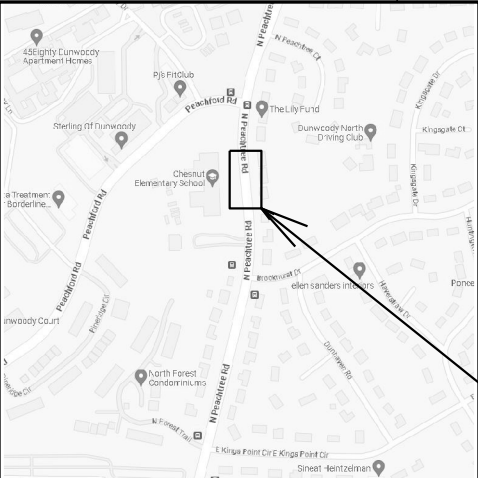


CITY OF DUNWOODY

ENGINEERING AND PUBLIC WORKS

NORTH PEACHTREE ROAD

MIDBLOCK PEDESTRIAN HYBRID BEACON CROSSING

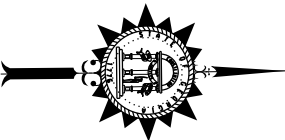


PROJECT LOCATION

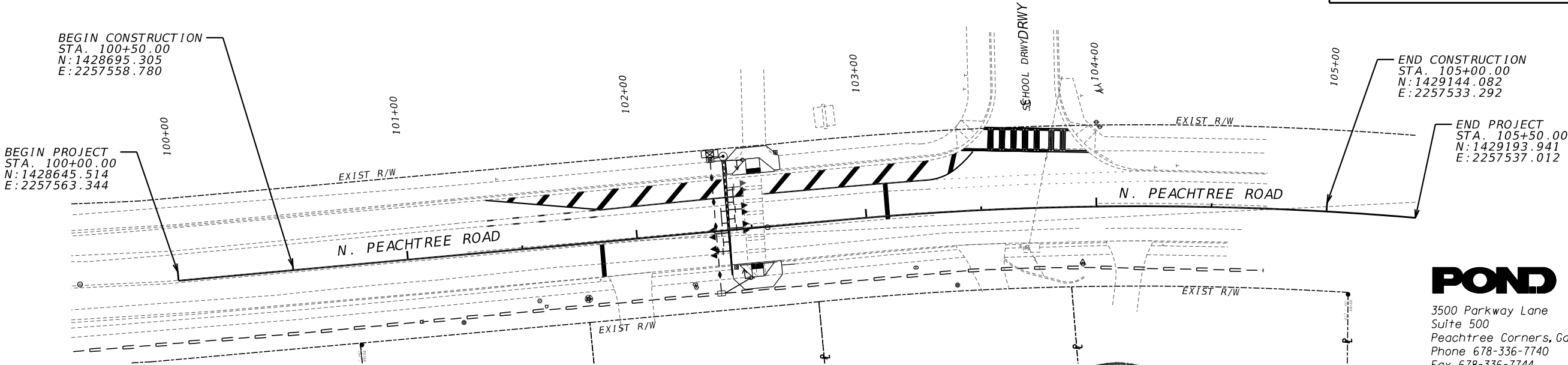
LOCATION SKETCH

DESIGN DATA:

ROADWAY CLASSIFICATION: URBAN MAJOR COLLECTOR
DESIGN SPEED: 35 MPH



NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO " STATE HIGHWAY DEPARTMENT OF GEORGIA ", " STATE HIGHWAY DEPARTMENT ", " GEORGIA STATE HIGHWAY DEPARTMENT ", " HIGHWAY DEPARTMENT ", OR " DEPARTMENT " WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.



POND

3500 Parkway Lane
Suite 500
Peachtree Corners, Ga. 30092
Phone 678-336-7740
Fax 678-336-7744
Web www.pondco.com

PLANS PREPARED
BY :

DESIGN



THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE CITY OF DUNWOODY IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.



DATE

PLANS COMPLETED 1-19-2024
REVISIONS

DRAWING No.

01-0001

[illegible]

02-0001

[illegible]

1.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION OF GEORGIA STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF ROADS AND BRIDGES, 2021 (OR LATEST) EDITION AND SUPPLEMENTAL THERETO, AS PROVIDED BY THE FEDERAL HIGHWAY ADMINISTRATION.
2.

ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON ROADWAY PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON ROADWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH THE CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE. THESE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF CONSTRUCTION.
3.

UTILITY WORK COORDINATION WILL BE REQUIRED AS A PART OF THIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 811 OR 1-800-282-7411, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 105.06 OF THE GDOT STANDARD SPECIFICATIONS "COOPERATION WITH UTILITIES."
4.

THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

GINNY MAULDIN-KINNEY
SOUTHERN COMPANY GAS
404-584-3189
VMauldin
@SouthernCo.com

TYRONE HOUSTON
AT&T TELECOMMUNICATIONS
404-202-0669
TH4650
@ATT.com

MIKE MAYES
CENTURY LINK (LUMEN)
404-394-0597
Michael.Mayes
@CenturyLink.com

JACK BROOKS
GA POWER UNDERGROUND
678-205-9980
JaBrooks
@SouthernCo.com

VENESIA HORNE
CROWN CASTLE
678-495-7737
Venesia.Horne
@CrownCastle.com

EDMOND KILLINGBECK
DEKALB COUNTY
470-786-2125
EKillingbeck
@DeKalbCountyGA.gov

ASH BELAVADI
VERIZON
470-543-2065
Ash.Belavadi
@Verizon.com

LAMONTE WASLIEN
GA POWER DISTRIBUTION
404-947-0729
LWaslien
@SouthernCo.com

DAVID SOLOMON
GOOGLE
SolomonD
@Google.com

DEANGELO QUARTERMAN
GA POWER LIGHTING
470-557-1613
Dquarter
@SouthernCo.com

EII VEITH
CITY OF DUNWOODY
(404)668-8833
Eii.Veith
@dunwoodyga.gov
5.

THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED TO RETARD DUST. ALL COST FOR DUST CONTROL SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE - LUMP SUM.
6.

INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GDOT STANDARD SPECIFICATIONS. IF THERE ARE DAYS THAT THE DRIVEWAY MUST BE CLOSED IT SHOULD BE COORDINATED WITH THE BUSINESSES NO LESS THAN 48 HOURS IN ADVANCE AND ACCESS SHOULD BE ACCOMPLISHED FROM A SEPARATE ENTRANCE OR COMPLETED ON NON-BUSINESS DAYS.
7.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND OFF-SITE DISPOSAL OF ANY UNSUITABLE OR WASTE MATERIAL.
8.

HORIZONTAL CONTROL IS BASED UPON GEORGIA STATE PLANE COORDINATE SYSTEM. SEE PLANS FOR LOCATIONS AND DESCRIPTIONS OF MONUMENTS USED.
9.

AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWED ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE PAVEMENT REMOVAL TO A NEAT LINE. THE COSTS FOR SAWED JOINTS, WHEN REQUIRED, SHALL BE INCLUDED IN PRICE BID FOR OTHER CONTRACT ITEMS, EXCEPT WHEN SAWING P.C.C. PAVEMENTS.

GENERAL NOTES

10.

WHERE EXISTING PAVEMENT MARKINGS ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED.
11.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05 AND 107.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.
12.

PRICE BID FOR TRAFFIC CONTROL - LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION AND/OR AS DIRECTED BY THE ENGINEER.
13.

A NOTICE OF INTENT (NOI) IS NOT REQUIRED FOR THIS PROJECT. HOWEVER BEST MANAGEMENT PRACTICES FOR EROSION CONTROL SHALL BE ADHERED TO.
14.

ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER. REFER TO SECTION 161 OF THE STANDARD GDOT SPECIFICATIONS.
15.

THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
16.

TEMPORARY EROSION CONTROL QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY.
17.

EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION OR AS DIRECTED BY THE ENGINEER. PAYMENT FOR ADDITIONAL ITEMS TO BE INCLUDED IN PAY ITEM 210-0100 GRADING COMPLETE.
18.

ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE GADOT STANDARD SPECIFICATION, AND THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL, 2016 EDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING WETLAND AREAS FREE FROM SILTATION. THE CONTRACTOR SHALL OBTAIN AND ABIDE BY ALL CORPS OF ENGINEERS RULES AND REGULATIONS CONCERNING CONSTRUCTION ADJACENT TO WATERWAYS AND MAINTAIN WATER QUALITY.
19.

CONSTRUCTION LAYOUT WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL BE INCLUDED IN THE PRICE BID FOR OTHER CONTRACT ITEMS.
20.

ALL CONSTRUCTION SHALL COMPLY WITH GDOT STANDARDS.
21.

ALL SIGNING, MARKING, AND TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 (OR LATEST) EDITION.
22.

WHERE REQUIRED, DRIVEWAYS SHALL BE PAVED AS FOLLOWS:

COMMERCIAL - CONCRETE DRIVEWAY, 8 INCH
GRADED AGGREGATE BASE, 6 INCH

CITY OF DUNWOODY GENERAL NOTES:

1.

THE CONTRACTOR SHALL NOTIFY THE CITY 2 WEEKS PRIOR TO AND HOLD A PRECONSTRUCTION MEETING PRIOR TO COMMENCING WORK.
2.

LANE CLOSURES SHOULD BE LIMITED TO 9AM TO 4PM MONDAY - FRIDAY.
3.

THE CONTRACTOR SHALL NOT WORK ON WEEKENDS OR HOLIDAYS WITHOUT NOTIFYING THE CITY OF DUNWOODY AND RECEIVING THE APPROVAL.
4.

UPON REMOVAL OF THE TREES, A REPORT STATING DIAMETER AT BREAST HEIGHT (DBG) AND SEPCIES SHALL BE PROVIDED TO THE CITY ARBORIST. CITY ARBORIST SHALL BE NOTIFIED PRIOR TO ANY REPLANTINGS.

SIGNING AND PAVEMENT MARKING GENERAL NOTES

1.

ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE SPECIFIC ITEM.
2.

ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
3.

ALL PAVEMENTS MARKINGS SHALL BE THERMOPLASTIC, OR PREFORMED PLASTIC CONTRAST TAPE ON CONCRETE SURFACES, UNLESS OTHERWISE NOTED.
4.

