95% DESIGN DEVELOPMENT

BROOK RUN PARK IMPROVEMENTS

SITE DEVELOPMENT PLANS

PREPARED FOR:
CITY OF DUNWOODY

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

LOSE DESIGN
SPACES FOR LIFE.

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

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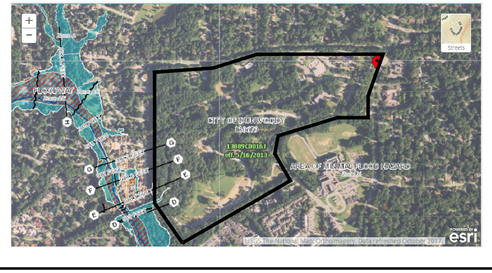
SITE DATA TABLE

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

DESIGNER

LOSE DESIGN
LANDSCAPE ARCHITECTURE/ARCHITECTURE/CIVIL ENGINEERING/PLANNING

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LAWRENCEVILLE, GEORGIA 30046
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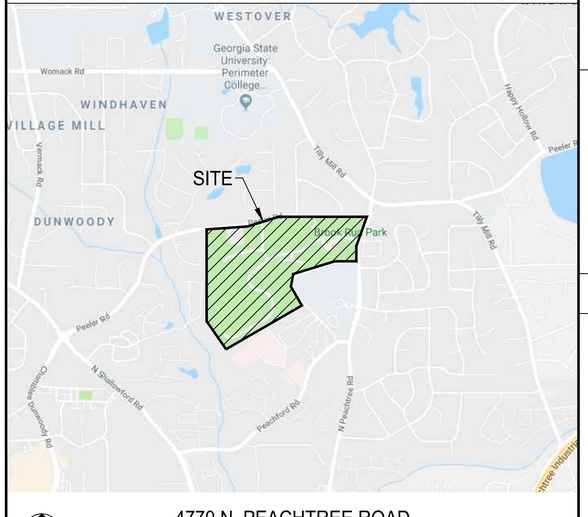
LOCATION MAP



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.

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE
COVER

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

SHEET NO.
C0.00

O:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C000_SITE_COVER_SERIES.dwg - Printed on 2019-01-03 at 6:13:35 PM.

ABBREVIATIONS

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

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

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.

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.

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.

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.

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.

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.

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.

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.

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 LANDSCAPE ARCHITECT LA001672 14/19 AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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ISSUE FOR PERMIT	

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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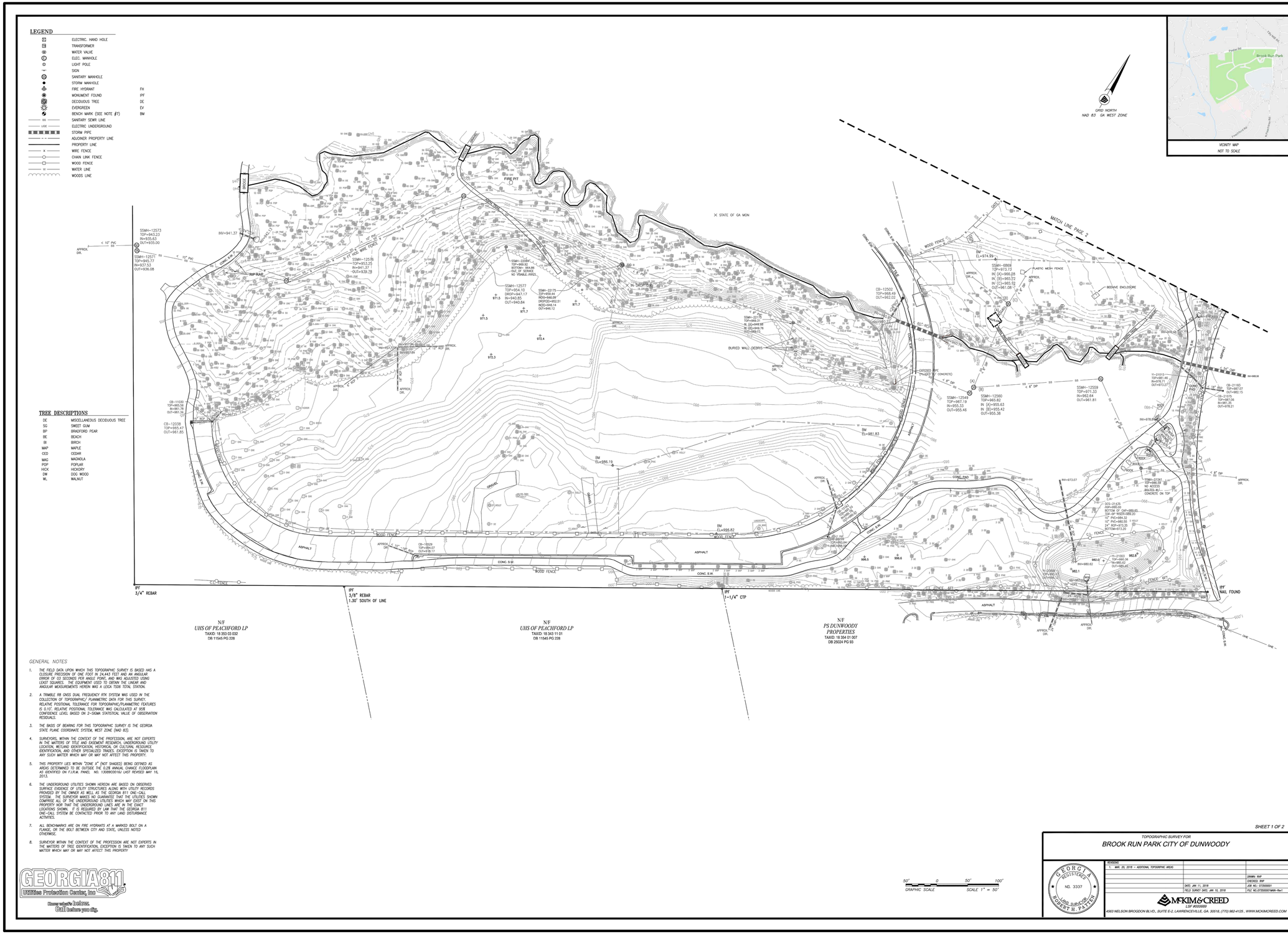
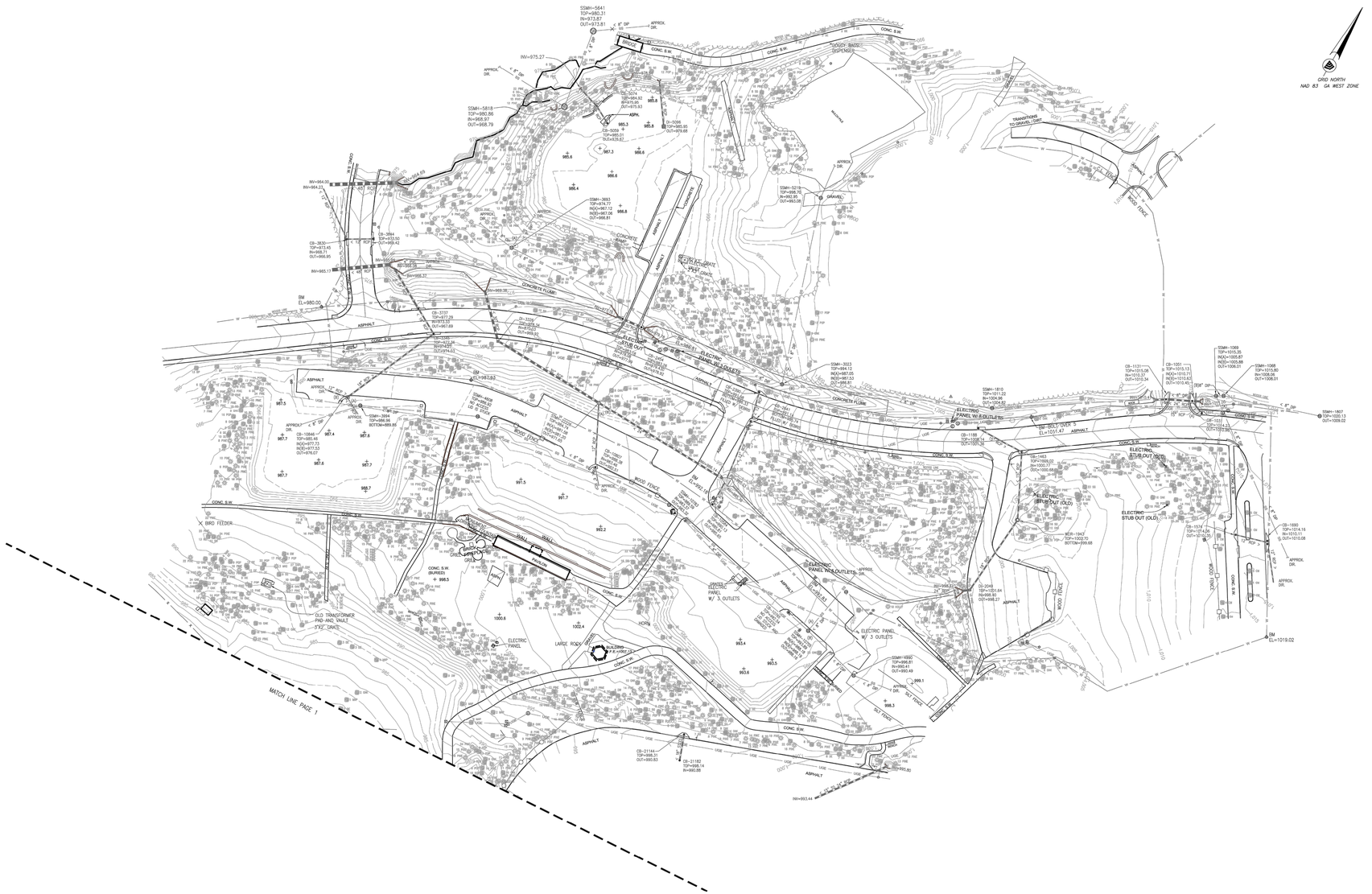

LEGEND
ELECTRIC HAND HOLE
TRANSFORMER
WATER VALVE
ELEC. MANHOLE
LIGHT POLE
SIGN
SANITARY MANHOLE
STORM MANHOLE
FIRE HYDRANT FH
MONUMENT FOUND IPF
DECIDUOUS TREE DE
EVERGREEN EV
BENCH MARK (SEE NOTE #7) BM
SANITARY SEWR LINE
ELECTRIC UNDERGROUND
STORM PIPE
ADJOINER PROPERTY LINE
PROPERTY LINE
WIRE FENCE
CHAIN LINK FENCE
WOOD FENCE
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
GRID NORTH
NAD 83 GA WEST ZONE
VICINITY MAP
NOT TO SCALE
Brook Run Park
Peeler Rd
MATCH LINE PAGE 2
STATE OF GA MON
FIRE PIT
BURIED WALL DEBRIS
BEEHIVE ENCLOSURE
PLASTIC MESH FENCE
WOOD FENCE
CHAIN LINK FENCE
CONC. S.W.
ASPHALT
RIP-RAP
BM EL=996.82
BM EL=974.99
BM EL=881.83
BM EL=886.19
IPF 3/4" REBAR
IPF 3/8" REBAR 1.30' SOUTH OF LINE
IPF 1-1/4" CTP
IPF NAIL FOUND
N/F UHS OF PEACHFORD LP TAX/ID: 18 353 03 032 DB 11545 PG 228
N/F UHS OF PEACHFORD LP TAX/ID: 18 343 11 01 DB 11545 PG 228
N/F PS DUNWOODY PROPERTIES TAX/ID: 18 354 01 007 DB 25024 PG 83
SSMH-12573 TOP=943.23 IN=935.63 OUT=935.00
SSMH-12571 TOP=945.77 IN=937.53 OUT=936.08
SSMH-12576 TOP=953.29 IN=941.37 OUT=939.78
SSMH-12577 TOP=954.10 IN(D)=943.17 IN=940.85 OUT=940.64
SSMH-22204 TOP=969.92 IN=946.66 OUT OF SERVICE NO VISIBLE PIPES
SSMH-22175 TOP=957.25 IN(D)=946.69 DROPD(D)=952.51 IN(I)=946.14 OUT=946.12
SSMH-22176 TOP=949.76 IN (A)=949.66 OUT=949.51
CB-12502 TOP=968.49 OUT=962.02
SSMH-12549 TOP=957.19 IN=955.33 OUT=955.46
SSMH-12560 TOP=965.82 IN (A)=955.63 IN (B)=955.42 OUT=955.38
SSMH-12559 TOP=971.33 IN=962.64 OUT=961.81
SSMH-6869 TOP=973.73 IN (A)=966.28 IN (B)=963.72 IN (C)=963.92 OUT=961.08
SSMH-21361 TOP=988.59 NO ACCESS BOLTS-IN-/ CONCRETE ON TOP
SSMH-21375 TOP=967.06 IN=961.26 OUT=959.21
CB-21185 TOP=987.07 OUT=962.15
CB-11030 TOP=965.56 IN=961.78 OUT=961.34
CB-12038 TOP=965.47 OUT=961.85
CB-13529 TOP=964.01 OUT=959.17
DCS-21435 TOP=965.00 BOTTOM OF CAP=959.65 DIA OF WIDTH=968.20 OUT=964.33
DCS-21436 TOP=965.00 BOTTOM OF CAP=959.65 DIA OF WIDTH=968.20 OUT=964.33
DCS-21437 TOP=965.00 BOTTOM OF CAP=959.65 DIA OF WIDTH=968.20 OUT=964.33
DCS-21438 TOP=965.00 BOTTOM OF CAP=959.65 DIA OF WIDTH=968.20 OUT=964.33



VICINITY MAP
NOT TO SCALE

SHEET 2 OF 2

TOPOGRAPHIC SURVEY FOR
BROOK RUN PARK CITY OF DUNWOODY

REVISIONS		
1. MAR. 20, 2019 – ADDITIONAL TOPOGRAPHIC AREAS		
		DRAWN: RHP
		CHECKED: RHP
	DATE: JAN 11, 2018	JOB NO. 07350001
	FIELD SURVEY DATE: JAN 15, 2018	FILE NO.:07350001MAR-Rev1

GEORGIA REGISTERED ROBERT H PATEN NO. 3337 LAND SURVEYOR

McKIM&CREED
LSF #000069
4563 NELSON BROGDON BLVD., SUITE E-2, LAWRENCEVILLE, GA. 30518, (770) 962-4125 , WWW.MCKIMCREED.COM

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

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

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.

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
	ISSUE FOR PERMIT

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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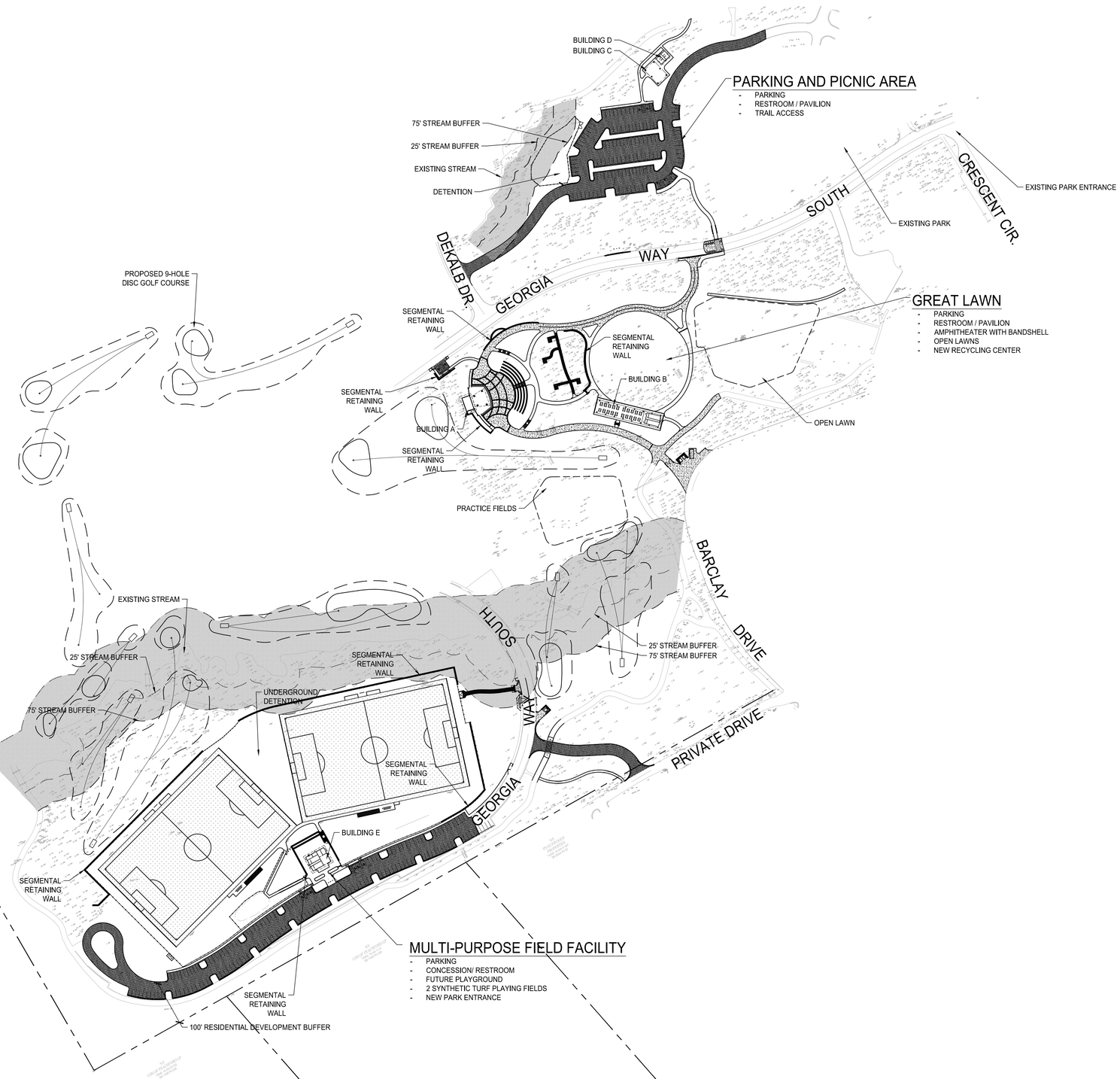

PARKING TABLE

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 '

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

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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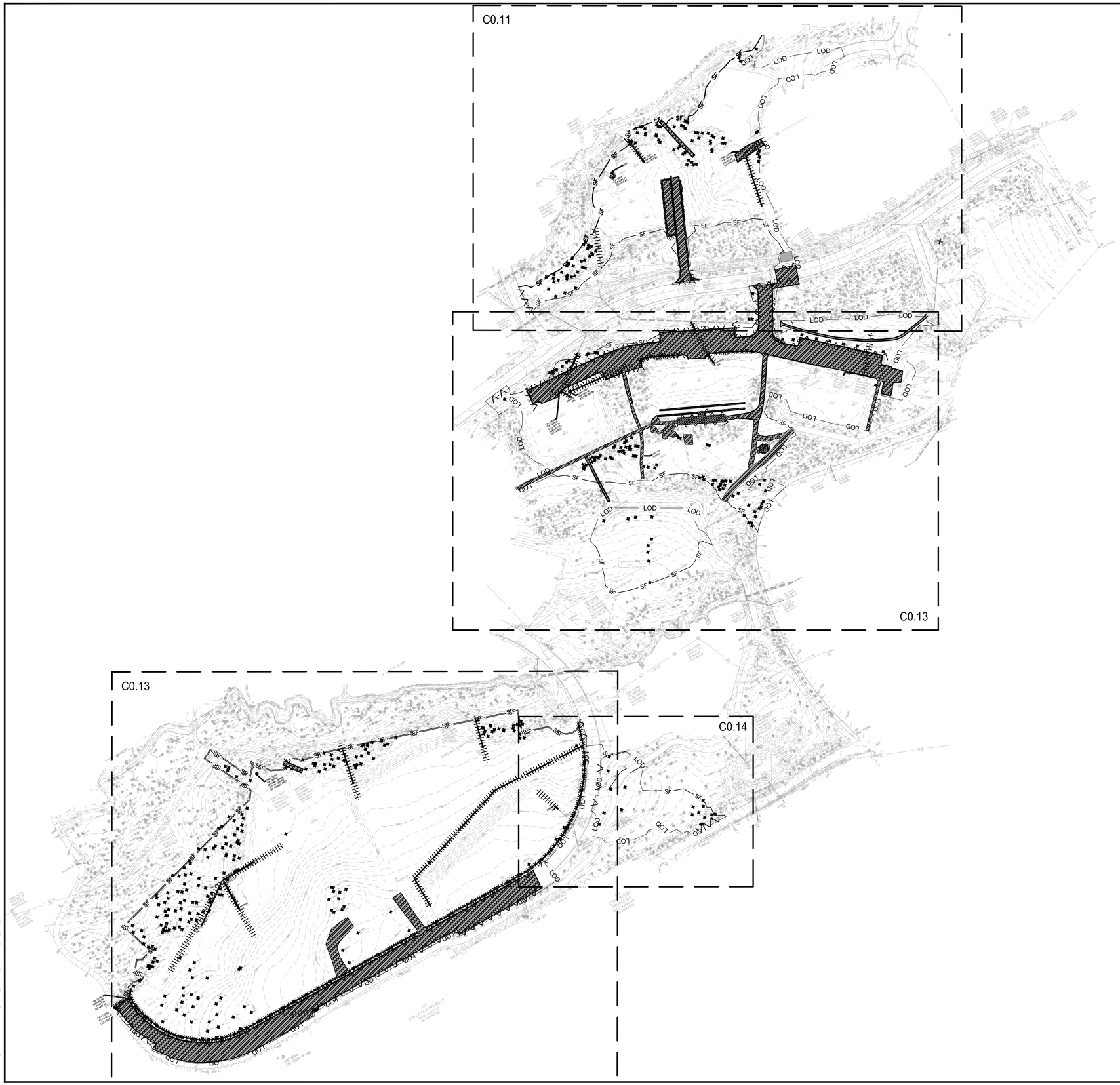

DEMOLITION NOTES:

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.
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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 '

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
ISSUE FOR PERMIT	

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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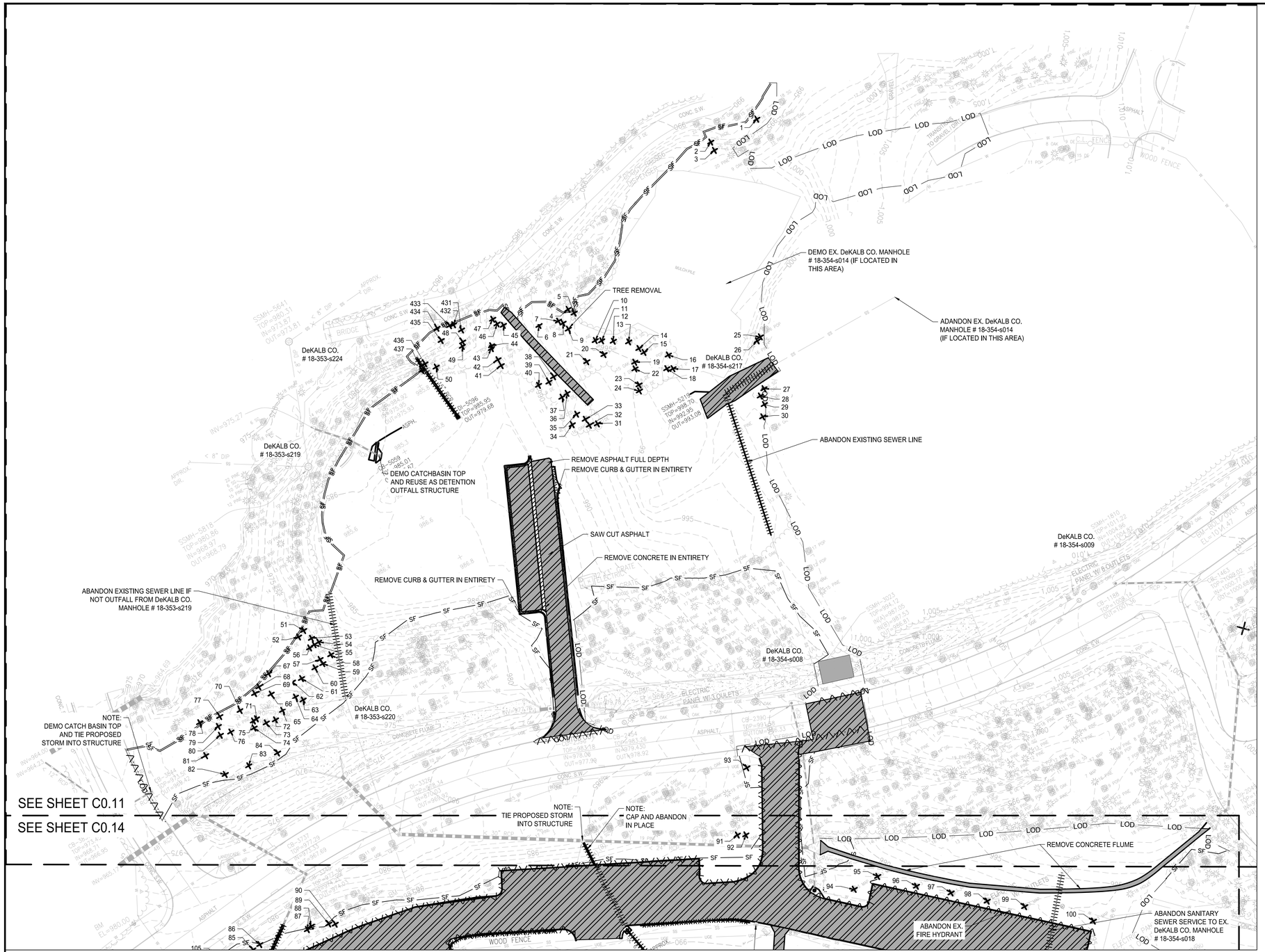

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0 40' 80' 120'

SCALE: 1" = 40 '

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

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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SHEET TITLE

DEMOLITION PLAN

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

SHEET NO.

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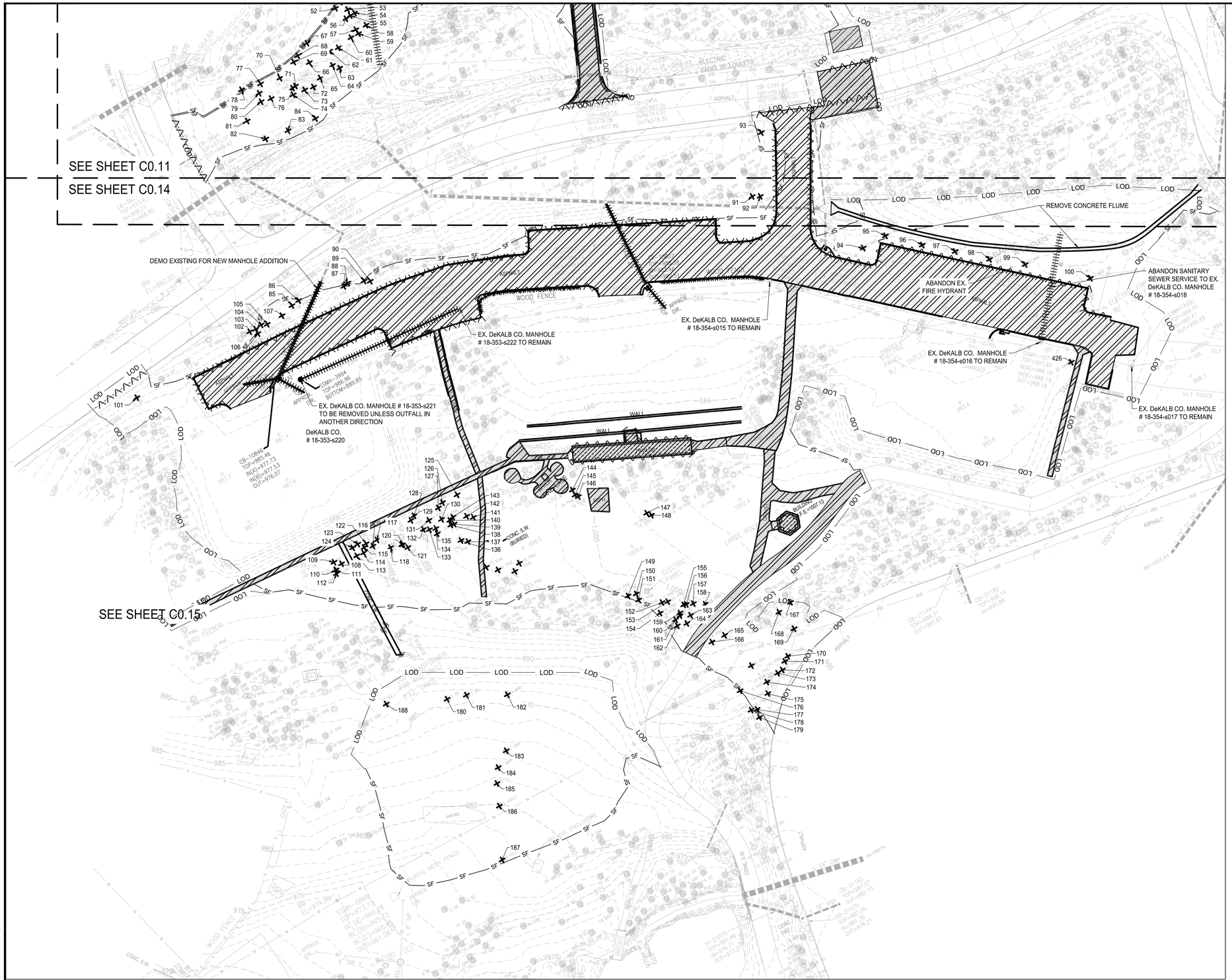

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REGISTERED LANDSCAPE ARCHITECT LA001872 1/4/19 AARON J. ST. PIERRE GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

DEMOLITION PLAN

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

SHEET NO.

C0.12

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NOTE:
TIE PROPOSED SANITARY INTO EX.
DeKALB CO. MANHOLE # 18-353-s065

NOTE:
DEMO EX. DeKALB CO. MANHOLE
18-353-s068 & 18-353-s069

DeKALB CO.
18-353-s066

DeKALB CO.
18-353-s226

DeKALB CO.
18-353-s064

REMOVE WALL DEBRIS

DEMO EXISTING SANITARY SEWER
LINE AND RELATED DeKALB CO.
MANHOLE # 18-353-s067 & 18-353-s225
(IF PRESENT IN THIS AREA)

DEMO EXISTING WATER LINE

DEMO
EXISTING
TRAIL

DEMO EXISTING STORM IN
ALL DIRECTIONS AS FOUND

DEMO EX. DeKALB CO. MANHOLE # 18-353-s071
(IF PRESENT IN THIS AREA)

DEMO EX. DeKALB CO. MANHOLE # 18-353-s070 & 18-353-s072
(IF PRESENT IN THIS AREA)

DEMO EXISTING STORM

LEAVE TEE UP TO THIS
LOCATION FOR INSTALLATION
OF FIRE HYDRANT ASSEMBLY

LEAVE WATER MAIN TO
INSTALL WATER SERVICE
AND FIRE PROTECTION

PROPOSED WATER SERVICE
TEE AT THIS LOCATION

DEMO WATER MAIN WEST
OF PROPOSED WATER
SERVICE, AS NEEDED

SEE SHEET C0.18

N/F
UHS OF PEACHFORD LP
TAXID: 18 343 11 01
DB 11545 PG 226

1/2" REBAR
3/8" REBAR
1.30' SOUTH OF LINE

DEMOLITION NOTES:

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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

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

DEMOLITION PLAN

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

SHEET NO.

C0.13

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1 DRIVEWAY
SCALE: 1" = 20'

DEMOLITION NOTES:

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

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

DEMOLITION PLAN

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

SHEET NO.

C0.14

O:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\ACAD\01_SHEETS\17302_C010_DEMO_SERIES.dwg • Printed on 2019-01-03 at 1:51:17 PM

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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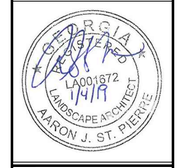

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

GEORGIA

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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ISSUE FOR PERMIT	

SHEET TITLE

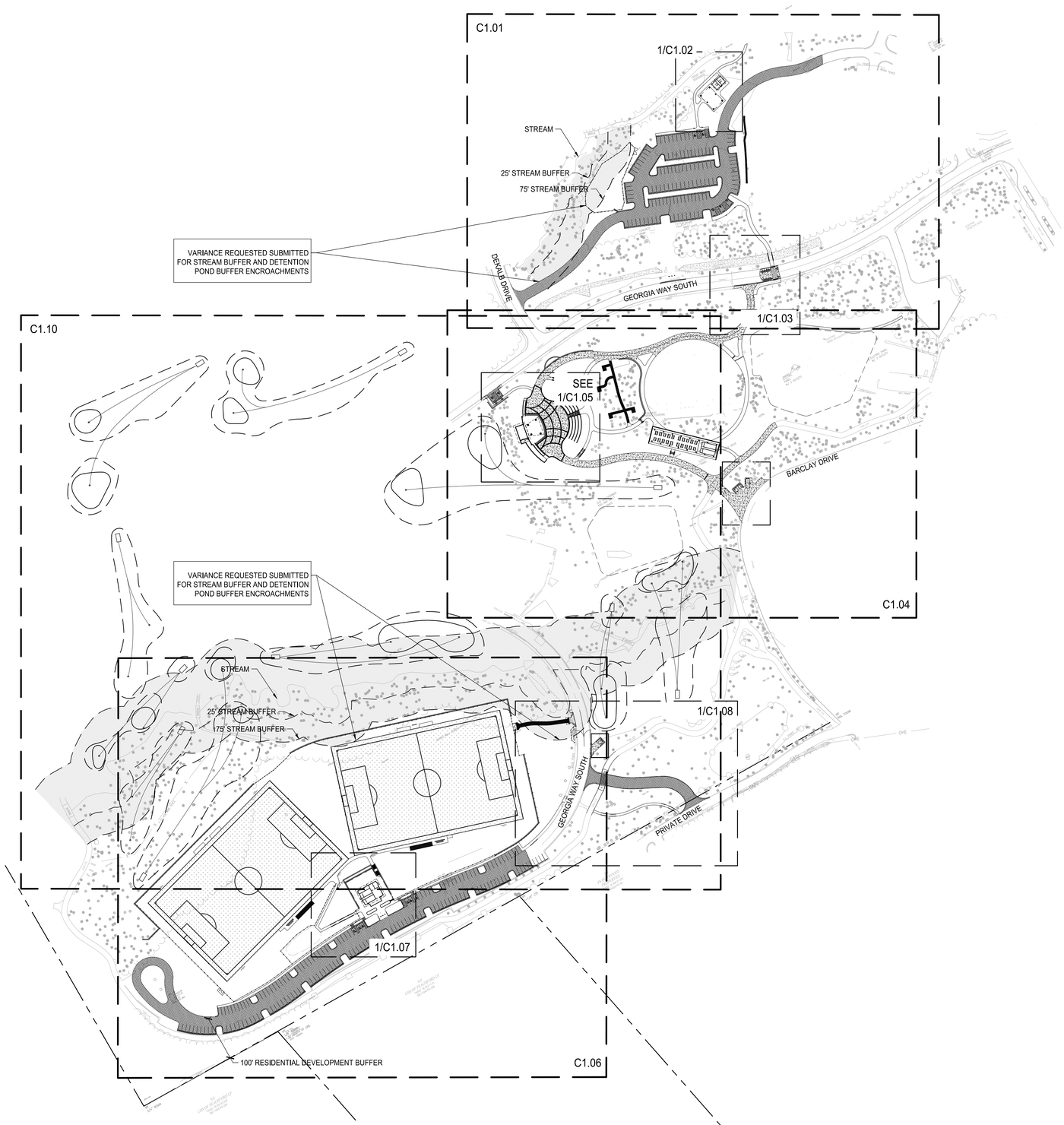
TREE REMOVAL LIST

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

SHEET NO.

C0.15

G:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C015_DEMO_SHEET.dwg - Printed on 2019-01-03 at 10:12:44 PM.



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

0 120 240 360

SCALE: 1" = 120 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA
LA001672
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE
14/19

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION

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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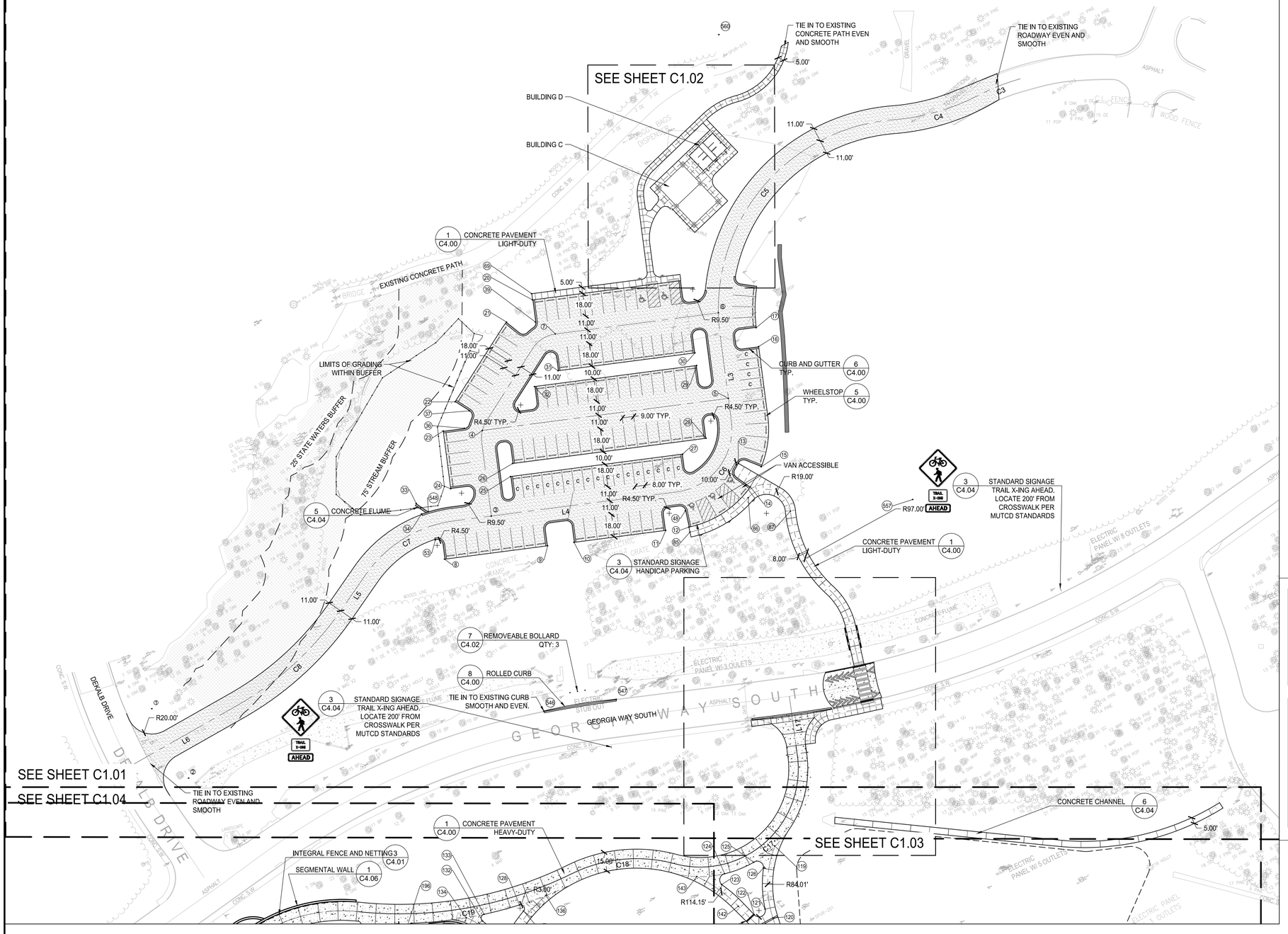

LAYOUT NOTES:

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

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. C1.01	

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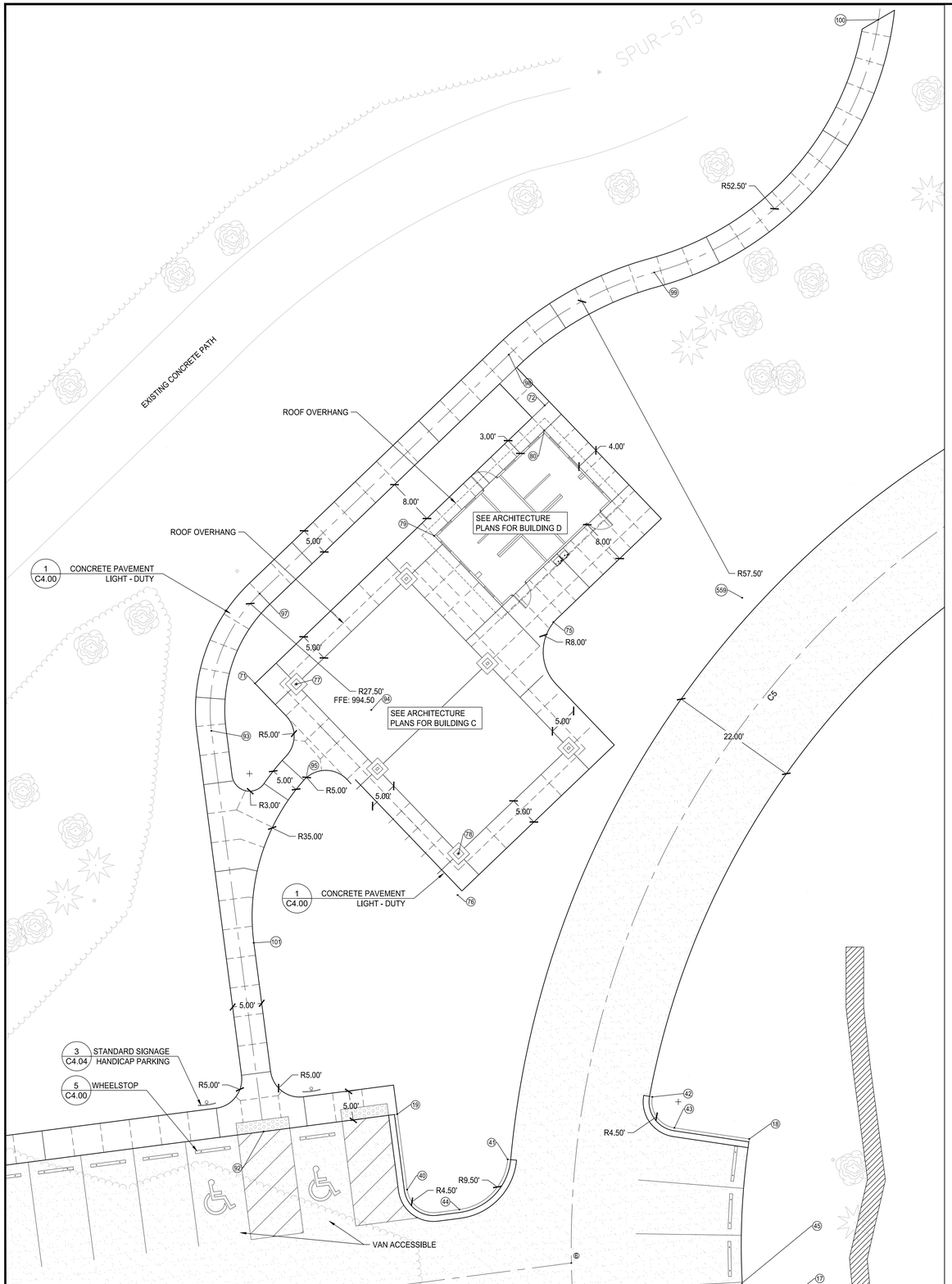

1 NORTH PICNIC AND RESTROOM AREA
SCALE: 1" = 20'

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.
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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

GEORGIA

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.

C1.02

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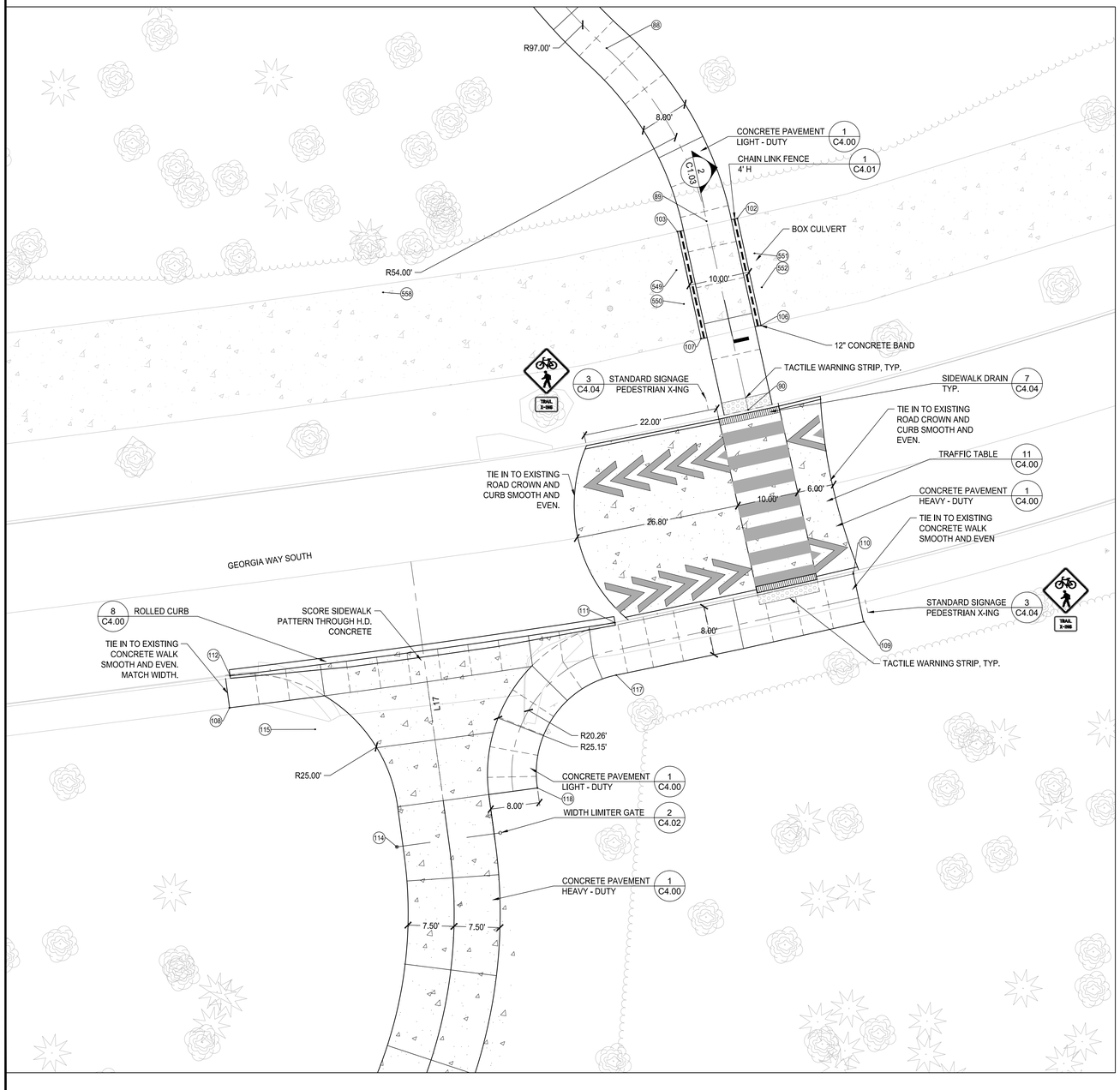

1 INTERSECTION AT GEORGIA WAY SOUTH
SCALE: 1" = 10'

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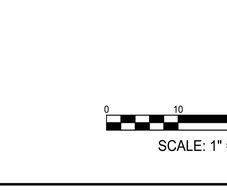
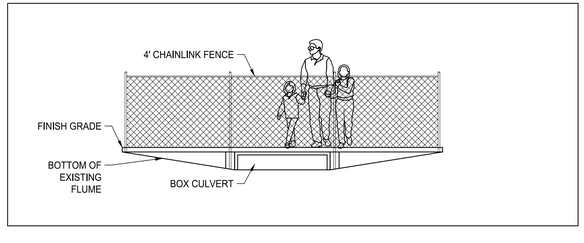
8. SEE SHEET C1.09 FOR COORDINATE CONTROL POINTS.
9. THERE IS NO PROPOSED OUTDOOR LIGHTING.

LAYOUT LEGEND:

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





2 CULVERT SECTION
SCALE: 1" = 4'

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

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"=10'
CHECKED BY JG	

SHEET NO.
C1.03

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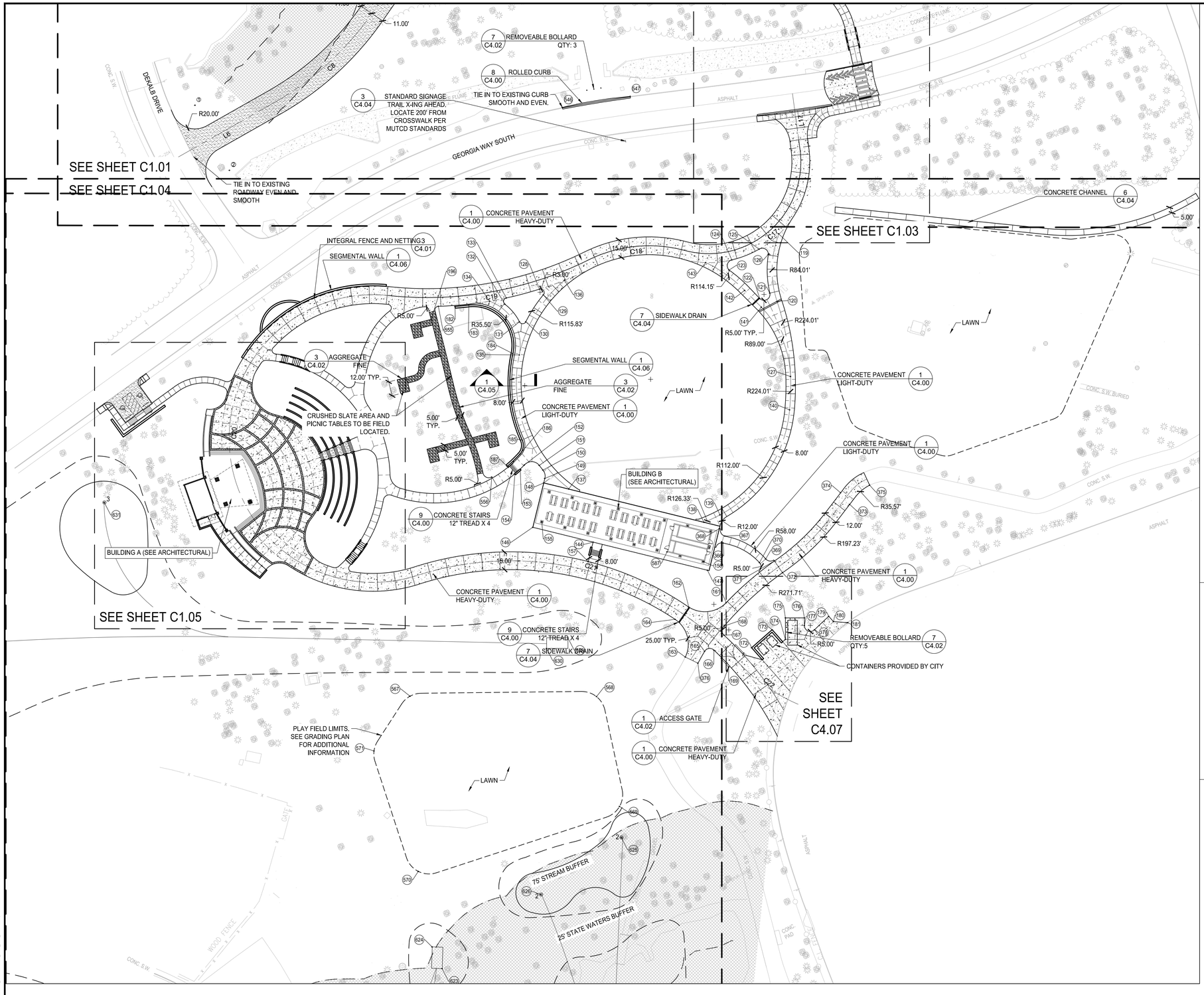

LAYOUT NOTES:

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LAYOUT LEGEND:

- ASPHALT (LIGHT-DUTY)
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- 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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GEORGIA
LA001872
LANDSCAPE ARCHITECT
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.

C1.04

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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)

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

SCALE: 1" = 10'

LOSE DESIGN SPACES FOR LIFE.

