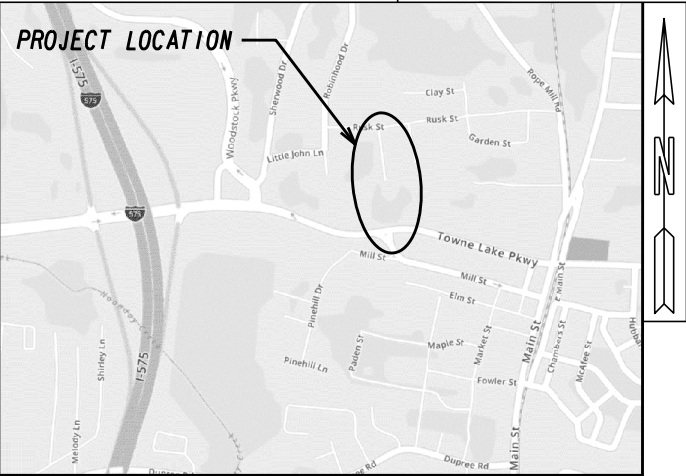


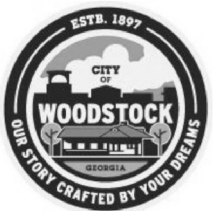


DEPARTMENT OF PUBLIC WORKS

CITY OF WOODSTOCK

PLAN AND PROFILE OF PROPOSED

LYNDEE LANE EXTENSION



Project No. 30115098
- WA No. 34



MIDPOINT COORDINATE
STATION 404+21.69
N 1492838.1257
E 2188435.5872

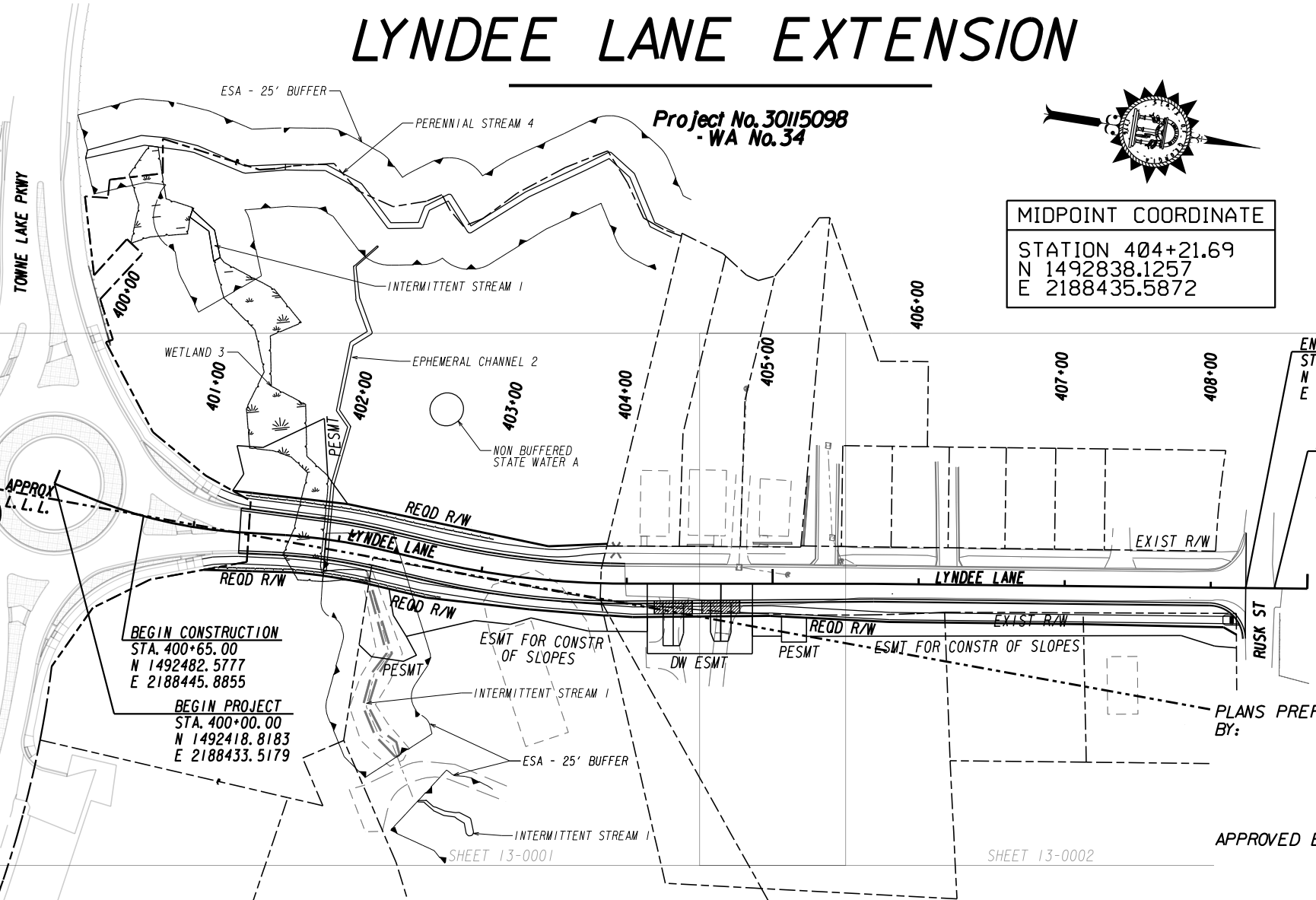
THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

LOCATION & DESIGN APPROVAL DATE:

THIS PROJECT IS 100% IN CHEROKEE COUNTY AND IS 100% IN CONG.DIST.NO.II.

DESIGN DATA:	LYNDEE LANE
TRAFFIC A.D.T.:	< 750 (2022)
TRAFFIC A.D.T.:	< 750 (2042)
TRAFFIC D.H.V.:	N/A
DIRECTIONAL DIST:	50 %
% TRUCKS:	0.0 %
24 HR.TRUCKS %:	0.0 %
SPEED DESIGN:	25 MPH
FUNCTIONAL CLASS:	LOCAL ROAD

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 WOODSTOCK IN ANY WAY.



END CONSTRUCTION
STA. 408+23.85
N 1493235.6799
E 2188374.8709

END PROJECT
STA. 408+43.37
N 1493254.9805
E 2188372.0027

PREPARED BY:
ARCADIS
2839 Paces Ferry Road, Suite 900
Atlanta, Georgia, 30339
Tel: 770-431-8666
Fax: 770-435-2666

PLANS PREPARED BY: _____
CLINT BUTLER, PE

APPROVED BY: _____
PUBLIC WORKS DIRECTOR

APPROVED BY: _____
CITY MANAGER

LENGTH OF PROJECT	
	COUNTY No. 057
	Project No. 30115098
	MILES
NET LENGTH OF ROADWAY	0.1598
NET LENGTH OF BRIDGES	0.0000
NET LENGTH OF PROJECT	0.1598
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF PROJECT	0.1598



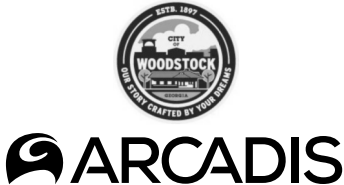
PLANS COMPLETED --	
REVISIONS	

INDEX OF PLAN SHEETS	
Dwg. No.	Description
1-0001	Cover Sheet
2-0001	Index Sheet
3-0001	Revision Summary Sheet
4-0001 to 4-0002	General Notes
5-0001	Typical Sections
6-0001 to 6-0000	Summary of Quantities
7-0001	Quantities by Amendment
8-0001	Quantities on Construction
13-0001 to 13-0002	Mainline Plan
15-0001	Mainline Profiles
17-0001	Driveway Profiles
19-0001 to 19-0004	Staging Plan
21-0001 to 21-0003	Drainage Area map
22-0001 to 22-0002	Drainage Profiles
23-0001 to 23-0005	Cross Sections
24-0000 to 24-0002	Utility Plans
26-0001 to 26-0002	Signing and Marking Plans
52-0001 to 52-0007	Erosion Control Legend (See List Under ESPCP Details)
54-0001 to 54-0002	BMP Location Details
56-0001 to 56-0012	EC Const Stds & Details
60-0001 to 60-0005	Right of Way Plan

LIST OF APPLICABLE GEORGIA DOT ESPCP CONSTRUCTION DETAILS		
Drawing no.	DESCRIPTION	DATE
D-7	Berm Ditches, Side Ditches, Surface Ditches	7/1/1980
D-20	Silt Control Gates for Structures Type - 1, 2, and 3	4/22/2016
D-24A	Temporary Silt Fence (Sheet 1 of 4)	1/19/2011
D-24B	Temporary Silt Fence Berm Ditch, Installation, Brush Barrier (Sheet 2 of 4)	1/19/2011
D-24C	Temporary Silt Fence J-Hooks, Inlet Sediment Traps (Sheet 3 of 4)	1/19/2011
D-24D	Temporary Silt Fence Fabric Check Dam (Sheet 4 of 4)	7/1/2015
D-35	Permanent Soil Reinforcing Mat (Turf Reinforcing Mat) Installation on ditches	1/19/2011
D-41	Construction Exit	11/4/2020
D-42	Inlet Sediment Traps	5/7/2008
D-43	Rock Filter Dam	4/22/2016
D46	STONE FILTER RING	7/5/2018
D-55A	RipRap Outlet Protection(Sheet 1 of 2)	4/22/2016
D-55B	RipRap Outlet Protection(Sheet 2 of 2)	4/22/2016
EC-L1	Erosion Control Legend and Uniform Code Sheet (Sheet 1 of 7)	3/2/2017
EC-L2	Erosion Control Legend and Uniform Code Sheet (Sheet 2 of 7)	11/28/2018
EC-L3	Erosion Control Legend and Uniform Code Sheet (Sheet 3 of 7)	3/2/2017
EC-L4	Erosion Control Legend and Uniform Code Sheet (Sheet 4 of 7)	3/2/2017
EC-L5	Erosion Control Legend and Uniform Code Sheet (Sheet 5 of 7)	3/2/2017
EC-L6	Erosion Control Legend and Uniform Code Sheet (Sheet 6 of 7)	11/28/2018
EC-L7	Erosion Control Legend and Uniform Code Sheet (Sheet 7 of 7)	3/2/2017

LIST OF APPLICABLE GEORGIA DOT STANDARDS		
Drawing	DESCRIPTION	DATE
1019a	Drop Inlets	8/1/1999
1019ap	Precast Drop Inlets	8/1/1999
1030d1	Concrete and Metal Pipe Culverts Sheet 1 of 3	9/1/2001
1030d2	Concrete and Metal Pipe Culverts Sheet 2 of 3	9/26/2001
1030d3	Concrete and Metal Pipe Culverts Sheet 3 of 3	9/26/2001
1030p	Thermoplastic Pipe	11/14/2019
1033d	Catch Basins (For use with 6'' or 8'' Ht. curb and gutter)	8/1/1982
1033dp	Precast Catch Basins (For use with 6'' or 8'' Precast Ht. curb and gutter)	9/1/1982
1125	Inlet Headwall - Outlet Headwall.	10/1/1999
1401	Pavement Patching Details (Storm Drain or Utility Installations by Open Cut Across Existing	8/1/1999
3901	Bar Bending Details	8/1/1969
4000w	Guardrail Warrant Guides	1/29/2016
4380	*W* Beam Guardrail 31 Inch Guardrail Height	1/29/2016
4381	Posts and Offset Blocks for *W* and *T* Beam Guardrail 31 Inch High	1/29/2016
4383	Guardrail Anchorage Type 1 31 Inch Guardrail Height	8/31/2011
4384	Type 12 31 Inch Guardrail Height	1/29/2016
4391	Guardrail Location (On Roads with Curb	1/29/2016
9003	Federal Aid and State Project Markers; Right of Way Markers; County Line Marker	4/10/2006
9013	Concrete Spillways (Typical Use: Along Roadway at End of Curb)	2/1/1981
9029b	Perforated Underdrain	8/17/1983
9032b	Concrete Curb and Gutter, Concrete Curbs, Concrete Medians	1/25/2021
9041	Assembly Details on Aluminum Bolted Extruded Panels for Special Roadside Signs	8/1/1993
9042	Aluminum Bolted Extruded Panels Assembly Components Details (For Special Roadside Signs)	9/27/1966
9054a	Erection and Foundation Details for Special Roadside Signs - Breakaway Post	10/28/1981
9054b	Erection and Foundation Details for Special Roadside Sign - Breakaway Type Post	3/26/1987
9054c	Erection and Foundation Details for Special Roadside Signs - Breakaway Type Post	10/28/1981
9100	Traffic Control General Notes, Standard Legend, and Miscellaneous Details	3/30/2006
9102	Traffic Control Detail for Lane Closure on Two-Lane Highway	3/30/2006
9108	Traffic Control Detail Typical By-Pass Detour for 2-Lane Highway	3/30/2006
9121	Tapers, Signs, and Markings for Passing Lanes	3/30/2006

LIST OF APPLICABLE GEORGIA DOT CONSTRUCTION DETAILS		
Drawing no.	DESCRIPTION	DATE
A-3	This Detail Replaces Ga Standard 9031W: Special Details - Concrete Sidewalk Details Curb Cut (Wheelchair) Ramps	9/15/2016
A-4	Detectable Warning Surface Truncated Dome Size, Spacing and Alignment	6/18/2009
D-10	4'' Concrete Ditch Paving Details & Quantities	1/1/1988
D-49	Ditch Back of Retaining Wall Swale Ditches;Rip Rap Ditch	2/15/2011
N-1A	Foundation and Post Details	4/22/2014
N-1B	Foundation and Post Details	4/22/2015
T01	SIGN PLATES	1/1/2000
T02	DETAILS FOR TYPICAL FRAMING	3/1/2000
T03a	Type 7,8 and 9 SQUARE TUBE POST INSTALLATION DETAIL	7/1/2002
T03b	DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT)	7/1/2002
T04	DETAILS OF CARDINAL DIRECTION SIGNS	1/1/2000
T11a	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY	9/15/2016
T12a	DETAILS OF PAVEMENT MARKING ARROW LOCATION	1/1/2000
T12b	DETAILS OF PAVEMENT MARKINGS - ARROWS	11/4/2020
T14	DETAILS OF PAVEMENT MARKING HATCHING	11/21/2008
T15a	DETAILS OF RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY	9/15/2016
T15c	DETAILS OF RAISED PAVEMENT MARKERS	9/22/2011



[illegible]

REVISION DATES			REVISION SUMMARY LYNDEE LANE EXTENSION				
			CHECKED:		DATE:		DRAWING No. 03-0001
			BACKCHECKED:		DATE:		
			CORRECTED:		DATE:		
			VERIFIED:		DATE:		

PROJECT GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF WOODSTOCK AND GEORGIA DEPARTMENT OF TRASNPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION.
2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON 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 PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION.
3. GEORGIA STANDARD CONSTRUCTION DETAILS, STANDARDS AND SPECIAL DETAILS REQUIRED FOR THIS PROJECT ARE LISTED IN THE INDEX WITH THE LATEST REVISION DATES. BUT ARE NOT INCLUDED AS PART OF THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE STANDARDS AND DETAILS SHOWN IN THE INDEX AND MAINTAINING THESE ON THE PROJECT SITE. FULL SIZE PRINTS MAY BE PURCHASED, BY THE CONTRACTOR, FROM THE GEORGIA DEPARTMENT OF TRANSPORTATION.
4. RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.
5. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. : SEE SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.
6. THERE IS NO SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE CITY OF WOODSTOCK.
7. PERFORATED UNDER DRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER.
8. SIGNS, STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER. COST FOR REMOVAL OF SIGNS, STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE CONSTRUCTION LIMITS SHALL BE INCLUDED IN THE BID PRICE FOR "GRADING COMPLETE".
9. ALL EXISTING PIPE NO LONGER IN USE SHALL BE REMOVED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. REMOVAL OF PIPE SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
10. ALL CUT AND FILL SLOPES SHALL BE GRASSED IMMEDIATELY AFTER SLOPES ARE STABILIZED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, STRAW MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER.
11. AN N.O.I. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT.

PROJECT GENERAL NOTES (CONTD.)

12. THE CONTRACTOR SHALL CLEAN ALL EXISTING STORM DRAINAGE PIPE THAT WILL REMAIN ON THE PROJECT. ALL COST FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE OF GRADING COMPLETE.
13. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED WILL BE PAVED BACK TO THE TIE IN POINT OR REQUIRED RIGHT OF WAY, WHICHEVER IS GREATER. ALL DRIVEWAYS OVER 11% IN GRADE SHALL BE PAVED WITH CONCRETE UNLESS OTHERWISE NOTED IN THE PLANS. ALL OTHER DRIVEWAYS SHALL BE REPLACED AS FOLLOWS: ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH / GRAVEL DRIVES. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. EXISTING DRIVEWAY LOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA; THE CONTRACTOR SHALL CONSTRUCT DRIVEWAYS TO MATCH THE LOCATION OF EXISTING DRIVEWAYS AT THE TIE IN POINT, IF APPLICABLE AND ASSURE SMOOTH TRANSITIONS TO ALL EXSITING CONNECTIONS TO ASSURE COMPLETE FUNCTIONALITY OF THE DRIVEWAYS. CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. DRIVES SHALL BE CONSTRUCTED USING:

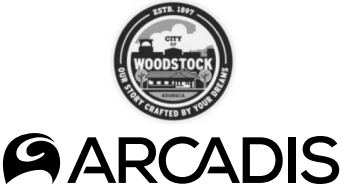
RESIDENTIAL:
ASPHALT - (SURFACE COURSE FROM THE MAINLINE),
GRADED AGGREGATE BASE, 6".
CONCRETE - DRIVEWAY CONCRETE, 6 IN THICK,
(URBAN SHOULDER) CONC VALLEY GUTTER, 6 IN.

COMMERCIAL:
ASPHALT - (SURFACE COURSE FROM THE MAINLINE),
220 LB/SY RECYCLED ASPHALT CONC, 19 MM SUPERPAVE, GP 1 OR 2,
INCL BITUM MATL & H LIME
GRADED AGGREGATE BASE, 6".
CONCRETE - DRIVEWAY CONCRETE, 8 IN THICK
(URBAN SHOULDER) CONC VALLEY GUTTER, 8 IN.
14. THE CONTRACTOR SHALL MILL VARIABLE DEPTH TO ENSURE SMOOTH TRASITION AT TIE-IN POINTS
15. TWO (2) WEEKS PRIOR TO OPENING THE ROUNDABOUTS. THE CONTRACTOR SHALL INFORM THE TRAVELING PUBLIC OF THE UPCOMING CHANGE USING PORTABLE CHANGEABLE MESSAGE SIGNS
16. THE COST OF REMOVING EXISTING ASPHALT PAVEMENT TO BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE. EXISTING PAVEMENT THAT HAS BEEN REMOVED SHALL BE GRADED TO DRAIN, DRESSED AND GRASSED.
17. IN AREAS WHERE NEW PAVEMENT OR PAVEMENT WIDENING IS REQUIRED, SAW CUT OF EXISTING PAVEMENT WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN PRICCE BID FOR 'GRADING COMPLETE'.
18. NO SEPARATE PAYMENT WILL BE MADE FOR TEMPORARY DRAINAGE ITEMS. COST WILL BE INCLUDED IN OVERALL BID SUBMITTED.
19. CITY OF WOODSTOCK STANDARD STREET LIGHTING TO BE INSTALLED AS SHOWN IN PLANS OR AS DIRECTED BY CITY. CONTRACTOR SHALL COORDINATE WITH GEORGIA POWER TO ESTABLISH THE ELECTRICAL POWER SERVICE POINT. SEE SPECIAL DETAIL, SHEET 38-0001.

ENVIRONMENTAL RESOURCES IMPACT TABLE

RESOURCE NAME/TYPE	ROADWAY	LOCATION		SIDE	PERMITTED ACTIVITY	SPECIAL PROVISION?	COMMENTS
		BEGIN STA	END STA				
INTERMITTENT STREAM 1	Lyndee Lane	Sta. 402+23.40	Sta. 403+17.48	RT	85 LINEAR FEET/0.008 ACRE OF PERMANENT FILL IMPACTS	NONE	
INTERMITTENT STREAM 1 BUFFER	Lyndee Lane	Sta. 401+90.38	Sta. 403+26.01	RT	EXEMPTED BUFFER IMPACTS	NONE	
EPHEMERAL CHANNEL 2	Lyndee Lane	Sta. 401+92.38	Sta. 402+00.00	LT & RT	66 LINEAR FEET/0.003 ACRE OF PERMANENT FILL IMPACTS	NONE	
WETLAND 3	Lyndee Lane	Sta. 400+65.61	Sta. 401+92.71	LT & RT	0.062 ACRE OF PERMANENT IMPACT	NONE	
BUFFER VARIANCES REGIONAL PERMIT 34					NOT REQUIRED EXPIRES TBD		

UTILITY OWNER	SERVICE	CONTACT
GEORGIA POWER	POWER	SDVASSER@southernco.com
COMCAST	FIBER	john_pierno@comcast.com
AT&T	TELEPHONE	jg5177@ATT.COM
ATLANTA GAS LIGHT COMPANY	GAS	wwiers@southernco.com