TYPE 9 RETROFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS.
- TYPE 11 RETROFLECTIVE SHEETING SHALL BE USED FOR ALL RED-SERIES (R1-1, R1-2, R1-3P,R5-1, R5-1a), WARNING SIGNS AND OVERHEAD SIGNS.
5.

ALL SIGNS SHALL BE ON 5052-H38 FLAT ALUMINUM ALLOY (0.80 GAUGE THICKNESS) WITH ROUNDED CORNERS. ALL SIGNS SHALL MEET OR EXCEED ASTM D 4956 SPECIFICATIONS FOR RETROREFLECTIVITY. SIGN COLORS SHALL BE MATCHED VISUALLY AND BE WITHIN THE COLOR TOLERANCE LIMITS SHOWN ON THE APPROPRIATE HIGHWAY COLOR TOLERANCE CHARTS ISSUED BY THE FHWA UTILIZING THE INSTRUCTIONS THERON.
6.

UNLESS OTHERWISE NOTED, SIGN POSTS SHALL BE TYPE 7 (2" 14 GAUGE) STEEL GALVANIZED POSTS, AS DIRECTED IN GEORGIA DEPARTMENT OF TRANSPORTATION INSTALLATION DETAIL T-3A. WHERE STREET BLADES (D3-1'S) ARE SPECIFIED ABOVE STOP SIGNS (R1-1'S). THESE BLADES SHALL BE ATTACHED DIRECTLY TO THE POST ABOVE THE R1-1, EACH STREET SHALL HAVE TWO SINGLE-SIDED BLADES INSTALLED BACK-TO-BACK ON THE OUTSIDE OF THE POST AND FASTENED AT THE EDGES.
7.

SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS OF THE MUTCD, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM THE CITY OF DUNWOODY.
8.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/POSTS/ PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS.
9.

THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION, MAINTENANCE AND REMOVAL OF TRAFFIC CONTROL SIGNS THROUGHOUT CONSTRUCTION. THIS INCLUDES CLEANING AND REPLACEMENT OF EXISTING SIGNS SHOULD THESE SIGNS NEED CLEANING, REPAIR OR REPLACEMENT DURING CONSTRUCTION.



Know what's below.
Call before you dig.

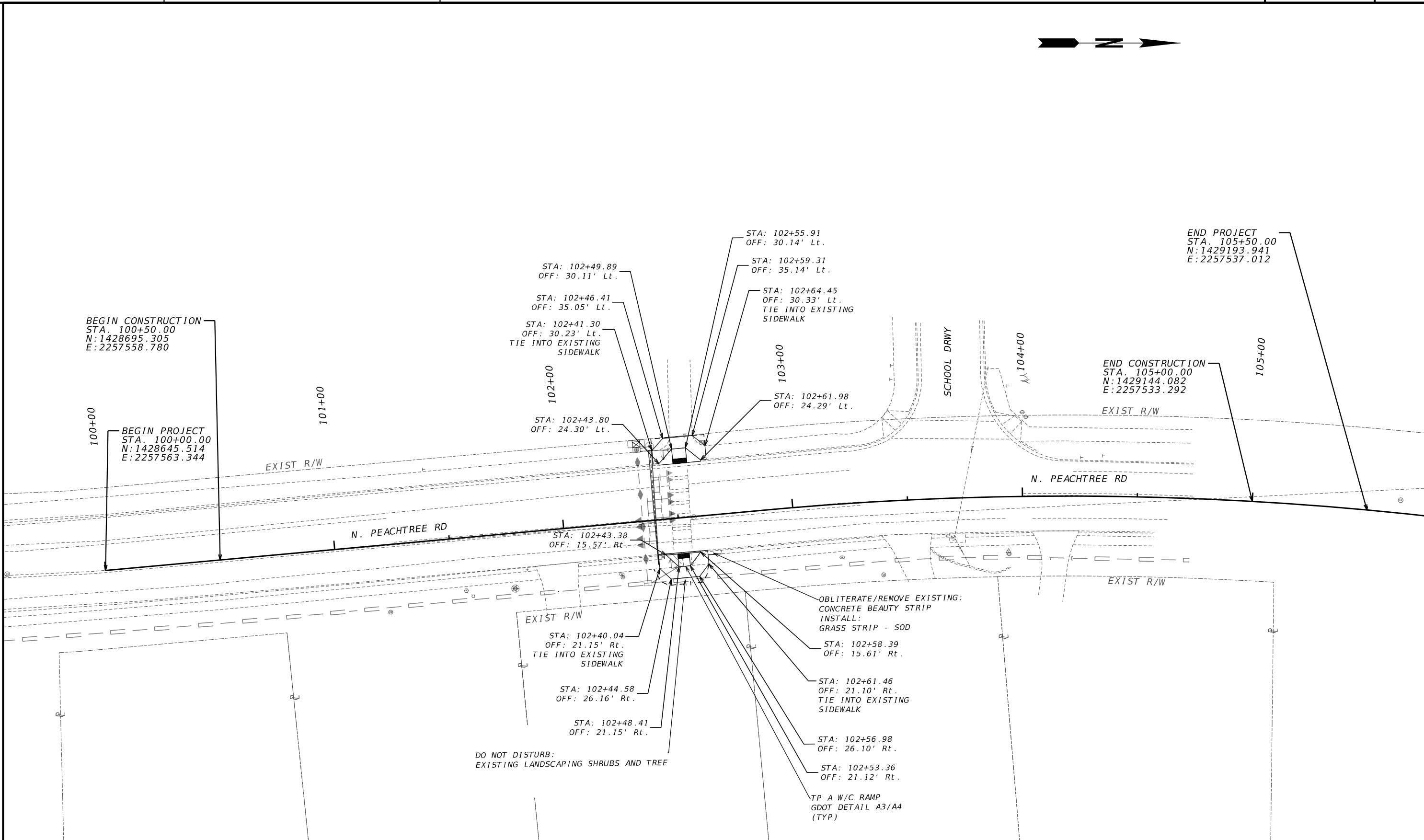
Pay Item #	Description	Unit	Quantity
	TRAFFIC CONTROL		
150-1000	TRAFFIC CONTROL	LS	1
	GRADING COMPLETE		
210-0100	GRADING COMPLETE	LS	1
	ROADWAY ITEMS		
441-0104	CONC SIDEWALK, 4 IN	SY	50
441-6216	CONC CURB & GUTTER, 8 IN X 24 IN, TP 2	LF	55
999-5200	DETECTABLE WARNING SURFACE	SF	24

Pay Item #	Description	Unit	Quantity
	TRAFFIC SIGNAL/ITS ITEMS		
639-3004	STEEL STRAIN POLE, TP IV (W/ 10' UPRIGHT EXTENSION AND W/50 FT MAST ARM) (FLUTED-BLACK FINISH)	EA	1
647-1020	PHB INSTALLATION NO. 1 - NORTH PEACHTREE ROAD	LS	1
682-2170	PULL BOX, TYPE 7	EA	1
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	240
682-9950	DIRECTIONAL BORE - 9 IN	LF	60
935-1512	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE, 12 FIBER	LF	125
935-3106	FIBER OPTIC CLOSURE, UNDERGROUND, 72 FIBER	EA	1
935-4502	FIBER PATCH PANEL, WALL MOUNT, 12 PORT	EA	1
937-4100	PEDESTRIAN DETECTION SYSTEM NO. 1 - NORTH PEACHTREE ROAD	LS	1
939-2300	FIELD SWITCH, TYPE A	EA	1
939-2390	SFP FIBER MODULE, TYPE 1	EA	2
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY (AERIAL SERVICE POINT)	EA	1

Pay Item #	Description	Unit	Quantity
	SIGNING AND MARKING ITEMS		
636-2070	GALV STEEL POSTS, TP 7	LF	112
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	24
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	220
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	100
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	169

Pay Item #	Description	Unit	Quantity
	EROSION CONTROL ITEMS		
163-0232	TEMPORARY GRASSING	AC	0.25
163-0240	MULCH	TN	0.5
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	100
171-0030	TEMPORARY SILT FENCE, TP A	LF	100
700-9300	SOD	SY	55

STANDARD ROADSIDE SIGNS														
HIGHWAY SIGNS													GALVANIZED	
STATION	OFFSET	SIDE	SIGN CODE	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9				HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11				TOTAL AREA	TYPE 7	
				W	X	H	FT ²	W	X	H	FT ²		FT ²	LENGTH (FEET)
NORTH PEACHTREE ROAD													1 POST	2 POST
100+52.16	16.48	RT	S1-1					36		36	9	9	15	
			W16-9P					30		18	3.75			
101+85.38	16.88	RT	R10-6	24		36	6					6	13	
101+85.77	31.37	LT	R4-4	36		30	7.5					7.5	13	
101+95.03	31.45	LT	R10-15R	28		30						6	13	
102+38.81	16.38	RT	S1-1					36		36	9		15	
			W16-7P					30		18	3.75			
102+65.80	31.25	LT	S1-1					36		36	9		15	
			W16-7P					30		18	3.75			
103+08.20	31.99	LT	R10-6	24		36	6					6	13	
104+51.05	17.17	LT	S1-1					36		36	9	9	15	
			W16-9P					30		18	3.75			
TOTAL							19.5				52	43.5	112	



PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

-----E-----

---C---F---

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

EXISTING LIMIT OF ACCESS

REQ'D LIMIT OF ACCESS

EXISTING LIMIT OF ACCESS & R/W

REQ'D LIMIT OF ACCESS & R/W

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

City of
Dunwoody
Georgia

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SCALE IN FEET

REVISION DATES		

CONSTRUCTION PLAN

NORTH PEACHTREE ROAD

PEDESTRIAN HYBRID BEACON CROSSING

CHECKED:	DATE:	DRAWING No. 13-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

UTILITY SYMBOLS

EXISTING	PROPOSED	TEMPORARY		EXISTING	PROPOSED	TEMPORARY	
			UTILITY POLE/GUY POLE				CLEANOUT
			LIGHT POLE				SANITARY SEWER MANHOLE
			GUY ANCHOR				AIR RELEASE VALVE
			MARKER				GREASE TRAP
			SPLICE BOX				SANITARY SEWER FORCE MAIN VALVE
			CABINET				GAS VALVE
			VENT				GAS METER
			ELECTRIC MANHOLE				GAS MANHOLE
			HAND HOLE				GAS PRESSURE REGULATOR
			TRANSFORMER				GAS VAULT
			ELECTRIC METER				GAS TEST STATION
			ELECTRIC BOX				PETROLEUM VALVE
			TELECOMMUNICATIONS MANHOLE	<div style="border: 1px solid black; padding: 5px;">FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS</div>			TRAFFIC CONTROL MANHOLE/ ELECTRIC COMMUNICATIONS BOX
			TELECOMMUNICATIONS PEDESTAL				TRAFFIC CONTROL PEDESTRIAN SIGNAL/BUTTON POST
			SUBSCRIBER LOOP CARRIER (aka "SLICK")				
			PHONE BOOTH				
			CABLE TV PEDESTAL				
			CABLE TV MANHOLE				
			WATER VALVE				
			WATER METER				
			WATER MANHOLE				
			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)				
			BACKFLOW PREVENTER				
			PRESSURE INDICATOR VALVE				
			AIR RELEASE VALVE				
			WELL				
			WATER VAULT				
			WATER VALVE MARKER				
			STAND PIPE				

MISCELLANEOUS

 TH
 EOI
 QL
 P
 SSWH
 UIA

QL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSTANCES THAT SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DIMENSIONS.

QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

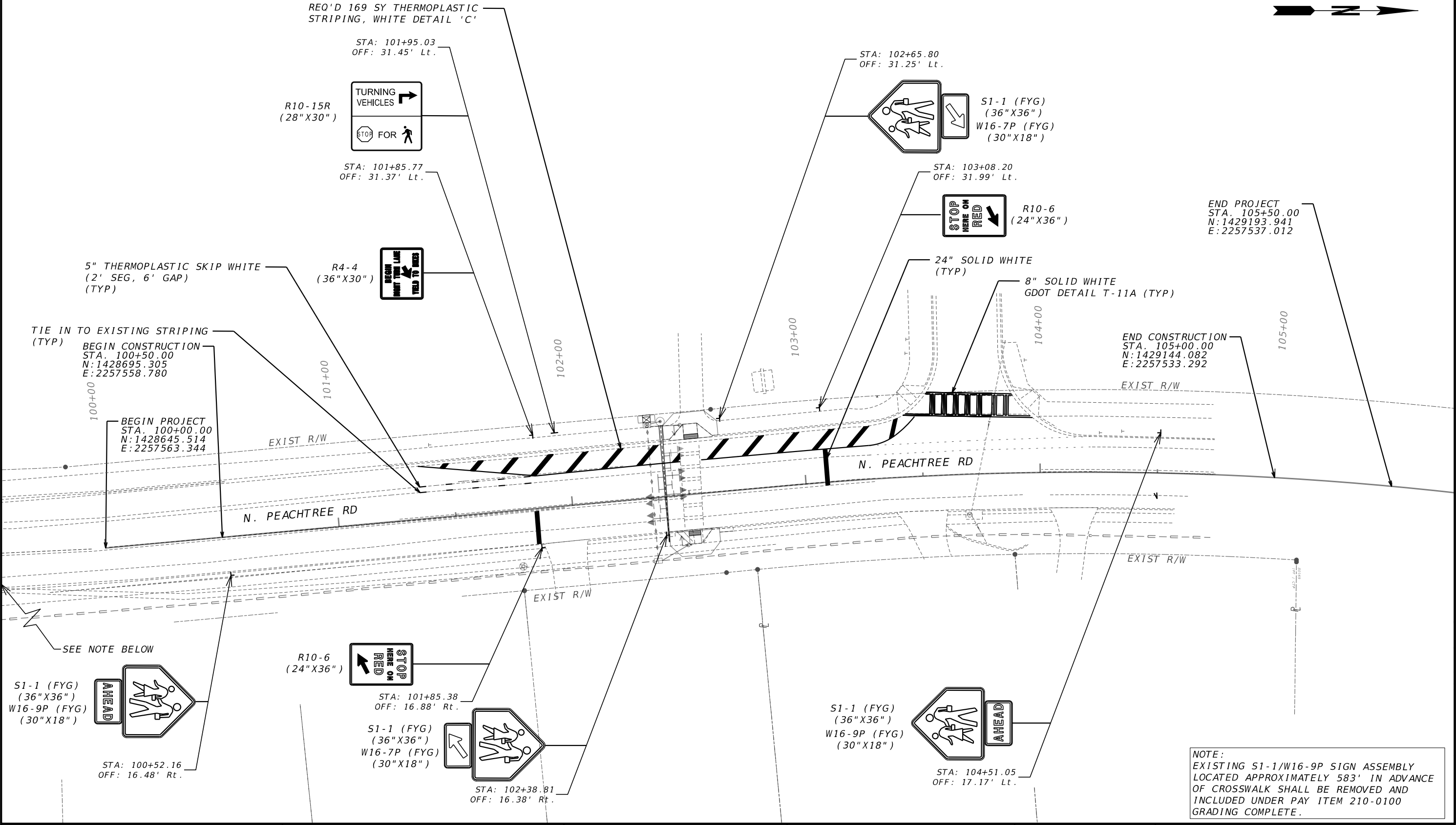
TELEPHONE PAIR SIZE	TELEPHONE CABLE DIAMETER
5 - 100	0.50 TO 2.00 IN
101 - 2400	UP TO 3.50 IN

UTILITY PLANS
NORTH PEACHTREE ROAD
PEDESTRIAN HYBRID BEACON CROSSING

24-0000



CHECKED:		DATE:		DRAWING No. 24-0001
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

-----R-----

-----C-----

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BEGIN LIMIT OF ACCESS.....BLA
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ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

City of
Dunwoody
Georgia

POND

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SCALE IN FEET

0

20

40

80

REVISION DATES

NO.	DATE	DESCRIPTION

SIGNING AND MARKING PLANS
NORTH PEACHTREE ROAD
PEDESTRIAN HYBRID BEACON CROSSING

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
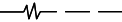


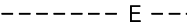
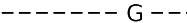


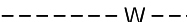






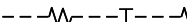


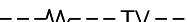

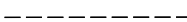



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



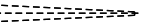
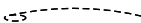












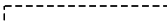




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DRAWING No.
26-0001

























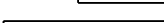

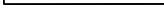








EXISTING UTILITIES

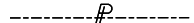
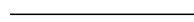
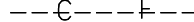




	EXISTING GUY WIRE
	EX. OH ELECTRIC
	EX POWER POLE
	EX TRANSFORMER
	EX. UG ELECTRIC
	EX GAS LINE
	EX GAS METER
	EX GAS VALVE
	EX WATER LINE
	EX FIRE HYDRANT
	EX WATER METER
	EX WATER VALVE
	EX SANITARY SEWER
	EX SS MANHOLE
	EX TELEPHONE MH
	EX OH TELEPHONE
	EX TELEPHONE POLE
	EX UG TELEPHONE
	EX OH CABLE TV
	EX UG CABLE TV
	EX STORM DRAIN
	EX CATCH BASIN
	EX DROP INLET
	EX SD MANHOLE





EXISTING SIGNAL

	CONTROLLER CABINET
	STRAIN POLE
	TIMBER POLE
	DOWN GUY
	MAST ARM
	STREET LIGHT
	3 SECTION HEAD
	5 SECTION HEAD
	OVERHEAD SIGN
	PEDESTAL POLE
	PED SIGNAL HEAD
	CURB CUT RAMP
	PULLBOX, TP 1
	PULLBOX, TP 2
	PULLBOX, TP 4
	PULLBOX, TP 5
	6x6 CALL LOOP
	6x18 CALL LOOP
	6x40 PRESENCE LOOP (DIPOLE)
	6x40 PRESENCE LOOP (QUADRUPOLE)
	CONDUIT
	RAILROAD CONTROLLER
	SIGN POST

PROPOSED SIGNAL

	CONTROLLER CABINET
	STRAIN POLE
	TIMBER POLE
	DOWN GUY
	MAST ARM
	STREET LIGHT
	3 SECTION HEAD
	3 SECTION HEAD W/ BACKPLATE
	4 SECTION HEAD
	4 SECTION HEAD W/ BACKPLATE
	5 SECTION HEAD
	5 SECTION HEAD W/ BACKPLATE
	OVERHEAD STREET NAME SIGN
	OVERHEAD SIGN
	PEDESTAL POLE
	PED SIGNAL HEAD
	CURB CUT RAMP
	PULLBOX, TP 2
	PULLBOX, TP 3
	PULLBOX, TP 4
	PULLBOX, TP 6
	PULLBOX, TP 7
	6x6 PULSE LOOP
	6x18 CALL LOOP
	6x40 PRESENCE LOOP (DIPOLE)
	6x40 PRESENCE LOOP (QUADRUPOLE)
	CONDUIT (BORED)
	CONDUIT (TRENCHED)
	RAILROAD CONTROLLER
	SIGN POST
	ELECTRICAL SERVICE POINT
	RADAR DETECTION DEVICE
	MAGNETOMETER DETECTION DEVICE
	VIDEO DETECTION DEVICE
	VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR	
& MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	

REVISION DATES

SIGNAL PLANS
PEDESTRIAN HYBRID BEACON CROSSING

LEGEND

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	27-0001

TRAFFIC SIGNAL GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT) STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF ROADS AND BRIDGES, 2021 (OR LATEST) EDITION AND SUPPLEMENTAL THERETO, AS PROVIDED BY THE FEDERAL HIGHWAY ADMINISTRATION.
2. INSTALLATION OF TRAFFIC SIGNAL AT THIS INTERSECTION IS TO BE CHECKED AND ACCEPTED BY THE CITY OF DUNWOODY TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.
3. THE PEDESTRIAN HYBRID BEACON (PHB) MIDBLOCK CROSSING INSTALLATIONS SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
4. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN GDOT SPECIFICATIONS.
5. ALL EXISTING STOP BARS, WORDS, ARROWS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS. SEALING/MEASURING PLANS AND VERIFYING FIELD CONDITIONS.
6. SAWCUTS AND REMOVAL OF ALL CONCRETE ASSOCIATED WITH CURB CUT RAMPS SHALL BE INCLUDED IN THE SIDEWALK PAY ITEM.
7. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPERATE EXPENSE TO THE CITY OF DUNWOODY, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS
8. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF DUNWOODY DEPARTMENT OF PUBLIC WORKS AT (678) 382-6700.
9. ALL TRAFFIC MARKINGS, SYMBOLS OR STRIPING TO BE REMOVED AND/OR REPLACED SHALL BE PAID FOR IN THE TRAFFIC CONTROL LUMP SUM ITEM, UNLESS SPECIFIED OTHERWISE IN THE PLANS.
10. PER CITY OF DUNWOODY STANDARDS AND REQUIREMENTS, ALL SIGNAL/STRAIN POLES, MAST ARM ASSEMBLIES, AND PEDESTRIAN PEDESTAL POLES AND BASES 13. SHALL BE BLACK POWDER-COATED. MAST ARM ASSEMBLIES SHALL CONSIST OF A VALMONT STRAIGHT, 16-SHARP FLUTED CONFIGURATION.
11. ALL VEHICULAR SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND PUSH BUTTONS SHALL BE BLACK IN COLOR.