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

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
GEORGIA
DUNWOODY

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

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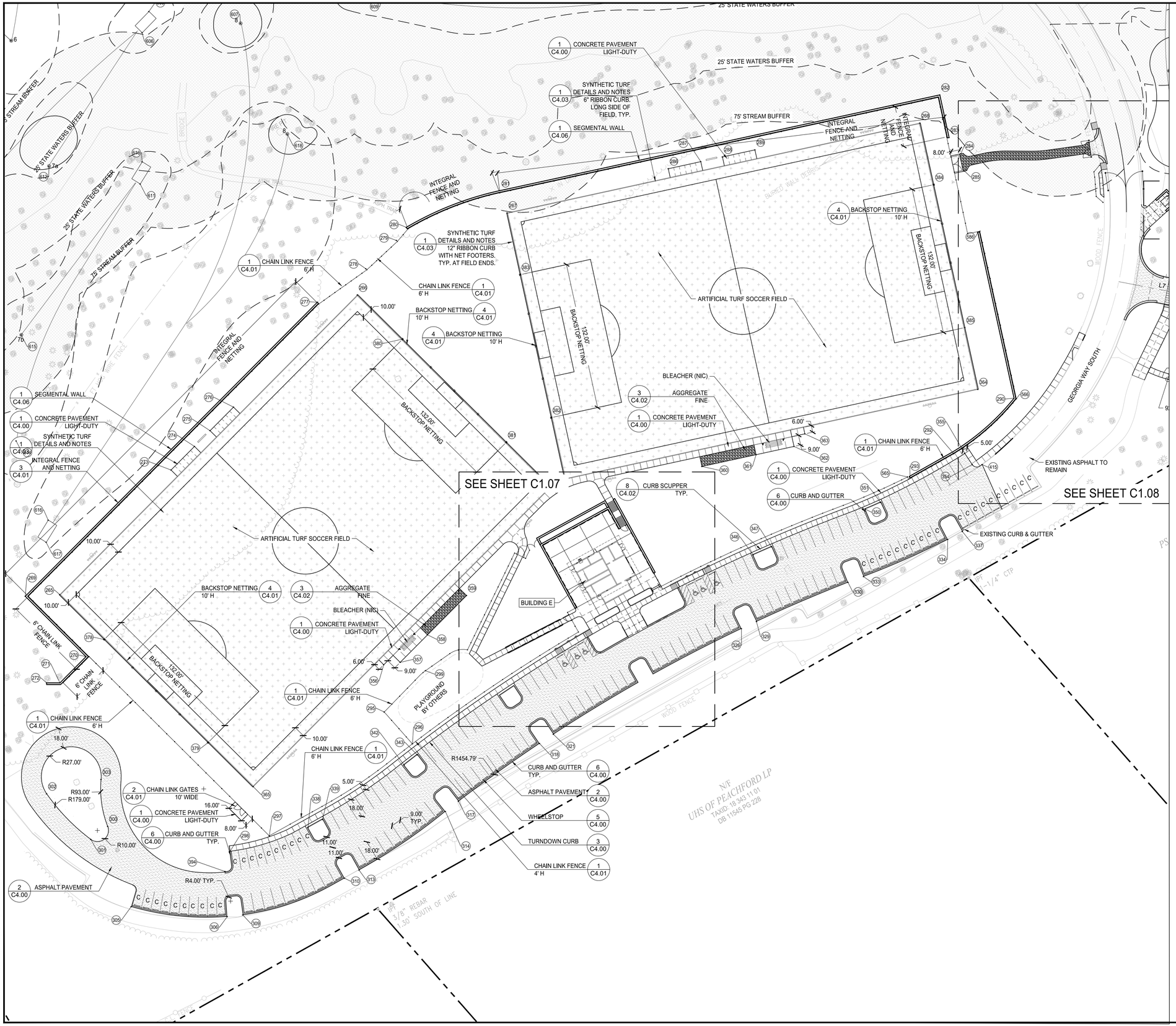

LAYOUT NOTES:

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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)

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

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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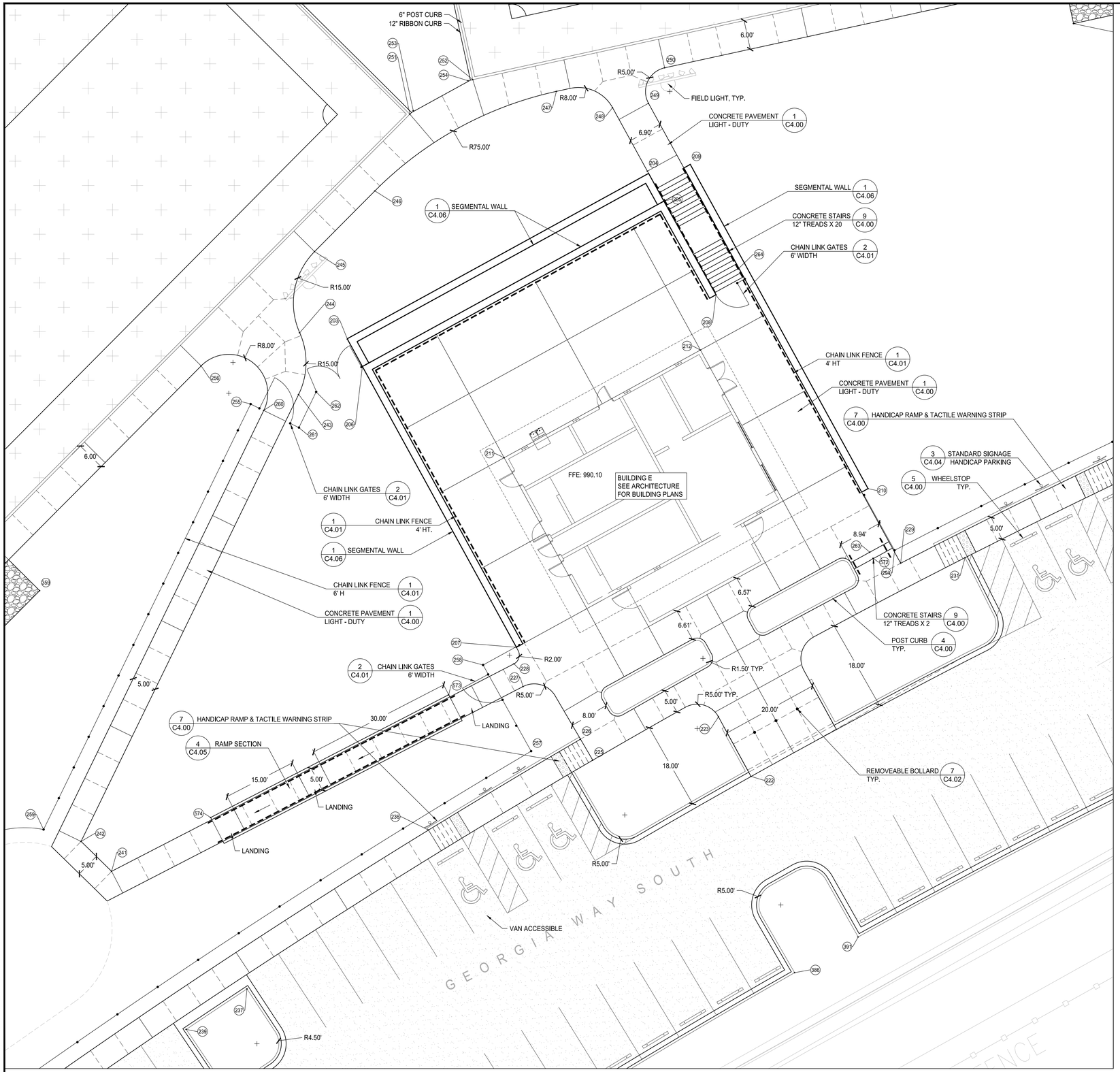

1 CONCESSION AREA AT SOCCER COMPLEX
SCALE: 1" = 20'

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.
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 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.

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

GEORGIA

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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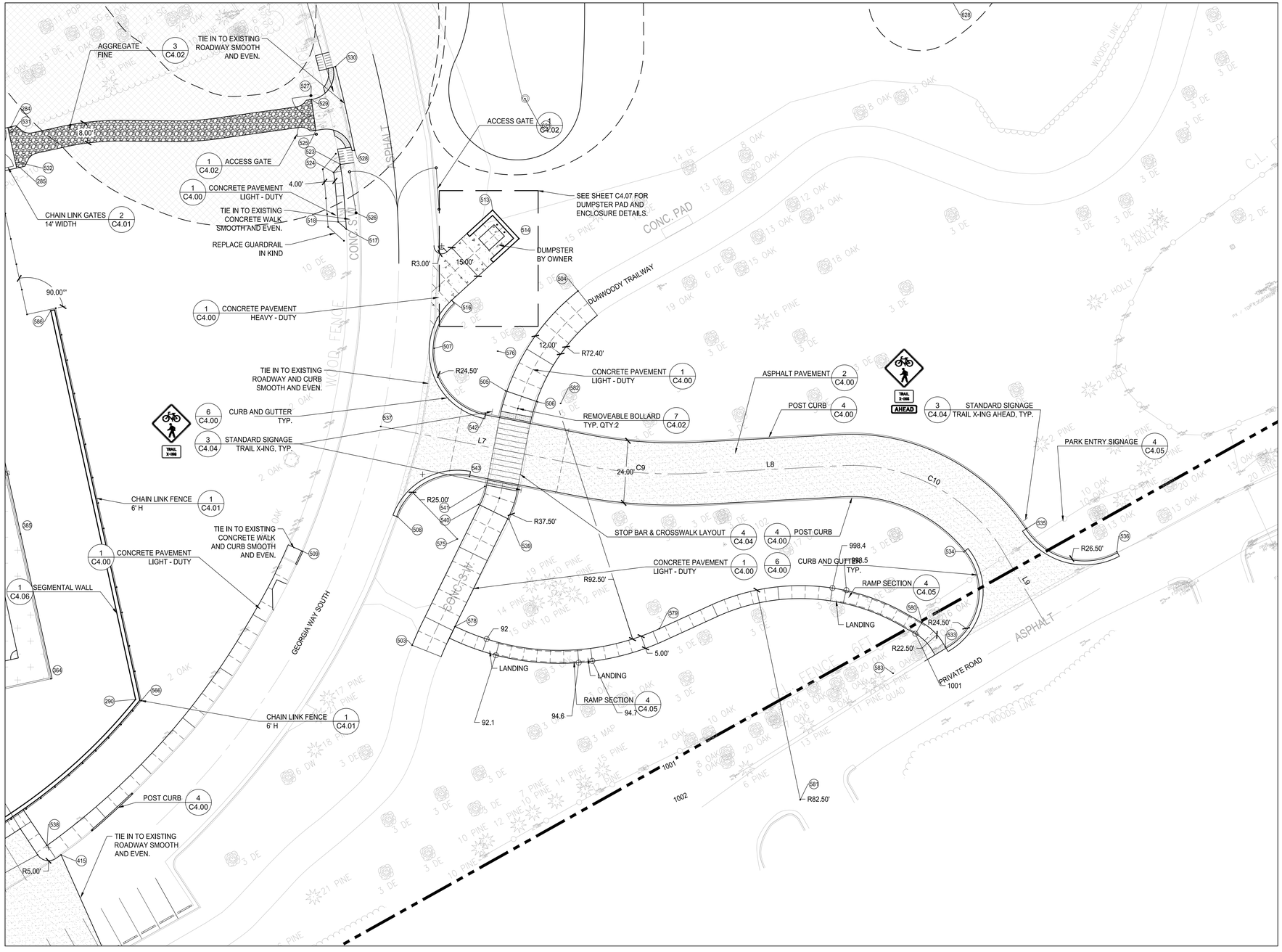

LAYOUT NOTES:

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 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.

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
GEORGIA
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. C1.08	

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Point Table				Point Table				Point Table				Point Table				Point Table				Point Table				Point Table			
Point #	Raw Description	Easting	Northing	Point #	Raw Description	Easting	Northing	Point #	Raw Description	Easting	Northing	Point #	Raw Description	Easting	Northing	Point #	Raw Description	Easting	Northing	Point #	Raw Description	Easting	Northing	Point #	Raw Description	Easting	Northing
1		2255919.1447	1431003.5353	107		2256469.6542	1431049.7681	187		2256182.1109	1430699.3831	290		2255960.0570	1429810.8958	417		2255860.6251	1430735.9052	500		2255970.7124	1430779.7568	584		2255945.0272	1430667.5549
2		2255948.1762	1430948.7224	108		2256392.7656	1430989.5505	196		2256118.0135	1430823.1920	292		2255905.4197	1429761.0819	418		2255839.3547	1430743.3564	501		2255974.2070	1430811.9125	585		2255937.7389	1430688.3126
3		2256187.0995	1431155.6249	109		2256496.2312	1431003.5835	203		2255529.3679	1429684.4187	293		2255866.2318	1429738.9581	420		2255883.2983	1430752.3346	502		2256008.1010	1430837.7840	586		2255927.3673	1429960.6568
4		2256180.0202	1431223.2770	110		2256494.4944	1431011.3926	204		2255590.9577	1429718.9539	294		2255641.7150	1429641.0802	421		2255880.9600	1430773.4095	503		2256066.5959	1429831.7330	587		2256316.7550	1430627.3292
5		2256374.2247	1431248.5550	111		2256455.6077	1431003.4366	205		2255594.3375	1429712.7940	295		2255391.8619	1429527.6700	422		2255872.4395	1430767.3203	504		2256130.4942	1429968.2561	588		2255942.1456	1430760.5336
6		2256366.3441	1431316.1029	112		2256392.8573	1430994.7648	206		2255532.4276	1429678.8398	296		2255417.2773	1429498.9445	423		2255944.5884	1430770.9655	505		2256102.6106	1429929.7555	589		2255924.5009	1430706.2404
7		2256237.6367	1431299.3501	114		2256420.0451	1430966.8630	207		2255564.0559	1429621.1709	297		2255288.1520	1429415.9686	424		2255941.6081	1430772.0555	506		2256114.9004	1429925.5176	590		2255945.8927	1430645.3083
8		2256150.2398	1431121.5825	115		2256406.7227	1430986.0336	208		2255605.0436	1429693.5768	298		2255252.8025	1429402.0540	425		2255902.0723	1430766.5560	507		2256075.1437	1429946.1588	591		2255931.8234	1430676.0197
9		2256231.5539	1431132.1665	117		2256455.8242	1430994.8851	209		2255599.7675	1429720.3342	299		2255429.1043	1429564.9948	426		2255950.8979	1430773.6830	508		2256061.0711	1429881.1447	592		2255993.0059	1430613.7320
10		2256252.3782	1431134.8770	118		2256442.9656	1430976.4629	210		2255636.2808	1429653.7580	300		2255142.4008	1429424.4138	427		2255929.1104	1430747.5973	509		2256024.4330	1429867.9189	593		2255670.8468	1430850.1407
11		2256324.7676	1431144.2993	119		2256410.7089	1430895.2290	211		2255561.5321	1429660.1052	301		2255127.1016	1429412.7611	428		2255945.1923	1430757.5685	513		2256097.5909	1429999.3932	594		2255650.7976	1430848.4001
12		2256343.0581	1431146.9066	120		2256409.3611	1430838.3291	212		2255601.8532	1429682.2170	302		2255087.3606	1429453.8556	429		2255920.4322	1430653.5637	514		2256107.7851	1429988.3892	595		2255224.0002	1430825.2466
13		2256382.2027	1431197.2114	121		2256403.2595	1430845.2916	222		2255612.2295	1429594.6622	303		2255136.4039	1429466.8105	430		2255909.7877	1430683.8540	516		2256081.7958	1429964.6409	596		2255203.9510	1430823.5060
14		2256391.5092	1431178.6947	122		2256394.7689	1430840.7243	223		2255605.5589	1429606.8822	305		2255163.5112	1429351.9147	432		2256011.5124	1430607.7001	517		2256041.2194	1429992.0721	597		2255036.2903	1430449.1907
15		2256400.1660	1431194.5357	123		2256368.9402	1430864.6970	225		2255579.7402	1429597.9808	306		2255250.2089	1429342.9705	433		2255979.7706	1430611.8214	518		2256038.0708	1429994.8389	598		2255030.7695	1430429.8381
16		2256398.1427	1431289.4778	124		2256371.2790	1430873.2246	226		2255577.2170	1429602.3030	309		2255264.3179	1429344.5133	434		2255997.8785	1430615.5974	523		2256038.9542	1430017.0045	599		2255308.6593	1430810.5374
17		2256396.2102	1431304.3528	125		2256394.2928	1430882.3161	227		2255565.4179	1429613.1085	310		2255356.0706	1429377.6875	435		2255937.4850	1430652.1322	524		2256036.3450	1430013.9094	600		2255287.7242	1430714.8869
18		2256396.6926	1431337.2527	126		2256402.0230	1430877.9877	228		2255563.5569	1429617.7745	313		2255369.1695	1429384.9866	436		2255923.0743	1430646.0126	525		2256029.4493	1430030.1122	601		2254968.3375	1430693.9788
19		2256336.6587	1431341.4836	127		2256420.7425	1430775.0166	229		2255642.9736	1429638.4356	314		2255447.0283	1429437.9141	438		2255932.2315	1430649.2278	526		2256044.9649	1429998.3253	602		2254970.4033	1430554.9841
20		2256219.6458	1431326.2530	128		2256209.3180	1430848.6078	231		2255656.1893	1429639.5690	317		2255458.9035	1429447.0594	439		2255973.8496	1430604.9505	527		2256027.5809	1430043.4823	603		2255102.0393	1430246.9370
21		2256199.1086	1431308.8050	129		2256212.5355	1430843.8388	236		2255545.9953	1429583.6471	318		2255532.0191	1429499.2633	440		2255979.5007	1430613.0435	528		2256044.3913	1430022.4475	604		2255055.2376	1430133.4342
22		2256158.4531	1431245.8256	130		2256197.7844	1430821.1320	237		2255508.7278	1429551.0220	321		2255544.5096	1429507.5205	441		2255952.1946	1430776.5936	529		2256027.7885	1430041.9968	605		2255179.5470	1430159.8138
23		2256149.1134	1431222.7836	131		2256192.4199	1430821.1030	239		2255496.2518	1429542.7045	326		2255714.1080	1429602.8789	443		2255848.2591	1430738.4845	530		2256037.0470	1430054.6822	606		2255173.4351	1430140.6398
24		2256155.0508	1431177.1684	132		2256180.1734	1430835.8760	241		2255480.9264	1429575.1665	329		2255727.6671	1429609.2662	444		2255858.7297	1430724.0348	531		2255912.4644	1430029.5143	607		2255262.1724	1430149.0817
25		2256202.2517	1431186.8417	133		2256181.3677	1430841.1847	242		2255474.6504	1429581.2990	330		2255810.2684	1429644.6097	446		2255894.2835	1430749.7977	532		2255915.0176	1430017.7891	608		2255371.7693	1430180.8646
26		2256203.9358	1431197.1453	134		2256167.3487	1430838.4739	243		2255519.3341	1429673.1044	333		2255824.2789	1429649.8645	449		2256022.7526	1430661.9139	533		2256272.0622	1429831.0618	609		2255389.8887	1430172.1074
27		2256338.1057	1431204.5247	135		2256192.2616	1430793.1645	244		2255519.5508	1429685.7682	334		2255900.2247	1429683.3725	450		2256028.4178	1430658.7271	534		2256279.1532	1429867.7239	610		2255173.4845	1430024.1548
28		2256356.6477	1431217.0225	136		2256230.3888	1430856.0204	245		2255522.6107	1429702.4366	337		2255913.4015	1429690.5722	451		2256034.0830	1430655.5403	535		2256303.4065	1429876.7828	611		2255171.6674	1430004.1124
29		2256349.1614	1431274.5373	137		2256233.8411	1430680.2426	246		2255534.9853	1429714.8989	338		2255323.0927	1429423.4186	452		2256039.7482	1430652.3535	536		2256338.0882	1429867.7892	612		2255089.3915	1430020.2415
30		2256347.8707	1431284.4537	138		2256347.7997	1430652.2223	247		2255572.2506	1429735.3369	339		2255336.2045	1429430.7249	453		2256045.4134	1430649.1667	537		2256054.5125	1429916.0502	613		2254990.9732	1429958.0244
31		2256239.7825	1431270.3847	139		2256361.2993	1430658.4631	248		2255583.8069	1429731.9867	342		2255409.7631	1429479.8704	454		2256027.8674	1430704.4804	538		2255925.9184	1429754.5813	614		2255059.7796	1429772.2819
32		2256221.2405	1431257.8869	140		2256419.9276	1430746.9177	249		2255591.1804	1429732.8911	343		2255421.6692	1429488.9851	455		2256034.1263	1430706.2344	539		2256103.8730	1429880.2788	615		2255064.3629	1429867.9526
33		2256127.8338	1431165.5736	141		2256396.1658	1430833.4688	250		2255594.5007	1429740.1810	346		2255724.6763	1429669.4424	456		2256040.3851	1430707.9884	540		2256092.1977	1429885.9962	616		2255088.6963	1429700.8147
34		2256132.0631	1431157.3432	142		2256382.0960	1430847.5866	251		2255542.1727	1429730.6526	347		2255741.2524	1429676.7212	457		2256046.6440	1430709.7424	541		2256094.6594	1429892.9639	617		2255086.8792	1429680.7723
36		2256165.7060	1431224.9434	143		2256349.2500	1430871.0242	252		2255555.1029	1429737.7442	350		2255825.8461	1429710.7739	458		2256052.9029	1430711.4963	542		2256094.9755	1429920.9726	618		2255304.2922	1430049.2686
37		2256169.6780	1431238.6594	144		2256254.4162	1430635.5320	253		2255542.8793	1429731.3592	351		2255839.6702	1429716.8093	459		2256049.3960	1430721.4801	543		2256088.6994	1429896.7225	619		2255634.8367	1430209.5984
39		2256221.9174	1431308.8007	146		2256203.6825	1430648.0065	254		2255554.1258	1429737.5314	354		2255922.3307	1429750.9482	460		2256043.4151	1430718.9347	544		2256080.3709	1430852.4517	620		2255785.4104	1430220.2918
40		2256338.3367	1431328.5923	147		2256350.7095	1430611.8553	255		2255509.4844	1429671.1476	355		2255915.6094	1429761.0395	461		2256037.4342	1430716.3893	546		2256228.5350	1431001.7010	621		2256110.0516	1430042.3244
41		2256355.4883	1431333.7693	148		2256212.8762	1430685.3974	256		2255499.3118	1429678.9726	356		2255391.4171	1429570.3131	462		2256031.4533	1430713.8439	547		2256285.6750	1431010.9950	622		2256099.7542	1430106.2766
42		2256380.1600	1431344.4184	149		2256213.8075	1430689.1849	257		2255567.0763	1429599.8366	357		2255406.2588	1429572.4868	463		2256025.4724	1430711.2986	548		2256137.4388	1431159.1498	623		2256127.2733	1430276.2360
43		2256383.9250	1431339.1424	150		2256212.2144	1430696.1807	258		2255557.2101	1429617.5376	358		2255430.9200	1429597.3228	464		2256003.6870	1430765.7851	549		2256465.6515	1431060.9532	624		2256118.8823	1430294.5278
44		2256347.2540	1431325.2151	151		2256209.0897	1430700.1481	259		2255466.9471	1429583.7519	359		2255466.1502	1429632.8028	465		2256001.3294	1430759.7278	550		2256466.8565	1431055.4161	625		2256278.1868	1430386.7331
45		2256383.3154	1431302.6744	152		2256196.5938	1430700.5299	260		2255512.1818	1429669.8347	360		2255678.4788	1429749.2522	466		2255998.9718	1430753.6704	551		2256478.3797	1431063.6823	626		2256210.5586	1430338.6289
48		2256340.2901	1431159.8012	153		2256193.0383	1430697.0205	261		2255519.3914	1429666.2899	361		2255727.3341	1429759.8897	467		2255996.6142	1430747.6131	552		2256479.5678	1431058.1416	627		2256262.8230	1430103.0482
53		2256142.8929	1431136.7522	154		2256188.5754	1430693.0101	262		2255522.9257	1429673.6286	362		2255761.5329	1429767.3357	468		2255994.2566	1430741.5557	555		2256124.1009	1430834.1654	628		2256271.7787	1430085.0261
69		2256219.0004	1431331.2112	155		2256211.2395	1430652.5869	263		2255636.6316	1429640.7042	363		2255771.3436	1429778.6820	469		2255976.1408	1430786.4849	556		2256169.0873	1430690.3512	629		2256233.1984	1430554.8934
71		2256312.3811	1431414.9596	156		2256347.1902	1430619.1592	264		2255609.7483	1429699.0164	364		2255927.3823	1429818.7941	470		2255980.5991	1430788.6464	557		2256519.7657	1431168.6963	630		2256215.1766	1430545.9371
72		2256361.8097	1431462.3802	157		2256250.3671	1430619.0646	265		2255099.1566	1429633.6281	365		2255273.7181	1429460.2952	471		2255984.8249	1430799.0891	558		2256417.8155	1431057.3090	631		2255842.7655	1430668.8809
75		2256363.2765	1431425.4295	161		2256366.5577	1430584.5560	266		2255367.6112	1429903.9855	366		2256363.9852	1430634.7857	472		2255987.8648	1430793.9468	559		2256395.4981	1431429.5682	632		2255668.0475	1430545.0184
76		2256346.9448	1431378.8671	162		2256335.0528	1430580.7748	267		2255502.7714	1429978.1135	367		2256365.4179	1430640.6121	473		2256045.5160	1430766.8792	560		2256366.7909	1431535.7562	633		2255027.5857	1430447.6069
77		2256319.4147	1431414.8387	163		2256332.1078	1430538.7265	268		2255875.0508	1430059.1635	368		2256360.7852	1430646.9001	474		2256053.8742	1430769.9722	561		2256036.9861	1430640.1169	634		2255039.7553	1430431.5788
78		2256347.0951	1431385.9340	164		2256323.4664	1430570.4855	269		2255068.0519	1429632.1062	369		2256399.8347	1430621.3553	475		2256061.2922	1430763.0318	562		2255992.3444	1430767.2245	635		2255993.2830	1430722.2846
79		2256342.9659	1431440.1322	165		2256348.3797	1430543.5209	270		2255122.7975	1429577.6461	370		2256394.5696	1430618.2422	476		2256064.6841	1430750.6604	563		2255927.0098	1430732.1413	636		2256054.6115	1430717.0605
80		2256361.7278	1431458.1320	166		2256356.2690	1430544.4630	271		2255099.2988	1429553.9808	371		2256407.1934	1430619.6402	477		2256060.5717	1430738.3183	564		2256027.9411	1430616.8106				
85		2256343.9198	1431143.0018	167		2256364.6193	1430557.1828	272		2255087.2988	1429553.9808	372		2256414.0503	1430609.7915	478		2256055.8365	1430724.2210	565		2255863.9575	1429739.8127				
86		2256389.8830	1431170.1180	168		2256364.8913	1430564.8365	273		2255199.5229	1429746.0597	373		2256470.5130	1430667.3630	479		2256059.6356	1430713.3831	566		2255962.2147	1429810.3892				
87		2256423.2005	1431159.5228	169		2256368.6263	1430530.3536	274		2255220.6610	1429767.3476	374		2256462.8927	1430677.1074	480		2256072.1537	1430705.3458	567		2256100.2594	1430505.7489				
88		2256454.2745	1431097.1429	172		2256387.9621	1430546.5638	275		2255234.7531	1429781.5396	375		2256487.3586	1430683.4932	481		2256083.4095	1430692.1489	568		2256257.3196	1430505.3809				
89		2256470.5494	1431068.9336	173		2256405.2376	1430561.7507	276		2255255.8913	1429802.8276	376		2256342.7363	1430533.5459	482		2256091.7813	1430681.0139	569		2256276.7034	1430412.8709				
90		2256477.3324	1431038.1630	174		2256416.4164	1430553.5849	277		2255331.4797	1429897.4192	378		2255139.2539	1429593.1082	483		2256084.5374	1430675.0472	570		2256107.2215	1430358.1756				
92		2256313.8511	1431338.5149	175		2256416.4164	1430571.7314	278		2255375.3070	1429927.6394	379		2255232.9215	1429500.1029	484		2256077.8904	1430671.3261	571		2256069.9241	1430459.6193				
93		2256304.9518	1431406.8864	176		2256432.4164	1430571.7314	279		2255402.8492	1429953.2421	380		2255408.4107	1429864.1779	485		2256041.2152	1430616.0553	572		2255637.3203	1429639.4486				
94		2256332.2217	1431410.4359	177		2256432.4164	1430565.2520	280		2255411.8109	1429965.0504	381		2255502.0764	1429771.1685	486		2256036.3844	1430614.9543	573		2255550.1536	1429611.4257				
95		2256321.1383	1431398.9324	178		2256440.9258	1430561.6906	281		2255496.4209	1429998.2228	382		2255542.4867	1429793.3327	487		2256051.9613	1430611.4162	574		2255501.2698	1429586.2190				
97		2256313.1835	1431430.2802	179		2256452.9148	1430573.0160	282		2255893.0570	1430084.5758	383		2255514.4085	1429922.3118	488		2256050.2073	1430616.4107	575		2256084.0270	1429872.6691				
98		2256355.6910	1431471.0609	180		2256456.9199	1430568.5484	283		2255901.4406	1430046.0678	384		2255887.6649	1430003.5745	493		2255958.3624	1430791.2466	576		2256099.5873	1429945.0316				
99		2256380.4921	1431485.0756	181		2256468.9365	1430567.7257	284		2255912.0389	1430031.4685	385		2255915.7452	1429874.5958	494		2256050.4713	1430621.1787	578		2256083.1117	1429838.9357				
100		2256418.7053	1431528.1947	182		2256138.1725	1430834.0730	285		2255915.4426	1430015.8347	386		2255621.1975	1429554.3483	495		2256060.6778	1430634.7466	579		2256161.8549	1429838.1110				
101		2256312.1816	1431370.7102	183		2256149.7474	1430835.1888	286		2255648.1248	1430017.9462	391		2255634.2486	1429561.6862	496		2255992.5390	1430790.1685	580		2256262.9661	1429840.4793				
102		2256475.5700	1431069.3845	184		2256186.8828	1430794.3128	287		2255677.4382	1430024.3281	394		2255248.1675	1429383.7858	497		2256016.0792	1430782.8087	581		2256216.1137	1429772.2004				
103		2256465.8083	1431067.2145	185		2256194.6717	1430721.5771	288		2255696.9804	1430028.5827	415		2255931.3251	1429750.9834	498		2256024.9404	1430707.1301	582		2256123.8001	1429924.9060				
106		2256479.4197	1431051.9208	186		2256192.8706	1430709.7520	289		2255726.2937	1430034.9646	416		2255850.0619	1430750.4820	499		2256051.3107	1430716.5448	583		2256251.8815	1429820.8991				

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GEORGIA REGISTERED LA0001672 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

COORDINATE POINT TABLE

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

SHEET NO.

C1.09

APPROXIMATE LIMITS OF CLEARED AREA ADJACENT TO BASKET (GREEN) - SEE NOTES

3 C4.08 CONCRETE TEE PAD TYPICAL

TEE BOX #4

TEE BOX #5

OPTIMAL LINE OF PLAY TO DISC TEE (TYPICAL)

APPROXIMATE LOCATION FOR LIMITS OF PLAY (FAIRWAY) - TYPICAL - SEE NOTES

1 C4.08 DISC GOLF BASKET TYPICAL

TEE BOX #6

TEE BOX #9

TEE BOX #7a

TEE BOX #7b

TEE BOX #8

TEE BOX #1

TEE BOX #2

TEE BOX #3

75' STREAM BUFFER

25' STATE WATERS BUFFER

FFE: 987.50

FFE: 993.10

GEORGIA WAY SOUTH

DEKALB DRIVE

PS DUNWOODY PROPERTIES
TAXID: 18 354 01 007
DB 25024 PG 93

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AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

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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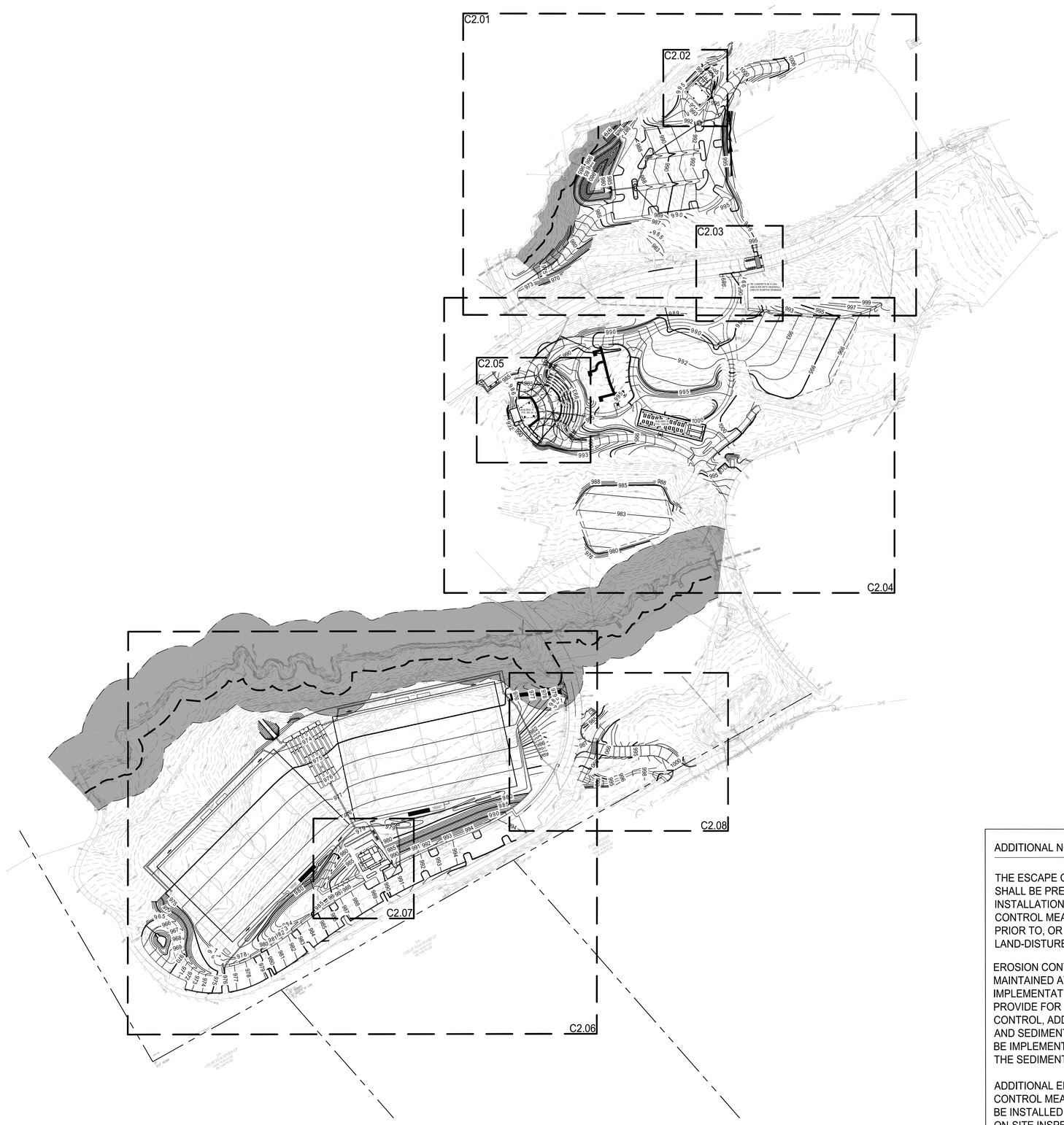

LEGEND

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.

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.

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.

0 120 240 360

SCALE: 1" = 120 '

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SPACES FOR LIFE.

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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
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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)

SCALE: 1" = 40 '

LOSE DESIGN
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GEORGIA REGISTERED No. PE014317 PROFESSIONAL ENGINEER PEYTON IRL LINGLE 01/04/19

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

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SUBMITTALS / REVISIONS		
NO.	DATE	DESCRIPTION
ISSUE FOR PERMIT		

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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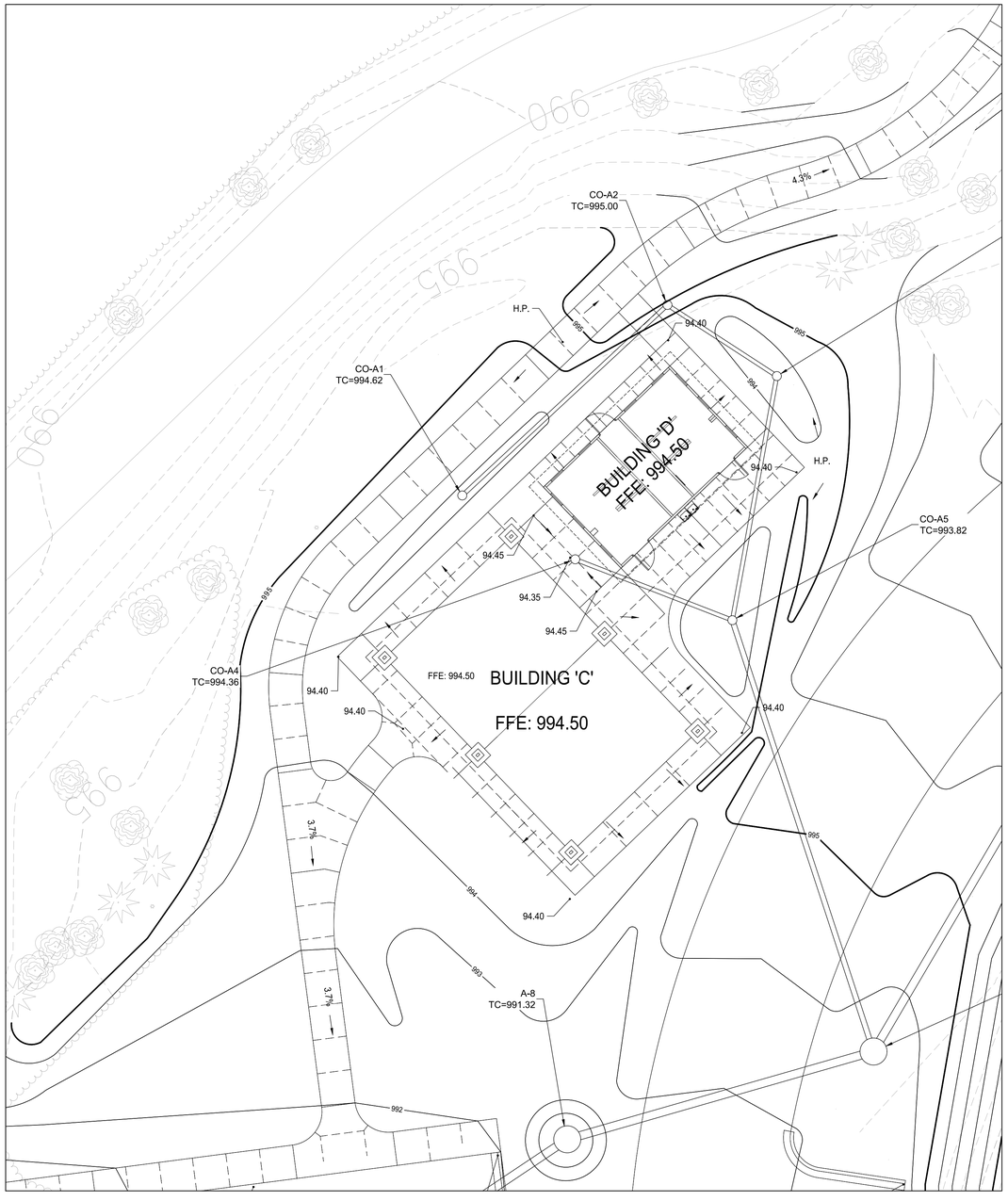

1 NORTH PICNIC AND RESTROOM AREA
SCALE: 1" = 10'

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'

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

BROOK RUN PARK IMPROVEMENTS
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GEORGIA
DUNWOODY

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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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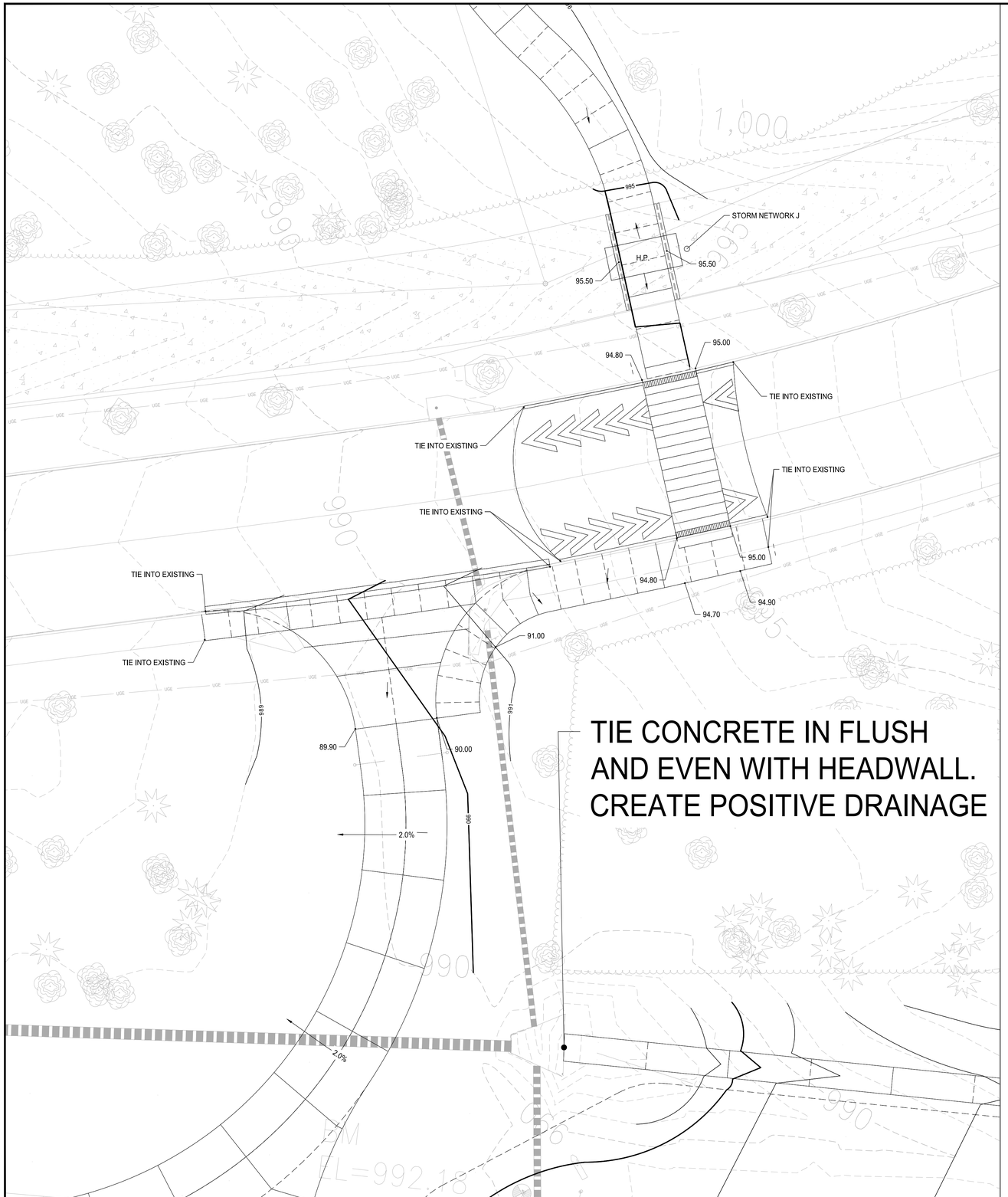

1 INTERSECTION AT GEORGIA WAY SOUTH

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 '

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GRADING PLAN ENLARGEMENT

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

SHEET NO.

C2.03

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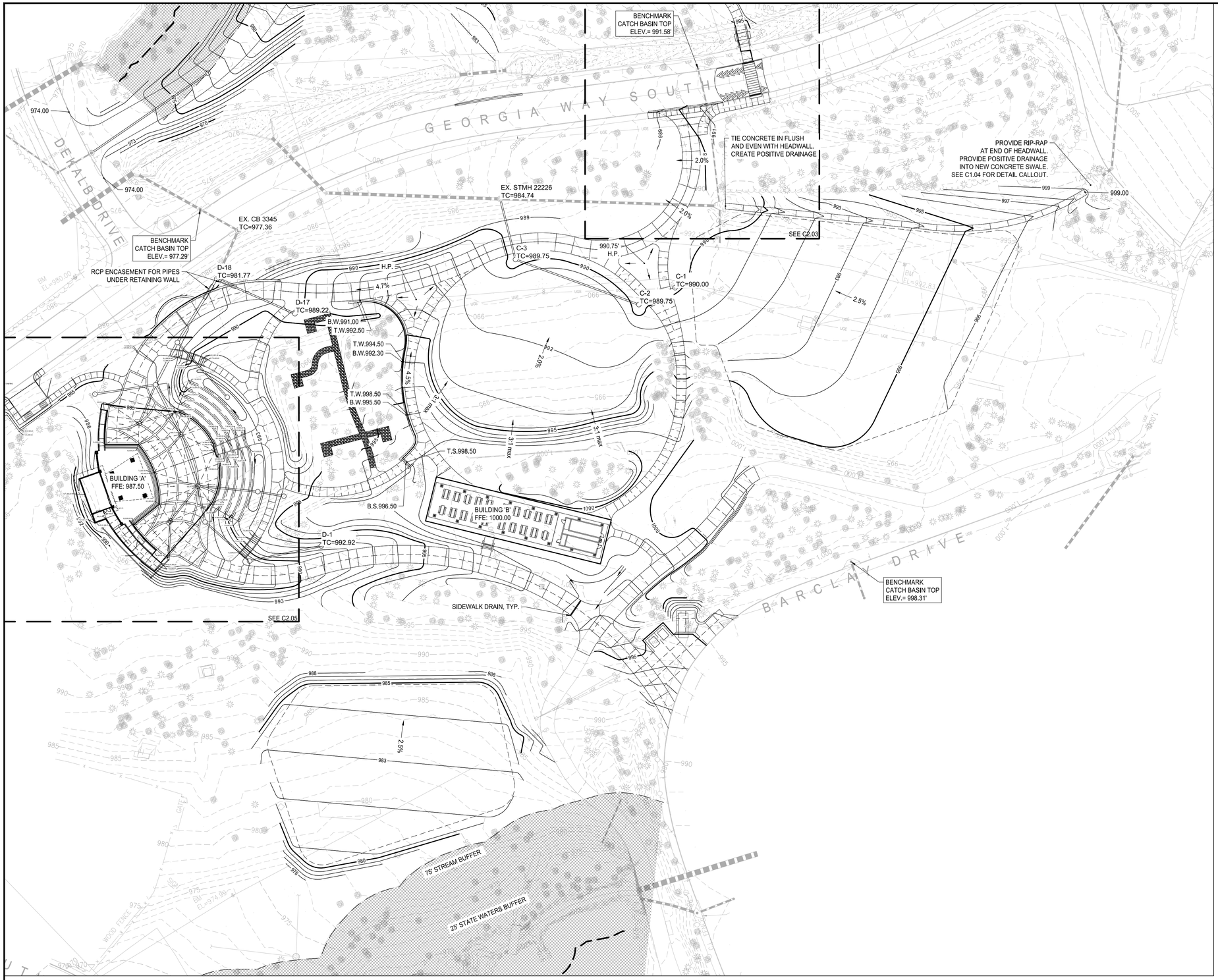

LEGEND

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 '

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AARON J. ST. PIERRE

GEORGIA
REGISTERED
No. PE014317
PROFESSIONAL
ENGINEER
PEYTON IRL LINGLE

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GRADING PLAN

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

SHEET NO.

C2.04

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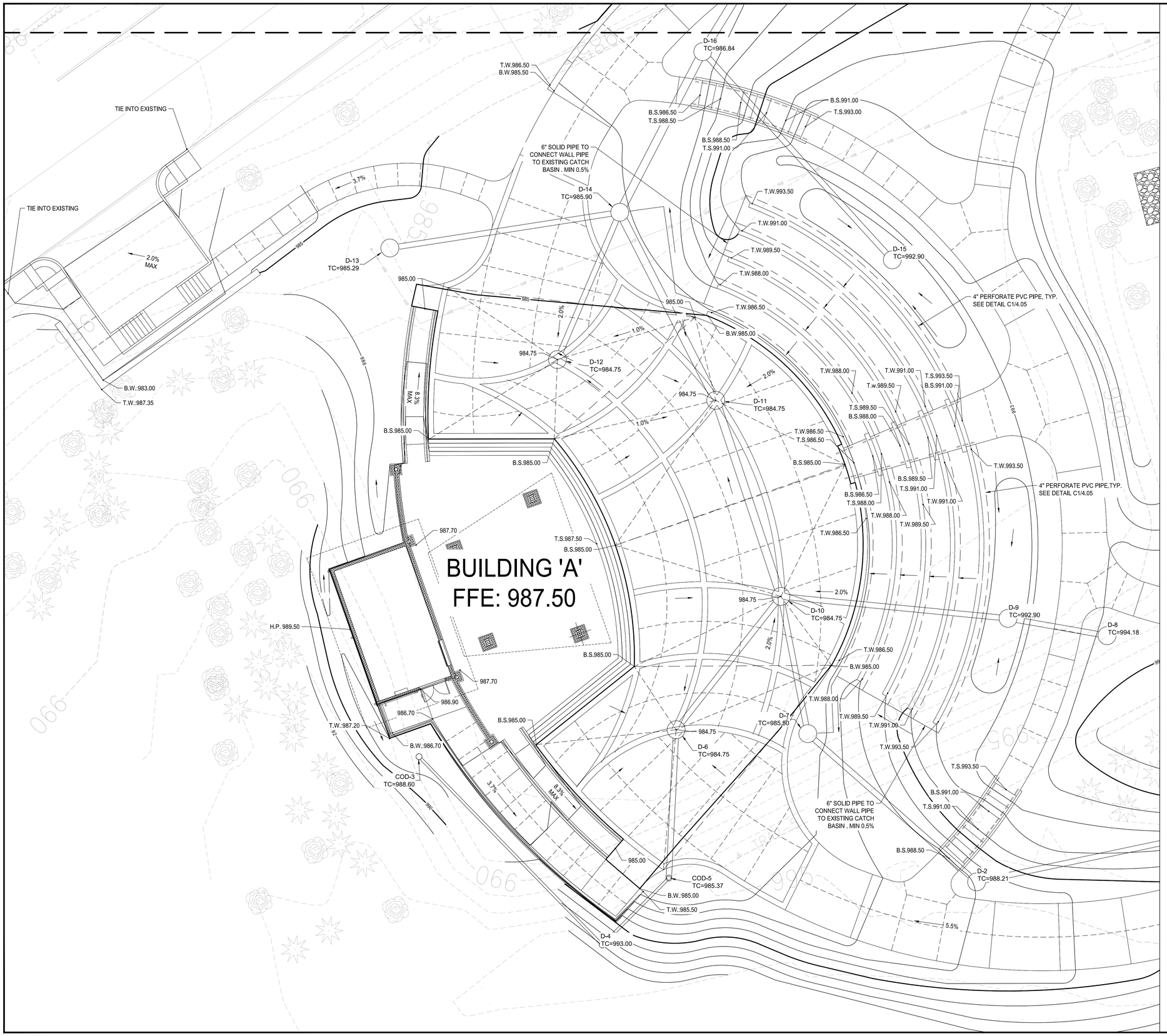

LEGEND

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)

SCALE: 1" = 10 '

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

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

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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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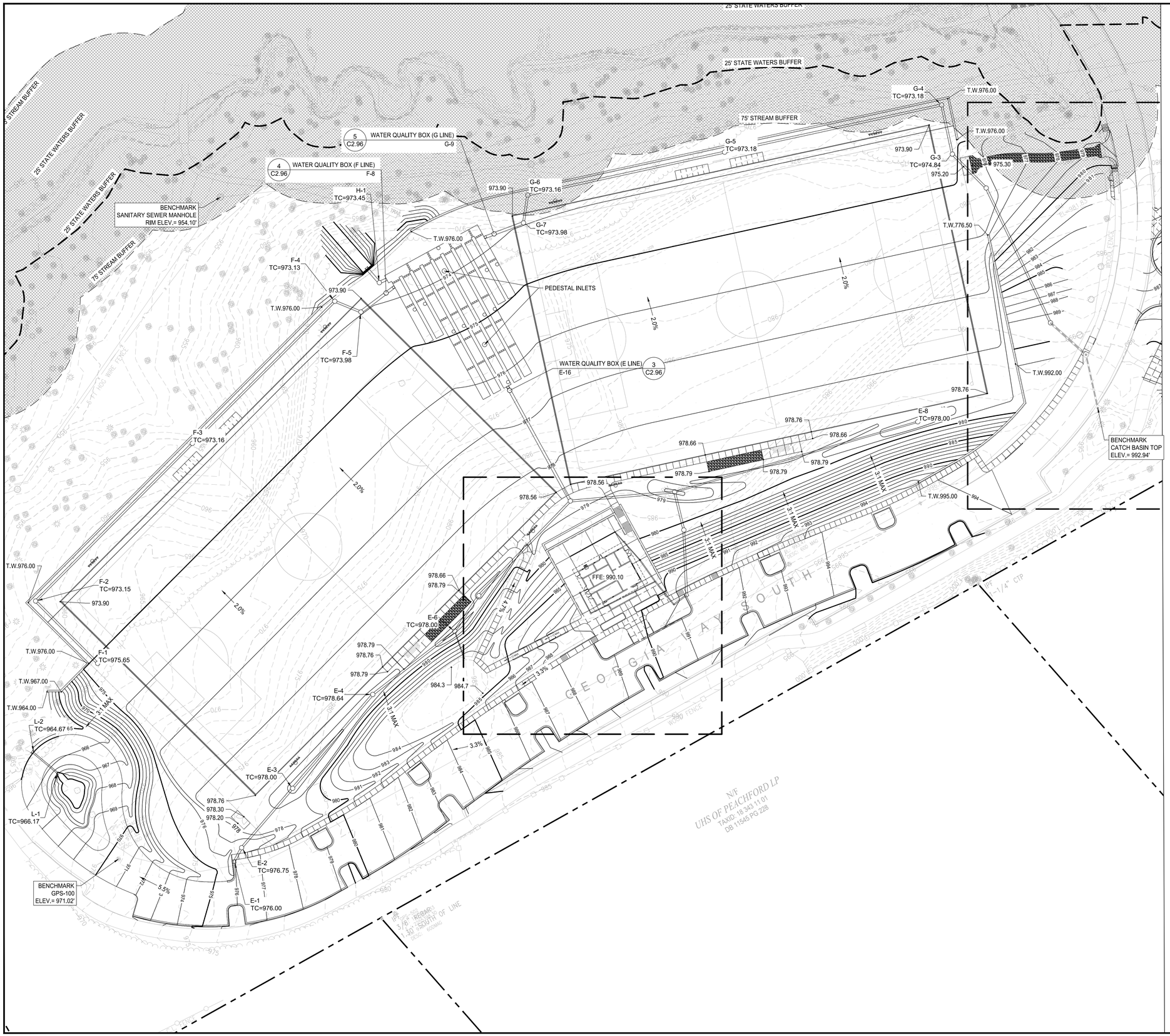

LEGEND

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)

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LA001672 LANDSCAPE ARCHITECT AARON J. ST. PIERRE

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
ISSUE FOR PERMIT	

SHEET TITLE

GRADING PLAN

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

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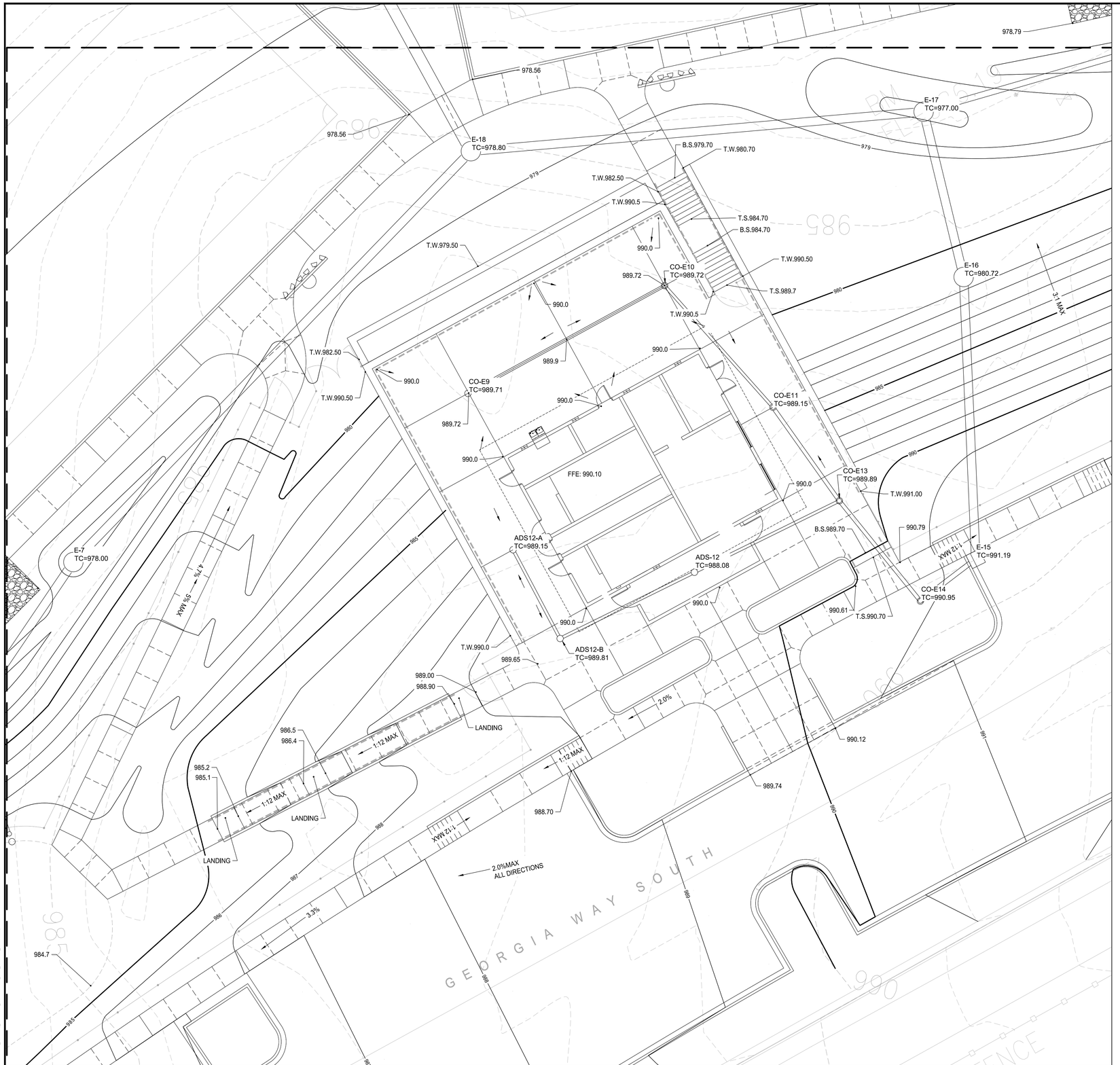

1 CONCESSION AREA AT SOCCER COMPLEX

SCALE: 1" = 20'

LEGEND

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

SCALE: 1" = 10 '

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

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

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

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 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.

