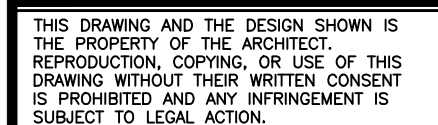
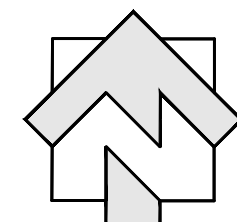


CONSTRUCTION PLANS PREPARED FOR: THE CITY OF DUNWOODY, GEORGIA



SITE/CIVIL SHEET INDEX



CITY OF DUNWOODY PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250, DUNWOODY, GA 30346

24 HR. CONTACT RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL:
BRENT WALKER, CITY OF DUNWOODY PARKS AND RECREATION MANAGER
678-382-6700

-
- FIRM**
FLOOD INSURANCE RATE MAP
- DEKALB COUNTY,
GEORGIA
AND INCORPORATED AREAS
- PANEL 16 OF 201
- (SEE MAP INDEX FOR FIRM PANEL LAYOUT)
- | CONTENTS: | | | |
|-------------------|--------|-------|--------|
| COMMUNITY | NUMBER | PANEL | SUFFIX |
| CHARLES CITY CT | 13089 | 0016 | J |
| DEKALB COUNTY | 13089 | 0016 | J |
| DUNWOODY, CITY OF | 13089 | 0016 | J |
| DUNWOODY, CITY OF | 13089 | 0016 | J |
- Notice to User: The Map Number shown below should be used when plotting maps unless the Community Number shown above should be used on insurance applications for the subject community.
- MAP NUMBER**
13089C0016J
- MAP REVISED**
MAY 16, 2013
- Federal Emergency Management Agency

LANDSCAPE ARCHITECT/CIVIL ENGINEER
LOSE & ASSOCIATES, INC.
LANDSCAPE ARCHITECTS • ARCHITECTS • CIVIL ENGINEERS
220 W. CROGAN ST., SUITE 100
LAWRENCEVILLE, GEORGIA 30046
1314, 5TH AVENUE NORTH, SUITE 200
NASHVILLE, TENNESSEE 37208
PHONE 770-338-0017
CONTACT: JOHN NICOL

STRUCTURAL ENGINEER
EMC STRUCTURAL ENGINEERS, PC
4525 TROUSDALE DRIVE
NASHVILLE, TN 37204
PHONE 615-781-8199
CONTACT: JOHNNY JOHNSON

**DUNWOODY
MULTI-USE TRAIL - PHASE III**
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19TH DISTRICT PIN. 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

[illegible]

ISSUED FOR BID 02/25/2015

SHEET TITLE	COVER SHEET
-------------	-------------

PROJECT NUMBER 12185-2	DATE 11/10/2014
DRAWN BY	SCALE
CHECKED BY	
SHEET NUMBER C0.00	

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.

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 & ASSOCIATES 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. COORDINATE POINTS AT FENCING CORNERS REFER TO THE CENTER POINT OF THE POST - UNLESS OTHERWISE NOTED.
6. COORDINATE POINTS AT PICNIC TABLES REFER TO THE CENTER OF THE MOUNTING POST.
7. REFER TO ARCHITECTURAL SET FOR DIMENSIONING THAT DIRECTLY REFERS TO ANY OF THE BUILDING PADS AND STRUCTURES ON SITE.
8. ALL WORK SHALL BE COMPLETED TO THE LEVEL INDICATED BY THE SCOPE OF WORK LISTED IN THE BID DOCUMENTS.
9. SEE ARCH. SHEETS FOR BUILDING CODE REQUIREMENTS RELATIVE TO SBCC1/BC CODE REQUIREMENTS
10. CONTRACTOR SHALL PROVIDE ADEQUATE LAYOUT INFORMATION TO DEMONSTRATE, TO THE MAXIMUM EXTENT PRACTICAL, THAT NO CONFLICTS BETWEEN VARIOUS TRADES EXIST.
11. DO NOT SCALE DRAWINGS.
12. DRAINAGE STRUCTURES ARE SHOWN TO INDICATE CASTING TYPE AND LOCATION. CONTRACTOR SHALL STAKE PROPOSED PAVING, STRUCTURES, CURBS, ETC. TO ENSURE DRAINAGE STRUCTURES ARE PLACED TO AVOID CONFLICTS. DRAINAGE STRUCTURES ARE NOT DRAWN TO SCALE.

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.

DEVELOPMENT NOTES

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

DEMOLITION NOTES

1. COORDINATE REMOVAL OF ALL SITE AMENITIES WITH THE CONSTRUCTION MANAGER.
2. ALL EQUIPMENT AND MATERIAL REMOVED FROM THE SITE MUST BE INSPECTED BY THE CONSTRUCTION MANAGER PRIOR TO DISPOSAL. THE CITY OF DUNWOODY RESERVES THE RIGHT TO RE-CLAIM ALL EQUIPMENT AND MATERIALS ASSOCIATED WITH DEMOLISHED ITEMS ON THE PROPERTY FOR THEIR STORAGE AND RE-USE.
3. CONTRACTOR TO COORDINATE WITH THE APPROPRIATE AGENCIES REGARDING THE DISPOSAL OF ALL SUBSURFACE MATERIALS – SEPTIC SYSTEMS, GAS, WATER, SEWER, ELECTRIC SERVICE LINES, ETC. REFER TO THE SITE SURVEY FOR LOCATION OF THESE ITEMS.
4. NO OUTSIDE STORAGE PROPOSED. THIS INCLUDES SUPPLIES, EQUIPMENT, VEHICLES, & PRODUCTS, ETC. ALL STORAGE IS BEHIND CHAIN LINK FENCE W/PRIVACY SLATS.

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.

GRADING NOTES

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

CLEARING/GRUBBING

1. DO NOT EXCEED CLEARING AND GRUBBING LIMITS OF CONSTRUCTION LINES INDICATED ON THE PLANS.
2. ALL AREAS OUTSIDE THE LIMITS OF CONSTRUCTION LINE OR TREE SAVELINE 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.

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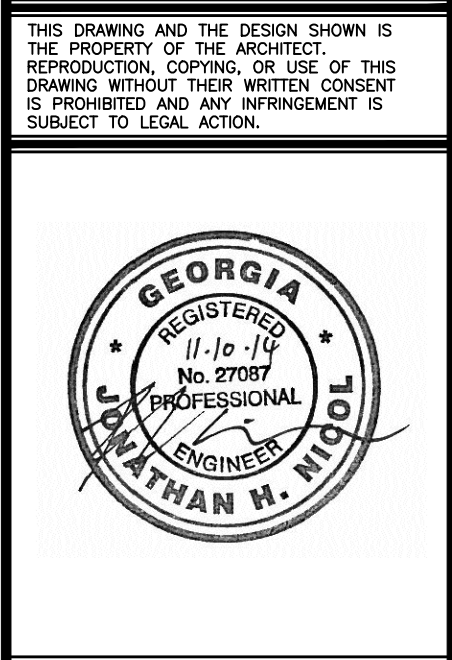
CONSTRUCTION NOTES	
1.	AREAS FOR CONSTRUCTION THAT REQUIRE DE-WATERING FOR EXCAVATION WILL BE DONE AT NO ADDITIONAL COST TO THE CITY.

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

GENERAL NOTES

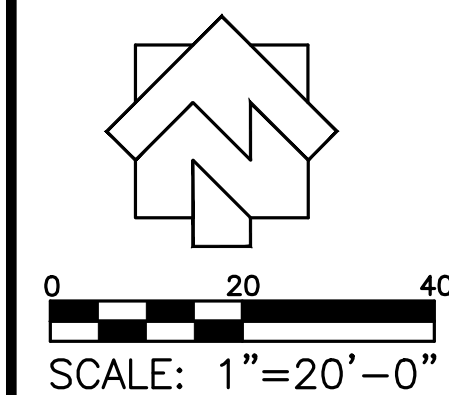
1. THE CONTRACTOR IS TO CHECK AND VERIFY ALL MEASUREMENTS, LEVELS, EXISTING AND PROPOSED ELEVATIONS, ETC. BEFORE ORDERING MATERIALS AND PROCEEDING WITH THE WORK, AND IS TO BE RESPONSIBLE FOR THE SAME. REMEDIAL WORK RESULTING FROM LACK OF VERIFICATION WILL BE AT CONTRACTOR'S SOLE EXPENSE.
2. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE DAMAGE OR LOSS OF ANY REFERENCE POINTS AND HUBS DURING THE CONSTRUCTION OF HIS WORK, AND SHALL BEAR THE COST OF REPLACING SAME.
3. CARE SHALL BE TAKEN TO PROTECT ANY UTILITIES, TREES, ETC. WHICH ARE TO REMAIN AND NOT TO BE DISTURBED BY THE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO SUCH PROPERTY.
4. ALL SURPLUS EXCAVATION SHALL BE DISPOSED OF OFF SITE COMPLYING WITH STATE AND LOCAL REGULATIONS, UNLESS NOTED ON THE PLANS, AT NO ADDITIONAL COST TO THE CITY.
5. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS AND PAY ALL PERMIT FEES. HE SHALL ALSO COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING LAWS, ORDINANCES OR REGULATIONS RELATING TO BUILDING SIDEWALKS, STREETS, WATER MAINS, SEWERS, BLASTING, PUBLIC STRUCTURES, ETC.
6. THE CONTRACTOR ACKNOWLEDGES & AGREES THAT THE WORK IS ENTIRELY AT HIS RISK UNTIL SITE IS ACCEPTED, AND HE WILL BE HELD RESPONSIBLE FOR ITS SAFETY BY THE OWNER.
THE CONTRACTOR WILL INDEMNIFY THE OWNER & ARCHITECT FROM LIABILITY AT THE SITE THROUGHOUT THE CONSTRUCTION PROCESS.
7. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY WORKS FOR THE PROTECTION OF THE WORK AND THE PUBLIC, INCLUDING BARRICADES, WARNING SIGNS AND LIGHTS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO THE PREMISES OR ADJACENT PREMISES, OR INJURIES TO THE PUBLIC DURING THE CONSTRUCTION OF THE WORK, WHETHER CAUSED BY HIMSELF, HIS SUBCONTRACTORS, OR THE CARELESSNESS OF ANY OF HIS EMPLOYEES.
9. THE CONTRACTOR SHALL PROVIDE SUCH BRACING, SHEETING AND SHORING, BLASTING PROTECTION, WARNING LIGHTS AND BARRICADES, ETC. AS MAY BE NECESSARY FOR THE PROTECTION OF LIFE AND PROPERTY FOR HIS OWN EMPLOYEES AND THE GENERAL PUBLIC. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY STATUTES AND RULES REQUIRING CERTAIN PROTECTIVE PERSONAL APPAREL SUCH AS HARD HATS, EAR PLUGS, EYE SHIELDS, PROTECTIVE SHOES, ETC. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY OR LIABILITY FOR ACTIONS TAKEN BY THE CONTRACTOR WHICH ENDANGER LIFE OR PROPERTY.

- 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 AND ASSOCIATES, INC., 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.
17. 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
18. FIRE HYDRANTS AND WATER MAINS ARE TO BE INSTALLED, FLUSHED, AND UNDER PRESSURE BEFORE ANY COMBUSTIBLE CONSTRUCTION IS STARTED
19. DURING CONSTRUCTION AND FOR PERMANENT ACCESS, ROADWAY WIDTH SHALL BE 20 FEET MINIMUM PER INTERNATIONAL FIRE CODE 2000 EDITION SECTION 503.2.1
20. THE CONTRACTOR SHALL PERFORM ALL QUANTITY TAKEOFFS REQUIRED FOR BIDDING AND CONSTRUCTION OF THIS PROJECT. LOSE & ASSOCIATES, INC. ACCEPTS NO RESPONSIBILITY NOR LIABILITY FOR QUANTITY TAKEOFFS PERFORMED FOR THIS PROJECT.
21. HDPE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-294 AND AASHTO M7, TYPE S & D. CONNECTIONS SHALL USE A RUBBER GASKET, WHICH CONFORMS TO ASTM F-477. INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM RECOMMENDED PRACTICE D-2321, AASHTO SECTION 30, OR WITH SECTION 550 OF THE GEORGIA DOT STANDARD SPECIFICATIONS, CONSTRUCTION OF ROADS AND BRIDGES.
22. 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.
23. ALL PLAN VIEW SHEETS ARE ORIENTED TO THE GEORGIA STATE PLANE COORDINATE SYSTEM. ALL NORTH ARROWS ARE SET ON THE GEORGIA GRID, AND ARE NOT MAGNETIC NORTH ARROWS.

[illegible]

C0.02

C0.03



SEE C2.80 SERIES SHEETS FOR LIMITS OF DISTURBANCE AND EROSION CONTROL MEASURES

SEE L1.00 SERIES SHEETS FOR EXISTING TREE INFORMATION AND TREE PROTECTION PLAN

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

- EXISTING CONDITIONS/DEMOLITION GENERAL NOTES:
1. EXISTING SITE RIP RAP TO BE REMOVED
 2. EXISTING FENCING. CONTRACTOR TO REVIEW LOCATION IN THE FIELD AND COORDINATE WITH CLEARING LIMITS.
 3. REMOVE EXISTING DRAINAGE INLET AND ABANDON EXISTING 18" RCP STORM DRAIN IN PLACE.

- EXISTING TREE NOTES:
1. PRIOR TO LAND DISTURBING ACTIVITIES, CONTRACTOR SHALL STAKE TREE FENCE LOCATIONS AT 50' MIN AND REVIEW PROPOSED TRAIL ROUTE IN THE FIELD WITH ARCHITECT AND OWNER'S REPRESENTATIVE.
 2. TREES WITHIN THE LIMITS OF DISTURBANCE NOT IDENTIFIED IN THE TREE SURVEY SHALL BE DOCUMENTED AND THE TREE REMOVAL APPLICATION SHALL BE REVISED.
 3. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION ON SPECIMEN TREES AND TREE REMOVAL.
 4. SEE C2.80 SERIES SHEETS FOR LIMITS OF DISTURBANCE/TREE SAVE LOCATIONS.

DEMOLITION LEGEND

 TREE REMOVAL

HATCH LEGEND

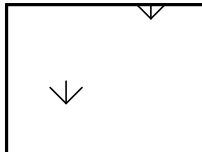
FEMA FLOOD WAY



FEMA 100 YEAR FLOOD PLAIN



SITE WETLAND BOUNDARY
PER SAS-2014-00460



TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

MATCHLINE C0.03

MATCHLINE C0.04

EX. SANITARY SEWER
TOP: 947.09
INV OUT: 938.46

EX. LIGHT FIXTURE

EX. CURB

END NOT FOUND

EX. SITE PAVEMENT

EX. BUILDING

EX. SANITARY SEWER

EX. SANITARY SEWER
TOP: 940.70
INV IN: 934.50
INV OUT: 934.41

DUNWOODY 75' UNDISTURBED BUFFER

STATE OF GA 25' STREAM BUFFER

NANCY CREEK TRIBUTARY A

STATE OF GA 25' STREAM BUFFER

DUNWOODY 75' UNDISTURBED BUFFER

PROPERTY LINE
LOCATION OBTAINED FROM CITY
OF DUNWOODY GIS DEPARTMENT
TYP.

EX. STORM SEWER

N/F
DEKALB - LAKE RIDGE LLC
DB 17650 PG 759
ZONED: RM100

EX. DETENTION POND

EX. RIP RAP

EX. SANITARY SEWER
TOP: 938.08
INV IN(W): 932.43
INV IN(N): 932.39
INV OUT: 932.26

EX. SANITARY SEWER
END NOT FOUND

BASE FLOOD ELEV. 938

PROPERTY LINE
LOCATION OBTAINED FROM CITY
OF DUNWOODY GIS DEPARTMENT
TYP.

EX. SANITARY SEWER

EX. SANITARY SEWER

EX. SANITARY SEWER
TOP: 955.02
INV OUT: 949.20

25" POPLAR 12" SGUM

14" OAK 16" SGUM

14" SGUM

N/F
URBAN REDEVELOPMENT AGENCY
DB 23195 PG: 609
PARCEL # 18 344 01 010

EX. SITE FENCE

14" POPLAR 17" POP
14" POPLAR 18" POP

BASE FLOOD ELEV. 937.5
(BY TERRAMARK)

ZONE AE



LOSE & ASSOCIATES, INC.
1314 5th Avenue North, Suite 200
Nashville, TN 37208
(615) 242-0040

220 W. Crogan St. Suite 100
Lawrenceville, GA 30046
(770) 938-0017

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LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS			
NO.	DATE	INITIAL BY	REQUESTED BY
1	01/09/15	JN	ADDRESS COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE

**EXISTING CONDITIONS
AND
DEMOLITION PLAN**

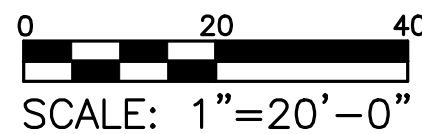
PROJECT NUMBER/DATE
12185-2 11/10/2014

DRAWN BY
STAFF

CHECKED BY
WA

SHEET NUMBER

C0.04



TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY

SEE C2.80 SERIES SHEETS FOR LIMITS OF
DISTURBANCE AND EROSION CONTROL
MEASURES

SEE L1.00 SERIES SHEETS FOR EXISTING
TREE INFORMATION AND TREE PROTECTION
PLAN

EXISTING CONDITIONS/DEMOLITION GENERAL NOTES:

1. EXISTING SITE RIP RAP TO BE REMOVED.
2. EXISTING FENCING. CONTRACTOR TO REVIEW LOCATION IN THE FIELD AND COORDINATE WITH CLEARING LIMITS.
3. REMOVE EXISTING DRAINAGE INLET AND ABANDON EXISTING 18" RCP STORM DRAIN IN PLACE.

EXISTING TREE NOTES:

1. PRIOR TO LAND DISTURBING ACTIVITIES, CONTRACTOR SHALL STAKE TREE FENCE LOCATIONS AT 50' MIN AND REVIEW PROPOSED TRAIL ROUTE IN THE FIELD WITH ARCHITECT AND OWNER'S REPRESENTATIVE.
2. TREES WITHIN THE LIMITS OF DISTURBANCE NOT IDENTIFIED IN THE TREE SURVEY SHALL BE DOCUMENTED AND THE TREE REMOVAL APPLICATION SHALL BE REVISED.
3. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION ON SPECIMEN TREES AND TREE REMOVAL.
4. SEE C2.80 SERIES SHEETS FOR LIMITS OF DISTURBANCE/TREE SAVE LOCATIONS.

DEMOLITION LEGEND



TREE REMOVAL

HATCH LEGEND

FEMA FLOOD WAY



FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY

N/F
DEKALB - LAKE RIDGE LLC
DB 17650 PG 759
ZONED: RM100

PROPERTY LINE
LOCATION OBTAINED FROM CITY
OF DUNWOODY GIS DEPARTMENT
TYP.

CI (20311) —
TOP: 976.73
OUT: 973.66

EX. SANITARY SEWER SM(20201)
TOP: 978.19
OUT: 975.29+/-
LIFT STATION

EX. SANITARY SEWER

PROPERTY LINE
LOCATION OBTAINED FROM CITY
OF DUNWOODY GIS DEPARTMENT
TYP.

CITY OF DUNWOODY
DB. 24088 PG. 84
PARCEL # 18 344 01 003

N/F
URBAN REDEVELOPMENT AGENCY
DB. 23195 PG. 609
PARCEL # 18 344 01 010

EX. SANITARY SEWER MH (20179)
TOP: 981.05
BOTTOM: 965.88
(NO PIPES VISIBLE)

DBE & ASSOCIATES, INC.

1314 5th Avenue North, Suite 200
Nashville, TN 37208
(615) 242-0040

20 W. Crogan St. Suite 100
Lawrenceville, GA 30046
(770) 338-0017

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**DUNWOODY
MULTI-USE TRAIL - PHASE III**
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

VISIONS

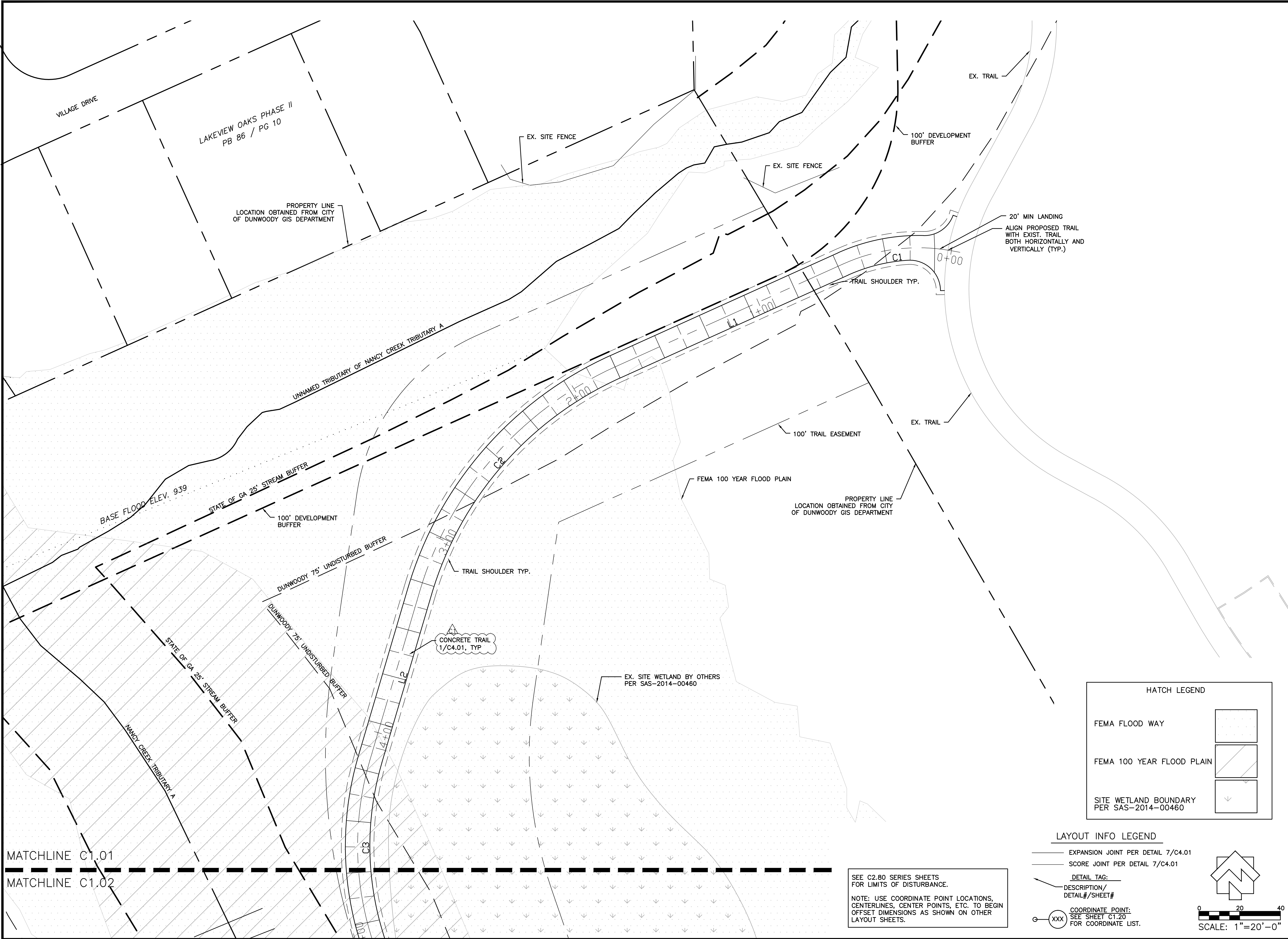
[illegible]**ISSUED FOR BID 02/25/2015**

SHEET TITLE

EXISTING CONDITIONS AND DEMOLITION PLAN

PROJECT NUMBER	DATE
2185-2	11/10/2014
DRAWN BY	SCALE
HAFF	1"= 20'-0"
CHECKED BY	
SHEET NUMBER	

C0.05



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REVISIONS			
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SHEET TITLE
LAYOUT PLAN

PROJECT NUMBER
12185-2

DATE
11/10/2014

DRAWN BY
BGM

SCALE
1"= 20'-0"

CHECKED BY
WA

SHEET NUMBER
C1.01

HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

LAYOUT INFO LEGEND

EXPANSION JOINT PER DETAIL 7/C4.01

SCORE JOINT PER DETAIL 7/C4.01

DETAIL TAG:
DESCRIPTION/
DETAIL#/SHEET#

COORDINATE POINT:
SEE SHEET C1.20
FOR COORDINATE LIST.

SCALE: 1"=20'-0"

SEE C2.80 SERIES SHEETS
FOR LIMITS OF DISTURBANCE.

NOTE: USE COORDINATE POINT LOCATIONS,
CENTERLINES, CENTER POINTS, ETC. TO BEGIN
OFFSET DIMENSIONS AS SHOWN ON OTHER
LAYOUT SHEETS.

MATCHLINE C1.01

MATCHLINE C1.02

MATCHLINE C1.02

MATCHLINE C1.03

EXISTING SITE BRIDGE

STATE OF GA 25' STREAM BUFFER

TRAIL SHOULDER TYP.

STATE OF GA 25' STREAM BUFFER

DUNWOODY 75' UNDISTURBED BUFFER

EX. SITE WETLAND BY OTHERS
PER SAS-2014-00460

OWNER
UHS OF PEACHFORD, LP
TAX PARCEL 18 353 02 032A

CONCRETE TRAIL
PER 1/C4.01, TYP

BOLLARD PER
11/C4.01, TYP.

100' TRAIL EASEMENT

BOARDWALK #1,
SEE STRUCTURAL PLAN SHEET S1.02
AND DETAIL SHEET S2.03

BOLLARD PER
11/C4.01, TYP.

BRIDGE ABUTMENT, SEE 1/C4.02

APPROXIMATE PROPERTY LINE
LOCATION OBTAINED FROM CITY
OF DUNWOODY GIS DEPARTMENT

EX. SITE CURB

BRIDGE ABUTMENT, SEE 1/C4.02

CONCRETE TRAIL
PER 1/C4.01, TYP

TRAIL SHOULDER TYP.

BRIDGE CROSSING,
SEE DETAIL 1/C4.02 AND SHEETS C-06
AND C-07 FOR ADDITIONAL INFORMATION

LAYOUT INFO LEGEND

- EXPANSION JOINT PER DETAIL 7/C4.01
SCORE JOINT PER DETAIL 7/C4.01

DETAIL TAG:

DESCRIPTION/
DETAIL#/SHEET#

COORDINATE POINT:
SEE SHEET C1.20
FOR COORDINATE LIST.

SEE C2.80 SERIES SHEETS
FOR LIMITS OF DISTURBANCE.
NOTE: USE COORDINATE POINT LOCATIONS,
CENTERLINES, CENTER POINTS, ETC. TO BEGIN
OFFSET DIMENSIONS AS SHOWN ON OTHER
LAYOUT SHEETS.

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

HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460



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SHEET TITLE

LAYOUT PLAN

PROJECT NUMBER/DATE

12185-2 11/10/2014

DRAWN BY SCALE

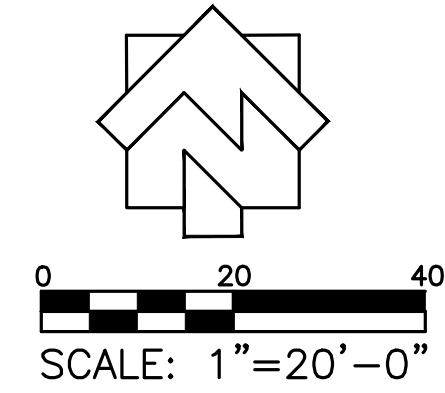
BGM 1"= 20'-0"

CHECKED BY

WA

SHEET NUMBER

C1.02



- LAYOUT INFO LEGEND
- EXPANSION JOINT PER DETAIL 7/C4.01
 - SCORE JOINT PER DETAIL 7/C4.01
 - DETAIL TAG:
 - DESCRIPTION/
DETAIL#/SHEET#
 - COORDINATE POINT:
 - SEE SHEET C1.20
 - FOR COORDINATE LIST.

SEE C2.80 SERIES SHEETS
FOR LIMITS OF DISTURBANCE.

NOTE: USE COORDINATE POINT LOCATIONS,
CENTERLINES, CENTER POINTS, ETC. TO BEGIN
OFFSET DIMENSIONS AS SHOWN ON OTHER
LAYOUT SHEETS.

HATCH LEGEND

FEMA FLOOD WAY	
FEMA 100 YEAR FLOOD PLAIN	
SITE WETLAND BOUNDARY PER SAS-2014-00460	

MATCHLINE C1.02

MATCHLINE C1.03

EX. SITE CURB

CONCRETE TRAIL
PER 1/C4.01, TYP.

EX. SITE PAVEMENT

EX. SITE LIGHTING, TYP.

BOLLARD PER
11/C4.01, TYP.

APPROXIMATE PROPERTY LINE
LOCATION OBTAINED FROM CITY
OF DUNWOODY GIS DEPARTMENT

N/F
CITY OF DUNWOODY

EX. DETENTION POND

N/F
DEKALB - LAKE RIDGE LLC
DB 17650 PG 759
ZONED: RM100

EX. SPILLWAY

BOARDWALK #2,
SEE STRUCTURAL PLAN SHEET S1.02
AND DETAIL SHEET S2.03

BASE FLOOD ELEV. 938

BOLLARD PER
11/C4.01, TYP.

CONCRETE TRAIL
PER 1/C4.01, TYP.

CURB PER 4/C4.01

N/F
URBAN REDEVELOPMENT AGENCY
DB 23195 PG. 609
PARCEL # 18 344 01 010

TRAIL SHOULDER TYP.

EX. SITE FENCE



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THE CITY OF DUNWOODY, GEORGIA

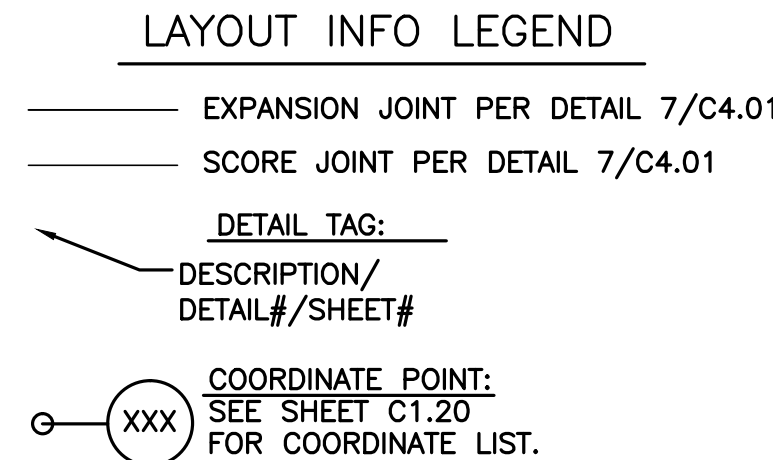
REVISIONS			
NO.	DATE	INITIAL BY	REQUESTED BY
1	01/09/15	JN	ADDRESS COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE
LAYOUT PLAN

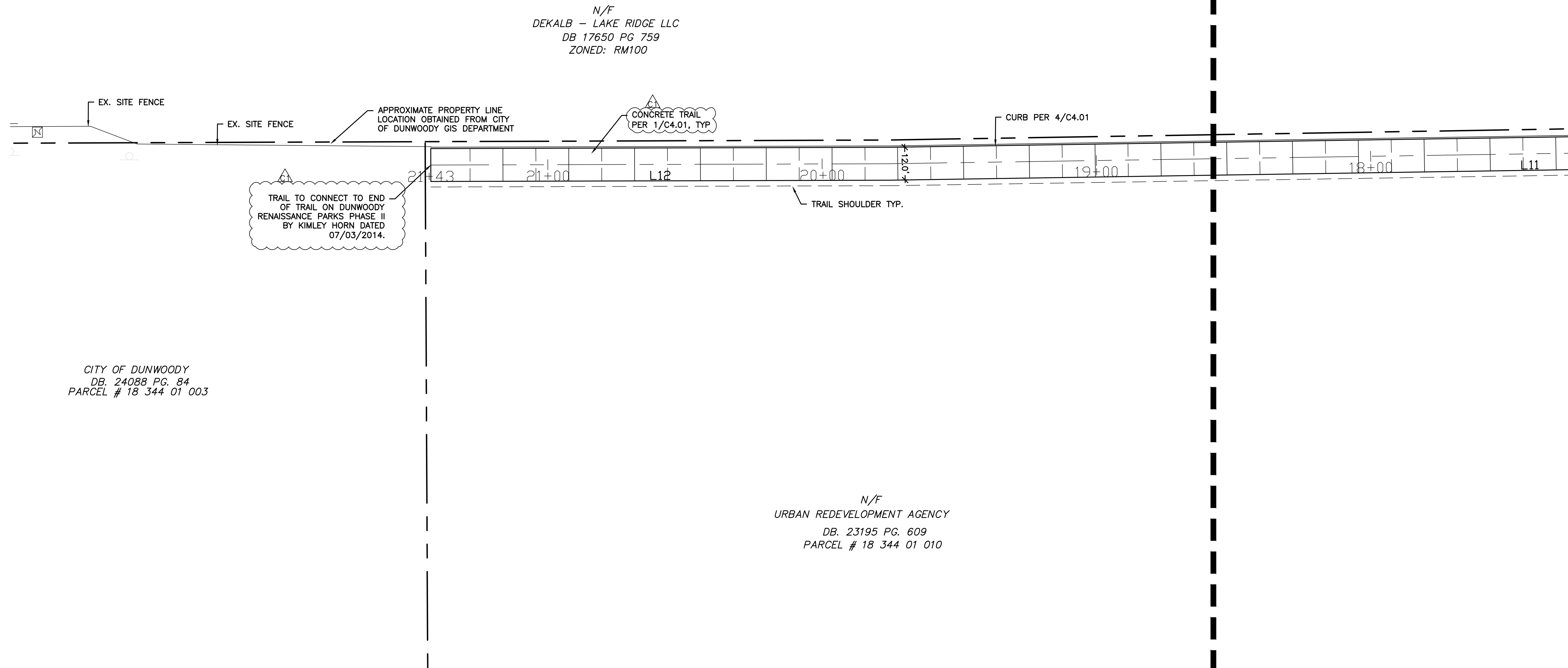
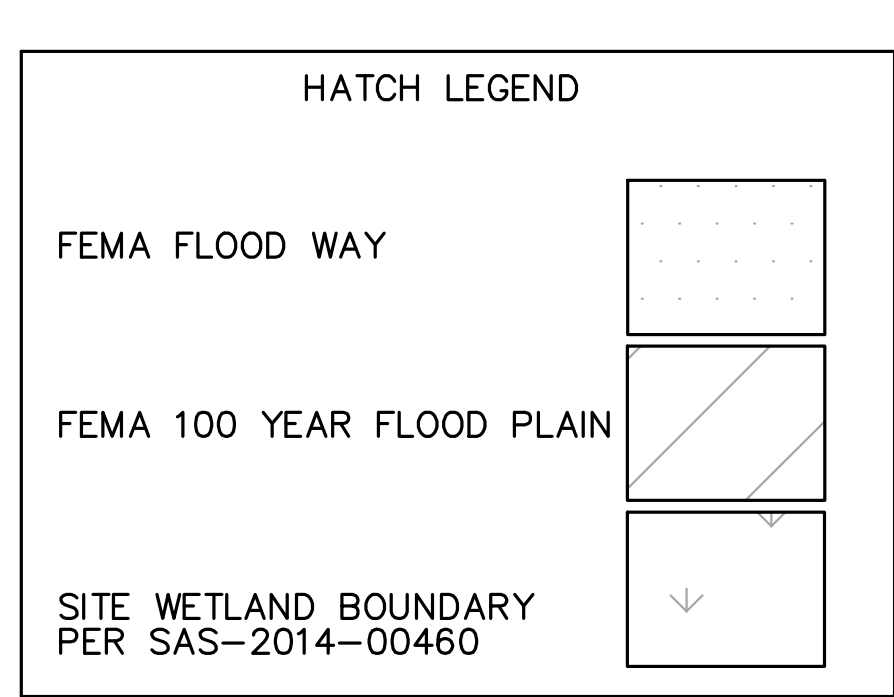
PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY SCALE
BGM 1"= 20'-0"
CHECKED BY
WA
SHEET NUMBER

C1.03



SEE C2.80 SERIES SHEETS
FOR LIMITS OF DISTURBANCE.

