ISSUED FOR PERMIT

# BROOK RUN PARK IMPROVEMENTS

## SITE DEVELOPMENT PLANS

PREPARED FOR:
CITY OF DUNWOODY

CITY OF DUNWOODY
PERMIT # 20190020

DeKALB COUNTY
AP# 3015715

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LA001872 1/4/19 LANDSCAPE ARCHITECT AARON J. ST. PIERRE

GEORGIA REGISTERED No. PE041517 PROFESSIONAL ENGINEER 01/04/19 PEYTON IRL LINGLE

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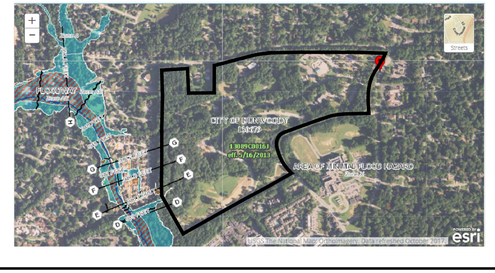
**SITE DATA TABLE**

| | |
|---|---|
| LOCATION | 4770 N. PEACHTREE ROAD |
| OWNER | DEKALB COUNTY |
| ACREAGE | **102.47** |
| PARCEL # | 18 354 01 005 |
| ZONING | R-85 |
| 25' STREAM BUFFER ON-SITE | YES |
| 75' STREAM BUFFER ON-SITE | YES |
| 25' DETENTION BUFFER ON-SITE | YES |
| AREA OF DISTURBANCE: | 19.2 AC. (836162.58 sf) |
| EXISTING IMPERVIOUS AREA WITHIN AREA OF DISTURBANCE: | 2.34 Acres |
| PROPOSED IMPERVIOUS AREA WITHIN AREA OF DISTURBANCE: | 4.354 Acres |
| NET IMPERVIOUS AREA AFTER IMPROVEMENTS: | + 2.014 Acres |
| DISTURBED AREA WITHIN STREAM BUFFER: | 18,200 SF |
| TOTAL PERVIOUS AREA AFTER DEVELOPMENT | 14.846 Acres |

**TREE DENSITY DATA TABLE**

| | |
|---|---|
| DENSITY UNITS REQUIRED (TDF) | 19.2 X 20 = **384 DENSITY UNITS** |
| REMAINING TREE FACTOR (RTF) | **(38 units per 10,000 sf impervious area)** based on 4 test areas at 2500 sf each **(3,178 RTF) for 19.2 acres** |
| REQUIRED REPLACEMENT DENSITY (RRD) | 0 |
| NET ZERO LOSS TREES REQUIRED | **162 TREES** |

THIS SITE IS NOT LOCATED WITHIN THE FLOODPLAIN AS DEFINED BY FIRM COMMUNITY PANEL NUMBER 13089C0016J FOR DEKALB COUNTY, GEORGIA AND INCORPORATED AREAS.




## OWNER/DEVELOPER

CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
(678) 382-6700

GSWCC LEVEL II
DESIGN PROFESSIONAL:
PEYTON IRL LINGLE, P.E.
CERTIFICATE # 77048

## DESIGNER

LOSE DESIGN
LANDSCAPE ARCHITECTURE/ARCHITECTURE/CIVIL ENGINEERING/PLANNING

220 W. CROGAN STREET, SUITE 100
LAWRENCEVILLE, GEORGIA 30046
PHONE: 770-338-0017
CONTACT: AARON ST. PIERRE

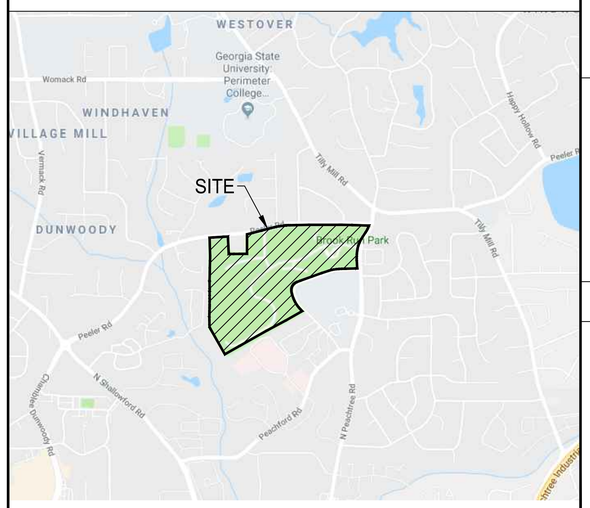
## CONSULTANTS

SURVEYOR:
McKIM & CREED
4563 NELSON BROGDON BLVD., SUITE E-2
LAWRENCEVILLE, GA. 30518
(770) 962-4125
CONTACT : ROBERT H. PATTEN

ELECTRICAL ENGINEER:
PARSONS ENGINEERS
4751 TROUSDALE DR. #202
NASHVILLE, TN 37220
(615) 386-9396
CONTACT : ANTHONY PARSONS

GEOTECHNICAL ENGINEER:
UNITED CONSULTING
625 HOLCOMB BRIDGE ROAD
NORCROSS, GA 30071
(770) 209-0029
CONTACT : MICHAEL KEMP

## LOCATION MAP




4770 N. PEACHTREE ROAD
DUNWOODY, GEORGIA 30338

## NOTES

1. THE FOLLOWING ARE GEORGIA STATE MINIMUM STANDARD CODES:
   - 2012 INTERNATIONAL BUILDING CODE WITH 2014, 2015, 2017, AND 2018 GEORGIA STATE AMENDMENTS
   - 2012 INTERNATIONAL MECHANICAL CODE WITH 2014 AND 2015 GEORGIA STATE AMENDMENTS
   - 2012 INTERNATIONAL PLUMBING CODE WITH 2014 AND 2015 GEORGIA STATE AMENDMENTS
   - 2012 INTERNATIONAL FUEL GAS CODE WITH 2014 AND 2015 GEORGIA STATE AMENDMENTS
   - 2012 INTERNATIONAL FIRE CODE WITH 2014 GEORGIA STATE AMENDMENTS
   - 2009 INTERNATIONAL ENERGY CONSERVATION CODE WITH 2011 AND 2012 GEORGIA STATE SUPPLEMENTS AND AMENDMENTS
   - 2017 NFPA 70 NATIONAL ELECTRICAL CODE
   - 2012 NFPA 101 LIFE SAFETY CODE
   - GEORGIA ACCESSIBILITY CODE CHAPTER 120-3-20(.01-.08) - 2010 ADA STANDARDS FOR ACCESSIBILITY DESIGN

2. CONSTRUCTION TYPE: N/A

3. OCCUPANCY CLASSIFICATION: N/A

4. ADA STANDARDS WERE USED IN THE DESIGN OF THIS PROJECT, HOWEVER, THIS PROJECT IS NOT FEDERALLY FUNDED.

GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

CONFORM SET 04-29-2019

SHEET TITLE

COVER

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE NTS |
| CHECKED BY ASP | |

SHEET NO.

C0.00

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# ABBREVIATIONS

ASPH – ASPHALT
@ – AT
BC – BOTTOM OF CURB
BFP – BACKFLOW PREVENTER
BS – BOTTOM OF STEP
BW – BOTTOM OF WALL
CL – CENTERLINE
CJ – CONTROL JOINT
CO – COMPANY
CONT – CONTINUOUS
CY – CUBIC YARD
DIA – DIAMETER
DR – DRIVE
EJ – EXPANSION JOINT
ELEC – ELECTRIC
ELEV – ELEVATION
FH – FIRE HYDRANT
EX – EXISTING
FT – FEET
FL – FLOW LINE
GALV – GALVANIZED
HP – HIGH POINT
HT – HEIGHT
HYD – HYDRANT
ID – INSIDE DIAMETER
JUNC – JUNCTION
LC – LIMITS OF CLEARANCE
LOC – LIMITS OF CONSTRUCTION
LF – LINEAR FEET
MAX – MAXIMUM
MIN – MINIMUM
MH – MANHOLE
MPH – MILES PER HOUR
NIC – NOT IN CONTRACT
NO – NUMBER
OC – ON CENTER
OD – OUTSIDE DIAMETER
PD – PERFORATED DRAIN
PL – PROPERTY LINE
POB – POINT OF BEGINNING
PP – POWER POLE
R – RADIUS
ROW – RIGHT OF WAY
SERV – SERVICE
SCH – SCHEDULE
SF – SQUARE FEET
S.F. – SILT FENCE
SQ – SQUARE
SY – SQUARE YARD
SIG – SIGNAL
SPECS – SPECIFICATIONS
STA – STATION
ST – STREET
T – TELEPHONE
TC – TOP OF CURB
TG – TOP OF GRATE
TF – TOP OF FIELD (NON–PAVED)
TP – TOP OF PAVEMENT
TS – TOP OF STEP
TW – TOP OF WALL
TYP – TYPICAL
VERT – VERTICAL
W – WATER
WS – WATER SERVICE
WV – WATER VALVE
WWF – WELDED WIRE FRAME

NOTE: THESE ABBREVIATIONS ARE GENERAL. INDIVIDUAL SHEETS MAY INCLUDE OTHERS.

# MISCELLANEOUS NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING ABUTMENT GEOMETRY AND ELEVATION. NOTIFY DESIGNER AND OWNER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO COORDINATE BRIDGE LIFT PLAN WITH DESIGNER AND OWNER.
3. CONTRACTOR WILL AVOID THE REMOVAL OF EXISTING TREES AND FOLLOW THE CITY OF DUNWOODY TREE ORDINANCE IF ANY TREES MUST BE REMOVED. TREE REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER OR DESIGNER.
4. CONTRACTOR TO VERIFY ROUTE TO BRIDGE STAGING AREA AND LIFT AREA WITH DESIGNER AND OWNER PRIOR TO CONSTRUCTION.
5. CONTRACTOR TO INSTALL 4" ELECTRICAL CONDUIT AND JUNCTION BOXES AS SHOWN ON DRAWINGS. CONTRACTOR TO VERIFY CONDUIT MOUNTING HARDWARE LOCATIONS WITH BRIDGE CONTRACTOR PRIOR TO INSTALLATION.

# LAYOUT NOTES

1. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING REQUIRED ON THE PROJECT AND TO VERIFY THAT NO CONFLICTS EXIST BETWEEN EXISTING FACILITIES AND PROPOSED FACILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES IN EACH SECTION OF THE PROJECT
2. CONTRACTOR SHALL NOTIFY LOSE DESIGN WITHIN 24 HRS OF ANY LAYOUT DISCREPANCIES PRIOR TO PROCEEDING WITH WORK. ALL ADDITIONAL COSTS, INCLUDING BUT NOT LIMITED TO REMEDIAL CONSTRUCTION, ADDITIONAL SITE VISITS OR ENGINEERING SERVICES AND FEES ETC., INCURRED DUE TO FAILURE TO FOLLOW THIS PROCEDURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL LAYOUT MEASUREMENTS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED
4. COORDINATE POINTS ARE SET USING THE CONTROL PROVIDED BY THE SURVEYOR.
5. ALL WORK SHALL BE COMPLETED TO THE LEVEL INDICATED BY THE SCOPE OF WORK LISTED IN THE BID DOCUMENTS.
6. CONTRACTOR SHALL PROVIDE ADEQUATE LAYOUT INFORMATION TO DEMONSTRATE, TO THE MAXIMUM EXTENT PRACTICAL, THAT NO CONFLICTS BETWEEN VARIOUS TRADES EXIST.
7. DO NOT SCALE DRAWINGS.

# DEVELOPMENT NOTES

1. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
2. NO OUTSIDE STORAGE PROPOSED. THIS INCLUDES SUPPLIES, EQUIPMENT, VEHICLES, PRODUCTS, ETC.
3. ALL CONSTRUCTION TO COMPLY WITH THE CITY OF DUNWOODY STANDARDS
4. NO BILLBOARDS ARE PERMITTED
5. ALL UTILITY LINES SHALL BE LOCATED UNDERGROUND.
6. NATURAL VEGETATION SHALL REMAIN ON THE PROPERTY UNTIL ISSUANCE OF A DEVELOPMENT PERMIT. NO INTERIM LAND DISTURBANCE PERMITS SHALL BE ISSUED.

# DEMOLITION NOTES

1. COORDINATE REMOVAL OF ALL SITE AMENITIES WITH THE CONSTRUCTION MANAGER.

2. ALL EQUIPMENT AND MATERIAL REMOVED FROM THE SITE MUST BE INSPECTED BY THE CONSTRUCTION MANAGER PRIOR TO DISPOSAL. THE CITY OF DUNWOODY RESERVES THE RIGHT TO RE–CLAIM ALL EQUIPMENT AND MATERIALS ASSOCIATED WITH DEMOLISHED ITEMS ON THE PROPERTY FOR THEIR STORAGE AND RE–USE.

3. CONTRACTOR TO COORDINATE WITH THE APPROPRIATE AGENCIES REGARDING THE DISPOSAL OF ALL SUBSURFACE MATERIALS – SEPTIC SYSTEMS, GAS, WATER, SEWER, ELECTRIC SERVICE LINES, ETC. REFER TO THE SITE SURVEY FOR LOCATION OF THESE ITEMS.

# GRADING NOTES

1. TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNERS REPRESENTATIVE. DRAINAGE SHALL ROUTE AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT LOSS OF TOPSOIL MATERIAL.
2. UNSUITABLE SOILS SHALL BE UNIFORMLY SPREAD ACROSS NON–STRUCTURAL FILL AREAS AND COVERED WITH TOPSOIL AND SEEDED.
3. FILL AREAS SHALL BE PROOF–ROLLED WITH RUBBER–TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF FIFTEEN TONS PRIOR TO BEGINNING FILL OPERATION. AREAS WHICH ARE SOFT OR UNSTABLE SHALL BE UNDERCUT UNTIL STABLE SOILS ARE FOUND. RECOMPACTION OF THESE SOILS, TO THE DENSITY SPECIFIED IN THE PROJECT SPECIFICATIONS, WILL BE ALLOWED UNDER THE DIRECTION OF A QUALIFIED SOILS ENGINEER.
4. CUT AREA SHALL BE PROOF–ROLLED AFTER FINAL SUB GRADE IS ACHIEVED IN THE SAME MANNER AS FILLED AREAS. SOFT OR UNSTABLE SOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12" AND RECOMPACTED TO THE DENSITY SPECIFIED IN THE PROJECT SPECIFICATIONS AT NO ADDITIONAL COST TO THE CITY
5. SEE SPECIFICATIONS FOR SOIL COMPACTION RATES.
6. ALL FILL AREAS SHALL BE RAISED IN LIFTS NOT EXCEEDING 6 INCHES.
7. ALL GRADING SHALL BE COMPLETED TO THE LEVEL INDICATED BY THE SCOPE OF WORK LISTED IN THE BID DOCUMENTS.
8. ALL AREAS WILL BE GRADED TO PROVIDE PROPER DRAINAGE AND PREVENT STANDING WATER.
9. GRADING SHOWN IS TO FINISH GRADE.
10. THE SUITABILITY OF SOILS SHALL BE DETERMINED BY A QUALIFIED SOILS ENGINEER EMPLOYED BY THE CITY OF DUNWOODY. ALL DECISIONS RENDERED BY THE SOILS ENGINEER, RELATED TO SOIL SUITABILITY, SHALL BE FINAL.

# CLEARING/GRUBBING

1. DO NOT EXCEED CLEARING AND GRUBBING LIMITS OF CONSTRUCTION LINES INDICATED ON THE PLANS.
2. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION LINE OR TREE SAVE FENCE SHALL NOT BE CROSSED BY EQUIPMENT OR USED FOR STORING EQUIPMENT OR TOXIC MATERIALS.
3. NO EQUIPMENT OR VEHICLES SHALL BE STORED UNDER THE DRIP LINE OF TREES TO REMAIN.
4. DO NOT FELL ANY TREES OR PUSH PILES OF DEBRIS AGAINST TREES TO REMAIN.
5. REMOVE ALL STUMPS, ROCKS, ASPHALT & CONCRETE DEBRIS, ETC. AND DISPOSE OFF SITE IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
6. CONTACT ALL UTILITY AUTHORITIES WHO HAVE LINES WITHIN THE CLEARING AND GRUBBING LIMITS BEFORE STARTING WORK.
7. ALL EROSION CONTROL SEDIMENT BARRIERS, SILT FENCES, AND TREE PROTECTION DEVICES SHALL BE INSTALLED PRIOR TO STARTING CLEARING AND GRUBBING OPERATIONS FOR EACH PHASE.
8. AFTER STAKING IS COMPLETED, TREES WITHIN GRADING LIMITS TO BE SAVED WILL BE IDENTIFIED BY THE OWNER'S REPRESENTATIVE. FIELD CHANGES TO GRADING PLANS SHALL BE MADE FOR SMOOTH TRANSITION OF GRADES AROUND ALL TREES WHICH REQUIRE TREE WELLS WITHIN THE GRADING LIMITS.

# CONSTRUCTION NOTES

1. AREAS FOR CONSTRUCTION THAT REQUIRE DE–WATERING FOR EXCAVATION WILL BE DONE AT NO ADDITIONAL COST TO THE CITY.

# EROSION CONTROL

1. EXPOSE AS SMALL AN AREA OF SOIL FOR AS SHORT A TIME AS POSSIBLE.
2. KEEP DUST WITHIN TOLERABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE MEANS.
3. USE TEMPORARY VEGETATION AND/OR MULCH TO PROTECT BARE AREAS FROM EROSION DURING CONSTRUCTION.
4. DISTURBED AREAS ARE TO BE GRADED TO DRAIN (AS INDICATED ON PLANS) TO SEDIMENT BARRIERS DURING AND UPON COMPLETION OF WORK.
5. INSTALL TOP OF BANK DRAINS & EROSION CONTROL MATTING AS SHOWN ON EROSION CONTROL SHEETS.
6. COMPLY WITH CITY & STATE EROSION CONTROL REQUIREMENTS & CONDITIONS SET FORTH ON EROSION CONTROL SHEETS AND PROJECT STORM WATER MANUAL.

# GENERAL NOTES

1. THE CONTRACTOR IS TO CHECK AND VERIFY ALL MEASUREMENTS, LEVELS, EXISTING AND PROPOSED ELEVATIONS, ETC. BEFORE ORDERING MATERIALS AND PROCEEDING WITH THE WORK, AND IS TO BE RESPONSIBLE FOR THE SAME. REMEDIAL WORK RESULTING FROM LACK OF VERIFICATION WILL BE AT CONTRACTOR'S SOLE EXPENSE.
2. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS AND HUBS DURING THE CONSTRUCTION OF HIS WORK, AND SHALL BEAR THE COST OF REPLACING SAME.
3. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES, TREES, ETC. WHICH ARE TO REMAIN AND NOT TO BE DISTURBED BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO SUCH PROPERTY.
4. ALL SURPLUS EXCAVATION SHALL BE DISPOSED OF OFF SITE COMPLYING WITH STATE AND LOCAL REGULATIONS, UNLESS NOTED ON THE PLANS, AT NO ADDITIONAL COST TO THE CITY.
5. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL PERMIT FEES. HE SHALL ALSO COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING LAWS, ORDINANCES OR REGULATIONS RELATING TO BUILDING SIDEWALKS, STREETS, WATER MAINS, SEWERS, BLASTING, PUBLIC STRUCTURES, ETC.
6. THE CONTRACTOR ACKNOWLEDGES & AGREES THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SITE IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER. THE CONTRACTOR WILL INDEMNIFY THE OWNER & ARCHITECT FROM LIABILITY AT THE SITE THROUGHOUT THE CONSTRUCTION PROCESS.
7. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK AND THE PUBLIC, INCLUDING BARRICADES, WARNING SIGNS AND LIGHTS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, WHETHER CAUSED BY HIMSELF, HIS SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.
9. THE CONTRACTOR SHALL PROVIDE SUCH BRACING, SHEETING AND SHORING, BLASTING PROTECTION, WARNING LIGHTS AND BARRICADES, ETC. AS MAY BE NECESSARY FOR THE PROTECTION OF LIFE AND PROPERTY FOR HIS OWN EMPLOYEES AND THE GENERAL PUBLIC. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY STATUTES AND RULES REQUIRING CERTAIN PROTECTIVE PERSONAL APPAREL SUCH AS HARD HATS, EAR PLUGS, EYE SHIELDS, PROTECTIVE SHOES, ETC. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY OR LIABILITY FOR ACTIONS TAKEN BY THE CONTRACTOR WHICH ENDANGER LIFE OR PROPERTY
10. ANY FOREIGN ITEM FOUND DURING CONSTRUCTION IS THE PROPERTY OF THE OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, PRECIOUS METALS, COINS, PAPER CURRENCY, ARTIFACTS AND ANTIQUITIES.
11. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.
12. LOSE DESIGN ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE BASE SURVEY INFORMATION AS PROVIDED. CONTRACTOR IS TO VERIFY ALL BASE INFORMATION AS NECESSARY AND TO ADVISE THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.
13. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE TOTAL QUANTITY OF ITEMS SHOWN IN BOTH THE PLANS AND SPECIFICATIONS. SHOULD QUANTITY DIFFERENCES OCCUR BETWEEN THE PLANS AND SPECIFICATIONS, OR AS A RESULT OF AGENCY REQUIREMENT, THE GREATER QUANTITY OF ITEMS SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST TO THE OWNER.
14. NOT ALL ITEMS APPEAR ON ALL PLANS OR SPECIFICATION SECTIONS. THE GENERAL CONTRACTOR SHOULD REVIEW THE ENTIRE SET OF PLANS AND SPECIFICATIONS AND IS RESPONSIBLE FOR ENSURING THAT ALL ITEMS IN THE PLANS AND SPECIFICATIONS ARE PROVIDED AS PART OF THE BID.
15. MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. DAILY, AND MORE OFTEN IF NECESSARY, INSPECT AND PICK UP ALL SCRAP, DEBRIS, & WASTE MATERIAL.
16. PROVIDE PROTECTION TO ALL FINISHED WORK. MAINTAIN SURFACES CLEAN, UNMARRED, AND SUITABLY PROTECTED UNTIL ACCEPTANCE BY OWNER. DURING CONSTRUCTION AND FOR PERMANENT ACCESS, ROADWAYS CONSTRUCTED OF AN ALL WEATHER SURFACE CAPABLE OF SUPPORTING 75,000 POUNDS GROSS WEIGHT SHALL BE PROVIDED PER INTERNATIONAL FIRE CODE 2000 EDITION SECTION 503.2.3 FIRE HYDRANTS AND WATER MAINS ARE TO BE INSTALLED, FLUSHED, AND UNDER PRESSURE BEFORE ANY COMBUSTIBLE CONSTRUCTION IS STARTED DURING CONSTRUCTION AND FOR PERMANENT ACCESS, ROADWAY WIDTH SHALL BE 20 FEET MINIMUM PER INTERNATIONAL FIRE CODE 2000 EDITION SECTION 503.2.1.
17. THE CONTRACTOR SHALL PERFORM ALL QUANTITY TAKEOFFS REQUIRED FOR BIDDING AND CONSTRUCTION OF THIS PROJECT. LOSE DESIGN, INC. ACCEPTS NO RESPONSIBILITY NOR LIABILITY FOR QUANTITY TAKEOFFS PERFORMED FOR THIS PROJECT.
18. THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT OF ANY CONFLICTS BETWEEN PLAN SHEETS, OR PLAN SHEETS AND DETAILS BEFORE PROCEEDING WITH CONSTRUCTION. IF THE CONTRACTOR PROCEEDS WITH CONSTRUCTION PRIOR TO NOTIFYING THE ARCHITECT, THE COST OF ALL REMEDIAL WORK INCLUDING REMOVAL OF COMPLETED WORK, ADDITIONAL DESIGN SERVICES, FEES, AND SITE VISITS INCURRED DUE TO THE FAILURE TO FOLLOW THIS PROCEDURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
19. ALL PLAN VIEW SHEETS ARE ORIENTED TO THE GEORGIA WEST STATE PLANE COORDINATE SYSTEM. ALL NORTH ARROWS ARE SET ON THE GEORGIA GRID, AND ARE NOT MAGNETIC NORTH ARROWS.

City of Dunwoody Georgia
Community Development

4800 Ashford Dunwoody Road
Dunwoody, GA 30338
Phone: (678) 382-6800
dunwoodyga.gov

March 28, 2019

City of Dunwoody Parks Department
c/o Brent Walker
4800 Ashford Dunwoody Road
Dunwoody, Ga. 30338

RE: MC 19-01 - Variance Application for 4770 N Peachtree Road

To Whom It May Concern:

This letter serves to inform you that at the Mayor and City Council Meeting on March 25, 2019, your application for a **variance** from Chapter 16, Sec. 16-78 to encroach the City's stream buffer for construction and grading, was **approved.**

Please attach this approval to all future permit requests. This does not serve as your construction permit approval. Contact the Community Development Department for information regarding permitting at 678-382-6800.

Should you have any questions, please contact me at (678) 382-6800.

Sincerely,

Richard McLeod
Community Development Director
City of Dunwoody, Georgia

Cc: MC File

C1

Know what's **below.**
**Call** before you dig.

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001672 4/19 AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| C1 | 03/28/2019 | COMMENTS BY CITY |

CONFORM SET 04-29-2019

SHEET TITLE
GENERAL NOTES

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE NTS |
| CHECKED BY ASP | |
| SHEET NO. C0.01 | |

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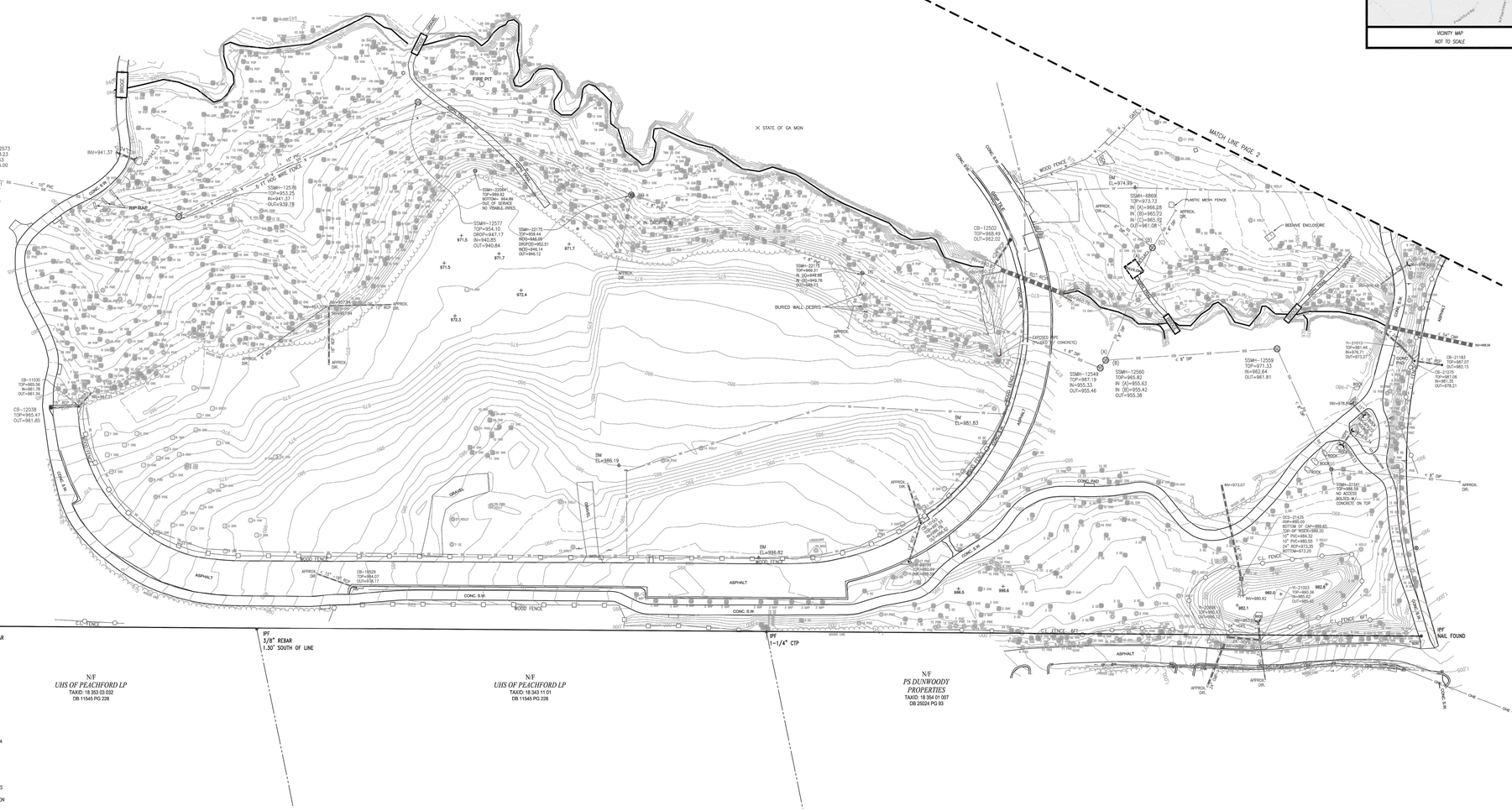
## LEGEND

| | | |
|---|---|---|
| | ELECTRIC HAND HOLE | |
| | TRANSFORMER | |
| | WATER VALVE | |
| | ELEC. MANHOLE | |
| | LIGHT POLE | |
| | SIGN | |
| | SANITARY MANHOLE | |
| | STORM MANHOLE | |
| | FIRE HYDRANT | FH |
| | MONUMENT FOUND | IPF |
| | DECIDUOUS TREE | DE |
| | EVERGREEN | EV |
| | BENCH MARK (SEE NOTE #7) | BM |
| SS | SANITARY SEWR LINE | |
| UGE | ELECTRIC UNDERGROUND | |
| | STORM PIPE | |
| | ADJOINER PROPERTY LINE | |
| | PROPERTY LINE | |
| X | WIRE FENCE | |
| | CHAIN LINK FENCE | |
| | WOOD FENCE | |
| W | WATER LINE | |
| | WOODS LINE | |

## TREE DESCRIPTIONS

| | |
|---|---|
| DE | MISCELLANEOUS DECIDUOUS TREE |
| SG | SWEET GUM |
| BP | BRADFORD PEAR |
| BE | BEACH |
| BI | BIRCH |
| MAP | MAPLE |
| CED | CEDAR |
| MAG | MAGNOLIA |
| POP | POPLAR |
| HICK | HICKORY |
| DW | DOG WOOD |
| WL | WALNUT |



VICINITY MAP
NOT TO SCALE

## GENERAL NOTES

1. THE FIELD DATA UPON WHICH THIS TOPOGRAPHIC SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 24,443 FEET AND AN ANGULAR ERROR OF 03 SECONDS PER ANGLE POINT, AND WAS ADJUSTED USING LEAST SQUARES. THE EQUIPMENT USED TO OBTAIN THE LINEAR AND ANGULAR MEASUREMENTS HEREIN WAS A LEICA TCOR TOTAL STATION.
2. A TRIMBLE R8 GNSS DUAL FREQUENCY RTK SYSTEM WAS USED IN THE COLLECTION OF TOPOGRAPHIC/ PLANIMETRIC DATA FOR THIS SURVEY. RELATIVE POSITIONAL TOLERANCE FOR TOPOGRAPHIC/PLANIMETRIC FEATURES IS 0.10'. RELATIVE POSITIONAL TOLERANCE WAS CALCULATED AT 95% CONFIDENCE LEVEL BASED ON 2-SIGMA STATISTICAL VALUE OF OBSERVATION RESIDUALS.
3. THE BASIS OF BEARING FOR THIS TOPOGRAPHIC SURVEY IS THE GEORGIA STATE PLANE COORDINATE SYSTEM, WEST ZONE (NAD 83).
4. SURVEYORS, WITHIN THE CONTEXT OF THE PROFESSION, ARE NOT EXPERTS IN THE MATTERS OF TITLE AND EASEMENT RESEARCH, UNDERGROUND UTILITY LOCATION, WETLAND IDENTIFICATION, HISTORICAL OR CULTURAL RESOURCE IDENTIFICATION, AND OTHER SPECIALIZED TRADES. EXCEPTION IS TAKEN TO ANY SUCH MATTER WHICH MAY OR MAY NOT AFFECT THIS PROPERTY.
5. THIS PROPERTY LIES WITHIN "ZONE X" (NOT SHADED) BEING DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS IDENTIFIED ON F.I.R.M. PANEL NO. 13089C0016J LAST REVISED MAY 16, 2013.
6. THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON OBSERVED SURFACE EVIDENCE OF UTILITY STRUCTURES ALONG WITH UTILITY RECORDS PROVIDED BY THE OWNER AS WELL AS THE GEORGIA 811 ONE-CALL SYSTEM. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL OF THE UNDERGROUND UTILITIES WHICH MAY EXIST ON THIS PROPERTY. THE SURVEYOR FURTHER DISCLAIMS ANY KNOWLEDGE OF THE LOCATIONS SHOWN. IT IS REQUIRED BY LAW THAT THE GEORGIA 811 ONE-CALL SYSTEM BE CONTACTED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES.
7. ALL BENCHMARKS ARE ON FIRE HYDRANTS AT A MARKED BOLT ON A FLANGE, OR THE BOLT BETWEEN CITY AND STATE, UNLESS NOTED OTHERWISE.
8. SURVEYOR WITHIN THE CONTEXT OF THE PROFESSION ARE NOT EXPERTS IN THE MATTERS OF TREE IDENTIFICATION. EXCEPTION IS TAKEN TO ANY SUCH MATTER WHICH MAY OR MAY NOT AFFECT THIS PROPERTY

GEORGIA811 Utilities Protection Center, Inc.
Know what's below. Call before you dig.

GRAPHIC SCALE 50' 0 50' 100' SCALE 1" = 50'

NOTE:
SURVEY PROVIDED BY OTHERS.
LOSE DESIGN ACCEPTS NO RESPONSIBILITY FOR ACCURACY OF SURVEY.

SHEET 1 OF 2

TOPOGRAPHIC SURVEY FOR
BROOK RUN PARK CITY OF DUNWOODY

GEORGIA REGISTERED NO. 3337 PROFESSIONAL SURVEYOR ROBERT H PATTEN

| REVISIONS | | |
|---|---|---|
| 1. MAR. 20, 2018 – ADDITIONAL TOPOGRAPHIC AREAS | | |
| | | DRAWN: RHP |
| | | CHECKED: RHP |
| | DATE: JAN 11, 2018 | JOB NO.: 07S00001 |
| | FIELD SURVEY DATE: JAN 10, 2018 | FILE NO.:07S00001NAW-Rev1 |

McKIM&CREED
LSF #000689
4563 NELSON BROGDON BLVD., SUITE E-2, LAWRENCEVILLE, GA. 30518, (770) 962-4125 , WWW.MCKIMCREED.COM

LOSE DESIGN SPACES FOR LIFE.

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BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | CONFORM SET 04-29-2019 |

SHEET TITLE
EXISTING CONDITIONS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY N/A | SCALE AS SHOWN |
| CHECKED BY N/A | |
| SHEET NO. C0.02 | |

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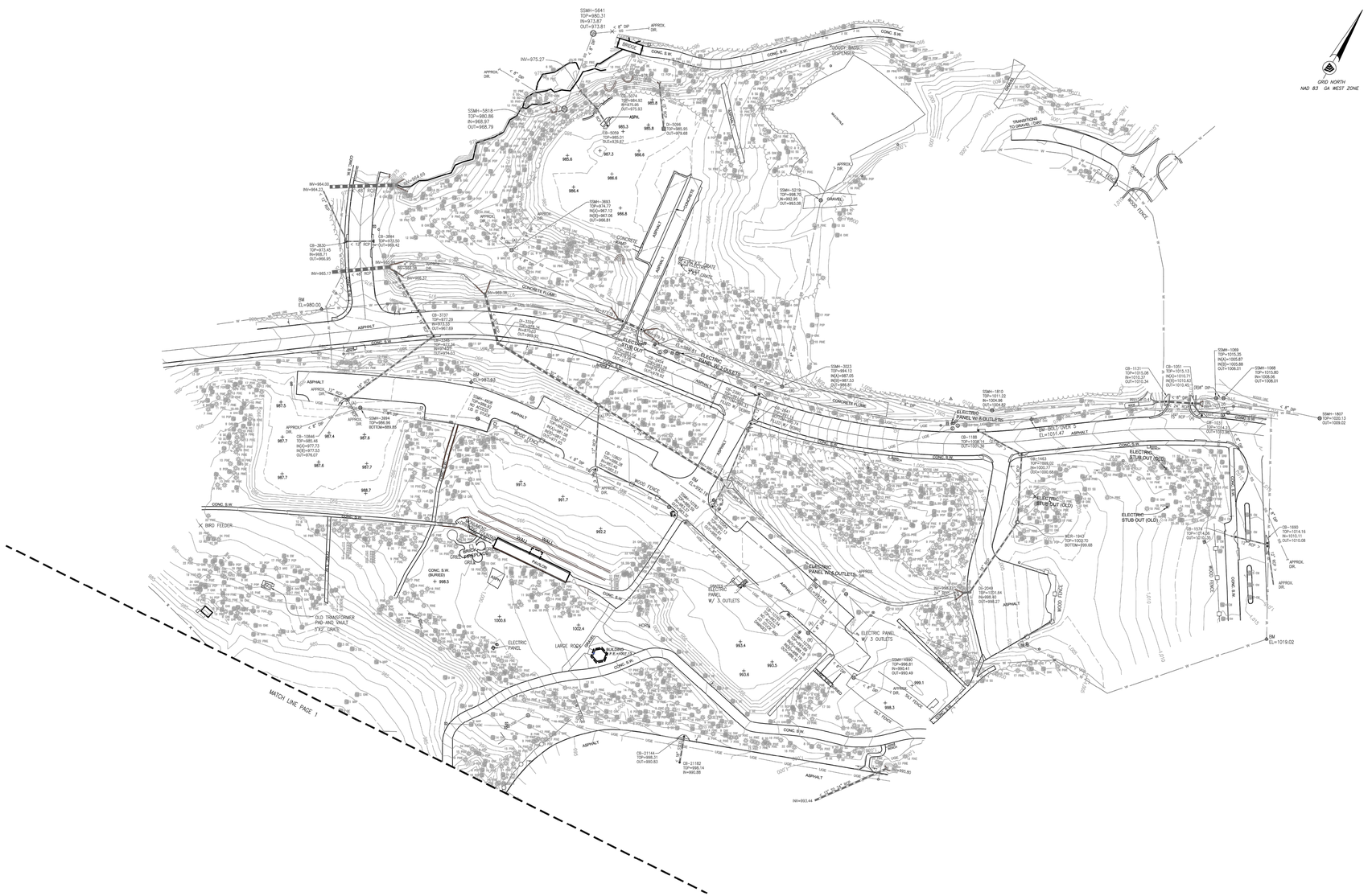

VICINITY MAP
NOT TO SCALE

GEORGIA811
Utilities Protection Center, Inc.
Know what's below.
Call before you dig.

50' 0 50' 100'
GRAPHIC SCALE SCALE 1" = 50'

SHEET 2 OF 2

TOPOGRAPHIC SURVEY FOR
BROOK RUN PARK CITY OF DUNWOODY

GEORGIA REGISTERED NO. 3337 PROFESSIONAL LAND SURVEYOR ROBERT H. PATTEN

| REVISIONS | | |
|---|---|---|
| 1. MAR. 25, 2018 – ADDITIONAL TOPOGRAPHIC AREAS | | |
| | | DRAWN: BHP |
| | | CHECKED: BHP |
| | DATE: JAN 11, 2018 | JOB NO.: 07350001 |
| | FIELD SURVEY DATE: JAN 15, 2018 | FILE NO.:07350001MAR-Rev1 |

McKIM&CREED
LSF #000689
4563 NELSON BROGDON BLVD., SUITE E-2, LAWRENCEVILLE, GA. 30518, (770) 962-4125 , WWW.MCKIMCREED.COM

NOTE:
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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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CONFORM SET 04-29-2019

SHEET TITLE

EXISTING CONDITIONS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY N/A | SCALE AS SHOWN |
| CHECKED BY N/A | |

SHEET NO.

C0.03

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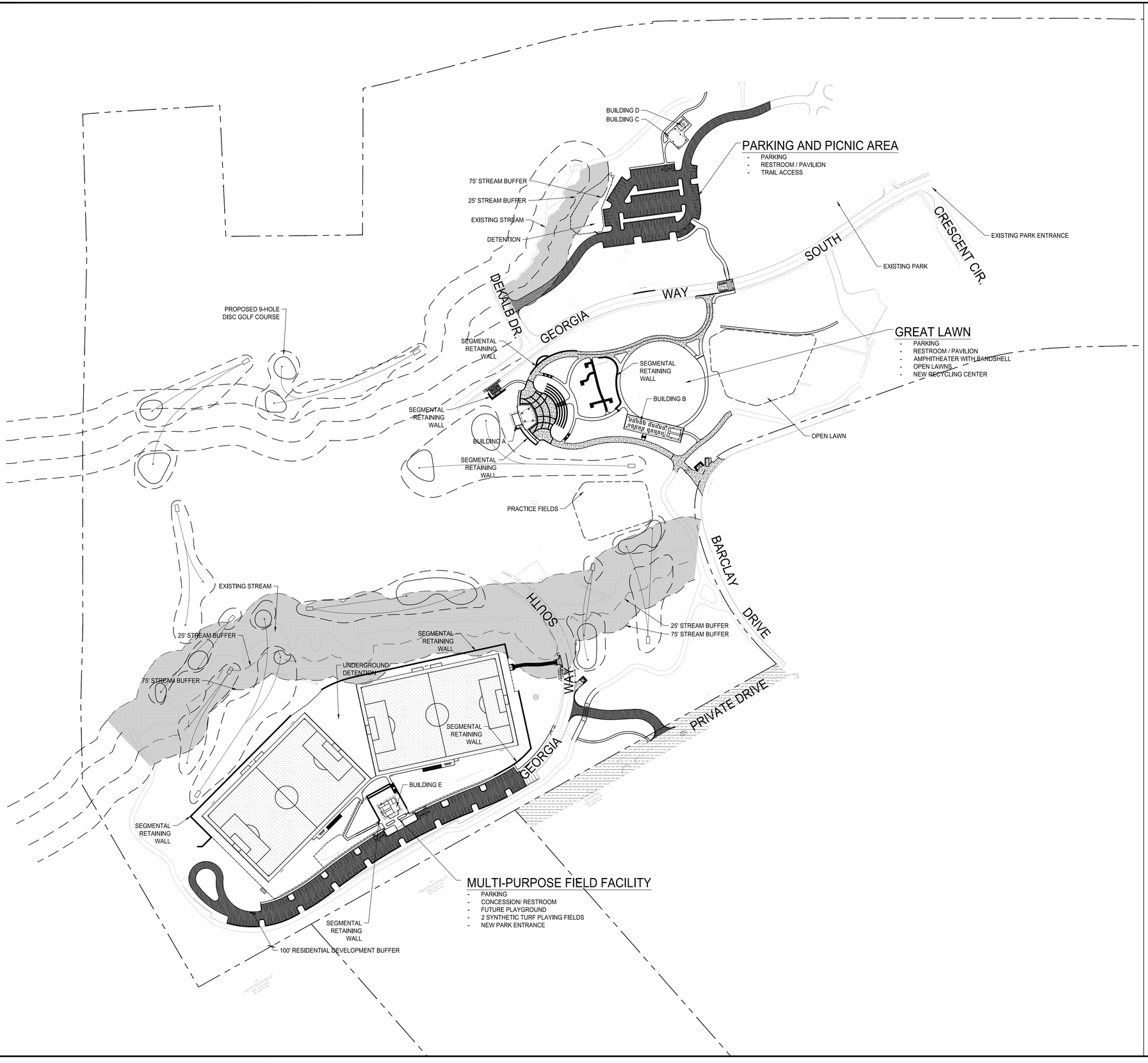


PARKING TABLE

| | |
|---|---|
| TOTAL PARKING PROVIDED : | 277 |
| STANDARD PARKING SPACES PROVIDED: | 183 |
| HANDICAP SPACES PROVIDED: | 13 |
| COMPACT PARKING SPACES PROVIDED: | 81 |

BUILDING TABLE

BUILDING A - GREAT LAWN BAND SHELL
Storage Bldg Highest Height: 13'-10"
Performance Pavilion Highest Height: 25'-6"
Enclosed sq. ft.: 524
Under roof sq.ft. (Storage): 1,137
Under roof sq.ft. (Performance Pavilion): 1,036

BUILDING B - GREAT LAWN - PAVILION / RESTROOM
Height: 15'-8"
Enclosed sq. ft.: 731
Under roof sq.ft.: 4,509

BUILDING C - PICNIC PAVILION
Height: 13'-3"
Under roof sq.ft.: 1319

BUILDING D - PICNIC RESTROOM BUILDING - PRE-MANUFACTURED CXT BUILDING
Height: 12'-0"
Enclosed sq. ft.: 405
Under roof sq.ft.: 570

BUILDING E - MULTI-PURPOSE RESTROOM / CONCESSION
Height:19'-8"
Enclosed sq. ft.: 1,519
Under roof sq.ft.: 2,277

0 120 240 360
SCALE: 1" = 120 '

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GEORGIA REGISTERED LA001872 1/4/19 LANDSCAPE ARCHITECT AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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SHEET TITLE

MASTER PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=120' |
| CHECKED BY ASP | |

SHEET NO.

C0.04

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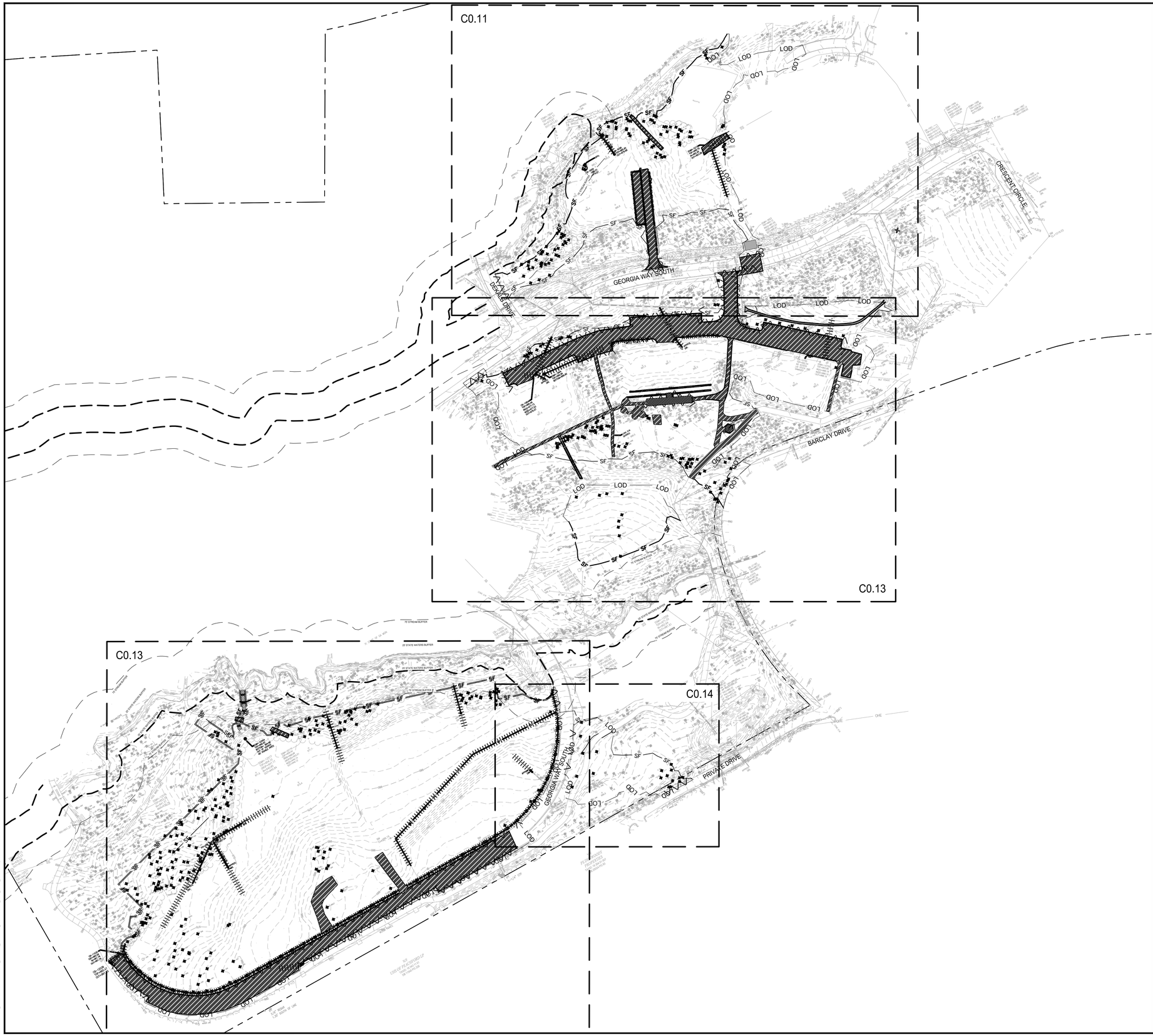


## DEMOLITION NOTES:

1. SEE SHEET C0.01 FOR ADDITIONAL DEMOLITION NOTES.
2. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY.
3. CONTRACTOR TO COORDINATE WITH OWNER FOR STORAGE LOCATIONS FOR CONSTRUCTION MATERIALS TO BE SALVAGED.
4. PRIOR TO BEGINNING DEMOLITION, ENSURE EROSION AND INLET PROTECTION ARE IN PLACE.
5. DISPOSE OF DEMOLISHED MATERIALS LEGALLY OFF SITE.
6. ANY DAMAGES TO EXISTING ITEMS TO REMAIN SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
7. SITE BOUNDARY SHALL BE FENCED WITH STANDARD STAKED ORANGE CONSTRUCTION FENCING.
8. ALL LIGHTING AND LIGHTING EQUIPMENT SHALL BE PROTECTED IN PLACE WITH TREE PROTECTION FENCING PRIOR TO DEMOLITION.
9. A SUBSURFACE EXPLORATION HAS NOT BEEN CONDUCTED FOR THIS PROJECT, AND A GEOTECHNICAL EXPLORATION REPORT IS NOT AVAILABLE.
10. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND MAY VARY FROM WHAT IS DEPICTED. CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES PRIOR TO DIGGING.

## LEGEND:

- TURF SURFACE REMOVAL
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- MULCH REMOVAL
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- TREE REMOVAL
- FENCE TO BE REMOVED
- CURB TO BE REMOVED
- TREE PROTECTION FENCE
- UNDERGROUND UTILITY TO BE REMOVED
- 952 — EXISTING CONTOUR LINE
- LOD — LIMITS OF DISTURBANCE
- SF — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE

0 100' 200' 300'

SCALE: 1" = 100 '

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STATE OF GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

CONFORM SET 04-29-2019

SHEET TITLE

DEMOLITION PLAN SHEET KEY

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE 1"=100' |
| CHECKED BY PIL | |

SHEET NO.

C0.10

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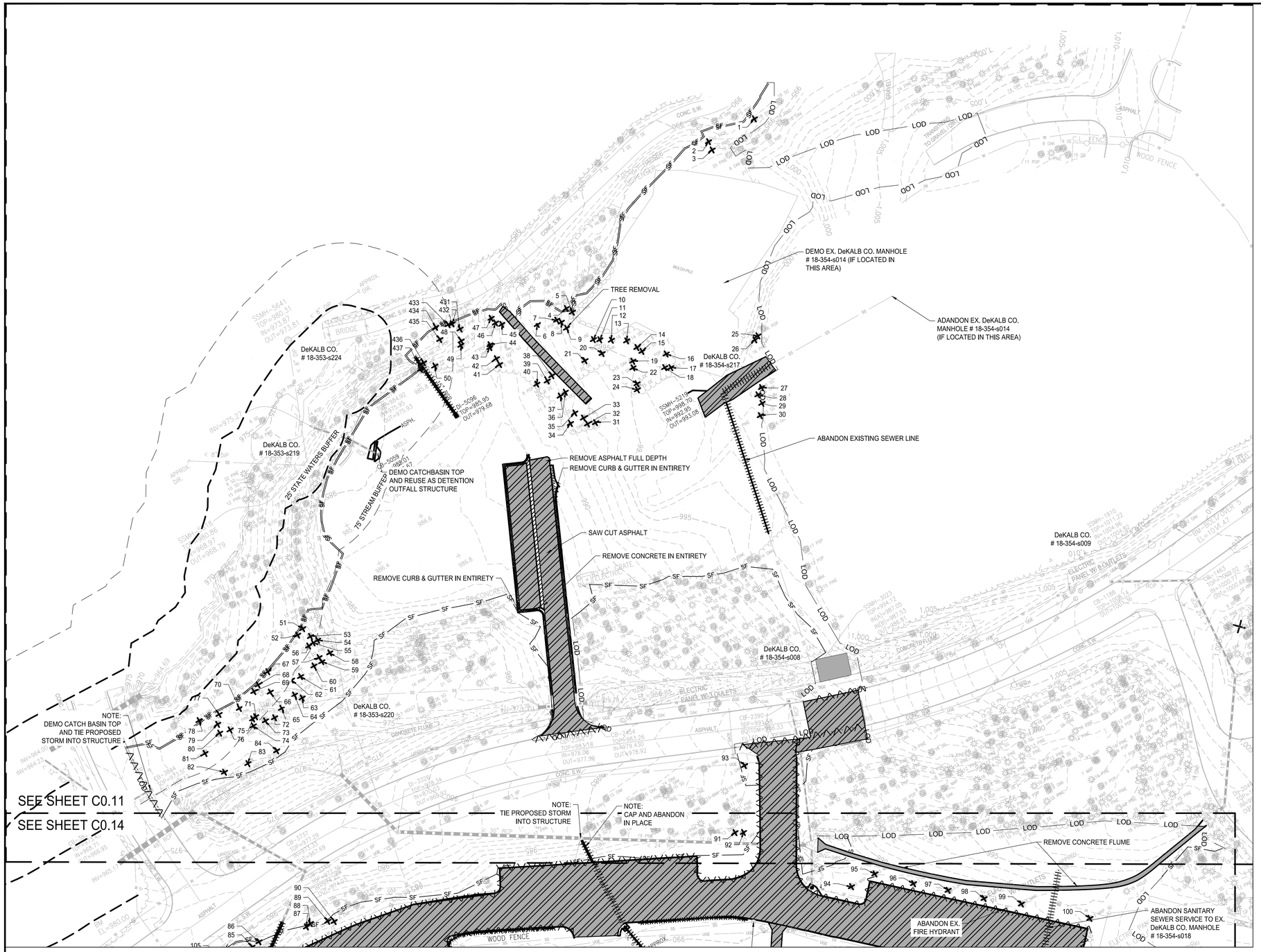


## DEMOLITION NOTES:

1. SEE SHEET C0.01 FOR ADDITIONAL DEMOLITION NOTES.
2. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY.
3. CONTRACTOR TO COORDINATE WITH OWNER FOR STORAGE LOCATIONS FOR CONSTRUCTION MATERIALS TO BE SALVAGED.
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## LEGEND:

- TURF SURFACE REMOVAL
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
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- MULCH REMOVAL
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- TREE REMOVAL
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- TREE PROTECTION FENCE
- UNDERGROUND UTILITY TO BE REMOVED
- EXISTING CONTOUR LINE
- LOD — LIMITS OF DISTURBANCE
- SF — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE

## DeKALB COUNTY SANITARY SEWER NOTE:

SANITARY SEWER MANHOLES ARE IDENTIFIED PER DeKALB COUNTY. THE SURVEYOR, McKIM & CREED, IDENTIFIED THE MANHOLES WITH A DIFFERENT NUMBERING SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BETWEEN THE TWO METHODS OF IDENTIFICATION. THE CONTRACTOR WILL PROVIDE AS-BULIT INFORMATION TO DeKALB COUNTY FOR THEIR RECORDS.

## CONTRACTOR SANITARY SEWER NOTE:

IN SOME PLACES, THE SURVEYOR, McKIM & CREED, SHOWED CONNECTIONS BETWEEN SANITARY SEWER MANHOLES DIFFERENTLY THAN DeKALB COUNTY RECORDS. THE CONTRACTOR MUST NOTIFY DeKALB COUNTY AND LOSE DESIGN WHERE EXISTING SANITARY SEWER DIFFERS FROM DeKALB COUNTY SANITARY SEWER RECORDS. SELECTED SANITARY SEWER SERVICE MAY BE ABANDONED UPON APPROVAL BY THE DeKALB COUNTY WATERSHED DEPARTMENT.

0 40' 80' 120'

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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STATE OF GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| D1 | 02-04-2019 | COMMENTS PER DEKALB COUNTY |

CONFORM SET 04-29-2019

SHEET TITLE

DEMOLITION PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE 1"=40' |
| CHECKED BY PIL | |
| SHEET NO. C0.11 | |

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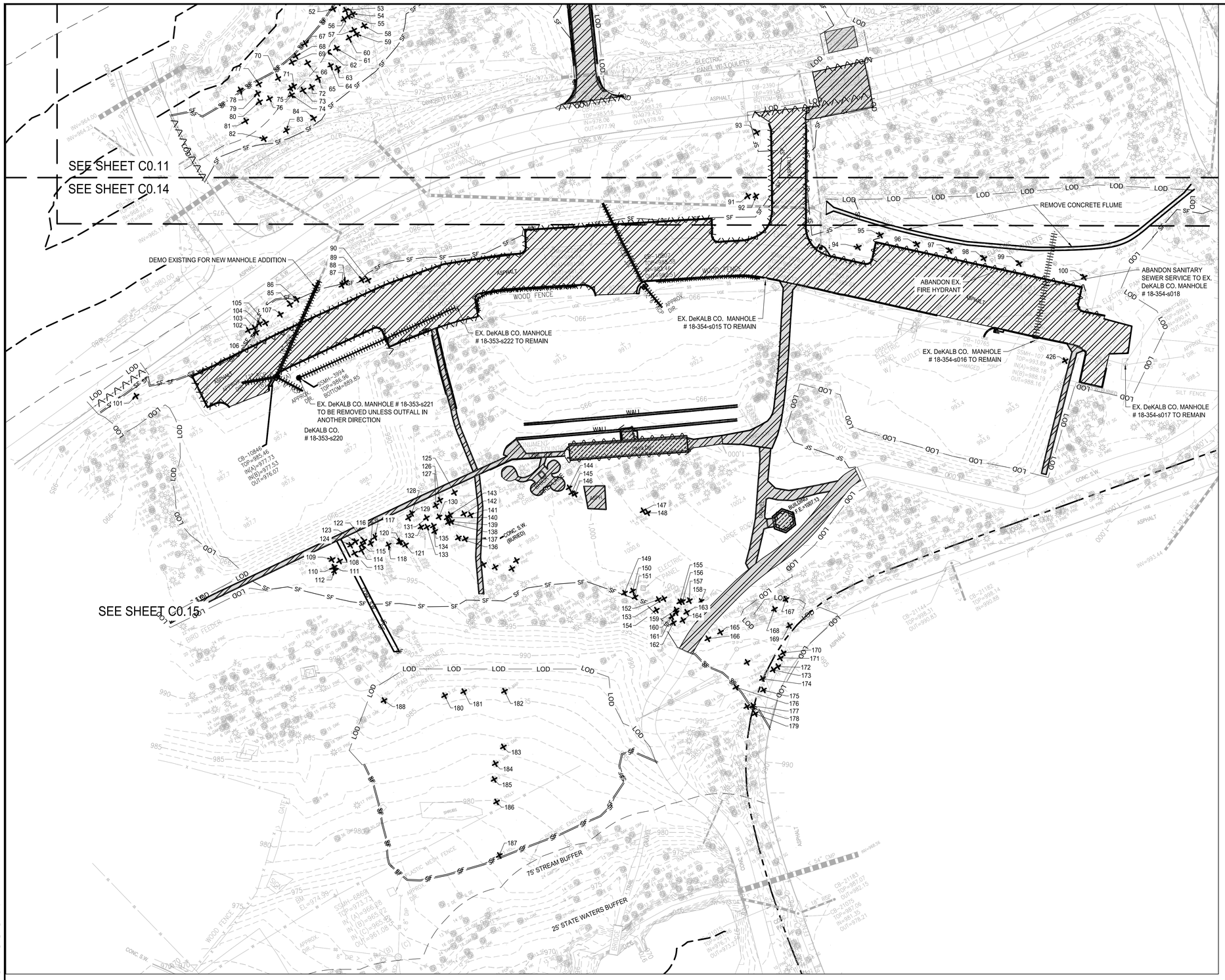


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STATE OF GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| . | . | . |
| . | . | . |
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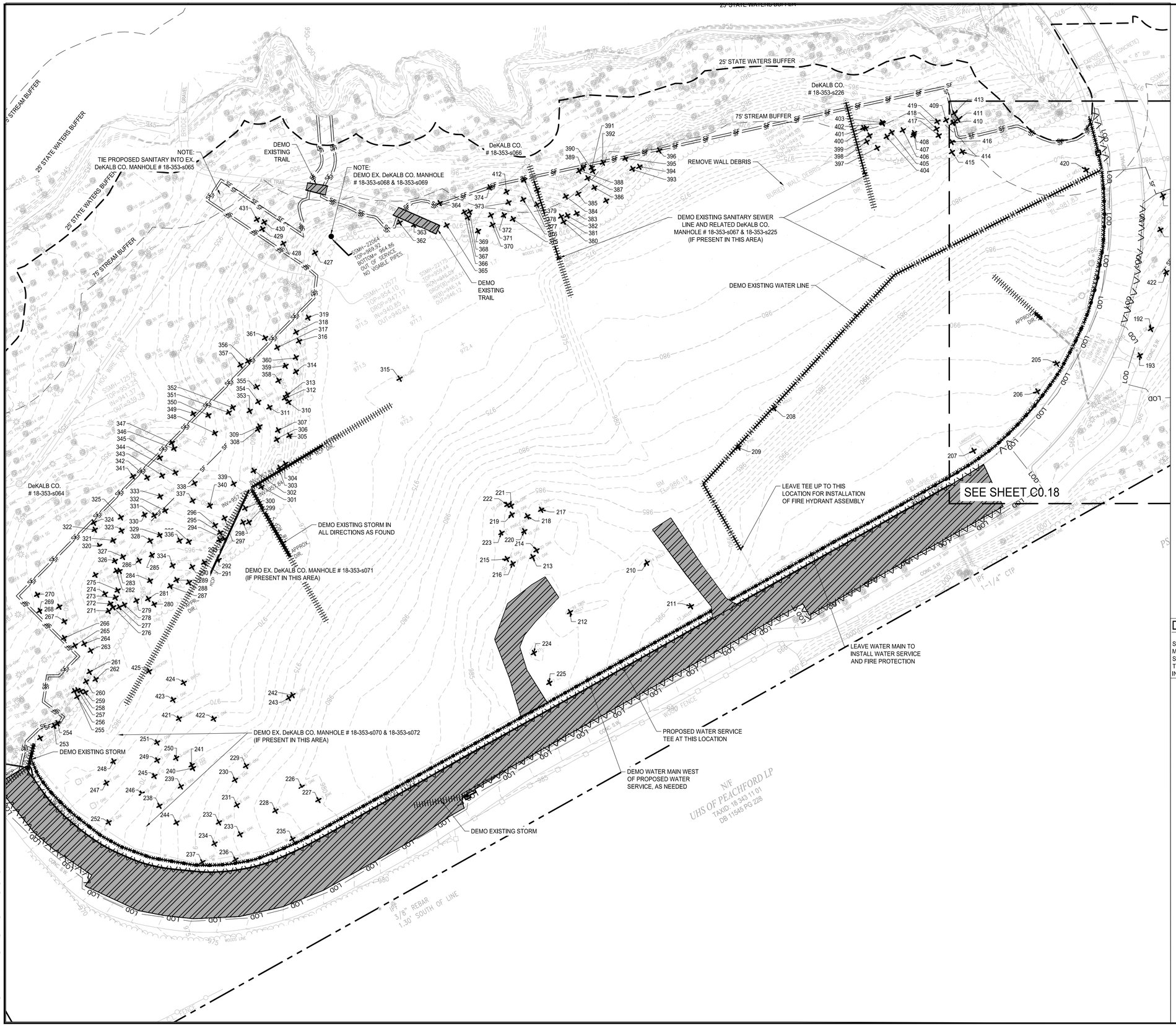
| . | . | . |
| CONFORM SET 04-29-2019 | | |

SHEET TITLE

DEMOLITION PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE 1"=40' |
| CHECKED BY PIL | |
| SHEET NO. C0.12 | |

O:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CADD_SHEETS\17302_C010_DEMO_SERIES.dwg - Printed on 2019-04-29 at 4:03:21 PM.




## DEMOLITION NOTES:

1. SEE SHEET C0.01 FOR ADDITIONAL DEMOLITION NOTES.
2. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY.
3. CONTRACTOR TO COORDINATE WITH OWNER FOR STORAGE LOCATIONS FOR CONSTRUCTION MATERIALS TO BE SALVAGED.
4. PRIOR TO BEGINNING DEMOLITION, ENSURE EROSION AND INLET PROTECTION ARE IN PLACE.
5. DISPOSE OF DEMOLISHED MATERIALS LEGALLY OFF SITE.
6. ANY DAMAGES TO EXISTING ITEMS TO REMAIN SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
7. SITE BOUNDARY SHALL BE FENCED WITH STANDARD STAKED ORANGE CONSTRUCTION FENCING.
8. ALL LIGHTING AND LIGHTING EQUIPMENT SHALL BE PROTECTED IN PLACE WITH TREE PROTECTION FENCING PRIOR TO DEMOLITION.
9. A SUBSURFACE EXPLORATION HAS NOT BEEN CONDUCTED FOR THIS PROJECT, AND A GEOTECHNICAL EXPLORATION REPORT IS NOT AVAILABLE.
10. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND MAY VARY FROM WHAT IS DEPICTED. CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES PRIOR TO DIGGING.

## LEGEND:

- TURF SURFACE REMOVAL
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- MULCH REMOVAL
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- TREE REMOVAL
- FENCE TO BE REMOVED
- CURB TO BE REMOVED
- TREE PROTECTION FENCE
- UNDERGROUND UTILITY TO BE REMOVED
- EXISTING CONTOUR LINE
- LOD — LIMITS OF DISTURBANCE
- SF — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE

## DeKALB COUNTY SANITARY SEWER NOTE:

SANITARY SEWER MANHOLE ARE IDENTIFIED PER DeKALB COUNTY, THE SURVEYOR, McKIM & CREED, IDENTIFIED THE MANHOLES WITH A DIFFERENT NUMBERING SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BETWEEN THE TWO METHODS OF IDENTIFICATION. THE CONTRACTOR WILL PROVIDE AS-BULIT INFORMATION TO DeKALB COUNTY FOR THEIR RECORDS.

0 40' 80' 120'

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
| CONFORM SET 04-29-2019 | |

SHEET TITLE

DEMOLITION PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE 1"=40' |
| CHECKED BY PIL | |
| SHEET NO. C0.13 | |

1 DRIVEWAY
SCALE: 1" = 20'

## DEMOLITION NOTES:

1. SEE SHEET C0.01 FOR ADDITIONAL DEMOLITION NOTES.
2. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY.
3. CONTRACTOR TO COORDINATE WITH OWNER FOR STORAGE LOCATIONS FOR CONSTRUCTION MATERIALS TO BE SALVAGED.
4. PRIOR TO BEGINNING DEMOLITION, ENSURE EROSION AND INLET PROTECTION ARE IN PLACE.
5. DISPOSE OF DEMOLISHED MATERIALS LEGALLY OFF SITE.
6. ANY DAMAGES TO EXISTING ITEMS TO REMAIN SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
7. SITE BOUNDARY SHALL BE FENCED WITH STANDARD STAKED ORANGE CONSTRUCTION FENCING.
8. ALL LIGHTING AND LIGHTING EQUIPMENT SHALL BE PROTECTED IN PLACE WITH TREE PROTECTION FENCING PRIOR TO DEMOLITION.
9. A SUBSURFACE EXPLORATION HAS NOT BEEN CONDUCTED FOR THIS PROJECT, AND A GEOTECHNICAL EXPLORATION REPORT IS NOT AVAILABLE.
10. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND MAY VARY FROM WHAT IS DEPICTED. CONTRACTOR IS RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES PRIOR TO DIGGING.

## LEGEND:

- TURF SURFACE REMOVAL
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- MULCH REMOVAL
- PAVEMENT REMOVAL (SEE PLAN FOR PAVEMENT TYPE)
- TREE REMOVAL
- FENCE TO BE REMOVED
- CURB TO BE REMOVED
- TREE PROTECTION FENCE
- UNDERGROUND UTILITY TO BE REMOVED
- 952 — EXISTING CONTOUR LINE
- LOD — LIMITS OF DISTURBANCE
- SF — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE

0 20' 40' 60'
SCALE: 1" = 20'

LOSE DESIGN
SPACES FOR LIFE.

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STATE OF GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| - | - | - |
| - | - | - |
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| - | - | - |
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| - | - | - |

CONFORM SET 04-29-2019

SHEET TITLE

DEMOLITION PLAN

| PROJECT NO. 17302 | DATE 01-04-2019 |
|---|---|
| DRAWN BY KA | SCALE 1"=20' |
| CHECKED BY PIL | |

SHEET NO.

C0.14

| Tree # | Species | Softwood / Hardwood or Understory | DBH | REASON FOR REMOVAL |
|---|---|---|---|---|
| 1 | Poplar | Softwood | 18" | **New Trail** |
| 2 | Hickory | Hardwood | 12" | **New Trail** |
| 3 | Pine | Softwood | 15" | **New Trail** |
| 4 | Pine | Softwood | 8" | **New Trail** |
| 5 | Pine | Softwood | 17" | **New Trail** |
| 6 | Sweetgum | Hardwood | 12" | **New Parking Lot** |
| 7 | Poplar | Softwood | 7" | **New Parking Lot** |
| 8 | Pine | Softwood | 11" | **New Parking Lot** |
| 9 | Pine | Softwood | 15" | **New Parking Lot** |
| 10 | Pine | Softwood | 18" | **New Parking Lot** |
| 11 | Hickory | Hardwood | 6" | **New Parking Lot** |
| 12 | Pine | Softwood | 16" | **New Parking Lot** |
| 13 | Sweetgum | Hardwood | 14" | **New Parking Lot** |
| 14 | Oak | Hardwood | 12" & 9" | **New Parking Lot** |
| 15 | Sweetgum | Hardwood | 10" | **New Parking Lot** |
| 16 | Poplar | Softwood | 12" | **New Parking Lot** |
| 17 | Pine | Softwood | 17" | **New Parking Lot** |
| 18 | Pine | Softwood | 15" | **New Parking Lot** |
| 19 | Oak | Hardwood | 15" | **New Parking Lot** |
| 20 | Hickory | Hardwood | 9" | **New Parking Lot** |
| 21 | DE | | 20" | **New Parking Lot** |
| 22 | DE | | 7" | **New Parking Lot** |
| 23 | DE | | 8" | **New Parking Lot** |
| 24 | DE | | 15" | **New Parking Lot** |
| 25 | Pine | Softwood | 12" | **New Parking Lot** |
| 26 | Oak | Hardwood | 11" | **New Parking Lot** |
| 27 | Sweetgum | Hardwood | 6" | **New Parking Lot** |
| 28 | Oak | Hardwood | 16" | **New Parking Lot** |
| 29 | Pine | Softwood | 12" | **New Parking Lot** |
| 30 | Sweetgum | Hardwood | 12" | **New Parking Lot** |
| 31 | DE | | 7" | **New Parking Lot** |
| 32 | Oak | Hardwood | 16" | **New Parking Lot** |
| 33 | DE | | 7" | **New Parking Lot** |
| 34 | Pine | Softwood | 14" | **New Parking Lot** |
| 35 | CED | | 6" | **New Parking Lot** |
| 36 | DE | | 6" | **New Parking Lot** |
| 37 | Pine | Softwood | 11" | **New Parking Lot** |
| 38 | Sweetgum | Hardwood | 6" | **New Parking Lot** |
| 39 | DE | | 9" | **New Parking Lot** |
| 40 | Poplar | Softwood | 8" | **New Parking Lot** |
| 41 | Sweetgum | Hardwood | 8" | **New Parking Lot** |
| 42 | Sweetgum | Hardwood | 11" | **New Parking Lot** |
| 43 | Pine | Softwood | 9" | **Grading** |
| 44 | Poplar | Softwood | 17" | **Grading** |
| 45 | Sweetgum | Hardwood | 10" | **Grading** |
| 46 | Pine | Softwood | 8" | **Grading** |
| 47 | Sweetgum | Hardwood | 7" | **Grading** |
| 48 | Pine | Softwood | 18" | **Grading** |
| 49 | Poplar | Softwood | 19" | **Grading** |
| 50 | Sweetgum | Hardwood | 12" | **Grading** |
| 51 | DE | | 15" | **Grading** |
| 52 | DE | | 10" | **Grading** |
| 53 | Sweetgum | Hardwood | 12" | **Grading** |
| 54 | Oak | Hardwood | 15" | **New Parking Lot** |
| 55 | Pine | Softwood | 17" | **Grading** |
| 56 | Sweetgum | Hardwood | 13" | **Grading** |
| 57 | Pine | Softwood | 20" | **New Parking Lot** |
| 58 | Pine | Softwood | 18" | **New Parking Lot** |
| 59 | Pine | Softwood | 18" | **New Parking Lot** |
| 60 | DE | | 10" | **New Parking Lot** |
| 61 | Pine | Softwood | 14" | **New Parking Lot** |
| 62 | Pine | Softwood | 11" | **New Parking Lot** |
| 63 | Oak | Hardwood | 12" | **New Parking Lot** |
| 64 | Poplar | Softwood | 24" | **New Parking Lot** |
| 65 | Pine | Softwood | 16" | **New Parking Lot** |
| 66 | Pine | Softwood | 10" | **New Parking Lot** |
| 67 | Pine | Softwood | 20" | **Grading** |
| 68 | Pine | Softwood | 12" | **Grading** |
| 69 | Pine | Softwood | 9" | **Grading** |
| 70 | Pine | Softwood | 24" | **Grading** |
| 71 | Pine | Softwood | 10" | **New Parking Lot** |
| 72 | DE | | 12" | **New Parking Lot** |
| 73 | Oak | Hardwood | 15" | **New Parking Lot** |
| 74 | Pine | Softwood | 13" | **New Parking Lot** |
| 75 | Pine | Softwood | 16" | **New Parking Lot** |
| 76 | Pine | Softwood | 13" | **New Parking Lot** |
| 77 | Pine | Softwood | 14" | **Grading** |
| 78 | Hickory | Hardwood | 12" | **Grading** |
| 79 | Oak | Hardwood | 8" | **Grading** |
| 80 | Oak | Hardwood | 8" | **New Parking Lot** |
| 81 | Sweetgum | Hardwood | 12" | **Grading** |
| 82 | Holly | Hardwood | 17" | **Grading** |
| 83 | Holly | Hardwood | 5" | **Grading** |
| 84 | Holly | Hardwood | 4" | **Grading** |
| 85 | Pine | Softwood | 12" | **New Trail** |
| 86 | Pine | Softwood | 26" | **New Trail** |
| 87 | Pine | Softwood | 22" | **New Trail** |
| 88 | Holly | Hardwood | 4" | **New Trail** |
| 89 | Sweetgum | Hardwood | 28" | **New Trail** |
| 90 | Oak | Hardwood | 6" | **New Trail** |
| 91 | Oak | Hardwood | 13" | **New Trail** |
| 92 | Oak | Hardwood | 15" | **New Trail** |
| 93 | Oak | Hardwood | 2" | **New Trail** |
| 94 | Maple | Hardwood | 3" | **Grading** |
| 95 | Maple | Hardwood | 3" | **Grading** |
| 96 | Maple | Hardwood | 3" | **Grading** |
| 97 | Maple | Hardwood | 3" | **Grading** |
| 98 | Maple | Hardwood | 3" | **Grading** |
| 99 | Maple | Hardwood | 3" | **Grading** |
| 100 | Maple | Hardwood | 3" | **Grading** |
| 101 | BP | | 11" | **New Trail** |
| 102 | CM | | 5" | **New Trail** |
| 103 | CM | | 5" | **New Trail** |
| 104 | CM | | 5" | **New Trail** |
| 105 | Holly | Hardwood | 5" | **New Trail** |
| 106 | Holly | Hardwood | 7" | **New Trail** |
| 107 | Pine | Softwood | 24" | **New Trail** |
| 108 | Pine | Softwood | 16" | **New Trail** |
| 109 | Pine | Softwood | 16" | **New Trail** |
| 110 | DE | | 6" | **New Trail** |
| 111 | Oak | Hardwood | 7" | **New Trail** |
| 112 | Pine | Softwood | 16" | **Grading** |
| 113 | Pine | Softwood | 10" | **Grading** |
| 114 | Pine | Softwood | 14" | **Grading** |
| 115 | Pine | Softwood | 8" | **Grading** |
| 116 | Pine | Softwood | 11" | **Grading** |
| 117 | Pine | Softwood | 6" | **Grading** |
| 118 | Pine | Softwood | 19" | **Grading** |
| 119 | Sweetgum | | 10" | **Grading** |
| 120 | Sweetgum | | 8" | **Grading** |
| 121 | Pine | Softwood | 15" | **Grading** |
| 122 | Pine | Softwood | 8" | **Grading** |
| 123 | Pine | Softwood | 10" | **New Trail** |
| 124 | Pine | Softwood | 7" | **New Trail** |
| 125 | Pine | Softwood | 10" | **Grading** |
| 126 | Sweetgum | Hardwood | 10" | **Grading** |
| 127 | Poplar | Softwood | 11" | **Grading** |
| 128 | Pine | Softwood | 10" | **Grading** |
| 129 | Pine | Softwood | 6" | **Grading** |
| 130 | Pine | Softwood | 14" | **Grading** |
| 131 | Pine | Softwood | 15" | **Grading** |
| 132 | Pine | Softwood | 7" | **Grading** |
| 133 | Pine | Softwood | 15" | **Grading** |
| 134 | Pine | Softwood | 15" | **Grading** |
| 135 | DE | | 8" | **Grading** |
| 136 | Pine | Softwood | 7" | **Grading** |
| 137 | Pine | Softwood | 9" | **Grading** |
| 138 | DE | | 6" | **Grading** |
| 139 | Pine | Softwood | 7" | **Grading** |
| 140 | Pine | Softwood | 14" | **Grading** |
| 141 | Pine | Softwood | 18" | **Grading** |
| 142 | Pine | Softwood | 10" | **Grading** |
| 143 | DE | | 6" | **Grading** |
| 144 | Oak | Hardwood | 19" | **Grading** |
| 145 | Pine | Softwood | 18" | **Grading** |
| 146 | Pine | Softwood | 18" | **Grading** |
| 147 | Pine | Softwood | 14" | **Grading** |
| 148 | Pine | Softwood | 15" | **Grading** |
| 149 | Pine | Softwood | 15" | **New Trail** |
| 150 | Oak | Hardwood | 13" | **New Trail** |
| 151 | Pine | Softwood | 8" | **New Trail** |
| 152 | Pine | Softwood | 7' | **New Trail** |
| 153 | Pine | Softwood | 20" | **New Trail** |
| 154 | Pine | Softwood | 18" | **New Trail** |
| 155 | Pine | Softwood | 6" | **New Trail** |
| 156 | Poplar | Hardwood | 8" | **New Trail** |
| 157 | Pine | Softwood | 21" | **New Trail** |
| 158 | Pine | Softwood | 18" | **New Trail** |
| 159 | Sweetgum | Hardwood | 8" | **New Trail** |
| 160 | Sweetgum | Hardwood | 8" | **New Trail** |
| 161 | Pine | Softwood | 8" | **New Trail** |
| 162 | Sweetgum | Hardwood | 11" | **New Trail** |
| 163 | DE | | 8" | **New Trail** |
| 164 | Sweetgum | Hardwood | 6" | **New Trail** |
| 165 | Pine | Softwood | 12" | **New Trail** |
| 166 | Pine | Softwood | 8" | **New Trail** |
| 167 | Pine | Softwood | 18" | **Grading** |
| 168 | Poplar | Hardwood | 9" | **Grading** |
| 169 | Pine | Softwood | 7" | **New Trail** |
| 170 | Oak | Hardwood | 11" | **New Trail** |
| 171 | Pine | Softwood | 13" | **New Trail** |
| 172 | Pine | Softwood | 17" | **New Trail** |
| 173 | Pine | Softwood | 15" | **New Trail** |
| 174 | Pine | Softwood | 16" | **New Trail** |
| 175 | Pine | Softwood | 14" | **New Trail** |
| 176 | Sweetgum | Hardwood | 15" | **Grading** |
| 177 | Pine | Softwood | 16" | **Grading** |
| 178 | Pine | Softwood | 15" | **Grading** |
| 179 | Pine | Softwood | 12" | **Grading** |
| 180 | DE | | 3" | **Grading** |
| 181 | DE | | 3" | **Grading** |
| 182 | Maple | Hardwood | 4" | **Grading** |
| 183 | Oak | Hardwood | 2" | **Grading** |
| 184 | Maple | Hardwood | 1" | **Grading** |
| 185 | DE | | 2" | **Grading** |
| 186 | Holly | Hardwood | 2" | **Grading** |
| 187 | Holly | Hardwood | 3" | **Grading** |
| 188 | Sweetgum | Hardwood | 7" | **Grading** |
| 189 | DE | | 3" | **New Trail** |
| 190 | DE | | 2" | **Grading** |
| 191 | DE | | 3" | **Grading** |
| 192 | DE | | 2" | **Grading** |
| 193 | DE | | 2" | **Grading** |
| 194 | DE | | 3" | **New Trail** |
| 195 | DE | | 3" | **Grading** |
| 196 | Pine | Softwood | 2" | **New Trail** |
| 197 | Pine | Softwood | 2" | **Grading** |
| 198 | DE | | 3" | **New Trail** |
| 199 | Pine | Softwood | 17" | **New Trail** |
| 200 | Pine | Softwood | 24" | **New Trail** |
| 201 | Oak | Hardwood | 10" | **New Trail** |
| 202 | Pine | Softwood | 21" | **Grading** |
| 203 | Pine | Softwood | 10" | **New Trail** |
| 204 | Oak | Hardwood | 10" | **New Trail** |
| 205 | Oak | Hardwood | 3" | **New Trail** |
| 206 | Oak | Hardwood | 2" | **New Trail** |
| 207 | Maple | Hardwood | 14" | **New Trail** |
| 208 | Holly | Hardwood | 14" | **Grading** |
| 209 | Pine | Softwood | 28" | **New Trail** |
| 210 | Holly | Hardwood | 14" | **New Trail** |
| 211 | Holly | Hardwood | 13" | **Parking** |
| 212 | Holly | Hardwood | 22" | **Grading** |
| 213 | Oak | Hardwood | 20" | **Grading** |
| 214 | Oak | Hardwood | 11" | **Grading** |
| 215 | Oak | Hardwood | 9" | **Grading** |
| 216 | Oak | Hardwood | 9" | **Grading** |
| 217 | Oak | Hardwood | 17" | **New Trail** |
| 218 | Oak | Hardwood | 12" | **New Trail** |
| 219 | Oak | Hardwood | 26" | **New Trail** |
| 220 | Oak | Hardwood | 10" | **New Trail** |
| 221 | Oak | Hardwood | 34" | **Grading** |
| 222 | Oak | Hardwood | 10" | **Grading** |
| 223 | Pine | Softwood | 21" | **Grading** |
| 224 | Holly | Hardwood | 21" | **Grading** |
| 225 | DE | | 7" | **Parking** |
| 226 | Oak | Hardwood | 6" | **Grading** |
| 227 | Oak | Hardwood | 3" | **Grading** |
| 228 | Oak | Hardwood | 3" | **Grading** |
| 229 | Oak | Hardwood | 6" | **Grading** |
| 230 | Oak | Hardwood | 6" | **Grading** |
| 231 | Oak | Hardwood | 6" | **Grading** |
| 232 | Oak | Hardwood | 6" | **Grading** |
| 233 | Oak | Hardwood | 6" | **Grading** |
| 234 | Oak | Hardwood | 3" | **Grading** |
| 235 | Oak | Hardwood | 6" | **Parking** |
| 236 | Oak | Hardwood | 5" | **Parking** |
| 237 | Pine | Softwood | 6" | **Grading** |
| 238 | Pine | Softwood | 8" | **Grading** |
| 239 | Oak | Hardwood | 3" | **Grading** |
| 240 | CED | | 6" | **Grading** |
| 241 | CED | | 6" | **Grading** |
| 242 | Oak | Hardwood | 6" | **Grading** |
| 243 | Oak | Hardwood | 6" | **Grading** |
| 244 | Pine | Softwood | 6" | **Grading** |
| 245 | Oak | Hardwood | 6" | **Grading** |
| 246 | Oak | Hardwood | 10" | **Grading** |
| 247 | Oak | Hardwood | 7" | **Grading** |
| 248 | Oak | Hardwood | 6" | **Grading** |
| 249 | Oak | Hardwood | 3" | **Grading** |
| 250 | Oak | Hardwood | 3" | **Grading** |
| 251 | Oak | Hardwood | 8" | **Grading** |
| 252 | Oak | Hardwood | 3" | **New Trail** |
| 253 | Oak | Hardwood | 8" | **Grading** |
| 254 | Oak | Hardwood | 6" | **Grading** |
| 255 | Oak | Hardwood | 8" | **Grading** |
| 256 | Oak | Hardwood | 18" | **Grading** |
| 257 | Oak | Hardwood | 15" | **Grading** |
| 258 | Oak | Hardwood | 21" | **Grading** |
| 259 | Oak | Hardwood | 10" | **Grading** |
| 260 | Hickory | Hardwood | 9" | **Grading** |
| 261 | Pine | Softwood | 14" | **Grading** |
| 262 | Oak | Hardwood | 26" | **Grading** |
| 263 | Pine | Softwood | 14" | **Grading** |
| 264 | Hickory | Hardwood | 10" | **Grading** |
| 265 | Oak | Hardwood | 24" | **Grading** |
| 266 | Oak | Hardwood | 22" | **Grading** |
| 267 | Oak | Hardwood | 8" | **Grading** |
| 268 | Oak | Hardwood | 15" | **Grading** |
| 269 | Pine | Softwood | 20" | **Grading** |
| 270 | Poplar | Hardwood | 46" | **Grading** |
| 271 | Pine | Softwood | 19" | **Grading** |
| 272 | Hickory | Hardwood | 8" | **Grading** |
| 273 | Oak | Hardwood | 9" | **Grading** |
| 274 | Pine | Softwood | 19" | **Grading** |
| 275 | Oak | Hardwood | 7" | **Grading** |
| 276 | Oak | Hardwood | 9" | **Grading** |
| 277 | Oak | Hardwood | 12" | **Grading** |
| 278 | Oak | Hardwood | 7" | **Grading** |
| 279 | Hickory | Hardwood | 6" | **Grading** |
| 280 | Oak | Hardwood | 42" | **Grading** |
| 281 | Oak | Hardwood | 14" | **Grading** |
| 282 | Pine | Softwood | 12" | **Grading** |
| 283 | Pine | Softwood | 15" | **Grading** |
| 284 | Oak | Hardwood | 6" | **Grading** |
| 285 | Oak | Hardwood | 8" | **Grading** |
| 286 | Oak | Hardwood | 12" | **Grading** |
| 287 | Oak | Hardwood | 28" | **Grading** |
| 288 | Oak | Hardwood | 9" | **Grading** |
| 289 | Oak | Hardwood | 20" | **Grading** |
| 290 | Oak | Hardwood | 14" | **Grading** |
| 291 | Oak | Hardwood | 14" | **Grading** |
| 292 | Hickory | Hardwood | 20" | **Grading** |
| 293 | Hickory | Hardwood | 6" | **Grading** |
| 294 | Oak | Hardwood | 16" | **Grading** |
| 295 | Oak | Hardwood | 6" | **Grading** |
| 296 | Oak | Hardwood | 24" | **Grading** |
| 297 | Oak | Hardwood | 8" | **Grading** |
| 298 | Oak | Hardwood | 12" | **Grading** |
| 299 | Oak | Hardwood | 24" | **Grading** |
| 300 | Oak | Hardwood | 8" | **Grading** |
| 301 | Oak | Hardwood | 14" | **Grading** |
| 302 | Oak | Hardwood | 7" | **Grading** |
| 303 | Oak | Hardwood | 18" | **Grading** |
| 304 | Oak | Hardwood | 10" | **Grading** |
| 305 | Oak | Hardwood | 16" | **Grading** |
| 306 | Oak | Hardwood | 12" | **Grading** |
| 307 | Oak | Hardwood | 7" | **Grading** |
| 308 | Oak | Hardwood | 9" | **Grading** |
| 309 | Oak | Hardwood | 9" | **Grading** |
| 310 | Oak | Hardwood | 12" | **Grading** |
| 311 | Oak | Hardwood | 10" | **Grading** |
| 312 | Oak | Hardwood | 8" | **Grading** |
| 313 | Oak | Hardwood | 10" | **Grading** |
| 314 | Oak | Hardwood | 10" | **Grading** |
| 315 | Oak | Hardwood | 11" | **Grading** |
| 316 | Poplar | Hardwood | 16" | **Grading** |
| 317 | Oak | Hardwood | 8" | **Grading** |
| 318 | Poplar | Hardwood | 15" | **Grading** |
| 319 | SG | Hardwood | 8" | **Grading** |
| 320 | Oak | Hardwood | 10" | **Grading** |
| 321 | Oak | Hardwood | 10" | **Grading** |
| 322 | Oak | Hardwood | 7" | **Grading** |
| 323 | Oak | Hardwood | 10" | **Grading** |
| 324 | Oak | Hardwood | 8" | **Grading** |
| 325 | Oak | Hardwood | 14" | **Grading** |
| 326 | Oak | Hardwood | 8" | **Grading** |
| 327 | Oak | Hardwood | 8" | **Grading** |
| 328 | Oak | Hardwood | 40" | **Grading** |
| 329 | Oak | Hardwood | 7" | **Grading** |
| 330 | Oak | Hardwood | 24" | **Grading** |
| 331 | Oak | Hardwood | 12" | **Grading** |
| 332 | Oak | Hardwood | 12" | **Grading** |
| 333 | Oak | Hardwood | 14" | **Grading** |
| 334 | Oak | Hardwood | 24" | **Grading** |
| 335 | Oak | Hardwood | 12" | **Grading** |
| 336 | Hickory | Hardwood | 8" | **Grading** |
| 337 | Oak | Hardwood | 8" | **Grading** |
| 338 | Oak | Hardwood | 20" | **Grading** |
| 339 | Oak | Hardwood | 14" | **Grading** |
| 340 | Oak | Hardwood | 22" | **Grading** |
| 341 | Pine | Softwood | 16" | **Grading** |
| 342 | Oak | Hardwood | 10" | **Grading** |
| 343 | Oak | Hardwood | 32" | **Grading** |
| 344 | Oak | Hardwood | 8" | **New Trail** |
| 345 | Oak | Hardwood | 8" | **Grading** |
| 346 | Oak | Hardwood | 32" | **Grading** |
| 347 | Oak | Hardwood | 9" | **Grading** |
| 348 | DE | | 14" | **New Trail** |
| 349 | Oak | Hardwood | 10" | **Grading** |
| 350 | Oak | Hardwood | 18" | **Grading** |
| 351 | Magnolia | Hardwood | 6" | **Grading** |
| 352 | Oak | Hardwood | 16" | **Grading** |
| 353 | Oak | Hardwood | 9" | **Grading** |
| 354 | Oak | Hardwood | 22" | **Grading** |
| 355 | Oak | Hardwood | 22" | **Grading** |
| 356 | Magnolia | Hardwood | 6" | **Grading** |
| 357 | Oak | Hardwood | 7" | **Grading** |
| 358 | Oak | Hardwood | 14" | **Grading** |
| 359 | Oak | Hardwood | 20" | **Grading** |
| 360 | Oak | Hardwood | 14" | **Grading** |
| 361 | Oak | Hardwood | 20" | **Grading** |
| 362 | Oak | Hardwood | 12" | **Grading** |
| 363 | Oak | Hardwood | 15" | **Grading** |
| 364 | Oak | Hardwood | 8" | **Grading** |
| 365 | Poplar | Hardwood | 17" | **Grading** |
| 366 | Oak | Hardwood | 7" | **Grading** |
| 367 | Oak | Hardwood | 7" | **Grading** |
| 368 | Oak | Hardwood | 8" | **Grading** |
| 369 | Oak | Hardwood | 20" | **Grading** |
| 370 | Oak | Hardwood | 30" | **Grading** |
| 371 | Oak | Hardwood | 8" | **Grading** |
| 372 | Oak | Hardwood | 8" | **Grading** |
| 373 | Poplar | Hardwood | 20" | **Grading** |
| 374 | Oak | Hardwood | 20" | **Grading** |
| 375 | Poplar | Hardwood | 14" | **Grading** |
| 376 | Poplar | Hardwood | 20" | **Grading** |
| 377 | DE | | 30" | **Grading** |
| 378 | Oak | Hardwood | 21" | **Grading** |
| 379 | DE | | 8" | **Grading** |
| 380 | Oak | Hardwood | 10" | **Grading** |
| 381 | Pine | Softwood | 20" | **Grading** |
| 382 | Sweetgum | Hardwood | 9" | **Grading** |
| 383 | Poplar | Hardwood | 8" | **Grading** |
| 384 | DE | | 8" | **Grading** |
| 385 | Oak | Hardwood | 8" | **Grading** |
| 386 | Oak | Hardwood | 32" | **Grading** |
| 387 | Oak | Hardwood | 19" | **Grading** |
| 388 | Poplar | Hardwood | 16" | **Grading** |
| 389 | Oak | Hardwood | 16" | **Grading** |
| 390 | Oak | Hardwood | 6" | **Grading** |
| 391 | Poplar | Hardwood | 10" | **Grading** |
| 392 | Sweetgum | Hardwood | 19" | **Grading** |
| 393 | Sweetgum | Hardwood | 11" | **Grading** |
| 394 | DE | | 8" | **Grading** |
| 395 | Poplar | Hardwood | 11" | **Grading** |
| 396 | Sweetgum | Hardwood | 11" | **Grading** |
| 397 | Pine | Softwood | 26" | **Grading** |
| 398 | Sweetgum | Hardwood | 10" | **Grading** |
| 399 | Oak | Hardwood | 24" | **Grading** |
| 400 | Pine | Softwood | 32" | **Grading** |
| 401 | Oak | Hardwood | 10" | **Grading** |
| 402 | Pine | Softwood | 12" | **Grading** |
| 403 | DE | | 11" | **Grading** |
| 404 | Oak | Hardwood | 8" | **Grading** |
| 405 | Oak | Hardwood | 10" | **Grading** |
| 406 | Pine | Softwood | 22" | **Grading** |
| 407 | Oak | Hardwood | 7" | **Grading** |
| 408 | Oak | Hardwood | 9" | **Grading** |
| 409 | Pine | Softwood | 13" | **Grading** |
| 410 | Sweetgum | Hardwood | 9" | **Grading** |
| 411 | Sweetgum | Hardwood | 6" | **Grading** |
| 412 | Oak | Hardwood | 8" | **Grading** |
| 413 | Oak | Hardwood | 11" | **Grading** |
| 414 | Pine | Softwood | 13" | **Grading** |
| 415 | Pine | Softwood | 11" | **Grading** |
| 416 | Pine | Softwood | 10" | **Grading** |
| 417 | Pine | Softwood | 10" | **Grading** |
| 418 | Pine | Softwood | 20" | **Grading** |
| 419 | Pine | Softwood | 13" | **Grading** |
| 420 | Holly | Hardwood | 17" | **Grading** |
| 421 | Oak | Hardwood | 6" | **Grading** |
| 422 | Oak | Hardwood | 3" | **Grading** |
| 423 | Oak | Hardwood | 7" | **Grading** |
| 424 | Birch | Hardwood | 5" | **Grading** |
| 425 | Hickory | Hardwood | 6" | **Grading** |
| 426 | Oak | Hardwood | 23" | **Grading** |
| 427 | Poplar | Softwood | 14" | **Demolition** |
| 428 | Oak | Hardwood | 8" | **Demoliton** |
| 429 | Oak | Hardwood | 24" | **Demolition** |
| 430 | Oak | Hardwood | 10" | **Demolition** |
| 431 | Poplar | Softwood | 7" | **Grading** |
| 432 | Pine | Softwood | 20" | **Grading** |
| 433 | Sweetgum | Hardwood | 7" | **Grading** |
| 434 | Sweetgum | Hardwood | 7" | **Grading** |
| 435 | Poplar | Softwood | 14" | **Grading** |
| 436 | Poplar | Softwood | 15" | **Grading** |
| 437 | Sweetgum | Hardwood | 15" | **Grading** |

LOSE DESIGN
SPACES FOR LIFE.