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.

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

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
ISSUE FOR PERMIT	

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

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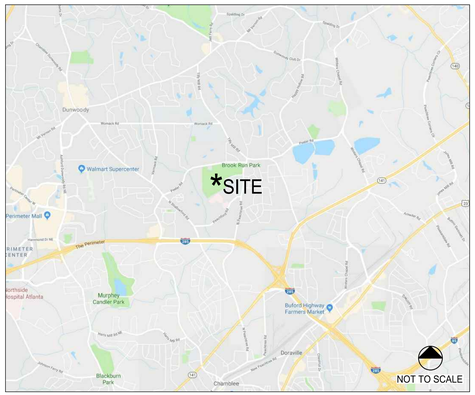


VICINITY MAP

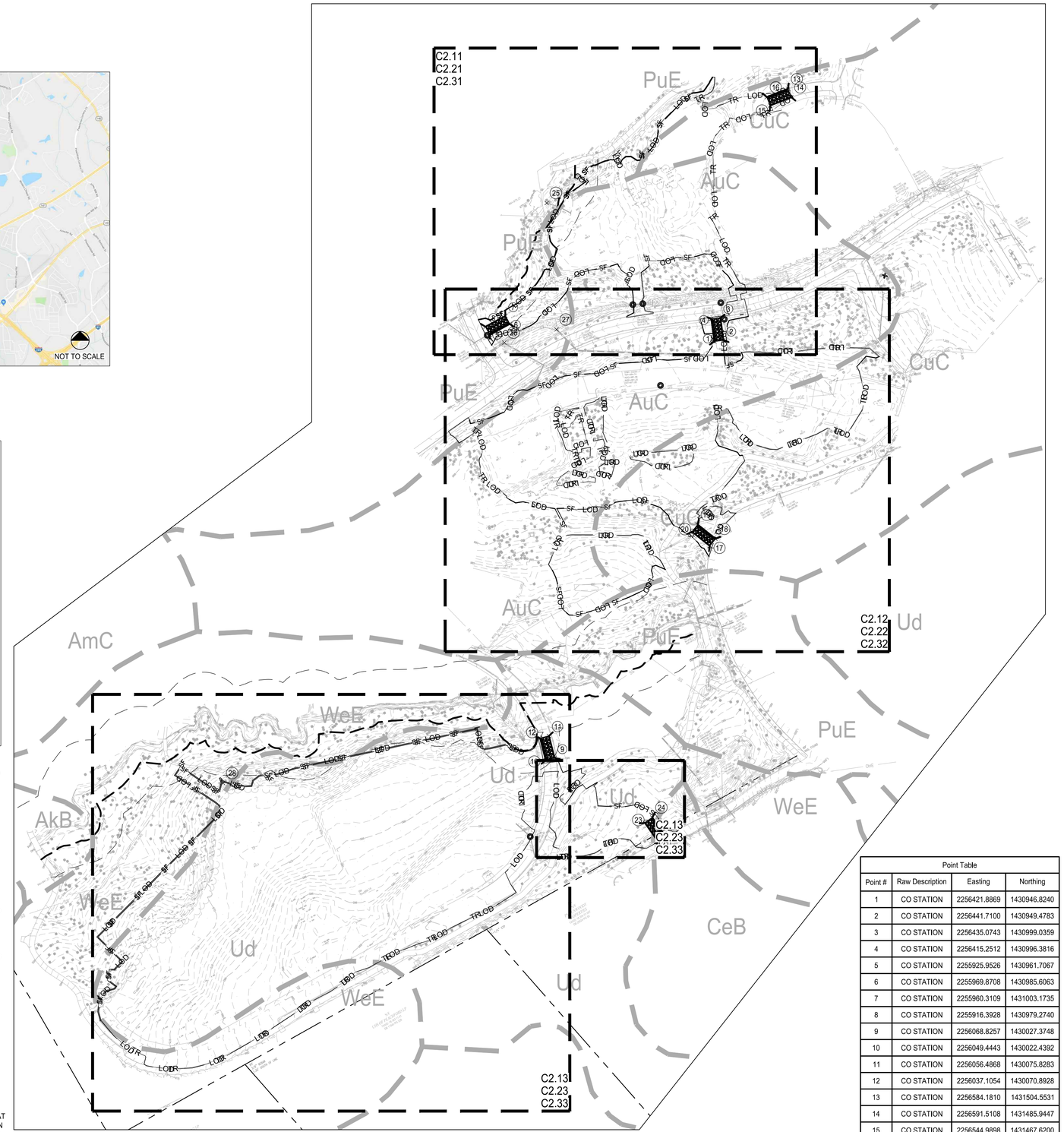
CITY OF DUNWOODY NOTES:

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.
- (F) CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN SECTION IV.D.6.D. OF THE NPDES PERMITS.
- (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.
- (Q) CERTIFIED PERSONNEL FOR PRIMARY PERMITTEES SHALL CONDUCT INSPECTIONS AT LEAST TWICE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER IN ACCORDANCE WITH SECTION IV.D.4.A.(3)(A) - (C); SECONDARY PERMITTEES, SECTION IV.D.4.B.(3)(A) - (C); AND TERTIARY PERMITTEES SECTION IV.D.4.C.(3)(A) - (C).

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.



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. A BARROW COUNTY 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. 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.
13. 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	Easting	Northing
1	CO STATION	2256421.8869	1430946.8240
2	CO STATION	2256441.7100	1430949.4783
3	CO STATION	2256435.0743	1430999.0359
4	CO STATION	2256415.2512	1430996.3816
5	CO STATION	2255925.9526	1430961.7067
6	CO STATION	2255969.8708	1430985.6063
7	CO STATION	2255960.3109	1431003.1735
8	CO STATION	2255916.3928	1430979.2740
9	CO STATION	2256068.8257	1430027.3748
10	CO STATION	2256049.4443	1430022.4392
11	CO STATION	2256056.4868	1430075.8283
12	CO STATION	2256037.1054	1430070.8928
13	CO STATION	2256584.1810	1431504.5531
14	CO STATION	2256591.5108	1431485.9447
15	CO STATION	2256544.9898	1431467.6200
16	CO STATION	2256537.6599	1431486.2284

Point Table			
Point #	Raw Description	Easting	Northing
17	CO STATION	2256411.6133	1430495.4722
18	CO STATION	2256424.0894	1430511.1037
19	CO STATION	2256385.0107	1430542.2941
20	CO STATION	2256372.5345	1430526.6626
21	CO STATION	2256297.0357	1429843.3394
22	CO STATION	2256313.3972	1429854.8416
23	CO STATION	2256268.2802	1429884.2430
24	CO STATION	2256284.6417	1429895.7452
25	SP1	2256051.5594	1431252.4576
26	SP2	2255957.9966	1430944.1799
27	SP3	2256073.3096	1430973.2640
28	SP4	2255336.7955	1429971.9187

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 PEYTON IRL LINGLE 001PEDELS171 ENGINEER 01/04/19

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

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

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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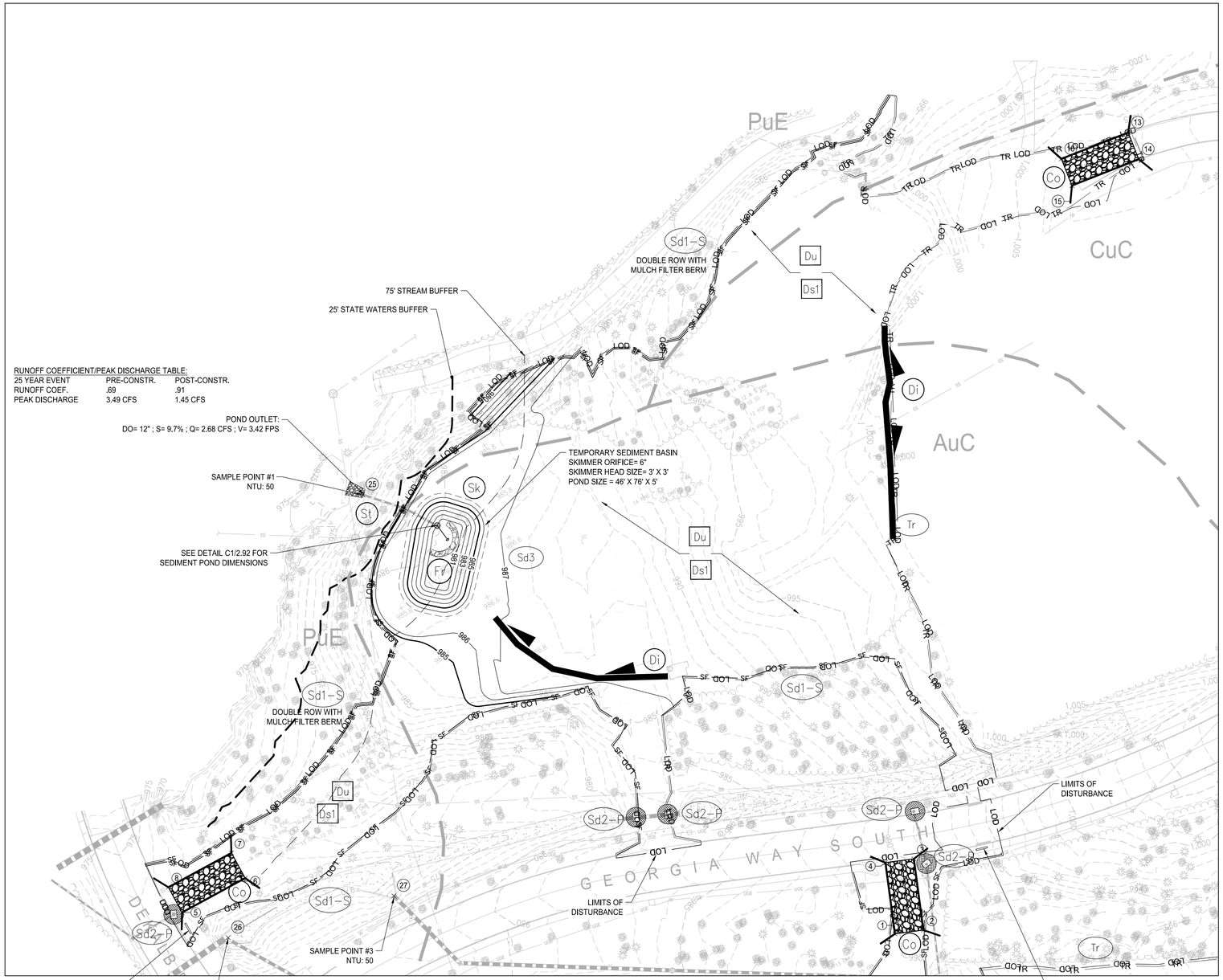

UNIFORM CODING SYSTEM
FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

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.
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 — 1/C2.92
- Di — Di — DIVERSION BERM — 3/C2.93
- Sk — Sk — FLOATING SURFACE SKIMMER — 3/C2.91
- Sd2-P — CURB INLET SEDIMENT TRAP — 5/C2.90

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:
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BRENT.WALKER@DUNWOODYGA.GOV

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No. PE041517
PROFESSIONAL
01/04/19
PEYTON IRL LINGLE
GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
GEORGIA
DUNWOODY

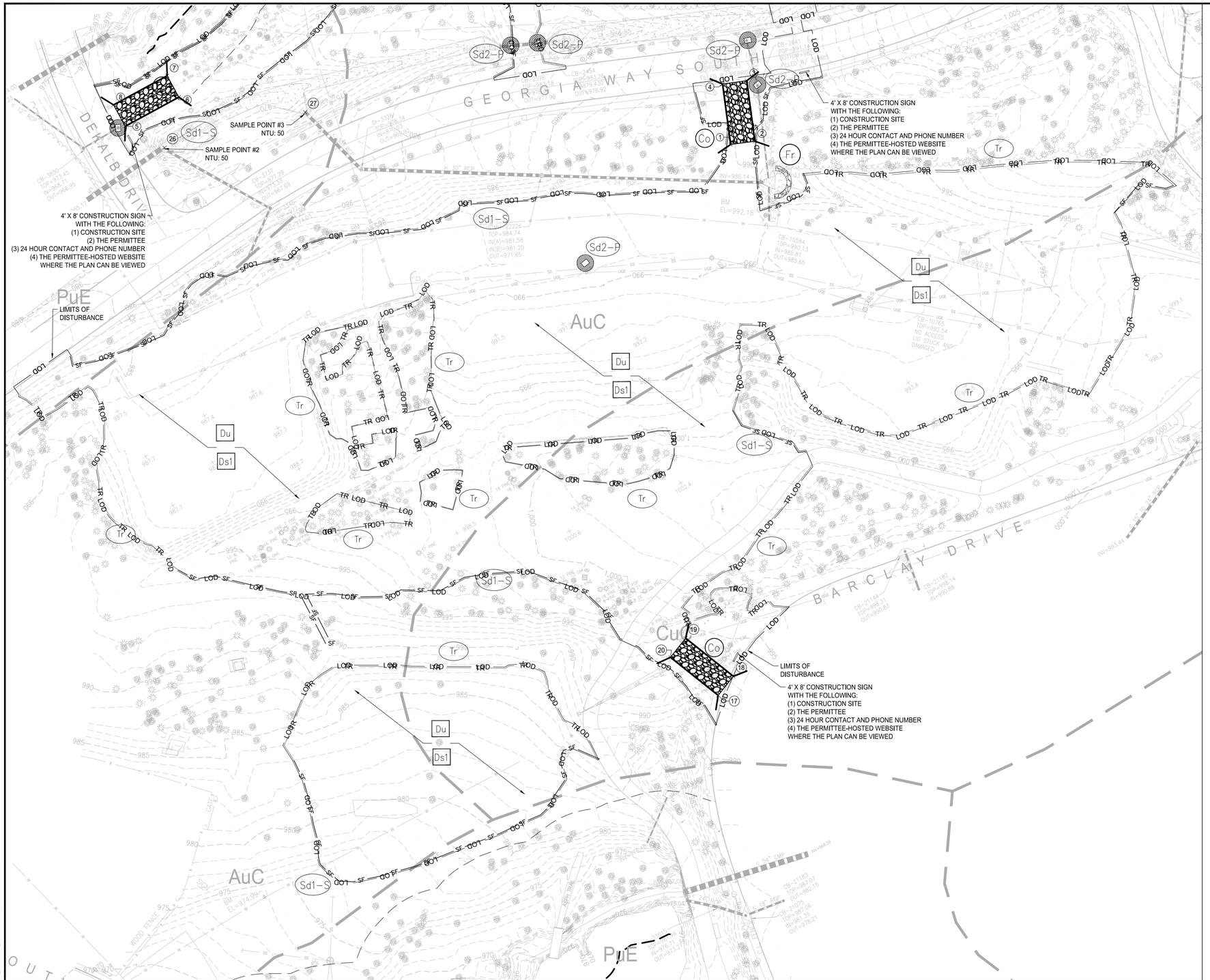
SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

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

I:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C210_ESPC PHASE 1_ESPEC.dwg - Printed on 2019-04-08 at 2:27:17 PM.



UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
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- TF — 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 — 1 / C2.92
- Di — Di — DIVERSION BERM — 3 / C2.93
- Sk — Sk — FLOATING SURFACE SKIMMER — 3 / C2.91
- Sd2-P — CURB INLET SEDIMENT TRAP — 5 / C2.90

NRCS SOILS TYPE LEGEND	
AkB	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
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TOTAL PROJECT AREA: ± 102.47-AC
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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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ISSUE FOR PERMIT	

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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POND OUTLET:
DO= 12" ; S= 0.5%; Q= 8.15 CFS; V= 10.37 FPS

SAMPLE POINT #4
NTU: 50

SEE DETAIL C1/2.92 FOR
SEDIMENT POND DIMENSIONS

DOUBLE ROW WITH
MULCH FILTER BERM

RUNOFF COEFFICIENT/PEAK DISCHARGE TABLE:

25 YEAR EVENT	PRE-CONSTR.	POST-CONSTR.
RUNOFF COEF.	.73	.85
PEAK DISCHARGE	65.45 CFS	64.90 CFS

TEMPORARY SEDIMENT BASIN
SKIMMER ORIFICE= 6"
SKIMMER HEAD SIZE= 3' X 3'
POND SIZE = 72' X 207' X 8'

LIMITS OF DISTURBANCE

LIMITS OF DISTURBANCE

LIMITS OF DISTURBANCE

1/4" CTP

1/8" REBAR
1.30' SOUTH OF LINE

GEORGIA WAY SOUTH

NRCS SOILS TYPE LEGEND	
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Ud	URBAN LAND
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UNIFORM CODING SYSTEM
FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

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- 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 — 1/C2.92
- Di — Di — DIVERSION BERM — 3/C2.93
- Sk — Sk — FLOATING SURFACE SKIMMER — 3/C2.91
- Sd2–F — CURB INLET SEDIMENT TRAP — 5/C2.90

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REGISTERED
No. PE0015177
PROFESSIONAL
01/04/19
ENGINEER
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
ISSUE FOR PERMIT	

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

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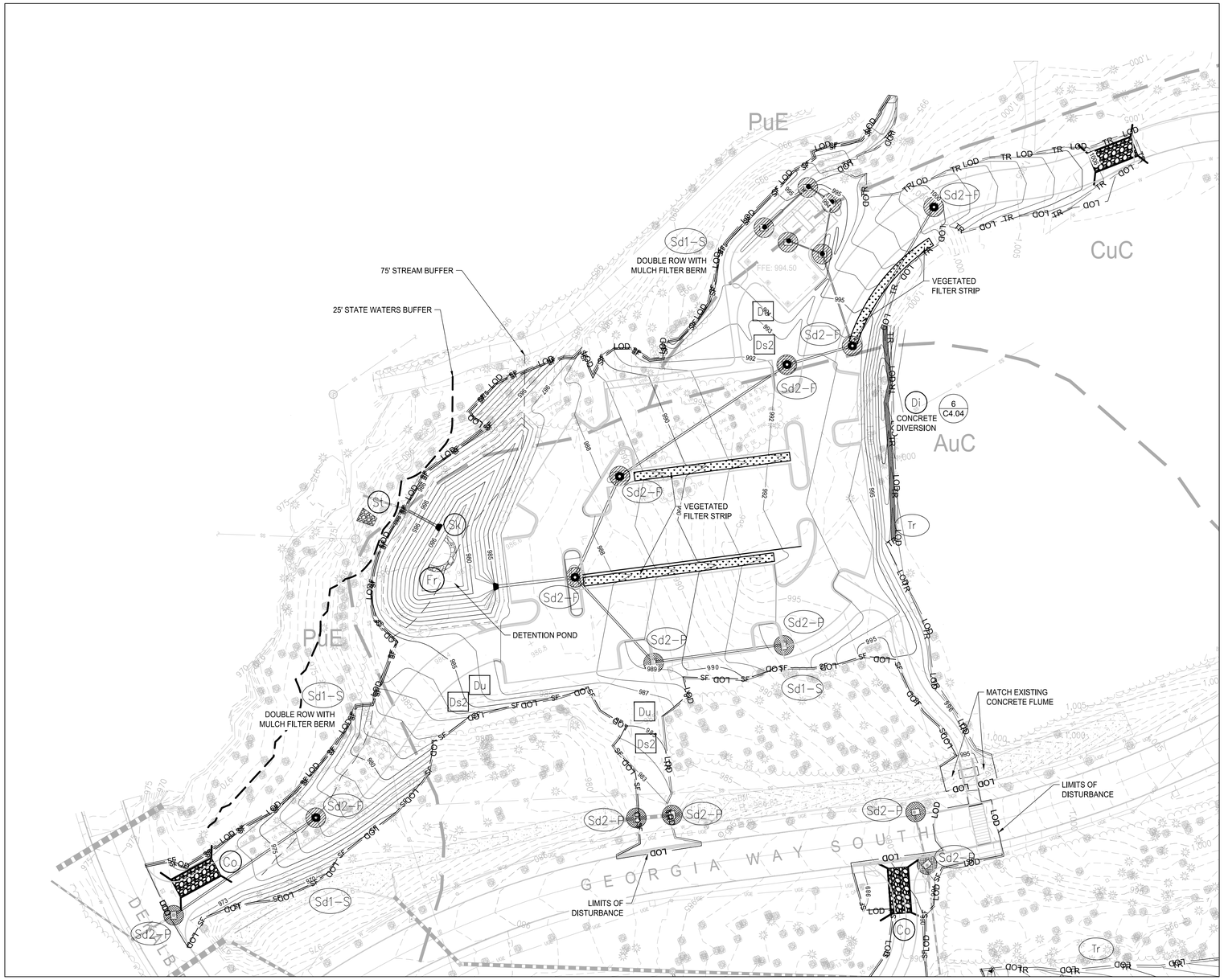

UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

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- TR — Tr — TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE — 4 / C2.91
- LOD — LIMITS OF CONSTRUCTION/ DISTURBANCE
- Di — Di — DIVERSION — 6 / C4.04
- 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-P — INLET SEDIMENT TRAP — 4 / C2.90
- Sd2-P — CURB INLET SEDIMENT TRAP — 5 / C2.90
- Cd-3 — TEMPORARY STONE CHECK DAM — 2 / C2.91
- Sk — Sk — FLOATING SURFACE SKIMMER — 3 / C2.91

NRCS SOILS TYPE LEGEND

AkB	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
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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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PARKS AND RECREATION DEPARTMENT
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GEORGIA REGISTERED No. PE041517 PROFESSIONAL ENGINEER PETTON IRL LINGLE 01/04/19

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

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS

NO.	DATE	DESCRIPTION

ISSUE FOR PERMIT

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

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- Sd2–P — INLET SEDIMENT TRAP — 4 C2.90
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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS

NO.	DATE	DESCRIPTION

ISSUE FOR PERMIT

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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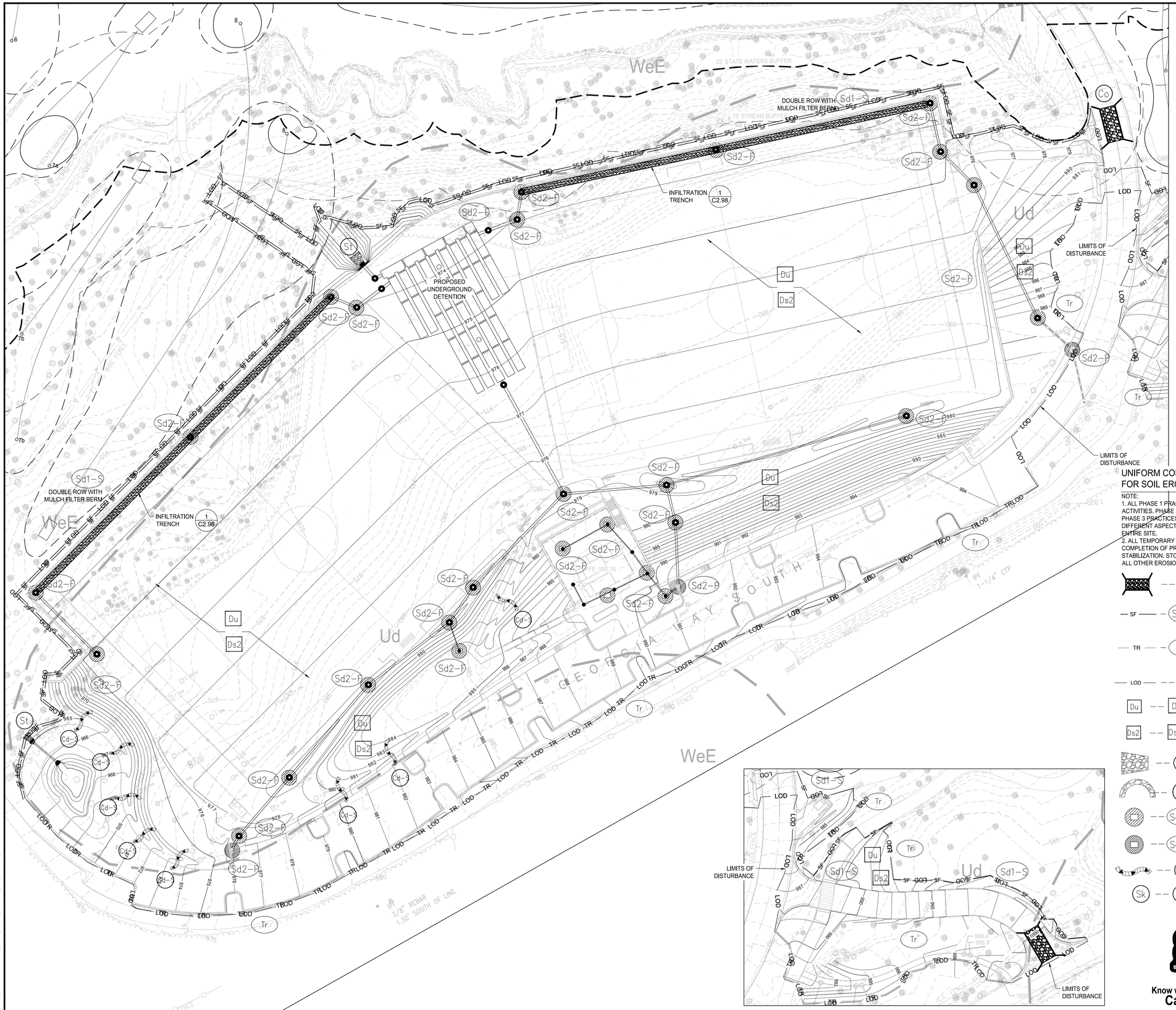

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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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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

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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.
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

Du — DUST CONTROL ON DISTURBED AREAS

Ds3 — PERMANENT DISTURBED AREA STABILIZATION

St — STORM DRAIN OUTLET PROTECTION

Ss — SLOPE STABILIZATION

Sk — FLOATING SURFACE SKIMMER

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

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GEORGIA REGISTERED PROFESSIONAL No. PE0015177 01/04/19 ENGINEER 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
ISSUE FOR PERMIT	

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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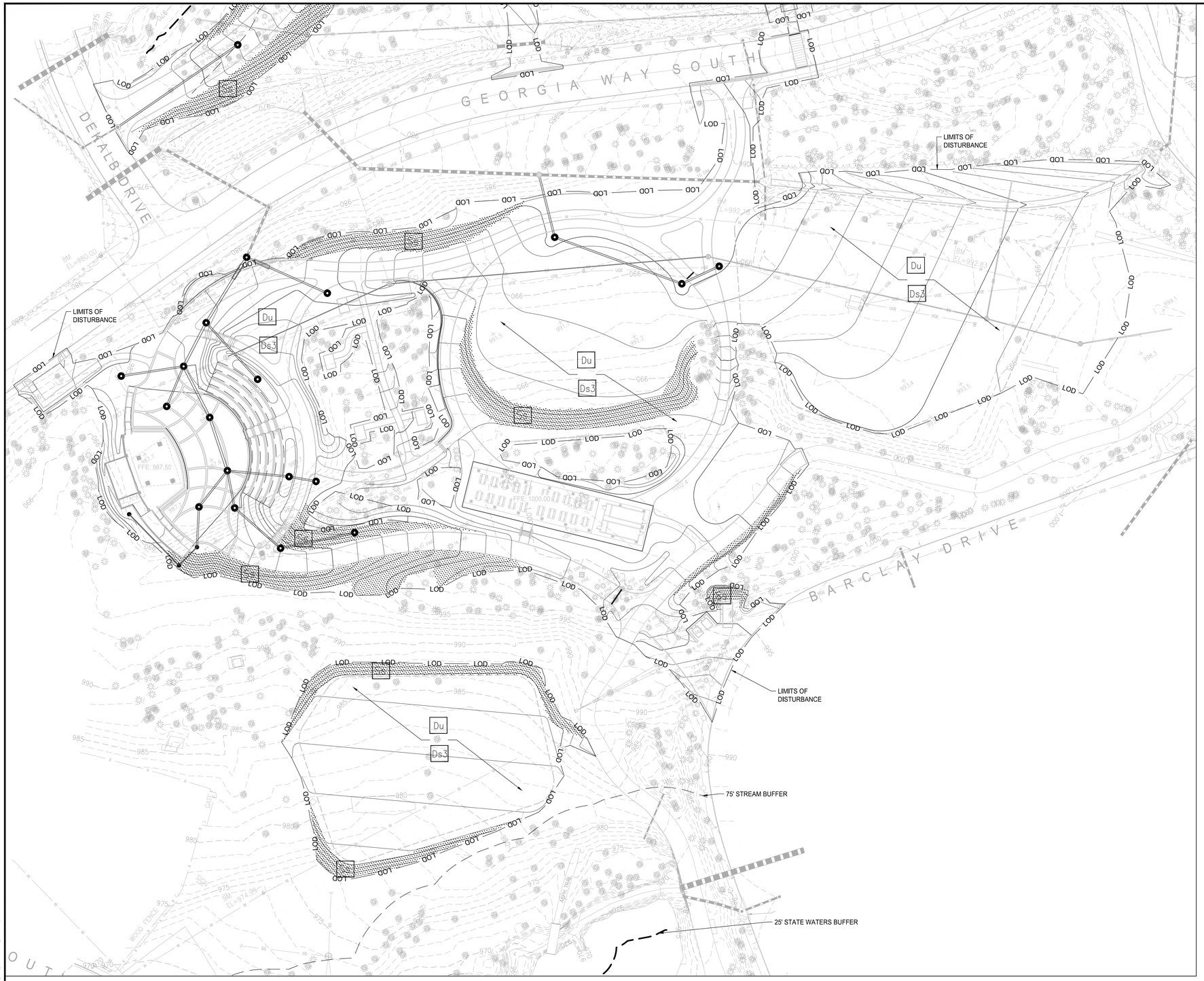

UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

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EXISTING USE: MUNICIPAL PARK
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TOTAL PROJECT AREA: ± 102.47-AC
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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE
ESPC PHASE 3

PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY CD	SCALE 1"=40'
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SHEET NO.
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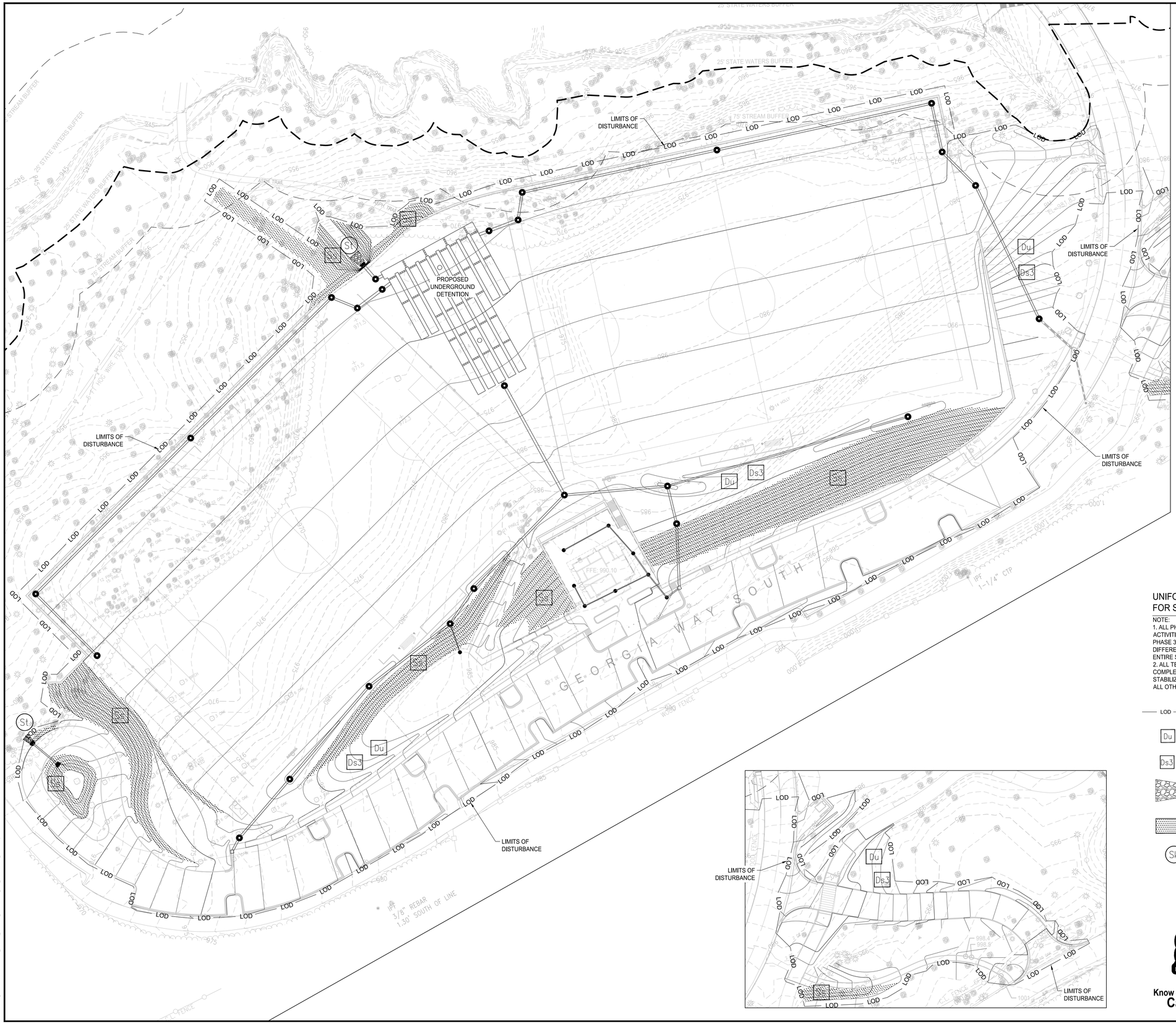

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TOTAL PROJECT AREA: ± 102.47-AC
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No. PE041517
PROFESSIONAL
01/04/19
ENGINEER
PEYTON IRL LINGLE

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

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

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ESPC PHASE 3

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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 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.

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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, 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 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:

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 II.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

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

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 SEGEMENT.

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 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: PLANITED 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.

PRIMARY PERMITTEE/24 HR. CONTACT:
BRENT WALKER
CITY OF DUNWOODY
PARKS AND RECREATION DEPARTMENT
4800 ASHFORD DUNWOODY ROAD
DUNWOODY, GA 30338
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SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL
No. PEDELL317
PROFESSIONAL ENGINEER
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
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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.

C2.41

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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.

PER NPDES PERMIT, GAR 100001 "SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. LARGE MOUTH, WELL-CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED TO COLLECTING SAMPLES. THE JARS SHOULD BE CLEANSED THOROUGHLY TO AVOID CONTAMINATION. MANUAL, AUTOMATIC OF RISING STAGE SAMPLING MAY BE UTILIZED.

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 RYE GRASS	50 LBS. 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	60 LBS.	
WEEPING GRASS OR	4 LBS.	3/1-6/15
COMMON BERMUDA, HULLED	6 LBS.	
FESCUE	40 LBS.	9/1-10/31
SERICEA LESPEDEZA, UNSCARIFIED	60 LBS.	
FESCUE	40 LBS.	
SERICEA LESPEDEZA, UNSCARIFIED	75 LBS.	11/1-2/28
RYE	50 LBS.	
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.

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)

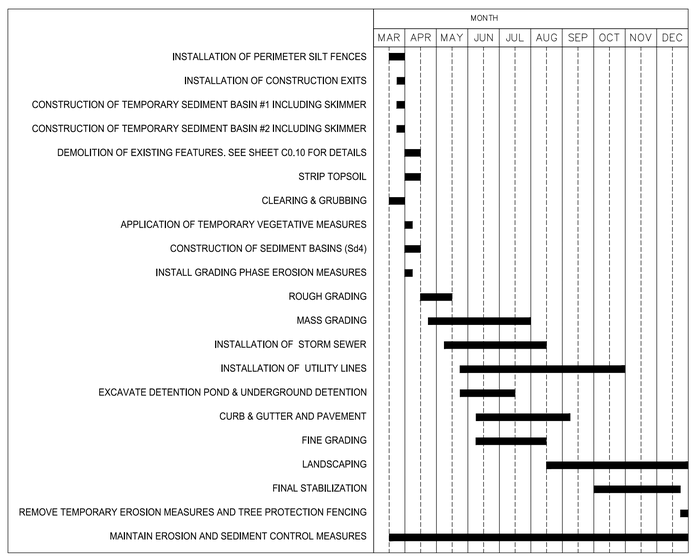
Surface Water Drainage Area, square miles

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



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

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

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GEORGIA REGISTERED PROFESSIONAL
No. PEDELS171
PROFESSIONAL
01/04/19
ENGINEER
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
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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

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EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS

SWCD: DeKALB COUNTY

Project Name: BROOK RUN PARK **Address:** 4770 NORTH PEACHTREE ROAD
City/County: DUNWOODY/DeKALB **Date on Plans:** 01-04-2019
Name & email of person filling out checklist: Peyton Lingle/ plingle@lose.design

TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included Y/N		
C2.43	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
C2.43	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)
C2.43	Y	3	Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist.* (A copy of the written approval by EPD must be attached to the plan for the Plan to be reviewed.)
C2.43	Y	4	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C2.43	Y	5	Provide the name, address, **email address**, and phone number of primary permittee.
C2.43	Y	6	Note total and disturbed acreage of the project or phase under construction.
C2.10	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C2.43	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C2.10	Y	9	Description of the nature of construction activity.
C2.10	Y	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C2.43	Y	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C2.40	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 19** of the permit.
C2.40	Y	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 19** of the permit.*
C2.42	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with **Part IV.A.5 page 25** of the permit.*
C2.42	Y	15	Clearly note the statement that "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."
C2.43	Y	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C2.42	Y	17	Clearly note the statement that "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."*
C2.42	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."*
C2.42	Y	19	Clearly note statement that "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."
C2.42	Y	20	Clearly note statement that "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."
C2.42	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
C2.41	Y	22	Any construction activity which discharges storm water 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 must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
C2.43	Y	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
C2.41	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
C2.41	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
C2.40	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
C2.41	Y	27	Description of practices to provide cover for building materials and building products on site.*
C2.41	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
C2.42	Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C2.41	Y	30	Provide complete requirements of inspections and record keeping by the primary permittee.*
C2.42	Y	31	Provide complete requirements of sampling frequency and reporting of sampling results.*
C2.42	Y	32	Provide complete details for retention of records as per Part IV.F. of the permit.*
C2.42	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location.*
C2.42	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
C2.11	Y	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
C2.42	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.*
ALL	Y	37	Graphic scale and North arrow.
ALL	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2,5 or 10

N/A	N/A	39	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	N/A	40	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
ALL	Y	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
ALL	Y	42	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
HYD	Y	43	Delineation and acreage of contributing drainage basins on the project site.
HYD	Y	44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
C2.11	Y	45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
C2.11	Y	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
ALL	Y	47	Soil series for the project site and their delineation.
ALL	Y	48	The limits of disturbance for each phase of construction.
HYD	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
ALL	Y	50	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
HYD	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
C2.42	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.

Effective January 1, 2019

CHECKLIST RESPONSES

1. CHECKLIST IS COMPLETED.
2. SIGNATURE, SEAL AND LEVEL II NUMBER MUST BE ON EACH SHEET PERTAINING TO ES&PC PLAN.
3. LIMITS OF DISTURBANCE IS LESS THAN 50 ACRES.
4. THE NAME AND NUMBER OF THE 24 HOUR EMERGENCY CONTACT IS ON ALL ES&PC SHEETS.
5. THE INFORMATION OF THE PRIMARY PERMITTEE IS ON ALL ES&PC SHEETS.
6. TOTAL AND DISTURBED ACRES IS NOTED ON ALL ES&PC SHEETS.
7. A POINT TABLE IS SHOWN ON SHEET C2.10. EACH CONSTRUCTION EXIT IS MARKED WITH FOUR COORDINATE POINTS.
8. ALL SHEETS SHOW PLAN SUBMISSION DATES AND REVISION DATES.
9. C2.10
10. C2.10
11. PROJECT RECEIVING WATERS NORTH FORK NANCY CREEK TRIBUTARY A. NO SENSITIVE ADJACENT AREAS WILL BE AFFECTED.
12. C2.40
13. C2.40
14. C2.42
15. C2.42
16. THERE ARE NO 25 FOOT STATE WATERS BUFFER ENCROACHMENTS ON THIS SITE.
17. C2.42
18. C2.42
19. C2.42
20. C2.42
21. C2.42
22. C2.41
23. TMDL COMPLETED FC 2003, TMDL COMPLETED BIO F 2008
24. C2.41
25. C2.41
26. C2.40
27. C2.41
28. C2.41
29. C2.42
30. C2.41
31. C2.42
32. C2.42
33. C2.42
34. C2.42
35. C2.11
36. C2.42
37. ALL SHEETS HAVE NORTH ARROW AND GRAPHIC SCALE.
38. CONTOUR LINES ARE LABELED CORRECTLY.
39. NO ALTERNATE BMPS ARE BEING USED, BUT WATER QUALITY BOXES ARE BEING ADDED FOR ADDITION TSS REMOVAL. SEE ATTACHED DETAIL SHEET FOR WATER QUALITY BOX SPECIFICATIONS.
40. NO ALTERNATE BMPS ARE BEING USED, BUT WATER QUALITY BOXES ARE BEING ADDED FOR ADDITION TSS REMOVAL. SEE ATTACHED DETAIL SHEET FOR WATER QUALITY BOX SPECIFICATIONS.
41. 25 FOOT AND 75 FOOT BUFFERS ARE LABELED.
42. ATTACHED WITH THIS SUBMITTAL IS HYDROLOGY MAPS AND HYDROLOGY REPORT.
43. ATTACHED WITH THIS SUBMITTAL IS HYDROLOGY MAPS AND HYDROLOGY REPORT.
44. ATTACHED WITH THIS SUBMITTAL IS HYDROLOGY MAPS AND HYDROLOGY REPORT.
45. PRE AND POST RUNOFF COEFFICIENTS ARE NOTED NEXT TO EACH SEDIMENT BASIN.
46. PIPE CHART IN ATTACHED HYDROLOGY REPORT SHOW PIPE DISCHARGE VELOCITIES.
47. SOILS ARE SHOWN ON ALL ES&PC SHEETS.
48. LIMIT OF DISTURBANCE IS SHOWN ON ALL ES&PC SHEETS.
49. ATTACHED WITH THIS SUBMITTAL IS SEDIMENT BASIN CALCULATIONS.
50. BEST MANAGEMENT PRACTICES LOCATIONS AND CODING SYMBOLS ARE CONSISTENT WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
51. SEDIMENT BASIN DESIGN DETAILS ARE ATTACHED WITH THIS SUBMITTAL.
52. C2.42

LOSE DESIGN
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GEORGIA REGISTERED No. PE041317 PROFESSIONAL 01/04/19 ENGINEER 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
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SHEET TITLE

ESPC CHECKLIST

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

SHEET NO.