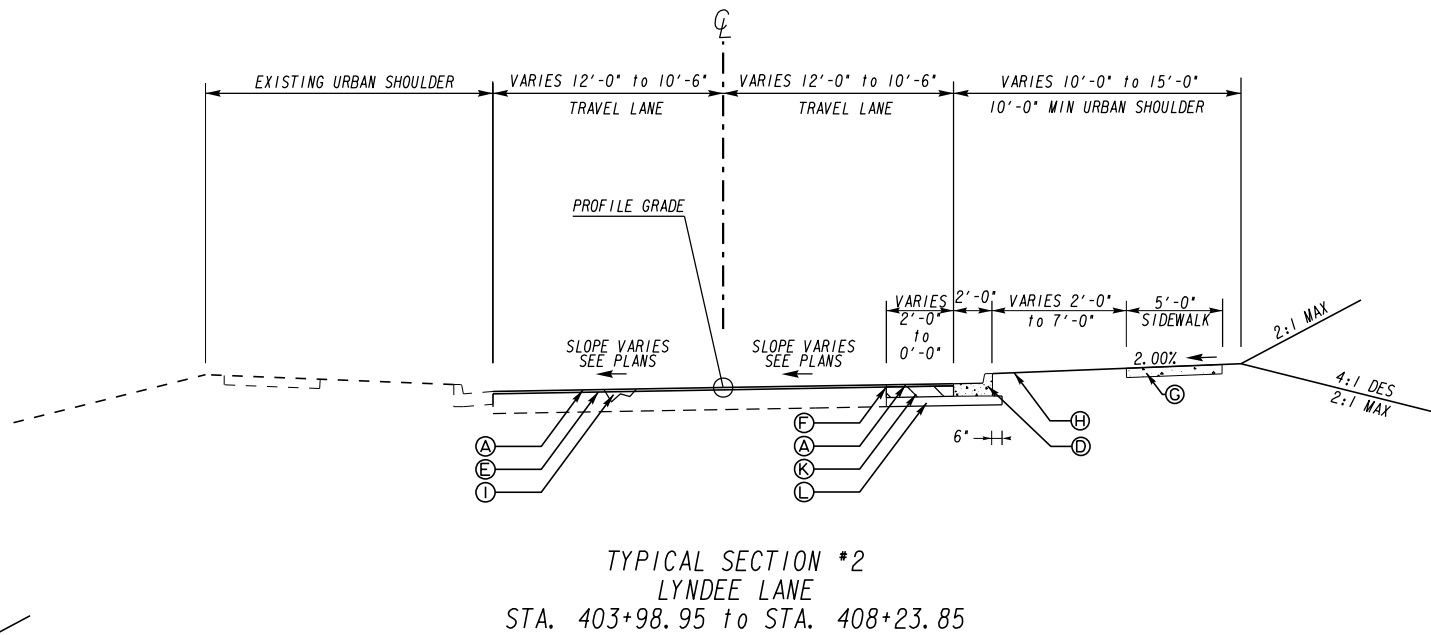
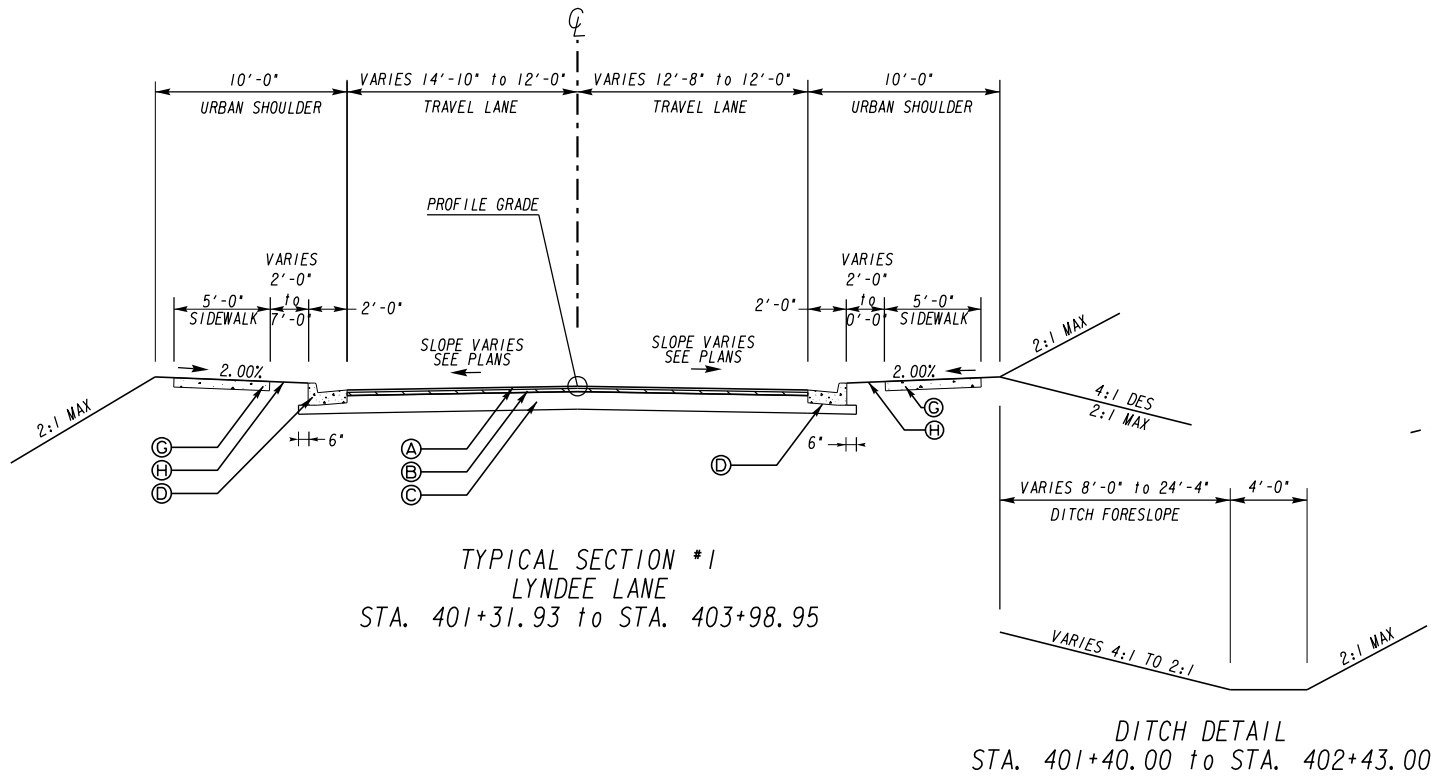


REVISION DATES

GENERAL NOTES
LYNDEE LANE EXTENSION

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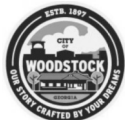
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		PROJECT GENERAL NOTES (CONTD.) 20. SPRINKLER SYSTEMS TO BE HANDLED AS FOLLOWS: CASE 1 - SYSTEMS WITHIN THE CONSTRUCTION LIMITS OWNED BY INDIVIDUALS OR PRIVATE COMPANIES ARE TO BE REMOVED TO THE BACK OF THE CONSTRUCTION LIMITS AND PLUGGED. CASE 2 - SYSTEMS SHOWN BY THE PLANS TO BE REMOVED AND RELOCATED SHALL BE RELOCATED JUST OFF THE RIGHT-OF-WAY. COST SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE". 21. CONTRACTOR TO COORDINATE WITH OWNERS TO INSTALL TEMPORARY MAILBOXES AND RESET PERMANENT LACATIONS UPON CONSTRUCTION COMPLETION. RESET MAIL BOXES SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE". 22. ALL STORM MANHOLE COVERS SHALL BE CITY OF WOODSTOCK STANDARD COVER. SEE SPECIAL DETAIL 38-0003. GENERAL NOTES - STANDARD SIGNS 1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS. 2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS. 3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY. IF SIDEWALK IS PROPOSED OR EXISTING, THE SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE SIDEWALK. 4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT. 4b. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S). 4c. WHEN GUARDRAIL IS PRESENT OR BEING PROPOSED, SIGNS SHALL BE POSTED AN UNSTIPULATED DISTANCE BEHIND GUARDRAIL. 5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x 1/2 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE 3/4 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS. 6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x 1/2 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN. 7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS. 8. TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.																													
		GEORGIA811 Utilities Protection Center, Inc Know what's below. Call before you dig.		ESTD. 1897 CITY OF WOODSTOCK OUR STATE CRAFTED BY YOURS ARCADIS																											
						REVISION DATES <table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>																									
						GENERAL NOTES LYNDEE LANE EXTENSION <table><tr><td>CHECKED:</td><td></td><td>DATE:</td><td></td><td>DRAWING No.</td></tr><tr><td>BACKCHECKED:</td><td></td><td>DATE:</td><td></td><td rowspan="3">04-0002</td></tr><tr><td>CORRECTED:</td><td></td><td>DATE:</td><td></td></tr><tr><td>VERIFIED:</td><td></td><td>DATE:</td><td></td></tr></table>		CHECKED:		DATE:		DRAWING No.	BACKCHECKED:		DATE:		04-0002	CORRECTED:		DATE:		VERIFIED:		DATE:							
CHECKED:		DATE:		DRAWING No.																											
BACKCHECKED:		DATE:		04-0002																											
CORRECTED:		DATE:																													
VERIFIED:		DATE:																													
10/23/2015 GPLN																															



① LEVELING		
ALIGNMENT	BEGIN STATION	END STATION
LYNDEE LANE	STA 405+00 RT	STA 408+20 RT
LYNDEE LANE	STA 407+00 LT	STA 408+20 LT

REQUIRED PAVEMENT

- ① RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
- ② RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2 ONLY, INCL BITUM MATL & H LIME (220 LBS/SY)
- ③ GR AGGR BASE CRS, 8 INCH, INCL MATL
- ④ CONCRETE CURB AND GUTTER, 8 IN X 24 IN, TP 2
- ⑤ MILL ASPH CONC PVMT, VARIABLE DEPTH
- ⑥ PAVEMENT REINFORCEMENT FABRIC, 18" WIDE
- ⑦ CONC SIDEWALK, 4 INCH THICK
- ⑧ SOD
- ⑨ RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME (AS DIRECTED BY ENGINEER)
- ⑩ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
- ⑪ CLASS B CONC, BASE OR PVMT WIDENING, 6.5 IN
- ⑫ GR AGGR BASE CRS, 4 INCH, INCL MATL



ARCADIS

REVISION DATES

TYPICAL SECTIONS
LYNDEE LANE EXTENSION

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

05-0001

ALLOWABLE RANGES TABLE

FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT"
EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM	0.0156 FT/FT - MINIMUM
0.0208 FT/FT - DESIRABLE	0.0208 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM	0.0300 FT/FT - MAXIMUM

B. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD,
WHICHEVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT
MINIMUM 1:150	0.67%
DESIRABLE 1:200	0.50%
MAXIMUM 1:300	0.33%

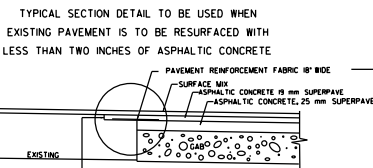
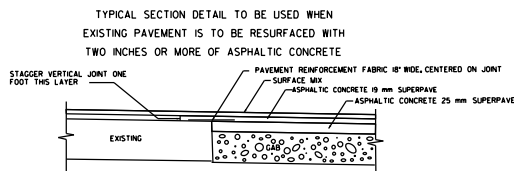
LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE
ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE
LOW POINT OF VERTICAL CURVES.

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

50% OF TRANSITION INSIDE CURVE - MAXIMUM
33% OF TRANSITION INSIDE CURVE - DESIRABLE
20% OF TRANSITION INSIDE CURVE - MINIMUM

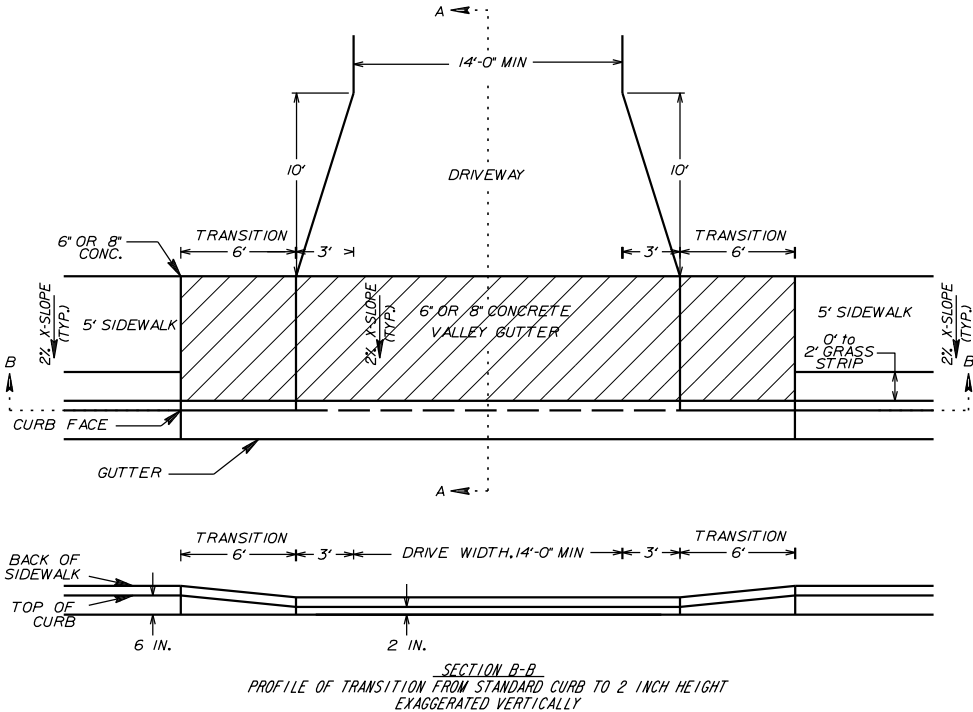
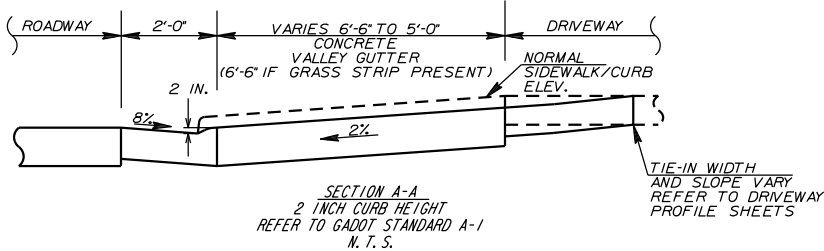
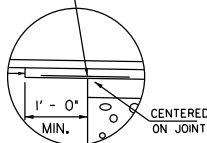
NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION
SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH
(IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).



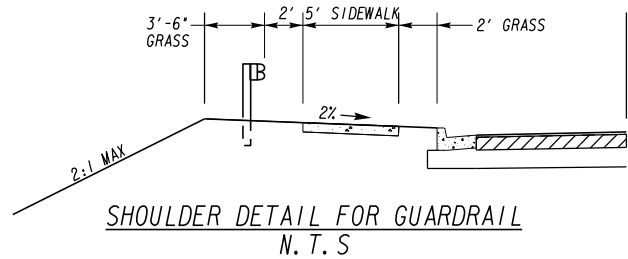
MILL EXISTING LANE ONE FOOT WIDE
TO DEPTH OF ADJOINING LAYER TO
BE PLACED. COST OF MILLING FOR THIS WORK
TO BE INCLUDED IN THE UNIT PRICE BID FOR
PAVEMENT REINFORCING FABRIC.

PAVEMENT FABRIC DETAIL

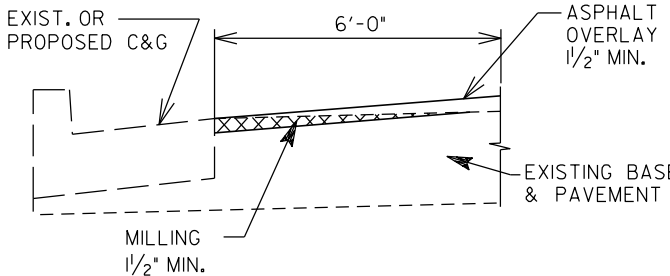


Driveway Valley Gutter Detail A

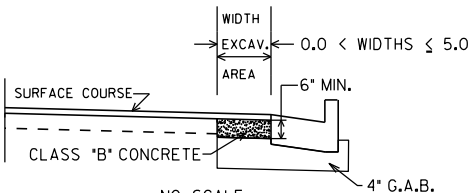
N. T. S.



STA. 401+41.00 LT TO STA. 402+40.00 LT
STA. 401+69.00 RT TO STA. 402+70.00 RT



ASPHALT MILLING & FEATHERING DETAIL

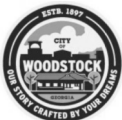


NO SCALE
CLASS "B" CONCRETE BASE OR PAVEMENT WIDENING
ITEM CODE 500-9999 - CU. YDS.

IN EXCAVATED AREAS BETWEEN THE EXISTING PAVING AND NEW CURB AND GUTTER
THAT ARE 5'-0" OR LESS IN WIDTH, CLASS "B" CONCRETE SHALL BE PLACED
IN LIEU OF PAVING SPECIFIED BY THE TYPICAL SECTION. PAYMENT WILL BE
MADE UNDER "CLASS B CONCRETE BASE AND PAVEMENT WIDENING".

IN EXCAVATED AREAS GREATER THAN 5'-0" IN WIDTH, THE CONTRACTOR SHALL
PLACE BASE AND PAVING AS SPECIFIED ON THE TYPICAL SECTION.
SEE PLANS FOR DETAILS OF CURB AND GUTTER CONSTRUCTION.

CLASS "B" CONCRETE BASE
OR WIDENING DETAIL



ARCADIS

REVISION DATES

TYPICAL SECTIONS
LYNDEE LANE EXTENSION

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

05-0002

[illegible]

REVISION DATES

QUANTITIES (AMENDMENT)
LYNDEE LANE EXTENSION

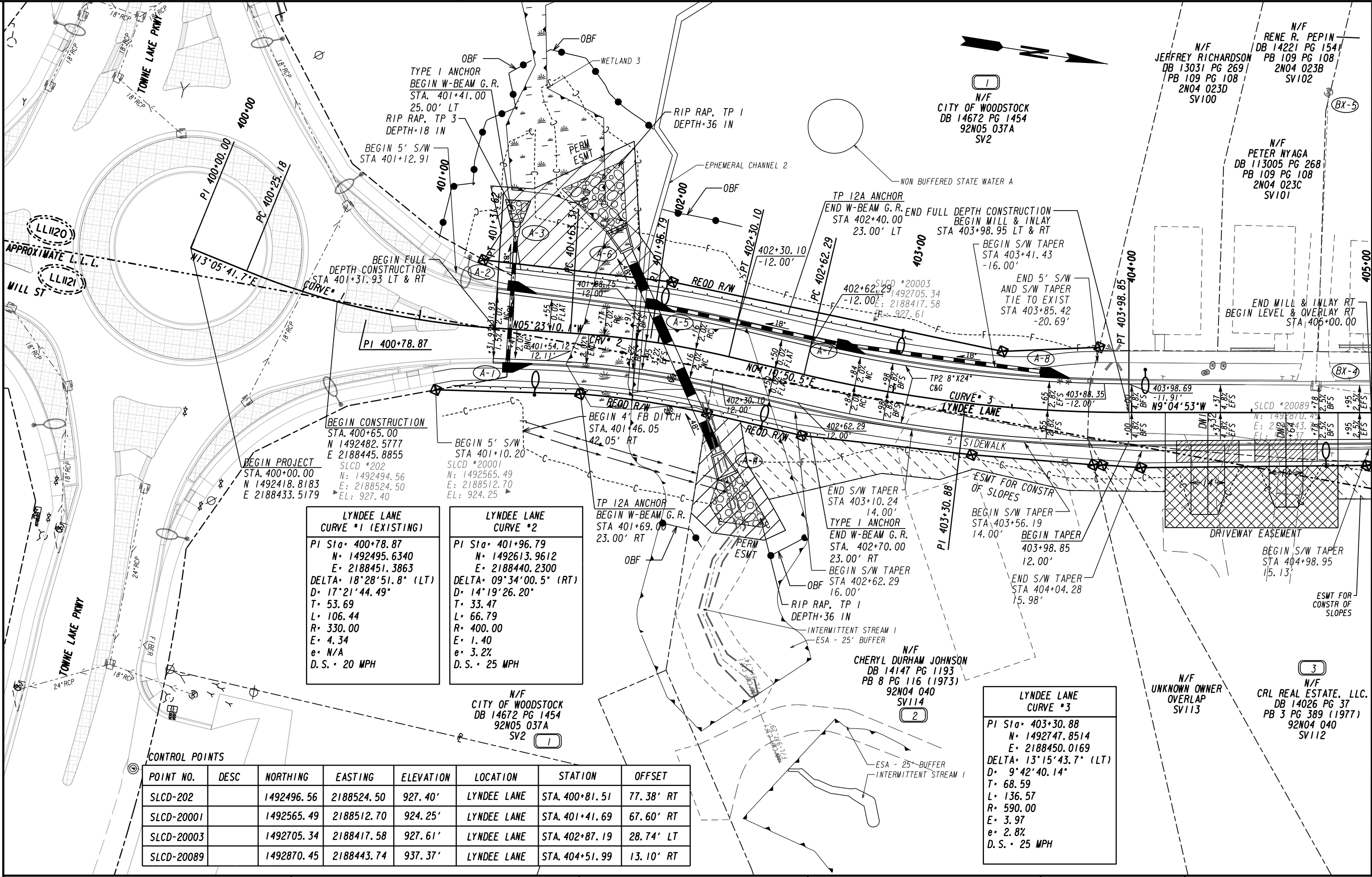
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BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

[illegible]

REVISION DATES

QUANTITIES (CONSTRUCTION)
LYNDEE LANE EXTENSION

CHECKED:		DATE:		DRAWING No. 08-0001
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

---P---
---C---
---F---
---O---
---H---
---B---
---E---
---S---
---A---
---I---
---T---
---T---
---T---

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

---O---
---H---
---B---
---E---
---S---
---A---
---I---
---T---
---T---
---T---

ARCADIS

SCALE IN FEET

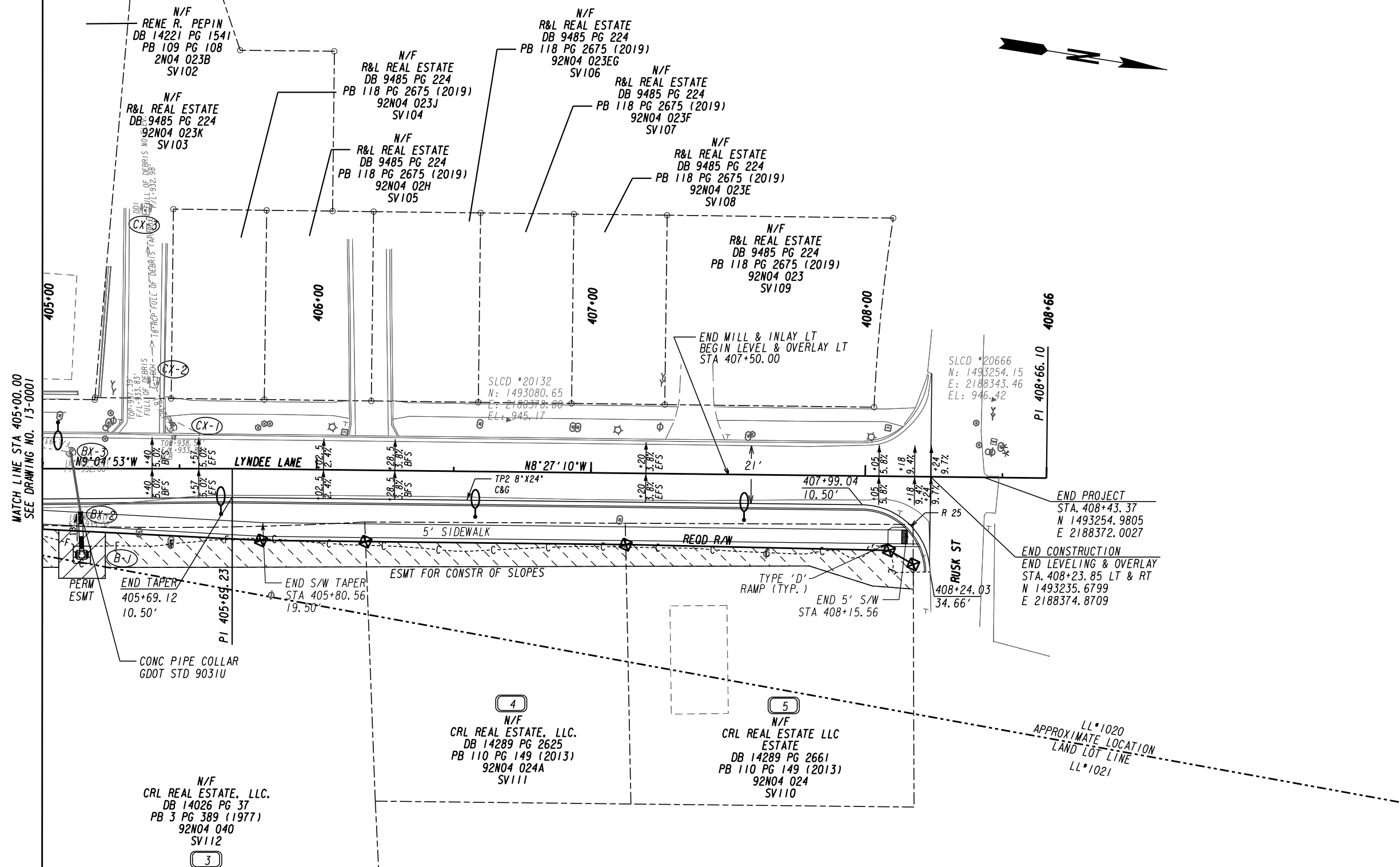
0 20 40 80

REVISION DATES

NO.	DATE	DESCRIPTION

MAINLINE PLAN
LYNDEE LANE EXTENSION

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



LYNDEE LANE
PI Sta+ 405+69.23 N+ 1492983.8255 E+ 2188412.2982 DELTA+ 0°37'43.6" (RT) DS + 25 MPH

CONTROL POINTS							
POINT NO.	DESC	NORTHING	EASTING	ELEVATION	LOCATION	STATION	OFFSET
SLCD-20066		1493254.15	2188343.46	946.42'	LYNDEE LANE	STA. 408+46.41	28.41' LT
SLCD-20132		1493080.65	2188378.80	945.17'	LYNDEE LANE	STA. 406+69.60	18.95' LT