NOTE: USE COORDINATE POINT LOCATIONS,
CENTERLINES, CENTER POINTS, ETC. TO BEGIN
OFFSET DIMENSIONS AS SHOWN ON OTHER
LAYOUT SHEETS.



CITY OF DUNWOODY
DB. 24088 PG. 84
PARCEL # 18 344 01 003

N/F
URBAN REDEVELOPMENT AGENCY
DB. 23195 PG. 609
PARCEL # 18 344 01 010



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THE CITY OF DUNWOODY, GEORGIA

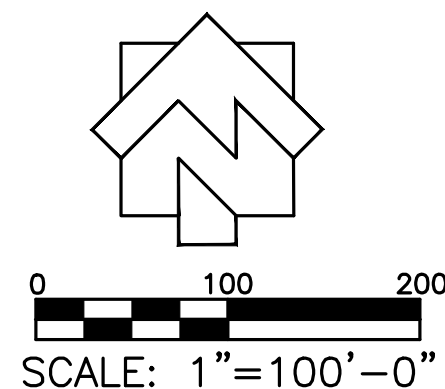
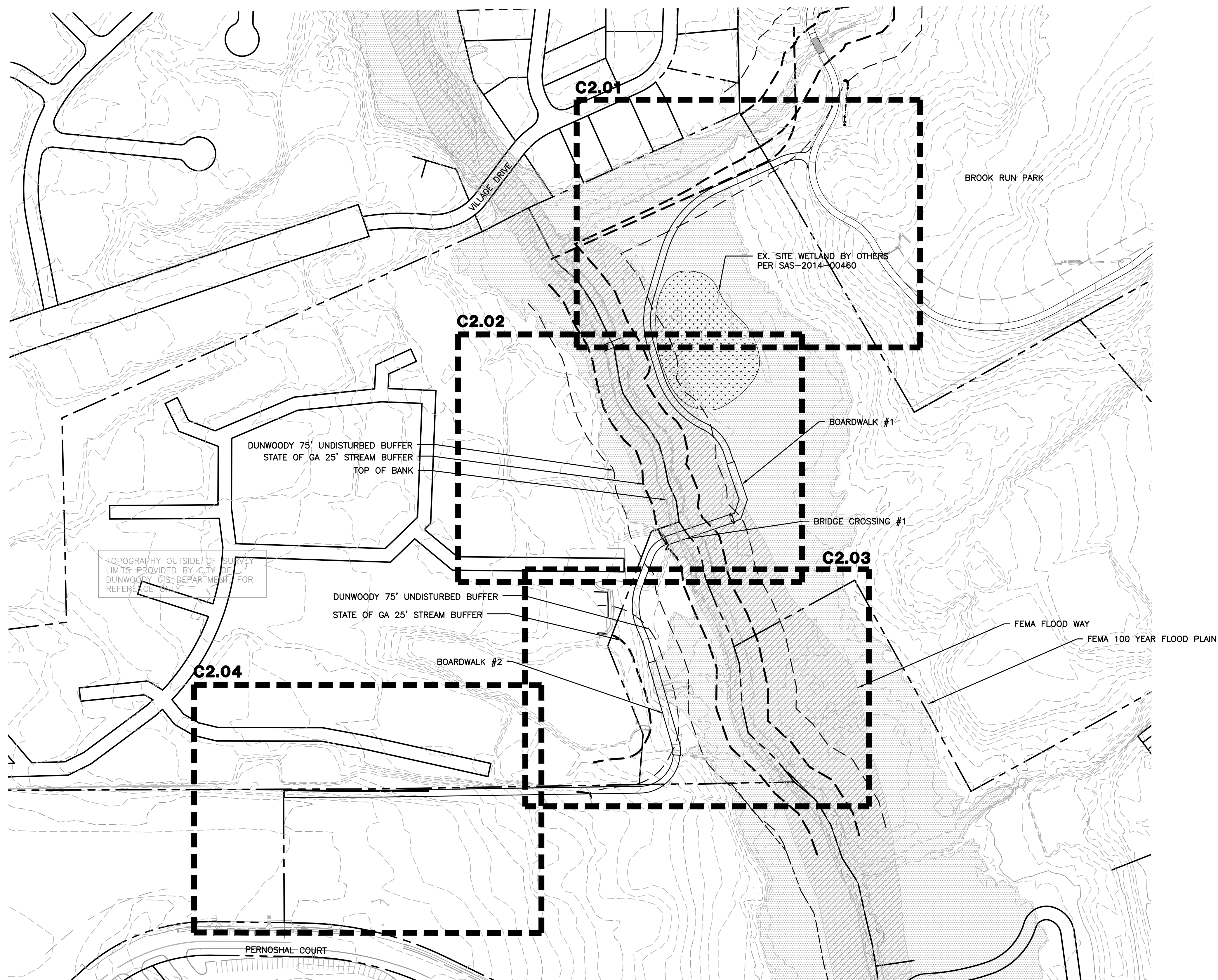
[illegible]**ISSUED FOR BID 02/25/2015**

LAYOUT PLAN

PROJECT NUMBER	DATE
2185-2	11/10/2014
DRAWN BY	SCALE
GM	1"= 20'-0"
CHECKED BY	
A	
SHEET NUMBER	




C1.04

SHEET NUMBER
C1.20



SEE SHEET C0.01 FOR GENERAL GRADING NOTES.
SEE SHEET C0.02 FOR EXISTING CONDITIONS
SEE C1.00 SERIES SHEETS FOR LAYOUT PLANS.
SEE C2.80 SERIES SHEETS FOR LIMITS OF
DISTURBANCE

LEGEND

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

GRADING REQUIREMENTS

1. TOPSOIL SHALL BE STORED ON SITE IN LOCATIONS APPROVED BY THE OWNER'S REPRESENTATIVE. DRAINAGE SHALL ROUTE AROUND THESE TOPSOIL STOCKPILES FOR THE DURATION OF THE GRADING OPERATIONS. EROSION CONTROL MEASURES SHALL PREVENT LOSS OF TOPSOIL MATERIAL.
2. UNSUITABLE SOILS SHALL BE UNIFORMLY SPREAD ACROSS NON-STRUCTURAL FILL AREAS AND COVERED WITH TOPSOIL, AND SEEDED.
3. FILL AREAS SHALL BE PROOF-ROLLED WITH RUBBER-TIRED EQUIPMENT WITH A MINIMUM WEIGHT OF FIFTEEN TONS PRIOR TO BEGINNING FILL OPERATION. AREAS WHICH ARE SOFT OR UNSTABLE SHALL BE UNDERCUT UNTIL STABLE SOILS ARE FOUND. RECOMPACTION OF THESE SOILS, TO THE DENSITY SPECIFIED IN THE PROJECT SPECIFICATIONS, WILL BE ALLOWED UNDER THE DIRECTION OF A QUALIFIED SOILS ENGINEER.
4. CUT AREA SHALL BE PROOF-ROLLED AFTER FINAL SUB GRADE IS ACHIEVED IN THE SAME MANNER AS 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 OWNER.
5. THE FOLLOWING SOIL COMPACTION RATES WILL BE REQUIRED:
 - A. 95 PERCENT MAXIMUM DRY DENSITY FOR OPEN AREAS AND GENERALLY EXPOSED SURFACES.
 - B. 98 PERCENT MAXIMUM DRY DENSITY UNDER ROADS, PARKING TRAILS, SIDEWALKS, BLDG. SLABS, & 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 SEEDED TO PROVIDE PROPER DRAINAGE AND PREVENT STANDING WATER.
9. GRADING SHOWN IS TO FINISH 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:

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

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.

FLOOD INSURANCE RATE MAP, COMMUNITY MAP NUMBER 13089C0016J, DATED MAY 16, 2013, SHOWS ZONE AE.

CITY OF DUNWOODY NOTES

1. CONTACT THE CITY OF DUNDWOODY 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 STORMWATERS, 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.



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18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS

[illegible]

ISSUED FOR BID 02/25/2019

GRADING PLAN SHEETS KEY

PROJECT NUMBER 12185-2	DATE 11/10/2014
DRAWN BY STAFF	SCALE 1"= 100'-0"
CHECKED BY JN	
SHEET NUMBER	

C2.00



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VISIONS

[illegible]

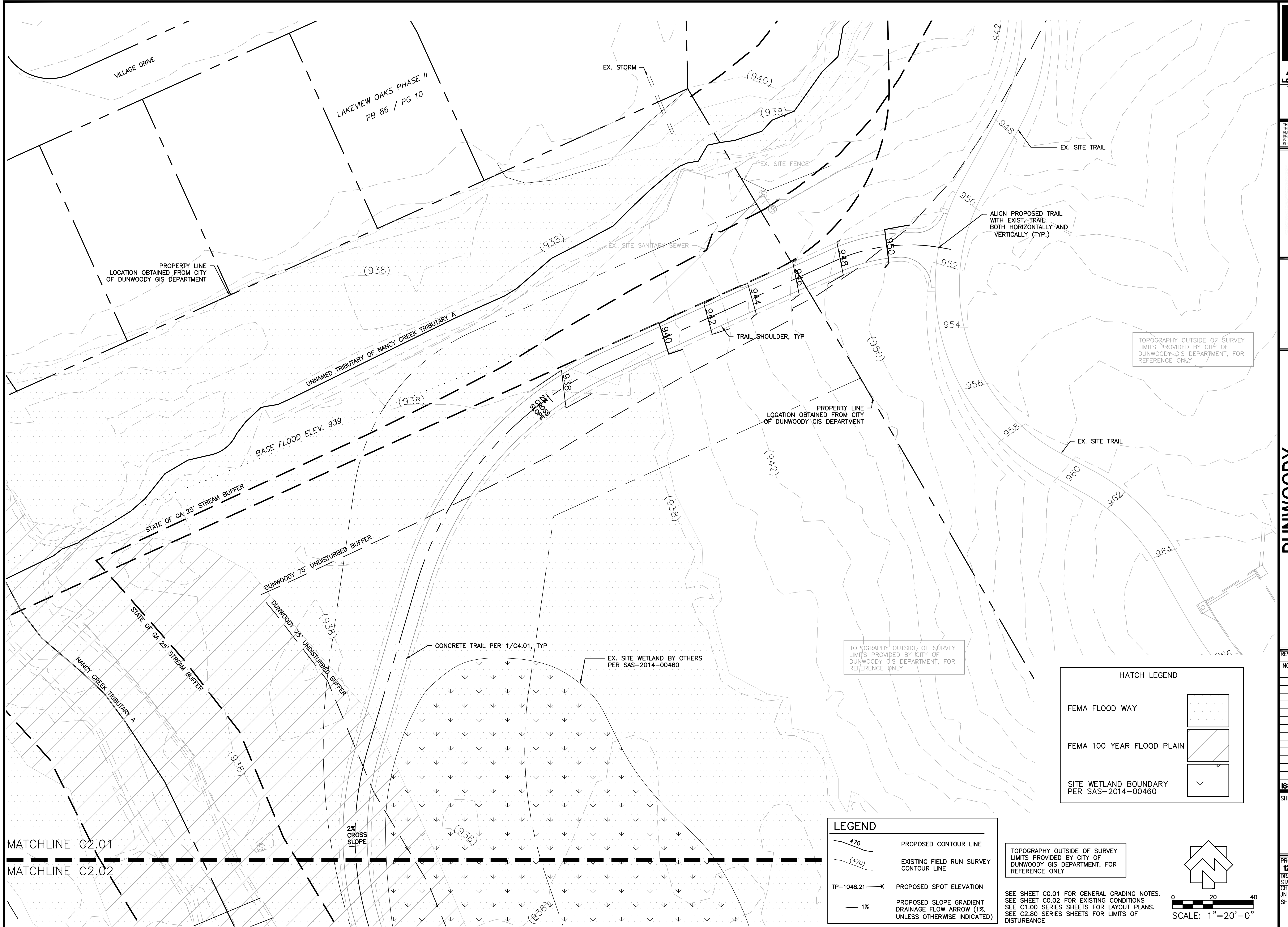
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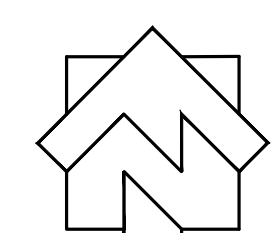
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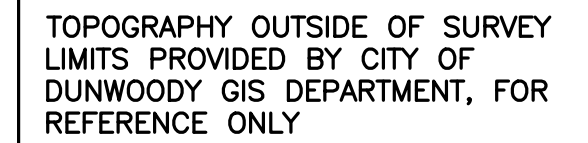
TRADING PLAN

PROJECT NUMBER	DATE
2185-2	11/10/2014
DRAWN BY	SCALE
OFF	1"= 20'-0"
CHECKED BY	
SHEET NUMBER	

C2.01





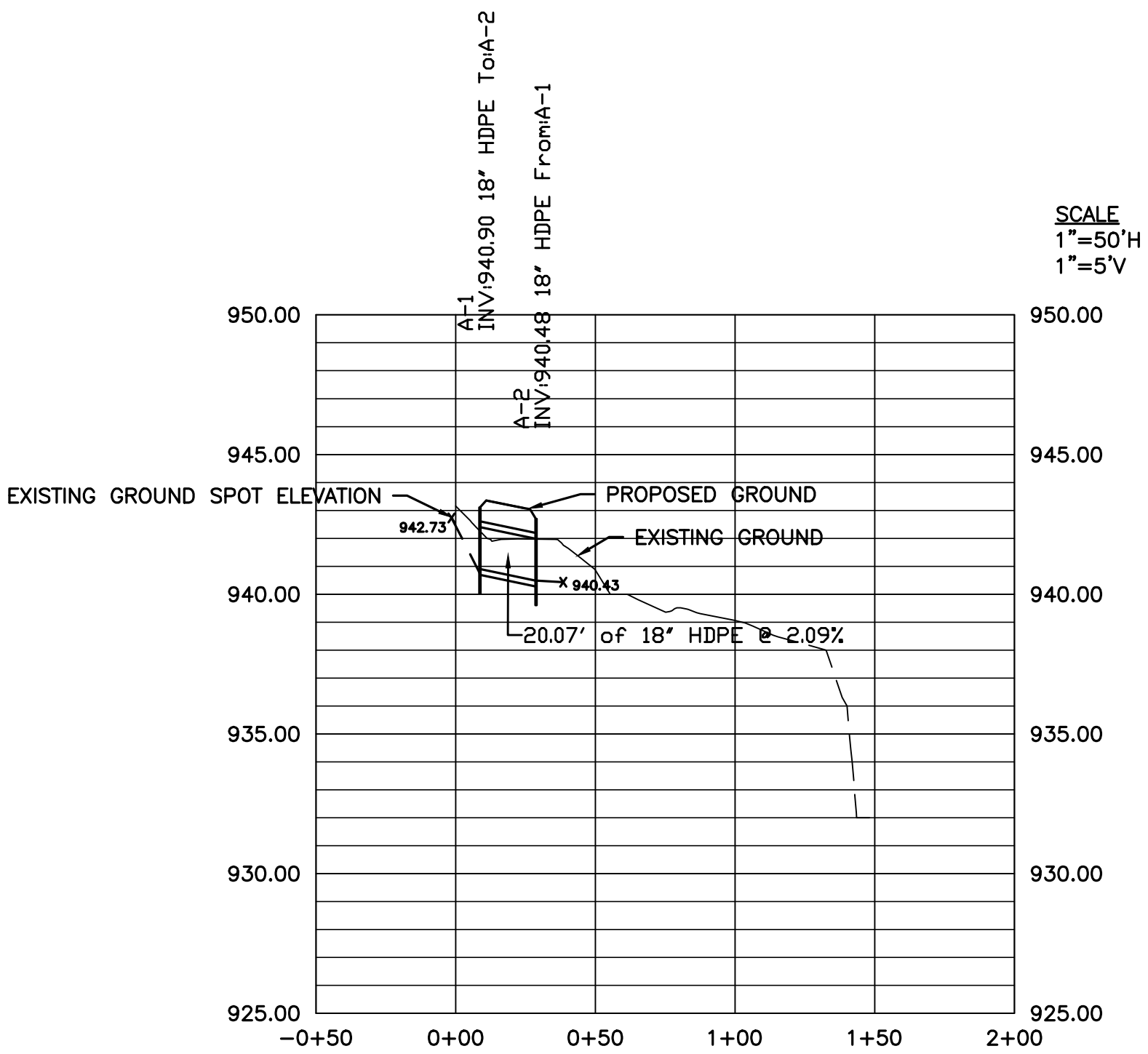


STORM SEWER PIPE CHART

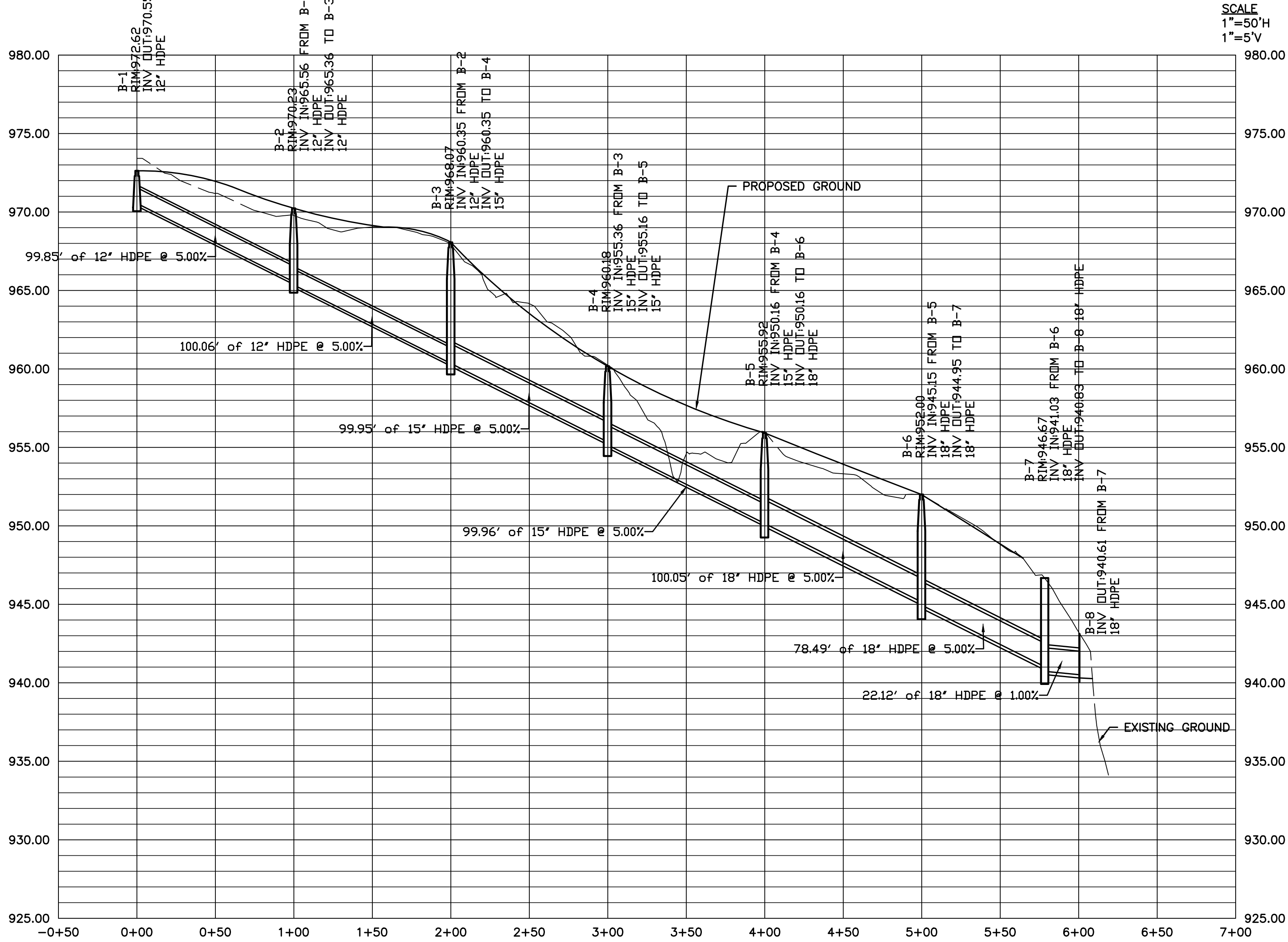
Brook Run Park Multi-Use Trail														
Project:		Brook Run Park		Rainfall Data:		GSWMM								
Project #:		12185-2		Design Storm:		100-YEAR								
FROM	TO	INVERT ELEV.		LENGTH	SLOPE	DIAMETER	DRAINAGE AREA	RUNOFF COEFF.	PIPE CAPACITY	DESIGN DISCHARGE	VELOCITY	TYPE PIPE	STRUCTURE TYPE	NOTES
		UPPER	LOWER	(FT.)	(%)	(INCHES)	(ACRES)		(CFS)	(CFS)	(FT/S)			
A-1													HEADWALL	PER 3/C2.94
A-1	A-2	940.90	940.48	20.1	2.09%	18	2.67	0.79	16.46	2.67	5.4	HDPE		
A-2													HEADWALL	PER 3/C2.94
B-1													CURB INLET	PER 5/C2.94
B-1	B-2	970.55	965.56	99.9	5.00%	12	0.33	0.56	8.62	1.49	3.0	HDPE		
B-2													CURB INLET	PER 5/C2.94
B-2	B-3	965.36	960.35	100.1	5.00%	12	0.8	0.56	8.63	7.81	10.0	HDPE		
B-3													CURB INLET	PER 5/C2.94
B-3	B-4	960.35	955.36	100.0	5.00%	15	0.9	0.56	15.63	8.99	8.0	HDPE		
B-4													CURB INLET	PER 5/C2.94
B-4	B-5	955.16	950.16	100.0	5.00%	15	1.3	0.53	15.65	12.87	10.6	HDPE		
B-5													CURB INLET	PER 5/C2.94
B-5	B-6	949.96	944.95	100.1	5.00%	18	1.52	0.63	24.46	15.15	9.2	HDPE		
B-6													CURB INLET	PER 5/C2.94
B-6	B-7	944.95	941.03	78.5	5.00%	18	1.75	0.53	25.42	17.52	10.5	HDPE		
B-7													JUNCTION BOX	PER 4/C2.94
B-7	B-8	940.83	940.61	40.7	1.00%	18	1.98	0.54	24.41	19.89	9.7	HDPE		
B-8													HEADWALL	PER 3/C2.94

STORM SEWER PROFILES

PROFILE VIEW OF STORM SEWER LINE A



PROFILE VIEW OF STORM SEWER LINE B



LOSE & ASSOCIATES, INC.
1314 5th Avenue North, Suite 200
Nashville, TN 37208
(615) 242-0040
220 W. Crogan St. Suite 100
Lawrenceville, GA 30046
(770) 938-0017

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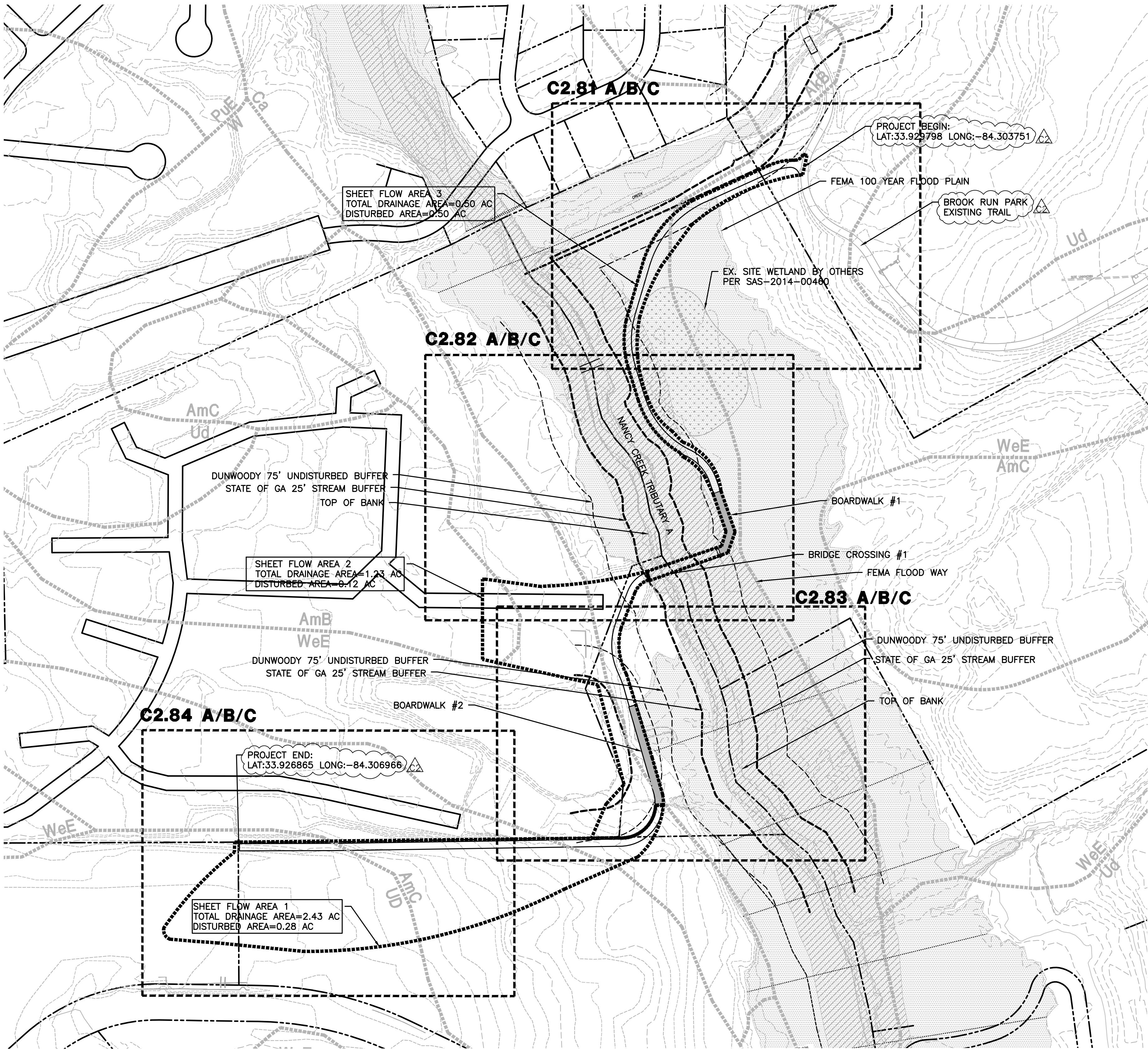
DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS			
NO.	DATE	INITIAL BY	REQUESTED BY
1	01/09/15	JN	ADDRESS COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE
**STORM DRAINAGE
PIPE CHART AND
PROFILES**

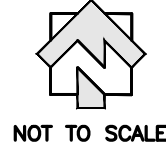
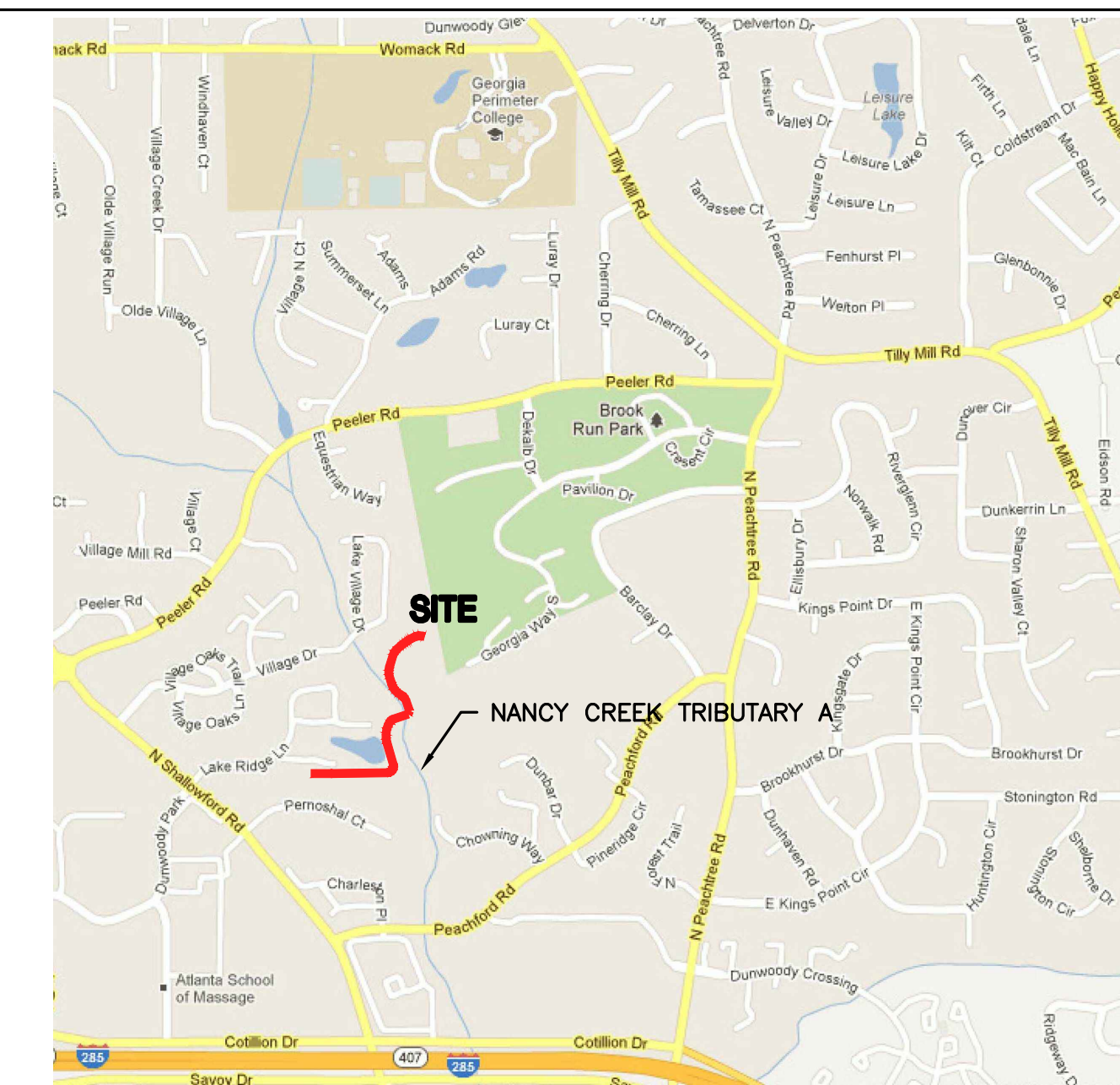
PROJECT NUMBER 12185-2	DATE 11/10/2014
DRAWN BY STAFF	SCALE 1"= 50' H 1"= 5' V
CHECKED BY JN	SHEET NUMBER C2.50



TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

24 HOUR EMERGENCY CONTACT:
BRENT WALKER - 678-382-6857
PRIMARY PERMITTEE AND OWNER:
CITY OF DUNWOODY
PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346

TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC



VICINITY MAP

STREAM BUFFERS ARE IMPACTED BY THIS PROJECT. THE CONTRACTOR IS NOT AUTHORIZED TO ENTER INTO STREAM BUFFERS, EXCEPT AS DESCRIBED IN THE TABLE BELOW:

STREAM BUFFER ENCROACHMENT TABLE				
NAME OF STREAM	IMPACT LOCATION NUMBER**	STREAM TYPE*	BUFFER IMPACTED? (Y/N)	BUFFER VARIANCE REQUIRED? (Y/N)
UNNAMED TRIBUTARY OF NANCY CREEK TRIBUTARY A	1	WARM	Y	N
THE ALLOWABLE ACTIVITIES WITHIN THE BUFFER ARE FOR A TRAIL BRIDGE CROSSING. SEE INDIVIDUAL ES&PCP SHEETS FOR WORK AREAS.				

*WARM WATER STREAMS HAVE A 25-FOOT MINIMUM BUFFER AS MEASURED FROM THE WRESTED VEGETATION. COLD WATER STREAMS HAVE A 50-FOOT BUFFER AS MEASURED FROM THE WRESTED VEGETATION.

** LOCATIONS ARE APPROXIMATE, A DETAILED LOCATION OF STREAM BUFFERS AND AUTHORIZED WORK AREAS ARE SHOWN ON THE INDIVIDUAL BMP SHEETS.

CITY OF DUNWOODY NOTES:

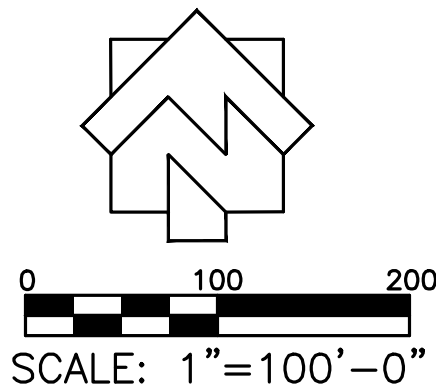
- CONTACT THE CITY OF DUNWOODY PLANNER/ARBORIST AT 678-382-6810 TO DETERMINE IF A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBANCE IS REQUIRED. ALL REQUIRED TREE FENCE MUST BE INSTALLED PRIOR TO THIS MEETING.
- CALL BEFORE YOU DIG (800) 282-7411.
- PROVISIONS FOR TREE PROTECTION ON THE SITE SHALL 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.
- 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.
- 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.