C2.43

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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	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	0.13%	2.8	5.0	0.03	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.05
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	0.21%	3.0	5.2	0.01	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.05
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	0.55%	3.4	5.4	0.06	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.05
COA5-A7	8	HDPE	67.34	990.10	989.59	0.76%	0.012	25	1.1	0.49	8.11	0.21	0.9	0.48%	3.6	5.5	0.04	CLEANOUT PER DETAIL 1/C5.05	MANHOLE PER DETAIL 1/C5.04
COA4-COA5	6	HDPE	25.00	990.52	990.27	1.00%	0.012	25	1.1	0.31	9.38	0.07	0.2	0.14%	2.8	5.0	0.07	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.05
A6-A7	12	HDPE	111.93	994.90	989.35	4.96%	0.012	25	1.1	0.72	9.38	0.16	1.2	0.09%	7.7	5.0	0.16	MANHOLE PER DETAIL 3/2.97	MANHOLE PER DETAIL 3/2.97
A7-A8	12	HDPE	47.26	989.25	987.38	3.96%	0.012	25	1.1	0.39	8.02	0.74	2.6	0.45%	8.8	6.1	0.37	MANHOLE PER DETAIL 3/2.97	MANHOLE PER DETAIL 3/2.97
A8-A9	12	HDPE	140.00	987.38	983.19	2.99%	0.012	25	1.1	0.39	7.93	0.81	2.7	0.50%	8.0	6.2	0.07	MANHOLE PER DETAIL 3/2.97	PEDESTAL WEIR INLET PER DETAIL 3/C5.05
A9-A12	18	HDPE	76.75	982.94	982.17	1.00%	0.012	25	1.1	0.46	7.85	1.00	3.9	0.12%	5.8	6.5	0.19	PEDESTAL WEIR INLET PER DETAIL 3/5.05	PEDESTAL WEIR INLET PER DETAIL 3/C5.05
A10-A11	12	HDPE	91.40	987.00	984.03	3.25%	0.012	25	1.1	0.58	9.38	0.06	0.4	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	80.25	983.93	982.42	1.88%	0.012	25	1.1	0.63	8.17	0.07	0.4	0.01%	3.9	5.3	0.01	CATCH BASIN PER DETAIL 1/C2.96	PEDESTAL WEIR INLET PER DETAIL 3/C5.05
A12-A13	18	HDPE	54.48	981.92	981.13	1.45%	0.012	25	1.1	0.46	7.79	1.96	7.7	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	HDPE	25.08	976.67	975.93	2.95%	0.012	25	1.1	0.46	9.38	1.89	9.0	1.68%	10.7	5.0	1.89	HEADWALL PER DETAIL 2/C2.95	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	0.11%	4.4	5.0	0.17	SOLID INLET PER DETAIL 3/C2.95	EXISTING CATCH BASIN
C1-C2	12	HDPE	33.91	987.08	986.60	1.42%	0.012	25	1.1	0.20	9.38	0.63	1.3	0.12%	5.0	5.0	0.63	SOLID INLET PER DETAIL 3/C2.95	SOLID INLET PER DETAIL 3/C2.95
C2-C3	12	HDPE	111.45	986.60	985.49	1.00%	0.012	25	1.1	0.26	9.94	1.18	3.3	0.75%	5.5	5.1	0.55	SOLID INLET PER DETAIL 3/C2.95	SOLID INLET PER DETAIL 3/C2.95
C3-EX.STMH22226	12	HDPE	53.17	985.39	981.58	7.17%	0.012	25	1.1	0.28	8.23	1.71	4.4	1.31%	12.6	5.4	0.53	SOLID INLET PER DETAIL 3/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	0.02%	6.9	5.0	0.09	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/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	0.04%	8.1	5.1	0.04	GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/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	0.05%	4.9	5.3	0.05	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
D10-D11	18	HDPE	46.19	980.40	980.00	0.87%	0.012	25	1.1	0.50	8.19	0.63	2.8	0.06%	5.1	5.4	0.11	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/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	0.12%	5.8	5.5	0.12	GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/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	0.02%	3.0	5.0	0.04	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.05
COD4-D5	6	HDPE	21.13	984.46	982.75	8.09%	0.012	25	1.1	0.20	9.94	0.05	0.1	0.03%	4.9	5.3	0.01	CLEANOUT PER DETAIL 1/C5.05	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
D5-D6	12	HDPE	25.96	982.24	981.98	1.00%	0.012	25	1.1	0.20	8.17	0.09	0.2	0.00%	2.4	5.4	0.04	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
D6-D10	12	HDPE	37.90	981.88	981.50	1.00%	0.012	25	1.1	0.20	8.15	0.18	0.3	0.01%	3.0	5.6	0.09	GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/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	0.00%	4.3	5.0	0.05	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
D9-D10	12	HDPE	56.34	983.17	980.80	4.21%	0.012	25	1.1	0.48	8.24	0.16	0.7	0.03%	6.2	5.1	0.11	GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
D12-D14	12	HDPE	35.76	980.30	979.93	1.03%	0.012	25	1.1	0.95	9.38	0.04	0.4	0.01%	3.2	5.0	0.04	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
D13-D14	12	HDPE	52.00	980.45	979.93	1.00%	0.012	25	1.1	0.20	9.38	0.05	0.1	0.00%	2.1	5.0	0.05	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
D14-D16	18	HDPE	40.42	979.33	978.92	1.01%	0.012	25	1.1	0.57	8.08	0.87	4.4	0.15%	6.0	6.1	0.03	GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
D16-D18	18	HDPE	63.34	978.82	978.13	1.09%	0.012	25	1.1	0.57	7.93	1.00	5.0	0.20%	6.4	6.2	0.11	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	JUNCTION BOX PER DETAIL 2/C5.05
D18- EX CB 3345	18	HDPE	49.19	978.03	974.21	7.77%	0.012	25	1.1	0.56	7.88	1.25	6.1	0.29%	13.8	6.3		JUNCTION BOX PER DETAIL 2/C5.05	EXISTIN CATCH BASIN
D15-D16	12	HDPE	62.94	985.00	978.92	9.66%	0.012	25	1.1	0.46	9.38	0.02	0.1	0.00%	4.5	5.0	0.02	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
D17-D18	12	HDPE	72.70	982.20	978.63	4.91%	0.012	25	1.1	0.50	9.38	0.25	1.3	0.11%	7.8	5.0	0.25	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	JUNCTION BOX PER DETAIL 2/C5.05
E1-E2	18	HDPE	14.11	971.83	971.76	0.50%	0.012	25	1.1	0.89	9.38	0.58	5.3	0.22%	4.8	5.0	0.58	CATCH BASIN PER DETAIL 1/C2.96	GRATE INLET PER DETAIL 3/C2.95
E2-E3	18	HDPE	69.96	971.66	971.30	0.51%	0.012	25	1.1	0.77	8.25	0.74	5.2	0.21%	4.9	5.0	0.16	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
E3-E4	18	HDPE	110.31	971.20	970.65	0.50%	0.012	25	1.1	0.68	8.18	0.87	5.3	0.22%	4.9	5.3	0.13	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/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	0.23%	4.9	5.7	0.06	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
COE5-E6	6	HDPE	27.30	977.00	970.99	22.01%	0.012	25	1.1	0.20	9.38	0.06	0.1	0.04%	7.2	5.0	0.06	CLEANOUT PER DETAIL 1/C5.05	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
E6-E7	18	HDPE	38.30	969.99	969.80	0.50%	0.012	25	1.1	0.62	7.98	1.07	5.8	0.27%	4.9	6.0	0.08	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
E7-E18	18	HDPE	117.64	969.70	969.11	0.50%	0.012	25	1.1	0.61	7.93	1.13	6.0	0.28%	5.0		0.06	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
E8-E17	12	HDPE	226.10	974.76	972.50	1.00%	0.012	25	1.1	0.27	9.38	0.31	0.9	0.05%	4.0	5.0	0.31	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
COE9-COE10	6	HDPE	46.14	985.50	985.04	1.00%	0.012	25	1.1	0.95	9.38	0.04	0.4	0.42%	3.3	5.0	0.04	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.05
COE10-COE11	6	HDPE	33.53	984.94	984.61	0.98%	0.012	25	1.1	0.95	8.20	0.08	0.7	1.29%	3.5	5.2	0.04	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.05
COE11-E13	8	HDPE	23.61	984.51	984.27	1.02%	0.012	25	1.1	0.88	8.15	0.11	0.9	0.44%	4.0	5.4	0.03	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.06
COE13-COE14	8	HDPE	26.52	984.17	983.90	1.02%	0.012	25	1.1	0.90	8.12	0.14	1.1	0.72%	4.2	5.5	0.03	CLEANOUT PER DETAIL 1/C5.05	CLEANOUT PER DETAIL 1/C5.07
COE14-E15	10	HDPE	14.30	983.80	983.65	1.05%	0.012	25	1.1	0.86	8.09	0.17	1.3	0.31%	4.5	5.6	0.03	CLEANOUT PER DETAIL 1/C5.06	CATCH BASIN PER DETAIL 1/C2.96
E15-E16	18	HDPE	58.07	982.98	975.10	13.57%	0.012	25	1.1	0.81	8.08	0.37	2.7	0.06%	13.2	5.6	0.20	CATCH BASIN PER DETAIL 1/C2.96	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
E16-E17	18	HDPE	35.00	975.00	972.10	8.29%	0.012	25	1.1	0.80	8.06	0.38	2.7	0.06%	11.2	5.7	0.01	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
E17-E18	18	HDPE	93.53	972.00	969.11	3.09%	0.012	25	1.1	0.56	7.99	0.70	3.5	0.09%	8.5	6.0	0.01	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	JUNCTION BOX PER DETAIL 2/C5.05
E18-WQ 3	24	HDPE	112.74	968.61	968.05	0.50%	0.012	25	1.1	0.58	7.92	1.90	9.6	0.16%	5.6	6.4	0.07	JUNCTION BOX PER DETAIL 2/C5.05	WATER QUALITY BOX PER DETAIL 3/2.96
WQ 3-UD	24	HDPE	4.19	967.95	967.93	0.48%	0.012	25	1.1	0.56	7.78	1.99	9.6	0.15%	5.6	6.7	0.09	WATER QUALITY BOX PER DETAIL 3/C2.96	UNDERGROUND DETENTION
ADS12A-ADS12B	6	HDPE	22.99	985.80	985.17	2.74%	0.012	25	1.1	0.90	9.38	0.01	0.1	0.02%	3.1	5.0	0.01	ADS DRAIN BASIN PER DETAIL 4/C2.95	ADS DRAIN BASIN PER DETAIL 4/C2.95
ADS12B-ADS12	6	HDPE	30.76	985.07	984.71	1.17%	0.012	25	1.1	0.90	9.94	0.01	0.1	0.02%	2.3	0.1	0.01	ADS DRAIN BASIN PER DETAIL 4/C2.95	ADS DRAIN BASIN PER DETAIL 4/C2.95
ADS12-COE13	6	HDPE	40.90	984.81	984.27	1.32%	0.012	25	1.1	0.94	8.15	0.04	0.3	0.30%	3.5	0.3	0.03	ADS DRAIN BASIN PER DETAIL 4/C2.95	CLEANOUT PER DETAIL 1/C5.05
F1-F2	18	HDPE	78.61	971.18	970.39	1.00%	0.012	25	1.1	0.20	9.38	0.09	0.2	0.00%	2.4	5.0	0.09	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
F2-F3	18	HDPE	198.65	970.29	968.30	1.00%	0.012	25	1.1	0.20	8.11	0.16	0.3	0.00%	2.7	5.5	0.07	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
F3-F4	18	HDPE	179.78	968.20	966.41	1.00%	0.012	25	1.1	0.20	7.77	0.25	0.4	0.00%	3.1	6.8	0.09	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
F4-F5	18	HDPE	25.22	966.31	966.18	0.52%	0.012	25	1.1	0.20	7.51	0.30	0.5	0.00%	2.6	7.7	0.05	GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
F5-F6	24	HDPE	18.00	965.53	965.39	0.78%	0.012	25	1.1	0.20	7.46	2.45	4.0	0.03%	5.3	7.9	2.15	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
F6-WQ 1	24	HDPE	10.43	966.01	965.96	0.50%	0.012	25	1.1	0.20	7.45	2.45	4.0	0.03%	4.5	8.0		GRATE INLET PER DETAIL 3/C2.95	WATER QUALITY BOX PER DETAIL 4/C2.96
WQ1-UD	24	HDPE	9.43	965.29	965.24	0.53%	0.012	25	1.1	0.20	7.44	2.45	4.0		4.6	8.0		WATER QUALITY BOX PER DETAIL 4/C2.96	UNDERGROUND DETENTION
G1-G2	18	HDPE	133.48	976.95	972.50	3.33%	0.012	25	1.1	0.81	9.38	0.26	2.2	0.04%	7.6	5.0	0.26	JUNCTION BOX PER DETAIL 2/C5.05	GRATE INLET PER DETAIL 3/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	0.03%	8.3	5.3	0.05	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
G3-G4	18	HDPE	45.00	970.40	970.17	0.51%	0.012	25	1.1	0.44	8.16	0.85	3.3	0.09%	4.4	5.4	0.54	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
G4-G5	18	HDPE	198.50	970.07	969.08	0.50%	0.012	25	1.1	0.41	8.11	0.98	3.6	0.10%	4.4	5.6	0.13	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
G5-G6	18	HDPE	180.00	968.98	968.08	0.50%	0.012	25	1.1	0.39	7.89	1.06	3.6	0.10%	4.4	6.3	0.08	GRATE INLET PER DETAIL 3/C2.95	GRATE INLET PER DETAIL 3/C2.95
G6-G7	18	HDPE	25.16	967.98	967.85	0.52%	0.012	25	1.1	0.38	7.71	1.11	3.6	0.10%	4.5	7.0	0.05	GRATE INLET PER DETAIL 3/C2.95	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95
G7-WQ2	24	HDPE	28.04	967.35	967.21	0.50%	0.012	25	1.1	0.38	7.68	3.26	10.4	0.18%	5.8	7.1	2.15	PEDESTRIAN GRATE INLET PER DETAIL 3/C2.95	WATER QUALITY BOX PER DETAIL 5/C2.96
WQ 2-UD	24	HDPE	9.43	967.11	967.07	0.42%	0.012	25	1.1	0.38	7.66	3.26	10.4		5.4	7.2		WATER QUALITY BOX PER DETAIL 5/C2.96	UNDERGROUND DETENTION
UD-H1	24	HDPE	7.10	964.94	964.83	1.55%	0.012	25	1.1	0.67	SEE HYDROCAD RESULTS FOR DETAILED CALCS						8.15	UNDERGROUND DETENTION	JUNCTION BOX PER DETAIL 2/C5.05
H1-H2	24	HDPE	16.07	964.73	964.49	1.49%	0.012	25	1.1	0.67							0.01	JUNCTION BOX PER DETAIL 2/C5.05	HEADWALL PER DETAIL 2/C2.95
J1-J2	60	CONCRETE	13.03	994.20	993.30	6.91%	0.015	25	1.1	0.20	9.38	0.37	0.8	0.00%	5.1	5.0	0.37	HEADWALL PER DETAIL 2/C2.95	EXISTING CATCH BASIN
L1-L2	12	HDPE	27.94	964.50	963.00	5.37%	0.012	25	1.1	0.81	9.38	0.11	0.9	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
PEYTON IRL LINGLE
No. PE015171
PROFESSIONAL
01/04/19
ENGINEER

GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

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

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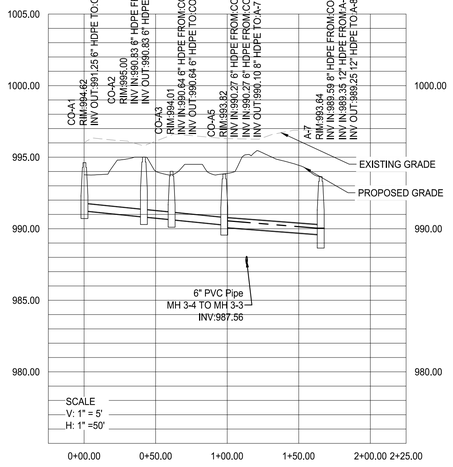

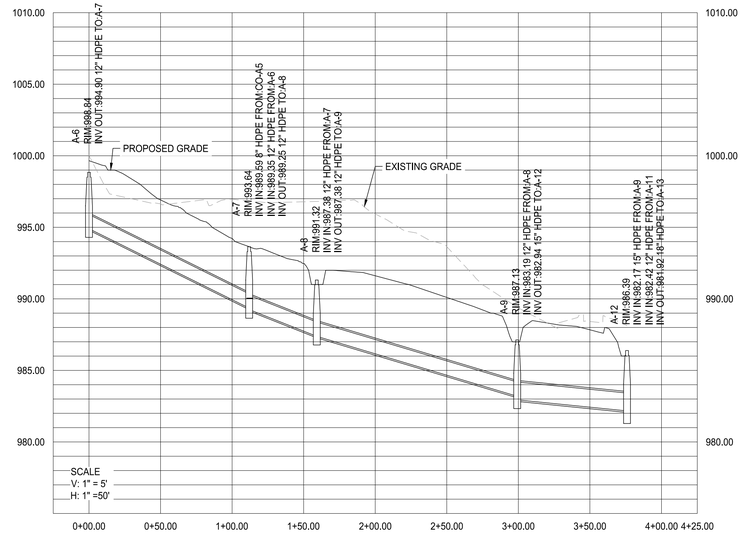

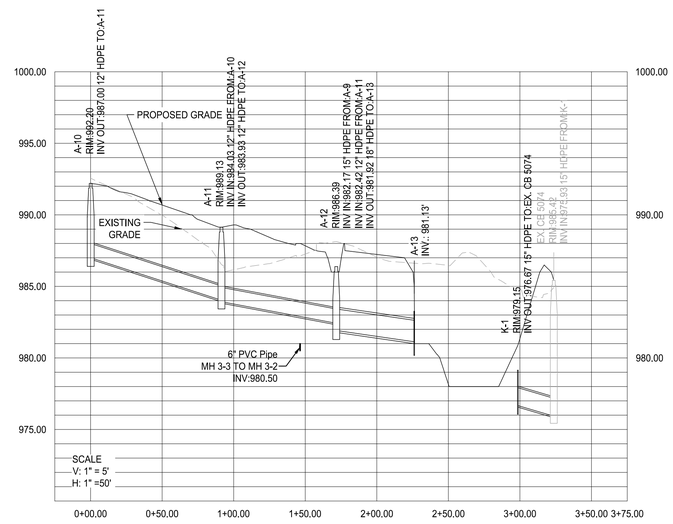

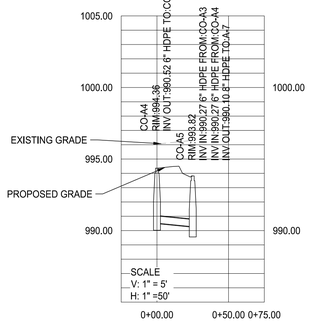

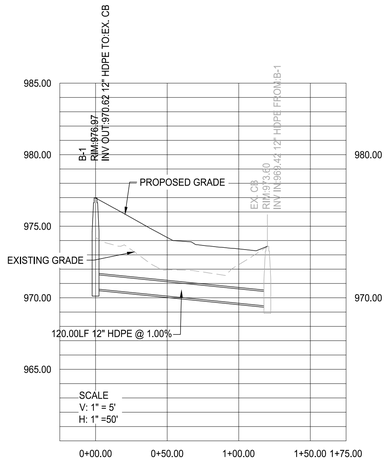

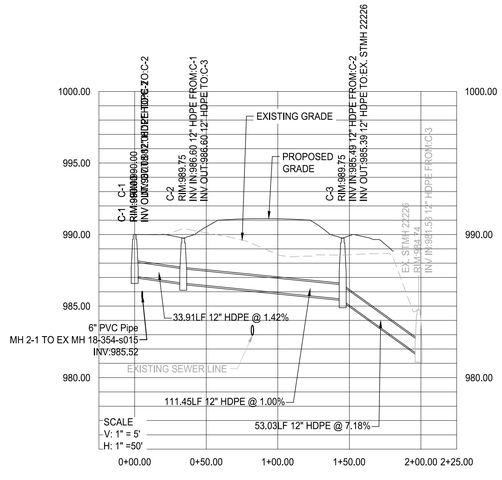

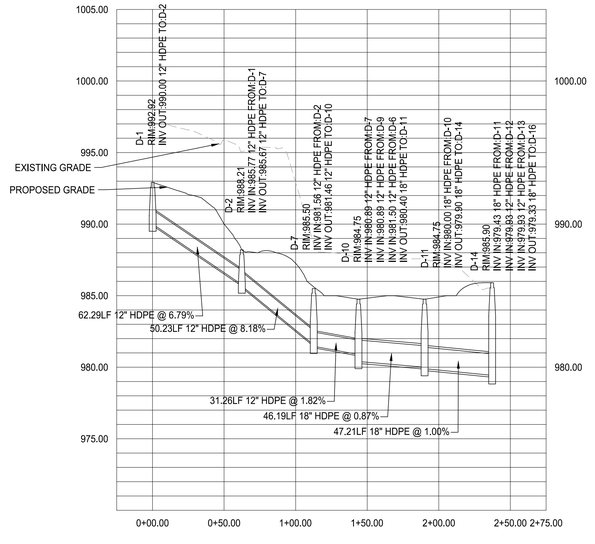

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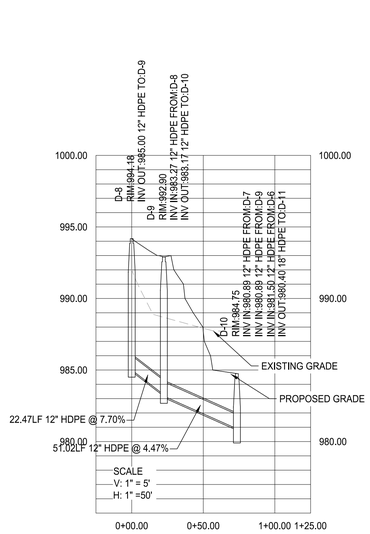

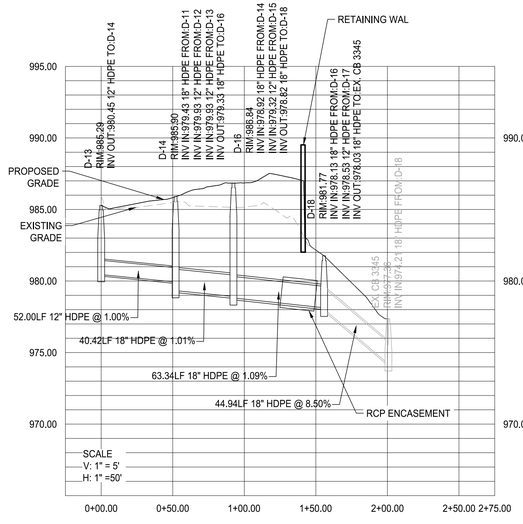

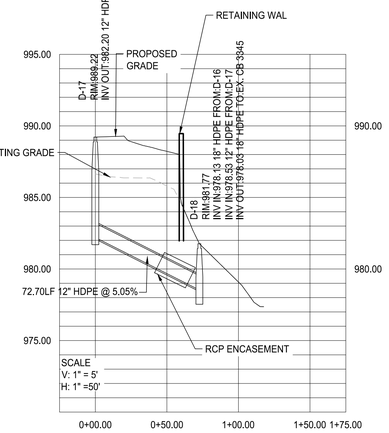

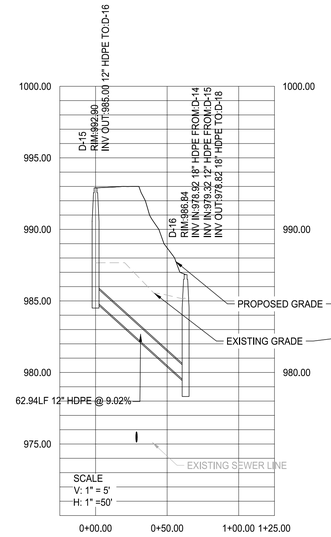

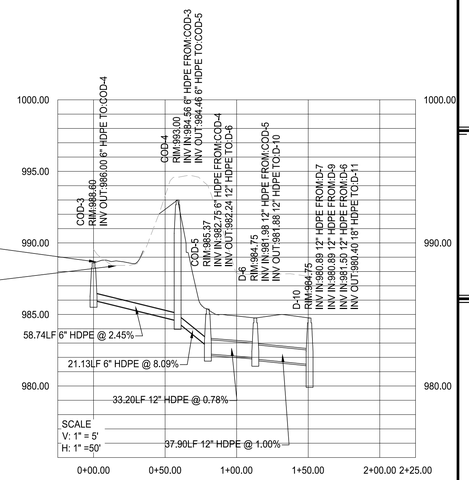

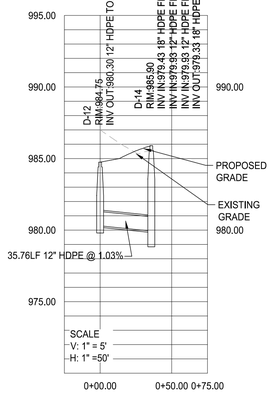

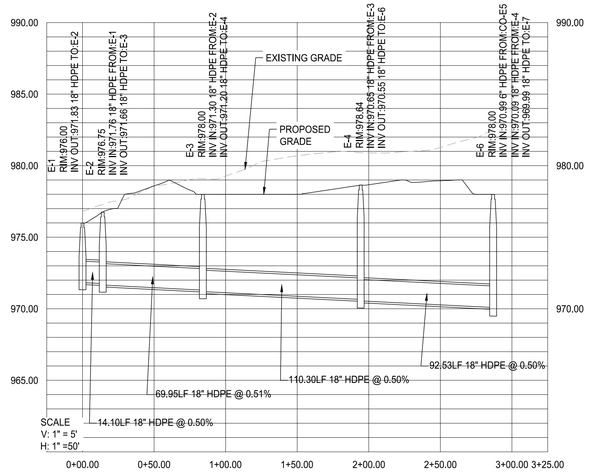

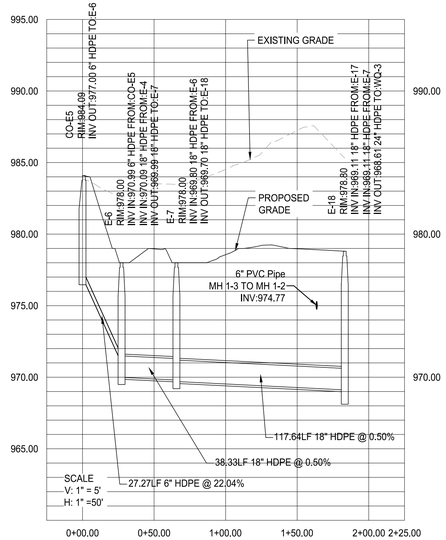

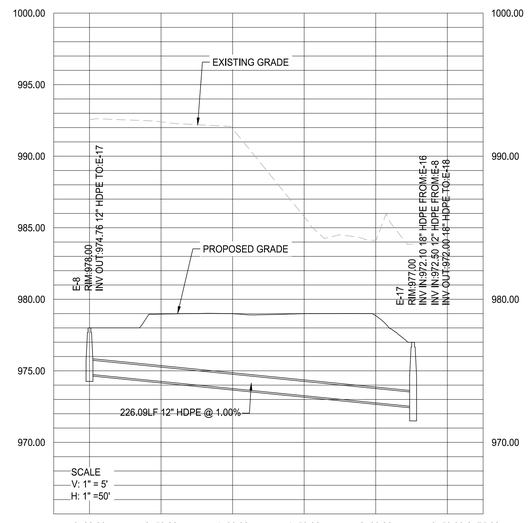

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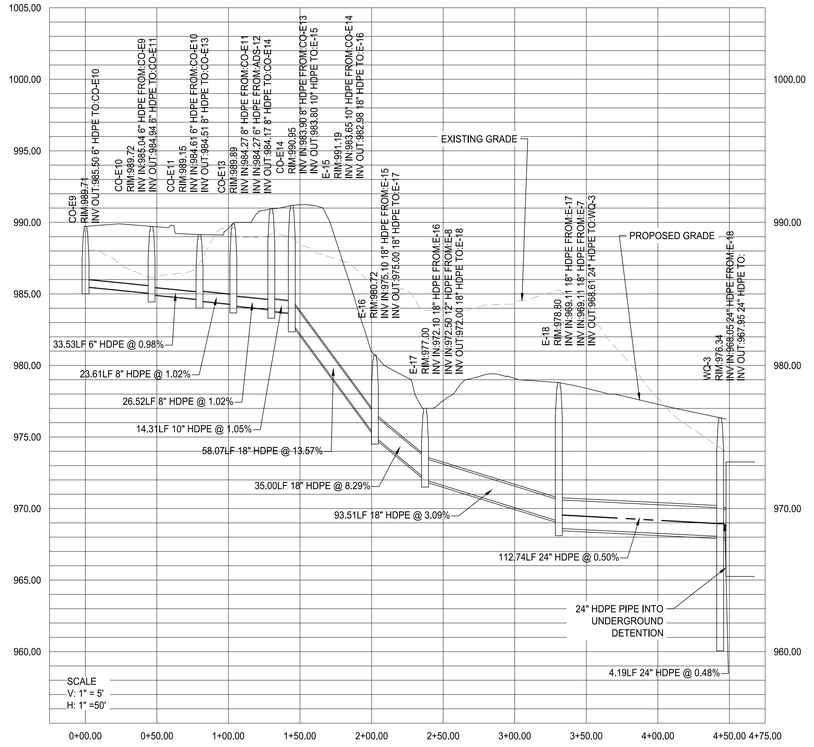

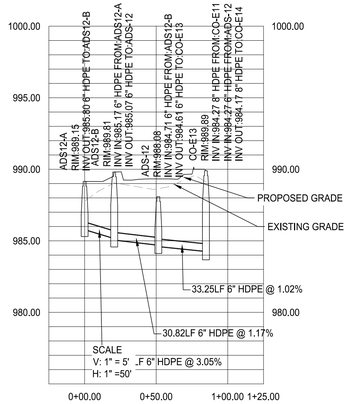

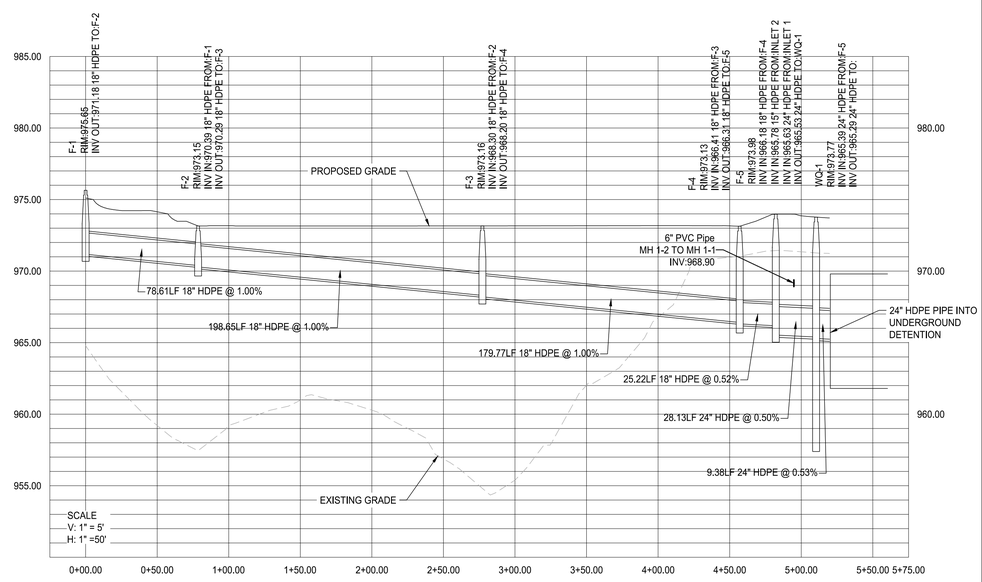

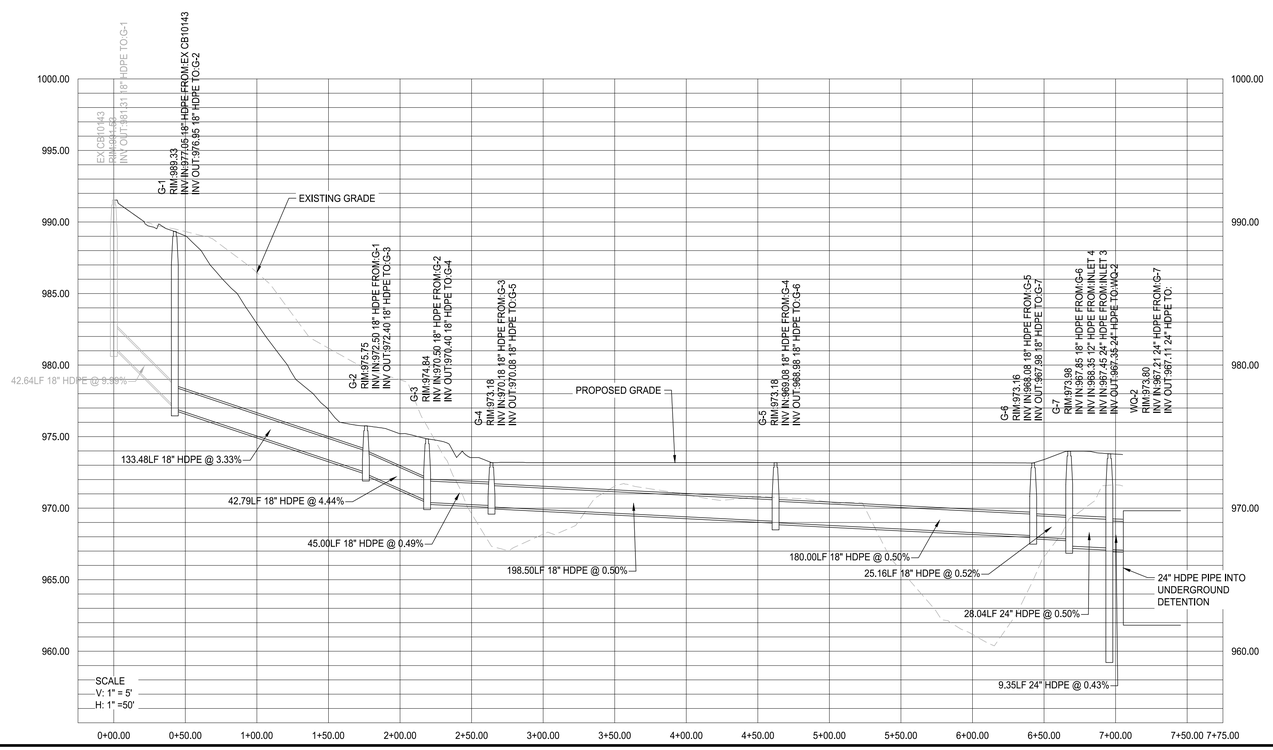

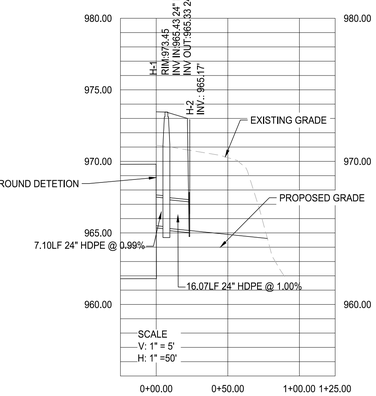

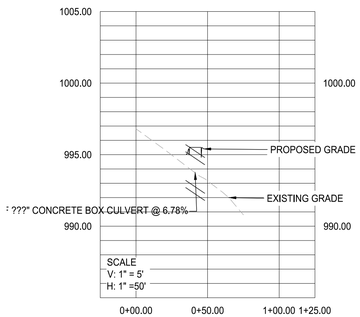

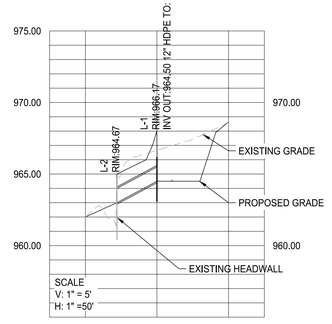

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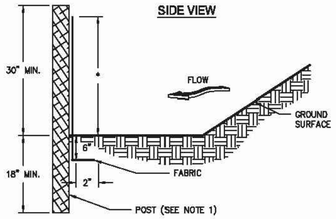
1 SILT FENCE - TYPE SENSITIVE

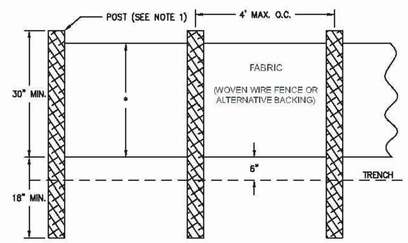
SCALE: NTS

SILT FENCE - TYPE SENSITIVE

SIDE VIEW



FRONT VIEW



NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Figure 6-27.2

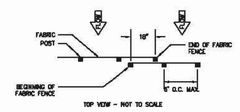
GSWCC Amended - 2012 6-196

Table 6-27.2 Post Size			
Type	Min Length	Type of Post	Size of Post
NS	4'	Soft wood Oak Steel	3"dia or 2x4 1.5"x1.5" 1.3lb./ft. min
S	4'	Steel Oak	1.3lb./ft. min 2"X2"

Table 6-27.3 Fasteners for Wood Posts				
	Guage	Crown	Legs	Staples / Post
Wire Staples	17 min.	3/4" wide	1/2" long	5 min.
	Guage	Length	Button Heads	Nail/ Post
Nails	14 min.	1"	3/4"	4 min.
Note: Filter Fabric may also be attached to the post by wire, chors, and pockets or any other method provided minimum P-factor, as required by GSWCC, is met.				

FASTENERS FOR SILT FENCES

OVERLAP AT FABRIC ENDS



NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

Figure 6-27.5

GSWCC Amended - 2012 6-197

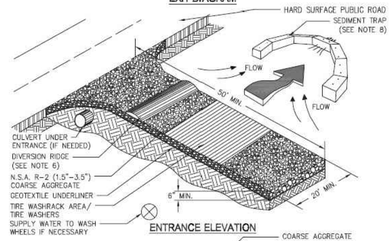
2 CONSTRUCTION EXIT

SCALE: NTS

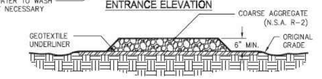
MAINTENANCE
The exit shall be maintained in a condition that will prevent tracking or flow of mud onto public rights-of-way. This may require periodic top dressing with 1.5-3.5 inch stone, as conditions demand, and repair and/or cleanout of any structures to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles or site onto roadways or into storm drains must be removed immediately.

CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM



ENTRANCE ELEVATION



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

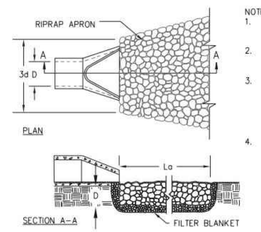
Figure 6-14.1

GSWCC 2016 Edition 6-90

3 STORM DRAIN OUTLET PROTECTION

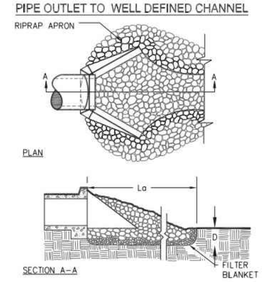
SCALE: NTS

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESSTHAN 6".
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

PIPE OUTLET TO WELL DEFINED CHANNEL

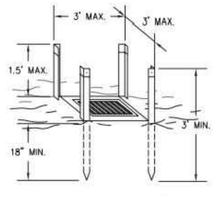


4 INLET SEDIMENT TRAP

SCALE: NTS

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND TYPE C SILT FENCE INSTALLATION



NOTES:
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

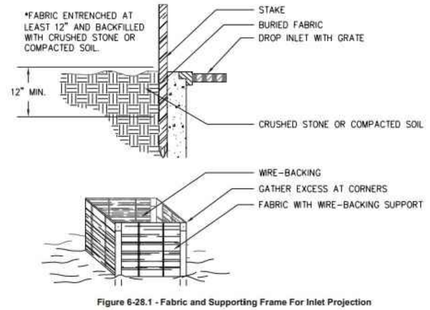
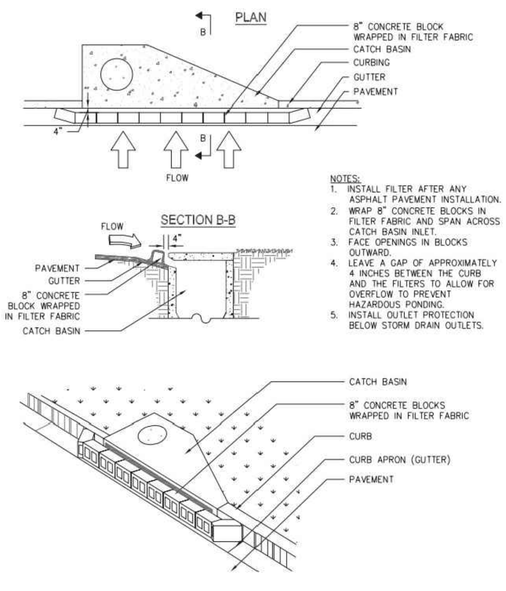


Figure 6-28.1 - Fabric and Supporting Frame For Inlet Projection

5 CURB INLET SEDIMENT TRAP

SCALE: NTS

CURB INLET FILTER "PIGS IN BLANKET"



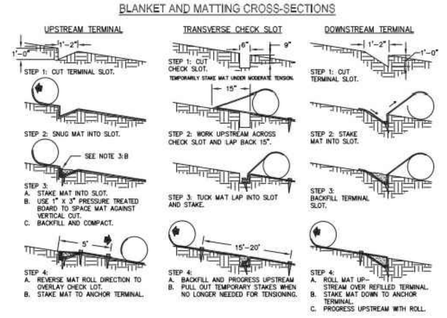
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.

6 SLOPE STABILIZATION

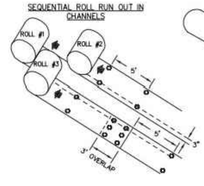
SCALE: NTS

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

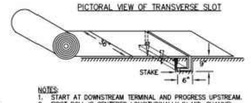
BLANKET AND MATTING CROSS-SECTIONS



SEQUENTIAL ROLL RUN OUT IN CHANNELS



PICTORAL VIEW OF TRANSVERSE SLOT



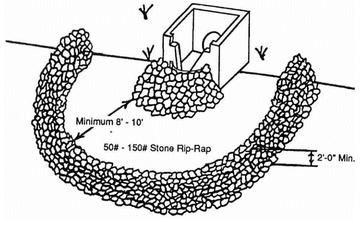
NOTES:
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
5. USE 3" OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
6. USE 3" OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets

6-71 GSWCC 2016 Edition

7 FILTER RING

SCALE: NTS



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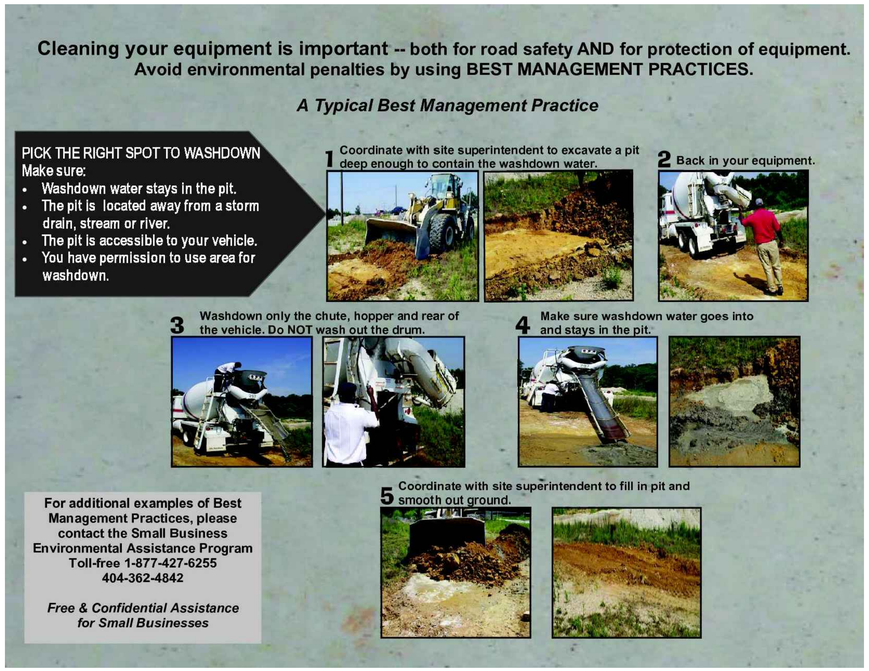

1 CONCRETE WASHDOWN PROCEDURE
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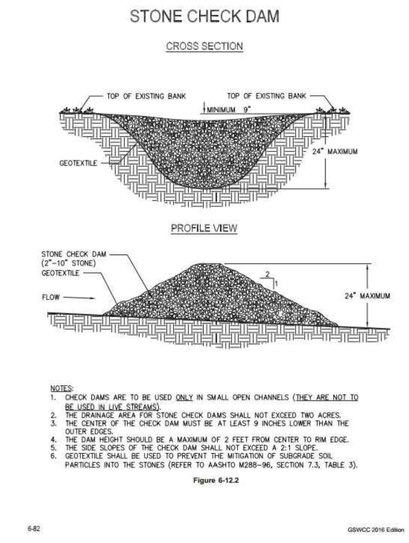

STONE CHECK DAM

CROSS SECTION

PROFILE VIEW

NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

Figure 6-12.2

STONE CHECK DAM

SPACING BETWEEN CHECK DAMS

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

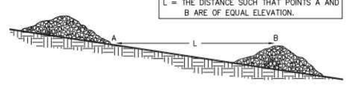


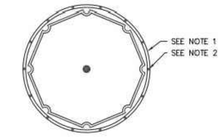
Figure 6-12.1

2 CHECK DAM
SCALE: NTS

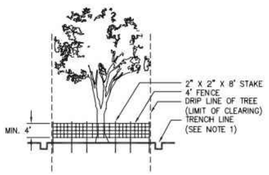
TREE PROTECTION

"SNOW" FENCE

PLAN



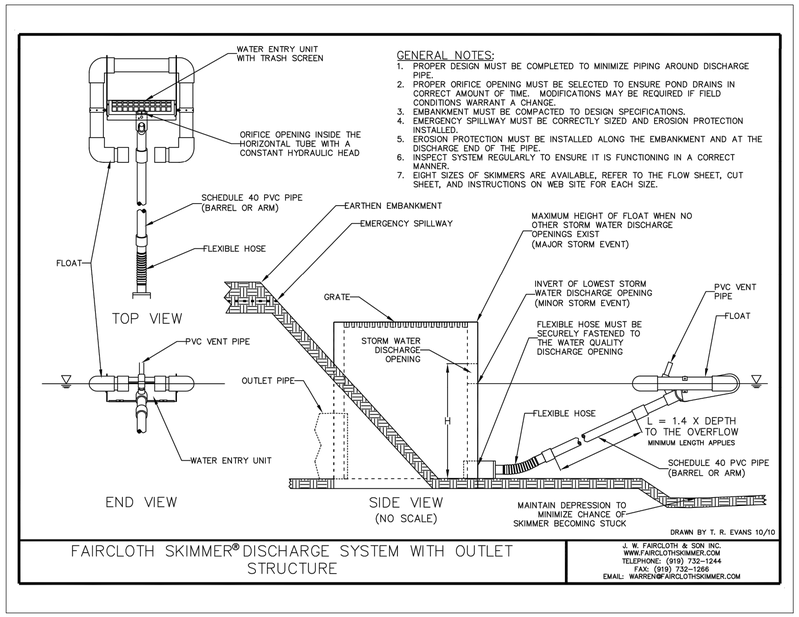
CROSS-SECTION



NOTES:
1. USE TRENCHER (I.E. DITCH WHICH) TO CUT A 4"-5" W X 18" D TRENCH ALONG DRIP LINE (LIMIT OF CLEARING) AND BACKFILL WITH SAND AND LIGHTLY COMPACT.
2. SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 6 FEET ON CENTER-REBAR IS NOT TO BE USED FOR STAKES).
3. MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS.
4. DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED AREA.
5. FENCE SHALL BE ORANGE VINYL "SNOW FENCE" 4' HIGH MINIMUM.

Figure 6-38.1

3 TREE PROTECTION
SCALE: NTS

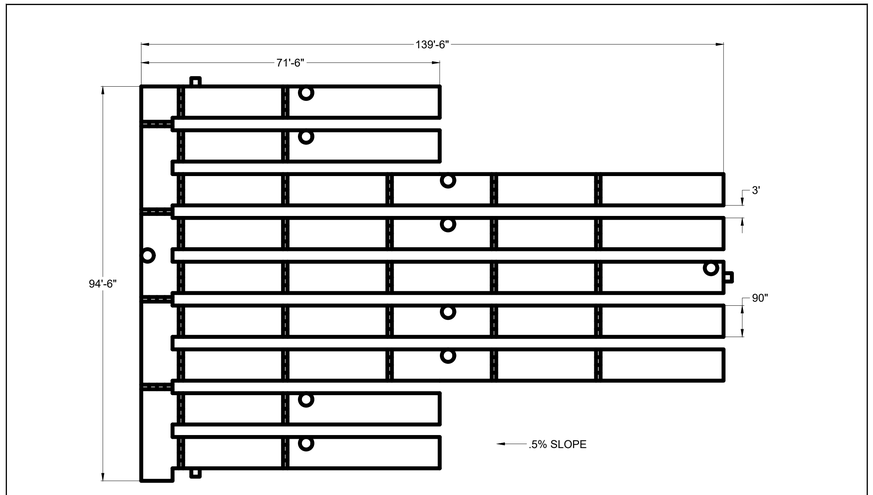


GENERAL NOTES:
1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
6. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
7. EIGHT SIZES OF SKIMMERS ARE AVAILABLE, REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE FOR EACH SIZE.

FAIRCLOTH SKIMMER® DISCHARGE SYSTEM WITH OUTLET STRUCTURE

J. W. FAIRCLOTH & SON INC.
WWW.FAIRCLOTHSKIMMER.COM
TELEPHONE: (919) 732-1244
FAX: (919) 732-1266
EMAIL: WARREN@FAIRCLOTHSKIMMER.COM

4 FLOATING SURFACE SKIMMER
SCALE: NTS



SYSTEM LAYOUT
90", 12 GA, 5X1, AT2

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

5 UNDERGROUND DETENTION
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PE 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
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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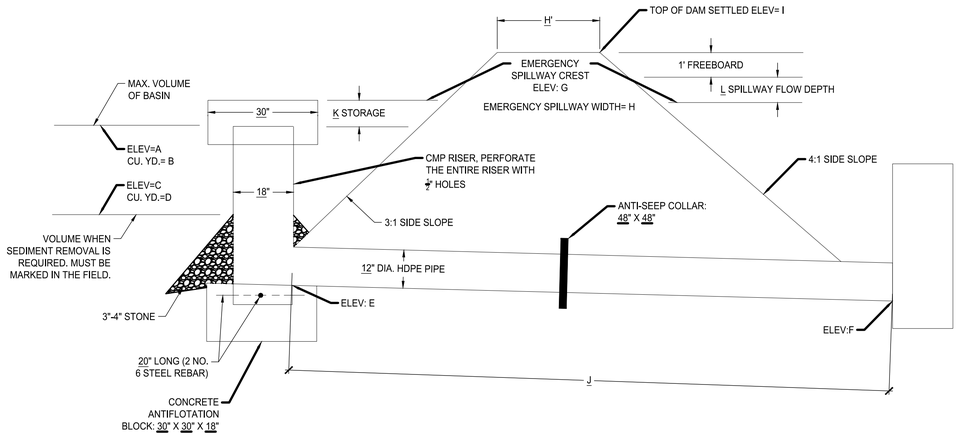
ISSUE FOR PERMIT

SHEET TITLE
DRAINAGE AND ESPC DETAILS

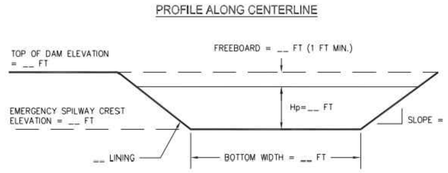
PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY LC/TF	SCALE NTS
CHECKED BY MB	

SHEET NO.
C2.91

01170000\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C09_DRAINAGE AND ESPC DETAIL_SERIES.dwg - Printed on 2019-01-03 at 7:46:30 PM



CROSS-SECTIONAL DETAIL OF EMERGENCY SPILLWAY



EMERGENCY SPILLWAY

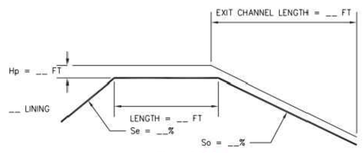
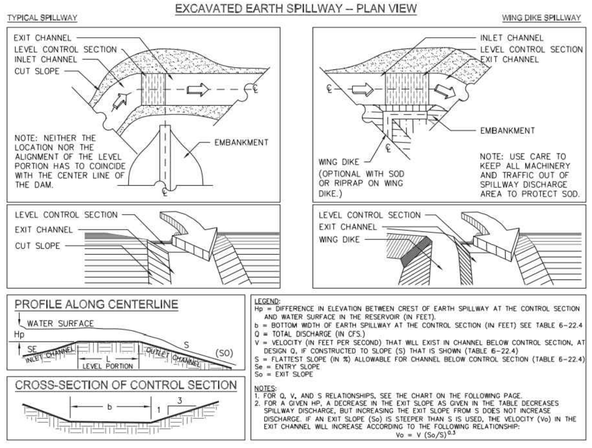


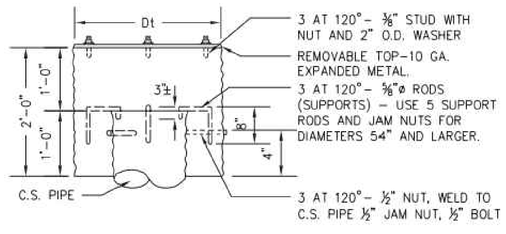
Figure 6-29.8

	SEDIMENT BASIN #1	SEDIMENT BASIN #2
A	982.50'	969.50'
B	64.00 CY	1,038.00 CY
C	981.80'	966.50'
D	21.00 CY	341.00 CY
E	981.50'	965.00'
F	9875.27'	964.90'
G	984.50'	972.50'
H	8.00'	10.00'
I	986.00'	974.00'
J	54.00'	80.10'
K	2.00'	3.00'
L	0.50'	0.50'

EXCAVATED EARTH SPILLWAY -- PLAN VIEW



TYPICAL TRASH RACK



1 TEMPORARY SEDIMENT BASIN
SCALE: NTS

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 = 982.00 ft — 8" minimum pipe diameter
H = 2.50 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 = 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 = 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.
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 = -5 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.

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 = 8865.00 sf (determined by stage/storage relationship)
Available area >= SAmin? yes

10. Compute req'd length to achieve 2:1 L:W ratio.
Average width = 80.30 ft
Req'd Length = 2*ave width = 160.60 ft
Available Length = 177.40 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 = 0.50 ft
b = 10.00 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 = 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 = 973.00 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 = 974.00 ft
Actual top of dam= 974.00 ft

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

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER PEYTON IRL LINGLE No. PE015177 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

ISSUE FOR PERMIT

SHEET TITLE
DRAINAGE AND ESPC DETAILS

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

SHEET NO.
C2.92

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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.

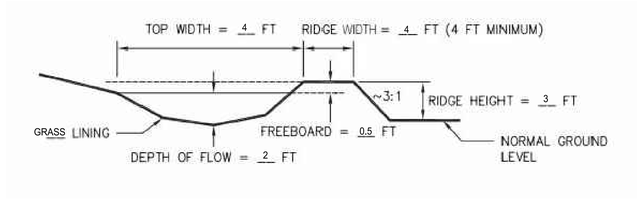
1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
SCALE: NTS

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

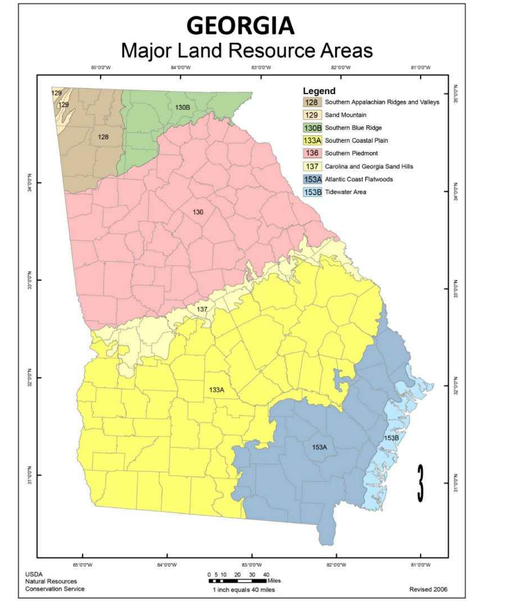


Figure 6-4.1

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

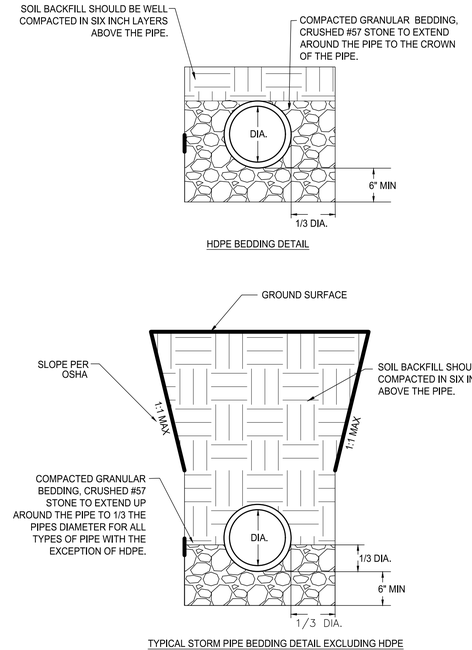
Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.) J F M A M J J A S O N D	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
BARLEY *Hordeum vulgare*					
alone	3 bu. (144 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 *Genova 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		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
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
MILLET, PEARL *Pennesetum glaucum*					
alone	50 lbs	1.1 lbs	M-L		89,000 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 cereale*					
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		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
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft			
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 Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs
(see Figure 6-4.1, p. 6-40)

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



5 STORM PIPE BEDDING
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GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
- -	-
- -	-
- -	-
- -	-
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ISSUE FOR PERMIT	

SHEET TITLE
DRAINAGE AND ESPC DETAILS

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

SHEET NO.
C2.93

G:\17302\e17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C290_DRAINAGE AND ESPC DETAIL_SERIES.dwg - Printed on 2019-01-03 at 7:45:49 PM,

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

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft		J F M A M J J A S O N D	
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 lb	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			P		
with temporary cover	10 lbs	0.2 lb			Plant with winter annuals.
with other perennials	6 lbs	0.1 lb	C		Plant with Tall Fescue

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

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft		J F M A M J J A S O N D	
BERMUDA SPRIGS *Cynodon dactylon*					
Coastal, Common, Midland, or Tift 44	40 cu ft or sod plugs 3' x3'	0.9 cu ft	M-L P C		A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 springs.
Coastal, Common, of Tift 44					Same as above.
Tift 78			C		Southern Coastal Plain only
CENTIPEDE *Eremochloa ophuiroides*					
	Block sod only		P C		Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in con-centrated 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 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 inocu-lant. Use from North Atlanta and Northward.