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LICENSED PROFESSIONAL LANDSCAPE ARCHITECT
LA001872
1/4/19
AARON J. ST. PIERRE
GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
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| . | . | . |
| CONFORM SET 04-29-2019 | | |

SHEET TITLE

TREE REMOVAL LIST

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY JG | SCALE N/A |
| CHECKED BY ASP | |

SHEET NO.

C0.15

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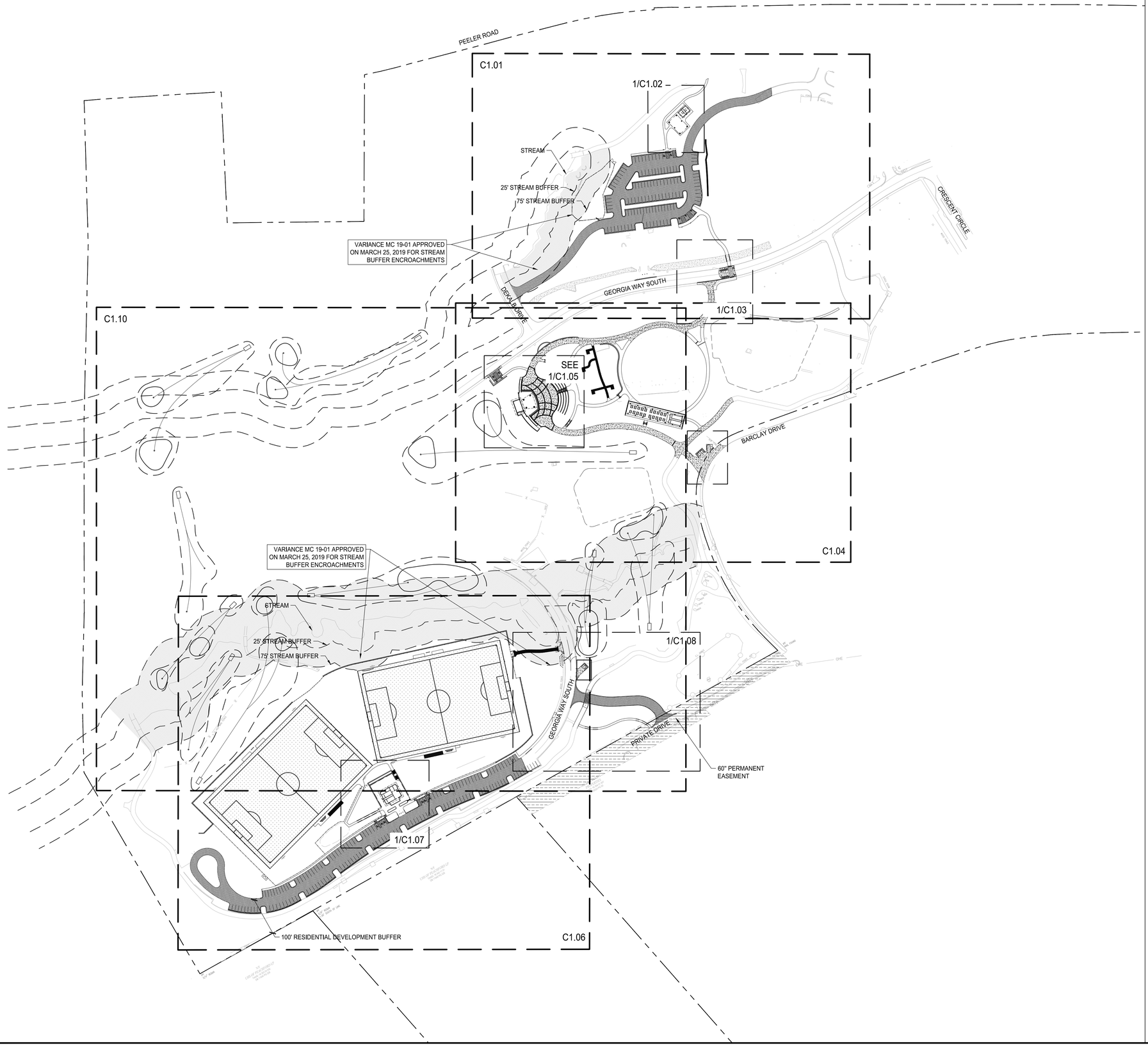


## LAYOUT NOTES:

1. SEE SHEET C0.01 FOR GENERAL NOTES.
2. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
3. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.
4. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.
5. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
6. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
7. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH GDOT'S STANDARDS FOR ROADWAY AND BRIDGE CONSTRUCTION, LATEST EDITION.
8. SEE SHEET C1.09 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

- ASPHALT (LIGHT-DUTY)
- CONCRETE (HEAVY-DUTY)
- AGGREGATE
- SYNTHETIC TURF
- STREAM BUFFER

## STREAM BUFFER VARIANCE:

THE CITY OF DUNWOODY APPROVED VARIANCE APPLICATION MC 19-01 ON MARCH 25, 2019 TO ALLOW ENCROACHMENT INTO THE CITY'S STREAM BUFFER FOR CONSTRUCTION AND GRADING. A COPY OF THE APPROVAL LETTER IS ON SHEET C0.01 (GENERAL NOTES).

## CONSTRUCTION ENTRANCE NOTE:

CONSTRUCTION TRAFFIC WILL ACCESS THE SITE AT FOUR LOCATIONS:

- NORTH PEACHTREE ROAD (GEORGIA WAY SOUTH)
- PEELER ROAD (DeKALB DRIVE)
- BARCLAY DRIVE
- PRIVATE ROAD OFF BARCLAY DRIVE

0 120 240 360

SCALE: 1" = 120 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001672 AARON J. ST. PIERRE 1/4/19

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| C1 | 03/28/2019 | REVISED PER CITY |

SHEET TITLE

OVERALL SITE LAYOUT PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=120' |
| CHECKED BY JG | |

SHEET NO.

C1.00

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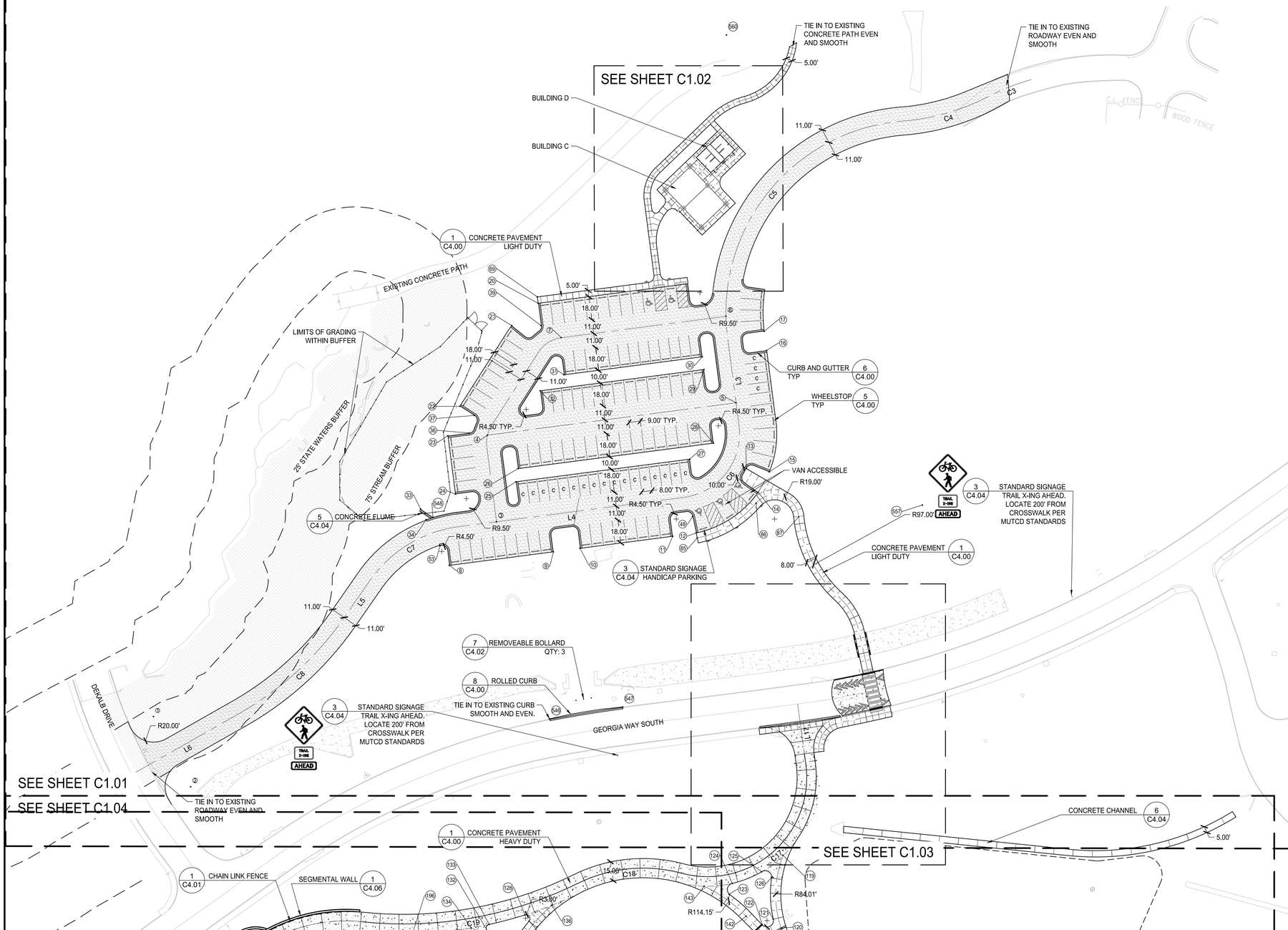


## LAYOUT NOTES:

1. SEE SHEET C0.01 FOR GENERAL NOTES.
2. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
3. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.
4. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.
5. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
6. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
7. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH GDOT'S STANDARDS FOR ROADWAY AND BRIDGE CONSTRUCTION, LATEST EDITION.
8. SEE SHEET C1.09 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

- CONCRETE (HEAVY-DUTY)
- AGGREGATE
- SYNTHETIC TURF
- STREAM BUFFER
- C — COMPACT PARKING SPACE (8'X18' TYP.)
- JOINT
  - EXPANSION JOINT (EJ)
  - CONTROL JOINT (CJ)

Line Table

| Line # | Length | Direction | START POINT | END POINT |
|---|---|---|---|---|
| L3 | 69.557 | S07° 24' 57.68"E | 1431299.681,2256367.570 | 1431230.706,2256376.548 |
| L4 | 177.555 | S82° 35' 02.32"W | 1431174.670,2256333.420 | 1431151.753,2256157.350 |
| L5 | 35.106 | S34° 47' 46.84"W | 1431109.655,2256088.139 | 1431080.827,2256068.106 |
| L6 | 96.102 | S60° 25' 10.51"W | 1431005.777,2255985.893 | 1430958.337,2255902.317 |

Curve Table

| Curve # | Length | Radius | Delta | START POINT | END POINT |
|---|---|---|---|---|---|
| C3 | 35.796 | 170.446 | 012.0330 | 1431500.923,2256604.812 | 1431487.828,2256571.568 |
| C4 | 70.246 | 175.000 | 022.9987 | 1431487.828,2256571.568 | 1431468.576,2256504.501 |
| C5 | 243.208 | 150.000 | 092.8987 | 1431468.576,2256504.501 | 1431299.681,2256367.570 |
| C6 | 78.540 | 50.000 | 090.0000 | 1431230.706,2256376.548 | 1431174.670,2256333.420 |
| C7 | 83.405 | 100.000 | 047.7876 | 1431151.753,2256157.350 | 1431109.655,2256088.139 |
| C8 | 112.250 | 251.000 | 025.6232 | 1431080.827,2256068.106 | 1431005.777,2255985.893 |

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001672 1/4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| C1 | 03/28/2019 | REVISED PER CITY |

SHEET TITLE

SITE LAYOUT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |
| SHEET NO. C1.01 | |

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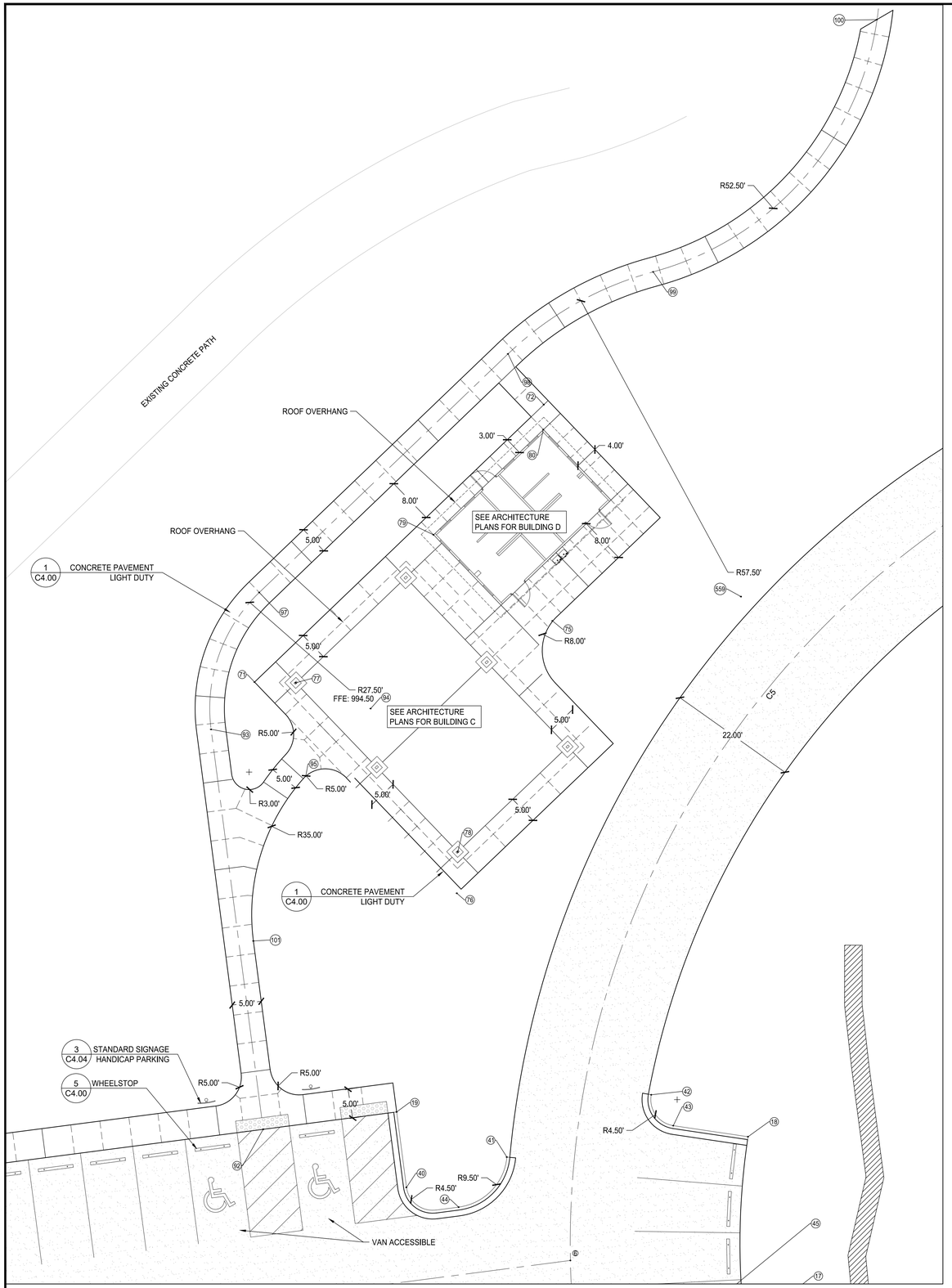


1 NORTH PICNIC AND RESTROOM AREA
SCALE: 1" = 20'

## LAYOUT NOTES:

1. SEE SHEET C0.01 FOR GENERAL NOTES.
2. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
3. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.
4. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.
5. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
6. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
7. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH GDOT'S STANDARDS FOR ROADWAY AND BRIDGE CONSTRUCTION, LATEST EDITION.
8. SEE SHEET C1.09 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

- ASPHALT (LIGHT-DUTY)
- CONCRETE (HEAVY-DUTY)
- AGGREGATE
- SYNTHETIC TURF
- STREAM BUFFER
- C — COMPACT PARKING SPACE (8'X18' TYP.)

JOINT

- EXPANSION JOINT (EJ)
- CONTROL JOINT (CJ)

0 10 20 30
SCALE: 1" = 10 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED LA001672 LANDSCAPE ARCHITECT AARON J. ST. PIERRE 1/4/19

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| C1 | 03/28/2019 | COMMENTS BY CITY |

SHEET TITLE

SITE LAYOUT ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=20' |
| CHECKED BY JG | |

SHEET NO.

C1.02

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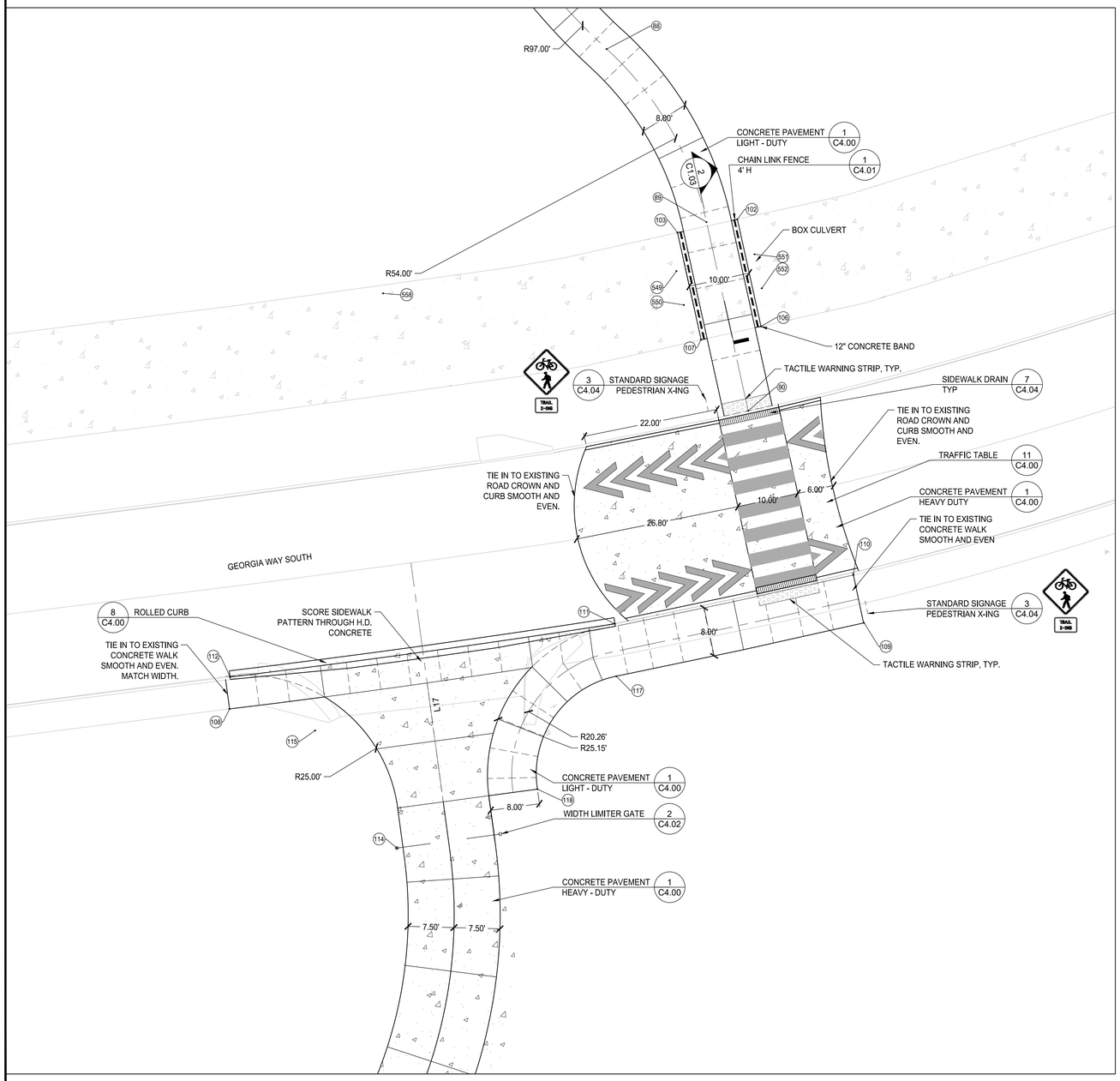
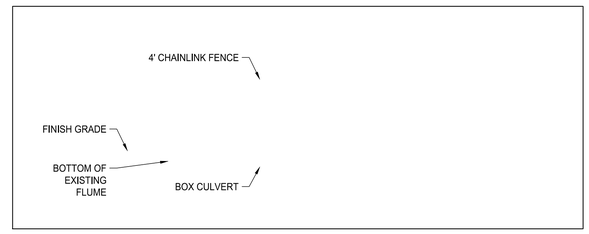



1 INTERSECTION AT GEORGIA WAY SOUTH

SCALE: 1" = 10'




2 CULVERT SECTION

SCALE: 1" = 4'

## LAYOUT NOTES:

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8. SEE SHEET C1.09 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

| | |
|---|---|
| | ASPHALT (LIGHT-DUTY) |
| | CONCRETE (HEAVY-DUTY) |
| | AGGREGATE |
| | SYNTHETIC TURF |
| | STREAM BUFFER |
| C | COMPACT PARKING SPACE (8'X18' TYP.) |

JOINT

EXPANSION JOINT (EJ)

CONTROL JOINT (CJ)

0 10 20 30

SCALE: 1" = 10 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED LA001672 LANDSCAPE ARCHITECT AARON J. ST. PIERRE 1/4/19

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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SHEET TITLE

SITE LAYOUT ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=10' |
| CHECKED BY JG | |
| SHEET NO. C1.03 | |

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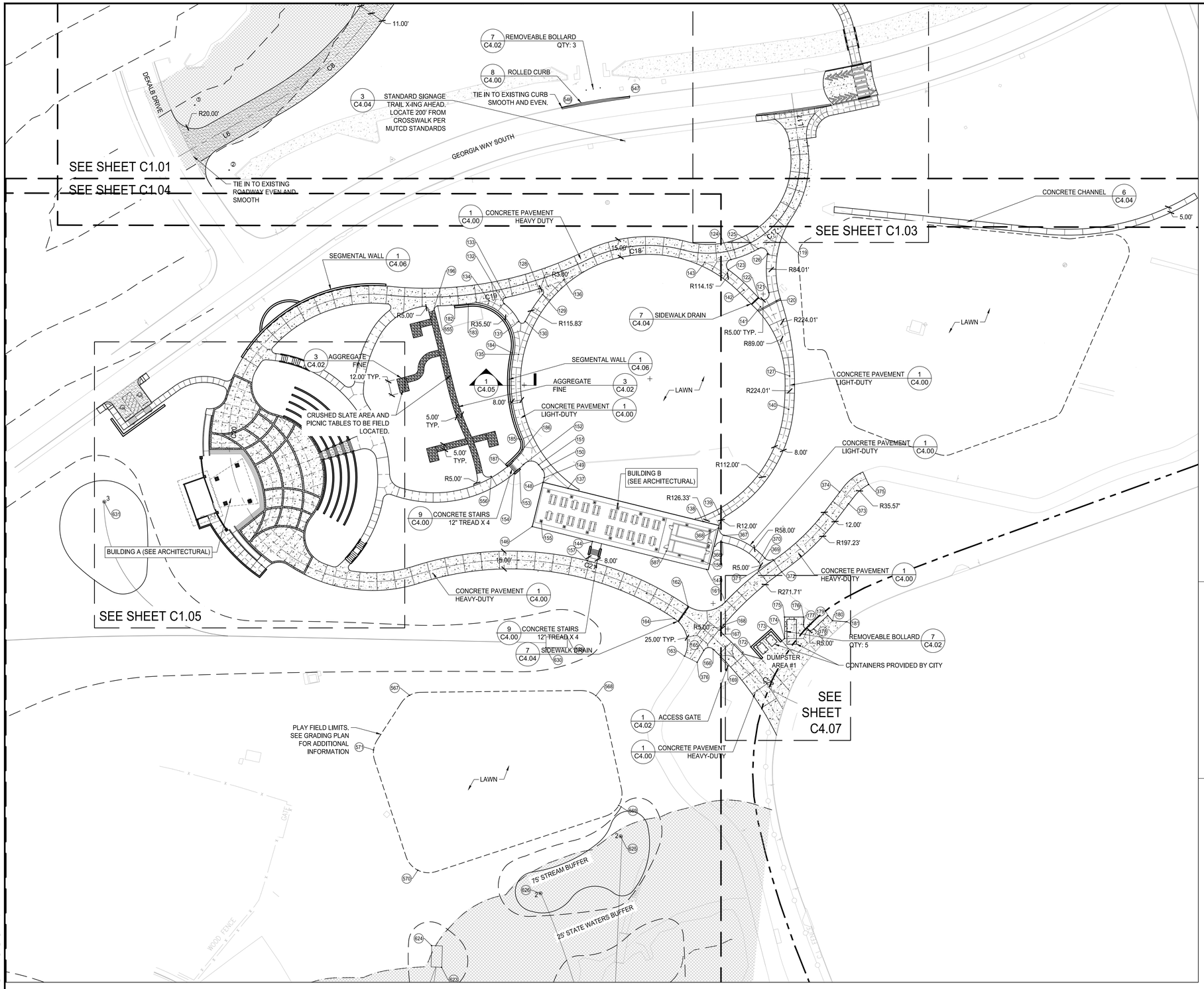


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9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

- ASPHALT (LIGHT-DUTY)
- CONCRETE (HEAVY-DUTY)
- AGGREGATE
- SYNTHETIC TURF
- STREAM BUFFER
- C — COMPACT PARKING SPACE (8'X18' TYP.)

JOINT
- EXPANSION JOINT (EJ)
- CONTROL JOINT (CJ)

| Line Table | | | | |
|---|---|---|---|---|
| Line # | Length | Direction | START POINT | END POINT |
| L17 | 46.892 | S07° 41' 56.22"E | 1431013.373,2256422.335 | 1430966.903,2256428.617 |

| Curve Table | | | | | |
|---|---|---|---|---|---|
| Curve # | Length | Radius | Delta | START POINT | END POINT |
| C17 | 153.129 | 77.502 | 113.2050 | 1430966.903,2256428.617 | 1430881.162,2256331.689 |
| C18 | 83.263 | 115.332 | 041.3642 | 1430881.162,2256331.689 | 1430873.248,2256250.607 |
| C19 | 173.885 | 307.505 | 032.3991 | 1430873.248,2256250.607 | 1430843.287,2256081.666 |
| C20 | 430.990 | 121.167 | 203.8012 | 1430843.287,2256081.666 | 1430607.431,2256106.171 |
| C21 | 294.326 | 257.500 | 065.4899 | 1430607.431,2256106.171 | 1430535.760,2256375.357 |
| C22 | 66.601 | 150.000 | 025.4397 | 1430535.760,2256375.357 | 1430497.934,2256429.509 |

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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STATE OF GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| C1 | 03/28/2019 | REVISED PER CITY |

SHEET TITLE

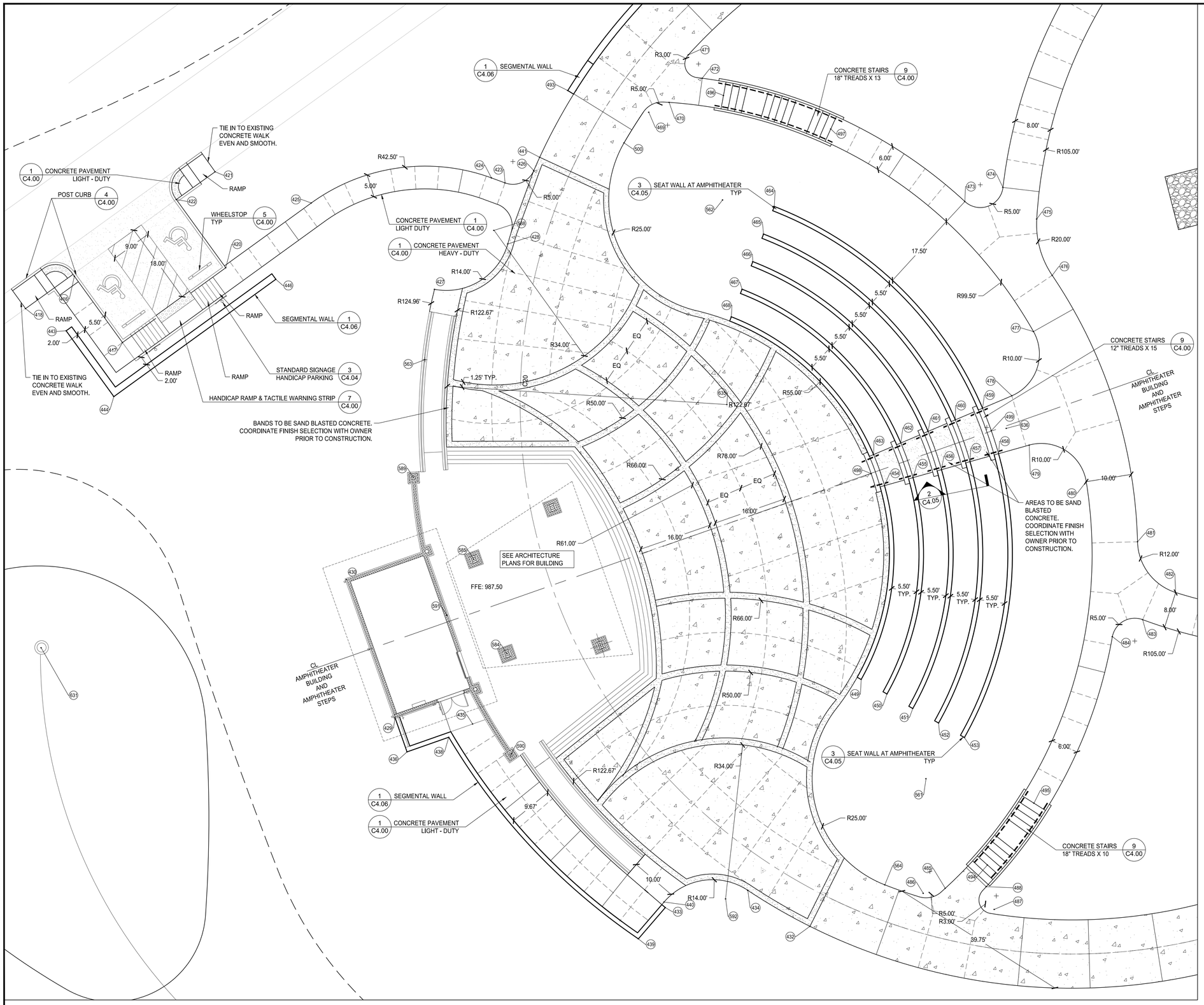
SITE LAYOUT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |

SHEET NO.

C1.04

O:\17000\17302_Brook Run Park Improvements_Dunwoody_GA\CADD\1_SHEETS\17302_C100_SITE_SERIES.dwg - Printed on 2019-04-09 at 4:18:42 PM.




1 NORTH PICNIC AND RESTROOM AREA
SCALE: 1" = 20'

## LAYOUT NOTES:

1. SEE SHEET C0.01 FOR GENERAL NOTES.
2. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
3. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.
4. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.
5. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). LATEST EDITION.
6. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
7. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH GDOT'S STANDARDS FOR ROADWAY AND BRIDGE CONSTRUCTION, LATEST EDITION.
8. SEE SHEET C1.09 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

- ASPHALT (LIGHT-DUTY)
- CONCRETE (HEAVY-DUTY)
- AGGREGATE
- SYNTHETIC TURF
- STREAM BUFFER
- C — COMPACT PARKING SPACE (8'X18' TYP.)
- JOINT
  - EXPANSION JOINT (EJ)
  - CONTROL JOINT (CJ)

SCALE: 1" = 10 '

LOSE DESIGN
SPACES FOR LIFE.

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED, AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.

GEORGIA REGISTERED LA001672 LANDSCAPE ARCHITECT AARON J. ST. PIERRE 1/4/19

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| | | |

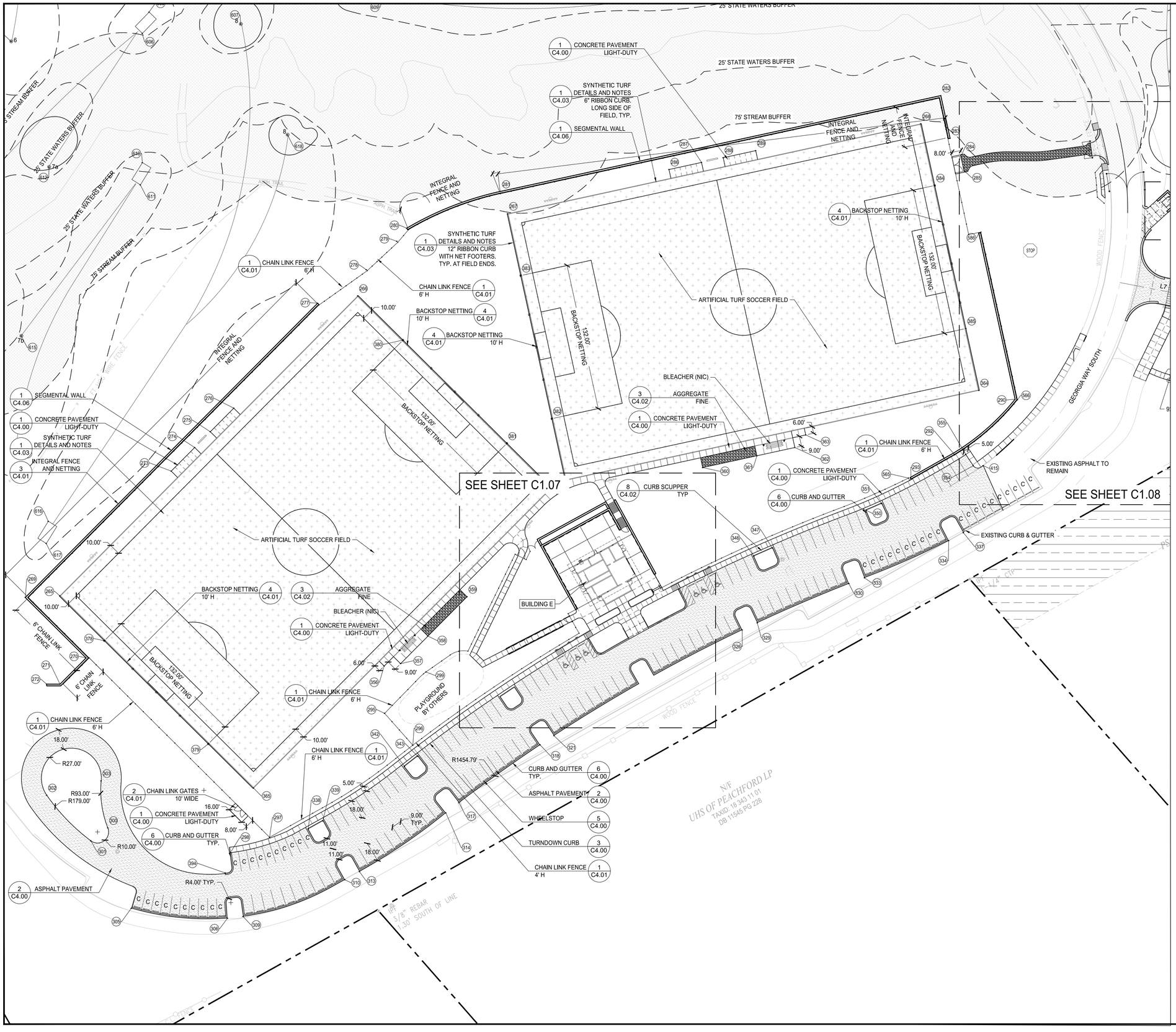
SHEET TITLE

SITE LAYOUT ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=10' |
| CHECKED BY JG | |

SHEET NO.

C1.05




## LAYOUT NOTES:

1. SEE SHEET C0.01 FOR GENERAL NOTES.
2. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
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6. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
7. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH GDOT'S STANDARDS FOR ROADWAY AND BRIDGE CONSTRUCTION, LATEST EDITION.
8. SEE SHEET C0.02 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

- ASPHALT (LIGHT-DUTY)
- CONCRETE (HEAVY-DUTY)
- AGGREGATE
- SYNTHETIC TURF
- STREAM BUFFER
- C — COMPACT PARKING SPACE (8'X18', TYP.)

JOINT
- EXPANSION JOINT (EJ)
- CONTROL JOINT (CJ)

0 40 80 120
SCALE: 1" = 40 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED LA001672 LANDSCAPE ARCHITECT 4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |

SHEET TITLE

SITE LAYOUT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |
| SHEET NO. C1.06 | |

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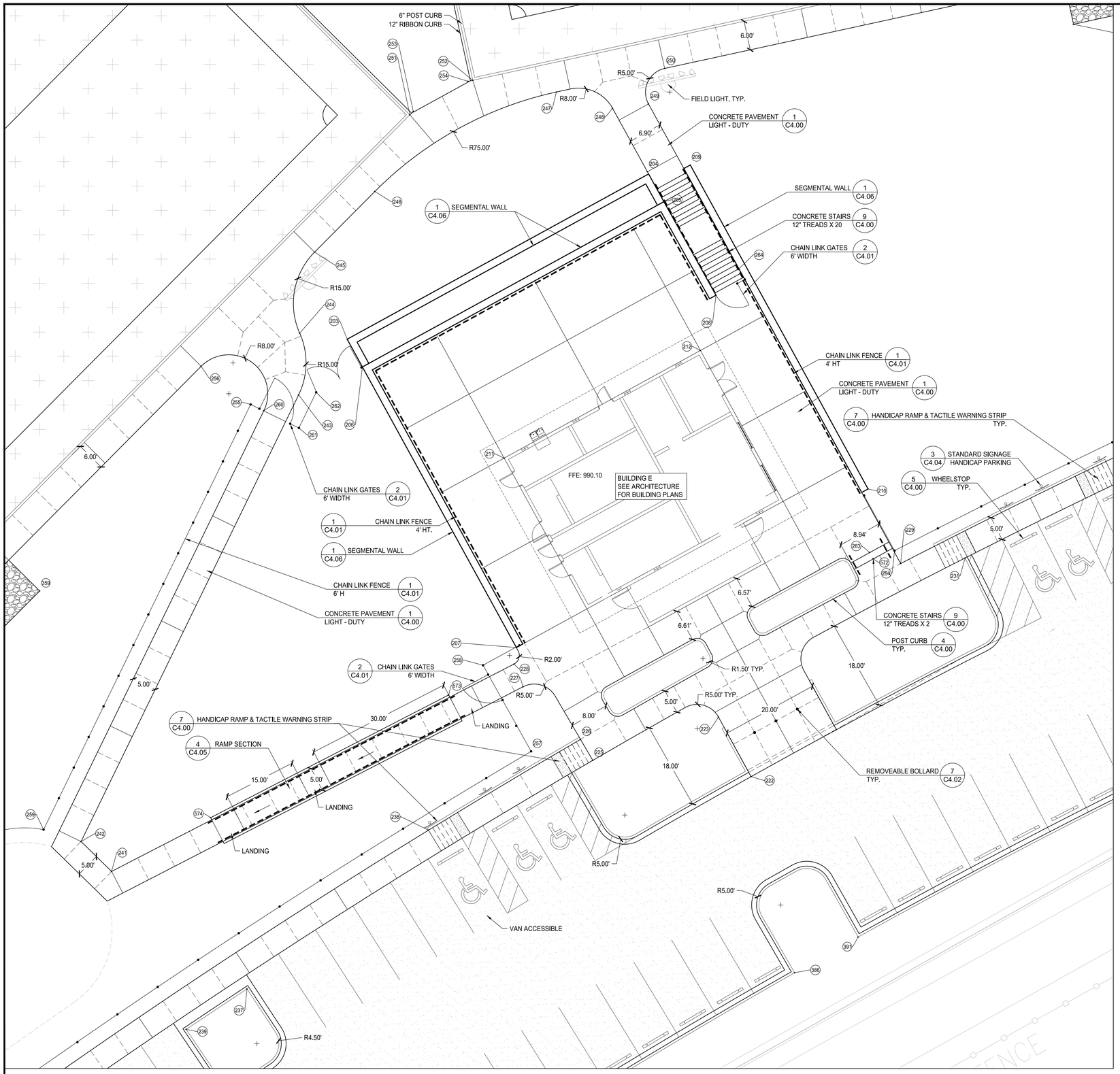


1 CONCESSION AREA AT SOCCER COMPLEX

SCALE: 1" = 20'

## LAYOUT NOTES:

1. SEE SHEET C0.01 FOR GENERAL NOTES.
2. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
3. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.
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8. SEE SHEET C0.02 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

- ASPHALT (LIGHT-DUTY)
- CONCRETE (HEAVY-DUTY)
- AGGREGATE
- SYNTHETIC TURF
- STREAM BUFFER
- C — COMPACT PARKING SPACE (8'X18' TYP.)

JOINT

- EXPANSION JOINT (EJ)
- CONTROL JOINT (CJ)

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED LA001672 1/4/19 LANDSCAPE ARCHITECT AARON J. ST. PIERRE

GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |

SHEET TITLE

SITE LAYOUT ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=20' |
| CHECKED BY JG | |
| SHEET NO. C1.07 | |

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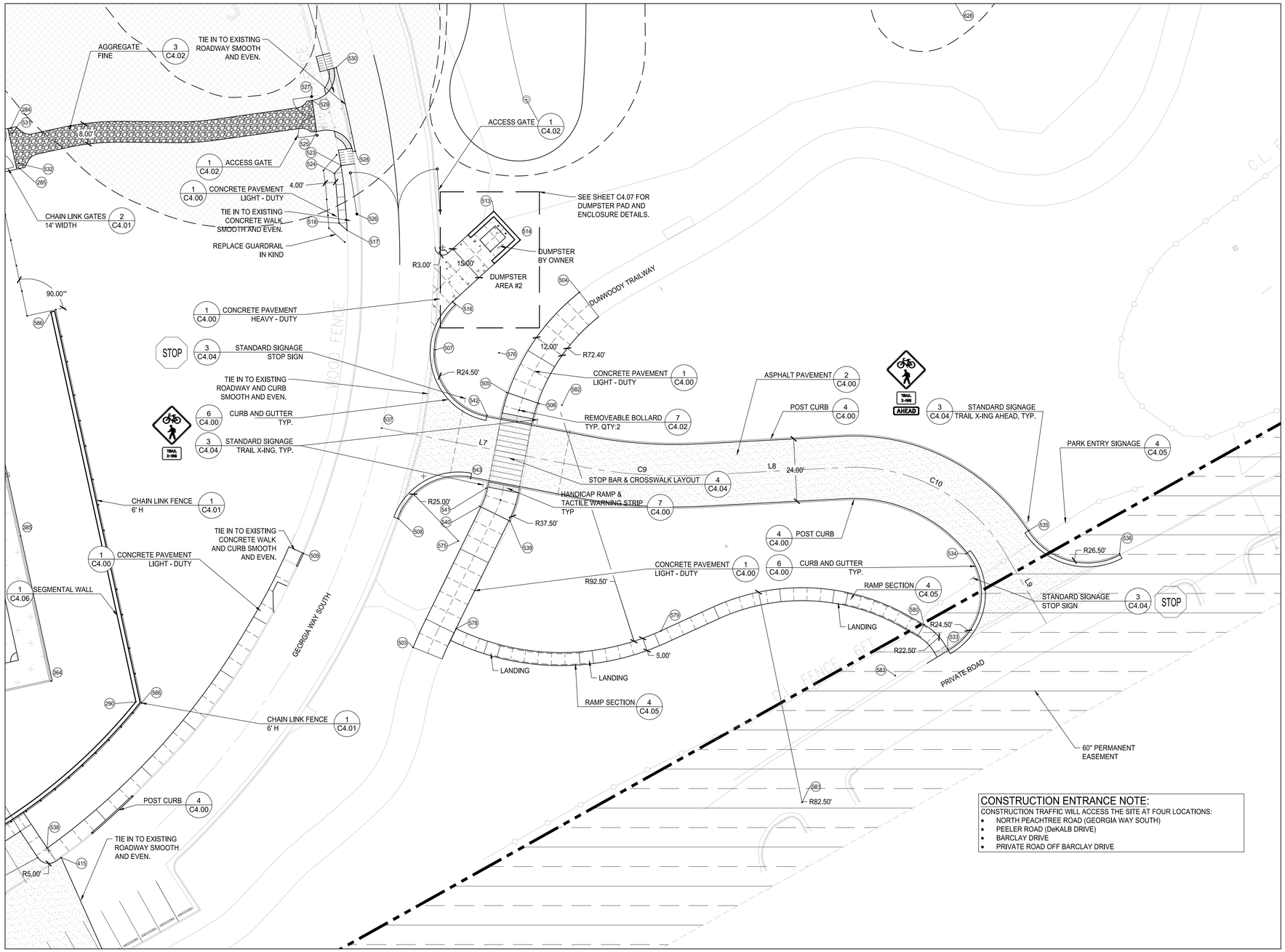


## CONSTRUCTION ENTRANCE NOTE:

CONSTRUCTION TRAFFIC WILL ACCESS THE SITE AT FOUR LOCATIONS:

- NORTH PEACHTREE ROAD (GEORGIA WAY SOUTH)
- PEELER ROAD (DeKALB DRIVE)
- BARCLAY DRIVE
- PRIVATE ROAD OFF BARCLAY DRIVE

## LAYOUT NOTES:

1. SEE SHEET C0.01 FOR GENERAL NOTES.
2. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADII, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
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8. SEE SHEET C0.02 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

## LAYOUT LEGEND:

- ASPHALT (LIGHT-DUTY)
- CONCRETE (HEAVY-DUTY)
- AGGREGATE
- SYNTHETIC TURF
- STREAM BUFFER
- C — COMPACT PARKING SPACE (8'X18' TYP.)

JOINT

- EXPANSION JOINT (EJ)
- CONTROL JOINT (CJ)

| Line Table | | | | |
|---|---|---|---|---|
| Line # | Length | Direction | START POINT | END POINT |
| L7 | 78.792 | S79° 04' 40.28"E | 1429916.050,2256054.512 | 1429901.121,2256131.877 |
| L8 | 55.046 | N86° 57' 03.90"E | 1429897.998,2256177.255 | 1429900.926,2256232.223 |
| L9 | 33.659 | S30° 29' 03.36"E | 1429869.988,2256292.915 | 1429840.981,2256309.990 |

| Curve Table | | | | | |
|---|---|---|---|---|---|
| Curve # | Length | Radius | Delta | START POINT | END POINT |
| C9 | 45.598 | 187.000 | 013.9711 | 1429901.121,2256131.877 | 1429897.998,2256177.255 |
| C10 | 71.351 | 68.000 | 060.1195 | 1429900.926,2256232.223 | 1429869.988,2256292.915 |

1 DRIVEWAY
SCALE: 1" = 20'

0 20 40 60
SCALE: 1" = 20 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001672 4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| C1 | 02/22/2019 | REVISED PER CITY |

SHEET TITLE

SITE LAYOUT ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=20' |
| CHECKED BY JG | |
| SHEET NO. C1.08 | |

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| Point Table | | | |
|---|---|---|---|
| Point # | Raw Description | Easting | Northing |
| 1 | | 2255919.1447 | 1431003.5353 |
| 2 | | 2255948.1762 | 1430948.7224 |
| 3 | | 2256187.0995 | 1431155.6249 |
| 4 | | 2256180.0202 | 1431223.2770 |
| 5 | | 2256374.2247 | 1431248.5550 |
| 6 | | 2256366.3441 | 1431316.1029 |
| 7 | | 2256237.6367 | 1431299.3501 |
| 8 | | 2256150.2398 | 1431121.5825 |
| 9 | | 2256231.5539 | 1431132.1665 |
| 10 | | 2256252.3782 | 1431134.8770 |
| 11 | | 2256324.7676 | 1431144.2993 |
| 12 | | 2256343.0581 | 1431146.9066 |
| 13 | | 2256382.2027 | 1431197.2114 |
| 14 | | 2256391.5092 | 1431178.6947 |
| 15 | | 2256400.1660 | 1431194.5357 |
| 16 | | 2256398.1427 | 1431289.4778 |
| 17 | | 2256396.2102 | 1431304.3528 |
| 18 | | 2256396.6926 | 1431337.2527 |
| 19 | | 2256336.6587 | 1431341.4836 |
| 20 | | 2256219.6458 | 1431326.2530 |
| 21 | | 2256199.1086 | 1431308.8050 |
| 22 | | 2256158.4531 | 1431245.8256 |
| 23 | | 2256149.1134 | 1431222.7836 |
| 24 | | 2256155.0508 | 1431177.1684 |
| 25 | | 2256202.2517 | 1431186.8417 |
| 26 | | 2256203.9358 | 1431197.1453 |
| 27 | | 2256338.1057 | 1431204.5247 |
| 28 | | 2256356.6477 | 1431217.0225 |
| 29 | | 2256349.1614 | 1431274.5373 |
| 30 | | 2256347.8707 | 1431284.4537 |
| 31 | | 2256239.7825 | 1431270.3847 |
| 32 | | 2256221.2405 | 1431257.8869 |
| 33 | | 2256127.8338 | 1431165.5736 |
| 34 | | 2256132.0631 | 1431157.3432 |
| 36 | | 2256165.7060 | 1431224.9434 |
| 37 | | 2256169.6780 | 1431238.6594 |
| 39 | | 2256221.9174 | 1431308.8007 |
| 40 | | 2256338.3367 | 1431328.5923 |
| 41 | | 2256355.4883 | 1431333.7693 |
| 42 | | 2256380.1600 | 1431344.4184 |
| 43 | | 2256383.9250 | 1431339.1424 |
| 44 | | 2256347.2540 | 1431325.2151 |
| 45 | | 2256383.3154 | 1431302.6744 |
| 48 | | 2256340.2901 | 1431159.8012 |
| 53 | | 2256142.8929 | 1431136.7522 |
| 69 | | 2256219.0004 | 1431331.2112 |
| 71 | | 2256312.3811 | 1431414.9596 |
| 72 | | 2256361.8097 | 1431462.3802 |
| 75 | | 2256363.2765 | 1431425.4295 |
| 76 | | 2256346.9448 | 1431378.8671 |
| 77 | | 2256319.4147 | 1431414.8387 |
| 78 | | 2256347.0951 | 1431385.9340 |
| 79 | | 2256342.9659 | 1431440.1322 |
| 80 | | 2256361.7278 | 1431458.1320 |
| 85 | | 2256343.9198 | 1431143.0018 |
| 86 | | 2256389.8830 | 1431170.1180 |
| 87 | | 2256423.2005 | 1431159.5228 |
| 88 | | 2256454.2745 | 1431097.1429 |
| 89 | | 2256470.5494 | 1431068.9336 |
| 90 | | 2256477.3324 | 1431038.1630 |
| 92 | | 2256313.8511 | 1431338.5149 |
| 93 | | 2256304.9518 | 1431406.8864 |
| 94 | | 2256332.2217 | 1431410.4359 |
| 95 | | 2256321.1383 | 1431398.9324 |
| 97 | | 2256313.1835 | 1431430.2802 |
| 98 | | 2256355.6910 | 1431471.0609 |
| 99 | | 2256380.4921 | 1431485.0756 |
| 100 | | 2256418.7053 | 1431528.1947 |
| 101 | | 2256312.1816 | 1431370.7102 |
| 102 | | 2256475.5700 | 1431069.3845 |
| 103 | | 2256465.8083 | 1431067.2145 |
| 106 | | 2256479.4197 | 1431051.9208 |

| Point Table | | | |
|---|---|---|---|
| Point # | Raw Description | Easting | Northing |
| 107 | | 2256469.6542 | 1431049.7681 |
| 108 | | 2256392.7656 | 1430989.5505 |
| 109 | | 2256496.2312 | 1431003.5835 |
| 110 | | 2256494.4944 | 1431011.3926 |
| 111 | | 2256455.6077 | 1431003.4366 |
| 112 | | 2256392.8573 | 1430994.7648 |
| 114 | | 2256420.0451 | 1430966.8630 |
| 115 | | 2256406.7227 | 1430986.0336 |
| 117 | | 2256455.8242 | 1430994.8851 |
| 118 | | 2256442.9656 | 1430976.4629 |
| 119 | | 2256410.7089 | 1430895.2290 |
| 120 | | 2256409.3611 | 1430838.3291 |
| 121 | | 2256403.2595 | 1430845.2916 |
| 122 | | 2256394.7689 | 1430840.7243 |
| 123 | | 2256368.9402 | 1430864.6970 |
| 124 | | 2256371.2790 | 1430873.2246 |
| 125 | | 2256394.2928 | 1430882.3161 |
| 126 | | 2256402.0230 | 1430877.9877 |
| 127 | | 2256420.7425 | 1430775.0166 |
| 128 | | 2256209.3180 | 1430848.6078 |
| 129 | | 2256212.5355 | 1430843.8388 |
| 130 | | 2256197.7844 | 1430821.1320 |
| 131 | | 2256192.4199 | 1430821.1030 |
| 132 | | 2256180.1734 | 1430835.8760 |
| 133 | | 2256181.3677 | 1430841.1847 |
| 134 | | 2256167.3487 | 1430838.4739 |
| 135 | | 2256192.2616 | 1430793.1645 |
| 136 | | 2256230.3888 | 1430856.0204 |
| 137 | | 2256233.8411 | 1430680.2426 |
| 138 | | 2256347.7997 | 1430652.2223 |
| 139 | | 2256361.2993 | 1430658.4631 |
| 140 | | 2256419.9276 | 1430746.9177 |
| 141 | | 2256396.1658 | 1430833.4688 |
| 142 | | 2256382.0960 | 1430847.5866 |
| 143 | | 2256349.2500 | 1430871.0242 |
| 144 | | 2256254.4162 | 1430635.5320 |
| 146 | | 2256203.6825 | 1430648.0065 |
| 147 | | 2256350.7095 | 1430611.8553 |
| 148 | | 2256212.8762 | 1430685.3974 |
| 149 | | 2256213.8075 | 1430689.1849 |
| 150 | | 2256212.2144 | 1430696.1807 |
| 151 | | 2256209.0897 | 1430700.1481 |
| 152 | | 2256196.5938 | 1430700.5299 |
| 153 | | 2256193.0383 | 1430697.0205 |
| 154 | | 2256188.5754 | 1430693.0101 |
| 155 | | 2256211.2395 | 1430652.5869 |
| 156 | | 2256347.1902 | 1430619.1592 |
| 157 | | 2256250.3671 | 1430619.0646 |
| 161 | | 2256366.5577 | 1430584.5560 |
| 162 | | 2256335.0528 | 1430580.7748 |
| 163 | | 2256332.1078 | 1430538.7265 |
| 164 | | 2256323.4664 | 1430570.4855 |
| 165 | | 2256348.3797 | 1430543.5209 |
| 166 | | 2256356.2690 | 1430544.4630 |
| 167 | | 2256364.6193 | 1430557.1828 |
| 168 | | 2256364.8913 | 1430564.8365 |
| 169 | | 2256368.6263 | 1430530.3536 |
| 172 | | 2256387.9621 | 1430546.5638 |
| 173 | | 2256405.2376 | 1430561.7507 |
| 174 | | 2256416.4164 | 1430553.5849 |
| 175 | | 2256416.4164 | 1430571.7314 |
| 176 | | 2256432.4164 | 1430571.7314 |
| 177 | | 2256432.4164 | 1430565.2520 |
| 178 | | 2256440.9258 | 1430561.6906 |
| 179 | | 2256452.9148 | 1430573.0160 |
| 180 | | 2256456.9199 | 1430568.5484 |
| 181 | | 2256468.9365 | 1430567.7257 |
| 182 | | 2256138.1725 | 1430834.0730 |
| 183 | | 2256149.7474 | 1430835.1888 |
| 184 | | 2256186.8828 | 1430794.3128 |
| 185 | | 2256194.6717 | 1430721.5771 |
| 186 | | 2256192.8706 | 1430709.7520 |

| Point Table | | | |
|---|---|---|---|
| Point # | Raw Description | Easting | Northing |
| 187 | | 2256182.1109 | 1430699.3831 |
| 196 | | 2256118.0135 | 1430823.1920 |
| 203 | | 2255529.3679 | 1429684.4187 |
| 204 | | 2255590.9577 | 1429718.9539 |
| 205 | | 2255594.3375 | 1429712.7940 |
| 206 | | 2255532.4276 | 1429678.8398 |
| 207 | | 2255564.0559 | 1429621.1709 |
| 208 | | 2255605.0436 | 1429693.5768 |
| 209 | | 2255599.7675 | 1429720.3342 |
| 210 | | 2255636.2808 | 1429653.7580 |
| 211 | | 2255561.5321 | 1429660.1052 |
| 212 | | 2255601.8532 | 1429682.2170 |
| 222 | | 2255612.2295 | 1429594.6622 |
| 223 | | 2255605.5589 | 1429606.8822 |
| 225 | | 2255579.7402 | 1429597.9808 |
| 226 | | 2255577.2170 | 1429602.3030 |
| 227 | | 2255565.4179 | 1429613.1085 |
| 228 | | 2255563.5569 | 1429617.7745 |
| 229 | | 2255642.9736 | 1429638.4356 |
| 231 | | 2255656.1893 | 1429639.5690 |
| 236 | | 2255545.9953 | 1429583.6471 |
| 237 | | 2255508.7278 | 1429551.0220 |
| 239 | | 2255496.2518 | 1429542.7045 |
| 241 | | 2255480.9264 | 1429575.1665 |
| 242 | | 2255474.6504 | 1429581.2990 |
| 243 | | 2255519.3341 | 1429673.1044 |
| 244 | | 2255519.5508 | 1429685.7682 |
| 245 | | 2255522.6107 | 1429702.4366 |
| 246 | | 2255534.9853 | 1429714.8989 |
| 247 | | 2255572.2506 | 1429735.3369 |
| 248 | | 2255583.8069 | 1429731.9867 |
| 249 | | 2255591.1804 | 1429732.8911 |
| 250 | | 2255594.5007 | 1429740.1810 |
| 251 | | 2255542.1727 | 1429730.6526 |
| 252 | | 2255555.1029 | 1429737.7442 |
| 253 | | 2255542.8793 | 1429731.3592 |
| 254 | | 2255554.1258 | 1429737.5314 |
| 255 | | 2255509.4844 | 1429671.1476 |
| 256 | | 2255499.3118 | 1429678.9726 |
| 257 | | 2255567.0763 | 1429599.8366 |
| 258 | | 2255557.2101 | 1429617.5376 |
| 259 | | 2255466.9471 | 1429583.7519 |
| 260 | | 2255512.1818 | 1429669.8347 |
| 261 | | 2255519.3914 | 1429666.2899 |
| 262 | | 2255522.9257 | 1429673.6286 |
| 263 | | 2255636.6316 | 1429640.7042 |
| 264 | | 2255609.7483 | 1429699.0164 |
| 265 | | 2255099.1566 | 1429633.6281 |
| 266 | | 2255367.6112 | 1429903.9855 |
| 267 | | 2255502.7714 | 1429978.1135 |
| 268 | | 2255875.0508 | 1430059.1635 |
| 269 | | 2255068.0519 | 1429632.1062 |
| 270 | | 2255122.7975 | 1429577.6461 |
| 271 | | 2255099.2988 | 1429553.9808 |
| 272 | | 2255087.2988 | 1429553.9808 |
| 273 | | 2255199.5229 | 1429746.0597 |
| 274 | | 2255220.6610 | 1429767.3476 |
| 275 | | 2255234.7531 | 1429781.5396 |
| 276 | | 2255255.8913 | 1429802.8276 |
| 277 | | 2255331.4797 | 1429897.4192 |
| 278 | | 2255375.3070 | 1429927.6394 |
| 279 | | 2255402.8492 | 1429953.2421 |
| 280 | | 2255411.8109 | 1429965.0504 |
| 281 | | 2255496.4209 | 1429998.2228 |
| 282 | | 2255893.0570 | 1430084.5758 |
| 283 | | 2255901.4406 | 1430046.0678 |
| 284 | | 2255912.0389 | 1430031.4685 |
| 285 | | 2255915.4426 | 1430015.8347 |
| 286 | | 2255648.1248 | 1430017.9462 |
| 287 | | 2255677.4382 | 1430024.3281 |
| 288 | | 2255696.9804 | 1430028.5827 |
| 289 | | 2255726.2937 | 1430034.9646 |

| Point Table | | | |
|---|---|---|---|
| Point # | Raw Description | Easting | Northing |
| 290 | | 2255960.0570 | 1429810.8958 |
| 292 | | 2255905.4197 | 1429761.0819 |
| 293 | | 2255866.2318 | 1429738.9581 |
| 294 | | 2255641.7150 | 1429641.0802 |
| 295 | | 2255391.8619 | 1429527.6700 |
| 296 | | 2255417.2773 | 1429498.9445 |
| 297 | | 2255288.1520 | 1429415.9686 |
| 298 | | 2255252.8025 | 1429402.0540 |
| 299 | | 2255429.1043 | 1429564.9948 |
| 300 | | 2255142.4008 | 1429424.4138 |
| 301 | | 2255127.1016 | 1429412.7611 |
| 302 | | 2255087.3606 | 1429453.8556 |
| 303 | | 2255136.4039 | 1429466.8105 |
| 305 | | 2255163.5112 | 1429351.9147 |
| 306 | | 2255250.2089 | 1429342.9705 |
| 309 | | 2255264.3179 | 1429344.5133 |
| 310 | | 2255356.0706 | 1429377.6875 |
| 313 | | 2255369.1695 | 1429384.9866 |
| 314 | | 2255447.0283 | 1429437.9141 |
| 317 | | 2255458.9035 | 1429447.0594 |
| 318 | | 2255532.0191 | 1429499.2633 |
| 321 | | 2255544.5096 | 1429507.5205 |
| 326 | | 2255714.1080 | 1429602.8789 |
| 329 | | 2255727.6671 | 1429609.2662 |
| 330 | | 2255810.2684 | 1429644.6097 |
| 333 | | 2255824.2789 | 1429649.8645 |
| 334 | | 2255900.2247 | 1429683.3725 |
| 337 | | 2255913.4015 | 1429690.5722 |
| 338 | | 2255323.0927 | 1429423.4186 |
| 339 | | 2255336.2045 | 1429430.7249 |
| 342 | | 2255409.7631 | 1429479.8704 |
| 343 | | 2255421.6692 | 1429488.9851 |
| 346 | | 2255724.6763 | 1429669.4424 |
| 347 | | 2255741.2524 | 1429676.7212 |
| 350 | | 2255825.8461 | 1429710.7739 |
| 351 | | 2255839.6702 | 1429716.8093 |
| 354 | | 2255922.3307 | 1429750.9482 |
| 355 | | 2255915.6094 | 1429761.0395 |
| 356 | | 2255391.4171 | 1429570.3131 |
| 357 | | 2255406.2588 | 1429572.4868 |
| 358 | | 2255430.9200 | 1429597.3228 |
| 359 | | 2255466.1502 | 1429632.8028 |
| 360 | | 2255678.4788 | 1429749.2522 |
| 361 | | 2255727.3341 | 1429759.8897 |
| 362 | | 2255761.5329 | 1429767.3357 |
| 363 | | 2255771.3436 | 1429778.6820 |
| 364 | | 2255927.3823 | 1429818.7941 |
| 365 | | 2255273.7181 | 1429460.2952 |
| 366 | | 2256363.9852 | 1430634.7857 |
| 367 | | 2256365.4179 | 1430640.6121 |
| 368 | | 2256360.7852 | 1430646.9001 |
| 369 | | 2256399.8347 | 1430621.3553 |
| 370 | | 2256394.5696 | 1430618.2422 |
| 371 | | 2256407.1934 | 1430619.6402 |
| 372 | | 2256414.0503 | 1430609.7915 |
| 373 | | 2256470.5130 | 1430667.3630 |
| 374 | | 2256462.8927 | 1430677.1074 |
| 375 | | 2256487.3586 | 1430683.4932 |
| 376 | | 2256342.7363 | 1430533.5459 |
| 378 | | 2255139.2539 | 1429593.1082 |
| 379 | | 2255232.9215 | 1429500.1029 |
| 380 | | 2255408.4107 | 1429864.1779 |
| 381 | | 2255502.0764 | 1429771.1685 |
| 382 | | 2255542.4867 | 1429793.3327 |
| 383 | | 2255514.4085 | 1429922.3118 |
| 384 | | 2255887.6649 | 1430003.5745 |
| 385 | | 2255915.7452 | 1429874.5958 |
| 386 | | 2255621.1975 | 1429554.3483 |
| 391 | | 2255634.2486 | 1429561.6862 |
| 394 | | 2255248.1675 | 1429383.7858 |
| 415 | | 2255931.3251 | 1429750.9834 |
| 416 | | 2255850.0619 | 1430750.4820 |

| Point Table | | | |
|---|---|---|---|
| Point # | Raw Description | Easting | Northing |
| 417 | | 2255860.6251 | 1430735.9052 |
| 418 | | 2255839.3547 | 1430743.3564 |
| 420 | | 2255883.2983 | 1430752.3346 |
| 421 | | 2255880.9600 | 1430773.4095 |
| 422 | | 2255872.4395 | 1430767.3203 |
| 423 | | 2255944.5884 | 1430770.9655 |
| 424 | | 2255941.6081 | 1430772.0555 |
| 425 | | 2255902.0723 | 1430766.5560 |
| 426 | | 2255950.8979 | 1430773.6830 |
| 427 | | 2255929.1104 | 1430747.5973 |
| 428 | | 2255945.1923 | 1430757.5685 |
| 429 | | 2255920.4322 | 1430653.5637 |
| 430 | | 2255909.7877 | 1430683.8540 |
| 432 | | 2256011.5124 | 1430607.7001 |
| 433 | | 2255979.7706 | 1430611.8214 |
| 434 | | 2255997.8785 | 1430615.5974 |
| 435 | | 2255937.4850 | 1430652.1322 |
| 436 | | 2255923.0743 | 1430646.0126 |
| 438 | | 2255932.2315 | 1430649.2278 |
| 439 | | 2255973.8496 | 1430604.9505 |
| 440 | | 2255979.5007 | 1430613.0435 |
| 441 | | 2255952.1946 | 1430776.5936 |
| 443 | | 2255848.2591 | 1430738.4845 |
| 444 | | 2255858.7297 | 1430724.0348 |
| 446 | | 2255894.2835 | 1430749.7977 |
| 449 | | 2256022.7526 | 1430661.9139 |
| 450 | | 2256028.4178 | 1430658.7271 |
| 451 | | 2256034.0830 | 1430655.5403 |
| 452 | | 2256039.7482 | 1430652.3535 |
| 453 | | 2256045.4134 | 1430649.1667 |
| 454 | | 2256027.8674 | 1430704.4804 |
| 455 | | 2256034.1263 | 1430706.2344 |
| 456 | | 2256040.3851 | 1430707.9884 |
| 457 | | 2256046.6440 | 1430709.7424 |
| 458 | | 2256052.9029 | 1430711.4963 |
| 459 | | 2256049.3960 | 1430721.4801 |
| 460 | | 2256043.4151 | 1430718.9347 |
| 461 | | 2256037.4342 | 1430716.3893 |
| 462 | | 2256031.4533 | 1430713.8439 |
| 463 | | 2256025.4724 | 1430711.2986 |
| 464 | | 2256003.6870 | 1430765.7851 |
| 465 | | 2256001.3294 | 1430759.7278 |
| 466 | | 2255998.9718 | 1430753.6704 |
| 467 | | 2255996.6142 | 1430747.6131 |
| 468 | | 2255994.2566 | 1430741.5557 |
| 469 | | 2255976.1408 | 1430786.4849 |
| 470 | | 2255980.5991 | 1430788.6464 |
| 471 | | 2255984.8249 | 1430799.0891 |
| 472 | | 2255987.8648 | 1430793.9468 |
| 473 | | 2256045.5160 | 1430766.8792 |
| 474 | | 2256053.8742 | 1430769.9722 |
| 475 | | 2256061.2922 | 1430763.0318 |
| 476 | | 2256064.6841 | 1430750.6604 |
| 477 | | 2256060.5717 | 1430738.3183 |
| 478 | | 2256055.8365 | 1430724.2210 |
| 479 | | 2256059.6356 | 1430713.3831 |
| 480 | | 2256072.1537 | 1430705.3458 |
| 481 | | 2256083.4095 | 1430692.1489 |
| 482 | | 2256091.7813 | 1430681.0139 |
| 483 | | 2256084.5374 | 1430675.0472 |
| 484 | | 2256077.8904 | 1430671.3261 |
| 485 | | 2256041.2152 | 1430616.0553 |
| 486 | | 2256036.3844 | 1430614.9543 |
| 487 | | 2256051.9613 | 1430611.4162 |
| 488 | | 2256050.2073 | 1430616.4107 |
| 493 | | 2255958.3624 | 1430791.2466 |
| 494 | | 2256050.4713 | 1430621.1787 |
| 495 | | 2256060.6778 | 1430634.7466 |
| 496 | | 2255992.5390 | 1430790.1685 |
| 497 | | 2256016.0792 | 1430782.8087 |
| 498 | | 2256024.9404 | 1430707.1301 |
| 499 | | 2256051.3107 | 1430716.5448 |

| Point Table | | | |
|---|---|---|---|
| Point # | Raw Description | Easting | Northing |
| 500 | | 2255970.7124 | 1430779.7568 |
| 501 | | 2255974.2070 | 1430811.9125 |
| 502 | | 2256008.1010 | 1430837.7840 |
| 503 | | 2256066.5959 | 1429831.7330 |
| 504 | | 2256130.4942 | 1429968.2561 |
| 505 | | 2256102.6106 | 1429929.7555 |
| 506 | | 2256114.9004 | 1429925.5176 |
| 507 | | 2256075.1437 | 1429946.1588 |
| 508 | | 2256061.0711 | 1429881.1447 |
| 509 | | 2256024.4330 | 1429867.9189 |
| 513 | | 2256097.5909 | 1429999.3932 |
| 514 | | 2256107.7851 | 1429988.3892 |
| 516 | | 2256081.7958 | 1429964.6409 |
| 517 | | 2256041.2194 | 1429992.0721 |
| 518 | | 2256038.0708 | 1429994.8389 |
| 523 | | 2256038.9542 | 1430017.0045 |
| 524 | | 2256036.3450 | 1430013.9094 |
| 525 | | 2256029.4493 | 1430030.1122 |
| 526 | | 2256044.9649 | 1429998.3253 |
| 527 | | 2256027.5809 | 1430043.4823 |
| 528 | | 2256044.3913 | 1430022.4475 |
| 529 | | 2256027.7885 | 1430041.9968 |
| 530 | | 2256037.0470 | 1430054.6822 |
| 531 | | 2255912.4644 | 1430029.5143 |
| 532 | | 2255915.0176 | 1430017.7891 |
| 533 | | 2256272.0622 | 1429831.0618 |
| 534 | | 2256279.1532 | 1429867.7239 |
| 535 | | 2256303.4065 | 1429876.7828 |
| 536 | | 2256338.0882 | 1429867.7892 |
| 537 | | 2256054.5125 | 1429916.0502 |
| 538 | | 2255925.9184 | 1429754.5813 |
| 539 | | 2256103.8730 | 1429880.2788 |
| 540 | | 2256092.1977 | 1429885.9962 |
| 541 | | 2256094.6594 | 1429892.9639 |
| 542 | | 2256094.9755 | 1429920.9726 |
| 543 | | 2256088.6994 | 1429896.7225 |
| 544 | | 2256080.3709 | 1430852.4517 |
| 546 | | 2256228.5350 | 1431001.7010 |
| 547 | | 2256285.6750 | 1431010.9950 |
| 548 | | 2256137.4388 | 1431159.1498 |
| 549 | | 2256465.6515 | 1431060.9532 |
| 550 | | 2256466.8565 | 1431055.4161 |
| 551 | | 2256478.3797 | 1431063.6823 |
| 552 | | 2256479.5678 | 1431058.1416 |
| 555 | | 2256124.1009 | 1430834.1654 |
| 556 | | 2256169.0873 | 1430690.3512 |
| 557 | | 2256519.7657 | 1431168.6963 |
| 558 | | 2256417.8155 | 1431057.3090 |
| 559 | | 2256395.4981 | 1431429.5682 |
| 560 | | 2256366.7909 | 1431535.7562 |
| 561 | | 2256036.9861 | 1430640.1169 |
| 562 | | 2255992.3444 | 1430767.2245 |
| 563 | | 2255927.0098 | 1430732.1413 |
| 564 | | 2256027.9411 | 1430616.8106 |
| 565 | | 2255863.9575 | 1429739.8127 |
| 566 | | 2255962.2147 | 1429810.3892 |
| 567 | | 2256100.2594 | 1430505.7489 |
| 568 | | 2256257.3196 | 1430505.3809 |
| 569 | | 2256276.7034 | 1430412.8709 |
| 570 | | 2256107.2215 | 1430358.1756 |
| 571 | | 2256069.9241 | 1430459.6193 |
| 572 | | 2255637.3203 | 1429639.4486 |
| 573 | | 2255550.1536 | 1429611.4257 |
| 574 | | 2255501.2698 | 1429586.2190 |
| 575 | | 2256084.0270 | 1429872.6691 |
| 576 | | 2256099.5873 | 1429945.0316 |
| 578 | | 2256083.1117 | 1429838.9357 |
| 579 | | 2256161.8549 | 1429838.1110 |
| 580 | | 2256262.9661 | 1429840.4793 |
| 581 | | 2256216.1137 | 1429772.2004 |
| 582 | | 2256123.8001 | 1429924.9060 |
| 583 | | 2256251.8815 | 1429820.8991 |

| Point Table | | | |
|---|---|---|---|
| Point # | Raw Description | Easting | Northing |
| 584 | | 2255945.0272 | 1430667.5549 |
| 585 | | 2255937.7389 | 1430688.3126 |
| 586 | | 2255927.3673 | 1429960.6568 |
| 587 | | 2256316.7550 | 1430627.3292 |
| 588 | | 2255942.1456 | 1430760.5336 |
| 589 | | 2255924.5009 | 1430706.2404 |
| 590 | | 2255945.8927 | 1430645.3083 |
| 591 | | 2255931.8234 | 1430676.0197 |
| 592 | | 2255993.0059 | 1430613.7320 |
| 593 | | 2255670.8468 | 1430850.1407 |
| 594 | | 2255650.7976 | 1430848.4001 |
| 595 | | 2255224.0002 | 1430825.2466 |
| 596 | | 2255203.9510 | 1430823.5060 |
| 597 | | 2255036.2903 | 1430449.1907 |
| 598 | | 2255030.7695 | 1430429.8381 |
| 599 | | 2255308.6593 | 1430810.5374 |
| 600 | | 2255287.7242 | 1430714.8869 |
| 601 | | 2254968.3375 | 1430693.9788 |
| 602 | | 2254970.4033 | 1430554.9841 |
| 603 | | 2255102.0393 | 1430246.9370 |
| 604 | | 2255055.2376 | 1430133.4342 |
| 605 | | 2255179.5470 | 1430159.8138 |
| 606 | | 2255173.4351 | 1430140.6398 |
| 607 | | 2255262.1724 | 1430149.0817 |
| 608 | | 2255371.7693 | 1430180.8646 |
| 609 | | 2255389.8887 | 1430172.1074 |
| 610 | | 2255173.4845 | 1430024.1548 |
| 611 | | 2255171.6674 | 1430004.1124 |
| 612 | | 2255089.3915 | 1430020.2415 |
| 613 | | 2254990.9732 | 1429958.0244 |
| 614 | | 2255059.7796 | 1429772.2819 |
| 615 | | 2255064.3629 | 1429867.9526 |
| 616 | | 2255088.6963 | 1429700.8147 |
| 617 | | 2255086.8792 | 1429680.7723 |
| 618 | | 2255304.2922 | 1430049.2686 |
| 619 | | 2255634.8367 | 1430209.5984 |
| 620 | | 2255785.4104 | 1430220.2918 |
| 621 | | 2256110.0516 | 1430042.3244 |
| 622 | | 2256099.7542 | 1430106.2766 |
| 623 | | 2256127.2733 | 1430276.2360 |
| 624 | | 2256118.8823 | 1430294.5278 |
| 625 | | 2256278.1868 | 1430386.7331 |
| 626 | | 2256210.5586 | 1430338.6289 |
| 627 | | 2256262.8230 | 1430103.0482 |
| 628 | | 2256271.7787 | 1430085.0261 |
| 629 | | 2256233.1984 | 1430554.8934 |
| 630 | | 2256215.1766 | 1430545.9371 |
| 631 | | 2255842.7655 | 1430668.8809 |
| 632 | | 2255668.0475 | 1430545.0184 |
| 633 | | 2255027.5857 | 1430447.6069 |
| 634 | | 2255039.7553 | 1430431.5788 |
| 635 | | 2255993.2830 | 1430722.2846 |
| 636 | | 2256054.6115 | 1430717.0605 |

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GEORGIA REGISTERED LA001672 LANDSCAPE ARCHITECT AARON J. ST. PIERRE 1/4/19

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| . | . | . |
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| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |

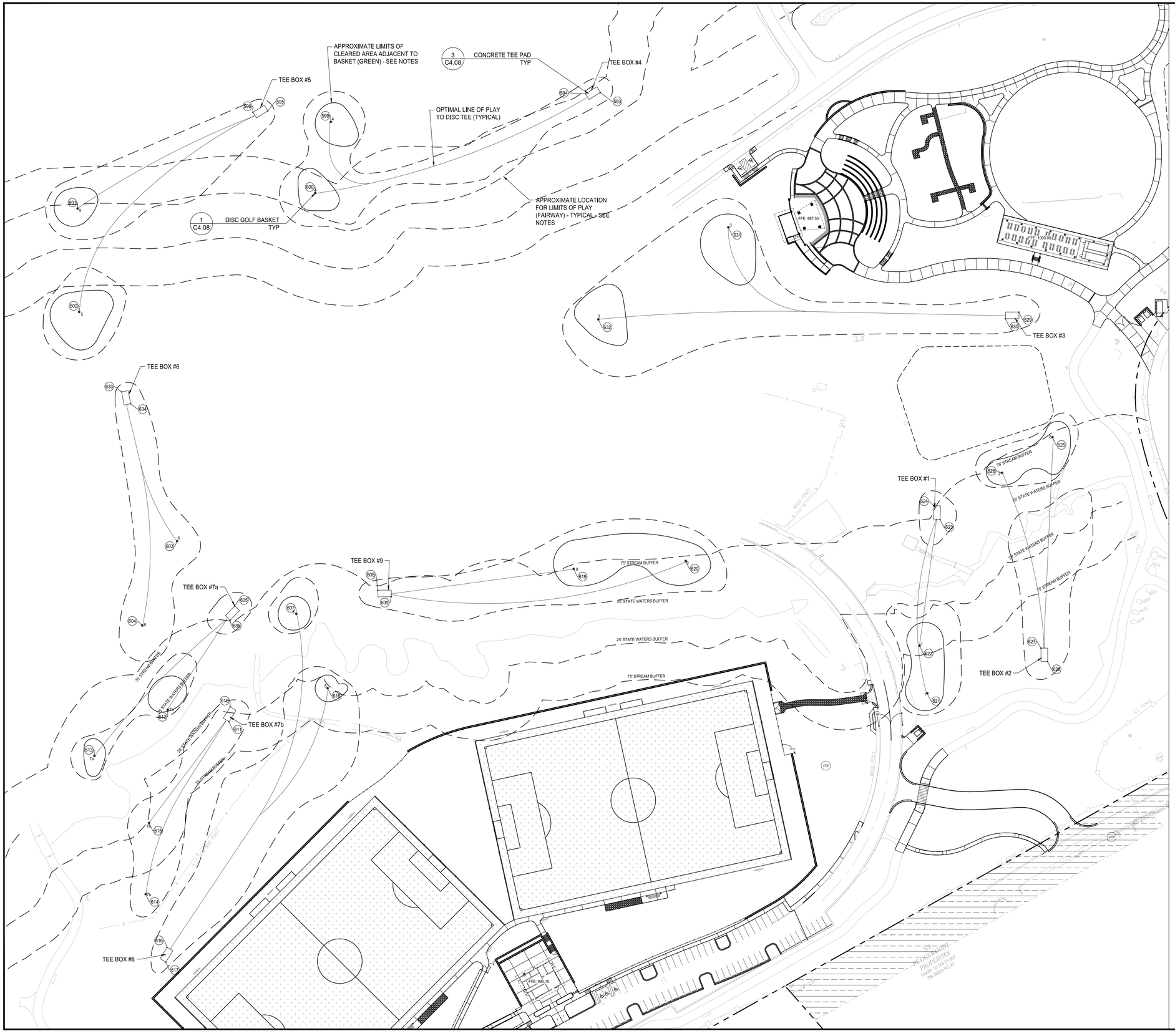
SHEET TITLE

COORDINATE POINT TABLE

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE NTS |
| CHECKED BY JG | |

SHEET NO.

C1.09

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001672 1/4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

SHEET TITLE

DISC GOLF LAYOUT PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY MB | |

SHEET NO.

C1.10

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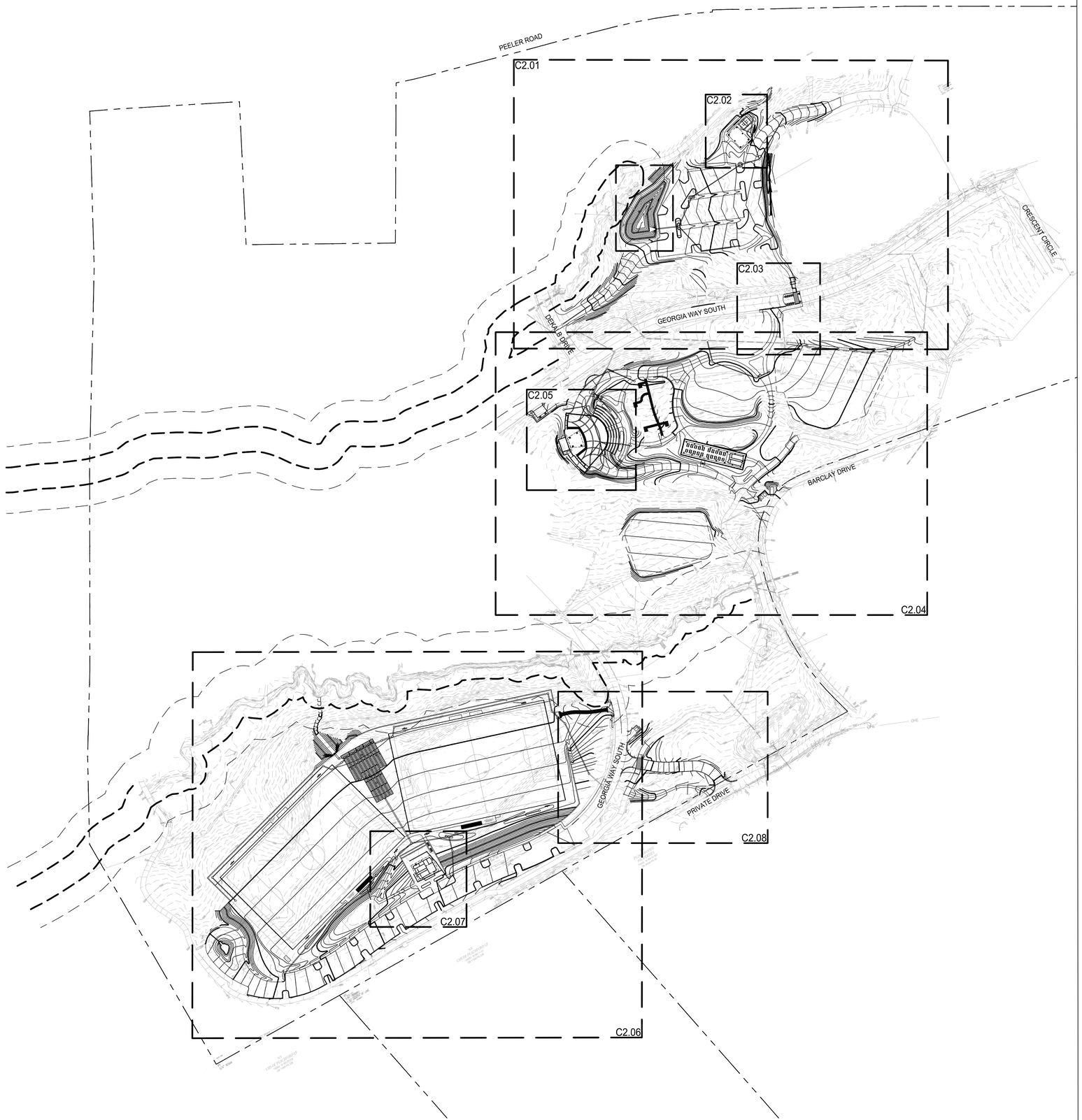


## LEGEND

| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 ——X | PROPOSED SPOT ELEVATION |
| ← 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |

## GRADING NOTES:

1. TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNERS REPRESENTATIVE. DRAINAGE SHALL ROUTE AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT LOSS OF TOPSOIL MATERIAL.
2. UNSUITABLE SOILS SHALL BE UNIFORMLY SPREAD ACROSS NON-STRUCTURAL FILL AREAS AND COVERED WITH TOPSOIL AND SEEDED.
3. FILL AREAS SHALL BE PROOF-ROLLED WITH RUBBER-TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF FIFTEEN TONS PRIOR TO BEGINNING FILL OPERATION. AREAS WHICH ARE SOFT OR UNSTABLE SHALL BE UNDERCUT UNTIL STABLE SOILS ARE FOUND. RECOMPACTION OF THESE SOILS, TO THE DENSITY SPECIFIED IN THE PROJECT SPECIFICATIONS, WILL BE ALLOWED UNDER THE DIRECTION OF A QUALIFIED SOILS ENGINEER.
4. CUT AREA SHALL BE PROOF-ROLLED AFTER FINAL SUB GRADE IS ACHIEVED IN THE SAME MANNER AS FILL AREAS. SOFT OR UNSTABLE SOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12" AND RECOMPACTED TO THE DENSITY SPECIFIED IN THE PROJECT SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
5. THE FOLLOWING SOIL COMPACTION RATES WILL BE REQUIRED:
   A. 95 PERCENT MAXIMUM DRY DENSITY FOR OPEN AREAS AND GENERAL EMBANKMENTS.
   B. 98 PERCENT MAXIMUM DRY DENSITY UNDER ROADS, PARKING, TRAILS, SIDEWALKS, BLDG SLABS, AND FOUNDATIONS.
6. ALL FILL AREAS SHALL BE RAISED IN LIFTS NOT EXCEEDING 6 INCHES.
7. ALL GRADING SHALL BE COMPLETED TO THE LEVEL INDICATED BY THE SCOPE OF WORK LISTED IN THE BID DOCUMENTS.
8. ALL AREAS WILL BE GRADED TO PROVIDE PROPER DRAINAGE AND PREVENT STANDING WATER.
9. GRADING SHOWN IS TO FINISHED GRADE.
10. CONTRACTOR RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS COMPARED TO THOSE SHOWN ON PLAN PRIOR TO GRADING. NOTIFY OWNER'S REPRESENTATIVE IF DISCREPANCIES ARE FOUND.
11. THE SUITABILITY OF SOILS SHALL BE DETERMINED BY A QUALIFIED SOILS ENGINEER EMPLOYED BY THE OWNER. ALL DECISIONS RENDERED BY THE SOILS ENGINEER, RELATED TO SOIL SUITABILITY, SHALL BE FINAL.
12. AREAS FOR CONSTRUCTION THAT REQUIRE DE-WATERING FOR EXCAVATION WILL BE DONE AT NO ADDITIONAL COST TO THE CITY.

## UTILITY NOTE:

UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, DESIGNER, OR THEIR REPRESENTATIVES. BEFORE YOU DIG, CALL GEORGIA 811 (1-800-282-7411).

THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.

## CITY OF DUNWOODY NOTES

1. CONTACT THE CITY OF DUNWOODY PLANNER/ARBORIST AT 678-382-6810 TO DETERMINE IF A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE IS REQUIRED. ALL REQUIRED TREE FENCE MUST BE INSTALLED PRIOR TO THIS MEETING.
2. UNDISTURBED BUFFERS SHALL BE PLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED DUE TO APPROVED UTILITY CROSSINGS. REPLANTING IS SUBJECT TO CITY PLANNER/ARBORIST APPROVAL. (DO NOT PLANT TREES WITHIN SANITARY SEWER EASEMENT).
3. CALL BEFORE YOU DIG (800) 282-7411.

## ADDITIONAL NOTES

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

0 120 240 360

SCALE: 1" = 120 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE014517 PROFESSIONAL ENGINEER 01/04/19 PETTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
| CONFORM SET 04-29-2019 | |

SHEET TITLE

GRADING PLAN SHEET KEY

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=120' |
| CHECKED BY JG | |
| SHEET NO. C2.00 | |

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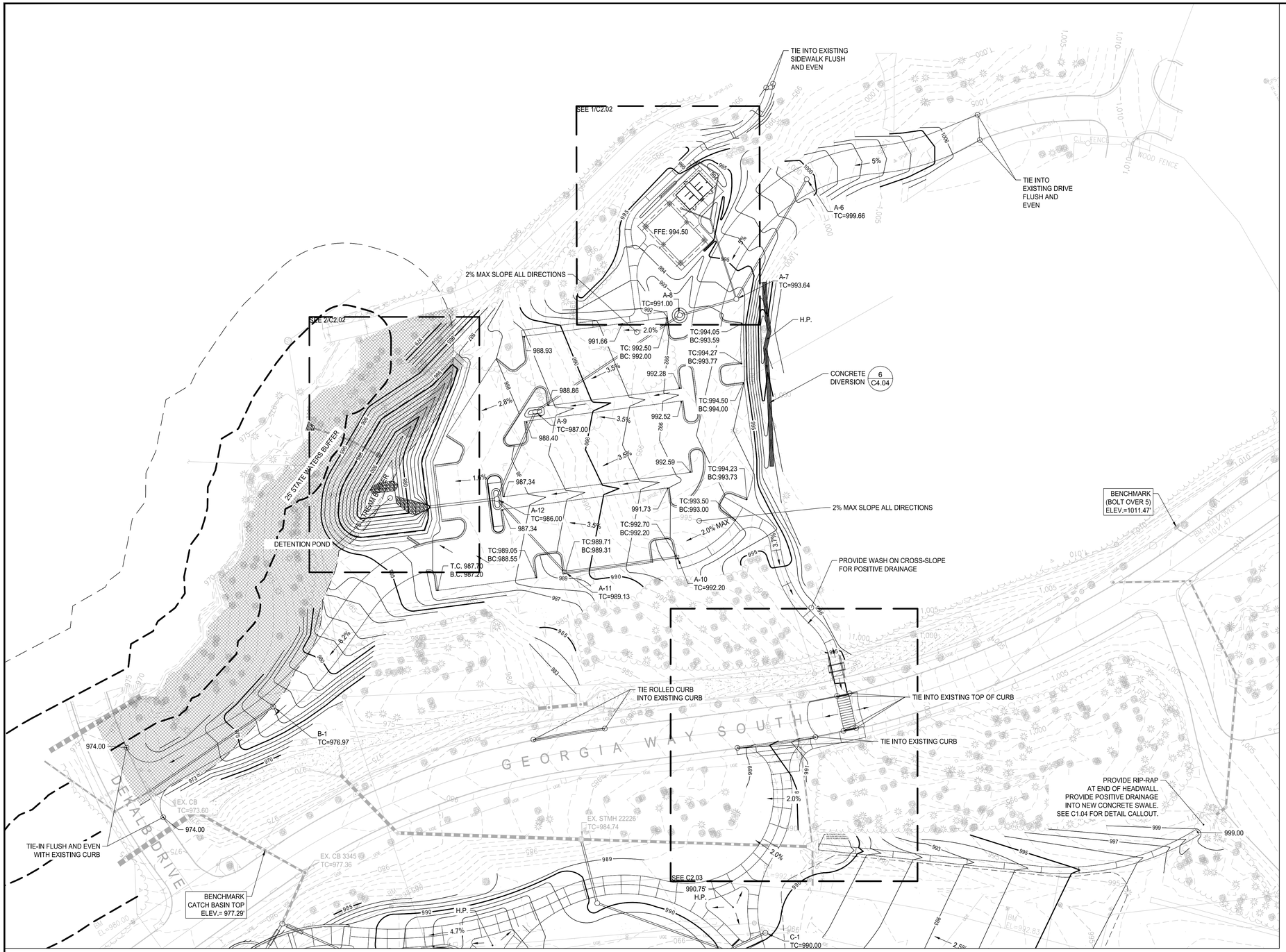


## LEGEND

| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 —X | PROPOSED SPOT ELEVATION |
| ← 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN SPACES FOR LIFE.

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED, AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.