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

WOODSTOCK
VILLAGE OF WOODSTOCK
ESTD. 1899

ARCADIS

SCALE IN FEET
0 20 40 80

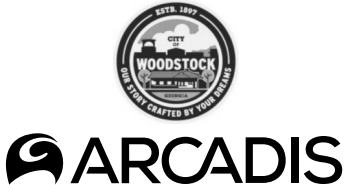
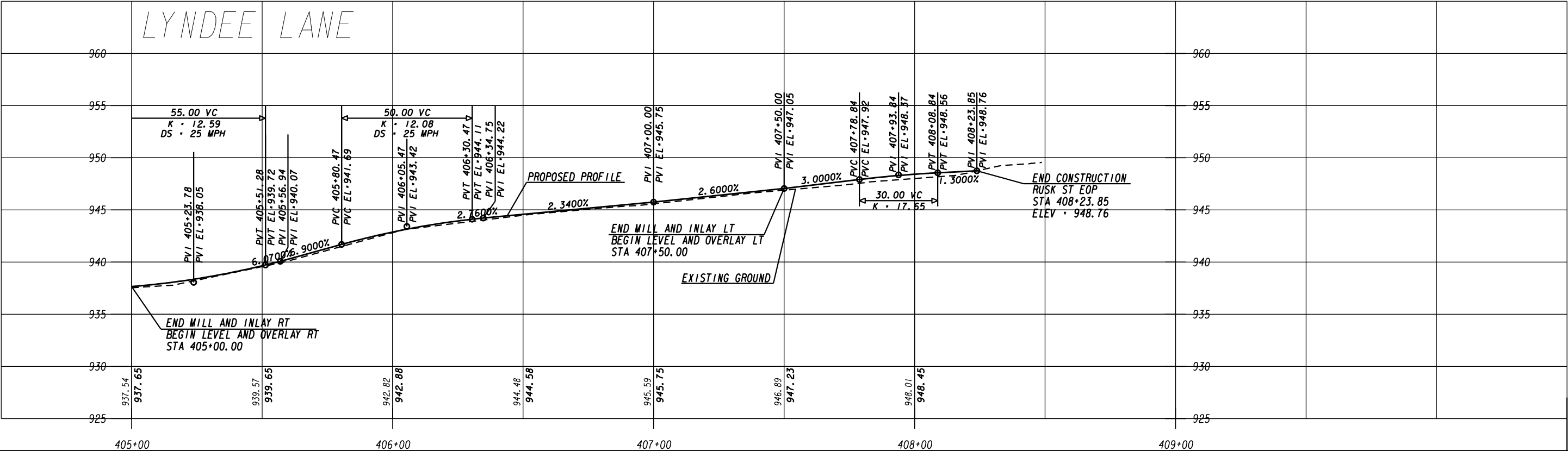
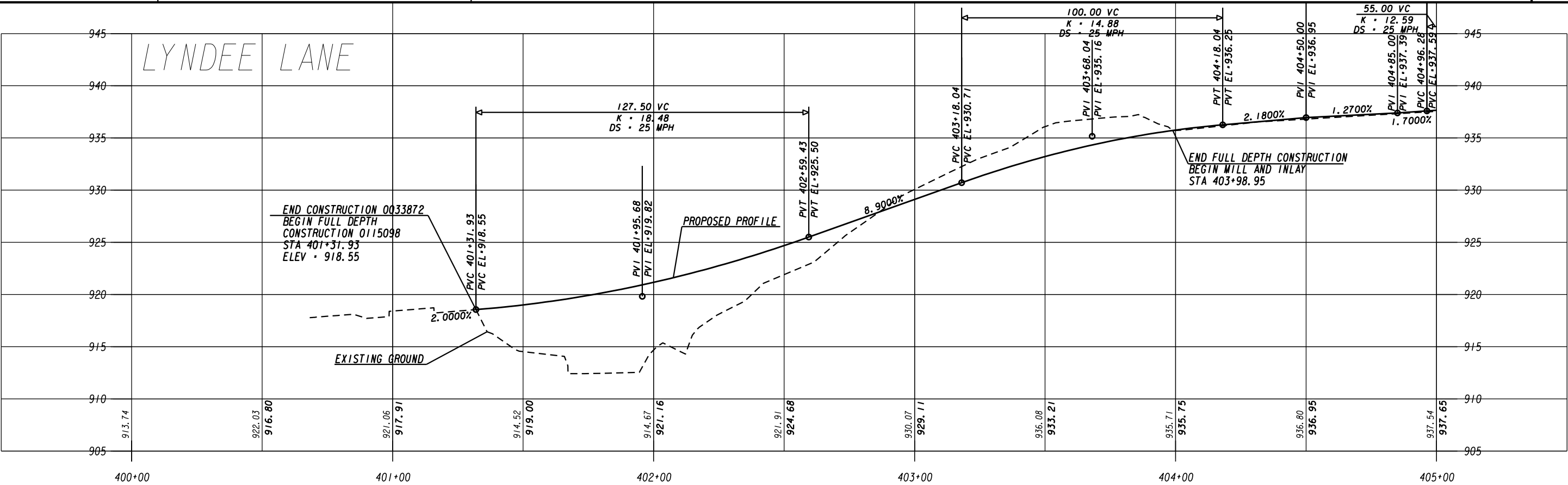
REVISION DATES			

MAINLINE PLAN
LYNDEE LANE EXTENSION

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

13-0002

10/23/2015 GPLN

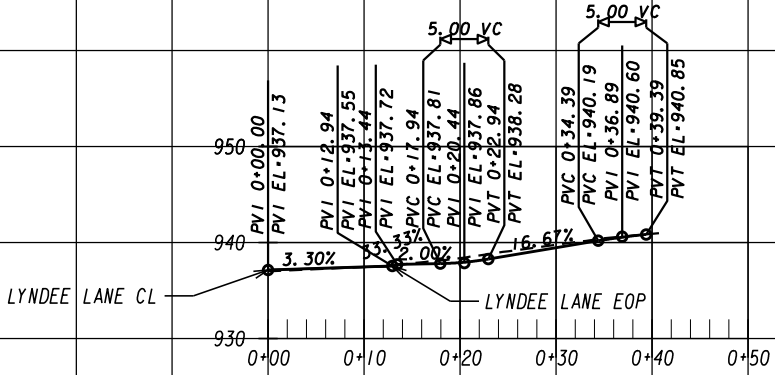


HORIZONTAL SCALE : 1" = 20'
VERTICAL SCALE : 1" = 5'

REVISION DATES

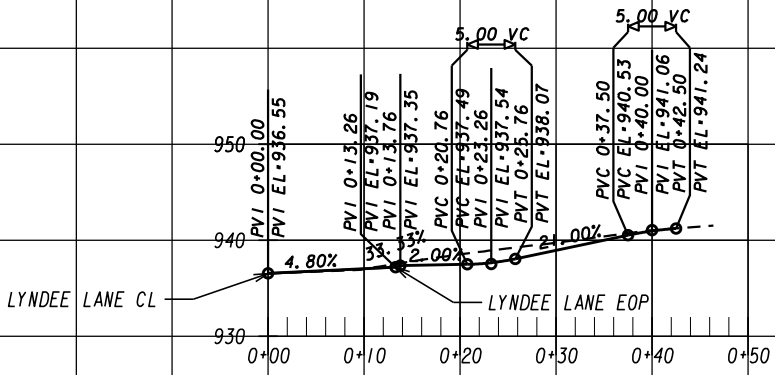
MAINLINE PROFILE
LYNDEE LANE EXTENSION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	15-0001



DRWY 2
STA. 404+64 RT

DE 21
CONCRETE RESIDENTIAL DRIVE



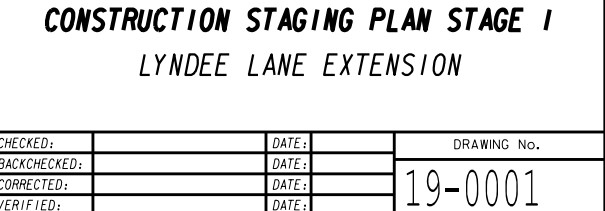
DRWY 1
STA. 404+32 RT

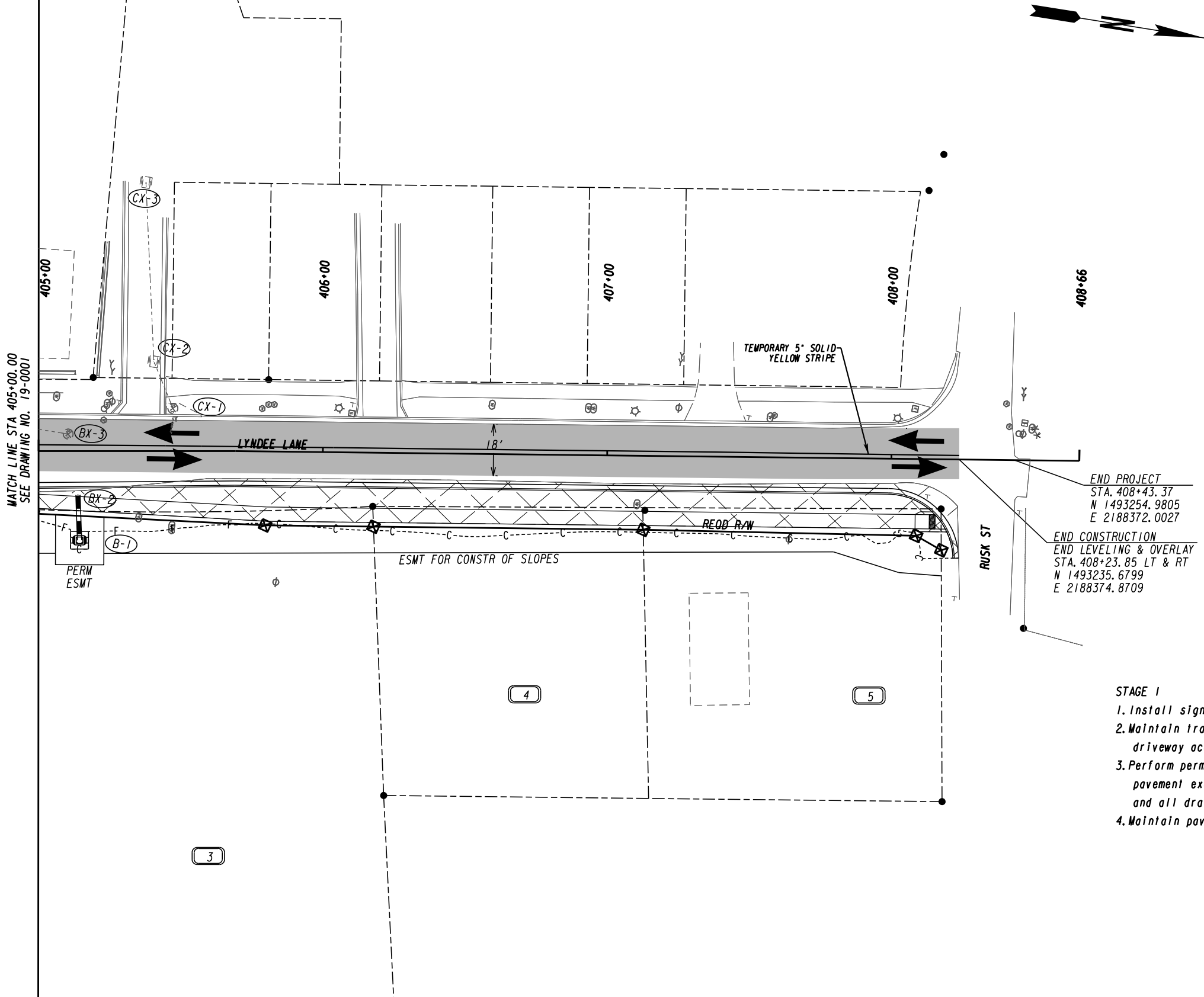
DE 20
CONCRETE RESIDENTIAL DRIVE



REVISION DATES

DRIVEWAY PROFILE			
MILL ST AT TOWNE LAKE PKWY			
CHECKED:	DATE:	DRAWING No.	
BACKCHECKED:	DATE:	17-0001	
CORRECTED:	DATE:		
VERIFIED:	DATE:		





LEGEND	
1 PAVEMENT REMOVAL	
2 TEMPORARY CONSTRUCTION PAVEMENT	
3 PERMANENT CONSTRUCTION	
4 MILL & INLAY CONSTRUCTION	
5 LEVELING & OVERLAY	
OPEN LANES OF TRAFFIC	
TYPE 3 BARRICADE WITH LIGHTS	

END PROJECT
STA. 408+43.37
N 1493254.9805
E 2188372.0027

END CONSTRUCTION
END LEVELING & OVERLAY
STA. 408+23.85 LT & RT
N 1493235.6799
E 2188374.8709

- STAGE 1
- 1. Install signs, markings and other traffic control devices.
 - 2. Maintain traffic on existing roadways and maintain all required driveway access.
 - 3. Perform permanent construction as shown including full depth pavement excluding the surface course, curb and gutter, sidewalk, and all drainage.
 - 4. Maintain pavement widths during stage construction.

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS

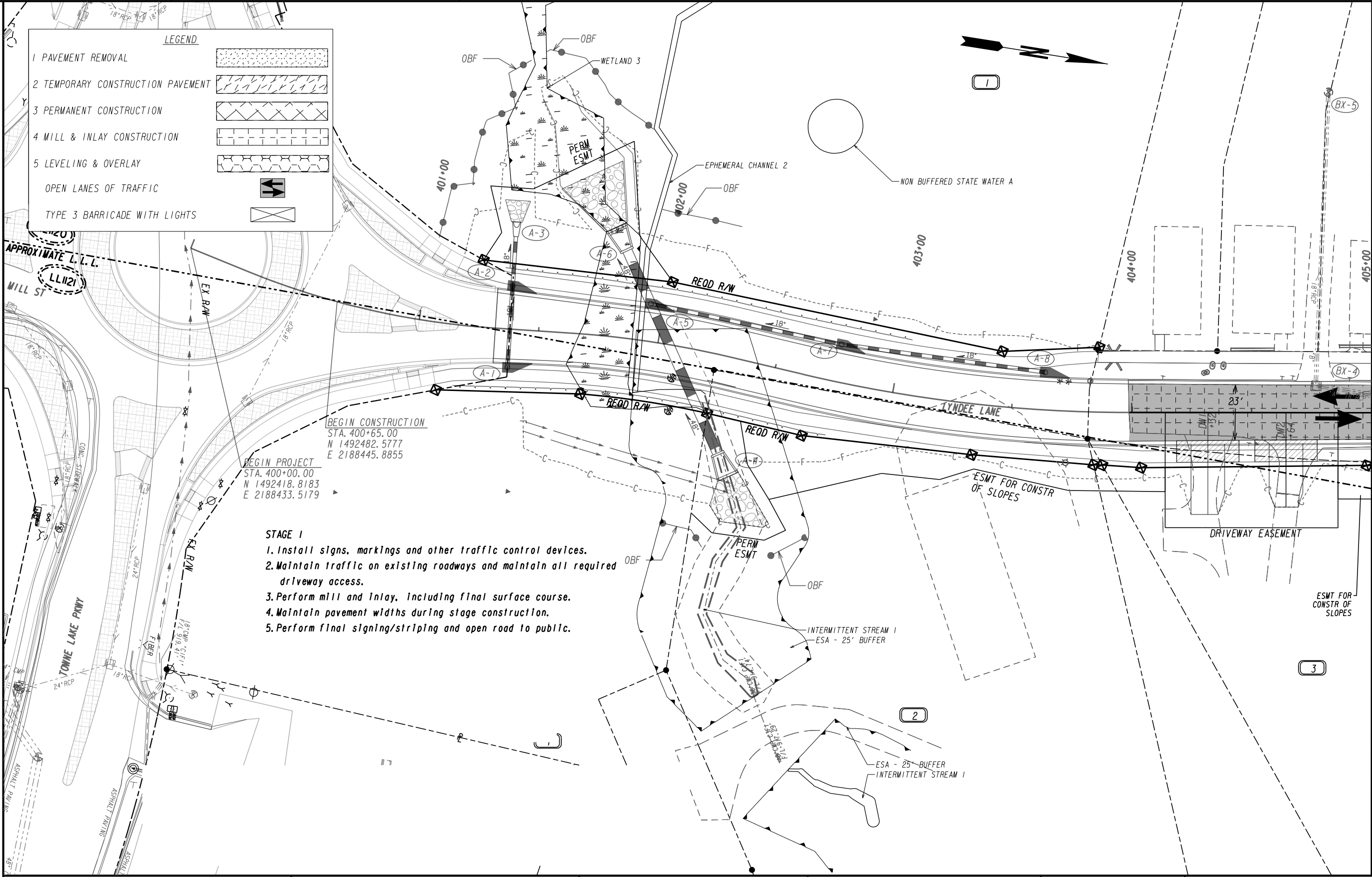
SCALE IN FEET

REVISION DATES		

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

CONSTRUCTION STAGING PLAN STAGE 1
LYNDEE LANE EXTENSION

DRAWING No.
19-0002



MATCH LINE STA 405+00.00
SEE DRAWING NO. 19-0004

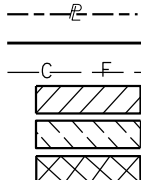
STAGE 1

1. Install signs, markings and other traffic control devices.
2. Maintain traffic on existing roadways and maintain all required driveway access.
3. Perform mill and inlay, including final surface course.
4. Maintain pavement widths during stage construction.
5. Perform final signing/stripping and open road to public.

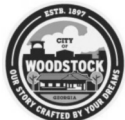
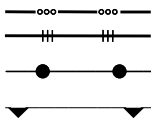
BEGIN CONSTRUCTION
STA. 400+65.00
N 1492482.5777
E 2188445.8855

BEGIN PROJECT
STA. 400+00.00
N 1492418.8183
E 2188433.5179

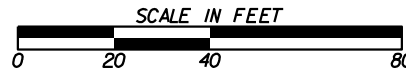
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



ARCADIS

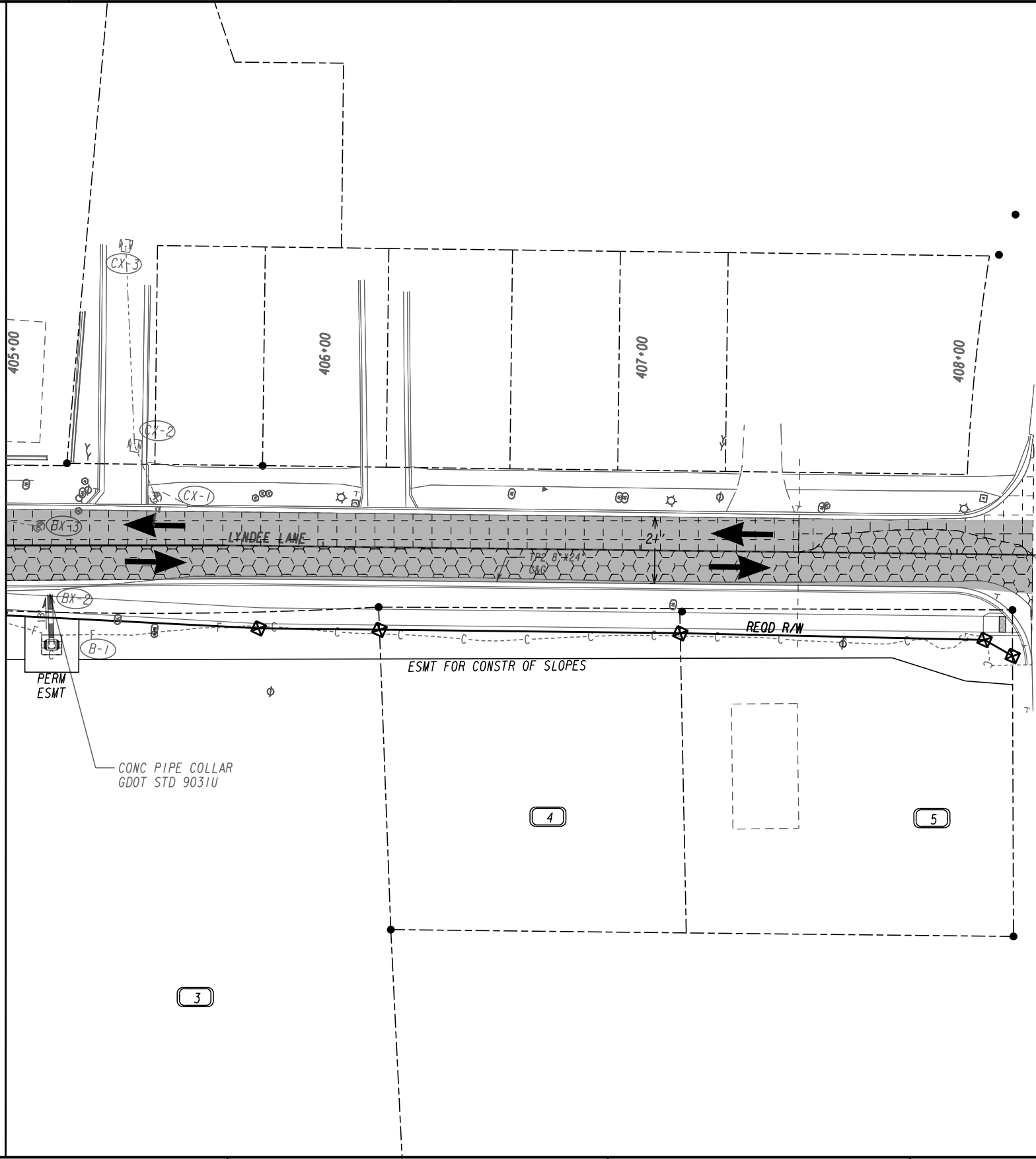


REVISION DATES

CONSTRUCTION STAGING PLAN STAGE 2
LYNDEE LANE EXTENSION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	19-0003
CORRECTED:	DATE:	
VERIFIED:	DATE:	

MATCH LINE STA 405+00.00
SEE DRAWING NO. 19-0003



END PROJECT
STA. 408+43.37
N 1493254.9805
E 2188372.0027

END CONSTRUCTION
END LEVELING & OVERLAY
STA. 408+23.85 LT & RT
N 1493235.6799
E 2188374.8709

LEGEND

1 PAVEMENT REMOVAL

2 TEMPORARY CONSTRUCTION PAVEMENT

3 PERMANENT CONSTRUCTION

4 MILL & INLAY CONSTRUCTION

5 LEVELING & OVERLAY

OPEN LANES OF TRAFFIC

TYPE 3 BARRICADE WITH LIGHTS

- STAGE 1
- 1. Install signs, markings and other traffic control devices.
 - 2. Maintain traffic on existing roadways and maintain all required driveway access.
 - 3. Perform mill and inlay as shown, including final surface course.
 - 4. Perform level and overlay as shown, including final surface course.
 - 5. Maintain pavement widths during stage construction.
 - 6. Perform final signing/stripping and open road to public.

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ESTD. 1895
CITY OF WOODSTOCK
NEW STATE CRAFTED BY YOUR ELECTION

ARCADIS

SCALE IN FEET

0

20

40

80

REVISION DATES

CHECKED: DATE: DRAWING No.