Know what's below.
Call before you dig.



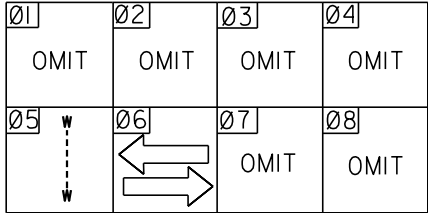
REVISION DATES

SIGNAL PLANS
PEDESTRIAN HYBRID BEACON CROSSING
GENERAL NOTES

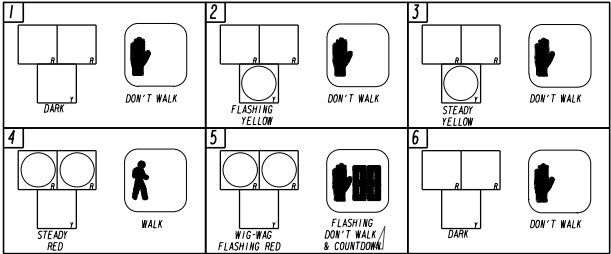
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27-0002

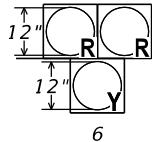
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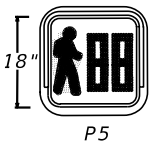
PEDESTRIAN HYBRID BEACON SEQUENCE



LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACK PLATE



PEDESTRIAN LED SIGNAL HEADS WITH COUNTDOWN



INSTALL:
332 CABINET WITH BASE
2070 LX CONTROLLER
PULL BOX, TP 6
CONDUIT, NM, TP 2, 2 IN, 7 EA
OSP F/O CABLE, DROP, SM, 12 FIBER - 10 LF
SFP FIBER MODULE, TYPE 1, 2 EA
FIBER PATCH PANEL, WALL MOUNT, 12 PORT
FIELD SWITCH, TYPE A

INSTALL:
9" DIRECTIONAL BORE - 60 LF
CONDUIT, NM, TP 3, 2 IN, 4 EA
OSP F/O CABLE, DROP, SM, 12 FIBER - 60 LF

BEGIN CONSTRUCTION
STA. 100+50.00
N:1428695.305
E:2257558.780

BEGIN PROJECT
STA. 100+00.00
N:1428645.514
E:2257563.344

INSTALL:
STEEL STRAIN POLE, TP IV
WITH 50' MAST ARM W/
10 FT UPRIGHT EXTENSION
STA. 102+39.82, 32.18' (LT)
CONDUIT, NM, TP 2, 2 IN, 3 EA
CONDUIT, NM, TP 2, 1 IN, 2 EA
SEE NOTES 3 & 4 BELOW

INSTALL:
PEDESTAL POLE, 10 FT
LED COUNTDOWN PEDESTRIAN SIGNAL (P5)
PUSH BUTTON STATION AND SIGN,
APS TECHNOLOGY, TYPE B
CONDUIT, NM, TP 2, 2 IN, 2 EA
CONDUIT, NM, TP 2, 1 IN, 1 EA

END PROJECT
STA. 105+50.00
N:1429193.941
E:2257537.012

END CONSTRUCTION
STA. 105+00.00
N:1429144.082
E:2257533.292

NOTES:

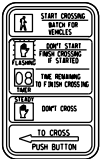
- CONTRACTOR SHALL REMOVE EXISTING RECTANGULAR RAPID FLASHING BEACON (RRFB) EQUIPMENT, INCLUDING PEDESTAL POLES, SIGNAGE, ETC. EQUIPMENT SHALL BE DELIVERED TO THE CITY OF DUNWOODY PUBLIC WORKS. PAYMENT SHALL BE INCLUDED IN PAY ITEM 647-1020.
- THE CONTRACTOR SHALL COORDINATE WITH GA POWER REGARDING POWER SERVICE POINT. PAYMENT FOR ALL NECESSARY COMPONENTS/EQUIPMENT SHALL BE INCLUDED IN PAY ITEM 939-5010 ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT. REFER TO SHEET 27-0005 FOR ADDITIONAL DETAILS RELATED TO UNDERGROUND FEED AND POWER SERVICE REQUIREMENTS.
- CITY OF DUNWOODY TO INSTALL FUTURE LIGHTING FIXTURE AT TOP OF MAST ARM UPRIGHT. UTILIZE (1 EA) PROPOSED 2" CONDUIT FOR LIGHT WIRING.
- CONTRACTOR SHALL ENSURE MAST ARM ASSEMBLY ACCOUNTS FOR FUTURE ADDITION OF 3-SECTION SIGNAL HEAD, AS SHOWN, TO ACCOMMODATE ADDITIONAL LOADING (SHOULD THE CITY DECIDE TO INSTALL).

PROPOSED POWER SERVICE POINT
SEE NOTE 2 BELOW

CUT EXISTING:
72-FIBER F/O INTERCONNECT TRUNK CABLE
INSTALL:
PULL BOX, TP 7
OSP F/O CABLE, MAINT. COIL, DROP, SM, 12 FIBER - 55 LF
F/O CLOSURE, UNDERGROUND, 72 FIBER

INSTALL:
PEDESTAL POLE, 10 FT
LED COUNTDOWN PEDESTRIAN SIGNAL (P5)
PUSH BUTTON STATION AND SIGN,
APS TECHNOLOGY, TYPE B
CONDUIT, NM, TP 2, 2 IN, 2 EA
CONDUIT, NM, TP 2, 1 IN, 1 EA

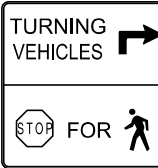
PEDESTRIAN SIGNS



R10-3E(L)
(9"x15")



R10-3E(R)
(9"x15")



R10-15R
(28"x30")



R10-23A
(28"x30")



R10-6
(24"x36")

R1-9A
(90"x24")



S1-1 (FYG)
(36"x36")



W16-7P (FYG)
(30"x18")



S1-1 (FYG)
(36"x36")

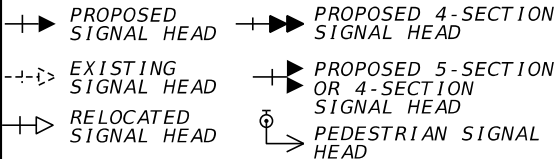


W16-9P (FYG)
(24"x12")

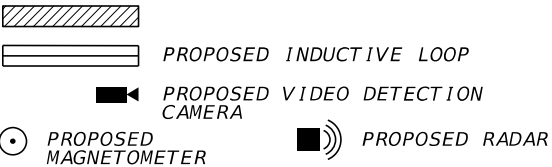
REGULATORY/WARNING SIGNS



SIGNAL LEGEND



DETECTION LEGEND



SCALE IN FEET



REVISION DATES

NO.	DATE	DESCRIPTION

SIGNAL PLANS

PHB INSTALLATION NO.1
NORTH PEACHTREE ROAD

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

LIST OF MATERIALS - MIDBLOCK PEDESTRIAN HYBRID BEACON CROSSING

LIST OF MATERIALS IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL MATERIALS AND QUANTITIES REQUIRED FOR INSTALLATION.

MATERIALS	UNIT	QUANTITY
CABINET CONTROLLER ASSEMBLIES		
A. CONTROLLER UNIT, MODEL 2070LX	EA	1
E. CABINET ASSEMBLY, 332L	EA	1
F. SWITCH PACK (LOAD SWITCH)	EA	2
L. 2018KCLIP SIGNAL MONITOR, TYPE B (ETHERNET)	EA	1
SIGNAL CABLE (14 AWG)		
7 CONDUCTOR, PER 1000 FT	REEL	1
1-SECTION, 16" X 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP (9" HIGH NUMBER & 12" SYMBOLS)	EA	2
3-SECTION, 12" SIGNAL HEAD LED-, BLACK HOUSING W/BLACK FRONT, PLASTIC	EA	4
BACKPLATE FOR ONE-WAY, 3 SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK W/ RETROREFLECTIVE STRIP	EA	4
HARDWARE FOR MAST ARM MOUNTING (BLACK)	EA	4
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY	EA	2
10' PEDESTAL POLE & SQUARE BASE - BLACK FINISH	EA	2
PULL BOX, PB-6	EA	1
CONDUIT, 1"	EA	60
CONDUIT, 2"	EA	140
R10-23A, CROSSWALK STOP ON RED SIGN	EA	2
R1-9A, OVERHEAD PEDESTRIAN CROSSING SIGN	EA	2
MISC. MATL. TO COMPLETE INSTALLATION	LUMP SUM	LUMP SUM

DETECTION SYSTEMS
LIST OF MATERIALS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
937-4100	PEDESTRIAN DETECTION SYSTEM NO. 1 - NORTH PEACHTREE ROAD	LUMP SUM	LUMP SUM
	A. DC ISOLATOR	EA	1
	B. 3-PAIR LOOP LEAD-IN CABLE, PER 1000 FT	EA	1
	C. PUSH BUTTON STATION AND SIGN, APS TECHNOLOGY, TYPE B	EA	2
	D. PUSH BUTTON STATION ADAPTER FOR 4" PEDESTAL POLE	EA	2