GEORGIA REGISTERED No. PE011517 PROFESSIONAL ENGINEER 01/04/19 PETTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

CONFORM SET 04-29-2019

SHEET TITLE

GRADING PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |
| SHEET NO. C2.01 | |

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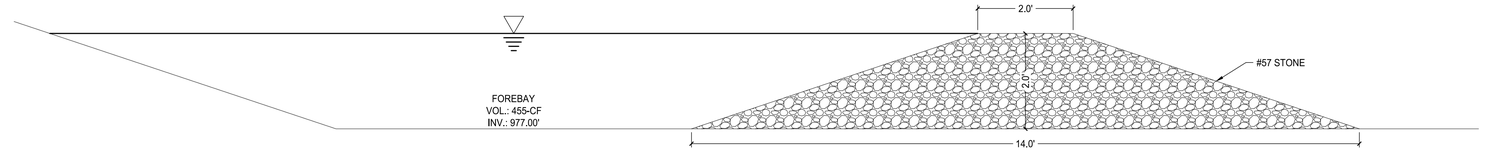
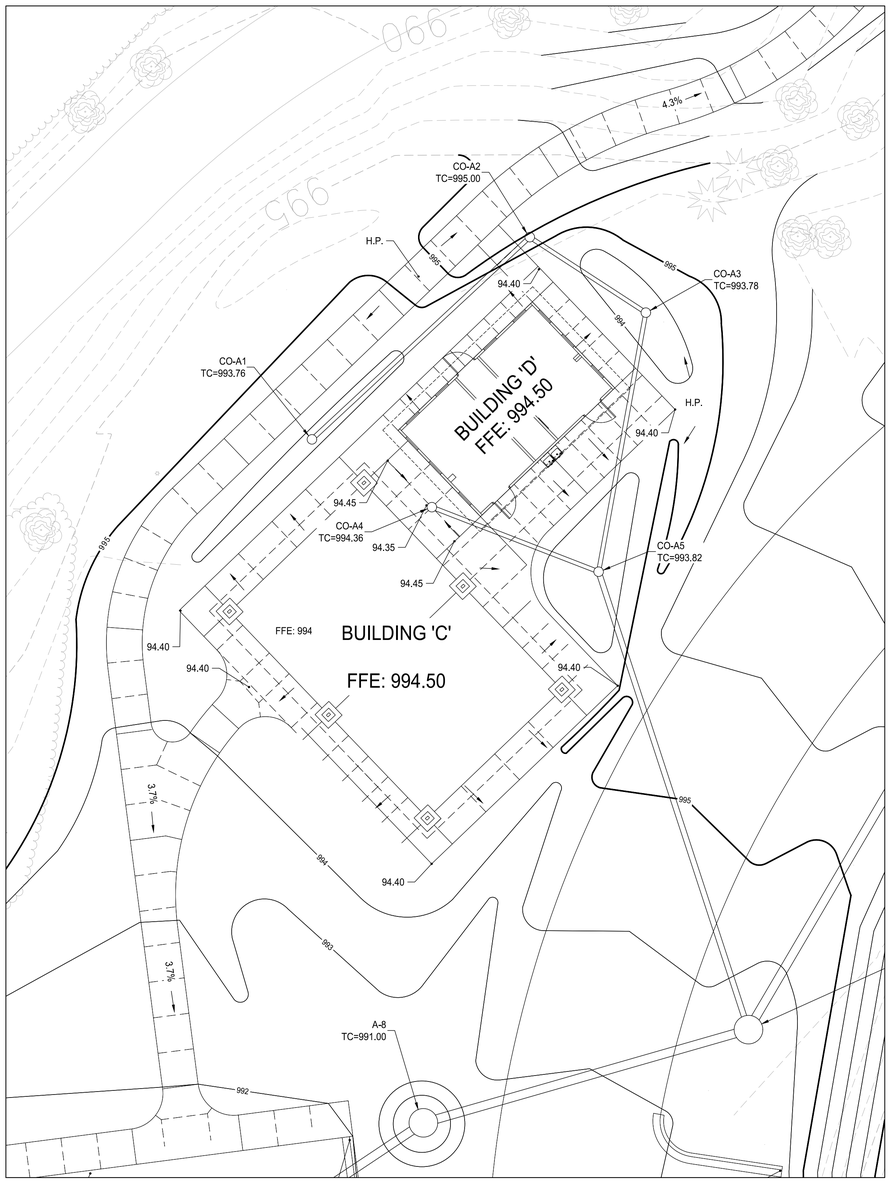
## LEGEND

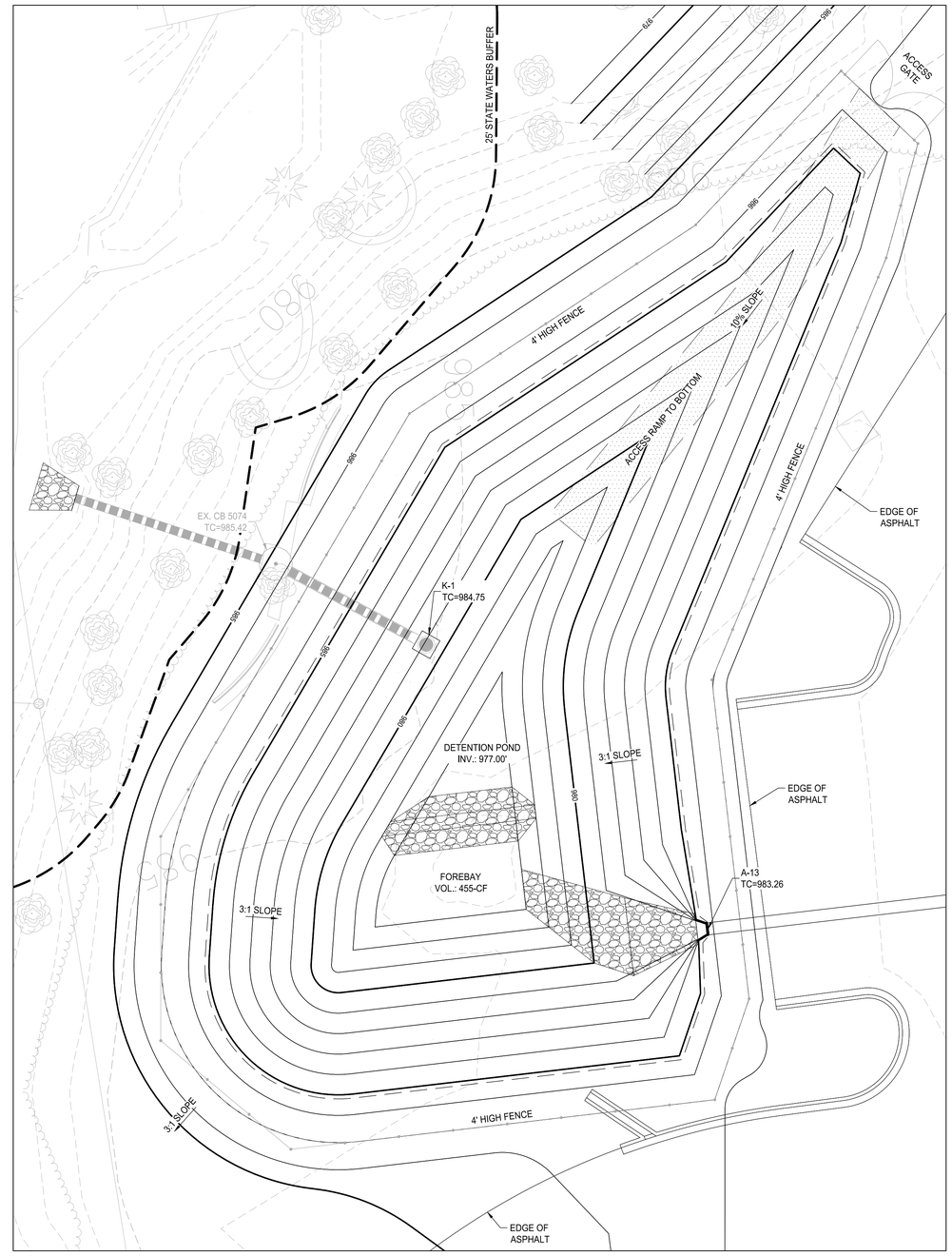
| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 —X | PROPOSED SPOT ELEVATION |
| ← 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |




3 DETENTION POND FOREBAY
SCALE: NOT TO SCALE




1 NORTH PICNIC AND RESTROOM AREA
SCALE: 1" = 10'




2 PARKING LOT AREA DETENTION POND
SCALE: 1" = 10'

0 10 20 30
SCALE: 1" = 10 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE041517 PROFESSIONAL ENGINEER 01/04/19 PETTON IRL LINGLE

GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
| CONFORM SET 04-29-2019 | |

SHEET TITLE
GRADING PLAN ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=10' |
| CHECKED BY JG | |
| SHEET NO. C2.02 | |

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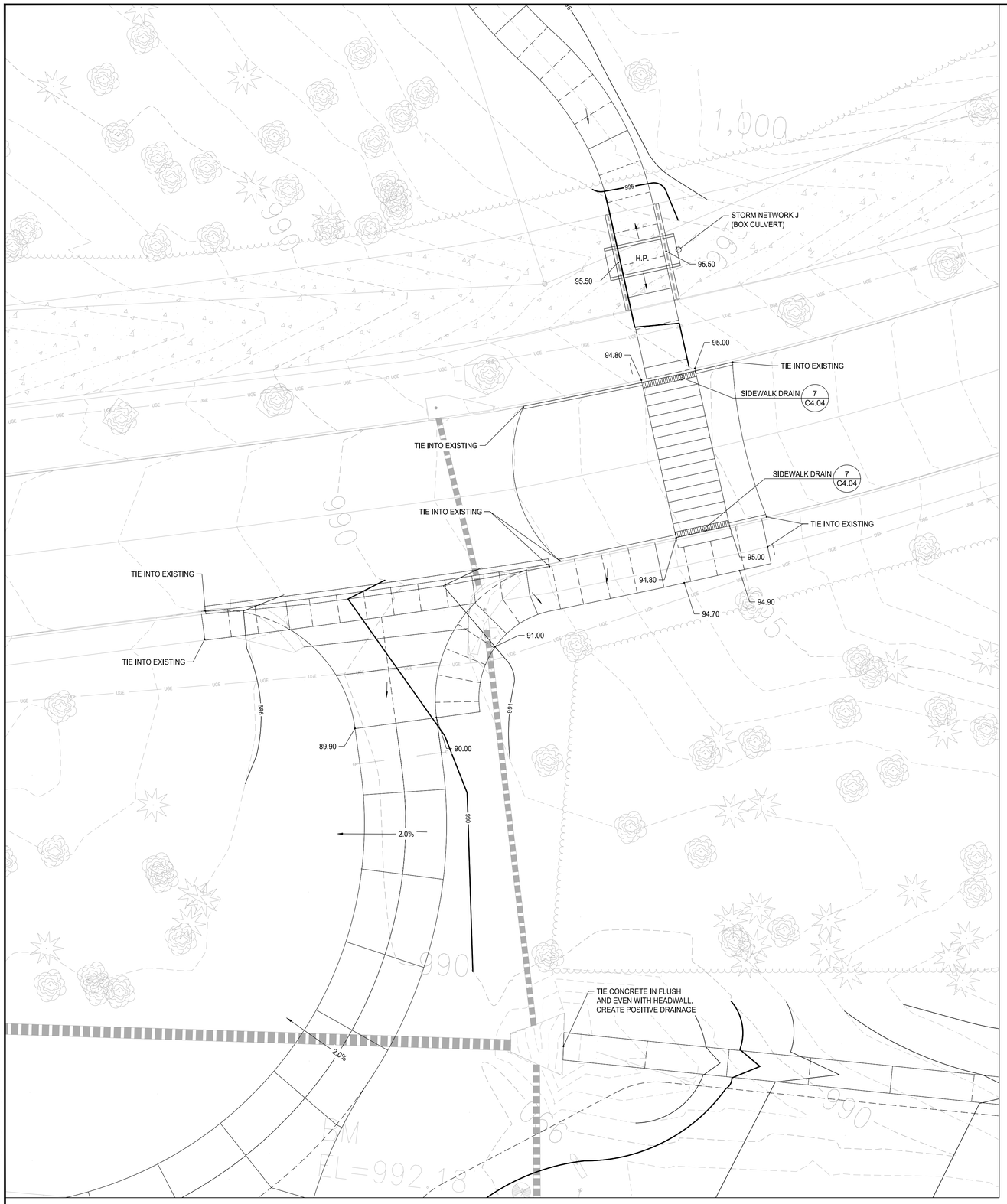


1 INTERSECTION AT GEORGIA WAY SOUTH

SCALE: 1" = 10'

## LEGEND

| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 —X | PROPOSED SPOT ELEVATION |
| ← 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |

0 10 20 30

SCALE: 1" = 10 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE041517 PROFESSIONAL ENGINEER PEYTON IRL LINGLE 01/04/19

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

| SUBMITTALS / REVISIONS | | |
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| CONFORM SET 04-29-2019 | | |

SHEET TITLE

GRADING PLAN ENLARGEMENT

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=10' |
| CHECKED BY JG | |
| SHEET NO. C2.03 | |

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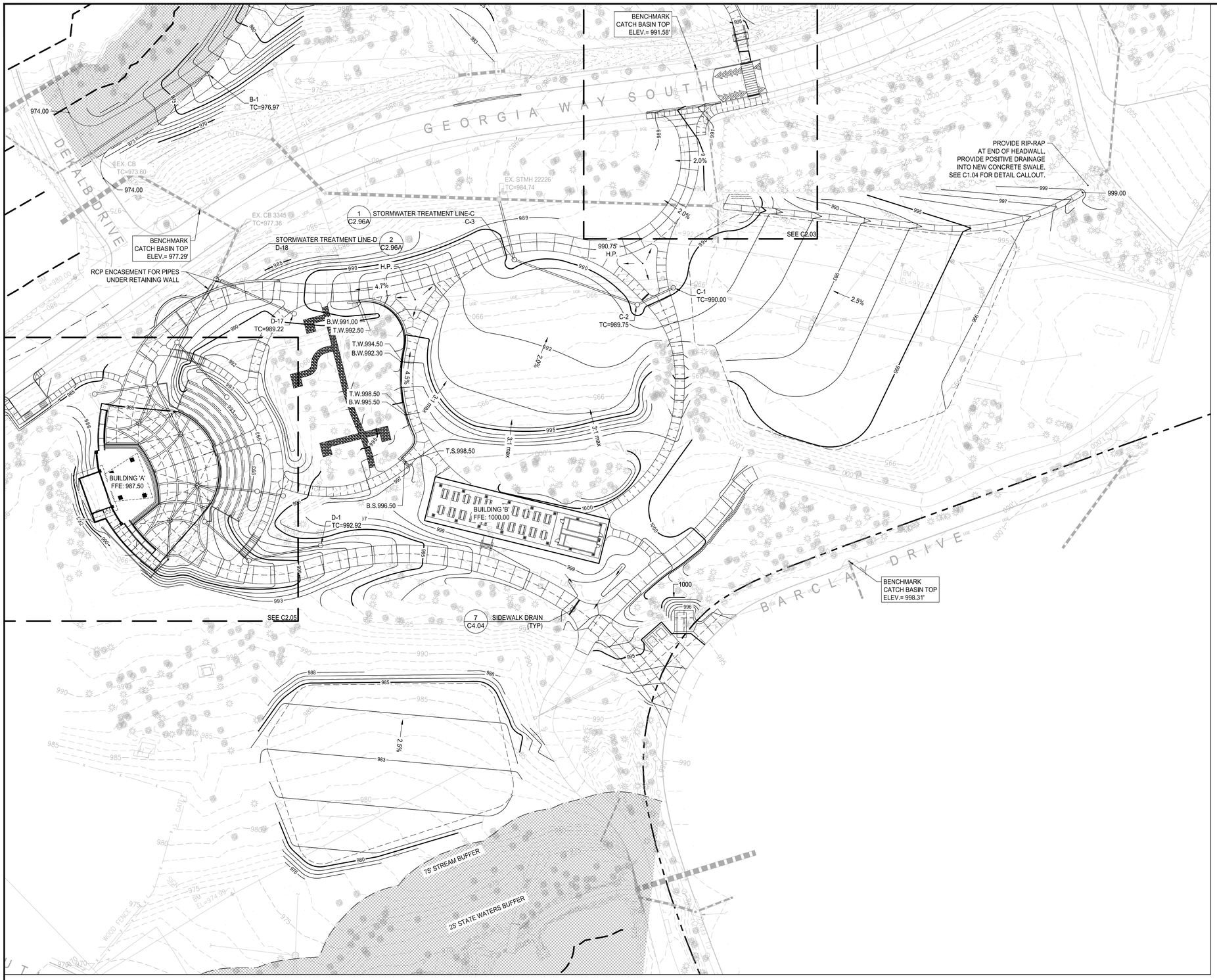


## LEGEND

| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 —X | PROPOSED SPOT ELEVATION |
| ← 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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CONFORM SET 04-29-2019

SHEET TITLE

GRADING PLAN

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |
| SHEET NO. C2.04 | |

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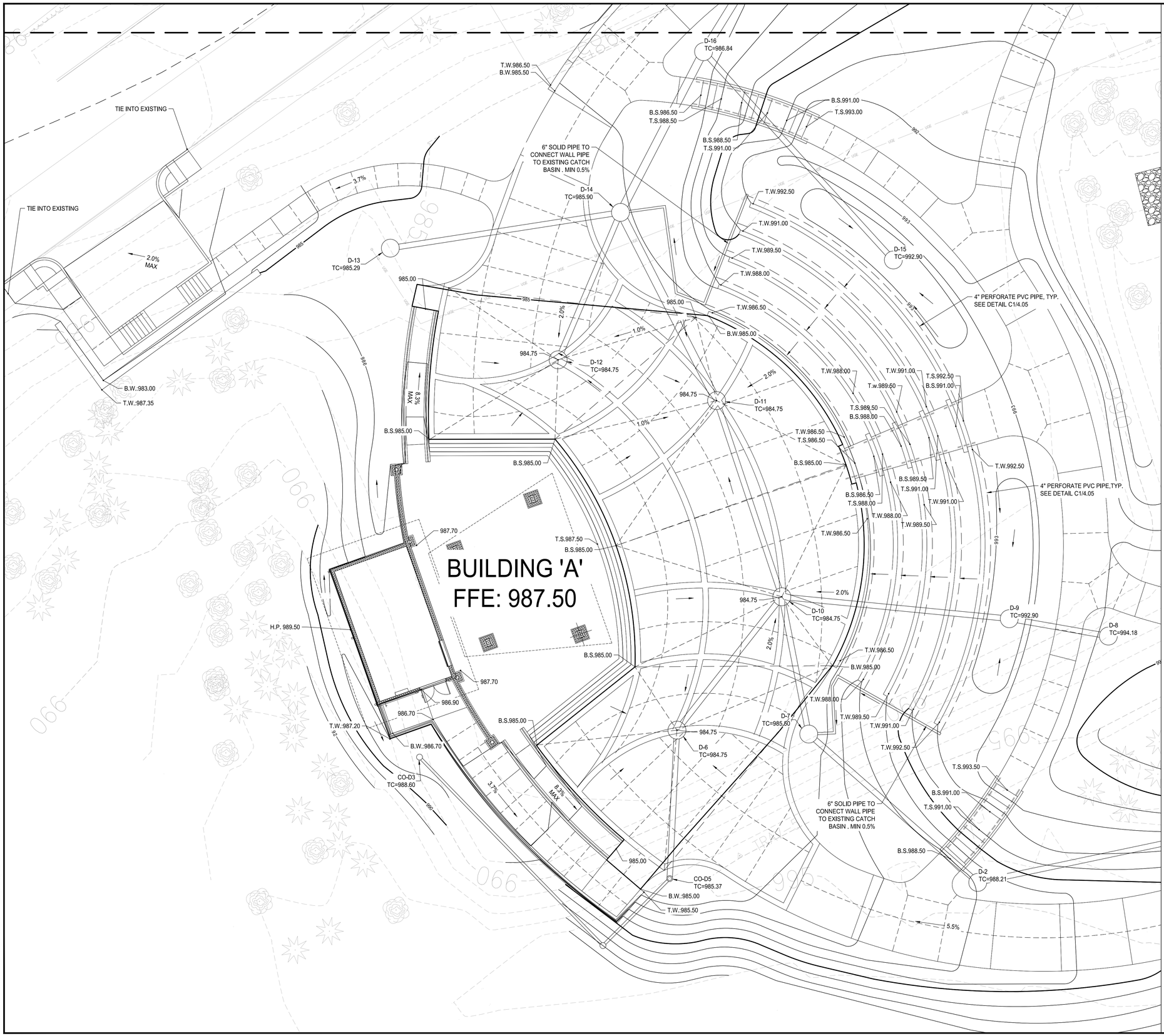


## LEGEND

| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 —X | PROPOSED SPOT ELEVATION |
| ← 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |

0 10 20 30

SCALE: 1" = 10 '

LOSE DESIGN
SPACES FOR LIFE.

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# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| R1 | 02/22/2019 | REVISED FOR BID |
| CONFORM SET 04-29-2019 | | |

SHEET TITLE

GRADING PLAN ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=10' |
| CHECKED BY JG | |
| SHEET NO. C2.05 | |

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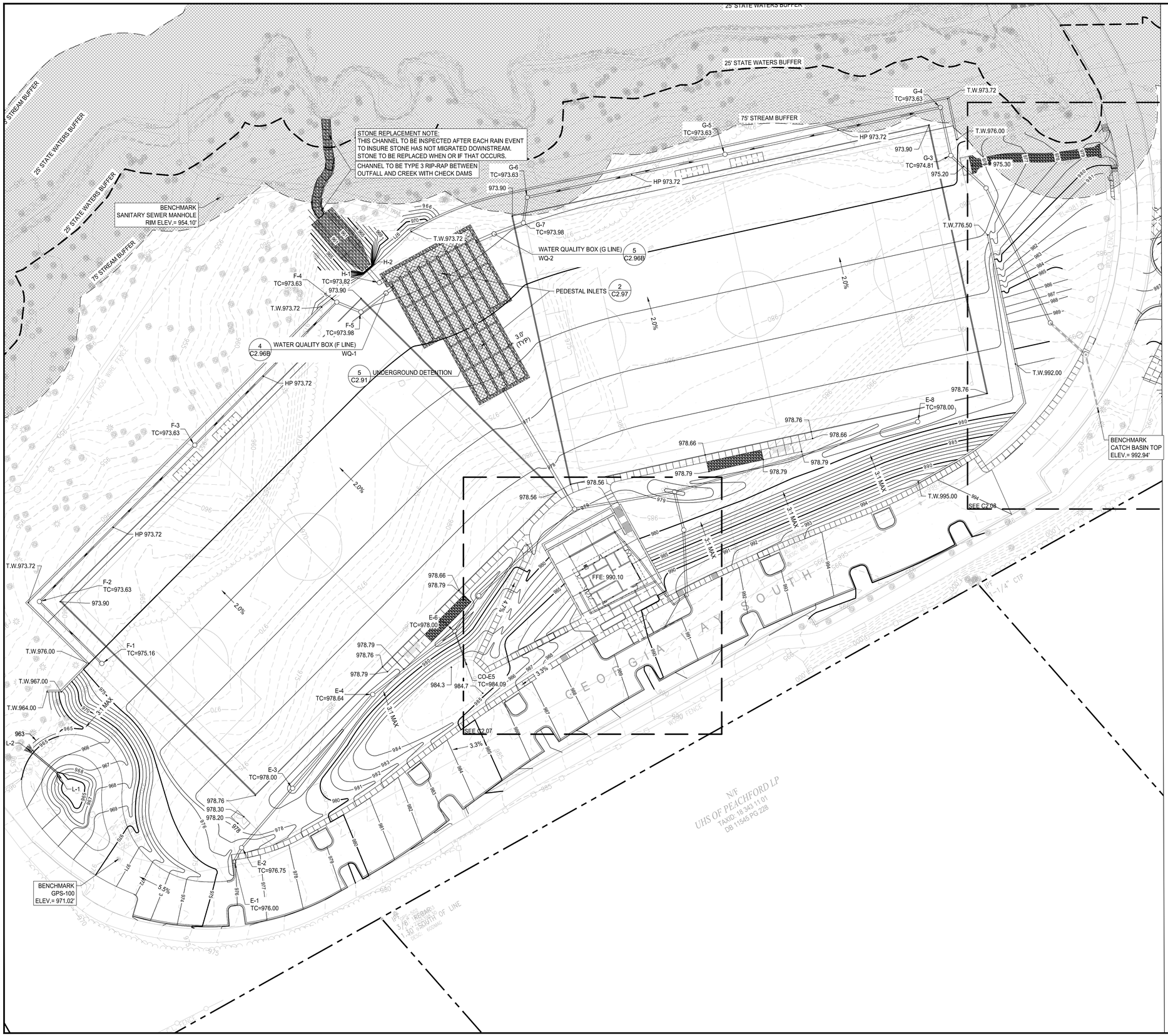
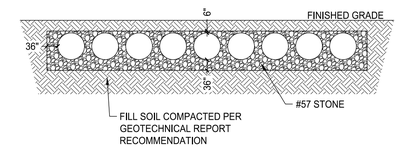



## LEGEND

| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 —X | PROPOSED SPOT ELEVATION |
| ← 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |




### UNDERGROUND DETENTION STORAGE POND CONSTRUCTION DETAIL

NOT TO SCALE

NOTES:
1. SEE 5/C2.91 FOR MANUFACTURER DETAIL
2. SEE STORMWATER MANAGEMENT REPORT FOR MINIMUM CAPACITY

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| R1 | 02/22/2019 | REVISED FOR BID |

CONFORM SET 04-29-2019

SHEET TITLE

GRADING PLAN

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |
| SHEET NO. C2.06 | |

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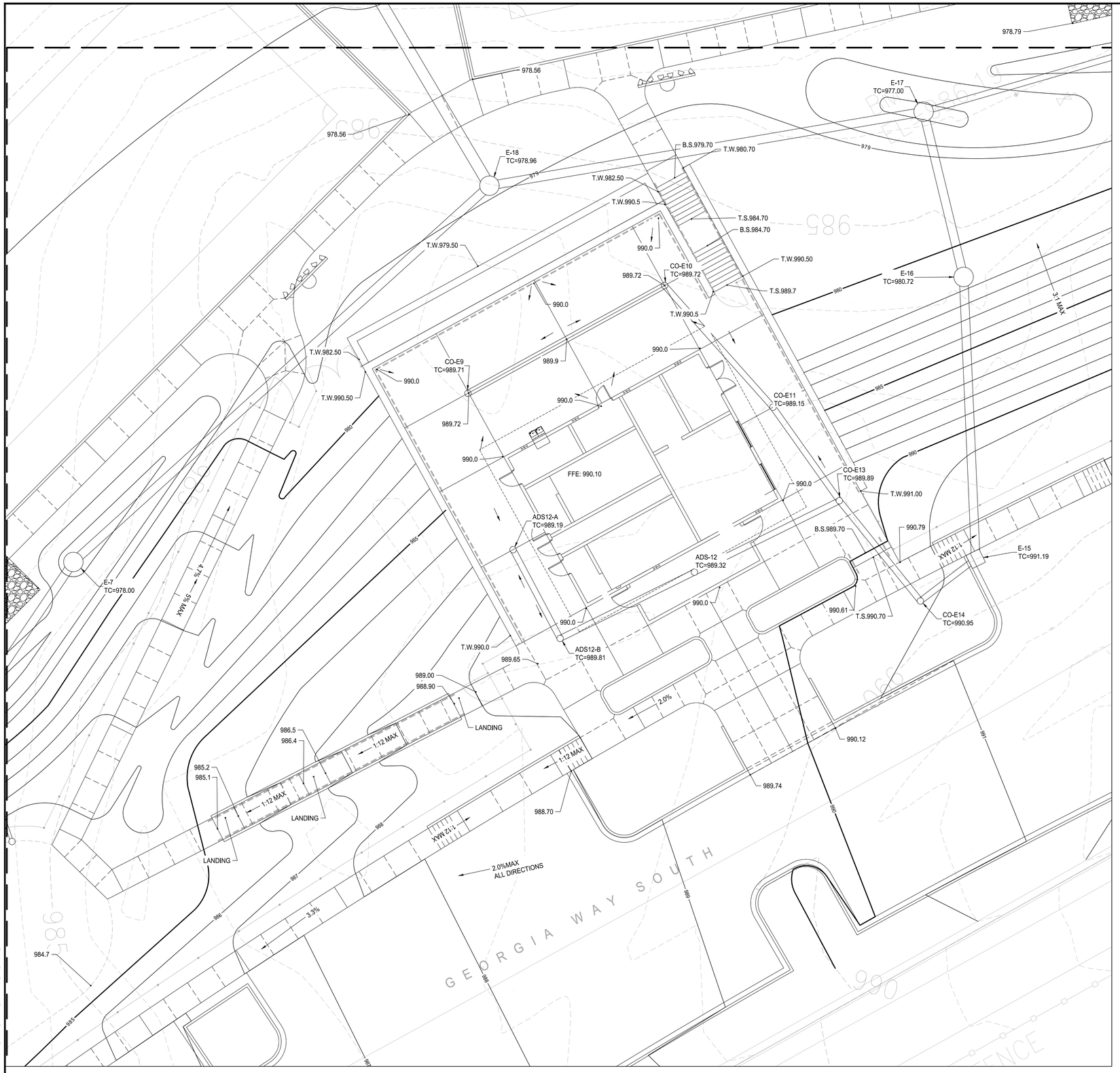


1 CONCESSION AREA AT SOCCER COMPLEX

SCALE: 1" = 20'

## LEGEND

| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 —X | PROPOSED SPOT ELEVATION |
| 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |

0 10 20 30

SCALE: 1" = 10 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE041517 PROFESSIONAL ENGINEER 01/04/19 PETTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

CONFORM SET 04-29-2019

SHEET TITLE

GRADING PLAN ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY LC/TF | SCALE 1"=10' |
| CHECKED BY MB | |
| SHEET NO. C2.07 | |

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1 DRIVEWAY
SCALE: 1" = 20'

## LEGEND

| | |
|---|---|
| 470 | PROPOSED CONTOUR LINE |
| (470) | EXISTING FIELD RUN SURVEY CONTOUR LINE |
| TP-1048.21 ——X | PROPOSED SPOT ELEVATION |
| ← 1% | PROPOSED SLOPE GRADIENT DRAINAGE FLOW ARROW (1%, UNLESS OTHERWISE INDICATED) |

GRADING NOTES:

1. TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNER'S REPRESENTATIVE. DRAINAGE SHALL ROUTE AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT LOSS OF TOPSOIL MATERIAL.
2. UNSUITABLE SOILS SHALL BE UNIFORMLY SPREAD ACROSS NON-STRUCTURAL FILL AREAS AND COVERED WITH TOPSOIL AND SEEDED.
3. FILL AREAS SHALL BE PROOF-ROLLED WITH RUBBER-TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF FIFTEEN TONS PRIOR TO BEGINNING FILL OPERATION. AREAS WHICH ARE SOFT OR UNSTABLE SHALL BE UNDERCUT UNTIL STABLE SOILS ARE FOUND. RECOMPACTION OF THESE SOILS, TO THE DENSITY SPECIFIED IN THE PROJECT SPECIFICATIONS, WILL BE ALLOWED UNDER THE DIRECTION OF A QUALIFIED SOILS ENGINEER.
4. CUT AREA SHALL BE PROOF-ROLLED AFTER FINAL SUB GRADE IS ACHIEVED IN THE SAME MANNER AS FILL AREAS. SOFT OR UNSTABLE SOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12" AND RECOMPACTED TO THE DENSITY SPECIFIED IN THE PROJECT SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
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6. ALL FILL AREAS SHALL BE RAISED IN LIFTS NOT EXCEEDING 6 INCHES.
7. ALL GRADING SHALL BE COMPLETED TO THE LEVEL INDICATED BY THE SCOPE OF WORK LISTED IN THE BID DOCUMENTS.
8. ALL AREAS WILL BE GRADED TO PROVIDE PROPER DRAINAGE AND PREVENT STANDING WATER.
9. GRADING SHOWN IS TO FINISHED GRADE.
10. CONTRACTOR RESPONSIBLE FOR VERIFYING EXISTING ELEVATIONS COMPARED TO THOSE SHOWN ON PLAN PRIOR TO GRADING. NOTIFY OWNER'S REPRESENTATIVE IF DISCREPANCIES ARE FOUND.
11. THE SUITABILITY OF SOILS SHALL BE DETERMINED BY A QUALIFIED SOILS ENGINEER EMPLOYED BY THE OWNER. ALL DECISIONS RENDERED BY THE SOILS ENGINEER, RELATED TO SOIL SUITABILITY, SHALL BE FINAL.
12. AREAS FOR CONSTRUCTION THAT REQUIRE DE-WATERING FOR EXCAVATION WILL BE DONE AT NO ADDITIONAL COST TO THE CITY.

UTILITY NOTE:

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THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.

ADDITIONAL NOTES

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ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

CITY OF DUNWOODY NOTES

1. CONTACT THE CITY OF DUNWOODY PLANNER/ARBORIST AT 678-382-6810 TO DETERMINE IF A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE IS REQUIRED. ALL REQUIRED TREE FENCE MUST BE INSTALLED PRIOR TO THIS MEETING.
2. UNDISTURBED BUFFERS SHALL BE PLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED DUE TO APPROVED UTILITY CROSSINGS. REPLANTING IS SUBJECT TO CITY PLANNER/ARBORIST APPROVAL. (DO NOT PLANT TREES WITHIN SANITARY SEWER EASEMENT).
3. CALL BEFORE YOU DIG (800) 282-7411.

0 20 40 60
SCALE: 1" = 20 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE011517 PROFESSIONAL ENGINEER 01/04/19 PEYTON IRL LINGLE

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

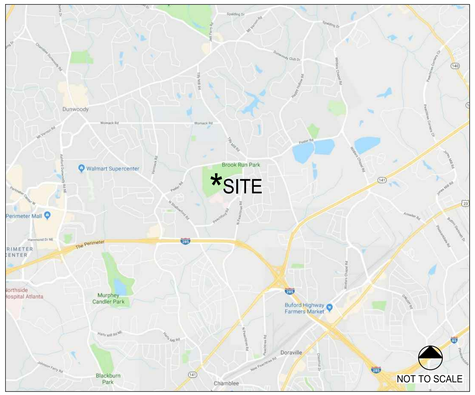
CONFORM SET 04-29-2019

SHEET TITLE
GRADING PLAN ENLARGEMENT

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=20' |
| CHECKED BY JG | |

SHEET NO.
C2.08

O:\17302\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C200_GRADING_SERIES.dwg – Printed on 2019-04-29 at 4:30:14 PM.




VICINITY MAP

CITY OF DUNWOODY NOTES:

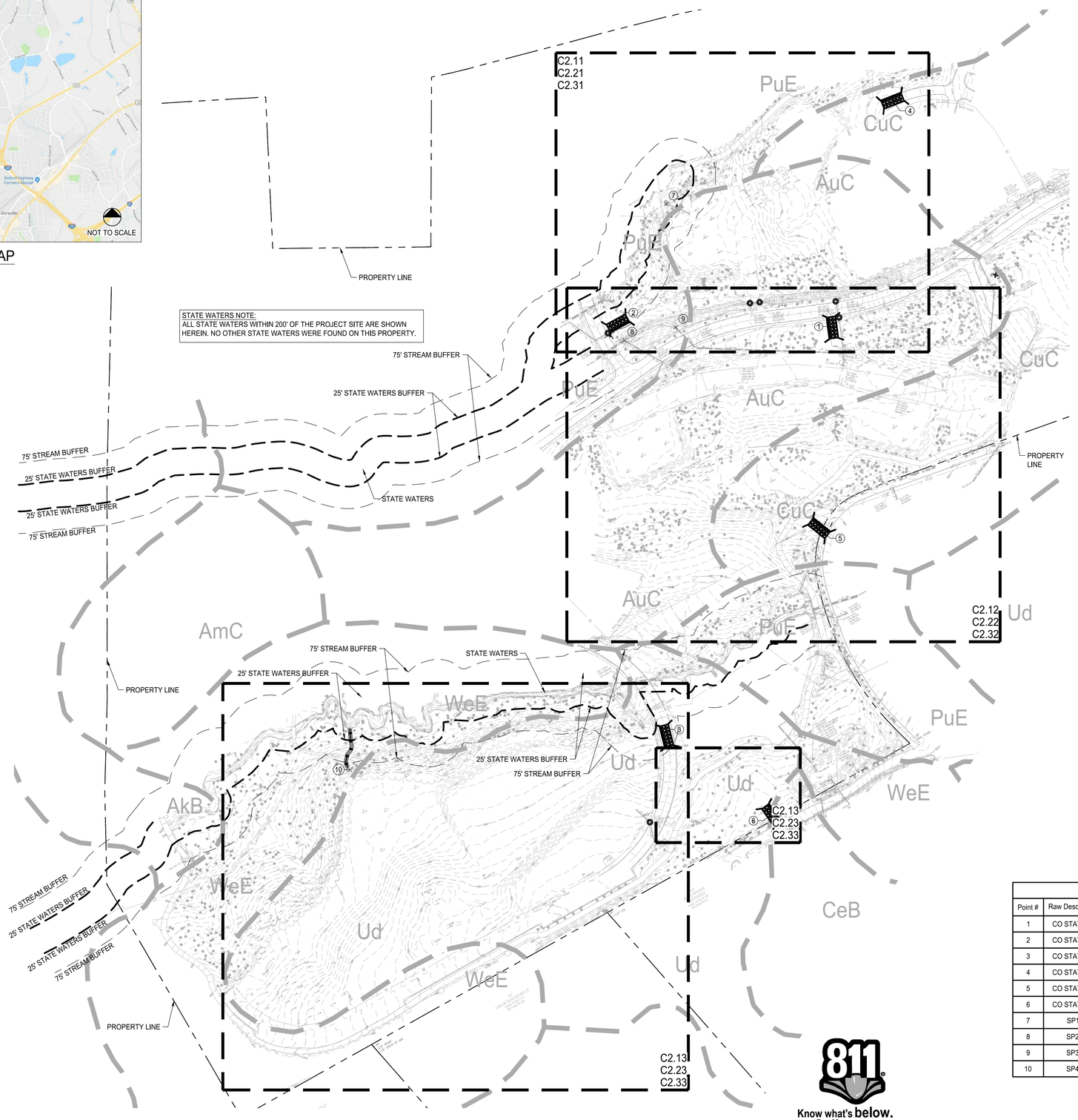
1. CONTACT THE CITY OF DUNWOODY PLANNER/ARBORIST AT 678-382-6810 TO DETERMINE IF A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE IS REQUIRED. ALL REQUIRED TREE FENCE MUST BE INSTALLED PRIOR TO THIS MEETING.
2. UNDISTURBED BUFFERS SHALL BE PLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED DUE TO APPROVED UTILITY CROSSINGS. REPLANTING IS SUBJECT TO CITY PLANNER/ARBORIST APPROVAL. (DO NOT PLANT TREE WITHIN SANITARY SEWER EASEMENT). *NOTE: THE ONLY ALLOWABLE DISTURBANCE IN THE BUFFER IS FROM THE BRIDGE CONSTRUCTION. THOSE DISTURBED AREAS (DUE TO THE BRIDGE CONSTRUCTION) MUST BE RE-VEGETATED. THERE IS NO UTILITY CROSSINGS PROPOSED WITH THIS PROJECT.
3. CALL BEFORE YOU DIG (800) 282-7411.
4. PROVISIONS FOR TREE PROTECTION ON THE SITE SHALL BE, AS A MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CITY OF DUNWOODY TREE PRESERVATION ORDINANCE, ZONING ORDINANCE AND ADMINISTRATIVE GUIDELINES PERTAINING TO TREE PROTECTION.
5. IF THE LANDSCAPE DESIGN AND PLANT MATERIAL ARE CHANGED FROM THE PERMITTED PLAN, THREE (3) SETS OF REVISED PLANS SHALL BE SUBMITTED TO THE CITY OF DUNWOODY ARBORIST'S OFFICE FOR APPROVAL, PRIOR TO ANY LANDSCAPE INSTALLATION.
6. ALL LANDSCAPING FOR EACH PHASE OF DEVELOPMENT SHALL BE COMPLETED PRIOR TO THE RECORDING OF THE FINAL PLAT FOR THAT PHASE, PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY FOR THAT PHASE, OR PRIOR TO CONNECTION OF PERMANENT POWER FOR THAT PHASE. CONTACT THE CITY OF DUNWOODY AT 678-382-6800 FOR SITE INSPECTION UPON COMPLETION OF LANDSCAPE INSTALLATION.

IMPAIRED STREAM SEGMENT NOTE:
BEING LOCATED ADJACENT TO, AND DISCHARGING STORM WATER INTO AN IMPAIRED STREAM SEGMENT, THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CLAUSE: NPDES PERMIT NO GAR100003, PART III, SECTION C.2.
IN ORDER TO ENSURE THAT THE PERMITTEE'S DISCHARGES DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF STATE WATER QUALITY STANDARDS, THE PLAN MUST INCLUDE THE FOLLOWING BEST MANAGEMENT PRACTICES (BMPS) FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGEMENT:

- (D) A LARGE SIGN (MINIMUM 4 FEET X 8 FEET) MUST BE POSTED ON SITE BY THE ACTUAL START DATE OF CONSTRUCTION. THE SIGN MUST BE VISIBLE FROM A PUBLIC ROADWAY. THE SIGN MUST IDENTIFY THE FOLLOWING: (1) CONSTRUCTION SITE, (2) THE PERMITTEE(S), (3) THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S), AND (4) THE PERMITTEE-HOSTED WEBSITE WHERE THE PLAN CAN BE VIEWED MUST BE PROVIDED ON THE SUBMITTED NOI. THE SIGN MUST REMAIN ON SITE AND THE PLAN MUST BE AVAILABLE ON THE PROVIDED WEBSITE UNTIL A NOT HAS BEEN SUBMITTED.
- (L) USE MULCH FILTER BERMS, IN ADDITION TO A SILT FENCE, ON THE SITE PERIMETER WHEREVER CONSTRUCTION STORM WATER (INCLUDING SHEET FLOW) MAY BE DISCHARGED. MULCH FILTER BERMS CANNOT BE PLACED IN WATERWAYS OR AREAS OF CONCENTRATED FLOW.
- (P) CONDUCT SOIL TESTS TO IDENTIFY AND TO IMPLEMENT SITE-SPECIFIC FERTILIZER NEEDS.
- (U) CONDUCT INSPECTIONS DURING THE INTERMEDIATE GRADING AND DRAINAGE BMP PHASE AND DURING THE FINAL BMP PHASE OF THE PROJECT BY THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN IN ACCORDANCE WITH SECTION IV.A.5 OF THE PERMIT. THE PRIMARY PERMITEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN TO CONDUCT THE INSPECTIONS OF THE INTERMEDIATE AND FINAL BMP PHASES.

THE SOIL EROSION AND SEDIMENT CONTROL ORDINANCE REQUIRES THAT A 25 FOOT BUFFER ADJACENT TO ALL STATE WATERS BE MAINTAINED. AN EXCEPTION IS GRANTED TO HOME OWNERS WHO PERFORM MINOR LAND DISTURBING ACTIVITIES SUCH AS HOME LANDSCAPING, HOME GARDENS, REPAIRS AND MAINTENANCE WORK.

STATE WATERS NOTE:
ALL STATE WATERS WITHIN 200' OF THE PROJECT SITE ARE SHOWN HEREIN. NO OTHER STATE WATERS WERE FOUND ON THIS PROPERTY.




## EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
2. DISTURBED AREAS LEFT IDLE FOR MORE THAN FIVE DAYS, AND NOT TO FINAL GRADE, WILL BE ESTABLISHED TO TEMPORARY VEGETATION (DS2). MULCH, TEMPORARY VEGETATION OR PERMANENT VEGETATION SHALL BE COMPLETED ON ALL EXPOSED AREAS WITHIN 14 DAYS AFTER DISTURBANCE. ALL AREAS TO FINAL GRADE WILL BE ESTABLISHED TO PERMANENT VEGETATION IMMEDIATELY UPON COMPLETION.
3. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
4. MULCH WILL BE USED AS A TEMPORARY COVER. CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER (DOES NOT APPLY TO RETAINING WALLS), AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS.
5. THE LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON-SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A COUNTY ROAD OR STREET.
6. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. PLEASE CALL WITH ENOUGH LEAD-TIME FOR AN INSPECTION TO MEET YOUR SCHEDULE.
7. SEDIMENT AND EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE-HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
8. EROSION CONTROL PRACTICES MUST COMPLY WITH THE MINIMUM BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND SHALL COMPLY WITH THE STANDARDS/SPECIFICATIONS IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
9. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE.
10. THE USE OF POLYMERS (PAMS) IS ACCEPTED AS A BMP AS RECOMMENDED BY THE STATE SOIL & WATER CONSERVATION COMMISSION BMP "GREEN BOOK".
11. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
12. NO CLEARING OF THE SITE UNTIL ALL BASINS, DIVERSIONS, AND SEDIMENT CONTROLS ARE INSTALLED, STABILIZED, AND FUNCTIONAL.

## SEEDING NOTE THIS CONTRACT

**Ds2**

SEED ALL DISTURBED AREAS (BOTH THOSE FROM PREVIOUS GRADING OPERATIONS, AND DISTURBANCES DURING THIS CONTRACT) NOT RECEIVING SPRIGGING OR SODDING (SEE LANDSCAPE PLANS) AS A PART OF THIS CONTRACT. THESE AREAS INCLUDE OPEN AREAS, DETENTION BASINS, AREAS OF FUTURE PAVING, PARKING LOTS, & ROADS. SEED SPECIES DEPEND UPON DATE OF COMPLETION.

NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE BERMUDA GRASS @ 75 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC. TO BE FOLLOWED WITH BERMUDA MAR. - SEPT.. APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

**Ds3**

UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT THE APPROXIMATE RATE DETERMINED BY THE LABORATORY SOIL TEST.
UNIFORMLY SPREAD THE FERTILIZER SELECTED OVER THE GROUND AT APPROXIMATELY 1,200 LBS/ACRE (1350 KG/HA). IF USING A HIGHER ANALYSIS FERTILIZER WITH HYDROSEEDING, APPLY IT AT THE SAME RATE PER ACRE (HECTARE) AS THE STANDARD FERTILIZER.
EVENLY APPLY STRAW MULCH IMMEDIATELY AFTER SEEDING BETWEEN 3/4 IN AND 1-1/2 IN (20 MM and 40 MM) DEEP, ACCORDING TO THE TEXTURE AND MOISTURE CONTENT OF THE MULCH MATERIAL. MULCH SHALL ALLOW SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE AS WELL AS SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE.

NRCS SOILS TYPE LEGEND

| | |
|---|---|
| AkB | ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| AmC | APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES |
| AuC | APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| CeB | CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| CuC | CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| PuE | PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES |
| Ud | URBAN LAND |
| WeE | WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES |

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

PRIMARY PERMITTEE / OWNER & 24-HR. EMERGENCY CONTACT:
CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
BRENT WALKER
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
(678) 382-6700
24 HR. EMERGENCY CONTACT:
BRENT WALKER - (678) 382-6857
BRENT.WALKER@DUNWOODYGA.GOV

NATURE OF CONSTRUCTION ACTIVITY:
CONSTRUCTION OF RECREATIONAL FACILITIES FOR THE CITY OF DUNWOODY.

THERE ARE NO ON-SITE WETLANDS WITHIN 200 FEET OF THE PROJECT SITE.

Point Table

| Point # | Raw Description | Latitude | Longitude |
|---|---|---|---|
| 1 | CO STATION | N033.933729 | W084.299055 |
| 2 | CO STATION | N033.933753 | W084.300654 |
| 3 | CO STATION | N033.931189 | W084.300291 |
| 4 | CO STATION | N033.935139 | W084.298608 |
| 5 | CO STATION | N033.932479 | W084.299154 |
| 6 | CO STATION | N033.930698 | W084.299510 |
| 7 | SP1 | N033.934496 | W084.300302 |
| 8 | SP2 | N033.933648 | W084.300609 |
| 9 | SP3 | N033.933729 | W084.300229 |
| 10 | SP4 | N033.930974 | W084.302653 |

811 Know what's below. Call before you dig.

0 120 240 360
SCALE: 1" = 120 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER PEYTON IRL LINGLE No. PE041517 01/04/19

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| G1 | 01/29/2019 | GASWCC COMMENTS |
| A1 | 02/15/2019 | CLIENT EXCHANGED BMPS |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |

CONFORM SET 04-29-2019

SHEET TITLE
ESPC PLAN SHEETS KEY

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=120' |
| CHECKED BY PL | |
| SHEET NO. C2.10 | |

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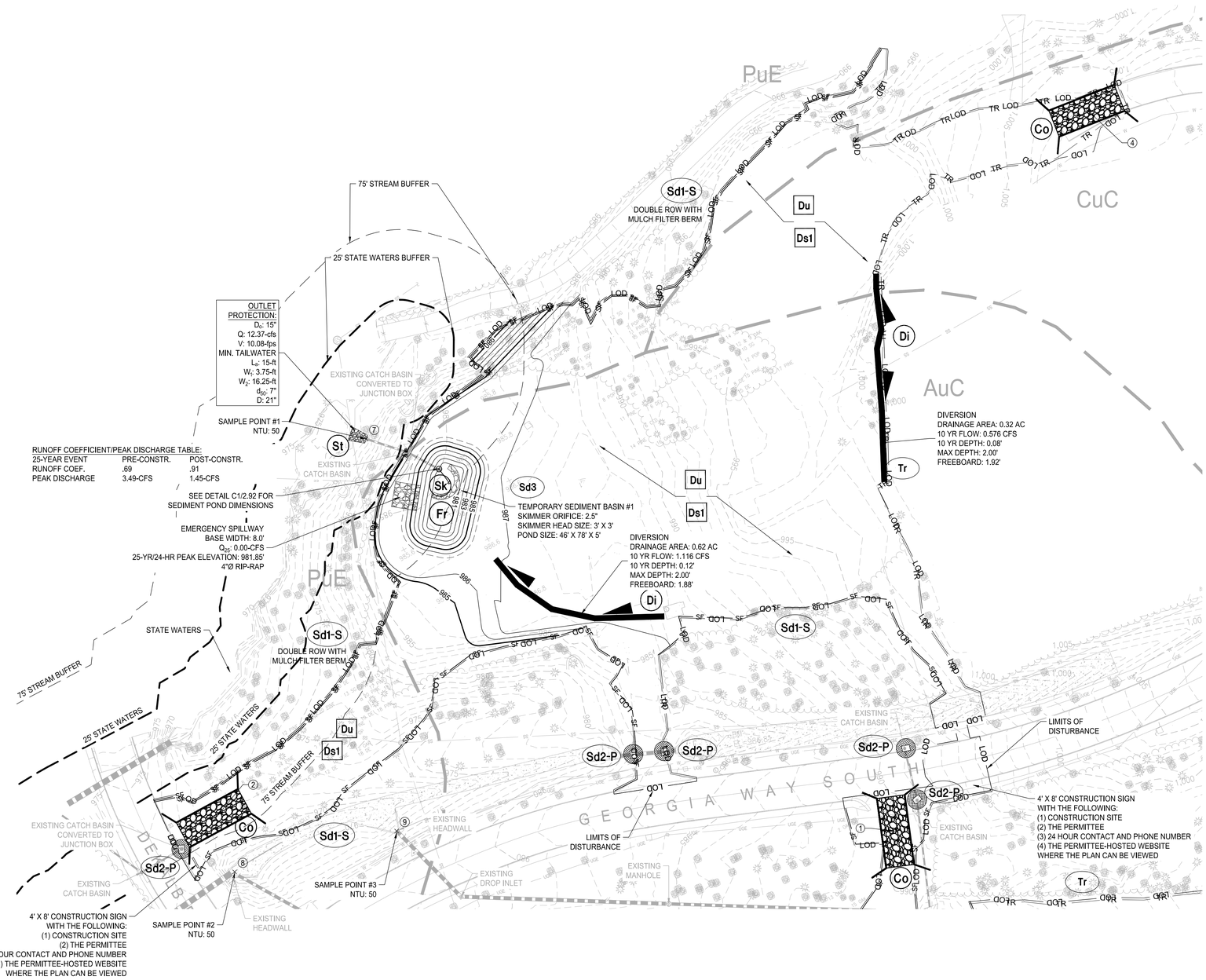


## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
1. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.
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- Co — CONSTRUCTION EXIT (2/C2.90)
- SF — Sd1-S — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (1/C2.90)
- TR — Tr — TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (4/C2.91)
- LOD — LIMITS OF CONSTRUCTION/ DISTURBANCE
- Du — DUST CONTROL ON DISTURBED AREAS (2/C2.93)
- Ds1 — TEMPORARY DISTURBED AREA STABILIZATION (1/C2.93)
- St — STORM DRAIN OUTLET PROTECTION (3/C2.90)
- Fr — TEMPORARY FILTER RING (7/C2.90)
- Sd3 — TEMPORARY SEDIMENT BASIN #1 (1/C2.92)
- Di — DIVERSION BERM (3/C2.93)
- Sk — FLOATING SURFACE SKIMMER (3/C2.91)
- Sd2-P — CURB INLET SEDIMENT TRAP (5/C2.90)
- SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION )

| NRCS SOILS TYPE LEGEND | |
|---|---|
| AkB | ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES |
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| WeE | WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES |

EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

SEE NOTES ON SHEETC2.10 FOR ADDITIONAL INFORMATION.

PRIMARY PERMITTEE / OWNER & 24-HR. EMERGENCY CONTACT:
CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
BRENT WALKER
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
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SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| G1 | 01/29/2019 | GASWCC COMMENTS |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| CONFORM SET 04-29-2019 | | |

SHEET TITLE
ESPC PHASE 1

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.11 | |

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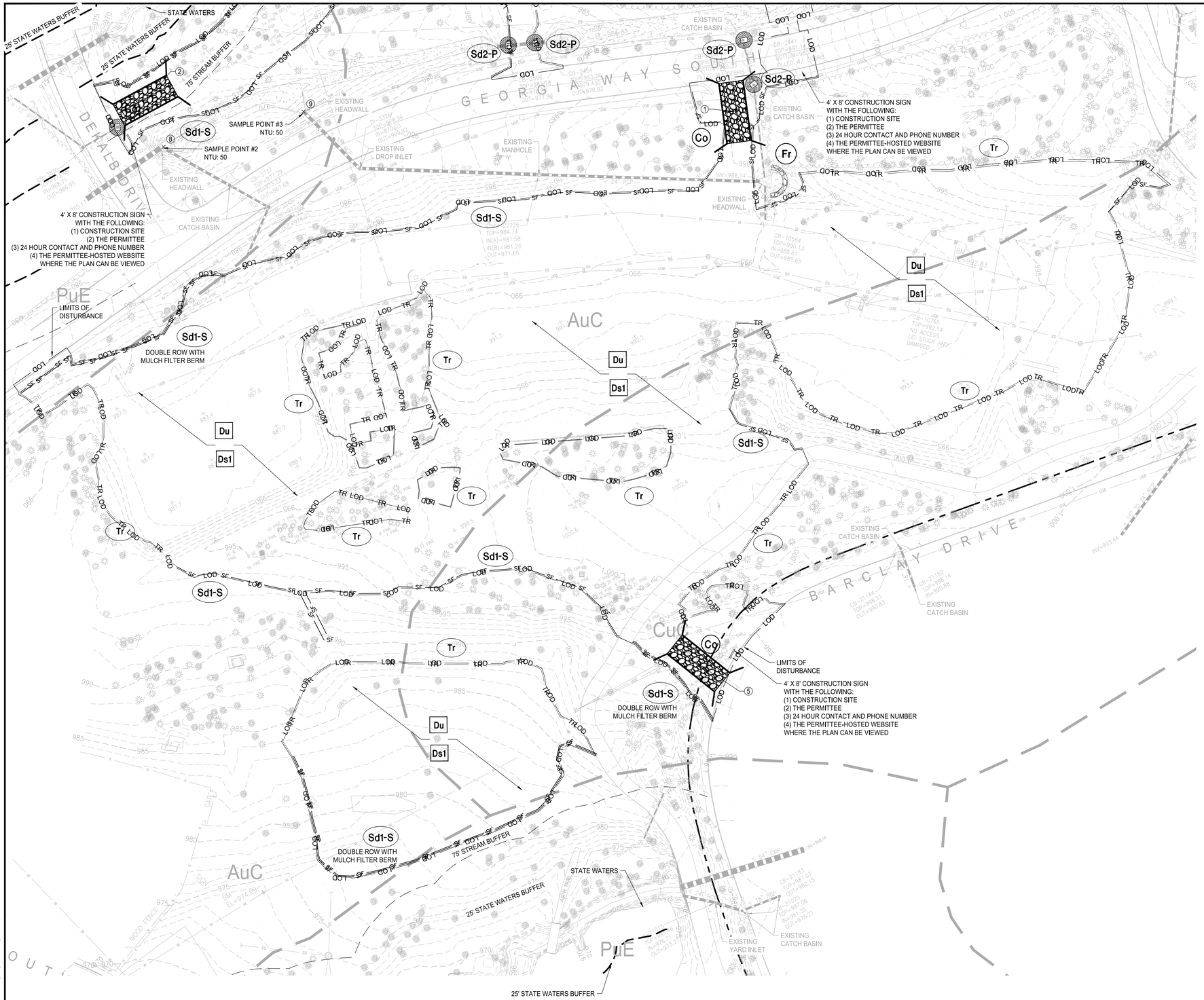


## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
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- Co — CONSTRUCTION EXIT (2 / C2.90)
- SF — Sd1-S — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (1 / C2.90)
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- # — SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION )

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EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

SEE NOTES ON SHEETC2.10 FOR ADDITIONAL INFORMATION.

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0 40 80 120
SCALE: 1" = 40 '

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354

DUNWOODY

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| G1 | 01/29/2019 | GASWCC COMMENTS |
| | | CONFORM SET 04-29-2019 |

SHEET TITLE
ESPC PHASE 1

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.12 | |

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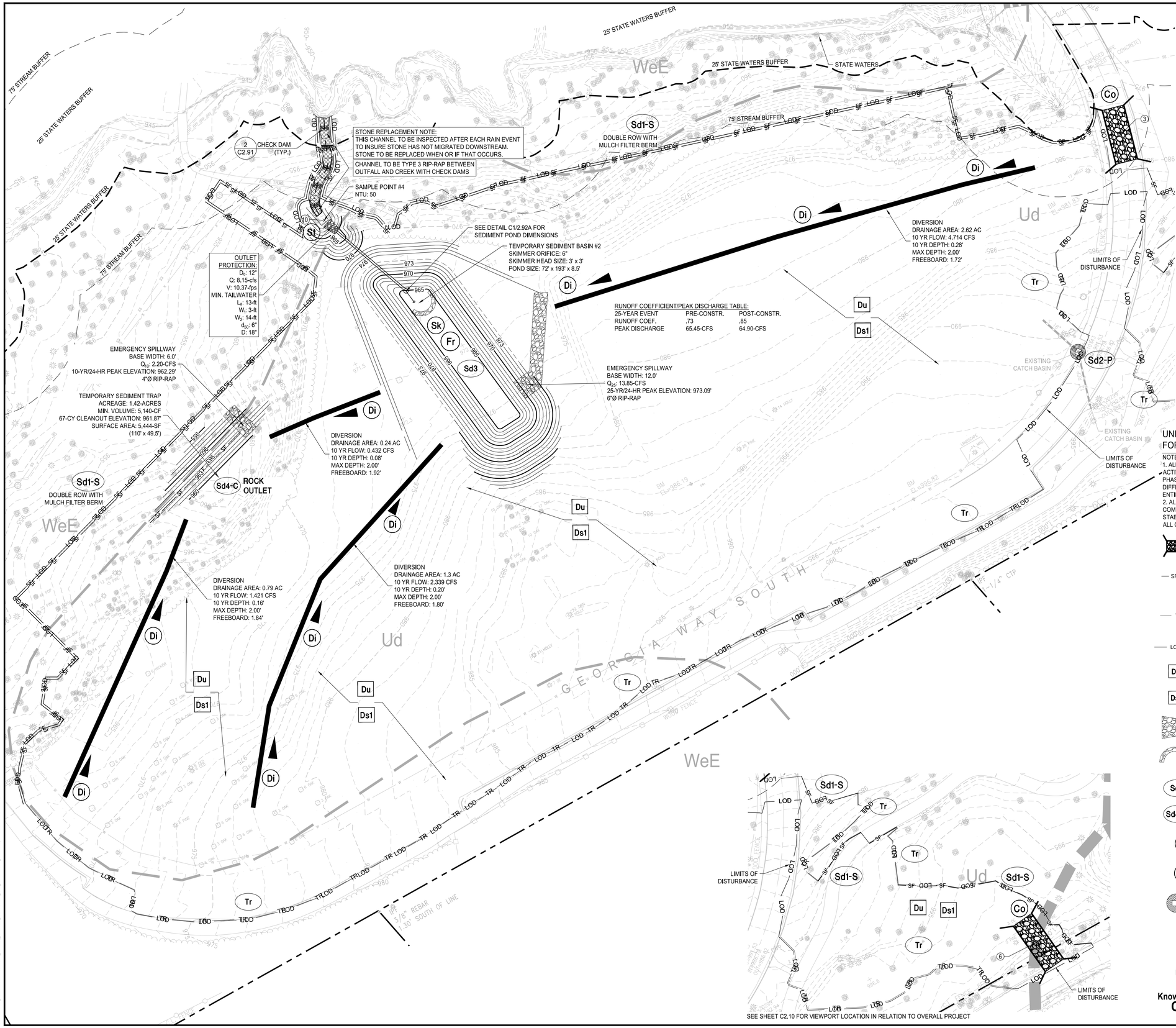





SEE SHEET C2.10 FOR VIEWPORT LOCATION IN RELATION TO OVERALL PROJECT

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|---|---|
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## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
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2. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

- Co — CONSTRUCTION EXIT (2 / C2.90)
- SF — Sd1-S — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (1 / C2.90)
- TR — Tr — TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (4 / C2.91)
- LOD — LIMITS OF CONSTRUCTION/ DISTURBANCE
- Du — Du — DUST CONTROL ON DISTURBED AREAS (2 / C2.93)
- Ds1 — Ds1 — TEMPORARY DISTURBED AREA STABILIZATION (1 / C2.93)
- St — STORM DRAIN OUTLET PROTECTION (3 / C2.90)
- Fr — TEMPORARY FILTER RING (7 / C2.90)
- Sd3 — Sd3 — TEMPORARY SEDIMENT BASIN #2 (1 / C2.92A)
- Sd4-C ROCK OUTLET — TEMPORARY SEDIMENT TRAP (3 / C2.98)
- Di — Di — DIVERSION BERM (3 / C2.93)
- Sk — Sk — FLOATING SURFACE SKIMMER (3 / C2.91)
- Sd2-P — CURB INLET SEDIMENT TRAP (5 / C2.90)
- SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION )

811 Know what's below. Call before you dig.

0 40 80 120
SCALE: 1" = 40 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE041517 PROFESSIONAL 01/04/19 ENGINEER PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

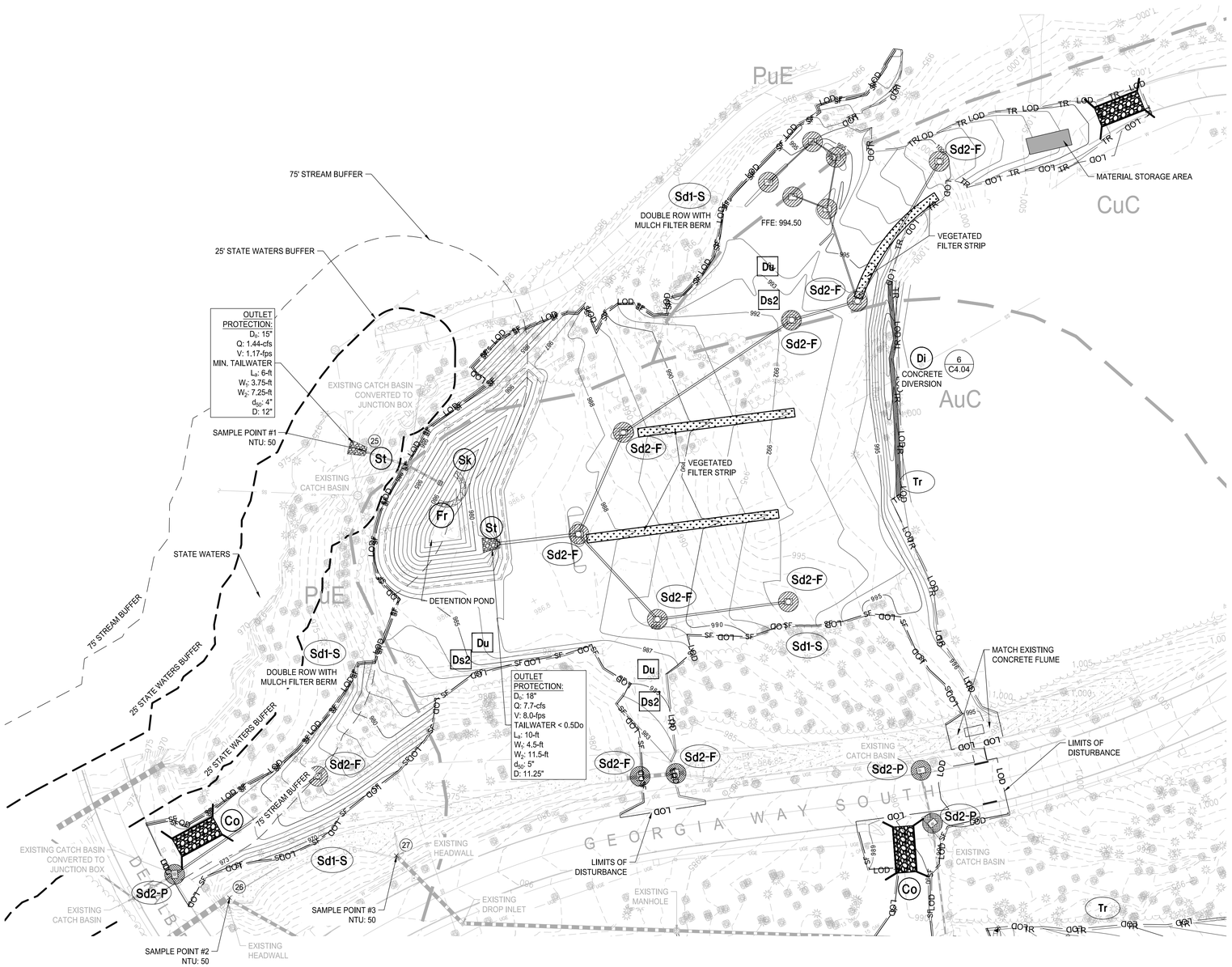
CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| G1 | 01/29/2019 | GASWCC COMMENTS |
| CONFORM SET 04-29-2019 | | |

SHEET TITLE
ESPC PHASE 1

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.13 | |

G:\17300s\17302_Brook Run Park Improvements_Dunwoody_GA\CADD_SHEETS\17302_C10_EPSC PHASE 1_SEBREE.dwg - Printed on 2019-04-29 at 4:37:01 PM.




## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
1. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.
2. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

- Co — CONSTRUCTION EXIT (2 / C2.90)
- SF — Sd1-S — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (1 / C2.90)
- TR — Tr — TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (4 / C2.91)
- LOD — LIMITS OF CONSTRUCTION/ DISTURBANCE
- Di — DIVERSION (6 / C4.04)
- Du — DUST CONTROL ON DISTURBED AREAS (2 / C2.93)
- Ds2 — TEMPORARY DISTURBED AREA STABILIZATION (4 / C2.93)
- St — STORM DRAIN OUTLET PROTECTION (3 / C2.90)
- Fr — TEMPORARY FILTER RING (7 / C2.90)
- Sd2-F — INLET SEDIMENT TRAP (4 / C2.90)
- Sd2-P — CURB INLET SEDIMENT TRAP (5 / C2.90)
- Cd-S — TEMPORARY STONE CHECK DAM (2 / C2.91)
- Sk — FLOATING SURFACE SKIMMER (3 / C2.91)
- SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION )

| NRCS SOILS TYPE LEGEND | |
|---|---|
| AkB | ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| AmC | APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES |
| AuC | APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| CeB | CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| CuC | CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| PuE | PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES |
| Ud | URBAN LAND |
| WeE | WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES |

EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

SEE NOTES ON SHEETC2.10 FOR ADDITIONAL INFORMATION.

PRIMARY PERMITTEE / OWNER & 24-HR. EMERGENCY CONTACT:
CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
BRENT WALKER
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
(678) 382-6700
24 HR. EMERGENCY CONTACT:
BRENT WALKER - (678) 382-6857
BRENT.WALKER@DUNWOODYGA.GOV

Know what's below. Call before you dig.

0 40 80 120
SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| G1 | 01/23/2019 | GASWCC COMMENTS |
| . | . | . |
| . | . | . |
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| . | . | . |
| . | . | . |
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CONFORM SET 04-29-2019

SHEET TITLE
ESPC PHASE 2

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.21 | |

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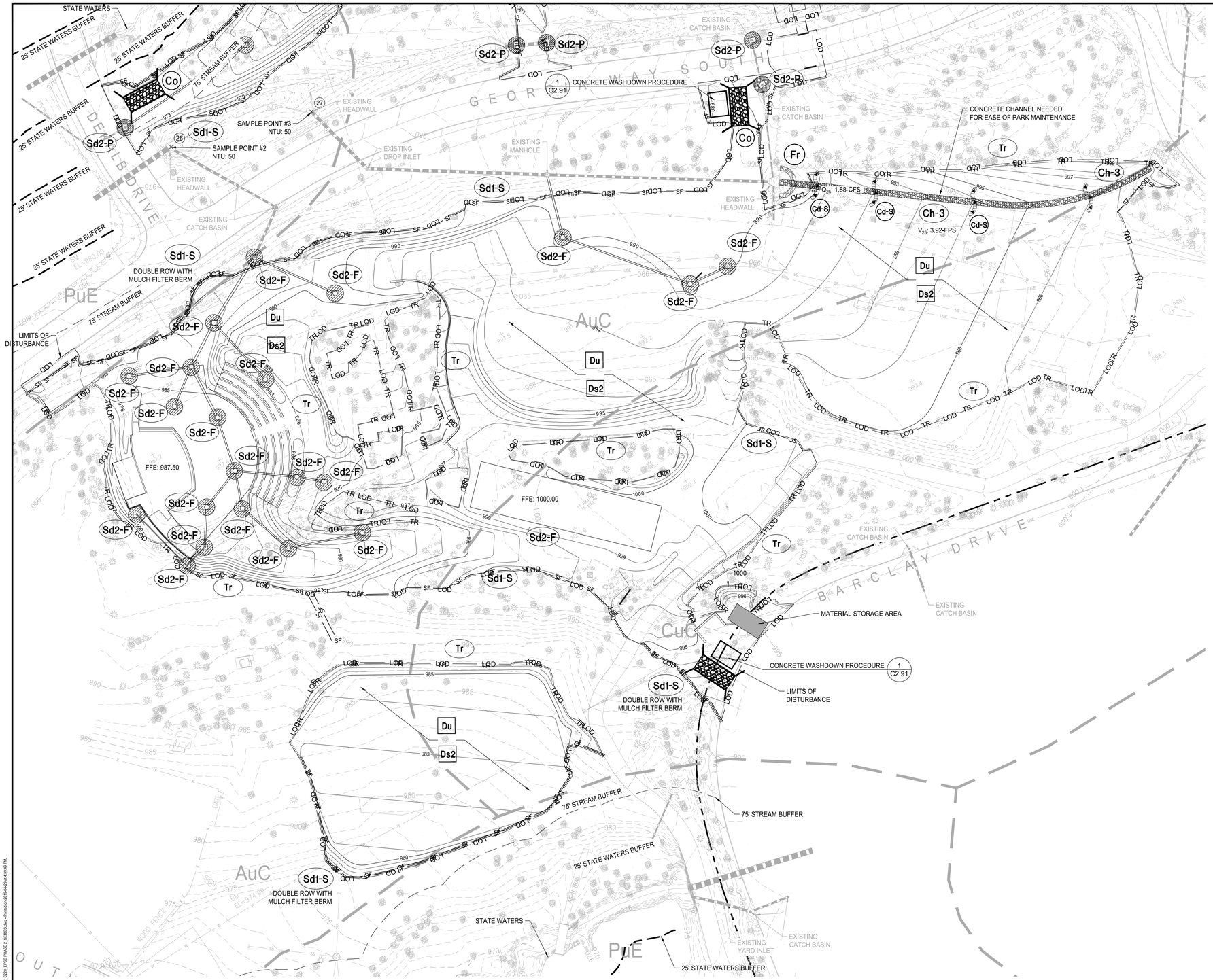


## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
1. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.
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| | | | |
|---|---|---|---|
| | Co | CONSTRUCTION EXIT | 2 C2.90 |
| SF | Sd1-S | SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE | 1 C2.90 |
| TR | Tr | TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE | 4 C2.91 |
| Ch-3 | Ch-3 | CHANNEL STABILIZATION, CHANNEL 3 CONCRETE | |
| LOD | | LIMITS OF CONSTRUCTION/ DISTURBANCE | |
| Du | Du | DUST CONTROL ON DISTURBED AREAS | 2 C2.93 |
| Ds2 | Ds2 | TEMPORARY DISTURBED AREA STABILIZATION | 4 C2.93 |
| | St | STORM DRAIN OUTLET PROTECTION | 3 C2.90 |
| | Fr | TEMPORARY FILTER RING | 7 C2.90 |
| | Sd2-F | INLET SEDIMENT TRAP | 4 C2.90 |
| | Sd2-P | CURB INLET SEDIMENT TRAP | 5 C2.90 |
| | Cd-S | TEMPORARY STONE CHECK DAM | 2 C2.91 |
| Sk | Sk | FLOATING SURFACE SKIMMER | 3 C2.91 |
| | | SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION ) | |

NRCS SOILS TYPE LEGEND

| | |
|---|---|
| AkB | ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| AmC | APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES |
| AuC | APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| CeB | CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES |
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| PuE | PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES |
| Ud | URBAN LAND |
| WeE | WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES |

EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

SEE NOTES ON SHEETC2.10 FOR ADDITIONAL INFORMATION.

PRIMARY PERMITTEE / OWNER & 24-HR. EMERGENCY CONTACT:
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(678) 382-6700
24 HR. EMERGENCY CONTACT:
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BRENT.WALKER@DUNWOODYGA.GOV

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GEORGIA REGISTERED PROFESSIONAL ENGINEER PEYTON IRL LINGLE No. PE041517 01/04/19

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| G1 | 01/23/2019 | GASWCC COMMENTS |
| . | . | . |
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| . | . | . |
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| . | . | . |
| . | . | . |
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CONFORM SET 04-29-2019

SHEET TITLE
ESPC PHASE 2

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.22 | |

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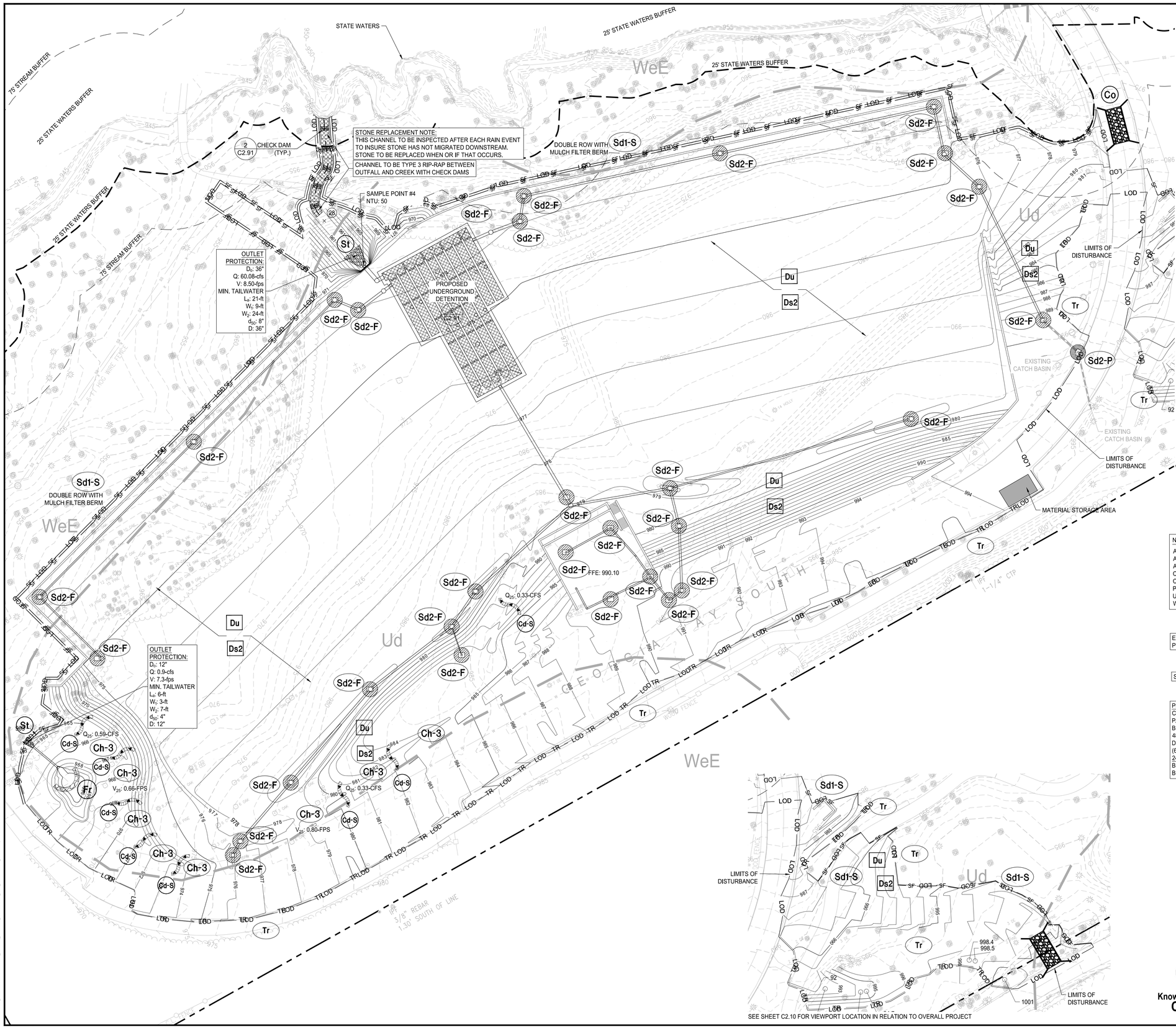


## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
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| | | |
|---|---|---|
| Co | CONSTRUCTION EXIT | 2 / C2.90 |
| Sd1-S | SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE | 1 / C2.90 |
| Tr | TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE | 4 / C2.91 |
| Ch-1 | CHANNEL STABILIZATION, CHANNEL 1 EROSION CONTROL BLANKETS | |
| LOD | LIMITS OF CONSTRUCTION/ DISTURBANCE | |
| Du | DUST CONTROL ON DISTURBED AREAS | 2 / C2.93 |
| Ds2 | TEMPORARY DISTURBED AREA STABILIZATION | 4 / C2.93 |
| St | STORM DRAIN OUTLET PROTECTION | 3 / C2.90 |
| Fr | TEMPORARY FILTER RING | 7 / C2.90 |
| Sd2-F | INLET SEDIMENT TRAP | 4 / C2.90 |
| Sd2-P | CURB INLET SEDIMENT TRAP | 5 / C2.90 |
| Cd-S | TEMPORARY STONE CHECK DAM | 2 / C2.91 |
| Sk | FLOATING SURFACE SKIMMER | 3 / C2.91 |
| ■ | SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION ) | |

NRCS SOILS TYPE LEGEND

| | |
|---|---|
| AkB | ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| AmC | APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES |
| AuC | APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
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| PuE | PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES |
| Ud | URBAN LAND |
| WeE | WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES |

EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

SEE NOTES ON SHEETC2.10 FOR ADDITIONAL INFORMATION.

PRIMARY PERMITTEE / OWNER & 24-HR. EMERGENCY CONTACT:
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PARKS AND RECREATION DEPARTMENT
BRENT WALKER
4800 ASHFORD DUNWOODY ROAD
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(678) 382-6700
24 HR. EMERGENCY CONTACT:
BRENT WALKER - (678) 382-6857
BRENT.WALKER@DUNWOODYGA.GOV




SEE SHEET C2.10 FOR VIEWPORT LOCATION IN RELATION TO OVERALL PROJECT

Know what's below. Call before you dig.

0 40 80 120
SCALE: 1" = 40 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| G1 | 01/23/2019 | GASWCC COMMENTS |
| | | CONFORM SET 04-29-2019 |

SHEET TITLE
ESPC PHASE 2

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.23 | |

## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

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LOD — LIMITS OF CONSTRUCTION/ DISTURBANCE

SF — Sd1-S — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (1 / C2.90)

Du — DUST CONTROL ON DISTURBED AREAS

Ds3 — PERMANENT DISTURBED AREA STABILIZATION

St — STORM DRAIN OUTLET PROTECTION

Fr — TEMPORARY FILTER RING (7 / C2.90)

Ss — SLOPE STABILIZATION

Sk — FLOATING SURFACE SKIMMER

SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION )

| NRCS SOILS TYPE LEGEND | |
|---|---|
| AkB | ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| AmC | APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES |
| AuC | APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| CeB | CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| CuC | CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| PuE | PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES |
| Ud | URBAN LAND |
| WeE | WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES |

EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

SEE NOTES ON SHEETC2.10 FOR ADDITIONAL INFORMATION.

PRIMARY PERMITTEE / OWNER & 24-HR. EMERGENCY CONTACT:
CITY OF DUNWOODY
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BRENT WALKER
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
(678) 382-6700
24 HR. EMERGENCY CONTACT:
BRENT WALKER - (678) 382-6857
BRENT.WALKER@DUNWOODYGA.GOV

PHASE III EROSION CONTROL NOTE:
ALL EROSION CONTROL MEASURES TO BE INSTALLED PER 2016 GREEN BOOK. CONTRACTOR TO REMOVE SILT FENCE AFTER ALL SOIL IS STABILIZED AND AFTER ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

Know what's **below.** **Call** before you dig.

0 40 80 120
SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE041517
01/04/19
PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY
GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| G1 | 01/29/2019 | GASWCC COMMENTS |
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| - | - | - |
| - | - | - |
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| - | - | - |

CONFORM SET 04-29-2019

SHEET TITLE
ESPC PHASE 3

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.31 | |

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## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

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- Du — DUST CONTROL ON DISTURBED AREAS
- Ds3 — PERMANENT DISTURBED AREA STABILIZATION
- St — STORM DRAIN OUTLET PROTECTION
- Fr — TEMPORARY FILTER RING (7 / C2.90)
- Ss — SLOPE STABILIZATION
- Sk — FLOATING SURFACE SKIMMER
- SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION )

| NRCS SOILS TYPE LEGEND | |
|---|---|
| AkB | ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| AmC | APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES |
| AuC | APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
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| PuE | PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES |
| Ud | URBAN LAND |
| WeE | WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES |

EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

SEE NOTES ON SHEETC2.10 FOR ADDITIONAL INFORMATION.

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BRENT WALKER
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
(678) 382-6700
24 HR. EMERGENCY CONTACT:
BRENT WALKER - (678) 382-6857
BRENT.WALKER@DUNWOODYGA.GOV

PHASE III EROSION CONTROL NOTE:
ALL EROSION CONTROL MEASURES TO BE INSTALLED PER 2016 GREEN BOOK. CONTRACTOR TO REMOVE SILT FENCE AFTER ALL SOIL IS STABILIZED AND AFTER ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

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0 40 80 120
SCALE: 1" = 40 '

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GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE011517
01/04/19
PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| G1 | 01/23/2019 | GASWCC COMMENTS |
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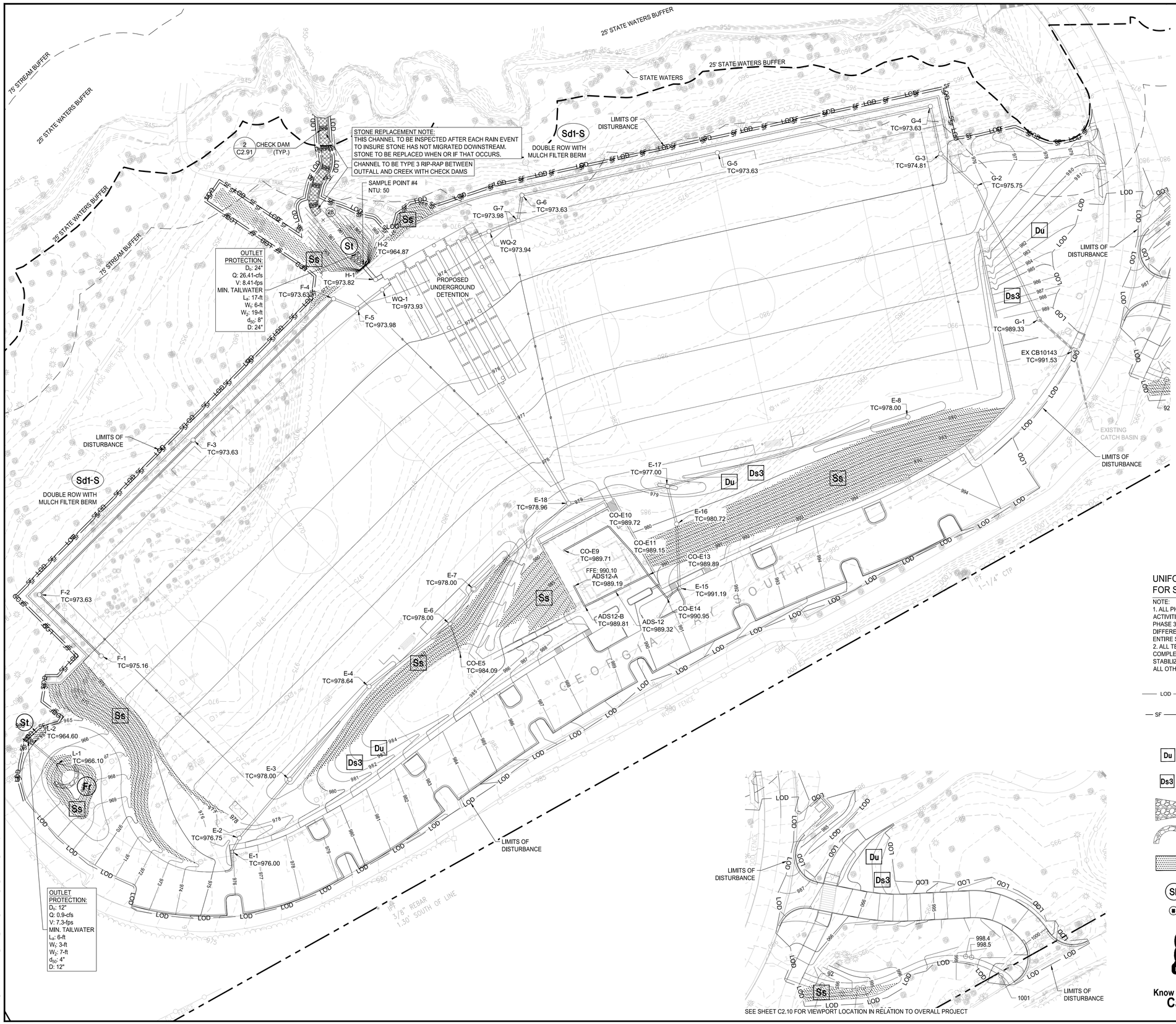
CONFORM SET 04-29-2019

SHEET TITLE
ESPC PHASE 3

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.32 | |

G:\17300s\17302_Brook Run Park Improvements_Dunwoody_GA\CADD_SHEETS\17302_C2D_ESPC PHASE 3_SEBREE.dwg - Printed on 2019-04-29 at 4:44:55 PM.







SEE SHEET C2.10 FOR VIEWPORT LOCATION IN RELATION TO OVERALL PROJECT

| NRCS SOILS TYPE LEGEND | |
|---|---|
| AkB | ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| AmC | APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES |
| AuC | APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| CeB | CECIL SANDY LOAM, 2 TO 6 PERCENT SLOPES |
| CuC | CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES |
| PuE | PACOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES |
| Ud | URBAN LAND |
| WeE | WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES |

EXISTING USE: MUNICIPAL PARK
PROPOSED USE: MUNICIPAL PARK

TOTAL PROJECT AREA: ± 102.47-AC
TOTAL DISTURBED AREA: ± 19.2-AC

SEE NOTES ON SHEETC2.10 FOR ADDITIONAL INFORMATION.

PRIMARY PERMITTEE / OWNER & 24-HR. EMERGENCY CONTACT:
CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
BRENT WALKER
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
(678) 382-6700
24 HR. EMERGENCY CONTACT:
BRENT WALKER - (678) 382-6857
BRENT.WALKER@DUNWOODYGA.GOV

PHASE III EROSION CONTROL NOTE:
ALL EROSION CONTROL MEASURES TO BE INSTALLED PER 2016 GREEN BOOK. CONTRACTOR TO REMOVE SILT FENCE AFTER ALL SOIL IS STABILIZED AND AFTER ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

## UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
1. ALL PHASE 1 PRACTICES TO BE COMPLETED PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.
2. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREA ACHIEVES FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

- LOD — LIMITS OF CONSTRUCTION/ DISTURBANCE
- SF — Sd1-S — SEDIMENT BARRIER: TYPE S W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (1 / C2.90)
- Du — DUST CONTROL ON DISTURBED AREAS
- Ds3 — PERMANENT DISTURBED AREA STABILIZATION
- St — STORM DRAIN OUTLET PROTECTION
- Fr — TEMPORARY FILTER RING (7 / C2.90)
- Ss — SLOPE STABILIZATION
- Sk — FLOATING SURFACE SKIMMER
- SAMPLE POINT NUMBER (SEE C2.10 FOR GIS LOCATION )

811 Know what's below. Call before you dig.

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SCALE: 1" = 40 '

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| G1 | 01/23/2019 | GASWCC COMMENTS |
| | | CONFORM SET 04-29-2019 |

SHEET TITLE
ESPC PHASE 3

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |
| SHEET NO. C2.33 | |

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## CLEARING PHASE
## EROSION CONTROL NOTES

PRIOR TO THE LAND DISTURBING CONSTRUCTION THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS OR STREAM BUFFERS, IF POSSIBLE.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITIES SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES. NO LAND DISTURBANCE SHALL TAKE PLACE OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLANS. THE STONE SIZE SHALL CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M266-96, SECTION 7.3 SEPARATION REQUIREMENTS.
2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXIT ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
3. TYPE 'C' SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-27.1. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLANS. SEE SEPARATE DETAIL FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
5. STONE CHECK DAMS SHALL BE INSTALLED ON ALL EXISTING CONCENTRATED FLOWS AS SHOWN ON THE PLANS.
6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT CONSTRUCTION OF ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTOR.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORM WATER RUNOFF.

THE DESIGN PROFESSIONAL WHO PREPARED THE ESPC PLAN WILL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN SEVEN DAYS AFTER INSTALLATION.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLANS AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 164 OF GEORGIA D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3 INCH STONE, AS CONDITIONS DEMAND. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLAN.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

ALL CLEARING AND GRUBBING DEBRIS TO BE CHIPPED AND MULCHED FOR USE IN SEDIMENT AND EROSION CONTROL PREVENTION.

## GRADING PHASE
## EROSION CONTROL NOTES

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION:

MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATION, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT THE VARIOUS STAGES OF CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF 10FT OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS IMMEDIATELY.

TYPE “C” SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS AND ALL FILL SLOPES 10FT OR GREATER IN HEIGHT. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORMWATER RUNOFF AS SHOWN ON THE PLANS.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED. INDICATORS MUST BE INSTALLED IN SEDIMENT BASINS INDICATING THE 1/3 FULL VOLUME FOR CLEANOUT.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

ALL INLET HEADWALLS TO BE PROTECTED WITH SILT GATES, AND ALL DROP INLETS TO BE UNDERCUT 1.5FT DEEP BY 10FT IN DIAMETER.

ERODED VEGETATED SLOPES WILL BE BACKFILLED, SMOOTHED, SEEDED OR GRASSED AND COVERED WITH GEOTEXTILE MATTING.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

## FINAL PHASE
## EROSION CONTROL NOTES

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION:

MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF-WAY POINT ON THE RISER.

AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAVE BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE-HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3” OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL ENGINEER.

ALL TEMPORARY SEDIMENT BASINS SHALL BE REMOVED WHEN THE DEVELOPMENT IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH PERMANENT VEGETATION.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO CONSTRUCTION ACTIVITY BY OTHERS.

ERODED VEGETATED SLOPES WILL BE BACKFILLED, SMOOTHED, SEEDED OR GRASSED AND COVERED WITH GEOTEXTILE MATTING.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.

## CRITICAL WORK ZONE
## EROSION CONTROL NOTES:

HATCHED AREAS SHOWN ON THE EROSION CONTROL PLANS REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS,AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DRAIN ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT. 3:1 SLOPES SHALL RECEIVE MATTING AS SPECIFIED ON THE EROSION CONTROL PLANS.

## DESIGN PROFESSIONAL'S
## CERTIFICATION

(1) I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN, PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

(2) "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION."

01/03/2019

DESIGN PROFESSIONAL    DATE

PE041517    77048

GA REGISTRATION #    LEVEL II CERTIFICATION
EXPIRES: 04/29/2022

## NPDES PERMIT COVERAGE

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EDP). GENERAL PERMIT NO. GAR 100001. FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR STAND ALONE DEVELOPMENTS.

AUTHORIZED DISCHARGES

1. ALL DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE ACRE. PART I.C.1.a-c.
2. ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORMWATER EXCEPT AS PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT. PART III.A.1
3. AUTHORIZED MIXED STORMWATER DISCHARGES: PART I.C.2
   A. THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY.
   B. THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT.
   C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT.
4. AUTHORIZED NON-STORMWATER DISCHARGES: PART III.A.2
   A. FIRE FIGHTING ACTIVITIES
   B. FIRE HYDRANT FLUSHING
   C. POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING
   D. IRRIGATION DRAINAGE
   E. AIR CONDITIONING CONDENSATE
   F. SPRINGS
   G. UNCONTAMINATED GROUND WATER
   H. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS

LIMITATIONS ON COVERAGE PART I.C.3

1. THE FOLLOWING STORMWATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:
   A. STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATES FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.
   B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATER OTHER THAN DISCHARGES THAT ARE IDENTIFIED IN PART II.A.2 OF THIS PERMIT AND THAT ARE IN COMPLIANCE WITH PART IV.D.6 (NON-STORMWATER DISCHARGES) OF THIS PERMIT.
   C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES.
   D. STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE, OR MAY REASONABLY BE EXPECTED TO BE, CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD.
2. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A 12-14-2, ET SEQ.) 40 CFR 117 OR CFR 302 OCCURS DURING A 24 HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY THE FOLLOWING AGENCIES IN ACCORDANCE WITH THE ABOVE MENTIONED REGULATIONS AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE: EPD AT (404)656-4883 OR (800) 241-4113 OR THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802. PART III.B.1
3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL. PART III.B.2

WATER QUALITY COMPLIANCE PART I.C.4

ALL DISCHARGES AUTHORIZED BY THIS PERMIT SHALL NOT CAUSE VIOLATIONS OF GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 301-3-6-03.

## PRIMARY PERMITTEE'S
## (OWNER/OPERATOR) CERTIFICATION

(1) "I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (PLAN) WAS PREPARED BY A DESIGN PROFESSIONAL, AS DEFINED BY THIS PERMIT THAT HAS COMPLETED THE APPROPRIATE CERTIFICATION COURSE APPROVED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-19 AND THAT I WILL ADHERE TO THE PLAN AND COMPLY WITH ALL PERMIT REQUIREMENTS."

(2) "I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED UPON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

PRIMARY PERMITTEE
(OWNER/OPERATOR)    DATE

## NPDES PERMIT COVERAGE

SEE SHEET C2.10 FOR SAMPLING LOCATIONS.

SAMPLING METHODOLOGY PART IV.D.6

All SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED). THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
2. SAMPLES SHALL BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHALL BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
4. MANUAL, AUTOMATIC, OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW-THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THE PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

SAMPLING FREQUENCY

SAMPLING FREQUENCY SHALL OCCUR IN ACCORDANCE WITH PART IV.D.6.D OF THE PERMIT.