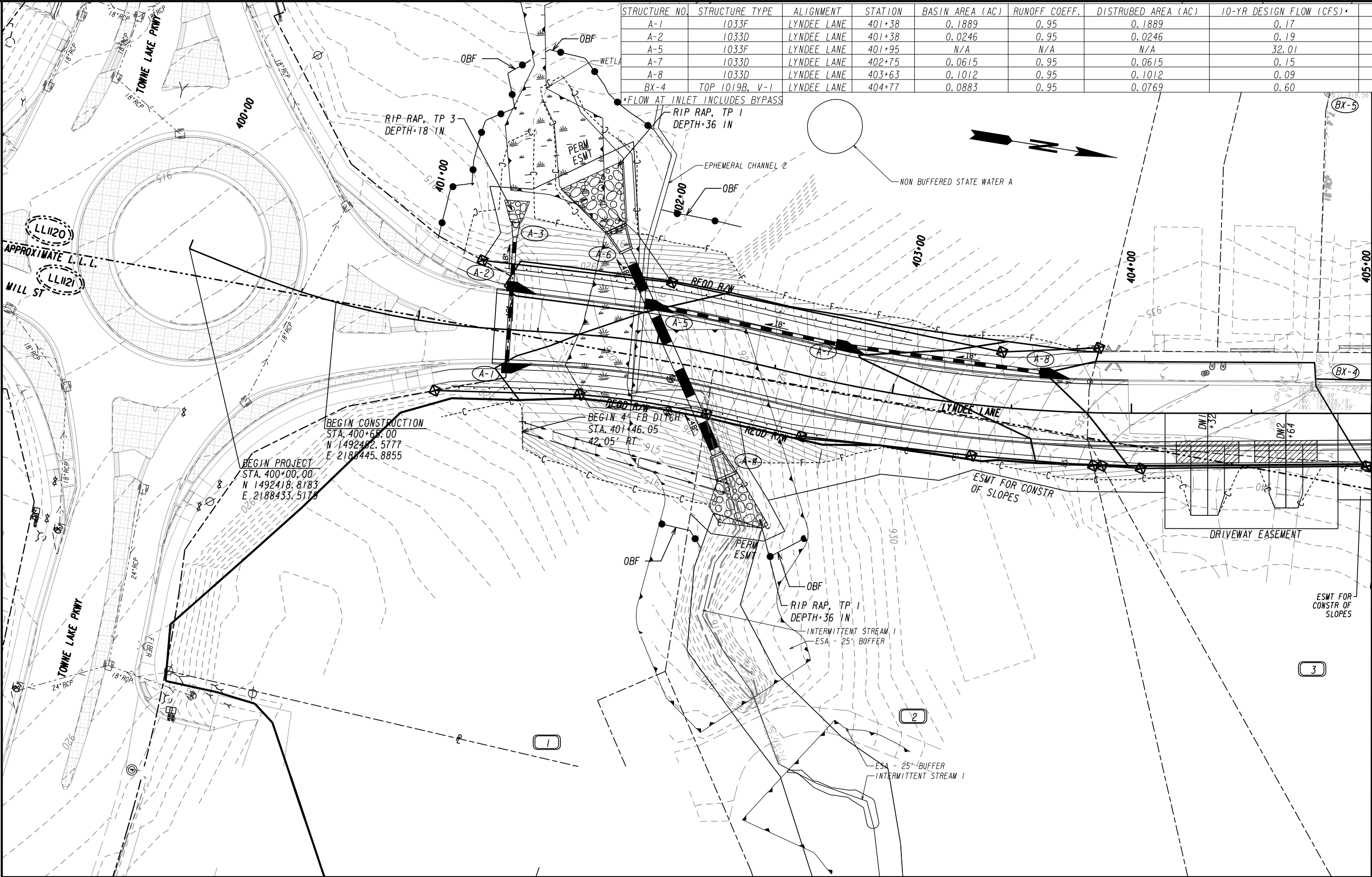
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CORRECTED: DATE:

VERIFIED: DATE:

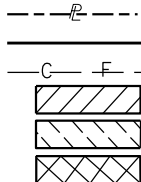
19-0004

STRUCTURE NO.	STRUCTURE TYPE	ALIGNMENT	STATION	BASIN AREA (AC)	RUNOFF COEFF.	DISTURBED AREA (AC)	10-YR DESIGN FLOW (CFS)*	RECEIVING WATER
A-1	1033F	LYNDEE LANE	401+38	0.1889	0.95	0.1889	0.17	PERENNIAL STREAM 4
A-2	1033D	LYNDEE LANE	401+38	0.0246	0.95	0.0246	0.19	PERENNIAL STREAM 4
A-5	1033F	LYNDEE LANE	401+95	N/A	N/A	N/A	32.01	PERENNIAL STREAM 4
A-7	1033D	LYNDEE LANE	402+75	0.0615	0.95	0.0615	0.15	PERENNIAL STREAM 4
A-8	1033D	LYNDEE LANE	403+63	0.1012	0.95	0.1012	0.09	PERENNIAL STREAM 4
BX-4	TOP 1019B, V-1	LYNDEE LANE	404+77	0.0883	0.95	0.0769	0.60	PERENNIAL STREAM 4

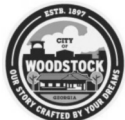
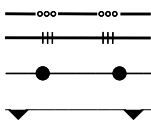


MATCH LINE STA 405+00.00
SEE DRAWING NO. 21-0002

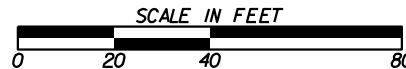
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



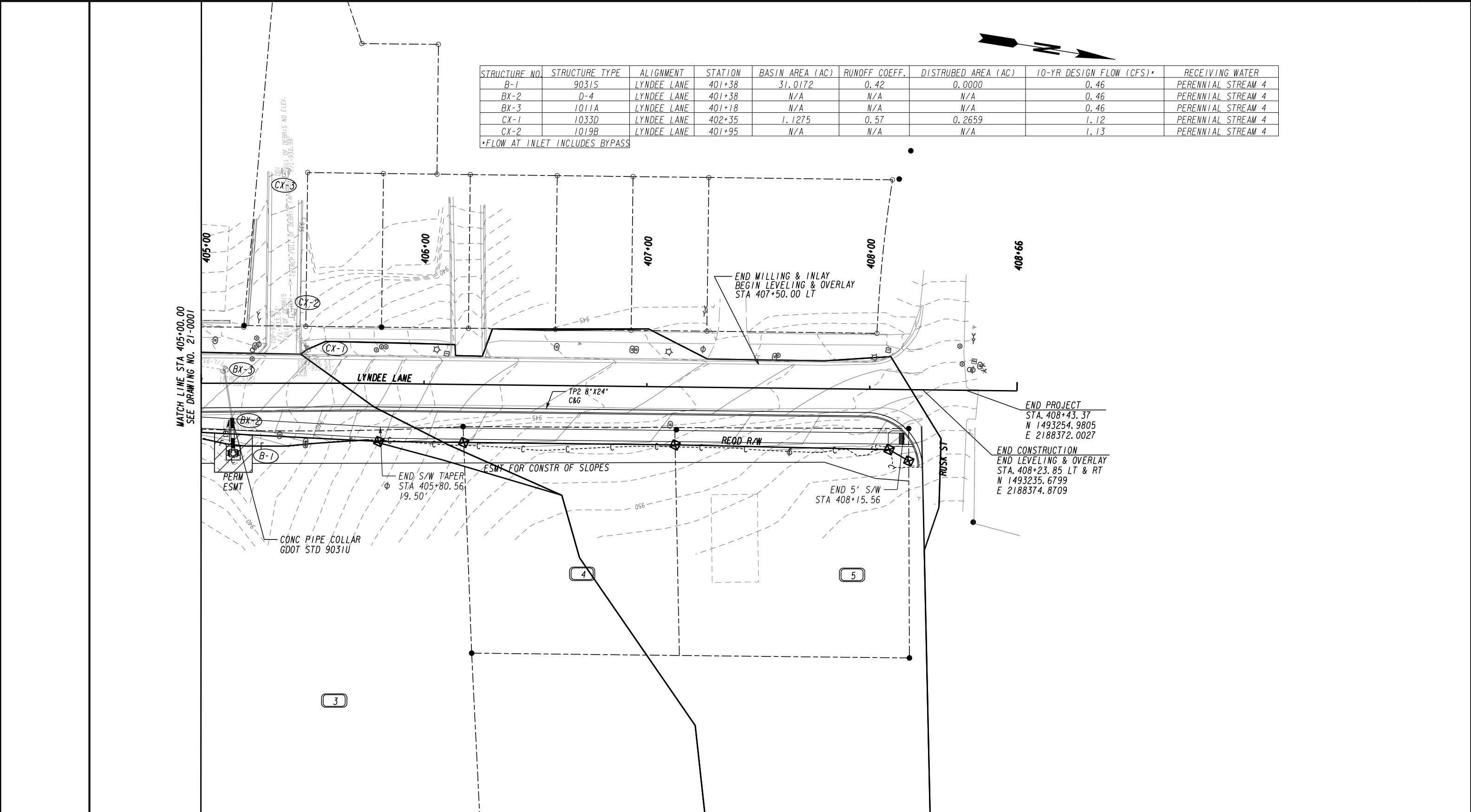
ARCADIS



REVISION DATES

DRAINAGE AREA MAP
LYNDEE LANE EXTENSION

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	21-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	



STRUCTURE NO.	STRUCTURE TYPE	ALIGNMENT	STATION	BASIN AREA (AC)	RUNOFF COEFF.	DISTRUBED AREA (AC)	10-YR DESIGN FLOW (CFS)*	RECEIVING WATER
B-1	9031S	LYNDEE LANE	401+38	31.0172	0.42	0.0000	0.46	PERENNIAL STREAM 4
BX-2	D-4	LYNDEE LANE	401+38	N/A	N/A	N/A	0.46	PERENNIAL STREAM 4
BX-3	1011A	LYNDEE LANE	401+18	N/A	N/A	N/A	0.46	PERENNIAL STREAM 4
CX-1	1033D	LYNDEE LANE	402+35	1.1275	0.57	0.2659	1.12	PERENNIAL STREAM 4
CX-2	1019B	LYNDEE LANE	401+95	N/A	N/A	N/A	1.13	PERENNIAL STREAM 4

*FLOW AT INLET INCLUDES BYPASS

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ESTD. 1895
CITY OF WOODSTOCK
NEW YORK STATE CHARTERED BY JAMES MONROE

ARCADIS

SCALE IN FEET

0

20

40

80

REVISION DATES

DRAINAGE AREA MAP
LYNDEE LANE EXTENSION

CHECKED:

BACKCHECKED:

CORRECTED:

VERIFIED:

DATE:

DATE:

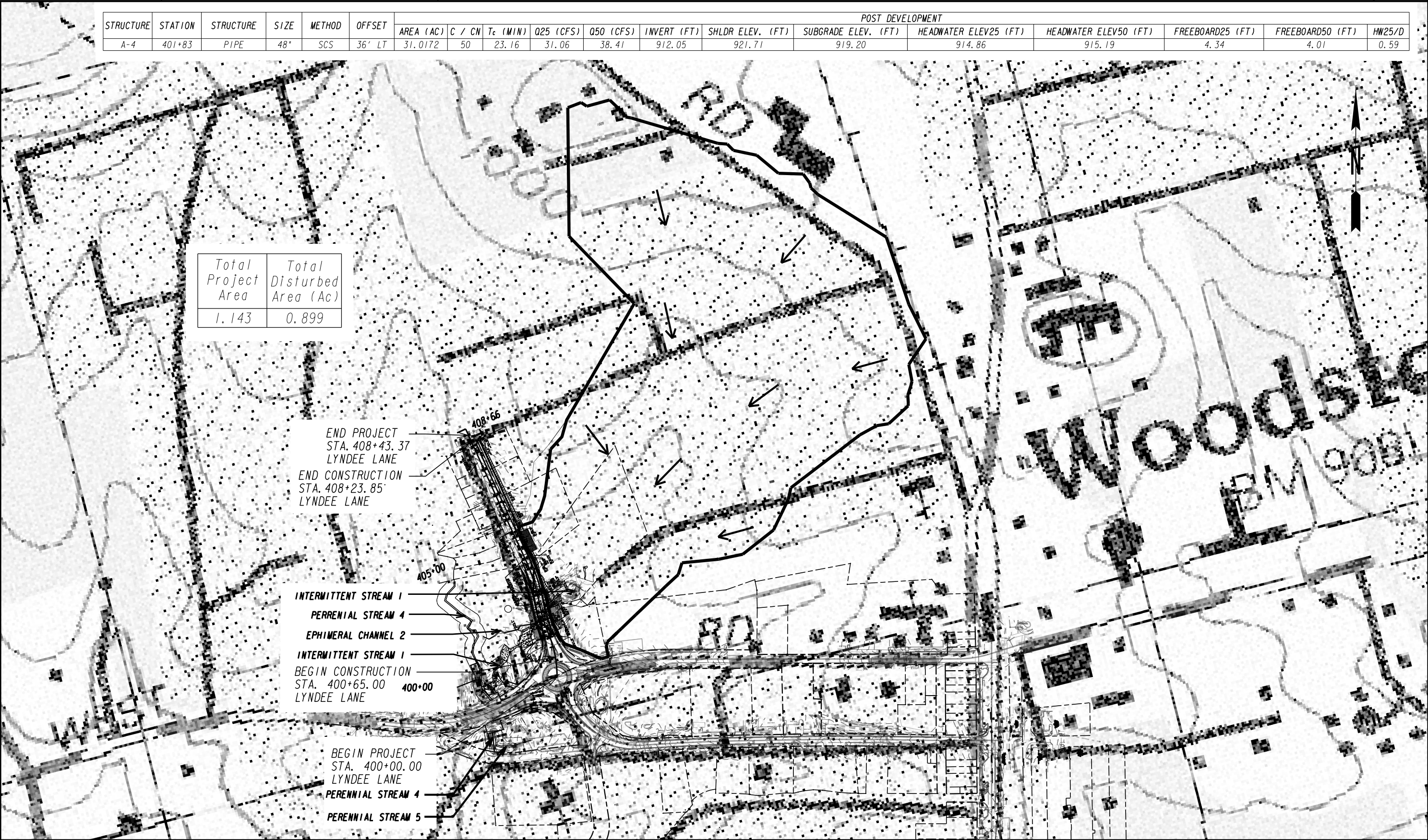
DATE:

DATE:

DRAWING No.

21-0002

STRUCTURE	STATION	STRUCTURE	SIZE	METHOD	OFFSET	POST DEVELOPMENT												HW25/D
						AREA (AC)	C / CN	Tc (MIN)	Q25 (CFS)	Q50 (CFS)	INVERT (FT)	SHLDR ELEV. (FT)	SUBGRADE ELEV. (FT)	HEADWATER ELEV25 (FT)	HEADWATER ELEV50 (FT)	FREEBOARD25 (FT)	FREEBOARD50 (FT)	
A-4	401+83	PIPE	48"	SCS	36' LT	31.0172	50	23.16	31.06	38.41	912.05	921.71	919.20	914.86	915.19	4.34	4.01	0.59



Total Project Area	Total Disturbed Area (Ac)
1.143	0.899

END PROJECT
STA. 408+43.37
LYNDEE LANE

END CONSTRUCTION
STA. 408+23.85
LYNDEE LANE

INTERMITTENT STREAM 1

PERENNIAL STREAM 4

EPHEMERAL CHANNEL 2

INTERMITTENT STREAM 1

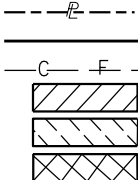
BEGIN CONSTRUCTION
STA. 400+65.00
LYNDEE LANE

BEGIN PROJECT
STA. 400+00.00
LYNDEE LANE

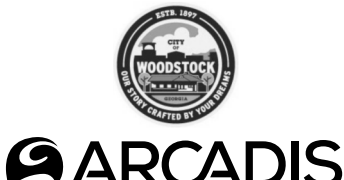
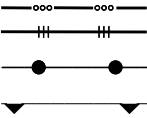
PERENNIAL STREAM 4

PERENNIAL STREAM 5

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



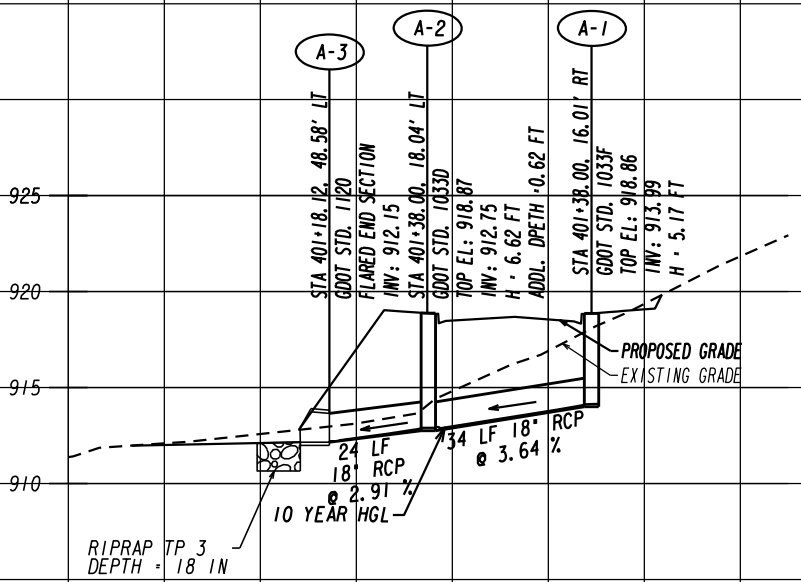
REVISION DATES

DRAINAGE AREA MAP
LYNDEE LANE EXTENSION

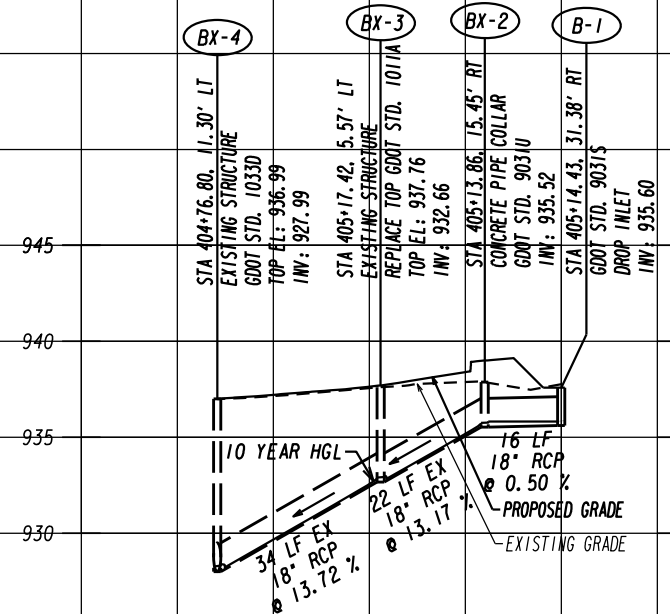
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21-0003

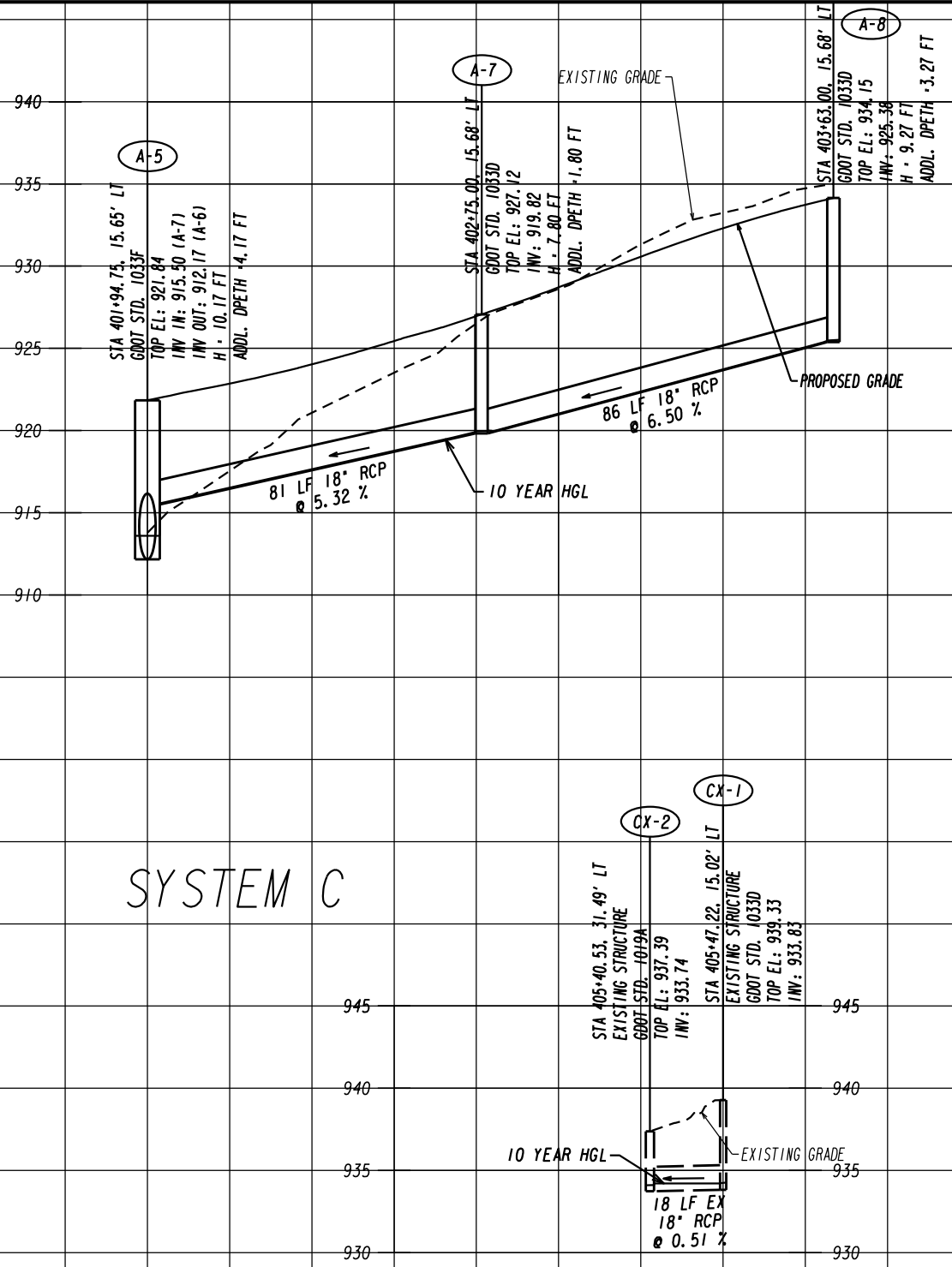
SYSTEM A



SYSTEM B



SYSTEM C

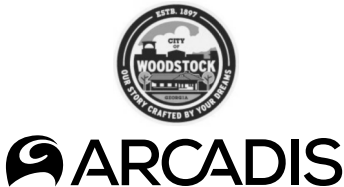
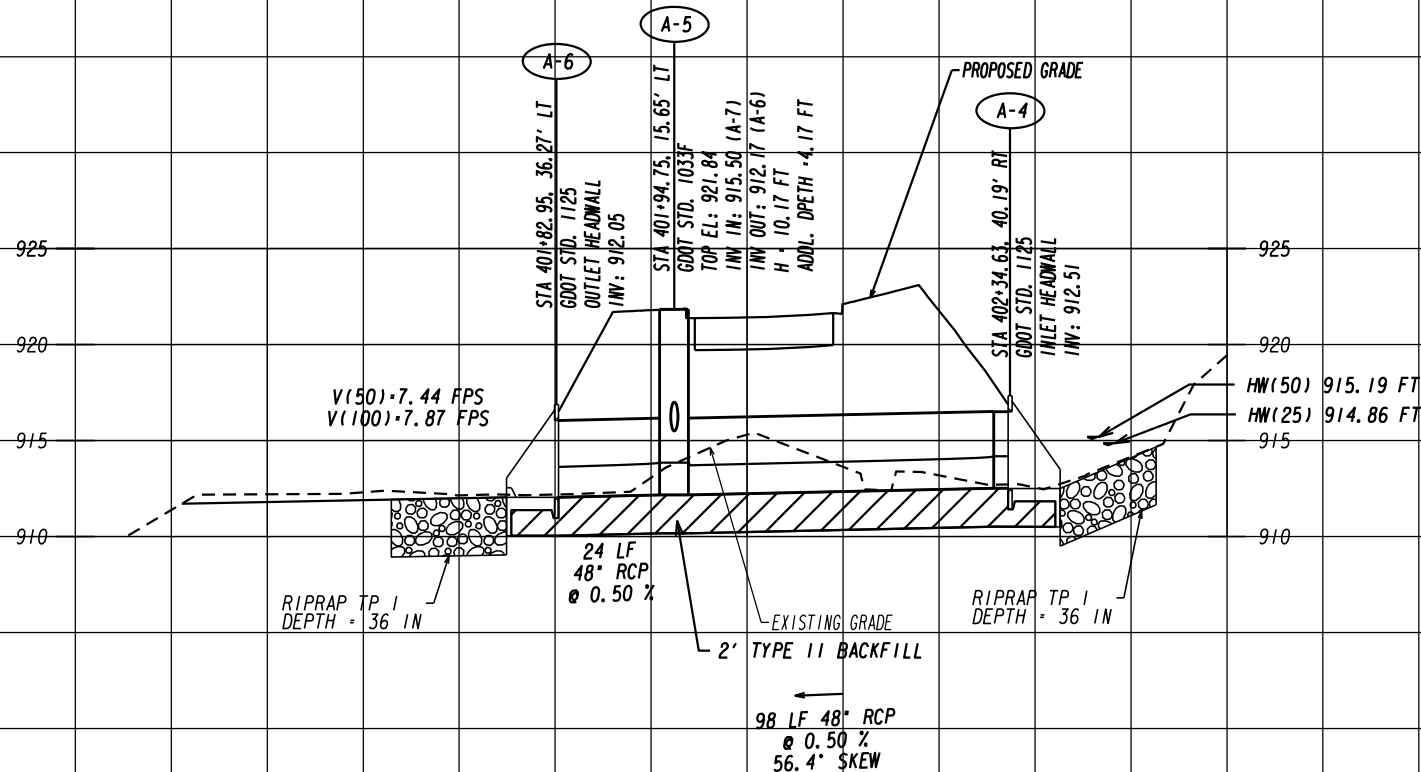