PAY ITEMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
639-3004	STEEL STRAIN POLE, TP IV (W/10 FT UPRIGHT EXTENSION AND 50 FT MAST ARM)(FLUTED-BLACK FINISH)	EA	1
647-1020	PHB INSTALLATION NO. 1 - NORTH PEACHTREE ROAD	LUMP SUM	LUMP SUM
682-2170	PULL BOX, TP 7	EA	1
682-6233	CONDUIT, NONMETAL, TP 3, 2 IN	LF	240
682-9950	DIRECTIONAL BORE - 9 IN	LF	60
935-1512	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE, 12 FIBER	LF	125
935-3106	FIBER OPTIC CLOSURE, UNDERGROUND, 72 FIBER	EA	1
935-4502	FIBER PATCH PANEL, WALL MOUNT, 12 PORT	EA	1
937-4100	PEDESTRIAN DETECTION SYSTEM NO. 1 - NORTH PEACHTREE ROAD	LUMP SUM	LUMP SUM
939-2300	FIELD SWITCH, TYPE A	EA	1
939-2390	SFP FIBER MODULE, TYPE 1	EA	2
939-5010	ELECTRICAL POWER SERVICE ASSEMBLY (AERIAL SERVICE POINT)*	EA	1

*THE CONTRACTOR SHALL COORDINATE WITH GA POWER REGARDING POWER SERVICE POINT. PAYMENT FOR ALL NECESSARY COMPONENTS/EQUIPMENT SHALL BE INCLUDED IN PAY ITEM 939-5010 ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT. REFER TO SHEET 27-0005 FOR ADDITIONAL DETAILS RELATED TO UNDERGROUND FEED

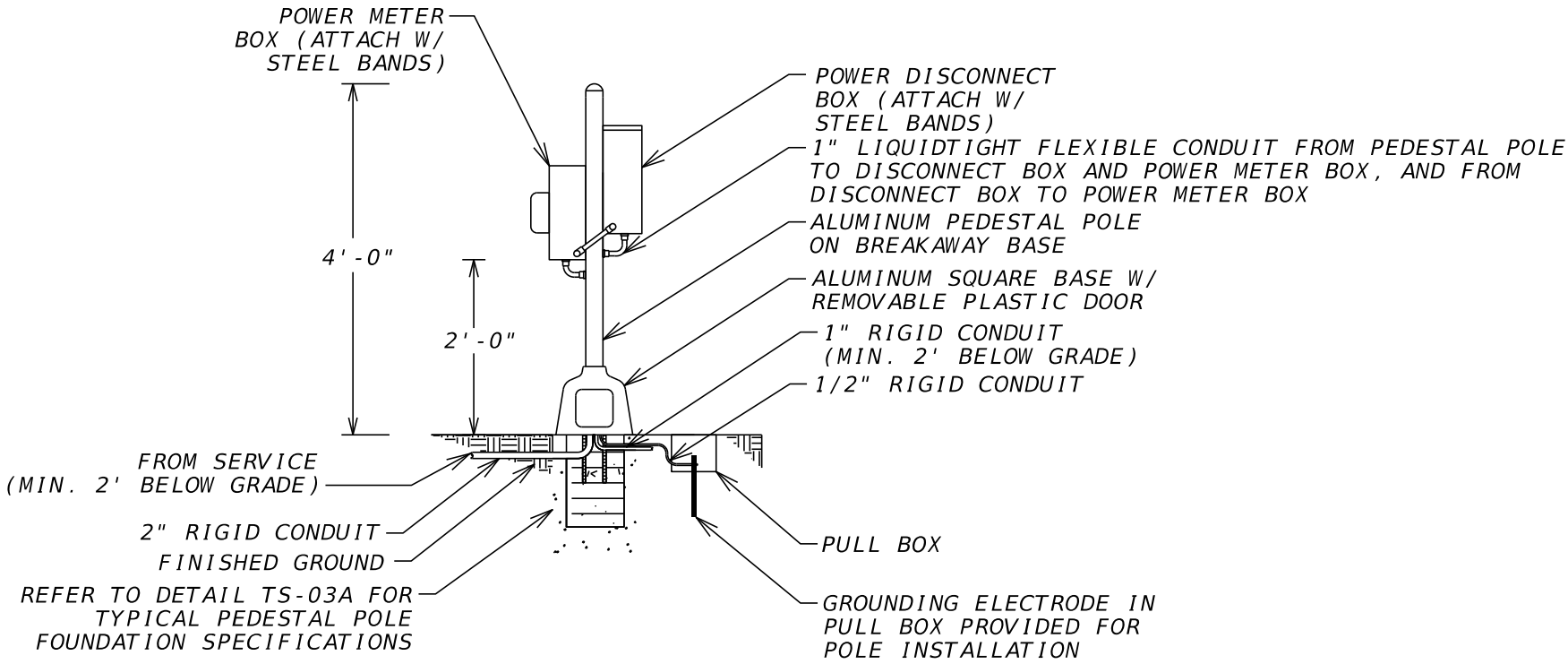


REVISION DATES

SIGNAL PLANS
PEDESTRIAN HYBRID BEACON CROSSING
SUMMARY OF QUANTITIES

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CORRECTED:	DATE:	
VERIFIED:	DATE:	

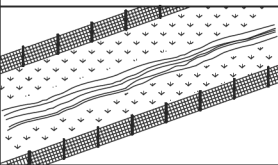

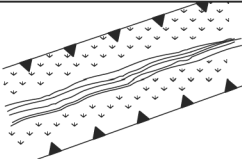

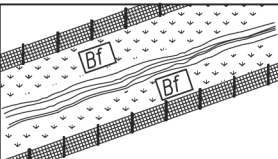

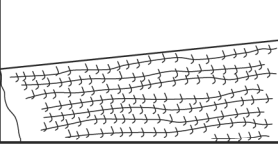

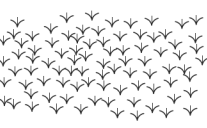

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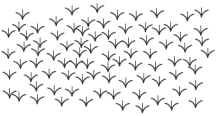

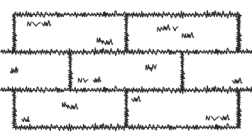

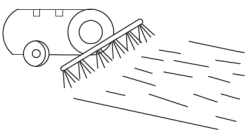





ELECTRIC POWER SERVICE DETAIL
NTS

- NOTES:
- 1. MOUNTING OF POWER METERS OR DISCONNECTS ON SIGNAL CONTROLLER CABINETS IS NOT PERMITTED.
 - 2. THE CONTRACTOR SHALL COORDINATE WITH GA POWER REGARDING POWER SERVICE POINT. PAYMENT FOR ALL NECESSARY COMPONENTS/EQUIPMENT SHALL BE INCLUDED IN PAY ITEM 939-5010 ELECTRICAL POWER SERVICE ASSEMBLY, AERIAL SERVICE POINT.

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VERIFIED:	DATE:	27-0005

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE	 ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	LINE CODE	 ESA-25' (OR 50') STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL		
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		
Ds2	TEMPORARY GRASSING SECTION 163,700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700,890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN		
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163,700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
	SYMBOL	 POLYACRYLAMIDE	
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
	PATTERN		



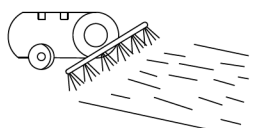

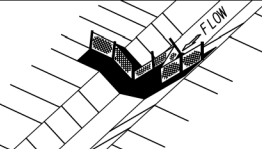

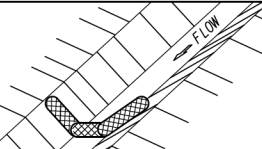

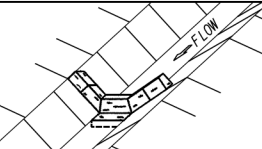

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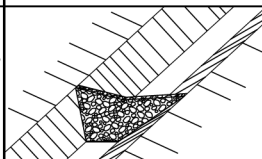


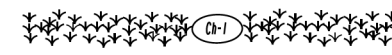
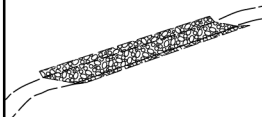
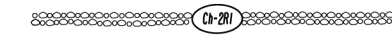
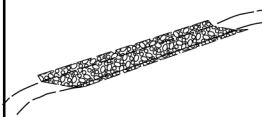
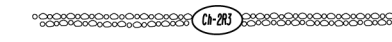
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

REVISION DATES

EROSION CONTROL LEGEND
NORTH PEACHTREE ROAD
PEDESTRIAN HYBRID BEACON CROSSING

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
	PATTERN 		
Tac	TACKIFIERS SECTION 163, 700, 895		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
	SYMBOL  POLYACRYLAMIDE		
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL 		
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL 		
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
	SYMBOL 		
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
	LINE CODE 		
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE 		
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
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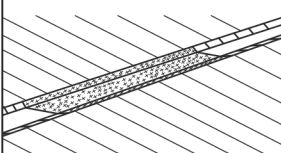

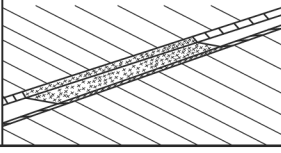
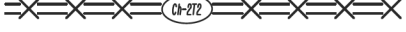
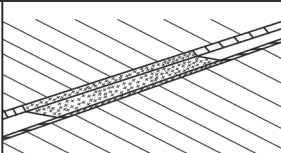

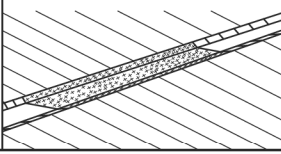

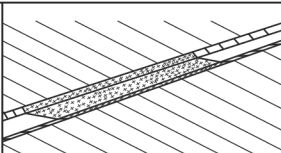
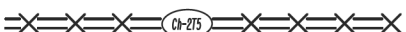
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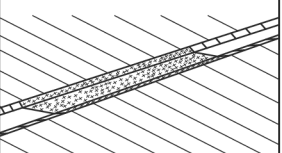

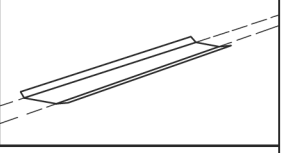
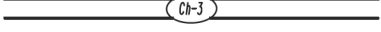
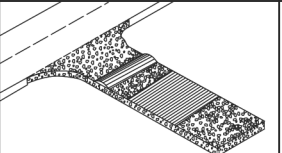

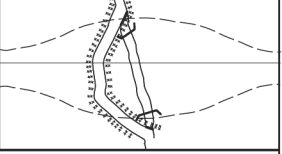
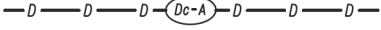
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