1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
2. HOWEVER, WHERE THE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THE PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.
3. SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
   A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
   B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
   C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
   D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE;
   E. EXISTING CONSTRUCTION ACTIVITIES, I.E. THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

* NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF 3.A. AND 3.B. BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

PRIMARY PERMITTEE/24 HR. CONTACT:
BRENT WALKER
CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
PHONE: (678) 382-6857
EMAIL: BRENT.WALKER@DUNWOODYGA.GOV

LOSE DESIGN
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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK
IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354

DUNWOODY    GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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SHEET TITLE

ESPC NOTES

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE NTS |
| CHECKED BY PL | |

SHEET NO.

C2.40

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EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN (ESPC)

THIS PLAN WAS PREPARED AS REQUIRED BY NPDES GENERAL PERMIT NO. GAR 100001 (STAND ALONE CONSTRUCTION PROJECT). THESE PLAN SHEETS AND ALL REQUIREMENTS OF THE GENERAL PERMIT AS WELL AS LOCAL, STATE, AND FEDERAL REGULATIONS OR LAWS APPLY REGARDLESS OF SPECIFIC INCLUSION IN THIS PLAN.

SITE DESCRIPTION:

OWNER/DEVELOPER AS PRIMARY PERMITTEE WILL OVERSEE SITE CONSTRUCTION LOCATED WITHIN THE PROPERTY LOCATED AT 4770 N PEACHTREE ROAD, DUNWOODY, GA 30338. THE ENTIRE SITE CONTAINS ±102.65 ACRES.

DESCRIBE PROPERTY TO BE DEVELOPED: MUNICIPAL PARK

AFTER PLACEMENT OF PERIMETER SILT PROTECTION BARRIERS AND CONSTRUCTION ENTRANCES CONSTRUCTION WILL BEGIN WITH DEMOLITION OF EXISTING SITE FEATURES AS OUTLINED ON THE DEMOLITION PLAN SHEETS C0.11-C0.13 CONTINUING WITH CLEARING AND GRUBBING OF VEGETATION IN AREAS THAT ARE TO BE DISTURBED, PRELIMINARY AND FINAL GRADING, UTILITY INSTALLATION, SIDEWALKS AND STRUCTURES PER THE PHASED EROSION CONTROL PLAN SHEETS C2.11-C2.33 AND CONSTRUCTION PLAN SET.

STORM WATER RUNOFF FROM THIS DEVELOPMENT WILL BE DIVERTED THROUGH TEMPORARY BMP'S UNTIL THE SITE IS STABILIZED.

ZONING:

THIS SITE IS ZONED R-85.

SURVEY INFORMATION:

BOUNDARY AND TOPOGRAPHIC INFORMATION FROM BOUNDARY SURVEY DATED JANUARY 11, 2018 PROVIDED BY MCKIM & CREED.

THIS PROPERTY IS LOCATED WITHIN A 100-YEAR FLOODPLAIN PER FEMA FIRM PANEL 13089C0016J , EFFECTIVE DATE MAY 16, 2013.

RUNOFF COEFFICIENT
- WEIGHTED PRE CONSTRUCTION CN CURVE NUMBER: 73
- WEIGHTED POST CONSTRUCTION CN CURVE NUMBER: 86

SEE "STORMWATER MANAGEMENT STUDY FOR "BROOK RUN PARK" DATED DECEMBER 12, 2018 FOR ADDITIONAL INFORMATION.

SOIL TYPES

THE NRCS SOIL TYPES CAN BE FOUND ON SHEET C2.10 OF THESE CONSTRUCTION DOCUMENTS

SOIL DISTRIBUTING ACTIVITIES INCLUDE:

- INSTALLING A STABILIZED CONSTRUCTION EXIT, PERIMETER AND OTHER EROSION AND SEDIMENT CONTROLS.
- CLEARING AND GRUBBING.
- EXCAVATION OF THE FOUNDATION.
- GRADING AND EXCAVATION FOR UTILITIES.
- PREPARATION FOR FINAL PLANTING AND SEEDING.
- COMPLETION OF ON-SITE STABILIZATION.

SEQUENCE OF MAJOR ACTIVITIES - SEE CONSTRUCTION SCHEDULE

BUFFER ENCROACHMENTS

THERE ARE NO 25 FOOT STATE WATERS BUFFER ENCROACHMENTS ON THIS SITE.

NAME OF RECEIVING WATERS:

THE RECEIVING WATER FOR THIS SITE IS AN UNNAMED TRIBUTARY OF NANCY CREEK.
THIS PROJECT DOES DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT.

TMDL IMPLEMENTATION PLAN

TMDL COMPLETED FC 2003, TMDL COMPLETED BIO F 2008

CONTROLS

EROSION AND SEDIMENT CONTROLS

ALL PERIMETER SILT FENCES AND CONSTRUCTION EXITS SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBING ACTIVITIES.

EXISTING VEGETATION SHALL BE LEFT IN PLACE UNTIL SUCH TIME THAT LAND DISTURBING ACTIVITIES ARE TO TAKE PLACE UPON THAT PORTION OF THE SITE. WHEN CONSTRUCTION ACTIVITIES HAVE CEASED IN AN AREA, THAT AREA SHALL BE STABILIZED WITHIN 14 DAYS. IF THE AREA IS NOT YET TO FINAL GRADE, IT SHALL BE MULCHED. IF THE AREA IS TO FINAL GRADE AND WILL EVENTUALLY CONTAIN SITE IMPROVEMENTS SUCH AS THE STRUCTURES OR SIDEWALKS, IT SHALL BE TEMPORARY SEEDED. AREAS BROUGHT TO FINAL GRADE THAT WILL REMAIN PERVIOUS ARE TO BE PERMANENTLY SEEDED. ALLOWABLE EXCEPTIONS FROM THE NPDES GENERAL PERMIT, GAR 100001, ARE NOTED BELOW.

"WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION, ACTIVITY TEMPORARY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE."

"WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED."

PLEASE REFER TO DETAIL SHEETS FOR THE LAND DISTURBANCE CONSTRUCTION SCHEDULE AND TEMPORARY AND PERMANENT GRASSING SCHEDULES.

NON- STORM WATER DISCHARGES

ALL NON-STORM WATER DISCHARGES WILL BE ROUTED THROUGH ON SITE BMP'S AND THE STORM WATER MANAGEMENT SYSTEM WHERE POSSIBLE. THESE DISCHARGES INCLUDE FLUSHING OF WATER AND FIRE LINES, IRRIGATION WATER, GROUND WATER, DEWATERING OR PITS OR DEPRESSIONS WITHIN THE CONSTRUCTION SITE AND RINSE ALL WATER OF NON-TOXIC MATERIALS.

OTHER CONTROLS

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

WASTE MATERIALS

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTES

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND ALL THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTE WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ONSITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN ONE AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, SHEET C-4B, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/ SEPTIC SYSTEM OF THE COMPLETION OF THIS PROJECT.

CONCRETE WASHDOWN PER DETAIL 1 ON SHEET C2.91

WASHOUT OF THE CONCRETE DRUM IS PROHIBITED. FOLLOWING IS A PROCEDURE TO WASHDOWN TOOLS, CHUTE AND HOPPER:
1. COORDINATE WITH SITE SUPERINTENDENT TO EXCAVATE A PIT DEEP ENOUGH TO CONTAIN WASHDOWN WATER.
2. BACK IN EQUIPMENT.
3. WASHDOWN ONLY THE CHUTE, HOPPER AND REAR OF THE VEHICLE. DO NOT WASH OUT THE DRUM.
4. MAKE SURE WASHDOWN WATER GOES INTO AND STAYS IN THE PIT.
5. COORDINATE WITH SITE SUPERINTENDENT TO FILL IN PIT AND SMOOTH OUT GROUND.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. SEE SHEET C2.11 FOR CONSTRUCTION EXIT LOCATION AND DETAILS. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, OR RACK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE FOLLOWING MATERIALS ARE EXPECTED ONSITE DURING CONSTRUCTION: CONCRETE PRODUCTS, ASPHALT, PETROLEUM BASED FUELS AND LUBRICANTS FOR EQUIPMENT, TAR, METAL BUILDING MATERIALS, LUMBER, SHEET ROCK, FLOOR COVERINGS, ELECTRICAL WIRE AND FIXTURES, PAINTS/ STAINS/ FINISHING TREATMENTS, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CLEANING SOLVENTS, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, PLASTIC AND METAL PIPES.

SPILL PREVENTION

PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE THE RISK OF SPILLS AND SPILLS FROM DISCHARGING INTO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

1. QUANTITIES OF PRODUCTS STORED ONSITE WILL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.
2. PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL WHERE POSSIBLE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER LABELS LEGIBLE AND VISIBLE.
4. PRODUCT MIXING, DISPOSAL AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
5. THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE AND DISPOSAL.

PRODUCT SPECIFIC PRACTICES

PETROLEUM BASED PRODUCTS- CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OR SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/ FINISHES/ SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASTE WATER ONSITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE PROCEDURES.

SOIL CLEANUP AND CONTROL PRACTICES

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES BUT IS NOT LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER WILL BE CONTACTED WITH IN 24 HOURS.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

ON-SITE BUILDING MATERIALS:

BUILDING MATERIALS AND BUILDING PRODUCTS WILL BE COVERED WITH PLASTIC SHEETING SECURED OVER THE MATERIALS OR PER MANUFACTURER'S RECOMMENDATION. ALL BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS SHALL BE COVERED AND NOT IN DIRECT CONTACT WITH THE GROUND TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

INSPECTIONS

PRIMARY PERMITTEE
1. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
2. MEASURE RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
3. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
4. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
5. BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
6. A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E. INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY THE END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

MAINTENANCE & INSPECTION OF EROSION & SEDIMENT CONTROLS

MAINTENANCE

THE FOLLOWING BEST MANAGEMENT PRACTICE MAINTENANCE CRITERIA ARE TAKEN FORM THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA", 2016 EDITION.

CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TROP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

DETENTION POND OUTLET STRUCTURES SHALL BE KEPT CLEAR OF TRASH AND DEBRIS. THIS WILL REQUIRE CONTINUOUS MONITORING AND MAINTENANCE, WHICH INCLUDES SEDIMENT REMOVAL WHEN ONE-THIRD OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST.

SEDIMENT SHALL BE REMOVED FROM SILT FENCES ONCE IT HAS BEEN ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACES WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FABRIC IS REDUCED (APPROXIMATELY SIX MONTHS).

SEDIMENT SHALL BE REMOVED FROM TRAPS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ON-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION.

SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT INTER THE INLET AGAIN.

WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.

REPAIR ALL DAMAGES CAUSED TO TEMPORARY SEDIMENT BASINS BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORKING DAY. SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE SPECIFIED DISTANCE BELOW THE TOP OF THE RISER. SEDIMENT SHALL NOT ENTER ADJACENT STREAMS OR DRAINAGE WAYS DURING SEDIMENT REMOVAL OR DISPOSAL. THE SEDIMENT SHALL NOT BE DEPOSITED DOWNSTREAM FROM THE EMBANKMENT ADJACENT TO A STREAM OR FLOODPLAIN.

INSPECT RIP RAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP RAP HAS TAKEN PLACE OR IT STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

ROUGHENED AREAS SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE TO OBTAIN OPTIMUM SEED GERMINATION AND SEEDING GROWTH.
MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH, DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE A CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE. MAINTENANCE SHALL BE REQUIRED TO MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN SIX MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED.

PERMANENT VEGETATION SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS. THIS PRACTICE SHALL BE APPLIED IMMEDIATELY TO ALL AREAS AT FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES, A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE REGIONS, SUCH THAT WITHIN THE GROWING SEASON 70% COVERAGE BY PERENNIAL VEGETATION SHALL BE ACHIEVED. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION. UNTIL THIS STANDARD IS SATISFIED AND PERMANENT CONTROL MEASURES AND FACILITIES ARE OPERATIONAL, INTERIM STABILIZATION MEASURES AND TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL NOT BE REMOVED.

G-1 GASWCC COMMENT REVISIONS
- BUFFER ENCROACHMENTS DESCRIPTION ADDED
- TMDL IMPLEMENTATION PLAN NOTE ADDED

PRIMARY PERMITTEE/24 HR. CONTACT:
BRENT WALKER
CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
PHONE: (678) 382-6857
EMAIL: BRENT.WALKER@DUNWOODYGA.GOV

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE041517 PROFESSIONAL 01/04/19 ENGINEER PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK
IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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| G1 | 01/23/2019 | GASWCC REVISIONS |
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SHEET TITLE

ESPC NOTES

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE NTS |
| CHECKED BY PL | |

SHEET NO.

C2.41

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STORM WATER SAMPLING

SAMPLE ANALYSIS

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40CFR PART 136 AND THE GUIDANCE DOCUMENT TITLES NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT EPA 833-B-92-001.

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT 2 OUTFALL LOCATIONS INDICATED ON SHEET C2.11 & C2.13. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 25, THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NUMBER GAR 100001. THE NTU IS BASED UPON THE TOTAL DISTURBED AREA OF 12.80 ACRES OF THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA OF LESS THAN 4.99 SQ. MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

NTU VALUE= 50

SAMPLE TYPE

ALL SAMPLING SHALL BE COLLECTED BY “GRAB SAMPLES” AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED “NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001” AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E

SAMPLING POINTS

THERE ARE 4 SAMPLING LOCATIONS. THE FIRST SAMPLING LOCATION AND THE SECOND ARE INDICATED ON SHEET C2.11 THE THIRD SAMPLING LOCATION AND THE FOURTH ARE INDICATED ON SHEET C2.13. SEE POINT TABLE ON C2.10 FOR SP1-SP4 COORDINATES. PER NPDES PERMIT GAS 100001, FOR CONSTRUCTION ACTIVITIES. THE PRIMARY PERMITTEE MUST COMPLETE ALL SAMPLING.

- CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STREAM WATER CHANNEL.
- THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
- THE SAMPLINGS SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
- THE PRIMARY PERMITTEE DOES NOT HAVE TO SAMPLE SHEET FLOW INTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT.

SAMPLING FREQUENCY

SEE NOTES ON SHEET C2.40.

REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THE PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
   A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
   B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
   C. THE DATE(S) ANALYSES WERE PERFORMED;
   D. THE TIME(S) ANALYSES WERE INITIATED;
   E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
   F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
   G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC USED TO DETERMINE THESE RESULTS.
   H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
   I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THE PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. IF AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE.

IF NO QUALIFYING EVENTS OCCURRED WITHIN A MONTHLY MONITORING PERIOD, A REPORT MUST BE SUBMITTED STATING SUCH. ADDRESSES ARE PROVIDED BELOW:

GOVERNING AGENCY: CITY OF DUNWOODY PARKS AND RECREATION DEPARTMENT
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
PHONE:(678) 382-6700

OWNER: CITY OF DUNWOODY PARKS AND RECREATION DEPARTMENT
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
PHONE:(678) 382-6700

ATTN: INSPECTOR: TBD
ADDRESS: TBD
ADDRESS: TBD
PHONE: TBD

RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
   A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
   B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
   C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
   D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
   E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
   F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
   G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION), OR OTHER REPORTS REQUESTED BY THE THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

THE CONTRACTOR WILL OBTAIN COPIES OF ANY AND ALL LOCAL AND STATE REGULATIONS THAT ARE APPLICABLE TO STORM WATER MANAGEMENT, EROSION CONTROL, AND POLLUTION MINIMIZATION AT THIS JOB SITE AND WILL COMPLY FULLY WITH SUCH REGULATIONS. THE CONTRACTOR WILL SUBMIT WRITTEN EVIDENCE OF SUCH COMPLIANCE IF REQUESTED BY THE OWNER OR ANY AGENT OF A REGULATORY BODY. THE CONTRACTOR WILL COMPLY WITH ALL CONDITIONS OF ANY AND ALL LOCAL, STATE AND FEDERAL AGENCIES HAVE GOVERNING AUTHORITY, INCLUDING THE CONDITIONS RELATED TO MAINTAINING THE ESPCP AND EVIDENCE OF COMPLIANCE WITH THE ESPCP AT THE JOB SITE AND ALLOWING REGULATORY PERSONNEL ACCESS TO THE JOB SITE AND TO RECORDS IN ORDER TO DETERMINE COMPLIANCE.

GENERAL

THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, SHOULDERS AND CRITICAL AREAS CREATED BY CONSTRUCTION. SEEDING WILL BE DONE AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGES FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

SOIL CONDITIONS
DUE TO GRADING AND CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL SUBSTRATA. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL AREA UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

TREATMENT SPECIFICATIONS

CONVENTIONAL SEEDING EQUIPMENT
GRADE, SHAPE AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. A SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED AND FIRMED. SEEDING WILL BE DONE WITH CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER A FRESHLY PREPARED SEEDBED AND COVERED LIGHTLY. WITHIN 24 HOURS AFTER SEEDING, STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OR THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AT IT IS SPREAD. A DISK HARROW WITH THE DISK SET OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

A. SEEDING WITH MULCH:(CONVENTIONAL SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1)

| | |
|---|---|
| AGRICULTURAL LIMESTONE | 4000 LBS./ACRE |
| FERTILIZER, 5-10-15 | 1500 LBS./ACRE |
| MULCH, STRAW OR HAY | 5000 LBS./ACRE |

| SEEDING SPECIES | APPLICATION RATE/ACRE | PLANTING DATES |
|---|---|---|
| HULL COMMON BERMUDA GRASS | 10 LBS. | 3/1-6/15 |
| FESCUE | 50 LBS. | 9/1-10/31 |
| FESCUE<br>RYE GRASS | 50 LBS.<br>50 LBS. | 11/1-2/28 |
| HAY MULCH FOR TEMP. COVER | 5000 LBS. | 6/15-8/31 |

B. TOP DRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL
FERTILIZER(AMMONIUM NITRATE 33.5%) 300 LBS./ACRE

C. SECOND-YEAR FERTILIZER:(5-10-15 OR EQUIVALENT) 800 LBS./ACRE

HYDRAULIC SEEDING EQUIPMENT:
WHEN HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED, NO GRADING AND SHAPING OR SEEDBED PREPARATION WILL BE REQUIRED. THE FERTILIZER, SEED AND WOOD CELLULOSE FIBER WILL BE MIXED WITH WATER AND APPLIED IN A SLURRY. ALL SLURRY INGREDIENTS MUST BE COMBINED TO FORM A HOMOGENEOUS MIXTURE, AND SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER MIXTURE IS MADE. STRAW OR HAY MULCH AND ASPHALT EMULSION WILL BE APPLIED WITH BLOWER-TYPE MULCH SPREADING EQUIPMENT WITHIN 24 HOURS AFTER SEEDING. THE MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

A. SEEDING WITH MULCH: (HYDRAULIC SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1 AND STEEPER)

| | |
|---|---|
| AGRICULTURAL LIMESTONE #75 | 4000 LBS./ACRE |
| FERTILIZER, 5-10-15 | 1500 LBS./ACRE |
| MULCH, (STRAW OR HAY) OR | 5000 LBS./ACRE |
| WOOD CELLULOSE FIBER MULCH | 1000 LBS./ACRE |

| SEEDING SPECIES | APPLICATION RATE/ACRE | PLANTING DATES |
|---|---|---|
| SERICEA LESPEDEZA, SCARIFIED<br>WEEPING GRASS OR<br>COMMON BERMUDA, HULLED | 60 LBS.<br>4 LBS.<br>6 LBS. | 3/1-6/15 |
| FESCUE<br>SERICEA LESPEDEZA, UNSCARIFIED | 40 LBS.<br>60 LBS. | 9/1-10/31 |
| FESCUE<br>SERICEA LESPEDEZA, UNSCARIFIED<br>RYE | 40 LBS.<br>75 LBS.<br>50 LBS. | 11/1-2/28 |
| HAY MULCH FOR TEMPORARY COVER | 5000 LBS. | 6/15-8/31 |

B. TOP DRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL
FERTILIZER (AMMONIUM NITRATE 33.5%) 3000 LBS./ACRE

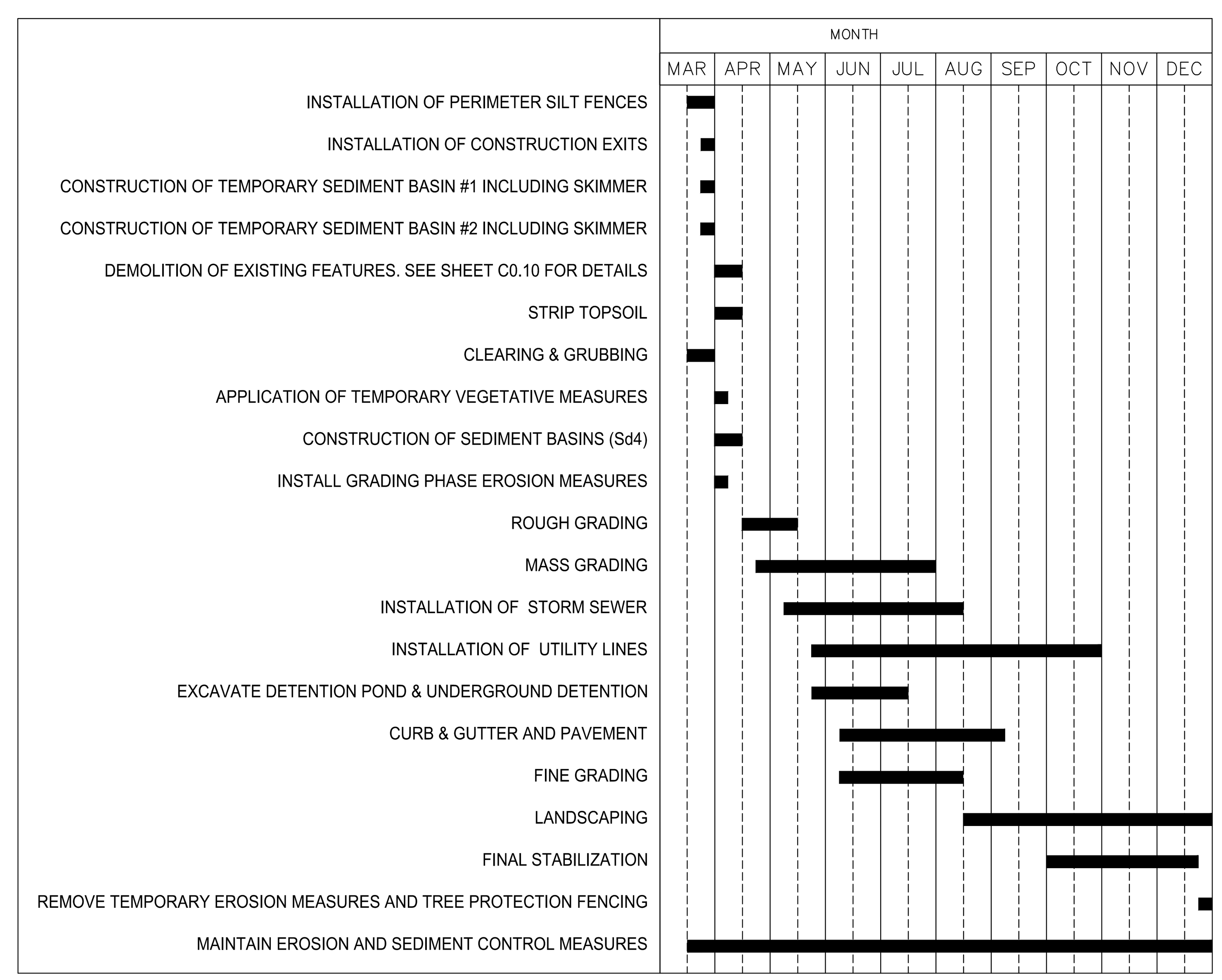
C. SECOND-YEAR FERTILIZER: (0-20-20 OR EQUIVALENT) 500 LBS./ACRE

GENERAL NOTES:

1. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN WILL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN SEVEN DAYS AFTER INSTALLATION.
2. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
3. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
4. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
5. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.
6. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
7. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
8. AFTER CONSTRUCTION, EROSION AND SEDIMENTATION WILL BE MANAGED BY STABILIZED LOT CONSISTING OF PAVED DRIVES, GRASSING, LANDSCAPING, AND COMMUNITY CENTER SITE.
9. MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
   A. COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL
   B. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND
   C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS
   D. PROVIDING GRAVEL OR PAVING AT ENTRANCE/ EXIT DRIVES
10. EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
11. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY THE ONSITE INSPECTOR.
12. EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
13. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:1V ON RESIDENTIAL PROJECTS AND LOTS, AND LOTS SHALL NOT EXCEED 2H:1V ON ALL OTHER PROJECTS.
14. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE CITY ENGINEER STARTING WITH THE ISSUANCE OF THE LDP AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
15. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR 100001.
16. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONROL EROSION.
17. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH STABILIZED WITH PERMANENT VEGETATION AND ALL ROAD/DRIVEWAYS HAVE BEEN PAVED.

ON-SITE BUILDING MATERIALS:

BUILDING MATERIALS AND BUILDING PRODUCTS WILL BE COVERED WITH PLASTIC SHEETING SECURED OVER THE MATERIALS OR PER MANUFACTURER'S RECOMMENDATION. ALL BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTE, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS SHALL BE COVERED AND NOT IN DIRECT CONTACT WITH THE GROUND TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.




ANTICIPATED CONSTRUCTION SCHEDULE
START DATE: 03/19/2019
END DATE: 12/31/2019

## DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

DATE OF INSPECTION ____________________________

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

______________________________ ______________________
GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION #

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN.

______________________________________________________
______________________________________________________
______________________________________________________
______________________________________________________

THESE DISCREPANCIES MUST BE ADDRESS IMMEDIATELY AND A REINSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON SITE UNTIL THE DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

### APPENDIX B

### Nephelometric Turbidity Unit (NTU) TABLES

**Cold Water (Trout Stream)**

Surface Water Drainage Area, square miles

| Site Size, acres | 0-4.99 | 5-9.99 | 10-24.99 | 25-49.99 | 50-99.99 | 100-249.99 | 250-499.99 | 500+ |
|---|---|---|---|---|---|---|---|---|
| 1.00-10 | 25 | 50 | 75 | 150 | 300 | 500 | 500 | 500 |
| 10.01-25 | 25 | 25 | 50 | 75 | 150 | 200 | 500 | 500 |
| 25.01-50 | 25 | 25 | 25 | 50 | 75 | 100 | 300 | 500 |
| 50.01-100 | 20 | 25 | 25 | 35 | 59 | 75 | 150 | 300 |
| 100.01+ | 20 | 20 | 25 | 25 | 25 | 50 | 60 | 100 |

**Warm Water (Supporting Warm Water Fisheries)**

Surface Water Drainage Area, square miles

| Site Size, acres | 0-4.99 | 5-9.99 | 10-24.99 | 25-49.99 | 50-99.99 | 100-249.99 | 250-499.99 | 500+ |
|---|---|---|---|---|---|---|---|---|
| 1.00-10 | 75 | 150 | 200 | 400 | 750 | 750 | 750 | 750 |
| 10.01-25 | 50 | 100 | 100 | 200 | 300 | 500 | 750 | 750 |
| 25.01-50 | 50 | 50 | 100 | 100 | 200 | 300 | 750 | 750 |
| 50.01-100 | 50 | 50 | 50 | 100 | 100 | 150 | 300 | 600 |
| 100.01+ | 50 | 50 | 50 | 50 | 50 | 100 | 200 | 100 |

G-1 GASWCC COMMENT REVISIONS
- MATERIAL STORAGE NARRATIVE ADDED
- SAMPLE TYPE VERBATIM PER GENERAL PERMIT

PRIMARY PERMITTEE/24 HR. CONTACT:
BRENT WALKER
CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
PHONE: (678) 382-6857
EMAIL: BRENT.WALKER@DUNWOODYGA.GOV

LOSE DESIGN SPACES FOR LIFE.

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED, AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.

GEORGIA REGISTERED No. PE041517 PROFESSIONAL 01/04/19 ENGINEER PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
DISTRICT 18, LAND LOT 354
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
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| . | . | . |

SHEET TITLE

ESPC NOTES

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE NTS |
| CHECKED BY PL | |

SHEET NO.

C2.42

O:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C240_EPSC NOTES_SERIES.dwg - Printed on 2019-04-29 at 4:47:38 PM.

# STORM SEWER PIPE CHART

| PIPE | DIA inches | TYPE | LENGTH ft | Invert Up ft | Invert Down ft | DESIGN SLOPE % | Manning's n | DESIGN FREQ year | FREQ. FACTOR Cf | WEIGHTED RATIONAL "C" | INTENSITY in/hr | AREA acres | DESIGN FLOW cfs | ALLOW FLOW cfs | FF FRIC SLOPE % | VELOCITY* ft/sec | Time of Concentration min | DRAINAGE AREA Acres | UPSTREAM STRUCTURE | DOWNSTREAM STRUCTURE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COA1-COA2 | 6 | HDPE | 41.54 | 991.25 | 990.83 | 1.01% | 0.012 | 25 | 1.1 | 0.70 | 9.38 | 0.03 | 0.2 | 1.54 | 0.13% | 2.8 | 5.0 | 0.03 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| COA2-COA3 | 6 | HDPE | 19.36 | 990.83 | 990.64 | 0.98% | 0.012 | 25 | 1.1 | 0.76 | 8.20 | 0.04 | 0.3 | 1.52 | 0.21% | 3.0 | 5.2 | 0.01 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| COA3-COA5 | 6 | HDPE | 36.82 | 990.64 | 990.27 | 1.00% | 0.012 | 25 | 1.1 | 0.50 | 8.16 | 0.10 | 0.4 | 1.54 | 0.55% | 3.4 | 5.4 | 0.06 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| COA5-A7 | 8 | HDPE | 67.34 | 990.10 | 989.59 | 0.76% | 0.012 | 25 | 1.1 | 0.62 | 8.11 | 0.16 | 0.9 | 2.40 | 0.45% | 3.6 | 5.5 | 0.04 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTAL WEIR INLET PER DETAIL 2/C2.95 |
| COA4-COA5 | 6 | HDPE | 25.00 | 990.52 | 990.27 | 1.00% | 0.012 | 25 | 1.1 | 0.95 | 9.38 | 0.02 | 0.2 | 1.54 | 0.11% | 2.8 | 5.0 | 0.02 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| A6-A7 | 12 | HDPE | 111.90 | 994.90 | 989.35 | 4.96% | 0.012 | 25 | 1.1 | 0.72 | 9.38 | 0.16 | 1.2 | 13.68 | 0.09% | 7.7 | 5.0 | 0.16 | MANHOLE PER DETAIL 3/2.97 | PEDESTAL WEIR INLET PER DETAIL 2/C2.95 |
| A7-A8 | 12 | HDPE | 47.26 | 989.25 | 987.38 | 3.96% | 0.012 | 25 | 1.1 | 0.42 | 8.02 | 0.69 | 2.5 | 12.22 | 0.44% | 8.7 | 6.1 | 0.37 | PEDESTAL WEIR INLET PER DETAIL 2/C2.95 | PEDESTAL WEIR INLET PER DETAIL 2/C2.95 |
| A8-A9 | 12 | HDPE | 140.00 | 987.38 | 983.19 | 2.99% | 0.012 | 25 | 1.1 | 0.41 | 7.93 | 0.76 | 2.7 | 10.63 | 0.50% | 8.0 | 6.2 | 0.07 | PEDESTAL WEIR INLET PER DETAIL 2/C2.95 | PEDESTAL WEIR INLET PER DETAIL 2/C2.95 |
| A9-A12 | 15 | HDPE | 76.75 | 982.94 | 982.17 | 1.00% | 0.012 | 25 | 1.1 | 0.48 | 7.85 | 0.95 | 3.9 | 9.61 | 0.32% | 5.9 | 6.5 | 0.19 | PEDESTAL WEIR INLET PER DETAIL 3/5.05 | PEDESTAL WEIR INLET PER DETAIL 2/C2.95 |
| A10-A11 | 12 | HDPE | 91.35 | 987.00 | 984.03 | 3.25% | 0.012 | 25 | 1.1 | 0.58 | 9.38 | 0.06 | 0.4 | 11.08 | 0.01% | 4.6 | 5.0 | 0.06 | CATCH BASIN PER DETAIL 1/C2.96 | CATCH BASIN PER DETAIL 1/C2.96 |
| A11-A12 | 12 | HDPE | 80.23 | 983.93 | 982.42 | 1.88% | 0.012 | 25 | 1.1 | 0.63 | 8.17 | 0.07 | 0.4 | 8.43 | 0.01% | 3.9 | 5.3 | 0.01 | CATCH BASIN PER DETAIL 1/C2.96 | PEDESTAL WEIR INLET PER DETAIL 2/C2.95 |
| A12-A13 | 18 | HDPE | 54.48 | 981.92 | 981.13 | 1.45% | 0.012 | 25 | 1.1 | 0.47 | 7.79 | 1.91 | 7.6 | 16.65 | 0.46% | 8.0 | 6.9 | 0.89 | PEDESTAL WEIR INLET PER DETAIL 3/5.05 | HEADWALL PER DETAIL 2/C2.95 |
| K1-EX CB5074 | 15 | EXISTING | 25.08 | 976.67 | 975.95 | 2.87% | 0.012 | 25 | 1.1 | 0.46 | SEE HYDROCAD RESULTS FOR DETAILED CALCS | | | | | | | 1.89 | OUTLET STRUCTURE PER DETAIL 2/C2.96 | EXISTING CATCH BASIN |
| B1-EX CB | 12 | HDPE | 120.00 | 970.62 | 969.42 | 1.00% | 0.012 | 25 | 1.1 | 0.73 | 9.38 | 0.17 | 1.3 | 6.14 | 0.11% | 4.4 | 5.0 | 0.17 | TRAFFIC-RATED GRATE INLET MANHOLE | TRAFFIC-RATED GRATE INLET MANHOLE |
| C1-C2 | 12 | HDPE | 33.91 | 987.08 | 986.74 | 1.00% | 0.012 | 25 | 1.1 | 0.20 | 9.38 | 0.63 | 1.3 | 6.15 | 0.12% | 4.4 | 5.0 | 0.63 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| C2-C3 | 12 | HDPE | 111.45 | 986.64 | 985.53 | 1.00% | 0.012 | 25 | 1.1 | 0.26 | 9.94 | 1.18 | 3.3 | 6.13 | 0.75% | 5.5 | 5.1 | 0.55 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| C3-EX STMH22226 | 15 | RCP | 53.03 | 985.18 | 981.33 | 7.25% | 0.012 | 25 | 1.1 | 0.28 | 8.23 | 1.71 | 4.4 | 25.85 | 0.40% | 12.5 | 5.5 | 0.53 | STANDARD GRATE PER DETAIL 1/C2.95 | EXISTING MANHOLE |
| D1-D2 | 12 | HDPE | 62.29 | 990.00 | 985.77 | 6.79% | 0.012 | 25 | 1.1 | 0.62 | 9.38 | 0.09 | 0.6 | 16.01 | 0.02% | 6.9 | 5.0 | 0.09 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| D2-D7 | 12 | HDPE | 50.23 | 985.67 | 981.56 | 8.18% | 0.012 | 25 | 1.1 | 0.55 | 9.94 | 0.13 | 0.8 | 17.57 | 0.04% | 8.1 | 5.1 | 0.04 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| D7-D10 | 12 | HDPE | 31.26 | 981.46 | 980.89 | 1.82% | 0.012 | 25 | 1.1 | 0.53 | 8.22 | 0.18 | 0.9 | 8.30 | 0.05% | 4.9 | 5.3 | 0.05 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| D10-D11 | 12 | RCP | 46.19 | 980.69 | 980.20 | 1.06% | 0.012 | 25 | 1.1 | 0.50 | 8.19 | 0.63 | 2.8 | 6.33 | 0.54% | 5.5 | 5.4 | 0.11 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| D11-D14 | 18 | HDPE | 47.21 | 979.90 | 979.43 | 1.00% | 0.012 | 25 | 1.1 | 0.57 | 8.16 | 0.75 | 3.8 | 13.79 | 0.12% | 5.8 | 5.5 | 0.12 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| COD3-COD4 | 6 | HDPE | 58.74 | 986.00 | 984.56 | 2.45% | 0.012 | 25 | 1.1 | 0.20 | 9.38 | 0.04 | 0.1 | 2.40 | 0.02% | 3.0 | 5.0 | 0.04 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| COD4-COD5 | 6 | HDPE | 21.13 | 984.46 | 982.75 | 8.09% | 0.012 | 25 | 1.1 | 0.20 | 9.94 | 0.05 | 0.1 | 4.37 | 0.03% | 4.9 | 5.3 | 0.01 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| COD5-D6 | 12 | RCP | 33.20 | 982.24 | 981.98 | 0.78% | 0.012 | 25 | 1.1 | 0.20 | 8.17 | 0.09 | 0.2 | 5.44 | 0.00% | 2.2 | 5.4 | 0.04 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| D6-D10 | 12 | RCP | 37.90 | 981.88 | 981.50 | 1.00% | 0.012 | 25 | 1.1 | 0.20 | 8.15 | 0.18 | 0.3 | 6.15 | 0.01% | 3.0 | 5.7 | 0.09 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| D8-D9 | 12 | HDPE | 22.47 | 985.00 | 983.27 | 7.70% | 0.012 | 25 | 1.1 | 0.20 | 9.38 | 0.05 | 0.1 | 17.05 | 0.00% | 4.3 | 5.0 | 0.05 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| D9-D10 | 12 | HDPE | 51.00 | 983.17 | 980.89 | 4.47% | 0.012 | 25 | 1.1 | 0.48 | 8.24 | 0.16 | 0.7 | 12.99 | 0.03% | 6.3 | 5.1 | 0.11 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| D12-D14 | 12 | RCP | 35.76 | 980.30 | 979.93 | 1.03% | 0.012 | 25 | 1.1 | 0.95 | 9.38 | 0.04 | 0.4 | 6.25 | 0.01% | 3.2 | 5.0 | 0.04 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| D13-D14 | 12 | RCP | 52.00 | 980.45 | 979.93 | 1.00% | 0.012 | 25 | 1.1 | 0.20 | 9.38 | 0.05 | 0.1 | 6.14 | 0.00% | 2.1 | 5.0 | 0.05 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| D14-D16 | 18 | RCP | 40.42 | 979.33 | 978.92 | 1.01% | 0.012 | 25 | 1.1 | 0.57 | 8.08 | 0.87 | 4.4 | 13.92 | 0.15% | 6.0 | 6.0 | 0.03 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| D16-D18 | 18 | RCP | 63.34 | 978.82 | 978.13 | 1.09% | 0.012 | 25 | 1.1 | 0.57 | 7.93 | 1.00 | 5.0 | 14.43 | 0.20% | 6.4 | 6.2 | 0.11 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | JUNCTION BOX PER DETAIL 1/C2.97 |
| D15-D16 | 12 | HDPE | 62.94 | 985.00 | 979.32 | 9.02% | 0.012 | 25 | 1.1 | 0.46 | 9.38 | 0.02 | 0.1 | 18.46 | 0.00% | 4.4 | 5.0 | 0.02 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| D17-D18 | 12 | RCP | 72.70 | 982.20 | 978.53 | 5.05% | 0.012 | 25 | 1.1 | 0.50 | 9.38 | 0.25 | 1.3 | 13.80 | 0.11% | 7.9 | 5.0 | 0.25 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | JUNCTION BOX PER DETAIL 1/C2.97 |
| E1-E2 | 18 | HDPE | 14.10 | 971.83 | 971.76 | 0.50% | 0.012 | 25 | 1.1 | 0.89 | 9.38 | 0.58 | 5.3 | 9.74 | 0.22% | 4.8 | 5.0 | 0.58 | CATCH BASIN PER DETAIL 1/C2.96 | STANDARD GRATE PER DETAIL 1/C2.95 |
| E2-E3 | 18 | HDPE | 69.95 | 971.66 | 971.30 | 0.51% | 0.012 | 25 | 1.1 | 0.77 | 8.25 | 0.74 | 5.2 | 9.92 | 0.21% | 4.9 | 5.0 | 0.16 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| E3-E4 | 18 | HDPE | 110.30 | 971.20 | 970.65 | 0.50% | 0.012 | 25 | 1.1 | 0.68 | 8.18 | 0.87 | 5.3 | 9.76 | 0.22% | 4.9 | 5.3 | 0.13 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| E4-E6 | 18 | HDPE | 92.54 | 970.55 | 970.09 | 0.50% | 0.012 | 25 | 1.1 | 0.66 | 8.07 | 0.93 | 5.4 | 9.75 | 0.23% | 4.9 | 5.7 | 0.06 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| COE5-E6 | 6 | HDPE | 27.27 | 977.00 | 970.99 | 22.04% | 0.012 | 25 | 1.1 | 0.20 | 9.38 | 0.06 | 0.1 | 7.21 | 0.04% | 7.2 | 5.0 | 0.06 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| E6-E7 | 18 | HDPE | 38.33 | 969.99 | 969.80 | 0.50% | 0.012 | 25 | 1.1 | 0.62 | 7.98 | 1.07 | 5.8 | 9.73 | 0.27% | 4.9 | 6.0 | 0.08 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| E7-E18 | 18 | HDPE | 115.45 | 969.70 | 968.71 | 0.86% | 0.012 | 25 | 1.1 | 0.61 | 7.93 | 1.13 | 6.0 | 12.79 | 0.28% | 6.2 | | 0.06 | STANDARD GRATE PER DETAIL 1/C2.95 | JUNCTION BOX PER DETAIL 1/C2.97 |
| E8-E17 | 12 | HDPE | 226.09 | 974.76 | 972.50 | 1.00% | 0.012 | 25 | 1.1 | 0.27 | 9.38 | 0.31 | 0.9 | 6.14 | 0.05% | 4.0 | 5.0 | 0.31 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| COE9-COE10 | 12 | HDPE | 46.14 | 985.50 | 985.04 | 1.00% | 0.012 | 25 | 1.1 | 0.95 | 9.38 | 0.04 | 0.4 | 6.13 | 0.01% | 3.1 | 5.0 | 0.04 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| COE10-COE11 | 12 | HDPE | 33.53 | 984.94 | 984.60 | 1.00% | 0.012 | 25 | 1.1 | 0.95 | 8.20 | 0.08 | 0.7 | 6.15 | 0.03% | 3.7 | 5.2 | 0.04 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| COE11-E13 | 12 | HDPE | 23.61 | 984.50 | 984.27 | 1.00% | 0.012 | 25 | 1.1 | 0.88 | 8.15 | 0.11 | 0.9 | 6.14 | 0.05% | 4.0 | 5.4 | 0.03 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| COE13-COE14 | 12 | HDPE | 26.52 | 984.17 | 983.90 | 1.00% | 0.012 | 25 | 1.1 | 0.90 | 8.12 | 0.14 | 1.1 | 6.14 | 0.09% | 4.3 | 5.5 | 0.03 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| COE14-E15 | 12 | HDPE | 14.31 | 983.80 | 983.66 | 1.00% | 0.012 | 25 | 1.1 | 0.86 | 8.09 | 0.17 | 1.3 | 6.14 | 0.12% | 4.4 | 5.6 | 0.03 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | CATCH BASIN PER DETAIL 1/C2.96 |
| E15-E16 | 18 | HDPE | 58.07 | 983.16 | 976.00 | 12.32% | 0.012 | 25 | 1.1 | 0.81 | 8.08 | 0.37 | 2.7 | 48.52 | 0.06% | 12.8 | 5.7 | 0.20 | CATCH BASIN PER DETAIL 1/C2.96 | STANDARD GRATE PER DETAIL 1/C2.95 |
| E16-E17 | 18 | HDPE | 35.00 | 975.90 | 972.15 | 10.71% | 0.012 | 25 | 1.1 | 0.80 | 8.05 | 0.38 | 2.7 | 45.25 | 0.06% | 12.2 | 5.7 | 0.01 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| E17-E18 | 18 | HDPE | 90.62 | 972.05 | 968.71 | 3.69% | 0.012 | 25 | 1.1 | 0.56 | 7.99 | 0.70 | 3.5 | 26.54 | 0.09% | 9.0 | 6.0 | 0.01 | STANDARD GRATE PER DETAIL 1/C2.95 | JUNCTION BOX PER DETAIL 1/C2.97 |
| E18-UD | 24 | HDPE | 125.30 | 968.11 | 966.86 | 1.00% | 0.012 | 25 | 1.1 | 0.58 | 7.93 | 1.90 | 9.6 | 24.54 | 0.16% | 7.3 | 6.3 | 0.07 | JUNCTION BOX PER DETAIL 1/C2.97 | WATER QUALITY BOX PER DETAIL 3/2.96 |
| ADS12A-ADS12B | 12 | HDPE | 20.67 | 985.31 | 985.11 | 1.00% | 0.012 | 25 | 1.1 | 0.90 | 9.38 | 0.01 | 0.1 | 6.14 | 0.00% | 2.0 | 5.0 | 0.01 | ADS DRAIN BASIN PER DETAIL 4/C2.95 | ADS DRAIN BASIN PER DETAIL 4/C2.95 |
| ADS12B-ADS12 | 12 | HDPE | 30.82 | 985.01 | 984.70 | 1.00% | 0.012 | 25 | 1.1 | 0.90 | 9.38 | 0.01 | 0.1 | 6.14 | 0.00% | 2.0 | 5.2 | 0.01 | ADS DRAIN BASIN PER DETAIL 4/C2.95 | ADS DRAIN BASIN PER DETAIL 4/C2.95 |
| ADS12-COE13 | 12 | HDPE | 33.25 | 984.60 | 984.27 | 1.00% | 0.012 | 25 | 1.1 | 0.94 | 8.15 | 0.04 | 0.3 | 6.14 | 0.01% | 3.0 | 5.4 | 0.03 | ADS DRAIN BASIN PER DETAIL 4/C2.95 | CLEANOUT PER DETAIL 1/C2.95 |
| F1-F2 | 12 | HDPE | 78.61 | 970.58 | 969.99 | 0.75% | 0.012 | 25 | 1.1 | 0.20 | 9.38 | 0.09 | 0.2 | 5.32 | 0.00% | 2.3 | 5.0 | 0.09 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| F2-F3 | 12 | HDPE | 197.00 | 969.89 | 968.41 | 0.75% | 0.012 | 25 | 1.1 | 0.20 | 8.10 | 0.16 | 0.3 | 5.32 | 0.01% | 2.6 | 5.6 | 0.07 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| F3-F4 | 12 | HDPE | 180.08 | 968.31 | 966.91 | 0.78% | 0.012 | 25 | 1.1 | 0.20 | 7.75 | 0.25 | 0.4 | 5.42 | 0.01% | 2.9 | 6.8 | 0.09 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| F4-F5 | 18 | HDPE | 23.28 | 966.31 | 966.18 | 0.56% | 0.012 | 25 | 1.1 | 0.20 | 7.48 | 0.30 | 0.5 | 10.33 | 0.00% | 2.6 | 7.9 | 0.05 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| F5-WQ1 | 24 | HDPE | 28.13 | 965.53 | 965.39 | 0.50% | 0.012 | 25 | 1.1 | 0.20 | 7.44 | 2.45 | 4.0 | 17.34 | 0.03% | 4.5 | 8.0 | 2.15 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| WQ1-UD | 24 | HDPE | 9.10 | 965.29 | 965.20 | 0.99% | 0.012 | 25 | 1.1 | 0.20 | 9.38 | 2.45 | 5.1 | 24.44 | 0.04% | 2.0 | 8.1 | | WATER QUALITY BOX PER DETAIL 4/C2.96 | UNDERGROUND DETENTION |
| G1-G2 | 18 | HDPE | 133.50 | 976.95 | 972.50 | 3.33% | 0.012 | 25 | 1.1 | 0.81 | 9.38 | 0.26 | 2.2 | 25.24 | 0.04% | 7.6 | 5.0 | 0.26 | JUNCTION BOX PER DETAIL 1/C2.97 | STANDARD GRATE PER DETAIL 1/C2.95 |
| G2-G3 | 18 | HDPE | 42.79 | 972.40 | 970.50 | 4.44% | 0.012 | 25 | 1.1 | 0.73 | 8.18 | 0.31 | 2.0 | 29.13 | 0.03% | 8.3 | 5.3 | 0.05 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| G3-G4 | 18 | HDPE | 44.01 | 970.40 | 970.18 | 0.50% | 0.012 | 25 | 1.1 | 0.44 | 8.16 | 0.85 | 3.3 | 9.77 | 0.09% | 4.3 | 5.4 | 0.54 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| G4-G5 | 18 | HDPE | 197.00 | 970.08 | 969.08 | 0.51% | 0.012 | 25 | 1.1 | 0.41 | 8.11 | 0.98 | 3.6 | 9.85 | 0.10% | 4.4 | 5.5 | 0.13 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| G5-G6 | 18 | HDPE | 190.77 | 968.98 | 968.08 | 0.50% | 0.012 | 25 | 1.1 | 0.39 | 7.90 | 1.06 | 3.6 | 9.77 | 0.10% | 4.4 | 6.3 | 0.08 | STANDARD GRATE PER DETAIL 1/C2.95 | STANDARD GRATE PER DETAIL 1/C2.95 |
| G6-G7 | 18 | HDPE | 23.02 | 967.98 | 967.85 | 0.56% | 0.012 | 25 | 1.1 | 0.38 | 7.71 | 1.11 | 3.6 | 10.35 | 0.10% | 4.6 | 7.0 | 0.05 | STANDARD GRATE PER DETAIL 1/C2.95 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 |
| G7-WQ2 | 24 | HDPE | 28.04 | 967.35 | 967.21 | 0.50% | 0.012 | 25 | 1.1 | 0.38 | 7.69 | 3.26 | 10.4 | 17.36 | 0.18% | 5.8 | 7.1 | 2.15 | PEDESTRIAN GRATE PER DETAIL 1/C2.95 | WATER QUALITY BOX PER DETAIL 5/C2.96 |
| WQ 2-UD | 24 | HDPE | 17.60 | 967.11 | 966.93 | 1.02% | 0.012 | 25 | 1.1 | 0.38 | 7.67 | 3.26 | 10.4 | 24.85 | | 7.5 | 7.1 | | WATER QUALITY BOX PER DETAIL 5/C2.96 | UNDERGROUND DETENTION |
| UD-H1 | 36 | HDPE | 6.84 | 964.30 | 963.73 | 8.34% | 0.012 | 25 | 1.1 | 0.67 | SEE HYDROCAD RESULTS FOR DETAILED CALCS | | | | | | | 8.15 | UNDERGROUND DETENTION | JUNCTION BOX PER DETAIL 1/C2.97 |
| H1-H2 | 36 | HDPE | 16.07 | 961.50 | 961.16 | 2.12% | 0.012 | 25 | 1.1 | 0.67 | | | | | | | | 0.01 | JUNCTION BOX PER DETAIL 1/C2.97 | HEADWALL PER DETAIL 2/C2.95 |
| CULVERT J | 60 | CULVERT | 13.00 | 993.20 | 992.30 | 6.92% | 0.015 | 25 | 1.1 | 0.20 | 9.38 | 0.37 | 0.8 | 323.29 | 0.00% | 5.1 | 5.0 | 0.37 | HEADWALL PER DETAIL 2/C2.95 | EXISTING CATCH BASIN |
| L1-L2 | 12 | RCP | 27.94 | 964.50 | 963.00 | 5.37% | 0.012 | 25 | 1.1 | 0.81 | 9.38 | 0.11 | 0.9 | 14.23 | 0.06% | 7.3 | 5.0 | 0.11 | HEADWALL PER DETAIL 2/C2.97 | HEADWALL PER DETAIL 2/C2.95 |

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GEORGIA REGISTERED No. PE041317 PROFESSIONAL 01/04/19 ENGINEER PEYTON IRL LINGLE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| C1 | 02-22-2019 | REVISIONS PER CITY |

CONFORM SET 04-29-2019

SHEET TITLE

STORM SEWER PIPE CHART

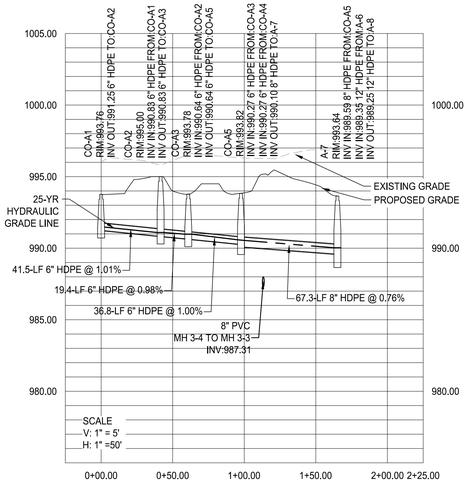
| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE NTS |
| CHECKED BY PL | |

SHEET NO.

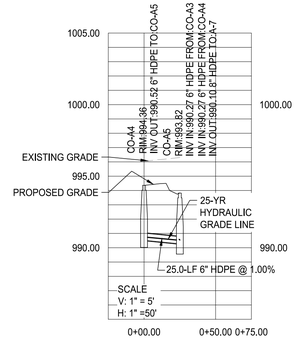
C2.50

G:\17000s\17302_Brook Run Park Improvements_Dunwoody_CAD\ACAD\01_SHEETS\17302_C250_PIPE CHART & PROFILE_SERIES.dwg - Printed on 2019-04-29 at 4:48:02 PM.

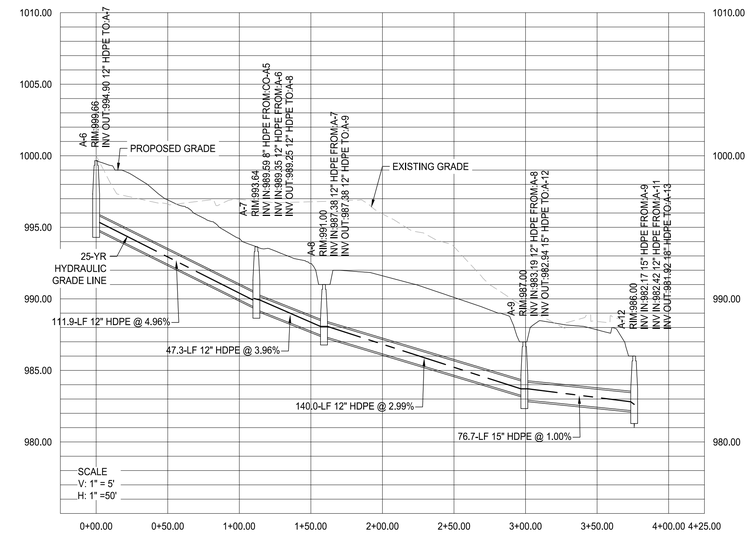
STORM SEWER LINE A
CO-A1 TO A-7




STORM SEWER LINE A
CO-A4 TO CO-A5

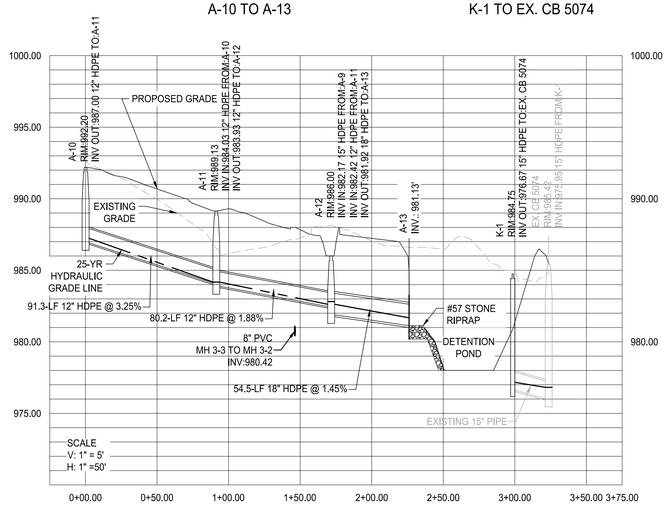



STORM SEWER LINE A
A-6 TO A-12

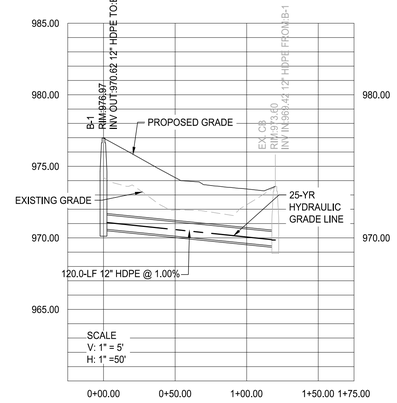



STORM SEWER LINE A
A-10 TO A-13

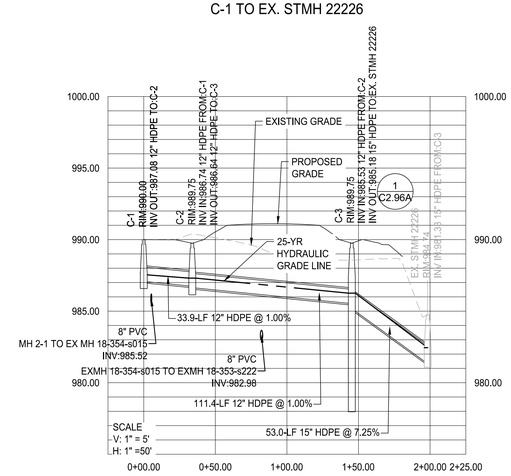
STORM SEWER LINE K
K-1 TO EX. CB 5074



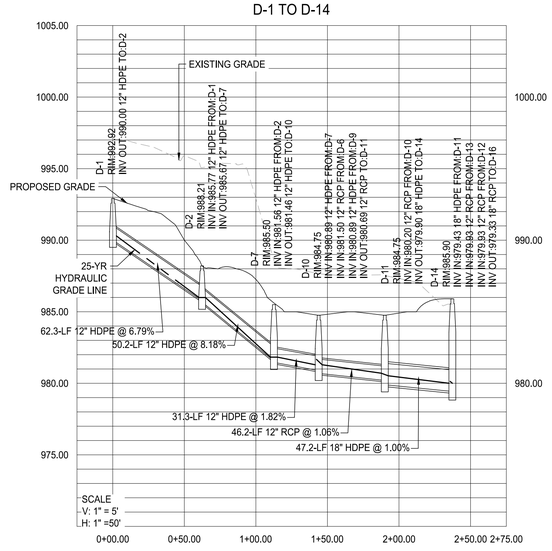

STORM SEWER LINE B
B-1 TO EX. CB




STORM SEWER LINE C
C-1 TO EX. STMH 22226




STORM SEWER LINE D
D-1 TO D-14

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| C1 | 03/28/2019 | COMMENTS PER CITY |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

CONFORM SET 04-29-2019

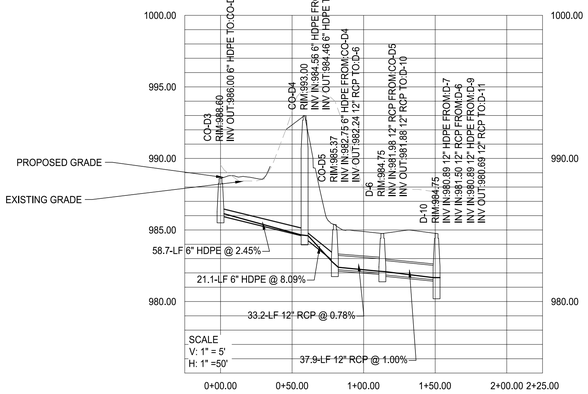
SHEET TITLE

STORM SEWER PIPE PROFILES

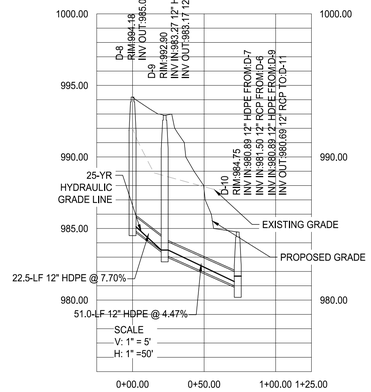
| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE AS SHOWN |
| CHECKED BY PL | |
| SHEET NO. C2.51 | |

O:\17302\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C2D_PIPE CHART & PROFILE_SERIES.dwg - Printed on 2019-04-29 at 4:05:28 PM.

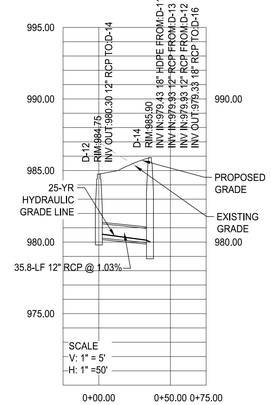
STORM SEWER LINE D
CO-D3 TO D-10



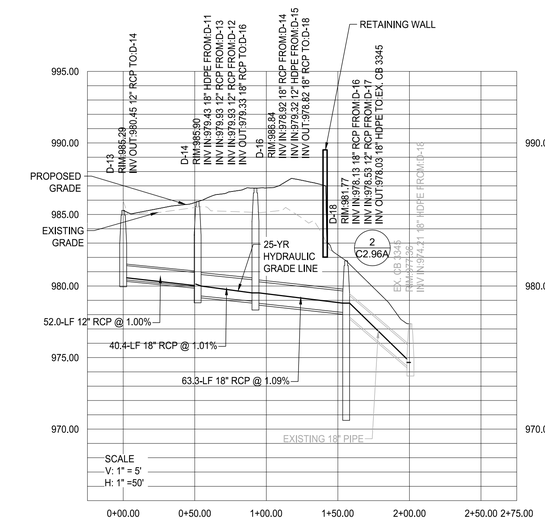

STORM SEWER LINE D
D-8 TO D-10



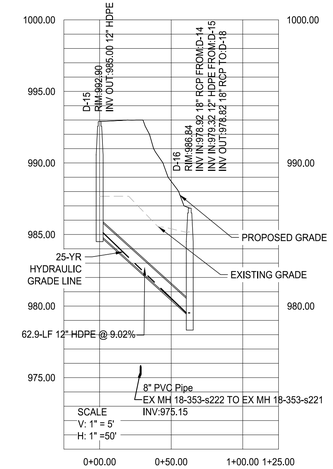

STORM SEWER LINE D
D-12 TO D-14



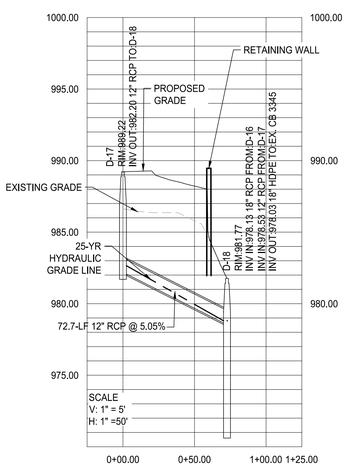

STORM SEWER LINE D
D-13 TO EX. CB 3345



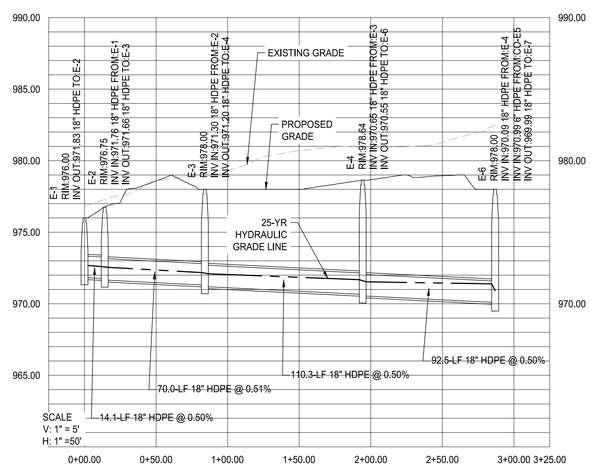

STORM SEWER LINE D
D-15 TO D-16



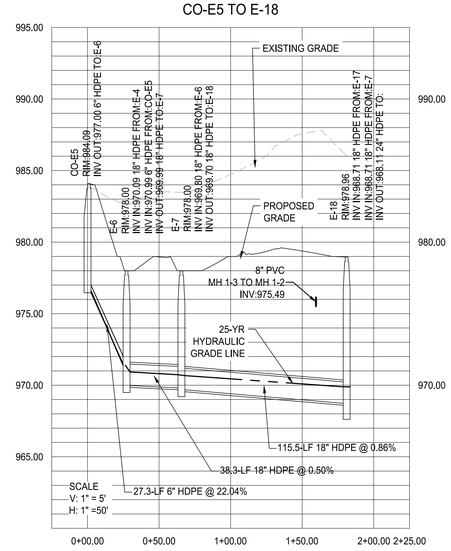

STORM SEWER LINE D
D-17 TO D-18



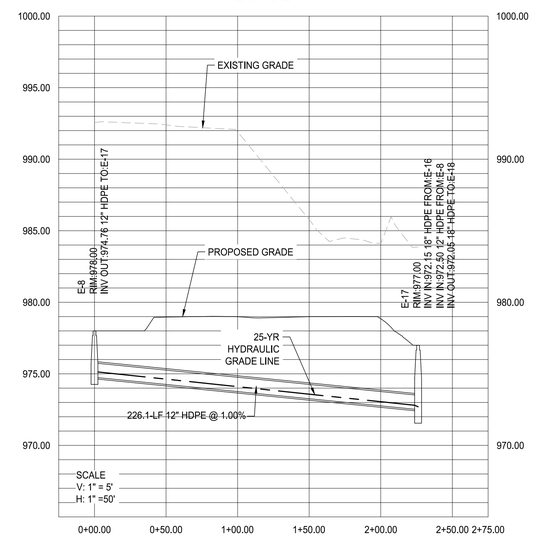

STORM SEWER LINE E
E-1 TO E-6




STORM SEWER LINE E
CO-E5 TO E-18




STORM SEWER LINE E
E-8 TO E-17

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GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| C1 | 02-22-2019 | COMMENTS PER CITY |

CONFORM SET 04-29-2019

SHEET TITLE

STORM SEWER PIPE PROFILES

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE AS SHOWN |
| CHECKED BY PL | |
| SHEET NO. C2.52 | |

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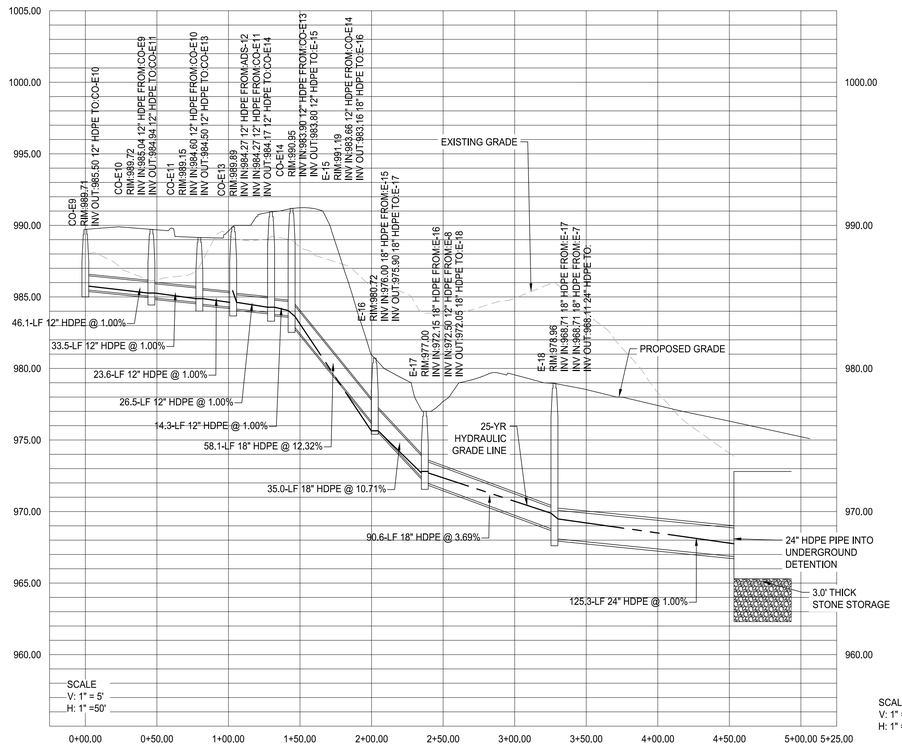
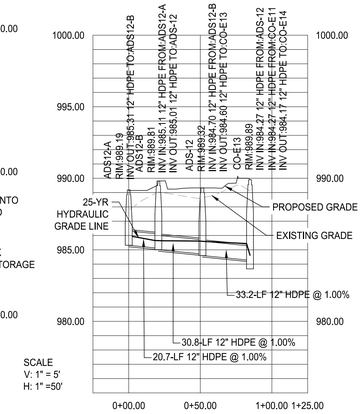
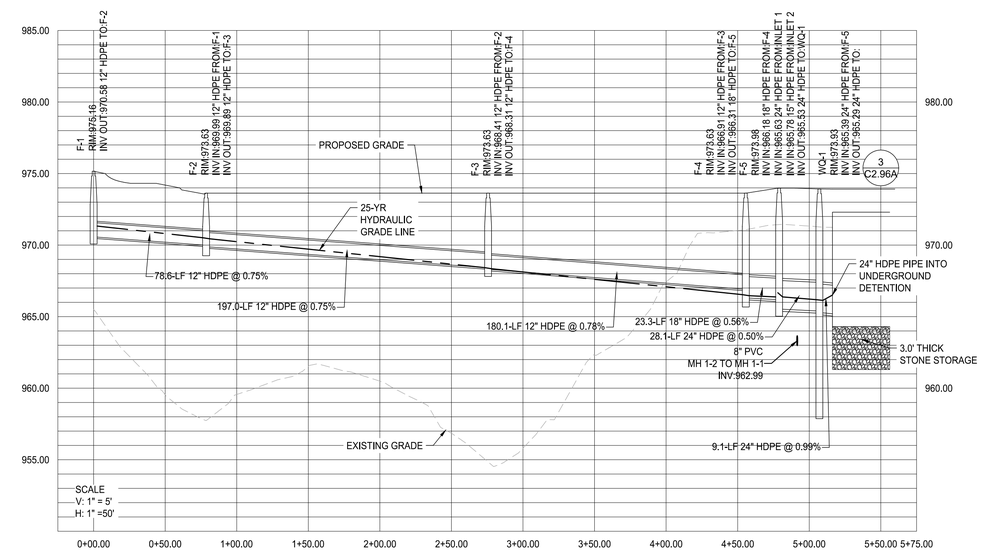
## STORM SEWER LINE E
CO-E9 TO E-18



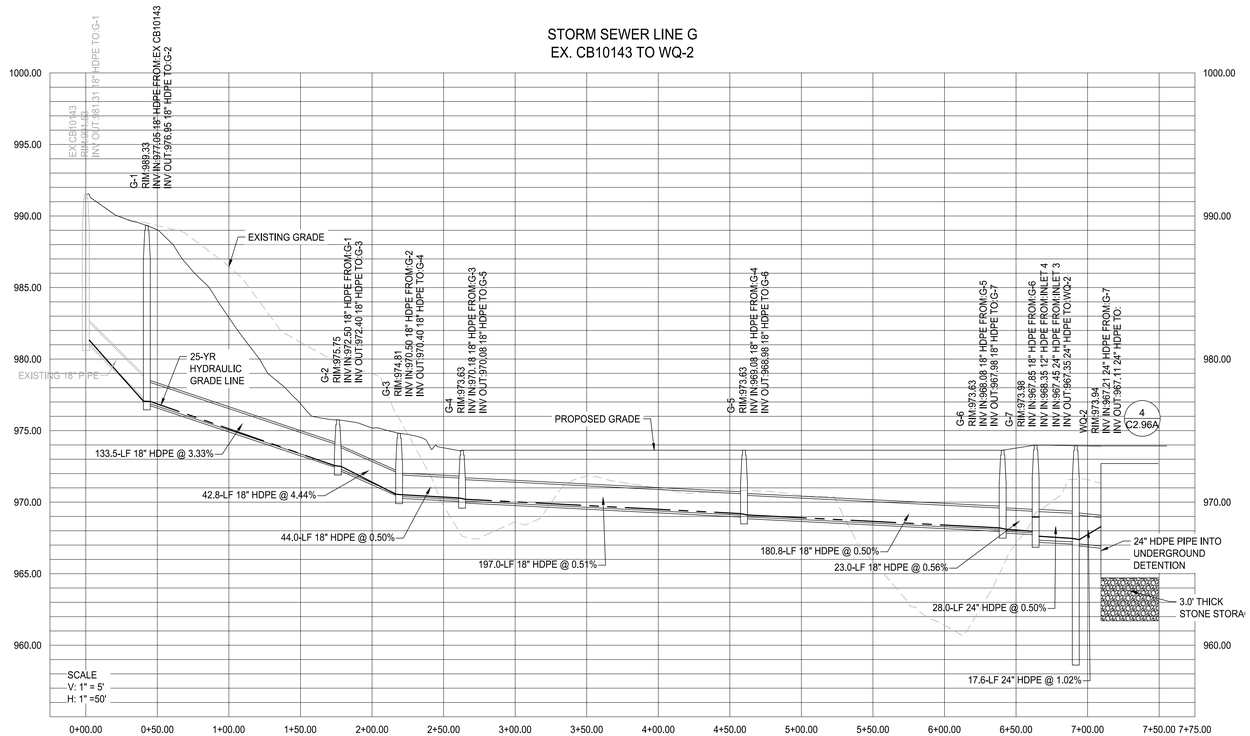

## STORM SEWER LINE E
ADS-12A TO CO-E13



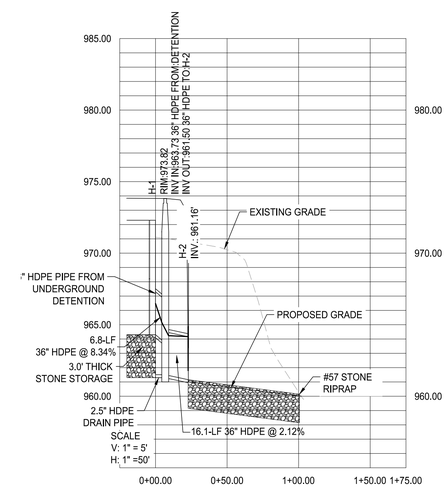

## STORM SEWER LINE F
F-1 TO WQ-1



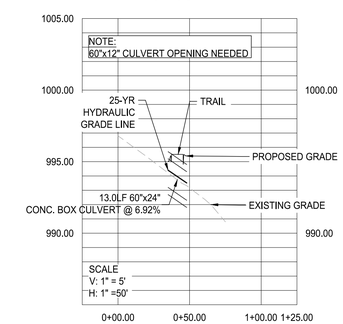

## STORM SEWER LINE G
EX. CB10143 TO WQ-2



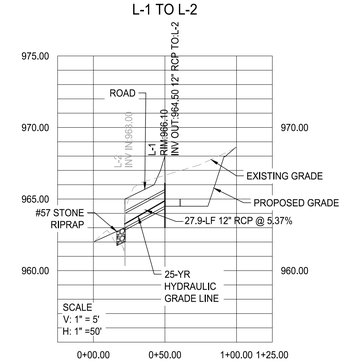

## STORM SEWER LINE H
H-1 TO H-2




## STORM SEWER LINE J
BOX CULVERT




## STORM SEWER LINE L
L-1 TO L-2

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 PEYTON IRL LINGLE 01/04/19

GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| C1 | 03/28/2019 | COMMENTS PER CITY |
| | | CONFORM SET 04-29-2019 |

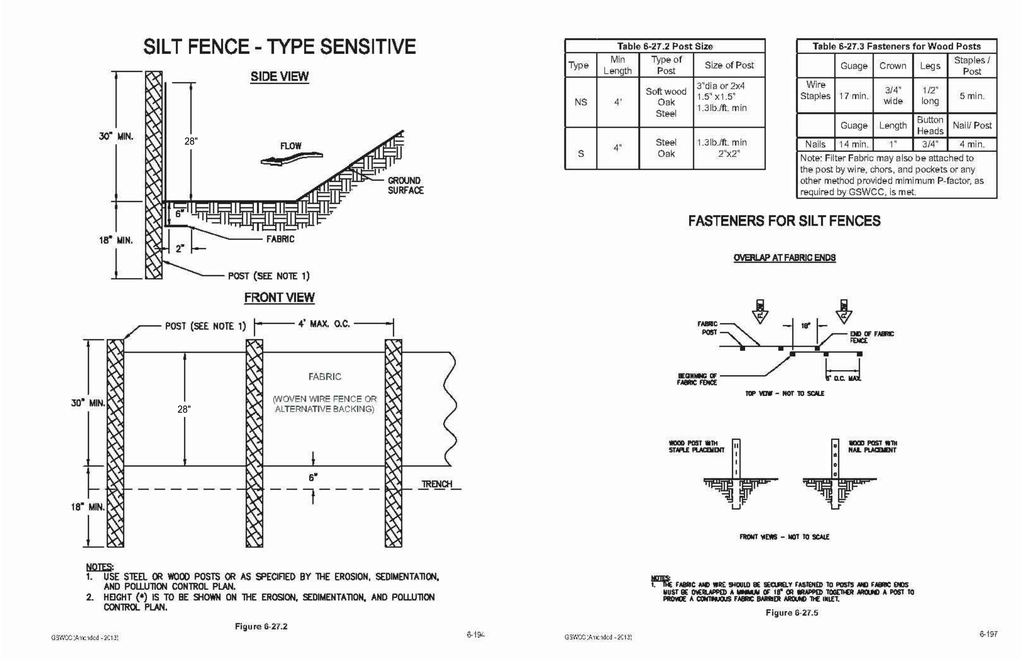
SHEET TITLE

STORM SEWER PIPE PROFILES

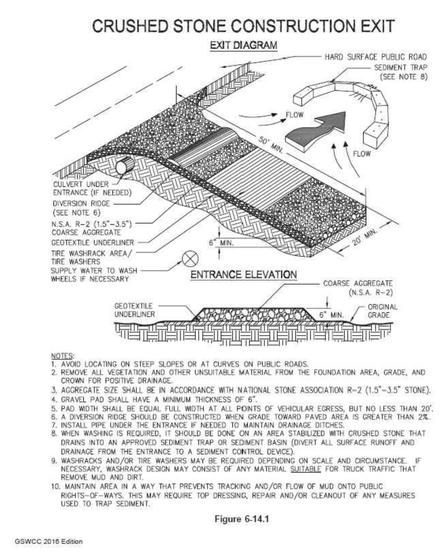
| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE AS SHOWN |
| CHECKED BY PL | |

SHEET NO.

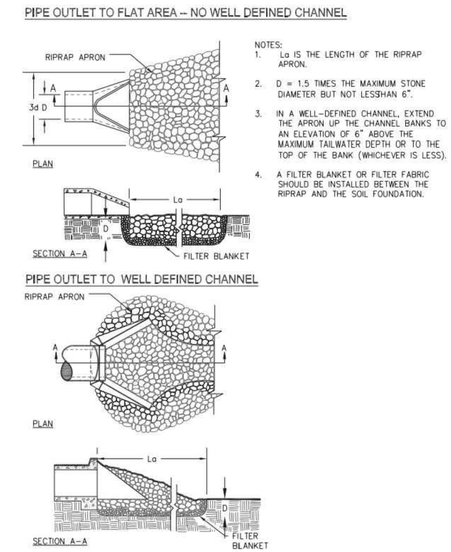
C2.53



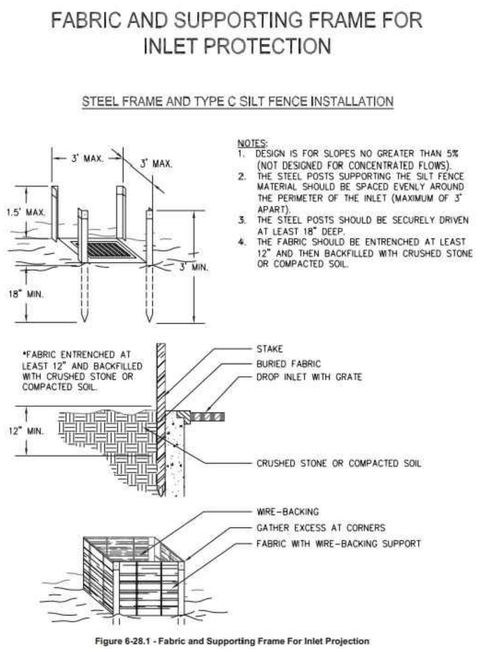

1 SILT FENCE - TYPE SENSITIVE
SCALE: NTS



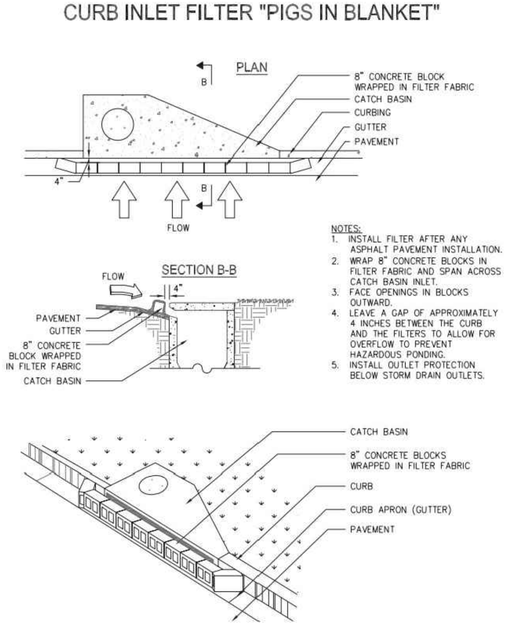

2 CONSTRUCTION EXIT
SCALE: NTS



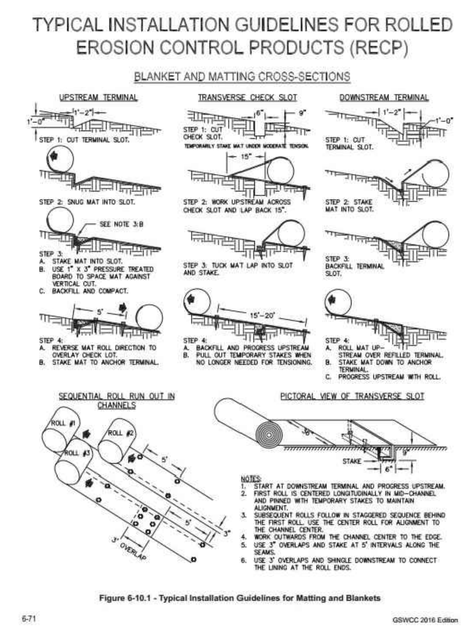

3 STORM DRAIN OUTLET PROTECTION
SCALE: NTS



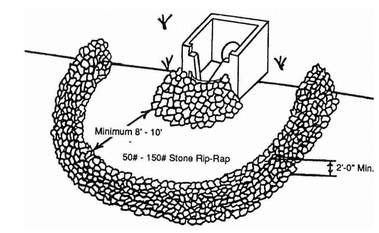

4 INLET SEDIMENT TRAP
SCALE: NTS




5 CURB INLET SEDIMENT TRAP
SCALE: NTS




6 SLOPE STABILIZATION
SCALE: NTS




7 FILTER RING
SCALE: NTS

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01/04/19
PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

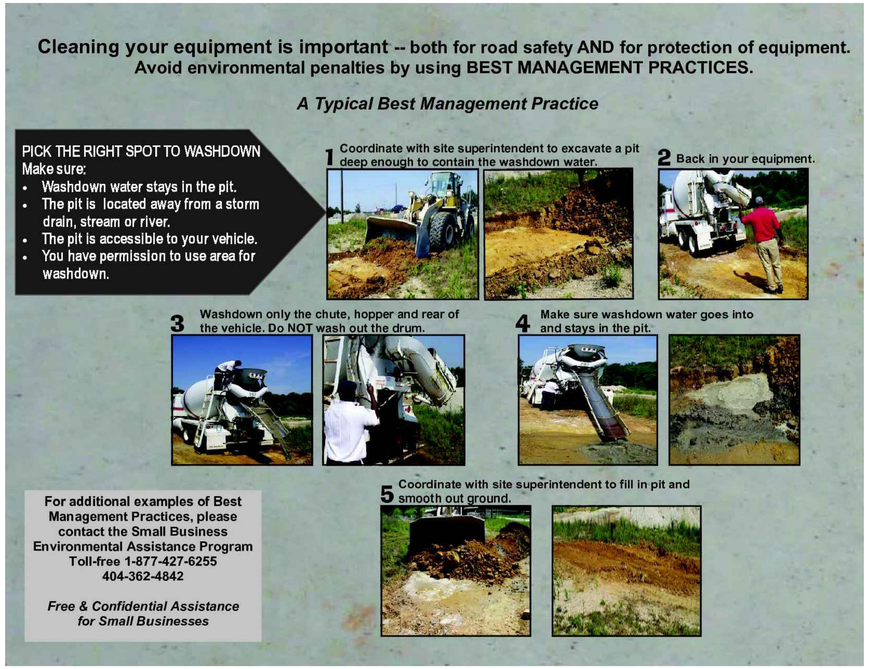
DUNWOODY

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
| CONFORM SET 04-29-2019 | |

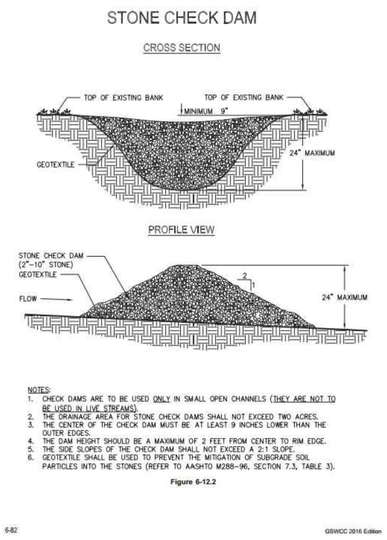
SHEET TITLE
DRAINAGE AND ESPC DETAILS

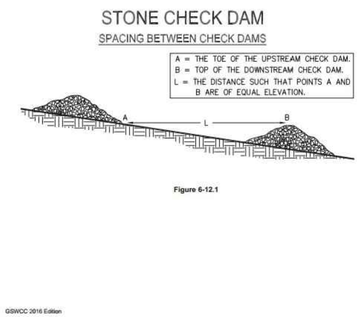
| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE NTS |
| CHECKED BY PIL | |

SHEET NO.
C2.90

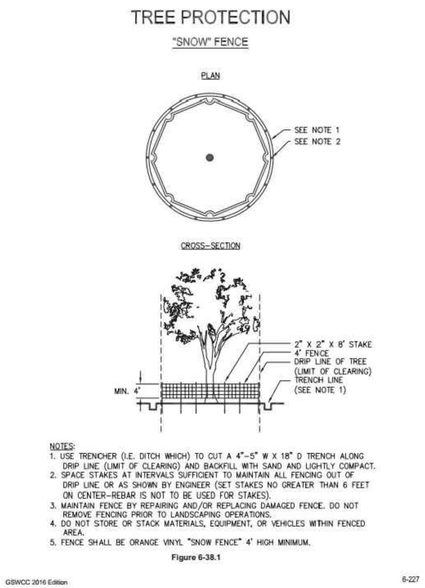



1 CONCRETE WASHDOWN PROCEDURE
SCALE: NTS

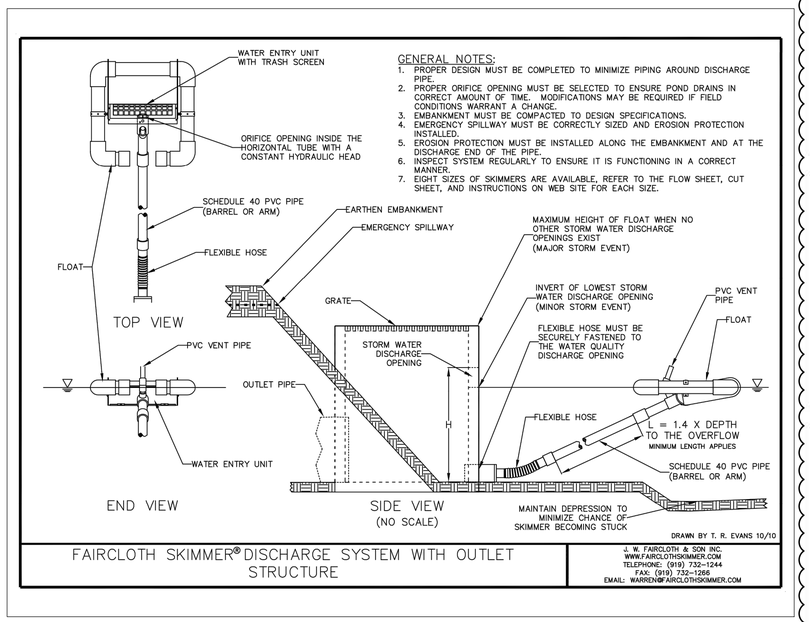



2 CHECK DAM
SCALE: NTS




3 TREE PROTECTION
SCALE: NTS




4 FLOATING SURFACE SKIMMER
SCALE: NTS

**TO BE SHOWN ON THE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN**

When a FLOATING SURFACE SKIMMER is used, show the following information along with each sediment pond, trap or basin being used on the site:

1. Pond, trap or basin size, length* (top and bottom) width* (top and bottom) and depth = 10,700 FT³
2. Time to Drain (hrs) = 48 HOURS
3. Skimmer Dimensions (orifice and head size)** SKIMMER SIZE: 2.5" SKIMMER ORIFICE DIAMETER: 2.3" SKIMMER HEAD: 4"
4. Manufacturer's name FAIRCLOTH

SKIMMER #1 - SEDIMENT BASIN #1 *feet, ** inches

**TO BE SHOWN ON THE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN**

When a FLOATING SURFACE SKIMMER is used, show the following information along with each sediment pond, trap or basin being used on the site:

1. Pond, trap or basin size, length* (top and bottom) width* (top and bottom) and depth = 34,000 FT³
2. Time to Drain (hrs) = 48 HOURS
3. Skimmer Dimensions (orifice and head size)** SKIMMER SIZE: 4" SKIMMER ORIFICE DIAMETER: 3.7" SKIMMER HEAD: 6"
4. Manufacturer's name FAIRCLOTH

SKIMMER #1 - DETENTION POND #1 *feet, ** inches

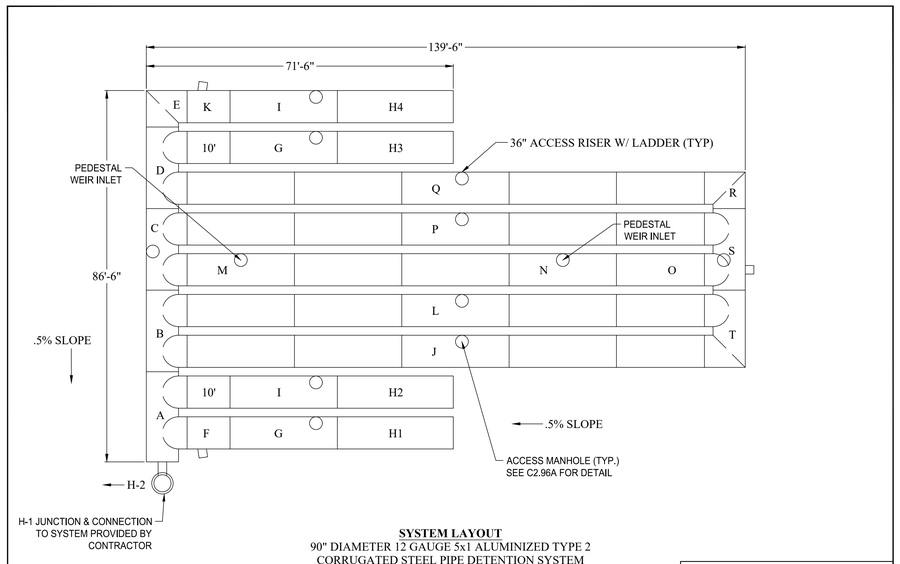
**TO BE SHOWN ON THE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN**

When a FLOATING SURFACE SKIMMER is used, show the following information along with each sediment pond, trap or basin being used on the site:

1. Pond, trap or basin size, length* (top and bottom) width* (top and bottom) and depth = 71,169 FT³
2. Time to Drain (hrs) = 48 HOURS
3. Skimmer Dimensions (orifice and head size)** SKIMMER SIZE: 6" SKIMMER ORIFICE DIAMETER: 5" SKIMMER HEAD: 8"
4. Manufacturer's name FAIRCLOTH

SKIMMER #2 - SEDIMENT BASIN #2 *feet, ** inches

G1




**SYSTEM LAYOUT**
90" DIAMETER 12 GAUGE 5x1 ALUMINIZED TYPE 2 CORRUGATED STEEL PIPE DETENTION SYSTEM

*VOLUME = 44,510 CF
*UNLABELED PIECES ARE 25' LENGTHS.
*PIPE TO BE ALUMINIZED STEEL TYPE 2 PER AASHTO M 274.
*SYSTEM TO BE INSTALLED PER AASHTO SECTION 26.

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

SOUTHEAST CULVERT, INC.
CUSTOMER:
PROJECT: BROOK RUN PARK
LOCATION: DUNWOODY, GA
MATERIAL: AT2
QUANTITY:
SCALE: N/A
DWG: BROOK RUN PARK
SHT SHTS A

5 UNDERGROUND DETENTION
SCALE: NTS

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EXPIRES: 04/29/2019

GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| C1 | 03/28/2019 | COMMENTS PER CITY |
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CONFORM SET 04-29-2019

SHEET TITLE

DRAINAGE AND ESPC DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
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SHEET NO.