NRCS SOILS TYPE LEGEND

PuE PACEOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AkB ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ca CARTECAY SILT LOAM, FREQUENTLY FLOODED
WeE WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CuC CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ud URBAN LAND
W WATER

SEDIMENT STORAGE WRITTEN RATIONALE:
FOR SHEETFLOW LOCATIONS 1, 2 AND 3 A TEMPORARY SEDIMENT BASIN IS NOT PROVIDED BECAUSE THE REQUIRED SEDIMENT STORAGE VOLUME FOR THE TOTAL DRAINAGE AREA IS PROVIDED (SUBSTANTIALLY EXCEEDED) BY THE TYPE C SILT FENCE AND CHECK DAMS. THE LOCATION OF THE TRAIL HAS BEEN SELECTED TO MINIMIZE THE ADDITIONAL DRAINAGE AREA FROM OFFSITE (UPSTREAM) FLOWS. THE TERRAIN DOES NOT PROVIDE A LOCATION TO OBTAIN MAXIMUM STORAGE BENEFIT AND EASE OF CLEAN-OUT OF ANY TRAPPED SEDIMENT. THERE ARE NO STORM PIPE DRAINAGE SYSTEMS TO DISCHARGE DIRECTLY INTO A SEDIMENT BASIN AS ALL THE RUNOFF IS TREATED THROUGH SHEET FLOW.

SEDIMENT STORAGE										
LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD/EACH)		SILT FENCE (0.3 YD/FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
SHEET FLOW 1	2.43	0.28	162.8	608.3	—	—	—	—	2027.8	608.3
SHEET FLOW 2	1.23	0.12	82.4	177.5	—	—	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.50	33.5	362.1	—	—	—	—	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.90	278.7	1147.9	—	—	2	49.1	3662.5	1098.8



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LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION #14361

DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN- 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS

NO.	DATE	INITIAL BY	REQUESTED BY
1	01/09/15	JN	ADDRESS COMMENTS
2	01/28/15	JN	ADDRESS COMMENTS
3	02/12/15	JN	PER EPO COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE

EROSION AND
SEDIMENT CONTROL
PLAN
SHEETS KEY

PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY SCALE
STAFF
CHECKED BY 1"- 150'-0"
WA
SHEET NUMBER

C2.80

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.

Ds3

NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE REBEL BLEND FESCUE @ 300 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC. TO BE FOLLOWED WITH REBEL BLEND FESCUE MAR. - SEPT., APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

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

PuE PACEOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AKB ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Cc CARTOY SILT LOAM, FREQUENTLY FLOODED
WoE WEDDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CuC CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmB APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
Ud APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
W WATER

TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

24 HOUR EMERGENCY CONTACT:
BRENT WALKER - 678-382-6857
PRIMARY PERMITTEE AND OWNER:
CITY OF DUNWOODY
PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346
SEE SHEET C2.00 FOR ALL REFERENCES TO ELEVATION DATUM, FLOOD INSURANCE RATE MAPS, BOUNDARY SURVEYS, TOPOGRAPHIC SURVEYS, AND SURVEY CONTROLS.

SEE SHEET C0.01 FOR GENERAL GRADING NOTES.
SEE SHEETS C0.02-C0.04 FOR EXISTING CONDITIONS

SEE C1.00 SERIES SHEETS FOR LAYOUT PLANS.
SEE C2.00 SERIES FOR GRADING AND STORM DRAINAGE PLANS

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 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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY PER SAS-2014-00460

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

MATCHLINE C2.81A

MATCHLINE C2.82A

EXISTING BROOK RUN
PARK TRAIL

UNIFORM CODING SYSTEM
FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:

1. ALL PHASE 1 PRACTICES TO BE COMPLETED (INCLUDING THE SD3 SEDIMENT BASIN) 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.

PHASE I

- Co CONSTRUCTION EXIT (C2.90)
Cd-Hb TEMPORARY STONE CHECK DAM (C2.94)
Sd2 INLET SEDIMENT TRAP (C2.91)
Sd1 SEDIMENT BARRIER: TYPE 'C' W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (C2.90)
TF TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (C2.91)
Bf VEGETATIVE STREAM BUFFER ZONE (C2.91)
Tp TOPSOILING NOTE: ALL AREAS NOT UNDER PAVING TO RECEIVE TOPSOIL (C2.91)
Du DUST CONTROL ON DISTURBED AREAS (C2.90)
Ds1 TEMPORARY DISTURBED AREA STABILIZATION (C2.92)
Ds2 TEMPORARY DISTURBED AREA STABILIZATION (C2.92)
LD LIMITS OF CONSTRUCTION/ DISTURBANCE

CITY OF DUNWOODY NOTES:

- 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.
- 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 BASEMENT) *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 CROSSING PROPOSED WITH THIS PROJECT.
- CALL BEFORE YOU DIG (800) 282-7411.
- 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.
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SEDIMENT STORAGE

LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD ³ /EACH)		SILT FENCE (0.3 YD ³ /FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
SHEET FLOW 1	2.43	0.3	162.8	608.3	-	-	-	-	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	-	-	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.5	33.5	362.1	-	-	-	-	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	-	-	2	49.1	3662.5	1098.8



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LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION #14361

DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30388
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS

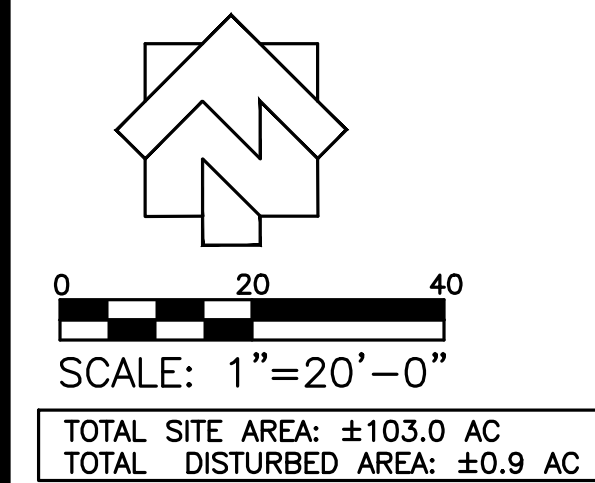
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ISSUED FOR BID 02/25/2015

SHEET TITLE

**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE I**

PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY SCALE
STAFF
CHECKED BY
JN
1"= 20'-0"
SHEET NUMBER
C2.81A



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PRIMARY PERMITTEE AND OWNER:
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41 PERIMETER CENTER EAST, SUITE 250
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SEE SHEET C2.00 FOR ALL REFERENCES
TO ELEVATION DATUM, FLOOD INSURANCE
RATE MAPS, BOUNDARY SURVEYS,
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CONTROLS.

SEE SHEET C0.01 FOR GENERAL GRADING
NOTES.
SEE SHEETS C0.02-C0.04 FOR EXISTING
CONDITIONS

SEE C1.00 SERIES SHEETS FOR LAYOUT
PLANS.
SEE C2.00 SERIES FOR GRADING AND
STORM DRAINAGE PLANS

TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY

TYPE "C"
DOUBLE ROW
WITH MULCH FILTER BERM
Sd1 SHEET FLOW STORAGE VOLUME:
DISTURBED AREA=0.5 AC
REQUIRED STORAGE VOLUME=33.5 YD'
LENGTH=1034.7'
PROVIDED STORAGE VOLUME =310.41 YD'
@ 0.3 YD' PER FT OF FENCE

TYPE "C"
DOUBLE ROW
WITH MULCH FILTER BERM
Sd1 SHEET FLOW STORAGE VOLUME:
DISTURBED AREA=0.5 AC
REQUIRED STORAGE VOLUME=33.5 YD'
LENGTH=993.1'
PROVIDED STORAGE VOLUME =297.93 YD'
@ 0.3 YD' PER FT OF FENCE

EX. SITE WETLAND BY OTHERS
PER SAS-2014-00460

NRCS SOILS TYPE LEGEND

PuE PACEOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AkB ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ca CARTECAY SILT LOAM, FREQUENTLY FLOODED
WeE WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CuC CECL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ud URBAN LAND
W WATER

HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:

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PHASE I

Co CONSTRUCTION EXIT (C2.90)
Cd-Hb TEMPORARY STONE CHECK DAM (C2.94)
Sd2 INLET SEDIMENT TRAP (C2.91)
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W/ TREE PROTECTION FENCE 2' BEHIND
EROSION CONTROL FENCE, AWAY FROM DISTURBANCE
*ALSO SERVES AS
LIMITS OF CONSTRUCTION/DISTURBANCE
Tf TREE PROTECTION FENCE
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Bf VEGETATIVE STREAM BUFFER ZONE (C2.91)
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NOTE: ALL AREAS NOT UNDER
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Du DUST CONTROL ON
DISTURBED AREAS (C2.90)
Ds1 TEMPORARY DISTURBED
AREA STABILIZATION (C2.92)
Ds2 TEMPORARY DISTURBED
AREA STABILIZATION (C2.92)
LD LIMITS OF CONSTRUCTION/ DISTURBANCE

CITY OF DUNWOODY NOTES:

- 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
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PERMANENT POWER FOR THAT PHASE. CONTACT THE CITY OF
DUNWOODY AT 678-382-6800 FOR SITE INSPECTION UPON
COMPLETION OF LANDSCAPE INSTALLATION.

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.

Ds3 NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE
REBEL BLEND FESCUE @ 300 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF
ANNUAL RYEGRASS @ 40 LBS/AC. TO BE FOLLOWED WITH REBEL BLEND FESCUE MAR. - SEPT.. APPLY
STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

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.

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 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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH
MULCH OR TEMPORARY SEEDING.

SEDIMENT STORAGE

LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD/EACH)		SILT FENCE (0.3 YD'/FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
SHEET FLOW 1	2.43	0.3	162.8	608.3	-	-	-	-	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	-	-	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.5	33.5	362.1	-	-	-	-	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	-	-	2	49.1	3662.5	1098.8

MATCHLINE C2.82A

MATCHLINE C2.83A



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LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION #14361

DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30388
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS

NO.	DATE	INITIAL BY	REQUESTED BY
1	01/09/15	JN	ADDRESS COMMENTS
2	02/12/15	JN	PER EPO COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE

**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE I**

PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY SCALE
STAFF 1"= 20'-0"
CHECKED BY
JN
SHEET NUMBER

C2.82A

NOTE:

1. ALL PHASE 1 PRACTICES TO BE COMPLETED (INCLUDING THE SD3 SEDIMENT BASIN) PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES.
2. 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.
3. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREAS CHIEFLY FINAL STABILIZATION. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

 --- CONSTRUCTION EXIT  1
 --- TEMPORARY STONE CHECK DAM  1
 --- INLET SEDIMENT TRAP  1
 --- SEDIMENT BARRIER: TYPE 'C'
W/ TREE PROTECTION FENCE, 2' BEHIND
EROSION CONTROL FENCE, AWAY FROM DISTURBANCE
*ALSO SERVES AS
LIMITS OF CONSTRUCTION/DISTURBANCE  5
 --- TREE PROTECTION FENCE
*ALSO SERVES AS
LIMITS OF CONSTRUCTION/DISTURBANCE  5
 --- VEGETATIVE BUFFER ZONE  7
 --- TOPSOILING  8
NOTE: ALL AREAS NOT UNDER
PAVING TO RECEIVE TOPSOIL
 --- DUST CONTROL ON
DISTURBED AREAS  7
 --- TEMPORARY DISTURBED
AREA STABILIZATION  2
 --- TEMPORARY DISTURBED
AREA STABILIZATION  3
 --- LIMITS OF CONSTRUCTION/ DISTURBANCE

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.

Ds3 NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL. (SEE LANDSCAPE PLANS) SEED TO BE REBEL BLEND FESCUE @ 300 LBS/AC. IF SEEDING OCCURS OCT. – FEB. USE TEMPORARY SEEDING OF BIVALVE PLYWORTH @ 40 LBS/AC FOLLOWED WITH REBEL BLEND FESCUE MAR. – SEPT.). APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

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 (350 KG/HAL) IF USING A HIGHLY ANALYSED 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 AND AIR TO CIRCULATE AS WELL AS SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE.

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

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. CALL BEFORE YOU DIG (800) 282-7411.
3. 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.
4. 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 LANDSCAPE INSTALLATION.
5. ALL LANDSCAPE DESIGN AND CONSTRUCTION PHASES OF DEVELOPMENT SHALL BE COMPLETED PRIOR TO THE RECORDING OF THE FINAL PLAN 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.

LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	TOTAL REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD ³ /EACH)		SILT FENCE (0.3 YD ³ /FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
SHEET FLOW 1	2.43	0.3	162.8	608.3	—	—	—	—	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	—	—	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.5	33.5	362.1	—	—	—	—	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	—	—	2	49.1	3662.5	1098.8

PuE	PACELOET—URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
Ak8	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ca	CARTECAY SILT LOAM, FREQUENTLY FLOODED
We	WEDDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
ApL	APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
CuC	CECIL—URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC	APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB	APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ud	URBAN LAND
W	WATER

SEE SHEET C2.00 FOR ALL REFERENCES
TO ELEVATION DATUM, FLOOD INSURANCE
RATE MAPS, BOUNDARY SURVEYS,
TOPOGRAPHIC SURVEYS, AND SURVEY
CONTROLS.

SEE C1.00 SERIES SHEETS FOR LAYOUT
PLANS.
SEE C2.00 SERIES FOR GRADING AND
STORM DRAINAGE PLANS

TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC

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 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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD
GREATER THAN 14 DAYS SHALL BE STABILIZED WITH
MULCH OR TEMPORARY SEEDING.

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DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

NO.	DATE	INITIAL BY	REQUESTED BY
C1	01/09/15	JN	ADDRESS COMMENTS
C3	02/12/15	JN	PER EPD COMMENTS

ISSUED FOR BID 02/25/2015

EROSION AND SEDIMENT CONTROL PLAN PHASE I

PROJECT NUMBER	DATE
12185-2	11/10/2014
DRAWN BY	SCALE
STAFF	1"= 20'-0"
CHECKED BY	
JN	
SHEET NUMBER	

C2.83A

P/E	PACELOT—URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AkB	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
g	CARTKEY SILT LOAM, FREQUENTLY FLOODED
WcE	WEECE SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC	APPLING—URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CuC	CECIL—URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC	APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB	APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ud	URBAN LAND
W	WATER

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. CALL BEFORE YOU DIG (800) 282-7411.
3. 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 PROTECTION ORDINANCE, ZONING ORDINANCE AND ADMINISTRATIVE GUIDELINES PERTAINING TO TREE PROTECTION.
4. 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.
5. ALL LANDSCAPING FOR EACH PHASE OF DEVELOPMENT SHALL BE COMPLETED PRIOR TO THE RECORDING OF THE FINAL PLAN FOR THAT PHASE. PRIOR TO ANY RESUMPTION 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.

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.

TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC

TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY

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.

Ds3

NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE REBEL BLENF FESCUE @ 300 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH REBEL BLENF FESCUE MAR. - SEPT.. APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

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/HAI). 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 SHOULD BE APPLIED TO THE ENTIRE SEEDING AREA TO CIRCULATE AS WELL AS SHADE THE GROUND, REDUCE EROSION, AND CONSERVE SOIL MOISTURE.

SEE SHEET C0.01 FOR GENERAL GRADING
NOTES.
SEE SHEETS C0.02-C0.04 FOR EXISTING
CONDITIONS

SEE C1.00 SERIES SHEETS FOR LAYOUT
PLANS.
SEE C2.00 SERIES FOR GRADING AND
STORM DRAINAGE PLANS

TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY

Sd1 SHEET FLOW STORAGE VOLUME:
DISTURBED AREA=0.3 AC
REQUIRED STORAGE VOLUME=18.8 YD³
LENGTH=702.2'
PROVIDED STORAGE VOLUME =210.7 YD³
⊙ 0.3 YD³ PER FT OF FENCE
TYPE "C"
DOUBLE ROW
WITH MULCH FILTER BERM

Sd1

Ds1 Ds2 Du

LIMITS OF DISTURBANCE, TYP.

NOTE:

1. ALL PHASE 1 PRACTICES TO BE COMPLETED (INCLUDING THE SD3 SEDIMENT BASIN) PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES.
2. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 3 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION OF THE COMPLETE DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.
3. 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 MAINTAIN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

 --- CONSTRUCTION EXIT 
 --- **Cd-Hb** --- TEMPORARY STONE CHECK DAM 
 --- **Sd2** --- INLET SEDIMENT TRAP 
 --- **Sd1** --- SEDIMENT BARRIER: TYPE 'C'
W/ TREE PROTECTION FENCE 2' BEHIND
EROSION CONTROL FENCE, AWAY FROM DISTURBANCE
*ALSO SERVES AS
LIMITS OF CONSTRUCTION/DISTURBANCE
 --- TREE PROTECTION FENCE
*ALSO SERVES AS
LIMITS OF CONSTRUCTION/DISTURBANCE 
 --- VEGETATIVE STREAM BUFFER ZONE 
 --- **Tp** --- TOPSOILING 
NOTE: ALL AREAS NOT UNDER
PAVING TO RECEIVE TOPSOIL
 --- **Du** --- DUST CONTROL ON
DISTURBED AREAS 
 --- **Dsd1** --- TEMPORARY DISTURBED
AREA STABILIZATION 
 --- **Dsd2** --- TEMPORARY DISTURBED
AREA STABILIZATION 
 --- LIMITS OF CONSTRUCTION/ DISTURBANCE

SITE WETLAND BOUNDARY
PER SAS-2014-00460

SEDIMENT STORAGE										
LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL SEDIMENT VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD ³ /EACH)		SILT FENCE (0.3 YD ³ /FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
SHEET FLOW 1	2.43	0.3	162.8	608.3	—	—	—	—	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	—	—	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.5	33.5	362.1	—	—	—	—	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	—	—	2	49.1	3662.5	1098.8

24 HOUR EMERGENCY CONTACT:
BRENT WALKER - 678-382-6857
PRIMARY PERMITTEE AND OWNER:
CITY OF DUNWOODY
PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346

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



LOBE & ASSOCIATES, INC.
1314 5th Avenue North, Suite 200
Nashville, TN 37208
(615) 242-0040

220 W. Crogan St. Suite 100
Lawrenceville, GA 30046
(770) 338-0017

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LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION #14361

**DUNWOODY
MULTI-USE TRAIL - PHASE III**
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS

NO.	DATE	INITIAL BY	REQUESTED BY
C1	01/09/15	JN	ADDRESS COMMENT
C3	02/12/15	JN	PER EPD COMMENT

ISSUED FOR BID 02/25/2019

SHEET TITLE

**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE I**

PROJECT NUMBER	DATE
----------------	------

12185-2 11/10/2014

DRAWN BY STAFF	SCALE 1" = 20' 0"
-------------------	----------------------

START	1'-20'-0"
CHECKED BY	

JN	
SHEET NUMBER	

SHEET NUMBER
0001A

C2.84A

UNIFORM CODING SYSTEM
FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
1. ALL PHASE 1 PRACTICES TO BE COMPLETED (INCLUDING THE SD3 SEDIMENT BASIN) 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.

PHASE II

- Fr --- TEMPORARY FILTER RING (3) C2.90
Cd-Hb --- TEMPORARY STONE CHECK DAM (1) C2.94
St --- STORM DRAIN OUTLET PROTECTION (9) C2.91
Tp --- TOPSOILING (8) C2.91
NOTE: ALL AREAS NOT UNDER PAVING TO RECEIVE TOPSOIL
Du --- DUST CONTROL ON DISTURBED AREAS (7) C2.90
Mb --- GEOTEXTILES (4) C2.90
Bf --- VEGETATIVE STREAM BUFFER ZONE (7) C2.91
Sd2 --- INLET SEDIMENT TRAP (1) C2.91 & (4) C2.91
Ds2 --- TEMPORARY DISTURBED AREA STABILIZATION (3) C2.92
Sd1 --- SEDIMENT BARRIER: TYPE "C" W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (5) C2.91
--- TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (5) C2.91

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.

Ds3

NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE REBEL BLEND FESCUE @ 300 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH REBEL BLEND FESCUE MAR. - SEPT., APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

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.

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

UNNAMED TRIBUTARY OF NANCY CREEK TRIBUTARY A

TYPE "C" DOUBLE ROW WITH MULCH FILTER BERM

Sd1 SHEET FLOW STORAGE VOLUME: DISTURBED AREA=0.5 AC
REQUIRED STORAGE VOLUME=33.5 YD³
LENGTH=1034.7'
PROVIDED STORAGE VOLUME =310.41 YD³
@ 0.3 YD³ PER FT OF FENCE

TYPE "C" DOUBLE ROW WITH MULCH FILTER BERM
Sd1 SHEET FLOW STORAGE VOLUME: DISTURBED AREA=0.5 AC
REQUIRED STORAGE VOLUME=33.5 YD³
LENGTH=993.1'
PROVIDED STORAGE VOLUME =297.93 YD³
@ 0.3 YD³ PER FT OF FENCE

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

NRCS SOILS TYPE LEGEND

PuE PACEOLET--URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AkB ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ca CARTECAY SILT LOAM, FREQUENTLY FLOODED
WeC WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC APPLING--URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CuC CECIL--URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ud URBAN LAND
W WATER

SEE SHEET C2.00 FOR ALL REFERENCES TO ELEVATION DATUM, FLOOD INSURANCE RATE MAPS, BOUNDARY SURVEYS, TOPOGRAPHIC SURVEYS, AND SURVEY CONTROLS.

SEE SHEET C0.01 FOR GENERAL GRADING NOTES.
SEE SHEETS C0.02-C0.04 FOR EXISTING CONDITIONS

SEE C1.00 SERIES SHEETS FOR LAYOUT PLANS.
SEE C2.00 SERIES FOR GRADING AND STORM DRAINAGE PLANS

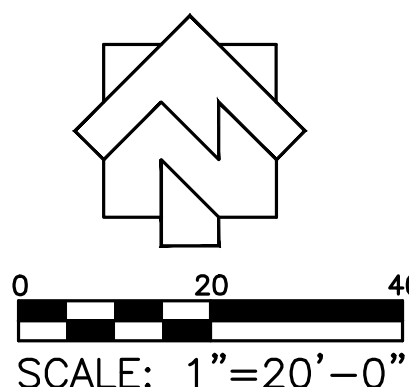
THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE 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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

SEDIMENT STORAGE

LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD/EACH)		SILT FENCE (0.3 YD/FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
SHEET FLOW 1	2.43	0.3	162.8	608.3	-	-	-	-	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	-	-	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.5	33.5	362.1	-	-	-	-	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	-	-	2	49.1	3662.5	1098.8



TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

24 HOUR EMERGENCY CONTACT:
BRENT WALKER - 678-382-6857
PRIMARY PERMITTEE AND OWNER:
CITY OF DUNWOODY
PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346

CONSTRUCTION SERVICE AREA, CONCRETE WASHDOWN AND TIRE WASH AREA SEE SHEET C2.84 FOR PROCEDURE

TRUCK ACCESS TO THE SITE VIA BROOK RUN PARK TRAIL TO BE COORDINATED WITH AND APPROVED BY THE OWNERS REPRESENTATIVE.

HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY PER SAS-2014-00460

CITY OF DUNWOODY NOTES:

- 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.
- CALL BEFORE YOU DIG (800) 282-7411.
- 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.
- 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.
- 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.

LOSE & ASSOCIATES, INC.
1314 5th Avenue North, Suite 200
Nashville, TN 37208
(615) 242-0040
220 W. Crogan St. Suite 100
Lawrenceville, GA 30046
(770) 938-0017

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LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION #14361

DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS			
NO.	DATE	INITIAL	REQUESTED BY
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2	02/12/15	JN	PER EPO COMMENTS

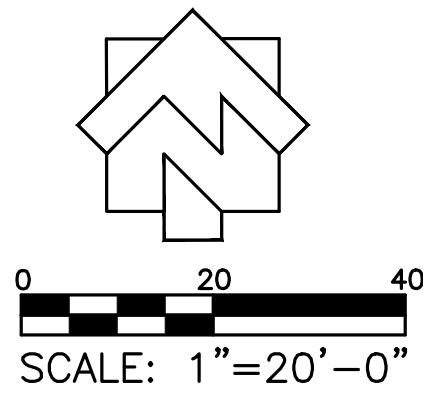
ISSUED FOR BID 02/25/2015

SHEET TITLE

**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE II**

PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY
STAFF
CHECKED BY
JN
SHEET NUMBER

C2.81B



TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC

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PRIMARY PERMITTEE AND OWNER:
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41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346

SEE SHEET C2.00 FOR ALL REFERENCES TO
ELEVATION DATUM, FLOOD INSURANCE
RATE MAPS, BOUNDARY SURVEYS,
TOPOGRAPHIC SURVEYS, AND SURVEY
CONTROLS.

SEE SHEET C0.01 FOR GENERAL GRADING
NOTES.
SEE SHEETS C0.02-C0.04 FOR EXISTING
CONDITIONS

SEE C1.00 SERIES SHEETS FOR LAYOUT
PLANS.
SEE C2.00 SERIES FOR GRADING AND
STORM DRAINAGE PLANS

HATCH LEGEND	
FEMA FLOOD WAY	
FEMA 100 YEAR FLOOD PLAIN	
SITE WETLAND BOUNDARY PER SAS-2014-00460	

TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY

MATCHLINE C2.82B

MATCHLINE C2.83B

TYPE "C"
DOUBLE ROW
WITH MULCH FILTER BERM
Sd1 SHEET FLOW STORAGE VOLUME:
DISTURBED AREA=0.5 AC
REQUIRED STORAGE VOLUME=33.5 YD³
LENGTH=1034.7'
PROVIDED STORAGE VOLUME =310.41 YD³
● 0.3 YD³ PER FT OF FENCE

TYPE "C"
DOUBLE ROW
WITH MULCH FILTER BERM
Sd1 SHEET FLOW STORAGE VOLUME:
DISTURBED AREA=0.5 AC
REQUIRED STORAGE VOLUME=33.5 YD³
LENGTH=993.1'
PROVIDED STORAGE VOLUME =297.93 YD³
● 0.3 YD³ PER FT OF FENCE

EX. SITE WETLAND BY OTHERS
PER SAS-2014-00460

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.

Ds3

NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE REBEL BLEND FESCUE @ 300 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH REBEL BLEND FESCUE MAR. - SEPT., APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

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.

UNIFORM CODING SYSTEM

FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:

1. ALL PHASE 1 PRACTICES TO BE COMPLETED (INCLUDING THE SD3 SEDIMENT BASIN) 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 COMPLETION 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.

PHASE II

	Fr	TEMPORARY FILTER RING	3	(C2.90)
	Cd-Hb	TEMPORARY STONE CHECK DAM	1	(C2.94)
	St	STORM DRAIN OUTLET PROTECTION	9	(C2.97)
	Tp	TOPSOILING	8	(C2.97)
NOTE: ALL AREAS NOT UNDER PAVING TO RECEIVE TOPSOIL				
	Du	DUST CONTROL ON DISTURBED AREAS	7	(C2.90)
	Mb	GEOTEXTILES	4	(C2.90)
	Bf	VEGETATIVE STREAM BUFFER ZONE	7	(C2.97)
	Sd2	INLET SEDIMENT TRAP	1	(C2.97) & 4 (C2.97)
	Ds2	TEMPORARY DISTURBED AREA STABILIZATION	3	(C2.97)
	Sd1	SEDIMENT BARRIER: TYPE "C" W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE	5	(C2.90)
	Tf	TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE	5	(C2.97)

NRCS SOILS TYPE LEGEND

PUE	PACEOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AKB	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ca	CARTECAY SILT LOAM, FREQUENTLY FLOODED
WeE	WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC	APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CUC	CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC	APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB	APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ud	URBAN LAND
W	WATER

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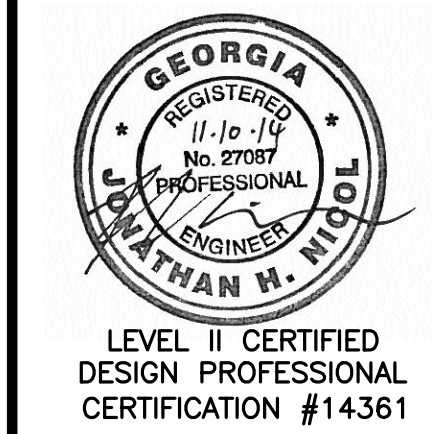
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SEDIMENT STORAGE										
LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD³)	TOTAL STORAGE VOLUME PROVIDED (YD³)	SEDIMENT BASINS		CHECK DAMS (# YD³/EACH)		SILT FENCE (0.3 YD³/FT)	
					POND #	TOTAL VOLUME (YD³)	# OF DEVICES	TOTAL VOLUME (YD³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD³)
SHEET FLOW 1	2.43	0.3	162.8	608.3	—	—	—	—	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	—	—	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.5	33.5	362.1	—	—	—	—	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	—	—	2	49.1	3662.5	1098.8



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DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS			
NO.	DATE	INITIAL	REQUESTED BY
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ISSUED FOR BID 02/25/2015

SHEET TITLE

**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE II**

PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY
STAFF
CHECKED BY
JN
SHEET NUMBER

C2.82B

UNIFORM CODING SYSTEM
FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
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PHASE II

- Fr --- TEMPORARY FILTER RING (3) (C2.90)
- Cd-Hb --- TEMPORARY STONE CHECK DAM (1) (C2.94)
- St --- STORM DRAIN OUTLET PROTECTION (9) (C2.91)
- Tp --- TOPSOILING (8) (C2.91)
NOTE: ALL AREAS NOT UNDER PAVING TO RECEIVE TOPSOIL
- Du --- DUST CONTROL ON DISTURBED AREAS (7) (C2.90)
- Mb --- GEOTEXTILES (4) (C2.90)
- Bf --- VEGETATIVE STREAM BUFFER ZONE (7) (C2.91)
- Sd2 --- INLET SEDIMENT TRAP (1) (C2.91) & (4) (C2.91)
- Ds2 --- TEMPORARY DISTURBED AREA STABILIZATION (3) (C2.92)
- Sf --- Sd1 --- SEDIMENT BARRIER: TYPE "C" W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (5) (C2.90)
- Tf --- TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (5) (C2.91)

HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

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.

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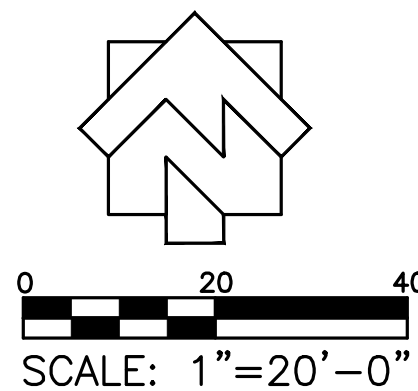
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LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD ³ /EACH)		SILT FENCE (0.3 YD ³ /FT)	
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MATCHLINE C2.82B

MATCHLINE C2.83B



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SHEET TITLE
**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE II**

PROJECT NUMBER/DATE
12185-2 11/10/2014
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JN
SHEET NUMBER
C2.83B

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.
- Ds3** NOTE: IF AREAS ARE NOT TO BE PLANTED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO BE REBEL BLEND FESCUE @ 300 LBS/AC. IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC. TO BE FOLLOWED WITH REBEL BLEND FESCUE MAR. - SEPT., APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.
- 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

PuE	PACEOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
Ak6	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ca	CARTECAY SILT LOAM, FREQUENTLY FLOODED
WeE	WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC	APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CuC	CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC	APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB	APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ud	URBAN LAND
W	WATER

CITY OF DUNWOODY NOTES:

- 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.
- CALL BEFORE YOU DIG (800) 282-7411.
- 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.
- 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.
- 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.

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.

Ds3

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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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

SEE SHEET C2.00 FOR ALL REFERENCES TO ELEVATION DATUM, FLOOD INSURANCE RATE MAPS, BOUNDARY SURVEYS, TOPOGRAPHIC SURVEYS, AND SURVEY CONTROLS.

SEE SHEET C0.01 FOR GENERAL GRADING NOTES.
SEE SHEETS C0.02-C0.04 FOR EXISTING CONDITIONS

SEE C1.00 SERIES SHEETS FOR LAYOUT PLANS.
SEE C2.00 SERIES FOR GRADING AND STORM DRAINAGE PLANS

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

Sd1 SHEET FLOW STORAGE VOLUME:
DISTURBED AREA=0.3 AC
REQUIRED STORAGE VOLUME=18.8 YD'
LENGTH=702.2'
PROVIDED STORAGE VOLUME =210.7 YD'
@ 0.3 YD' PER FT OF FENCE
TYPE "C"
DOUBLE ROW
WITH MULCH FILTER BERM

CONSTRUCTION SERVICE AREA,
CONCRETE WASHDOWN AND TIRE WASH
AREA SEE SHEET C2.84 FOR PROCEDURE

UNIFORM CODING SYSTEM
FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:

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- 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.

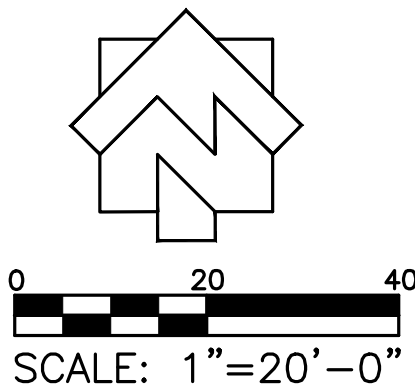
PHASE II

- Fr --- TEMPORARY FILTER RING (3) C2.90
- Cd-Hb --- TEMPORARY STONE CHECK DAM (1) C2.94
- St --- STORM DRAIN OUTLET PROTECTION (9) C2.91
- TP --- TOPSOILING (8) C2.91
NOTE: ALL AREAS NOT UNDER PAVING TO RECEIVE TOPSOIL
- Du --- DUST CONTROL ON DISTURBED AREAS (7) C2.90
- Mb --- GEOTEXTILES (4) C2.90
- Bf --- VEGETATIVE STREAM BUFFER ZONE (7) C2.91
- Sd2 --- INLET SEDIMENT TRAP (1) C2.91 & (4) C2.91
- Ds2 --- TEMPORARY DISTURBED AREA STABILIZATION (3) C2.92
- SF --- Sd1 --- SEDIMENT BARRIER: TYPE 'C' W/ TREE PROTECTION FENCE 2' BEHIND EROSION CONTROL FENCE, AWAY FROM DISTURBANCE. *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (5) C2.90
- TF --- TREE PROTECTION FENCE *ALSO SERVES AS LIMITS OF CONSTRUCTION/DISTURBANCE (5) C2.91

SEDIMENT STORAGE										
LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD)	TOTAL STORAGE VOLUME PROVIDED (YD)	SEDIMENT BASINS		CHECK DAMS (# YD/EACH)		SILT FENCE (0.3 YD/FT)	
					POND #	TOTAL VOLUME (YD)	# OF DEVICES	TOTAL VOLUME (YD)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD)
SHEET FLOW 1	2.43	0.3	162.8	608.3	—	—	—	—	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	—	—	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.5	33.5	362.1	—	—	—	—	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	—	—	2	49.1	3662.5	1098.8

24 HOUR EMERGENCY CONTACT:
BRENT WALKER - 678-382-6857
PRIMARY PERMITTEE AND OWNER:
CITY OF DUNWOODY
PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346

TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC



DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS			
NO.	DATE	INITIAL BY	REQUESTED BY
1	01/09/15	JN	ADDRESS COMMENTS
2	02/12/15	JN	PER EPO COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE

**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE II**

PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY SCALE
STAFF
CHECKED BY 1"- 20'-0"
JN

SHEET NUMBER
C2.84B

PuE	PACELOT—URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AKB	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
gC	CARTAGEY SILT LOAM, FREQUENTLY FLOODED
WuE	WHEELER SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC	APPLING—URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CmC	CECIL—URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC	APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
Ud	APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Wd	URBAN LAND
	WATER

NOTE:

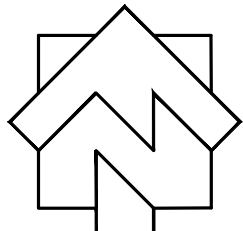
1. ALL PHASE 1 PRACTICES TO BE COMPLETED (INCLUDING THE SD3 SEDIMENT BASIN) PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES.
2. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. PHASE 2 PRACTICES TO BE IMPLEMENTED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.
3. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREAS HAVE BEEN FULLY STABILIZED. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.