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

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft		J F M A M J J A S O N D	
FESCUE, TALL *Festuca arundinacea*					
alone	50 lbs	1.1 lb	M-L P		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			
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 P 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. Inocu-late seed with EL inoculant.
unscarified	75 lbs	1.7 lb	M-L P C		Mix with Tall fesue or winter annuals.
seed- bearing hay	3 tons	1338 lbs	M-L P C		Cut when seed mixture is mature, but be-fore, it shatters. Add Tall fescue or winter annuals.

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

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft		J F M A M J J A S O N D	
LESPEDEZA Ambro virgata *Lespedeza virgata DC* or Appalow *Lespedeza cuneata (Dumont) G. Don)*					
scarified	60 lbs	1.4 lb	M-L P C		300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban ar-eas. Spreading-type growth. New growth has bronze coloration. Mix with weeping loveg-rass, 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 P C		
LESPEDEZA, SHRUB *Lespedeza bicolor* *Lespedeza thumbergii*					
plants	3' x3'		M-L P C		Provide wildlife food and cover.
LOVEGRASS, WEEPING *Eragrostis curvula*					
alone	4 lbs	0.1 lb	M-L P 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 6-5.2- Permanent Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER [1]

Species	Broadcast Rates		Resource Area[3]	Planting Dates by Resource Area (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
	Rate Per Acre[2]	Pure Live Seed (PLS) Per 1000 sqft		J F M A M J J A S O N D	
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 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 perennials	30 lbs	0.7 lb	P		Grows similar to Tall fescue
SUNFLOWER, 'AZTEC' MAXIMILLIAN *Helianthus maximiliani*					
	10 lbs	0.2 lb	M-L P 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

Table 6-5.4.

Trees for Erosion Control

SITE	SOIL MATERIAL	COMMON SOILS	PLANTING TREE SPECIES[1]	SPACING	PLANTING DATES[5]
Borrow areas, graded areas, and spoil material	Sandy	Lakeland, Troup	Loblolly pine (Pinus taeda) Longleaf pine (Pinus palustris)	[2]	M-L,P 12/1-3/15 C 12/1-3/1
	Loamy	Orangeburg, Tifton	Loblolly pine Slash pine Loblolly pine	[2]	M-L,P 12/1-3/15 C 12/1-3/1
	Clay	Cecil, Faceville	Slash pine Virginia pine (Pinus virginiana)	[2]	M-L,P 12/1-3/15 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 Vallevs 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.

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 Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 1/2/ 30
2. Cool season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. 1/ — —
3. Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 lbs./ac. 3/ 1300 lbs./ac. 3/ 1100 lbs./ac.	— — —
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First Maintenance	0-10-10 0-10-10	700 lbs./ac. 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 Second Maintenance	6-12-12 6-12-12 10-10-10	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 2/6/ 50-100 lbs./ac. 2/ 30 lbs./ac.
8. Warm season grasses and legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 lbs./ac. 1000 lbs./ac. 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.

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 salicifoluis '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.

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 com-pacta'	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 Parsonii)	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.	

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.

1 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
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

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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SHEET TITLE
DRAINAGE AND ESPC DETAILS

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

SHEET NO.
C2.94

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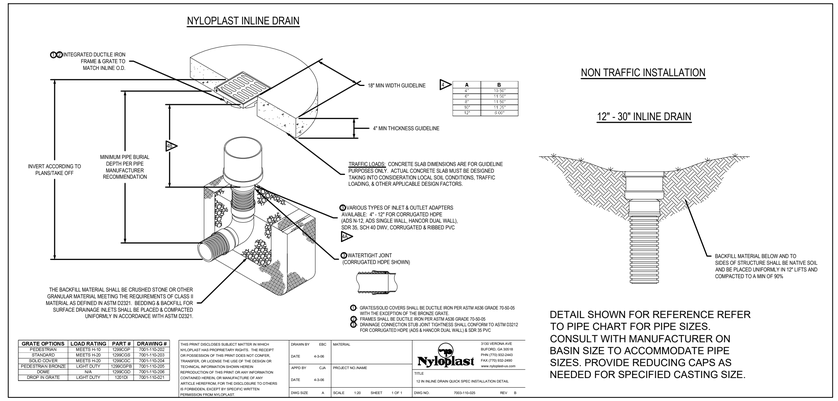
1 INLINE DRAIN
SCALE: NTS



A	B
6"	13.50"
8"	13.50"
10"	13.50"
12"	13.50"

NON TRAFFIC INSTALLATION

12" - 30" INLINE DRAIN

DETAIL SHOWN FOR REFERENCE REFER TO PIPE CHART FOR PIPE SIZES. CONSULT WITH MANUFACTURER ON BASIN SIZE TO ACCOMMODATE PIPE SIZES. PROVIDE REDUCING CAPS AS NEEDED FOR SPECIFIED CASTING SIZE.

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1296CGP	7001-110-202
STANDARD	MEETS H-20	1296CGS	7001-110-203
SOLID COVER	MEETS H-20	1296CGC	7001-110-204
PEDESTRIAN BRONZE	LIGHT DUTY	1296CGPB	7001-110-205
DOME	LIGHT DUTY	1296CGD	7001-110-206
DROP IN GRATE	LIGHT DUTY	1297CG	7001-110-221

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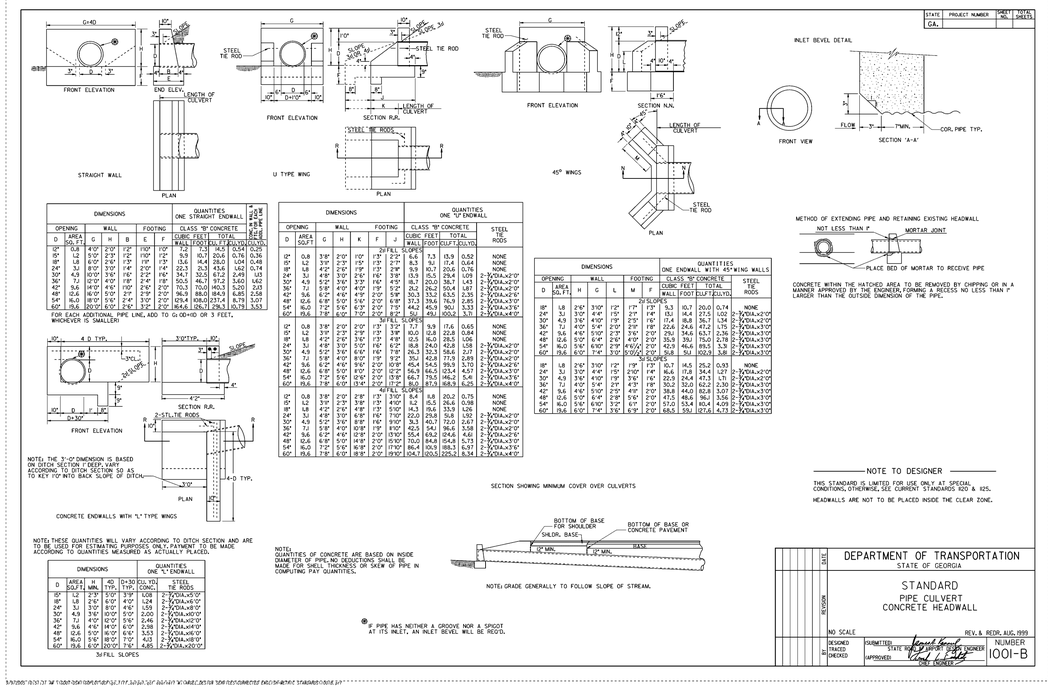
DRAWN BY	ESC	MATERIAL	
DATE	3-8-06	DUCTILE IRON	
APPD BY	CJA	PROJECT NO./NAME	
DATE	3-8-06		
DWG SIZE	A	SCALE 1:20	SHEET 1 OF 1

Nyloplast — 2120 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2496, www.nyloplast-us.com

TITLE: 12" IN INLINE DRAIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-221 REV B



DIMENSIONS							QUANTITIES ONE STRAIGHT ENDWALL				
OPENING		WALL		FOOTING			CLASS "B" CONCRETE			STEEL TIE RODS
D	AREA SQ.FT.	G	H	B	E	F	CUBIC FEET WALL	CUBIC FEET FOOT	TOTAL CUBIC FEET CU.YD.	
12"	0.8	4'0"	2'0"	1'2"	1'0"	1'0"	7.2	7.3	14.5	0.54	0.20
15"	1.2	5'0"	2'3"	1'2"	1'0"	1'2"	9.9	10.7	20.6	0.76	0.36
18"	1.8	6'0"	2'6"	1'3"	1'0"	1'3"	13.6	14.4	28.0	1.04	0.48
24"	3.1	8'0"	3'0"	1'4"	1'0"	1'4"	22.3	21.3	43.6	1.62	0.74
30"	4.3	10'0"	3'6"	1'6"	2'0"	1'6"	34.1	32.5	67.2	2.49	1.03
36"	7.1	4'0"	12'0"	5'0"	2'0"	2'6"	46.6	47.2	93.8	3.47	1.63
42"	9.6	4'6"	14'0"	6'0"	2'0"	3'0"	70.3	70.0	140.3	5.20	2.53
48"	12.6	16'0"	5'0"	2'0"	2'0"	3'6"	96.9	88.0	184.9	6.85	2.58
54"	16.0	18'0"	5'6"	2'0"	2'0"	4'0"	125.4	108.0	233.4	8.65	3.07
60"	19.6	20'0"	6'0"	2'6"	3'0"	2'0"	164.6	126.7	291.3	10.79	3.53

FOR EACH ADDITIONAL PIPE LINE, ADD TO G OD+I/2D OR 3 FEET, WHICHEVER IS SMALLER

3d FILL SLOPES

D	AREA SQ.FT.	W MIN.	4D TYP.	D+3D EQ. TYP.	CONC.	STEEL TIE RODS
12"	0.8	3'8"	5'0"	3'9"	1.08	2-"X"@A.=5'0"
18"	1.8	2'6"	6'0"	4'0"	1.24	2-"X"@A.=6'0"
24"	3.1	3'0"	8'0"	4'6"	1.53	2-"X"@A.=8'0"
30"	4.3	3'6"	10'0"	5'0"	2.00	2-"X"@A.=10'0"
36"	7.1	4'0"	12'0"	5'6"	2.46	2-"X"@A.=12'0"
42"	9.6	4'6"	14'0"	6'0"	2.98	2-"X"@A.=14'0"
48"	12.6	5'0"	16'0"	6'6"	3.53	2-"X"@A.=16'0"
54"	16.0	5'6"	18'0"	7'0"	4.13	2-"X"@A.=18'0"
60"	19.6	6'0"	20'0"	7'6"	4.85	2-"X"@A.=20'0"

DIMENSIONS							QUANTITIES ONE "L" ENDWALL				
OPENING		WALL		FOOTING			CLASS "B" CONCRETE			STEEL TIE RODS
D	AREA SQ.FT.	G	H	K	F	J	CUBIC FEET WALL	CUBIC FEET FOOT	TOTAL CUBIC FEET CU.YD.	
12"	0.8	3'8"	2'0"	1'0"	1'3"	2'7"	6.6	7.3	13.9	0.52	NONE
15"	1.2	3'9"	2'3"	1'0"	1'3"	2'7"	8.3	9.1	17.4	0.64	NONE
18"	1.8	4'2"	2'6"	1'0"	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-"X"@A.=2'0"
30"	4.3	5'2"	3'6"	2'6"	1'6"	4'2"	18.7	20.0	38.7	1.43	2-"X"@A.=2'0"
36"	7.1	5'2"	4'0"	2'0"	2'0"	5'0"	30.1	25.2	55.4	1.65	2-"X"@A.=2'0"
42"	9.6	5'2"	4'6"	2'0"	2'0"	5'0"	35.3	34.2	69.5	2.57	2-"X"@A.=2'0"
48"	12.6	5'2"	5'0"	2'0"	2'0"	5'0"	37.3	39.6	76.9	2.85	2-"X"@A.=2'0"
54"	16.0	7'2"	5'6"	6'3"	2'0"	7'5"	44.2	45.9	90.1	3.33	2-"X"@A.=3'6"
60"	19.6	7'2"	6'0"	6'3"	2'0"	8'0"	51.1	49.1	100.2	3.71	2-"X"@A.=3'6"

3d FILL SLOPES

D	AREA SQ.FT.	W MIN.	4D TYP.	D+3D EQ. TYP.	CONC.	STEEL TIE RODS
12"	0.8	3'8"	2'0"	2'9"	1'3"	3'2"	7.7	9.9	17.6	0.65	NONE
15"	1.2	3'9"	2'3"	2'9"	1'3"	3'8"	10.0	12.8	22.8	0.84	NONE
18"	1.8	4'2"	2'6"	3'0"	1'3"	4'0"	12.5	16.0	28.5	1.06	NONE
24"	3.1	4'8"	3'0"	5'0"	1'6"	6'2"	18.8	24.0	42.8	1.58	2-"X"@A.=2'0"
30"	4.3	5'2"	3'6"	5'0"	1'6"	6'8"	24.1	28.4	52.5	1.94	2-"X"@A.=2'0"
36"	7.1	5'2"	4'0"	5'0"	2'0"	7'0"	35.4	37.9	73.3	2.71	2-"X"@A.=2'0"
42"	9.6	5'2"	4'6"	5'0"	2'0"	7'0"	45.4	52.8	98.2	3.63	2-"X"@A.=2'0"
48"	12.6	6'8"	5'0"	6'0"	2'0"	8'6"	56.5	64.5	121.4	4.50	2-"X"@A.=3'0"
54"	16.0	7'2"	5'6"	12'6"	2'0"	13'9"	66.7	79.5	146.2	5.41	2-"X"@A.=3'6"
60"	19.6	7'8"	6'0"	13'4"	2'0"	17'2"	76.8	87.9	164.7	6.10	2-"X"@A.=3'6"

4d FILL SLOPES

D	AREA SQ.FT.	W MIN.	4D TYP.	D+3D EQ. TYP.	CONC.	STEEL TIE RODS
12"	0.8	3'8"	2'0"	2'8"	1'3"	3'0"	8.4	11.8	20.2	0.75	NONE
15"	1.2	3'9"	2'3"	3'0"	1'3"	4'00"	11.2	15.5	26.6	0.98	NONE
18"	1.8	4'2"	2'6"	4'8"	1'3"	5'00"	14.3	19.6	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-"X"@A.=2'0"
30"	4.3	5'2"	3'6"	8'8"	1'6"	9'00"	30.1	42.7	72.0	2.67	2-"X"@A.=2'0"
36"	7.1	5'2"	4'0"	10'8"	2'0"	11'0"	42.3	54.2	96.6	3.58	2-"X"@A.=2'0"
42"	9.6	5'2"	4'6"	12'8"	2'0"	13'00"	55.3	69.2	124.5	4.61	2-"X"@A.=2'0"
48"	12.6	6'8"	5'0"	14'8"	2'0"	15'00"	70.0	84.8	154.8	5.73	2-"X"@A.=3'0"
54"	16.0	7'2"	5'6"	16'8"	2'0"	17'10"	86.4	104.9	188.3	6.97	2-"X"@A.=3'6"
60"	19.6	7'8"	6'0"	18'8"	2'0"	19'10"	104.7	120.5	225.1	8.34	2-"X"@A.=4'0"

DIMENSIONS								QUANTITIES ONE ENDWALL WITH 45° WING WALLS				
OPENING		WALL				FOOTING		CLASS "B" CONCRETE				STEEL TIE RODS
D	AREA SQ.FT.	H	G	L	M	F		CUBIC FEET WALL	CUBIC FEET FOOT	TOTAL CUBIC FEET CU.YD.		
18"	1.8	2'6"	3'00"	7'2"	1'7"	1'3"	5.3	10.7	20.0	0.74	NONE	
24"	3.1	3'0"	4'4"	7'9"	2'0"	1'4"	7.2	13.2	16.4	27.5	1.02	2-"X"@A.=2'0"
30"	4.3	3'6"	4'00"	7'9"	2'5"	1'6"	7.4	17.4	18.8	36.1	1.34	2-"X"@A.=2'0"
36"	7.1	4'0"	5'4"	7'9"	2'9"	1'9"	8.2	22.6	24.6	47.2	1.75	2-"X"@A.=3'0"
42"	9.6	4'6"	5'00"	2'3"	3'6"	2'0"	29.2	34.6	63.7	2.36	2-"X"@A.=3'0"
48"	12.6	5'0"	6'4"	2'6"	4'0"	2'0"	35.9	39.1	75.0	2.78	2-"X"@A.=3'0"
54"	16.0	5'6"	6'00"	2'9"	4'6"(2)	2'0"	42.9	46.6	89.5	3.31	2-"X"@A.=3'0"
60"	19.6	6'0"	7'4"	3'0"	5'00"(2)	2'0"	50.8	50.1	100.9	3.68	2-"X"@A.=3'0"

3d SLOPES

D	AREA SQ.FT.	H	G	L	M	F						
18"	1.8	2'6"	3'00"	7'2"	1'9"	1'3"	5.3	10.7	25.2	0.93	NONE	
24"	3.1	3'0"	4'4"	7'9"	2'00"	1'4"	6.6	17.8	34.4	1.27	2-"X"@A.=2'0"	
30"	4.3	3'6"	4'00"	7'9"	3'6"	1'6"	22.5	24.4	47.3	1.71	2-"X"@A.=2'0"	
36"	7.1	4'0"	5'4"	7'9"	4'3"	1'9"	30.2	32.0	62.2	2.30	2-"X"@A.=3'0"	
42"	9.6	4'6"	5'00"	2'3"	4'9"	2'0"	38.8	44.0	82.8	3.07	2-"X"@A.=3'0"	
48"	12.6	5'0"	6'4"	2'9"	5'6"	2'0"	47.5	48.6	96.1	3.56	2-"X"@A.=3'0"	
54"	16.0	5'6"	6'00"	3'2"	6'1"	2'0"	57.0	53.4	80.4	4.09	2-"X"@A.=3'0"	
60"	19.6	6'0"	7'4"	3'6"	6'9"	2'0"	68.5	59.1	127.6	4.73	2-"X"@A.=3'0"	

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.

DIMENSIONS	QUANTITIES ONE "L" ENDWALL	
D	AREA SQ.FT.	W MIN.
12"	0.8	3'8"
15"	1.2	3'9"
18"	1.8	4'2"
24"	3.1	4'8"
30"	4.3	5'2"
36"	7.1	5'2"
42"	9.6	5'2"
48"	12.6	6'8"
54"	16.0	7'2"
60"	19.6	7'8"

D	AREA SQ.FT.	W MIN.	4D TYP.	D+3D EQ. TYP.	CONC.	STEEL TIE RODS
12"	0.8	3'8"	5'0"	3'9"	1.08	2-"X"@A.=5'0"
18"	1.8	2'6"	6'0"	4'0"	1.24	2-"X"@A.=6'0"
24"	3.1	3'0"	8'0"	4'6"	1.53	2-"X"@A.=8'0"
30"	4.3	3'6"	10'0"	5'0"	2.00	2-"X"@A.=10'0"
36"	7.1	4'0"	12'0"	5'6"	2.46	2-"X"@A.=12'0"
42"	9.6	4'6"	14'0"	6'0"	2.98	2-"X"@A.=14'0"
48"	12.6	5'0"	16'0"	6'6"	3.53	2-"X"@A.=16'0"
54"	16.0	5'6"	18'0"	7'0"	4.13	2-"X"@A.=18'0"
60"	19.6	6'0"	20'0"	7'6"	4.85	2-"X"@A.=20'0"

3d FILL SLOPES

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
PIPE CULVERT
CONCRETE HEADWALL

REVISION	DATE
NO SCALE	REV. & REDR. AUG. 1999

DESIGNED / TRACED / CHECKED

SUBMITTED: STATE ROAD & TOLLWAY ENGINEER — DATE: 10/01/2001

APPROVED: STATE ROAD & TOLLWAY ENGINEER — DATE: 10/01/2001

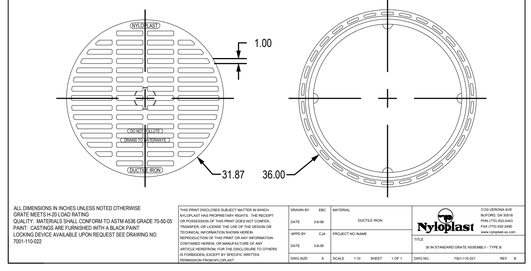
NUMBER 1001-B

GEORGIA REGISTERED PROFESSIONAL ENGINEER — No. 19545 — PEYTON IRL. LINGLE — 01/04/19

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

2 CONCRETE HEADWALL
SCALE: NTS

3 DRAIN GRATE ASSEMBLY
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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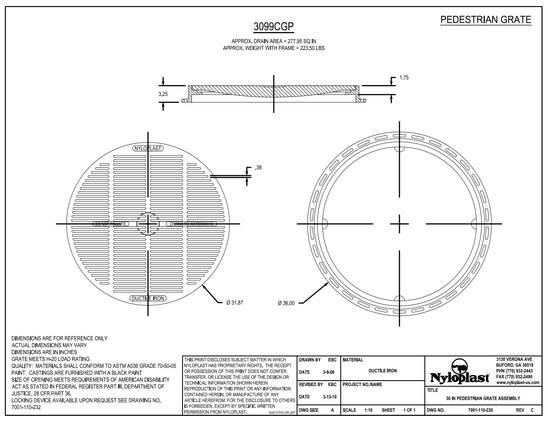
DRAWN BY	ESC	MATERIAL	
DATE	3-8-06	DUCTILE IRON	
APPD BY	CJA	PROJECT NO./NAME	
DATE	3-8-06		
DWG SIZE	A	SCALE 1:10	SHEET 1 OF 1

Nyloplast — 2120 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2496, www.nyloplast-us.com

TITLE: 30 IN STANDARD GRATE ASSEMBLY - TYPE B

DWG NO. 7001-110-221 REV B



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 III, DEPARTMENT OF JUSTICE, 28 CFR PART 36.
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-222

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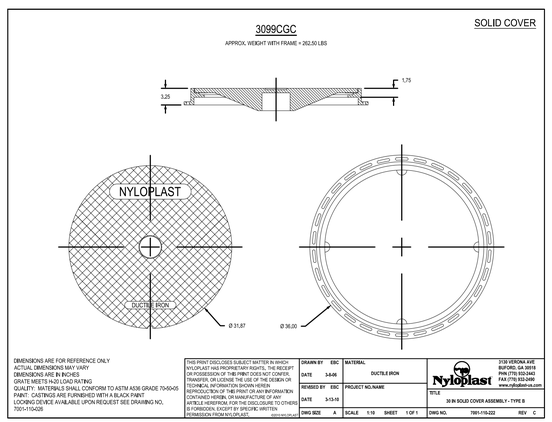
DRAWN BY	ESC	MATERIAL	
DATE	3-8-06	DUCTILE IRON	
REVISED BY	ESC	PROJECT NO./NAME	
DATE	3-13-18		
DWG SIZE	A	SCALE 1:10	SHEET 1 OF 1

Nyloplast — 2120 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2496, www.nyloplast-us.com

TITLE: 30 IN PEDESTRIAN GRATE ASSEMBLY

DWG NO. 7001-110-220 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.



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. 7001-110-223

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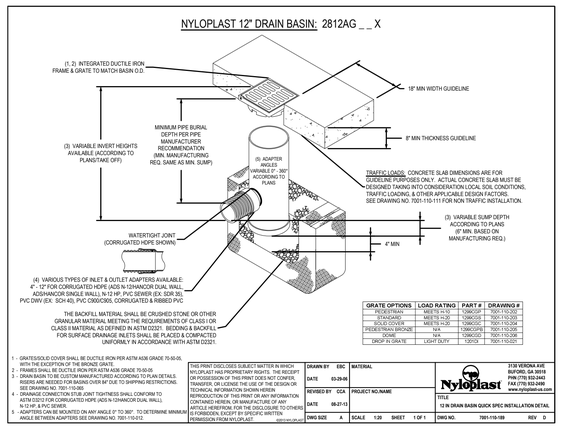
DRAWN BY	ESC	MATERIAL	
DATE	3-8-06	DUCTILE IRON	
REVISED BY	ESC	PROJECT NO./NAME	
DATE	3-13-18		
DWG SIZE	A	SCALE 1:10	SHEET 1 OF 1

Nyloplast — 2120 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2496, www.nyloplast-us.com

TITLE: 30 IN SOLID COVER ASSEMBLY - TYPE B

DWG NO. 7001-110-222 REV C

4 DRAIN BASIN
SCALE: NTS



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1296CGP	7001-110-202
STANDARD	MEETS H-20	1296CGS	7001-110-203
SOLID COVER	MEETS H-20	1296CGC	7001-110-204
PEDESTRIAN BRONZE	N/A	1296CGPB	7001-110-205
DOME	N/A	1296CGD	7001-110-206
DROP IN GRATE	LIGHT DUTY	1297CG	7001-110-221

1 - GRATES/SOLID COVER 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.
4 - BASIN WALL MAY BE CORED.
5 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
6 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-312.

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DRAWN BY	ESC	MATERIAL	
DATE	03-29-06		
REVISED BY	CCA	PROJECT NO./NAME	
DATE	08-27-13		
DWG SIZE	A	SCALE 1:20	SHEET 1 OF 1

Nyloplast — 2120 VERONA AVE, BUFORD, GA 30518, PHN (770) 932-2443, FAX (770) 932-2496, www.nyloplast-us.com

TITLE: 12 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-189 REV D

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS		
NO.	DATE	DESCRIPTION

ISSUE FOR PERMIT

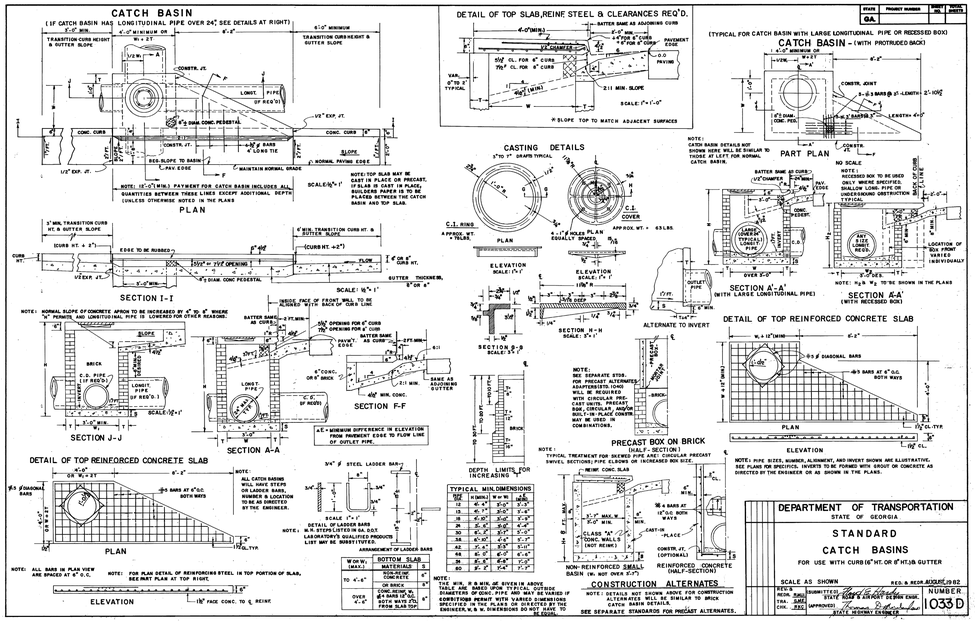
SHEET TITLE
DRAINAGE AND ESPC DETAILS

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

SHEET NO.
C2.95

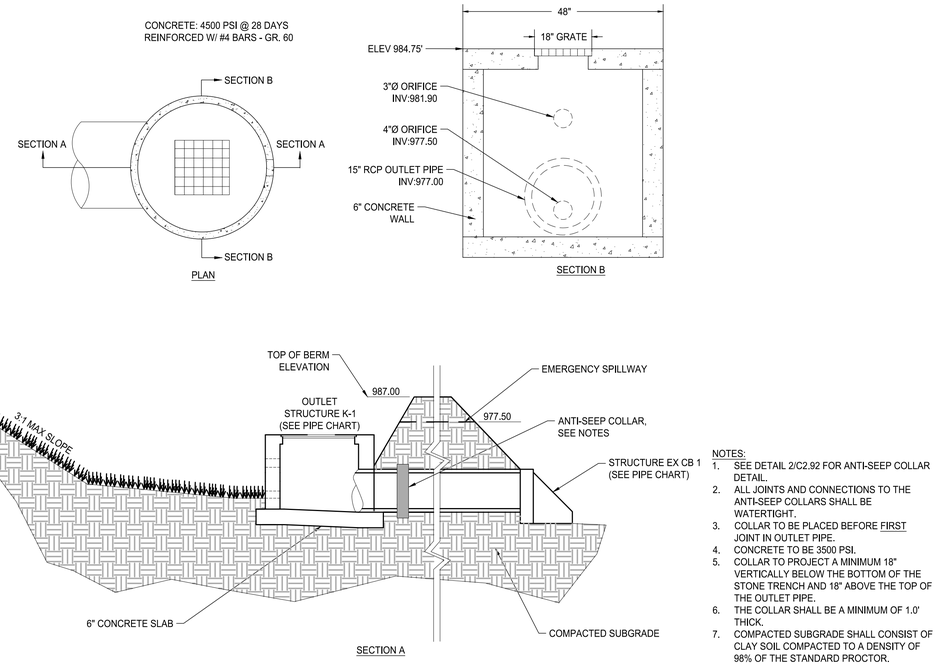
LOSE DESIGN SPACES FOR LIFE.

G:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C00_DRAINAGE AND ESPC DETAIL_SHEETS.dwg - Printed on 2019-01-03 at 7:46:59 PM



1 CATCH BASIN

SCALE: NTS

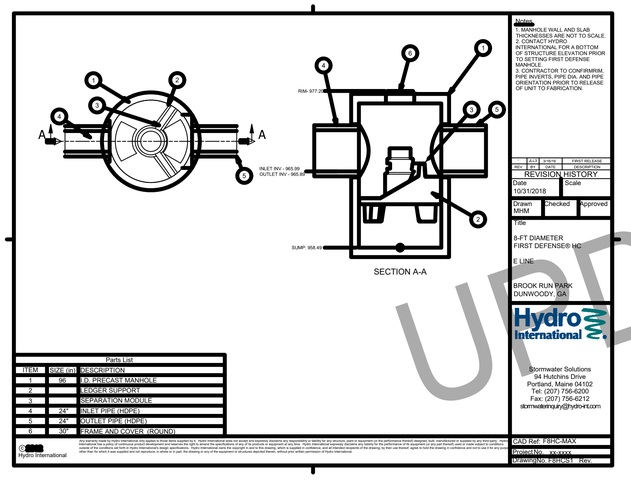


NOTES:

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.

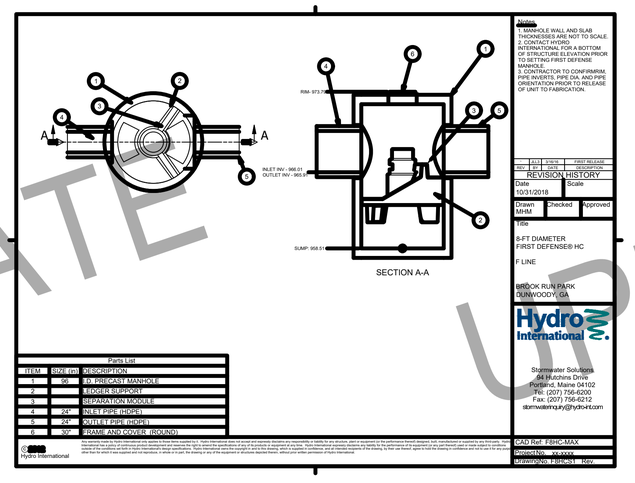
2 DETENTION POND #1

SCALE: NTS



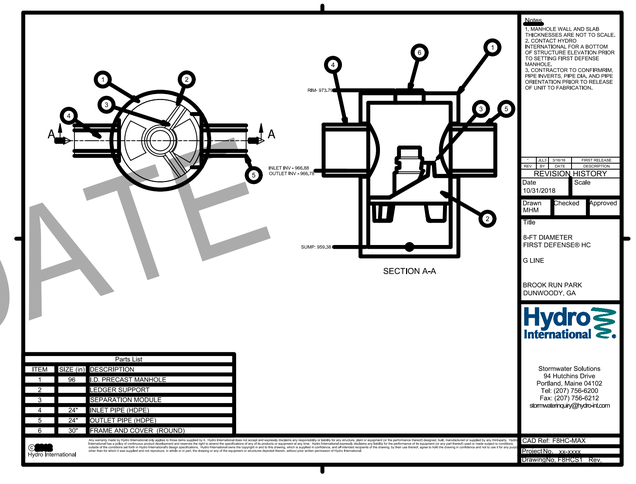
3 WATER QUALITY BOX (E LINE)

SCALE: NTS



4 WATER QUALITY BOX (F LINE)

SCALE: NTS



5 WATER QUALITY BOX (G LINE)

SCALE: NTS

UPDATE
UPDATE

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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
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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SHEET TITLE

DRAINAGE AND ESPC DETAILS

PROJECT NO. 17302	DATE 01-04-2019
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SHEET NO. C2.96	

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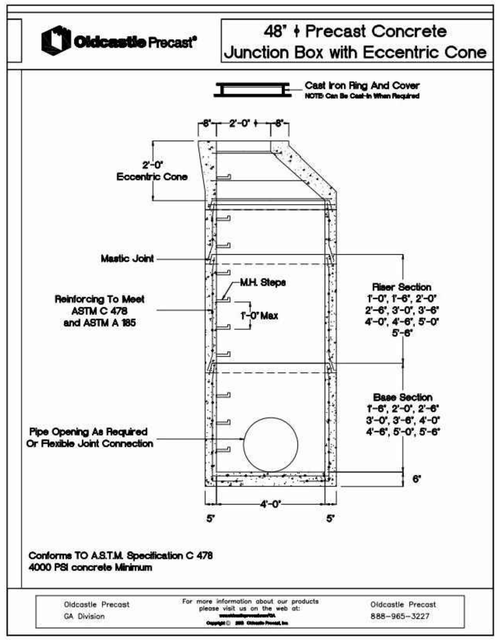
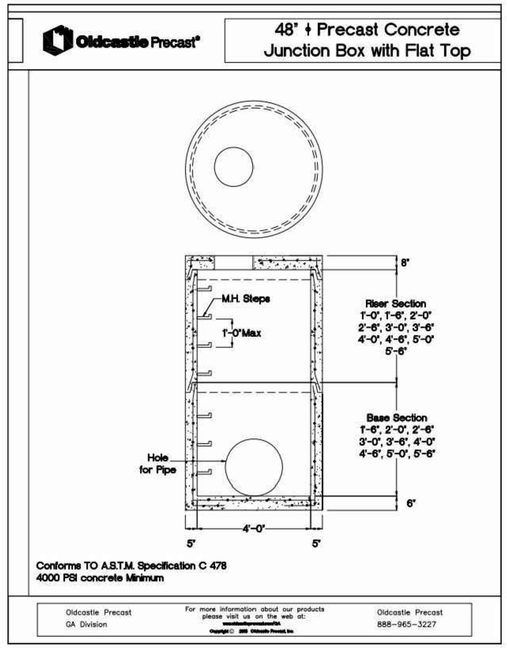
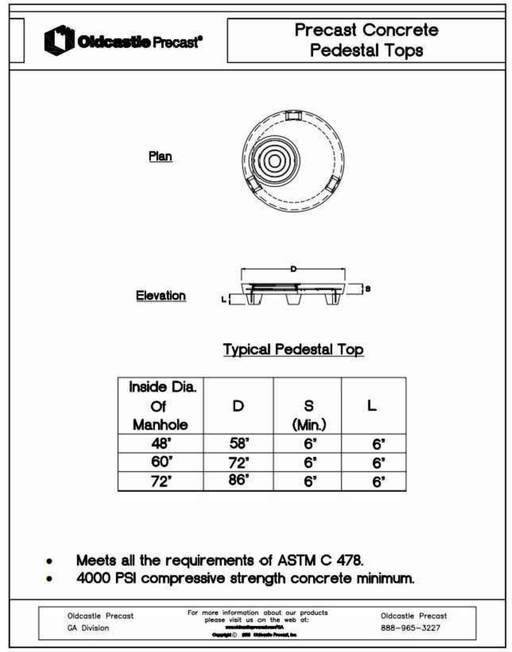
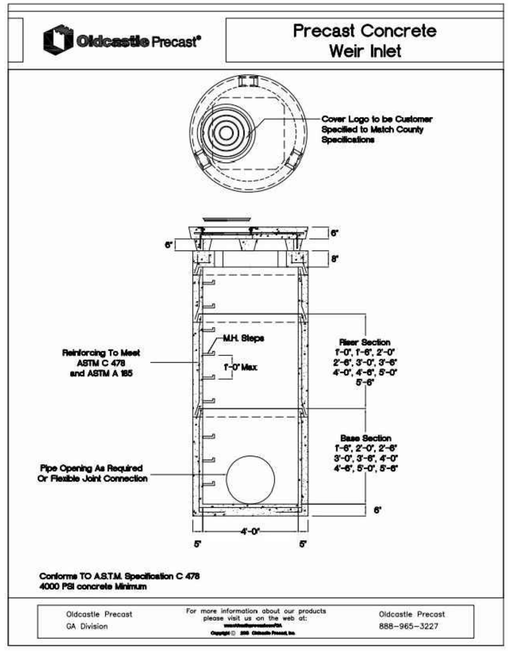
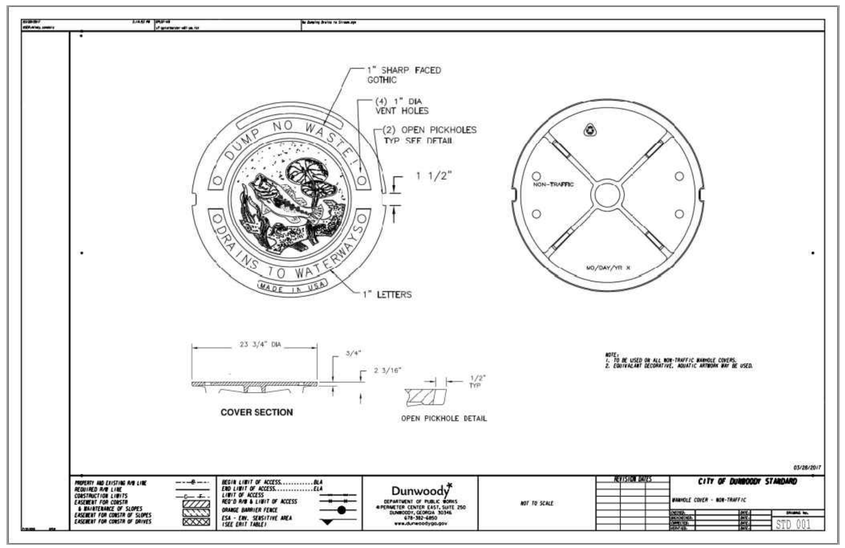






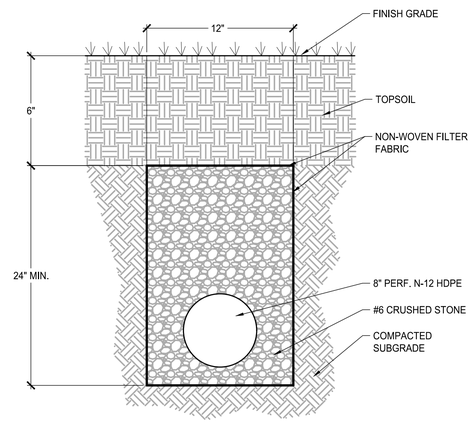


1 JUNCTION BOX
SCALE: XX = XX

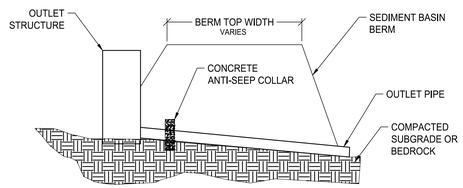


3 NON-TRAFFIC MANHOLE COVER
SCALE: XX = XX

2 PEDESTAL TOP WEIR INLET
SCALE: XX = XX



4 FRENCH DRAIN
SCALE: XX = XX



NOTE:
1. ALL JOINTS AND CONNECTIONS TO THE ANTI-SEEP COLLARS SHALL BE WATERTIGHT.
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5 ANTI-SEEP COLLAR
SCALE: XX = XX

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PROFESSIONAL
01/04/19
GSWCC LEVEL II # 77048
EXPIRES: 04/29/2019

GEORGIA

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY

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SHEET TITLE
DRAINAGE AND EPSC DETAILS

PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY TF	SCALE NTS
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SHEET NO.
C2.97

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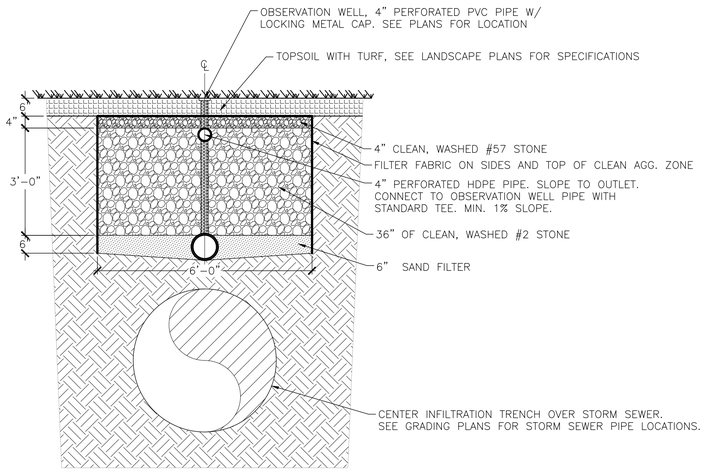

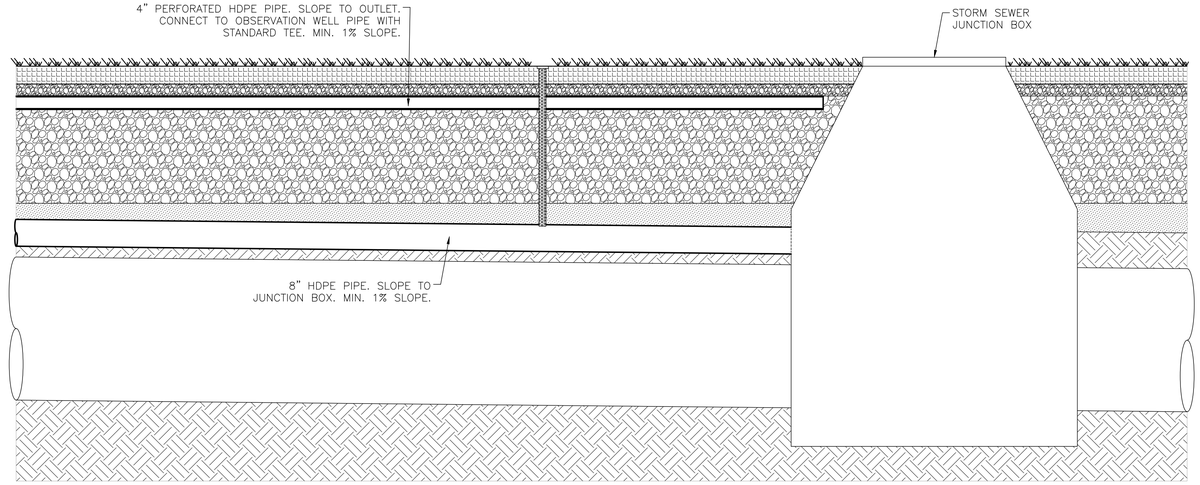

1 INFILTRATION TRENCH

SCALE: XX = XX

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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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NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

DRAINAGE AND EPSC DETAILS

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

SHEET NO.

C2.98

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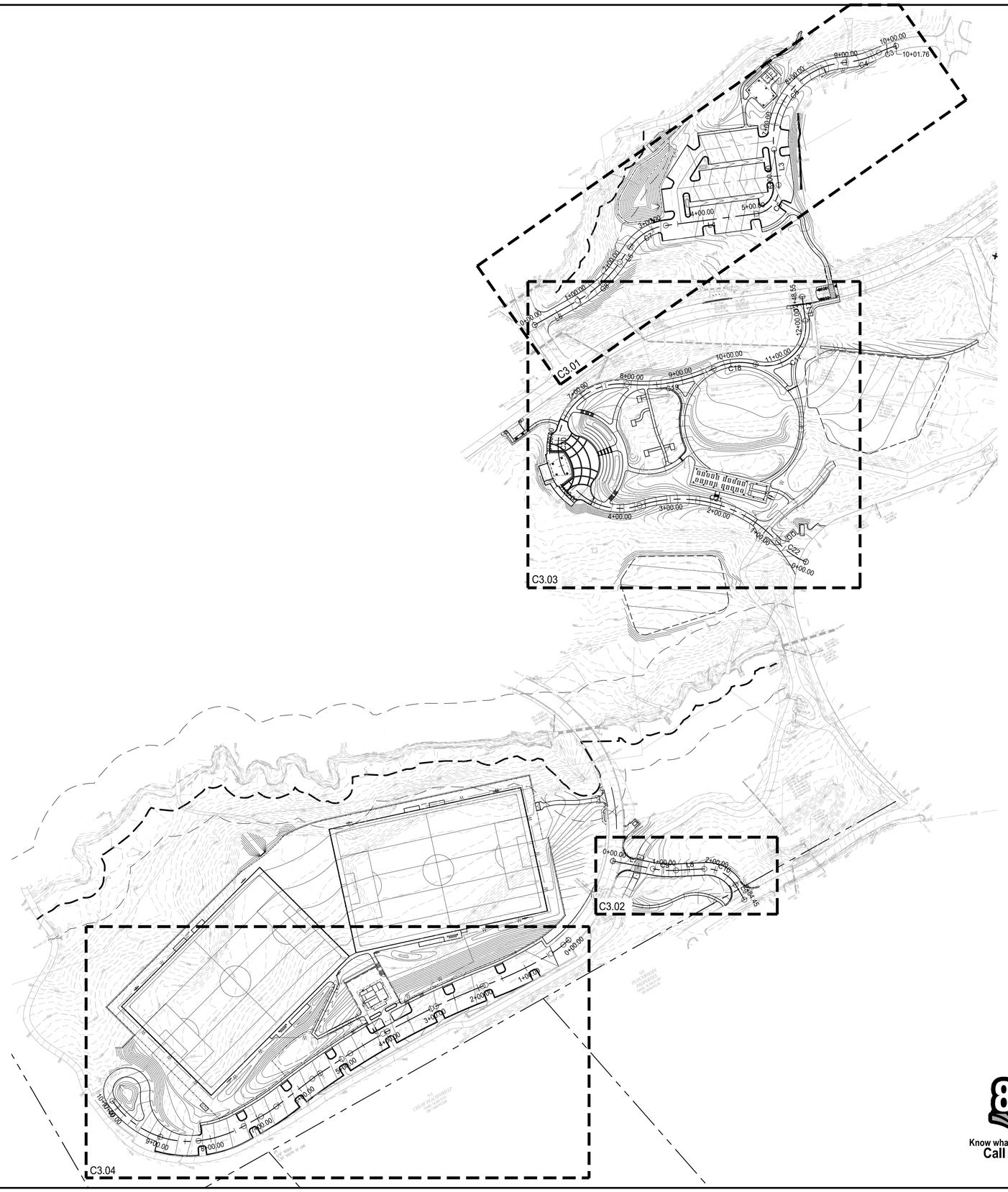
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C3.02
C3.03
C3.04
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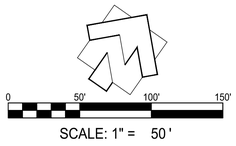

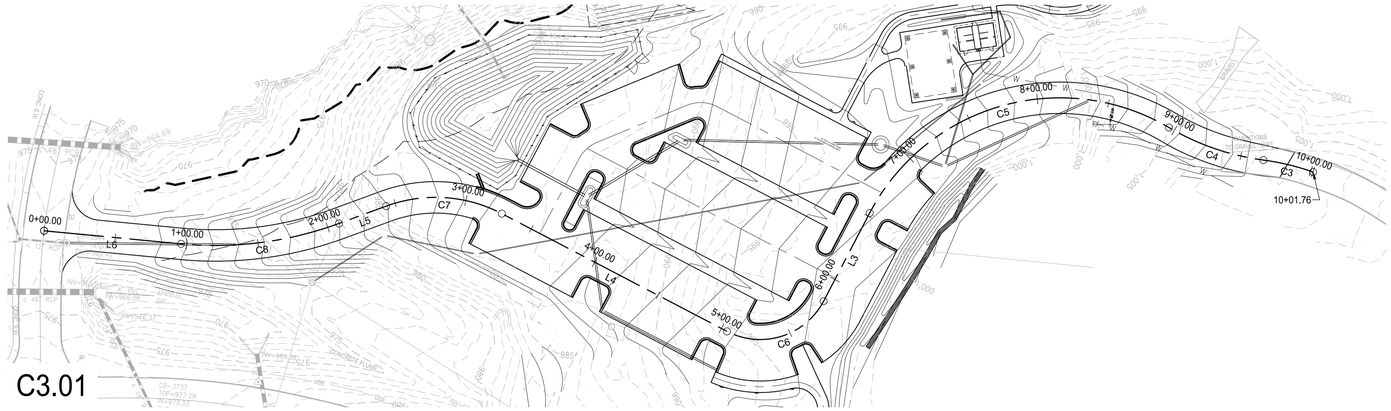

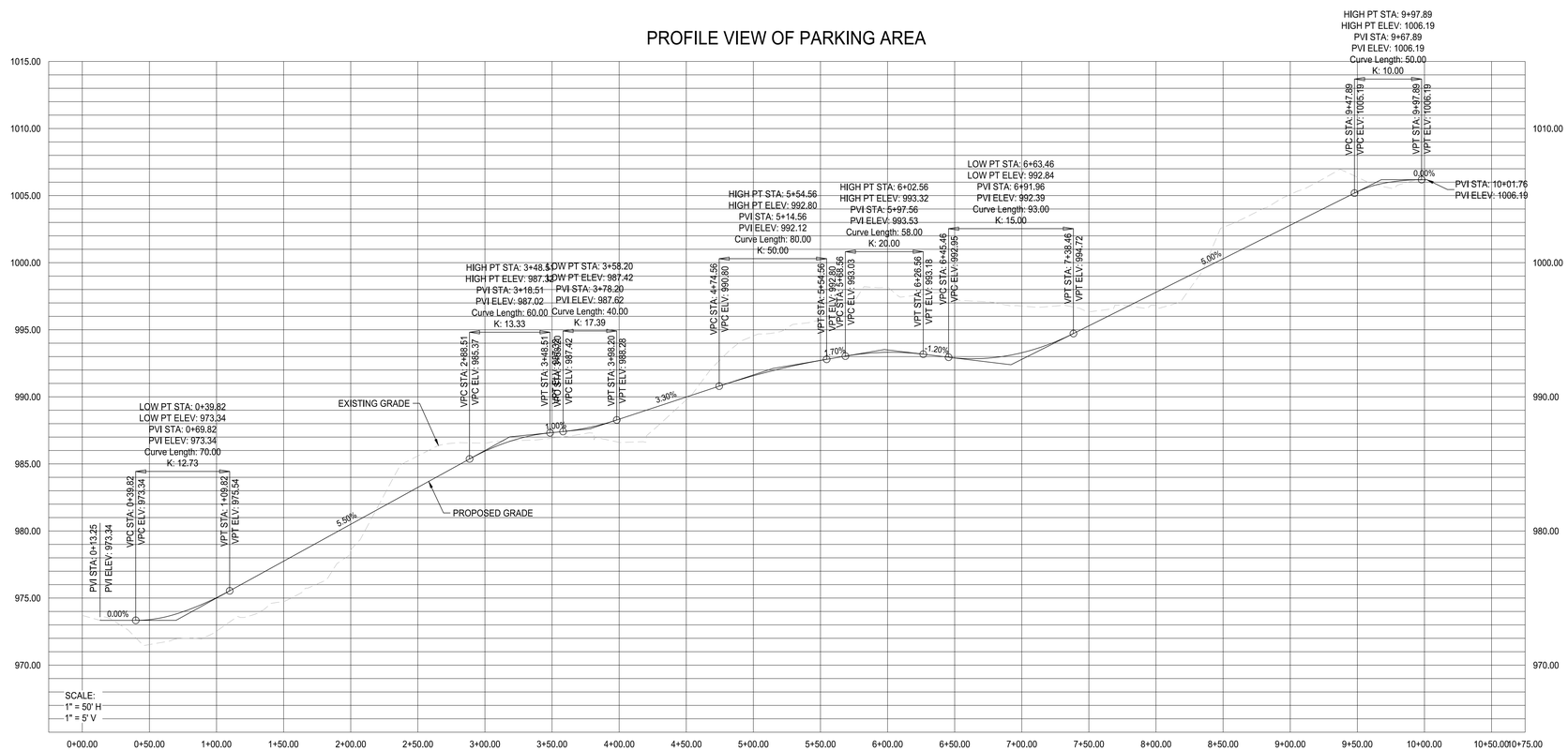

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01/04/19

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IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS		
NO.	DATE	DESCRIPTION