C2.91

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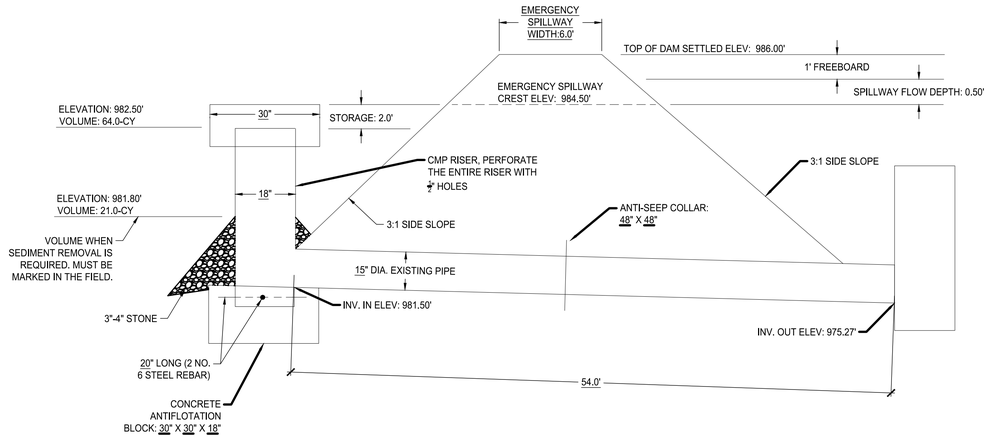
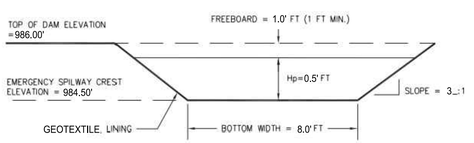



CROSS-SECTIONAL DETAIL OF EMERGENCY SPILLWAY

PROFILE ALONG CENTERLINE




EMERGENCY SPILLWAY

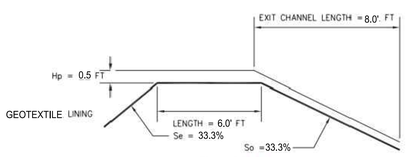
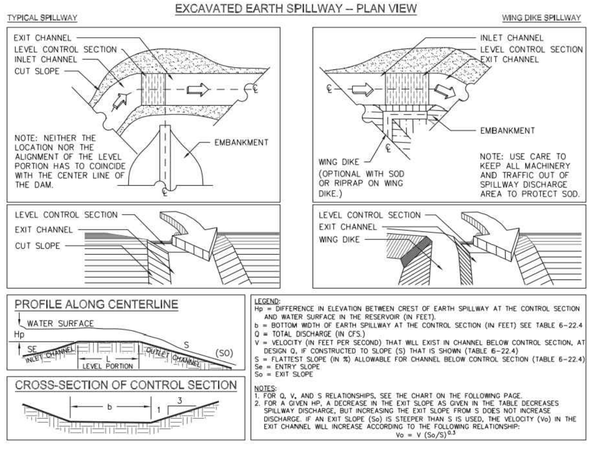



Figure 6-29.8

EXCAVATED EARTH SPILLWAY – PLAN VIEW

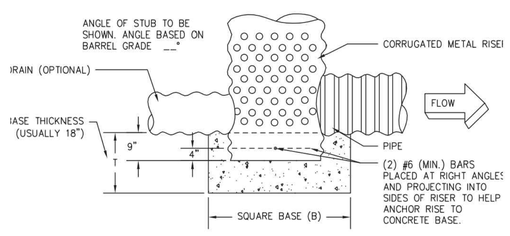



LEGEND:
Hp = DIFFERENCE IN ELEVATION BETWEEN CREST OF EARTH SPILLWAY AT THE CONTROL SECTION AND WATER SURFACE IN THE RESERVOIR (IN FEET)
b = BOTTOM WIDTH OF EARTH SPILLWAY AT THE CONTROL SECTION (IN FEET) SEE TABLE 6-22.4
Q = TOTAL DISCHARGE (IN CFS.)
V = VELOCITY (IN FEET PER SECOND) THAT WILL EXIST IN CHANNEL BELOW CONTROL SECTION, AT DESIGN Q, IF CONSTRUCTED TO SLOPE (S) THAT IS SHOWN (TABLE 6-22.4)
S = FLATTEST SLOPE (IN %) ALLOWABLE FOR CHANNEL BELOW CONTROL SECTION (TABLE 6-22.4)
Se = ENTRY SLOPE
So = EXIT SLOPE

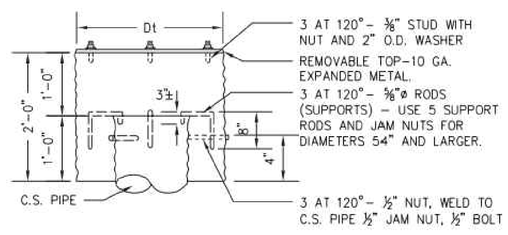
NOTES:
1. FOR Q, V, AND S RELATIONSHIPS, SEE THE CHART ON THE FOLLOWING PAGE.
2. FOR A GIVEN HP, A DECREASE IN THE EXIT SLOPE AS GIVEN IN THE TABLE DECREASES SPILLWAY DISCHARGE, BUT INCREASING THE EXIT SLOPE FROM S DOES NOT INCREASE DISCHARGE. IF AN EXIT SLOPE (So) IS STEEPER THAN S IS USED, THE VELOCITY (Vo) IN THE EXIT CHANNEL WILL INCREASE ACCORDING TO THE FOLLOWING RELATIONSHIP:
$Vo = V (So/S)^{0.3}$

1 TEMPORARY SEDIMENT BASIN #1 - SD3
SCALE: NTS

CONCRETE RISER BASE DETAIL



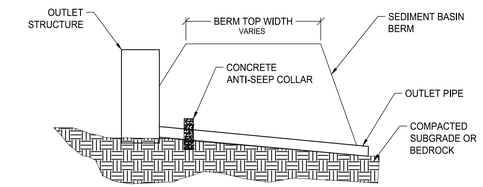

TYPICAL TRASH RACK




***TEMPORARY SEDIMENT BASIN DESIGN SHEET***

| | | |
|---|---|---|
| Project Name: | BROOK RUN PARK | |
| Basin No.: | Temporary Sediment Basin #1 - Parking Lot | |
| Total Area Draining to Basin = | 0.96 | |
| Disturbed Area Draining to Basin = | 0.96 | |
| User Input | | |
| Standard Values or From Table | | |
| Calculated | | |
| **VOLUME** | | |
| **1. Compute minimum req'd storage volume (Vs)** | | |
| Vs = 67 cy/ac * 0.96 ac = | 64 | cy |
| | 1,737 | cf |
| **2. Compute volume of basin at clean-out (Vc).** | | |
| Vc = 22 cy/ac * 0.96 ac = | 21 | cy |
| | 570 | cf |
| **3. Determine elevation corresponding to minimum req'd storage volume (Vs).** | | |
| Minimum retrofit riser crest elevation = | 982.50 | ft (determined by stage/storage relationship) |
| Actual riser crest elevation = | 982.50 | |
| **4. Determine elevation corresponding to clean-out volume (Vc)** | | |
| Clean-out elevation = | 981.80 | ft (determined by stage/storage relationship) |
| Note: Clean-out elevation shall be clearly marked on the riser or marked by a post near the riser. | | |
| **5. Compute length of riser.** | | |
| Riser length = Min elevation of riser crest - lowest elevation of pipe at riser | | |
| Riser Length = | 1.00 | ft |
| **STORMWATER RUNOFF** | | |
| **6. Compute peak discharge from a 2-yr, 24-hr storm event.** | | |
| Q2 = | 1.01 | cfs (attach runoff computation sheet) |
| **7. Compute peak discharge from a 25-yr, 24-hr storm event.** | | |
| Q25 = | 2.76 | cfs (attach runoff computation sheet) |
| **SURFACE AREA/CONFIGURATION DESIGN** | | |
| **8. Compute minimum basin surface area (SAmin).** | | |
| SAmin = .01 ac/cfs * Q2 = | 0.01 | ac |
| | 440 | sf |
| **9. Check available area at elevation of riser crest.** | | |
| Available area = | 7647.00 | sf (determined by stage/storage relationship) |
| Available area >= SAmin? | yes | |
| **10. Compute req'd length to achieve 2:1 L:W ratio.** | | |
| Average width = | 23.00 | ft |
| Req'd Length = 2*ave width = | 46.00 | ft |
| Available Length = | 51.00 | ft |
| 2:1 L:W ratio satisfied? | yes | |
| If "no", refer to Figure 6-22.2 for baffle designs. Note any required baffles on E&SC plan and include calculations and details for baffles. | | |
| **PRINCIPAL SPILLWAY (PS)** | | |
| **11. Determine maximum principal spillway capacity.** | | |
| Qmax = Q2 = | 1.01 | cfs |
| **12. Compute the vertical distance between the centerline of the outlet pipe and the emergency spillway crest (H).** | | |
| Centerline of Outlet Pipe = | 982.13 | ft 8" minimum pipe diameter |
| H = | 2.38 | ft |
| **13. Compute the total pipe length of the principal spillway, L, using Figure 6-22.3.** | | |
| L = [A-(B+C)/2][Zu+Zd] + T+ E = | 24.23 | ft |
| **14. Determine diameter of principal spillway (Dps) and flow through the principal spillway (Q) from Table 6-29.1 using H and Qmax.** | | |
| Dps = | 15.00 | in |
| Type of Pipe | CMP | |
| Q = | 4.43 | cfs |
| **15. Compute actual flow through the principal spillway, using Table 6-22.1 to determine the correction factor for pipe length, L.** | | |
| Correction Factor = | 1.00 | (from table) |
| Qps = Q*correction factor = | 4.43 | cfs |
| **16. Compute the riser diameter (Dr).** | | |
| Dr = 1.5 * Dps = | 22.50 | in |
| **17. Compute trash rack diameter (Dt).** | | |
| Dt = 1.4*Dr = | 31.50 | in |
| **18. Determine the minimum distance between the riser crest and the emergency spillway crest, h, using Table 6-29.2, Dr, and Qps.** | | |
| h = | 0.80 | ft (from table) |
| **CONCRETE RISER BASE DESIGN** | | |
| **19. Determine volume of concrete per verticle foot (VF) of riser height needed, from Table 6-22.3 to prevent flotation.** | | |
| Riser Pipe Dia = | 22.50 | in |
| Req'd vol of concrete per VF = | 1.54 | cf/VF |
| **20. Compute total volume of concrete required.** | | |
| Riser Length = | 1.00 | ft |
| Total req'd vol of concrete = | 1.54 | cf |
| **21. Assume base thickness B (usually 18").** | | |
| B = | 18.00 | in |
| OR | | in |
| B = | 1.50 | ft |
| **22. Compute Req'd surface area.** | | |
| Req'd surface area = | 1.03 | sf |
| **23. Compute Riser base length (l) and width (w) (assume square base)** | | |
| l = w = | 1.01 | ft |
| | 12.16 | in |
| Overall Dimensions of Riser Box | | |
| Length = | 30.00 | in |
| Width = | 30.00 | in |
| Thickness = | 18.00 | in |
| **ANTI-SEEP COLLAR DESIGN** | | |
| **24. Determine if anti-seep collar is req'd. If yes to any of the following conditions, a collar is req'd.** | | |
| no | The settled height of the dam is greater than 15 ft. | |
| no | The principal spillway diameter (Dps) is smooth pipe larger than 8 in. | |
| yes | The principal spillway diameter (Dps) is corrugated metal pipe larger than 12 in. | |
| **25. Determine size of anti-seep collar req'd.** | | |
| | 18 in projection (for heads (H) less than or equal to 10 ft) | |
| | 24 in projection (for heads (H) greater than 10 ft) | |
| **EMERGENCY SPILLWAY (ES)** | | |
| **26. Compute minimum capacity of emergency spillway (Qes)** | | |
| Qes = Q25-Qps = | -2 | cfs |
| **27. Determine stage (Hp), bottom width (b), velocity (V), and minimum exit slope (S) using Table 6-29.4 and Qes.** | | |
| Hp = | 0.50 | ft |
| b = | 8.00 | ft |
| V = | 2.70 | fps |
| S = | 3.90 | % |
| **28. Actual entrance channel slope, Se =** | 33.33 | % |
| **29. Actual exit channel slope, So =** | 33.33 | % |
| Note: If So is steeper than S (from table 6-22.4), then the velocity in the exit channel will increase. | | |
| a.) Calculate new exit velocity (Vo) | | |
| Vo = V (So/S)^0.3 = | 5.14 | fps |
| Note: Refer to Channel Stabilization to determine the proper lining for the emergency spillway. | | |
| Grass | | |
| Rip Rap | X | |
| Concrete | | |
| **DESIGN ELEVATIONS** | | |
| **30. Riser crest elevation =** | 982.50 | ft |
| **31. Compute min. emergency spillway crest elevation.** | | |
| Min emergency spillway crest elevation = riser crest elevation + h | | |
| Min emergency spillway crest elevation = | 983.30 | ft |
| Actual emergency spillway crest elevation = | 984.50 | ft |
| **32. Determine design high water elevation.** | | |
| Design high water elevation = min emergency spillway crest elev. + stage elev (Hp) | | |
| Design high water elevation = | 985.00 | ft |
| **33. Determine elevation of top of dam.** | | |
| Elevation of top of dam = design high water elevation + 1 ft freeboard | | |
| Elevation of top of dam = | 986.00 | ft |
| Actual top of dam= | 986.00 | ft |

**PLEASE NOTE THAT DESIGN VALUES DETERMINED BY THIS SHEET REPRESENT THE MINIMUM REQUIREMENTS FOR A TEMPORARY SEDIMENT BASIN.**




NOTE:
1. ALL JOINTS AND CONNECTIONS TO THE ANTI-SEEP COLLARS SHALL BE WATERTIGHT.
2. COLLAR TO BE PLACED BEFORE FIRST JOINT IN OUTLET PIPE.
3. CONCRETE TO BE 3500 PSI.
4. COLLAR TO PROJECT A MINIMUM 18" VERTICALLY BELOW THE BOTTOM OF THE STONE TRENCH AND 18" ABOVE THE TOP OF THE OUTLET PIPE.
5. THE COLLAR SHALL BE A MINIMUM OF 1.0' THICK.
6. COMPACTED SUBGRADE SHALL CONSIST OF CLAY SOIL COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR.

2 ANTI-SEEP COLLAR
SCALE: NTS

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| G1 | 01/29/2019 | GASWCC COMMENTS |
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CONFORM SET 04-29-2019

SHEET TITLE
DRAINAGE AND ESPC DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE NTS |
| CHECKED BY PIL | |

SHEET NO.
C2.92

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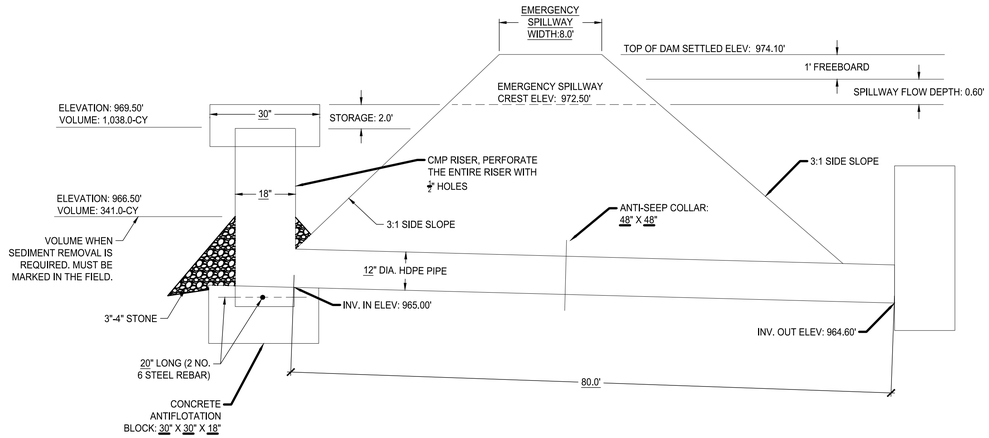
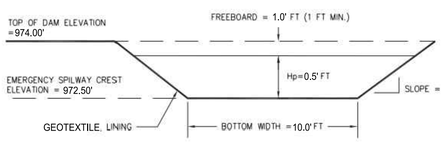



## CROSS-SECTIONAL DETAIL OF EMERGENCY SPILLWAY

PROFILE ALONG CENTERLINE




EMERGENCY SPILLWAY

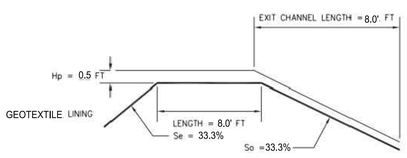
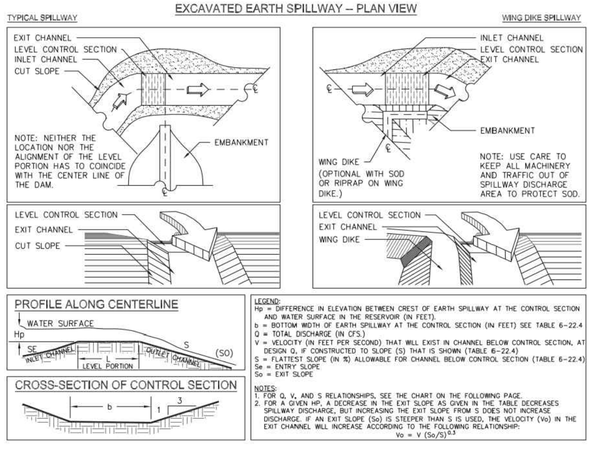



Figure 6-29.8

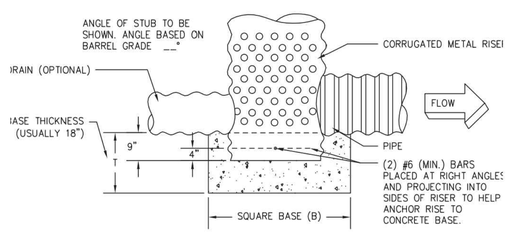
EXCAVATED EARTH SPILLWAY – PLAN VIEW



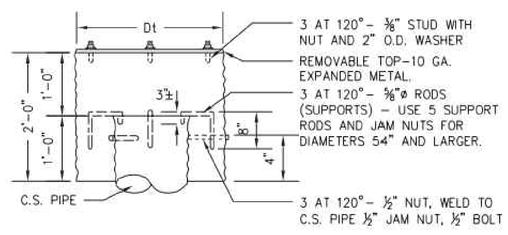

LEGEND:
Hp = DIFFERENCE IN ELEVATION BETWEEN CREST OF EARTH SPILLWAY AT THE CONTROL SECTION AND WATER SURFACE IN THE RESERVOIR (IN FEET).
b = BOTTOM WIDTH OF EARTH SPILLWAY AT THE CONTROL SECTION (IN FEET) SEE TABLE 6-22.4
Q = TOTAL DISCHARGE (IN CFS.)
V = VELOCITY (IN FEET PER SECOND) THAT WILL EXIST IN CHANNEL BELOW CONTROL SECTION, AT DESIGN Q, IF CONSTRUCTED TO SLOPE (S) THAT IS SHOWN (TABLE 6-22.4)
S = FLATTEST SLOPE (IN %) ALLOWABLE FOR CHANNEL BELOW CONTROL SECTION (TABLE 6-22.4)
Se = ENTRY SLOPE
So = EXIT SLOPE

NOTES:
1. FOR Q, V, AND S RELATIONSHIPS, SEE THE CHART ON THE FOLLOWING PAGE.
2. FOR A GIVEN HP, A DECREASE IN THE EXIT SLOPE AS GIVEN IN THE TABLE DECREASES SPILLWAY DISCHARGE, BUT INCREASING THE EXIT SLOPE FROM S DOES NOT INCREASE DISCHARGE. IF AN EXIT SLOPE (So) IS STEEPER THAN S IS USED, THE VELOCITY (Vo) IN THE EXIT CHANNEL WILL INCREASE ACCORDING TO THE FOLLOWING RELATIONSHIP:
$Vo = V (So/S)^{0.3}$

CONCRETE RISER BASE DETAIL




TYPICAL TRASH RACK

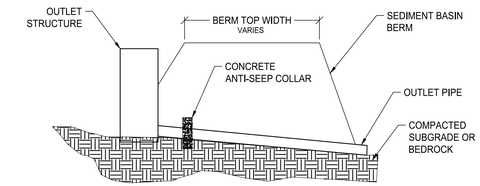



1 TEMPORARY SEDIMENT BASIN #2 - SD3
SCALE: NTS

## TEMPORARY SEDIMENT BASIN DESIGN SHEET

| | | |
|---|---|---|
| Project Name: | BROOK RUN PARK | |
| Basin No.: | Temporary Sediment Basin #2 - Mutlipurpose Fields | |
| Total Area Draining to Basin = | 15.49 | |
| Disturbed Area Draining to Basin = | 15.49 | |
| User Input | | |
| Standard Values or From Table | | |
| Calculated | | |
| **VOLUME** | | |
| **1. Compute minimum req'd storage volume (Vs)** | | |
| Vs = 67 cy/ac * 15.49 ac = | 1,038 | cy |
| | 28,021 | cf |
| **2. Compute volume of basin at clean-out (Vc).** | | |
| Vc = 22 cy/ac * 15.49 ac = | 341 | cy |
| | 9,201 | cf |
| **3. Determine elevation corresponding to minimum req'd storage volume (Vs).** | | |
| Minimum retrofit riser crest elevation = | 969.50 | ft (determined by stage/storage relationship) |
| Actual riser crest elevation = | 969.50 | |
| **4. Determine elevation corresponding to clean-out volume (Vc)** | | |
| Clean-out elevation = | 966.50 | ft (determined by stage/storage relationship) |
| Note: Clean-out elevation shall be clearly marked on the riser or marked by a post near the riser. | | |
| **5. Compute length of riser.** | | |
| Riser length = Min elevation of riser crest - lowest elevation of pipe at riser | | |
| Riser Length = | 4.50 | ft |
| **STORMWATER RUNOFF** | | |
| **6. Compute peak discharge from a 2-yr, 24-hr storm event.** | | |
| Q2 = | 5.34 | cfs (attach runoff computation sheet) |
| **7. Compute peak discharge from a 25-yr, 24-hr storm event.** | | |
| Q25 = | 8.17 | cfs (attach runoff computation sheet) |
| **SURFACE AREA/CONFIGURATION DESIGN** | | |
| **8. Compute minimum basin surface area (SAmin).** | | |
| SAmin = .01 ac/cfs * Q2 = | 0.05 | ac |
| | 2326 | sf |
| **9. Check available area at elevation of riser crest.** | | |
| Available area = | 20880.50 | sf (determined by stage/storage relationship) |
| Available area >= SAmin? | yes | |
| **10. Compute req'd length to achieve 2:1 L:W ratio.** | | |
| Average width = | 51.00 | ft |
| Req'd Length = 2*ave width = | 102.00 | ft |
| Available Length = | 177.00 | ft |
| 2:1 L:W ratio satisfied? | yes | |
| If "no", refer to Figure 6-22.2 for baffle designs. Note any required baffles on E&SC plan and include calculations and details for baffles. | | |
| **PRINCIPAL SPILLWAY (PS)** | | |
| **11. Determine maximum principal spillway capacity.** | | |
| Qmax = Q2 = | 5.34 | cfs |
| **12. Compute the vertical distance between the centerline of the outlet pipe and the emergency spillway crest (H).** | | |
| Centerline of Outlet Pipe = | 965.50 | ft 8" minimum pipe diameter |
| H = | 7.00 | ft |
| **13. Compute the total pipe length of the principal spillway, L, using Figure 6-22.3.** | | |
| L = [A-(B+C)/2][Zu+Zd] + T+ E = | 29.40 | ft |
| **14. Determine diameter of principal spillway (Dps) and flow through the principal spillway (Q) from Table 6-29.1 using H and Qmax.** | | |
| Dps = | 12.00 | in |
| Type of Pipe | CMP | |
| Q = | 5.61 | cfs |
| **15. Compute actual flow through the principal spillway, using Table 6-22.1 to determine the correction factor for pipe length, L.** | | |
| Correction Factor = | 1.36 | (from table) |
| Qps = Q*correction factor = | 7.63 | cfs |
| **16. Compute the riser diameter (Dr).** | | |
| Dr = 1.5 * Dps = | 18.00 | in |
| **17. Compute trash rack diameter (Dt).** | | |
| Dt = 1.4*Dr = | 25.20 | in |
| **18. Determine the minimum distance between the riser crest and the emergency spillway crest, h, using Table 6-29.2, Dr, and Qps.** | | |
| h = | 0.80 | ft (from table) |
| **CONCRETE RISER BASE DESIGN** | | |
| **19. Determine volume of concrete per verticle foot (VF) of riser height needed, from Table 6-22.3 to prevent flotation.** | | |
| Riser Pipe Dia = | 18.00 | in |
| Req'd vol of concrete per VF = | 1.54 | cf/VF |
| **20. Compute total volume of concrete required.** | | |
| Riser Length = | 4.50 | ft |
| Total req'd vol of concrete = | 6.93 | cf |
| **21. Assume base thickness B (usually 18").** | | |
| B = | 18.00 | in |
| OR | | in |
| B = | 1.50 | ft |
| **22. Compute Req'd surface area.** | | |
| Req'd surface area = | 4.62 | sf |
| **23. Compute Riser base length (l) and width (w) (assume square base)** | | |
| l = w = | 2.15 | ft |
| | 25.79 | in |
| Overall Dimensions of Riser Box | | |
| Length = | 30.00 | in |
| Width = | 30.00 | in |
| Thickness = | 18.00 | in |
| **ANTI-SEEP COLLAR DESIGN** | | |
| **24. Determine if anti-seep collar is req'd. If yes to any of the following conditions, a collar is req'd.** | | |
| no | The settled height of the dam is greater than 15 ft. | |
| no | The principal spillway diameter (Dps) is smooth pipe larger than 8 in. | |
| no | The principal spillway diameter (Dps) is corrugated metal pipe larger than 12 in. | |
| **25. Determine size of anti-seep collar req'd.** | | |
| | 18 in projection (for heads (H) less than or equal to 10 ft) | |
| | 24 in projection (for heads (H) greater than 10 ft) | |
| **EMERGENCY SPILLWAY (ES)** | | |
| **26. Compute minimum capacity of emergency spillway (Qes)** | | |
| Qes = Q25-Qps = | 1 | cfs |
| **27. Determine stage (Hp), bottom width (b), velocity (V), and minimum exit slope (S) using Table 6-29.4 and Qes.** | | |
| Hp = | 0.60 | ft |
| b = | 12.00 | ft |
| V = | 3.00 | fps |
| S = | 3.70 | % |
| **28. Actual entrance channel slope, Se =** | 33.33 | % |
| **29. Actual exit channel slope, So =** | 33.33 | % |
| Note: If So is steeper than S (from table 6-22.4), then the velocity in the exit channel will increase. | | |
| a.) Calculate new exit velocity (Vo) | | |
| Vo = V (So/S)^0.3 = | 5.80 | fps |
| Note: Refer to Channel Stabilization to determine the proper lining for the emergency spillway. | | |
| Grass | | |
| Rip Rap | X | |
| Concrete | | |
| **DESIGN ELEVATIONS** | | |
| **30. Riser crest elevation =** | 969.50 | ft |
| **31. Compute min. emergency spillway crest elevation.** | | |
| Min emergency spillway crest elevation = riser crest elevation + h | | |
| Min emergency spillway crest elevation = | 970.30 | ft |
| Actual emergency spillway crest elevation = | 972.50 | ft |
| **32. Determine design high water elevation.** | | |
| Design high water elevation = min emergency spillway crest elev. + stage elev (Hp) | | |
| Design high water elevation = | 973.10 | ft |
| **33. Determine elevation of top of dam.** | | |
| Elevation of top of dam = design high water elevation + 1 ft freeboard | | |
| Elevation of top of dam = | 974.10 | ft |
| Actual top of dam= | 974.10 | ft |

**PLEASE NOTE THAT DESIGN VALUES DETERMINED BY THIS SHEET REPRESENT THE MINIMUM REQUIREMENTS FOR A TEMPORARY SEDIMENT BASIN.**




NOTE:
1. ALL JOINTS AND CONNECTIONS TO THE ANTI-SEEP COLLARS SHALL BE WATERTIGHT.
2. COLLAR TO BE PLACED BEFORE FIRST JOINT IN OUTLET PIPE.
3. CONCRETE TO BE 3500 PSI.
4. COLLAR TO PROJECT A MINIMUM 18" VERTICALLY BELOW THE BOTTOM OF THE STONE TRENCH AND 18" ABOVE THE TOP OF THE OUTLET PIPE.
5. THE COLLAR SHALL BE A MINIMUM OF 1.0' THICK.
6. COMPACTED SUBGRADE SHALL CONSIST OF CLAY SOIL COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR.

2 ANTI-SEEP COLLAR
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| G1 | 01/29/2019 | GASWCC COMMENTS |
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CONFORM SET 04-29-2019

SHEET TITLE
DRAINAGE AND ESPC DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE NTS |
| CHECKED BY PIL | |

SHEET NO.
C2.92A

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## Disturbed Area Stabilization (With Mulching Only) Ds1

**DEFINITION**

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

**PURPOSE**

- To reduce runoff and erosion
- To conserve moisture
- To prevent surface compaction or crusting
- To control undesirable vegetation
- To modify soil temperature
- To increase biological activity in the soil

**REQUIREMENT FOR REGULATORY COMPLIANCE**

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored and have a continuous 90% cover or greater of the soil surface.

Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months.

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to **Ds2 -Disturbed Area Stabilization (With Temporary Seeding), Ds3 - Disturbed Area Stabilization (With Permanent Seeding), and Ds4 - Disturbed Area Stabilization (With Sodding)**.

**SPECIFICATIONS**

**Mulching Without Seeding**

This standard applies to graded or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

**Site Preparation**

1. Grade to permit the use of equipment for applying and anchoring mulch.
2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
3. Loosen compact soil to a minimum depth of 3 inches.

**Mulching Materials**

Select one of the following materials and apply at the depth indicated:

1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

**Applying Mulch**

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
3. Apply polyethylene film on exposed areas.

**Anchoring Mulch**

1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

   Straw or hay mulch spread with special blower-type equipment may be anchored. Tackifers, binders and hydraulic mulch with tackifier specifically desgined for tacking straw can be substituted for emulsified asphalt. Please refer to specification **Tac-Tackifers**. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.
2. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
3. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

GSWCC 2016 Edition 6-27

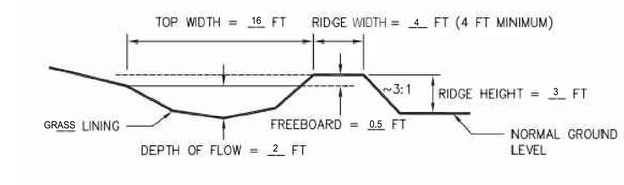
1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
SCALE: NTS

Table 1.
**Spray-On Adhesive Application Requirements**

| Adhesive | Water Dilution | Nozzle Type | Application (Gal./Acre) |
|---|---|---|---|
| Anionic asphalt emulsion | 7:1 | Coarse spray | 1,200 |
| Latex emulsion | 12.5:1 | Fine spray | 235 |
| Resin-in-water emulsion | 4:1 | Fine spray | 300 |

NOTES:
1. APPLY ACCORDING TO PLAN
2. MULCH DISTURBED AREAS AND TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL, OR TERRATACK ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION.
4. IRRIGATE DISTURBED AREAS UNTIL SURFACE IS WET.
5. COVER SURFACES WITH CRUSHED STONE OR GRAVEL.
6. APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACES MOIST.
7. APPLY SPRAY-ON ADHESIVES TO MINERAL SOILS DESCRIBED IN TABLE 1.
8. PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING.
9. SUPPLEMENT SURFACE COVERING AS NEEDED.

2 DUST CONTROL
SCALE: NTS




3 DIVERSION
SCALE: NTS

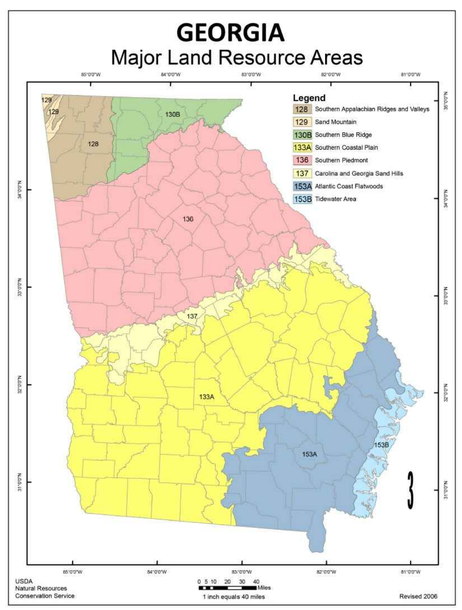



Figure 6-4.1

Table 6-4.1 - Temporary Cover or Companion Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS [1]

| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates): J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| BARLEY *Hordeum vulgare* | | | | | |
| alone | 3 bu. (144 lbs) | 3.3 lbs | M-L | | 14,000 seed per pound. Winter hardy. Use on productive soils. |
| in mixture | 1/2 bu. (24lbs) | 0.6 lb | P | | |
| | | | C | | |
| LESPEDEZA, ANNUAL *Lespedeza striata* | | | | | |
| alone | 40 lbs | 0.9 lb | M-L | | 200,000 seed per pound. May volunteer for several years. Use inoculant EL. |
| in mixture | 10 lbs | 0.2 lb | P | | |
| | | | C | | |
| LOVEGRASS, WEEPING *Eragrostis curvula* | | | | | |
| alone | 4 lbs | 0.1 lb | M-L | | 1,500,000 seed per pound. May last for several years. Mix with *Lespedeza lespedeza*. |
| in mixture | 2 lbs | 0.05 lb | P | | |
| | | | C | | |
| MILLET, BROWNTOP *Panicum fasciculatum* | | | | | |
| alone | 40 lbs | 0.9 lb | M-L | | 137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if seeded at high rate. |
| in mixture | 10 lbs | 0.2 lb | P | | |
| | | | C | | |

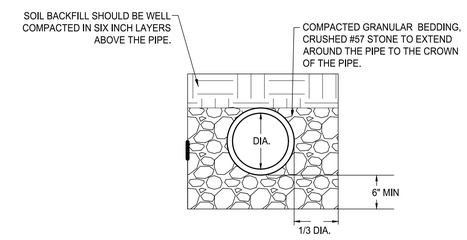
| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates): J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| MILLET, PEARL *Pennesetum glaucum* | | | | | |
| alone | 50 lbs | 1.1 lbs | M-L | | 88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures. |
| | | | P | | |
| | | | C | | |
| OATS *Avena sativa* | | | | | |
| alone | 4 bu. (128 lbs) | 2.9 lbs | M-L | | 13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley. |
| in mixture | 1 bu. (32 lbs) | 0.7 lb | P | | |
| | | | C | | |
| RYE *Secale cerrale* | | | | | |
| alone | 3 bu. (168 lbs) | 3.9 lbs | M-L | | 18,000 seed per pound. Quick cover. Drought tolerant and winter hardy. |
| in mixture | 1/2 bu. (28 lbs) | 0.6 lb | P | | |
| | | | C | | |
| RYEGRASS, ANNUAL *Lolium temulentum* | | | | | |
| alone | 40 lbs | 0.9 lb | M-L | | 227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures. |
| | | | P | | |
| | | | C | | |
| SUDANGRASS *Sorghum sudanese* | | | | | |
| alone | 60 lbs | 1.4 lbs | M-L | | 55,000 seed per pound. Good on droughty sites. Not recommended for mixtures. |
| | | | P | | |
| | | | C | | |

| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates): J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| TRITICALE *X-Triticosecale* | | | | | |
| alone | 3 bu. (144 lbs) | 3.3 lbs | C | | Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only. |
| in mixture | 1/2 bu. (24 lbs) | 0.6 lb | | | |
| WHEAT *Triticum aestivum* | | | | | |
| alone | 3 bu. (180 lbs) | 4.1 lbs | M-L | | 15,000 seed per pound. Winter hardy. |
| in mixture | 1/2 bu. (30 lbs) | 0.7 lb | P | | |
| | | | C | | |

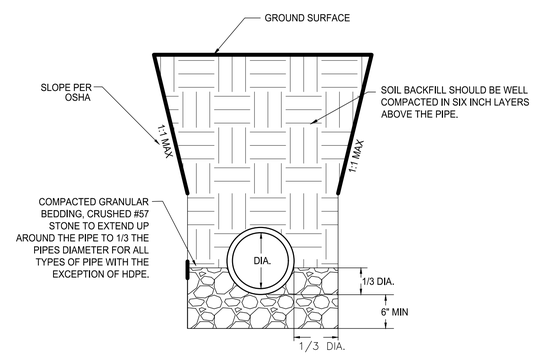
[1] Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily
[2] Reduce seeding rates by 50% when drilled.
[3] M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plan; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs
(see Figure 6-4.1, p. 6-40)

GSWCC 2016 Edition 6-34

4 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
SCALE: NTS




HDPE BEDDING DETAIL




TYPICAL STORM PIPE BEDDING DETAIL EXCLUDING HDPE

5 STORM PIPE BEDDING
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER PEYTON IRL LINGLE No. PE041517 01/04/19

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
| - - | - |
| - - | - |
| - - | - |
| - - | - |
| - - | - |
| - - | - |
| - - | - |
| - - | - |
| CONFORM SET 04-29-2019 | |

SHEET TITLE
DRAINAGE AND ESPC DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE NTS |
| CHECKED BY PIL | |
| SHEET NO. C2.93 | |

G:\17302\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01-SHEETS\17302_C2B1_DRAINAGE AND ESPC DETAIL_SERIES.dwg - Printed on 2019-04-29 at 5:09:40 PM.

GSWCC 2016 Edition

Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| BAHIA, PENSACOLA *Paspalum notatum* | | | | | |
| alone or with temporary cover | 60 lbs | 1.4 lbs | P | | 165,000 seed per pound. Low growing. Sod forming. Slow to establish. Plant with a companion crop. Will spread nto bermuda pastures and awns. Mix with Sericea lespedeza or weeping lovegrass. |
| with other perennials | 30 lbs | 0.7 lb | C | | |
| BAHIA, WILMINGTON *Paspalum notatum* | | | | | |
| alone or with temporary cover | 60 lbs | 1.4 lbs | M-L | | |
| with other perennials | 30 lbs | 0.7 lb | P | | Same as above. |
| BERMUDA, COMMON *Cynodon dactylon* | | | | | |
| Hulled seed | | | P | | |
| alone | 10 lbs | 0.2 lb | C | | 1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fileds. |
| with other perennials | 6 lbs | 0.7 lb | | | |
| BERMUDA, COMMON *Cynodon dactylon* | | | | | |
| Unhulled seed | | | | | |
| with temporary cover | 10 lbs | 0.2 lb | P | | Plant with winter annuals. |
| with other perennials | 6 lbs | 0.1 lb | C | | Plant with Tall Fescue |



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Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| LESPEDEZA Ambro virgata *Lespedeza virgata DC* or Appalow *Lespedeza cuneata (Dumont) G. Don)* | | | | | |
| scarified | 60 lbs | 1.4 lb | M-L<br>P<br>C | | 300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth. New growth has bronze coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Sericea lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculant. |
| unscarified | 75 lbs | 1.7 lb | M-L<br>P<br>C | | |
| LESPEDEZA, SHRUB *Lespedeza bicolor* *Lespedeza thunbergii* | | | | | |
| plants | 3' x3' | | M-L<br>P<br>C | | Provide wildlife food and cover. |
| LOVEGRASS, WEEPING *Eragrostis curvula* | | | | | |
| alone | 4 lbs | 0.1 lb | M-L<br>P<br>C | | 1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on roadbanks. |
| with other perennials | 2 lbs | 0.05 lb | | | |



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Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| BERMUDA SPRIGS *Cynodon dactylon* | | | | | |
| Coastal, Common, Midland, or Tift 44 | 40 cu ft or sod plugs 3' x3' | 0.9 cu ft | M-L | | A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 sprigs. |
| Coastal, Common, of Tift 44 | | | P<br>C | | Same as above. |
| Tift 78 | | | C | | Southern Coastal Plain only |
| CENTIPEDE *Eremochloa ophuroides* | | | | | |
| | Block sod only | | P<br>C | | Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pastures. Winterhardy as far as north Athens and Atlanta |
| CROWNVETECH *Coronilla varia* | | | | | |
| with winter annuals or cool season grasses | 15 lbs | 0.3 lb | M-L<br>P | | 100,000 seed per pound. Dense growth. Drought tolerant and fire resistant. Attractive rose, pink and white blossoms spring to late fall. Mix with 30 pounds of Tall fescue or 15 pounds of rye. Inoculate see with M inoculant. Use from North Atlanta and Northward. |



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Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| FESCUE, TALL *Festuca arundinacea* | | | | | |
| alone | 50 lbs | 1.1 lb | M-L | | 227,000 seed per pound. Use alone only on better sites. Mix with perennial lespedeza or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use areas or athletic fields. |
| with other perennials | 30 lbs | 0.7 lb | P | | |
| KUDZU *Pueraria thumbergiana* | | | | | |
| Plants or crowns | 3' - 7' apart | | ALL | | Rapid and vigorous growth. Excellent in gully erosion control. Will climb. Good livestock forage. |
| LESPEDEZA SERICEA *Lespedeza cuneata* | | | | | |
| scarified | 60 lbs | 1.4 lb | M-L<br>P<br>C | | 350,000 seed per pound. Widely adapted. Low maintenace. Mix with Weeping lovegrass, Common bermuda, bahia, or tall fescue. Takes 2 to 3 years to become fully established. Excellent on roadbanks. Inoculate seed with EL inoculant. |
| unscarified | 75 lbs | 1.7 lb | M-L<br>P<br>C | | Mix with Tall fesue or winter annuals. |
| seed- bearing hay | 3 tons | 1338 lbs | M-L<br>P<br>C | | Cut when seed mixture is mature, but before, it shatters. Add Tall fescue or winter annuals. |



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Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| MAIDENCANE *Panicum hemitomon* | | | | | |
| sprigs | 2' x 3' spacing | | ALL | | For very wet sites. May clog channels. Dig sprigs from local sources. Use along river banks and shorelines. |
| PANICGRASS, ATLANTIC COASTAL *Panicum amarum var amarukum* | | | | | |
| | 20 lbs | 0.5 lb | P<br>C | | Grows well on coastal sand dunes, borrow areas, and gravel pits. Provides winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes. |
| REED CANARY GRASS *Phalaris arundinacea* | | | | | |
| alone | 50 lbs | 1.1 lb | M-L | | |
| with other perrenials | 30 lbs | 0.7 lb | P | | Grows similar to Tall fescue |
| SUNFLOWER, 'AZTEC' MAXIMILLIAN *Helianthus maximiliani* | | | | | |
| | 10 lbs | 0.2 lb | M-L<br>P<br>C | | 227,000 seed per pound. Mix with Weeping lovegrass or other low-grwoing grasses or legumes. |

1 Reduce seeding rates by 50% when drilled
2 PLS is an abbreviation for Pure Live Seed. Refer to Section V.E. of these specifications.
3 M-L represents to Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents the Souther Coastal Plain;Sand Hills;Black Lands;and Atlantic Coast Flatwoods MLRAs. See Figure 6-4.1



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Table 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

| Species | Broadcast Rates: Rate Per Acre[2] | Broadcast Rates: Pure Live Seed (PLS) Per 1000 sqft | Resource Area[3] | Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D | Remarks |
|---|---|---|---|---|---|
| LESPEDEZA, SHRUB *Lespedeza bicolor* *Lespedeza thunbergii* | | | | | |
| plants | 3' x3' | | M-L<br>P<br>C | | Provide wildlife food and cover. |
| LOVEGRASS, WEEPING *Eragrostis curvula* | | | | | |
| alone | 4 lbs | 0.1 lb | M-L<br>P<br>C | | 1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on roadbanks. |
| with other perennials | 2 lbs | 0.05 lb | | | |



**Table 6-5.3.**

## Durable Shrubs and Ground Covers for Permanent Cover

Ground covers include a wide range of low-growing plants planted together in considerable numbers to cover large areas of the landscape. Ground covers grow slower than grasses. Weeds are likely to compete, especially the first year. Maintenance is needed to insure survival. These ground covers will not be used unless proper maintenance is planned. Maintain mulch at three-inch thickness until plants provide adequate cover.

Fall planting is encouraged because the need for constant watering is reduced and plants have time to establish new roots before hot weather.

| Common Name | Scientific Name | Mature Height | Plant Spacing | Comments |
|---|---|---|---|---|
| Albelia | Abelia grandiflora | 3-4 ft. | 5 ft. | Also a prostrate form 2' feet high. Sun, semi-shade. Semi-evergreen. |
| Carolina Yellow Jessamine | Gelsemium sempervirens | low | 3 ft. | Vine. Yellow, trumpet-like flowers. Hardy, one of best vines. Evergreen. Native to Georgia. |
| Carpet Blue | Ajuga reptans | 2-4 in. | 3 ft. | Needs good drainage, partial shade. Blue or white flowers. Evergreen. |
| Bearberry Cotoneaster | Cotoneaster dammeri | 2-4 ft. | 5 ft. | White flowers, red fruit. Sun. Evergreen. |
| Ground Cover Cotoneaster | Cotoneaster salicifolus 'Repens' | 1-2 ft. | 5 ft. | White flowers, red fruit. Sun. Evergreen. |
| Rock Cotoneaster | Cotoneaster horizontalis | 1-2 ft. | 5 ft. | Semi-evergreen. Sun. |
| Virginia Creeper | Parthenocissue quinquefolia | low | 3 ft. | Red in fall. Vine. Deciduous. Native to Georgia. |
| Daylily | Hemerocallis spp. | 2-3 ft. | 2 ft. | Many flower colors. Full sun. Very hardy. |
| English Ivy | Hedera helix | low | 3 ft. | Shade only. Climbs. |
| Compacta Holly | Ilex crenata 'Compacta' | 3-4 ft. | 5 ft. | Sun, semi-shade. |
| Chinese Holly | Ilex cornuta 'Rotunda' | 3-4 ft. | 5 ft. | Very durable. Sun, semi-shade. |
| Dwarf Burford Holly | Ilex burfordii 'Nana' | 5-8 ft. | 8 ft. | |
| Dwarf Yaupon Holly | Ilex vomitoria 'Nana' | 3-4 ft. | 5 ft. | Very durable, sun, semi-shade. |

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**Table 6-5.3. Durable Shrubs and Ground Covers for Permanent Cover**

| Common Name | Scientific Name | Mature Height | Plant Spacing | Comments |
|---|---|---|---|---|
| Repandens Holly | Ilex crenata 'Repandens' | 2-3 ft. | 5 ft. | Sun, semi-shade. |
| Andorra Juniper | Juniperus horizontalis 'Plumosa' | 2-3 ft. | 5 ft. | Excellent for slopes. Sun. |
| Andorra Compacta Juniper | Juniperus horizontalis 'Plumosa compacta' | 1-2 ft. | 5 ft. | More compact than andora. |
| Blue Chip Juniper | Juniperus horizontalis 'Blue Chip' | 8-10 in. | 4 ft. | |
| Blue Rug Juniper | Juniperus horizontalis 'Wiltonii' | 4-6 in. | 3 ft. | Very low. Sun. |
| Parsons Juniper | Juniperus davurica 'Expansa' (Squamata Parsoni) | 18-24 in. | 5 ft. | One of the best, good winter cover. |
| Pfitzer Juniper | Juniperus chinensis 'Pfitzerana' | 6-8 ft. | 6 ft. | Needs room. |
| Prince of Wales Juniper | Juniperus horizontalis 'Prince of Wales' | 8-10 in. | 4 ft. | Feathery appearance. |
| Sargent Juniper | Juniperus chinensis 'Sargentii' | 1-2 ft. | 5 ft. | Full sun. Needs good drainage. Good winter color. |
| Shore Juniper | Juniperus conferta | 2-3 ft. | 5 ft. | Emerald Sea or Blue Pacific cultivars are good. |
| Liriope | Liriope muscari | 8-10 in. | 3 ft. | |



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**Table 6-5.3. Durable Shrubs and Ground Covers for Permanent Cover**

| Common Name | Scientific Name | Mature Height | Plant Spacing | Comments |
|---|---|---|---|---|
| Creeping Liriope | Liriope spicata | 10-12 in. | 1 ft. | Spreads by runners. |
| Big Leaf Periwinkle | Vinca major | 12-15 in. | 4 ft. | Lilac flowers in spring. Semi-shade. |
| Common Periwinkle | Vinca minor | 5-6 in. | 4 ft. | Lavender-blue flowers in spring. Semi-shade |
| Cherokee Rose | Rosa laevigata | 2 ft. | 5 ft. | Rampant grower. Not for restricted spaces. State flower. |
| Memoria Rose | Rosa weuchuriana | 2 ft. | 5 ft. | Rampant grower. |
| St. Johnswort | Hypericum calycenum | 8-12 in. | 3 ft. | Semi-shade. |
| Anthony Waterer Spirea | Spirea bumalda | 3-4 ft. | 5 ft. | Sun. |
| Thunberg Spirea | Spirea thinbergii | 3-4 ft. | 5 ft. | Sun. |

**Table 6-5.4.**

## Trees for Erosion Control

| SITE | SOIL MATERIAL | COMMON SOILS | PLANTING TREE SPECIES[1] | SPACING | PLANTING DATES[3] |
|---|---|---|---|---|---|
| Borrow areas, graded areas, and spoil material | Sandy | Lakeland, Troup | Loblolly pine (Pinus taeda)<br>Longleaf pine (Pinus palustris) | [2] | M-L,P 12/1-3/15<br>C 12/1-3/1 |
| | Loamy | Orangeburg, Tifton | Loblolly pine<br>Slash pine<br>Loblolly pine | [2] | M-L,P 12/1-3/15<br>C 12/1-3/1 |
| | Clay | Cecil, Faceville | Slash pine<br>Virginia pine (Pinus virginiana) | [2] | M-L,P 12/1-3/15<br>C 12/1-3/1 |
| Streambanks | | | Willows[4] (Salix speciecs) | 2 ft x 2 ft | ALL |

[1] Other trees and shrubs listed on Table 6-25.3 may be interplanted with the pines for improved wildlife benefits.

[2] Type of Planting — Tree Spacing — No. of Trees Per Acre
Trees alone — 4 ft. x 4 ft. — 2722
Trees in combination with grasses and/or other plants — 6 ft. x 6 ft. — 1210

[3] M-L represents the Mountains; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents the Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods ML RAs (See Figure 6-4.1).

[4] Fertilization of companion crop is ample for this species.



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**Table 6-5.1. Fertilizer Requirements**

| TYPE OF SPECIES | YEAR | ANALYSIS OR EQUIVALENT N-P-K | RATE | N TOP DRESSING RATE |
|---|---|---|---|---|
| 1. Cool season grasses | First<br>Second<br>Maintenance | 6-12-12<br>6-12-12<br>10-10-10 | 1500 lbs./ac.<br>1000 lbs./ac.<br>400 lbs./ac. | 50-100 lbs./ac. 1/2/<br>30 |
| 2. Cool season grasses and legumes | First<br>Second<br>Maintenance | 6-12-12<br>0-10-10<br>0-10-10 | 1500 lbs./ac.<br>1000 lbs./ac.<br>400 lbs./ac. | 0-50 lbs./ac. 1/<br>—<br>— |
| 3. Ground covers | First<br>Second<br>Maintenance | 10-10-10<br>10-10-10<br>10-10-10 | 1300 lbs./ac. 3/<br>1300 lbs./ac. 3/<br>1100 lbs./ac. | —<br>—<br>— |
| 4. Pine seedlings | First | 20-10-5 | one 21-gram pellet per seedling placed in the closing hole | — |
| 5. Shrub Lespedeza | First<br>Maintenance | 0-10-10<br>0-10-10 | 700 lbs./ac.<br>700 lbs./ac. 4/ | — |
| 6. Temporary cover crops seeded alone | First | 10-10-10 | 500 lbs./ac. | 30 lbs./ac. 5/ |
| 7. Warm season grasses | First<br>Second<br>Maintenance | 6-12-12<br>6-12-12<br>10-10-10 | 1500 lbs./ac.<br>800 lbs./ac.<br>400 lbs./ac. | 50-100 lbs./ac. 2/6/<br>50-100 lbs./ac. 2/<br>30 lbs./ac. |
| 8. Warm season grasses and legumes | First<br>Second<br>Maintenance | 6-12-12<br>0-10-10<br>0-10-10 | 1500 lbs./ac.<br>1000 lbs./ac.<br>400 lbs./ac. | 50 lbs./ac./6/ |

1/ Apply in spring following seeding.
2/ Apply in split applications when high rates are used.
3/ Apply in 3 split applications.
4/ Apply when plants are pruned.
5/ Apply to grass species only.
6/ Apply when plants grow to a height of 2 to 4 inches.

1 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER PEYTON IRL LINGLE No. PE015171 01/04/19

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| . | . | . |
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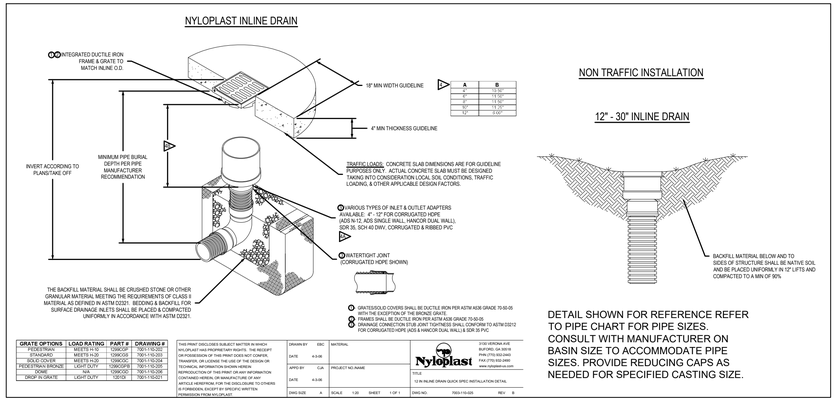
CONFORM SET 04-29-2019

SHEET TITLE
DRAINAGE AND ESPC DETAILS

PROJECT NO. 17302
DATE 01-04-2019
DRAWN BY KA
SCALE NTS
CHECKED BY PIL
SHEET NO.
C2.94

O:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CADD\1_SHEETS\17302_C290_DRAINAGE AND ESPC DETAIL_SERIES.dwg - Printed on 2019-04-29 at 5:09:45 PM




| A | B |
|---|---|
| 12" | 13.50" |
| 15" | 13.50" |
| 18" | 13.50" |
| 24" | 13.50" |
| 30" | 9.00" |

| GRATE OPTIONS | LOAD RATING | PART # | DRAWING # |
|---|---|---|---|
| PEDESTRIAN | MEETS H-10 | 12366CGP | 7001-110-202 |
| STANDARD | MEETS H-20 | 12366CGC | 7001-110-203 |
| SOLID COVER | MEETS H-20 | 12366CGC | 7001-110-204 |
| PEDESTRIAN BRONZE | LIGHT DUTY | 12366CGPB | 7001-110-205 |
| DOME | N/A | 12366CGD | 7001-110-206 |
| DROP IN GRATE | LIGHT DUTY | 12X12X | 7001-110-221 |

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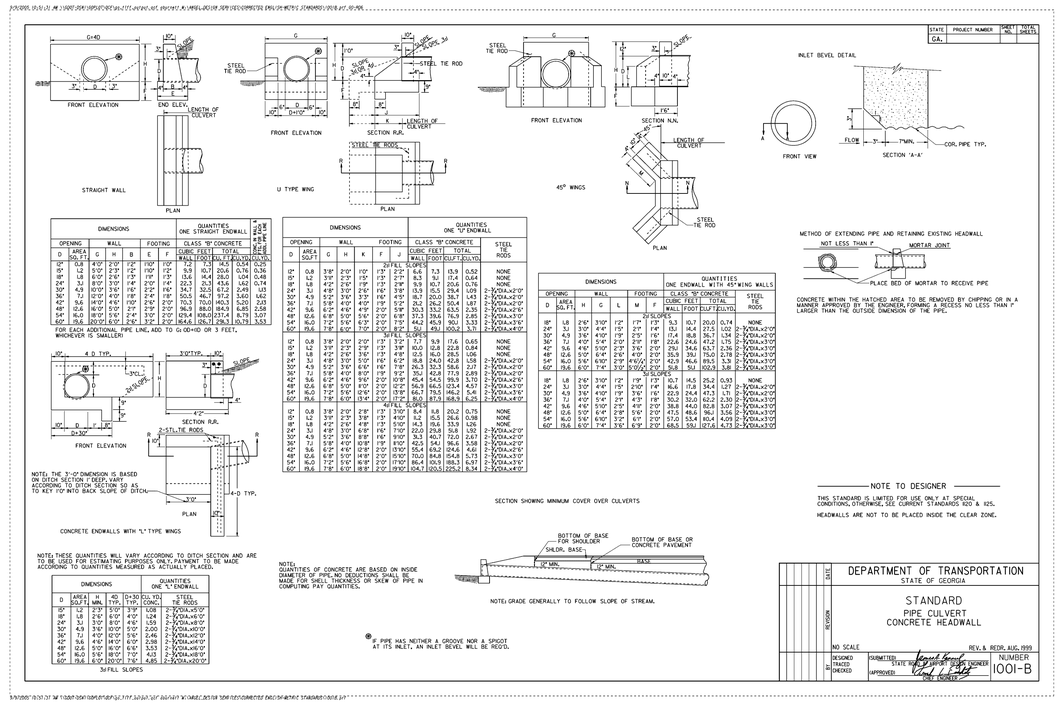
Nyloplast — 2100 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 12 IN INLINE DRAIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-221 | REV B

NOTE: SEE 3/C2.95 FOR COVER SPECIFIED IN PIPE CHART

1 INLINE DRAIN
SCALE: NTS




| D | AREA SQ.FT | G | H | K | J | CLASS "B" CONCRETE CUBIC FEET WALL | FOOT | TOTAL CUBIC FEET FOOT | CULV.TO. | STEEL TIE RODS |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/4" FILL - SLOPES | | | | | | | | | | |
| 12" | 0.8 | 3'8" | 2'0" | 1'0" | 1'3" | 2'2" | 6.6 | 7.3 | 13.9 | 0.52 | NONE |
| 15" | 1.2 | 3'9" | 2'3" | 1'3" | 1'3" | 2'7" | 8.3 | 9.1 | 17.4 | 0.64 | NONE |
| 18" | 1.8 | 4'2" | 2'6" | 1'6" | 1'3" | 2'9" | 9.9 | 10.7 | 20.6 | 0.76 | NONE |
| 24" | 3.1 | 4'8" | 3'0" | 2'6" | 1'6" | 3'8" | 13.9 | 15.5 | 29.4 | 1.09 | 2-%DIA.x2'0" |
| 30" | 4.9 | 5'2" | 3'6" | 3'2" | 1'6" | 4'5" | 18.7 | 20.0 | 38.7 | 1.41 | 2-%DIA.x2'0" |
| 36" | 7.1 | 6'0" | 4'0" | 3'9" | 1'6" | 5'2" | 23.5 | 25.2 | 52.4 | 1.81 | 2-%DIA.x2'0" |
| 42" | 9.6 | 6'6" | 4'6" | 4'3" | 1'6" | 5'9" | 30.3 | 32.4 | 62.7 | 2.25 | 2-%DIA.x2'0" |
| 48" | 12.6 | 7'0" | 5'0" | 4'9" | 2'0" | 6'6" | 37.3 | 39.6 | 76.9 | 2.85 | 2-%DIA.x2'6" |
| 54" | 16.0 | 7'2" | 5'6" | 5'3" | 2'0" | 7'3" | 44.2 | 45.9 | 90.1 | 3.33 | 2-%DIA.x3'6" |
| 60" | 19.6 | 7'8" | 6'0" | 5'9" | 2'0" | 7'9" | 50.4 | 53.2 | 103.6 | 3.71 | 2-%DIA.x3'6" |
| FOR ADDITIONAL PIPE LINE, ADD TO: G:OD+1'0 OR 3 FEET, WHICHEVER IS SMALLER | | | | | | | | | | | |
| 3/4" FILL - SLOPES | | | | | | | | | | |
| 12" | 0.8 | 3'8" | 2'0" | 1'0" | 1'3" | 3'2" | 7.7 | 9.9 | 17.6 | 0.65 | NONE |
| 15" | 1.2 | 3'9" | 2'3" | 1'3" | 1'3" | 3'8" | 10.0 | 12.8 | 22.8 | 0.84 | NONE |
| 18" | 1.8 | 4'2" | 2'6" | 1'6" | 1'3" | 4'1" | 12.5 | 16.0 | 28.5 | 1.06 | NONE |
| 24" | 3.1 | 4'8" | 3'0" | 2'6" | 1'6" | 6'2" | 18.8 | 24.0 | 42.8 | 1.58 | 2-%DIA.x2'0" |
| 30" | 4.9 | 5'2" | 3'6" | 3'2" | 1'6" | 7'1" | 26.3 | 32.3 | 58.6 | 2.17 | 2-%DIA.x2'0" |
| 36" | 7.1 | 6'0" | 4'0" | 3'9" | 1'6" | 8'2" | 35.4 | 42.8 | 77.9 | 2.83 | 2-%DIA.x2'6" |
| 42" | 9.6 | 6'6" | 4'6" | 4'3" | 1'6" | 9'1" | 45.4 | 55.6 | 101.0 | 3.51 | 2-%DIA.x3'0" |
| 48" | 12.6 | 6'8" | 5'0" | 4'9" | 2'0" | 10'2" | 56.9 | 66.5 | 123.4 | 4.57 | 2-%DIA.x3'0" |
| 54" | 16.0 | 7'2" | 5'6" | 5'3" | 2'0" | 11'9" | 66.7 | 79.5 | 146.2 | 5.41 | 2-%DIA.x3'6" |
| 60" | 19.6 | 7'8" | 6'0" | 5'9" | 2'0" | 12'7" | 81.0 | 87.9 | 168.9 | 6.25 | 2-%DIA.x3'6" |
| 4/4" FILL - SLOPES | | | | | | | | | | |
| 12" | 0.8 | 3'8" | 2'0" | 2'8" | 1'3" | 3'10" | 8.4 | 6.8 | 20.2 | 0.75 | NONE |
| 15" | 1.2 | 3'9" | 2'3" | 3'8" | 1'3" | 4'10" | 11.2 | 8.5 | 26.6 | 0.98 | NONE |
| 18" | 1.8 | 4'2" | 2'6" | 4'8" | 1'3" | 5'10" | 14.3 | 10.6 | 33.9 | 1.26 | NONE |
| 24" | 3.1 | 4'8" | 3'0" | 6'8" | 1'6" | 7'10" | 22.0 | 29.8 | 51.8 | 1.92 | 2-%DIA.x2'0" |
| 30" | 4.9 | 5'2" | 3'6" | 8'8" | 1'6" | 9'10" | 31.1 | 40.7 | 72.0 | 2.67 | 2-%DIA.x2'0" |
| 36" | 7.1 | 6'0" | 4'0" | 10'8" | 1'6" | 11'10" | 42.3 | 54.2 | 96.6 | 3.58 | 2-%DIA.x2'6" |
| 42" | 9.6 | 6'6" | 4'6" | 12'8" | 1'6" | 13'10" | 55.5 | 69.4 | 125.0 | 4.63 | 2-%DIA.x3'0" |
| 48" | 12.6 | 6'8" | 5'0" | 14'8" | 2'0" | 15'10" | 70.0 | 84.8 | 154.8 | 5.73 | 2-%DIA.x3'0" |
| 54" | 16.0 | 7'2" | 5'6" | 16'8" | 2'0" | 17'10" | 86.4 | 101.9 | 188.3 | 6.97 | 2-%DIA.x3'6" |
| 60" | 19.6 | 7'8" | 6'0" | 18'8" | 2'0" | 19'10" | 104.7 | 120.5 | 225.2 | 8.34 | 2-%DIA.x4'0" |

| D | AREA SQ.FT | G | H | K | L | M | F | CLASS "B" CONCRETE CUBIC FEET WALL | FOOT | TOTAL CUBIC FEET CULV.TO. | STEEL TIE RODS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/4 SLOPES | | | | | | | | | | | |
| 18" | 1.8 | 2'6" | 3'10" | 1'2" | 1'7" | 1'3" | 5.3 | 10.7 | 20.0 | 0.74 | NONE |
| 24" | 3.1 | 3'0" | 4'4" | 1'5" | 2'1" | 1'4" | 13.1 | 16.4 | 27.5 | 1.02 | 2-%DIA.x2'0" |
| 30" | 4.9 | 3'6" | 4'10" | 1'8" | 2'5" | 1'6" | 17.4 | 18.8 | 36.7 | 1.34 | 2-%DIA.x2'0" |
| 36" | 7.1 | 4'0" | 5'4" | 2'0" | 2'9" | 1'8" | 22.6 | 24.6 | 47.2 | 1.75 | 2-%DIA.x2'0" |
| 42" | 9.6 | 4'6" | 5'10" | 2'3" | 3'6" | 2'0" | 29.1 | 34.6 | 63.7 | 2.36 | 2-%DIA.x3'0" |
| 48" | 12.6 | 5'0" | 6'4" | 2'6" | 4'0" | 2'0" | 35.9 | 39.1 | 75.0 | 2.78 | 2-%DIA.x3'0" |
| 54" | 16.0 | 5'6" | 6'10" | 2'9" | 4'10"/2' | 2'0" | 42.9 | 46.6 | 89.5 | 3.3 | 2-%DIA.x3'0" |
| 60" | 19.6 | 6'0" | 7'4" | 3'0" | 5'10"/2' | 2'0" | 51.8 | 53.8 | 103.8 | 3.8 | 2-%DIA.x3'0" |
| 3/4 SLOPES | | | | | | | | | | | |
| 18" | 1.8 | 2'6" | 3'10" | 1'2" | 1'9" | 1'3" | 5.7 | 14.5 | 25.2 | 0.93 | NONE |
| 24" | 3.1 | 3'0" | 4'4" | 1'5" | 2'10" | 1'4" | 16.4 | 17.8 | 34.4 | 1.27 | 2-%DIA.x2'0" |
| 30" | 4.9 | 3'6" | 4'10" | 1'9" | 3'6" | 1'6" | 22.5 | 24.4 | 47.3 | 1.71 | 2-%DIA.x2'0" |
| 36" | 7.1 | 4'0" | 5'4" | 2'1" | 4'3" | 1'8" | 30.2 | 32.0 | 62.2 | 2.30 | 2-%DIA.x3'0" |
| 42" | 9.6 | 4'6" | 5'10" | 2'5" | 4'9" | 2'0" | 38.8 | 44.0 | 82.8 | 3.07 | 2-%DIA.x3'0" |
| 48" | 12.6 | 5'0" | 6'4" | 2'8" | 5'6" | 2'0" | 47.5 | 48.6 | 96.1 | 3.56 | 2-%DIA.x3'0" |
| 54" | 16.0 | 5'6" | 6'10" | 3'2" | 6'1" | 2'0" | 57.0 | 53.4 | 80.4 | 4.09 | 2-%DIA.x3'0" |
| 60" | 19.6 | 6'0" | 7'4" | 3'6" | 6'9" | 2'0" | 68.5 | 59.1 | 127.6 | 4.73 | 2-%DIA.x3'0" |

| D | AREA SQ.FT | MIN. | MAX. | H TYP. | D+30 TYP. | CULV.TO CONC. | STEEL TIE RODS |
|---|---|---|---|---|---|---|---|
| 3/4 FILL SLOPES | | | | | | | |
| 12" | 0.8 | 2'8" | 5'10" | 3'10" | 1'08 | 1.07 | 2-%DIA.x5'0" |
| 18" | 1.8 | 2'6" | 6'0" | 4'0" | 1.24 | 2-%DIA.x6'0" |
| 24" | 3.1 | 3'0" | 8'0" | 4'6" | 1.53 | 2-%DIA.x8'0" |
| 30" | 4.9 | 3'6" | 10'0" | 5'0" | 2.00 | 2-%DIA.x10'0" |
| 36" | 7.1 | 4'0" | 12'0" | 5'6" | 2.46 | 2-%DIA.x12'0" |
| 42" | 9.6 | 4'6" | 14'0" | 6'0" | 2.98 | 2-%DIA.x14'0" |
| 48" | 12.6 | 5'0" | 16'0" | 6'6" | 3.53 | 2-%DIA.x16'0" |
| 54" | 16.0 | 5'6" | 18'0" | 7'0" | 4.13 | 2-%DIA.x18'0" |
| 60" | 19.6 | 6'0" | 20'0" | 7'6" | 4.85 | 2-%DIA.x20'0" |

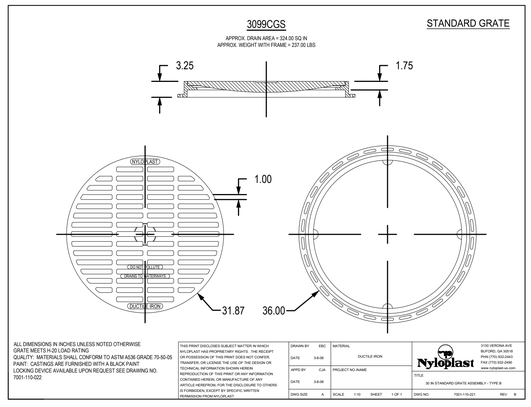
NOTE: THE 3'-0" DIMENSION IS BASED ON DITCH SECTION 7' DEEP, VARY ACCORDING TO DITCH SECTION SO AS TO KEY 1'0" INTO BACK SLOPE OF DITCH.

NOTE: THESE QUANTITIES WILL VARY ACCORDING TO DITCH SECTION AND ARE TO BE USED FOR ESTIMATING PURPOSES ONLY. PAYMENT TO BE MADE ACCORDING TO QUANTITIES MEASURED AS ACTUALLY PLACED.

NOTE: QUANTITIES OF CONCRETE ARE BASED ON INSIDE DIAMETER OF PIPE. NO DEDUCTIONS SHALL BE MADE FOR SHELL THICKNESS OR SAEW OF PIPE IN COMPUTING PAY QUANTITIES.

IF PIPE HAS NEITHER A GROOVE NOR A SPIGOT AT ITS INLET, AN INLET BEVEL WILL BE REQ'D.

2 CONCRETE HEADWALL
SCALE: NTS




ALL DIMENSIONS IN INCHES UNLESS NOTED OTHERWISE
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-222

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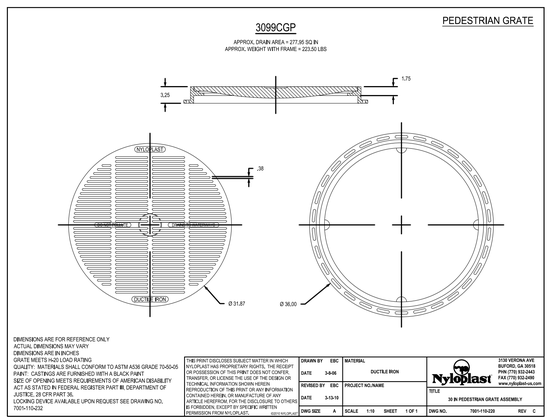
DRAWN BY ESC | MATERIAL DUCTILE IRON | DATE 3-8-06 | REVISED BY ESC | PROJECT NO./NAME | DATE 3-13-18 | DWG SIZE A | SCALE 1:10 | SHEET 1 OF 1

Nyloplast — 2100 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 30 IN STANDARD GRATE ASSEMBLY

DWG NO. 7001-110-222 | REV B

3 DRAIN GRATE ASSEMBLY
SCALE: NTS




DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
SIZE OF OPENING MEETS REQUIREMENTS OF AMERICAN DISABILITY ACT AS STATED IN FEDERAL REGISTER PART **36**, DEPARTMENT OF JUSTICE, 28 CFR PART 36.
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-222

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DRAWN BY ESC | MATERIAL | DATE 3-8-06 | REVISED BY ESC | PROJECT NO./NAME | DATE 3-13-18 | DWG SIZE A | SCALE 1:10 | SHEET 1 OF 1

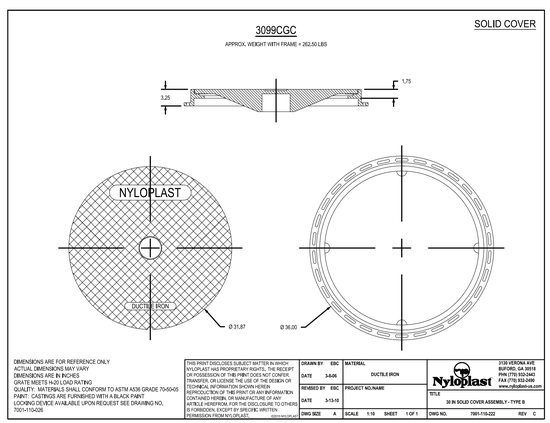
Nyloplast — 2100 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 30 IN PEDESTRIAN GRATE ASSEMBLY

DWG NO. 7001-110-226 | REV C

NOTE: USE PEDESTRIAN GRATE AT ALL PAVED LOCATIONS. STANDARD GRATE MAY BE USED IN GRASSED AREAS. DETAILS SHOWN FOR REFERENCE ONLY. REFER TO PIPE CHART FOR GRATE SIZE TO BE USED. CONSULT WITH MANUFACTURER ON BASIN SIZE TO ACCOMMODATE CASTING SIZES. PROVIDE REDUCING CAPS AS NEEDED FOR SPECIFIED CASTING SIZE.

3 DRAIN GRATE ASSEMBLY
SCALE: NTS




DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-225

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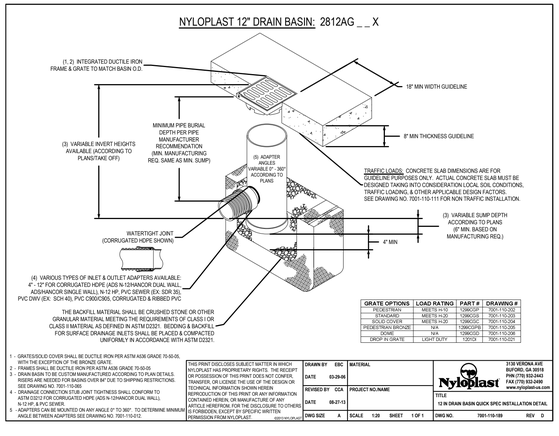
DRAWN BY ESC | MATERIAL DUCTILE IRON | DATE 3-8-06 | REVISED BY ESC | PROJECT NO./NAME | DATE 3-13-18 | DWG SIZE A | SCALE 1:10 | SHEET 1 OF 1

Nyloplast — 2100 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 30 IN SOLID COVER ASSEMBLY - TYPE B

DWG NO. 7001-110-225 | REV C




| GRATE OPTIONS | LOAD RATING | PART # | DRAWING # |
|---|---|---|---|
| PEDESTRIAN | MEETS H-10 | 12366CGP | 7001-110-202 |
| STANDARD | MEETS H-20 | 12366CGC | 7001-110-203 |
| SOLID COVER | MEETS H-20 | 12366CGC | 7001-110-204 |
| PEDESTRIAN BRONZE | N/A | 12366CGPB | 7001-110-205 |
| DOME | N/A | 12366CGD | 7001-110-206 |
| DROP IN GRATE | LIGHT DUTY | 12X12X | 7001-110-221 |

1 - GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. CONSULT WITH NYLOPLAST.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-212

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DRAWN BY CCA | MATERIAL | DATE 03-29-06 | REVISED BY CCA | PROJECT NO./NAME | DATE 06-27-13 | DWG SIZE A | SCALE 1:20 | SHEET 1 OF 1

Nyloplast — 2100 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 12 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-189 | REV D

4 DRAIN BASIN
SCALE: NTS

LOSE DESIGN SPACES FOR LIFE.

THIS DRAWING AND THE DESIGN SHOWN IN THE PROPERTY OF THE ARCHITECT. REPRODUCTION, COPYING OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED, AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.

GEORGIA REGISTERED PROFESSIONAL ENGINEER PEYTON IRL LINGLE 01/04/19

GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |
| . | . | . |

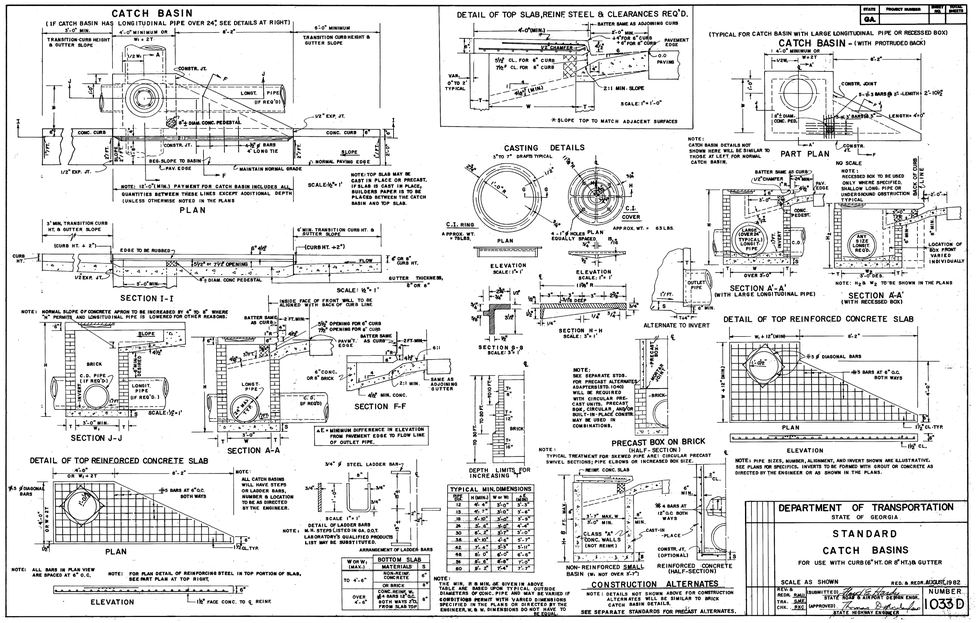
CONFORM SET 04-29-2019

SHEET TITLE

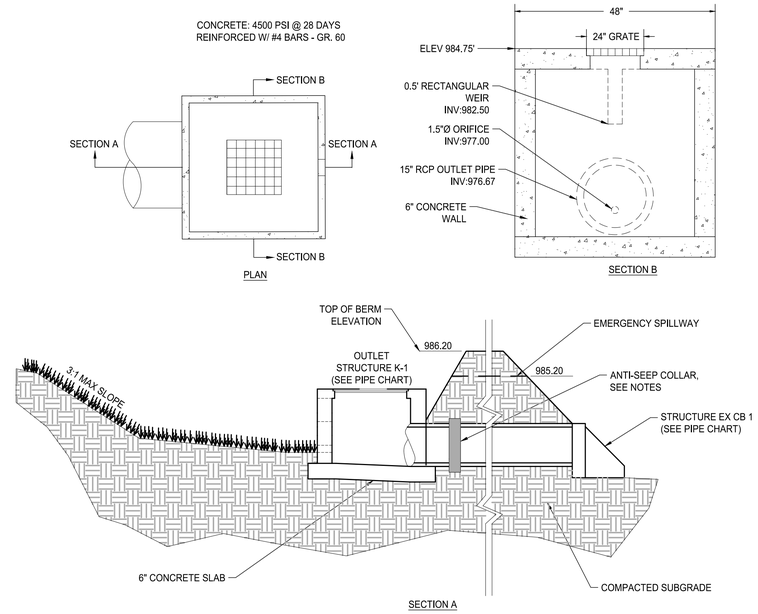
DRAINAGE AND ESPC DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY KA | SCALE NTS |
| CHECKED BY PIL | |
| SHEET NO. C2.95 | |

G:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C200_DRAINAGE AND ESPC DETAIL_SHEETS.dwg - Printed on 2019-04-29 at 5:09:50 PM.




1 CATCH BASIN
SCALE: NTS




NOTES:
1. SEE DETAIL 2/C2.92 FOR ANTI-SEEP COLLAR DETAIL.
2. ALL JOINTS AND CONNECTIONS TO THE ANTI-SEEP COLLARS SHALL BE WATERTIGHT.
3. COLLAR TO BE PLACED BEFORE FIRST JOINT IN OUTLET PIPE.
4. CONCRETE TO BE 3500 PSI.
5. COLLAR TO PROJECT A MINIMUM 18" VERTICALLY BELOW THE BOTTOM OF THE STONE TRENCH AND 18" ABOVE THE TOP OF THE OUTLET PIPE.
6. THE COLLAR SHALL BE A MINIMUM OF 1.0' THICK.
7. COMPACTED SUBGRADE SHALL CONSIST OF CLAY SOIL COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR.

2 ABOVEGROUND DETENTION POND
SCALE: NTS

| PROJECT INFORMATION | |
|---|---|
| ENGINEERED PRODUCT MANAGER: | ED PISOWICZ<br>404-433-7452<br>ED.PISOWICZ@ADS-PIPE.COM |
| ADS SALES REP: | PAUL ROOT<br>678-858-3360<br>PAUL.ROOT@ADS-PIPE.COM |
| PROJECT NO: | S114254 |

ADVANCED DRAINAGE SYSTEMS, INC.

# BROOK RUN PARK
DUNWOODY, GA

## BAYSAVER BARRACUDA SPECIFICATIONS

**MATERIALS AND DESIGN**

CONCRETE STRUCTURES: DESIGNED FOR H-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.

48" HP MANHOLE STRUCTURES: MADE FROM AN IMPACT MODIFIED COPOLYMER POLYPROPYLENE MEETING THE MATERIAL REQUIREMENTS OF ASTM F2764. THE ECCENTRIC CONE REDUCER SHALL BE MANUFACTURED FROM POLYETHYLENE MATERIAL MEETING ASTM D3350 CELL CLASS 213320C. GASKETS SHALL BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF ASTM F477.

SEPARATOR INTERNALS SHALL BE SUBSTANTIALLY CONSTRUCTED OF STAINLESS STEEL, POLYETHYLENE, OR OTHER THERMOPLASTIC MATERIAL APPROVED BY THE MANUFACTURER.

**PERFORMANCE**

THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.

THE STORMWATER TREATMENT UNIT INTERNALS SHALL CONSIST OF (1) SEPARATOR CONE ASSEMBLY, AND (1) SUMP ASSEMBLY WHICH INCLUDES (4) LEGS WITH "TEETH".

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.

-OR -

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH $d_{50}$=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.

-OR -

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL .

**MANUFACTURER**

EACH STORMWATER TREATMENT SYSTEM SHALL BE A BARRACUDA SYSTEM AS MANUFACTURED BY BAYSAVER, LLC, 1030 DEER HOLLOW DR., MOUNT AIRY, MD 21771, PHONE (301) 829-6470, FAX (301) 829-3747, TOLL FREE 1-800-229-7283 (1-800-BAYSAVER), EMAIL INFO@BAYSAVER.COM

## BARRACUDA MAINTENANCE

BARRACUDA SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH IN EXCEEDS 20 INCHES. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF THE UNIT.

**MAINTENANCE INSTRUCTIONS**

1. REMOVE THE MANHOLE COVER TO PROVIDE ACCESS TO THE POLLUTANT STORAGE. POLLUTANTS ARE STORED IN THE SUMP, BELOW THE BOWL ASSEMBLY VISIBLE FROM THE SURFACE. YOU'LL ACCESS THIS AREA THROUGH THE 10" DIAMETER ACCESS CYLINDER.
2. USE A VACUUM TRUCK OR OTHER SIMILAR EQUIPMENT TO REMOVE ALL WATER, DEBRIS, OILS AND SEDIMENT.
3. USE A HIGH PRESSURE HOSE TO CLEAN THE MANHOLE OF ALL THE REMAINING SEDIMENT AND DEBRIS. THEN, USE THE VACUUM TRUCK TO REMOVE THE WATER.
4. FILL THE CLEANED MANHOLE WITH WATER UNTIL THE LEVEL REACHES THE INVERT OF THE OUTLET PIPE.
5. REPLACE THE MANHOLE COVER.
6. DISPOSE OF THE POLLUTED WATER, OILS, SEDIMENT AND TRASH AT AN APPROVED FACILITY.
   - LOCAL REGULATIONS PROHIBIT THE DISCHARGE OF SOLID MATERIAL INTO THE SANITARY SYSTEM. CHECK WITH THE LOCAL SEWER AUTHORITY FOR AUTHORITY TO DISCHARGE THE LIQUID.
   - SOME LOCALITIES TREAT THE POLLUTANTS AS LEACHATE. CHECK WITH LOCAL REGULATORS ABOUT DISPOSAL REQUIREMENTS.
   - ADDITIONAL LOCAL REGULATIONS MAY APPLY TO THE MAINTENANCE PROCEDURE.

## BARRACUDA INSTALLATION NOTES

INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED BY CALLING ADVANCED DRAINAGE SYSTEMS AT (800) 821-6710 OR BY LOGGING ON TO WWW.ADS-PIPE.COM OR WWW.BAYSAVER.COM.

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ADVANCED DRAINAGE SYSTEMS, INC.

# BROOK RUN PARK
DUNWOODY, GA

## BAYSAVER BAYSEPARATOR SPECIFICATIONS

**MATERIALS AND DESIGN**

A. CONCRETE STRUCTURES SHALL BE DESIGNED FOR H-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.
   1. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE IN THE MANHOLE BASE, RISER, AND TOP SECTIONS SHALL BE 4000 PSI.
   2. THE MINIMUM WALL THICKNESS SHALL BE ONE TWELFTH OF THE INTERNAL DIAMETER OF THE RISER OF LARGEST CONE DIAMETER.
   3. CEMENT SHALL CONFORM TO THE REQUIREMENTS FOR PORTLAND CEMENT OF SPECIFICATION C150.
   4. AGGREGATES SHALL CONFORM TO SPECIFICATION C33, EXCEPT THAT THE REQUIREMENT FOR GRADATION SHALL NOT APPLY.
   5. REINFORCEMENT SHALL CONSIST OF WIRE CONFORMING TO SPECIFICATION A82 OR SPECIFICATION A496, OF WIRE FABRIC CONFORMING TO SPECIFICATION A185 OR SPECIFICATION A497, OR OF BARS OF GRADE 40 STEEL CONFORMING TO SPECIFICATION A615/A615M.
   6. THE ACCESS COVER SHALL BE DESIGNED FOR HS20-44 TRAFFIC LOADING AND SHALL PROVIDE A MINIMUM 30 INCH CLEAR OPENING.
   7. ALL JOINTS SHALL BE WATERPROOF WITH WRAPPED GASKETS OR SEALED WITH A MASTIC TREATMENT.
   8. ANY GROUT USED WITHIN THE SYSTEM SHALL MEET THE ASTM C 1107 "STANDARD SPECIFICATION FOR PACKAGED DRY, HYDRAULIC-CEMENT GROUT (NON-SHRINK)". GRADES A, B AND C AT A POURABLE AND PLASTIC CONSISTENCY AT 70°F. CRD C 621 "CORPS OF ENGINEERS SPECIFICATION FOR NON-SHRINK GROUT."
   9. STORAGE MANHOLE CONNECTOR PIPES SHALL BE EQUIPPED WITH A SEAL GASKET THAT MEETS OR EXCEEDS MATERIAL SPECIFICATIONS OF ASTM C-923 OR OTHER LOCALLY APPROVED METHODS.

B. THE SEPARATOR STRUCTURE SHALL BE SUBSTANTIALLY CONSTRUCTED OF HDPE OR EQUIVALENT CORROSION RESISTANT MATERIAL MEETING ASTM D330, ASTM F412, AND ASTM C-425.

C. PIPES WITHIN THE UNIT, (I.E., TEE PIPES, CONNECTOR PIPES AND DOWN PIPES) SHALL BE CONSTRUCTED OF AT LEAST SDR 32.5 HDPE PIPE OF STANDARD ASTM F412.

D. PIPE AND FITTING MATERIAL SHALL BE HIGH DENSITY POLYETHYLENE MEETING ASTM D330 MINIMUM CELL CLASSIFICATION 335400C FOR 24-INCH THROUGH 60-INCH DIAMETERS. THE 24- THROUGH 60-INCH PIPE MATERIAL SHALL BE SLOW CRACK RESISTANT HDPE MATERIAL, EVALUATED USING THE SINGLE POINT NOTCHED CONSTANT TENSILE LOAD (SP-NCTL) TEST.

**PERFORMANCE**

A. THE STORMWATER TREATMENT UNIT SHALL BE AN ONLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW.
B. THE BAYSEPARATOR UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS LOAD ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING F-95 MEDIA GRADATION (MANUFACTURED BY US SILICA) OR EQUIVALENT. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT(S).
C. THE STORMWATER TREATMENT UNIT SHALL CONSIST OF ONE (1) PREFABRICATED SEPARATOR STRUCTURE, ONE (1) ONLINE COARSE SEDIMENT CAPTURE STRUCTURE, AND ONE (1) OFFLINE SEDIMENT AND FLOATABLE CAPTURE STRUCTURE. THE SEPARATOR STRUCTURE SHALL BE SUBSTANTIALLY CONSTRUCTED OF HDPE OR EQUIVALENT CORROSION RESISTANT MATERIAL. THE OFFLINE SEDIMENT STORAGE STRUCTURE MUST PROVIDE FOR OFFLINE SEDIMENT STORAGE OF SEDIMENTS AND FLOATABLES THAT ARE ISOLATED FROM HIGH INTENSITY STORMS.
D. THE STORMWATER TREATMENT UNIT(S) HEAD LOSS AT THE PEAK DESIGN FLOW RATE SHALL NOT EXCEED THE HEAD LOSS SPECIFIED BY THE ENGINEER.
E. THE UNIT SHALL BE DESIGNED TO REMOVE SEDIMENT PARTICLES AS WELL AS FLOATING OILS AND DEBRIS.

**MANUFACTURER**

A. THE STORMWATER TREATMENT UNIT(S) SHALL BE OF A BASIC DESIGN THAT HAS BEEN INSTALLED AND USED SUCCESSFULLY FOR A MINIMUM OF 5 YEARS.
B. EACH STORMWATER TREATMENT SYSTEM SHALL BE A BAYSEPARATOR SYSTEM AS MANUFACTURED BY BAYSAVER, LLC, 1030 DEER HOLLOW DR., MOUNT AIRY, MD 21771, PHONE (301) 829-6470, FAX (301-829-3747, TOLL FREE 1-800-229-7283 (1-800-BAYSAVER), EMAIL INFO@BAYSAVER.COM PROTECTED UNDER US PATENT NUMBER 5746911

## BAYSEPARATOR MAINTENANCE

BAYSEPARATOR SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH IN EITHER MANHOLE EXCEEDS 2 FEET. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF BAYSAVER.

MAINTENANCE CONSISTS OF THE FOLLOWING:

A. STORAGE MANHOLE
1. REMOVE THE ENTIRE VOLUME OF THE CONTAMINATED WATER BY VACUUM TRUCK.
2. CLEAN THE MANHOLE WALLS AND FLUSH OUT THE MANHOLE USING A HIGH PRESSURE HOSE AND REMOVE FLUSHING WATER BY VACUUM TRUCK. MAKE CERTAIN MANHOLE IS CLEAN.

B. PRIMARY MANHOLE
1. USING A SUBMERSIBLE PUMP, PUMP THE CLEAN WATER FROM THE CENTER OF THE MANHOLE DIRECTLY INTO THE EMPTY STORAGE MANHOLE UNTIL THE WATER LEVEL FALLS TO 1 FOOT ABOVE THE SEDIMENT LAYER.
2. REMOVE THE SETTLED SEDIMENT AND REMAINING WATER BY VACUUM TRUCK.
3. CLEAN THE MANHOLE WALLS AND FLUSH OUT THE MANHOLE USING A HIGH PRESSURE HOSE AND REMOVE FLUSHING WATER BY VACUUM TRUCK. MAKE CERTAIN MANHOLE IS CLEAN.
4. CONTAMINATED MATERIAL REMOVED FROM THE MANHOLES MUST BE DISPOSED OF RESPONSIBLY AND LEGALLY BY THE OPERATOR OF THE VACUUM TRUCK.

## BAYSEPARATOR INSTALLATION NOTES

1. EXCAVATION MUST PROVIDE ADEQUATE SPACE TO CONNECT INLET AND OUTLET PIPES TO STORAGE MANHOLE AND BAYSEPARATOR UNIT. INSTALL PRECAST DROP STRUCTURES ON SOLID GROUND AS VERIFIED BY A GEOTECHNICAL ENGINEER.
2. VERIFY THE SUBGRADE ELEVATION AGAINST THE MANHOLE DIMENSIONS AND CONNECTING STORM DRAIN INVERTS.
3. MAKING SURE THE BASES ARE LEVEL AND THE STORAGE MANHOLE OPENINGS ARE ALIGNED WITH THE SEPARATOR UNIT, INSTALL PRIMARY AND STORAGE MANHOLES. INSTALL WATERTIGHT GASKETS ON BASE UNITS AND COAT WITH LUBRICATING GREASE (IF REQUIRED). INSTALL ADDITIONAL MANHOLE SECTIONS AS REQUIRED. SEAL LIFT HOLES WITH NON-SHRINK GROUT.
4. BACKFILL BASE SECTIONS OF MANHOLES TO INVERT OF STORAGE MANHOLE CONNECTING PIPES. USING APPROVED BACKFILL MATERIAL, BACKFILL AND COMPACT IN 8 INCH LIFTS. BACKFILL AND COMPACTION SHOULD BE MONITORED BY A GEOTECHNICAL ENGINEER.
5. INSTALL BAYSEPARATOR UNIT AND CONNECTING PIPES. SEAL ALL CONNECTING JOINTS AND INSTALL SEPARATOR HDPE REDUCER/ADAPTER. CUT EXCESS LENGTH OFF CONNECTING PIPES INSIDE STORAGE MANHOLE.
6. BACKFILL SEPARATOR UNIT AND MANHOLES. AREAS NOT ACCESSIBLE TO COMPACTION EQUIPMENT MUST BE BACKFILLED WITH #57, #7, OR PEA GRAVEL.
7. INSTALL AND SET MANHOLE COVER GRADE ADJUSTMENT RINGS AS NECESSARY.
8. INSTALL AND SET MANHOLE FRAME AND COVER UNITS.

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3 STORMWATER TREATMENT SPECIFICATIONS
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER PEYTON IRL LINGLE 01/04/19
GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

| SUBMITTALS / REVISIONS | |
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SHEET TITLE
DRAINAGE AND ESPC DETAILS

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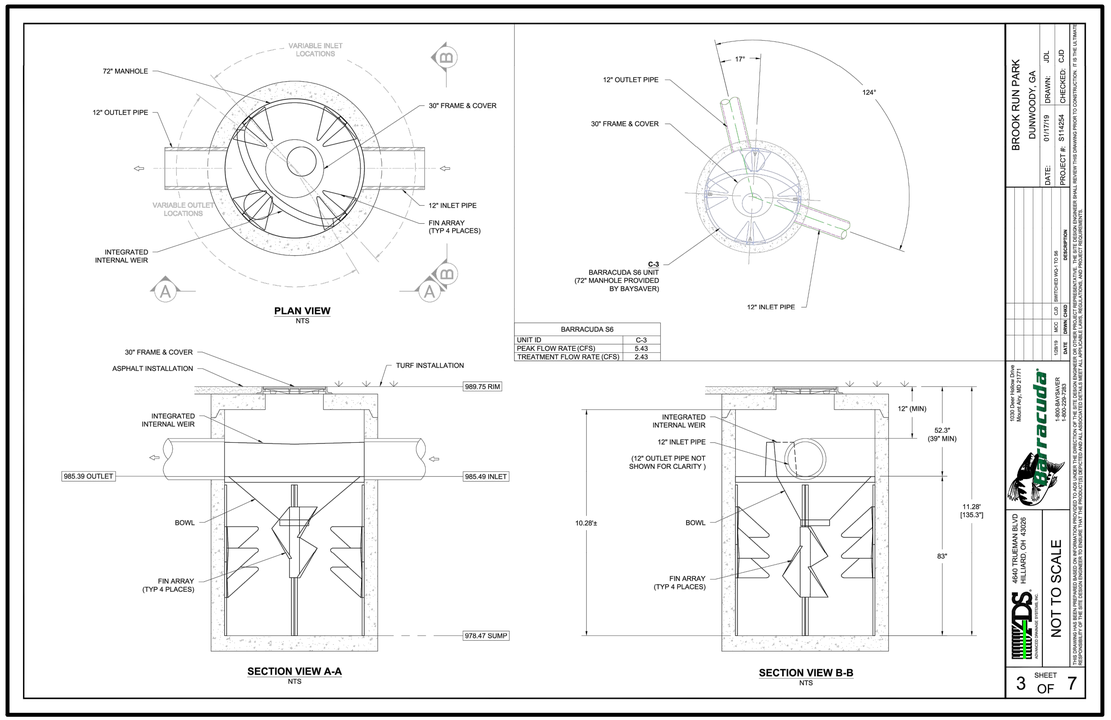
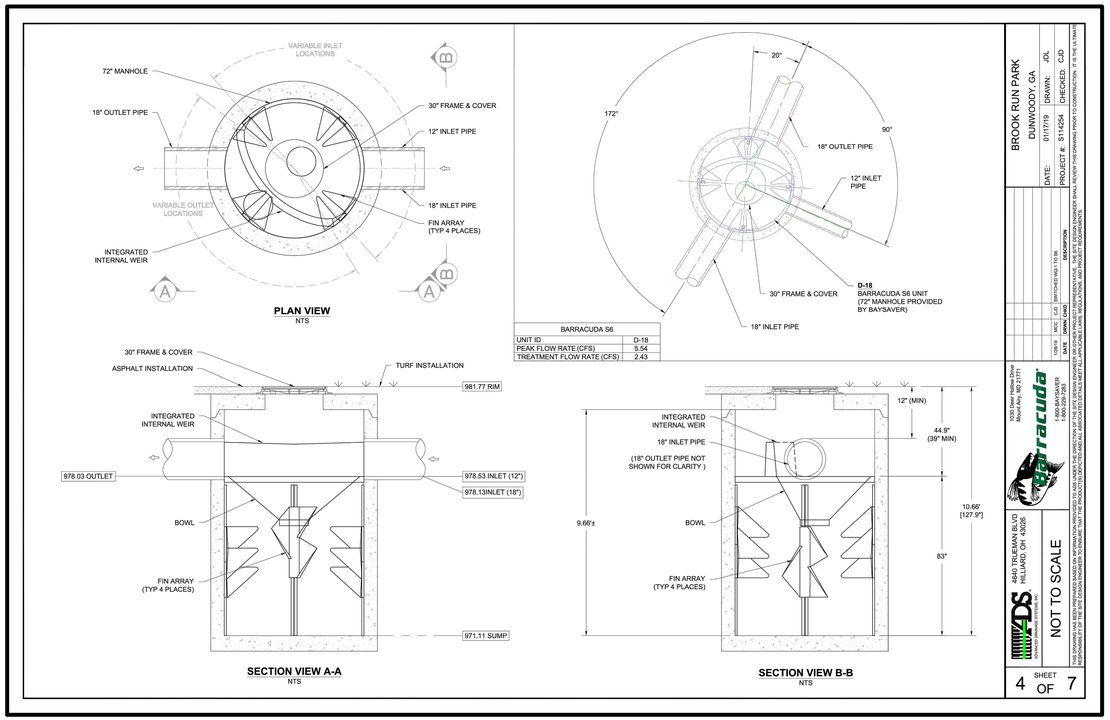


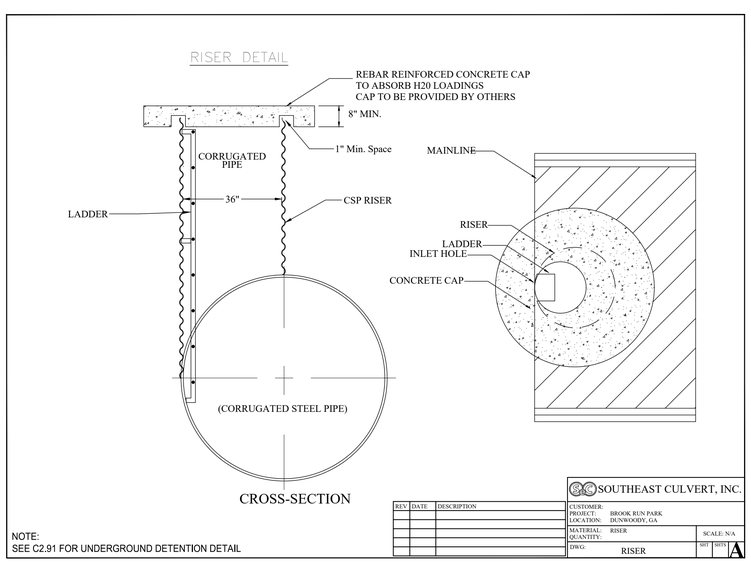

1 STORMWATER TREATMENT LINE-C

SCALE: XX = XX




2 STORMWATER TREATMENT LINE-D

SCALE: XX = XX




3 ACCESS MANHOLE DETAIL (UNDERGROUND DETENTION)

NOT USED

LOSE DESIGN SPACES FOR LIFE.