REVISION DATES

EROSION CONTROL LEGEND
NORTH PEACHTREE ROAD
PEDESTRIAN HYBRID BEACON CROSSING

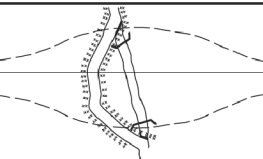
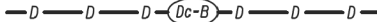
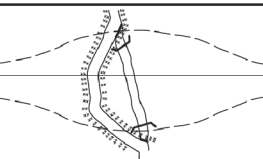
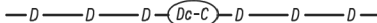
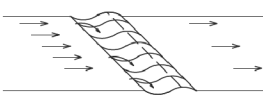
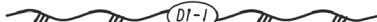
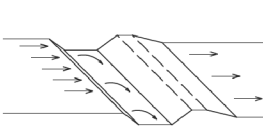
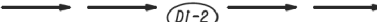
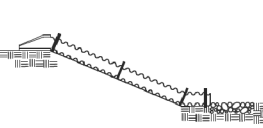

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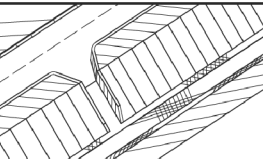
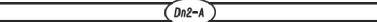
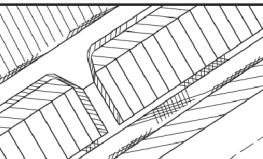
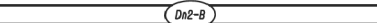
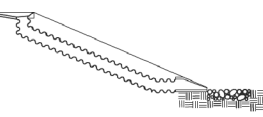
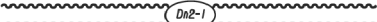
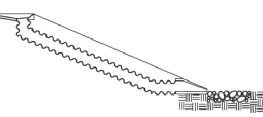

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441		CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/- 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163,800		A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS.
	SYMBOL		ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps.
	LINE CODE		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

- NOTE:
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 - FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

REVISION DATES			EROSION CONTROL LEGEND			
			NORTH PEACHTREE ROAD			
			PEDESTRIAN HYBRID BEACON CROSSING			
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps.
	SECTION 163	<div>LINE CODE</div> <div></div>	THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps.
	SECTION 163	<div>LINE CODE</div> <div></div>	THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
DI-1	DIVERSION BERM		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS 'Dn1' OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	CONSTRUCTION DETAIL D-47 SECTION 205	<div>LINE CODE</div> <div></div>	
DI-2	DIVERSION CHANNEL		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION.
	SECTION 205	<div>LINE CODE</div> <div></div>	REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'.
	CONSTRUCTION DETAIL D-19 SECTION 163	<div>LINE CODE</div> <div></div>	THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
		<div>LINE CODE</div> <div></div>	
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
		<div>LINE CODE</div> <div></div>	
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
		<div>LINE CODE</div> <div></div>	
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
		<div>LINE CODE</div> <div></div>	


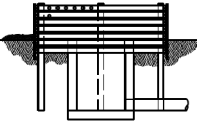





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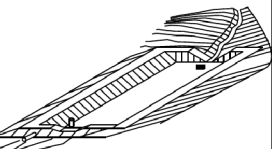
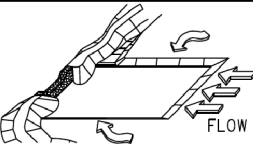
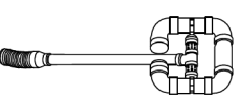
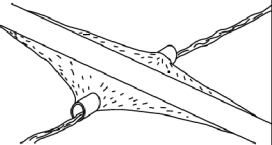
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.

REVISION DATES

EROSION CONTROL LEGEND
NORTH PEACHTREE ROAD
PEDESTRIAN HYBRID BEACON CROSSING

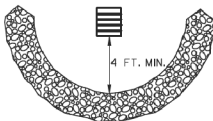



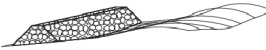



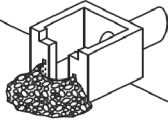

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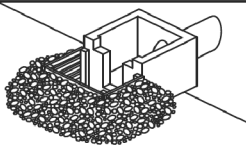
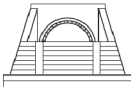


CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS.
	LINE CODE * * * Sd1-BB * * *		TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163	 OR  OR 	(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%.
	SYMBOL Sd2-F		THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS.
	SYMBOL Sd3		SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET.
	SYMBOL Sd4-C		A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS.
	SYMBOL Sk		SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN.
	SYMBOL Sr		THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!

- NOTE:
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 - FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR ADDITIONAL INFORMATION ON USAGE.
	SYMBOL 		
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH *57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	SYMBOL 		
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH *57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT, THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
	LINE CODE 		
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
	PATTERN 		
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA.
	SYMBOL 		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
<div>Rt-B</div>	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5' - 1.0' SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES
	SYMBOL <div>Rt-B</div>		REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA.
<div>Rt-Sg1</div> <div>Rt-Sg2</div> <div>Rt-Sg3</div>	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163	 FRONT VIEW	A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
SYMBOL <div>Rt-Sg1</div> <div>Rt-Sg2</div> <div>Rt-Sg3</div>			
<div>SdI-NS</div>	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'.
	LINE CODE <div>— A — A — A — SdI-NS — A — A — A —</div>		IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
<div>SdI-S</div>	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER.
	LINE CODE <div>— C — C — C — SdI-S — C — C — C —</div>		ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.

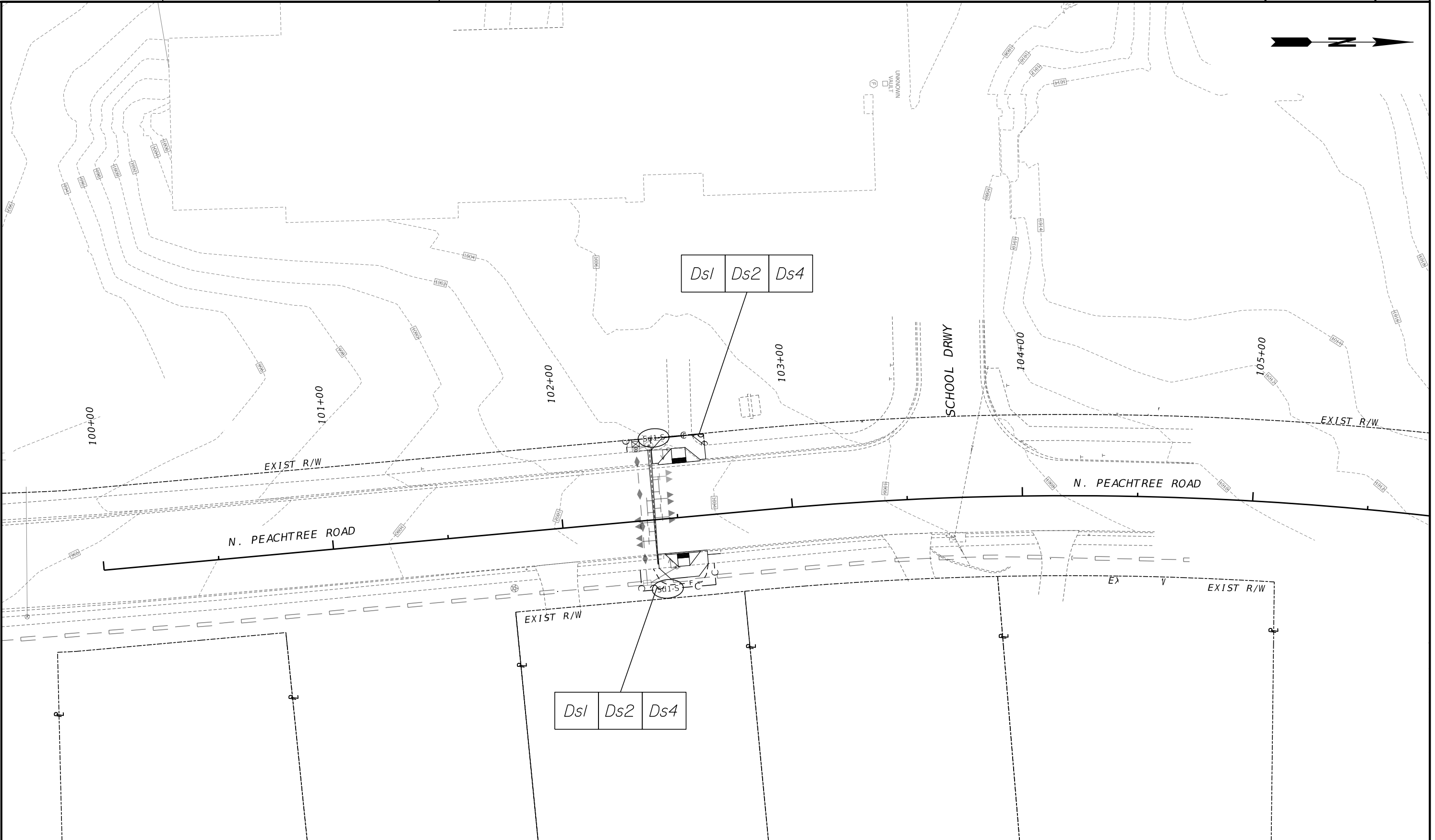
NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

<i>CODE</i>	<i>PRACTICE STD OR DETAIL SPEC. SECT.</i>	<i>DETAIL</i>	<i>DESCRIPTION</i>

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

REVISION DATES			EROSION CONTROL LEGEND			
			NORTH PEACHTREE ROAD			
			PEDESTRIAN HYBRID BEACON CROSSING			
			CHECKED:		DATE:	
			BACKCHECKED:		DATE:	
			CORRECTED:		DATE:	
			VERIFIED:		DATE:	
						DRAWING No. 52-0007



EROSION CONTROL LEGEND

SILT FENCE TYPE "C"