St — STORM DRAIN OUTLET PROTECTION 9
C2.91


 — AREAS TO RECEIVE EROSION PROTECTION FABRIC AND HYDROSEED

Mb — **Mb** — GEOTEXTILES 4
C2.90

Ds3 — **Ds3** — PERMANENT DISTURBED AREA STABILIZATION 1
C2.93



SCALE: 1"=20'-0"

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY



LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION #14361

DUNWOODY MULTI-USE TRAIL - PHASE III

4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,

18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS

NO.	DATE	INITIAL BY	REQUESTED BY
C1	01/09/15	JN	ADDRESS COMMENTS
C3	02/12/15	JN	PER EPD COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE

**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE III**

PROJECT NUMBER	DATE
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12185-2 | **11/10/2014**

DRAWN BY STAFF	SCALE 1" = 100' 0"
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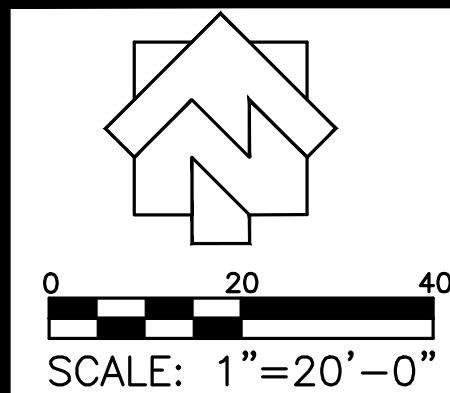
START	1'- 20'-0"
CHECKED BY	

JN	
SHEET NUMBER	

SHEET NUMBER
00 010

C2.81C

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TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

MATCHLINE C2.82C
MATCHLINE C2.83C

NRCS SOILS TYPE LEGEND

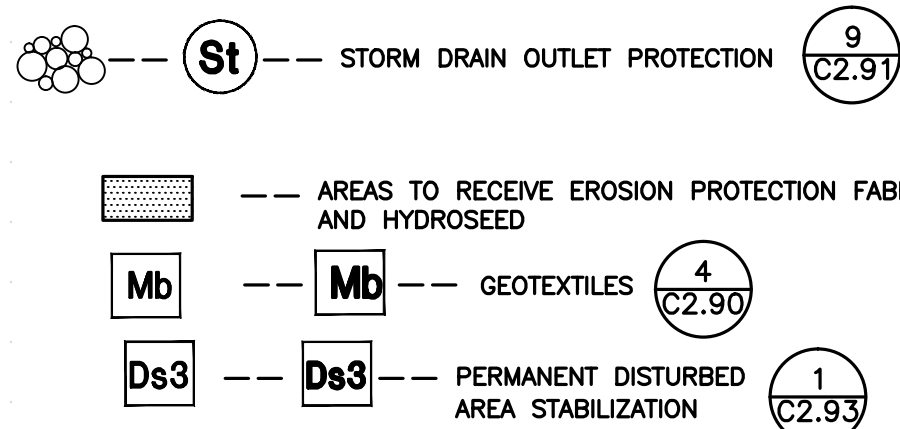
PuE PACEOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
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Ud URBAN LAND
W WATER

UNIFORM CODING SYSTEM FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:

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PHASE 3



HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

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CITY OF DUNWOODY NOTES:

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TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC

SEEDING NOTE THIS CONTRACT

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SEDIMENT STORAGE

LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD/EACH)		SILT FENCE (0.3 YD/FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
SHEET FLOW 1	2.43	0.3	162.8	608.3	-	-	-	-	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	-	-	2	49.1	427.9	128.4
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TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	-	-	2	49.1	3662.5	1098.8

LOSE & ASSOCIATES, INC.
1314 5th Avenue North, Suite 200
Nashville, TN 37208
(615) 242-0040
220 W. Crogan St. Suite 100
Lawrenceville, GA 30046
(770) 338-0017

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GEORGIA
REGISTERED
No. 27087
PROFESSIONAL
ENGINEER
NATHAN W. NIGOL

LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION #14361

DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30388
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS			
NO.	DATE	INITIAL BY	REQUESTED BY
1	01/09/15	JN	ADDRESS COMMENTS
2	02/12/15	JN	PER EPO COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE
**EROSION AND
SEDIMENT CONTROL
PLAN
PHASE III**

PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY SCALE
STAFF
CHECKED BY 1"= 20'-0"
JN
SHEET NUMBER

C2.82C

UNIFORM CODING SYSTEM
FOR SOIL EROSION & SEDIMENT CONTROL PRACTICES

NOTE:
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PHASE 3

- St --- STORM DRAIN OUTLET PROTECTION (9 C2.91)
- Mb --- MB --- GEOTEXTILES (4 C2.90)
- Ds3 --- Ds3 --- PERMANENT DISTURBED AREA STABILIZATION (1 C2.93)
- Wt --- STORMWATER CONVEYANCE CHANNEL (3 C2.91)
- AREAS TO RECEIVE EROSION PROTECTION FABRIC AND HYDROSEED

SEEDING NOTE THIS CONTRACT

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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.

SEDIMENT STORAGE										
LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD/EACH)		SILT FENCE (0.3 YD/FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
SHEET FLOW 1	2.43	0.3	162.8	608.3	-	-	-	-	2027.8	608.3
SHEET FLOW 2	1.23	0.1	82.4	177.5	-	-	2	49.1	427.9	128.4
SHEET FLOW 3	0.50	0.5	33.5	362.1	-	-	-	-	1206.8	362.1
TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	-	-	2	49.1	3662.5	1098.8

MATCHLINE C2.82C

MATCHLINE C2.83C

TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC

TOPOGRAPHY OUTSIDE OF SURVEY LIMITS PROVIDED BY CITY OF DUNWOODY GIS DEPARTMENT, FOR REFERENCE ONLY

SEE SHEET C2.00 FOR ALL REFERENCES TO ELEVATION DATUM, FLOOD INSURANCE RATE MAPS, BOUNDARY SURVEYS, TOPOGRAPHIC SURVEYS, AND SURVEY CONTROLS.

SEE SHEET C0.01 FOR GENERAL GRADING NOTES.
SEE SHEETS C0.02-C0.04 FOR EXISTING CONDITIONS

SEE C1.00 SERIES SHEETS FOR LAYOUT PLANS.
SEE C2.00 SERIES FOR GRADING AND STORM DRAINAGE PLANS

24 HOUR EMERGENCY CONTACT:
BRENT WALKER - 678-382-6857
PRIMARY PERMITTEE AND OWNER:
CITY OF DUNWOODY
PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346

HATCH LEGEND

FEMA FLOOD WAY

FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY PER SAS-2014-00460



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LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION #14361

DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30388
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS			
NO.	DATE	INITIAL BY	REQUESTED BY
1	01/09/15	JN	ADDRESS COMMENTS
2	02/12/15	JN	PER EPO COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE
EROSION AND SEDIMENT CONTROL PLAN PHASE III

PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY SCALE
STAFF
CHECKED BY 1"= 20'-0"
JN
SHEET NUMBER

C2.83C

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 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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

CITY OF DUNWOODY NOTES:

- 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.
- CALL BEFORE YOU DIG (800) 282-7411.
- 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.
- 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.
- 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.

NRCS SOILS TYPE LEGEND

PuE PACEOLET-URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AmB ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ca CARTECAY SILT LOAM, FREQUENTLY FLOODED
WeE WEDOWEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
AuC APPLING-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CuC CECIL-URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
Ud URBAN LAND
W WATER

PuE	PACELOT—URBAN LAND COMPLEX, 10 TO 25 PERCENT SLOPES
AKB	ALTAVISTA FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES
Cg	CARTECAJ SILT LOAM, FREQUENTLY FLOODED
W	WEE SANDY LOAM, 10 TO 25 PERCENT SLOPES
ApU	APPLING—URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
CuC	CECIL—URBAN LAND COMPLEX, 2 TO 10 PERCENT SLOPES
AmC	APPLING SANDY LOAM, 6 TO 10 PERCENT SLOPES
AmB	APPLING SANDY LOAM, 2 TO 6 PERCENT SLOPES
U	URBAN LAND
W	WATER

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 PART OF THIS CONTRACT. THESE AREAS INCLUDE OPEN AREAS, DETENTION BASINS, AREAS OF FUTURE PAVING, PARKING LOTS, & ROADS. SEED SPECIES DEPENDING UPON DATE OF COMPLETION.

Ds3 IF AREAS ARE NOT COVERED WITH OTHER MATERIAL (SEE LANDSCAPE PLANS) SEED TO REBEL BLEND FESCUE @ 300 LBS/AC; IF SEEDING OCCURS OCT. - FEB., USE TEMPORARY SEEDING OF ANNUAL RYEGRASS @ 49 LBS/AC, TO BE FOLLOWED WITH REBEL BLEND FESCUE MAR. - SEPT.. APPLY STRAW MULCH, LIME, & FERTILIZER AS FOLLOWS.

UNIFORMLY SPREAD AGRICULTURAL LIME ON THE GROUND AT THE APPROXIMATE RATE DETERMINED BY THE LABORATORY.

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.

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ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD
GREATER THAN 14 DAYS SHALL BE STABILIZED WITH
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SEE SHEET C0.01 FOR GENERAL GRADING NOTES.
SEE SHEETS C0.02-C0.04 FOR EXISTING CONDITIONS

SEE C1.00 SERIES SHEETS FOR LAYOUT PLANS.
SEE C2.00 SERIES FOR GRADING AND STORM DRAINAGE
PLANS

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.
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5. 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.

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LOCATION	TOTAL DRAINAGE AREA (ACRES)	DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (YD ³)	TOTAL STORAGE VOLUME PROVIDED (YD ³)	SEDIMENT BASINS		CHECK DAMS (# YD / EACH)		SILT FENCE (0.3 YD / FT)	
					POND #	TOTAL VOLUME (YD ³)	# OF DEVICES	TOTAL VOLUME (YD ³)	LENGTH OF FENCE (FT)	TOTAL VOLUME (YD ³)
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TOTAL SHEET FLOW	4.16	0.9	278.7	1147.9	—	—	2	49.1	3662.5	1098.8

TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY

NOTE:

1. ALL PHASE 1 PRACTICES TO BE COMPLETED (INCLUDING THE S03 SEDIMENT BASIN) PRIOR TO ANY OTHER LAND DISTURBANCE ACTIVITIES.
2. PHASE 2 PRACTICES TO BE IMPLEMENTED AS NEEDED DURING CONSTRUCTION. FIELD PRACTICES TO BE COMPLETED AS SOON AS CONSTRUCTION IS COMPLETE ON DIFFERENT ASPECTS OF THE PROJECT, NOT AT END OF ALL CONSTRUCTION ACTIVITIES FOR ENTIRE SITE.
3. ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM SITE AT COMPLETION OF PROJECT OR WHEN CONTRIBUTING DRAINAGE AREAS ARE STABILIZED. STORM DRAIN OUTLET PROTECTION TO REMAIN IN PERMANENT CONDITION. ALL OTHER EROSION CONTROL MEASURES ON THIS SHEET ARE TEMPORARY.

 --- **St** --- STORM DRAIN OUTLET PROTECTION 9
C2.91

 --- --- AREAS TO RECEIVE EROSION PROTECTION FABRIC AND HYDROSEED

 --- **Mb** --- GEOTEXTILES 4
C2.90

 --- **Ds3** --- PERMANENT DISTURBED AREA STABILIZATION 1
C2.93

 --- --- STORMWATER CONVEYANCE CHANNEL 3
C2.91

FEMA FLOOD WAY

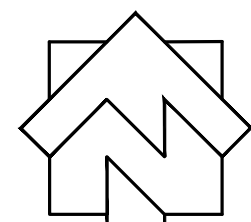
FEMA 100 YEAR FLOOD PLAIN

SITE WETLAND BOUNDARY
PER SAS-2014-00460

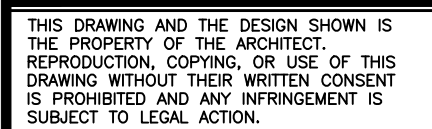
TOPOGRAPHY OUTSIDE OF SURVEY
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24 HOUR EMERGENCY CONTACT:
BRENT WALKER - 678-382-6857
PRIMARY PERMITTEE AND OWNER:
CITY OF DUNWOODY
PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346

TOTAL SITE AREA: ±103.0 AC
TOTAL DISTURBED AREA: ±0.9 AC



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



DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19TH DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

NO.	DATE	INITIAL BY	REQUESTED BY
C1	01/09/15	JN	ADDRESS COMMENTS
C3	02/12/15	JN	PER EPD COMMENT

ISSUED FOR BID 02/25/2015

PROJECT NUMBER	DATE
12185-2	11/10/2014
DRAWN BY	SCALE
STAFF	1"= 20'-0"
CHECKED BY	
JN	
SHEET NUMBER	

C2.84C

CLEARING PHASE
EROSION CONTROL NOTES

GRADING PHASE
EROSION CONTROL NOTES

ALL DISTURBED AREAS LEFT MULCHED AFTER 14 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

FOR INFRASTRUCTURE PROJECTS THAT BEGIN CONSTRUCTION ACTIVITY AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, HEREIN, WHEN THE PRIMARY PERMITTEE HAS REQUESTED INSPECTION AND EROSION CONTROL. THE PRIMARY PERMITTEE SHALL BE RESPONSIBLE FOR PAYING THE DESIGN PROFESSIONAL AGREED TO ALTER THE DESIGN PROFESSIONAL TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPs HAVE BEEN INSTALLED AND ARE BEING MAINTAINED AS DESIGNED. THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE WITHIN SEVEN (7) DAYS AFTER THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL, UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

FINAL PHASE EROSION CONTROL NOTES

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:

DESIGN PROFESSIONAL'S CERTIFICATION

NPDES PERMIT COVERAGE

WATER QUALITY COMPLIANCE PART I.C.4

PRIMARY PERMITTEE'S (OWNER/OPERATOR) CERTIFICATION

(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 EVALUATE THAT CERTIFICATES WERE PROPERLY OBTAINED AND THAT THE INFORMATION SUBMITTED ON 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 CERTIFY THAT I AM NOT PROVIDING ANY INFORMATION FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

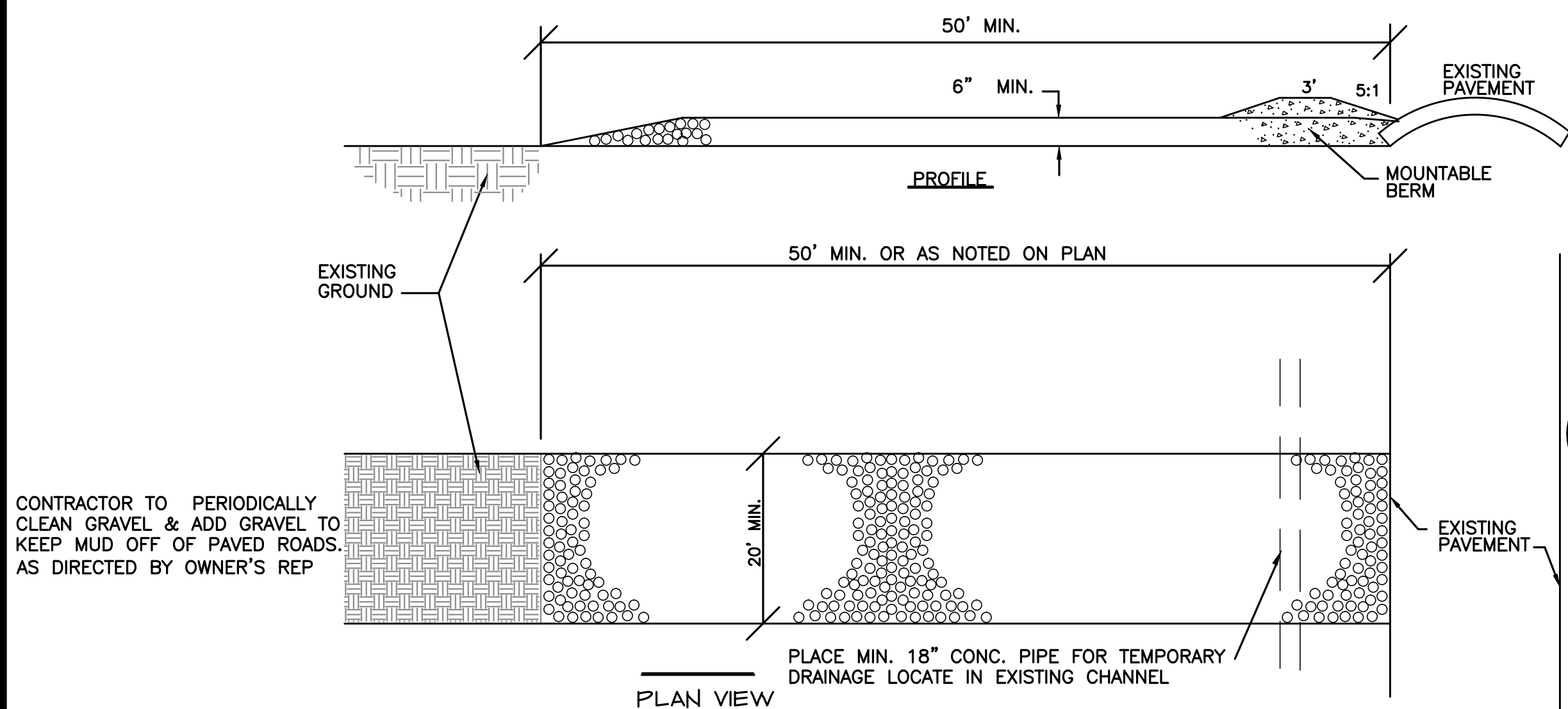
24 HOUR EMERGENCY CONTACT:
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PRIMARY PERMITTEE AND OWNER:
CITY OF DUNWOODY
PARKS & RECREATION DEPARTMENT
41 PERIMETER CENTER EAST, SUITE 250
DUNWOODY, GA 30346

GENERAL NOTES:

17. 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.

18. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

[illegible]



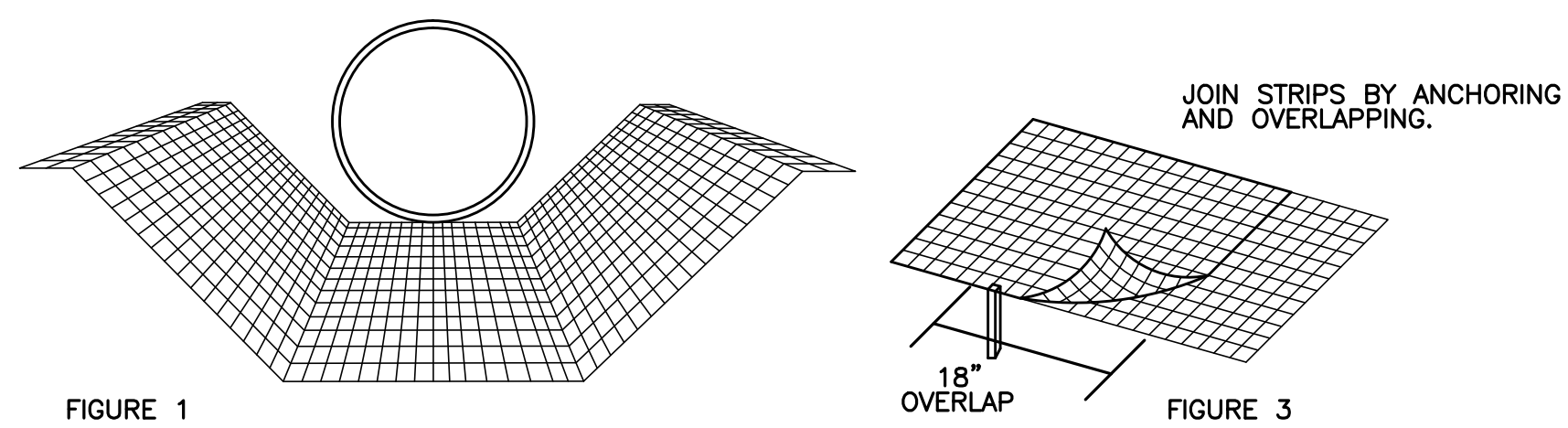
1. STONE SIZE- USE 1.5"-3.5" STONE, OR RECLAIMED OR RECYCLED CONC. EQUIVALENT.
2. LENGTH- AS REQUIRED, BUT NOT LESS THAN 50'
3. THICKNESS- NOT LESS THAN SIX (6) INCHES.
4. WIDTH- TWENTY (20) FOOT MIN., BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
5. GEOTEXTILE BARRIER TO BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVIDED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM W/5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY. AS DIRECTED BY OWNER'S REP
8. WASHING- WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
10. CONTRACTOR TO PAVE TEMPORARY ACCESS ROUTES AS DIRECTED BY THE COUNTY REPRESENTATIVE.

1 CONSTRUCTION ENTRANCE - Co

NOT TO SCALE

INSTALLATION INSTRUCTIONS: FOR DITCH & SLOPES

1. SEED (PER SPEC) BEFORE PLACEMENT OF MATTING. ROLL STRIPS OUT PARALLEL TO THE DIRECTION OF WATER FLOW, OR DOWN SLOPE. (SEE FIGURE 1)
2. START LAYING THE NET FROM THE TOP OF THE CHANNEL OR SLOPE AND UNROLL IT DOWN THE GRADE. ALLOW MATTING TO LAY LOOSELY ON THE SOIL BUT WITHOUT WRINKLES- DO NOT STRETCH.
3. TO SECURE THE NET, BURY THE UP-SLOPE END IN A TRENCH NO LESS THAN 6" DEEP, COVER WITH SOIL AND TAMP FIRMLY (SEE FIGURE 2). STAPLE THE MAT EVERY 12" ACROSS THE TOP END AND EVERY 3' AROUND THE EDGES AND BOTTOM. WHERE 2 STRIPS OF NET ARE LAID SIDE BY SIDE, THE ADJACENT EDGES SHOULD BE OVERLAPPED 3 INCHES AND STAPLED TOGETHER. EACH STRIP OF MATTING SHOULD ALSO BE STAPLED DOWN THE CENTER, EVERY 3'. DO NOT STRETCH THE MAT WHEN APPLYING STAPLES.
4. TO JOIN TWO STRIPS, CUT A TRENCH TO ANCHOR THE END OF THE NEW MAT. OVERLAP THE END OF THE PREVIOUS ROLL 18" (SEE FIGURE 2), AND STAPLE EVERY 12" JUST BELOW THE ANCHOR SLOT.
5. INSPECT PERIODICALLY AND AFTER EACH RAINSTORM UNTIL VEGETATION IS COMPLETELY ESTABLISHED.
6. ERODED OR EXPOSED AREAS SHOULD BE SEEDED AND STABILIZED WITH MULCH AS QUICKLY AS POSSIBLE.



IN CHANNELS, ROLL OUT STRIPS OF NETTING PARALLEL TO THE DIRECTION OF FLOW.

NOTE:

CONTRACTOR SHALL APPLY THE APPROPRIATE GEORGIA DEPARTMENT OF TRANSPORTATION APPROVED EROSION CONTROL MATTING OR BLANKETS OR BONDED FIBER MATRIX TO ALL SLOPES STEEPER THAN 3:1.

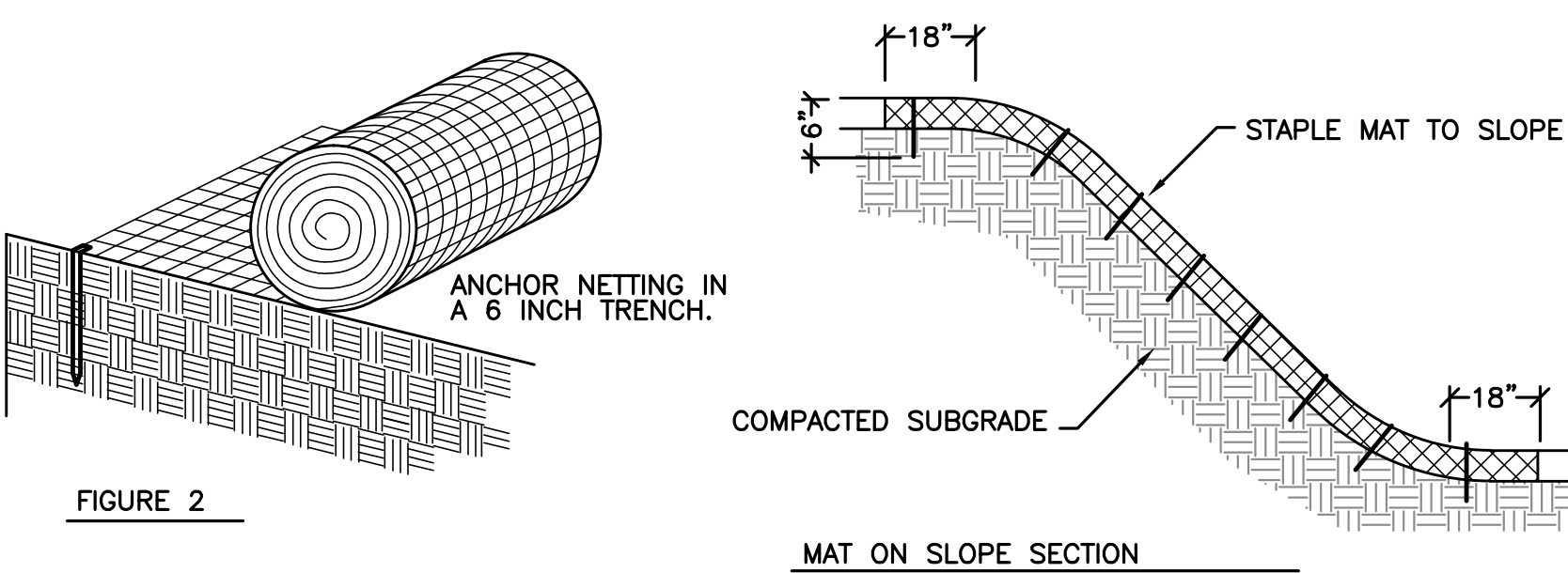
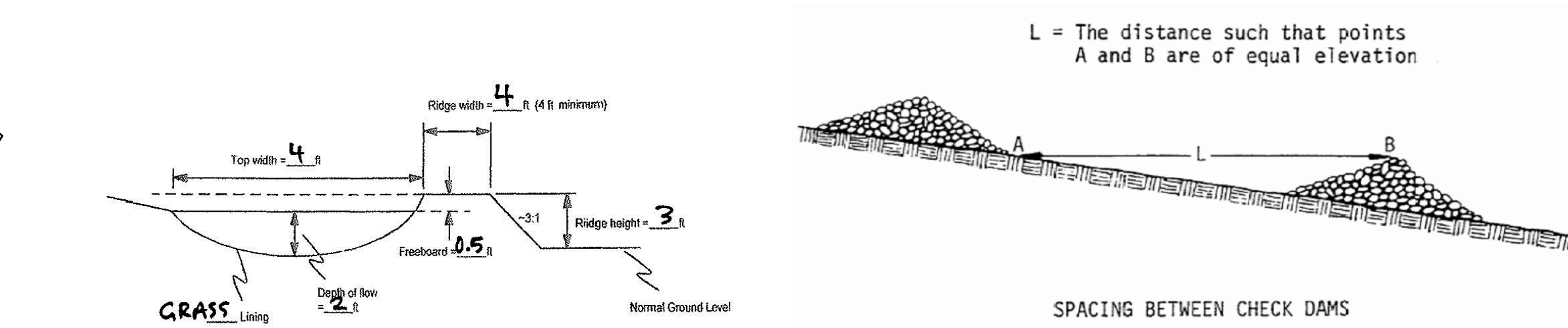