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ROADWAY PLAN & PROFILE

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

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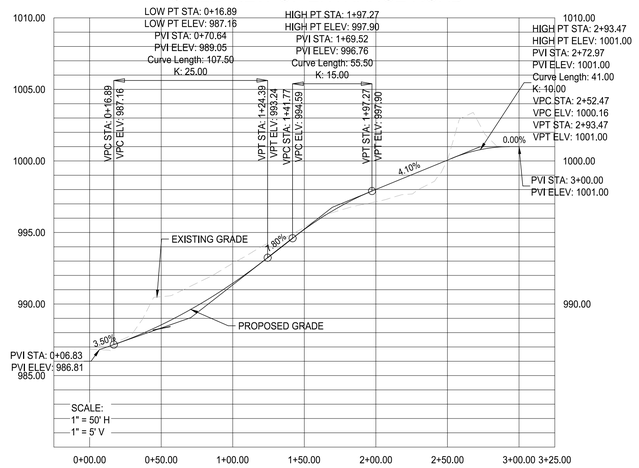
SCALE: 1" = 50 '

C3.02

PROFILE VIEW OF ENTRANCE ROAD



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PROJECT NO. 17302	DATE 01-04-2019
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C3.02

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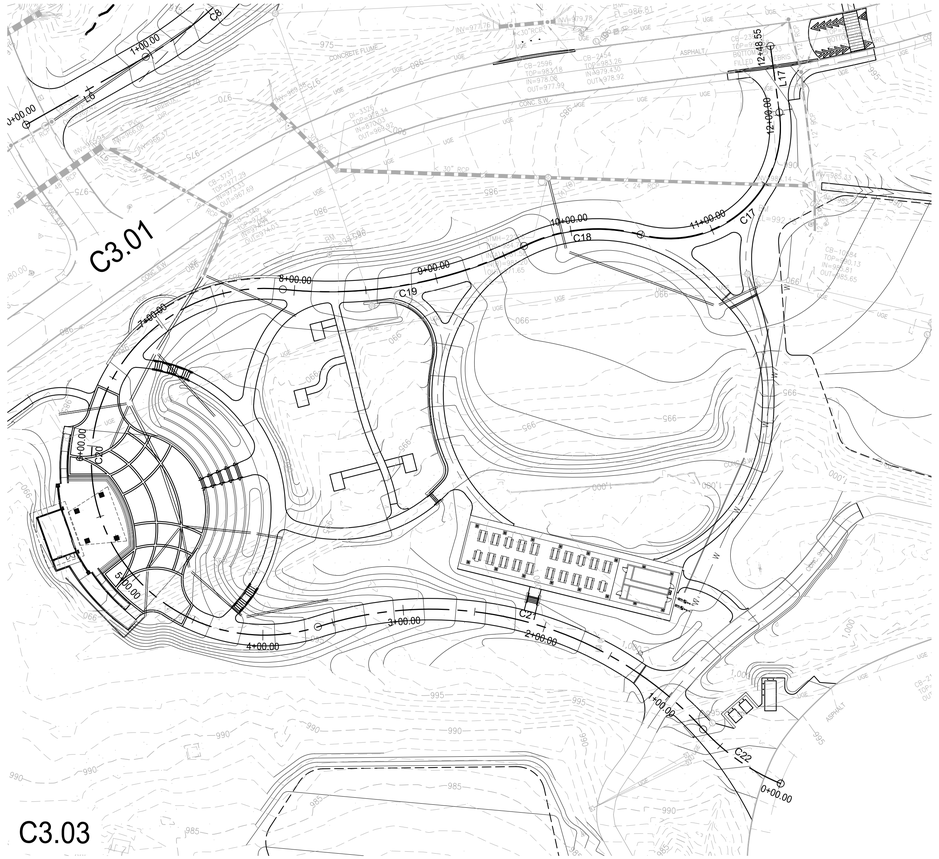
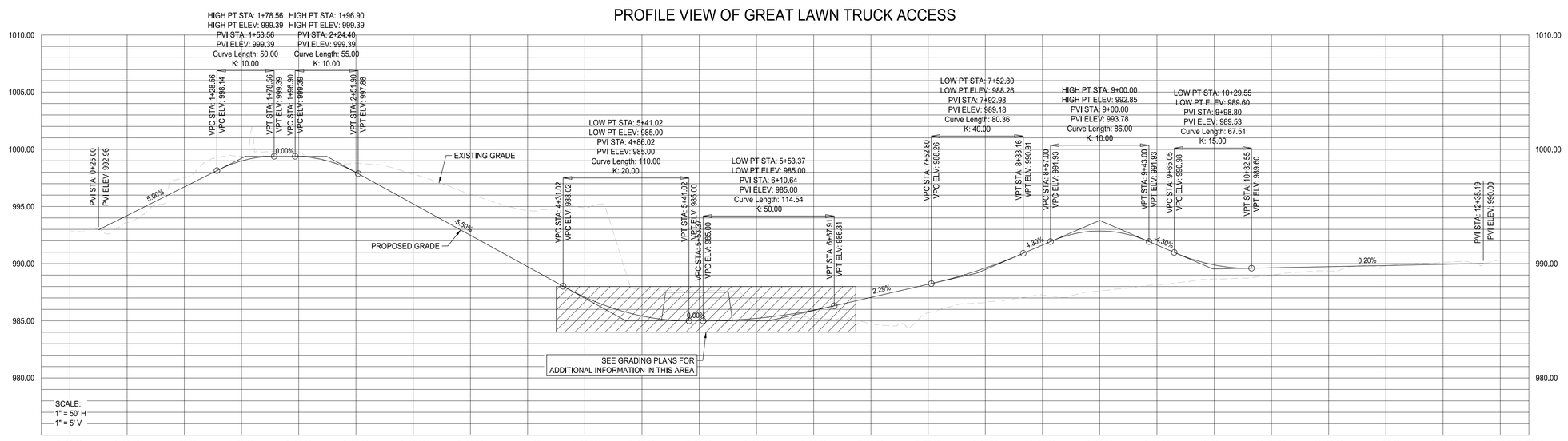


SCALE: 1" = 50 '

PROFILE VIEW OF GREAT LAWN TRUCK ACCESS



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ROADWAY PLAN & PROFILE

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

C3.03

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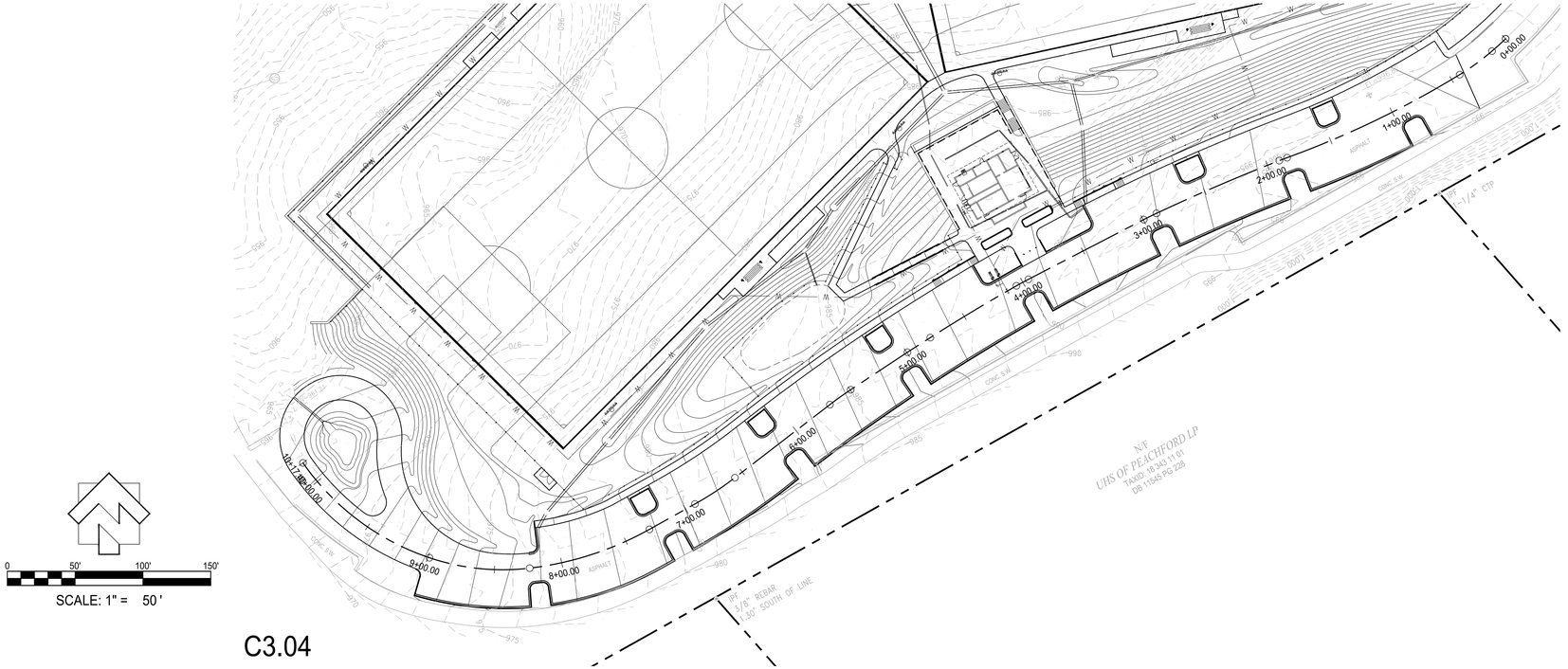
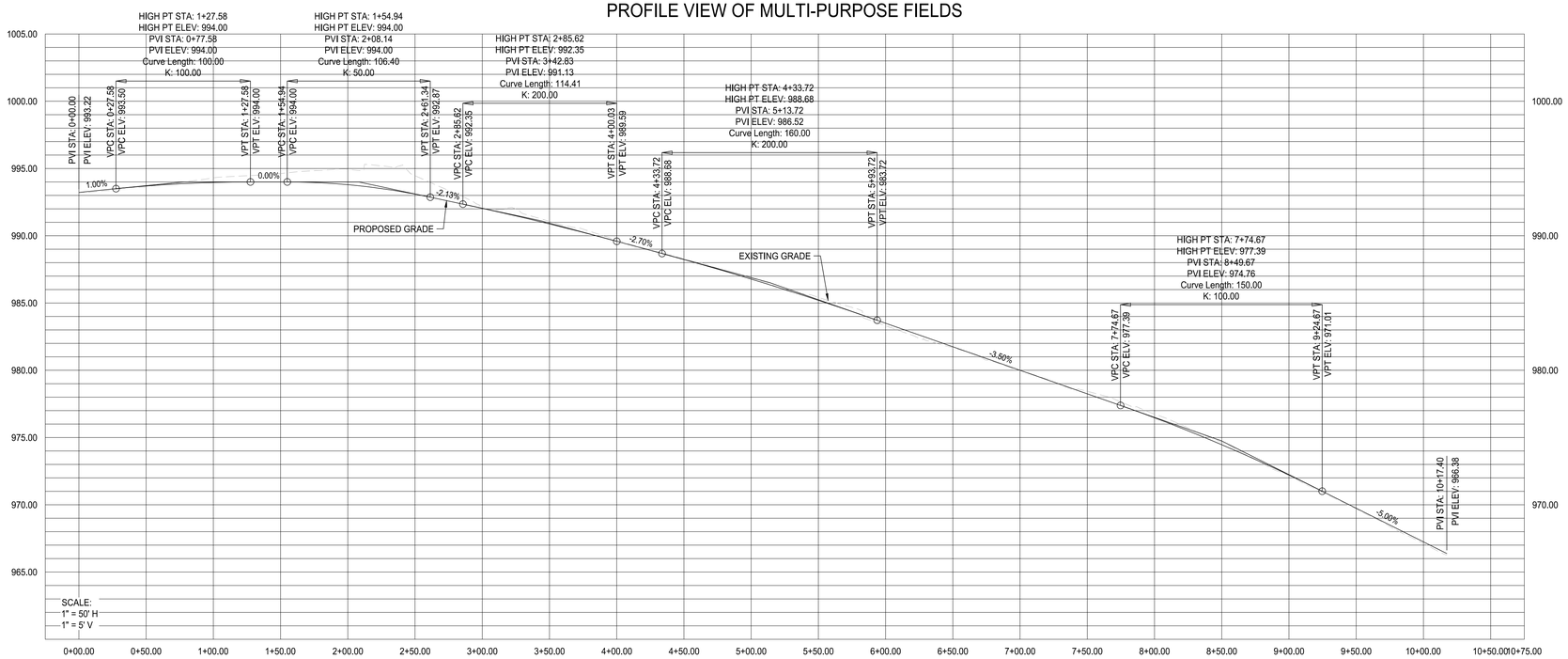


0 50' 100' 150'

SCALE: 1" = 50 '

C3.04

PROFILE VIEW OF MULTI-PURPOSE FIELDS



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BROOK RUN PARK IMPROVEMENTS

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CITY OF DUNWOODY

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SHEET TITLE

ROADWAY PLAN & PROFILE

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

C3.04

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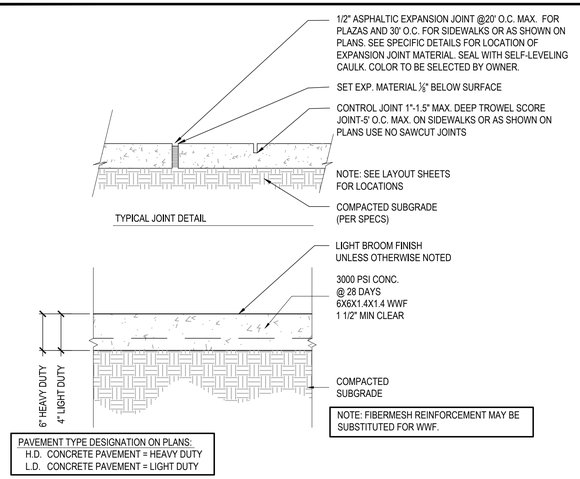

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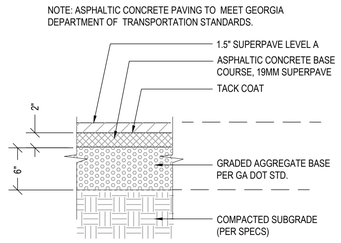
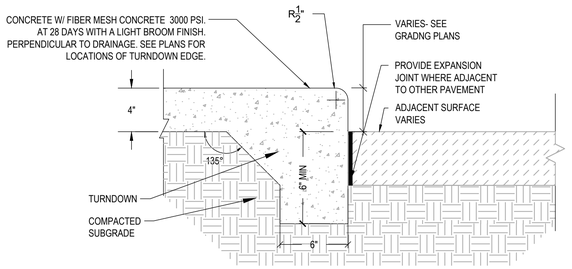
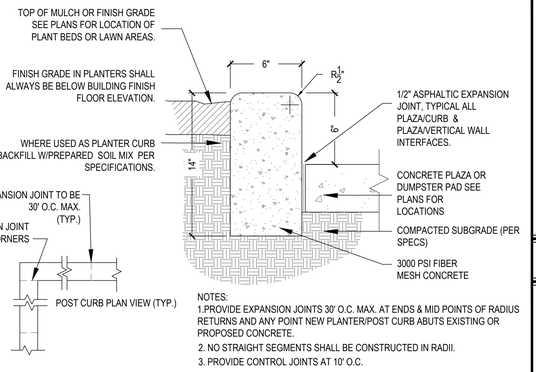


2 ASPHALT PAVEMENT
SCALE: NTS



3 TURNDOWN CURB
SCALE: NTS



4 POST CURB
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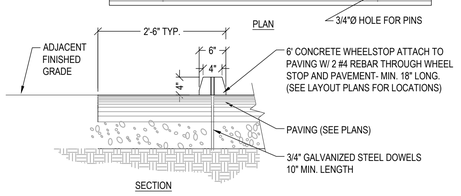
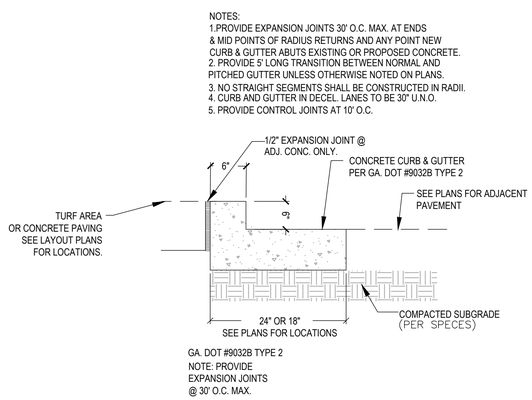
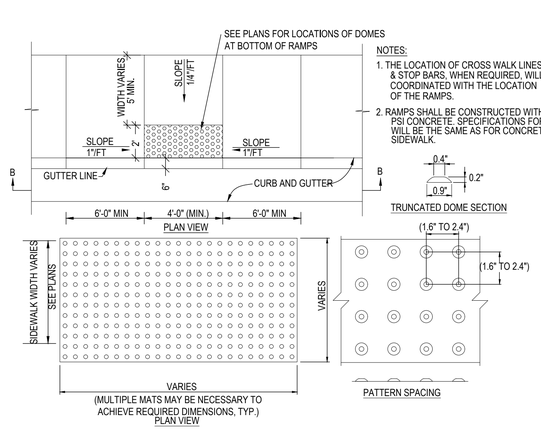


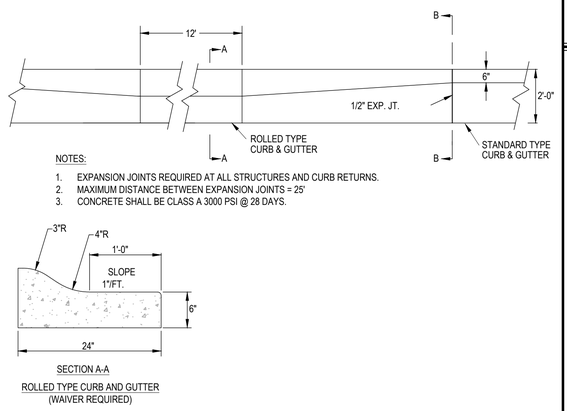
5 WHEELSTOP
SCALE: NTS



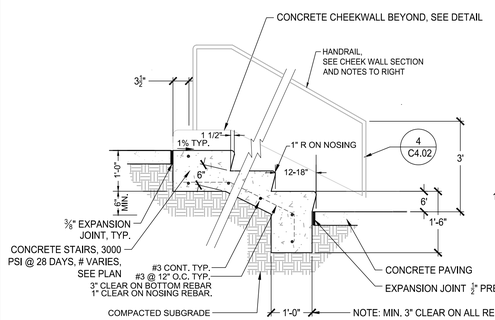
6 CURB AND GUTTER
SCALE: NTS



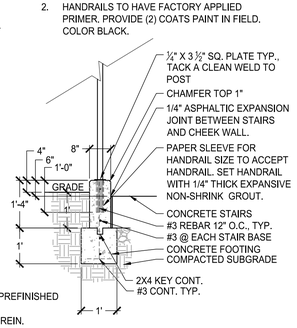
7 HANDICAP RAMP & TACTILE WARNING STRIP
SCALE: NTS



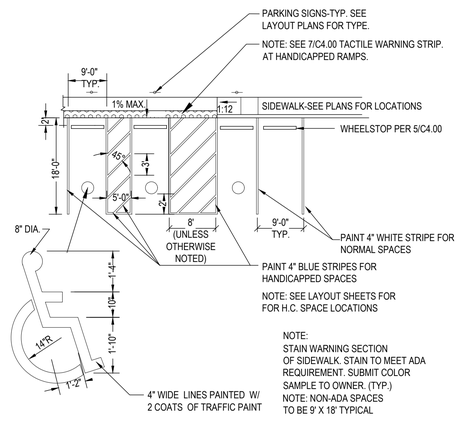
8 ROLLED CURB
SCALE: NTS



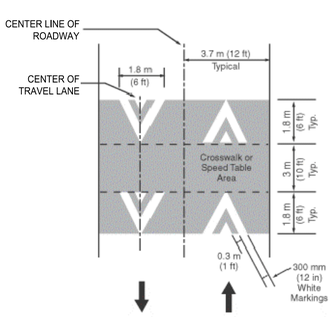
9 CONCRETE STAIRS
SCALE: NTS

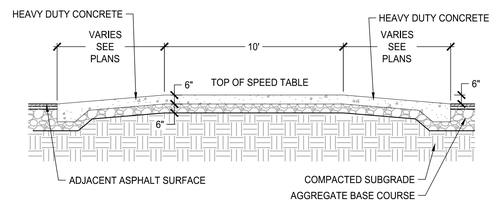


10 HANDICAP PARKING LAYOUT
SCALE: NTS



11 TRAFFIC TABLE
SCALE: NTS





LOSE DESIGN
SPACES FOR LIFE.
GEORGIA
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.
REGISTERED LA001872 12/19 LANDSCAPE ARCHITECT AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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ISSUE FOR PERMIT	

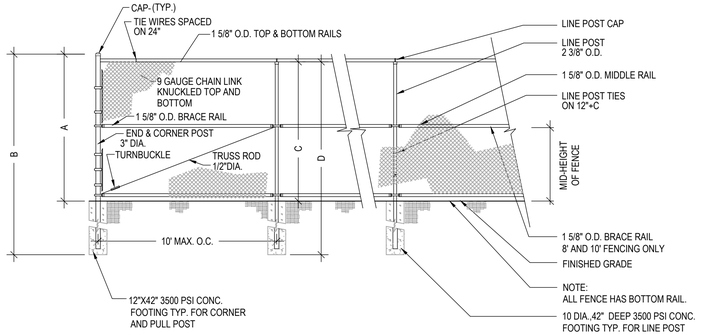
SHEET TITLE
SITE DETAILS

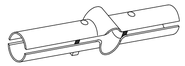
PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY LC/TF	SCALE NTS
CHECKED BY MB	
SHEET NO.	C4.00

O:\17000s\17302_Brook Run Park Improvements_(Dunwoody)_GA\CAD\01_SHEETS\17302_CAD_DETAIL_SERIES.dwg - Printed on 2019-01-03 at 7:41:47 PM.

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"

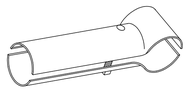
NOTE: SEE FENCE & POST CHART FOR ALL DIMENSIONS





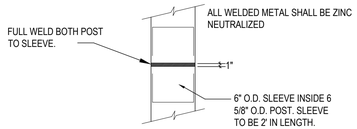
NO. 2251	1-5/8"	X	1-5/8"
NO. 2186	2"	X	1-5/8"
NO. 2188	2-3/8"	X	1-5/8"
NO. 2189	3"	X	1-5/8"

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)

1 CHAIN LINK FENCE

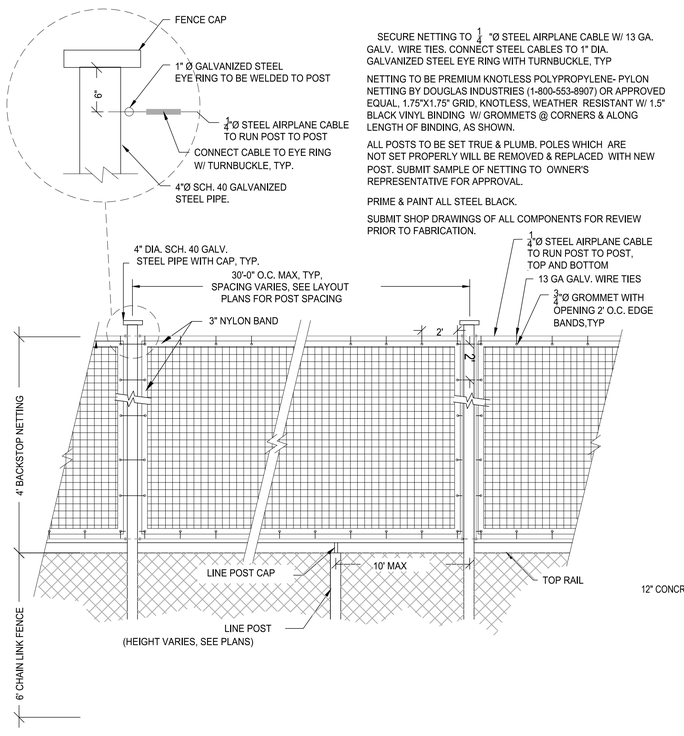
SCALE: NTS

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"			5'1-1/2"		4'8-1/2"
6'0"		6'1"	2"		6'1-1/2"	2 1/4"	5'8-1/2"
7'0"		7'1"			7'1-1/2"		6'8-1/2"
8'0"	3"	8'1"		4" OD	8'1-1/2"		7'8-1/2"
9'0"		9'1"			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"
"	—	—	—		12'2-1/2"	3-1/2"	11'8-1/2"
13'0"	—	—	—	6-5/8"	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"			10'0-1/2"		4'8-1/2"
12'0"		12'0"	2"		12'0-1/2"	2 1/4"	5'8-1/2"
14'0"		14'0"			14'0-1/2"		6'8-1/2"
16'0"	3"	16'0"		4" OD	16'0-1/2"		7'8-1/2"
18'0"		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.

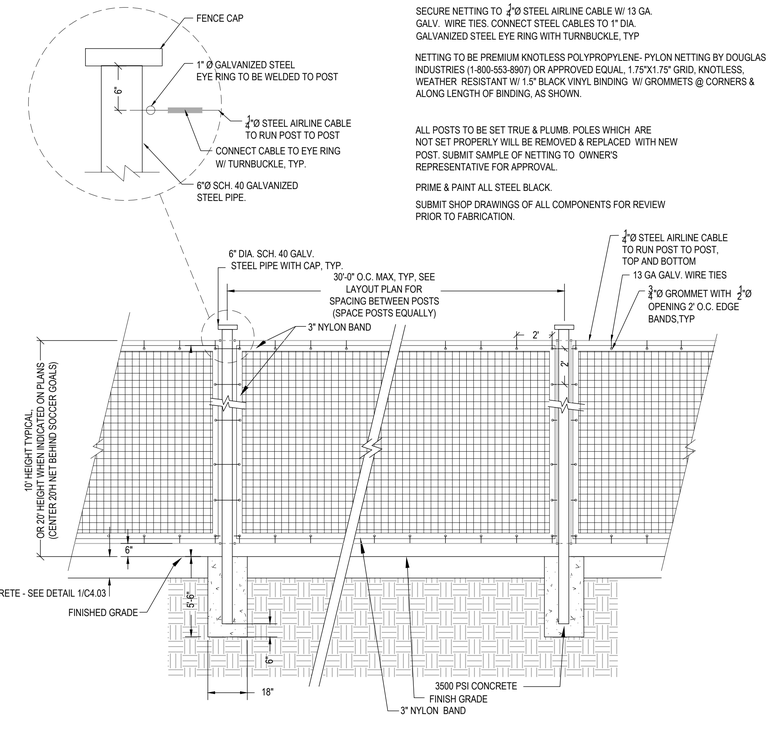
ALL POSTS TO BE SET TRUE & PLUMB. POLES WHICH ARE NOT SET PROPERLY WILL BE REMOVED & REPLACED WITH NEW POST. SUBMIT SAMPLE OF NETTING TO OWNER'S REPRESENTATIVE FOR APPROVAL.

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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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
ISSUE FOR PERMIT	

SHEET TITLE
SITE DETAILS

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

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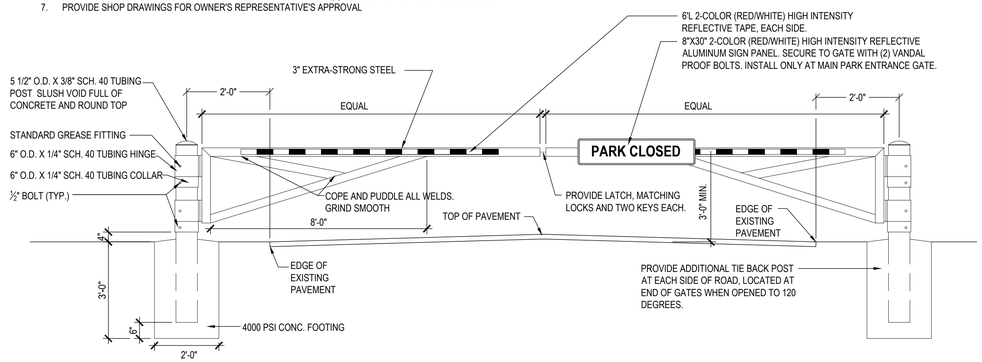
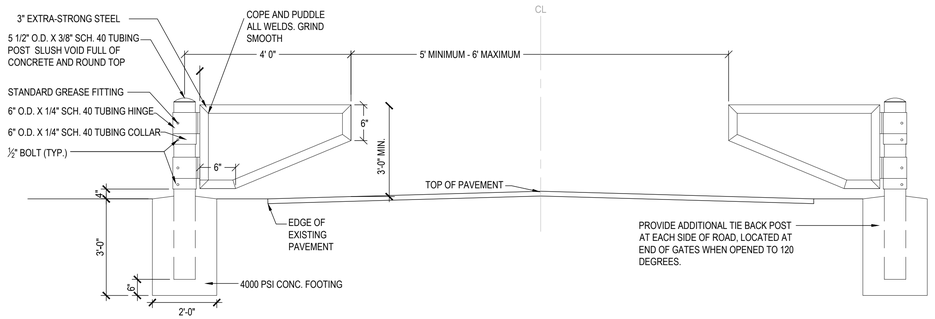
NOTES:
1. GATE TO RECEIVE TIE BACK POST IDENTICAL TO GATE POST. PROVIDE MECHANISM FOR PADLOCK AT BOTH POSTS. SEE PLANS FOR LOCATION.
2. ALL POSTS ARE STANDARD WEIGHT PIPE (SCH. 40). FRAMEWORK IS WELDED USING 2" O.D. STANDARD PIPE FOR EXTERIOR FRAME & 1 5/8" O.D. FOR INTERIOR BRACING. LATCH ASSEMBLY IS 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



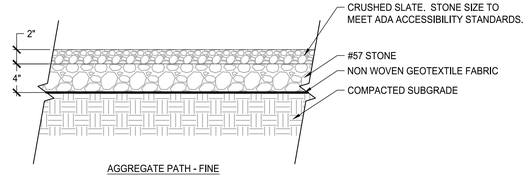
1 ACCESS GATE
SCALE: NTS

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

AGGREGATE PATH - COARSE



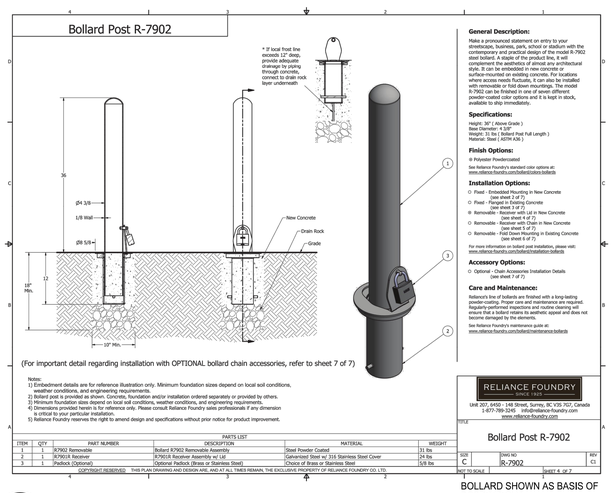
AGGREGATE PATH - FINE

3 AGGREGATE
SCALE: NTS

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

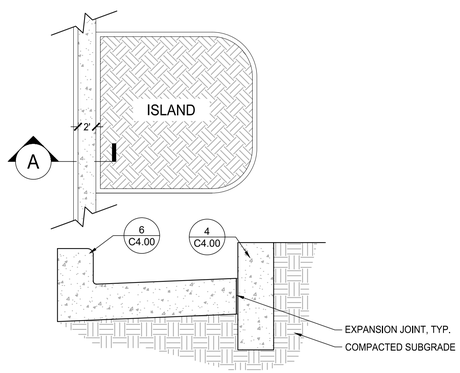
4 HANDRAIL
SCALE: NTS

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.



BOLLARD SHOWN AS BASIS OF DESIGN ONLY.

7 REMOVEABLE BOLLARD
SCALE: NTS



SECTION A

8 CURB SCUPPER
SCALE: NTS

LOSE DESIGN
SPACES FOR LIFE.

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GEORGIA REGISTERED LA001872 LANDSCAPE ARCHITECT AARON J. ST. PIERRE 11/19

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE
SITE DETAILS

PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY LCTF	SCALE NTS
CHECKED BY MB	

SHEET NO.
C4.02

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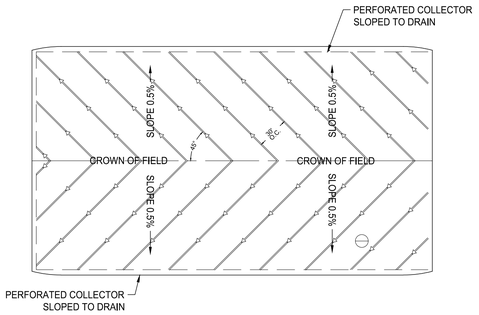
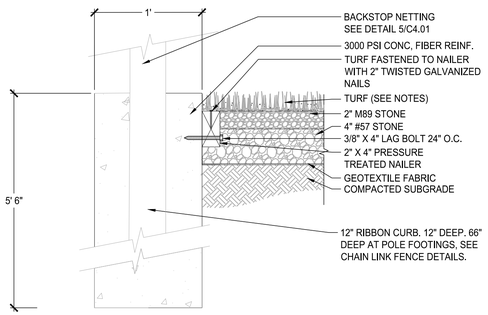
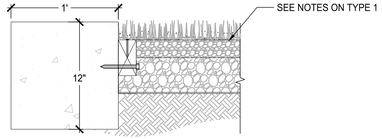


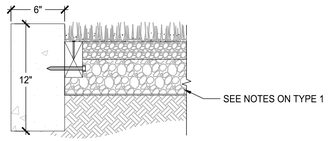
TYPICAL FIELD DRAINAGE LAYOUT



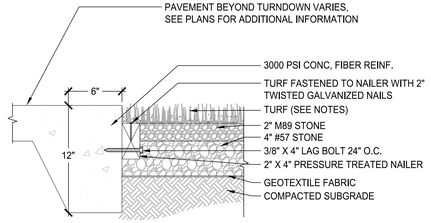
SYNTHETIC TURF APRON INSTALLATION TYPE 1



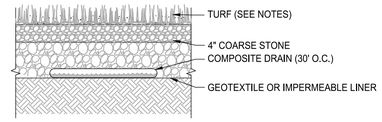
SYNTHETIC TURF APRON INSTALLATION TYPE 2



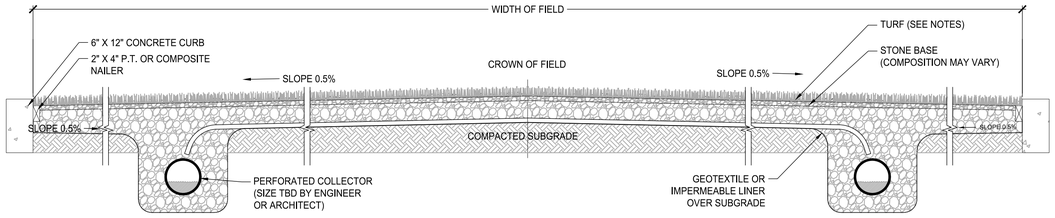
SYNTHETIC TURF APRON INSTALLATION TYPE 3



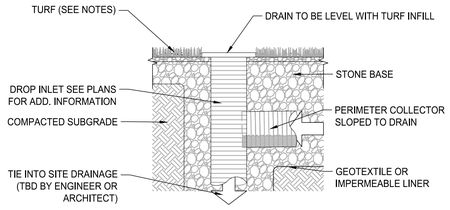
SIDEWALK INSTALLATION SECTION



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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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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ISSUE FOR PERMIT	

SHEET TITLE

SITE DETAILS

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

SHEET NO.

C4.03

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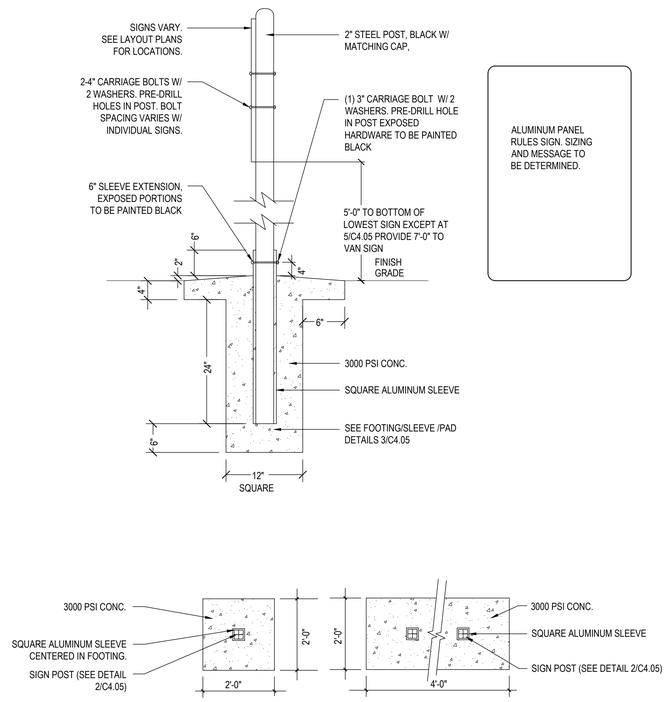
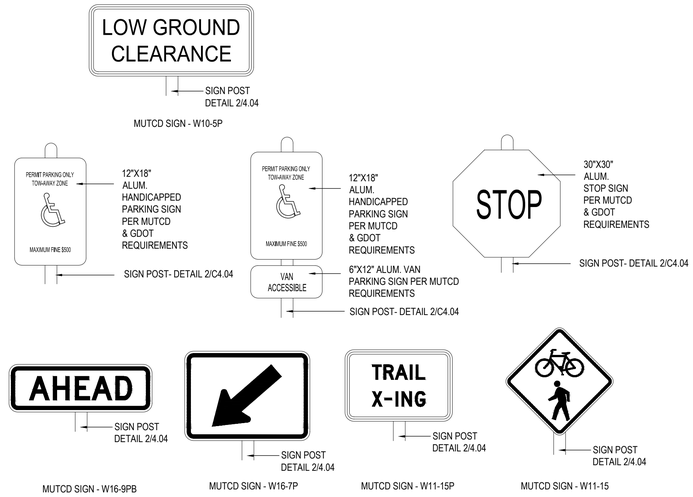
1 NOT USED
SCALE: NTS

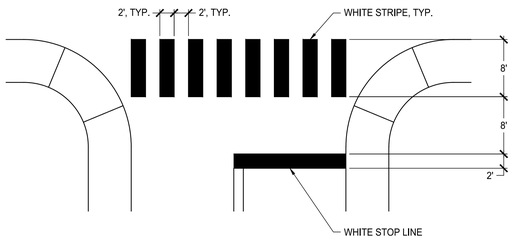
2 FACILITY SIGN & SIGN POST MOUNTING & APRONS
SCALE: NTS



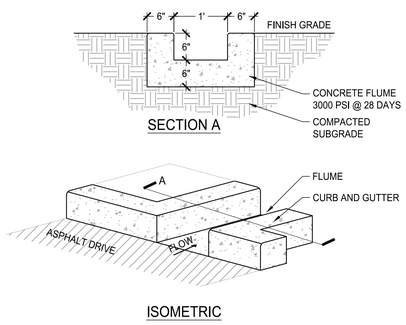
3 STANDARD SIGNAGE
SCALE: NTS



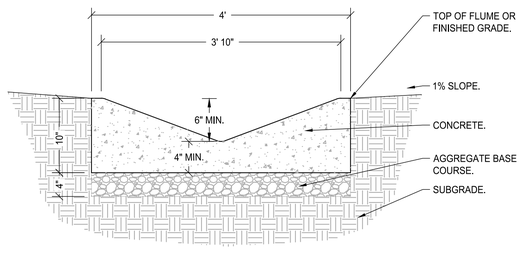
NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PER GDOT STANDARDS UNLESS OTHERWISE NOTED.
2. ALL MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION.
3. ALIGN CROSSWALK WITH HANDICAP RAMPS.
4. WIDTH OF CROSSWALK SHALL BE 8' (MIN.) OR AS SPECIFIED ON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



4 STOP BAR & CROSSWALK LAYOUT
SCALE: NTS

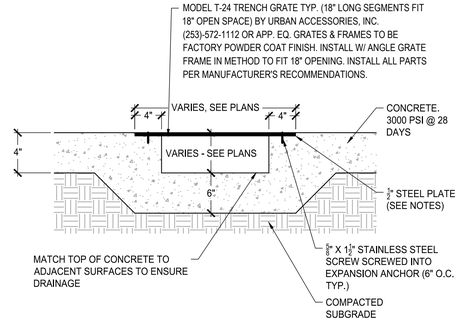


5 CONCRETE FLUME
SCALE: NTS



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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BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE
SITE DETAILS

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

SHEET NO.
C4.04

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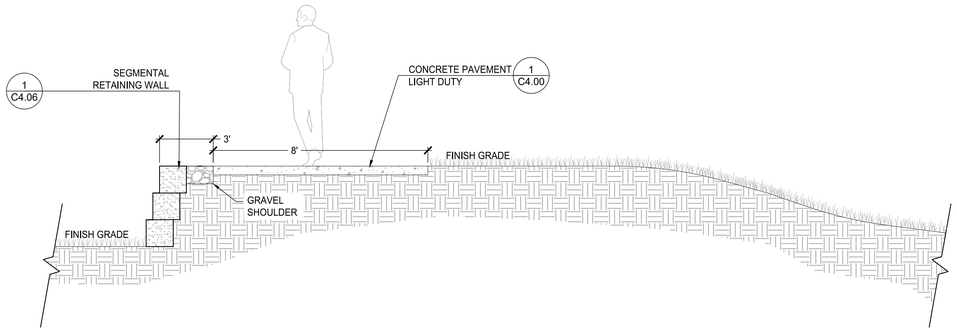
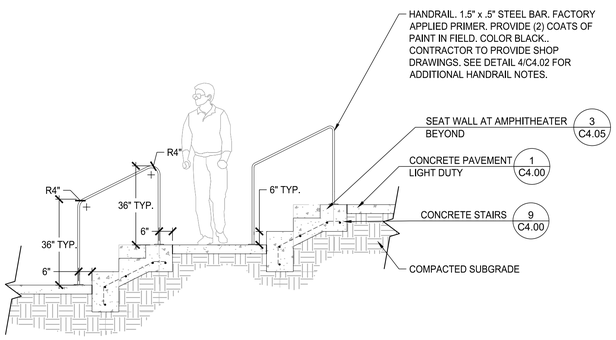
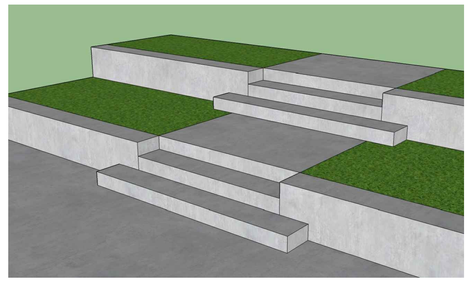


1 SECTION A - GREAT LAWN

SCALE: NTS

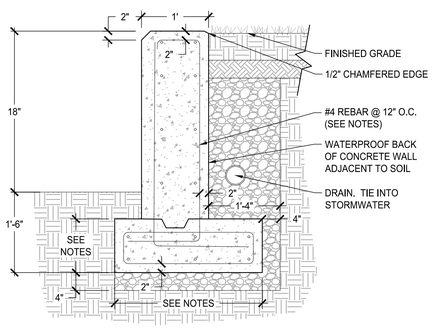




2 SECTION B - AMPHITHEATER SEATING

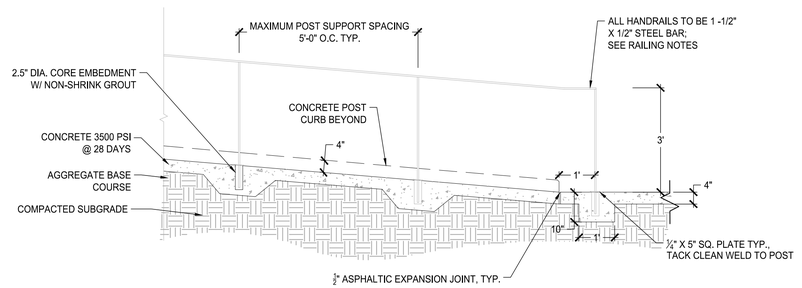
SCALE: NTS

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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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

SITE DETAILS

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

C4.05

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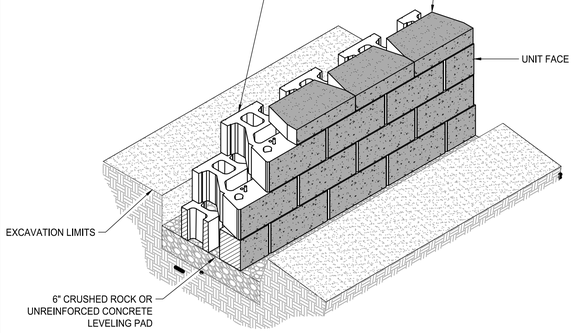
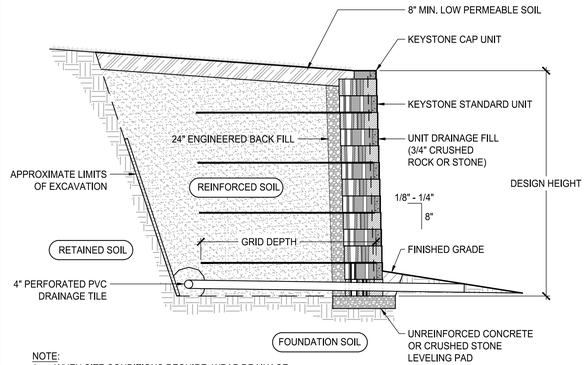
BASE LEVELING PAD NOTES:
1. THE LEVELING PAD IS TO BE CONSTRUCTED OF CRUSHED STONE OR 2,000 PSI +/- UNREINFORCED CONCRETE.
2. THE BASE FOUNDATION IS TO BE APPROVED BY THE SITE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF THE LEVELING PAD.

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

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

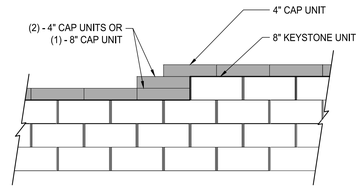


STANDARD UNIT/BASE PAD ISOMETRIC SECTION VIEW
*Dimension & Weight May Vary by Region



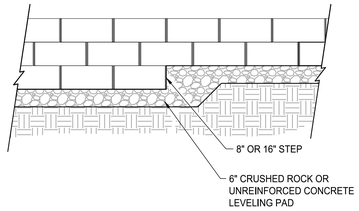
NOTE:
1. WHEN SITE CONDITIONS REQUIRE, WRAP DRAINAGE TILE IN 3/4" AGGREGATE AND FILTER FABRIC WITH DRAINAGE COMPOSITE OR AGGREGATE BACK DRAIN SYSTEM, AS DIRECTED BY GEOTECHNICAL ENGINEER.

TYPICAL REINFORCED WALL SECTION
STANDARD UNIT - NEAR VERTICAL SETBACK



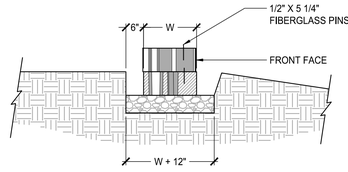
NOTE:
1. SECURE ALL CAP UNITS WITH KEYSTONE KAPSEAL OR EQUAL.

TOP OF WALL STEPS



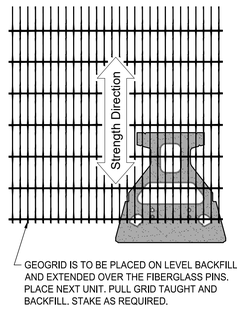
ELEVATION

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

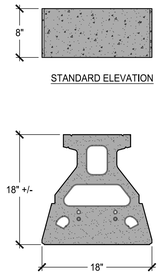


SECTION

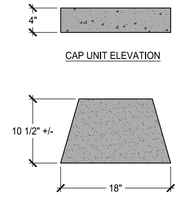
LEVELING PAD DETAIL



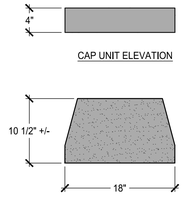
GRID & PIN CONNECTION



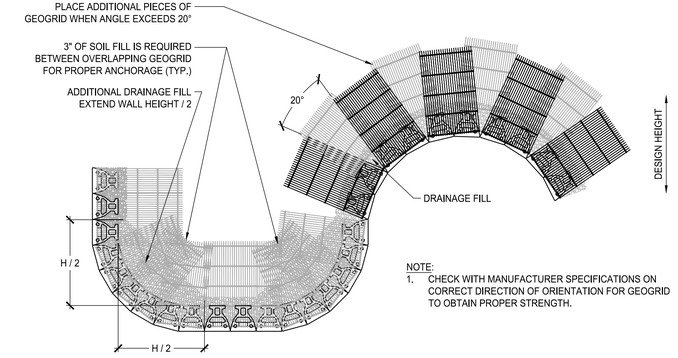
STANDARD UNIT
*Dimension May Vary by Region



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

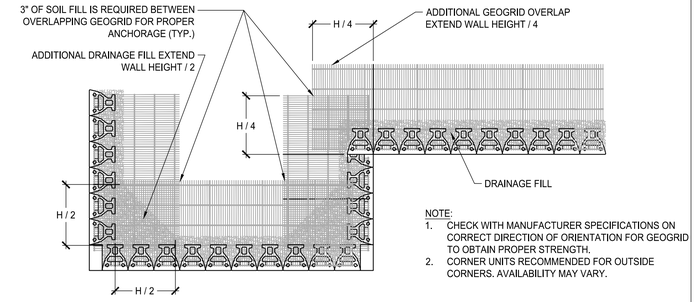


STRAIGHT SPLIT CAP UNIT OPTION
*Dimension & Availability Will Vary by Region



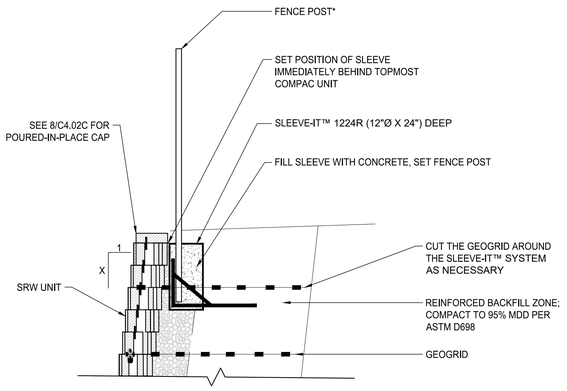
NOTE:
1. CHECK WITH MANUFACTURER SPECIFICATIONS ON CORRECT DIRECTION OF ORIENTATION FOR GEOGRID TO OBTAIN PROPER STRENGTH.

GEOGRID INSTALLATION ON CURVES

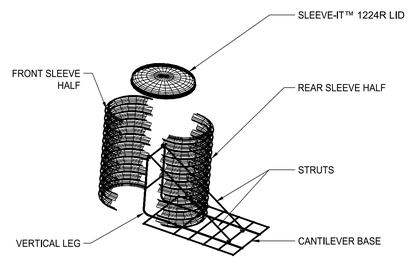


NOTE:
1. CHECK WITH MANUFACTURER SPECIFICATIONS ON CORRECT DIRECTION OF ORIENTATION FOR GEOGRID TO OBTAIN PROPER STRENGTH.
2. CORNER UNITS RECOMMENDED FOR OUTSIDE CORNERS. AVAILABILITY MAY VARY.