ORANGE FENCE

INLET SEDIMENT TRAP

EROSION CONTROL MATTING

—C—C—Sd1-S—C—

Sd2-P

Mo

RIP RAP

MULCHING

TEMPORARY GRASSING

PERMANENT GRASSING

DUST CONTROL

S1-Rd

Ds1

Ds2

Ds3

Ds4

Du

City of
Dunwoody
Georgia

POND

Architects • Engineers • Planners

SCALE IN FEET

0

20

40

80

REVISION DATES

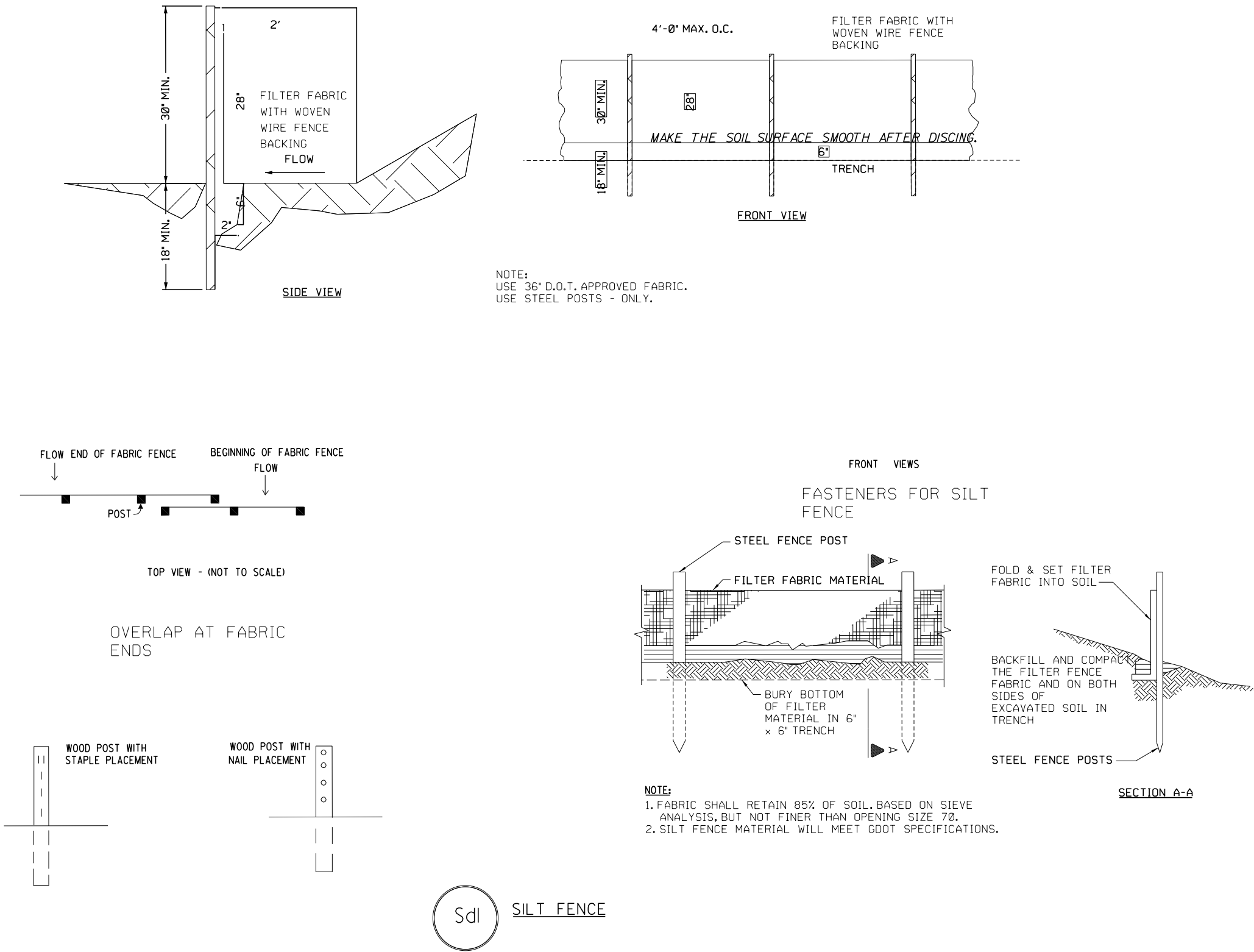
BMP LOCATION DETAILS

NORTH PEACHTREE ROAD

PEDESTRIAN HYBRID BEACON CROSSING

CHECKED:	DATE:	DRAWING No.: 54-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

GPLN-CE
11/05/2020



Species	Broadcast Rates - PLS Per Acre	Broadcast Rates - PLS Per 1000 sq.ft.	Planting Dates (Solid lines indicate optimum dates,dotted lines indicated permissible but marginal dates.)
BARLEY (Hordeum vulgare) alone In mixtures	3 bu.(144 lbs.) 1/2 bu.(24 lbs.)	3.3 lb. 0.6 lb.	J F M A M J J A S O N D
LESPEDEZA,ANNUAL (lespedeza striata) alone In mixtures	40 lbs. 10 lbs.	0.9 lb. 0.2 lb.	J F M A M J J A S O N D
LOVEGRASS,weeping (Eragrostis curvula) alone In mixtures	4 lbs. 2 lbs.	0.1 lb. 0.05 lb.	J F M A M J J A S O N D
MILLET,BROWNTOP (Panicum fasciculatum) alone In mixtures	40 lbs. 10 lbs.	0.9 lb. 0.2 lb.	J F M A M J J A S O N D
MILLET,PEARL (Pennisetum glaucum) alone	50 lbs.	1.1 lb.	J F M A M J J A S O N D
OATS (Avena sativa) alone In mixtures	4 bu.(128 lbs.) 1 bu.(32 lbs.)	2.9 lb. 0.7 lb.	J F M A M J J A S O N D
RYE (Secale cereale) alone In mixtures	3 bu.(168 lbs.) 1/2 bu.(28 lbs.)	3.9 lb. 0.6 lb.	J F M A M J J A S O N D
RYEGRASS,ANNUAL (Lolium temulentum) alone	40 lbs.	0.9 lb.	J F M A M J J A S O N D
SUDANGRASS (Sorghum sudanese) alone	60 lbs.	1.4 lb.	J F M A M J J A S O N D
WHEAT (Triticum aestivum) alone In mixtures	3 bu.(180 lbs.) 1/2 bu.(30 lbs.)	4.1 lb. 0.7 lb.	J F M A M J J A S O N D

TEMPORARY SEEDING
SEEDBED PREPARATION: When using conventional or hand-seeding,seedbed preparation is not required if the soil material is loose and not sealed by rainfall. When soil has been sealed by rainfall or consists of smooth undisturbed cut slopes, the soil shall have pitted,trenched or otherwise scarified to provide a place for seed to lodge and germinate.
LIME AND FERTILIZER: Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre.Graded areas require lime application. Soils can be tested to see if fertilizer is needed. On reasonably fertile soils or soil material,fertilizer is not required. For soils with very low fertility,500 to 700 pounds of 10-10-10 fertilizer of the equivalent per acre (12-16 LBS/1000 sq.ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk,ripper or chisel.
SEEDING: Refer to temporary seeding chart this page. Apply seed uniformly by hand,cyclone seeder,drill,cultipacker-seeder,or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Approximate depth of plantings is ten times the seed diameter. Soil should be raked lightly to cover seed with soil if seeding by hand.
MULCHING: Apply 2.5 tons of dry pine straw per acre of seeded area.

TABLE 1.SOME TEMPORARY PLANT SPECIES,SEEDING RATES AND PLANTING DATES

Species	Rates per 1,000 sq. ft.	Rates per Acre	Region M-L (Mountain, Blue Ridge, Ridges and Valley)	Region P (Southern Piedmont)	Region C (Southern Coastal Plain,Sand Hills, Black Lands,and Atlantic Coastal Flatwoods)
Barley alone	3.3 lbs.	3 bu.	9 Sept.- 31 Oct.	15 Sept.- 15 Nov.	1 Oct.- 31 Dec.
Barley,In mixtures	0.6 lbs.	0.5 bu.			
Lespedeza,Annual	0.9 lbs.	40 lbs.	1 Mar.- 31 Mar.	1 Mar.- 31 Mar.	1 Feb.- 28 Feb.
Lespedeza,In mixtures	0.2 lbs.	10 lbs.			
Lovegrass,weeping	0.1 lbs.	4 lbs.	1 Apr.- 31 May	1 Apr.- 31 May	1 Mar.- 31 May
Lovegrass,In mixtures	0.05 lbs.	2 lbs.			
Millet,browntop	0.9 lbs.	40 lbs.	15 Apr.- 15 Jun.	15 Apr.- 30 Jun.	15 Apr.- 30 Jun.
Millet,In mixtures	0.2 lbs.	10 lbs.			
Millet,pearl	1.1 lbs.	50 lbs.	15 May - 15 Jul.	1 May - 31 Jul.	15 Apr.- 15 Aug.
Oats,alone	2.99 lbs.	4 bu.	15 Sept.- 15 Nov.	15 Sept.- 15 Nov.	15 Sept.- 15 Nov.
Oats,In mixtures	0.7 lbs.	1 bu.			
Rye (grain),alone	3.9 lbs.	3 bu.	15 Aug.- 31 Oct.	15 Sept.- 30 Nov.	1 Oct.- 31 Dec.
Rye,In mixtures	0.6 lbs.	0.5 bu.			
Ryegrass	0.9 lbs.	40 lbs.	15 Aug.- 15 Nov.	1 Sept.- 15 Dec.	15 Sept.- 31 Dec.
Sudangrass	1.4 lbs.	60 lbs.	1 May - 31 Jul.	1 May - 31 Jul.	1 Apr.- 31 Jul.
Triticale,alone	3.3 lbs.	3 bu.			
Triticale,In mixtures	0.6 lbs.	0.5 bu.	-	-	15 Oct.- 30 Nov.
Wheat,alone	4.1 lbs.	3 bu.	15 Sept.- 30 Nov.	1 Oct.- 15 Dec.	15 Oct.- 31 Dec.
Wheat,In mixtures	0.7 lbs.	0.5 bu.			

- 1.Unusual site conditions may require heavier seeding rates.
2.Seeding dates may need to be altered to fit temperature variations and local conditions.
3.For major land resource areas (MLRAs),see "TACKIFIERS AND BINDERS" of the Manual for Erosion and Sediment Control In Georgia,latest edition.
4.Seeding rates are based on pure live seed (PLS).

INSTALLATION NOTES:

- 1.Install all ES&PC measures prior to applying temporary vegetation.
2.Grading or shaping are not required if slopes can be planted with a hydroseeder or by hand-seeding.
3.Seedbed preparation is not required if soil is loose and not sealed by rain.
4.When the soil is sealed or crusted,it should be pitted,trenched or scarified to provide a place for seed to lodge and germinat.
5.Agricultural lime is not required.
6.Fertilize low fertility soils prior to or during planting at the rate of 500-700 LBS./ acre of 10-10-10 or equivalent (12-16 LBS./ 1000 sq.ft.).
7.It is imperative that you check the tag on the bag of seed to verify the type and germination of the seed to be planted.
8.Apply seed by hand,cyclone seeder,drill or hydro-seeder. Seed planted with a drill should be planted 1/4" -1/2" deep.
9.Apply in accordance with specifications on the ES&C plan. If information is not available,select a temporary cover from Table 1.
10.Temporary cover shall be applied to all disturbed areas left idle for 14 days. (If an area is left idle for 6 months,permanent cover shall be applied.)