FIGURE 2

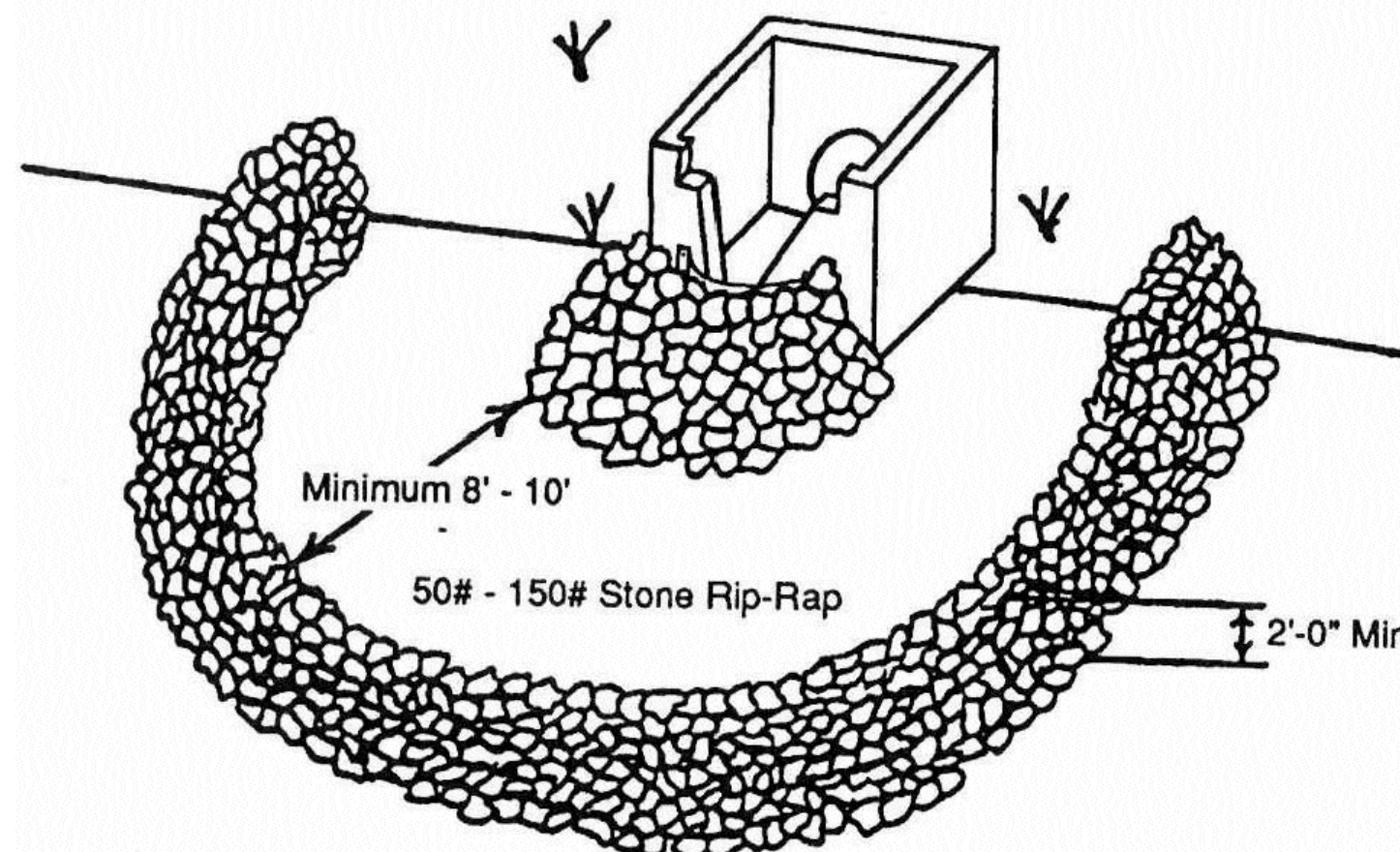
4 EROSION CONTROL MAT - Mb

NOT TO SCALE



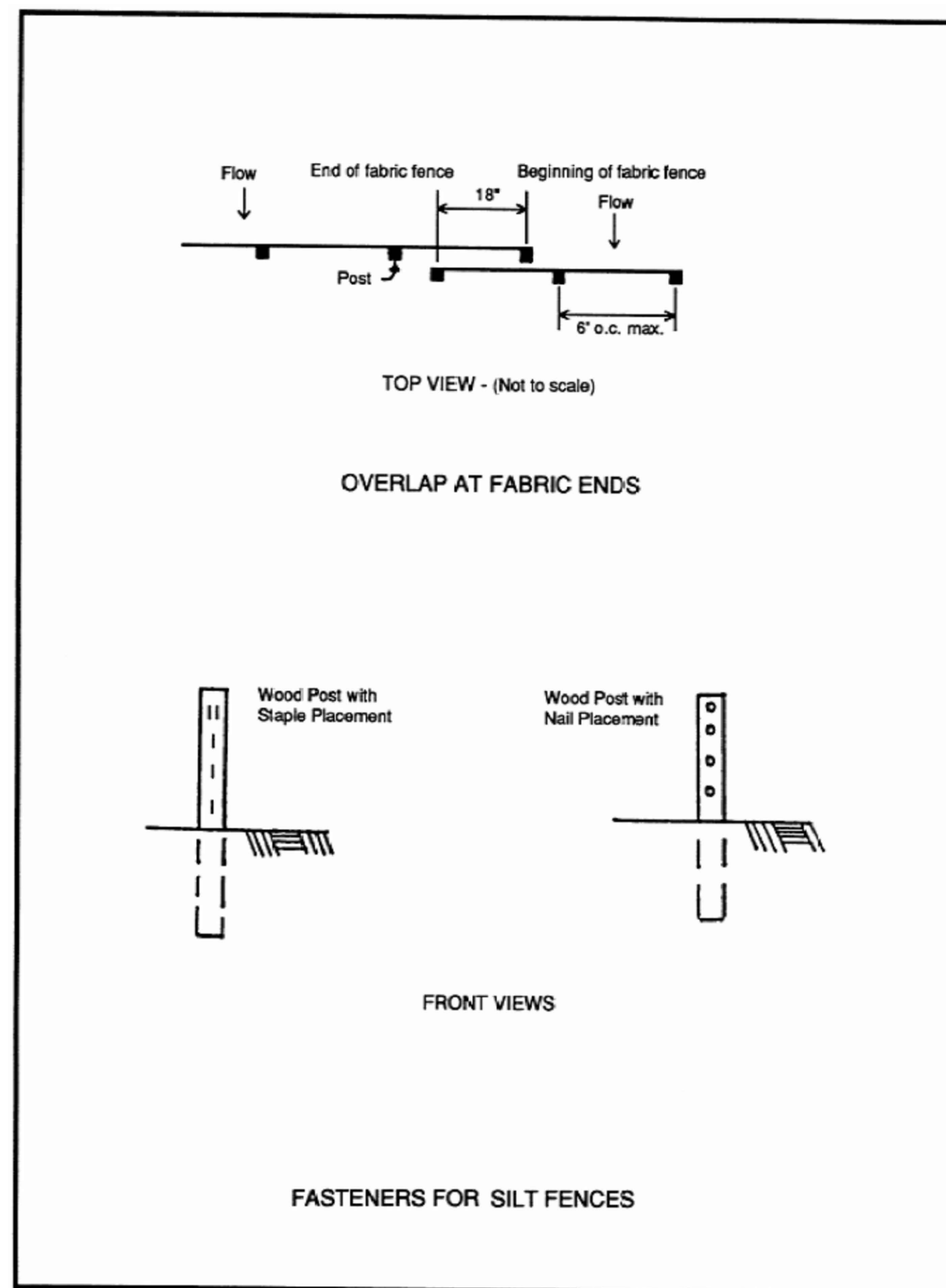
2 DIVERSION - Di

NOT TO SCALE

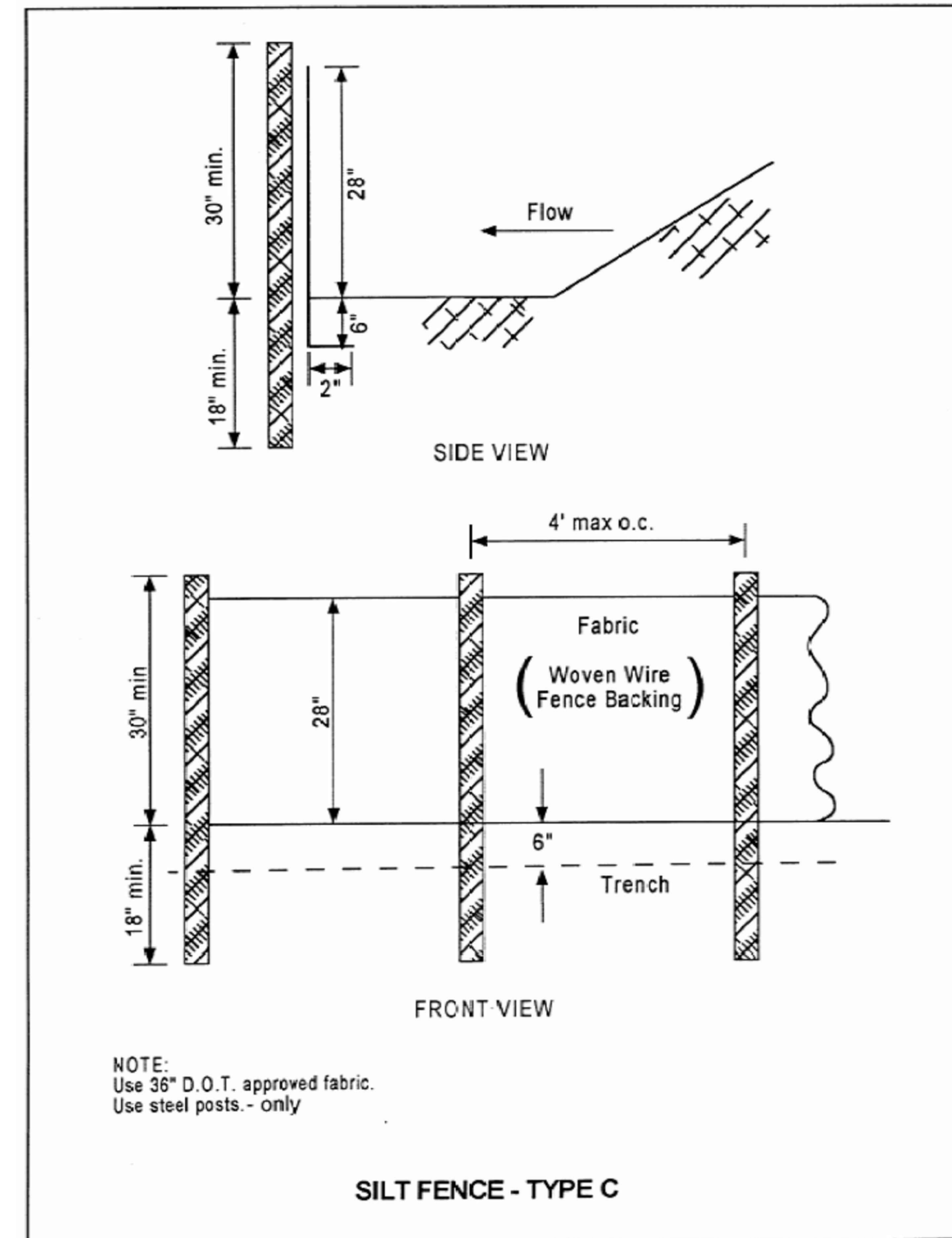


3 FILTER RING - Fr

NOT TO SCALE



FASTENERS FOR SILT FENCES



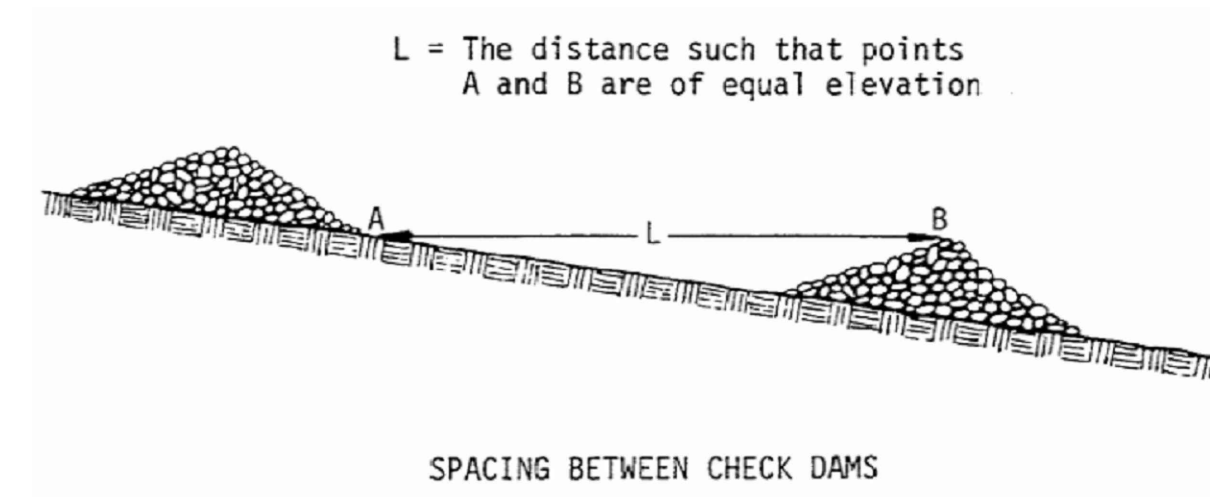
NOTE:
Use 36\"/>

SILT FENCE - TYPE C

CRITERIA FOR SILT FENCE PLACEMENT

Land Slope	Maximum Slope Length Above Fence
Percent	Feet
< 2	100
2 to 5	75
5 to 10	50
10 to 20	25
> 20	15

*In areas where the slope is greater than 20%, a flat area length of 13 feet between the toe of the slope to the fence should be provided.



L = The distance such that points A and B are of equal elevation

SPACING BETWEEN CHECK DAMS

6 CHECK DAM - Cd-S

NOT TO SCALE

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 TERRATAK 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.

7 DUST CONTROL - Du

TYPE FENCE	A	B	C
Tensile Strength (Lbs. Min.) (1) (ASTM D-4632)	Warp - 120 Fill - 100	Warp - 120 Fill - 100	Warp - 260 Fill - 180
Elongation (% Max.) (ASTM D-4632)	40	40	40
AOS (Apparent Opening Size) (Max. Sieve Size) (ASTM D-4751)	#30	#30	#30
Flow Rate (Gal/Min/Sq. Ft.) (GDT-87)	25	25	70
Ultraviolet Stability (2) (ASTM D-4632 after 300 hours weathering in accordance with ASTM D-4355)	80	80	80
Bursting Strength (PSI Min.) (ASTM D-3786 Diaphragm Bursting Strength Tester)	175	175	175
Minimum Fabric Width (Inches)	36	22	36

(1) Minimum roll average of five specimens.

(2) Percent of required initial minimum tensile strength.

POST SIZE
Table 6-20.3

Minimum Length	Type of Post	Size of Post
Type A 4'	Soft wood Oak Steel	3" dia. or 2x4 1.5" x 1.5" 1.3lb./ft. min.
Type B 3'	Soft wood Oak Steel	2" dia. or 2x2 1" x 1" .75lb./ft. min.
Type C 4'	Steel	1.3lb./ft. min.

FASTENERS FOR WOOD POSTS
Table 6-20.4

Gauge	Crown	Legs	Staples/Post
Wire Staples	17 min.	3/4" wide	1/2" long
Nails	14 min.	1"	3/4"

Note: Filter fabric may also be attached to the post by wire, cord, and pockets.



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LEVEL II CERTIFIED
DESIGN PROFESSIONAL
CERTIFICATION#14361

DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS

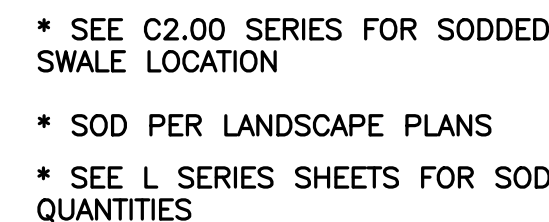
NO.	DATE	INITIAL BY	REQUESTED BY

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SHEET TITLE
DRAINAGE AND EROSION CONTROL DETAILS

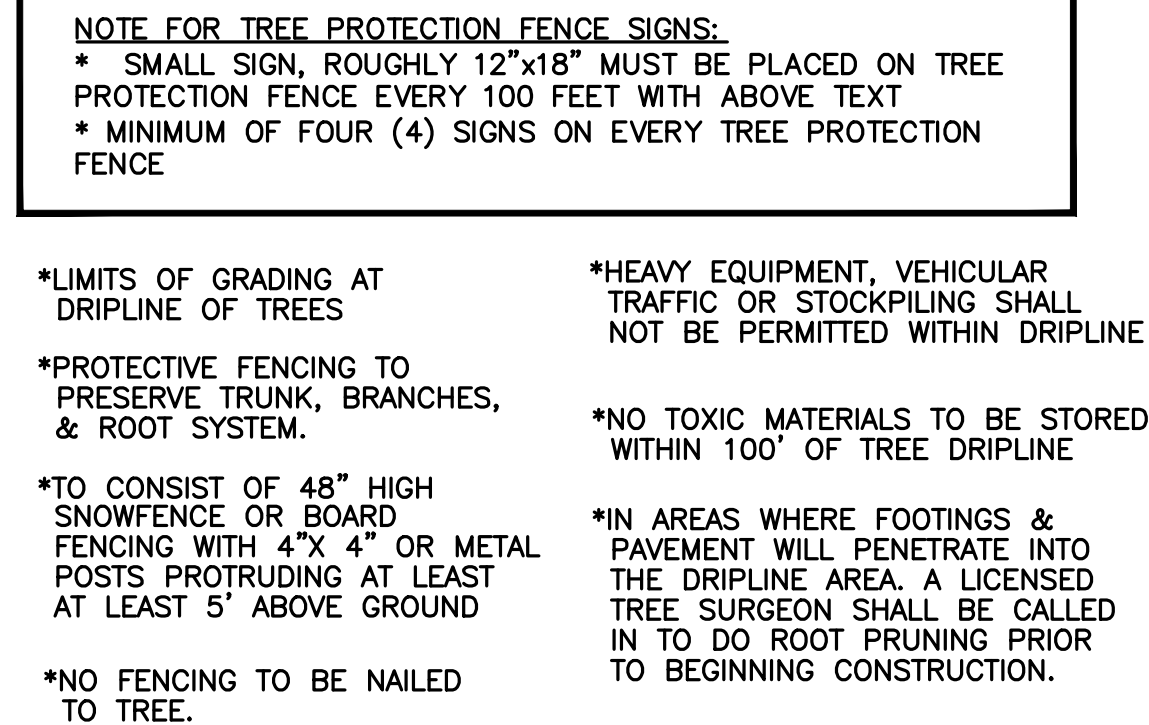
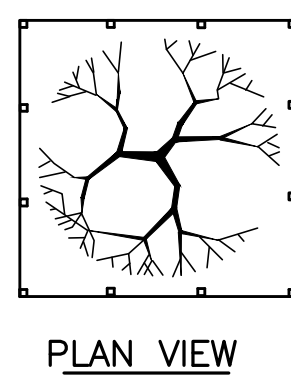
PROJECT NUMBER/DATE
12185-2 11/10/2014
DRAWN BY SCALE
STAFF CHECKED BY N/A
JUL SHEET NUMBER

C2.90



3) GRASSE
NOT TO SCALE

4 NOT USED
NOT TO SCALE



5 TREE PROTECTION FENCING
NOT TO SCALE

Outlet Structure	Drainage Area (AC)	Required Sediment Storage (CY)	Required Sediment Storage (CF)	Excavation Depth (FT)	Slope of Sides	Required Surface Area (SF)	Shape	Length (FT)	Width (FT)	Actual Surface Area (SF)
B-1	0.33	22.1	597	3.0	2.1	199	RECTANGULAR	20	10	199
B-2	0.47	31.5	850	3.0	2.1	283	RECTANGULAR	24	12	283
B-3	0.3	6.7	181	3.0	2.1	60	RECTANGULAR	11	5	60
B-4	0.1	26.8	724	3.0	2.1	241	RECTANGULAR	22	11	241
B-5	0.22	14.7	398	3.0	2.1	133	RECTANGULAR	16	8	133
B-6	0.23	15.4	416	3.0	2.1	139	RECTANGULAR	17	8	139
B-7	0.23	15.4	416	3.0	2.1	139	RECTANGULAR	17	8	139

6 DISTURBED AREA STABILIZATION

NOTES:
1. APPLY ACCORDING TO PLAN

NOTES:

1. APPLY ACCORDING TO PLAN
2. MARK VEGETATION TO BE RETAINED WITH FENCING OR HIGHLY VISIBLE MARKS (SEE C2.80 SERIES SHEETS)
3. SEE SECTION 12-7-6 OF E&SC LAW FOR MINIMUM STREAM BUFFER WIDTHS.

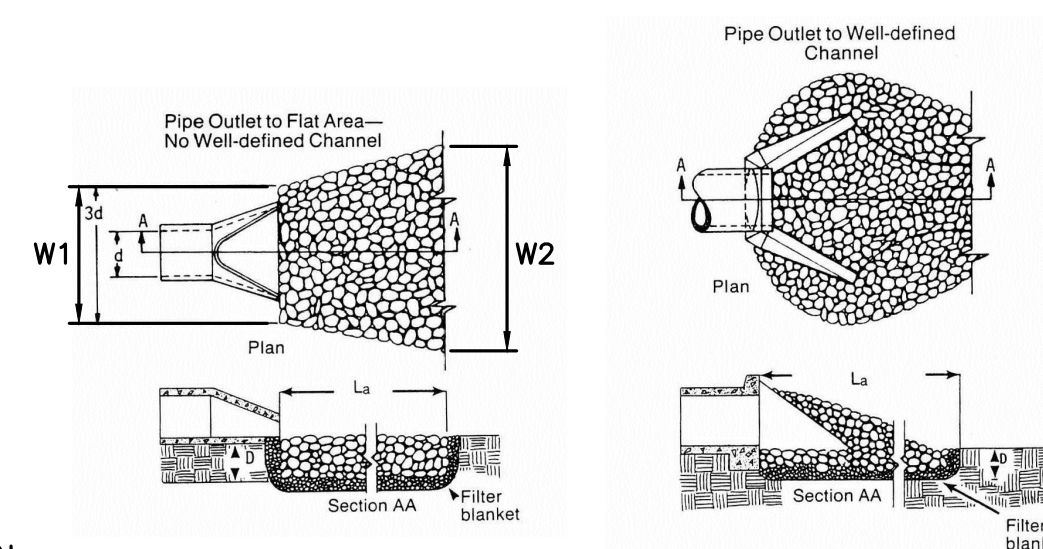
7 BUFFER ZONE – Bf

NOTES:

1. APPLY ACCORDING TO PLAN AND SPECIFICATIONS
2. TOPSOIL SHOULD BE FRIABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEED AND STONES AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH.
3. STRIPES 4" DEPTH OF 4 TO 6 INCHES IS COMMON AND SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA
4. STOCKPILES MAY BE VEGETATED AND SHOULD NOT OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
5. IF SUBSOIL IS COMPOSED OF HEAVY CLAYS, LIME SHALL BE SPREAD AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET.
6. SUBSOIL SHOULD BE LOOSENEED BY DISCING OR SCARIFYING TO A MINIMUM DEPTH OF 3 INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SUBSOIL. TRACKING BY A BULLDOZER IS ALSO ADEQUATE.
7. TOPSOIL SHOULD BE APPLIED AT A UNIFORM DEPTH OF 5 INCHES (UNSETTLED), BUT MAY BE ADJUSTED AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.

8 TOPSOILING – Topsoiling

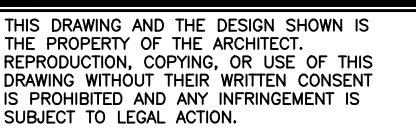
OUTLET RIP-RAP PAD CALCULATIONS															
PROJECT: Dunwoody Multi-Use Trail P III			RAINFALL DATA:			City of Dunwoody, GA									
PROJECT #: 12185-2			DESIGN STORM =			25 year									
Outlet Structure	Pipe Dia. (in)	Discharge (cfs)	Capacity (cfs)	Depth (in)	Manning's n	Pipe Slope (%)	Velocity (ft/s)	Froude Number	D ₅₀ (in)	L ₅₀ (Min TW) (ft)	W ₁ (ft)	W ₂ (ft)	D _{max} (in)	Thickness (in)	Other
A-2	18	2.70	18.80	4.51	0.012	2.76%	2.80	0.80	6	9	5	11	9	14	NONE
B-8	18	19.90	24.40	12.47	0.012	1.00%	9.70	1.68	6	32	5	34	9	14	NONE



NOTES:

1. Lq IS THE LENGTH OF THE RIPRAP APRON.
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP TO 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 SOIL FOUNDATION.

9 STORM DRAIN OUTLET PROTECTION
NOT TO SCALE



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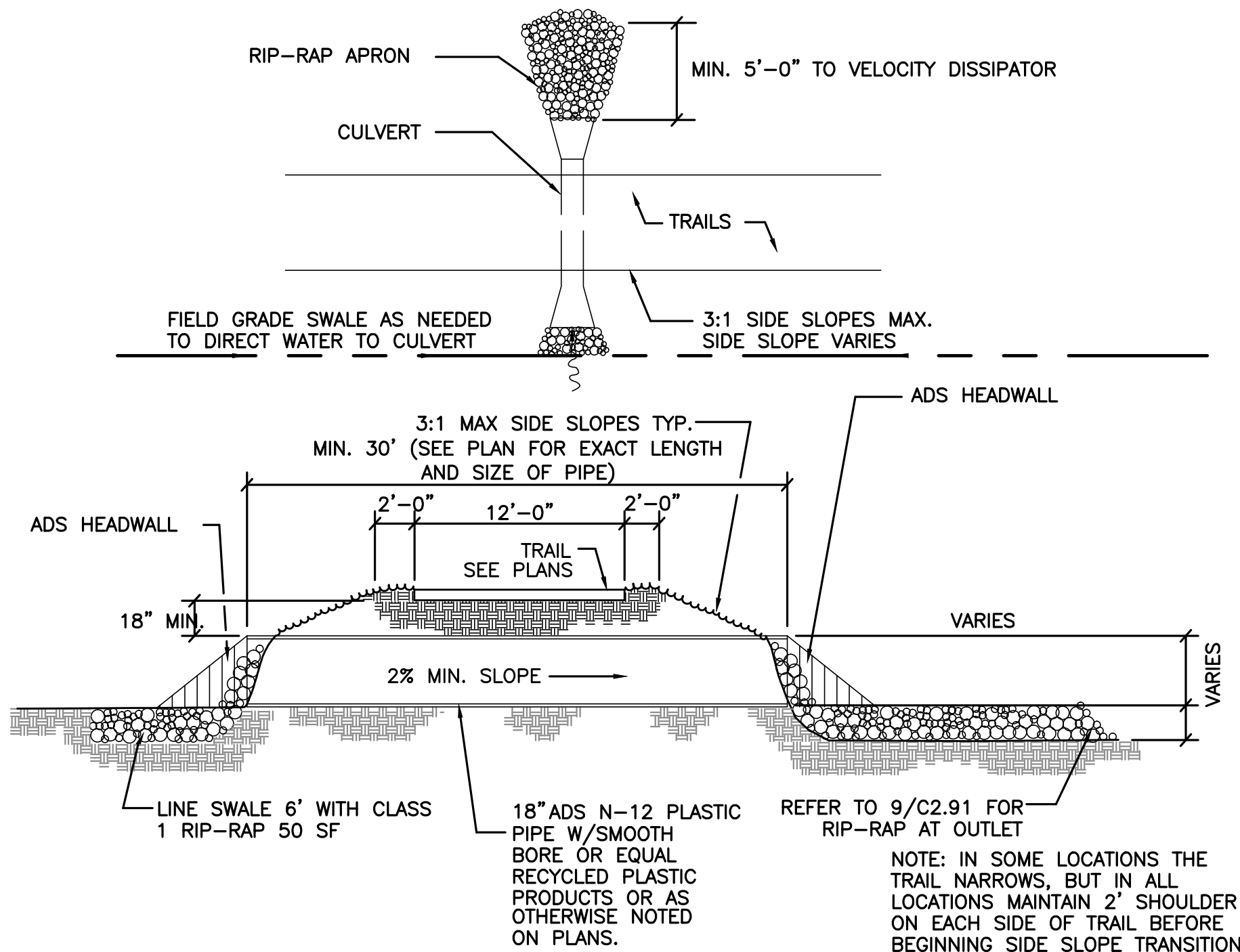
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**DRAINAGE AND
EROSION CONTROL
DETAILS**

PROJECT NUMBER	DATE
12185-2	11/10/2014
DRAWN BY	SCALE
STAFF	N/A
CHECKED BY	
UN	
SHEET NUMBER	

C2.91



1 TYPICAL TRAIL CROSS DRAIN

NOT TO SCALE

Disturbed Area Stabilization (With Mulching Only)



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 an 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 grades or cleared areas where seedlings 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. *Cutback asphalt* (slow curing) shall be applied at 1200 gallons per acre (or 1/4 gallon per sq. yd.).
4. *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. *Cutback asphalt* shall be applied uniformly. Care should be taken in areas of pedestrian traffic due to problems of "tracking in" or damage to shoes, clothing, etc.

4. 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 with emulsified asphalt (Grade AE-5 or SS-1). The asphalt emulsion shall be sprayed onto the mulch as it is ejected from the machine. Use 100 gallons of emulsified asphalt and 100 gallons of water per ton of mulch. Tackifiers and binders can be substituted for emulsified asphalt. Please refer to specification **Tb - Tackifiers and Binders**. 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.

Major Land Resource Areas (MLRA) of Georgia

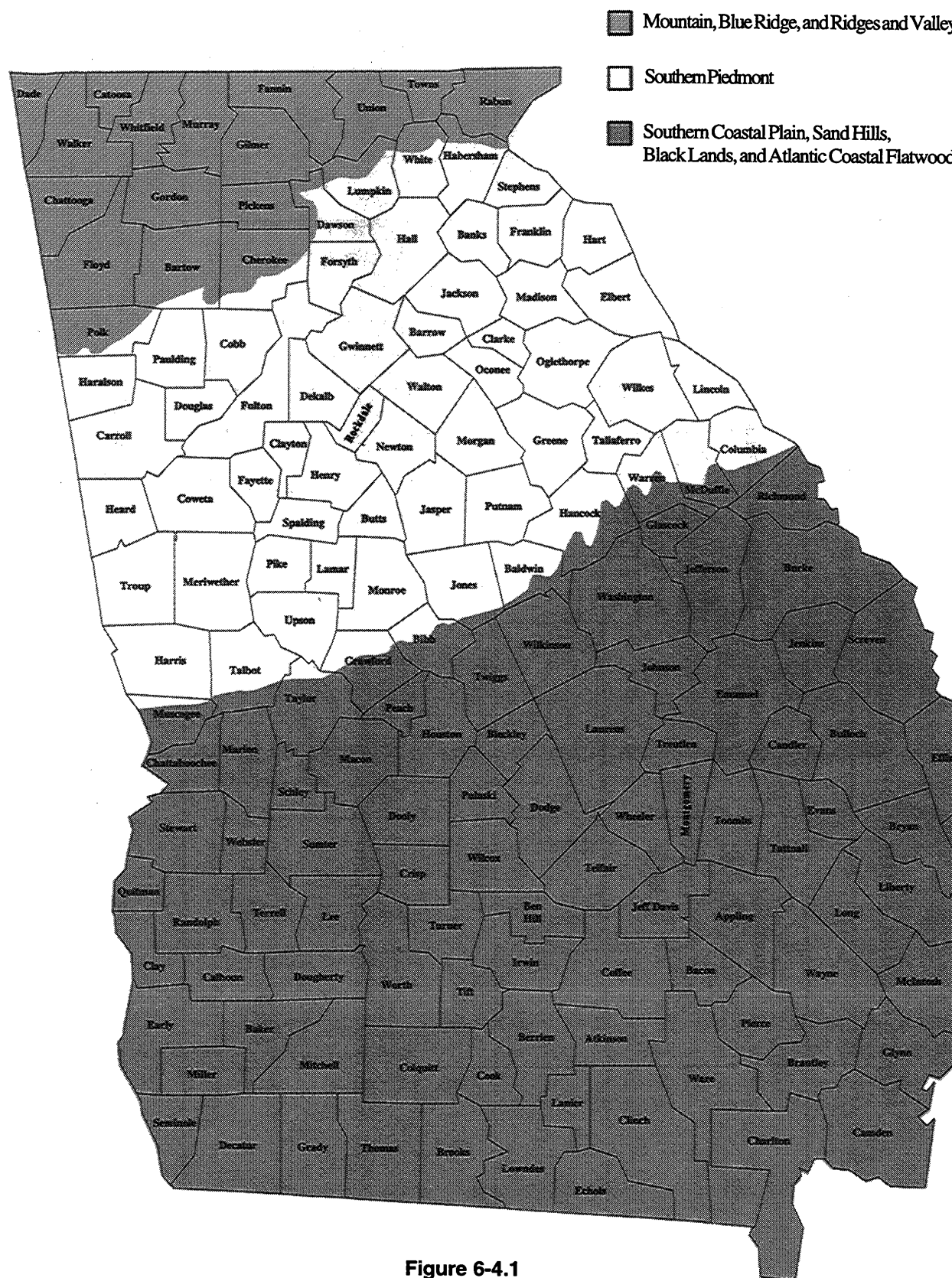


Figure 6-4.1

3 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

Ds2

NOTE: APPLICATION RATES SHOWN ARE MINIMUMS. OTHER PLANS MAY HAVE HIGHER APPLICATION RATES. IF DISCREPANCIES OCCUR, USE HIGHER APPLICATION RATE.

Species	Broadcast Rates 2/ - PLS 3/ Per Acre Per 1000 sq. ft.	Resource Area 4/	Planting Dates by Resource Areas Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
BARLEY (Hordeum vulgare)	3 bu. (144 lbs.) 1/2 bu. (24 lbs.)	M-L P C	J F M A M J J A S O N D	14,000 seed per pound. Winterhardy. Use on productive soils.
LESPEDEZA, ANNUAL (Lespedeza striata)	40 lbs. 10 lbs.	M-L P C	J F M A M J J A S O N D	200,000 seed per pound. May volunteer for several years. Use inoculant EL.
LOVEGRASS, WEEPING (Eragrostis curvula)	4 lbs. 2 lbs.	M-L P C	J F M A M J J A S O N D	1,500,000 seed per pound. May last for several years. Mix with Sericea lespedeza.
MILLET, BROWNTOP (Panicum fasciculatum)	40 lbs. 10 lbs.	M-L P C	J F M A M J J A S O N D	137,000 seed per pound. Quick dense cover. Will provide too much competition in mixtures if seeded at high rates.

Species	Broadcast Rates 2/ - PLS 3/ Per Acre Per 1000 sq. ft.	Resource Area 4/	Planting Dates by Resource Areas Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
MILLET, PEARL (Pennisetum glaucum)	50 lbs. 1.1 lb	M-L P C	J F M A M J J A S O N D	88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS (Avena sativa)	4 bu. (128 lbs.) 1 bu. (32 lbs.)	M-L P C	J F M A M J J A S O N D	13,000 seed per pound. Use on productive soils. Not as winterhardy as rye or barley.
RYE (Secale cereale)	3 bu. (168 lbs.) 1/2 bu. (28 lbs.)	M-L P C	J F M A M J J A S O N D	18,000 seed per pound. Quick cover. Drought tolerant and winterhardy.
RYEGRASS, ANNUAL (Lolium temulentum)	40 lbs. 0.9 lb.	M-L P C	J F M A M J J A S O N D	227,000 seed per pound. Dense cover. Very competitive and is <u>not</u> to be used in mixtures.
SUDANGRASS (Sorghum sudanese)	60 lbs. 1.4 lb	M-L P C	J F M A M J J A S O N D	55,000 seed per pound. Good on droughty sites. <u>Not</u> recommended for mixtures.

Species	Broadcast Rates 2/ - PLS 3/ Per Acre Per 1000 sq. ft.	Resource Area 4/	Planting Dates by Resource Areas Planting Dates (Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.)	Remarks
TRITICALE (X-Triticosecale)	3 bu. (144 lbs.) 1/2 bu. (24 lbs.)	C	J F M A M J J A S O N D	Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
WHEAT (Triticum aestivum)	3 bu. (180 lbs.) 1/2 bu. (30 lbs.)	M-L P C	J F M A M J J A S O N D	15,000 seed per pound. Winterhardy.

- 1/ Temporary cover crops are very competitive and will crown out perennials if seeded too heavily.
2/ Reduce seeding rates by 50% when filled.
3/ PLS is an abbreviation for Pure Live Seed.
4/ 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).