HORIZONTAL SCALE : 1" = 20'
VERTICAL SCALE : 1" = 5'

REVISION DATES			DRAINAGE PROFILES			
			LYNDEE LANE EXTENSION			
			CHECKED:		DATE:	DRAWING No.
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			VERIFIED:		DATE:	

22-0001

CULVERT A



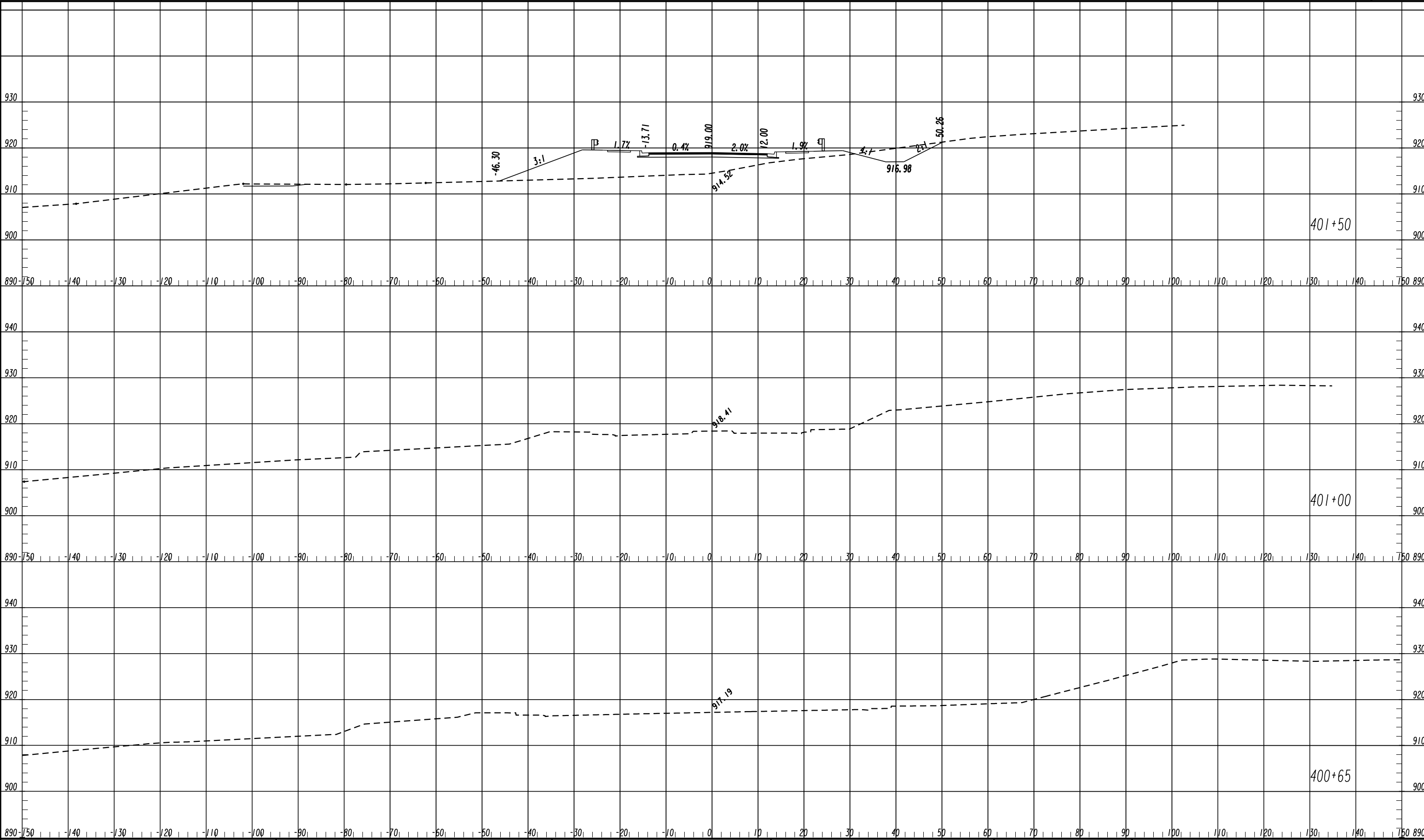
HORIZONTAL SCALE : 1" = 20'
VERTICAL SCALE : 1" = 5'

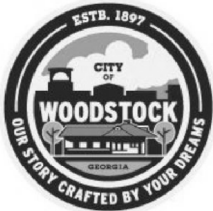
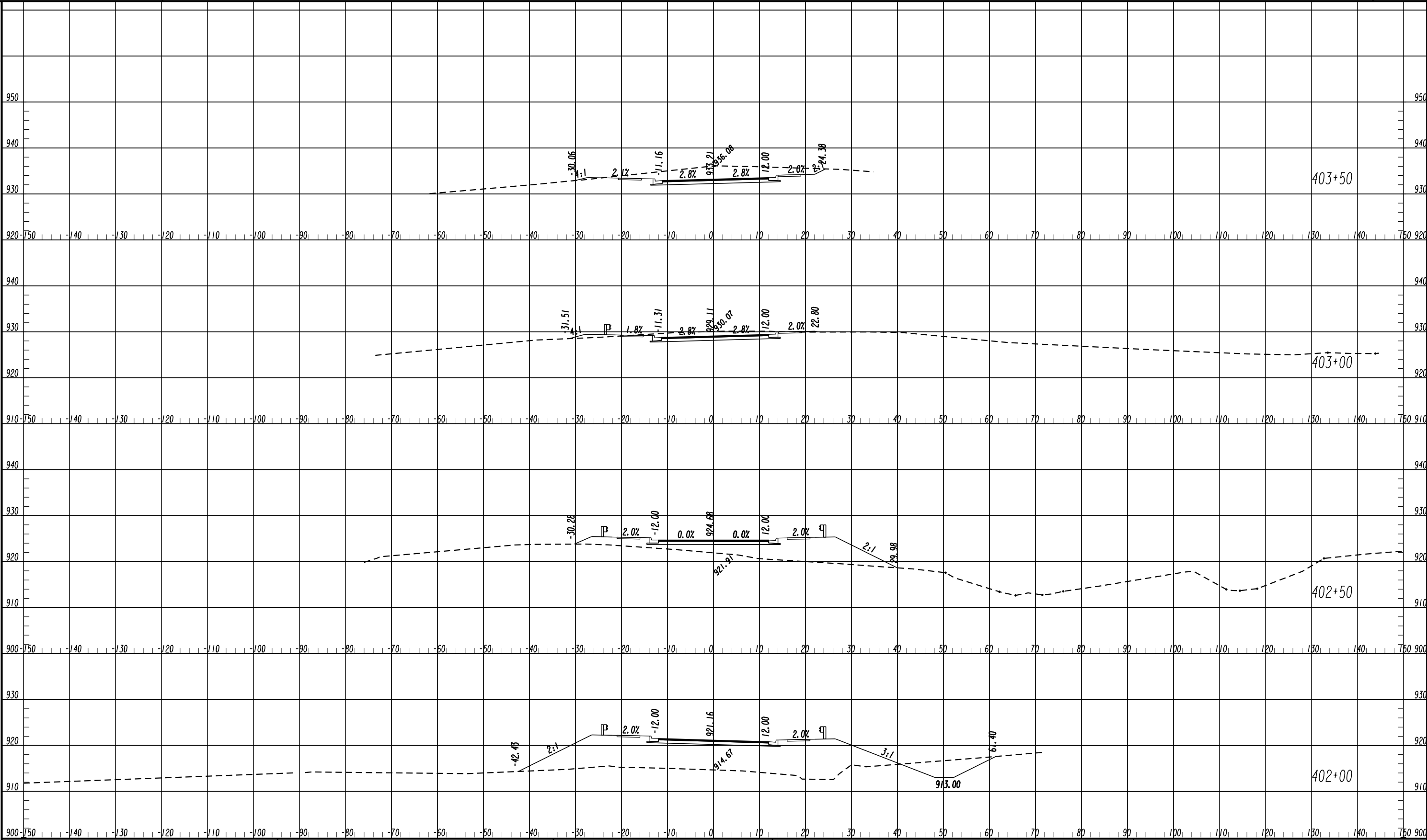
REVISION DATES

DRAINAGE PROFILES
LYNDEE LANE EXTENSION

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22-0002





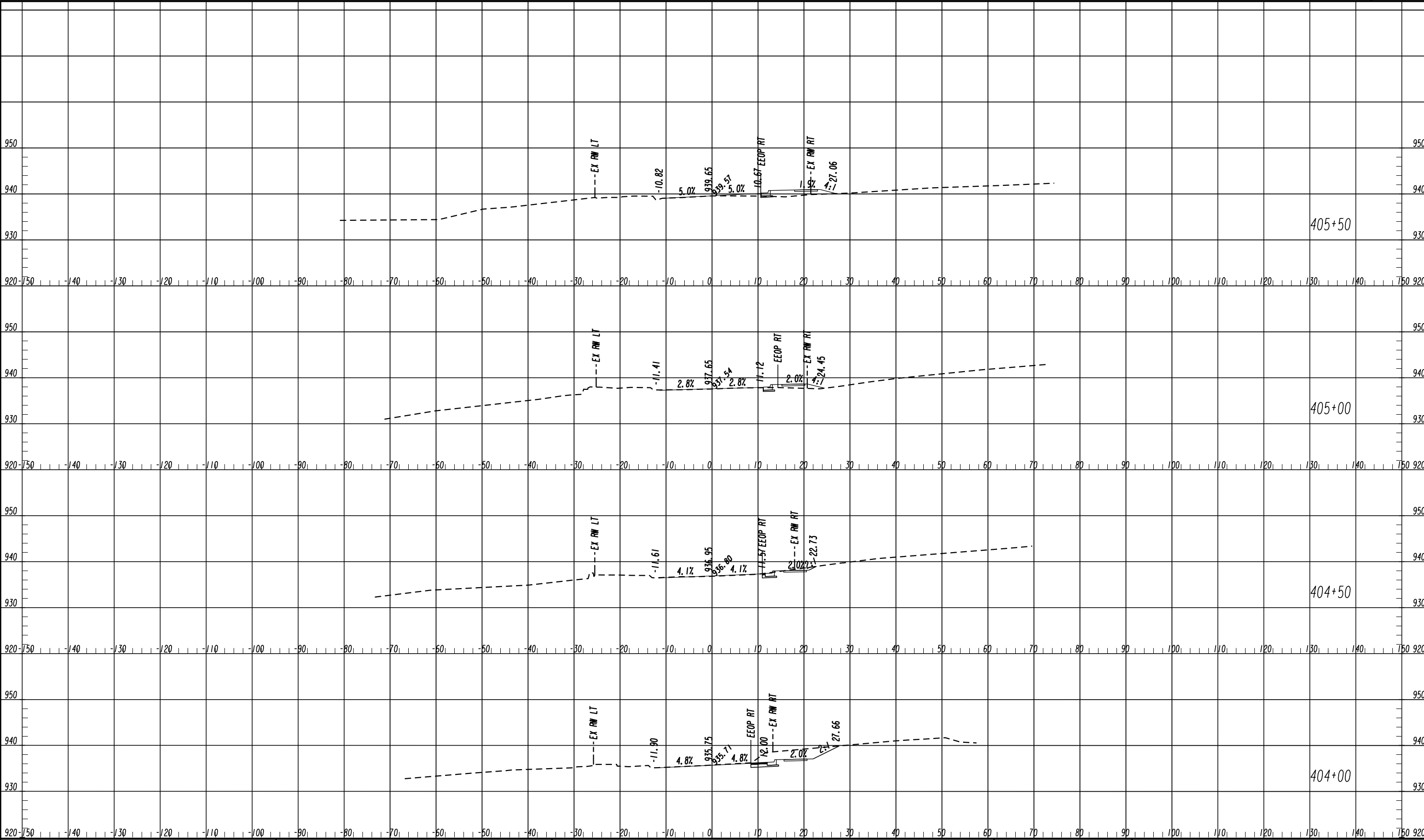
HORIZONTAL SCALE : 1" = 10'
VERTICAL SCALE : 1" = 10'

REVISION DATES

CROSS SECTIONS - LYNDEE LANE

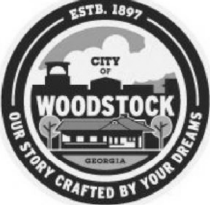
LYNDEE LANE EXTENSION

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11/11/2025

SUXSEW



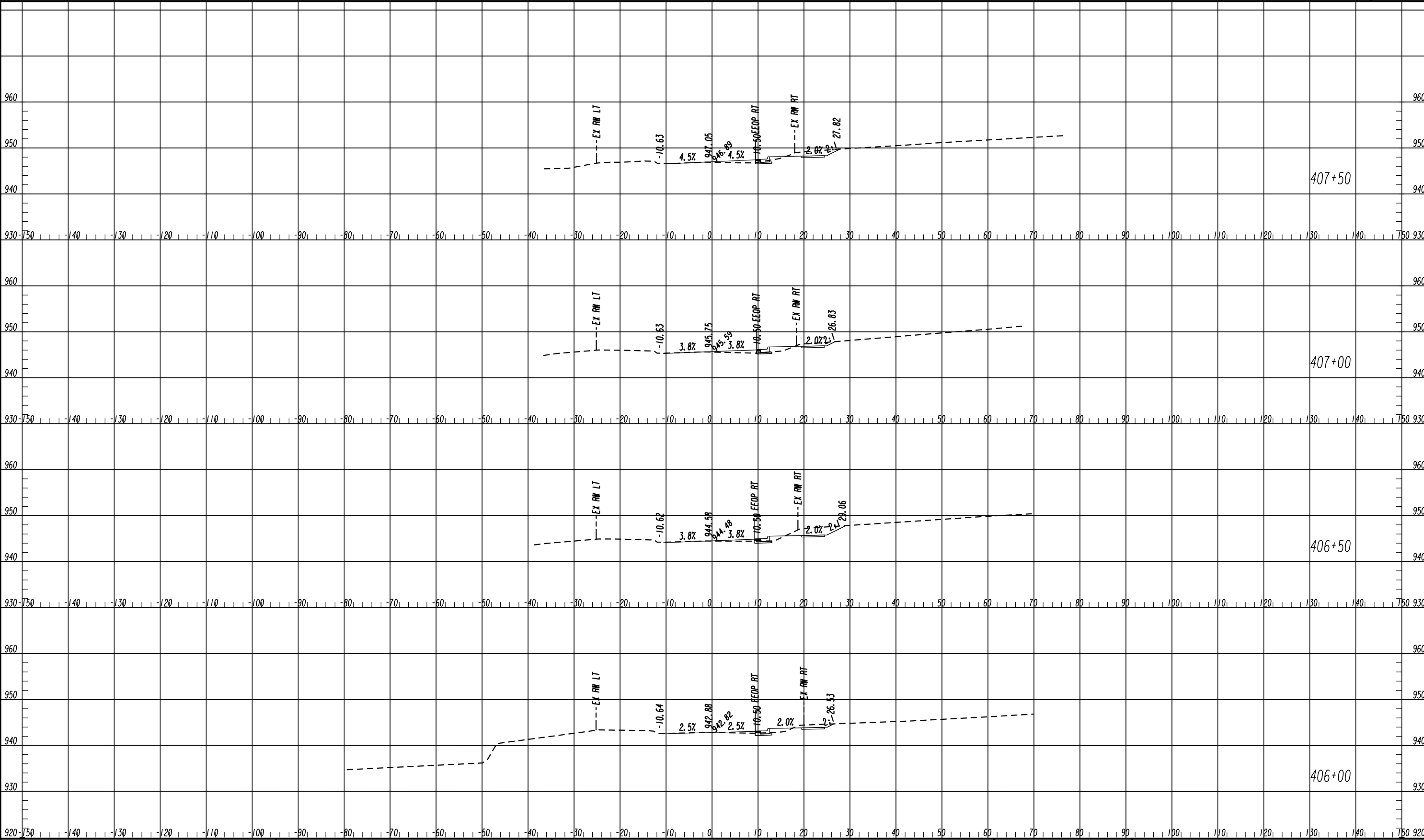
ARCADIS

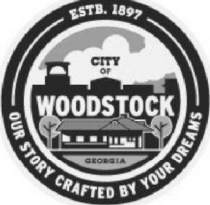
HORIZONTAL SCALE : 1" = 10'
VERTICAL SCALE : 1" = 10'

REVISION DATES	

CROSS SECTIONS - LYNDÉE LANE			
LYNDÉE LANE EXTENSION			
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CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0003





ESTD. 1897
CITY OF
WOODSTOCK
GEORGIA
OUR STORY CRAFTED BY YOUR DREAMS



ARCADIS

HORIZONTAL SCALE : 1" = 10'

VERTICAL SCALE : 1" = 10'

REVISION DATES

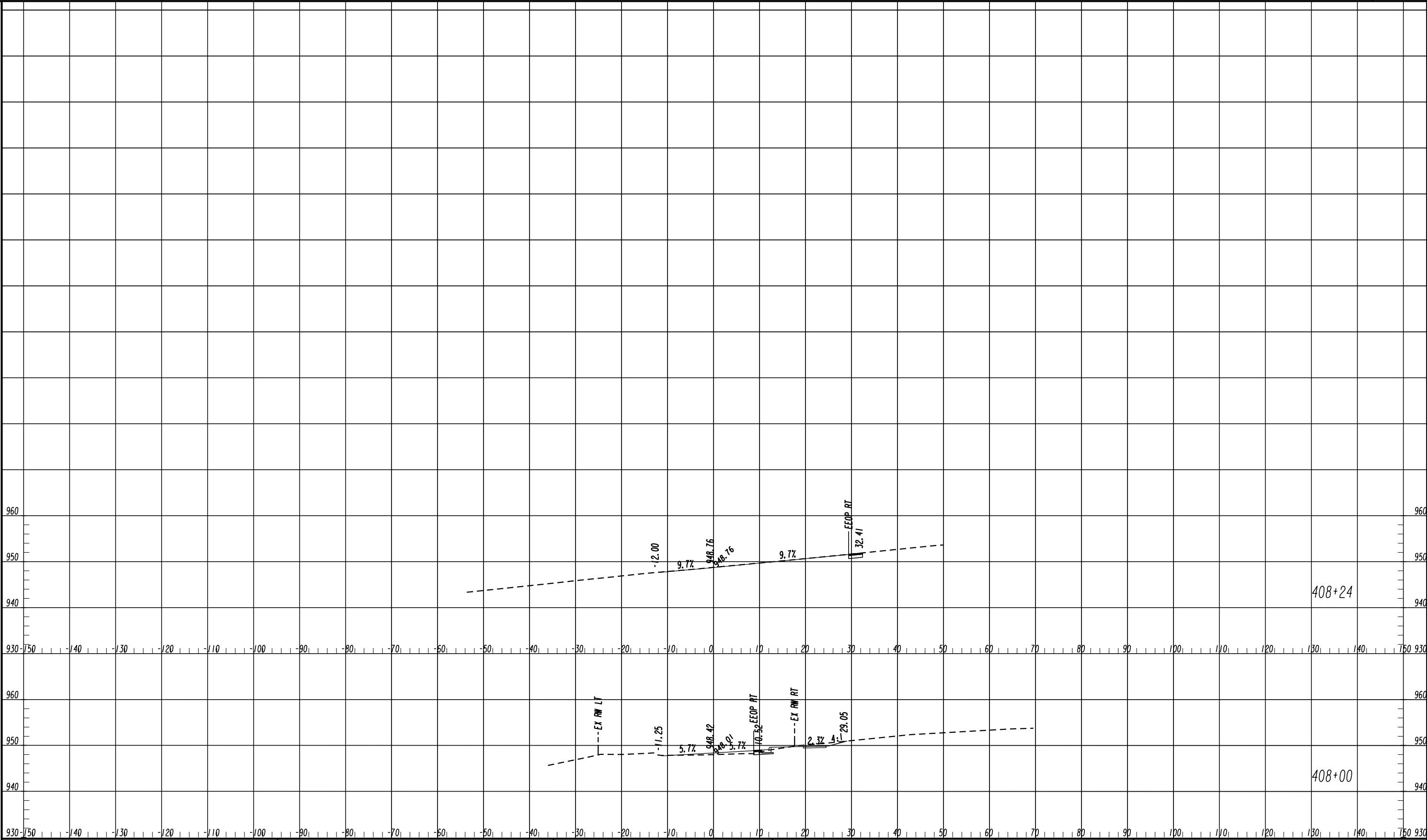
CROSS SECTIONS - LYNDEE LANE

LYNDEE LANE EXTENSION

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CORRECTED:		DATE:		
VERIFIED:		DATE:		

11/11/2025

SUXSEW



	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD				ELECTRIC
				ELECTRIC (OL-C)
				ELECTRIC (OL-B)
				CABLE TV (OL-D)
				CABLE TV (OL-C)
				CABLE TV (OL-B)
				WATER (OL-D)
				WATER (OL-C)
				WATER (OL-B)
				WATER FOR LABELED PIPE SIZES (OL-D)
				WATER FOR LABELED PIPE SIZES (OL-C)
				WATER FOR LABELED PIPE SIZES (OL-B)
				NON-POTABLE WATER (OL-D)
UNDERGROUND				ELECTRIC (OL-D)
				ELECTRIC (OL-C)
				ELECTRIC (OL-B)
				CABLE TV (OL-D)
				CABLE TV (OL-C)
				CABLE TV (OL-B)
				WATER (OL-D)
				WATER (OL-C)
				WATER (OL-B)
				WATER FOR LABELED PIPE SIZES (OL-D)
				WATER FOR LABELED PIPE SIZES (OL-C)
				WATER FOR LABELED PIPE SIZES (OL-B)
				NON-POTABLE WATER (OL-D)

EXISTING	PROPOSED	TEMPORARY	EXISTING	PROPOSED	TEMPORARY

ABBREVIATIONS LEGEND			
ABAND	ABANDONED	MTD	MULTIPLE TILE DUCT
AC	ASBESTOS CONCRETE	N	NORTH
AWG	AMERICAN WIRE GAUGE	N/A	NOT APPLICABLE
CIP	CAST IRON PIPE	NE	NORTHEAST
CMP	CORRUGATED METAL PIPE	NW	NORTHWEST
CONC	CONCRETE	OE	OVERHEAD ELECTRIC
Cu	COPPER	OT	OVERHEAD TELEPHONE
DIP	DUCTAL IRON PIPE	OTC	OVERHEAD TRAFFIC CONTROL
E	EAST	OTV	OVERHEAD TELEVISION
EIT	ENGINEER IN TRAINING	PE	PROFESSIONAL ENGINEER
ELEV	ELEVATION	PED	PEDESTRIAN
F	FIBER	PR	PAIR
FDC	FIRE DEPARTMENT CONNECTION	PVC	POLYVINYL CHLORIDE
FH	FIRE HYDRANT	PVT	PRIVATELY OWNED
FO	FIBER OPTIC	RG	RADIO GRADE (CABLE)
GIS	GEOGRAPHICAL INFORMATION SYSTEM	RIP	RETIRED IN PLACE
HDPE	HIGH DENSITY POLYETHYLENE	RPM	REINFORCED PLASTIC MORTAR
HWY	HIGHWAY	S	SOUTH
ID	IDENTIFY	SE	SOUTHEAST
LP	LIGHT POLE	SM	SINGLE MODE
MAT	MATERIAL	SR	STATE ROUTE
MCD	MULTIPLE CONCRETE DUCT	SS	SANITARY SEWER
MH	MANHOLE	SSMH	SANITARY SEWER MANHOLE
STA	STATION		
STR	STRAND		
SUE	SUBSURFACE UTILITY ENGINEERING		
SVC	SERVICE, UNKNOWN SIZE/TYPE		
SW	SOUTHWEST		
TERM	TERMINATE		
TLP	TRAFFIC LIGHT POLE		
TOC	TOP OF CASING		
UE	UNDERGROUND ELECTRIC		
UG	UNDERGROUND GAS		
UNK	UNKNOWN		
US	UNITED STATES		
USWR	UNDERGROUND SEWER		
UT	UNDERGROUND TELEPHONE		
UTC	UNDERGROUND TRAFFIC CONTROL		
UTV	UNDERGROUND TELEVISION		
UW	UNDERGROUND WATER		
VCP	VITIRFIED CLAY PIPE		
W	WEST		
XFMR(S)	TRANSFORMER(S)		
'	FEET		
*	INCH		

QUALITY LEVELS AND DEFINITIONS

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

OL-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.