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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

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CONFORM SET 04-29-2019

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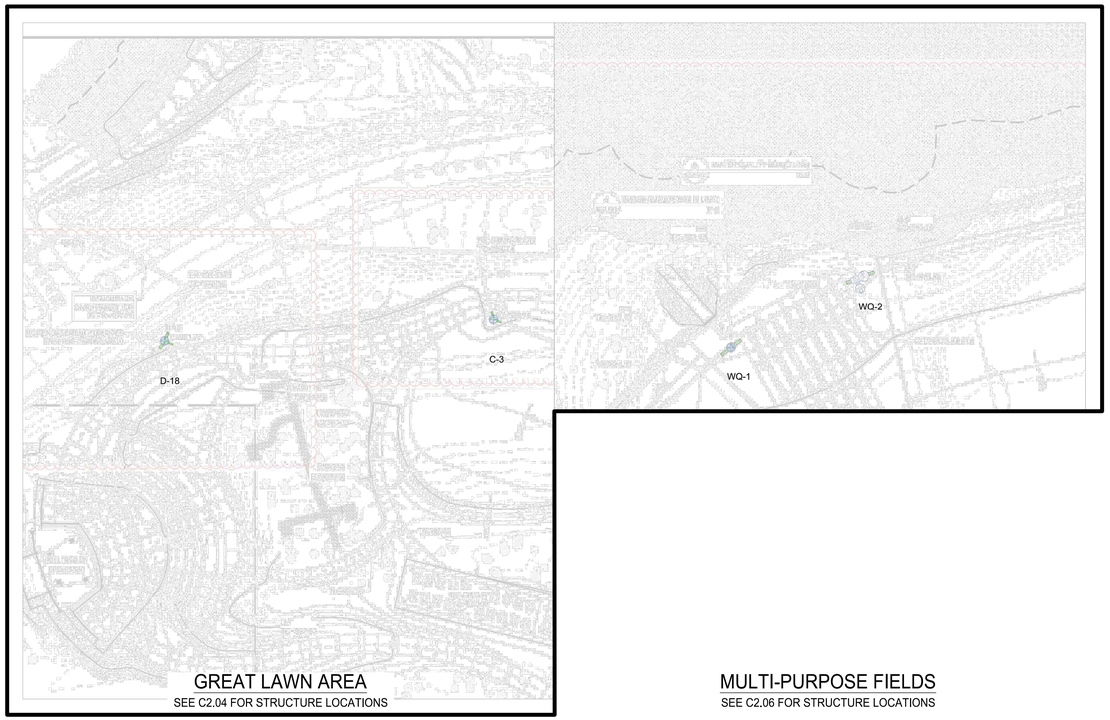
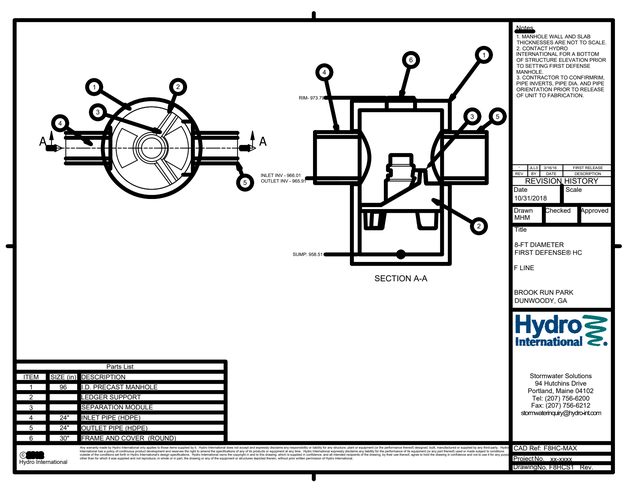


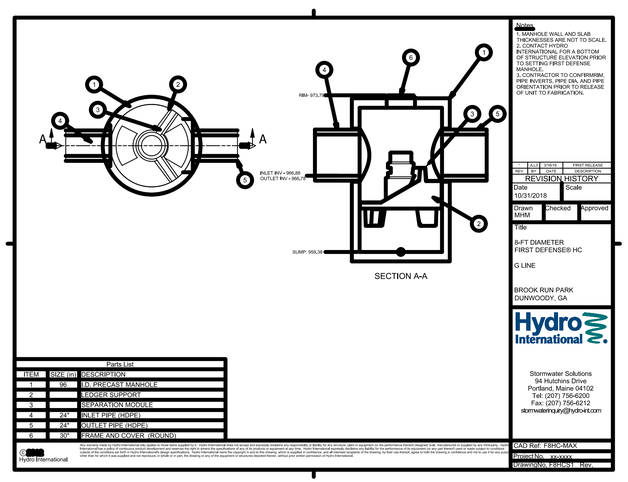

2 STORMWATER TREATMENT LOCATION MAP
SCALE: XX = XX

NOT USED

NOT USED




4 WATER QUALITY BOX (F LINE)
SCALE: NTS




5 WATER QUALITY BOX (G LINE)
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

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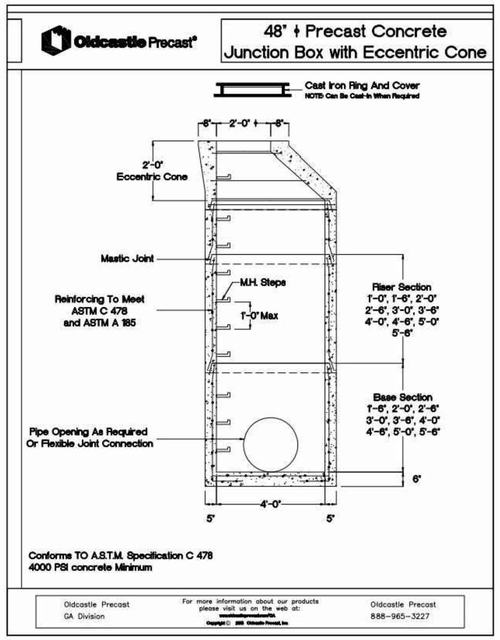
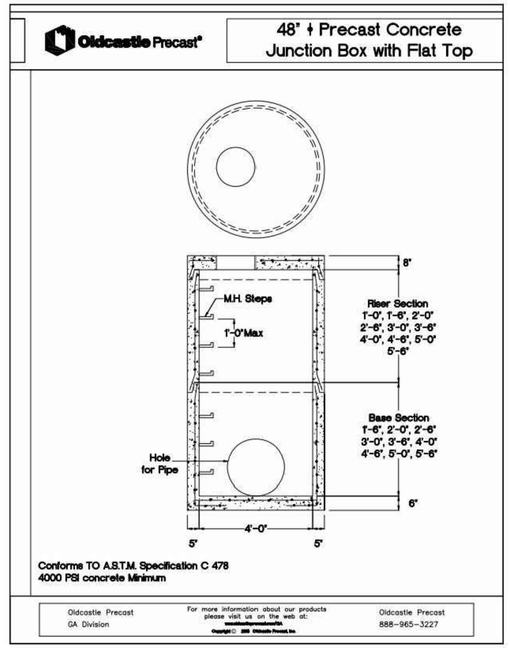
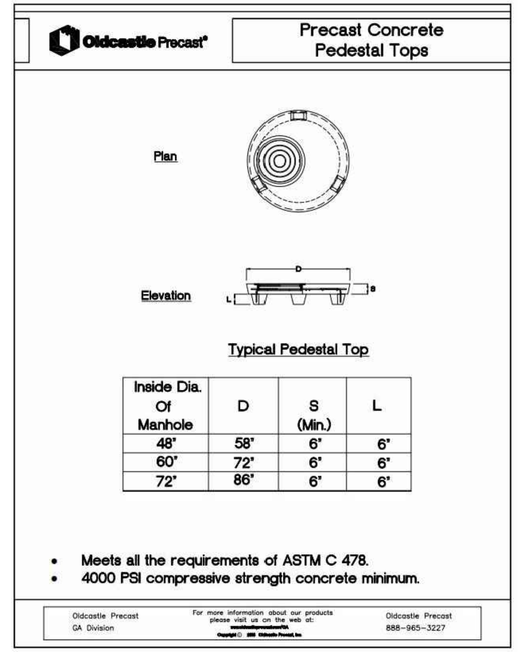
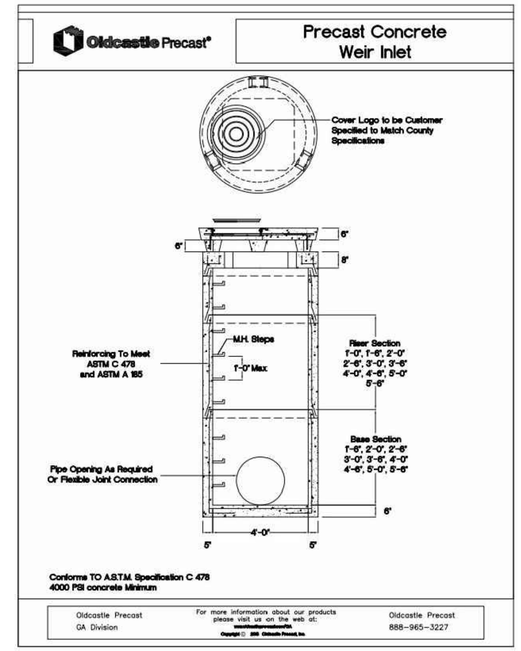


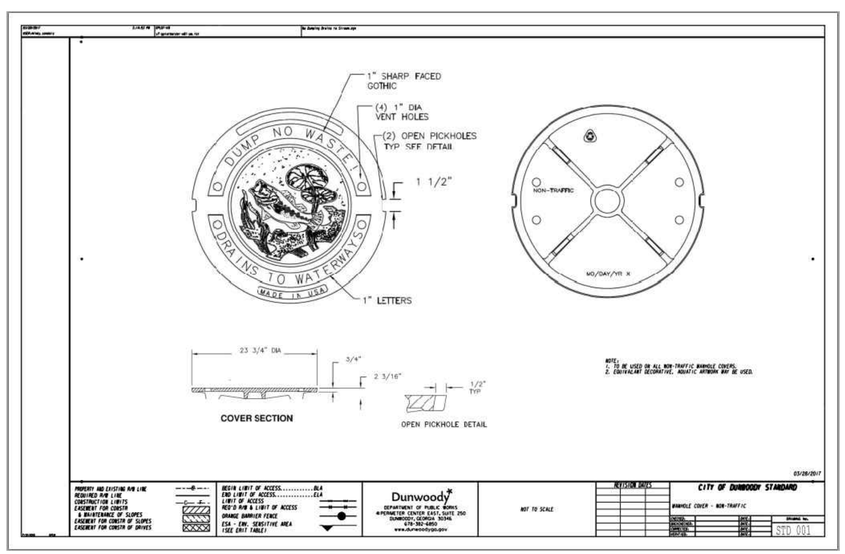

1 JUNCTION BOX
SCALE: NTS



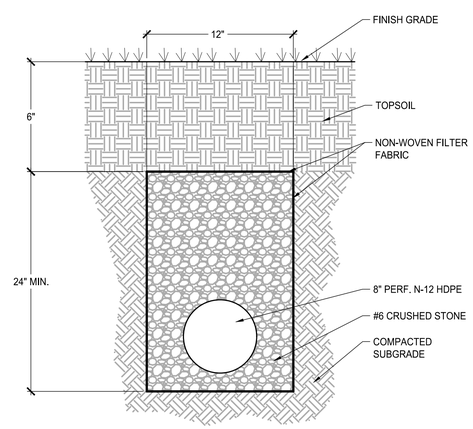




2 PEDESTAL TOP WEIR INLET
SCALE: NTS

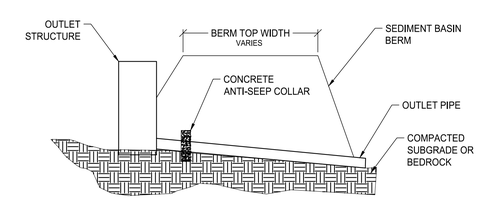



3 NON-TRAFFIC MANHOLE COVER
SCALE: NTS




4 FRENCH DRAIN
SCALE: NTS




NOTE:
1. ALL JOINTS AND CONNECTIONS TO THE ANTI-SEEP COLLARS SHALL BE WATERTIGHT.
2. COLLAR TO BE PLACED BEFORE FIRST JOINT IN OUTLET PIPE.
3. CONCRETE TO BE 3500 PSI.
4. COLLAR TO PROJECT A MINIMUM 18" VERTICALLY BELOW THE BOTTOM OF THE STONE TRENCH AND 18" ABOVE THE TOP OF THE OUTLET PIPE.
5. THE COLLAR SHALL BE A MINIMUM OF 1.0' THICK.
6. COMPACTED SUBGRADE SHALL CONSIST OF CLAY SOIL COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR.

5 ANTI-SEEP COLLAR
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

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CONFORM SET 04-29-2019

SHEET TITLE

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| PROJECT NO. 17302 | DATE 01-04-2019 |
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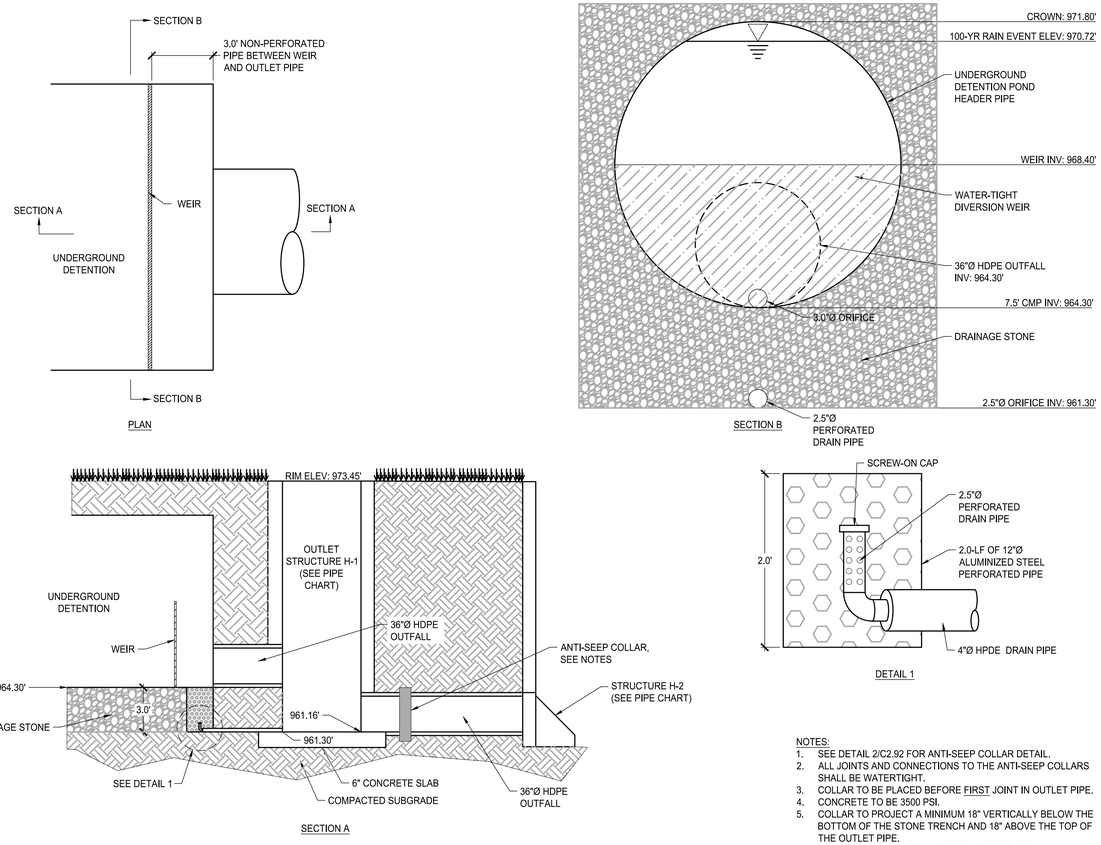
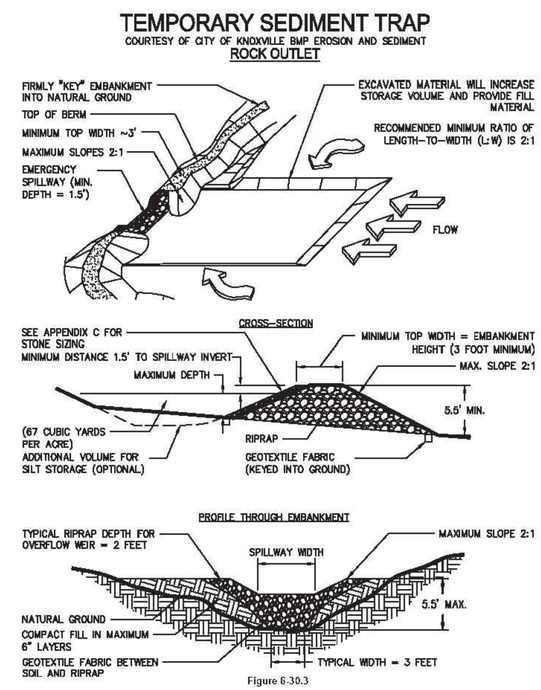



NOTES:
1. SEE DETAIL 2/C2.92 FOR ANTI-SEEP COLLAR DETAIL.
2. ALL JOINTS AND CONNECTIONS TO THE ANTI-SEEP COLLARS SHALL BE WATERTIGHT.
3. COLLAR TO BE PLACED BEFORE FIRST JOINT IN OUTLET PIPE.
4. CONCRETE TO BE 3500 PSI.
5. COLLAR TO PROJECT A MINIMUM 18" VERTICALLY BELOW THE BOTTOM OF THE STONE TRENCH AND 18" ABOVE THE TOP OF THE OUTLET PIPE.
6. THE COLLAR SHALL BE A MINIMUM OF 1.0' THICK.
7. COMPACTED SUBGRADE SHALL CONSIST OF CLAY SOIL COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR.

## 2 UNDERGROUND DETENTION OUTLET STRUCTURE
SCALE: NTS




## 3 TEMPORARY SEDIMENT TRAP - SD4 ROCK OUTLET
SCALE: NTS

LOSE DESIGN SPACES FOR LIFE.

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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
GEORGIA
DUNWOODY

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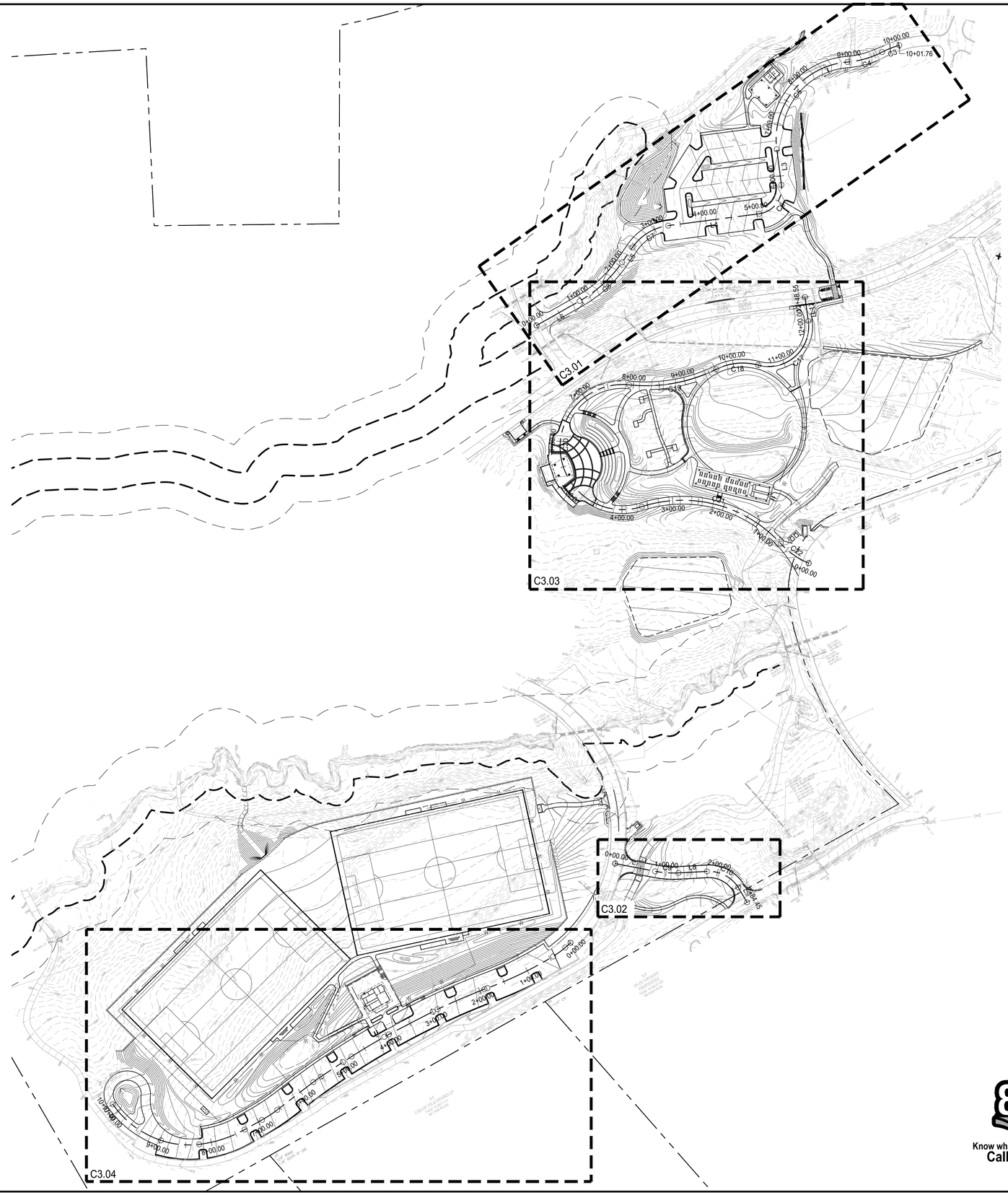


Know what's below.
Call before you dig.

0 100' 200' 300'
SCALE: 1" = 100 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER PE041517 01/04/19 PEYTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS
IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

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SHEET TITLE

ROADWAY PLAN
SHEETS KEY

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1" = 100' |
| CHECKED BY PIL | |

SHEET NO.
C3.00

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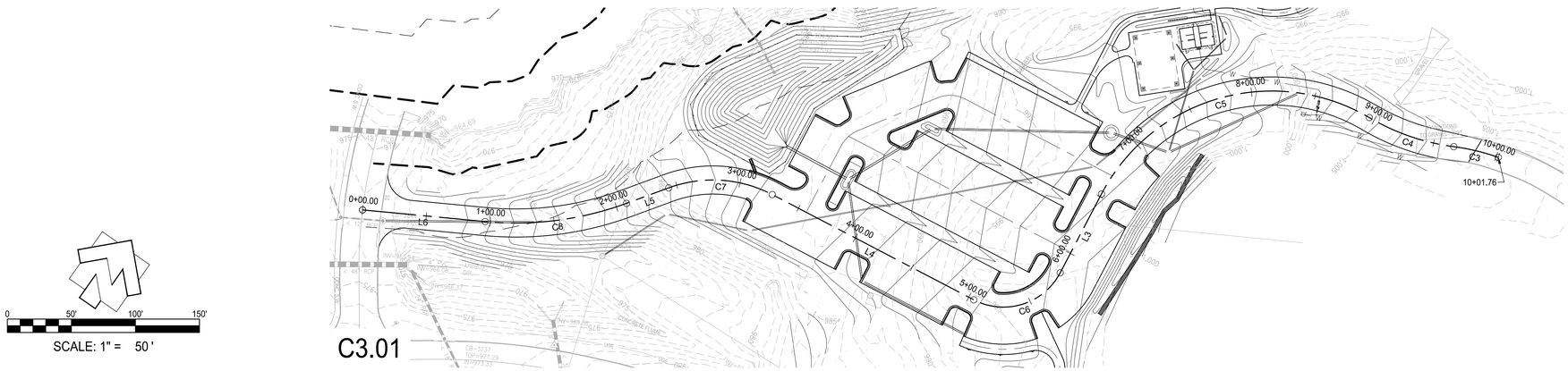


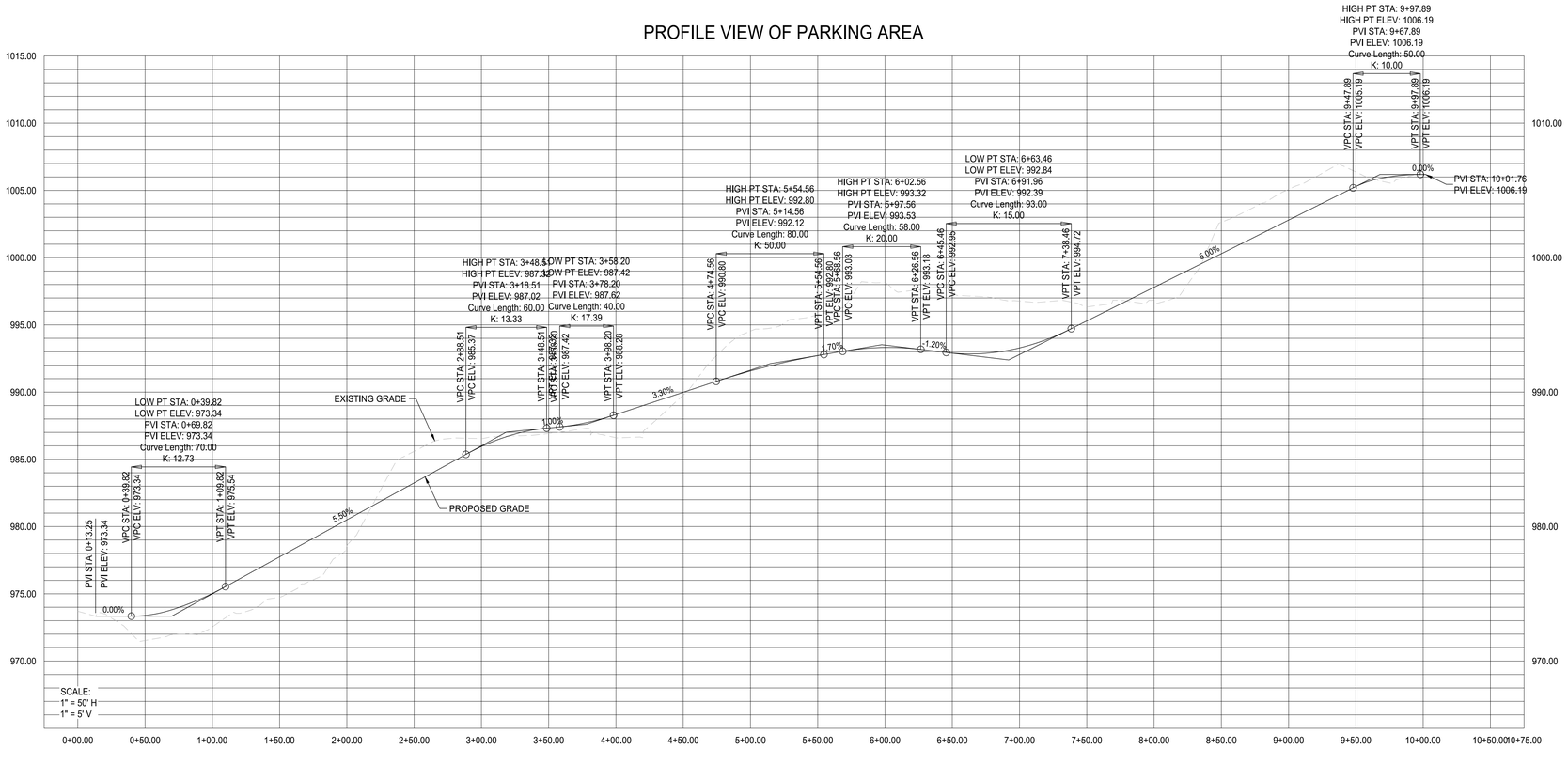


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GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE041517
01/04/19
PEYTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS
IMPROVEMENTS

CITY OF DUNWOODY
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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SHEET TITLE

ROADWAY PLAN & PROFILE

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1" = 50' |
| CHECKED BY PIL | |
| SHEET NO. C3.01 | |

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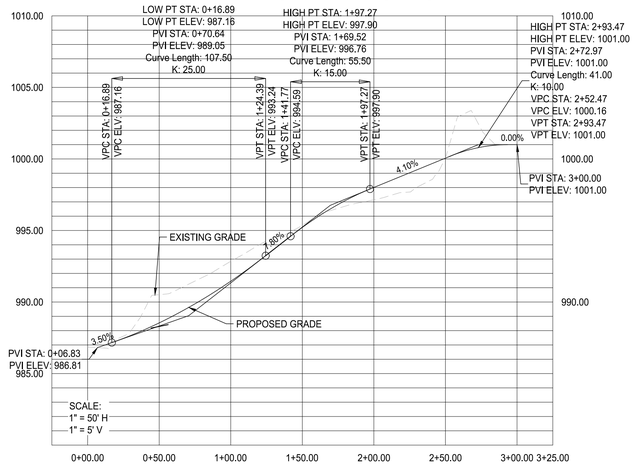
0 50' 100' 150'

SCALE: 1" = 50 '

## PROFILE VIEW OF ENTRANCE ROAD

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01/04/19
PETTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS
IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

| SUBMITTALS / REVISIONS | | |
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SHEET TITLE

ROADWAY PLAN & PROFILE

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| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1" = 50' |
| CHECKED BY PIL | |
| SHEET NO. C3.02 | |

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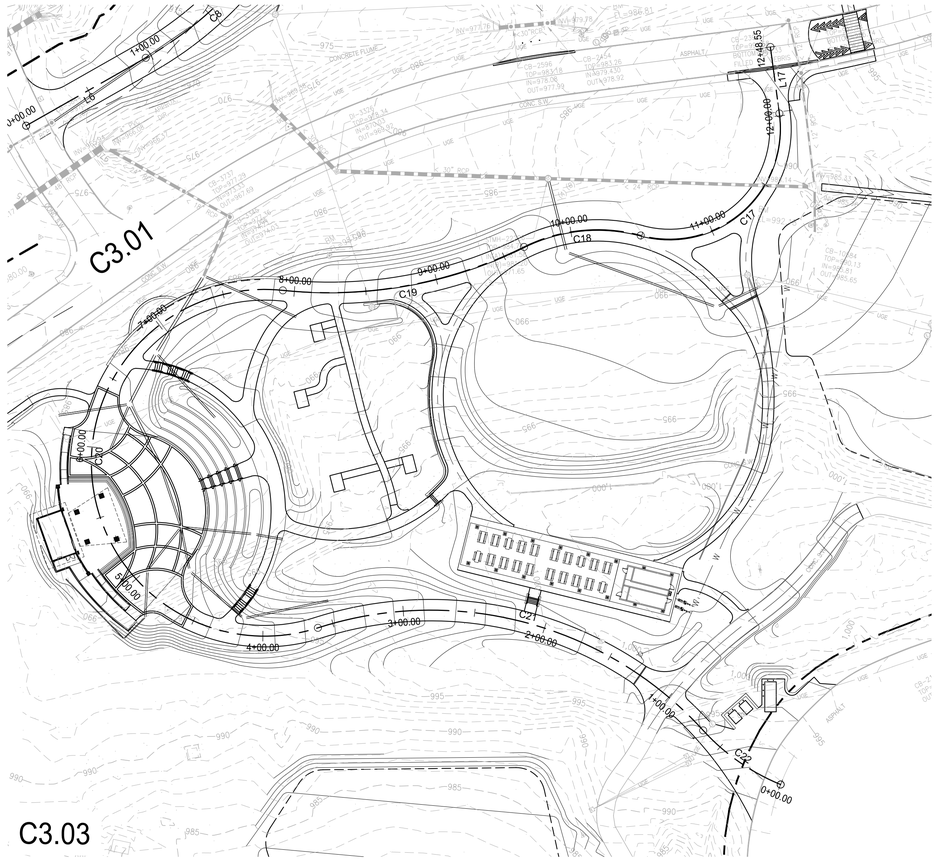
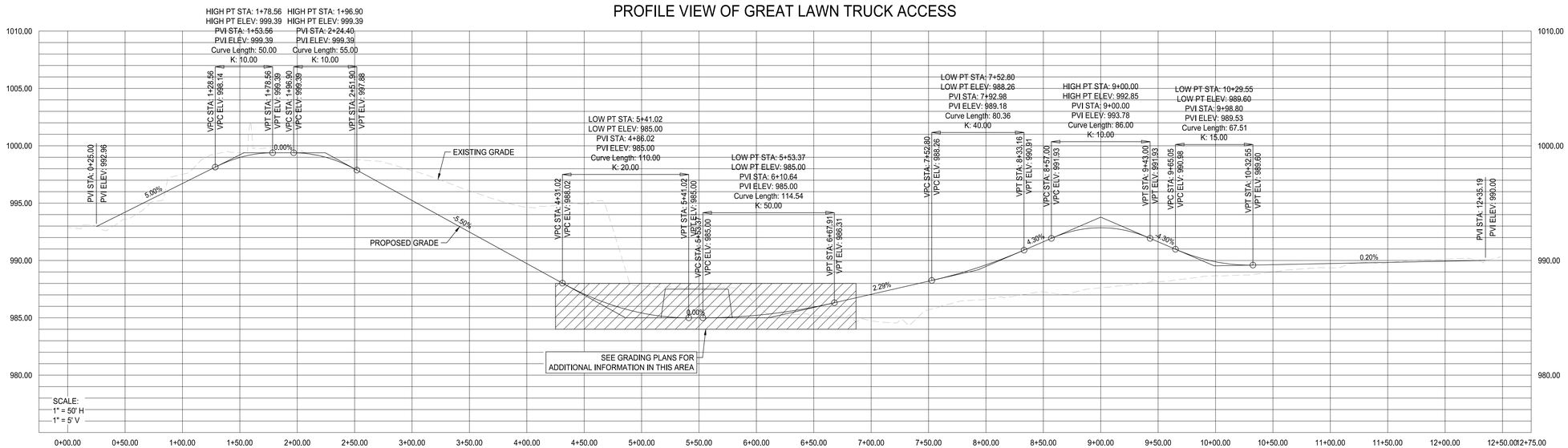



0 50' 100' 150'

SCALE: 1" = 50 '

## PROFILE VIEW OF GREAT LAWN TRUCK ACCESS

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GEORGIA REGISTERED PROFESSIONAL ENGINEER PEYTON IRL LINGLE
No. PE041517
01/04/19

# BROOK RUN PARK IMPROVEMENTS
IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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SHEET TITLE

ROADWAY PLAN & PROFILE

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| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1" = 50' |
| CHECKED BY PIL | |

SHEET NO.

C3.03

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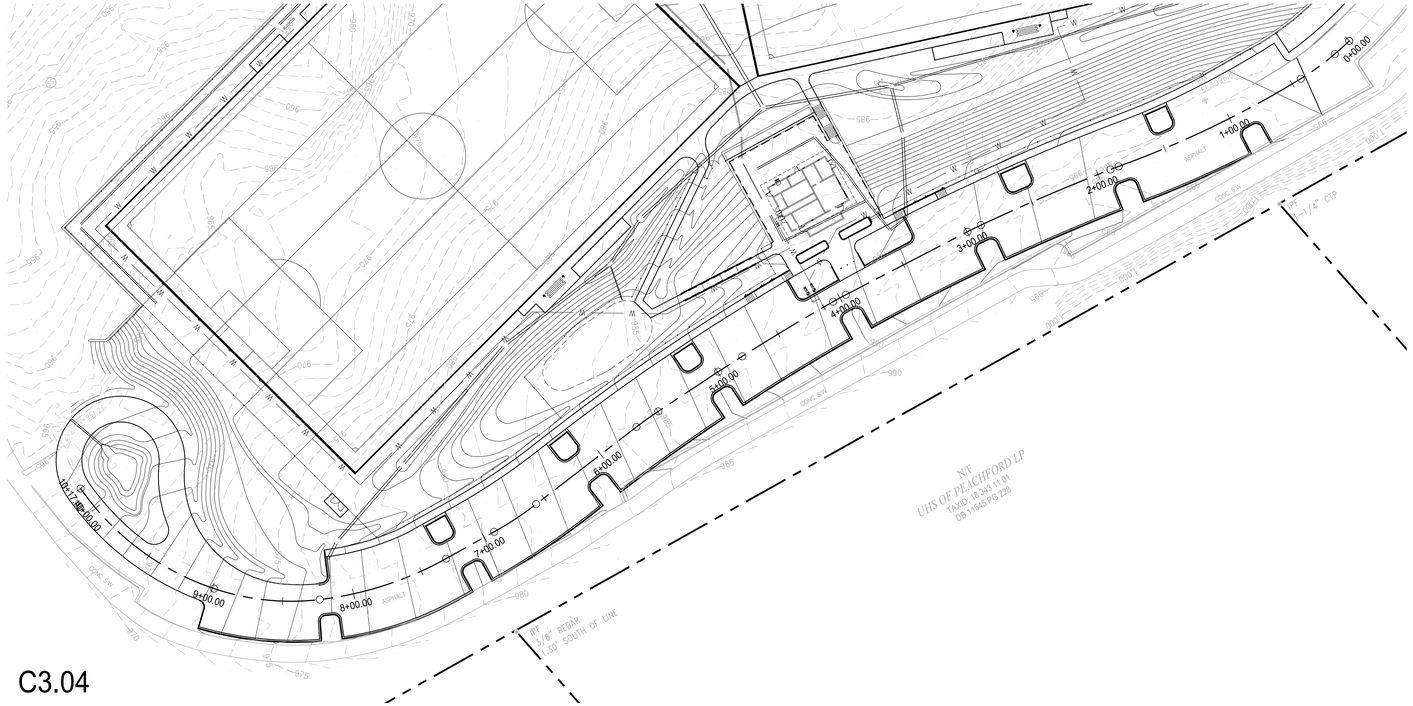
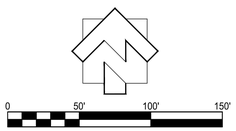
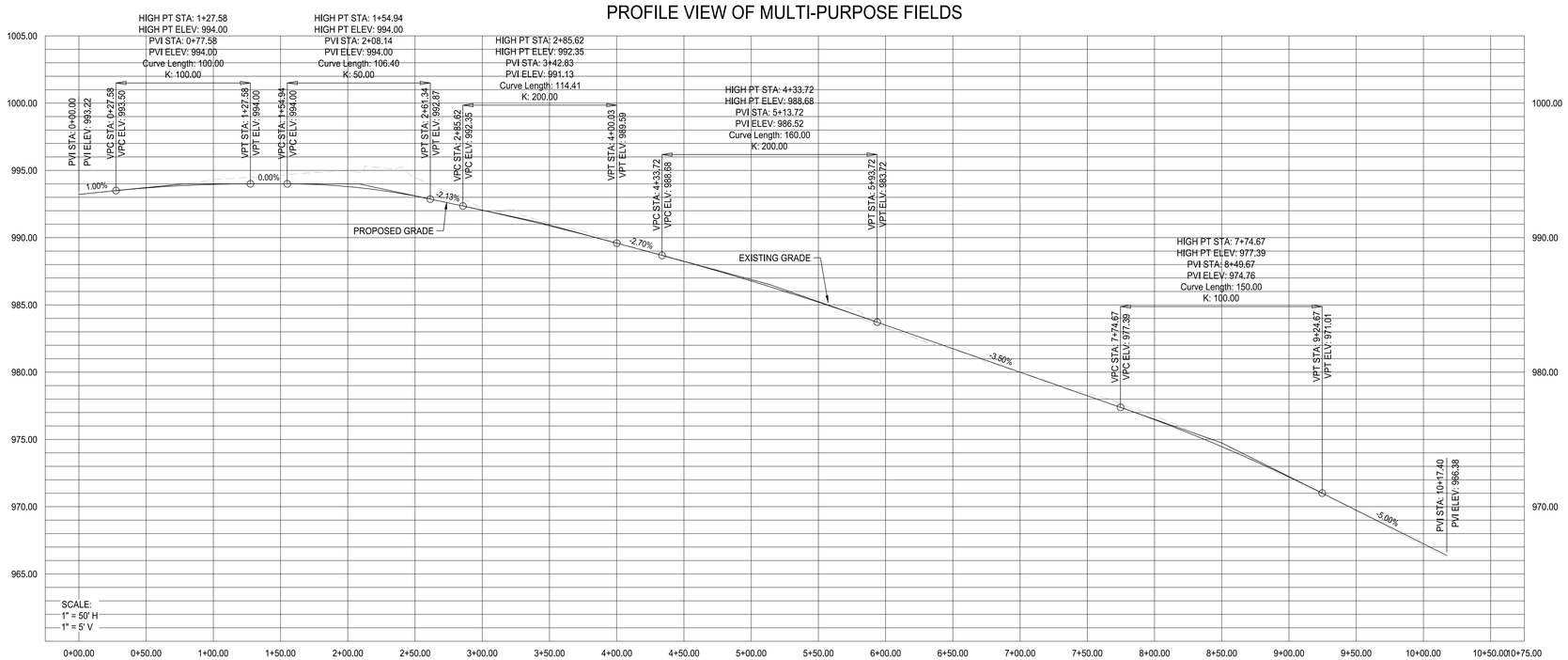



SCALE: 1" = 50 '

C3.04

## PROFILE VIEW OF MULTI-PURPOSE FIELDS

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01/04/19
PETTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS
IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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SHEET TITLE

ROADWAY PLAN & PROFILE

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1" = 50' |
| CHECKED BY PIL | |

SHEET NO.

C3.04

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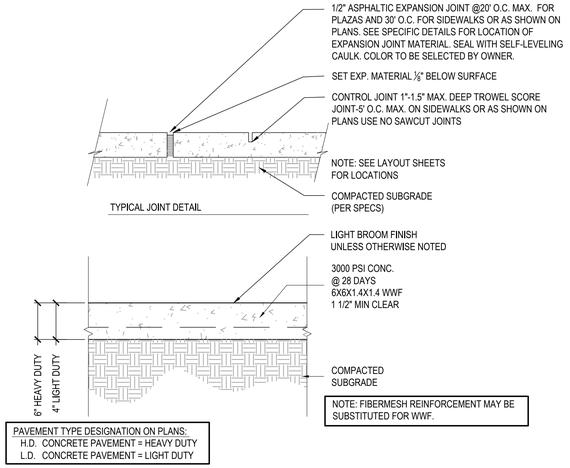
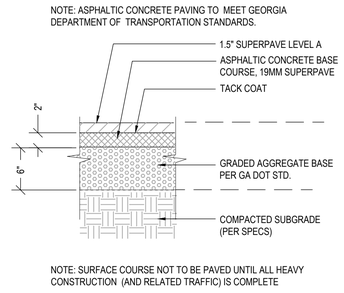
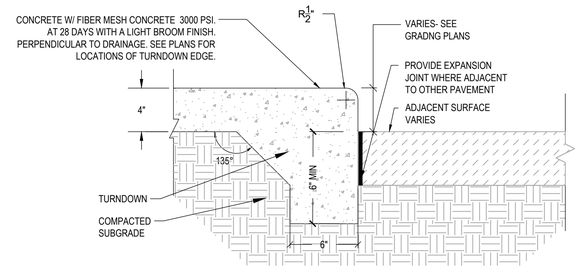


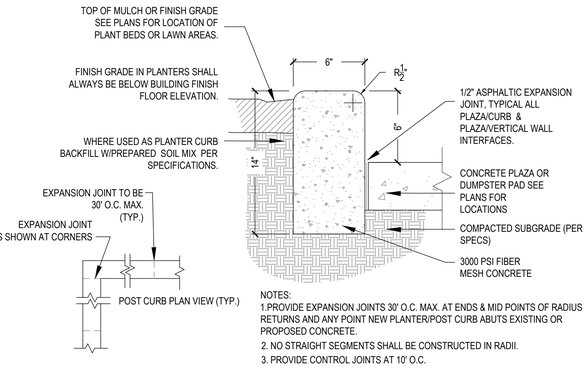

## 1 CONCRETE PAVEMENT
SCALE: NTS




## 2 ASPHALT PAVEMENT
SCALE: NTS

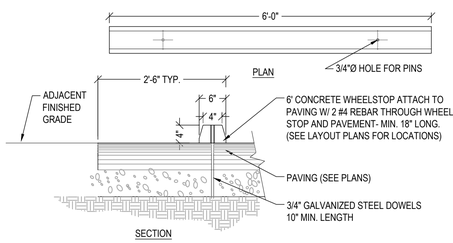



## 3 TURNDOWN CURB
SCALE: NTS



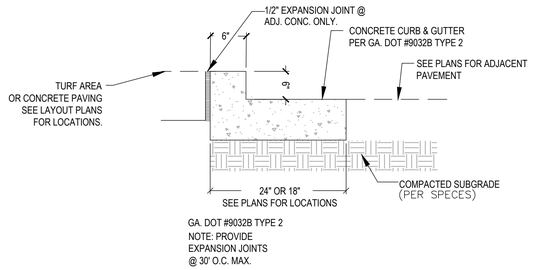

NOTES:
1. PROVIDE EXPANSION JOINTS 30' O.C. MAX. AT ENDS & MID POINTS OF RADIUS RETURNS AND ANY POINT NEW PLANTER/POST CURB ABUTS EXISTING OR PROPOSED CONCRETE.
2. NO STRAIGHT SEGMENTS SHALL BE CONSTRUCTED IN RADII.
3. PROVIDE CONTROL JOINTS AT 10' O.C.

## 4 POST CURB
SCALE: NTS

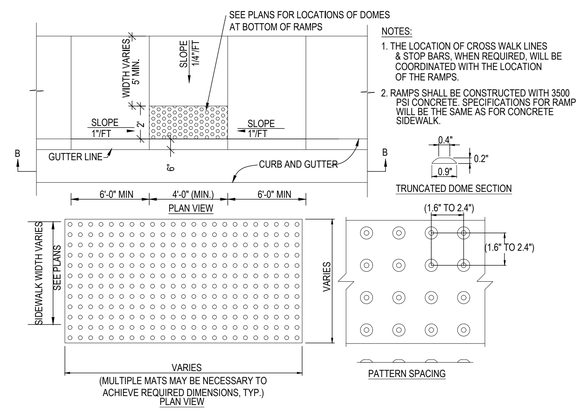



## 5 WHEELSTOP
SCALE: NTS

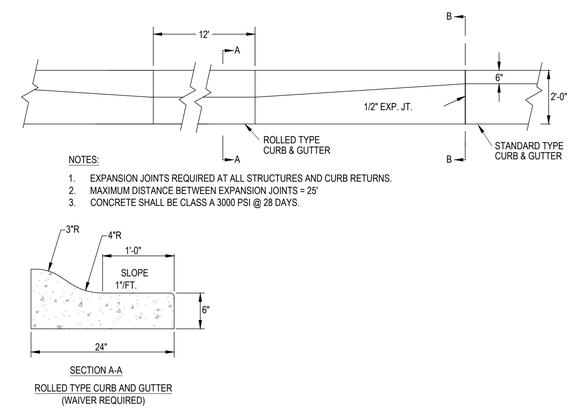
NOTES:
1.PROVIDE EXPANSION JOINTS 30' O.C. MAX. AT ENDS & MID POINTS OF RADIUS RETURNS AND ANY POINT NEW CURB & GUTTER ABUTS EXISTING OR PROPOSED CONCRETE.
2. PROVIDE 5' LONG TRANSITION BETWEEN NORMAL AND PITCHED GUTTER UNLESS OTHERWISE NOTED ON PLANS.
3. NO STRAIGHT SEGMENTS SHALL BE CONSTRUCTED IN RADII.
4. CURB AND GUTTER IN DECEL. LANES TO BE 30" U.N.O.
5. PROVIDE CONTROL JOINTS AT 10' O.C.




## 6 CURB AND GUTTER
SCALE: NTS



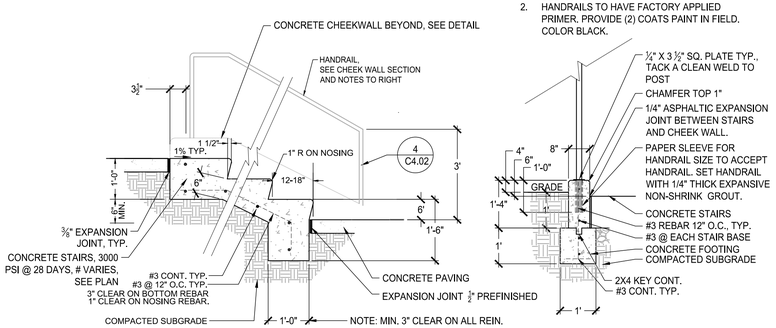

## 7 HANDICAP RAMP & TACTILE WARNING STRIP
SCALE: NTS



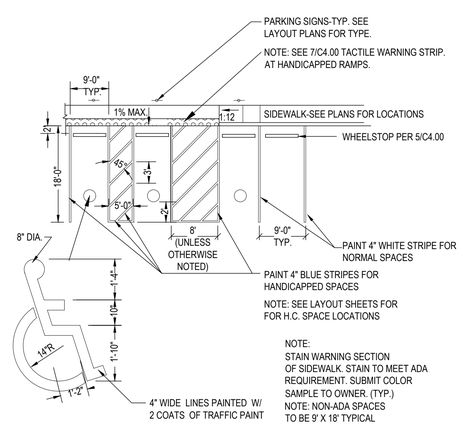

## 8 ROLLED CURB
SCALE: NTS

NOTE:
1. ALL CONCRETE: PROVIDE LIGHT SANDBLAST FINISH ON ALL EXPOSED VERTICAL SURFACES. PLACE HEAVY BROOM FINISH ON TREADS.
2. 1% MIN SLOPE ON ALL CONCRETE
3. SEE PLANS FOR LOCATIONS OF 18" TREADS. TREADS TO BE 12" UNLESS OTHERWISE NOTED ON PLANS

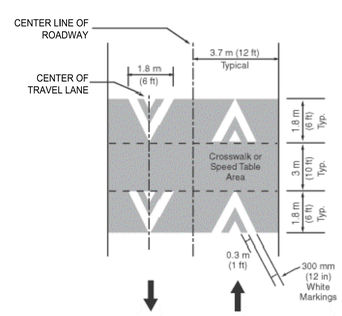
HANDRAIL NOTES:
1. INSTALL IN CHEEKWALL AT STAIRS UNLESS OTHERWISE NOTED ON PLANS OR SECTIONS.
2. HANDRAILS TO HAVE FACTORY APPLIED PRIMER. PROVIDE (2) COATS PAINT IN FIELD. COLOR BLACK.



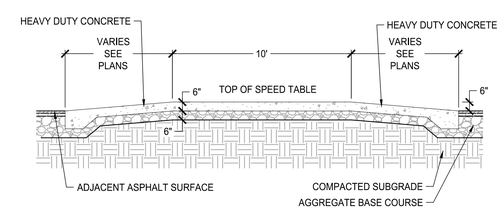

## 9 CONCRETE STAIRS
SCALE: NTS




## 10 HANDICAP PARKING LAYOUT
SCALE: NTS




## 11 TRAFFIC TABLE
SCALE: NTS




NOTES:
1. TRAFFIC SPEED TABLE TO BE IN ACCORDANCE WITH MUTCD AND GDOT STANDARDS.

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STATE OF GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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| . | . | CONFORM SET 04-29-2019 |

SHEET TITLE
SITE DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY LC/TF | SCALE NTS |
| CHECKED BY MB | |
| SHEET NO. C4.00 | |

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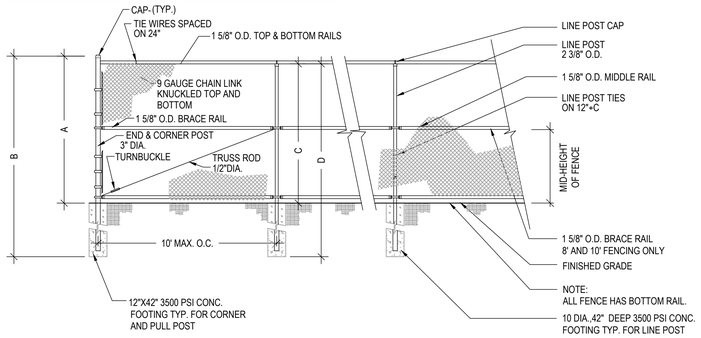
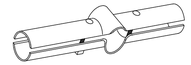
| FENCE HEIGHT | CORNER & END POST A | CORNER & END POST B | LINE POST C | LINE POST D |
|---|---|---|---|---|
| 3'-0" | 3'-0 5/8 " | 5'-1" | 2'-8 7/8 " | 4'-8" |
| 4'-0" | 4'-0 5/8 " | 6'-1" | 4'-8 7/8 " | 5'-8" |
| 6'-0" | 6'-0 5/8 " | 9'-1" | 5'-8 7/8 " | 8'-8" |
| 8'-0" | 8'-0 5/8 " | 11'-1" | 7'-8 7/8 " | 10'-8" |
| 10'-0" | 10'-0 5/8 " | 13'-1" | 9'-8 7/8 " | 12'-8" |

NOTE: SEE FENCE & POST CHART FOR ALL DIMENSIONS



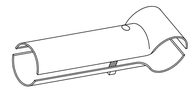

## 1 CHAIN LINK FENCE

SCALE: NTS



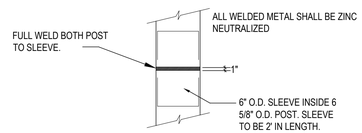
| | | | |
|---|---|---|---|
| NO. 2251 | 1-5/8" | X | 1-5/8" |
| NO. 2186 | 2" | X | 1-5/8" |
| NO. 2188 | 2-3/8" | X | 1-5/8" |
| NO. 2189 | 3" | X | 1-5/8" |

BRACE RAIL AND END RAIL



| | | | |
|---|---|---|---|
| NO. 2177 | 1-5/8" | X | 1-5/8" |
| NO. 2179 | 2" | X | 1-5/8" |
| NO. 2180 | 2-3/8" | X | 1-3/8" |
| NO. 2181 | 2-3/8" | X | 1-5/8" |
| NO. 2182 | 3" | X | 1-5/8" |

LINE RAIL CLAMP AT CROSSING




6" FENCE POST

| FENCE HEIGHT | CORNER & END POST A | CORNER & END POST B | LINE POST C | LINE POST D |
|---|---|---|---|---|
| 3'-3" | 3'-6" | 6'-0" | 3'-2 • 3/4 | 5'-6" |
| 3'-6" | 3'-9" | 6'-2" | 3'-5 • 3/4 | 5'-6" |
| 4'-0" | 4'-3" | 6'-8" | 3'-11 • 3/4 | 6'-6" |
| 5'-0" | 5'-3" | 7'-8" | 4'-11 • 3/4 | 7'-6" |
| 6'-0" | 6'-0 • 5/8 | 9'-1" | 5'-8 • 7/8 | 8'-8" |
| 7'-0" | 7'-0 • 5/8 | 10'-1" | 6'-8 • 7/8 | 9'-8" |
| 8'-0" | 8'-0 • 5/8 | 11'-1" | 7'-8 • 7/8 | 10'-8" |
| 9'-0" | 9'-0 • 5/8 | 12'-1" | 8'-8 • 7/8 | 11'-8" |
| 10'-0" | 10'-0 • 5/8 | 13'-1" | 9'-8 • 7/8 | 12'-8" |
| 12'-0" | 12'-0 • 5/8 | 15'-1" | 11'-8 • 7/8 | 14'-8" |

NOTES:

1. ALL POSTS AND RAILS SHALL BE LOCATED OUTSIDE THE PLAYING FIELDS W/FABRIC TO THE INSIDE.
2. ALL TERMINAL AND LINE POST 20'-0" OR TALLER SHALL BE 4" DIA. SCH. 40 STEEL UNLESS OTHERWISE NOTED
3. ALL RAILS SHALL BE 1-5/8"X1/4" ROLL FORMED STEEL OR EQUAL C TYPE RAIL POST.
4. ALL POSTS SHALL BE EQUIPPED WITH EITHER LINE POST CAPS OR STANDARD CAPS TO KEEP MOISTURE OUT OF POST.
5. ALL FENCING SHALL BE KNUCKLED TOP AND BOTTOM.
6. SEE FENCING CHARTS FOR CORNER POST AND LINE POST REQUIREMENTS.
7. CHANGES IN REQUIRED PLANS DUE TO SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR APPROVAL.
8. ALL FIELD ACCESS GATES TO BE SINGLE PANELS UNLESS NOTED OTHERWISE ON PLANS.
9. SOFT STEEL TIES. ( 9 GAUGE STEEL TO MATCH FENCE FABRIC COATING.)
10. MID-RAIL ON FENCING OVER 6'.
11. FENCING HT.: 4' AND UNDER 1 BAND PER FOOT. FENCING HT.: 5' AND ABOVE 1 BAND LESS THAN HT. OF FENCE.

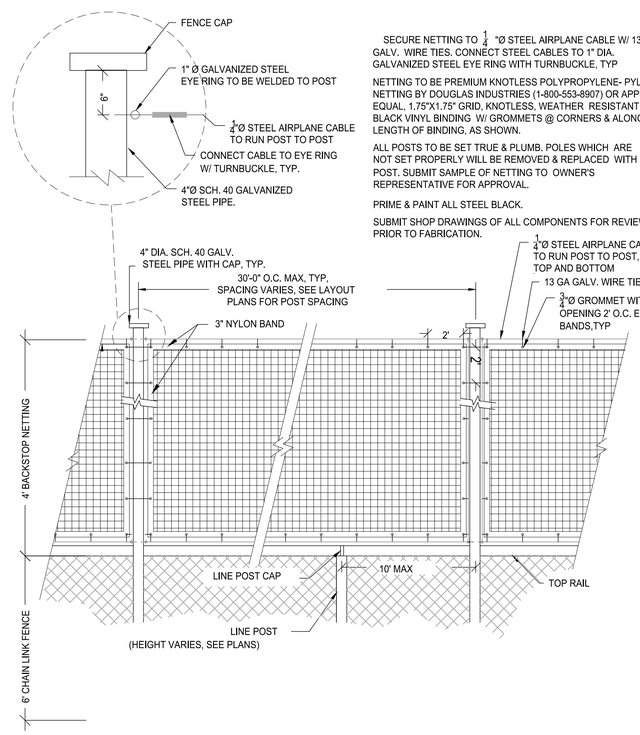
NOTE: ALL FENCE FABRIC, POSTS, RAILS, HARDWARE, ETC., TO BE FUSION BONDED PVC, COLOR: BLACK. NOTE WIRE GAUGE SPECIFICATIONS REFER TO CORE WIRE SIZE ONLY (NOT CORE WIRE PLUS FINISH COATING)

| NOMINAL OPENING | SQ. HINGE & LATCH POST | ACTUAL OPENING | HINGE SETTING C | RD HINGE & LATCH POST | ACTUAL OPENING | HINGE SETTINGS C | FRAME B |
|---|---|---|---|---|---|---|---|
| 3'0" | | 3'1" | | | 3'1-1/2" | | 2'8-1/2" |
| 3'6" | | 3'7" | | | 3'7-1/2" | | 3'2-1/2" |
| 4'0" | 2 1/2" OR 3" | 4'1" | | 3" OD | 4'1-1/2" | | 3'8-1/2" |
| 5'0" | | 5'1" | 2" | | 5'1-1/2" | 2 1/4" | 4'8-1/2" |
| 6'0" | | 6'1" | | | 6'1-1/2" | | 5'8-1/2" |
| 7'0" | | 7'1" | | | 7'1-1/2" | | 6'8-1/2" |
| 8'0" | | 8'1" | | | 8'1-1/2" | | 7'8-1/2" |
| 9'0" | 3" | 9'1" | | 4" OD | 9'1-1/2" | | 8'8-1/2" |
| 10'0" | | 10'1" | | | 10'1-1/2" | | 9'8-1/2" |
| " | — | — | — | 6-5/8" | 10'2-1/2" | 3-1/2" | 9'8-1/2" |
| 11'0" | — | — | — | 4" | 11'1-1/2" | 2-1/4" | 10'8-1/2" |
| " | — | — | — | 6-5/8" | 11'2-1/2" | 3-1/2" | 10'8-1/2" |
| 12'0" | — | — | — | 4" | 12'1-1/2" | 2-1/4" | 11'8-1/2" |
| " | — | — | — | 6-5/8" | 12'2-1/2" | 3-1/2" | 11'8-1/2" |
| 13'0" | — | — | — | | 13'1-1/2" | | 12'7-1/2" |

| NOMINAL OPENING | SQ. HINGE & LATCH POST | ACTUAL OPENING | HINGE SETTING C | RD HINGE & LATCH POST | ACTUAL OPENING | HINGE SETTINGS C | FRAME B |
|---|---|---|---|---|---|---|---|
| 6'0" | | 6'0" | | 3" OD | 6'0-1/2" | | 2'8-1/2" |
| 7'0" | | 7'0" | | | 7'0-1/2" | | 3'2-1/2" |
| 8'0" | 2 1/2" OR 3" | 8'0" | | 4" OD | 8'0-1/2" | | 3'8-1/2" |
| 10'0" | | 10'0" | 2" | | 10'0-1/2" | 2 1/4" | 4'8-1/2" |
| 12'0" | | 12'0" | | | 12'0-1/2" | | 5'8-1/2" |
| 14'0" | | 14'0" | | | 14'0-1/2" | | 6'8-1/2" |
| 16'0" | | 16'0" | | 4" OD | 16'0-1/2" | | 7'8-1/2" |
| 18'0" | 3" | 18'0" | | | 18'0-1/2" | | 8'8-1/2" |
| 20'0" | | 20'0" | | | 20'0-1/2" | | 9'8-1/2" |
| " | — | — | — | 6-5/8" | 20'2-1/2" | 3-1/2" | 9'8-1/2" |
| 22'0" | — | — | — | 4" | 22'0-1/2" | 2-1/4" | 10'8-1/2" |
| " | — | — | — | 6-5/8" | 22'2-1/2" | 3-1/2" | 10'8-1/2" |
| 24'0" | — | — | — | 4" | 24'0-1/2" | 2-1/4" | 11'8-1/2" |
| " | — | — | — | 6-5/8" | 24'2-1/2" | 3-1/2" | 11'8-1/2" |
| 26'0" | — | — | — | | 26'0-1/2" | | 12'7-1/2" |

## 2 CHAIN LINK GATES

SCALE: NTS




SECURE NETTING TO 1/4"Ø STEEL AIRPLANE CABLE W/ 13 GA. GALV. WIRE TIES. CONNECT STEEL CABLES TO 1" DIA. GALVANIZED STEEL EYE RING WITH TURNBUCKLE, TYP

NETTING TO BE PREMIUM KNOTLESS POLYPROPYLENE- PYLON NETTING BY DOUGLAS INDUSTRIES (1-800-553-8907) OR APPROVED EQUAL, 1.75"X1.75" GRID, KNOTLESS, WEATHER RESISTANT W/ 1.5" BLACK VINYL BINDING W/ GROMMETS @ CORNERS & ALONG LENGTH OF BINDING, AS SHOWN.

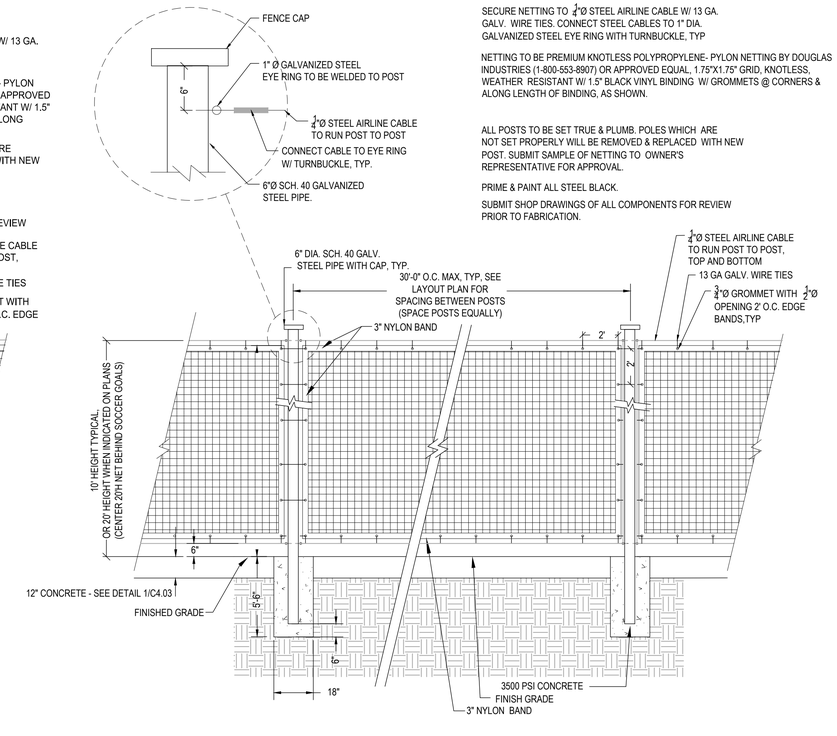
ALL POSTS TO BE SET TRUE & PLUMB. POLES WHICH ARE NOT SET PROPERLY WILL BE REMOVED & REPLACED WITH NEW POST. SUBMIT SAMPLE OF NETTING TO OWNER'S REPRESENTATIVE FOR APPROVAL.

PRIME & PAINT ALL STEEL BLACK.

SUBMIT SHOP DRAWINGS OF ALL COMPONENTS FOR REVIEW PRIOR TO FABRICATION.

## 3 INTEGRAL FENCE AND NETTING

SCALE: NTS




SECURE NETTING TO 1/4"Ø STEEL AIRLINE CABLE W/ 13 GA. GALV. WIRE TIES. CONNECT STEEL CABLES TO 1" DIA. GALVANIZED STEEL EYE RING WITH TURNBUCKLE, TYP

NETTING TO BE PREMIUM KNOTLESS POLYPROPYLENE- PYLON NETTING BY DOUGLAS INDUSTRIES (1-800-553-8907) OR APPROVED EQUAL, 1.75"X1.75" GRID, KNOTLESS, WEATHER RESISTANT W/ 1.5" BLACK VINYL BINDING W/ GROMMETS @ CORNERS & ALONG LENGTH OF BINDING, AS SHOWN.

ALL POSTS TO BE SET TRUE & PLUMB. POLES WHICH ARE NOT SET PROPERLY WILL BE REMOVED & REPLACED WITH NEW POST. SUBMIT SAMPLE OF NETTING TO OWNER'S REPRESENTATIVE FOR APPROVAL.

PRIME & PAINT ALL STEEL BLACK.

SUBMIT SHOP DRAWINGS OF ALL COMPONENTS FOR REVIEW PRIOR TO FABRICATION.

## 4 BACKSTOP NETTING

SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

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CONFORM SET 04-29-2019

SHEET TITLE

SITE DETAILS

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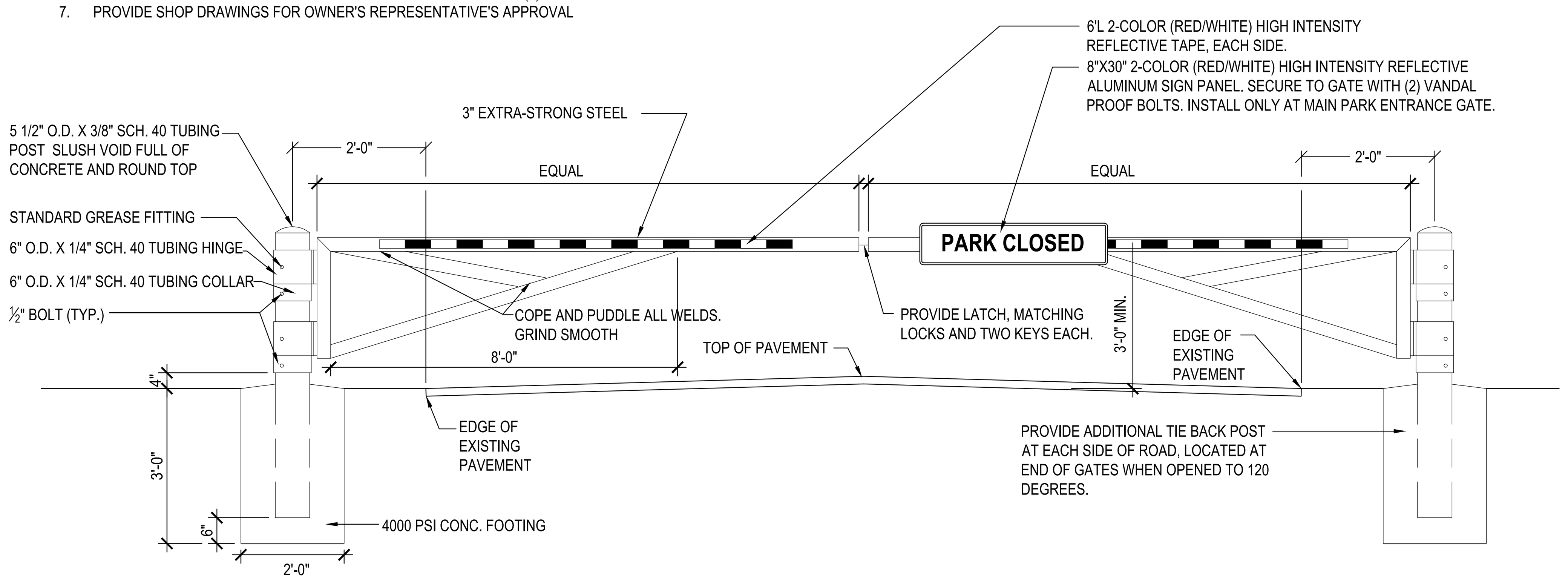
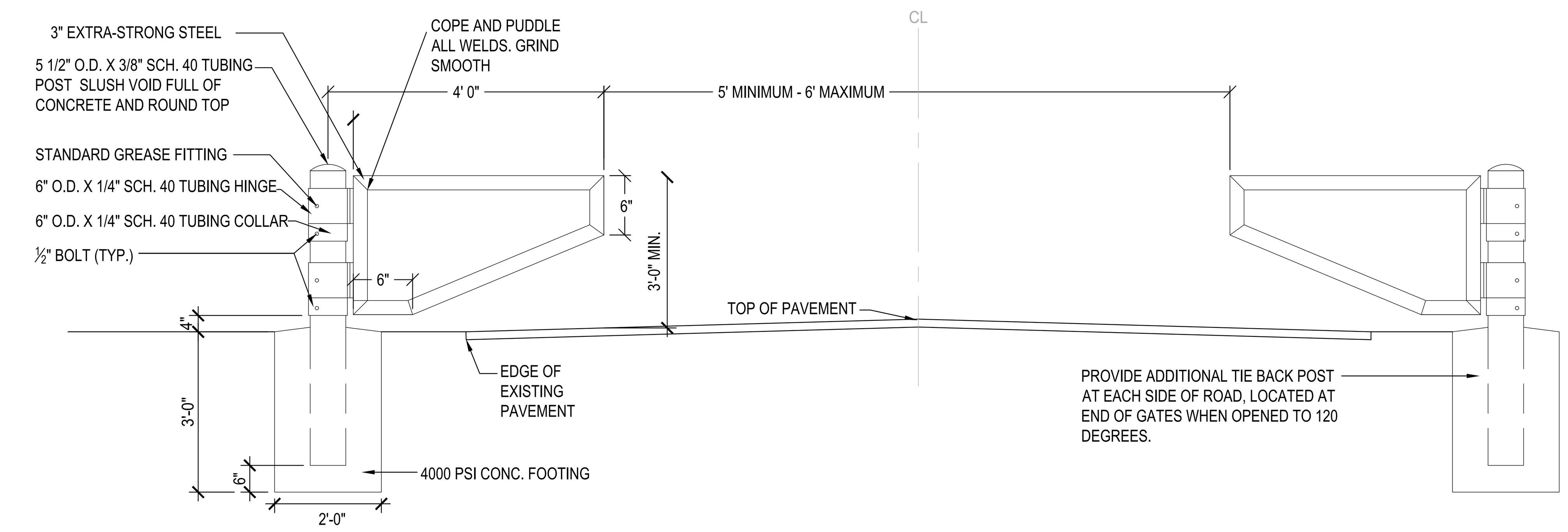
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY LC/TF | SCALE NTS |
| CHECKED BY MB | |
| SHEET NO. C4.01 | |

NOTES:
1. GATE TO RECEIVE TIE BACK POST IDENTICAL TO GATE POST. PROVIDE MECHANISM FOR PADLOCK AT BOTH POSTS. SEE PLANS FOR LOCATION.
2. ALL POSTS ARE STANDARD WEIGHT PIPE (SCH. 40). FRAMEWORK IS WELDED USING 2" O.D. STANDARD PIPE FOR EXTERIOR FRAME & 1 5/8" O.D. FOR INTERIOR BRACING. LATCH ASSEMBLY IS 3/8" X 1" PRESSED STEEL.
3. PROVIDE MECHANISM FOR RECEIVING PADLOCK IN OPEN AND CLOSED POSITION. OWNER TO PROVIDE PADLOCK. COORDINATE WITH OWNER FOR MECHANISM TYPE.
4. ALL STEEL JOINTS TO RECEIVE CONT. WELD USE NO SPOT WELDS.
5. GRIND ALL WELDS SMOOTH W/ NO BARBS.
6. METAL SURFACES TO HAVE FACTORY APPLIED PRIMER. PROVIDE (2) COATS PAINT IN FIELD. COLOR BLACK.
7. PROVIDE SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE'S APPROVAL

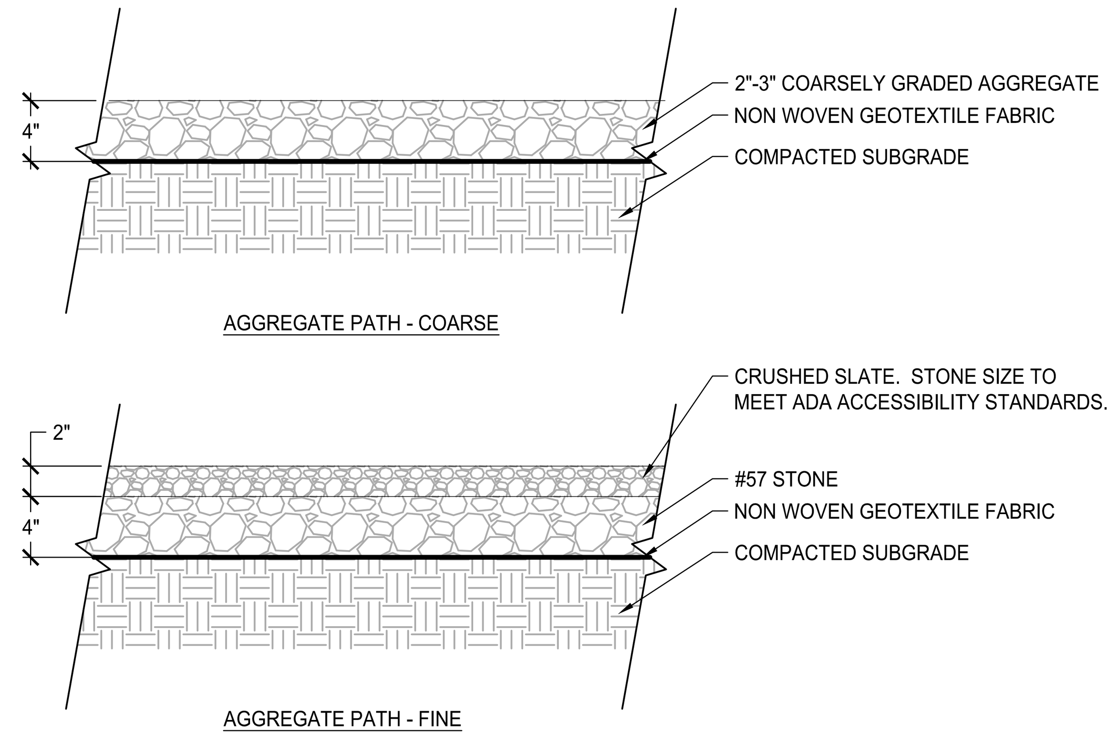



## 1 ACCESS GATE
SCALE: NTS

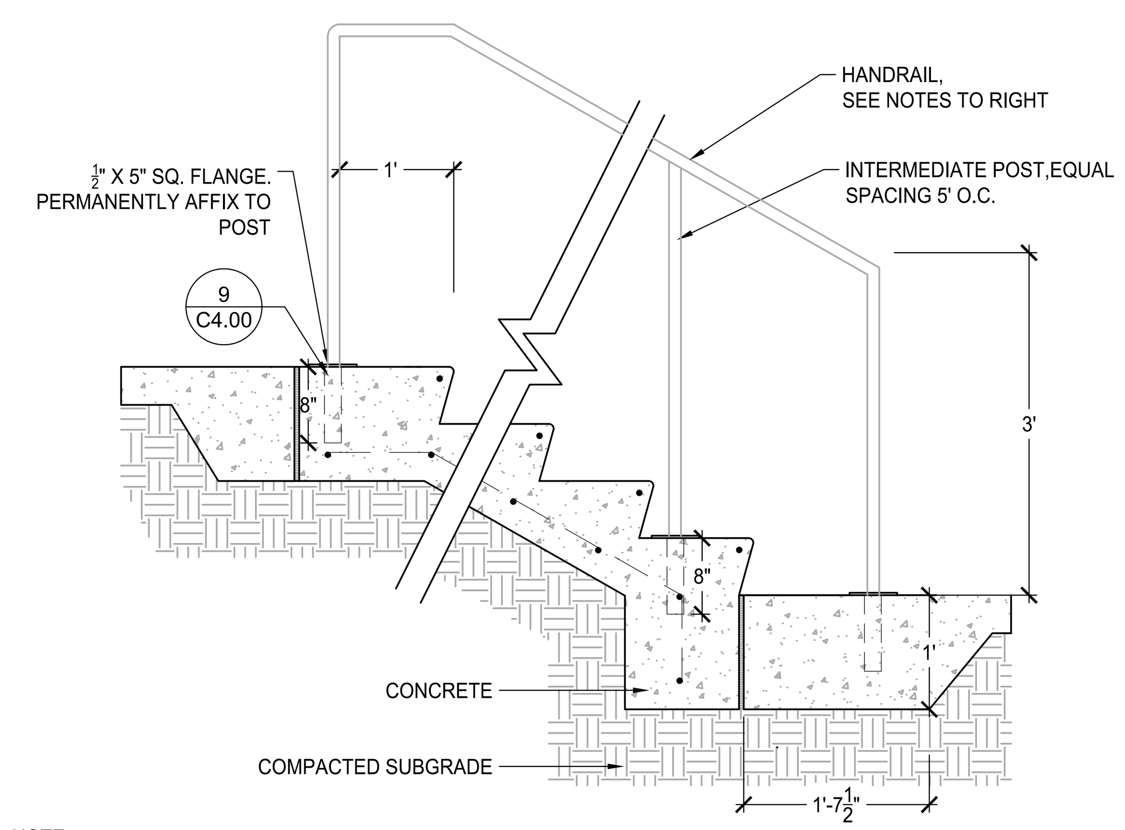
NOTES:
1. GATE TO RECEIVE TIE BACK POST IDENTICAL TO GATE POST. PROVIDE MECHANISM FOR PADLOCK AT BOTH POSTS. SEE PLANS FOR LOCATION.
2. ALL POSTS ARE STANDARD WEIGHT PIPE (SCH. 40). FRAMEWORK IS WELDED USING 2" O.D. STANDARD PIPE FOR EXTERIOR FRAME & 1 5/8" O.D. FOR INTERIOR BRACING. LATCH ASSEMBLY IS 3/8" X 1" PRESSED STEEL.
3. ALL STEEL JOINTS TO RECEIVE CONT. WELD USE NO SPOT WELDS.
4. GRIND ALL WELDS SMOOTH W/ NO BARBS.
5. METAL SURFACES TO HAVE FACTORY APPLIED PRIMER. PROVIDE (2) COATS PAINT IN FIELD. COLOR BLACK.
6. PROVIDE SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE'S APPROVAL




## 2 WIDTH LIMITER GATE
SCALE: NTS



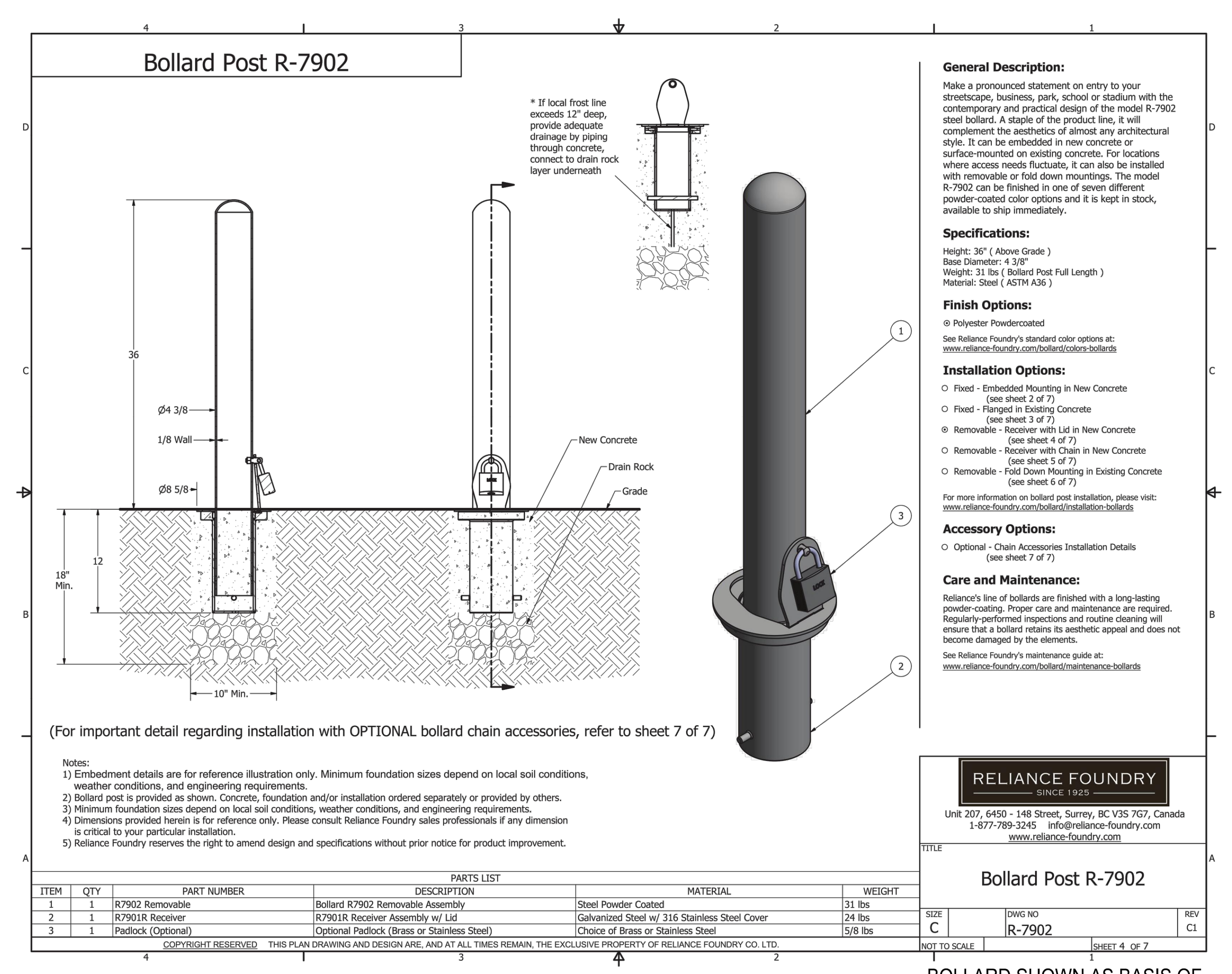

## 3 AGGREGATE
SCALE: NTS




HANDRAIL NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO CONSTRUCTION.
2. ALL HANDRAILS TO BE 1-1/2 "X 1/2" STEEL BAR. GRIND ALL WELDS SMOOTH WITH NO BARBS.
3. HANDRAILS TO HAVE FACTORY APPLIED PRIMER. PROVIDE (2) COATS PAINT IN FIELD. COLOR BLACK.

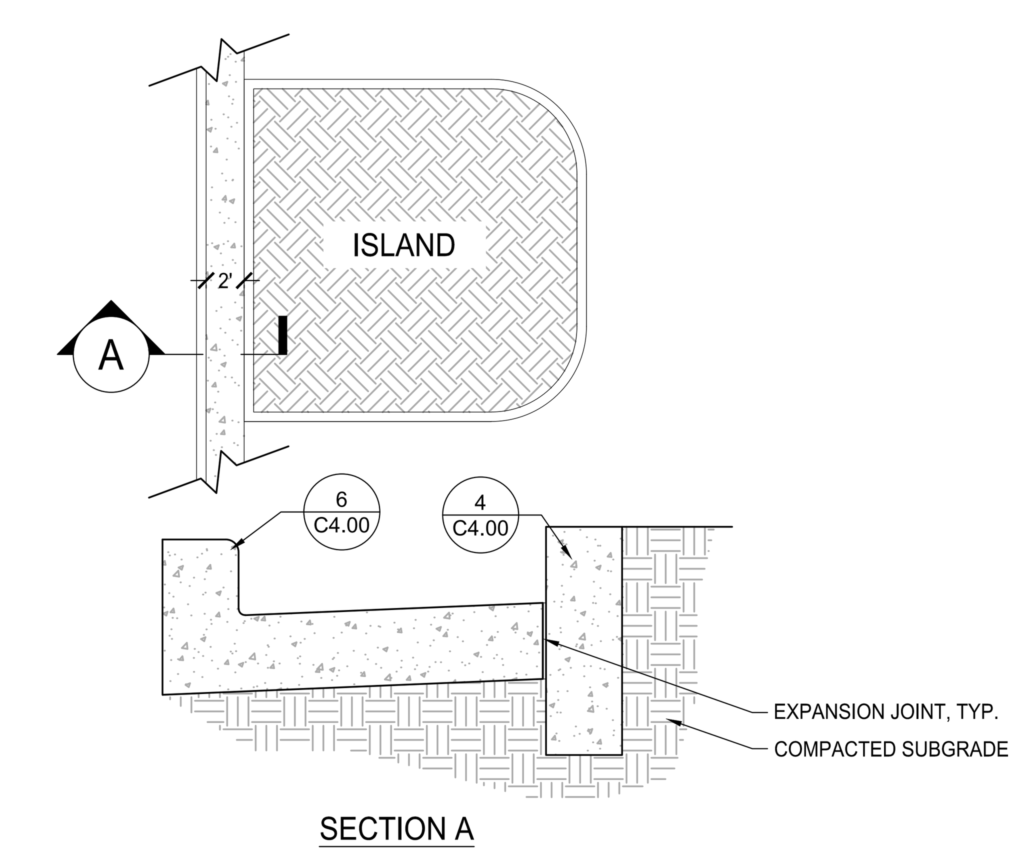
NOTE:
SUBMIT SHOP DRAWINGS FOR RAILINGS FOR APPROVAL PRIOR TO FABRICATION

## 4 HANDRAIL
SCALE: NTS




BOLLARD SHOWN AS BASIS OF DESIGN ONLY.

## 7 REMOVEABLE BOLLARD
SCALE: NTS




## 8 CURB SCUPPER
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT AARON J. ST. PIERRE LA001672 1/4/19

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS

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CONFORM SET 04-29-2019

SHEET TITLE
SITE DETAILS

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| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY LC/TF | SCALE NTS |
| CHECKED BY MB | |

SHEET NO.
C4.02

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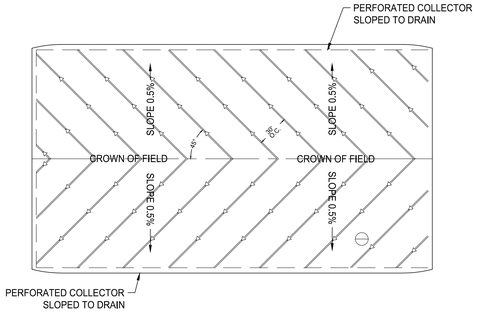
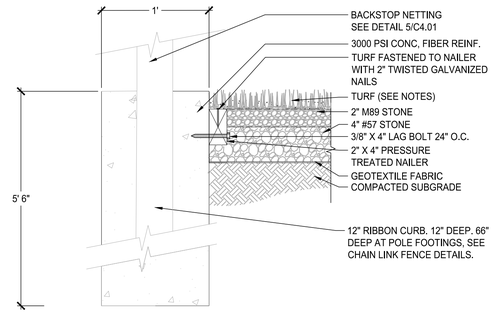
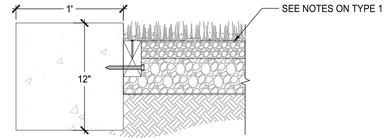


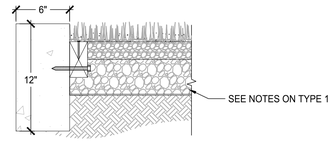

TYPICAL FIELD DRAINAGE LAYOUT



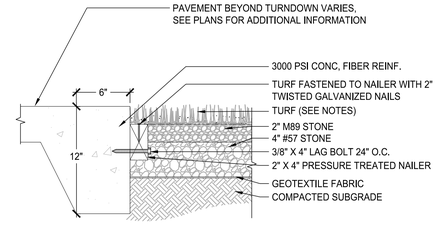

SYNTHETIC TURF APRON INSTALLATION TYPE 1



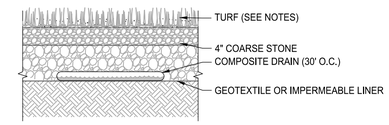

SYNTHETIC TURF APRON INSTALLATION TYPE 2



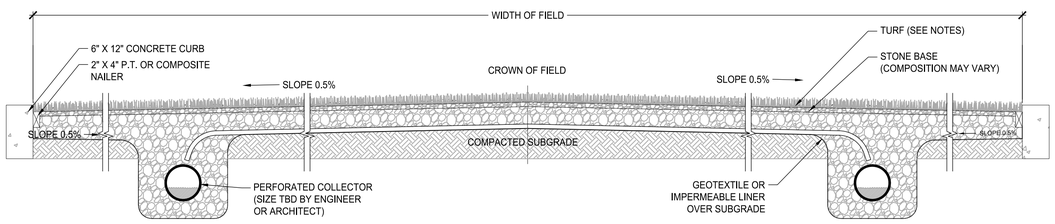

SYNTHETIC TURF APRON INSTALLATION TYPE 3



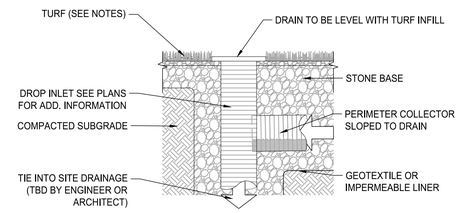

SIDEWALK INSTALLATION SECTION




FLAT DRAIN PIPE SECTION




TYPICAL FIELD DRAINAGE SECTION




DRAIN INLET SECTION

NOTE:
SUBMIT PRODUCT DATA FOR REVIEW FOR FULL ARTIFICIAL TURF SYSTEM INCLUDING, BUT NOT LIMITED TO: FIELD DRAINAGE LAYOUT AND DRAINAGE COMPONENT PRODUCT DATA; AGGREGATE FILL ANALYSIS REPORTS; GEOTEXTILE PRODUCT DATA; TURF, INFILL, COOLING SYSTEM, STRIPING LAYOUT, ETC. SUBMIT COLOR OPTIONS FROM MANUFACTURER'S STANDARD COLOR PALATE FOR SELECTION BY OWNER. INSTALL SYSTEM PER MANUFACTURER'S RECOMMENDATIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

## 1 SYNTHETIC TURF DETAILS AND NOTES

SCALE: NTS

### BLEACHERS

OUTDOOR ALUMINUM (1-800-225-4249)
MODEL#LTSA 3-15, 3 ROW BLEACHERS, 15' LONG,
ASSEMBLE & INSTALL ALL PARTS PER MANUFACTURER'S SPECIFICATIONS.
INSTALL HANDICAPPED STRIPING & LETTERING PER DETAIL 8/C4.03 AT BOTH ENDS OF BLEACHER.
MATERIAL TO BE PROVIDED AND ASSEMBLED/INSTALLED BY THE CONTRACTOR.
FRONT EDGE OF BLEACHER TO BE LOCATED FROM EDGE OF CONCRETE AT FIELD PER DETAIL 8/C4.03

### TEAM BENCH

OUTDOOR ALUMINUM (1-800-225-4249)
MOVEABLE COMFORT TEAM BENCH, ALUMINUM, 21' LONG WITH BACK, 2" SQUARE SUPPORTS, OR APPROVED EQUAL.
ASSEMBLE & INSTALL ALL PARTS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ADA COMPANION SEAT DEMARCATION AT END OF BENCH ON FRONT OF SEAT, AND HANDICAP SEATING AREA PAVEMENT MARKING PER 8/C4.03 AS SHOWN ON PLANS ADJACENT TO BENCH.
MATERIAL TO BE PROVIDED BY THE OWNER AND ASSEMBLED/INSTALLED BY THE CONTRACTOR.