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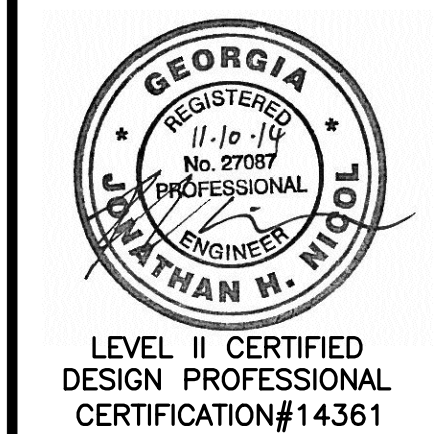
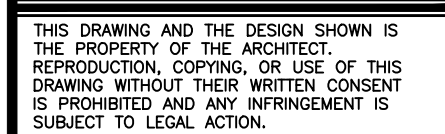
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SHEET TITLE
DRAINAGE AND EROSION CONTROL DETAILS

PROJECT NUMBER/DATE
12185-2 11/10/2014
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STAFF
CHECKED BY
JN
SHEET NUMBER
C2.92

Ds1

2 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)



DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19TH DISTRICT PIN: 18-354-01-005,
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THE CITY OF DUNWOODY, GEORGIA

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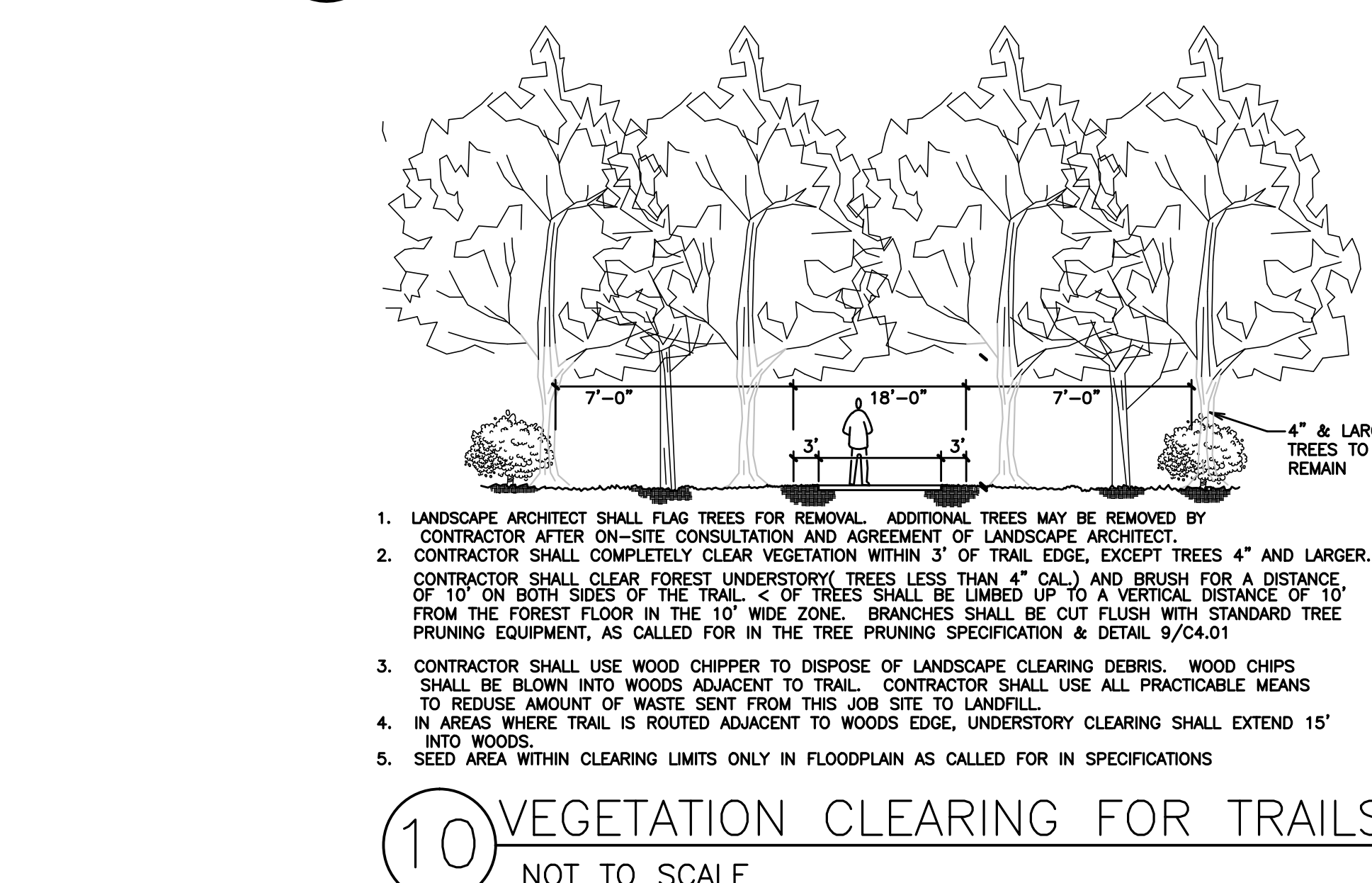
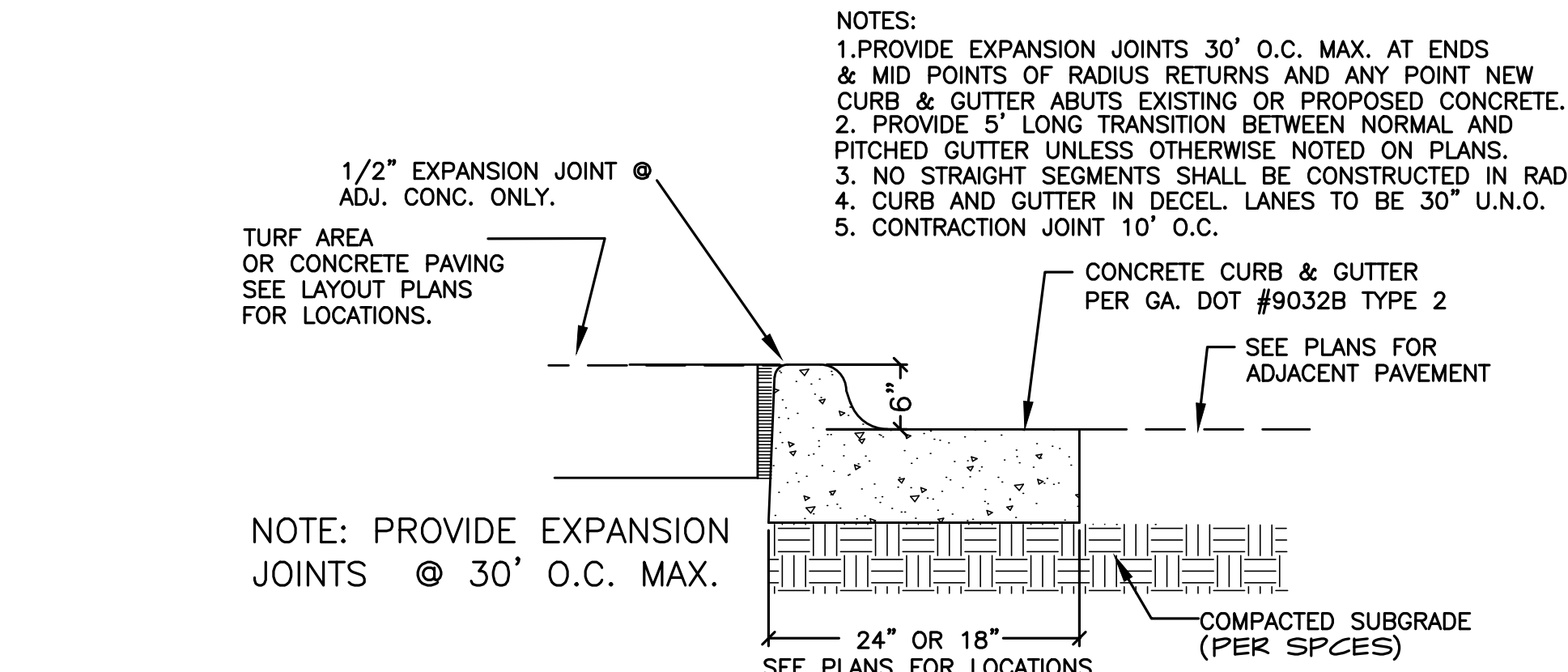
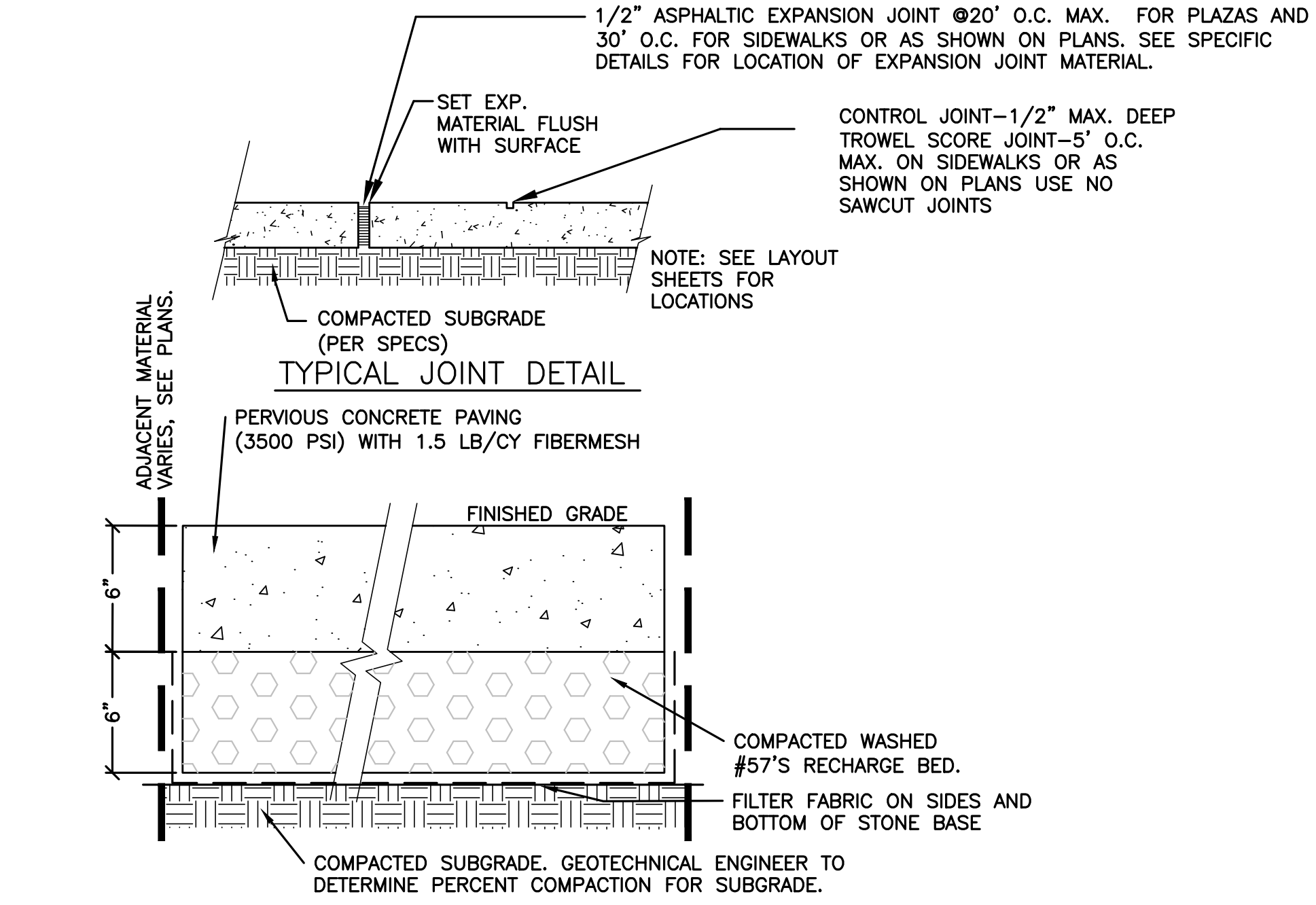
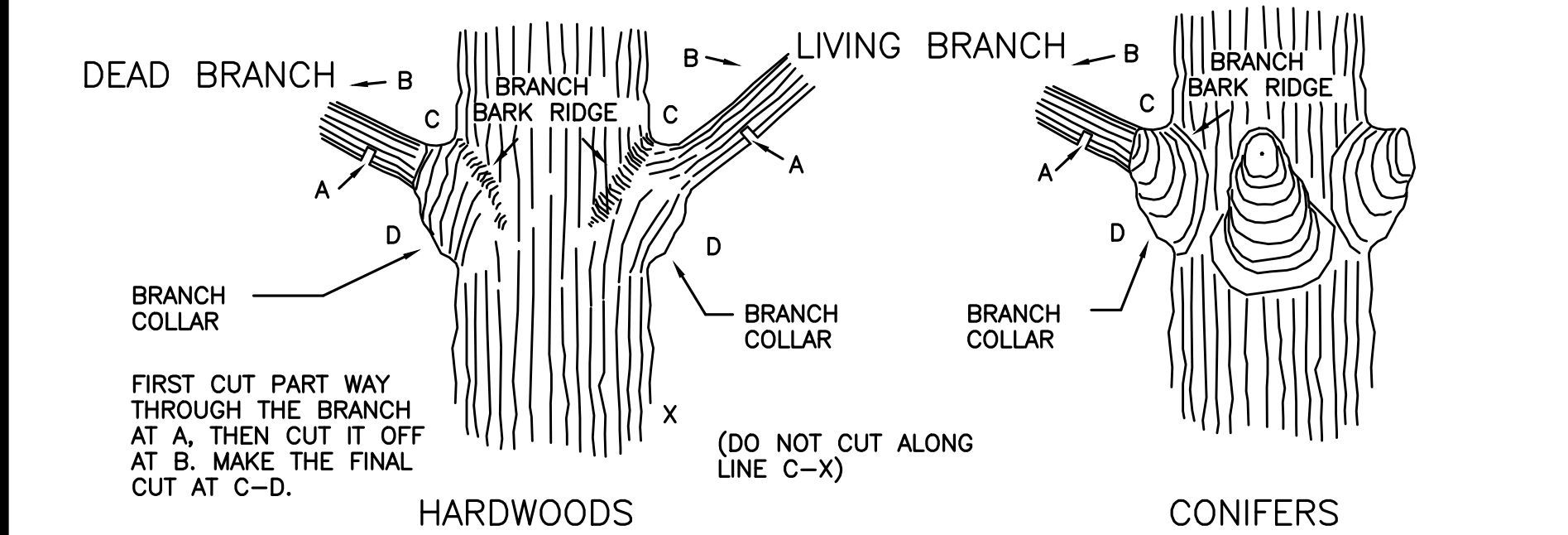
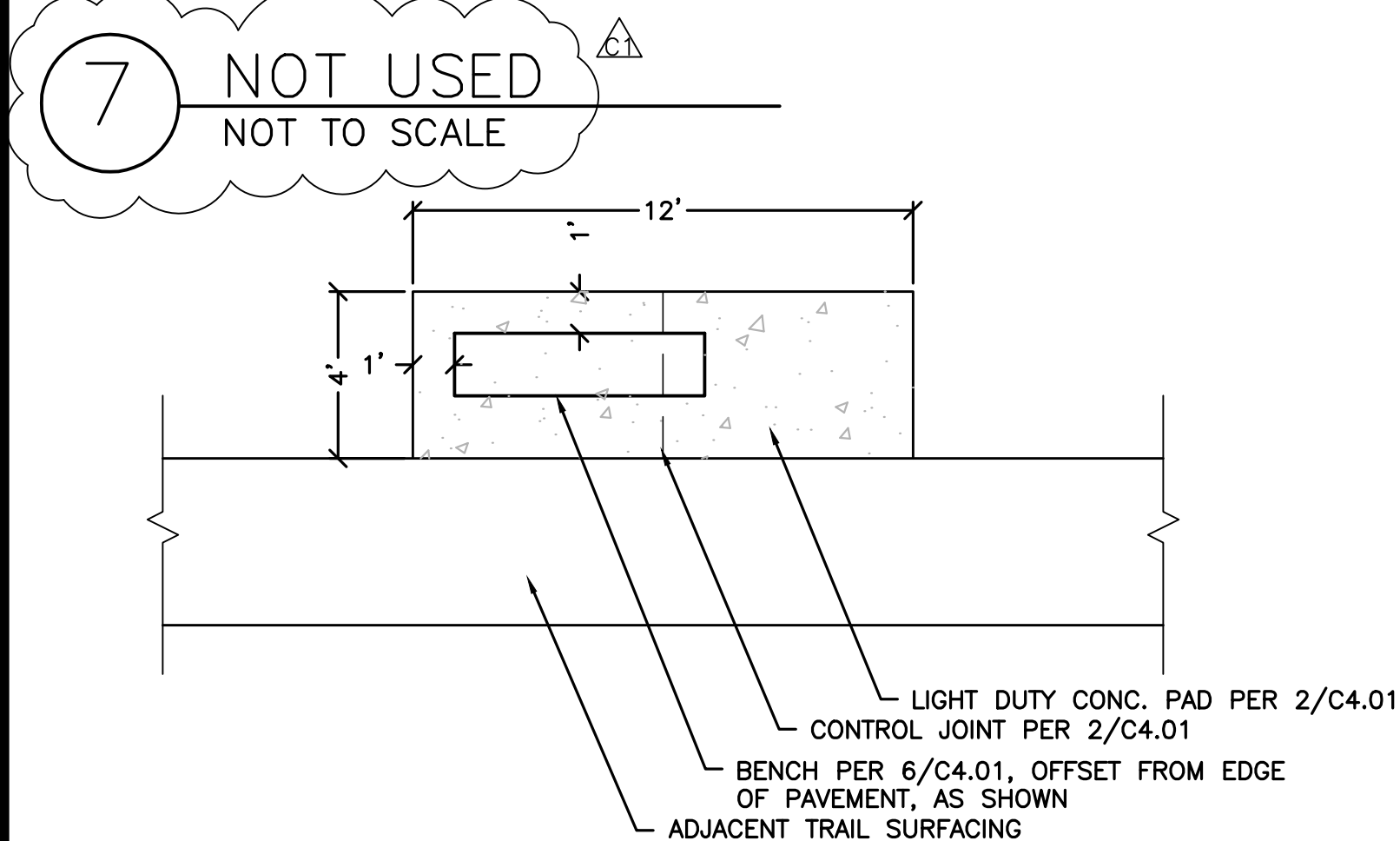
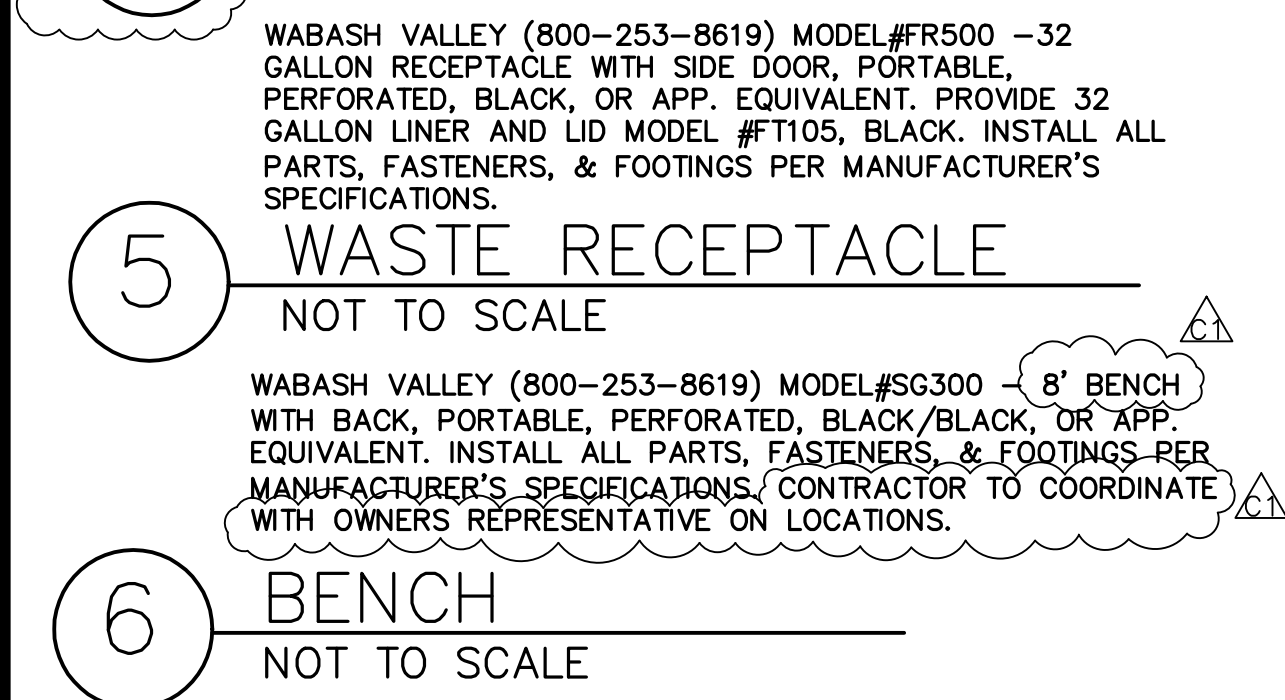
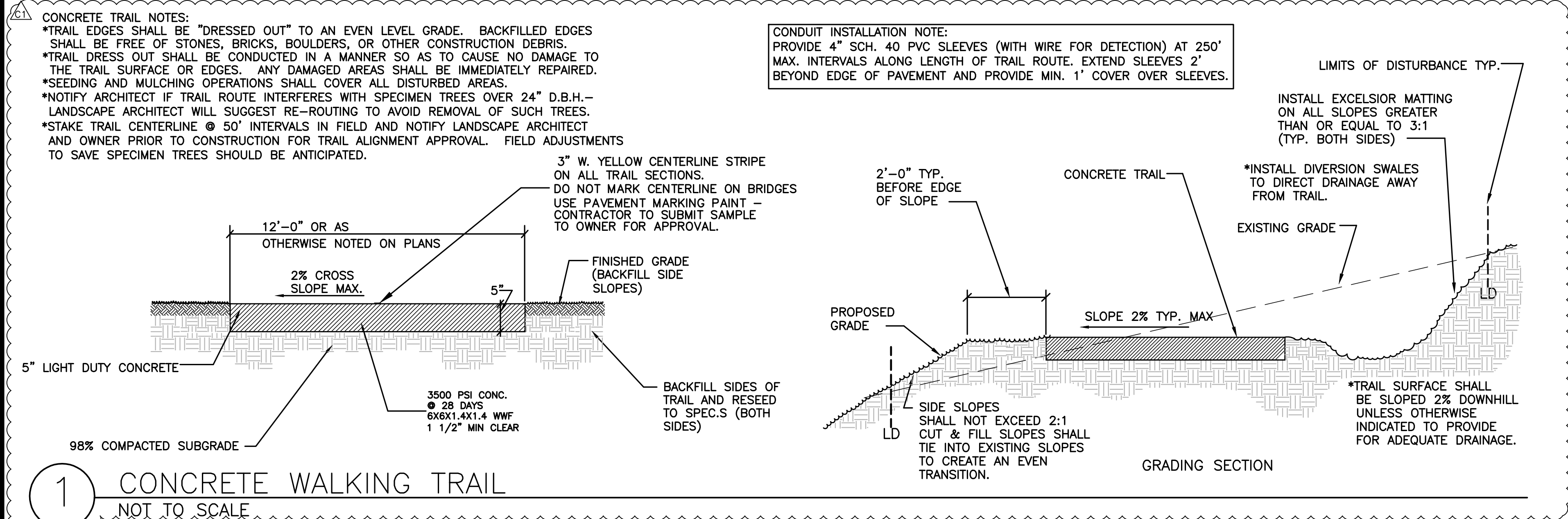
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DETAILS**

PROJECT NUMBER	DATE
12185-2	11/10/2014
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JN	
SHEET NUMBER	

C2.94



LOSE & ASSOCIATES, INC.
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 (615) 242-0040
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THE CITY OF DUNWOODY, GEORGIA

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SITE DETAILS

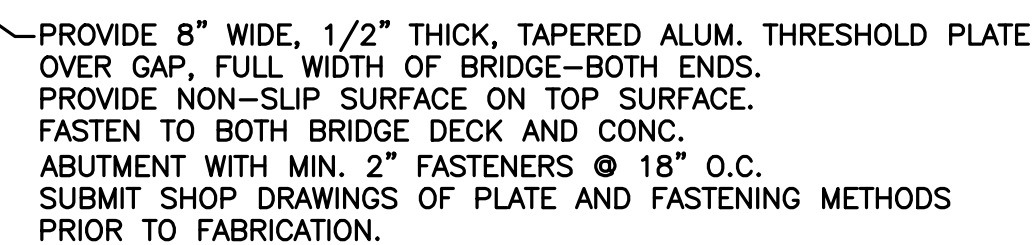
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STAFF	N/A

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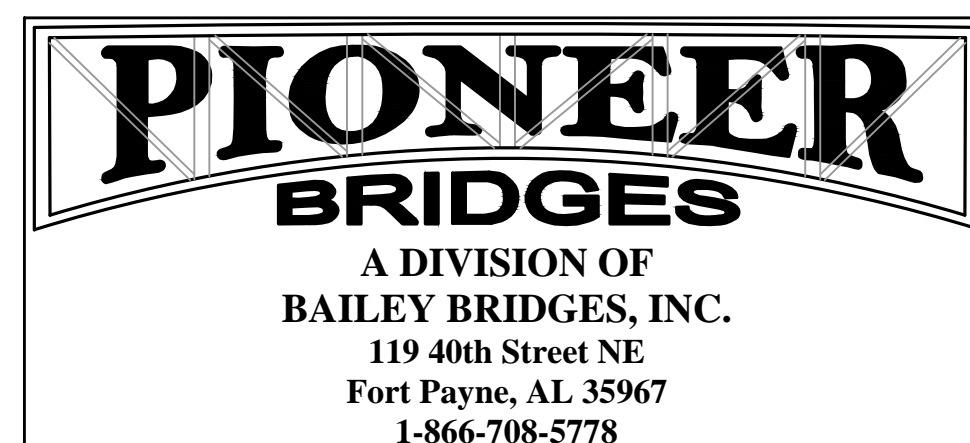
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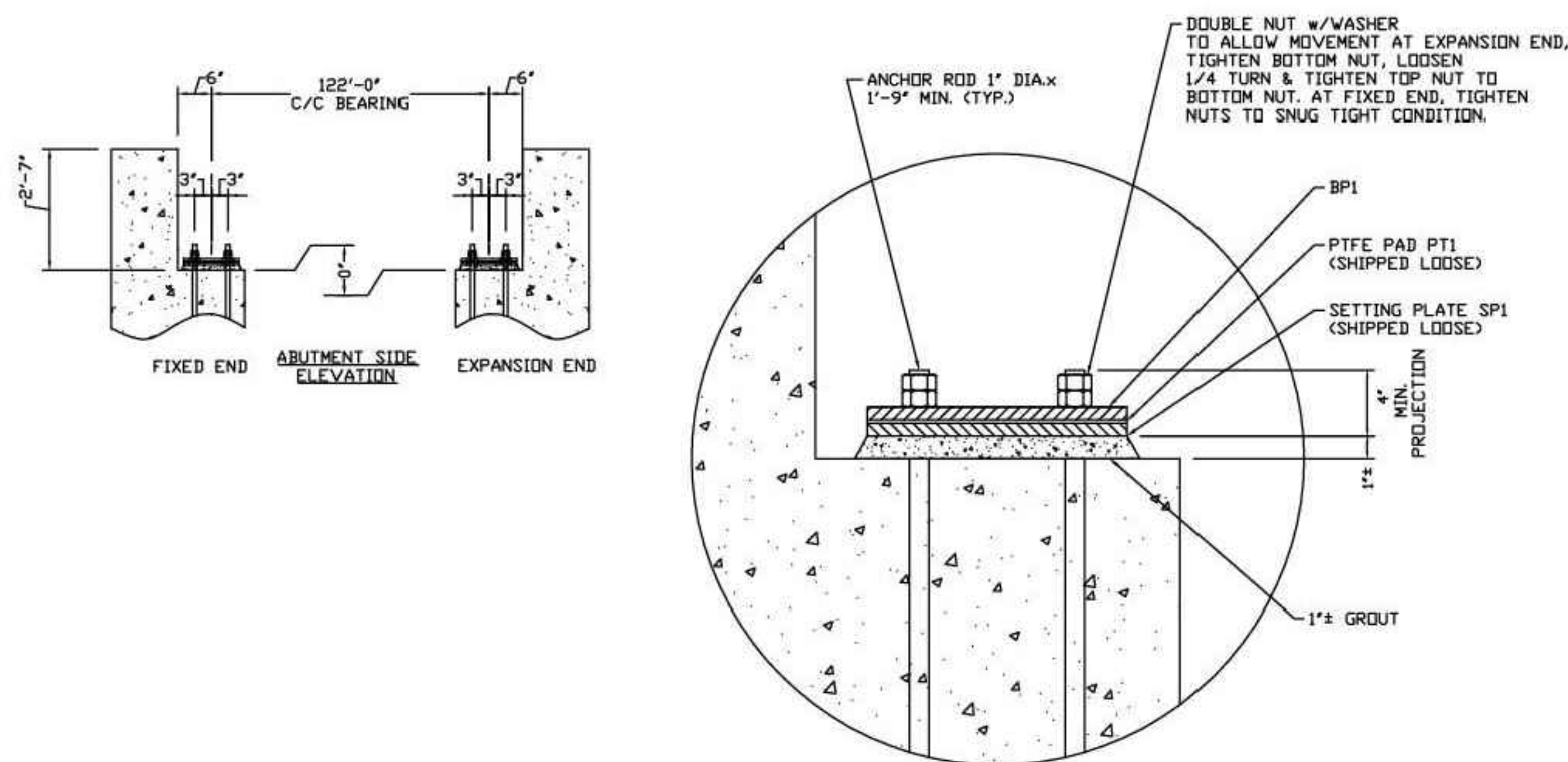


NOTE: BRIDGE & ABUTMENT/FOUNDATION SHOWN FOR REFERENCE PURPOSES ONLY. DEPENDING ON WHICH BRIDGE MANUFACTURER IS SUBMITTED, ABUTMENT AND FOUNDATION REQUIREMENTS MAY DIFFER. CONTRACTOR IS RESPONSIBLE FOR ABUTMENT, FOUNDATION, AND WINGWALL DESIGN TO ACCOMMODATE EACH BRIDGE AT EACH SPECIFIC SITE LOCATION. FIELD MEASUREMENTS WILL BE REQUIRED AND A CUSTOM DESIGNED ABUTMENT/WINGWALL/FOUNDATION WILL BE REQUIRED FOR EACH INSTANCE TO MEET PLAN INTENTIONS.

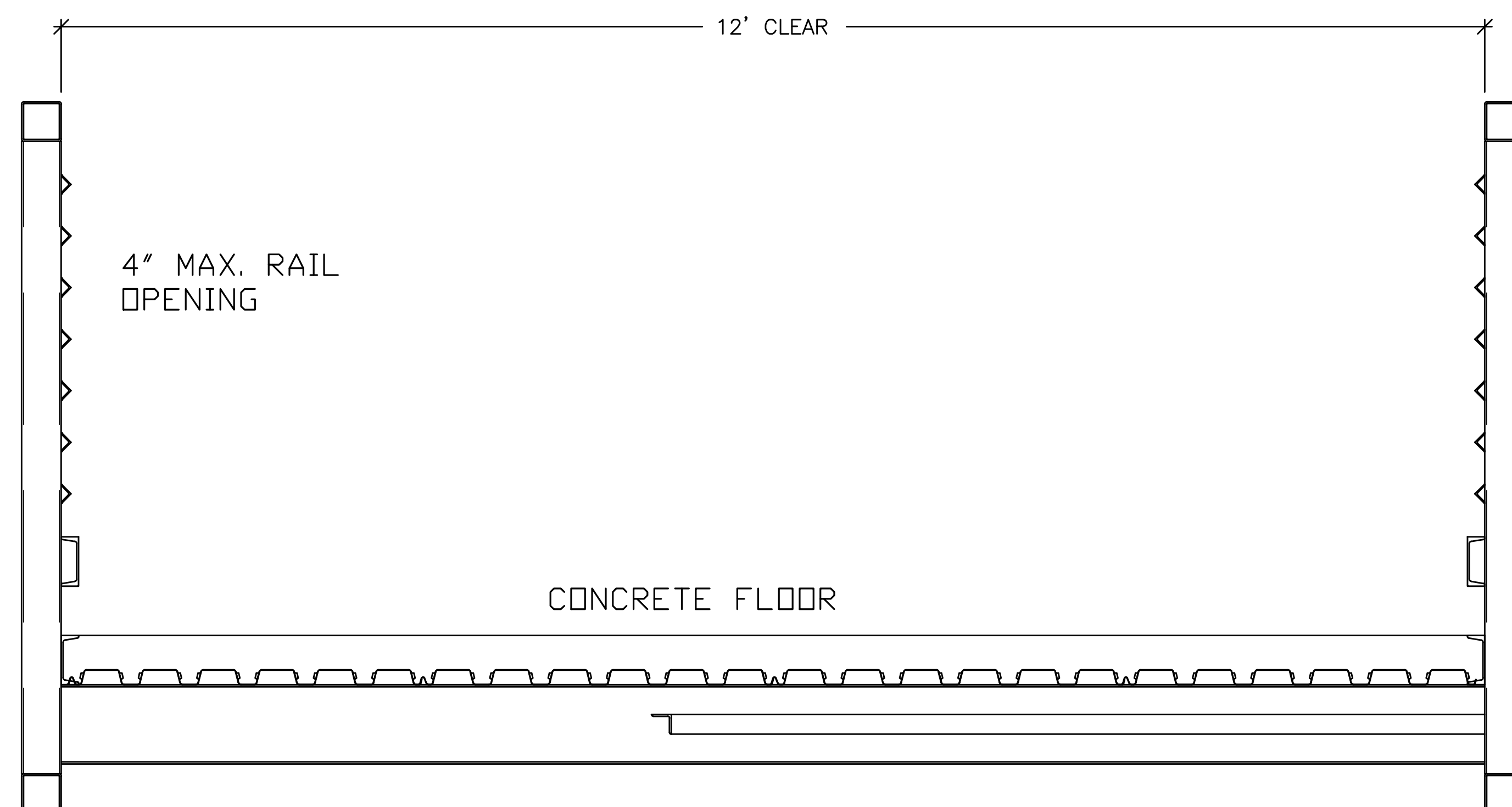
THE CONTRACTOR IS REQUIRED TO SUBMIT SHOP DRAWINGS OF ALL BRIDGE COMPONENTS, ABUTMENTS, WINGWALLS & FOUNDATIONS REQUIRED SEALED BY AN ENGINEER LICENSED IN THE STATE OF GEORGIA, RECEIVE OWNER APPROVAL, SUBMIT DESIGNS TO PERMIT AGENCIES IF REQUIRED BY LOCAL ORDINANCE, AND ACQUIRE ALL NECESSARY PERMITS FOR CONSTRUCTION, PRIOR TO ORDERING, FABRICATION, CONSTRUCTION, ETC. DESIGN OF THE BRIDGE FOUNDATION IS TO BE PERFORMED BY THE CONTRACTOR AND SUBMITTED ALONG WITH THE BRIDGE PLANS FOR PERMITTING.



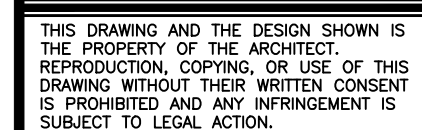
BACKWALL MAY BE PLACED
AFTER SUPERSTRUCTURE IS
IN PLACE



TYPICAL ABUTMENT CROSS SECTION
ABUTMENT TO BE DESIGNED BY OTHERS



BRIDGE CROSS
SECTION



DUNWOODY
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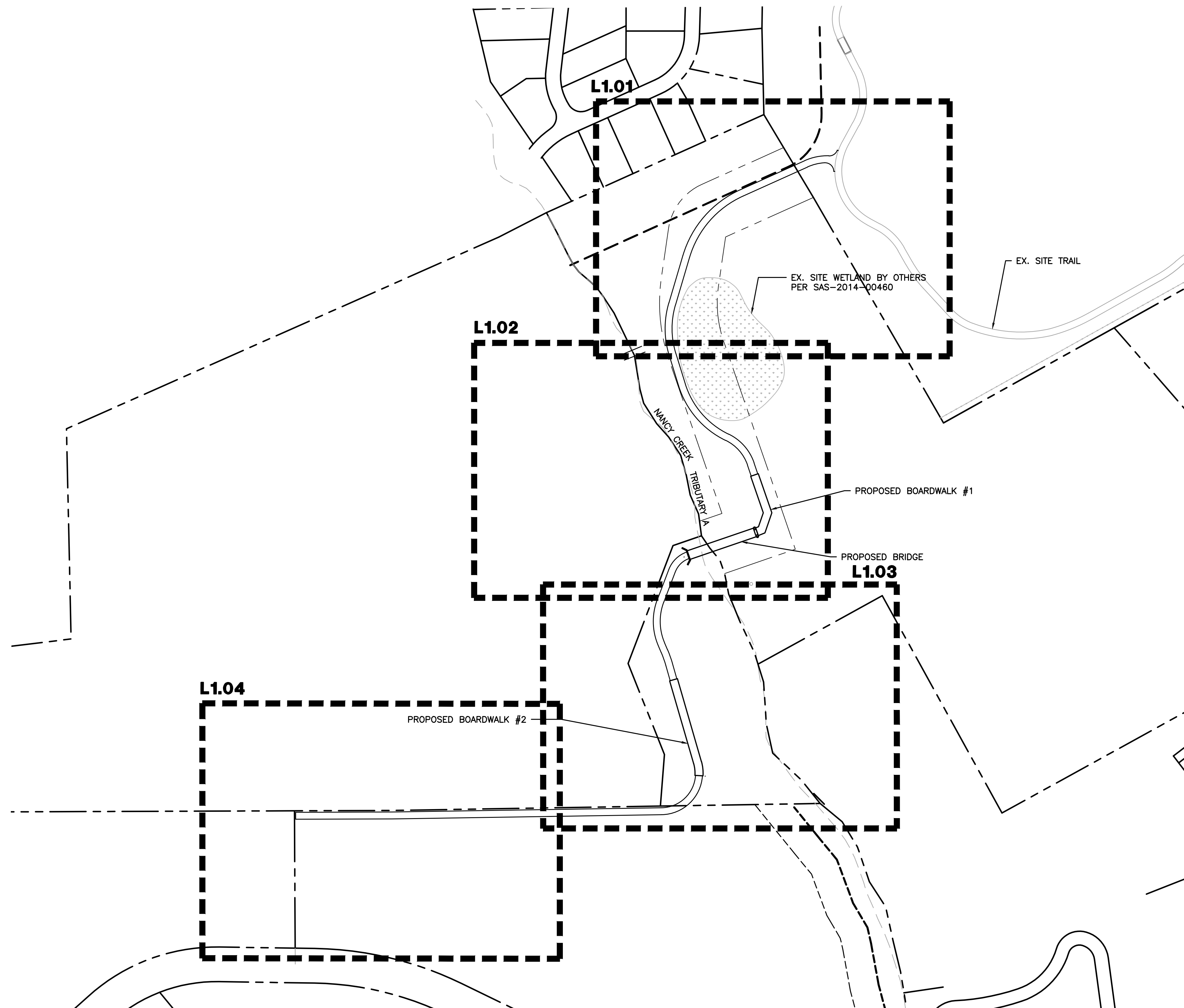
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PROJECT NUMBER	DATE
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DRAWN BY	SCALE
STAFF	N/A
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SHEET NUMBER	

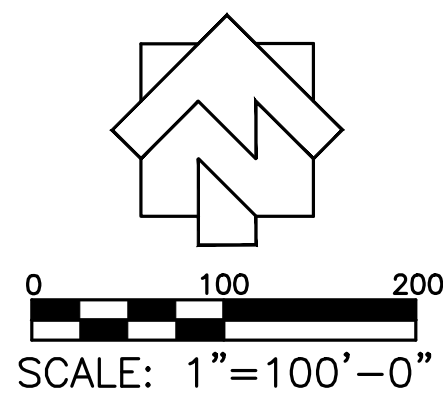
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PLANT SCHEDULE

QUANTITY	ID	Botanical Name	Common name	UNIT	Ht.	Root	Comments
ALL DISTURBED	FES RE2	Festuca arundinacea 'Rebel II'	Rebel Tall Fescue	S.F.	N/A	HYDROSEED	Certified Georgia seed @ 300 lbs./acre
7079	FES RE2	Festuca arundinacea 'Rebel II'	Rebel Tall Fescue	S.F.	N/A	SOD	Certified Georgia blue tag sod Cut in large rolls per specification



TOPOGRAPHY OUTSIDE OF SURVEY
LIMITS PROVIDED BY CITY OF
DUNWOODY GIS DEPARTMENT, FOR
REFERENCE ONLY



1. UNDERGROUND UTILITIES:
A. UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED BY THE OWNER, LANDSCAPE ARCHITECT, OR THEIR REPRESENTATIVES. BEFORE YOU DIG SHALL UTILITIES PROTECTION CENTER (1-800-283-7411).
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 IMMEDIATELY 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.