GEOGRID INSTALLATION AT CORNERS



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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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

ISSUE FOR PERMIT

SHEET TITLE
SITE DETAILS

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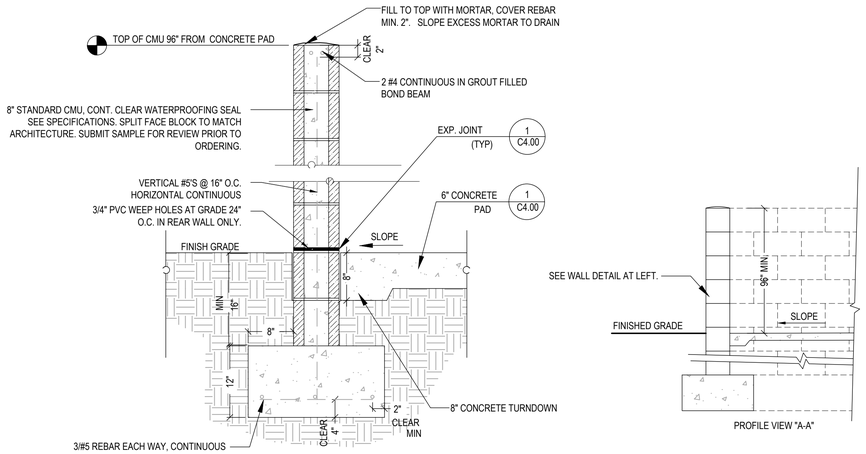
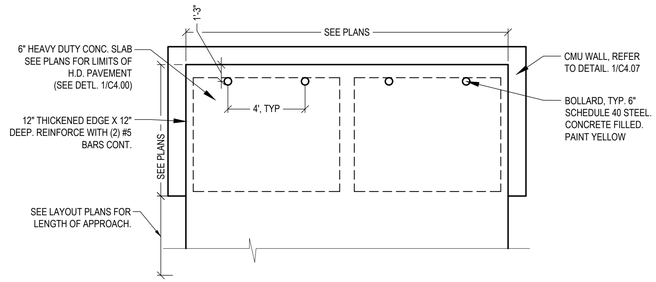


1 DUMPSTER SCREEN WALL

SCALE: NOT TO SCALE



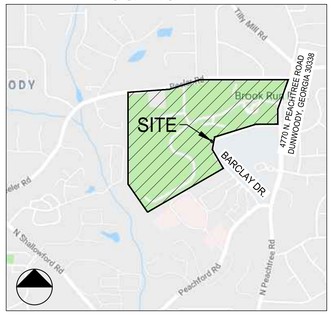
NOTE: SEE PLANS FOR LOCATIONS. DUMPSTER TO BE PROVIDED BY OWNER

SLOPE TO DRAIN AS INDICATED ON GRADING PLANS.

2 DUMPSTER PAD LAYOUT

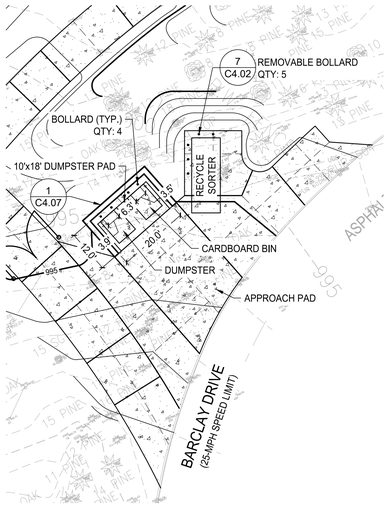
SCALE: NOT TO SCALE

LOCATION MAP



DUMPSTER LOCATION

SEE C1.04 FOR DUMPSTER AREA #1 LOCATION.



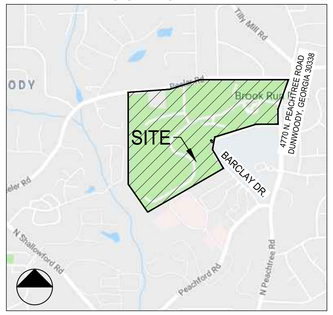
0 20' 40' 60'

SCALE: 1" = 20 '

3 DUMPSTER AREA #1

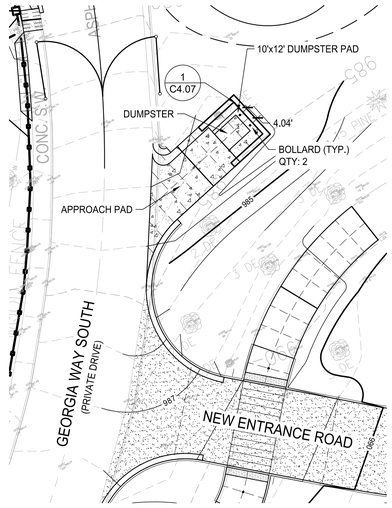
SCALE: 1" = 20'

LOCATION MAP



DUMPSTER LOCATION

SEE C1.08 FOR DUMPSTER AREA #2 LOCATION.



0 20' 40' 60'

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)

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

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION

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SHEET TITLE

SITE DETAILS

PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY TF	SCALE 1"=40'
CHECKED BY MB	
SHEET NO. C4.07	

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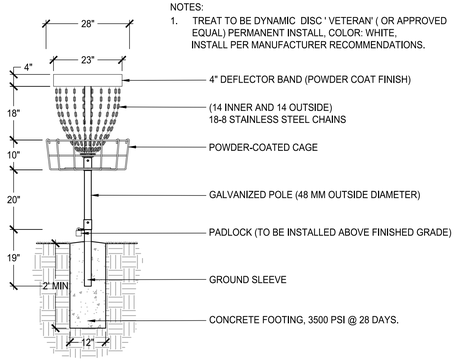
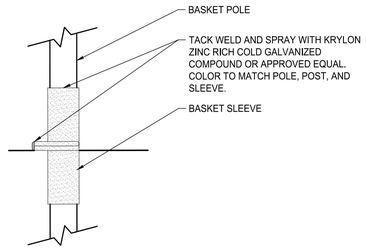
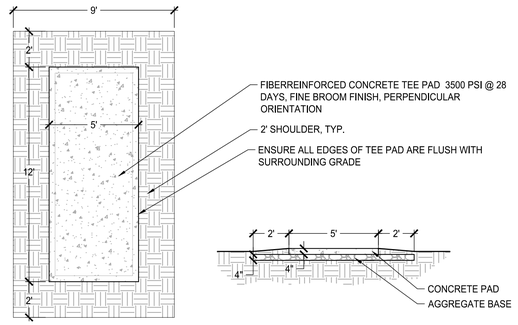
NOTES:
1. TREAT TO BE DYNAMIC DISC ' VETERAN' (OR APPROVED EQUAL) PERMANENT INSTALL, COLOR: WHITE, INSTALL PER MANUFACTURER RECOMMENDATIONS.



1 DISC GOLF BASKET
SCALE: NTS

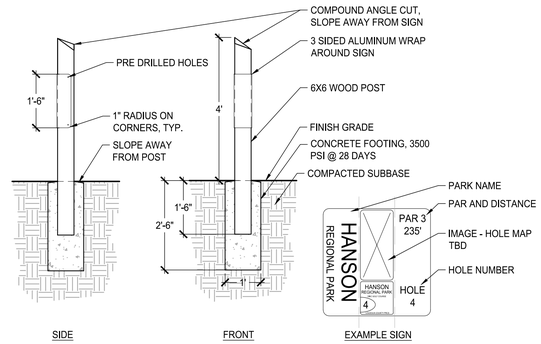


2 BASKET PERMANENT MOUNT
SCALE: NTS



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

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SITE DETAILS

PROJECT NO. 17302	DATE 01-04-2019
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C4.08

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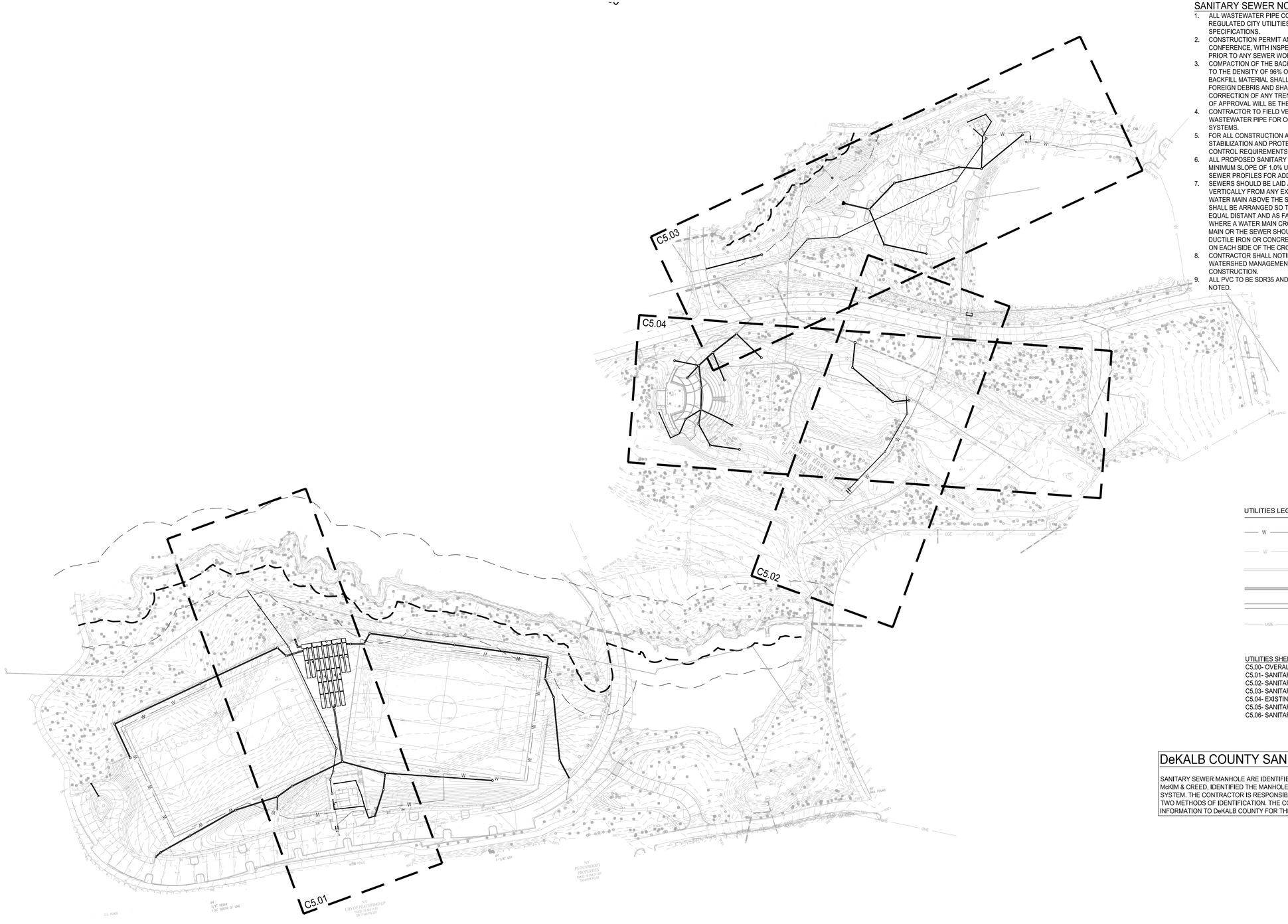

SANITARY SEWER NOTES:

1. ALL WASTEWATER PIPE CONSTRUCTION MUST CONFORM TO ALL REGULATED CITY UTILITIES DEPT. SEWER STANDARDS AND SPECIFICATIONS.
2. CONSTRUCTION PERMIT AND A MANDATORY PRE-CONSTRUCTION CONFERENCE, WITH INSPECTOR BY APPOINTMENT ONLY, ARE REQUIRED PRIOR TO ANY SEWER WORK.
3. 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.
4. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT ELEVATIONS OF WASTEWATER PIPE FOR CONNECTION TO EXISTING WASTEWATER SYSTEMS.
5. 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].
6. 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).
7. 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.
8. CONTRACTOR SHALL NOTIFY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.
9. ALL PVC TO BE SDR35 AND ALL DIP TO BE CLASS 350, UNLESS OTHERWISE NOTED.

UTILITIES LEGEND:

- PROPOSED WATERLINE
- EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED SEWER ROUTING
- PROPOSED STORM LINE
- 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 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.

Know what's **below.**
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0 100 200 300
SCALE: 1" = 100 '

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No. PE041517
PROFESSIONAL
01/04/19
ENGINEER

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CITY OF DUNWOODY
GEORGIA
DUNWOODY

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SANITARY SEWER PLAN
SHEETS KEY

PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY CD	SCALE 1"=100'
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C5.00

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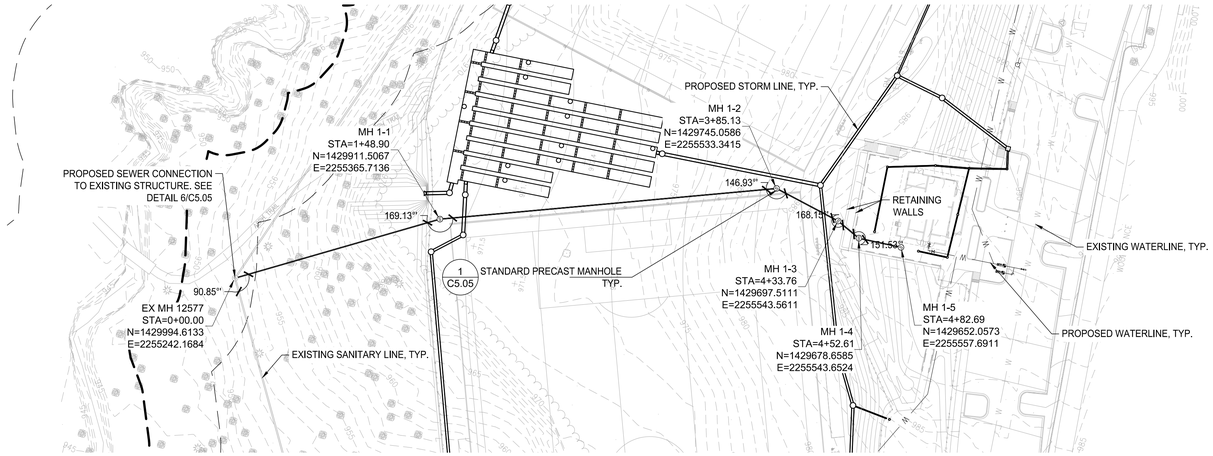
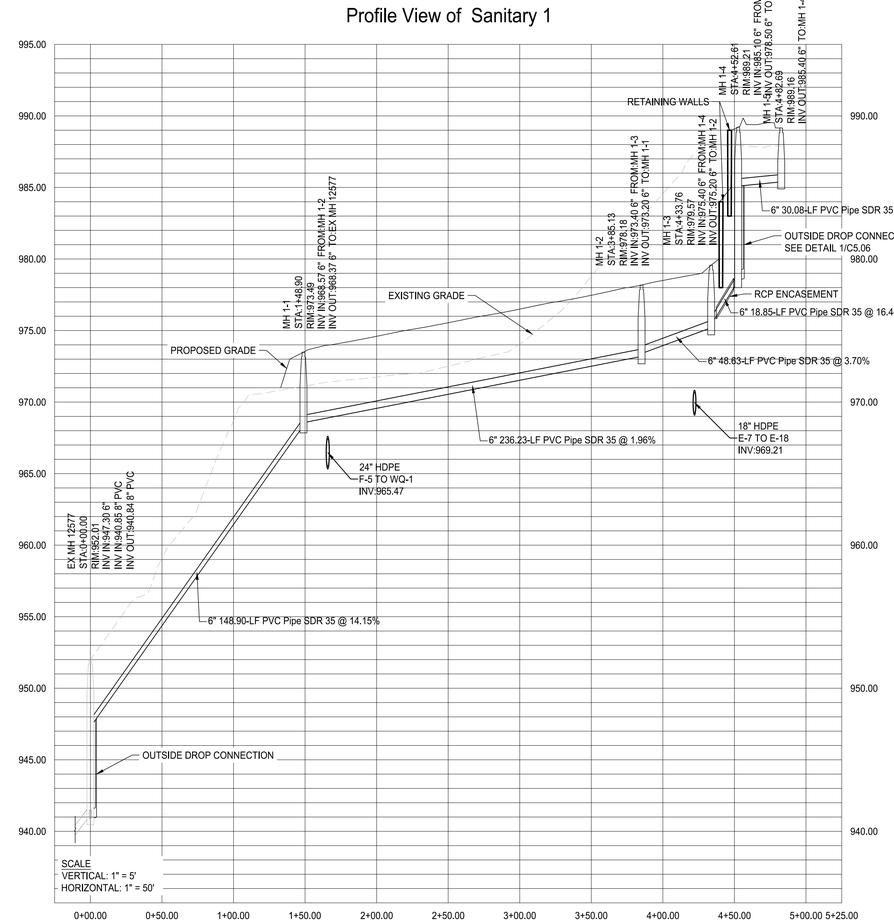


EXISTING SEWER NOTE:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITY STRUCTURES AND PIPES.
2. CONTRACTOR TO EXTEND EXISTING MANHOLE TO MATCH PROPOSED GRADE, AS NEEDED.

0 50 100 150

SCALE: 1" = 50 '



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ENGINEER

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GEORGIA

DUNWOODY

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SANITARY SEWER PLAN AND PROFILE

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SHEET NO. C5.01	

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EXISTING SEWER NOTE:
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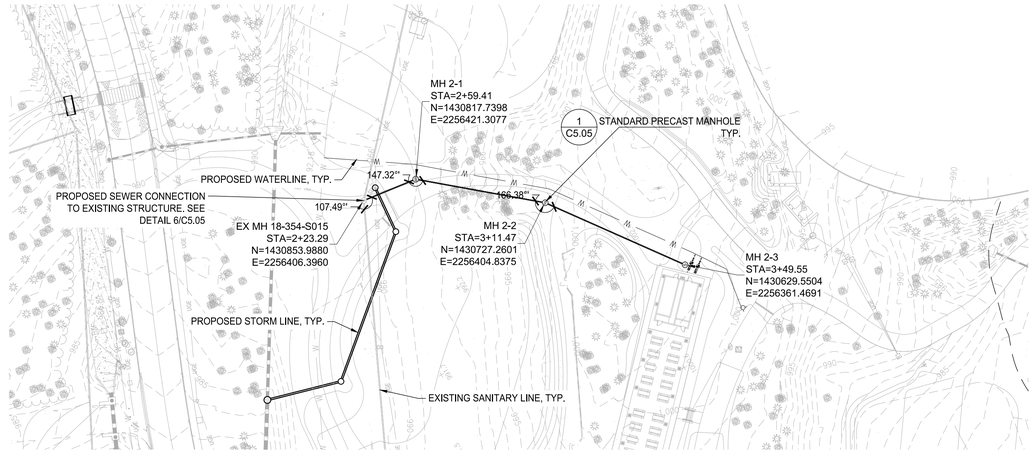
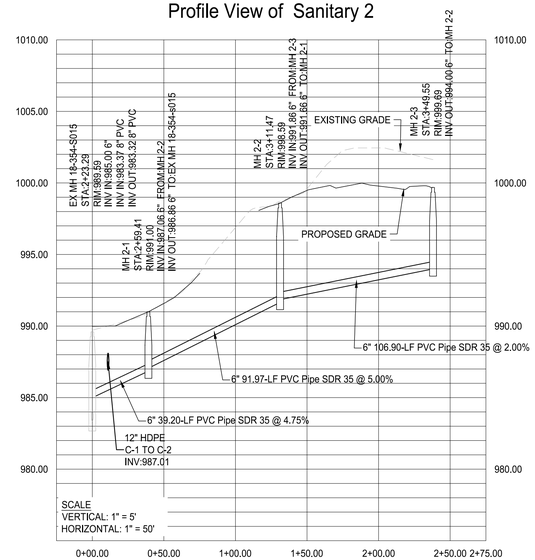


0 50 100 150

SCALE: 1" = 50 '

Profile View of Sanitary 2



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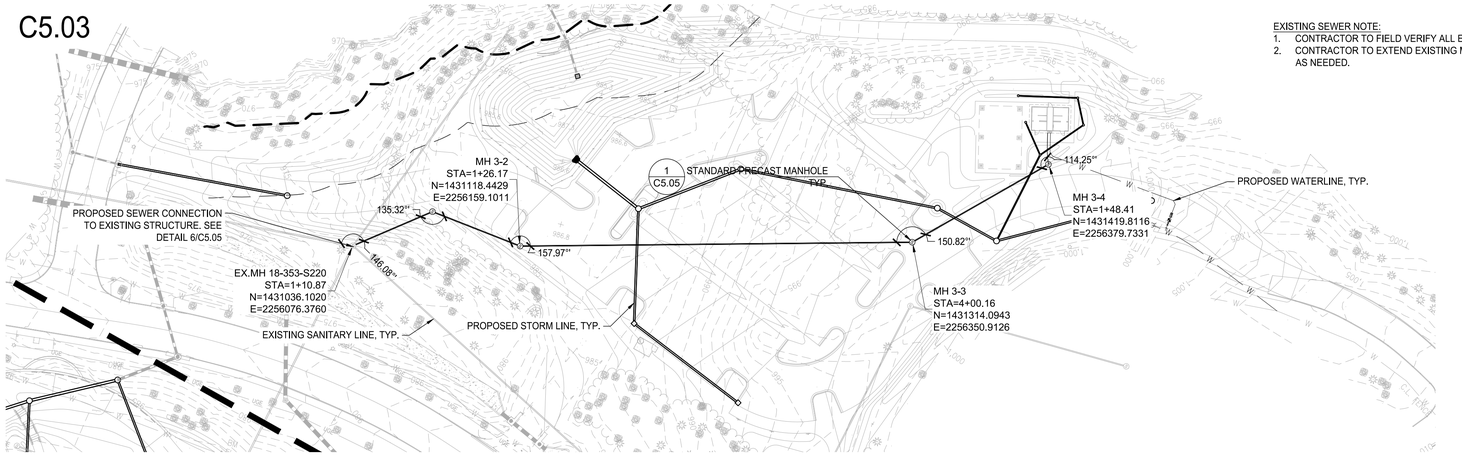
C5.03

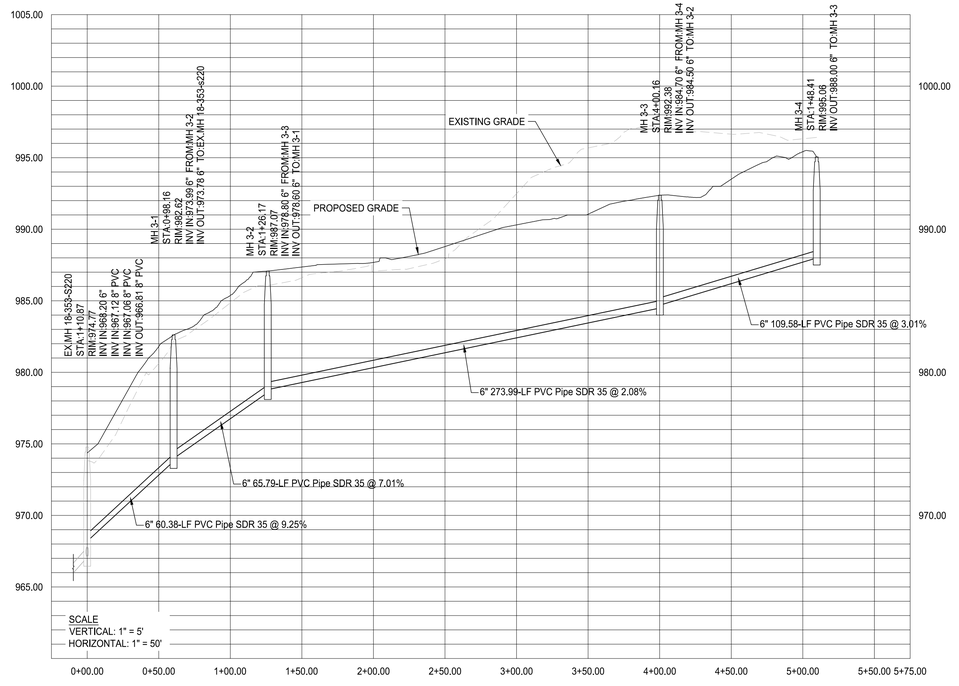


EXISTING SEWER NOTE:
1. CONTRACTOR TO FIELD VERIFY ALL EXISTING SEWER STRUCTURES AND PIPES.
2. CONTRACTOR TO EXTEND EXISTING MANHOLE TO MATCH PROPOSED GRADE, AS NEEDED.

0 50 100 150

SCALE: 1" = 50 '

Profile View of Sanitary 3



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C5.03

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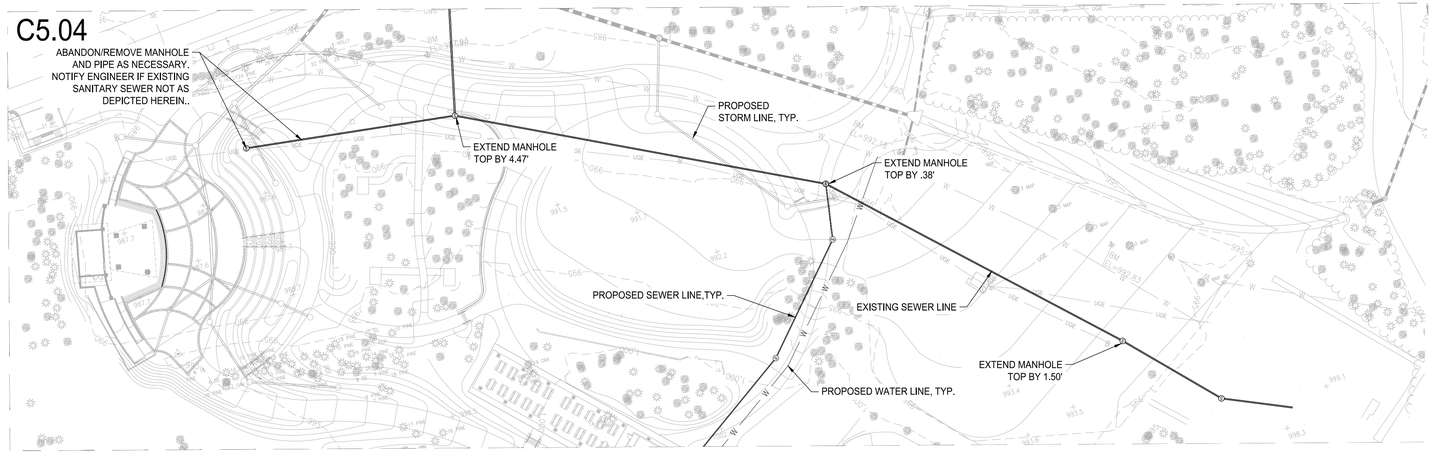
EXISTING SEWER NOTE:
1. CONTRACTOR TO FIELD VERIFY ALL EXISTING SEWER STRUCTURES AND PIPES.
2. CONTRACTOR TO EXTEND EXISTING MANHOLE TO MATCH PROPOSED GRADE, AS NEEDED.

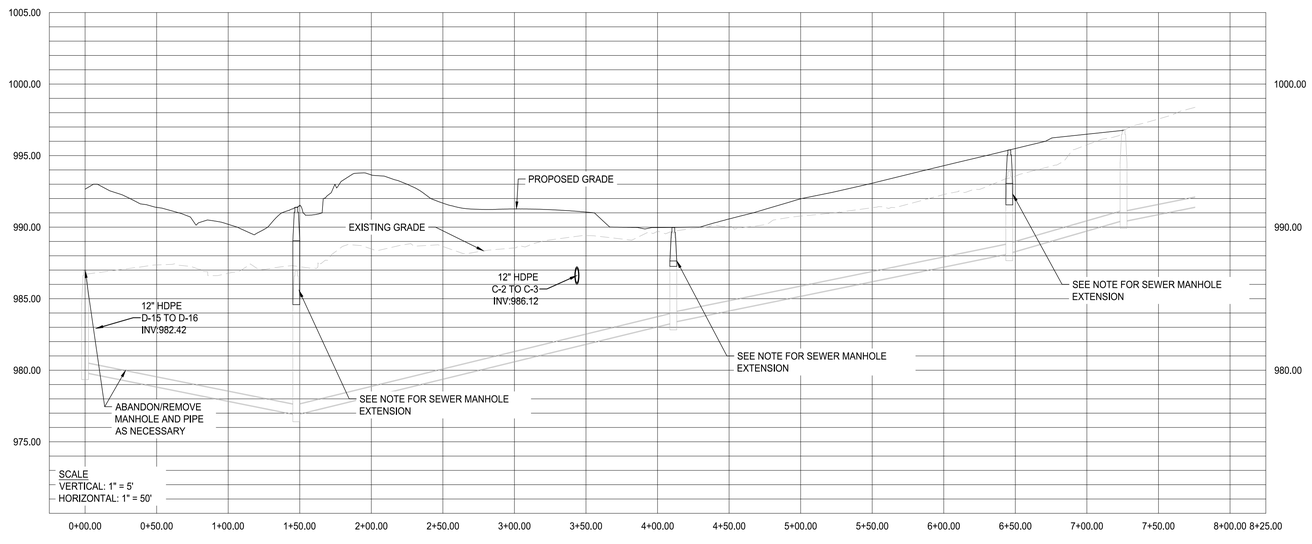


UTILITIES LEGEND:

- 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 '



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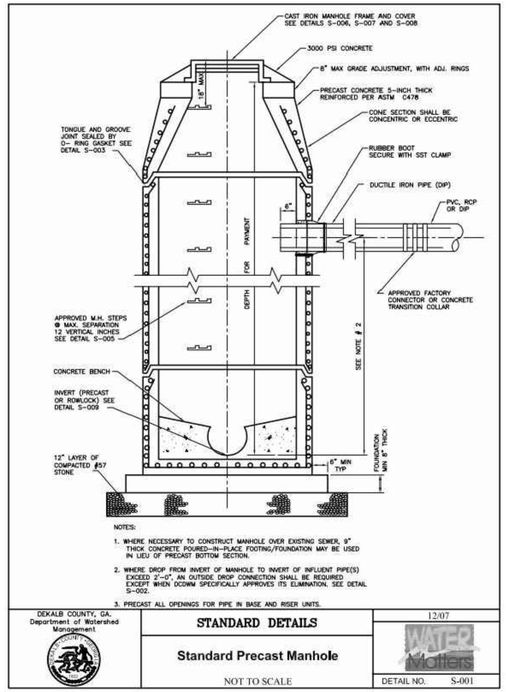

1 STANDARD PRECAST MANHOLE
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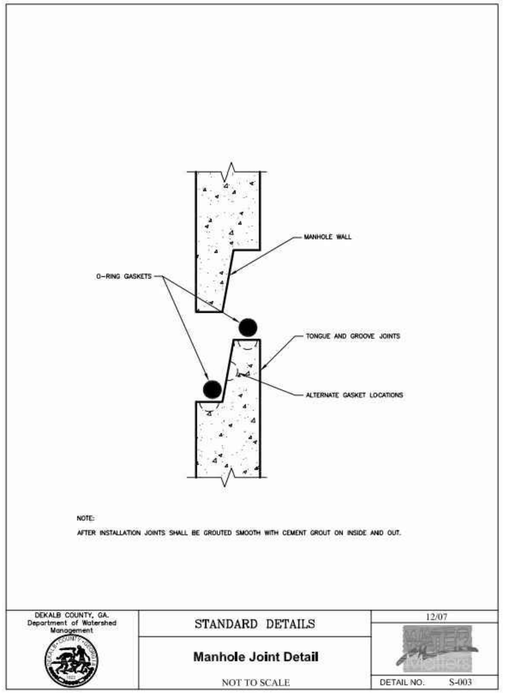
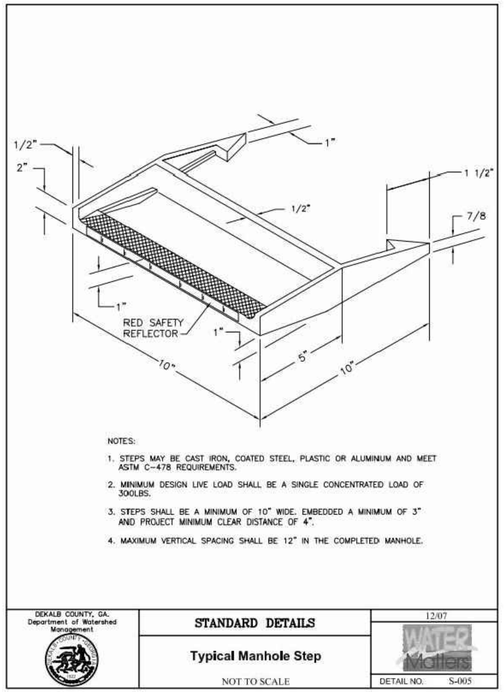
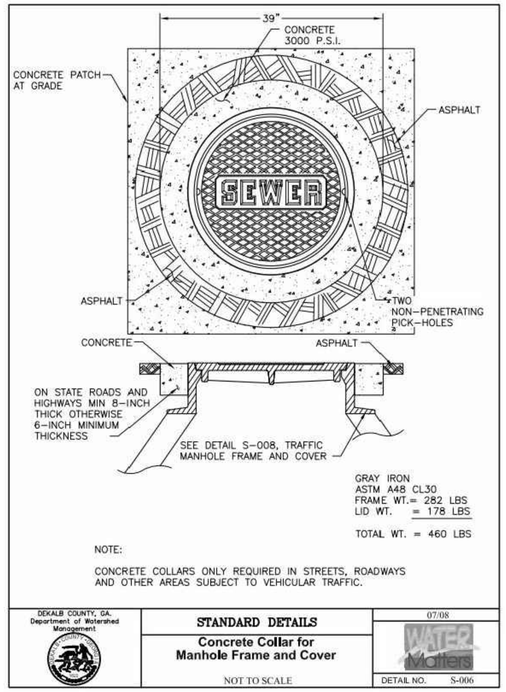


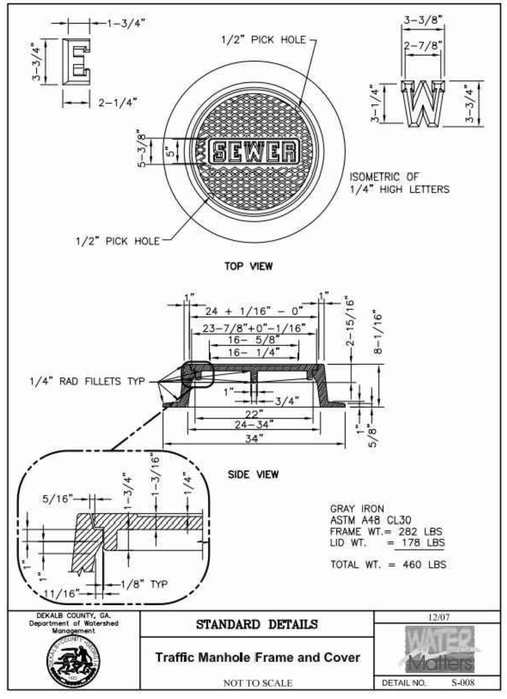
2 MANHOLE JOINT DETAIL
SCALE: NTS



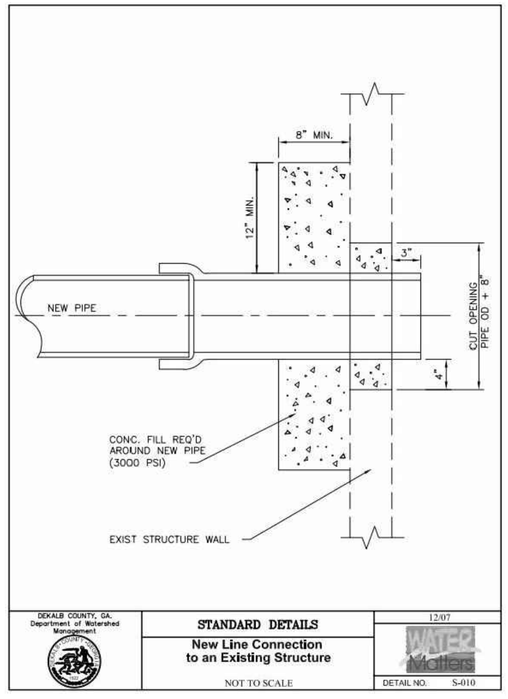
3 MANHOLE STEP
SCALE: NTS



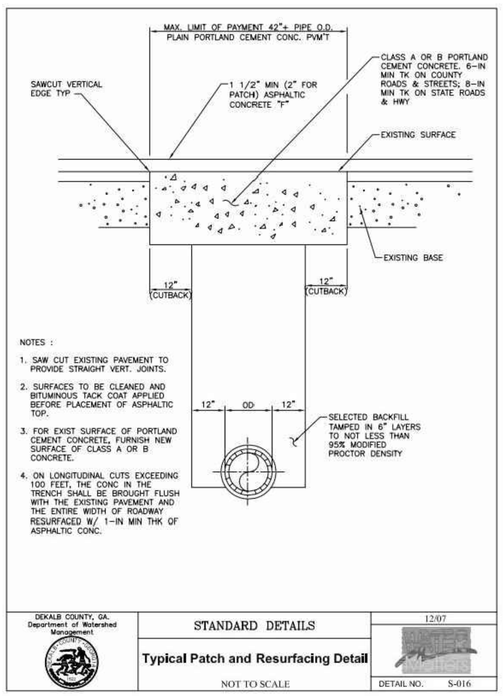
4 CONCRETE COLLAR
SCALE: NTS



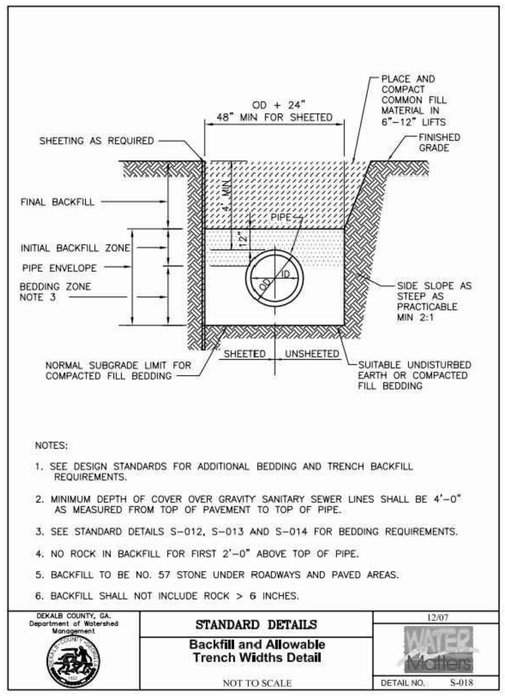
5 TRAFFIC MANHOLE
SCALE: NTS



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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01/04/19
ENGINEER
PEYTON IRL LINGLE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

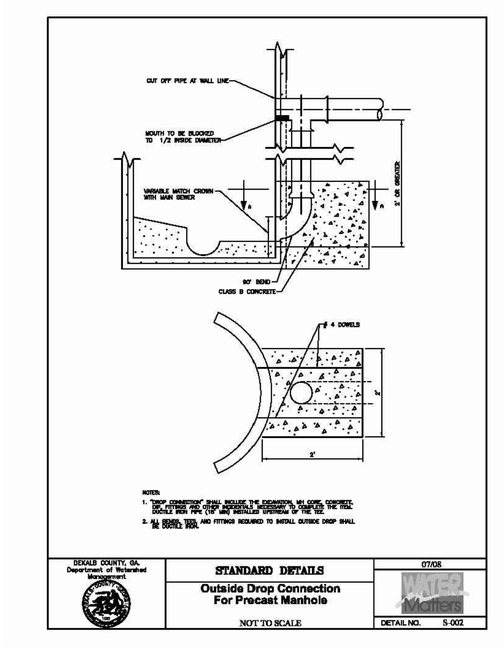
SANITARY SEWER DETAILS

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

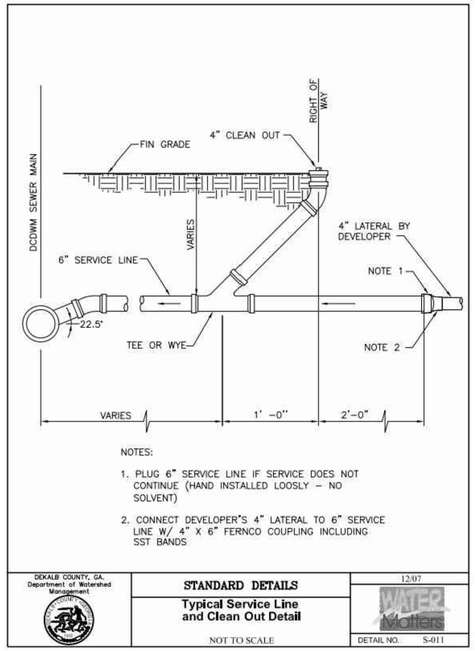
SHEET NO.

C5.05

G:\17000s\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_C000_SEWER_SERIES.dwg - Printed on 2019-01-03 at 8:22:47 PM.



1 DEKALB COUNTY STANDARD WATER DISTRIBUTION DETAILS
SCALE: NTS



2 TYPICAL SERVICE LINE AND CLEANOUT DETAIL
SCALE: NTS

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

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
DUNWOODY
GEORGIA

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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SHEET TITLE
SANITARY SEWER DETAILS

PROJECT NO. 17302	DATE 01-04-2019
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SHEET NO. C5.06	

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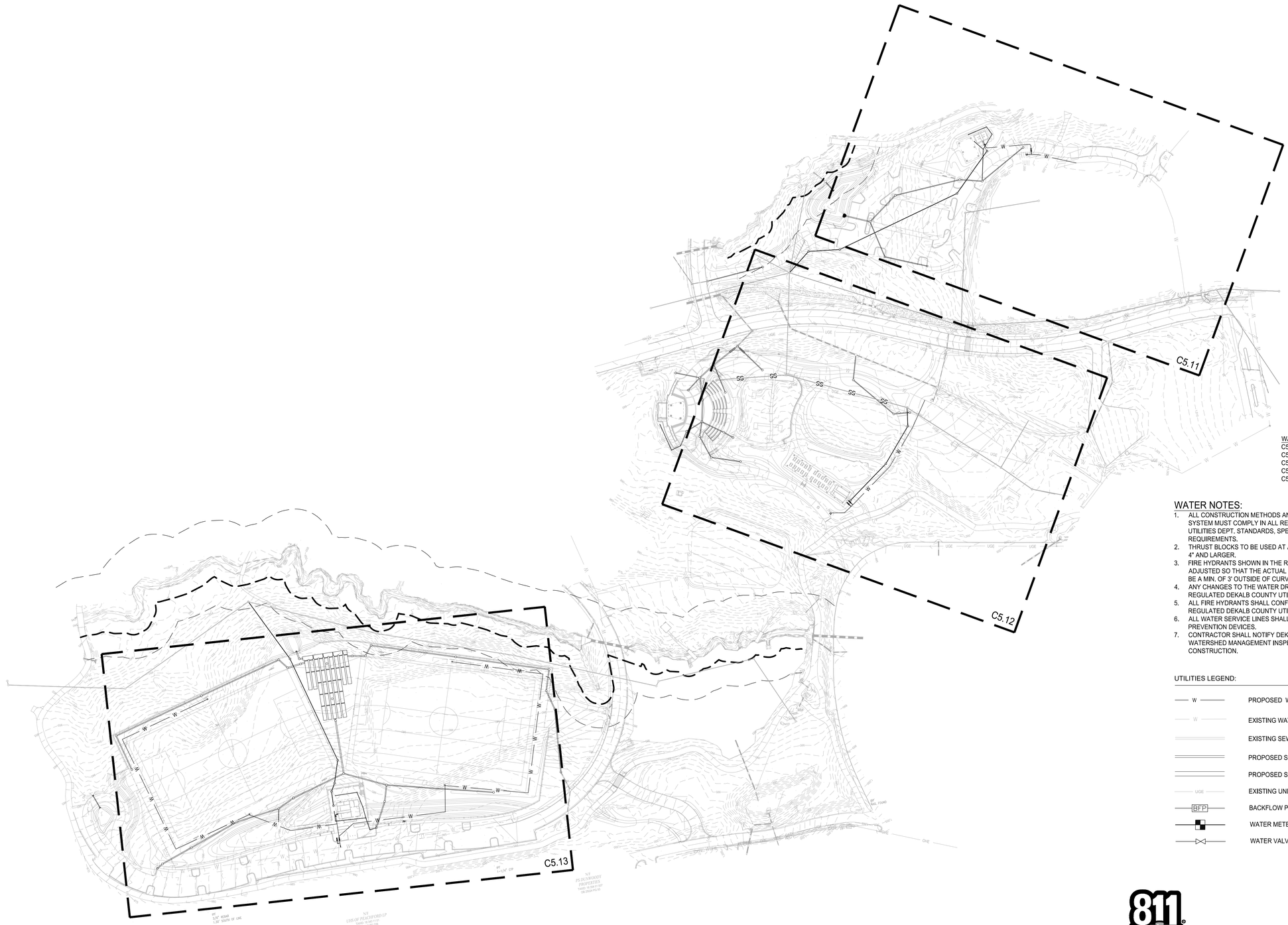

WATER PLAN SHEET LEGEND:
C5.10- OVERALL SITE WATER LAYOUT
C5.11- WATER DISTRIBUTION PLAN
C5.12- WATER DISTRIBUTION PLAN
C5.13- WATER DISTRIBUTION PLAN
C5.14- WATER DISTRIBUTION DETAILS

WATER NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIALS USED IN THE WATER SYSTEM MUST COMPLY IN ALL REGULATED CITY OF WINDER PUBLIC UTILITIES DEPT. STANDARDS, SPECIFICATIONS AND INSPECTION REQUIREMENTS.
2. THRUST BLOCKS TO BE USED AT ALL BENDS, PLUGS, AND TEES ON LINES 4" AND LARGER.
3. 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.
4. ANY CHANGES TO THE WATER DRAWINGS MUST BE APPROVED BY THE REGULATED DEKALB COUNTY UTILITIES DEPARTMENT.
5. ALL FIRE HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE REGULATED DEKALB COUNTY UTILITIES DEPARTMENT.
6. ALL WATER SERVICE LINES SHALL BE EQUIPPED WITH BACKFLOW PREVENTION DEVICES.
7. CONTRACTOR SHALL NOTIFY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT INSPECTOR 48 HOURS PRIOR TO START OF CONSTRUCTION.

UTILITIES LEGEND:

- PROPOSED WATERLINE
- EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED SEWER ROUTING
- PROPOSED STORM LINE
- EXISTING UNDERGROUND ELECTRIC
- BFP — BACKFLOW PREVENTER
- WATER METER
- WATER VALVE

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

0 100 200 300
SCALE: 1" = 100 '

LOSE DESIGN
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PEYTON IRL LINGLE
No. PE041317
PROFESSIONAL
01/04/19
ENGINEER

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS

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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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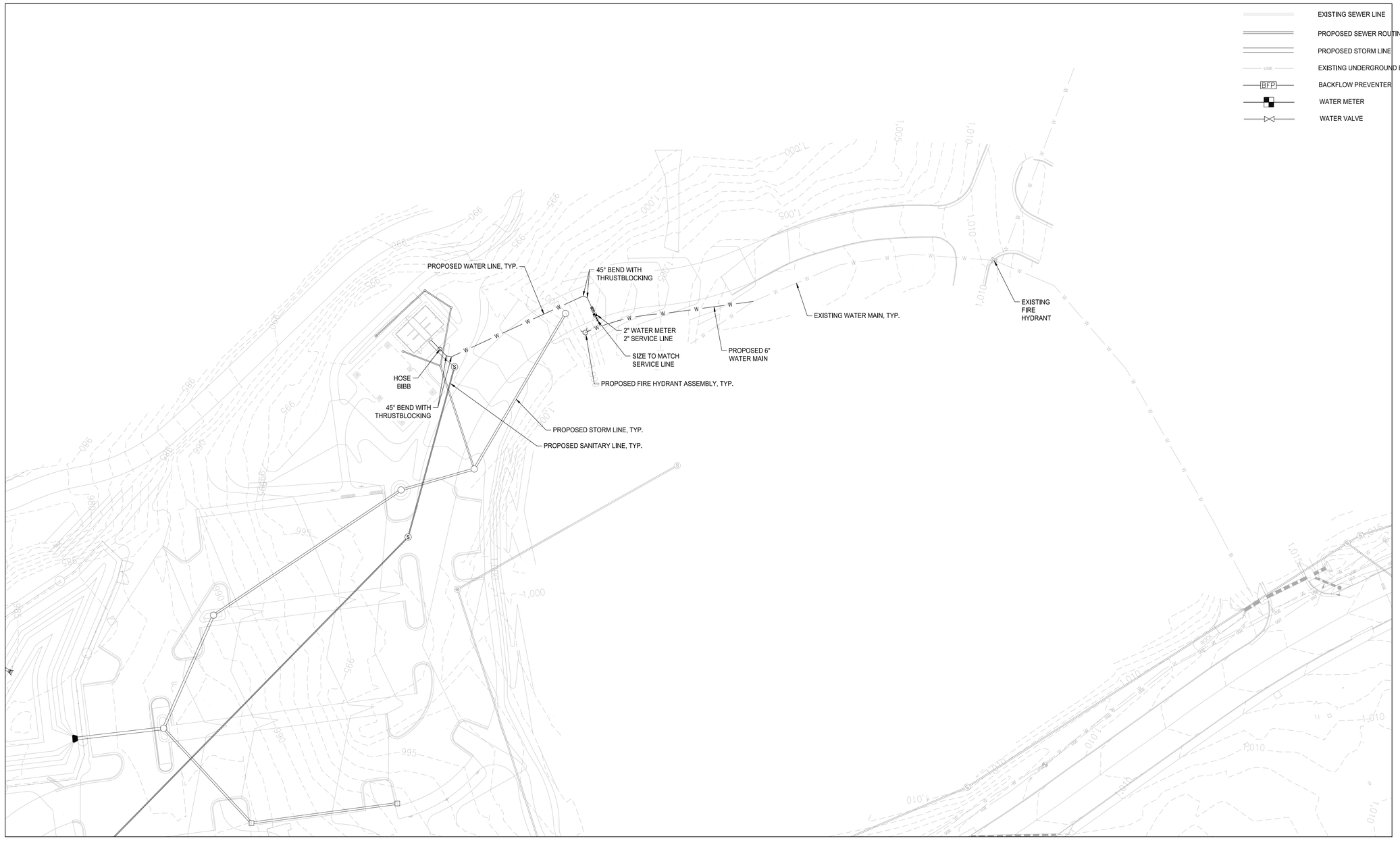
UTILITIES LEGEND:

- 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



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

0 30 60 120

SCALE: 1" = 30 '

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01/04/19
ENGINEER
PEYTON IRL LINGLE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

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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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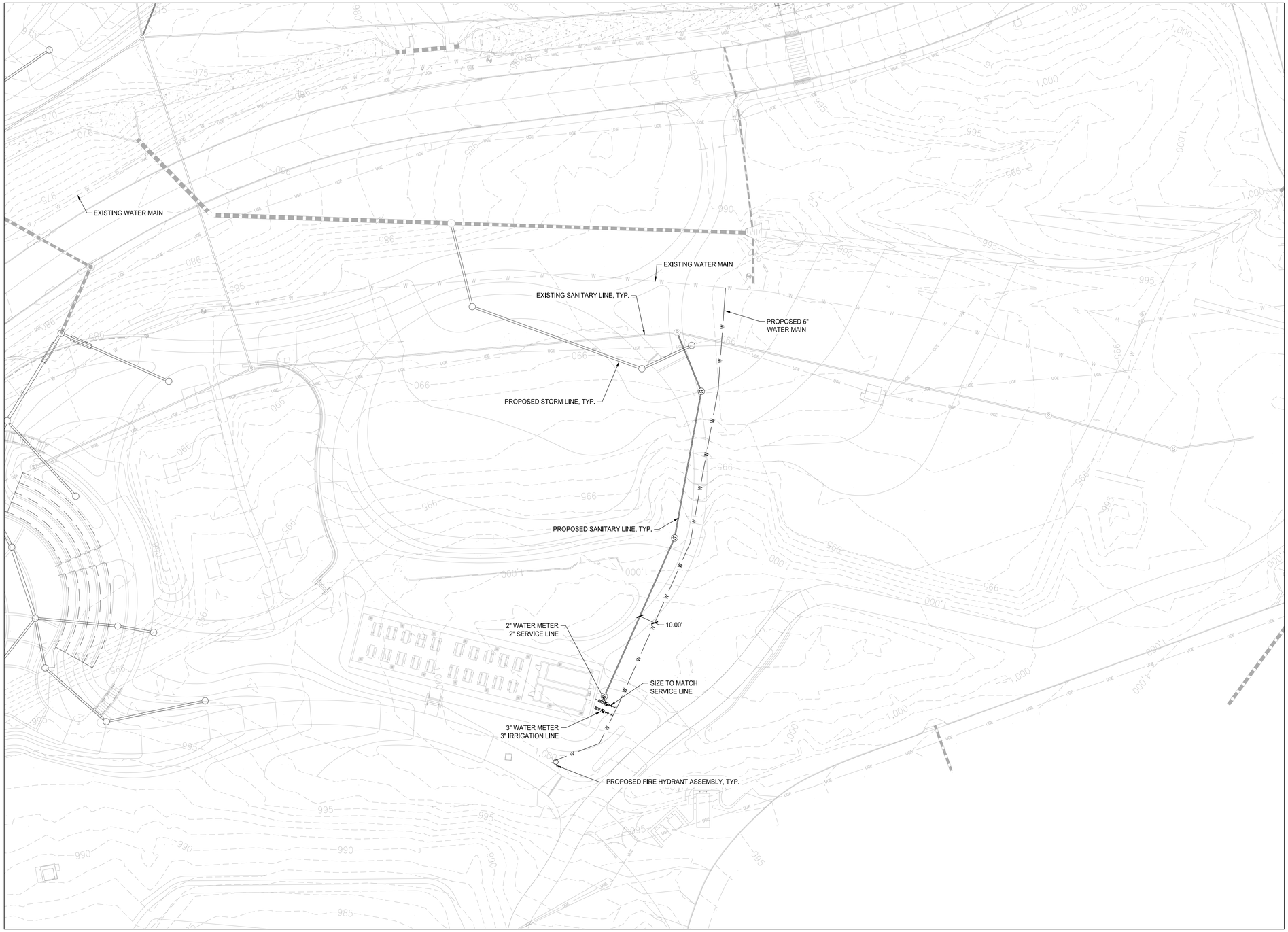