### BENCH

WABASH VALLEY (800-253-8619) MODEL#SG303P -BLACK, W/ IN-GROUND MOUNTING PACKAGE. INSTALL ALL PARTS, FASTENERS, & FOOTINGS PER MANUFACTURER'S SPECIFICATIONS.

### WASTE RECEPTACLE

WABASH VALLEY (800-253-8619) MODEL#LR300P W/ MATCHING LINER-BLACK, W/ IN GROUND MOUNTING PACKAGE OR APPROVED EQUAL. INSTALL ALL PARTS, FASTENERS, & FOOTINGS PER MANUFACTURER'S SPECIFICATIONS.

### PICNIC TABLE

ADA TABLE:
ULTRA SITE BY PLAYCORE (800)-458-5972, 8' ADA ACCESSIBLE TABLE, MODEL 238H, RECYCLED PLASTIC WITH METAL FRAME. FRAME COLOR - BLACK, PLASTIC COLOR - CEDAR.

### SOCCER GOAL

SOCCER GOALS WITH 3" O.D. ROUND ALUMINUM FRAME, POWDER-COATED WHITE FINISH, 8' X 24' X 3'D X 8.5'B, PROVIDE 3MM TWISTED WHITE NETTING. ATTACHED TO FRAME AT 2' O.C. MAX. SUBMIT SHOP DRAWINGS OF PROPOSED GOALS FOR REVIEW BY OWNER'S REPRESENTATIVE, PROVIDE QTY: 2 PER FIELD

### SCOREBOARD

ELECTRO-MECH (1-800-677-4780) MODEL# LX6650, LED MULTI-SPORT SCOREBOARD OR APPROVED EQUIVALENT, PROVIDE (1) COMPATIBLE SCOREBOARD CONTROL MODULE AND CARRYING CASE FOR EACH INSTALLATION. SUBMIT MANUFACTURER'S STANDARD COLOR OPTIONS FOR SELECTION BY OWNER. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WIRING, CONDUIT, COMPONENTS, ETC. TO MAKE SCOREBOARDS FULLY OPERATIONAL. ASSEMBLE & INSTALL ALL PARTS PER MANUFACTURER'S SPECIFICATIONS.

## 2 FURNISHING MODELS (NOT IN CONTRACT)

SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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STATE OF GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

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CONFORM SET 04-29-2019

SHEET TITLE

SITE DETAILS

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| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY LC/TF | SCALE NTS |
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SHEET NO.

C4.03

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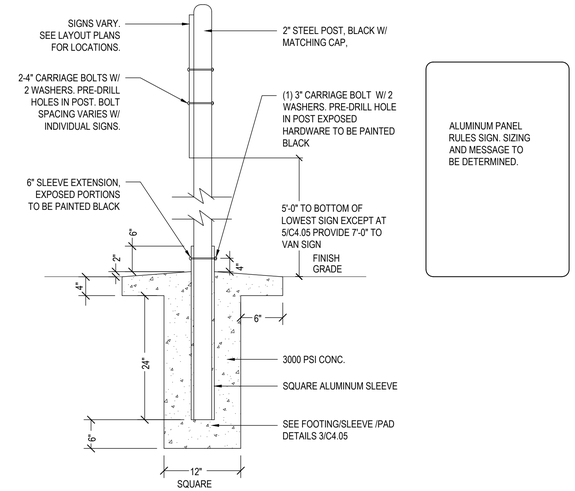
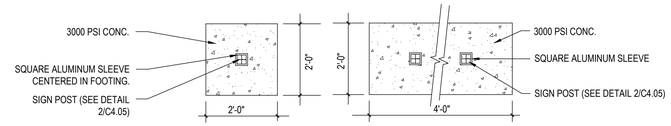
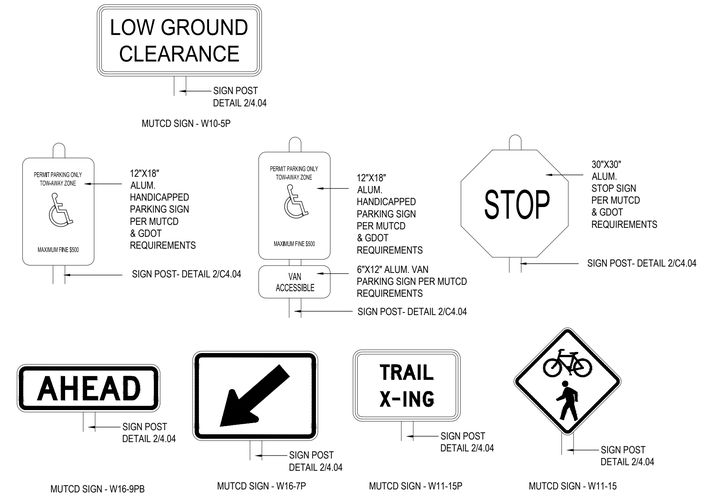



ALUMINUM PANEL RULES SIGN. SIZING AND MESSAGE TO BE DETERMINED.



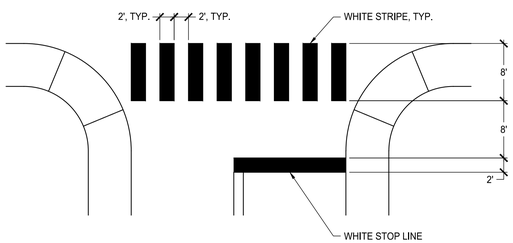




## 1 NOT USED
SCALE: NTS

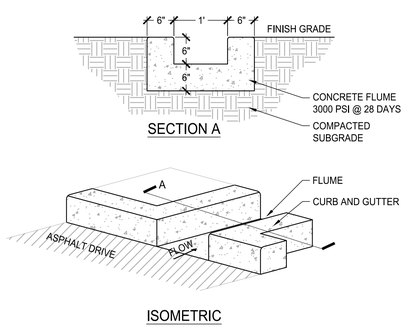
## 2 FACILITY SIGN & SIGN POST MOUNTING & APRONS
SCALE: NTS

## 3 STANDARD SIGNAGE
SCALE: NTS

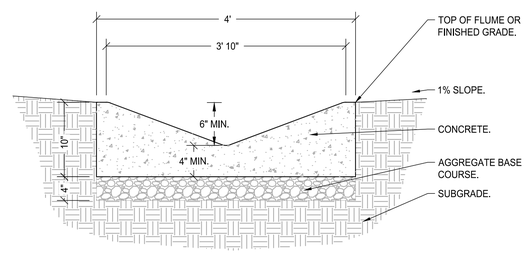
NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PER GDOT STANDARDS UNLESS OTHERWISE NOTED.
2. ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION.
3. ALIGN CROSSWALK WITH HANDICAP RAMPS.
4. WIDTH OF CROSSWALK SHALL BE 8' (MIN.) OR AS SPECIFIED ON PLANS.
5. REFER TO PLANS FOR TOTAL NUMBER OF STRIPES.
6. EXACT CORNER CONDITIONS MAY VARY.




## 4 STOP BAR & CROSSWALK LAYOUT
SCALE: NTS

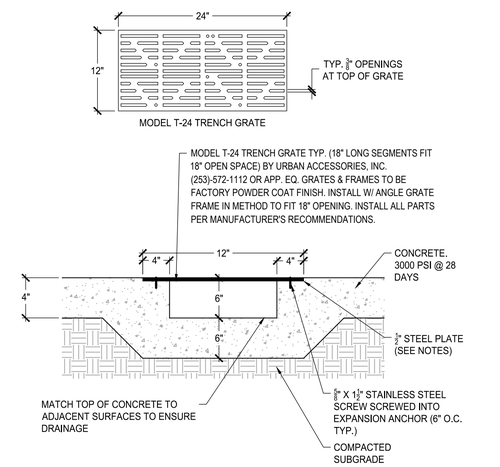



## 5 CONCRETE FLUME
SCALE: NTS




NOTES:
1. ALL CONCRETE TO COMPLY WITH ACI 318 WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAY TEST.

## 6 CONCRETE CHANNEL
SCALE: NTS




NOTES:
1. ENDS OF PLATE MAY HAVE TO BE CUT AT ANGLE TO MATCH EDGE OF SIDEWALK.

## 7 SIDEWALK DRAIN
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 AARON J. ST. PIERRE 1/4/19

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

| SUBMITTALS / REVISIONS | | |
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CONFORM SET 04-29-2019

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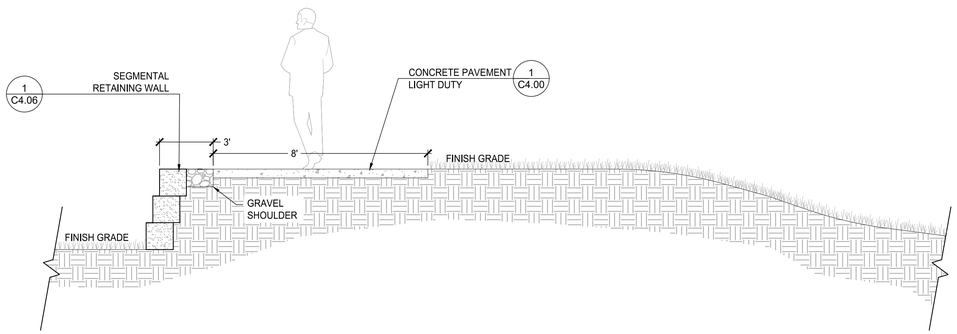
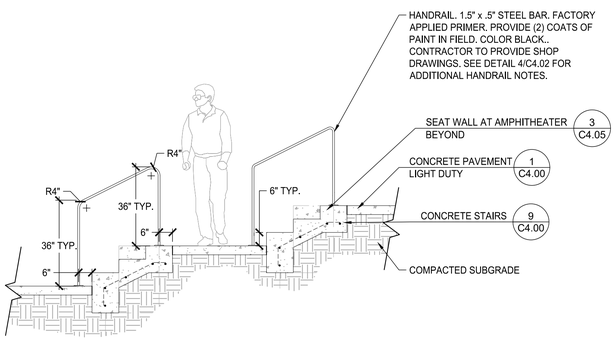
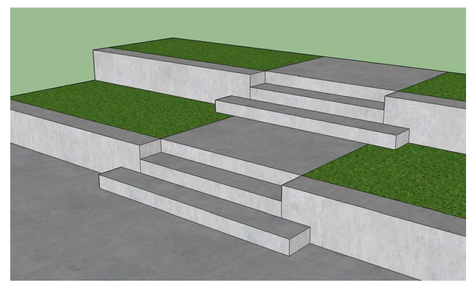



## 1 SECTION A - GREAT LAWN

SCALE: NTS

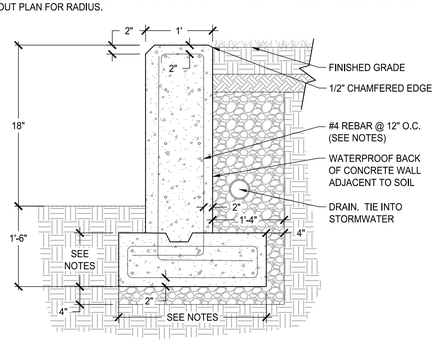


## 2 SECTION B - AMPHITHEATER SEATING

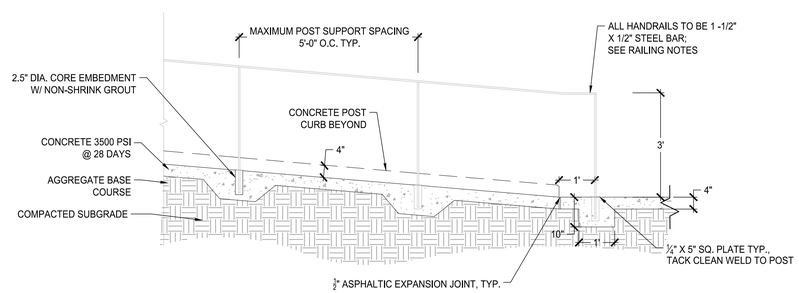
SCALE: NTS

NOTES:
1. CONTRACTOR RESPONSIBLE FOR ENSURING ADEQUATE REINFORCEMENT IS INSTALLED.
2. CONTRACTOR TO SUBMIT ENGINEER SHOP DRAWING FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
3. CONCRETE FINISH SHALL BE SMOOTH TROWELED SURFACE WITH NO BUG HOLES OR PITS.
4. WRAP 2" RELIEF AROUND SIDE /CORNER OF WALL AT EACH END.
5. WALL SHALL BE SMOOTH AND EVEN RADIUS. NO ABRUPT CHANGES OR ANGLES SHALL BE ACCEPTED.
6. SEE LAYOUT PLAN FOR RADIUS.




## 3 SEAT WALL AT AMPHITHEATER

SCALE: NTS




RAMP NOTES:
1. RAMP AND LANDINGS TO COMPLY WITH CURRENT ADA REQUIREMENTS.

RAILING NOTES:
1. CONTRACTOR TO SUPPLY HANDRAIL SHOP DRAWINGS FOR OWNER'S REPRESENTATIVE'S APPROVAL.
2. ALL RAILS TO COMPLY W/ CURRENT ADA REQUIREMENTS.
3. GRIND ALL WELDS SMOOTH W/ NO BARBS.
4. INTERMEDIATE SUPPORT POSTS SHALL BE 5' O.C. MAX., SPACE FOR UNIFORM APPEARANCE.
5. ALL HANDRAILS TO BE FIELD MEASURED PRIOR TO FABRICATION.
6. ALL GROUT MUST BE LEVEL WITH SURROUNDING CONCRETE.
7. HANDRAIL SLEEVE TO BE CORE DRILLED.
8. PRIME ALL STEEL WITH 2 COATS OF PRIMER.
9. PAINT ALL SURFACES WITH 2 COATS OF OUTDOOR METAL PAINT.

## 4 RAMP SECTION

SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LA001872 1/4/19 LANDSCAPE ARCHITECT AARON J. ST. PIERRE

GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

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CONFORM SET 04-29-2019

SHEET TITLE

SITE DETAILS

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| DRAWN BY LC/TF | SCALE NTS |
| CHECKED BY MB | |

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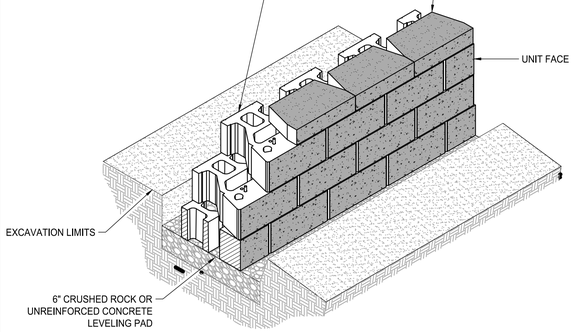
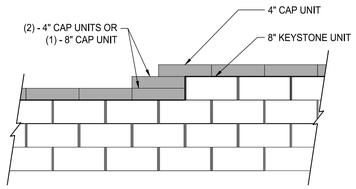
BASE LEVELING PAD NOTES:
1. THE LEVELING PAD IS TO BE CONSTRUCTED OF CRUSHED STONE OR 2,000 PSI +/- UNREINFORCED CONCRETE.
2. THE BASE FOUNDATION IS TO BE APPROVED BY THE SITE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF THE LEVELING PAD.

| STANDARD UNIT | |
|---|---|
| WIDTH: | 18" |
| *DEPTH: | 18" |
| HEIGHT: | 8" |
| *WEIGHT: | 108 LBS |

| CAP UNIT | |
|---|---|
| WIDTH: | 18" |
| *DEPTH: | 10 1/2" |
| HEIGHT: | 4" |
| *WEIGHT: | 50 LBS |

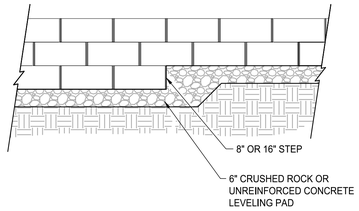



STANDARD UNIT/BASE PAD ISOMETRIC SECTION VIEW
*Dimension & Weight May Vary by Region



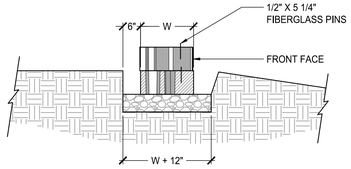

NOTE:
1. SECURE ALL CAP UNITS WITH KEYSTONE KAPSEAL OR EQUAL.

TOP OF WALL STEPS



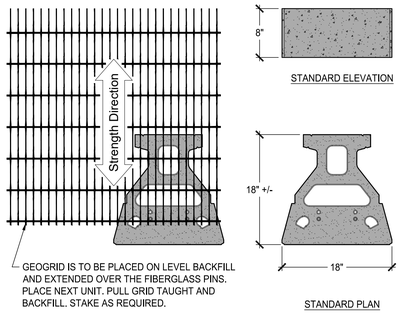

ELEVATION

NOTE:
1. THE LEVELING PAD IS TO BE CONSTRUCTED OF CRUSHED STONE OR 2000 PSI +/- UNREINFORCED CONCRETE.




SECTION

LEVELING PAD DETAIL



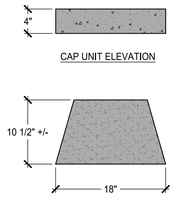

GRID & PIN CONNECTION




STANDARD ELEVATION

STANDARD PLAN

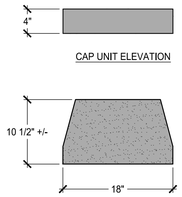
STANDARD UNIT
*Dimension May Vary by Region




CAP UNIT ELEVATION

CAP UNIT PLAN

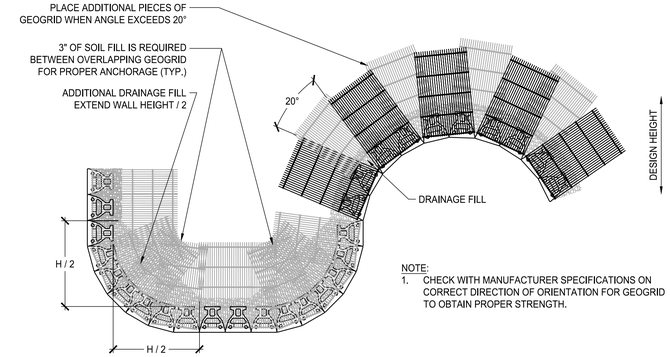
UNIVERSAL CAP UNIT OPTION
*Dimension & Availability Will Vary by Region




CAP UNIT ELEVATION

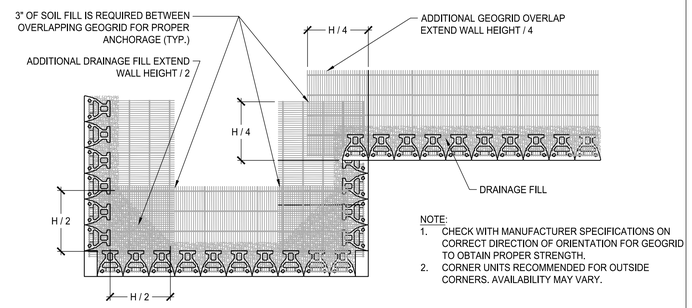
CAP UNIT PLAN

STRAIGHT SPLIT CAP UNIT OPTION
*Dimension & Availability Will Vary by Region



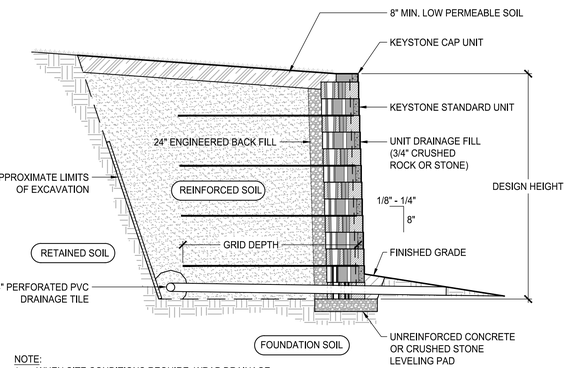

NOTE:
1. CHECK WITH MANUFACTURER SPECIFICATIONS ON CORRECT DIRECTION OF ORIENTATION FOR GEOGRID TO OBTAIN PROPER STRENGTH.

GEOGRID INSTALLATION ON CURVES



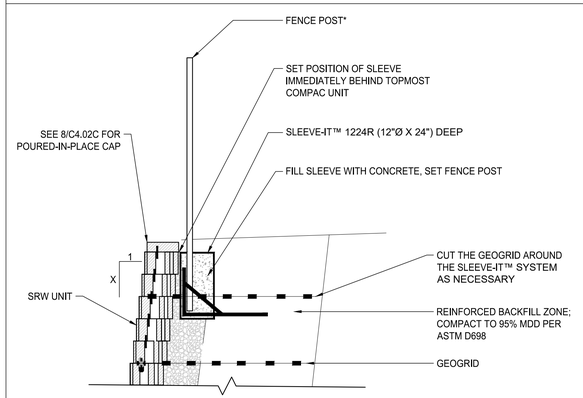

NOTE:
1. CHECK WITH MANUFACTURER SPECIFICATIONS ON CORRECT DIRECTION OF ORIENTATION FOR GEOGRID TO OBTAIN PROPER STRENGTH.
2. CORNER UNITS RECOMMENDED FOR OUTSIDE CORNERS. AVAILABILITY MAY VARY.

GEOGRID INSTALLATION AT CORNERS

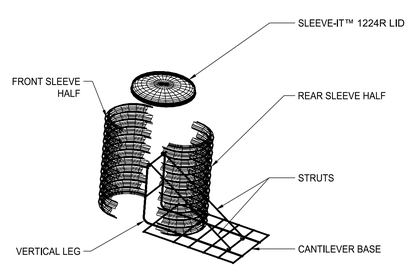



NOTE:
1. WHEN SITE CONDITIONS REQUIRE, WRAP DRAINAGE TILE IN 3/4" AGGREGATE AND FILTER FABRIC WITH DRAINAGE COMPOSITE OR AGGREGATE BACK DRAIN SYSTEM, AS DIRECTED BY GEOTECHNICAL ENGINEER.

TYPICAL REINFORCED WALL SECTION
STANDARD UNIT - NEAR VERTICAL SETBACK




WALL SECTION




SLEEVE-IT 1224R SYSTEM

FENCE POST INSTALLATION AT WALL

NOTES:
1. SEGMENTAL RETAINING WALL SHOWN FOR REFERENCE PURPOSES ONLY AND TO BE A CONTRACTOR-DELEGATED DESIGN ITEM. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR SPECIFIC RECOMMENDATIONS AND WALL REQUIREMENTS. REFER TO NOTE 2 FOR SUBMITTAL REQUIREMENTS.
2. SHOP DRAWINGS OF ALL COMPONENTS, SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA, ARE TO BE SUBMITTED FOR REVIEW PRIOR TO FINAL AUTHORIZATION. THIS SUBMITTAL SHALL BE PROVIDED PRIOR TO ORDERING, FABRICATION, CONSTRUCTION, ETC.
3. IN SOME LOCATIONS, FENCING IS TO BE INSTALLED AT TOP OF WALLS. THE CONTRACTOR IS TO CONSIDER THE NECESSARY COMPONENTS TO ALLOW THIS TO OCCUR IN HIS/HER BID AND IN THE DESIGN OF THE FENCE / WALL SYSTEM AND IS TO SUBMIT DETAILS FOR REVIEW PRIOR TO CONSTRUCTION.
4. BLOCKS TO BE INTEGRALLY COLORED WITH MANUFACTURER'S COLORING SYSTEM.
5. COLOR AND STYLE TO MATCH WALL AT ADJACENT BASEBALL COMPLEX.

1 SEGMENTAL WALL
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | CONFORM SET 04-29-2019 |

SHEET TITLE
SITE DETAILS

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| PROJECT NO. 17302 | DATE 01-04-2019 |
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| CHECKED BY MB | |
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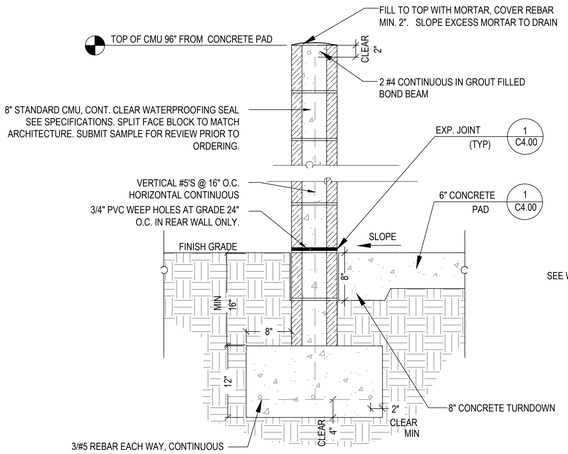
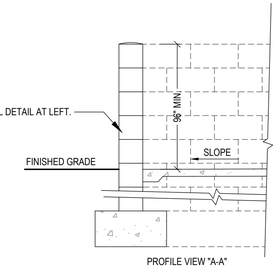
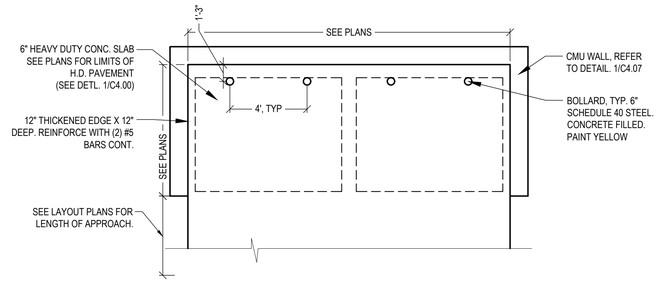



PROFILE VIEW "A-A"

## 1 DUMPSTER SCREEN WALL

SCALE: NOT TO SCALE



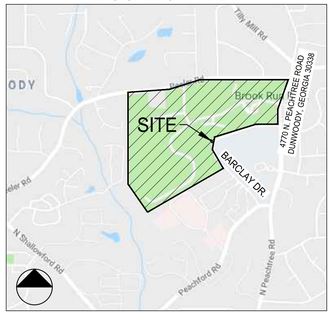

NOTE: SEE PLANS FOR LOCATIONS. DUMPSTER TO BE PROVIDED BY OWNER

SLOPE TO DRAIN AS INDICATED ON GRADING PLANS.

## 2 DUMPSTER PAD LAYOUT

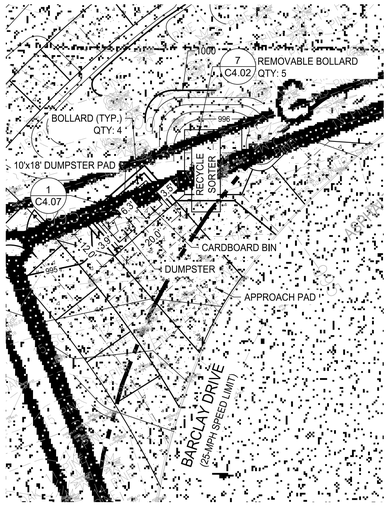
SCALE: NOT TO SCALE

LOCATION MAP




DUMPSTER LOCATION

SEE C1.04 FOR DUMPSTER AREA #1 LOCATION.

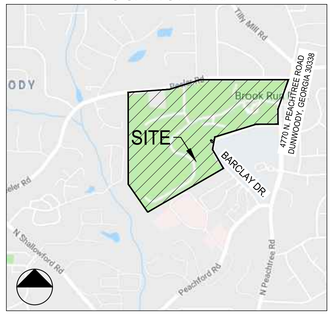



SCALE: 1" = 20 '

## 3 DUMPSTER AREA #1

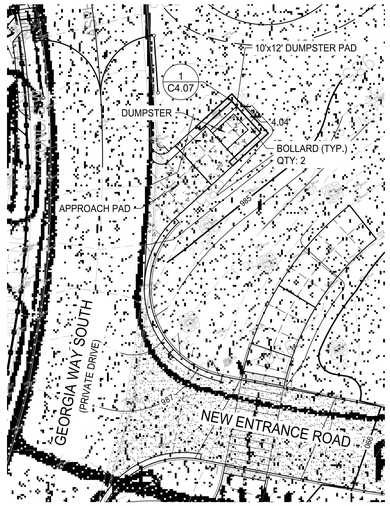
SCALE: 1" = 20'

LOCATION MAP




DUMPSTER LOCATION

SEE C1.08 FOR DUMPSTER AREA #2 LOCATION.




SCALE: 1" = 20 '

## 4 DUMPSTER AREA #2

SCALE: 1" = 20'

DeKALB COUNTY SANITATION DUMPSTER REQUIREMENTS

DUMPSTER PAD:
1. MINIMUM SIZE: 8' x 8'
2. CONSTRUCTED OF CONCRETE WITH A MINIMUM THICKNESS OF 6" AND A MINIMUM COMPRESSIVE STRENGTH OF 3,500-PSI
3. CONCRETE PAD TO BE REINFORCED WITH #5 REBAR SPACED 12" ON CENTER BOTH DIRECTIONS
4. CONCRETE PAD TO BE CONSTRUCTED ON A MINIMUM OF 4" OF COMPACTED STONE (GAB)
5. TWO 6" DIAMETER CONCRETE-FILLED STEEL BOLLARDS, MINIMUM 3' TALL
6. BOLLARDS TO BE SPACED 4' APART AND CENTERED AT BACK OF PAD
7. BOLLARDS TO BE EMBEDDED IN AN 18" DIAMETER CONCRETE FOOTER TO A MINIMUM DEPTH OF 3'

DUMPSTER ENCLOSURE:
1. TO HAVE MINIMUM INSIDE DIMENSIONS OF 12' WIDTH BY 9' DEPTH
2. THE OPENING MUST HAVE A MINIMUM WIDTH OF 12' WITH UNOBSTRUCTED CLEARANCE (NO HINGED DOORS, BOLLARDS, ETC. WITHIN THIS 12' WIDTH)
3. DOORS MUST HAVE A SYSTEM TO HOLD THEM OPEN WHILE DUMPSTER IS SERVICED
4. FLOOR OF ENCLOSURE TO BE CONSTRUCTED OF CONCRETE WITH A MINIMUM THICKNESS OF 6" AND A COMPRESSIVE STRENGTH OF 3,500-PSI
5. CONCRETE FLOOR TO BE REINFORCED WITH #5 REBAR SPACED 12" ON CENTER IN BOTH DIRECTIONS
6. CONCRETE FLOOR TO BE CONSTRUCTED ON A MINIMUM OF 4" OF COMPACTED STONE
7. TWO 6" DIAMETER CONCRETE-FILLED STEEL BOLLARDS, MINIMUM 3' TALL
8. TWO BOLLARDS TO BE SPACED 4' APART AND CENTERED IN FRONT OF THE BACK WALL OF THE ENCLOSURE
9. BOLLARDS TO BE EMBEDDED IN AN 18" DIAMETER CONCRETE FOOTER TO A MINIMUM DEPTH OF 3'
10. ENCLOSURES FOR TWO DUMPSTERS UTILIZING ONLY A SINGLE ENTRANCE OPENING MUST HAVE A MINIMUM WIDTH OF 20' WITH UNOBSTRUCTED CLEARANCE (NO HINGED DOORS, BOLLARDS, ETC. WITHIN THIS 20' WIDTH)
11. ENCLOSURES FOR TWO DUMPSTERS UTILIZING TWO ENTRANCE OPENINGS MUST HAVE A MINIMUM OF 12' WITH UNOBSTRUCTED CLEARANCE FOR EACH ENTRANCE (NO HINGED DOORS, BOLLARDS, ETC. WITHIN THIS 12' SPACE)

CONCRETE APPROACH PAD:
1. CONSTRUCTED OF CONCRETE WITH A MINIMUM THICKNESS OF 8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3,500-PSI
2. CONCRETE APPROACH PAD TO BE REINFORCED WITH #5 REBAR SPACED 12" ON CENTER IN BOTH DIRECTIONS
3. CONCRETE APPROACH PAD TO BE CONSTRUCTED ON A MINIMUM OF 4" OF COMPACTED STONE (GAB)

DETAIL LIST:

DUMPSTER PAD LAYOUT - 2 / C4.07

DUMPSTER ENCLOSURE WALL - 1 / C4.07

APPROACH PAD (HEAVY-DUTY CONCRETE PAVEMENT - 1 / C4.00

BOLLARDS AT DUMPSTER (SEE DUMPSTER PAD LAYOUT DETAIL)

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE041517 PROFESSIONAL 01/04/19 ENGINEER PEYTON IRL LINGLE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

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SHEET TITLE

SITE DETAILS

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| SHEET NO. C4.07 | |

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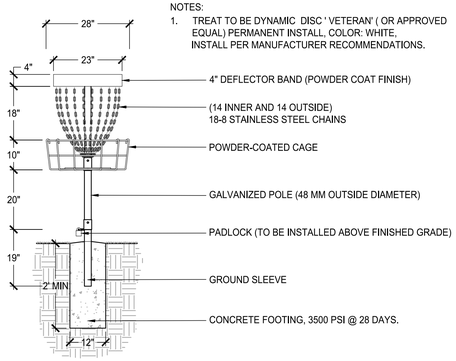
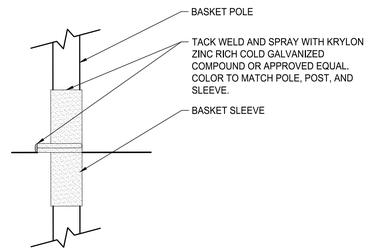
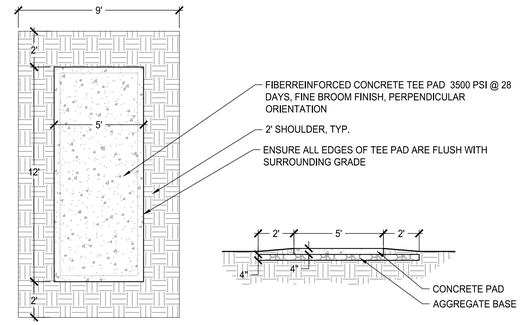
NOTES:
1. TREAT TO BE DYNAMIC DISC ' VETERAN' ( OR APPROVED EQUAL) PERMANENT INSTALL, COLOR: WHITE, INSTALL PER MANUFACTURER RECOMMENDATIONS.




## 1 DISC GOLF BASKET
SCALE: NTS

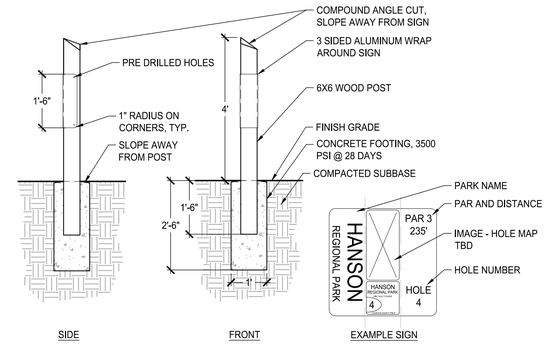



## 2 BASKET PERMANENT MOUNT
SCALE: NTS




## 3 CONCRETE TEE PAD
SCALE: NTS

NOTES:
1. ALL LUMBER TO BE PRESSURE TREATED AND SEALED WITH CLEAR DECK SEALANT.
2. ALL TEE SIGNS SHALL BE MOUNTED TO POSTS WITH FLAT HEAD STAINLESS SCREWS AND CONSTRUCTION ADHESIVE.
3. SIGN EXAMPLE PROVIDED FOR GRAPHIC INTENT ONLY. SIGN MAPS AND INFORMATION TO BE PROVIDED AT LATER DATE.




## 4 TEE SIGN
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 AARON J. ST. PIERRE 1/4/19

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS

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CONFORM SET 04-29-2019

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| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY MB | |

SHEET NO.
C4.08

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## PROJECT DESCRIPTION:

SANITARY SEWER SERVICE LATERALS TO BE INSTALLED TO SERVICE THE FOLLOWING BUILDINGS:

- PICNIC RESTROOM BUILDING (PARKING AREA)
- PAVILION WITH RESTROOM (GREAT LAWN)
- CONCESSION WITH RESTROOM (MULTI-PURPOSE FIELDS)

ALL PROPOSED SANITARY SEWER IS PRIVATE AND WILL TIE INTO EXISTING SANITARY SEWER MAINS WITHIN THE PROPERTY.

## SANITARY SEWER NOTES:

1. ALL DESIGN AND CONSTRUCTION FOR WATER, SEWER, LIFT STATIONS, AND BACKFLOW PREVENTION SHALL COMPLY WITH DeKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DESIGN STANDARDS LATEST EDITION. ACTUAL FIELD CONDITIONS MAY DICTATE MORE STRINGENT REQUIREMENTS IF DEEMED NECESSARY BY THE CONSTRUCTION INSPECTOR.
2. DEVELOPER SHALL PROVIDE SANITARY SEWER AS-BUILT DRAWINGS.
3. CONSTRUCTION PERMIT AND A MANDATORY PRE-CONSTRUCTION CONFERENCE WITH DeKALB COUNTY INSPECTOR ,BY APPOINTMENT ONLY, ARE REQUIRED PRIOR TO ANY SEWER WORK.
4. COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 96% OF THE THEORETICAL MAXIMUM DENSITY. BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT ELEVATIONS OF WASTEWATER PIPE FOR CONNECTION TO EXISTING WASTEWATER SYSTEMS.
6. FOR ALL CONSTRUCTION ALONG AND/OR ACROSS WATERWAYS, BANK STABILIZATION AND PROTECTION SHALL BE REQUIRED AS PER EROSION CONTROL REQUIREMENTS AND THE LAWS OF THE CITY OF WINDER.
7. ALL PROPOSED SANITARY SEWER PIPING IS TO BE INSTALLED AT A MINIMUM SLOPE OF 1.0% UNLESS OTHERWISE STATED (SEE SANITARY SEWER PROFILES FOR ADDITIONAL INFORMATION).
8. SEWERS SHOULD BE LAID AT LEAST 10' HORIZONTALLY AND 18" VERTICALLY FROM ANY EXISTING OR PROPOSED WATER MAIN WITH THE WATER MAIN ABOVE THE SEWER PIPE. SEWERS CROSSING WATER MAINS SHALL BE ARRANGED SO THAT THE SEWER THE SEWER JOINTS WILL BE EQUAL DISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS. WHERE A WATER MAIN CROSSES UNDER A SEWER, EITHER THE WATER MAIN OR THE SEWER SHOULD BE DUCTILE IRON OR SHALL BE ENCASED IN DUCTILE IRON OR CONCRETE FOR A MINIMUM OF ONE FULL JOINT LENGTH ON EACH SIDE OF THE CROSSING.
9. FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVED BY THE DeKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT BEFORE CHANGES ARE IMPLEMENTED.
10. CONTRACTOR SHALL NOTIFY DeKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR 72 HOURS PRIOR TO START OF CONSTRUCTION.
11. ALL PVC TO BE SDR35 AND ALL DIP TO BE CLASS 350, UNLESS OTHERWISE NOTED.

### UTILITIES LEGEND:

| | |
|---|---|
| — W — | PROPOSED WATERLINE |
| — W — | EXISTING WATERLINE |
| | EXISTING SEWER LINE |
| | PROPOSED SEWER ROUTING |
| | PROPOSED STORM LINE |
| — UGE — | EXISTING UNDERGROUND ELECTRIC |

UTILITIES SHEET LEGEND:


C5.00- OVERALL SITE SEWER LAYOUT
C5.01- SANITARY SEWER PLAN & PROFILE
C5.02- SANITARY SEWER PLAN & PROFILE
C5.03- SANITARY SEWER PLAN & PROFILE
C5.04- EXISTING SANITARY SEWER PLAN & PROFILE
C5.05- SANITARY SEWER DETAILS
C5.06- SANITARY SEWER DETAILS


## DeKALB COUNTY SANITARY SEWER NOTE:

SANITARY SEWER MANHOLES ARE IDENTIFIED PER DeKALB COUNTY. THE SURVEYOR, McKIM & CREED, IDENTIFIED THE MANHOLES WITH A DIFFERENT NUMBERING SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BETWEEN THE TWO METHODS OF IDENTIFICATION. THE CONTRACTOR WILL PROVIDE AS-BULIT INFORMATION TO DeKALB COUNTY FOR THEIR RECORDS.

## CONTRACTOR SANITARY SEWER NOTE:

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## SANITARY SEWER EASEMENT NOTES:

1. NO RECORDS WERE FOUND FOR EXISTING SANITARY SEWER EASEMENTS FOR THIS PROPERTY.
2. DeKALB COUNTY WILL DEDICATE THE SANITARY SEWER EASEMENTS.
3. SANITARY SEWER EASEMENTS WILL BE DEDICATED AFTER THE PROPOSED CONSTRUCTION IS COMPLETE.

811 Know what's **below.** **Call** before you dig.

0 100 200 300

SCALE: 1" = 100 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED No. PE041517 PROFESSIONAL ENGINEER PEYTON IRL LINGLE 01/04/19

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| D1 | 02-04-2019 | COMMENTS PER DEKALB COUNTY |
| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |
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CONFORM SET 04-29-2019

SHEET TITLE

SANITARY SEWER PLAN SHEETS KEY

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=100' |
| CHECKED BY PL | |

SHEET NO.

C5.00

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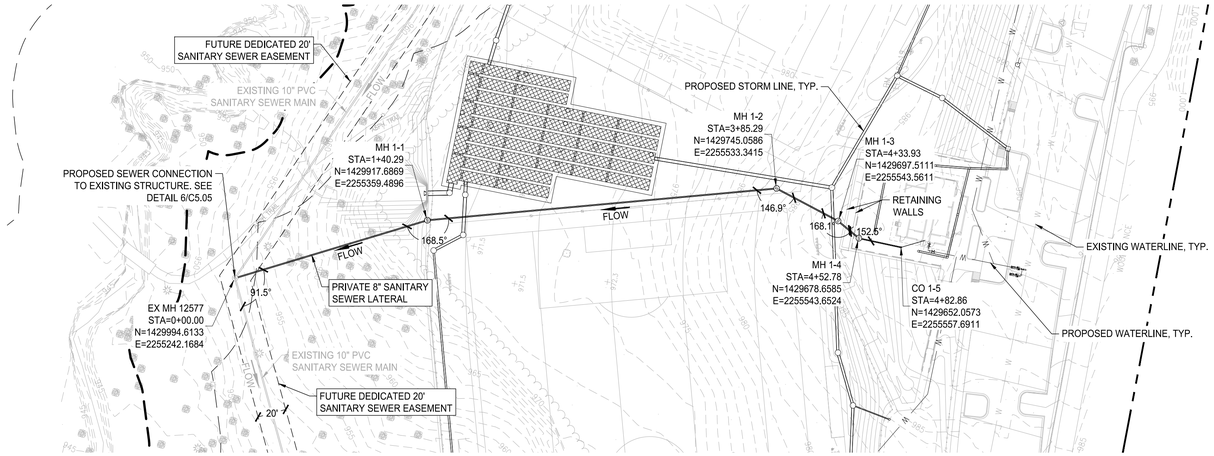


EXISTING SEWER NOTE:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY STRUCTURES AND PIPES.
2. CONTRACTOR TO EXTEND EXISTING MANHOLE TO MATCH PROPOSED GRADE, AS NEEDED.
3. PROPOSED SANITARY SEWER LATERALS TIE INTO EXISTING SANITARY SEWER MANHOLES. ALL SANITARY SEWER LATERALS ARE PRIVATE.

## DeKALB COUNTY SANITARY SEWER NOTE:

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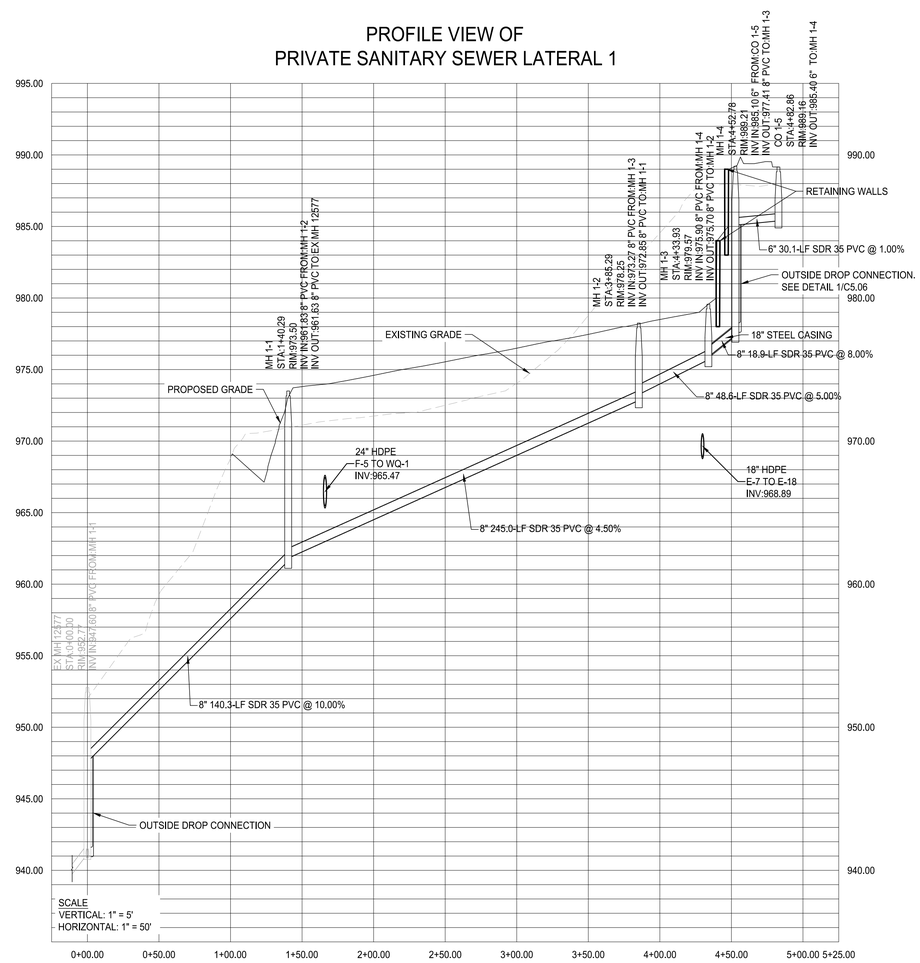
## UTILITIES LEGEND:

- W — PROPOSED WATERLINE
- W — EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED SEWER ROUTING
- PROPOSED STORM LINE
- UGE — EXISTING UNDERGROUND ELECTRIC

0 50 100 150

SCALE: 1" = 50 '

## PROFILE VIEW OF PRIVATE SANITARY SEWER LATERAL 1

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No. PE011517
01/04/19
PEYTON IRL LINGLE

GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

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| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |

CONFORM SET 04-29-2019

SHEET TITLE

SANITARY SEWER PLAN AND PROFILE

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=50' |
| CHECKED BY PL | |

SHEET NO.

C5.01

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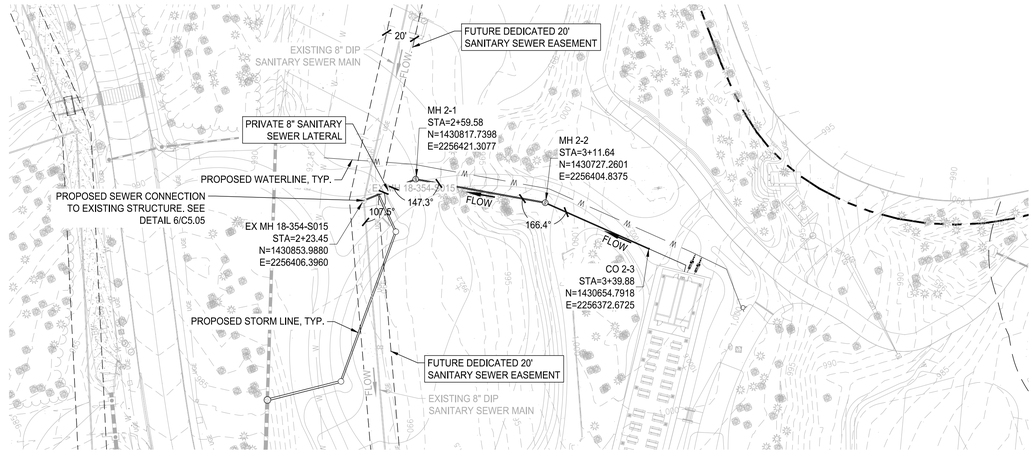


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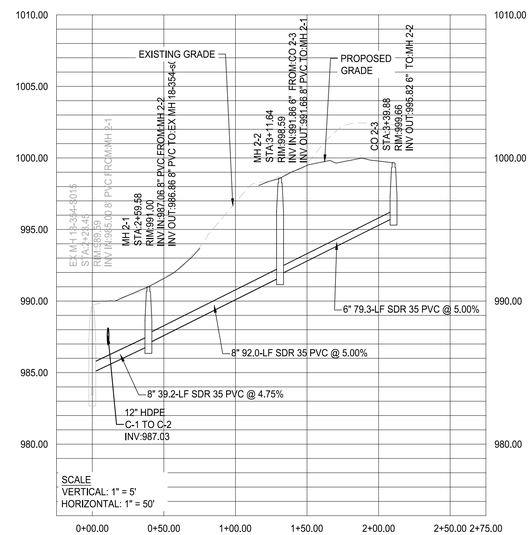
- UGE — EXISTING UNDERGROUND ELECTRIC

0 50 100 150

SCALE: 1" = 50 '

## PROFILE VIEW OF PRIVATE SANITARY SEWER LATERAL 2

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GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| D1 | 02-04-2019 | COMMENTS PER DEKALB COUNTY |
| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |
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CONFORM SET 04-29-2019

SHEET TITLE

SANITARY SEWER PLAN AND PROFILE

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| PROJECT NO. 17302 | DATE 01-04-2019 |
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| CHECKED BY PL | |
| SHEET NO. C5.02 | |

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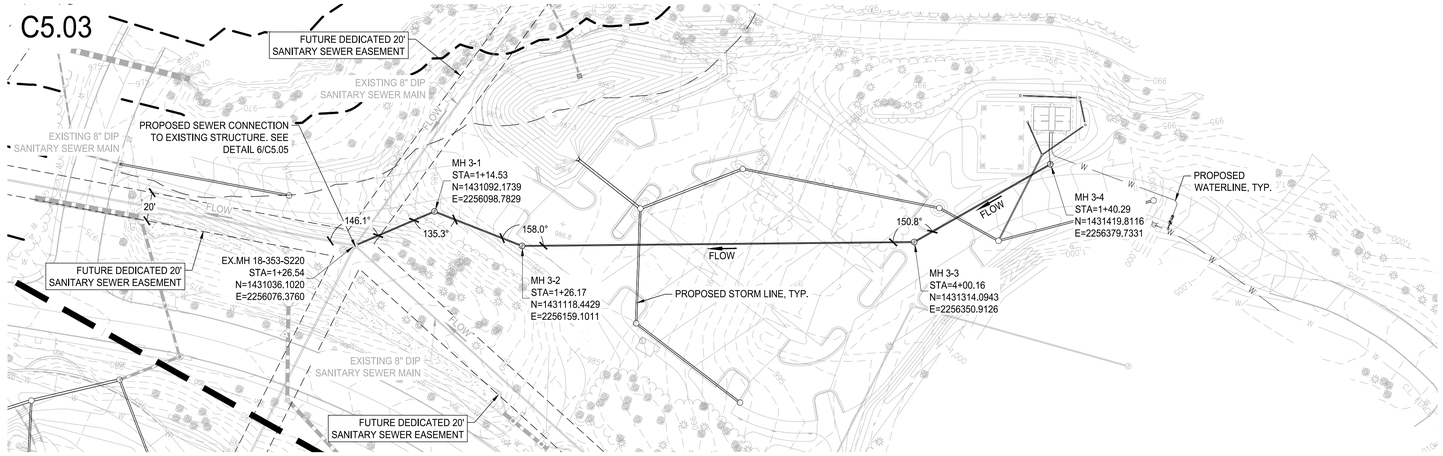


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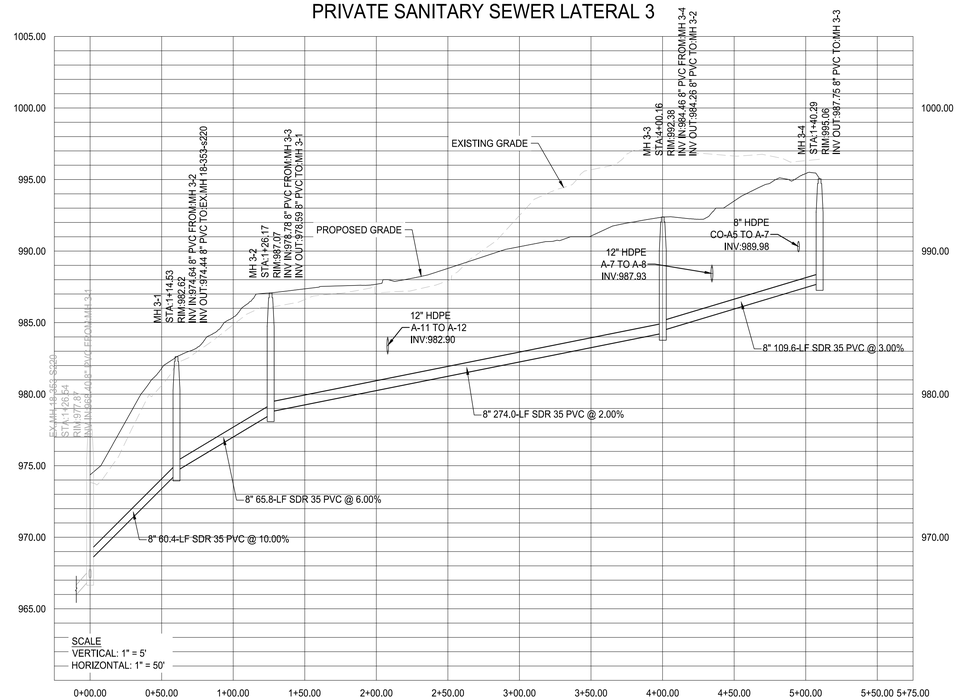
0 50 100 150

SCALE: 1" = 50 '

## PROFILE VIEW OF PRIVATE SANITARY SEWER LATERAL 3

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GEORGIA

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

| SUBMITTALS / REVISIONS | | |
|---|---|---|
| NO. | DATE | DESCRIPTION |
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| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |
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CONFORM SET 04-29-2019

SHEET TITLE

SANITARY SEWER PLAN AND PROFILE

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=50' |
| CHECKED BY PL | |
| SHEET NO. C5.03 | |

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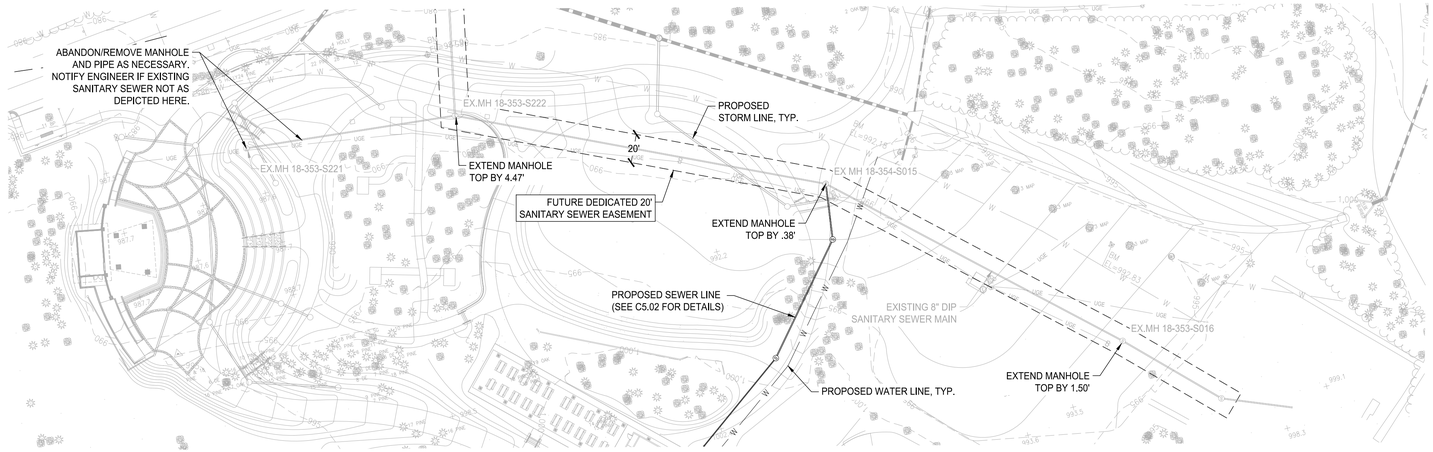


## UTILITIES LEGEND:

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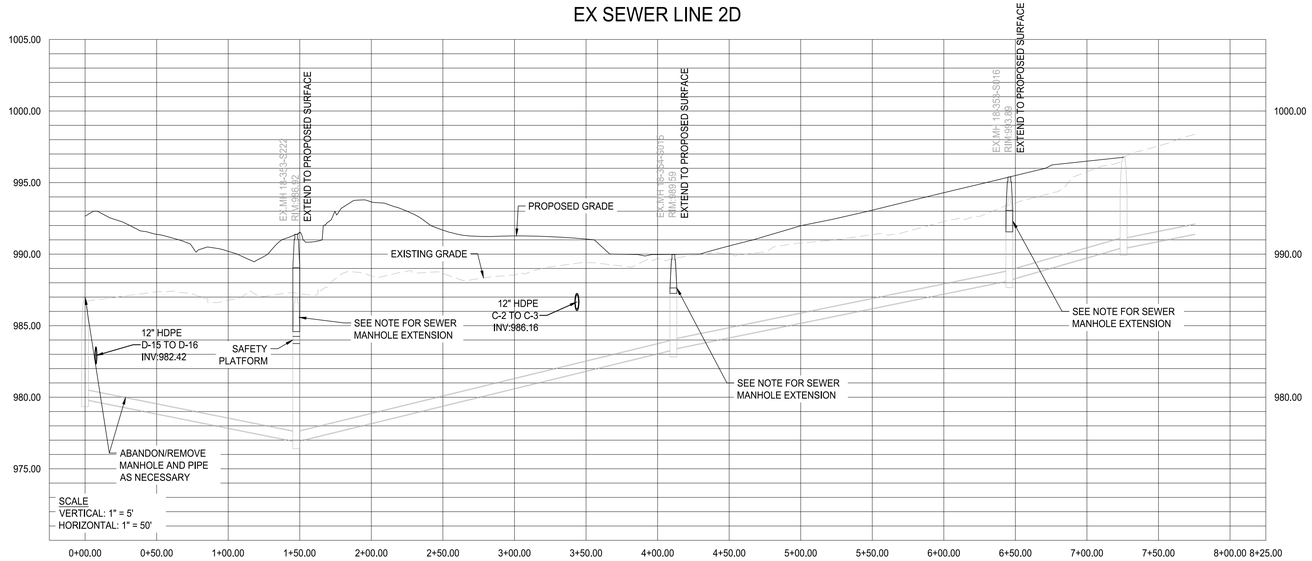
- EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED SEWER ROUTING
- PROPOSED STORM LINE
- EXISTING UNDERGROUND ELECTRIC

0 50 100 150

SCALE: 1" = 50 '

## PROFILE VIEW OF EX SEWER LINE 2D

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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |

CONFORM SET 04-29-2019

SHEET TITLE

SANITARY SEWER PLAN AND PROFILE

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=50' |
| CHECKED BY PL | |
| SHEET NO. C5.04 | |

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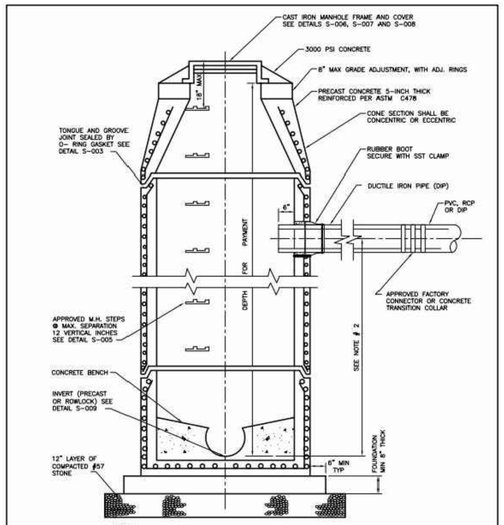
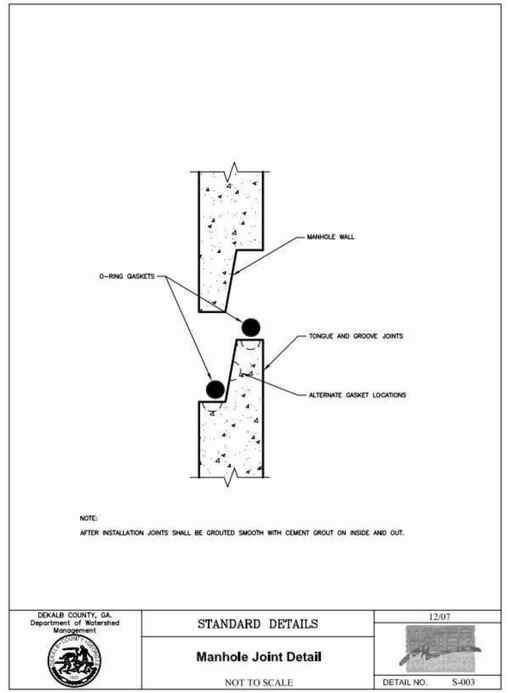
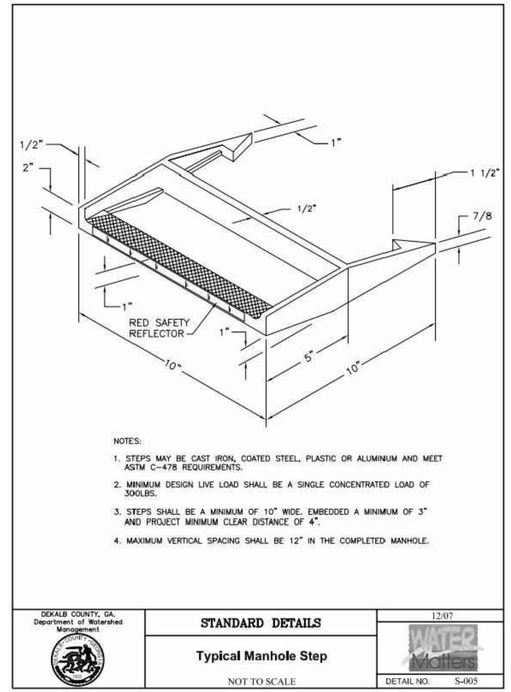


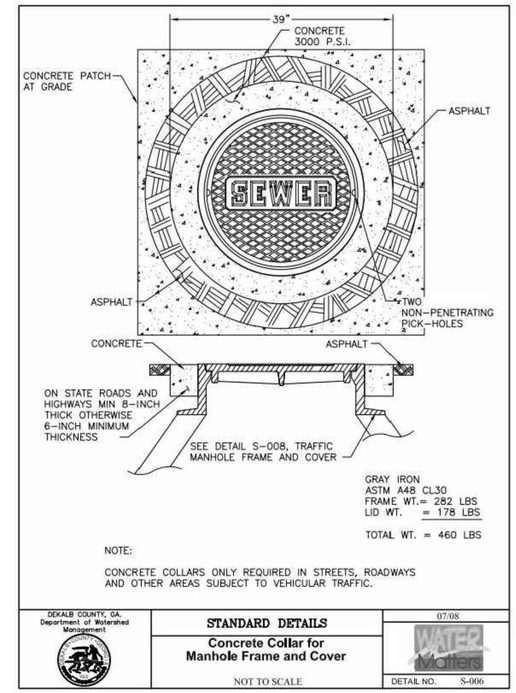

1 STANDARD PRECAST MANHOLE
SCALE: NTS



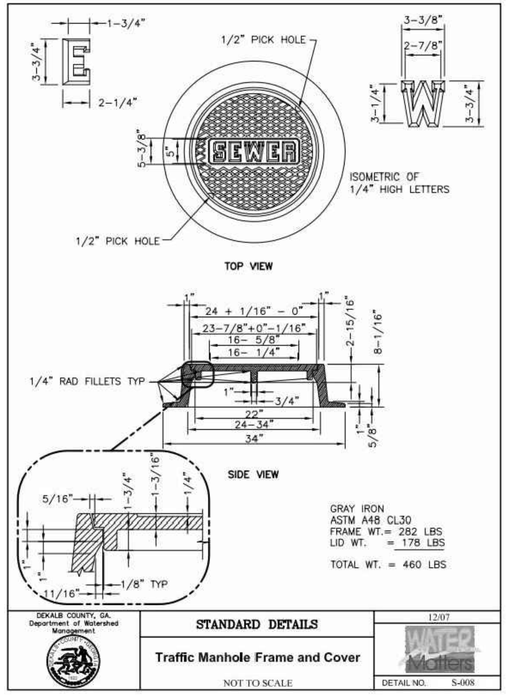

2 MANHOLE JOINT DETAIL
SCALE: NTS



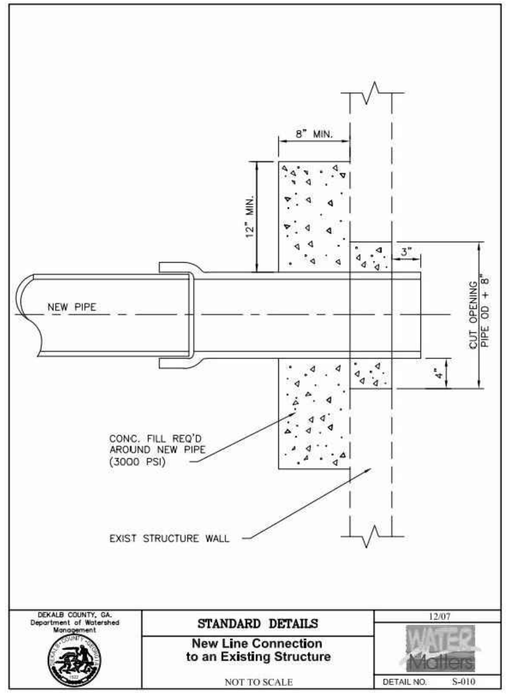

3 MANHOLE STEP
SCALE: NTS



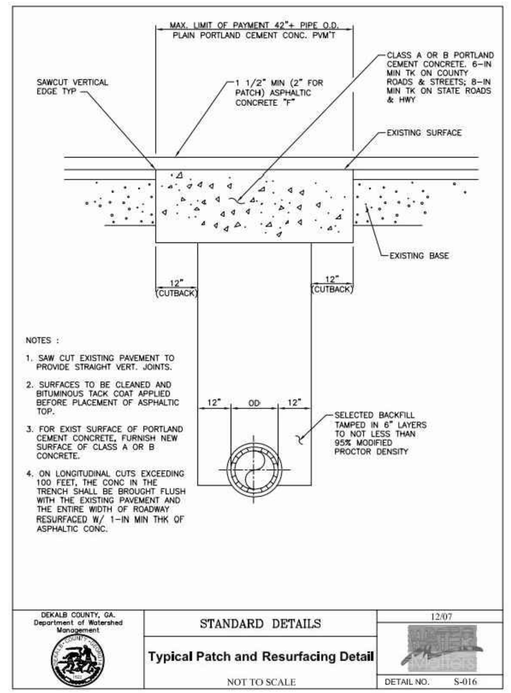

4 CONCRETE COLLAR
SCALE: NTS



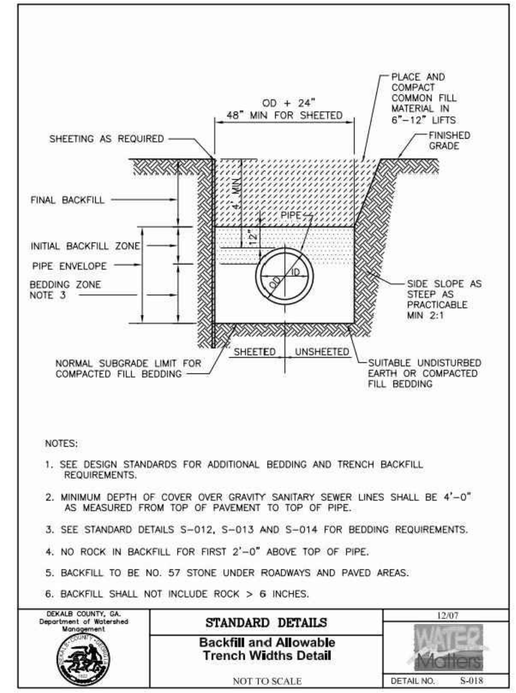

5 TRAFFIC MANHOLE
SCALE: NTS




6 NEW LINE TO EXISTING STRUCTURE CONNECTION
SCALE: NTS




7 TYPICAL PATCH AND RESURFACING
SCALE: NTS




8 BACKFILL AND ALLOWABLE TRENCH
SCALE: NTS

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GEORGIA

BROOK RUN PARK IMPROVEMENTS

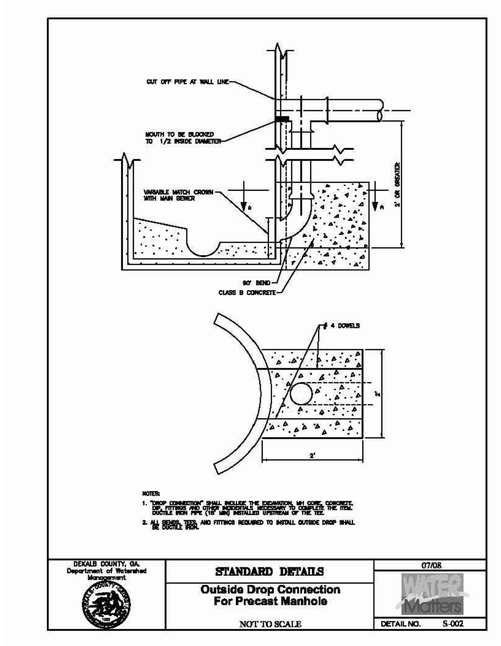
CITY OF DUNWOODY

DUNWOODY

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
| CONFORM SET 04-29-2019 | |

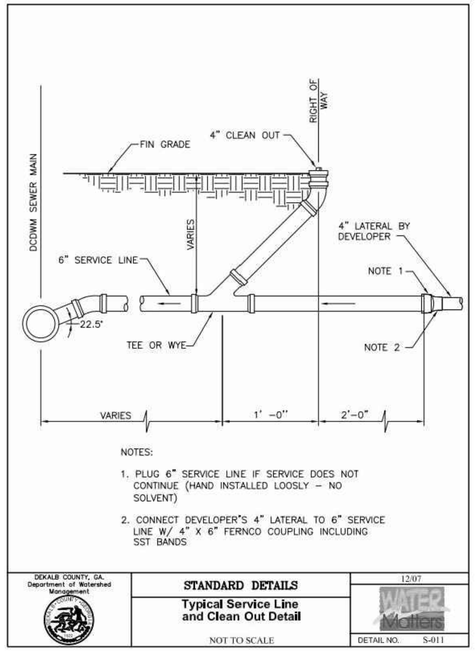
SHEET TITLE
SANITARY SEWER DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE NTS |
| CHECKED BY PL | |
| SHEET NO. C5.05 | |




1 DEKALB COUNTY STANDARD WATER DISTRIBUTION DETAILS

SCALE: NTS




2 TYPICAL SERVICE LINE AND CLEANOUT DETAIL

SCALE: NTS

Know what's **below.**
**Call** before you dig.

LOSE DESIGN
SPACES FOR LIFE.

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF THE ARCHITECT. REPRODUCTION, COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITTEN CONSENT IS PROHIBITED, AND ANY INFRINGEMENT IS SUBJECT TO LEGAL ACTION.

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE041517
01/04/19
PEYTON IRL LINGLE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
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CONFORM SET 04-29-2019

SHEET TITLE

SANITARY SEWER DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=40' |
| CHECKED BY PL | |

SHEET NO.

C5.06

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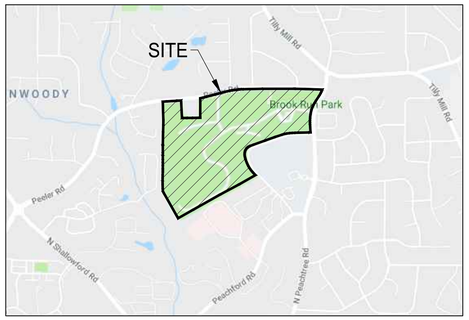
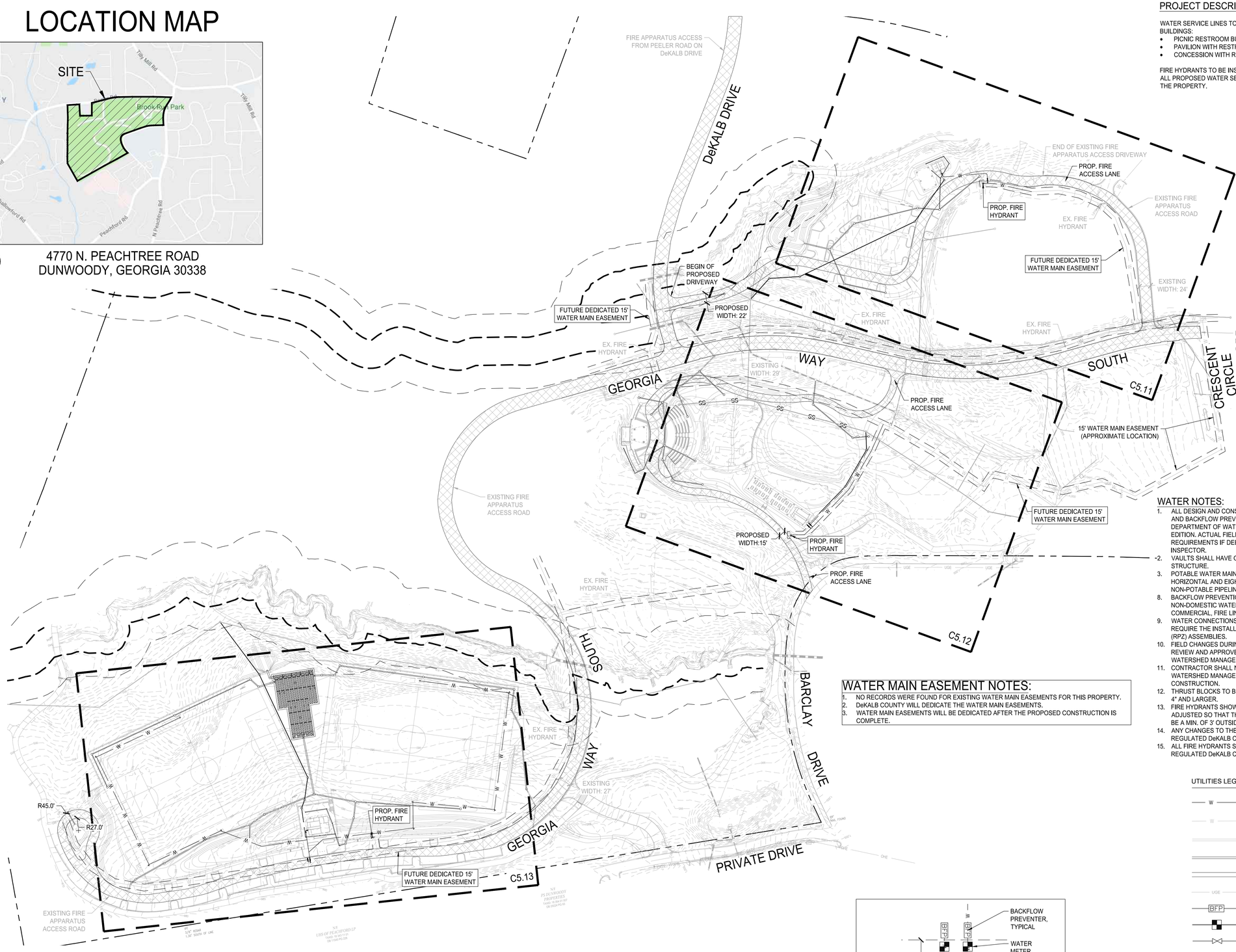
# LOCATION MAP




4770 N. PEACHTREE ROAD
DUNWOODY, GEORGIA 30338




## PROJECT DESCRIPTION:

WATER SERVICE LINES TO BE INSTALLED TO SERVICE THE FOLLOWING BUILDINGS:

- PICNIC RESTROOM BUILDING (PARKING AREA)
- PAVILION WITH RESTROOM (GREAT LAWN)
- CONCESSION WITH RESTROOM (MULTI-PURPOSE FIELDS)

FIRE HYDRANTS TO BE INSTALLED TO SERVICE THE ABOVE AREAS, AS SHOWN. ALL PROPOSED WATER SERVICE WILL TIE INTO EXISTING WATER MAINS WITHIN THE PROPERTY.

WATER PLAN SHEET LEGEND:
C5.10- OVERALL SITE WATER LAYOUT
C5.11- WATER DISTRIBUTION PLAN
C5.12- WATER DISTRIBUTION PLAN
C5.13- WATER DISTRIBUTION PLAN
C5.14- WATER DISTRIBUTION DETAILS

## WATER NOTES:

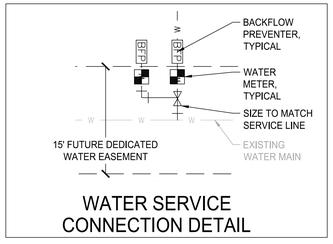
1. ALL DESIGN AND CONSTRUCTION FOR WATER, SEWER, LIFT STATIONS, AND BACKFLOW PREVENTION SHALL COMPLY WITH DeKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DESIGN STANDARDS LATEST EDITION. ACTUAL FIELD CONDITIONS MAY DICTATE MORE STRINGENT REQUIREMENTS IF DEEMED NECESSARY BY THE CONSTRUCTION INSPECTOR.
2. VAULTS SHALL HAVE ONLY ONE (1) LINE ENTERING AND LEAVING THE STRUCTURE.
3. POTABLE WATER MAINS SHALL MAINTAIN A CLEARANCE OF TEN (10') FEET HORIZONTAL AND EIGHTEEN (18") INCHES VERTICAL FROM ALL NON-POTABLE PIPELINES.
8. BACKFLOW PREVENTION DEVICES IS REQUIRED TO BE INSTALLED ON ALL NON-DOMESTIC WATER SERVICE CONNECTION LINES INCLUDING: COMMERCIAL, FIRE LINE, AND IRRIGATION SERVICES.
9. WATER CONNECTIONS TO FACILITIES WITH HIGH HAZARD POTENTIAL REQUIRE THE INSTALLATION OF REDUCED PRESSURE ZONE PRINCIPLE (RPZ) ASSEMBLIES.
10. FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVED BY THE DeKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT BEFORE CHANGES ARE IMPLEMENTED.
11. CONTRACTOR SHALL NOTIFY DeKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR 72 HOURS PRIOR TO START OF CONSTRUCTION.
12. THRUST BLOCKS TO BE USED AT ALL BENDS, PLUGS, AND TEES ON LINES 4" AND LARGER.
13. FIRE HYDRANTS SHOWN IN THE RADIUS OF A CURVE SHALL BE FIELD ADJUSTED SO THAT THE ACTUAL INSTALLATION OF FIRE HYDRANTS WILL BE A MIN. OF 3' OUTSIDE OF CURVE RADIUS.
14. ANY CHANGES TO THE WATER DRAWINGS MUST BE APPROVED BY THE REGULATED DeKALB COUNTY UTILITIES DEPARTMENT.
15. ALL FIRE HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE REGULATED DeKALB COUNTY UTILITIES DEPARTMENT.

## WATER MAIN EASEMENT NOTES:

1. NO RECORDS WERE FOUND FOR EXISTING WATER MAIN EASEMENTS FOR THIS PROPERTY.
2. DeKALB COUNTY WILL DEDICATE THE WATER MAIN EASEMENTS.
3. WATER MAIN EASEMENTS WILL BE DEDICATED AFTER THE PROPOSED CONSTRUCTION IS COMPLETE.

UTILITIES LEGEND:

- W — PROPOSED WATERLINE
- W — EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED SEWER ROUTING
- PROPOSED STORM LINE
- UGE — EXISTING UNDERGROUND ELECTRIC
- BFP — BACKFLOW PREVENTER
- WATER METER
- WATER VALVE




WATER SERVICE CONNECTION DETAIL

Know what's below. Call before you dig.

SCALE: 1" = 100 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| D1 | 02-04-2019 | COMMENTS PER DEKALB COUNTY |
| D2 | 03-06-2019 | COMMENTS PER FIRE MARSHALL |
| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |

CONFORM SET 04-29-2019

SHEET TITLE

WATER DISTRIBUTION PLAN SHEETS KEY

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=100' |
| CHECKED BY PL | |

SHEET NO.

C5.10

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UTILITIES LEGEND:

- PROPOSED WATERLINE
- EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED SEWER ROUTING
- PROPOSED STORM LINE
- EXISTING UNDERGROUND ELECTRIC
- BACKFLOW PREVENTER
- WATER METER
- WATER VALVE

Know what's **below.** **Call** before you dig.

0 30 60 120

SCALE: 1" = 30 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041 5171 01/04/19 PEYTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| D1 | 02-04-2019 | COMMENTS PER DEKALB COUNTY |
| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |

CONFORM SET 04-29-2019

SHEET TITLE

WATER DISTRIBUTION PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=30' |
| CHECKED BY PL | |

SHEET NO.

C5.11

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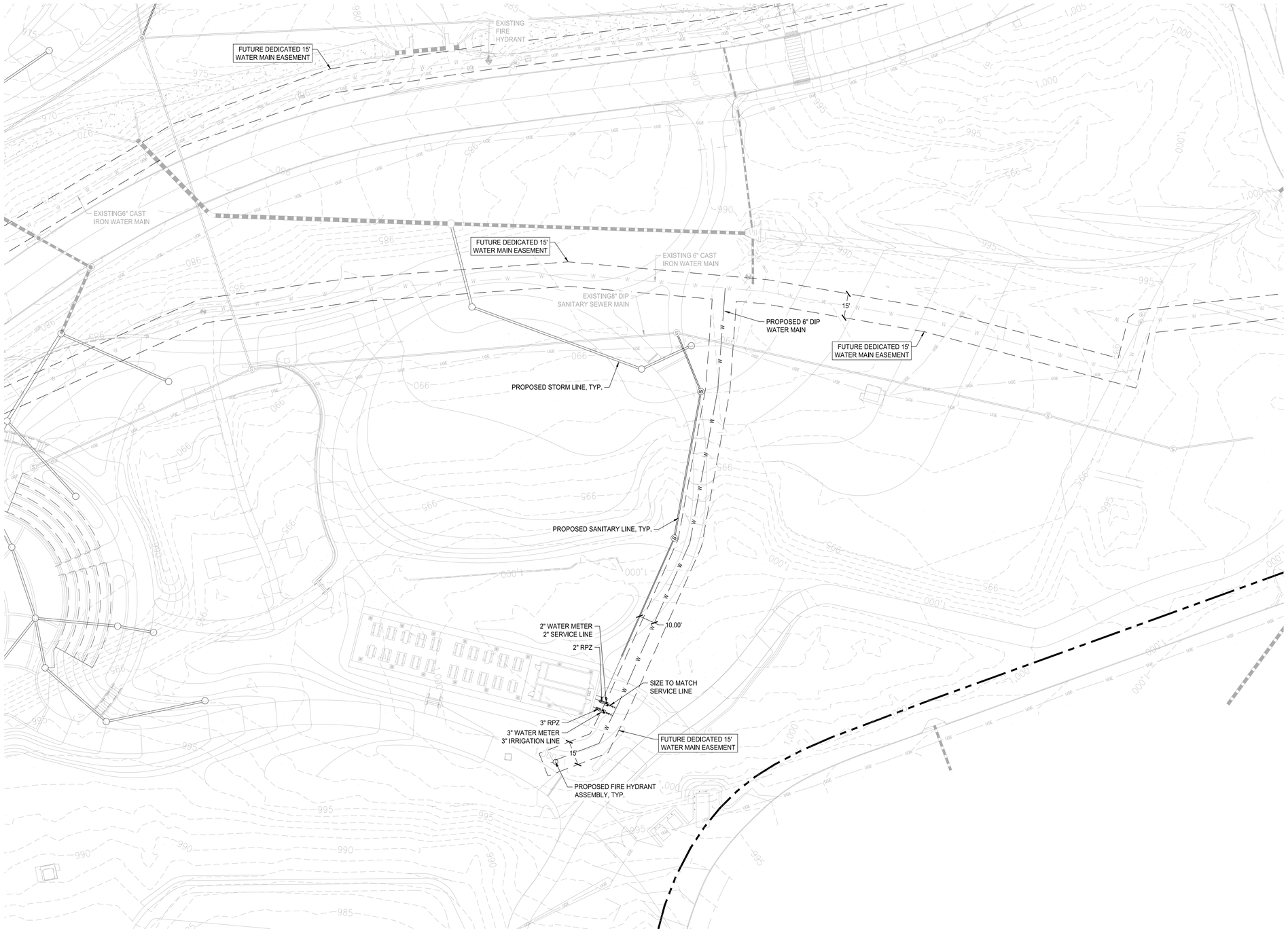


UTILITIES LEGEND:

- PROPOSED WATERLINE
- EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED SEWER ROUTING
- PROPOSED STORM LINE
- EXISTING UNDERGROUND ELECTRIC
- BACKFLOW PREVENTER
- WATER METER
- WATER VALVE

Know what's **below.** **Call** before you dig.

0 30 60 120

SCALE: 1" = 30 '

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041517 01/04/19 PEYTON IRL LINGLE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| D1 | 02-04-2019 | COMMENTS PER DEKALB COUNTY |
| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |
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CONFORM SET 04-29-2019

SHEET TITLE

WATER DISTRIBUTION PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=30' |
| CHECKED BY PL | |

SHEET NO.

C5.12

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UTILITIES LEGEND:

| | |
|---|---|
| PROPOSED WATERLINE | EXISTING UNDERGROUND ELECTRIC |
| EXISTING WATERLINE | BACKFLOW PREVENTER |
| EXISTING SEWER LINE | WATER METER |
| PROPOSED SEWER ROUTING | WATER VALVE |
| PROPOSED STORM LINE | THRUST BLOCK |

811 Know what's below. Call before you dig.

0 30 60 120

SCALE: 1" = 30 '

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# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| D1 | 02-06-2019 | COMMENTS PER DEKALB COUNTY |
| D3 | 04-19-2019 | COMMENTS PER DEKALB COUNTY |

CONFORM SET 04-29-2019

SHEET TITLE

WATER DISTRIBUTION PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE 1"=30' |
| CHECKED BY PL | |
| SHEET NO. C5.13 | |

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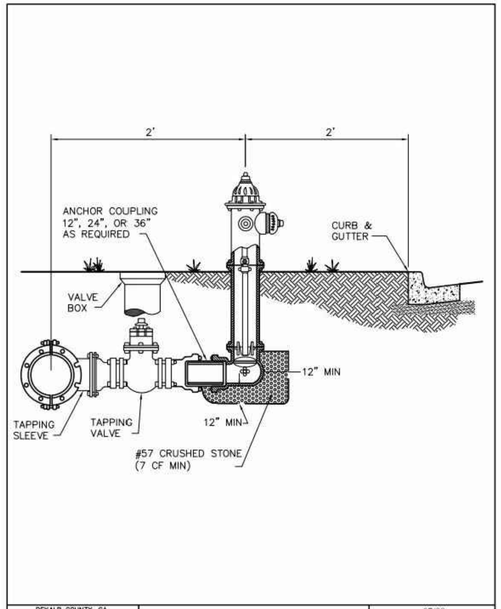



DEKALB COUNTY, GA. Department of Watershed Management

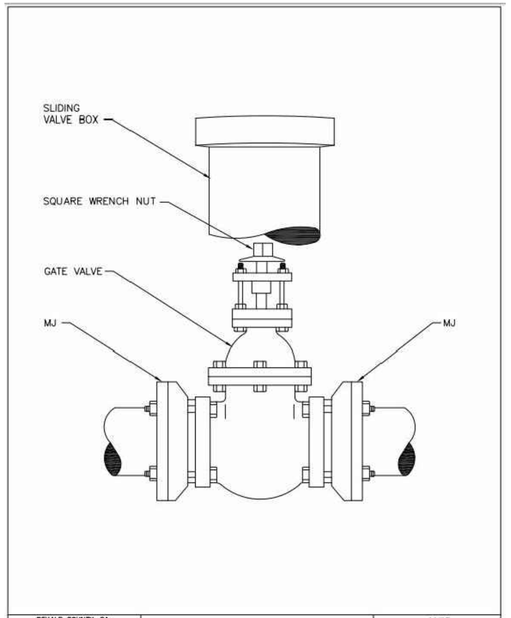
**STANDARD DETAILS**

**Typical Fire Hydrant Detail Tap Installation**

NOT TO SCALE

07/08

DETAIL NO. W-004




DEKALB COUNTY, GA. Department of Watershed Management

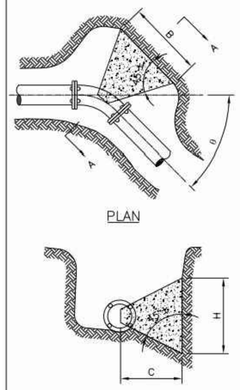
STANDARD DETAILS

**Typical Gate Valve Installation**

NOT TO SCALE

11/07

DETAIL NO. W-007




| FITTING θ | (IN) | B (FT) | H (FT) | C (FT) | VOL ($YD^3$) |
|---|---|---|---|---|---|
| 11–1/4 | 6 | 0.9 | 0.8 | 0.45 | 0.010 |
| | 8 | 1.2 | 1.1 | 0.60 | 0.022 |
| | 10 | 1.5 | 1.3 | 0.75 | 0.041 |
| | 12 | 1.8 | 1.6 | 0.90 | 0.071 |
| | 16 | 2.3 | 2.2 | 1.15 | 0.149 |
| 22–1/2 | 6 | 1.3 | 1.1 | 0.65 | 0.023 |
| | 8 | 1.6 | 1.6 | 0.80 | 0.048 |
| | 10 | 2.1 | 1.9 | 1.05 | 0.097 |
| | 12 | 2.5 | 2.3 | 1.25 | 0.165 |
| | 16 | 3.3 | 3.0 | 1.65 | 0.362 |
| 45 | 6 | 1.7 | 1.6 | 0.85 | 0.050 |
| | 8 | 2.2 | 2.2 | 1.10 | 0.113 |
| | 10 | 2.8 | 2.7 | 1.40 | 0.222 |
| | 12 | 3.3 | 3.3 | 1.65 | 0.375 |
| | 16 | 4.5 | 4.3 | 2.25 | 0.887 |
| 90 | 6 | 2.3 | 2.2 | 1.15 | 0.118 |
| | 8 | 3.1 | 2.9 | 1.55 | 0.278 |
| | 10 | 3.8 | 3.7 | 1.90 | 0.530 |
| | 12 | 4.6 | 4.4 | 2.30 | 0.921 |
| | 16 | 6.1 | 5.9 | 3.05 | 2.142 |
| TEES | 6 | 2.1 | 1.8 | 1.00 | 0.073 |
| | 8 | 2.6 | 2.5 | 1.30 | 0.170 |
| | 10 | 3.2 | 3.1 | 1.60 | 0.319 |
| | 12 | 3.9 | 3.7 | 1.95 | 0.565 |
| | 16 | 5.1 | 5.0 | 2.55 | 1.303 |

NOTES:

1. DIMENSIONS OF THRUST BLOCKS WERE CALCULATED ASSUMING A STATIC PRESSURE OF 250 PSI AND A SOIL BEARING PRESSURE OF 2,000 PSF.
2. DIMENSIONS SHOWN CAN BE VARIED AS FIELD CONDITIONS DICTATE, BUT IT IS IMPORTANT THAT THE CORRECT VOLUME AS SHOWN IN TABLE BE USED AND THAT ALLOWABLE SOIL BEARING PRESSURE NOT BE EXCEEDED.

DEKALB COUNTY, GA. Department of Watershed Management

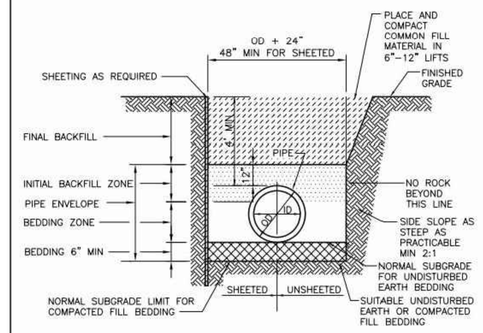
STANDARD DETAILS

**Blocking Detail Horizontal Thrust**

NOT TO SCALE

11/07

DETAIL NO. W-009




NOTES:

1. SEE DESIGN STANDARDS FOR ADDITIONAL BEDDING AND TRENCH BACKFILL REQUIREMENTS.
2. DEPTH OF COVER OVER WATER MAINS SHALL BE 4'–0" AS MEASURED FROM TOP OF PAVEMENT TO TOP OF PIPE.
3. MINIMUM 6" COMPACTED SOIL BETWEEN BOTTOM OF PIPE AND ROCK.
4. NO ROCK IN BACKFILL FOR FIRST 2'–0" ABOVE TOP OF PIPE.
5. BEDDING AND BACKFILL TO BE NO. 57 STONE UNDER ROADWAYS AND PAVED AREAS.
6. BEDDING TO BE GDOT TYPE II FOUNDATION BACKFILL.
7. BACKFILL TO BE FREE OF ORGANICS, OBJECTIONABLE MATERIAL AND STONES LARGER THAN 6" IN ITS LONGEST DIMENSION.

DEKALB COUNTY, GA. Department of Watershed Management

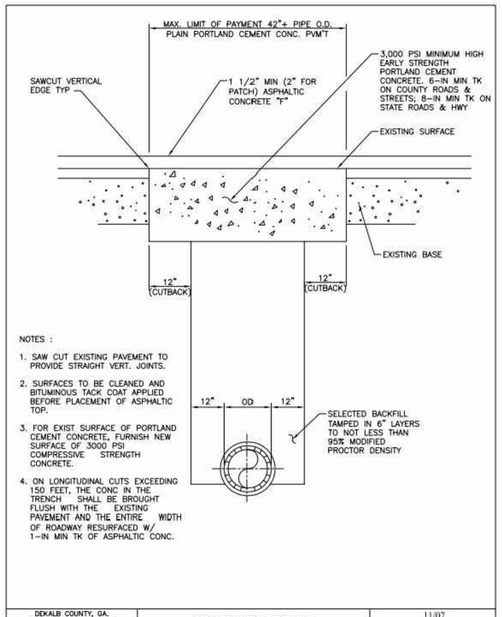
**STANDARD DETAILS**

**Backfill and Allowable Trench Widths Detail**

NOT TO SCALE

11/07

DETAIL NO. W-019




NOTES :

1. SAW CUT EXISTING PAVEMENT TO PROVIDE STRAIGHT VERT. JOINTS.
2. SURFACES TO BE CLEANED AND BITUMINOUS TACK COAT APPLIED BEFORE PLACEMENT OF ASPHALTIC TOP.
3. FOR EXIST SURFACE OF PORTLAND CEMENT CONCRETE, FURNISH NEW SURFACE OF 3000 PSI COMPRESSIVE STRENGTH CONCRETE.
4. ON LONGITUDINAL CUTS EXCEEDING 150 FEET, THE CONC IN THE TRENCH SHALL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF ROADWAY RESURFACED W/ 1–IN MIN TK OF ASPHALTIC CONC.