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 FOUR INCH DEEP REDDIT 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 PLANTING AREAS TO BE FERTILIZED WITH GRASS 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 AMERICA 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-DESICCATANT IF FOLIAGE IS PRESENT.
11. EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIAL IS PLANTED.
12. DO NOT RUINE 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. MATERIALS NOT INSPECTED AT THE SITE OR FOR WHICH THERE IS NO INSPECTION 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 IMMEDIATELY (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 PLANT LIST. IF DISCREPANCIES OCCUR, LANDSCAPE CONTRACTOR IS TO CONTACT THE LANDSCAPE ARCHITECT IMMEDIATELY. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE.
19. MULTI-TRUNK PLANT MATERIAL SHALL BE ONE PLANT GROWN FROM SINGLE SEEDLING. NO CLUMP MULTI-PLANT STOCK WILL BE ACCEPTED.
20. 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.
21. SEE PLANT LIST FOR FURTHER INFO.
22. TOPPING TREES IS NOT ALLOWED. TREES REMOVED OR HAVING THEIR TOPS CUT AFTER COMPLIANCE WITH THIS ORDINANCE SHALL BE REPLACED WITH THE EQUIVALENT INCHES OF THE REMOVED TOP.
23. ALL BUFFERS AND TREE SAVE AREAS ARE TO BE CLEARLY IDENTIFIED WITH PROTECTIVE FENCING PRIOR TO COMMENCEMENT OF AND LAND DISTURBANCE.

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 SPARSITY OF TREES 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.
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 DESIGNED 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, OR PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY FOR THAT PHASE, OR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION FOR THAT PHASE. CONTACT THE CITY OF DUNWOODY AT 678-382-6800 FOR SITE INSPECTION UPON COMPLETION OF LANDSCAPE INSTALLATION.



DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

[illegible]

ISSUED FOR BID 02/25/2015

SHEET TITLE

LANDSCAPE PLAN SHEETS KEY

PROJECT NUMBER	DATE
12185-2	11/10/2014
DRAWN BY	SCALE
STAFF	1"= 100'-0"
CHECKED BY	
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L1.00



S DRAWING AND THE DESIGN SHOWN IS



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DATE	INITIAL	REQUESTED
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<p>QUER FOR BID 00/05/2015</p>			

HEET TITLE

LANDSCAPE PLAN

1000

PROJECT NUMBER	DATE
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SEE NUMBER	

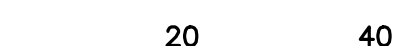
L1.01

MATCH INFO 11 02

Diagram illustrating symbols for site preparation and tree management:

- CRITICAL ROOT ZONE (CRZ):** Represented by a dashed circle.
- APPROXIMATE LIMITS OF DISTURBANCE (ALD):** Represented by a solid horizontal line with short vertical dashes at each end.
- AREA TO RECEIVE SOD:** Represented by a square filled with a cross-hatch pattern.
- EXISTING TREE TO BE REMOVED:** Represented by a large 'X' symbol.

-



Enrich



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(770) 338-0017

[illegible]

18-

4101010

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HEET TITLE

LANDSCAPE PLAN

[illegible][illegible]

2185-2 | 11/10/2014

1'- 20'-0"

PROJECT NUMBER	
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103

The diagram illustrates four symbols used in site plans:

- CRITICAL ROOT ZONE (CRZ):** Represented by a dashed circle.
- APPROXIMATE LIMITS OF DISTURBANCE (ALD):** Represented by a solid line with the letters "LD" in the center.
- AREA TO RECEIVE SOD:** Represented by a square filled with a cross-hatch pattern.
- EXISTING TREE TO BE REMOVED:** Represented by a large "X" inside a square.

NOTES:

1. SEE C2.80 SERIES SHEETS FOR TREE PROTECTION PLAN.
2. EXISTING TREES TO BE REMOVED MARKED WITH "X".
3. SEE L1.00 FOR PLANT SCHEDULE.

MATCHLINE L1.03

MATCHLINE L1.03
MATCHLINE L1.04

N/F
DEKALB - LAKE RIDGE LLC
DB 17650 PG 759
ZONED: RM100

L1.03

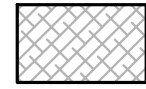
LEGEND



CRITICAL ROOT ZONE (CRZ)



APPROXIMATE LIMITS OF DISTURBANCE
C2.80 SERIES SHEETS FOR ADDITIONAL
INFORMATION.

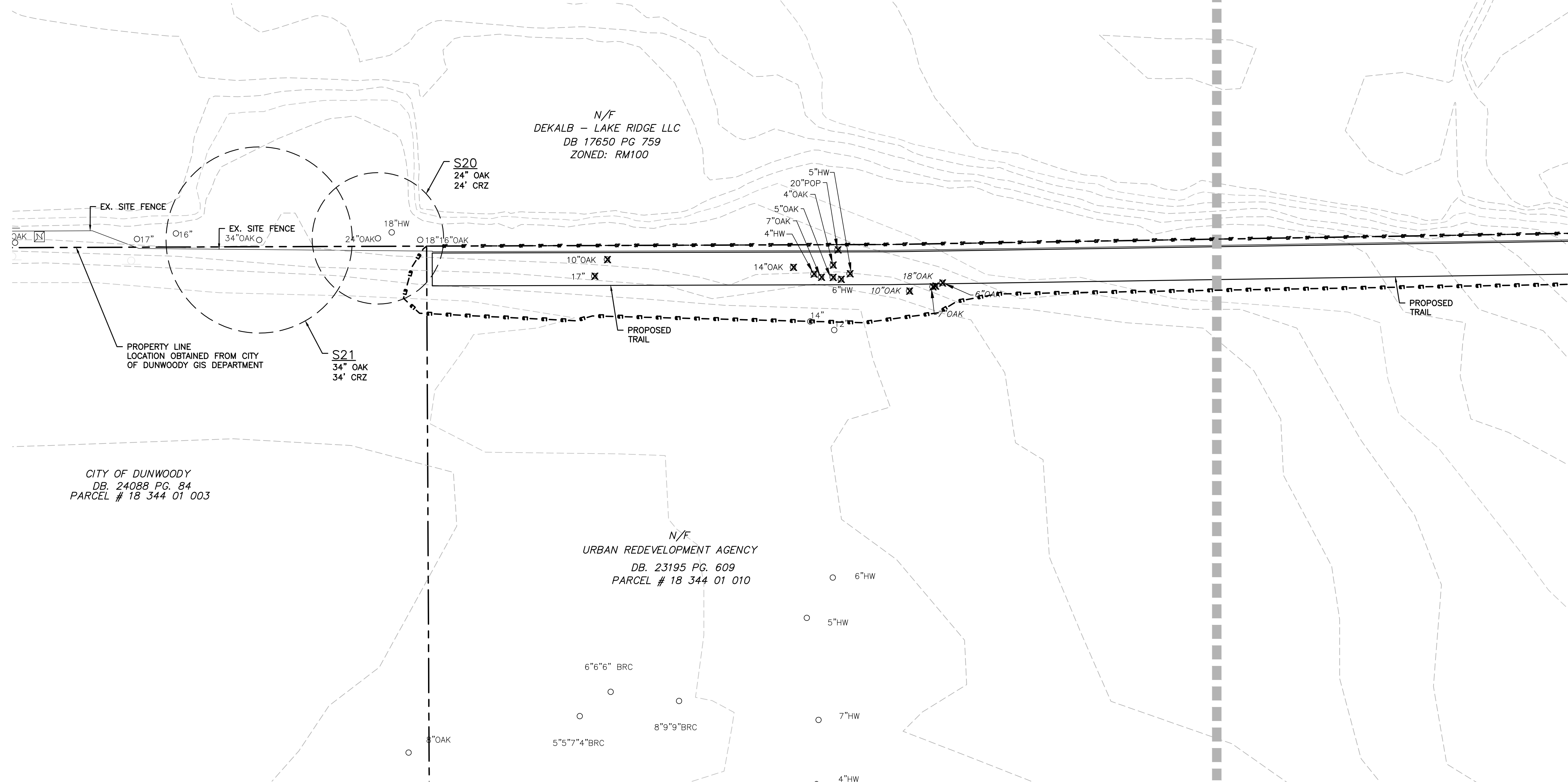


EXISTING TREE TO BE REMOVED.
SEE NOTES THIS SHEET.



NOTES:

- NOTES:
1. SEE C2.80 SERIES SHEETS FOR TREE PROTECTION PLAN.
 2. EXISTING TREES TO BE REMOVED MARKED WITH "X".
 3. SEE L1.00 FOR PLANT SCHEDULE.

**DBE & ASSOCIATES, INC.**

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**DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338**

LAND LOTS 686 - 19th DISTRICT PIN. 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003

THE CITY OF DUNWOODY, GEORGIA

VISIONS

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SUED FOR BID 02/25/2015

EET TITLE

LANDSCAPE PLAN

PROJECT NUMBER	DATE
2185-2	11/10/2014
DRAWN BY	SCALE
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HEET NUMBER

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(615) 781-4088 (fax)

EMC Project No. 14370



DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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NO.	DATE	INITIAL BY	REQUESTED BY
C1	01-09-15	EMC	ADDRESS COMMENTS

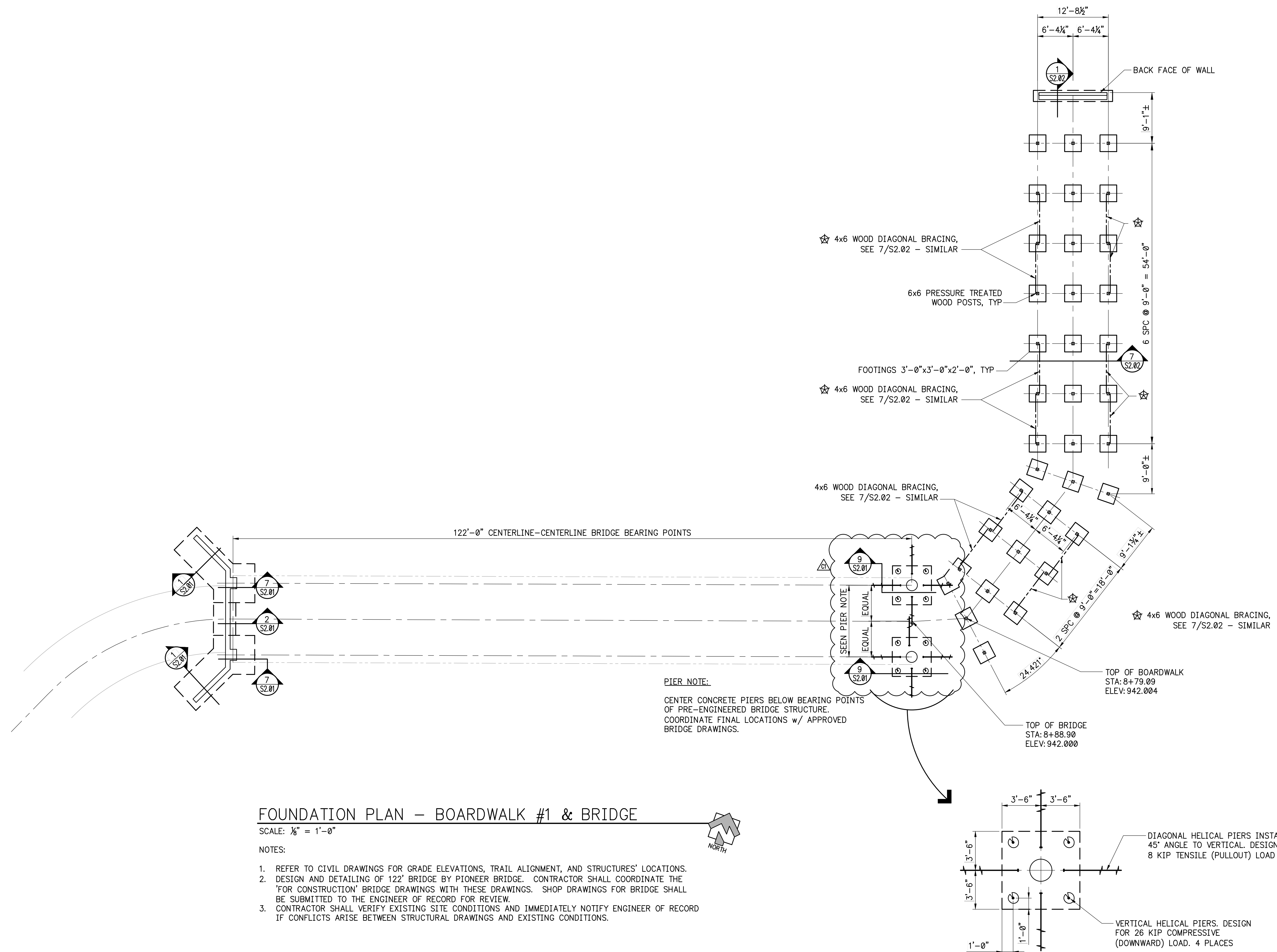
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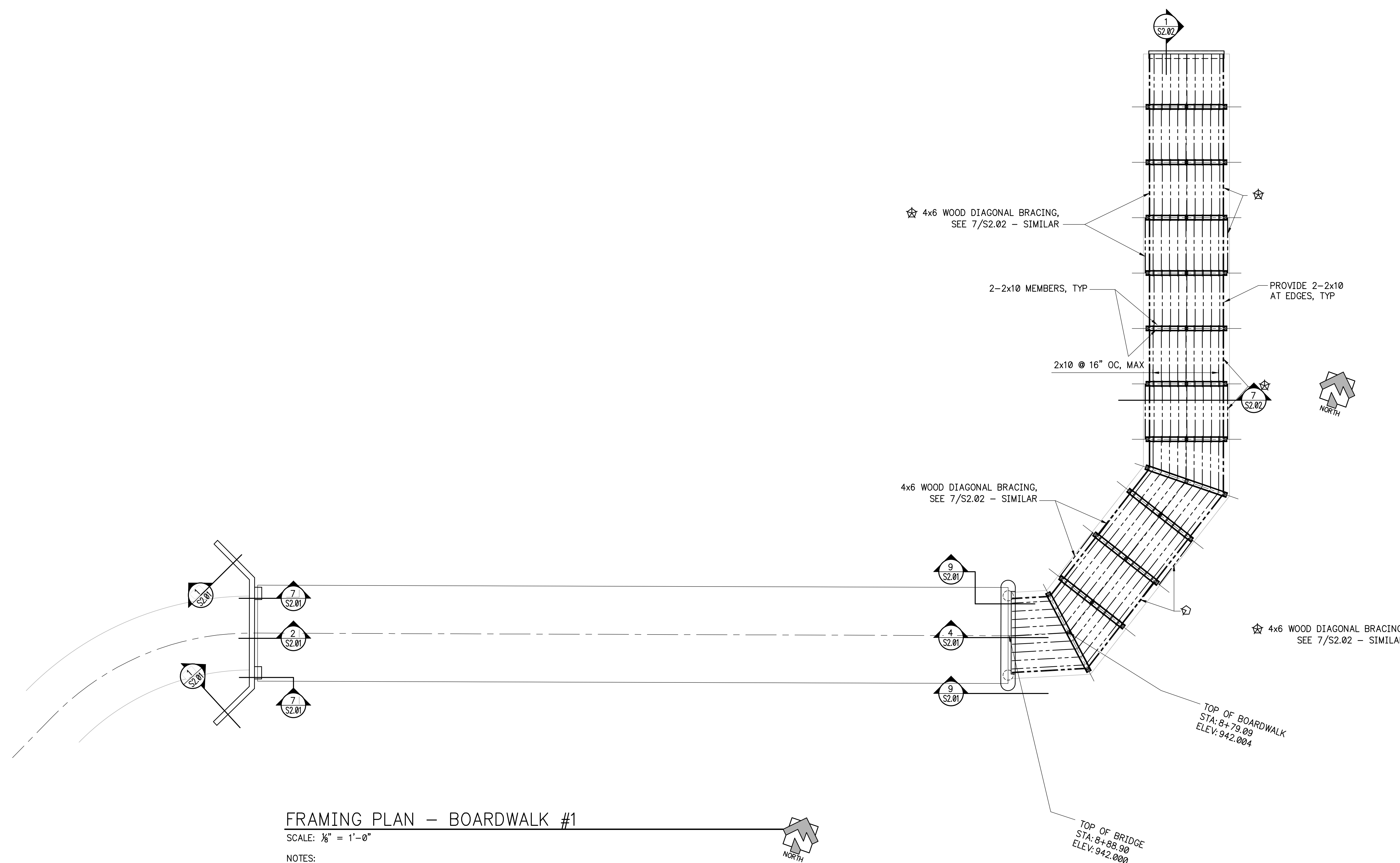
SHEET TITLE
FOUNDATION PLAN
BOARDWALK #1 &
PRE-FABRICATED
BRIDGE

PROJECT NUMBER	DATE
12185-2	11/10/2014
DRAWN BY	SCALE

CHECKED BY	
SHEET NUMBER	

S1.01






FRAMING PLAN – BOARDWALK #1

SCALE: 1/8" = 1'-0"


NOTES:

1. REFER TO CIVIL DRAWINGS FOR GRADE ELEVATIONS, TRAIL ALIGNMENT, AND STRUCTURES' LOCATIONS.
2. DESIGN AND DETAILING OF 122' BRIDGE BY PIONEER BRIDGE. CONTRACTOR SHALL COORDINATE THE 'FOR CONSTRUCTION' BRIDGE DRAWINGS WITH THESE DRAWINGS. SHOP DRAWINGS FOR BRIDGE SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.
3. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND IMMEDIATELY NOTIFY ENGINEER OF RECORD IF CONFLICTS ARISE BETWEEN STRUCTURAL DRAWINGS AND EXISTING CONDITIONS.




LOSE & ASSOCIATES, INC.
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DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

REVISIONS			
NO.	DATE	INITIAL BY	REQUESTED BY

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SHEET TITLE
**FRAMING PLAN
BOARDWALK #1**

PROJECT NUMBER 12185-2	DATE 11/10/2014
DRAWN BY	SCALE
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SHEET NUMBER
S1.02

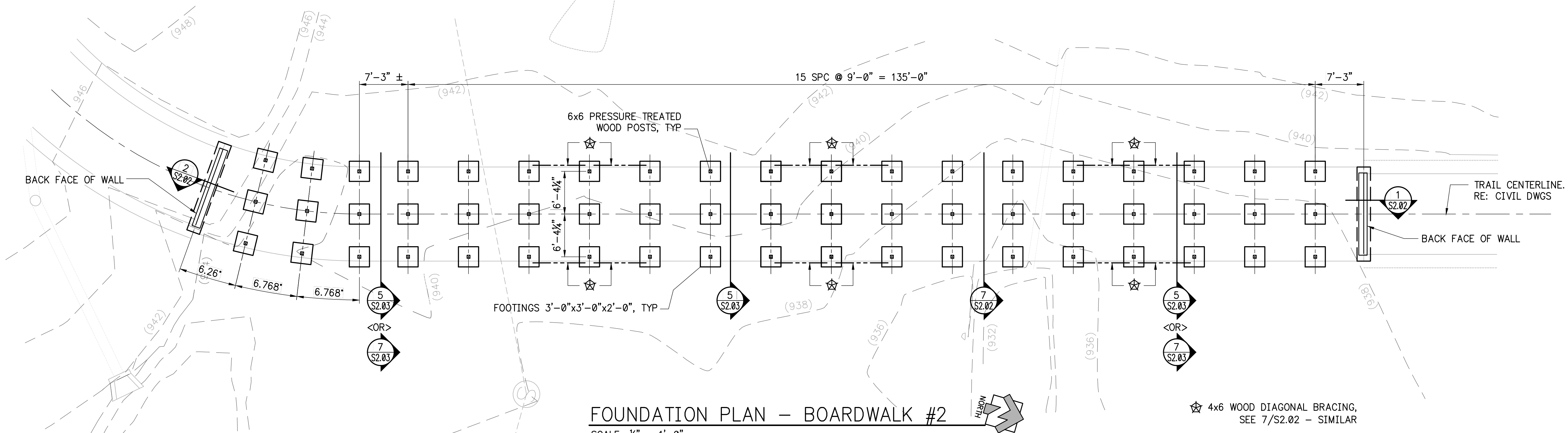
REVISIONS			
NO.	DATE	INITIAL BY	REQUESTED BY
1	01-09-15	EMC	ADDRESS COMMENTS

ISSUED FOR BID 02/25/2015

SHEET TITLE
**FOUNDATION PLAN
FRAMING PLAN
BOARDWALK #2**

PROJECT NUMBER
12185-2
DATE
11/10/2014
DRAWN BY
SCALE
CHECKED BY
SHEET NUMBER

S1.03

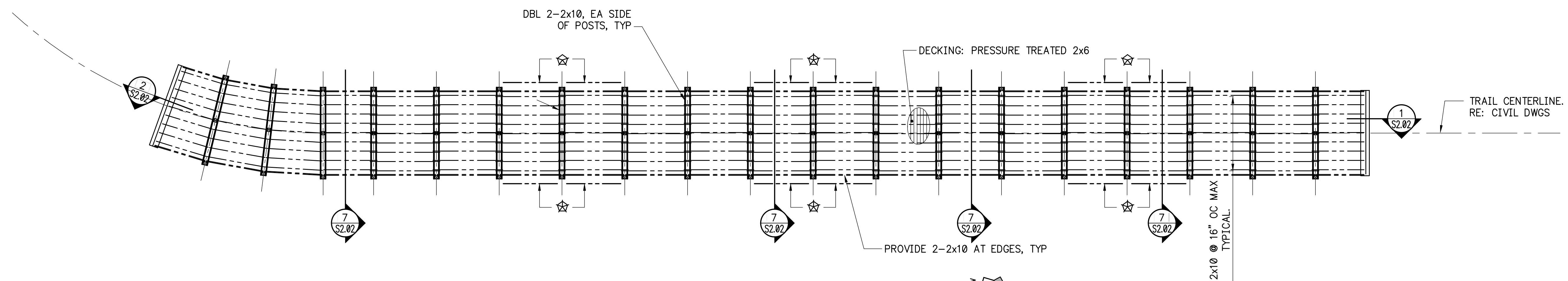


FOUNDATION PLAN - BOARDWALK #2

SCALE: 1/8" = 1'-0"

NOTES:

1. REFER TO CIVIL DRAWINGS FOR GRADE ELEVATIONS, TRAIL ALIGNMENT, AND STRUCTURE LOCATION
2. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND IMMEDIATELY NOTIFY ENGINEER OF RECORD IF CONFLICTS ARISE BETWEEN STRUCTURAL DRAWINGS AND EXISTING CONDITIONS.
3. CONTRACTOR SHALL COORDINATE USE OF SECTIONS 7/S2.02, 5/S2.03 AND 7/S2.03 WITH ACTUAL GRADING CONDITIONS AND BOARDWALK ELEVATIONS.

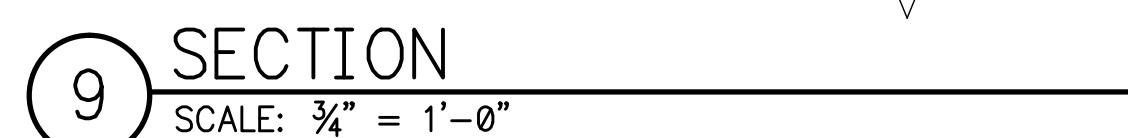
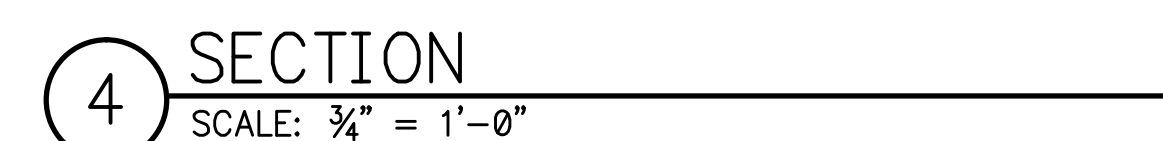
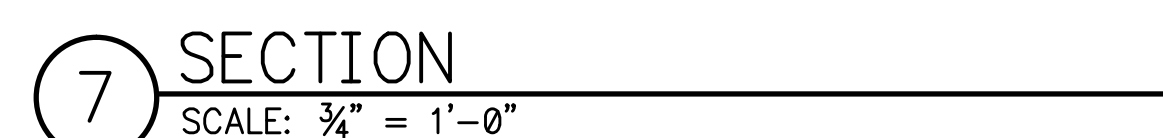
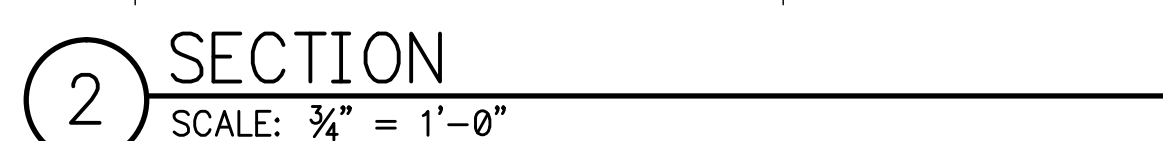