OL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. OL-B DATA 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 DOCUMENTS.

OL-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

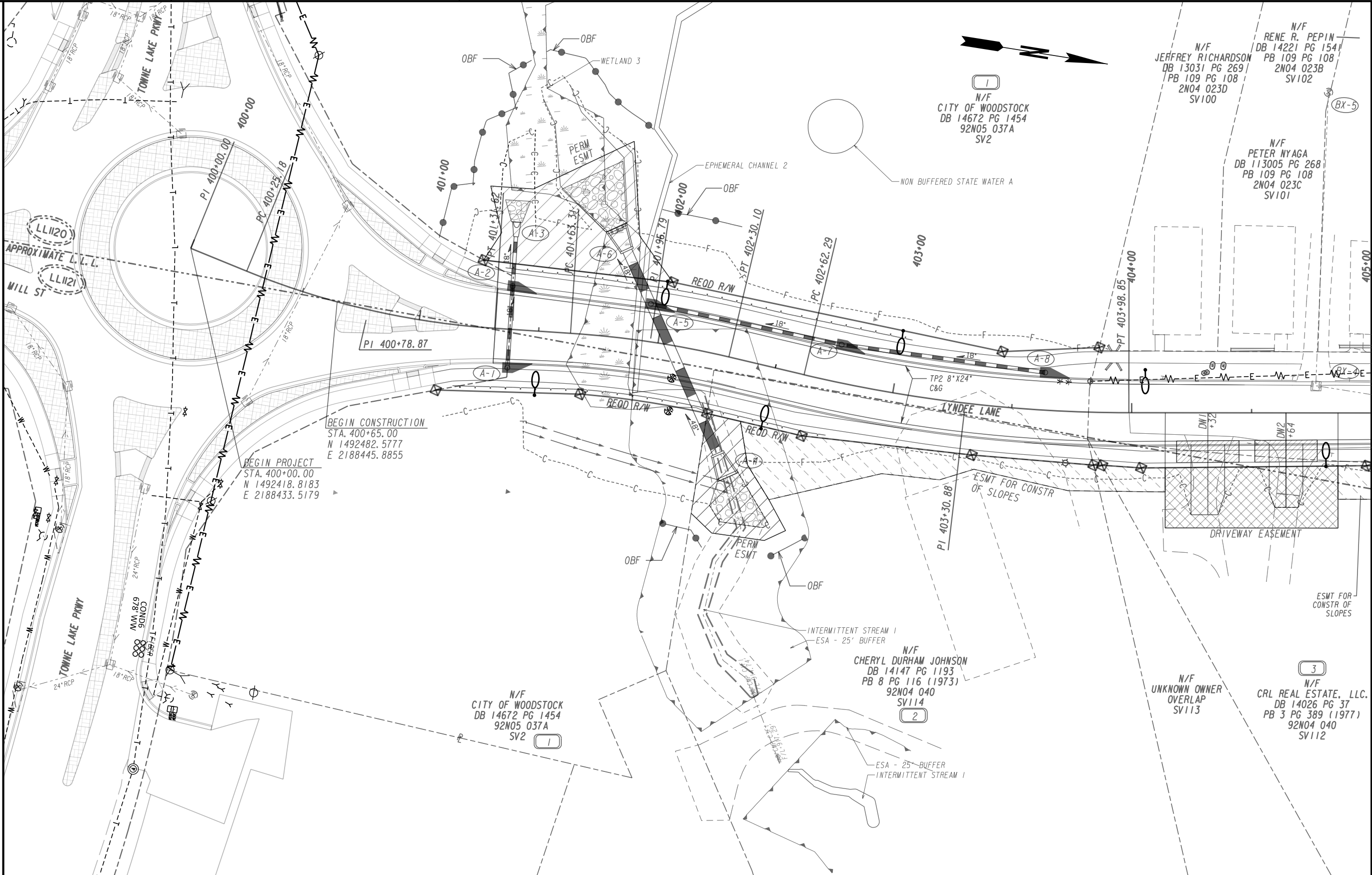
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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

REVISION DATES	

UTILITY PLANS	
LYNDEE LANE EXTENSION	
CHECKED:	DATE:
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CORRECTED:	DATE:
VERIFIED:	DATE:

DRAWING No.
24-0000



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

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

ESTD. 1895

CITY OF WOODSTOCK

MAINTAINED BY THE STATE

ARCADIS

SCALE IN FEET

0

20

40

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REVISION DATES

UTILITY PLANS

LYNDEE LANE EXTENSION

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CORRECTED:

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DATE:

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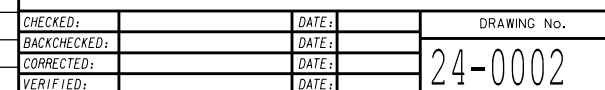
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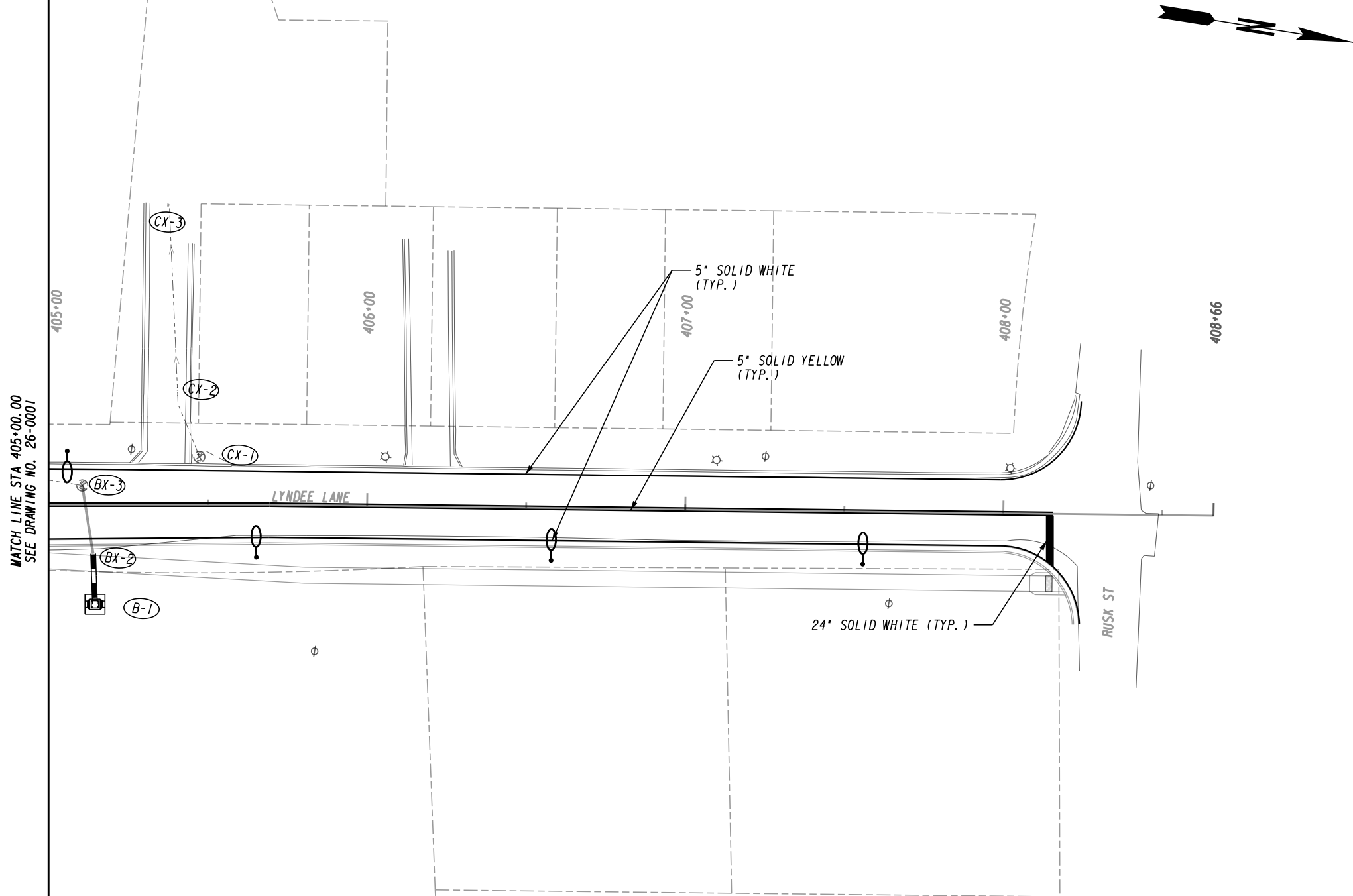
24-0001

10/23/2015 GPLN





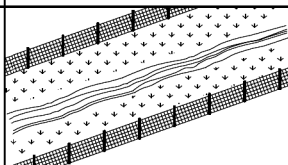
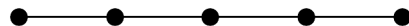
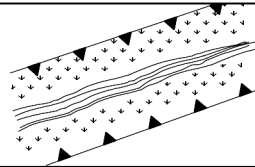
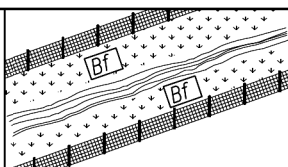
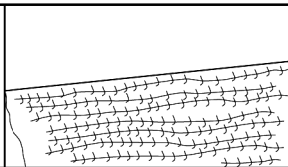
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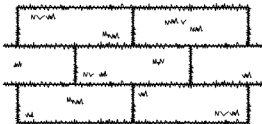
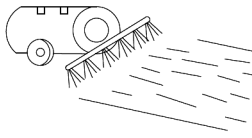
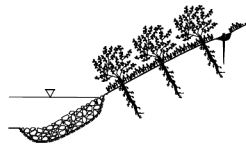


MATCH LINE STA 405+00.00
SEE DRAWING NO. 26-0001

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

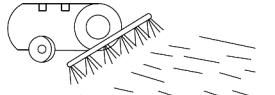
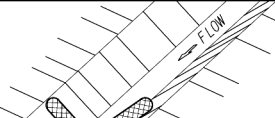
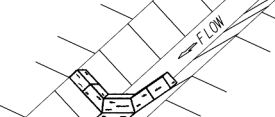
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END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

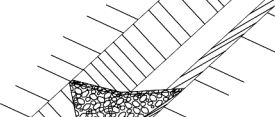
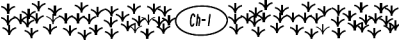
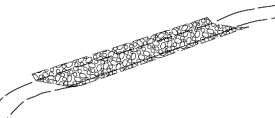
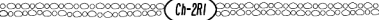
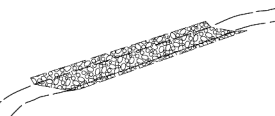
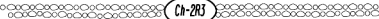
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE 		
ESA	ENVIRONMENTALLY SENSITIVE AREA		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 		
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 Ds3		
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 		
F1-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 F1-Co 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 		

NOTE:

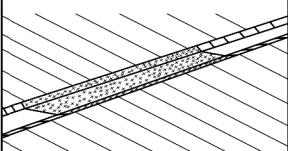
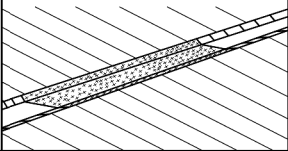
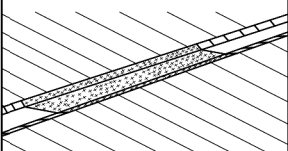
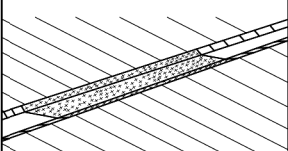
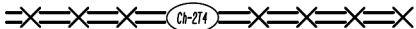
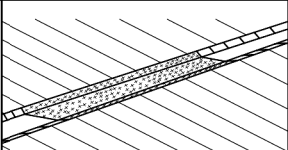
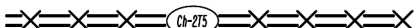
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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

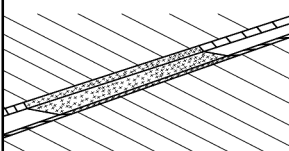
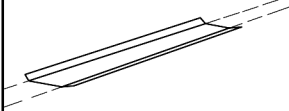
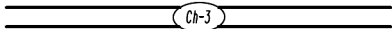
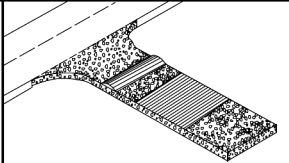
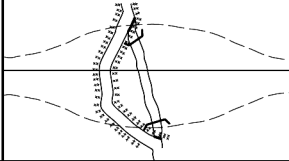
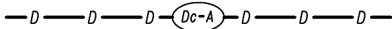
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. 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 SPLASHPAD. 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-I	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.
		LINE CODE 	

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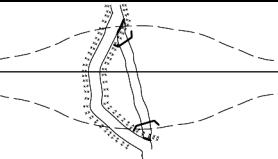
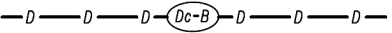
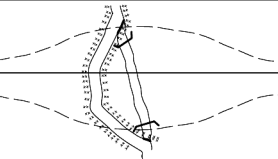
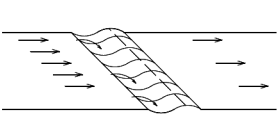
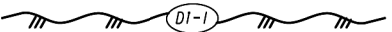
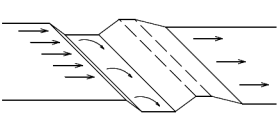
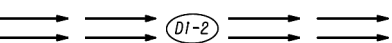
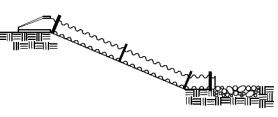
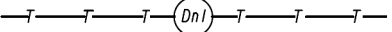
1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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

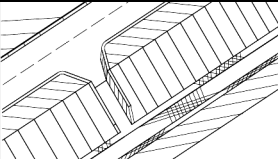
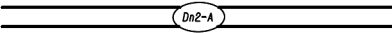
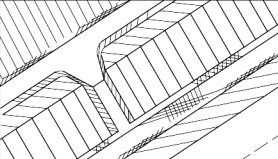
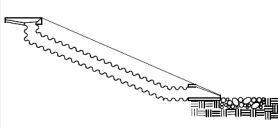
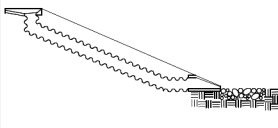
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE 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".

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY 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 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.
	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.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE 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 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.
	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.
DI-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		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.
	LINE CODE 		
DI-2	DIVERSION CHANNEL SECTION 205		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.
	LINE CODE 		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 CONSTRUCTION DETAIL D-19 SECTION 163		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'.
	LINE CODE 		THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.

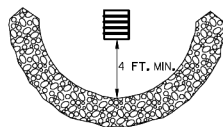
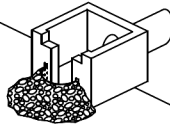
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL 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).
	LINE CODE 		
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 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).
	LINE CODE 		
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).
	LINE CODE 		
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).
	LINE CODE 		

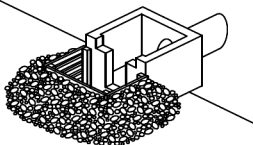
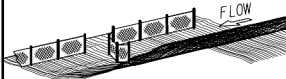
NOTE:

- 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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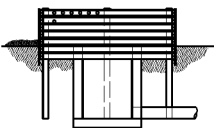
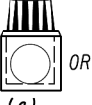
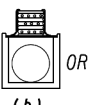
REVISION DATES			EROSION CONTROL LEGEND		
3/2/2017			UNIFORM CODE SHEET		
			SHEET 4 OF 7		
CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.		
BACKCHECKED:		DATE:			
CORRECTED:		DATE:			
VERIFIED:		DATE:	52-0004		

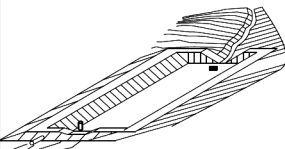
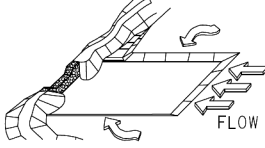
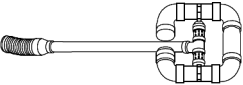
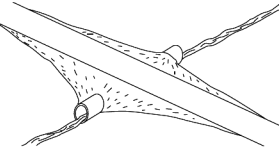
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT 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		
Rt-B	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 REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.		
	SYMBOL Rt-B				
Rt-Sg1	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 Rt-Sg1 Rt-Sg2 Rt-Sg3	
SdI-NS	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'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.		
				LINE CODE A — A — A — SdI-NS — A — A — A —	
SdI-S	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. 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.		
				LINE CODE C — C — C — SdI-S — C — C — C —	

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".

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) (b) (c)	(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	 FLOW	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".

NO SCALE

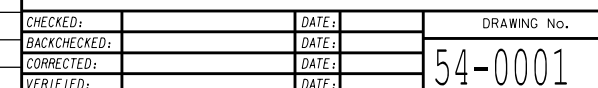
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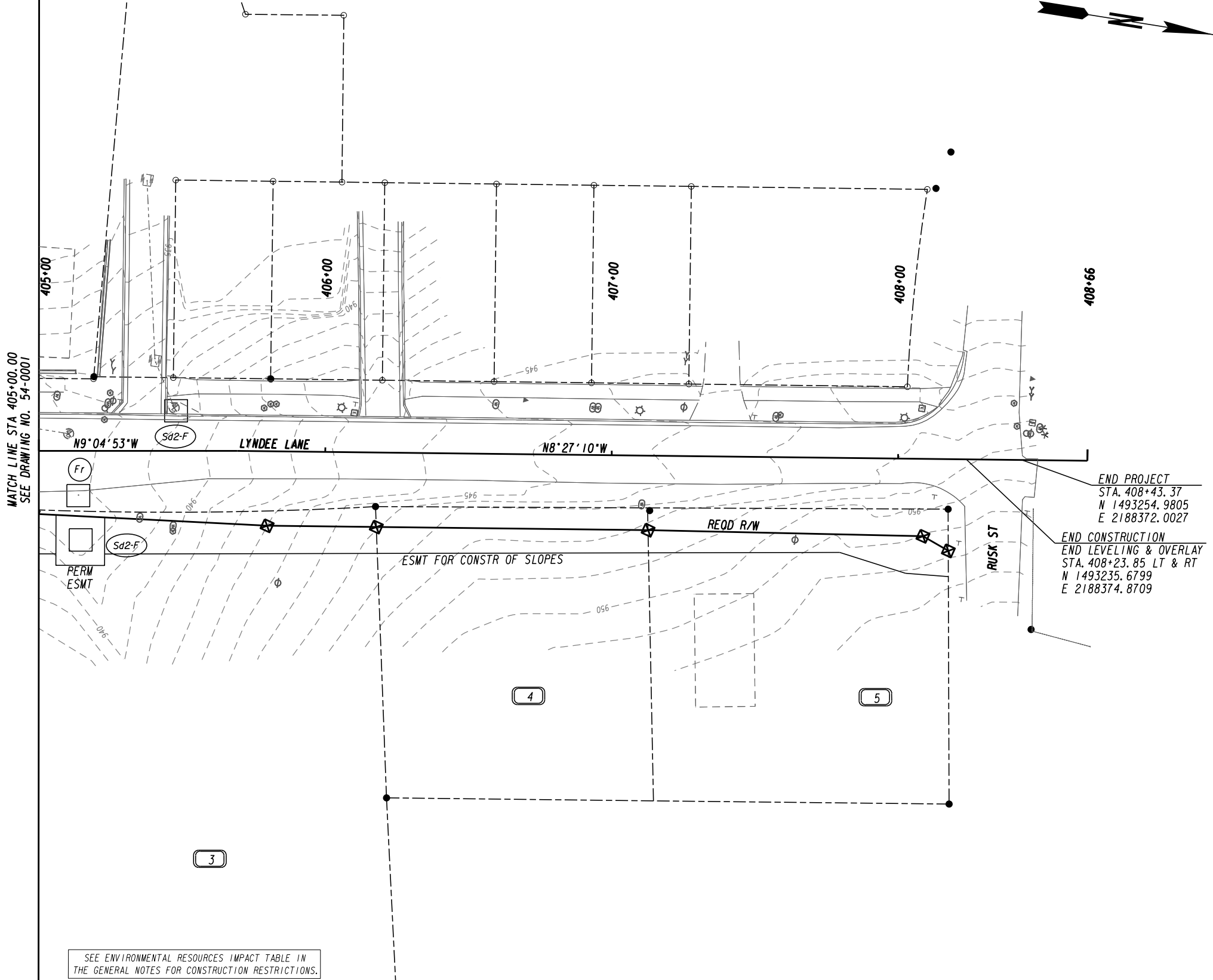
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1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF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

REVISION DATES			EROSION CONTROL LEGEND UNIFORM CODE SHEET SHEET 7 OF 7				
3/2/2017							
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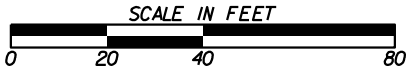
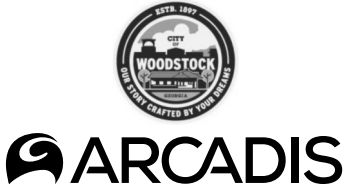
NO SCALE