DEKALB COUNTY, GA. Department of Watershed Management

STANDARD DETAILS

**Typical Patch and Resurfacing Detail**

NOT TO SCALE

11/07

DETAIL NO. W-027

1 DEKALB COUNTY STANDARD WATER DISTRIBUTION DETAILS

SCALE: NTS

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GEORGIA REGISTERED No. PE041317 PROFESSIONAL ENGINEER PEYTON IRL LINGLE 01/04/19

GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |

CONFORM SET 04-29-2019

SHEET TITLE

WATER DISTRIBUTION DETAILS

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY CD | SCALE NTS |
| CHECKED BY PL | |
| SHEET NO. C5.14 | |

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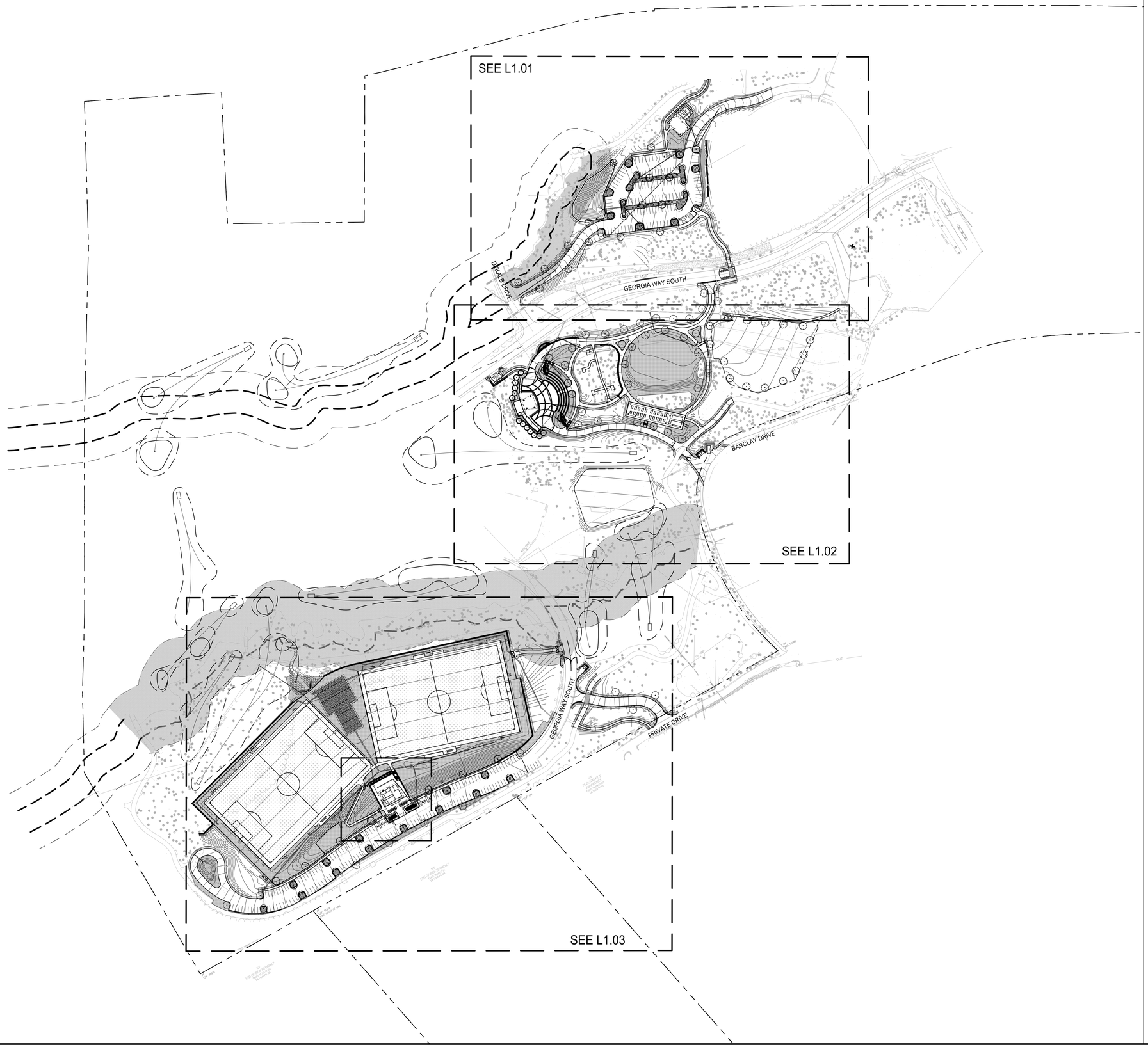


0 120 240 360

SCALE: 1" = 120 '

LOSE DESIGN
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GEORGIA REGISTERED LA001872 1/4/19 LANDSCAPE ARCHITECT AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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CONFORM SET 04-29-2019

SHEET TITLE

LANDSCAPE PLAN KEY SHEET

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=120' |
| CHECKED BY JG | |

SHEET NO.

L1.00

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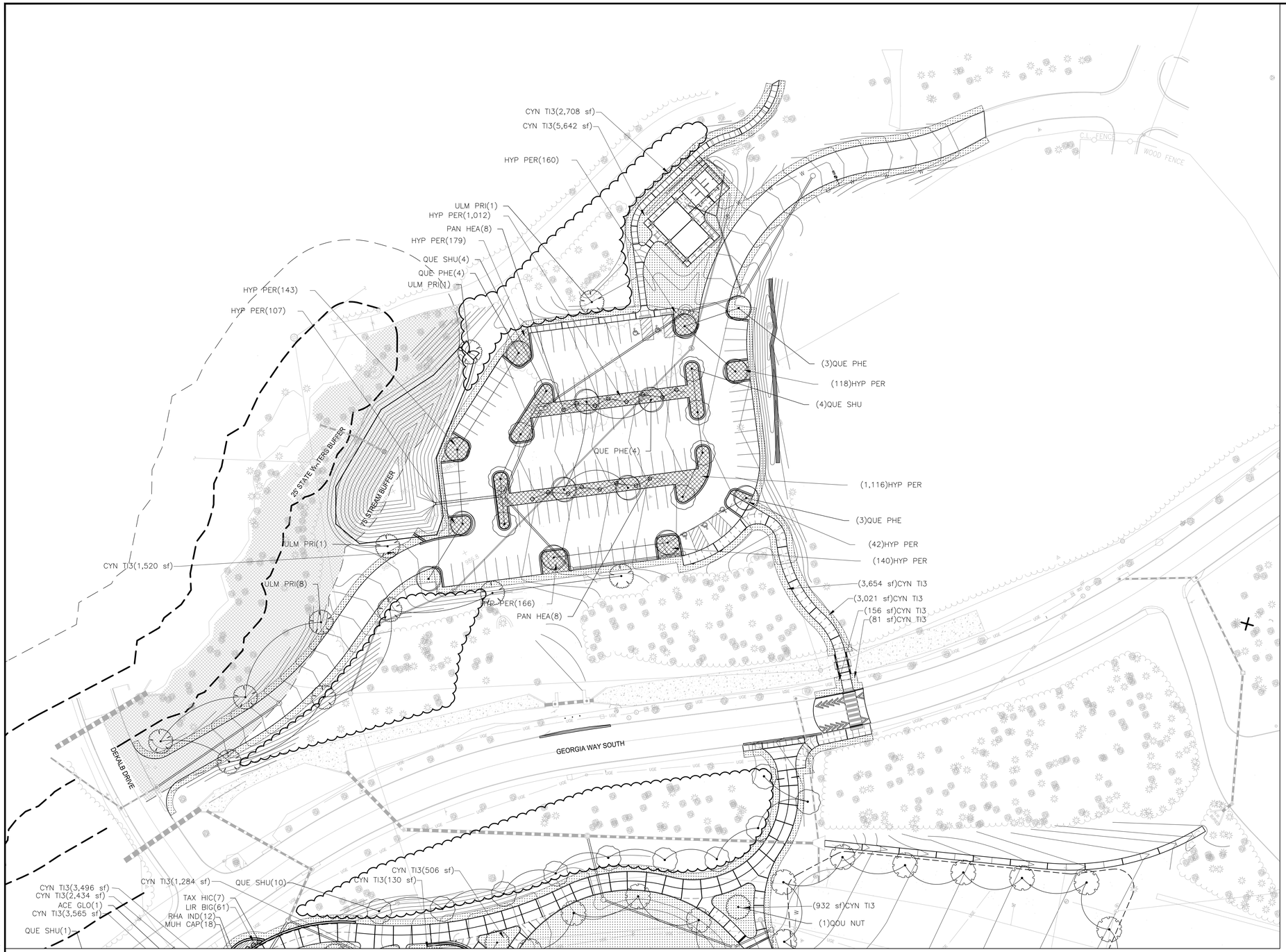


LEGEND

TREE REPLACEMENT AREA

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
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| CONFORM SET 04-29-2019 | |

SHEET TITLE

LANDSCAPE PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |
| SHEET NO. L1.01 | |

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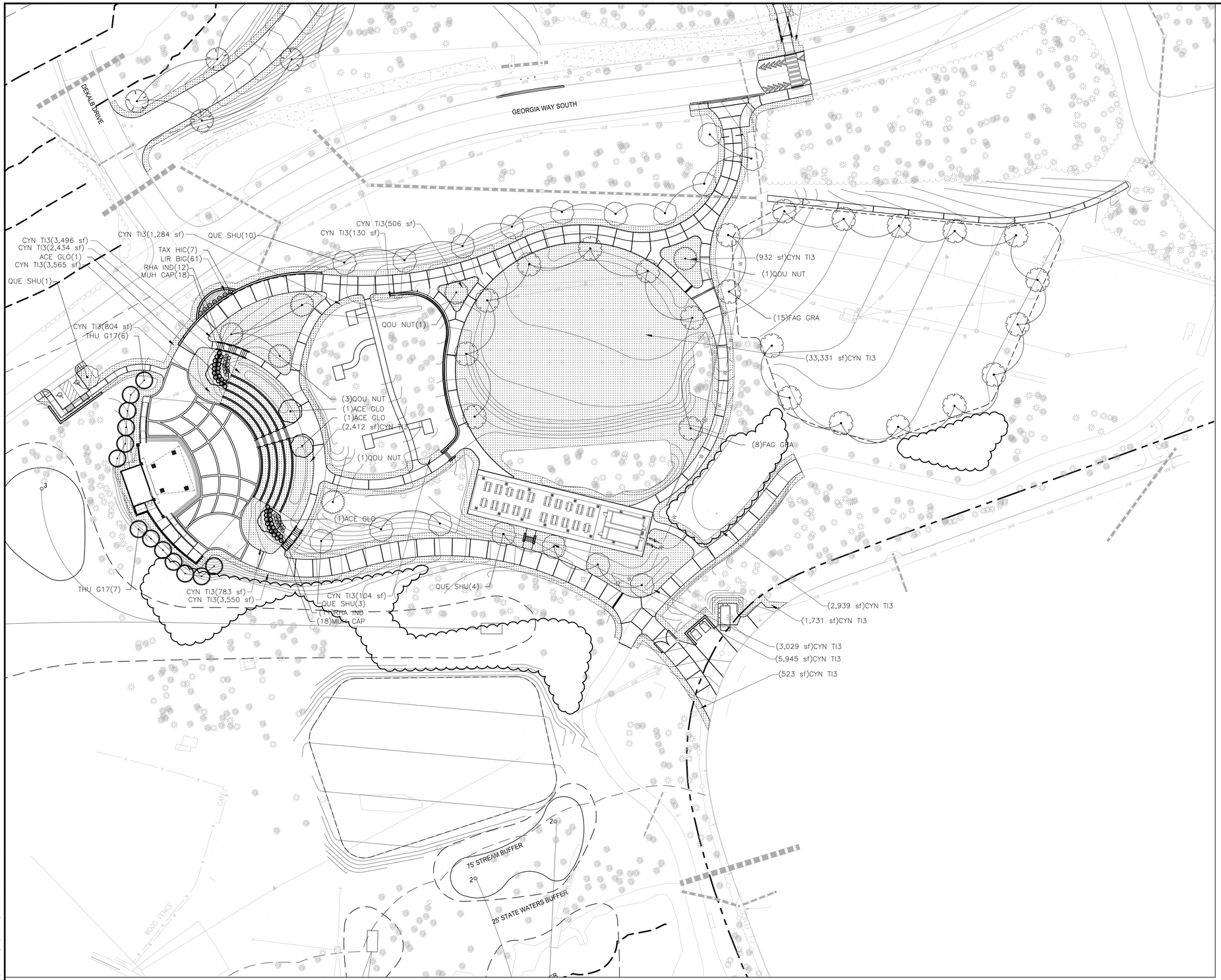


LEGEND

TREE REPLACEMENT AREA

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LA001872 1/4/19 LANDSCAPE ARCHITECT AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

CONFORM SET 04-29-2019

SHEET TITLE

LANDSCAPE PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |
| SHEET NO. L1.02 | |

O:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CADD\1_SHEETS\17302_L1.00_LANDSCAPE_SERIES.dwg - Printed on 2019-04-29 at 5:29:13 PM

25' STATE WATERS BUFFER

75' STREAM BUFFER

25' STATE WATERS BUFFER

25' STATE WATERS BUFFER

75' STREAM BUFFER

CYN TI3(111,034 sf)

CYN TI3(6,055 sf)

SEE SHEET L1.04

GEORGIA WAY SOUTH

WOOD FENCE

(130 sf)CYN TI3

(972 sf)CYN TI3

(1,452 sf)CYN TI3

(3)QUE SHU

998.4

998.5

92

92.1

94.6

94.7

1001

(2,317 sf)CYN TI3

(1,002 sf)CYN TI3

(436 sf)CYN TI3

(39 sf)CYN TI3

N/F
PS DUNWOODY PROPERTIES
TAX ID: 18 354 01 007
DB 25024 PG 93

(3)QUE PHE

(2)QUE SHU

(119)HYP PER

(2)QUE PHE

(103)HYP PER

(122)HYP PER

(122)HYP PER

(4)QUE SHU

(3)QUE SHU

(122)HYP PER

(122)HYP PER

(2,946 sf)CYN TI3

(4)QUE SHU

(122)HYP PER

(100)HYP PER

(100)HYP PER

(122)HYP PER

N/F
UHS OF PEACHFORD LP
TAX ID: 18 343 11 01
DB 11545 PG 228

QUE PHE(4)

(4)QUE PHE

(121)HYP PER

3/8" REBAR
1.30' SOUTH OF LINE

(3)QUE SHU

(3,379 sf)CYN TI3

(101)HYP PER

(108)HYP PER

## LEGEND

TREE REPLACEMENT AREA

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
| CONFORM SET 04-29-2019 | |

SHEET TITLE

LANDSCAPE PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY JG | |
| SHEET NO. L1.03 | |

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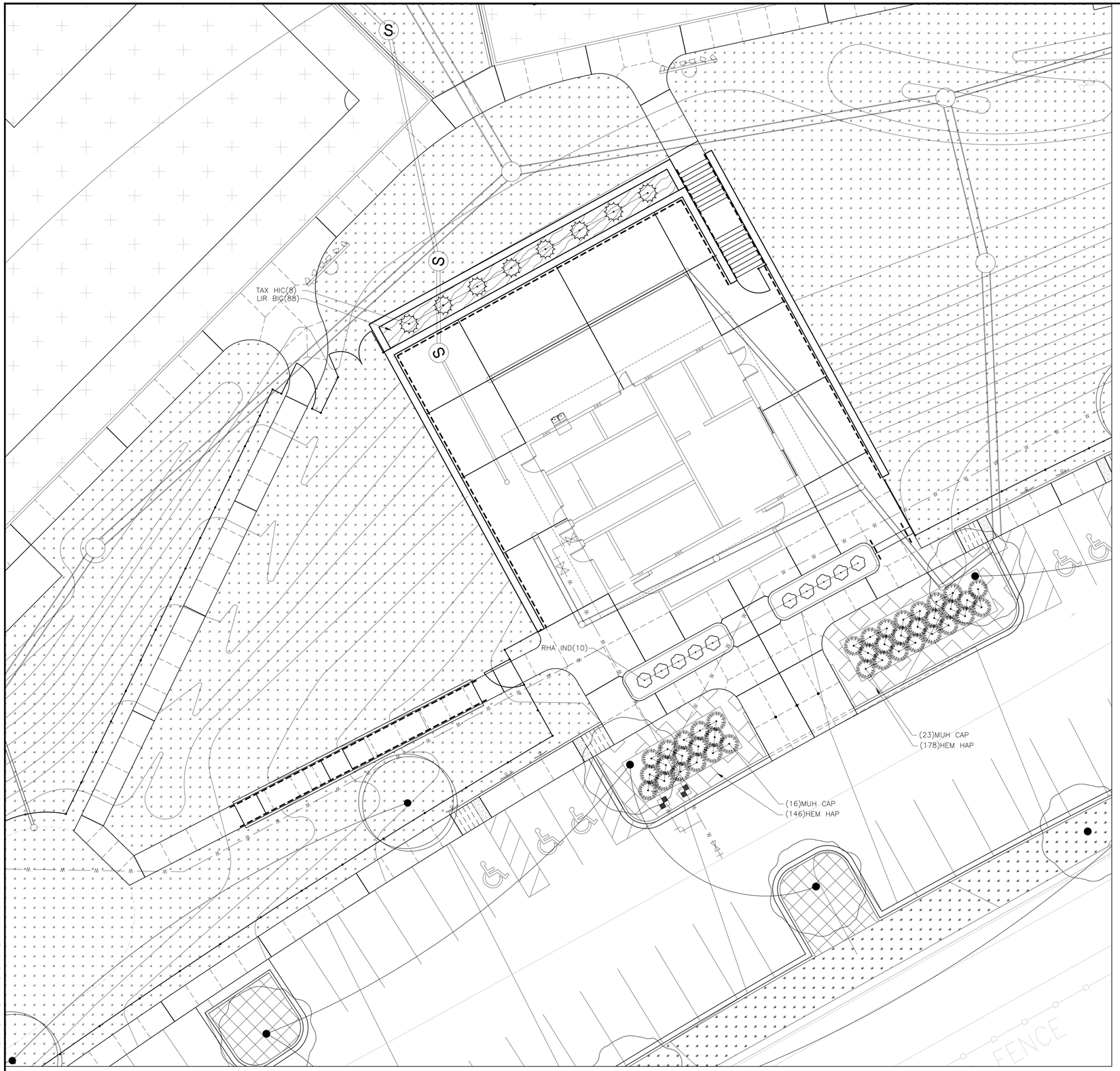


0 10 20 30

SCALE: 1" = 10 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| . | . | . |
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| . | . | . |
| . | . | . |
| . | . | . |

CONFORM SET 04-29-2019

SHEET TITLE

LANDSCAPE PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=10' |
| CHECKED BY JG | |
| SHEET NO. L1.04 | |

O:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CADD_SHEETS\17302_L100_LANDSCAPE_SERIES.dwg - Printed on 2019-04-29 at 5:17:21 PM.

## GENERAL NOTES:

1. UNDERGROUND UTILITIES:
   1.1. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG, CALL TENNESSEE ONE CALL SYSTEM--1-800-351-1111.
   1.2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.
2. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE IN THE FORM OF A DRAWING OR SKETCH INDICATION FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.

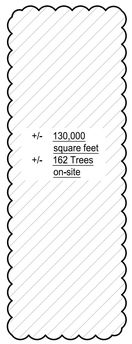
## LANDSCAPE NOTES:

1. PLANTING BEDS AND PLANT LOCATIONS SHALL BE STAKED BY THE LANDSCAPE CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER OR THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION OF THE PLANTS.
2. PLANTING BEDS SHALL BE CLEARED OF ALL GRASS AND WEEDS PRIOR TO INSTALLATION OF PLANTS, INCLUDING SPRAYING "ROUND-UP" OR APPROVED SUBSTITUTE TO KILL ACTIVELY GROWING PLANTS. PLANT BEDS SHALL BE PREPARED AS CALLED FOR IN THE SPECIFICATIONS AND DETAILS.
3. ALL OTHER DISTURBED AREAS ARE TO BE SEEDED OR SODDED AS PER THE PLANS. ADDITIONAL SEEDING OR SODDING, IF REQUIRED, WILL BE AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. SEE EROSION CONTROL SHEET FOR SEEDING.
4. PLANTING BEDS SHALL HAVE A THREE (3) INCH SHREDDED HARDWOOD BARK MULCH OVER THE ENTIRE BED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
5. PRIOR TO PLANTING, ALL PLANTED AREAS SHALL BE TREATED WITH A WATER-SOLUBLE HERBICIDE FOR THE NON-SELECTIVE CONTROL OF ANNUAL AND PERENNIAL WEEDS PRIOR TO PLANTING.
6. ALL TREE AND SHRUB PLANTING PITS SHALL BE BACKFILLED WITH A PLANTING SOIL MIXTURE OF ONE (1) PART ORIGINAL SOIL AND ONE (1) PART TOPSOIL, THOROUGHLY MIXED. SAMPLE OF MIXTURE TO BE APPROVED IN WRITING BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
7. PLANT GROUNDCOVER & ANNUAL BEDS IN SAME MIXTURE AS SHRUBS. AFTER PLANTING & MULCHING, WATER AREAS TO POINT OF SATURATION.
8. ALL PLANTED AREAS ARE TO BE FERTILIZED WITH GRANULAR FERTILIZER. LANDSCAPE CONTRACTOR IS TO PROVIDE SOIL TEST RESULTS AND PROPOSED FERTILIZER APPLICATION RATES TO THE OWNER OR OWNER'S REPRESENTATIVE FOR APPROVAL.
9. ALL PLANT MATERIAL IS TO BE NURSERY GROWN AND TO COMPLY WITH AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60. 1-2004) OR LATEST EDITION. PLANTS NOT IN COMPLIANCE WILL BE REJECTED AND REPLACED WITH PLANTS THAT MEET THE STANDARDS.
10. SPRAY TREES AND SHRUBS WITH AN ANTI-DESICCANT IF FOLIAGE IS PRESENT.
11. EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIAL IS PLANTED.
12. DO NOT PRUNE ANY PLANT MATERIAL UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
13. ALL LANDSCAPE MATERIAL SHALL BE APPROVED BY THE OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION. MATERIALS MAY BE VIEWED AT LANDSCAPE CONTRACTOR'S HOLDING SITE OR AT THIS SITE. IT SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF THE AVAILABILITY OF THE MATERIALS TO BE INSPECTED.
14. ALL MATERIALS INSPECTED ON THE SITE AND FOUND TO BE UNACCEPTABLE SHALL BE REMOVED FROM THE SITE ON THE DAY OF INSPECTION.
15. FIELD CHANGES MUST BE APPROVED IN WRITING BY THE OWNER OR OWNER'S REPRESENTATIVE.
16. EXISTING PLANT MATERIAL IS TO BE EVALUATED BY THE LANDSCAPE ARCHITECT FOR POSSIBLE RELOCATION ON SITE. THE LANDSCAPE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT FORTY-EIGHT (48) HOURS BEFORE BEGINNING WORK.
17. ALL PLANT MATERIAL SHALL BE SUPPLIED BY APPROPRIATE SOURCES TO PREVENT UNDUE STRESS OR PROLONGED ACCLIMATIZATION WHICH WOULD INHIBIT PLANT GROWTH.
18. LANDSCAPE CONTRACTOR IS TO VERIFY PLANT QUANTITIES SHOWN ON PLAN AND IN PLANT LIST. IF DISCREPANCIES OCCUR, LANDSCAPE CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
19. EVERGREEN TREES TO BE A MINIMUM OF 6' IN HEIGHT AT TIME OF PLANTING - DECIDUOUS TREES TO BE 2" DBH MIN AT TIME OF PLANTING. SEE PLANT LIST FOR LARGER MATERIAL REQUIRED.
20. MULTI-TRUNK PLANT MATERIAL SHALL BE ONE PLANT GROWN FROM SINGLE SEEDLING. NO CLUMP MULTI-PLANT STOCK WILL BE ACCEPTED.
21. IF IN THE OPINION OF THE LANDSCAPE ARCHITECT, THE CENTRAL LEADER OF ANY TREE HAS BEEN CUT IN THE HISTORY OF THE PLANT'S GROWTH, THE MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER. THE DECISION OF THE LANDSCAPE ARCHITECT WILL BE FINAL.

## PLANT STOCK NOTES:

1. ALL CANOPY TREES SHALL BE LIMBED UP AT LEAST 7' WITH A MINIMUM HEIGHT OF 12'.
2. ALL PEDESTRIAN ACCESS WAYS MUST HAVE AT LEAST 7' OF CLEARANCE.
3. ALL UNDERSTORY TREES SHALL BE LIMBED UP AT LEAST 4' WITH A MINIMUM HEIGHT OF 8'.
4. ALL CANOPY AND UNDERSTORY TREES SHALL HAVE ONE STRONG CENTRAL LEADER TRUNK. NO MULTI-TRUNK UNLESS SPECIFIED.
5. THE SOUTH SIDE OF ALL TREES SHALL BE MARKED BEFORE TRANSPLANT FOR DIRECTIONAL PLACEMENT AT THE TIME OF PLANTING. CONTRACTOR SHALL BE RESPONSIBLE FOR DIRECTIONAL PLACEMENT.
6. ALL TREES SHALL BE MATCHED SPECIMENS WITH A FULL CANOPY AND A UNIFORM BRANCHING HABIT.
7. EVERGREEN TREES SHALL BE FULL TO GROUND WITH A HEAVY CANOPY AND STRONG CENTRAL LEADER.
8. ALL SHRUBS SHALL HAVE A FULL, HEAVY BODY FOR THE COMPLETE HEIGHT OF THE SHRUB AND SHOULD NOT SHOW STRESS AT TIME OF PLANTING.
9. ALL SHRUBS SHALL HAVE A MINIMUM #3 CONTAINER AT TIME OF PLANTING. PLANT SELECTION MUST BE CHOSEN BY PLANT SIZE, NOT CONTAINER SIZE.
10. ALL SHRUBS, EXCEPT AS NOTED**, SHALL BE PLANTED AND MAINTAINED IN THEIR NATURAL FORM TO CREATE A PLANT MASSING EFFECT. NO "GUMDROP" PRUNING IS ALLOWED.
11. MULCH "VOLCANOES" ARE UNACCEPTABLE. MULCH MUST BE INSTALLED PER DETAILS.
12. INSTALL ALL PLANTS IN ACCORDANCE WITH ALL APPLICABLE DETAILS AND SPECIFICATIONS INCLUDED WITHIN THE CONSTRUCTION PACKAGE.
13. ALL PLANTS MUST BE SELECTED, INSTALLED, AND MAINTAINED ACCORDING TO THE SPECIFICATIONS.
14. ALL TREES MUST BE PLANTED A MINIMUM OF 5 FEET FROM MAJOR UTILITY LINES. CONTACT LANDSCAPE ARCHITECT WHERE DISCREPANCIES OCCUR FOR FIELD ADJUSTMENT.

## TREE REPLACEMENT AREAS:



+/- 130,000 square feet
+/- 162 Trees on-site

1. ALL REPLACEMENT TREES SHALL BE A MINIMUM 2" CALIPER
2. ALL REPLACEMENT TREES PLANTING WITHIN PARK BOUNDARY CAN BE IN 'PARK' CONDITION.
3. ALL REPLACEMENT TREES PLANTED OUTSIDE OF PARK BOUNDARY SHALL BE IN EXCELLENT CONDITION
4. REPLACEMENT TREES WITHIN INDICATED AREA ARE ANTICIPATED AT 40' O.C.

RECOMMENDED REPLACEMENT TREE PLANT LIST:
QUERCUS RUBRA
QUERCUS PHELLOS
ACER RUBRUM
ACER SACCARUM
ACER BUERGERANUM
GLEDITSIA TRIACANTHOS
BETULA NIGRA
AMELANCHIER SP.
CERCIS CANADENSIS
CORNUS KOUSA
CRATAEGUS VIRDIS
GINKGO BILOBA
MAGNOLIA GRANDIFLORA
MAGNOLIA STELLATA
MALUS
PLATANUS OCCIDENTALIS
PRUNUS SP.
SALIX BABYLONICA
TILIA CORDATA
ZELKOVA SERRATA

## TREES BEING DEMOLISHED THAT MEET REQUIREMENTS FOR TREE REMOVAL PERMIT:

| Tree # | Species | Softwood / Hardwood or Understory | DBH | REASON FOR REMOVAL |
|---|---|---|---|---|
| 2 | Hickory | Hardwood | 12" | **New Trail** |
| 6 | Sweetgum | Hardwood | 12" | **New Parking Lot** |
| 13 | Sweetgum | Hardwood | 14" | **New Parking Lot** |
| 14 | Oak | Hardwood | 12" | **New Parking Lot** |
| 15 | Sweetgum | Hardwood | 10" | **New Parking Lot** |
| 19 | Oak | Hardwood | 15" | **New Parking Lot** |
| 21 | DE | | 20" | **New Parking Lot** |
| 24 | DE | | 15" | **New Parking Lot** |
| 26 | Oak | Hardwood | 11" | **New Parking Lot** |
| 28 | Oak | Hardwood | 16" | **New Parking Lot** |
| 32 | Oak | Hardwood | 16" | **New Parking Lot** |
| 42 | Sweetgum | Hardwood | 11" | **New Parking Lot** |
| 45 | Sweetgum | Hardwood | 10" | **Grading** |
| 50 | Sweetgum | Hardwood | 12" | **Grading** |
| 51 | DE | | 15" | **Grading** |
| 52 | DE | | 10" | **Grading** |
| 53 | Sweetgum | Hardwood | 12" | **Grading** |
| 54 | Oak | Hardwood | 15" | **New Parking Lot** |
| 56 | Sweetgum | Hardwood | 13" | **Grading** |
| 57 | Pine | Softwood | 20" | **New Parking Lot** |
| 60 | DE | | 10" | **New Parking Lot** |
| 63 | Oak | Hardwood | 12" | **New Parking Lot** |
| 64 | Poplar | Softwood | 24" | **New Parking Lot** |
| 67 | Pine | Softwood | 20" | **Grading** |
| 70 | Pine | Softwood | 24" | **Grading** |
| 72 | DE | | 12" | **New Parking Lot** |
| 73 | Oak | Hardwood | 15" | **New Parking Lot** |
| 81 | Sweetgum | Hardwood | 12" | **Grading** |
| 82 | Holly | Hardwood | 17" | **Grading** |
| 86 | Pine | Softwood | 26" | **New Trail** |
| 87 | Pine | Softwood | 22" | **New Trail** |
| 89 | Sweetgum | Hardwood | 28" | **New Trail** |
| 91 | Oak | Hardwood | 13" | **New Trail** |
| 92 | Oak | Hardwood | 15" | **New Trail** |
| 101 | BP | | 11" | **New Trail** |
| 107 | Pine | Softwood | 24" | **New Trail** |
| 119 | Sweetgum | | 10" | **Grading** |
| 126 | Sweetgum | Hardwood | 10" | **Grading** |
| 144 | Oak | Hardwood | 19" | **Grading** |
| 150 | Oak | Hardwood | 13" | **New Trail** |
| 153 | Pine | Softwood | 20" | **New Trail** |
| 157 | Pine | Softwood | 21" | **New Trail** |
| 162 | Sweetgum | Hardwood | 11" | **New Trail** |
| 170 | Oak | Hardwood | 11" | **New Trail** |
| 176 | Sweetgum | Hardwood | 15" | **Grading** |
| 200 | Pine | Softwood | 24" | **New Trail** |
| 201 | Oak | Hardwood | 10" | **New Trail** |
| 202 | Pine | Softwood | 21" | **Grading** |
| 204 | Oak | Hardwood | 10" | **New Trail** |
| 207 | Maple | Hardwood | 14" | **New Trail** |
| 208 | Holly | Hardwood | 14" | **Grading** |
| 209 | Pine | Softwood | 28" | **New Trail** |
| 210 | Holly | Hardwood | 14" | **New Trail** |
| 211 | Holly | Hardwood | 13" | **Parking** |
| 212 | Holly | Hardwood | 22" | **Grading** |
| 213 | Oak | Hardwood | 20" | **Grading** |
| 214 | Oak | Hardwood | 11" | **Grading** |
| 217 | Oak | Hardwood | 17" | **New Trail** |
| 218 | Oak | Hardwood | 12" | **New Trail** |
| 219 | Oak | Hardwood | 26" | **New Trail** |
| 220 | Oak | Hardwood | 10" | **New Trail** |
| 221 | Oak | Hardwood | 34" | **Grading** |
| 222 | Oak | Hardwood | 10" | **Grading** |
| 223 | Pine | Softwood | 21" | **Grading** |
| 224 | Holly | Hardwood | 21" | **Grading** |
| 246 | Oak | Hardwood | 10" | **Grading** |
| 256 | Oak | Hardwood | 18" | **Grading** |
| 257 | Oak | Hardwood | 15" | **Grading** |
| 258 | Oak | Hardwood | 21" | **Grading** |
| 259 | Oak | Hardwood | 10" | **Grading** |
| 262 | Oak | Hardwood | 26" | **Grading** |
| 264 | Hickory | Hardwood | 10" | **Grading** |
| 265 | Oak | Hardwood | 24" | **Grading** |
| 266 | Oak | Hardwood | 22" | **Grading** |
| 268 | Oak | Hardwood | 15" | **Grading** |
| 269 | Pine | Softwood | 20" | **Grading** |
| 270 | Poplar | Hardwood | 46" | **Grading** |
| 277 | Oak | Hardwood | 12" | **Grading** |
| 280 | Oak | Hardwood | 42" | **Grading** |
| 281 | Oak | Hardwood | 14" | **Grading** |
| 286 | Oak | Hardwood | 12" | **Grading** |
| 287 | Oak | Hardwood | 28" | **Grading** |
| 289 | Oak | Hardwood | 20" | **Grading** |
| 290 | Oak | Hardwood | 14" | **Grading** |
| 291 | Oak | Hardwood | 14" | **Grading** |
| 292 | Hickory | Hardwood | 20" | **Grading** |
| 294 | Oak | Hardwood | 16" | **Grading** |
| 296 | Oak | Hardwood | 24" | **Grading** |
| 298 | Oak | Hardwood | 12" | **Grading** |
| 299 | Oak | Hardwood | 24" | **Grading** |
| 301 | Oak | Hardwood | 14" | **Grading** |
| 303 | Oak | Hardwood | 18" | **Grading** |
| 304 | Oak | Hardwood | 10" | **Grading** |
| 305 | Oak | Hardwood | 16" | **Grading** |
| 306 | Oak | Hardwood | 12" | **Grading** |
| 310 | Oak | Hardwood | 12" | **Grading** |
| 311 | Oak | Hardwood | 10" | **Grading** |
| 313 | Oak | Hardwood | 10" | **Grading** |
| 314 | Oak | Hardwood | 10" | **Grading** |
| 315 | Oak | Hardwood | 11" | **Grading** |
| 316 | Poplar | Hardwood | 16" | **Grading** |
| 318 | Poplar | Hardwood | 15" | **Grading** |
| 320 | Oak | Hardwood | 10" | **Grading** |
| 321 | Oak | Hardwood | 10" | **Grading** |
| 323 | Oak | Hardwood | 10" | **Grading** |
| 325 | Oak | Hardwood | 14" | **Grading** |
| 328 | Oak | Hardwood | 40" | **Grading** |
| 330 | Oak | Hardwood | 24" | **Grading** |
| 331 | Oak | Hardwood | 12" | **Grading** |
| 332 | Oak | Hardwood | 12" | **Grading** |
| 333 | Oak | Hardwood | 14" | **Grading** |
| 334 | Oak | Hardwood | 24" | **Grading** |
| 335 | Oak | Hardwood | 12" | **Grading** |
| 338 | Oak | Hardwood | 20" | **Grading** |
| 339 | Oak | Hardwood | 14" | **Grading** |
| 340 | Oak | Hardwood | 22" | **Grading** |
| 342 | Oak | Hardwood | 10" | **Grading** |
| 343 | Oak | Hardwood | 32" | **Grading** |
| 346 | Oak | Hardwood | 32" | **Grading** |
| 348 | DE | | 14" | **New Trail** |
| 349 | Oak | Hardwood | 10" | **Grading** |
| 350 | Oak | Hardwood | 18" | **Grading** |
| 352 | Oak | Hardwood | 16" | **Grading** |
| 354 | Oak | Hardwood | 22" | **Grading** |
| 355 | Oak | Hardwood | 22" | **Grading** |
| 358 | Oak | Hardwood | 14" | **Grading** |
| 359 | Oak | Hardwood | 20" | **Grading** |
| 360 | Oak | Hardwood | 14" | **Grading** |
| 361 | Oak | Hardwood | 20" | **Grading** |
| 362 | Oak | Hardwood | 12" | **Grading** |
| 363 | Oak | Hardwood | 15" | **Grading** |
| 365 | Poplar | Hardwood | 17" | **Grading** |
| 369 | Oak | Hardwood | 20" | **Grading** |
| 370 | Oak | Hardwood | 30" | **Grading** |
| 373 | Poplar | Hardwood | 20" | **Grading** |
| 374 | Oak | Hardwood | 20" | **Grading** |
| 375 | Poplar | Hardwood | 14" | **Grading** |
| 376 | Poplar | Hardwood | 20" | **Grading** |
| 377 | DE | | 30" | **Grading** |
| 378 | Oak | Hardwood | 21" | **Grading** |
| 380 | Oak | Hardwood | 10" | **Grading** |
| 381 | Pine | Softwood | 20" | **Grading** |
| 386 | Oak | Hardwood | 32" | **Grading** |
| 387 | Oak | Hardwood | 19" | **Grading** |
| 388 | Poplar | Hardwood | 16" | **Grading** |
| 389 | Oak | Hardwood | 16" | **Grading** |
| 391 | Poplar | Hardwood | 10" | **Grading** |
| 392 | Sweetgum | Hardwood | 19" | **Grading** |
| 393 | Sweetgum | Hardwood | 11" | **Grading** |
| 395 | Poplar | Hardwood | 11" | **Grading** |
| 396 | Sweetgum | Hardwood | 11" | **Grading** |
| 397 | Pine | Softwood | 26" | **Grading** |
| 398 | Sweetgum | Hardwood | 10" | **Grading** |
| 399 | Oak | Hardwood | 24" | **Grading** |
| 400 | Pine | Softwood | 32" | **Grading** |
| 401 | Oak | Hardwood | 10" | **Grading** |
| 403 | DE | | 11" | **Grading** |
| 405 | Oak | Hardwood | 10" | **Grading** |
| 406 | Pine | Softwood | 22" | **Grading** |
| 413 | Oak | Hardwood | 11" | **Grading** |
| 418 | Pine | Softwood | 20" | **Grading** |
| 420 | Holly | Hardwood | 17" | **Grading** |
| 426 | Oak | Hardwood | 23" | **Grading** |
| 429 | | Hardwood | 24" | **Utilities** |

## PLANTING SCHEDULE:

| TREES | QTY | BOTANICAL NAME | COMMON NAME | CONT | CAL | HT | | REMARKS |
|---|---|---|---|---|---|---|---|---|
| ACE GLO | 4 | ACER RUBRUM 'OCTOBER GLORY' TM | OCTOBER GLORY MAPLE | B&B | 3" | 14'-16' HT. | | MATCHING TREES. STRONG CENTRAL LEADER. |
| FAG GRA | 23 | FAGUS GRANDIFOLIA | AMERICAN BEECH | B&B | 3" | 14'-16' HT. | | MATCHING TREES. STRONG CENTRAL LEADER. |
| QOU NUT | 6 | QUERCUS NUTTALLII | NUTTALL OAK | B&B | 3" | 14'-16' HT. | | MATCHING TREES. STRONG CENTRAL LEADER. |
| QUE PHE | 27 | QUERCUS PHELLOS | WILLOW OAK | B&B | 3" | 14'-16' HT. | | MATCHING TREES. STRONG CENTRAL LEADER. |
| QUE SHU | 45 | QUERCUS SHUMARDII | SHUMARD RED OAK | B&B | 3" | 14'-16' HT. | | MATCHING TREES. STRONG CENTRAL LEADER. |
| THU G17 | 13 | THUJA OCCIDENTALIS 'GREEN GIANT' | GREEN GIANT ARBORVITAE | B&B | | 10' MIN | | MATCHING TREES. STRONG CENTRAL LEADER. FULL TO GROUND |
| ULM PRI | 11 | ULMUS AMERICANA 'PRINCETON' | AMERICAN ELM | B&B | 3" | 12'-14' HT | | MATCHING TREES. STRONG CENTRAL LEADER. |
| **SHRUBS** | **QTY** | **BOTANICAL NAME** | **COMMON NAME** | **CONT** | **HT** | **SPR** | | **REMARKS** |
| MUH CAP | 75 | MUHLENBERGIA CAPILLARIS 'PINK CLOUD' | PINK MUHLY | CONT. | 18"-24" | | | FULL PLANT |
| PAN HEA | 16 | PANICUM VIRGATUM 'HEAVY METAL' | BLUE SWITCH GRASS | CONT. | 24"-36" | | | FULL PLANT |
| RHA IND | 33 | RHAPHIOLEPIS INDICA | INDIAN HAWTHORN | CONT. | 24"-36" | | | FULL PLANT |
| TAX HIC | 15 | TAXUS X MEDIA 'HICKSII' | HICKS YEW | CONT. | 5-8' | | | FULL PLANT |
| **GROUND COVERS** | **QTY** | **BOTANICAL NAME** | **COMMON NAME** | **CONT** | | | **SPACING** | **REMARKS** |
| CYN TI3 | 214,044 SF | CYNODON DACTYLON 'TIF 419' | BERMUDA GRASS TIFFWAY 419 | SOD | | | | CERTIFIED GEORGIA BLUE TAG SOD CUT IN LARGE ROLLS PER SPECIFICATION |
| HEM HAP | 324 | HEMEROCALLIS X 'HAPPY RETURNS' | HAPPY RETURNS DAYLILY | 1 GAL | | | 18" o.c. | MATCHING PLANTS. |
| HYP PER | 4,667 | HYPERICUM PERFORATUM | ST. JOHN'S WORT | 6" POT | | | 18" o.c. | MATCHING PLANTS. |
| LIR BIG | 149 | LIRIOPE MUSCARI 'BIG BLUE' | BIG BLUE LILYTURF | 6" POT | | | 24" o.c. | MATCHING PLANTS. |
| CYN DAC | ALL DISTURBED | CYNODON DACTYLON | COMMON BERMUDA GRASS | | | | | HYDROSEED. APPLY AT 75 LBS/ ACRE |

City of Dunwoody Georgia
Community Development

4800 Ashford Dunwoody Road
Dunwoody, GA 30338
Phone: (678) 382-6800
dunwoodyga.gov

### Tree Removal Permit Application

*Applicability: The tree removal permit is established for tree removal occurring outside of a land development permit or substantial building permit on non-residential, mixed-use, and multi-family zoned lots. A tree removal permit is required for the removal of:*

*(1) Any hardwood with a diameter at breast height (DBH) of ten inches or greater;*
*(2) Softwoods with a DBH of 20 inches or greater; and/or*
*(3) Understory with a DBH of six inches or greater.*

**Property Owner**
Address of Proposed Tree Removal: | Lot Size (acres):
Owner's Name:
Owner's Address:
Phone: | Email:
Property Owner/Agent's permission to remove trees? ☐ Yes ☐ No

**Applicant**
Applicant's Name and/or Tree Service Company:
Applicant's Address:
Arborist Certification Number (If applicable):
Phone:
Email:

**Tree(s) to be Removed**

| Species: | Diameter*: | Reason for Proposed Tree Removal: |
|---|---|---|
| Tree #1: | | |
| Tree #2: | | |
| Tree #3: | | |
| Tree #4: | | |
| Tree #5: | | |
| Tree #6: | | |

*Please note the diameter for each tree should be given at 4.5' above ground.

***To deem complete, the following items shall be submitted with this application:***
1. *A site plan, or a detailed map sketch illustrating the species, approximate size, and location of each existing tree to be removed and preserved;*
2. *Picture of the tree(s) to be removed; and*
3. *Payment of the applicable tree removal permit fee as listed on the City of Dunwoody fee schedule.*

**In cases where the aforementioned information is not sufficient, the City Arborist may request additional information from the applicant (i.e. tree survey, tree replacement plan, and planting plan).*
*Is there a stream located on the property? (yes / no)*
*If yes, you may be required to submit a survey illustrating that the proposed tree removal is not in the City's 75' Stream Buffer.*

Tree Removal Application – December 2017

City of Dunwoody Georgia
Community Development

4800 Ashford Dunwoody Road
Dunwoody, GA 30346
Phone: (678) 382-6800
dunwoodyga.gov

**Authorized Signature**
*I understand that the City of Dunwoody's Tree Protection Ordinance requires that I maintain density units consistent with Section 16-109. I further attest that this documentation and statements included in this application are true and correct. If any information is found to be false or misrepresented, the permit will be deemed invalid.*
Applicant's Name: | Date:
Applicant's Signature:

**Staff** — Staff Only
Received by: | Parcel ID: | Date Received:
Permit Number: | Decision: | Date Issued:

**TREE DENSITY DATA TABLE**

| | |
|---|---|
| DENSITY UNITS REQUIRED (TDF) | 19.2 X 20 = **384 DENSITY UNITS** |
| REMAINING TREE FACTOR (RTF) | **(38 units per 10,000 sf impervious area)** based on 4 test areas at 2500 sf each **(3,178 RTF) for 19.2 acres** |
| REQUIRED REPLACEMENT DENSITY (RRD) | 0 |
| NET ZERO LOSS TREES REQUIRED | **163 TREES** |

***City responsible for purchase and installation of trees required by code requirements

Tree Removal Application – December 2017

LOSE DESIGN
SPACES FOR LIFE.

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REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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CONFORM SET 04-29-2019

SHEET TITLE
LANDSCAPE NOTES & SCHEDULES

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE NTS |
| CHECKED BY JG | |

SHEET NO.
L1.05

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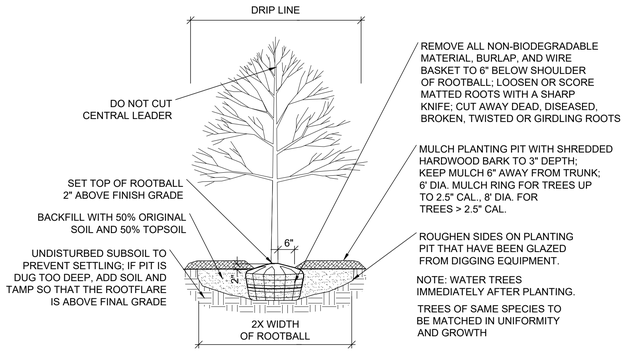
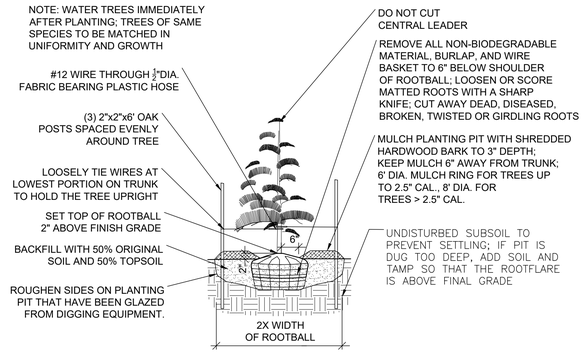
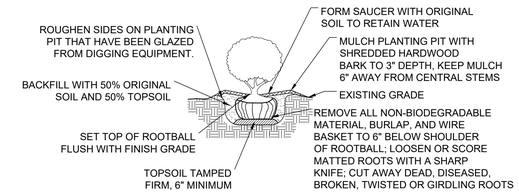


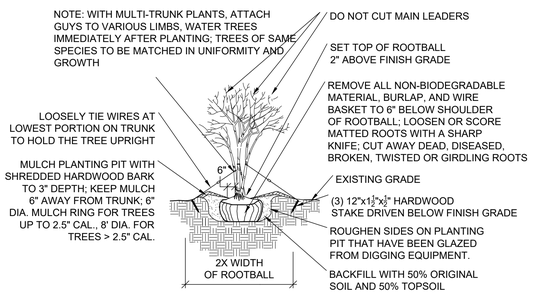

1 TYPICAL DECIDUOUS TREE PLANTING
NOT TO SCALE



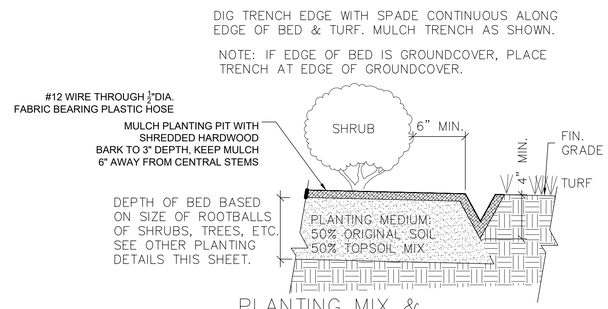

2 CONIFER TREE PLANTING
NOT TO SCALE




3 SHRUB PLANTING
NOT TO SCALE

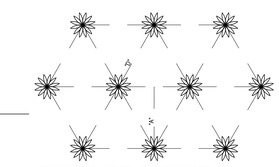



4 MULTI–TRUNKED TREE PLANTING
NOT TO SCALE




5 PLANTING MIX & TRENCH EDGE DETAIL
NOT TO SCALE

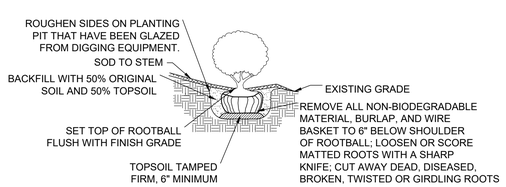
| SPACING "D" | ROW WIDTH "A" | NO. OF PLANTS/1 S.F. |
|---|---|---|
| 6" O.C. | 5.2" | 4.61 |
| 8" O.C. | 6.93" | 2.60 |
| 10" O.C. | 8.66" | 1.66 |
| 12" O.C. | 10.4" | 1.15 |
| 15" O.C. | 13.0" | .738 |
| 18" O.C. | 15.6" | .512 |
| 24" O.C. | 20.8" | .330 |




GROUNDCOVERS & BULBS TO BE PLANTED ON TRIANGULAR GRID.

* SEE PLANT LIST FOR REQUIRED SPACING *

6 GROUNDCOVER SPACING
NOT TO SCALE




7 SHRUB PLANTING IN SWALE
NOT TO SCALE

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS

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CONFORM SET 04-29-2019

SHEET TITLE
LANDSCAPE DETAILS

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE NTS |
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| SHEET NO. L1.06 | |

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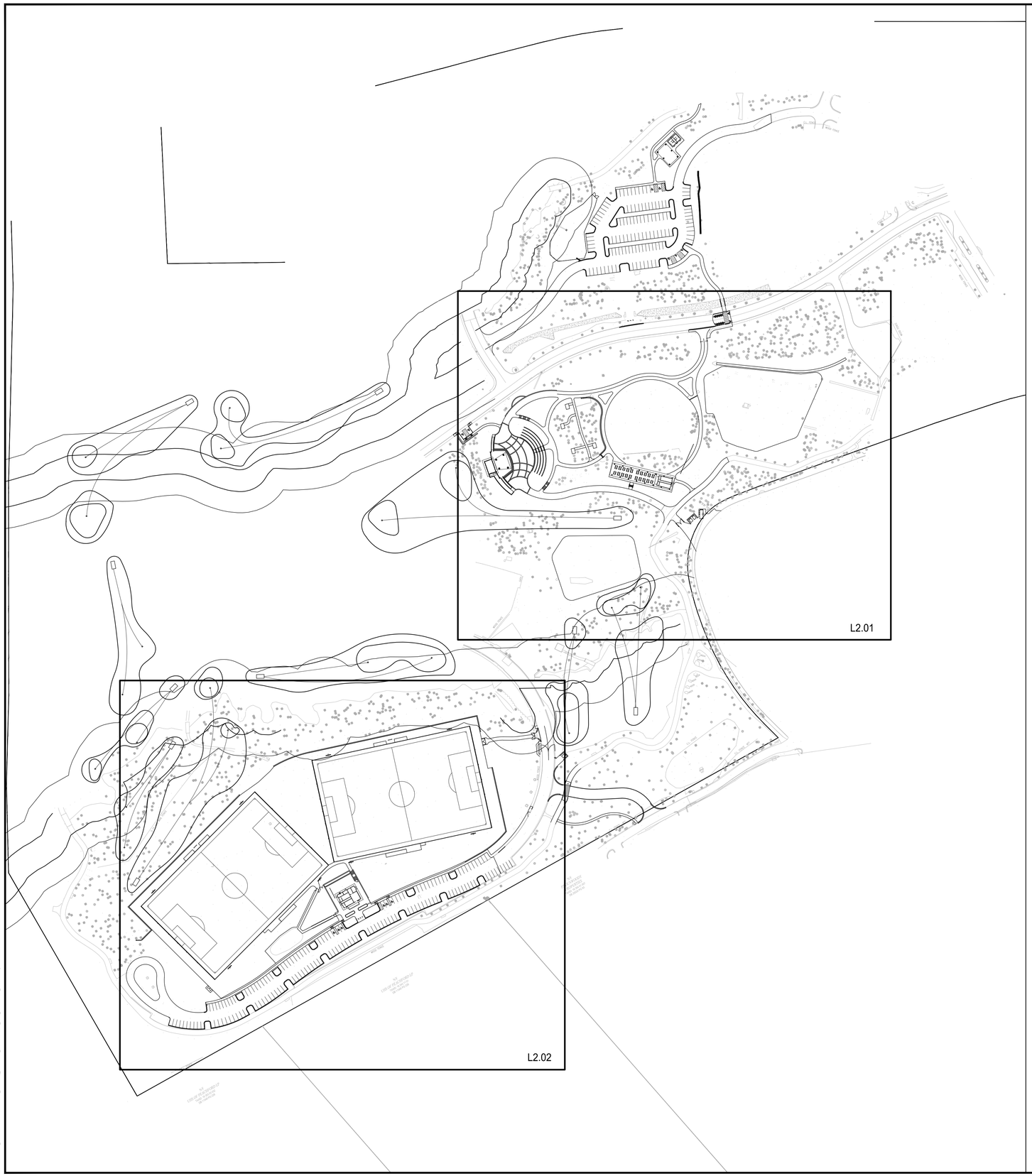


LIABILITY STATEMENT:

THE PURPOSE OF THIS IRRIGATION PLAN IS TO PROVIDE A PHYSICAL LAYOUT OF IRRIGATION EQUIPMENT TO ASSIST THE CONTRACTOR IN ACCURATELY ESTIMATING THE COSTS TO BID THE SPRINKLER SYSTEM. THE DESIGN INTENT IS TO PROVIDE THE CONTRACTOR WITH A DIAGRAMMATIC LAYOUT OF SPRINKLER EQUIPMENT, WHICH WILL PROVIDE ADEQUATE WATER COVERAGE FOR THE LANDSCAPE MATERIALS WITHIN THE SCOPE OF WORK UNDER THIS CONTRACT. THESE PLANS AND THE MATERIAL'S SPECIFIED ARE SUBJECT TO CHANGE WITHOUT NOTICE TO THE CONTRACTOR. PRIOR TO BIDDING THIS CONTRACT THE CONTRACTOR WILL VERIFY ALL IRRIGATION MATERIAL MODEL NUMBERS, DIMENSIONS, COMPATIBILITY OF COMPONENT ASSEMBLIES, MAINLINE AND ZONE HYDRAULICS, ELECTRICAL COMPONENTS, WIRING, ALL SLEEVES, WATER AND ELECTRICAL SOURCE'S, PRESSURE AND APPLICABLE SITE CONDITIONS, WHICH MAY ADVERSELY AFFECT EITHER THE COST OR PERFORMANCE OF THIS SPRINKLER SYSTEM. IF A CONFLICT IS FOUND THE CONTRACTOR WILL NOTIFY THE OWNER IN WRITING AND WILL NOT BID THE WORK UNTIL THE OWNER HAS RESOLVED THE CONFLICT AND ISSUED IN WRITING A "NOTICE TO PROCEED". IF A CONFLICT IS FOUND AFTER THE CONTRACT HAS BEEN SIGNED THE CONTRACTOR WILL RESOLVE THE CONFLICT AT HIS OWN EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER. CHANGE ORDERS WILL NOT BE ACCEPTED FROM THE CONTRACTOR TO INCREASE THE CONTRACT AMOUNT AFTER THE CONTRACT HAS BEEN SIGNED FOR THE AREA WITHIN THE SCOPE OF WORK UNDER THIS CONTRACT. SLEEVING MAY OR MAY NOT BE SHOWN OR CALLED OUT ON THESE PLANS, IT REMAINS THE RESPONSIBLE OF THE CONTRACTOR TO INSTALL ALL SLEEVES NECESSARY WHEREVER THEY MAY BE REQUIRED.
THE IRRIGATION MATERIALS USED ON THIS PLAN HAVE BEEN CAREFULLY SELECTED FOR QUALITY, DURABILITY, AND LONGEVITY AND HAVE BEEN HYDRAULICALLY ENGINEERED INTO THIS PROJECT. CONSEQUENTLY THESE MATERIALS ARE NOT SUBJECT TO CHANGE WITHOUT WRITTEN APPROVAL FROM THE OWNER. PRIOR TO STARTING THE WORK THE CONTRACTOR WILL SUBMIT TO THE OWNER A CATALOG CUT SHEET, DESCRIPTION, QUANTITY AND COST OF EACH ITEM TO BE INSTALLED. THE CONTRACTOR WILL NOT START THE WORK UNTIL THE OWNER HAS APPROVED THE MATERIAL LIST AND ISSUED A WRITTEN "NOTICE TO PROCEED". THE CONTRACTOR MAY SUBMIT A WRITTEN REQUEST TO THE OWNER FOR A "MATERIAL SUBSTITUTION" IF A PRODUCT HAS BECOME OBSOLETE OR HAS A LEAD TIME THAT WILL DELAY THE PROJECT. THE CONTRACTOR WILL INCLUDE IN THE "REQUEST FOR MATERIAL SUBSTITUTION" THE COST OF THE ITEM SPECIFIED WITH THE COST OF THE ITEM BEING REQUESTED FOR SUBSTITUTION. IF THE COST OF THE PROPOSED ITEM FOR SUBSTITUTION IS LESS THAN THE ITEM SPECIFIED THE CONTRACTOR WILL DEDUCT THAT AMOUNT FROM THE CONTRACT. IF THE COST OF THE PROPOSED ITEM FOR SUBSTITUTION IS MORE THAN THE ITEM SPECIFIED THE CONTRACTOR MAY SUBSTITUTE THE ITEM AT NO ADDITIONAL EXPENSE OR COST TO THE OWNER. THE INTENT IS, THE CONTRACTOR WILL NOT BE ALLOWED TO MAKE HIGHER PROFITS BY SUBSTITUTING INFERIOR OR LESS EXPENSIVE PRODUCTS. PRIOR TO COMPLETION OF THE WORK THE CONTRACTOR WILL TURNOVER TO THE OWNER ALL "ORIGINAL INVOICE'S" SO THE OWNER CAN VERIFY THE "DATE OF PURCHASE" TO VALIDATE THE WARRANTEE TIME LIMIT. PRODUCTS INSTALLED THAT WERE NOT APPROVED BY THE OWNER OR ON THE ORIGINAL PLANS WILL BE ORDERED REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER; FINAL PAYMENT MAY BE WITHHELD UNTIL ALL PRODUCTS SPECIFIED HAVE BEEN PROPERLY INSTALLED.

## IRRIGATION NOTES

1. ALL MAINLINES TO HAVE A MINIMUM OF 18" COVER AS SPECIFIED IN PROJECT MANUAL.
2. ALL LATERAL PIPE TO HAVE A MINIMUM OF 18" COVER.
3. NO ROCKS, BOULDER, OR OTHER EXTRANEOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
4. ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS' SPECIFICATIONS.
5. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
6. ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
7. SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S SPECS.
8. ALL ELECTRICAL JOINTS TO BE MADE USING WATERPROOF CONNECTIONS AS SHOWN ON DETAILS.
9. ALL EQUIPMENT NOT SPECIFIED IN THE LEGEND SHALL BE DETERMINED AND FURNISHED BY THE CONTRACTOR.
10. NO ELECTRICAL CONNECTIONS SHALL BE MADE IN THE FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS. USE A DBY OR DBR SPLICE.
11. QUANTITIES SHOWN IN COMPONENTS LIST ARE TO BE VERIFIED BY CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFFS. ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET MUST BE REFERRED TO THE IRRIGATION CONSULTANT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PRECEDING WITH THE WORK.
12. ALL 24 VOLT WIRE SHALL BE #12 UF/UL FOR COMMON WIRE, AND #14 UF/UL FOR CONTROL WIRES, DIRECT BURIAL, SOLID COPPER.
13. CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OF AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
14. CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING, i.e. VERIFY ROOT BALL SIZE FOR PLANTING.
15. CONTRACTOR SHALL PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX. LEAVE TWENTY-FOUR (24) INCH LOOP OF WIRE AT EACH VALVE.
16. CONTRACTOR TO UTILIZE INSTALLATION MANUAL DRAIN VALVES ALONG MAIN AND LATERAL LINES AND LOW POINTS
17. ALL SPRINKLERS TO BE MOUNTED ON SWING JOINTS – REFER TO DETAILS.
18. CONTRACTOR SHALL INSTALL A SEPARATE COMMON FOR EACH CONTROLLER.
19. 24 VOLT WIRE SHALL BE COLOR CODED; COMMON-WHITE, CONTROL-RED.
20. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDED GROUNDING EQUIPMENT FOR POWER SUPPLY AND VALVE OUTPUT WITH (2) 5/8" COPPER CLAD GROUND RODS.
21. CONTRACTOR SHALL INSTALL GROUND AND LIGHTING PROTECTION AS CALLED FOR BY SPECIFICATIONS AND MANUFACTURER.
22. ALL MATERIAL TO BE SUPPLIED BY CONTRACTOR TO OWNER:
    A. TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEADS AND VALVE SUPPLIED.
    B. FOUR KEYS FOR EACH OF THE AUTOMATIC CONTROLLERS.
    C. TWO QUICK COUPLER KEYS WITH MATCHING HOSE SWIVELS.
23. SYSTEM IS DIAGRAMMATIC TO IMPROVE CLARITY. ALL MAINLINE PIPING ELECTRIC VALVES AND WIRING ARE TO BE INSTALLED IN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARIES. CONTRACTOR SHALL REFERENCE THE LANDSCAPE PLAN PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONTACT WITH PLANT MATERIALS EXISTING OR NEW.
24. CONTRACTOR TO ADD EXTENSION RISER TO POP-UP HEADS WHEN NEEDED FOR PROPER COVERAGE.
25. CONTRACTOR SHALL INSTALL SPRINKLER EQUIPMENT 12" FROM FOUNDATIONS. ALSO INSTALL SPRINKLERS 4" FROM CURB OR WALKS..
26. IRRIGATION CONTRACTOR SHALL INSTALL ONE EXTRA ORANGE WIRE TO EACH AREA WITH TWO OR MORE ZONE VALVES, AND INSTALL TWO EXTRA ORANGE WIRES TO EACH AREA WITH 6 OR MORE ZONE VALVES FROM CONTROLLER TO VALVE GROUPING
27. IRRIGATION CONTRACTOR RESPONSIBLE FOR IRRIGATION MAINLINE FROM POINT OF CONNECTION TO ALL VALVES. MAINLINE PIPING 4" AND LARGER WILL BE EQUIPPED WITH GASKETS.
28. ALL FITTINGS FOR MAINLINE PIPES 4" AND LARGER WILL BE HARCO DUCTILE IRON GASKETED FITTINGS OR APPROVED EQUAL FOR USE WITH PVC.
29. PLACE TRACE WIRES ON ALL MAIN TRENCHES NOT RECEIVING CONTROL WIRES.

GENERAL IRRIGATION NOTES:

1. UNDERGROUND UTILITIES;
   A. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG CALL 811
   B. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES TO REMAIN.

2. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS TO INSURE THAT THE NEW WORK SHALL FIT INTO THE EXISTING SITE IN THE MANNER INTENDED AND AS SHOWN ON THE DRAWINGS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO PERFORMING ANY WORK IN THE AREA INVOLVING DIFFERENCES. NOTIFICATION SHALL BE MADE IN THE FORM OF A DRAWING OR SKETCH INDICATING FIELD MEASUREMENTS AND NOTES RELATING TO THE AREA.

3 THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PROCURING ALL NECESSARY PERMITS TO COMPLETE INSTALLATION OF THE IRRIGATION SYSTEM.

4. ALL WORK IS TO MEET ALL STATE AND LOCAL CODES.

5. CONTRACTOR IS TO VERIFY ALL QUANTITIES SHOWN ON PLAN AND IN LIST. IF DISCREPANCIES OCCUR, CONTRACTOR IS TO CONTACT LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.

6. THE IRRIGATION CONTRACTOR WILL BE HELD FINANCIALLY LIABLE FOR ANY DAMAGE CAUSED TO NEWLY POURED CONCRETE DRIVES, CURBING, OR SIDEWALKS BY THE INSTALLATION OF THE IRRIGATION SYSTEM.

NOTES:

1. CONTRACTOR TO UTILIZE A AUTOMATIC DRAIN CHECK VALVE DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR. INSTALL IN VALVE BOX W/ 12" LOOSE GRAVEL FOR DRAINAGE.

2. ALL PIPING AND WIRING UNDER LIGHT DUTY CONCRETE OR ASPHALTIC PAVING WILL BE IN SCH. 40 PVC PIPE SLEEVE OR STRONGER. SLEEVES UNDER HEAVY DUTY CONCRETE OR HEAVY DUTY ASPHALTIC PAVING SHALL BE SCH 80 PVC. SEE PLANS FOR SIZE. SEE DETAIL FOR INSTALLATION REQUIREMENTS.

3. IRRIGATION CONTRACTOR SHALL HEAT BRAND VALVE IDENTIFICATIONS NUMBER ON ALL VALVE BOXES.

0 120 240 360

SCALE: 1" = 120 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

# BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

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CONFORM SET 04-29-2019

SHEET TITLE

IRRIGATION PLAN KEY SHEET

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY MB | |
| SHEET NO. L2.00 | |

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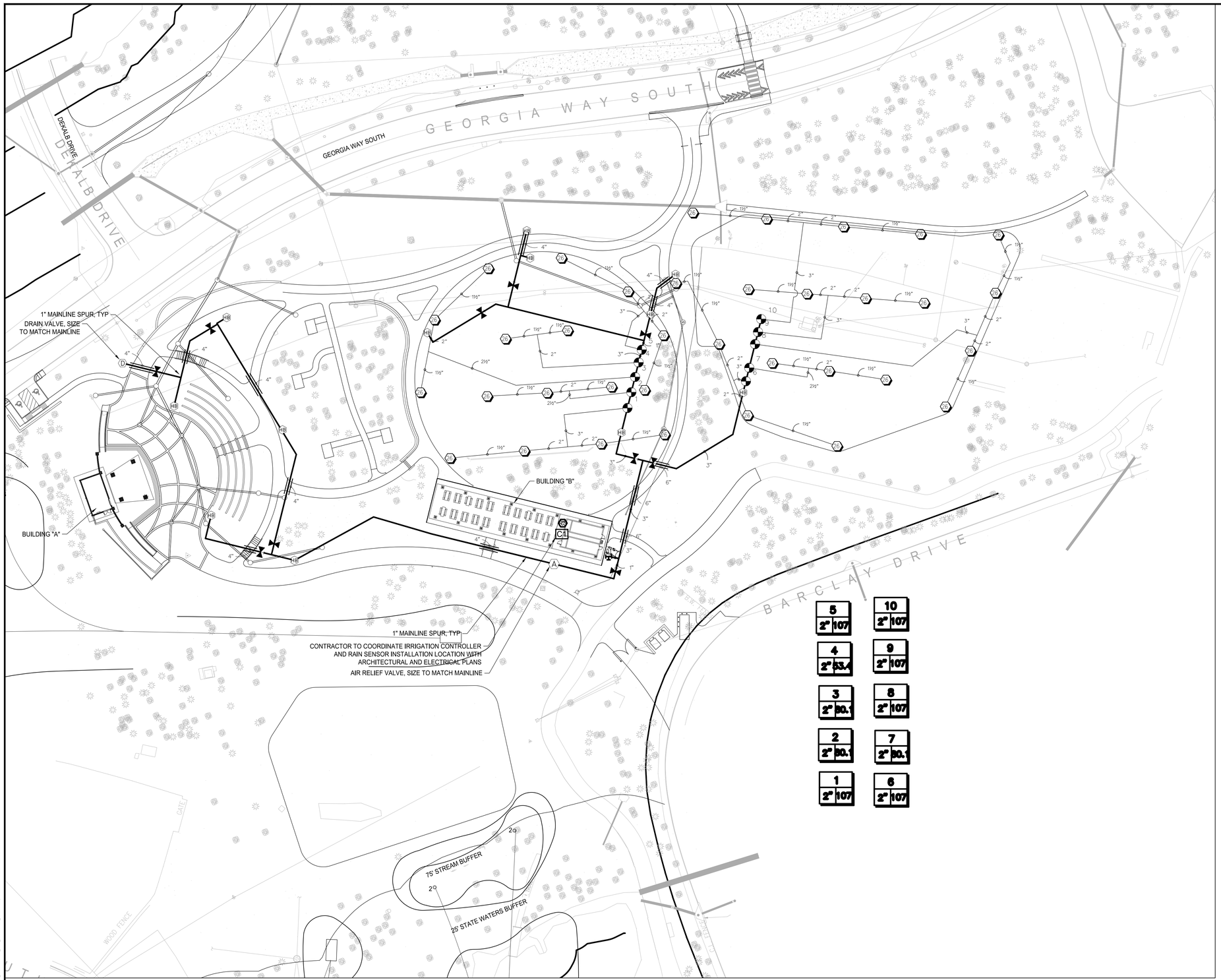


# IRRIGATION LEGEND

PVC CLASS 200 MAINLINE SIZE AS NOTED.

(main feeder lateral, back to valve, upsize where noted).

PVC CLASS 200 LATERAL LINE ONLY LATERAL TRANSITION PIPE SIZES 1 1/2" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 1" IN SIZE

3 — ZONE
1" 10 — GPM
VALVE SIZE

4" MIN. SLEEVES UNDER DRIVEWAYS, ROADWAYS OR PAVED PARKING SHALL BE PVC SCH 80, ALL OTHER SLEEVES SHALL BE PVC SCH 40 UNLESS OTHERWISE NOTED ON PLANS. SEE DETAIL FOR INSTALLATION REQUIREMENTS.

NOTE: IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COORDINATING SLEEVE SIZE, MATERIAL AND INSTALLATION WITH GENERAL CONTRACTOR.

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

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| CHECKED BY MB | |

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L2.01

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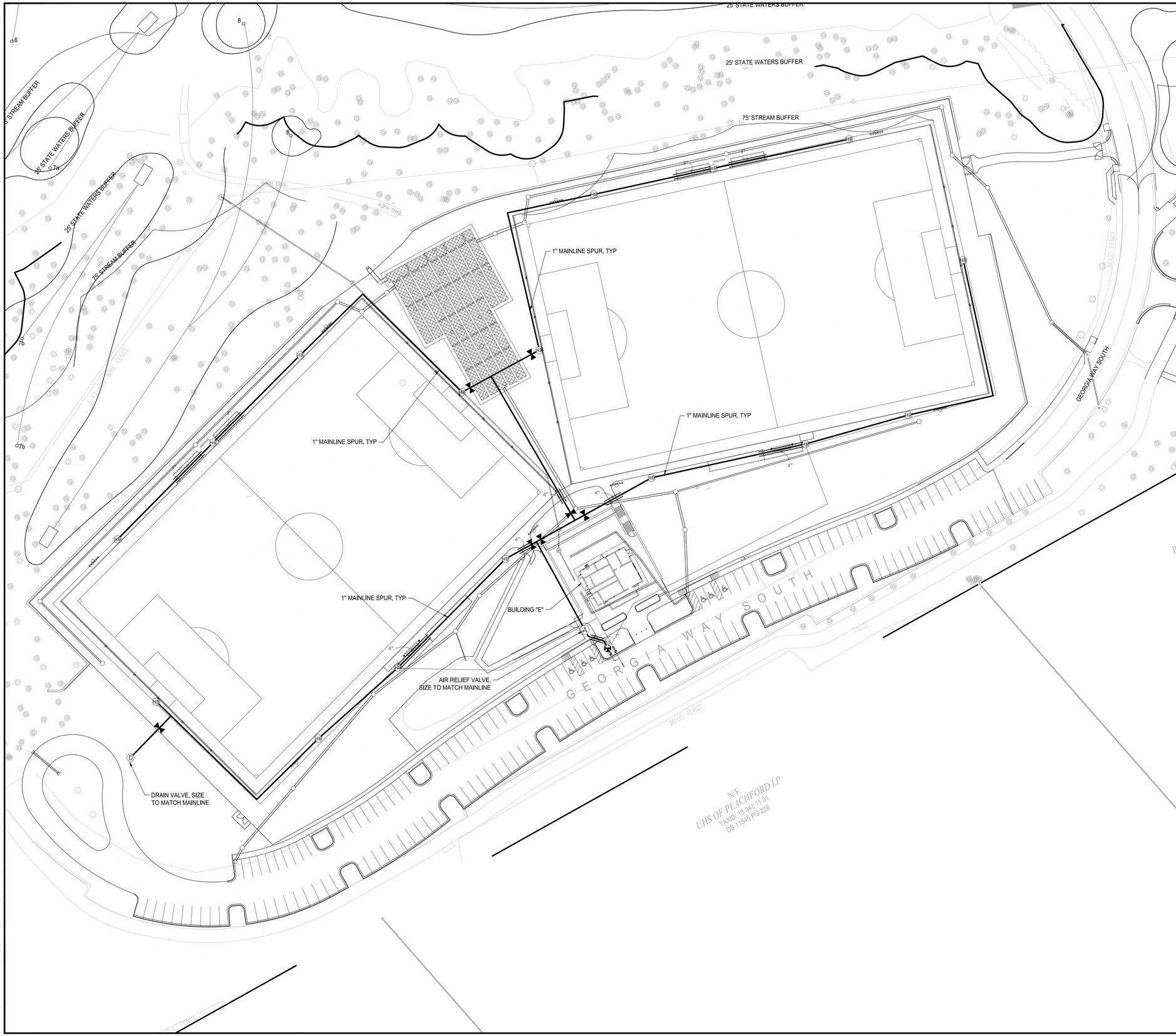


# IRRIGATION LEGEND

PVC CLASS 200 MAINLINE SIZE AS NOTED.

PVC CLASS 200 LATERAL LINE ONLY LATERAL TRANSITION PIPE SIZES 1 1/2" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 1" IN SIZE

(main feeder lateral, back to valve, upsize where noted).

3 — ZONE
1" 10 — GPM
VALVE SIZE

4" MIN. SLEEVES UNDER DRIVEWAYS, ROADWAYS OR PAVED PARKING SHALL BE PVC SCH 80. ALL OTHER SLEEVES SHALL BE PVC SCH 40 UNLESS OTHERWISE NOTED ON PLANS. SEE DETAIL FOR INSTALLATION REQUIREMENTS.

NOTE: IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COORDINATING SLEEVE SIZE, MATERIAL AND INSTALLATION WITH GENERAL CONTRACTOR.

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 14/19 AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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CONFORM SET 04-29-2019

SHEET TITLE

IRRIGATION PLAN

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY MB | |
| SHEET NO. L2.02 | |

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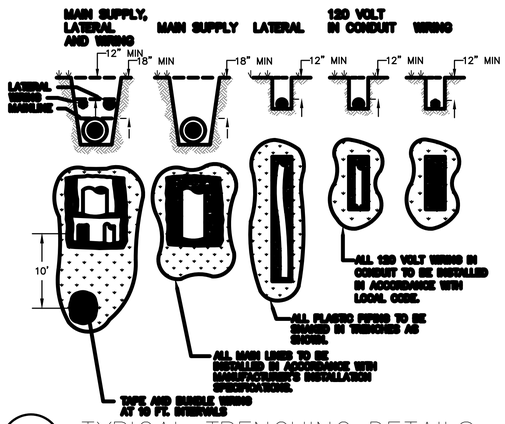
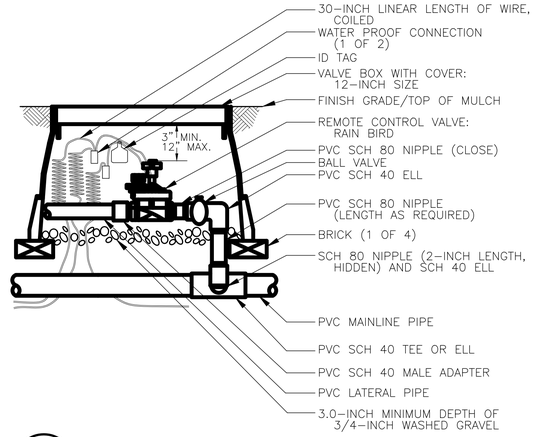
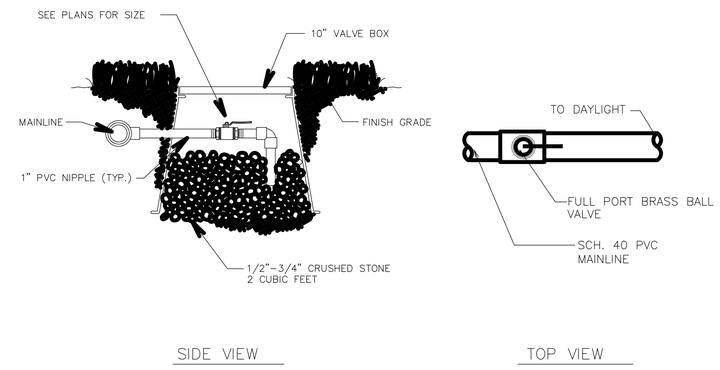


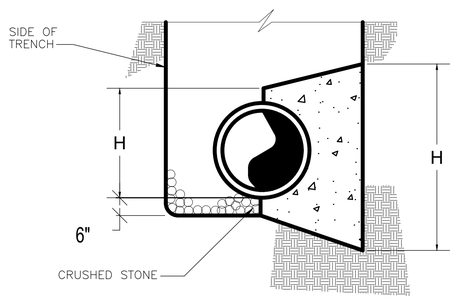

1 TYPICAL TRENCHING DETAILS
NOT TO SCALE




2 REMOTE CONTROL VALVE
NOT TO SCALE




3 MANUAL DRAIN VALVE
NOT TO SCALE

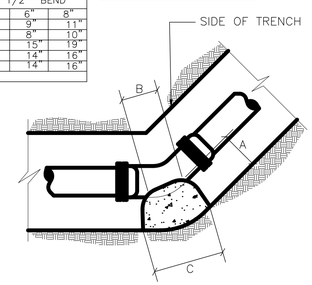



NOTE: THRUST BLOCK TO BE POURED AGAINST UNDISTURBED EARTH.

| 45° BEND | | | |
|---|---|---|---|
| SIZE | 4" | 6" | 8" |
| A | 9" | 9" | 11" |
| B | 6" | 8" | 10" |
| C | 24" | 26" | 32" |
| H-1 | 12" | 14" | 16" |
| H-2 | 12" | 14" | 26" |

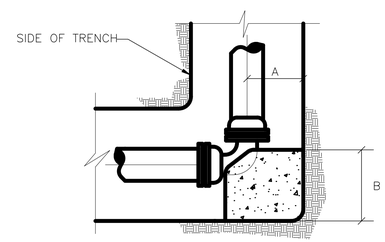
| 22 1/2° BEND | | | |
|---|---|---|---|
| | 4" | 6" | 8" |
| A | 9" | 9" | 11" |
| B | 6" | 8" | 10" |
| C | 13" | 15" | 19" |
| H-1 | 12" | 14" | 16" |
| H-2 | 12" | 14" | 16" |

| 11 1/2° BEND | | | |
|---|---|---|---|
| SIZE | 4" | 6" | 8" |
| A | 9" | 9" | 11" |
| B | 6" | 8" | 10" |
| C | 9.5" | 11.5" | 12.5 |
| H-1 | 12" | 14" | 16" |
| H-2 | 12" | 14" | 16" |



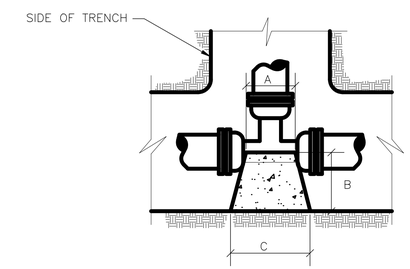

45° BEND-22\° BEND-11|° BEND

| 90° BEND | | | |
|---|---|---|---|
| SIZE | 4" | 6" | 8" |
| A | 9" | 9" | 11" |
| B | 12.5" | 14" | 17" |
| H-1 | 12" | 12" | 30" |
| H-2 | 12" | 17" | 20" |



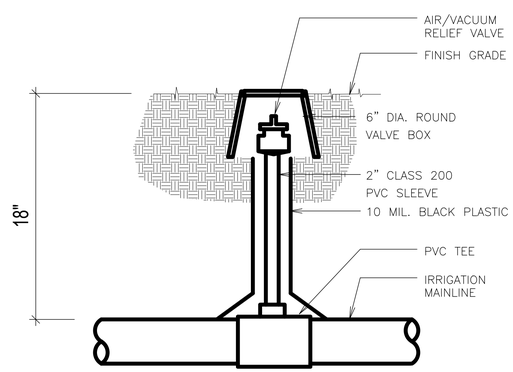

90° BEND

| TEE | | | |
|---|---|---|---|
| SIZE | 4" | 6" | 8" |
| A | 10" | 13" | 15" |
| B | 9" | 9" | 14" |
| C | 15" | 20" | 24" |
| H-1 | 12" | 14" | 20" |
| H-2 | 12" | 14" | 20" |



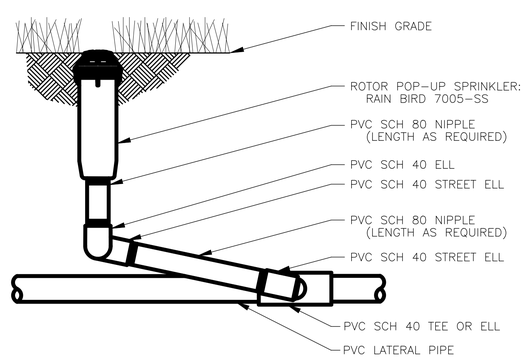

TEE

4 TYPICAL CONC. THRUST BLOCK
NOT TO SCALE

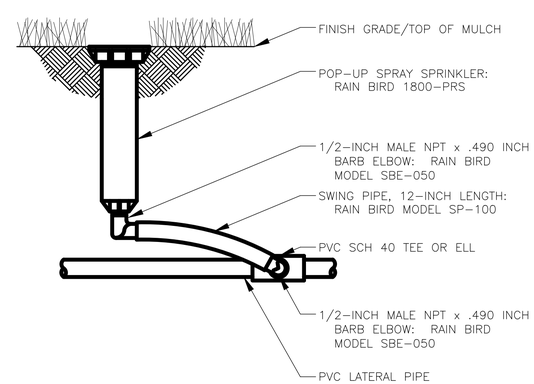



INCLUDE ONE AIR/VACUUM RELIEF VALVE PER 1000 LINEAR FEET OF MAINLINE.
LOCATE NEAR HIGH POINTS OF MAINLINE.

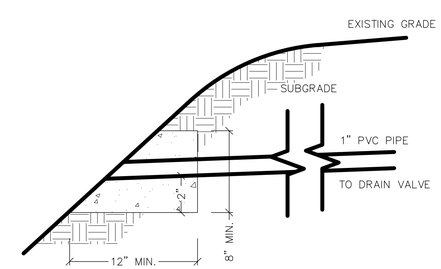
5 AIR/VACUUM RELIEF VALVE
NOT TO SCALE




6 ROTOR POP-UP SPRINKLER
NOT TO SCALE




7 POP-UP SPRAY SPRINKLER
NOT TO SCALE




8 COLLAR DETAIL
NOT TO SCALE

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

| SUBMITTALS / REVISIONS | |
|---|---|
| NO. DATE | DESCRIPTION |
| | |
| CONFORM SET 04-29-2019 | |

SHEET TITLE
IRRIGATION DETAILS

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY MB | |
| SHEET NO. L2.03 | |

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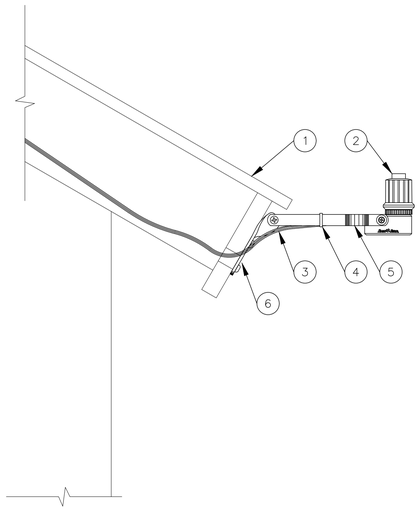
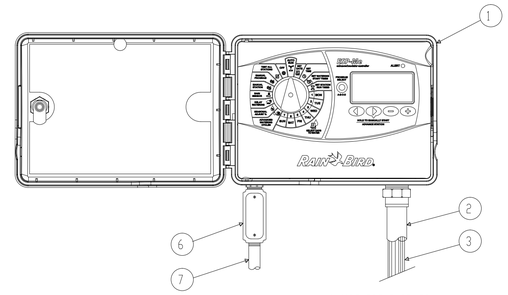
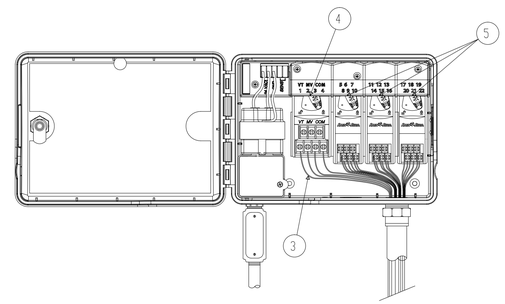



1. EAVE OF BUILDING
2. RAIN SENSOR: RAIN BIRD RSD-BEx
3. WIRE TO IRRIGATION CONTROLLER
4. PLASTIC TIE DOWN STRAP
6. FASCIA PENETRATION

## 1 RAIN SENSOR INSTALLATION
NOT TO SCALE




INSIDE FRONT COVER

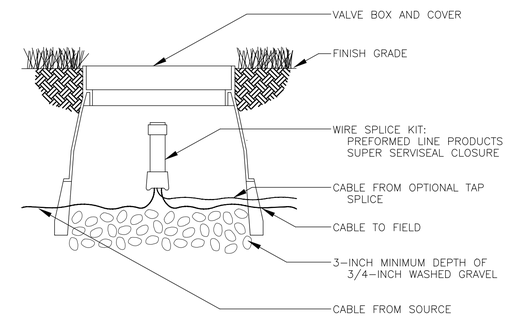



INSIDE CONTROLLER CHASSIS

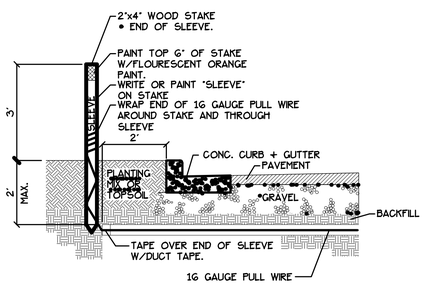
GENERAL NOTES:

1. MODULAR HYBRID CONTROLLER: RAIN BIRD ESP4ME OUTSIDE WALL MOUNT
2. 1-INCH PVC SCH 40 CONDUIT AND FITTINGS
3. WIRES TO REMOTE CONTROL VALVES
4. STANDARD MODULE FOR 4-STATION CONTROLLER
5. OPTIONAL MODULES FOR 22-STATION CONTROLLER
6. JUNCTION BOX
7. 1/2-INCH PVC SCH 40 CONDUIT TO POWER SUPPLY

## 2 CONTROLLER INSTALLATION
NOT TO SCALE




## 3 WIRE SPLICE
NOT TO SCALE




NOTE: ALL SLEEVES TO EXTEND 2' BEYOND BACK OF CURB ON EACH END

NO 90 OR 45 COUPLINGS TO BE USED ON SLEEVES.

SLEEVES MUST BE STRAIGHT TO ALLOW PIPE TO BE INSERTED BY IRRIGATION CONTRACTOR.

SLEEVES NOT INSTALLED AT PROPER DEPTH WILL BE REINSTALLED TO CONFORM TO DETAIL

CONTRACTOR TO VERIFY SLEEVE INTEGRITY PRIOR TO FINAL PAVING.

## 4 IRRIGATION SLEEVING DETAIL
NOT TO SCALE

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA
LA001872
1/4/19
LANDSCAPE ARCHITECT
AARON J. ST PIERRE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
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CONFORM SET 04-29-2019

SHEET TITLE

IRRIGATION DETAILS

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|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY MB | |

SHEET NO.

L2.04

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## IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | GPM | RADIUS |
|---|---|---|---|---|---|
| 26 | RAIN BIRD 8005-SS TURF ROTOR, 5.0" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE. WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE. 1" (26/34) NPT FEMALE THREADED INLET. EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS. | 35 | 60 | 26.7 | 65' |

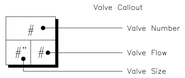
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
|---|---|---|
| | RAIN BIRD PGA-PRS-D ANGLE 1", 1-1/2", 2" ELECTRIC REMOTE CONTROL VALVE, ANGLE. WITH PRESSURE REGULATOR MODULE. | 10 |
| HB | HOSE BIBB SET IN LOCKABLE UNDERGROUND BOX. | 28 |
| | SHUT OFF VALVE SIZE TO MATCH MAINLINE | 17 |
| A | AIR RELIEF VALVE SIZE TO MATCH MAINLINE | 2 |
| D | DRAIN VALVE SIZE TO MATCH MAINLINE | 2 |
| C1 | RAIN BIRD ESP4ME WITH (2) ESP-SM3 10 STATION, HYBRID MODULAR OUTDOOR CONTROLLER. FOR RESIDENTIAL OR LIGHT COMMERCIAL APPLICATIONS. | 1 |
| RS | RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE. | 1 |

IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21

IRRIGATION MAINLINE: PVC CLASS 200 SDR 21

PIPE SLEEVE: PVC SCHEDULE 40

Valve Callout




## VALVE SCHEDULE

| NUMBER | MODEL | SIZE | TYPE | GPM | DESIGN PSI | PSI | PSI @ POC | PRECIP |
|---|---|---|---|---|---|---|---|---|
| 1 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 106.80 | 60 | 65.92 | 67.47 | 2.11 in/h |
| 2 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 80.10 | 60 | 63.94 | 64.93 | 0.70 in/h |
| 3 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 80.10 | 60 | 66.16 | 67.22 | 1.49 in/h |
| 4 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 53.40 | 60 | 63.38 | 63.92 | 0.73 in/h |
| 5 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 106.80 | 60 | 65.34 | 67.39 | 1.48 in/h |
| 6 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 106.80 | 60 | 65.42 | 67.64 | 1.36 in/h |
| 7 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 80.10 | 60 | 63.85 | 65.22 | 0.66 in/h |
| 8 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 106.80 | 60 | 67.03 | 69.57 | 1.54 in/h |
| 9 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 106.80 | 60 | 65.69 | 68.33 | 0.67 in/h |
| 10 | RAIN BIRD PGA-PRS-D ANGLE | 2" | TURF ROTOR | 106.80 | 60 | 66.15 | 68.90 | 1.39 in/h |

## CRITICAL ANALYSIS

Generated: 2018-12-17 14:23

P.O.C. NUMBER: 01
Water Source Information: See water plans for additional information.

FLOW AVAILABLE
Point of Connection Size: 3"
Flow Available: 181.61 gpm

PRESSURE AVAILABLE
Static Pressure at POC: 100.00 psi
Pressure Available: 100.00 psi

DESIGN ANALYSIS
Maximum Station Flow: 106.80 gpm
Flow Available at POC: 181.61 gpm
Residual Flow Available: 74.81 gpm

Critical Station: 8
Design Pressure: 60.00 psi
Friction Loss: 3.22 psi
Fittings Loss: 0.32 psi
Elevation Loss: 0.00 psi
Loss through Valve: 3.49 psi
Pressure Req. at Critical Station: 67.03 psi
Loss for Fittings: 0.23 psi
Loss for Main Line: 2.31 psi
Loss for POC to Valve Elevation: 0.00 psi
Loss for Backflow: 0.00 psi
Critical Station Pressure at POC: 69.57 psi
Pressure Available: 100.00 psi
Residual Pressure Available: 30.43 psi

## WATERING SCHEDULE

| NUMBER | MODEL | TYPE | PRECIP | SUN | MON | TUE | WED | THU | FRI | SAT | IN./WEEK | MIN./WEEK | GAL./WEEK | GAL./DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 2.11 in/h | | 7 min | 7 min | 7 min | 7 min | 7 min | | 1.20 | 35 | 3,738 | 747.6 |
| 2 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 0.70 in/h | | 21 min | 21 min | 21 min | 21 min | 21 min | | 1.20 | 103 | 8,250 | 1,650 |
| 3 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 1.49 in/h | | 10 min | 10 min | 10 min | 10 min | 10 min | | 1.20 | 49 | 3,925 | 785.0 |
| 4 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 0.73 in/h | | 20 min | 20 min | 20 min | 20 min | 20 min | | 1.20 | 99 | 5,287 | 1,057 |
| 5 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 1.48 in/h | | 10 min | 10 min | 10 min | 10 min | 10 min | | 1.20 | 49 | 5,233 | 1,047 |
| 6 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 1.36 in/h | | 11 min | 11 min | 11 min | 11 min | 11 min | | 1.20 | 53 | 5,660 | 1,132 |
| 7 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 0.66 in/h | | 22 min | 22 min | 22 min | 22 min | 22 min | | 1.20 | 109 | 8,731 | 1,746 |
| 8 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 1.54 in/h | | 10 min | 10 min | 10 min | 10 min | 10 min | | 1.20 | 47 | 5,020 | 1,004 |
| 9 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 0.67 in/h | | 22 min | 22 min | 22 min | 22 min | 22 min | | 1.20 | 107 | 11,428 | 2,286 |
| 10 | RAIN BIRD PGA-PRS-D ANGLE | TURF ROTOR | 1.39 in/h | | 11 min | 11 min | 11 min | 11 min | 11 min | | 1.20 | 52 | 5,554 | 1,111 |
| | | TOTALS: | | | 144 | 144 | 144 | 144 | 144 | | | 703 | 62,825 | 12,565 |

LOSE DESIGN
SPACES FOR LIFE.

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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS

| NO. | DATE | DESCRIPTION |
|---|---|---|
| - | - | - |
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| - | - | - |
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| - | - | - |
| - | - | - |

CONFORM SET 04-29-2019

SHEET TITLE

IRRIGATION SCHEDULES

| | |
|---|---|
| PROJECT NO. 17302 | DATE 01-04-2019 |
| DRAWN BY TF | SCALE 1"=40' |
| CHECKED BY MB | |

SHEET NO.

L2.05

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