MAINTENANCE NOTE:

Re-seed areas where an adequate stand of temporary vegetation fails to emerge orwhere a poor stand exists.

TABLE 2.FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N Top Dressing Rate (lbs./acre)
Cool season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	1000	-
	Maintenance	10-10-10	400	30
Cool season grasses and legumes	First	6-12-12	1500	0-50
	Second	0-10-10	1000	-
	Maintenance	0-10-10	400	-
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First	6-12-12	1500	50-100
	Second	6-12-12	800	50-100
	Maintenance	10-10-10	400	30

DISTURBED AREA STABILIZATION
WITH MULCHING AND TEMPORARY SEEDING

Ds1

Ds2

SCALE: NTS



REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
NORTH PEACHTREE ROAD
PEDESTRIAN HYBRID BEACON CROSSING

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

56-0002

Sodding

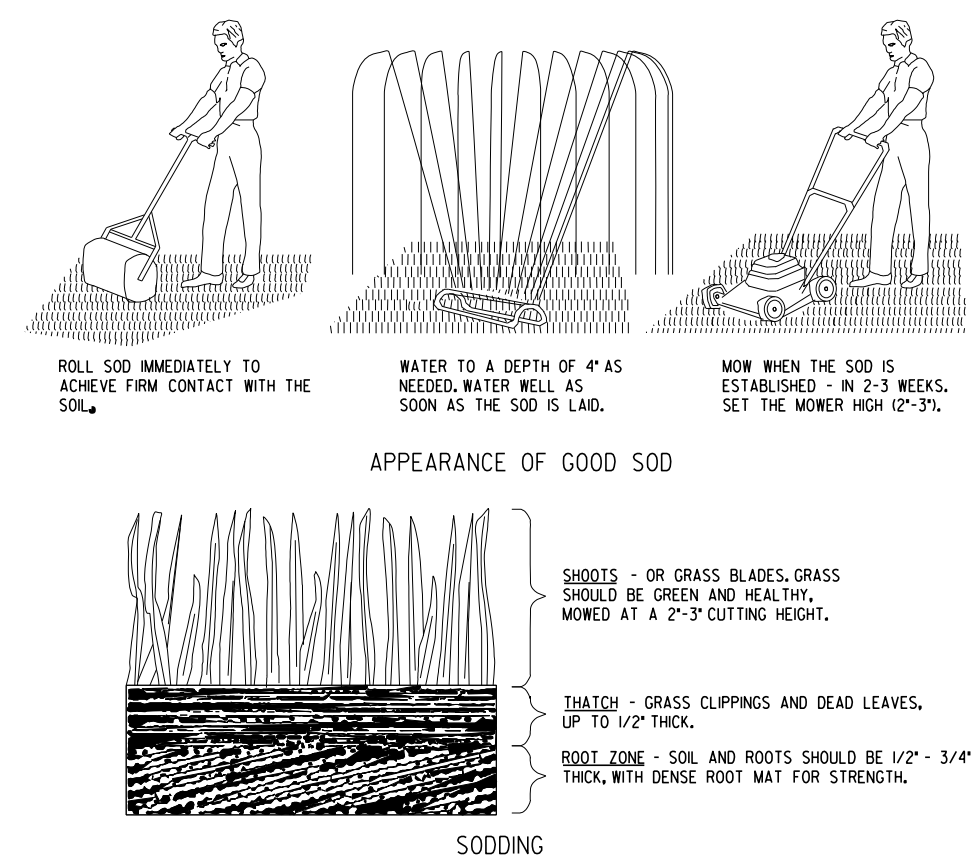
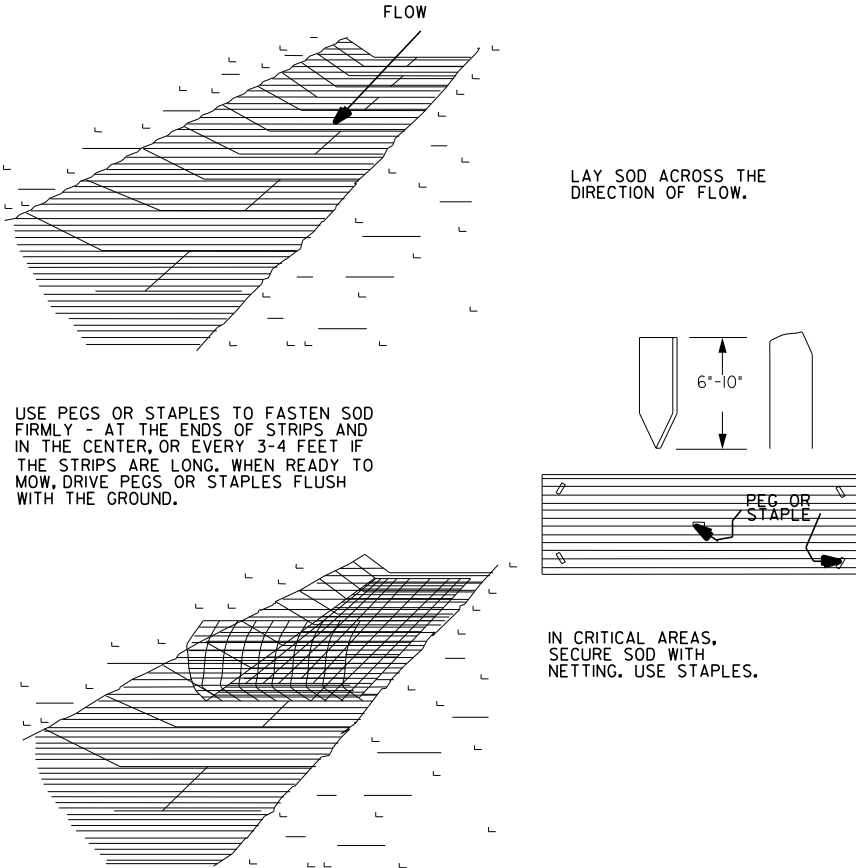
Soil Preparation:
Bring soil surface to final grade. Clear surface of trash,woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces or gravel type soils. Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with herbicides or soil sterilants. Mix fertilizer into soil surface. Fertilize based on soil test or according to Chart. Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Installation:
Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod. On slopes steeper than 3:1, sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil. Irrigate sod and soil to a depth of 4" immediately after installation. Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.

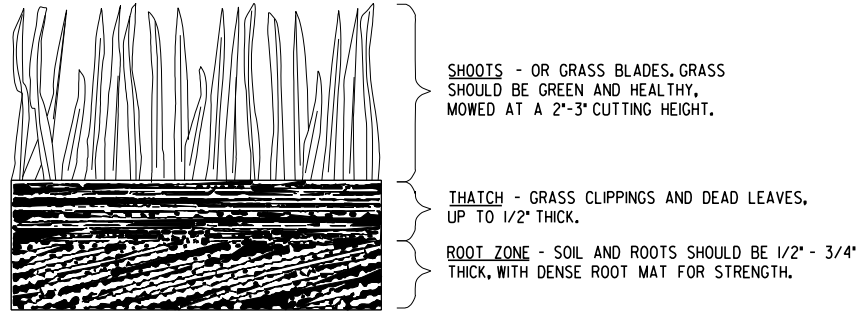
Materials:
Sod selected should be certified. Sod grown in the general area of the project is desirable.

1. Sod should be machine cut and contain 3/4" (+ or -1/4") of soil, not including shoots or thatch.
2. Sod should be cut to the desired size within + or -5%. Torn or uneven pads should be rejected.
3. Sod should be cut and installed within 36 hours of digging.
4. Avoid planting when subject to frost heave or hot weather if irrigation is not available.
5. The sod type should be shown on the plans or installed according Sod Planting Requirements Table.

Maintenance:
Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified. Apply one ton of agricultural lime as indicated by soil tests or every 4-6 years. Fertilize grasses in accordance with soil tests or Fertilizer Requirements for Sod Table.



APPEARANCE OF GOOD SOD



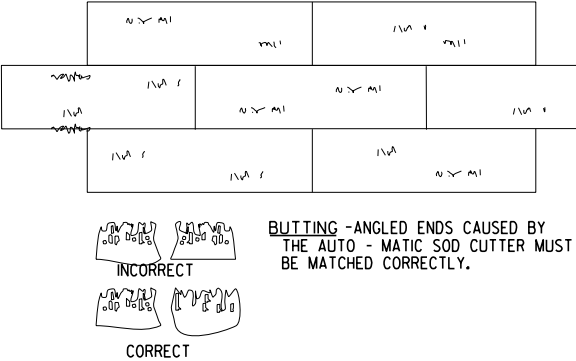
SODDED WATERWAYS

LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.

Sod Planting Requirements			
Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common	M-L, P, C P, C P, C	Warm Weather
	Tifway		
	Tifgreen Tiflawn		
Bahia grass	Pensacola	P, C	Warm Weather
Centipede	-	P, C	Warm Weather
St. Augustine	Common Bitterblue Raleigh	C	Warm Weather
Zoysia	Emerald Myer	P, C	Warm Weather
Tall Fescue	Kentucky	M-L, P	Cool Weather

Fertilizer Requirements for Sod				
Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs. / acre)	Nitrogen Top Dressing Rate (lbs. / acre)
Cool season grasses	First	6-12-12	1500	50-100
	Second Maintenance	6-12-12 10-10-10	1000 400	- 30
Warm season grasses	First	6-12-12	1500	50-100
	Second Maintenance	6-12-12 10-10-10	800 400	50-100 30

Fertilizer Requirements for Soil Surface Application			
Fertilizer Type	Fertilizer Rate (lbs. / acre)	Fertilizer Rate	Season
10-10-10	1000	0.025	Fall



SEEDING SCHEDULE
PERMANENT COVER (SOD)
SCALE: NTS

Ds4

REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
NORTH PEACHTREE ROAD
PEDESTRIAN HYBRID BEACON CROSSING

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

56-0003