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

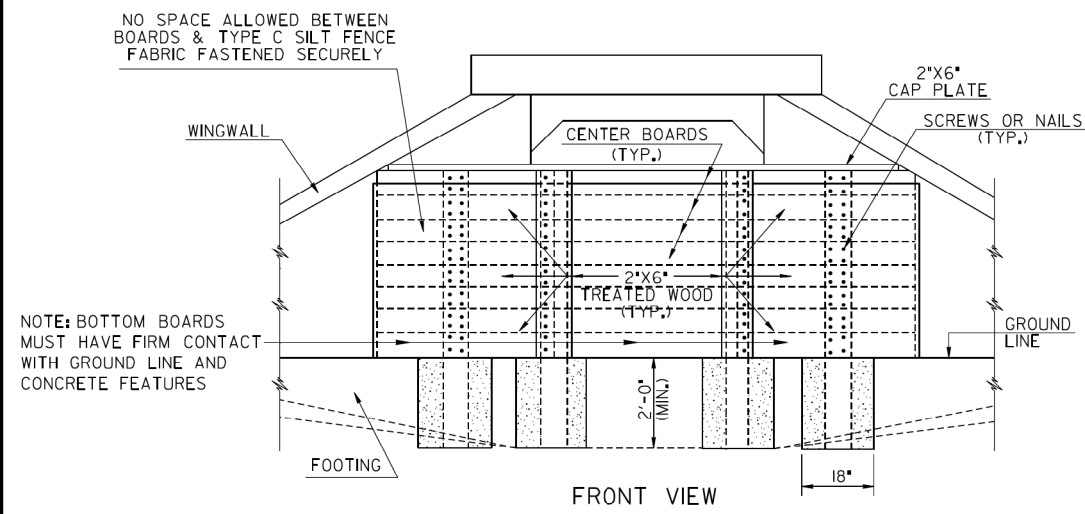
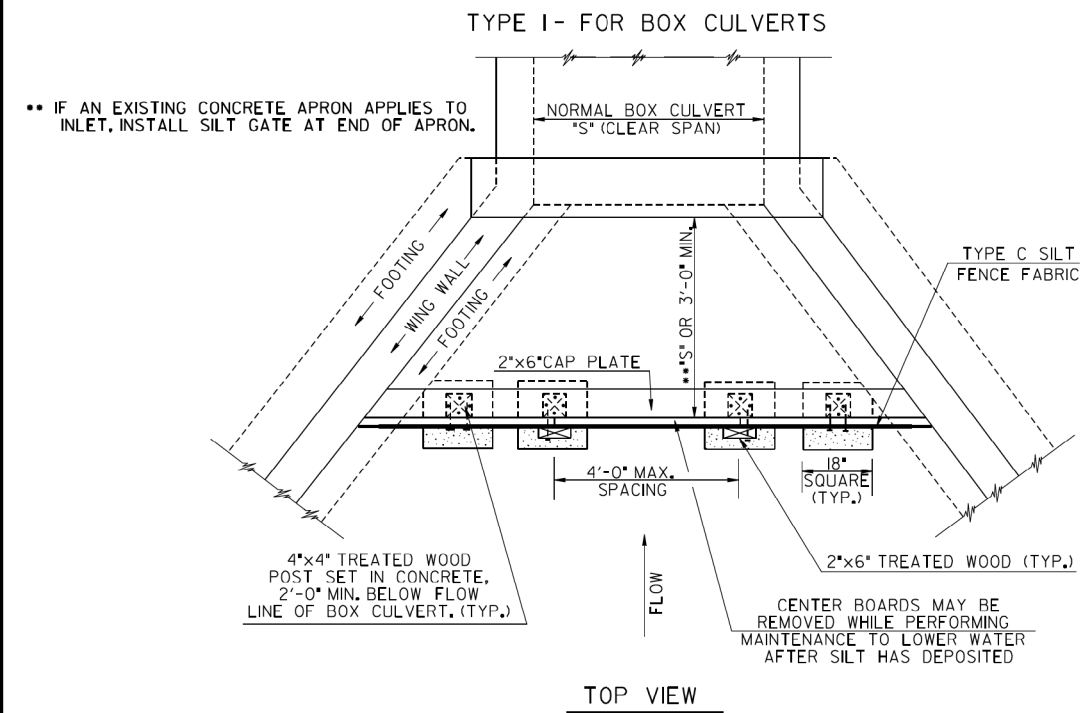
BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)



REVISION DATES		

INITIAL PHASE BMP LOCATION DETAILS
LYNDEE LANE EXTENSION

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		



SILT CONTROL GATE TYPE I NOTES:

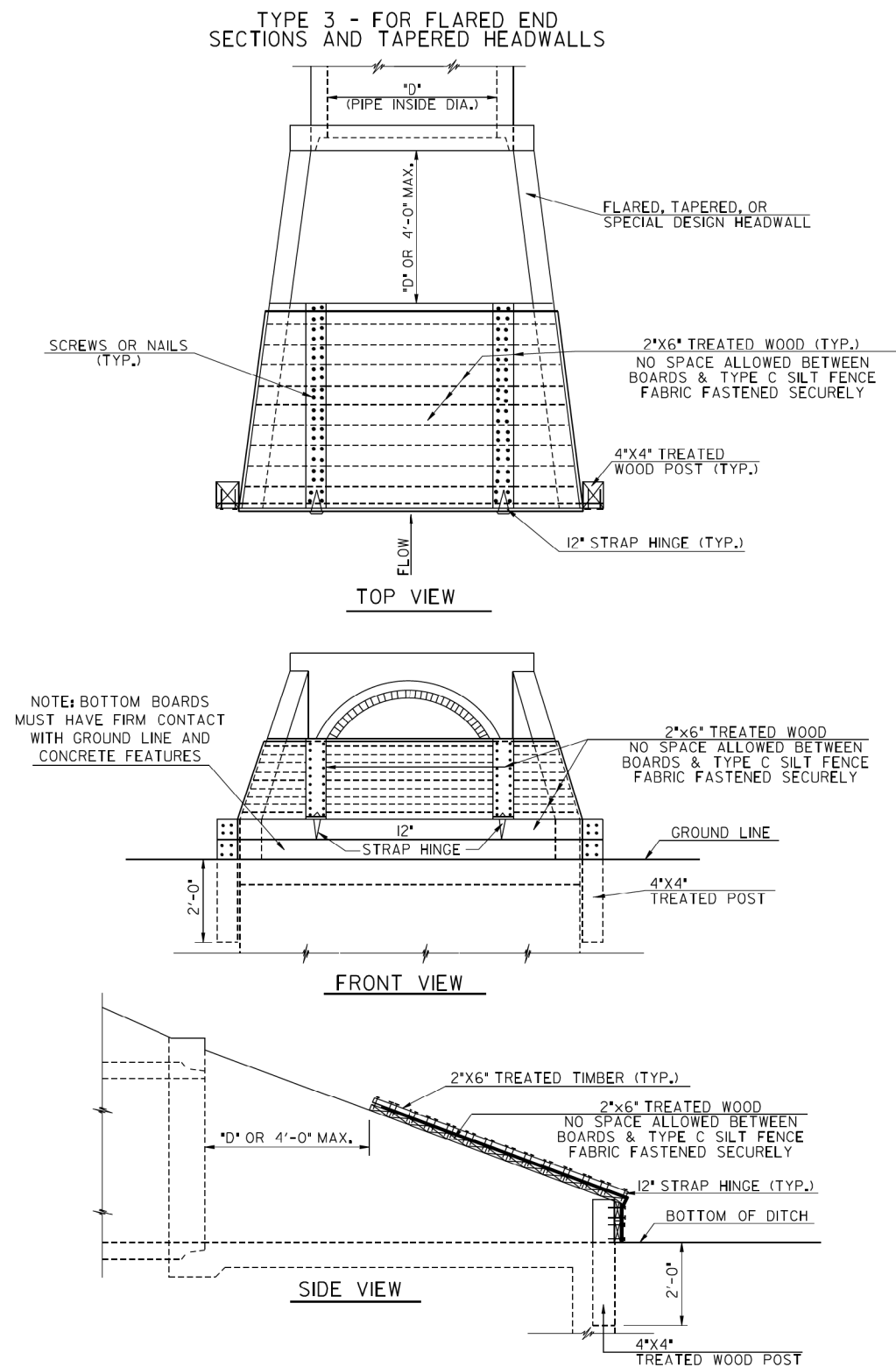
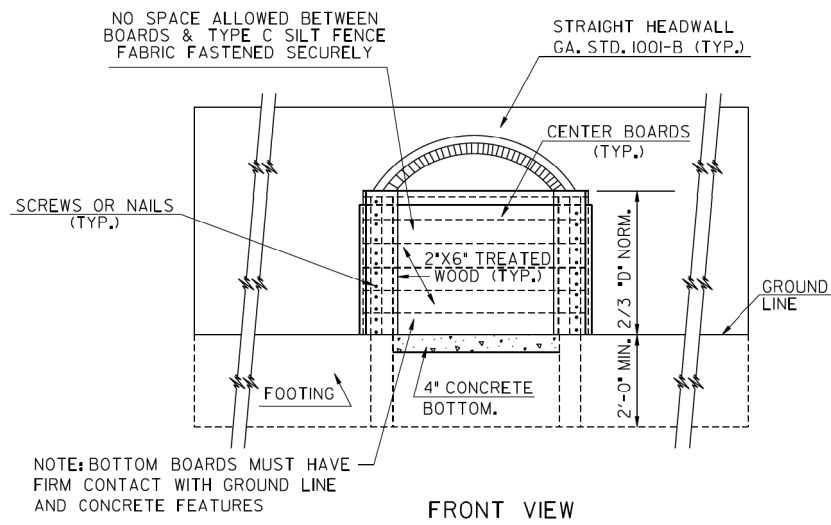
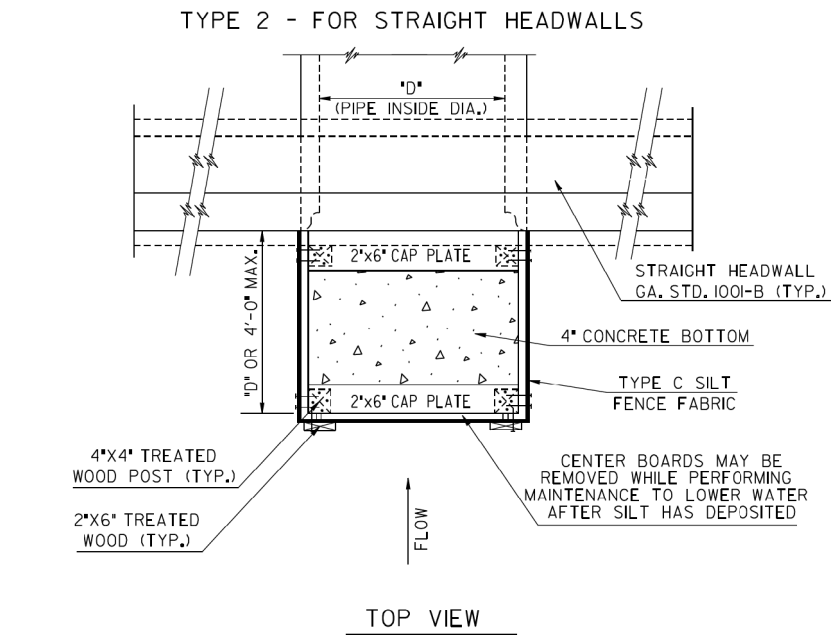
1. REFER TO GA. STD 2332 FOR CONCRETE APRONS.
2. SEE SECTION 163 FOR THE REMOVAL OF TYPE I SILT CONTROL GATES.

GENERAL NOTES:

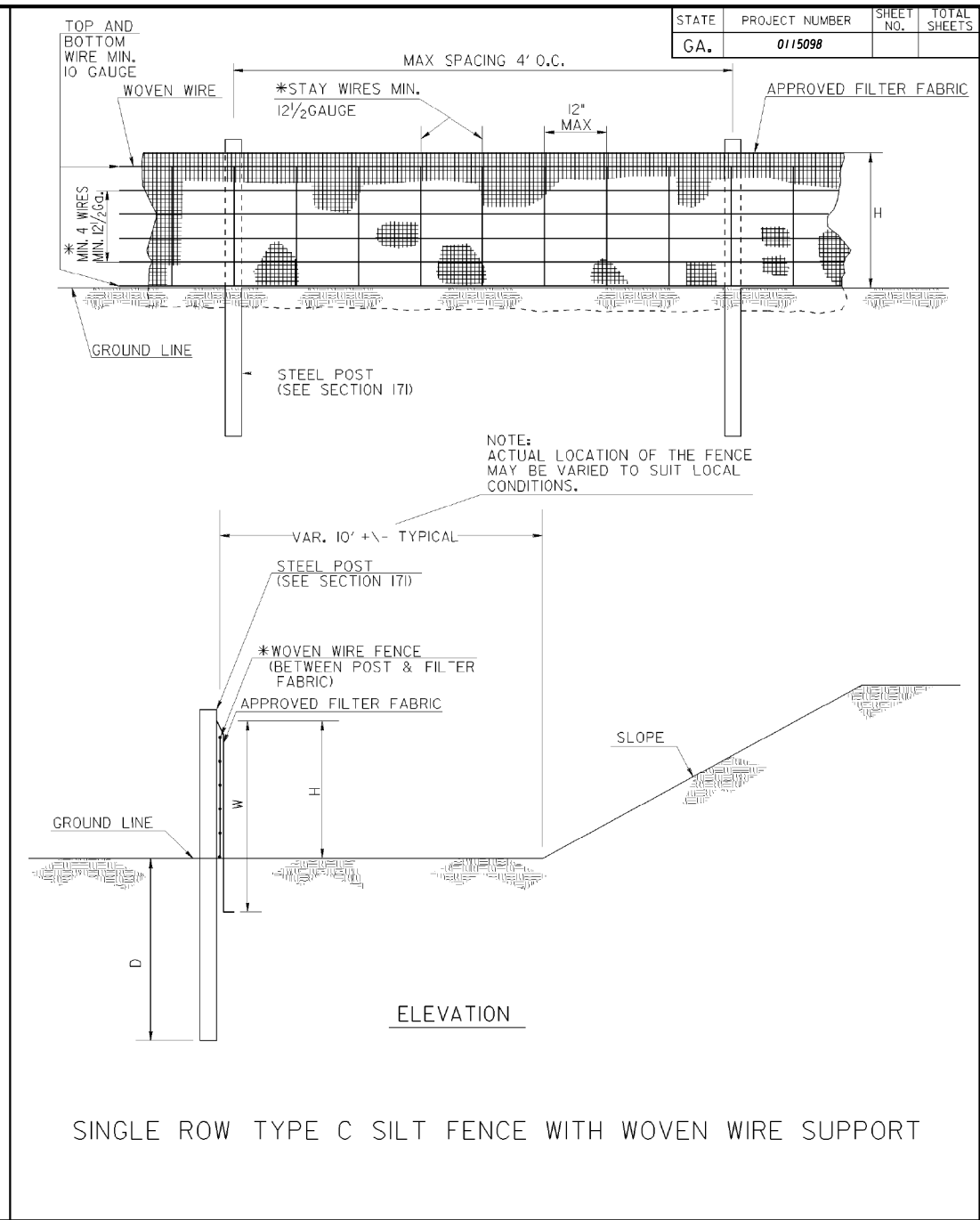
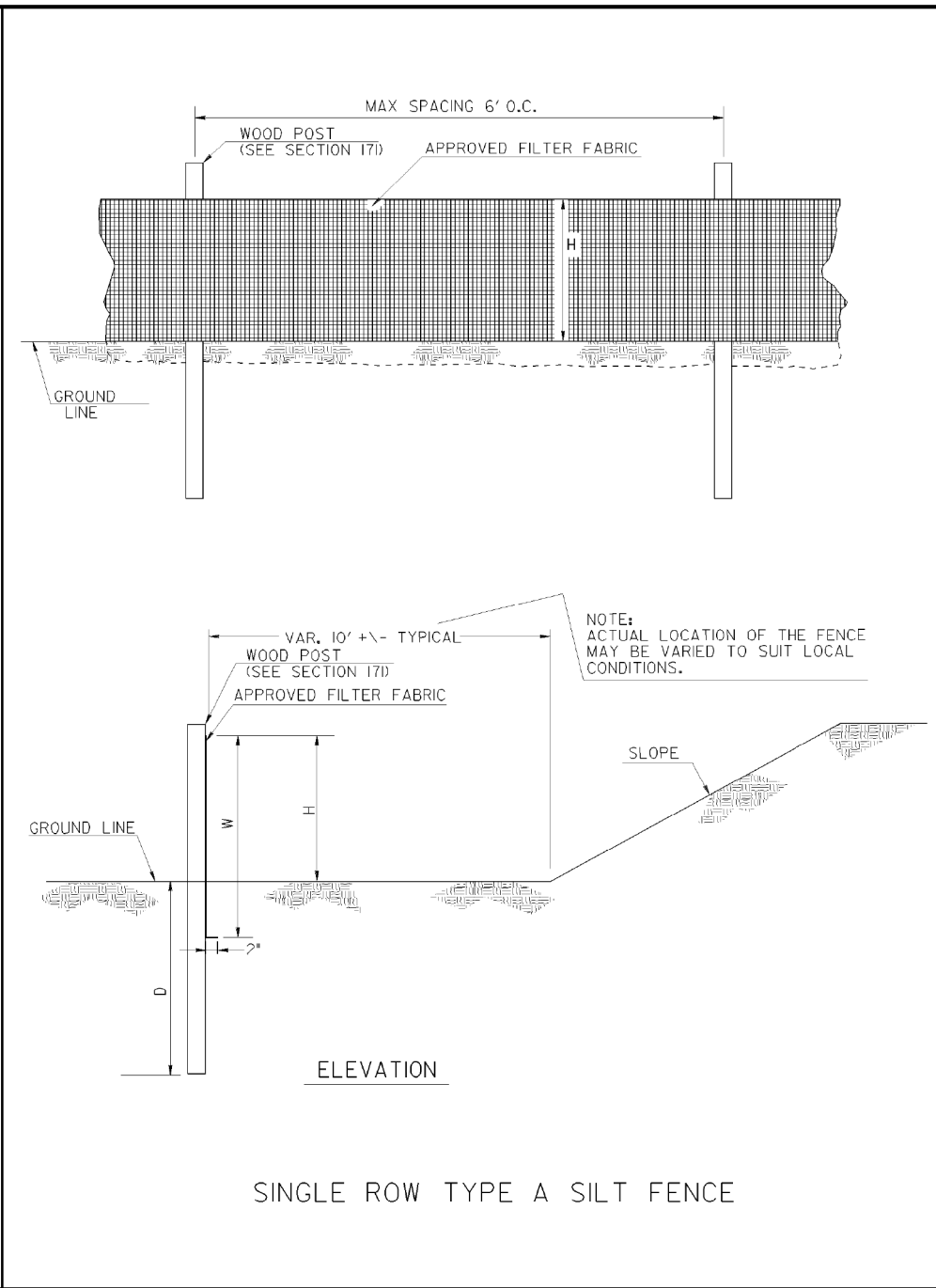
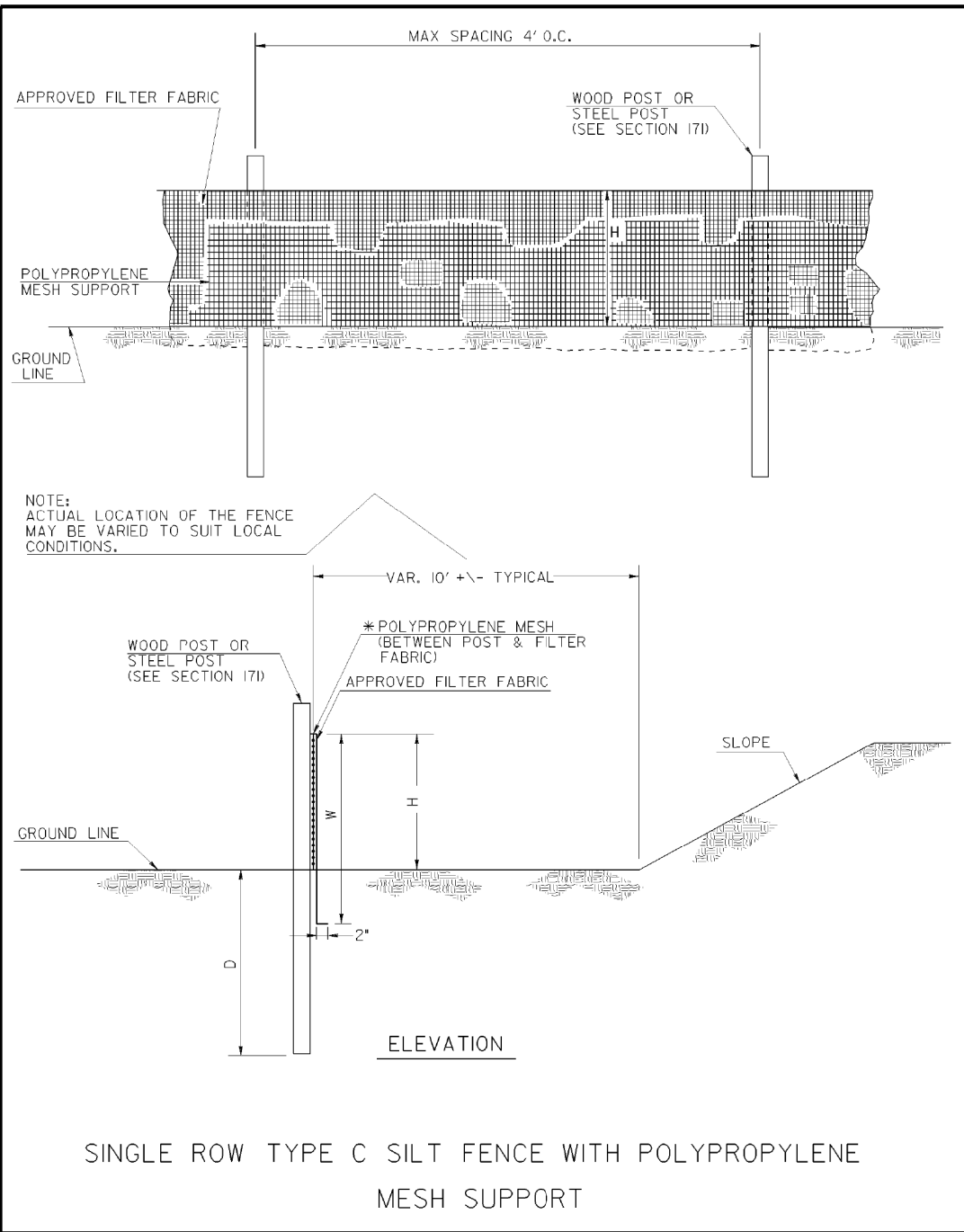
1. A SILT CONTROL GATE IS A TEMPORARY STRUCTURE PLACED AT INLETS TO FORM A BASIN FOR TRAPPING SEDIMENT.
2. SILT GATES SHALL NOT BE USED ON STRUCTURES THAT CONVEY STATE WATERS.
3. SILT GATES SHALL ONLY BE USED ON DRAINAGE AREAS UP TO 50-ACRES WITH NO MORE THAN 5-ACRES DISTURBED WITHIN THE DRAINAGE AREA.
4. USE WOOD SCREWS OR NAILS TO CONNECT WOOD COMPONENTS WITH NO SPACE ALLOWED BETWEEN BOARDS. TYPE C SILT FENCE FABRIC MUST BE FASTENED SECURELY WITH STAPLES OR NAILS TO OUTSIDE FACE OF BOARDS AND COVERING ALL BUTT-JOINTS BETWEEN BOARDS. OVERLAP ADDITIONAL SILT FENCE FABRIC A MINIMUM OF 12-INCHES.
5. REMOVE SEDIMENT WHEN IT REACHES ONE-THIRD THE HEIGHT OF SILT CONTROL GATE AND SILT FENCE FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.