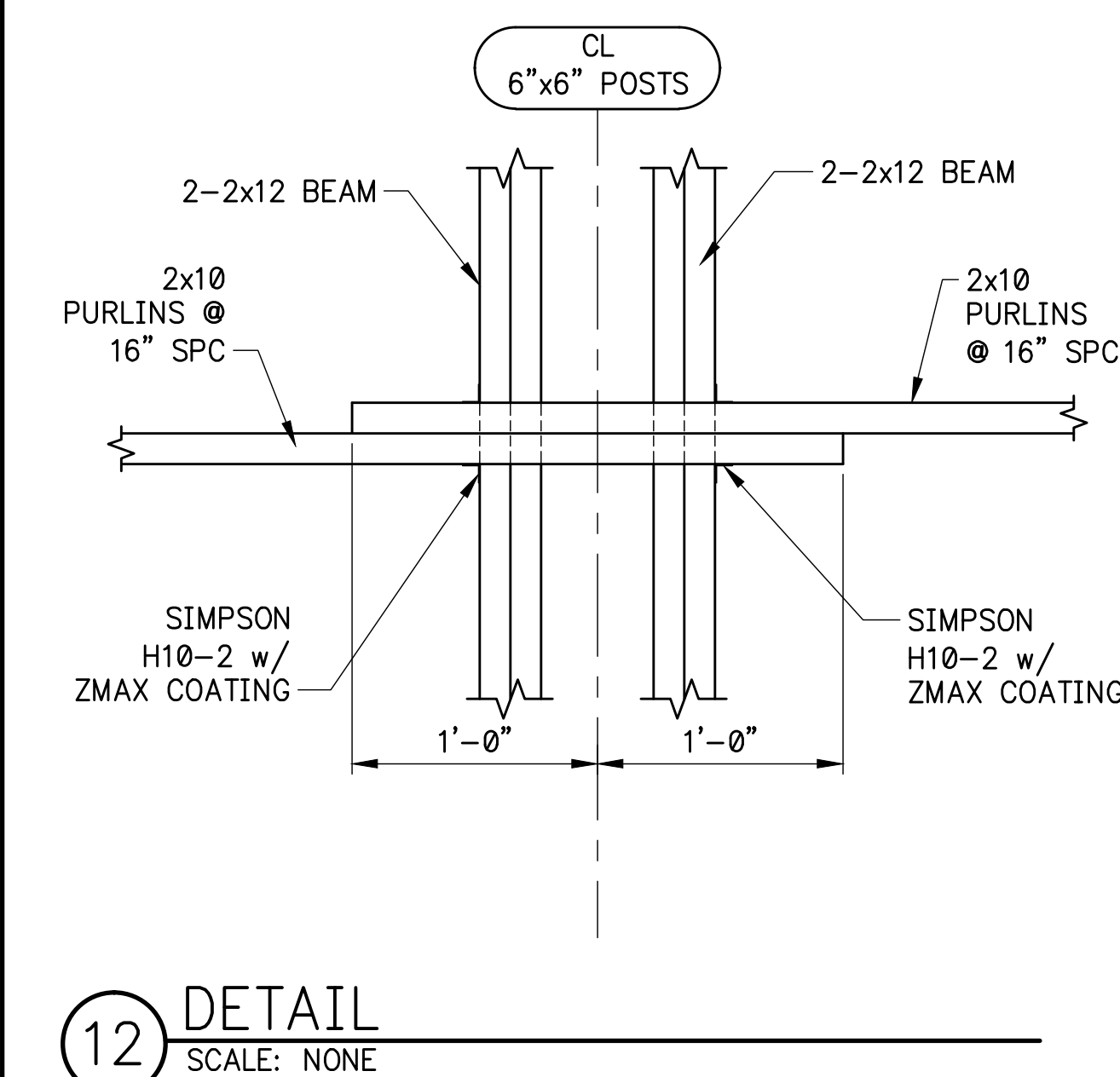
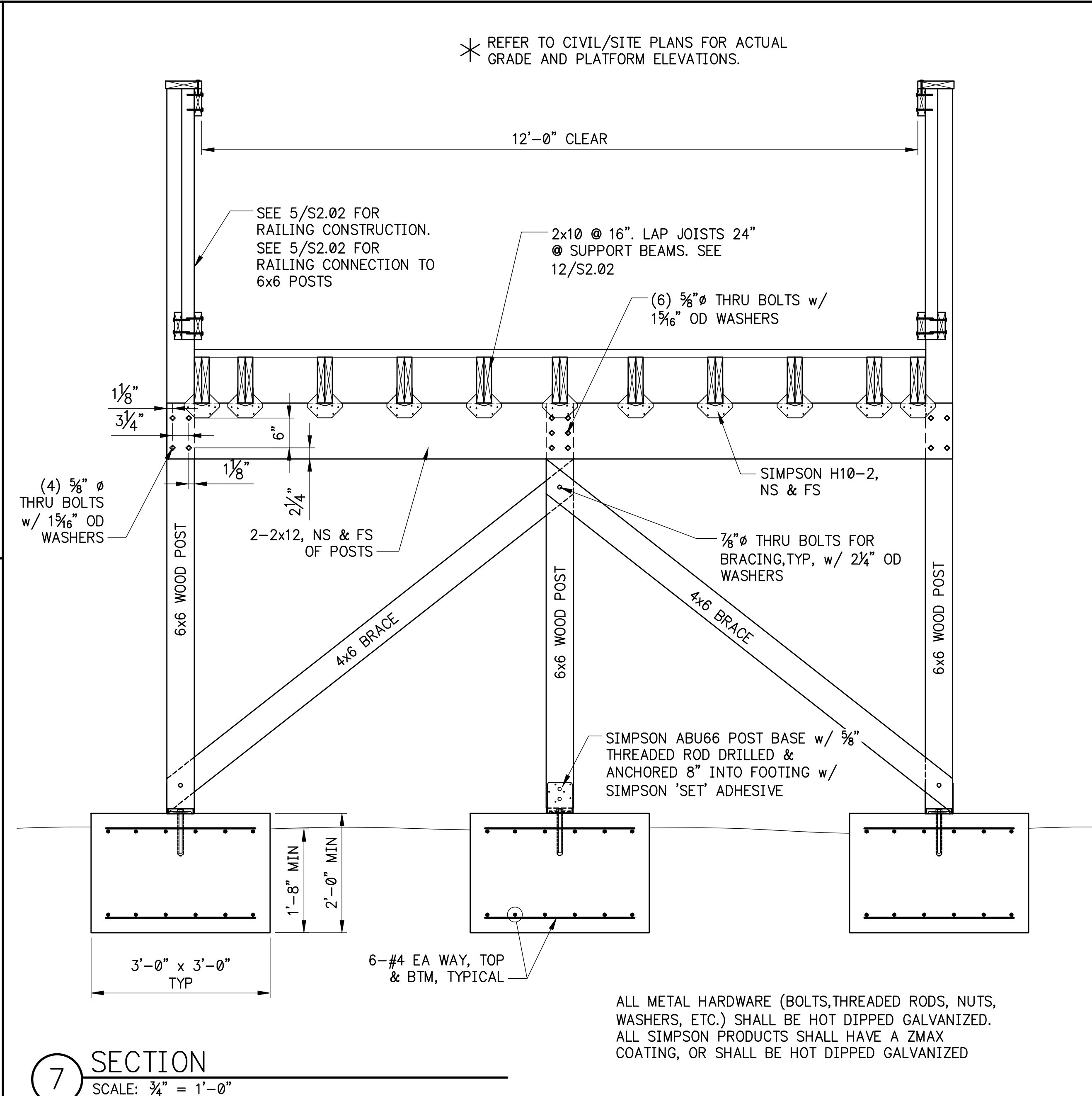
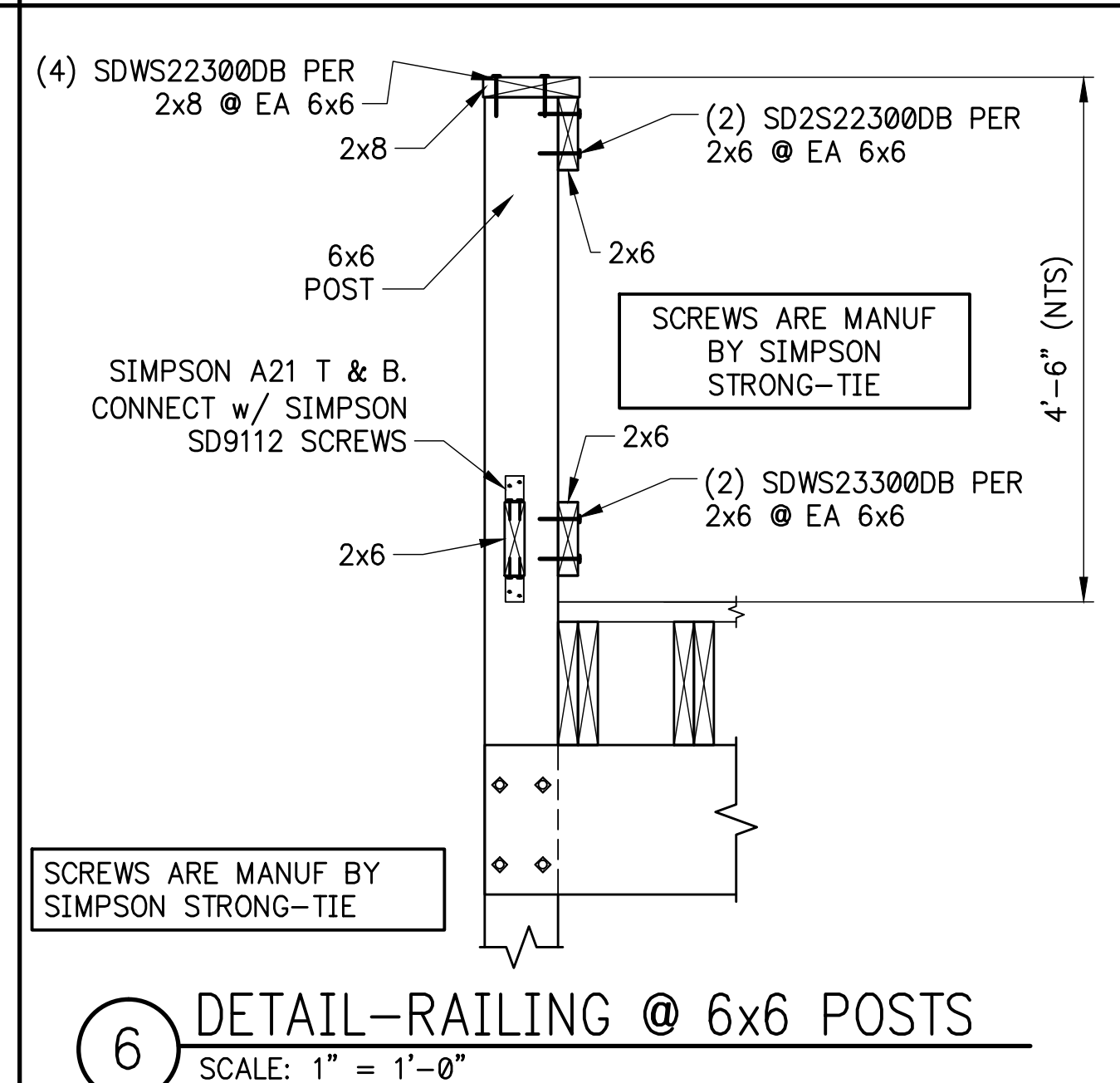
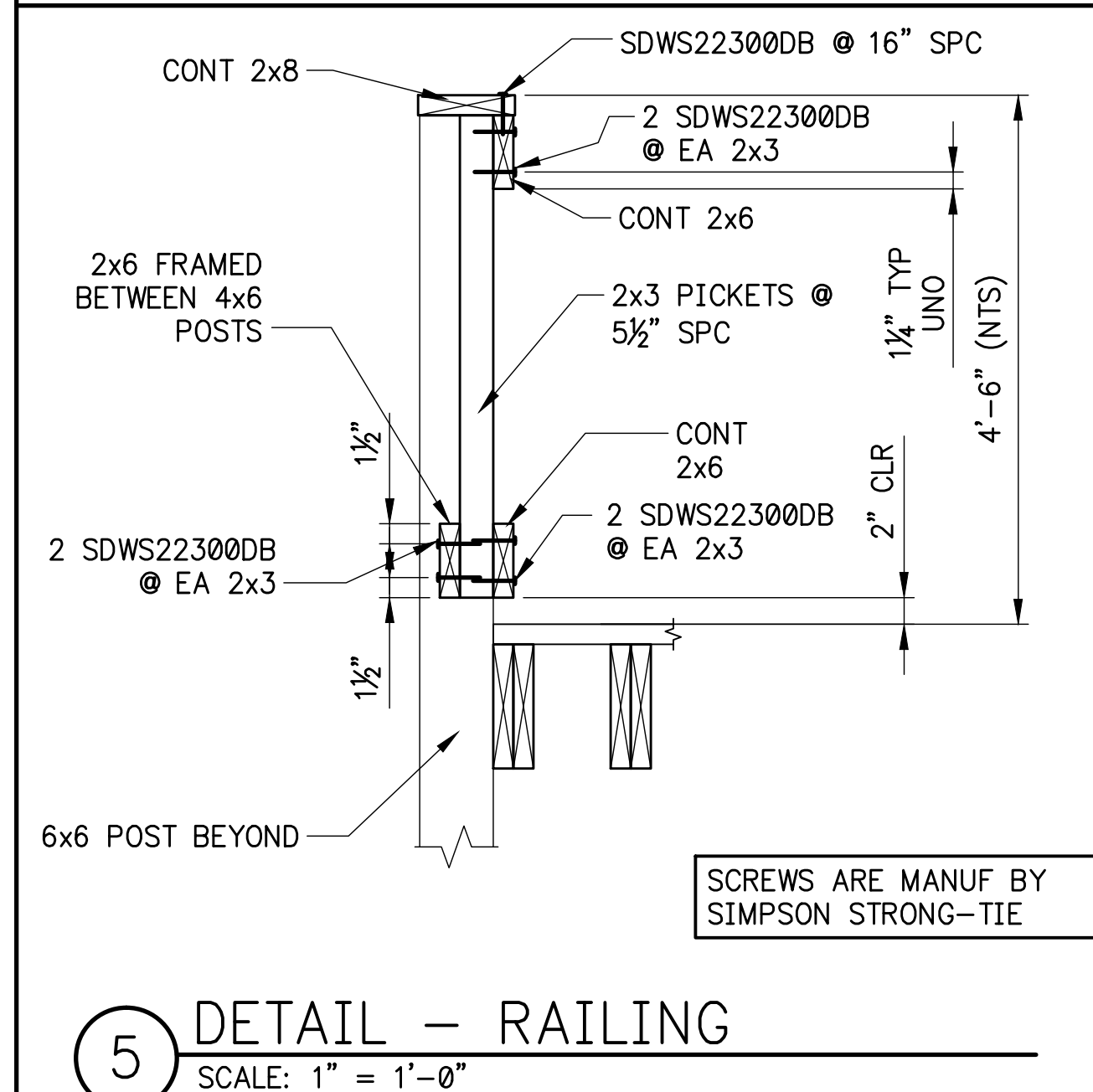
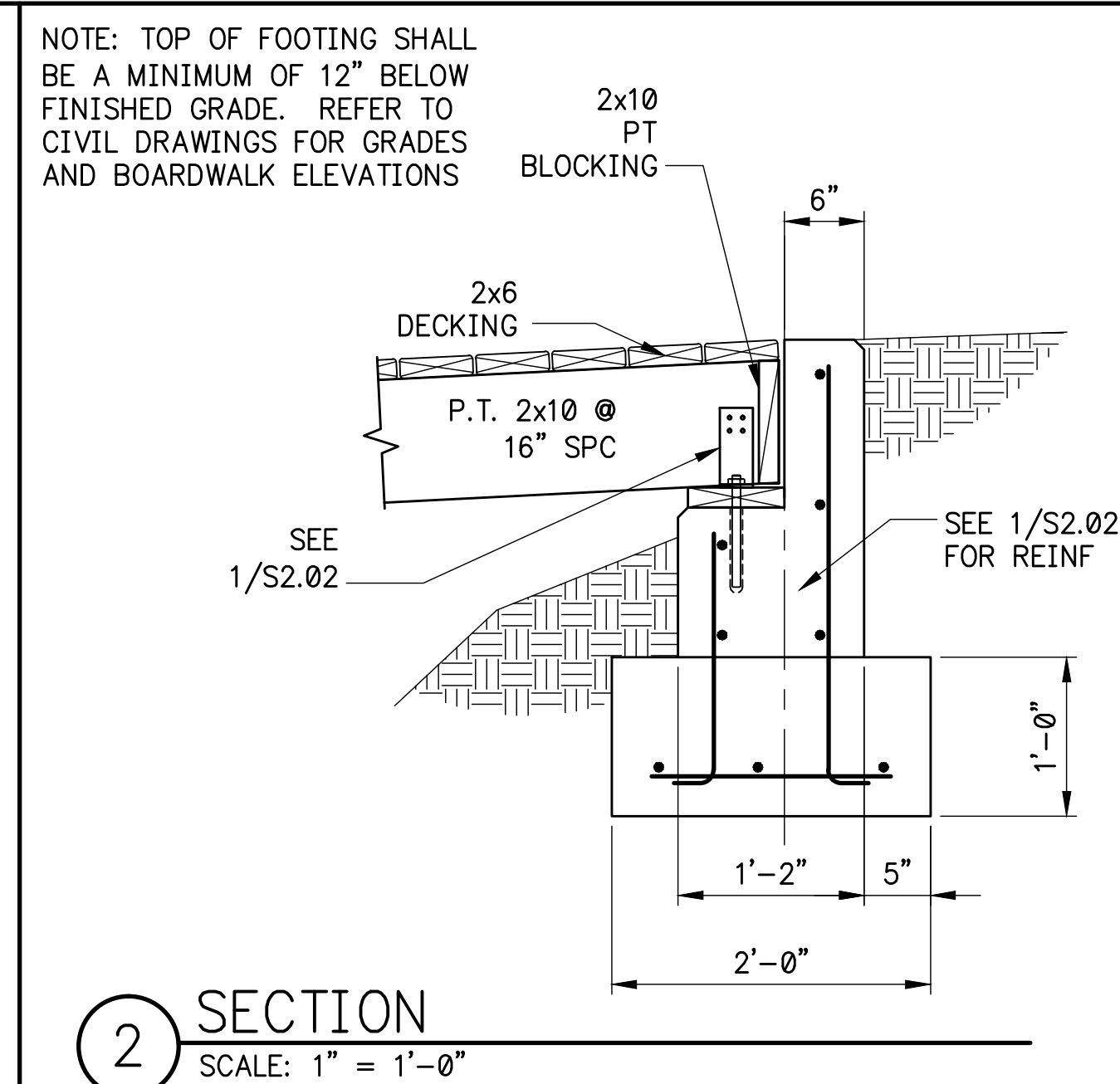
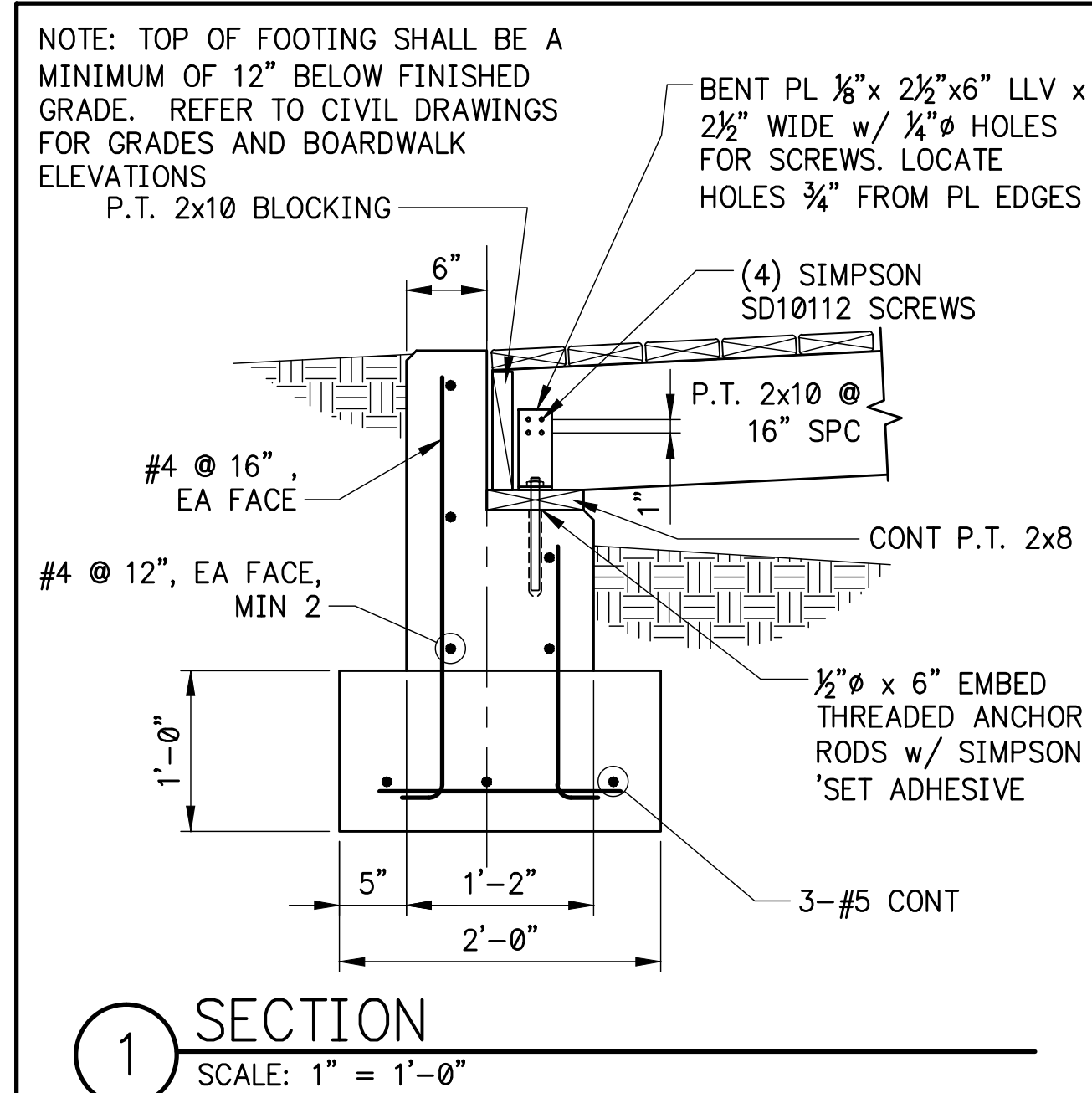
FRAMING PLAN - BOARDWALK #2

SCALE: 1/8" = 1'-0"

NOTES:

1. REFER TO CIVIL DRAWINGS FOR GRADE ELEVATIONS, TRAIL ALIGNMENT, AND STRUCTURE LOCATION.
2. CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND IMMEDIATELY NOTIFY ENGINEER OF RECORD IF CONFLICTS ARISE BETWEEN STRUCTURAL DRAWINGS AND EXISTING CONDITIONS.

[illegible]



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Nashville, TN 37208
(615) 242-0040

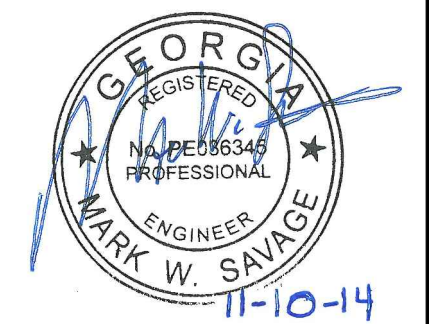
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ACTION.

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STRUCTURAL ENGINEERS, P.C.

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EMC Project No. 14370



DUNWOODY
MULTI-USE TRAIL - PHASE III
4770 NORTH PEACHTREE ROAD, DUNWOODY, GA 30338
LAND LOTS 686 - 19th DISTRICT PIN: 18-354-01-005,
18-344-08-001, 18-344-01-001, 18-344-01-010, AND 18-344-01-003
THE CITY OF DUNWOODY, GEORGIA

[illegible]

ISSUED FOR BID 02/25/2015

SHEET TITLE
**SECTIONS AND
 DETAILS**

PROJECT NUMBER	DATE
12185-2	11/10/2014

12100 Z	11/10/2014
DRAWN BY	SCALE

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\$2.02

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STRUCTURAL SPECIAL INSPECTION PLAN

GENERAL:

THIS STRUCTURAL QUALITY ASSURANCE PLAN IDENTIFIES THE RESPONSIBILITIES OF THE CONTRACTOR AND THE SPECIAL INSPECTOR IN PERFORMING THE TESTING AND INSPECTION OF THE WORK REQUIRED BY CHAPTER 17 OF THE BUILDING CODE THAT IS WITHIN THE SCOPE OF THE STRUCTURAL ENGINEERING SERVICES FOR THIS PROJECT. REFER TO OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS FOR TESTING AND INSPECTIONS REQUIRED OF ARCHITECTURAL, MECHANICAL, ELECTRICAL, OR OTHER BUILDING COMPONENTS.

CONTRACTOR RESPONSIBILITIES:

THE CONTRACTOR SHALL SUBMIT TO THE BUILDING OFFICIAL AND THE ARCHITECT A WRITTEN STATEMENT OF RESPONSIBILITY THAT CONTAINS THE FOLLOWING:

1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED WITHIN THIS STRUCTURAL QUALITY ASSURANCE PLAN.
2. ACKNOWLEDGEMENT THAT CONTROL SHALL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.
4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

THE STRUCTURAL TESTING/INSPECTION AGENCY THAT IS TO ACT AS THE SPECIAL INSPECTOR WILL BE HIRED BY THE OWNER, BUT CONTRACTOR SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR WORK OR MATERIALS NOT COMPLYING WITH THE CONSTRUCTION DOCUMENTS DUE TO NEGLIGENCE OR NONCONFORMANCE AND SHALL PAY FOR ANY ADDITIONAL STRUCTURAL TESTING/INSPECTION REQUIRED FOR HIS CONVENIENCE.

CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE SPECIAL INSPECTOR IS PRESENT FOR ALL WORK REQUIRING SPECIAL INSPECTION. ANY WORK THAT REQUIRES SPECIAL INSPECTION AND IS PERFORMED WITHOUT THE SPECIAL INSPECTOR BEING PRESENT IS SUBJECT TO BEING DEMOLISHED AND RECONSTRUCTED.

CONTRACTOR HAS THE FOLLOWING RESPONSIBILITIES TO THE SPECIAL INSPECTOR:

1. PROVIDE COPY OF CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR.
2. NOTIFY THE SPECIAL INSPECTOR SUFFICIENTLY IN ADVANCE OF OPERATIONS TO ALLOW ASSIGNMENT OF PERSONNEL AND SCHEDULING OF TESTS.
3. COOPERATE WITH SPECIAL INSPECTOR AND PROVIDE ACCESS TO WORK.
4. PROVIDE SAMPLES OF MATERIALS TO BE TESTED IN REQUIRED QUANTITIES.
5. PROVIDE STORAGE SPACE FOR THE SPECIAL INSPECTOR'S EXCLUSIVE USE, SUCH AS FOR STORING AND CURING CONCRETE TESTING SAMPLES.
6. PROVIDE LABOR TO ASSIST THE SPECIAL INSPECTOR IN PERFORMING TESTS/INSPECTIONS.

SPECIAL INSPECTOR'S RESPONSIBILITIES:

THE SPECIAL INSPECTOR SHALL BE A PROFESSIONAL ENGINEER LICENSED IN AND PRACTICING IN THE STATE OF GEORGIA, OR IS PERFORMING APPROPRIATE DUTIES DIRECTLY UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA AND HAS A THOROUGH UNDERSTANDING OF THE SPECIAL INSPECTION REQUIREMENTS OF THE 2006 IBC WITH 2007, 2009, AND 2010 GEORGIA STATE AMENDMENTS.

THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. PERIODIC REPORTS SHALL BE PROVIDED AND SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED TO THE SATISFACTION OF THE SPECIAL INSPECTOR, THE DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

A WEEKLY REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED. AT THE COMPLETION OF THE SPECIAL INSPECTIONS, THE LICENSED PROFESSIONAL ENGINEER IN CHARGE OF PERFORMING THE SPECIAL INSPECTION SHALL CERTIFY THE FINAL SPECIAL INSPECTION REPORT AND AFFIX HIS/HER SEAL TO THE SPECIAL INSPECTOR'S FINAL REPORT. PROVIDE THREE (3) COPIES OF THIS REPORT; TWO TO THE ARCHITECT AND ONE TO THE STRUCTURAL ENGINEER OF RECORD.

THE SPECIAL INSPECTOR FOR THIS PROJECT IS AS FOLLOWS:

NAME : _____
COMPANY : _____
ADDRESS : _____
TELEPHONE #: _____

SOILS AND FOUNDATIONS

CONTRCTOR SHALL PERFORM THE FOLLOWING:

1. PROVIDE DRAWINGS AND DETAILS, STAMPED AND SIGNED BY PROFESSIONAL ENGINEER, OF HELICAL PILE FOUNDATION SYSTEM.
2. PROVIDE TESTING REPORTS CONFIRMING HELICAL PILES MEET OR EXCEED THE LOAD CAPACITY REQUIREMENTS NOTED IN THESE DRAWINGS. COPIES OF THE TEST REPORTS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES FOR REVIEW.

SPECIAL INSPECTOR SHALL PERFORM THE FOLLOWING:

1. CONFIRM THAT HELICAL PILES HAVE BEEN INSTALLED PER PLANS AND SHOP DRAWINGS.
2. REVIEW TESTING REPORTS CONFIRMING HELICAL PILES MEET OR EXCEED THE LOAD CAPACITY REQUIREMENTS NOTED IN THESE DRAWINGS.
3. CONFIRM BACKFILL MATERIALS ARE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND HAVE BEEN PROPERLY COMPACTED PER THE GEOTECHNICAL REPORT.
4. OBSERVER PROOFROLLING
5. PERFORM FIELD DENSITY TEST TO VERIFY COMPACTION OF STRUCTURL FILL. AS A MINIMUM, PERFORM ONE TEST PER LIFT FOR EVERY 2500 SQUARE FEET OF FILL PLACED
6. VERIFY FOUNDATION BEARING CAPACITY

CAST-IN-PLACE CONCRETE:

CONTRACTOR SHALL PERFORM THE FOLLOWING:

1. SUBMIT MANUFACTURER'S DATA FOR REINFORCING STEEL
2. ESTABLISH CONCRETE MIX DESIGN PROPORTIONS PER ACI 318, CHAPTER 5. SUBMIT THREE COPIES OF THE CONCRETE MIX DESIGNS. INCLUDE THE FOLLOWING:
 - A. TYPE AND QUANTITIES OF MATERIALS
 - B. SLUMP
 - C. AIR CONTENT
 - D. FRESH UNIT WEIGHT
 - E. AGGREGATES SIEVE ANALYSIS
 - F. DESIGN COMPRESSIVE STRENGTH
 - G. LOCATION OF PLACEMENT IN STRUCTURE
 - H. METHOD OF PLACEMENT
 - I. METHOD OF CURING
 - J. SEVEN-DAY AND 28-DAY COMPRESSIVE STRENGTHS
3. SUBMIT A CERTIFICATION FROM EACH MANUFACTURER OR SUPPLIER STATING THAT MATERIALS MEET THE REQUIREMENTS OF THE SPECIFIED ASTM AND ACI STANDARDS.
4. SUBMIT CERTIFICATION THAT THE READY-MIXED CONCRETE PLANT COMPLIES WITH THE REQUIREMENTS OF THE NATIONAL READY MIX CONCRETE ASSOCIATION.

SPECIAL INSPECTOR SHALL PERFORM THE FOLLOWING:

1. VERIFY GRADE, QUANTITY, LOCATION, AND THE PLACEMENT OF REINFORCING STEEL PRIOR TO CONCRETE PLACEMENT.
2. EXAMINE CONCRETE IN TRUCK TO VERIFY THAT CONCRETE APPEARS PROPERLY MIXED.
3. PERFORM A SLUMP TEST AS DEEMED NECESSARY FOR EACH CONCRETE LOAD. RECORD IF WATER OR ADMIXTURES ARE ADDED TO THE CONCRETE AT THE JOB SITE. PERFORM ADDITIONAL SLUMP TESTS AFTER JOB SITE ADJUSTMENTS.
4. MOLD FIVE SPECIMENS PER SET FOR COMPRESSIVE STRENGTH TESTING; ONE SET FOR EACH 75 CUBIC YARDS OF EACH MIX DESIGN PLACED IN ANY ONE DAY. FOR EACH SET MOLDED, RECORD:
 - A. SLUMP
 - B. AIR CONTENT
 - C. UNIT WEIGHT
 - D. TEMPERATURE, AMBIENT, AND CONCRETE
 - E. LOCATION OF PLACEMENT
 - F. ANY PERTINENT INFORMATION, SUCH AS ADDITION OF WATER, ADDITION OF ADMIXTURES, ETC.PERFORM ONE 7-DAY AND TWO 28-DAY COMPRESSIVE STRENGTH TESTS. (USE TWO AS A SPARE TO BE BROKEN AS DIRECTED BY THE STRUCTURAL ENGINEER IF COMPRESSIVE STRENGTHS DO NOT APPEAR ADEQUATE.)
5. REPORTS OF COMPRESSIVE STRENGTH TESTS SHALL CONTAIN THE PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT ,NAME OF CONCRETE TESTING AGENCY, CONCRETE DESIGN COMPRESSIVE STRENGTH, LOCATION OF CONCRETE PLACEMENT IN STRUCTURE, CONCRETE MIX PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH AND TYPE OF BREAK.

WOOD CONSTRUCTION:

CONTRACTOR SHALL PERFORM THE FOLLOWING:

1. SUBMIT CERTIFICATION THAT THE MATERIALS USED (LUMBER, CONNECTORS, SCREWS, BOLTS, WASHERS, NUTS, ETC.) MEET SPECIFICATIONS.

SPECIAL INSPECTOR SHALL PERFORM PERIODIC INSPECTIONS OF THE FOLLOWING:

1. VISUAL INSPECTION OF WOOD FRAMING TO VERIFY COMPLIANCE WITH DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS INCLUDING MEMBER SIZES, LOCATIONS, BRACING, CONNECTION DETAILS, SCREW AND BOLT SIZES, SPACING, ETC.

STRUCTURAL GENERAL NOTES

DESIGN AND CODE INFORMATION

1. ALL CONSTRUCTION SHALL CONFORM TO THE 2012 INTERNATIONAL BUILDING CODE 2014 GEORGIA STATE AMENDMENTS.
2. VERIFY EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY ENGINEER OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS. STRUCTURAL DRAWINGS MUST BE COORDINATED WITH CIVIL DRAWINGS.
3. CONTRACT DOCUMENTS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS.
4. THE DESIGN ADEQUACY OF TEMPORARY BRACING AND SHORING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. FOR LOCATION OF MISCELLANEOUS ITEMS (OPENINGS, BENT PLATES, INSERTS, ETC.) AFFECTING STRUCTURAL WORK, SEE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
6. WIND DATA:
BASIC WIND SPEED (3 SEC. GUST): 115 MPH
OCCUPANCY CATEGORY (PER ASCE 7-10) : II
IMPORTANCE FACTOR, Iw: 1.0
EXPOSURE CATEGORY: B
7. SEISMIC DATA:
IMPORTANCE FACTOR, I=1.0
SEISMIC USE GROUP: I
OCCUPANCY CATEGORY (PER ASCE 7-10): II
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss = 0.1994
Si = 0.0928
SITE CLASS: D
SPECTRAL RESPONSE COEFFICIENTS:
Sps = 0.213
Ss1 = 0.148
DESIGN CATEGORY: C
RESPONSE COEFFICIENT, Cs = Sps/R
8. SPECIAL LOADS: HANDRAILS - 50 PLF
200 LB CONCENTRATED LOAD IN ANY DIRECTION

SPECIAL INSPECTIONS AND TESTING

1. THE OWNER SHALL EMPLOY AN INDEPENDENT TESTING COMPANY TO PERFORM THE FOLLOWING ON SITE INSPECTIONS AND TESTING:
FOUNDATION SOILS: PER TABLE 1704.7
CONCRETE: PER TABLE 1704.4

STRUCTURAL OBSERVATIONS

1. THE ENGINEER OF RECORD HAS NOT BEEN EMPLOYED TO PERFORM PERIODIC VISUAL OBSERVATIONS OF THE STRUCTURE DURING CONSTRUCTION FOR GENERAL CONFORMANCE TO THE DESIGN DRAWINGS.

FOUNDATION NOTES

1. THE FOUNDATION DESIGN IS BASED ON A GEOTECHNICAL REPORT PREPARED BY GEO-HYDRO ENGINEERS, DATED OCTOBER 14, 2013 (PROJECT NO. 140545.20)
2. CONTRACTOR SHALL THOROUGHLY READ AND UNDERSTAND THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT PRIOR TO START OF CONSTRUCTION. THE REPORT REQUIRES REMEDIAL WORK TO BE DONE TO SOME AREAS OF THE SUBGRADE PRIOR TO CONSTRUCTION OF THE WALLS' FOUNDATIONS.
3. FOOTINGS ARE DESIGNED TO BEAR ON UNIFORM SOIL CAPABLE OF SUPPORTING 2500 PSF. DESIGN ASSUMES DIFFERENTIAL AND TOTAL SETTLEMENT ARE WITHIN ACCEPTED TOLERANCES FOR THE TYPE OF CONSTRUCTION USED CONSTRUCTION USED.
4. THE SOIL BEARING CAPACITY AND CONSISTENCY SHALL BE VERIFIED FOR THE FOUNDATION LIMITS BY A REGISTERED GEOTECHNICAL ENGINEER WHEN FOUNDATION EXCAVATIONS HAVE BEEN CARRIED DOWN TO THE PROPOSED ELEVATIONS. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 2'-0" MINIMUM BELOW FINISHED GRADE.
5. WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN AND MAY BE EXPOSED TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT AND A 3 INCH THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS.
6. WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL, UNLESS SHOWN OTHERWISE ON PLANS.

HELICAL PIER FOUNDATION NOTES

1. PER THE GEOTECHNICAL REPORT, THE HELICAL PIERS SHALL EXTEND THRU EXISTING FILL AND ALLUVIAL SOILS AND BEAR IN THE MEDIUM DENSE TO DENSE RESIDUAL SOILS OR PARTIALLY WEATHERED ROCK FOR EACH ANCHOR. ACTUAL DEPTHS SHALL BE DETERMINED FROM FIELD TESTING DURING INSTALLATION IN ORDER TO ACHIEVE THE REQUIRED BEARING/TENSILE CAPACITY AND/OR TORQUE OF THE ANCHOR.
2. A HELICAL PIER FOUNDATION SUBCONTRACTOR (H-P CONTRACTOR) SHALL BE EMPLOYED BY THE GENERAL CONTRACTOR TO DESIGN AND DETAIL THE HELICAL PIER FOUNDATION SYSTEM. THE H-P CONTRACTOR SHALL TAKE INFORMATION CONTAINED IN THE GEOTECHNICAL REPORT AND LOADING INFORMATION ON THE CONTRACT DOCUMENTS FOR USE IN PREPARING THE HELICAL PIER FOUNDATION DRAWINGS.
3. THE HELICAL PIER LAYOUT AND DETAILING DRAWINGS SHALL BE STAMPED AND SIGNED BY THE PROFESSIONAL ENGINEER, REGISTERED IN THE PROJECT STATE, IN RESPONSIBLE CHARGE OF THE HELICAL PIERS PIER FOUNDATION DESIGN AND DRAWINGS.
4. THE HELICAL PIER FOUNDATION DRAWINGS SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:
 - 4.1. HELICAL PIER LAYOUT, INCLUDING PLAN DIMENSIONS AND ELEVATIONS.
 - 4.2. DESIGN AND DETAILING OF:
 - 4.1. CAP PLATES THAT ARE EMBEDDED IN THE CONCRETE FOUNDATIONS.
 - 4.2. THE DESIGN AND/OR SPECIFYING OF ALL CONNECTION HARDWARE (BOLTS, NUTS, PLATES, ANGLES, ETC.) USED IN THE HELICAL PIER FOUNDATION SYSTEM.
5. REFER TO STRUCTURAL DRAWINGS' DETAILS AND SECTIONS FOR DESIGN LOADS FOR THE HELICAL PIERS.
6. CONTRACTOR SHALL CONFIRM EXISTING GRADE ELEVATIONS AND COORDINATE TOP OF FOOTING ELEVATIONS.

REINFORCED CONCRETE

1. THE DESIGN OF ALL CONCRETE WORK SHALL CONFORM TO ACI 318-09 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
2. REINFORCING STEEL SHALL BE DEFORMED BARS MEETING THE REQUIREMENTS OF ASTM A615, GRADE 60.
3. THE 28-DAY COMPRESSIVE STRENGTH OF ALL CAST-IN-PLACE CONCRETE SHALL BE:
 - 3.1. BOARDWALKS' FOOTINGS - 3000 PSI
 - 3.2. BRIDGE ABUTMENTS, FOUNDATIONS - 4000 PSI
 - 3.3. WALLS, PIERS, BEAMS - 4000 PSI
 - 3.4. SITE CONCRETE - SEE CIVIL DRAWINGS
4. ALL CONCRETE SHALL BE AIR-ENTRAINED.
5. LAP SPLICES FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 318-09, UNLESS NOTED OTHERWISE.
6. CLEAR CONCRETE COVER FOR REINFORCING STEEL SHALL BE:
 - 6.1. FOOTINGS CAST AGAINST SOIL OR ROCK - 3"
 - 6.2. FOOTING CAST AGAINST FORMS - 2"
 - 6.3. WALLS - 2"
7. LONGITUDINAL REINFORCING IN FOOTINGS AND WALLS SHALL BE CONTINUOUS AROUND CORNERS.
8. MECHANICAL VIBRATORS SHALL BE USED TO VIBRATE ALL CONCRETE.
9. CHAMFER EXPOSED CORNERS OF WALLS ¾".
10. EXPOSED FACES OF WALLS SHALL BE FORMED WITH 'ASHLAR STONE FORMS' AS MANUFACTURED BY WALL-TIES & FORMS, INC.
11. CONCRETE SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS. A COPY OF ALL CONCRETE COMPRESSIVE STRENGTH TESTS REPORTS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES FOR REVIEW BY THE INSPECTOR.

LUMBER FRAMING

1. ALL FRAMING MEMBERS SHALL BE SOUTHERN YELLOW PINE, 19% MOISTURE CONTENT UNLESS OTHERWISE NOTED, AND THE FOLLOWING GRADES:
 - 1.1. 2x MEMBERS: NO. 2
 - 1.2. 6X6 MEMBERS: SELECT STRUCTURAL
2. ALL FRAMING MEMBERS SHALL BE PRESSURE TREATED, RATED FOR GROUND CONTACT.
3. ALL METAL CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE, INC, OR EQUIVALENT.
4. ALL SCREWS USED IN WOOD CONNECTIONS SHALL BE 'SDWS' SCREWS AS MANUFACTURED BY SIMPSON STRONG-TIE.
5. ALL BOLTS SHALL MEET THE REQUIREMENTS OF ASTM A307 OR F1554.
6. ALL METAL CONNECTORS, SCREWS, BOLTS, NUTS, WASHERS, ETC., SHALL BE HOT DIPPED GALVANIZED. ALL SIMPSON PRODUCTS SHALL BE EITHER HOT DIPPED GALVANIZED OR HAVE A Z-MAX COATING.



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1314 6th Avenue North, Suite 200
Nashville, TN 37208
(615) 242-0040
220 W. Crogan St, Suite 100
Lawrenceville, GA 30046
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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.

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