UTILITIES LEGEND:

- PROPOSED WATERLINE
- EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED SEWER ROUTING
- PROPOSED STORM LINE
- EXISTING UNDERGROUND ELECTRIC
- BACKFLOW PREVENTER
- WATER METER
- WATER VALVE

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0 30 60 120

SCALE: 1" = 30 '

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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

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NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

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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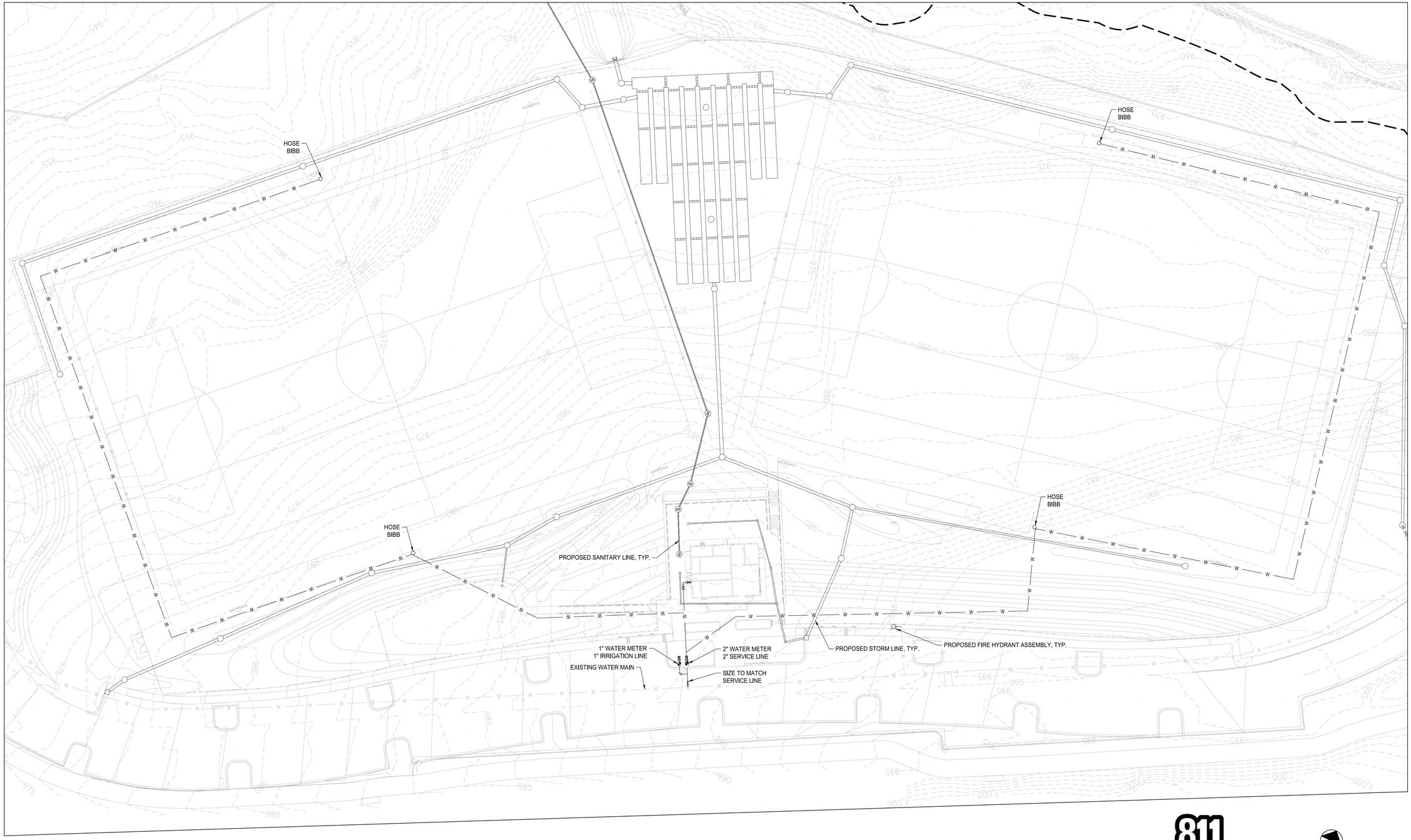
UTILITIES LEGEND:

- 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



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0 30 60 120

SCALE: 1" = 30 '

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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

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SHEET TITLE

WATER DISTRIBUTION PLAN

PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY CD	SCALE 1"=30'
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SHEET NO. C5.13	

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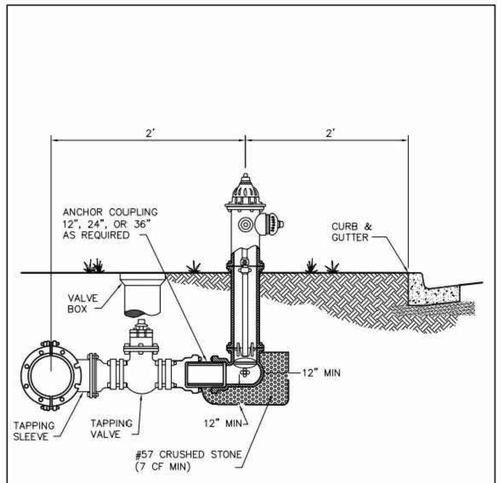


DEKALB COUNTY, GA. Department of Watershed Management

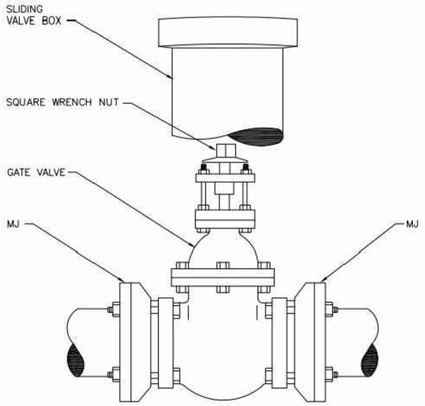
STANDARD DETAILS

Typical Fire Hydrant Detail
Tap Installation

NOT TO SCALE

07/08

DETAIL NO. W-004



DEKALB COUNTY, GA. Department of Watershed Management

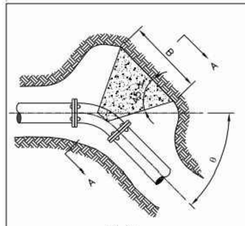
STANDARD DETAILS

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

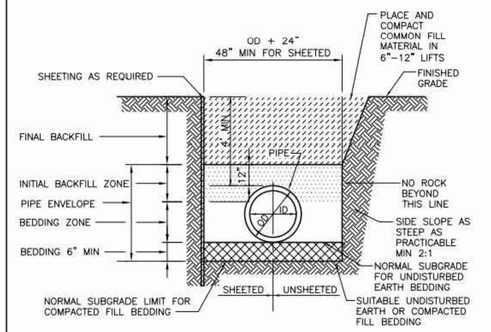
STANDARD DETAILS

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

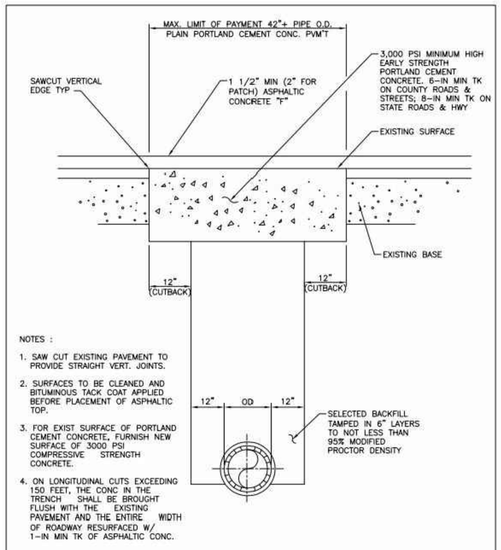
STANDARD DETAILS

Backfill and Allowable
Trench Widths Detail

NOT TO SCALE

11/07

DETAIL NO. W-019



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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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

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WATER DISTRIBUTION DETAILS

PROJECT NO. 17302	DATE 01-04-2019
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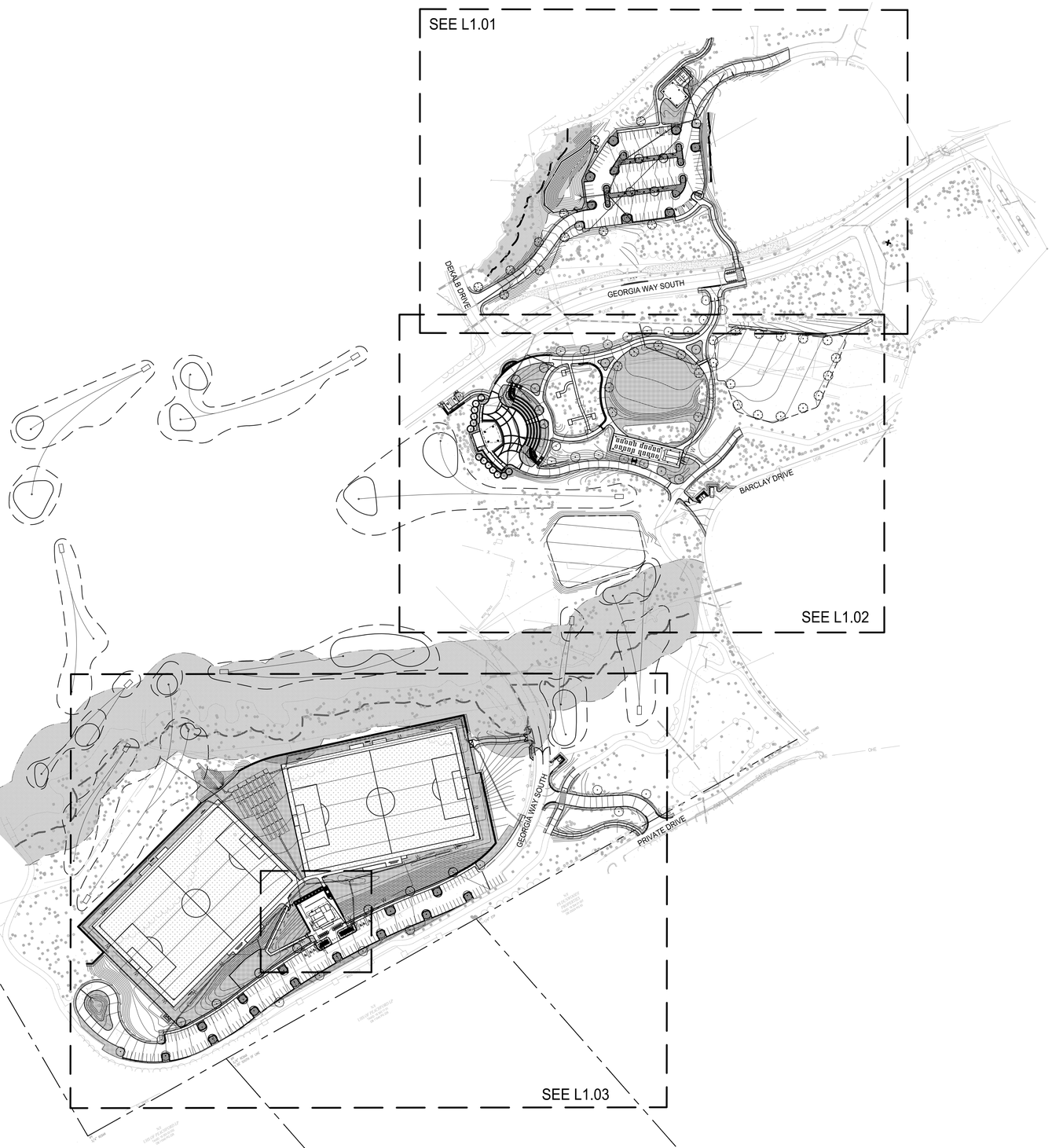

0 120 240 360

SCALE: 1" = 120 '

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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

SUBMITTALS / REVISIONS	
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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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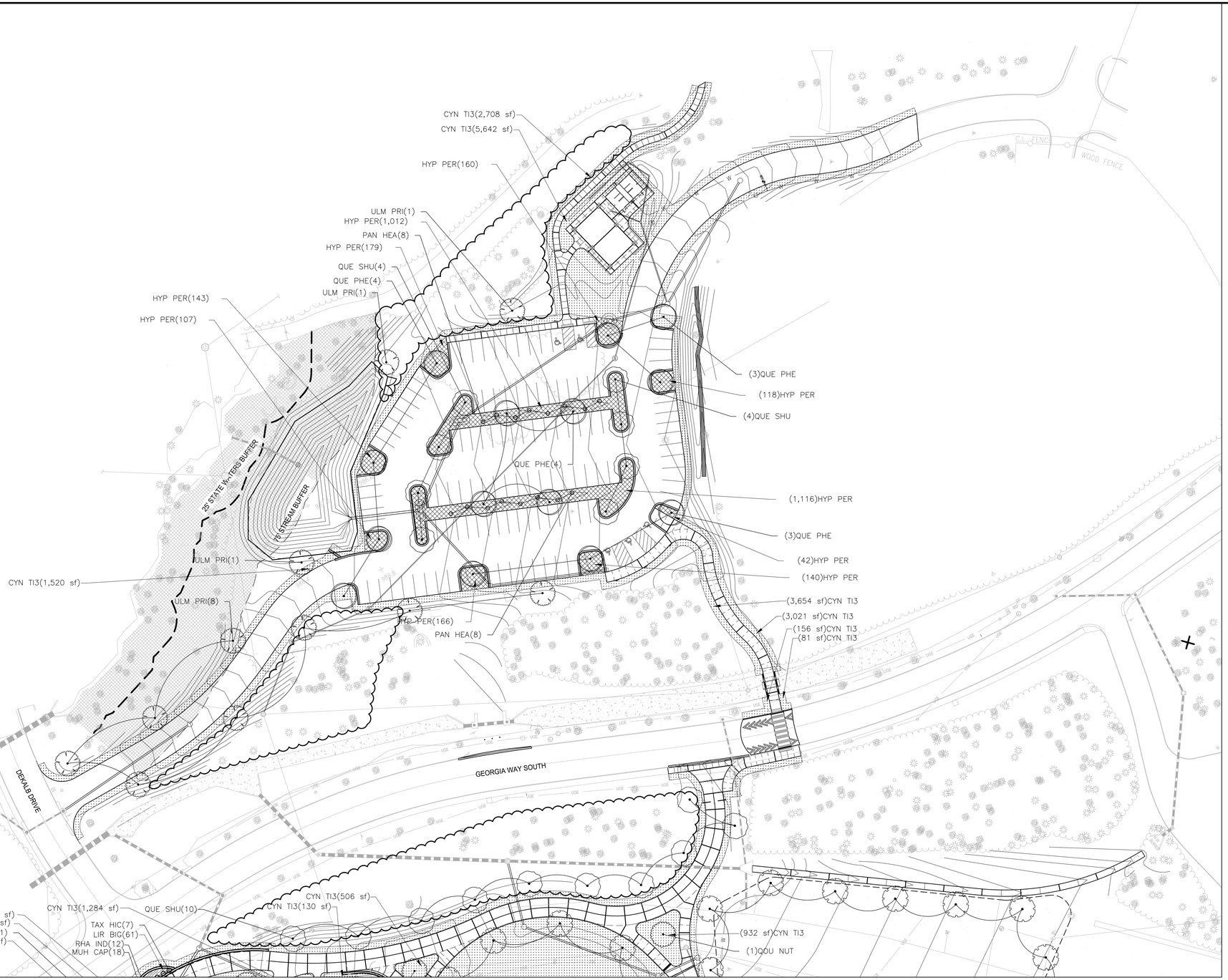

LEGEND

TREE REPLACEMENT AREA

0 40 80 120

SCALE: 1" = 40 '

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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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SHEET TITLE

LANDSCAPE PLAN

PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY TF	SCALE 1"=40'
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SHEET NO. L1.01	

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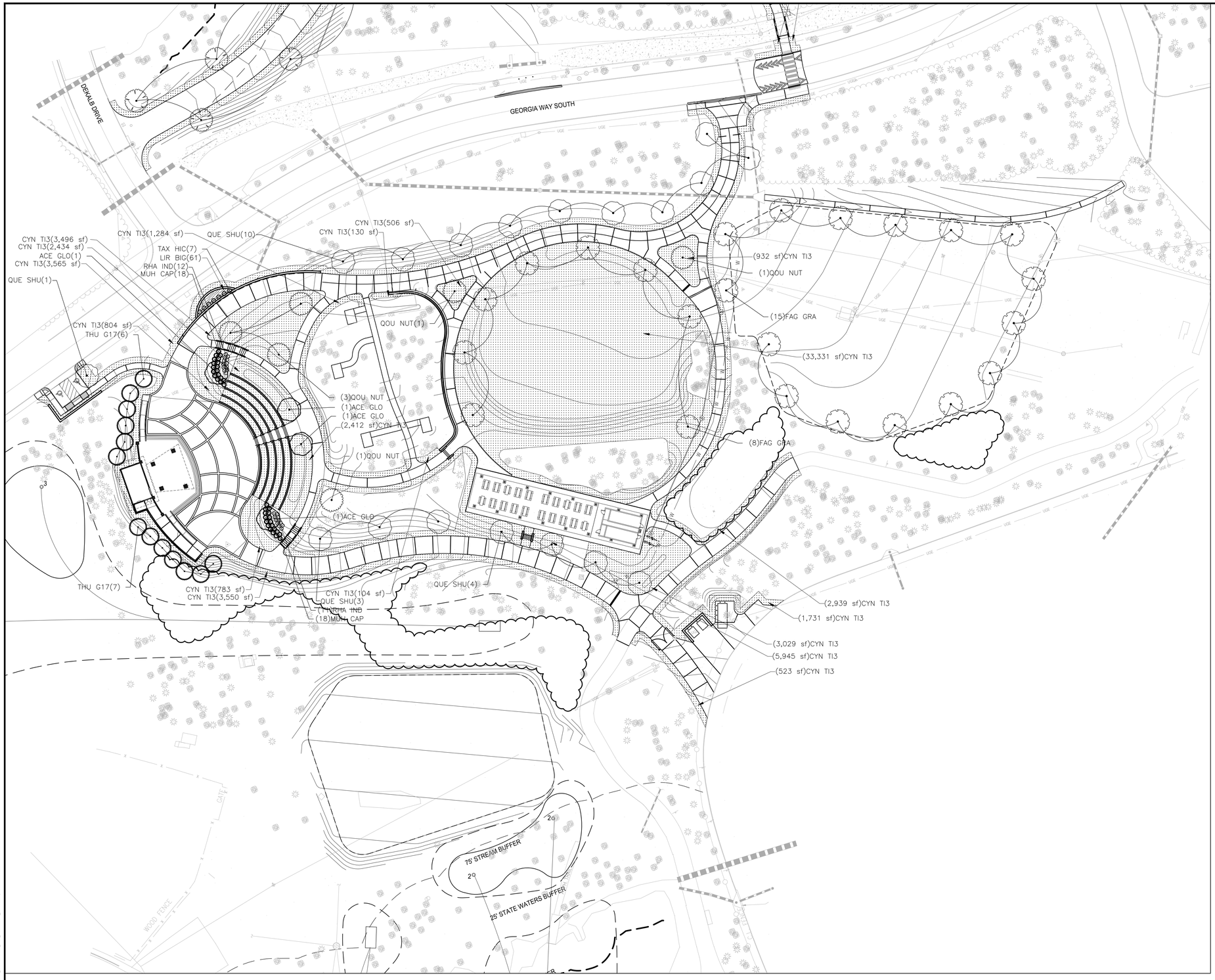

LEGEND

TREE REPLACEMENT AREA

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

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LANDSCAPE PLAN

PROJECT NO. 17302	DATE 01-04-2019
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25' STATE WATERS BUFFER

25' STATE WATERS BUFFER

75' STREAM BUFFER

25' STATE WATERS BUFFER

25' STATE WATERS BUFFER

75' STREAM BUFFER

75' STREAM BUFFER

CYN TI3(111,034 sf)

CYN TI3(6,055 sf)

SEE SHEET L1.04

(130 sf)CYN TI3

(972 sf)CYN TI3

(1,452 sf)CYN TI3

(3)QUE SHU

998.4

998.5

92

1001

92.1

94.6

94.7

(2,317 sf)CYN TI3

(1,002 sf)CYN TI3

(436 sf)CYN TI3

(39 sf)CYN TI3

GEORGIA WAY SOUTH

WOOD FENCE

N/F
PS DUNWOODY
PROPERTIES
TAXID: 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

WOOD FENCE

(122)HYP PER

(2,946 sf)CYN TI3

(4)QUE SHU

(122)HYP PER

(100)HYP PER

(100)HYP PER

(122)HYP PER

(4)QUE PHE

(121)HYP PER

(101)HYP PER

(108)HYP PER

(3)QUE SHU

(3,379 sf)CYN TI3

QUE PHE(4)

N/F
UHS OF PEACHFORD LP
TAXID: 18 343 11 01
DB 11545 PG 228

1/2" REBAR
3/8" REBAR
1.30' SOUTH OF LINE

1/4" CTP

LEGEND

TREE REPLACEMENT AREA

0 40 80 120

SCALE: 1" = 40 '

LOSE DESIGN
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1/4/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

GEORGIA

DUNWOODY

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SHEET TITLE

LANDSCAPE PLAN

PROJECT NO. 17302	DATE 01-04-2019
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CHECKED BY JG	
SHEET NO.	L1.03

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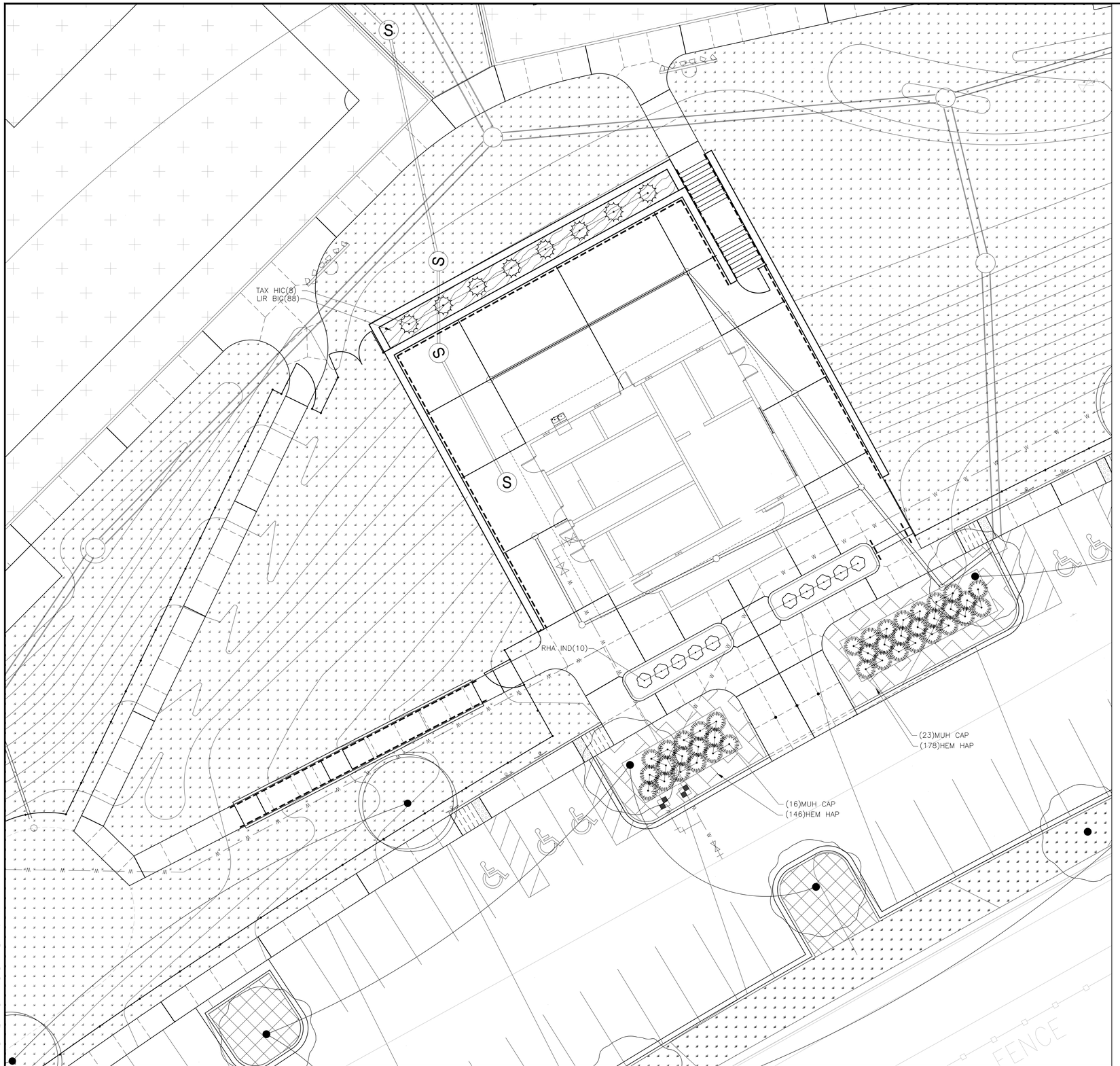

SCALE: 1" = 10 '

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

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

LANDSCAPE PLAN

PROJECT NO. 17302	DATE 01-04-2019
DRAWN BY TF	SCALE 1"=10'
CHECKED BY JG	
SHEET NO. L1.04	

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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.

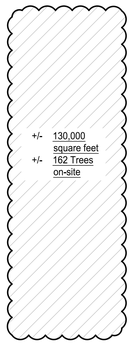
LANDSCAPE NOTES:

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:



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.

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

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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
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
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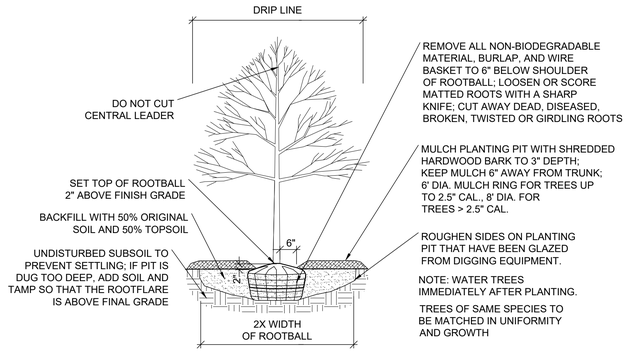
ISSUE FOR PERMIT	

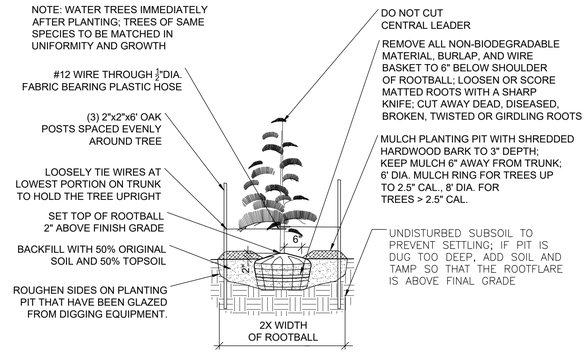
SHEET TITLE
LANDSCAPE NOTES & SCHEDULES

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

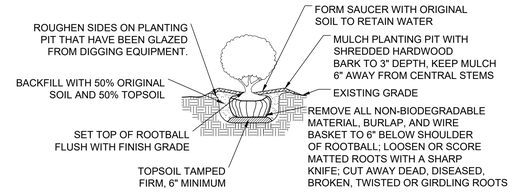
SHEET NO.
L1.05



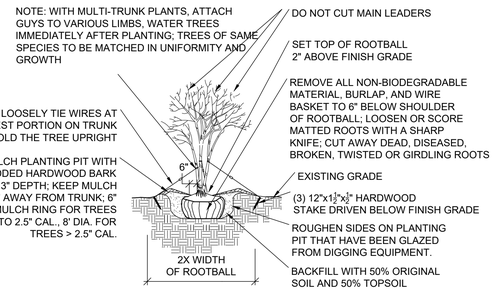
1 TYPICAL DECIDUOUS TREE PLANTING
NOT TO SCALE



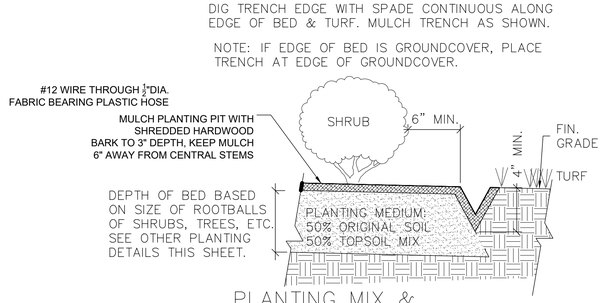
2 CONIFER TREE PLANTING
NOT TO SCALE



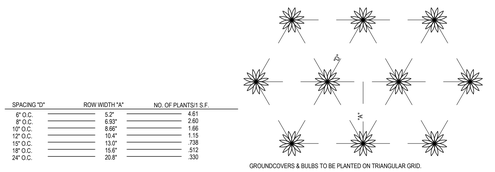
3 SHRUB PLANTING
NOT TO SCALE



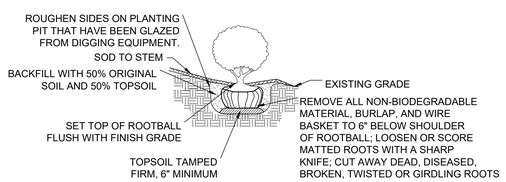
4 MULTI-TRUNKED TREE PLANTING
NOT TO SCALE



5 PLANTING MIX & TRENCH EDGE DETAIL
NOT TO SCALE



6 GROUNDCOVER SPACING
NOT TO SCALE



7 SHRUB PLANTING IN SWALE
NOT TO SCALE

01\17000\17302_Brook Run Park Improvements_Dunwoody_GA\CAD\01_SHEETS\17302_L1V01_LANDSCAPE_SEBES.dwg - Printed on 2019-01-03 at 7:09:57 PM

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

GEORGIA

DUNWOODY

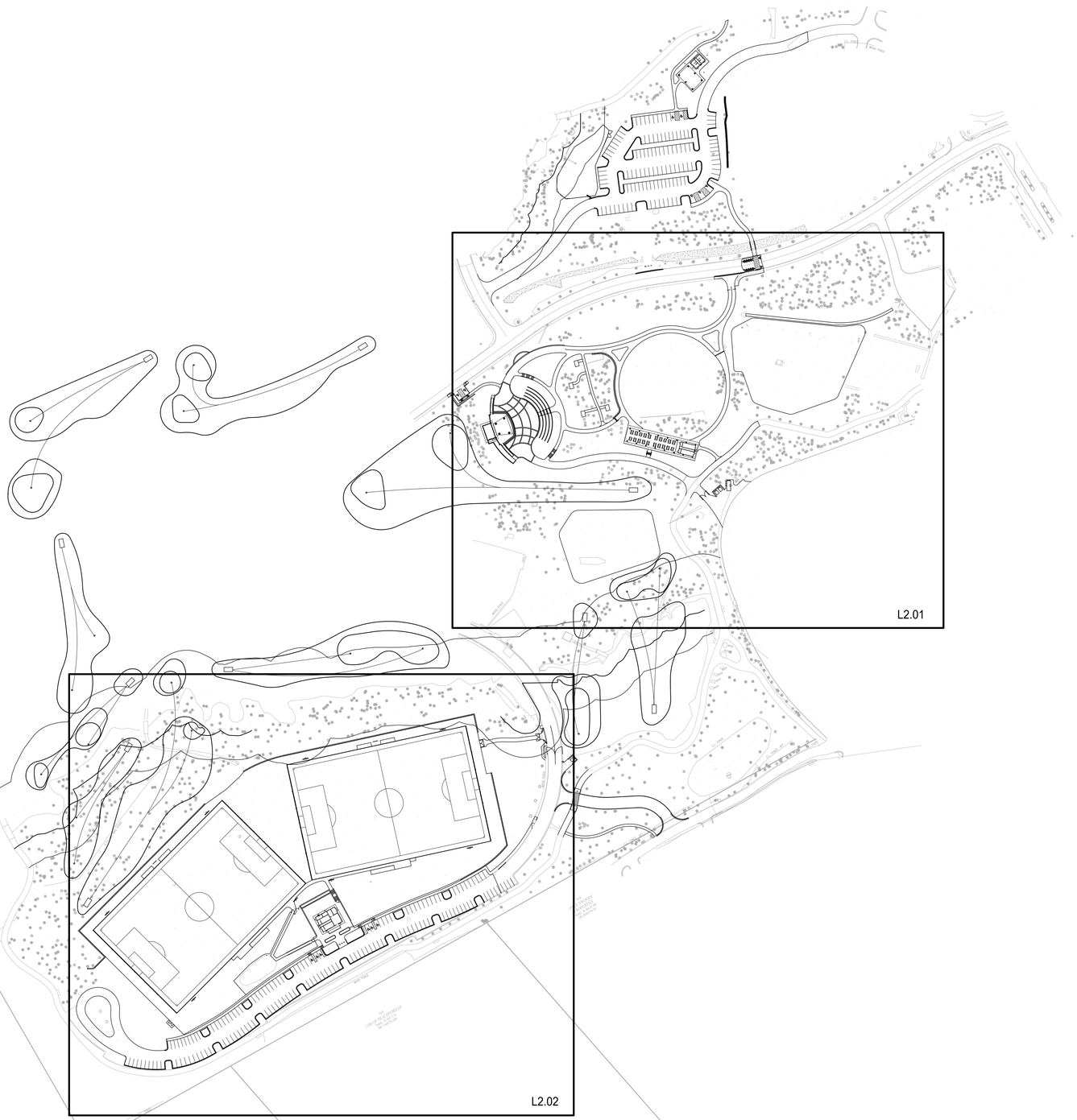
SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

LANDSCAPE DETAILS

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

L1.06



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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REGISTERED LA001872 12/19 LANDSCAPE ARCHITECT AARON J. ST. PIERRE GEORGIA

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

SHEET TITLE

IRRIGATION PLAN KEY SHEET

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

SHEET NO.

L2.00

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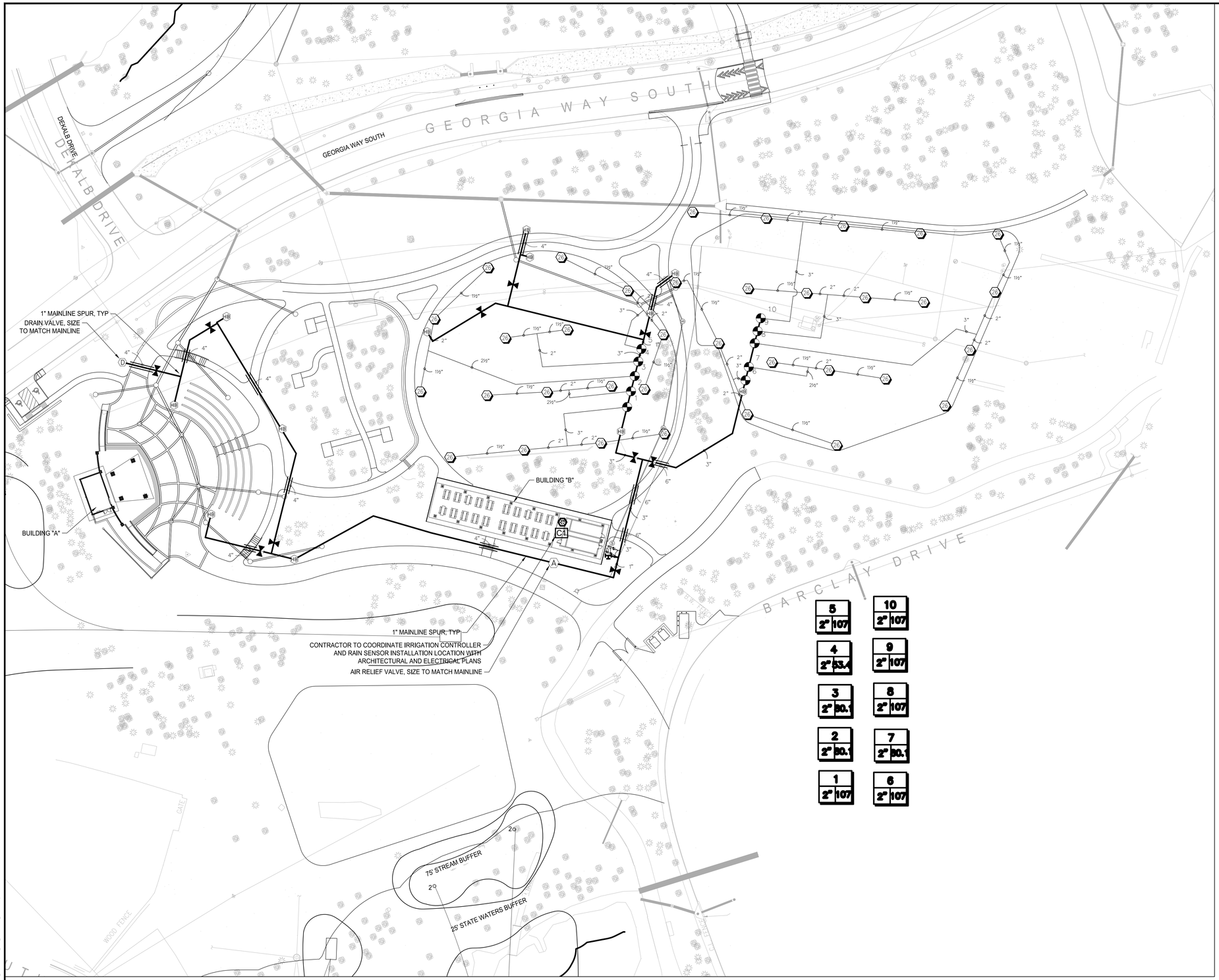

IRRIGATION LEGEND

PVC CLASS 200 MAINLINE SIZE AS NOTED.

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 / 1" / 10 — ZONE / 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 LA001872 LANDSCAPE ARCHITECT AARON J. ST. PIERRE 1/4/19

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY, GEORGIA

SUBMITTALS / REVISIONS

NO.	DATE	DESCRIPTION

ISSUE FOR PERMIT

SHEET TITLE

IRRIGATION PLAN

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

SHEET NO.

L2.01

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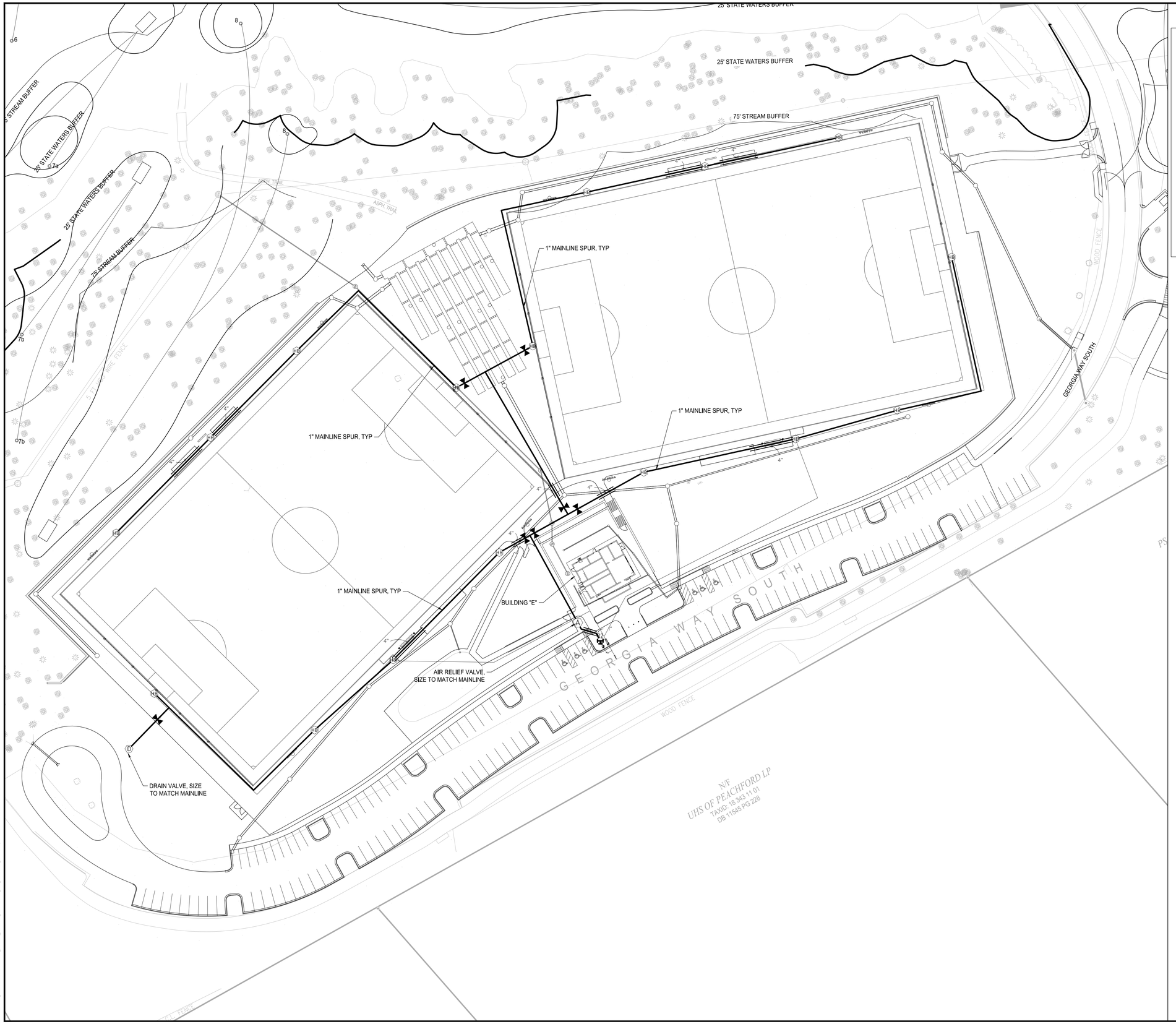

IRRIGATION LEGEND

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

BROOK RUN PARK
IMPROVEMENTS
CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION
ISSUE FOR PERMIT	

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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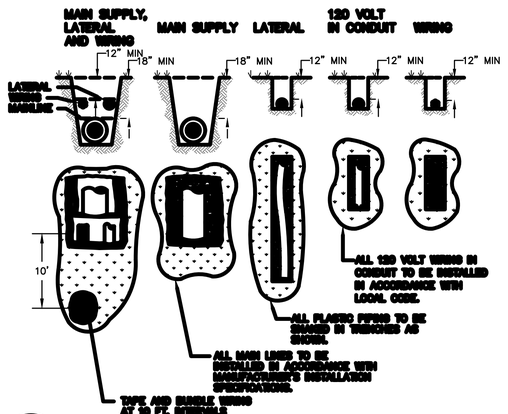
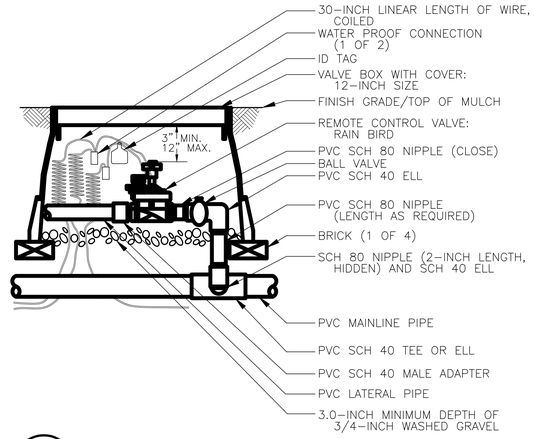


1 TYPICAL TRENCHING DETAILS
NOT TO SCALE



2 REMOTE CONTROL VALVE
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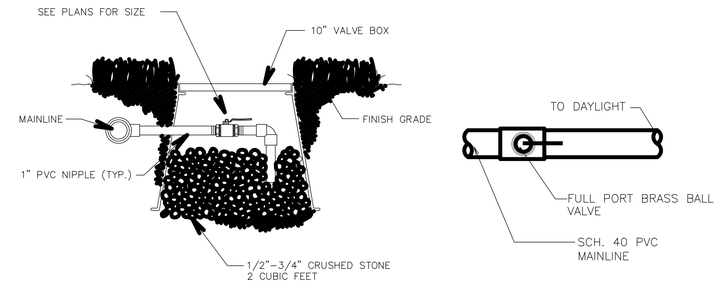
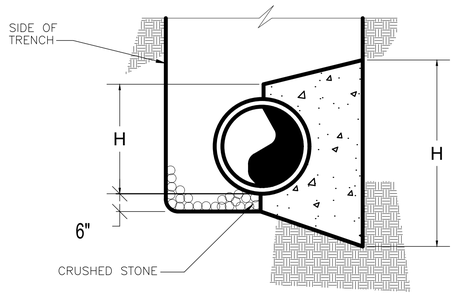


SIDE VIEW

TOP VIEW

3 MANUAL DRAIN VALVE
NOT TO SCALE

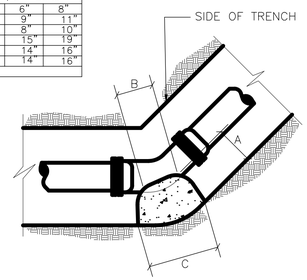


NOTE: THRUST BLOCK TO BE POURED AGAINST UNDISTURBED EARTH.

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"

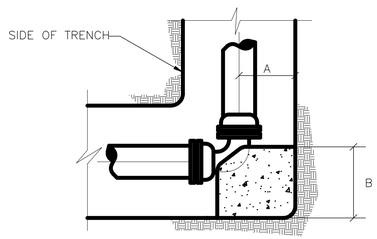
22 1/2° BEND			
	4"	6"	8"
A	9"	9"	11"
B	6"	8"	10"
C	13"	15"	19"
H-1	12"	14"	16"
H-2	12"	14"	16"

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"



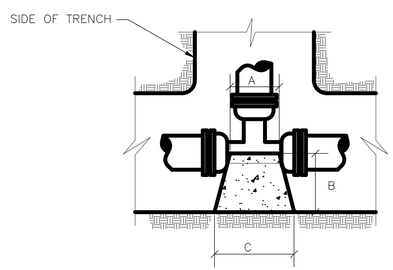
45° BEND-22\° BEND-11¦° BEND

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"



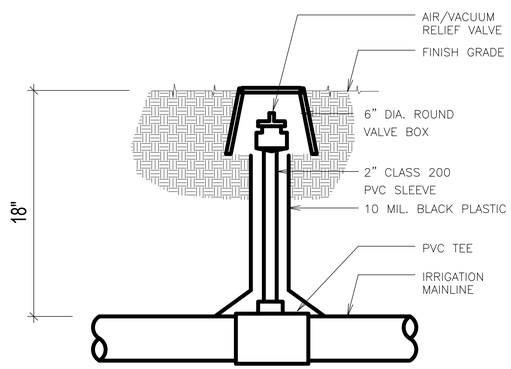
90° BEND

TEE			
SIZE	4"	6"	8"
A	10"	13"	15"
B	9"	9"	11"
C	15"	20"	24"
H-1	12"	14"	20"
H-2	12"	14"	20"



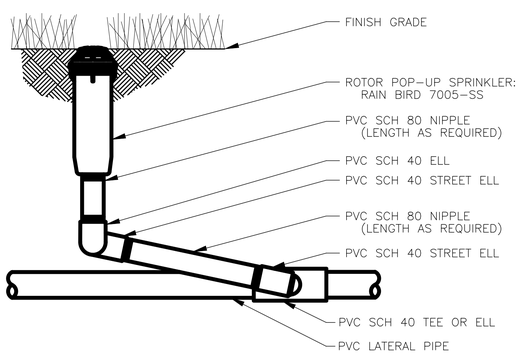
TEE

4 TYPICAL CONC. THRUST BLOCK
NOT TO SCALE

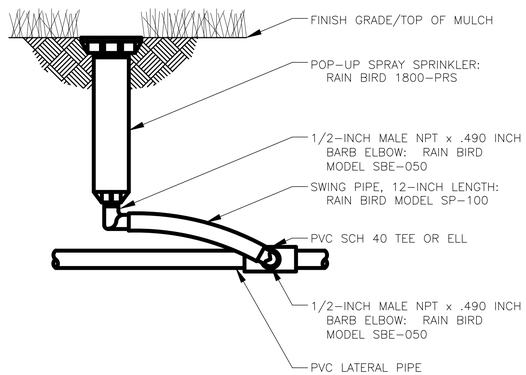


INCLUDE ONE AIR/VACUUM RELIEF VALVE PER 1000 LINEAR FEET OF MAINLINE.
LOCATE NEAR HIGH POINTS OF MAINLINE.

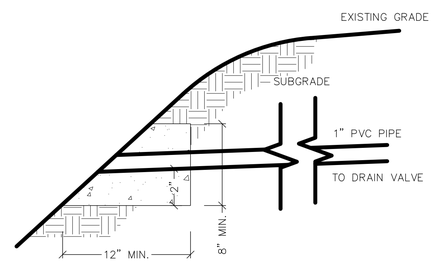
5 AIR/VACUUM RELIEF VALVE
NOT TO SCALE



6 ROTOR POP-UP SPRINKLER
NOT TO SCALE



7 POP-UP SPRAY SPRINKLER
NOT TO SCALE



8 COLLAR DETAIL
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LA001872
11/19
LANDSCAPE ARCHITECT
AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS
CITY OF DUNWOODY
GEORGIA
DUNWOODY

SUBMITTALS / REVISIONS	
NO. DATE	DESCRIPTION

ISSUE FOR PERMIT

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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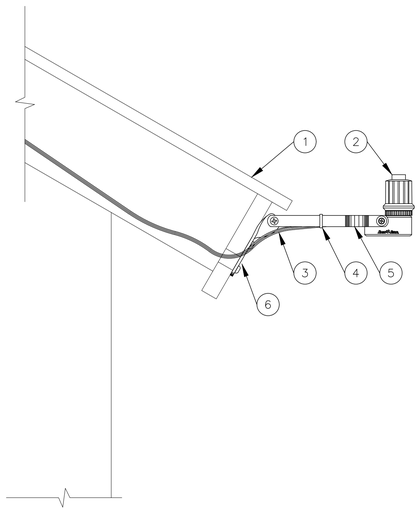
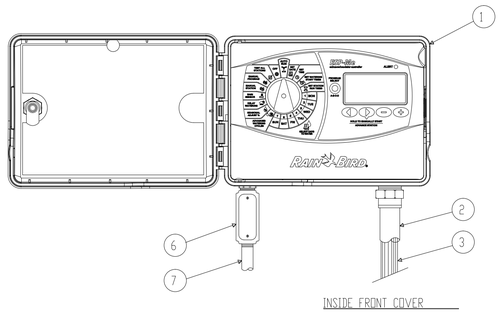
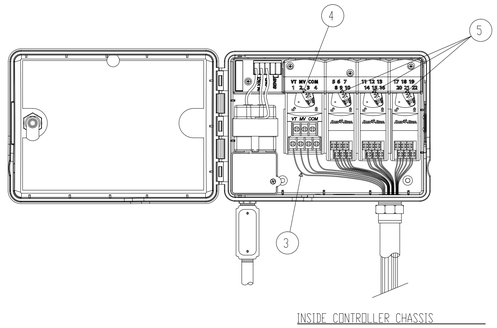


1. EAVE OF BUILDING
2. RAIN SENSOR: RAIN BIRD RSD-BEx
3. WIRE TO IRRIGATION CONTROLLER
4. PLASTIC TIE DOWN STRAP
6. FASCIA PENETRATION

1 RAIN SENSOR INSTALLATION
NOT TO SCALE



INSIDE FRONT COVER

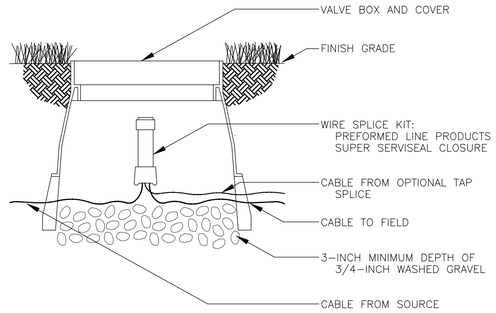


INSIDE CONTROLLER CHASSIS

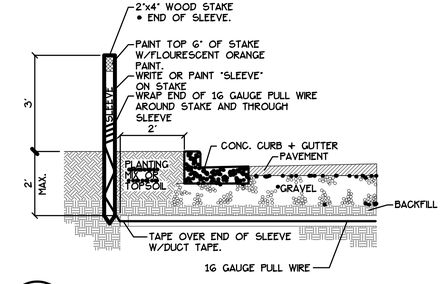
GENERAL NOTES:

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
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AARON J. ST. PIERRE

BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY

SUBMITTALS / REVISIONS

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IRRIGATION DETAILS

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IRRIGATION_SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
2X	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'

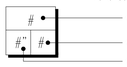
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD PGA-PRS-D ANGLE 1", 1-1/2", 2" ELECTRIC REMOTE CONTROL VALVE, ANGLE. WITH PRESSURE REGULATOR MODULE.	10
HB	HOSE BIBB SET IN LOCKABLE UNDERGROUND BOX.	28
	SHUT OFF VALVE SIZE TO MATCH MAINLINE	17
A	AIR RELIEF VALVE SIZE TO MATCH MAINLINE	2
D	DRAIN VALVE 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

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BROOK RUN PARK IMPROVEMENTS

CITY OF DUNWOODY

DUNWOODY GEORGIA

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PROJECT NO.	DATE
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TF	1"=40'
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MB	

SHEET NO.

L2.05

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