PAY ITEMS:

163-0501	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1	(EA)
163-0502	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 2	(EA)
163-0503	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	(EA)
165-0085	MAINTENANCE OF SILT CONTROL GATE, TP 1	(EA)
165-0086	MAINTENANCE OF SILT CONTROL GATE, TP 2	(EA)
165-0087	MAINTENANCE OF SILT CONTROL GATE, TP 3	(EA)



DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA				CONSTRUCTION DETAILS SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3			
ADD. FABRIC & ADD. NOTES	4-22-16	ADD. & REV SILT GATE NOTES	1-19-11	REV. LUMBER SIZES	3-21-05	REV. SPECIFICATION	10-22-02
REMOVE INLET SEDIMENT TRAP				ADDED PAYMENT NOTE		REVISION	
DLE		GLO		BY		DATE	
TPC		MGR					
NO SCALE				REV. & REDR. DEC., 2000			
56-0001				NUMBER D-20			

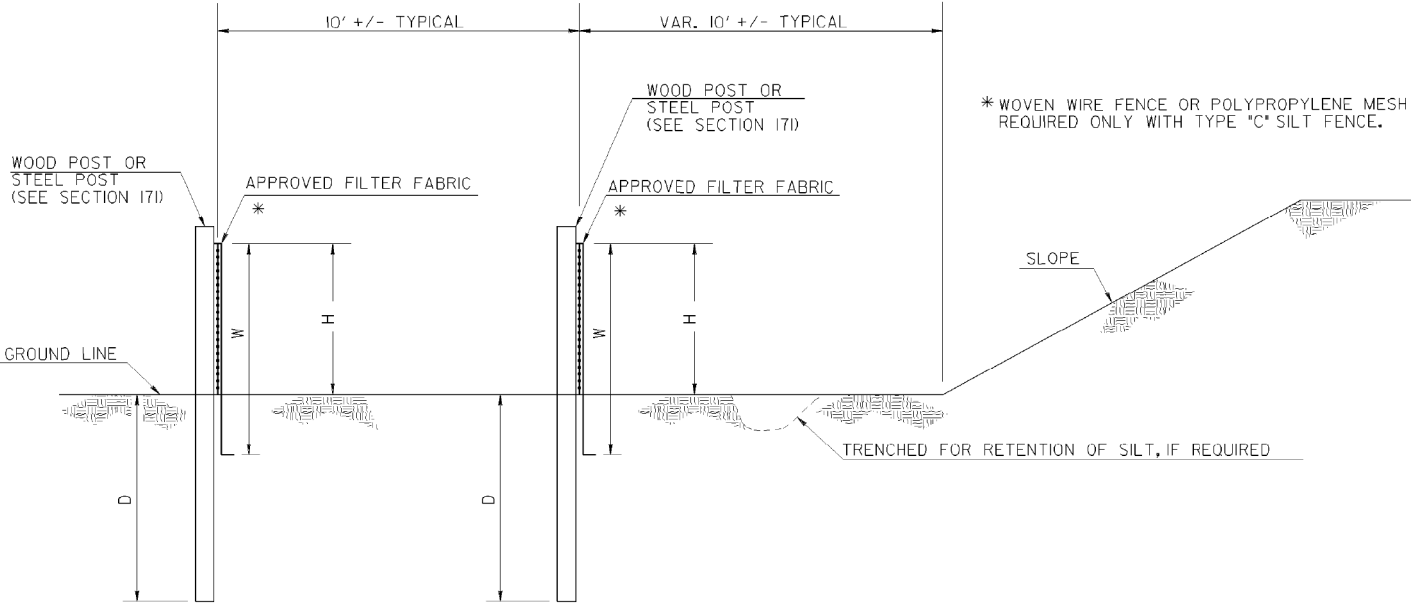


FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.

NOTES:

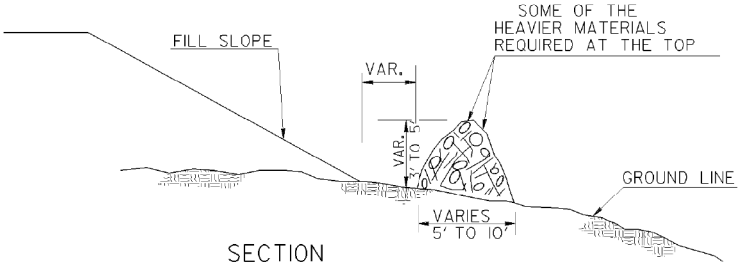
1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST 1/2 INCHES LONG AND A CROWN AT LEAST 3/4 INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST 3/4 INCHES WIDE.
2. NAILS OR STAPLES SHALL BE EVENLY PLACED WITH AT LEAST 5 PER POST FOR TYPE A FENCE AND 4 PER POST FOR TYPE C FENCE.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 1/2 GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE QPL-36 FOR A LIST APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE	
		BY	NO SCALE	REV. AND REDRAWN JAN. 2011
			56-0002	NUMBER D-24A (SHEET 1 OF 4)



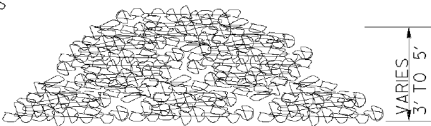
ELEVATION
DOUBLE ROW SILT FENCE

FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.



SECTION

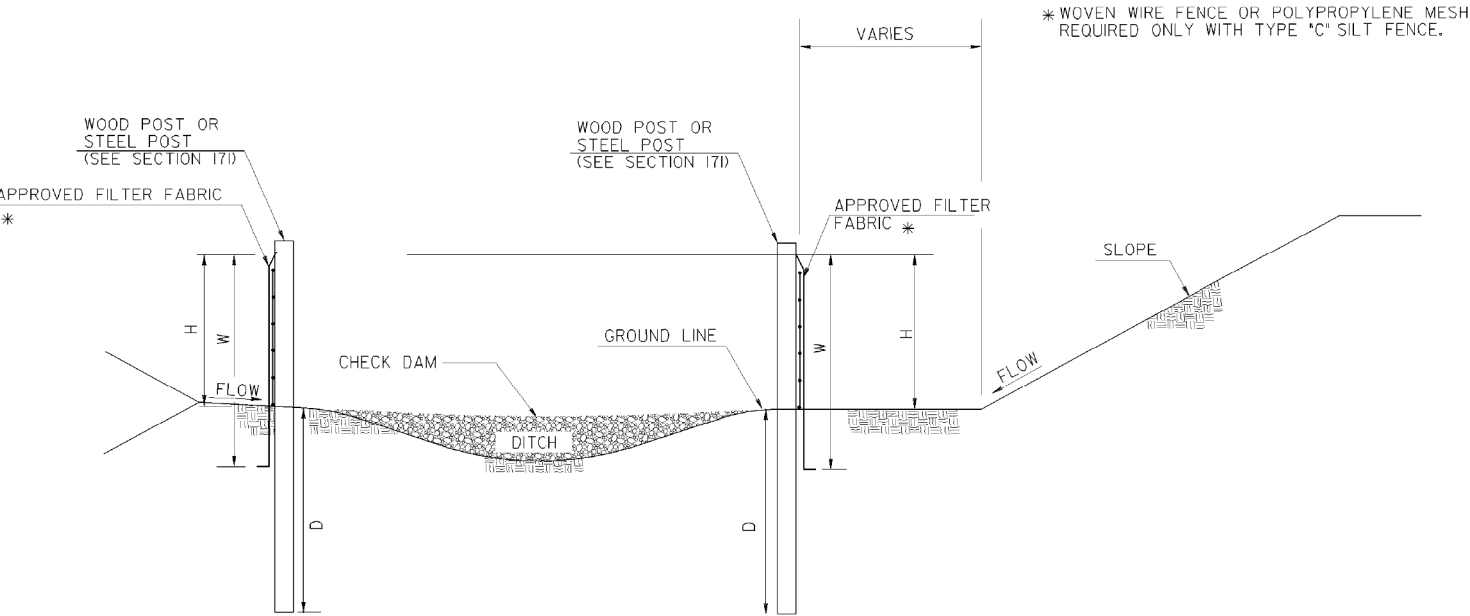
NOTE: INTERMINGLE BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM.



FRONT VIEW

NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

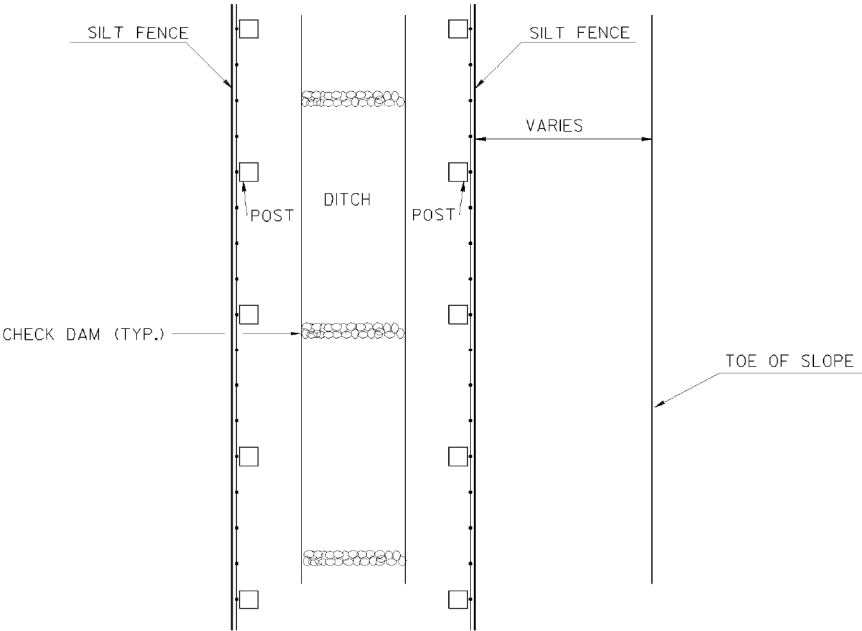
BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)



ELEVATION

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

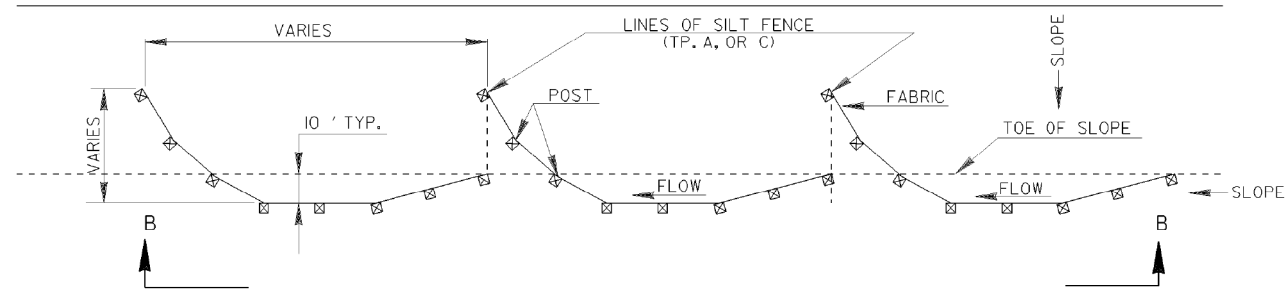
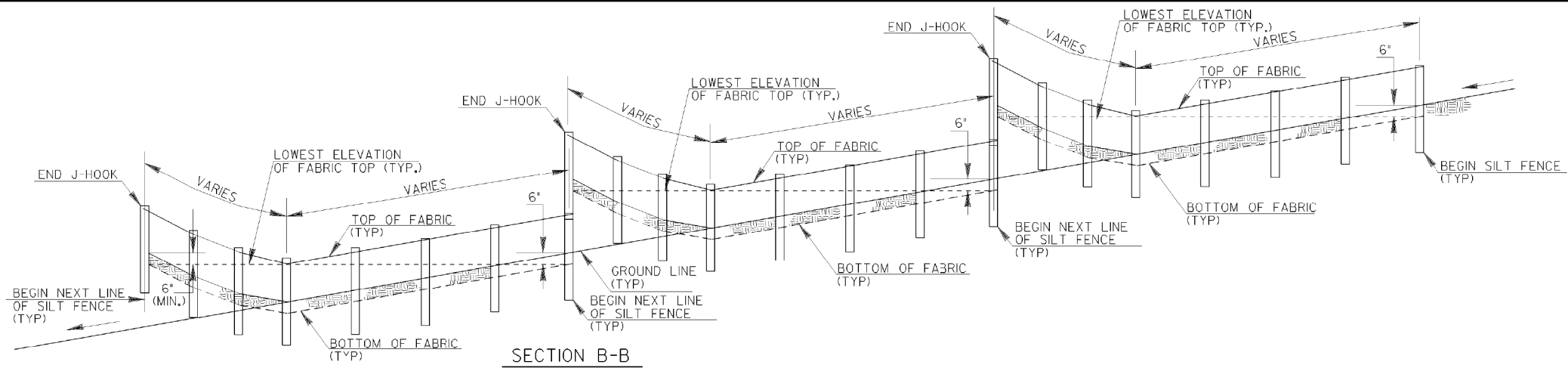
FENCE TYPE	POST LENGTH	H	D	W	TYPICAL USES
TYPE "A"	4 FT.	2'-4"	1'-6"	3'-0"	
TYPE "C"	4 FT.	2'-4"	1'-6"	3'-0"	AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D.



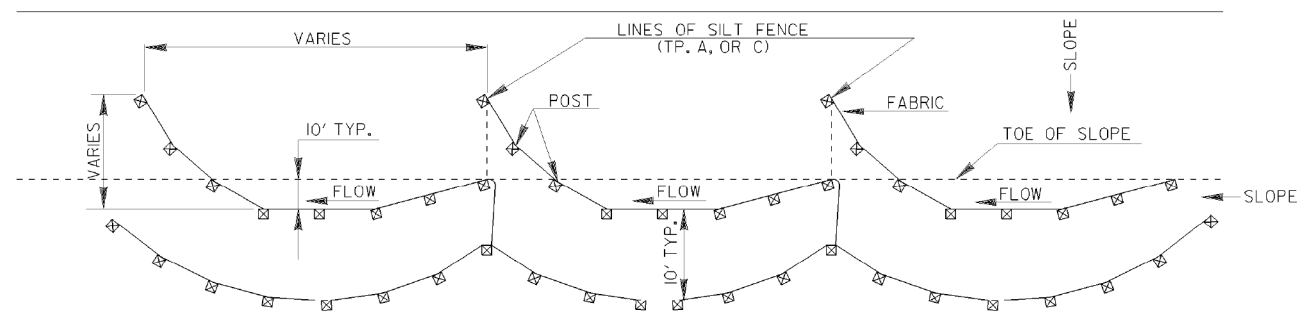
PLAN

NOTE: TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	CONSTRUCTION DETAILS TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER NO SCALE REV. AND REDRAWN JAN. 2011	
		BY	56-0003	NUMBER D-24B (SHEET 2 OF 4)



SINGLE ROW SILT FENCE

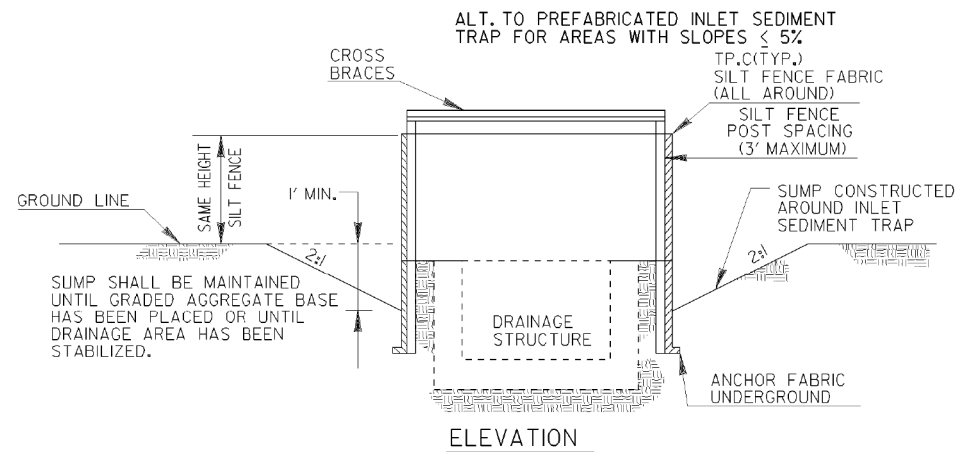


DOUBLE ROW SILT FENCE

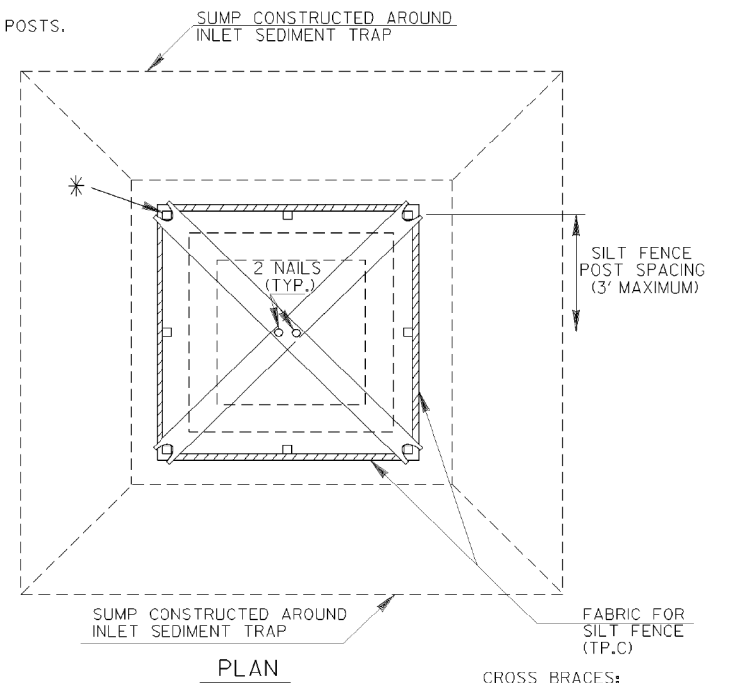
TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

- NOTE:
- IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
 - TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS.

TYPICAL LOCATION AROUND DROP INLETS



* CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.

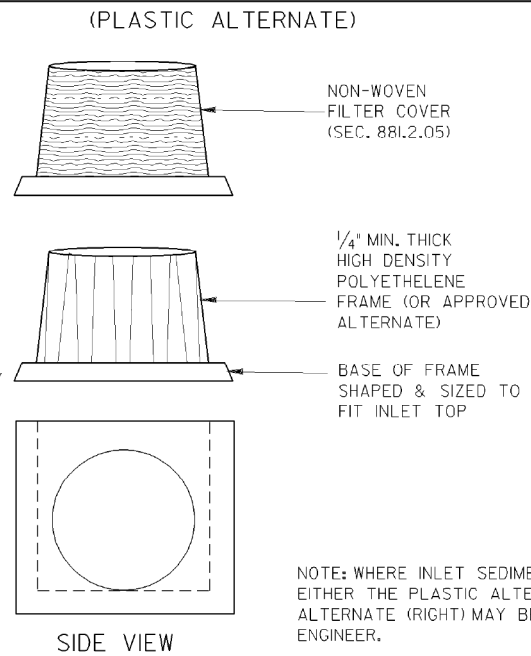


NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

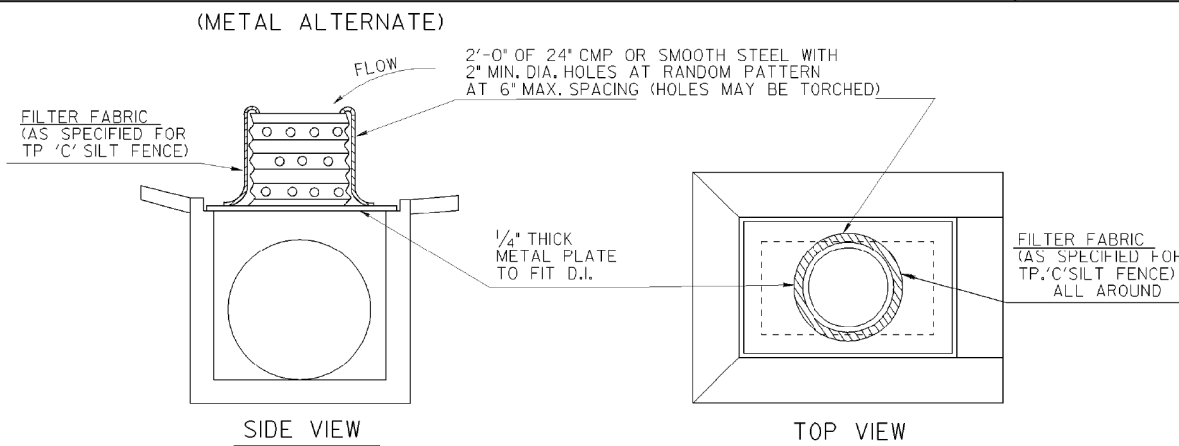
TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

- EXCAVATE APPROXIMATELY 4' TO 6' BELOW THE TOP OF THE INLET STRUCTURE.
- PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
- SLIDE THE FILTER OVER THE FRAME.
- FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
- BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.



INLET SEDIMENT TRAP - FOR DROP INLETS



NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

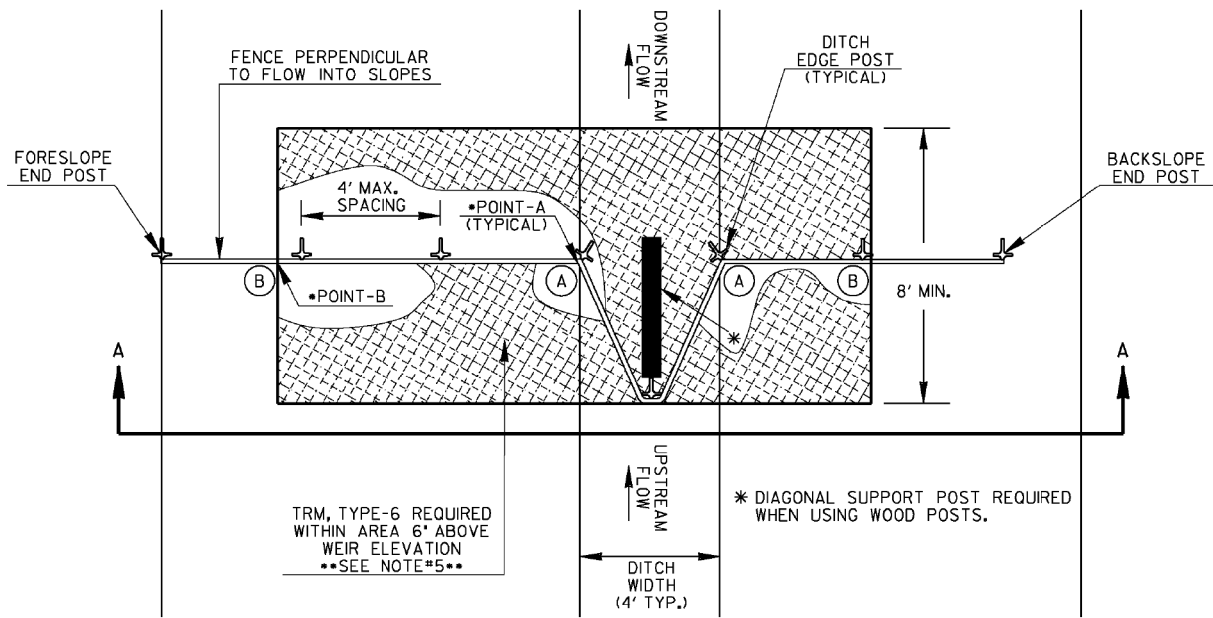
		DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION		CONSTRUCTION DETAILS TEMPORARY SILT FENCE J-HOOK, INLET SEDIMENT TRAPS	
		BY		NO SCALE JANUARY 2011	
				56-0004 NUMBER D-24C (SHEET 3 OF 4)	

NOTES:

- FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.
- FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
- FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 15-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.
- THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:
 - DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.
 - CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.
 - LAYOUT TURF REINFORCEMENT MATTING (TRM), TYPE-6 TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSTREAM OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL NECESSARY TRM SHALL BE OVERLAPPED 3-FT. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.
 - INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.
 - PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.
 - INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSTREAM TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED. HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.
- TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

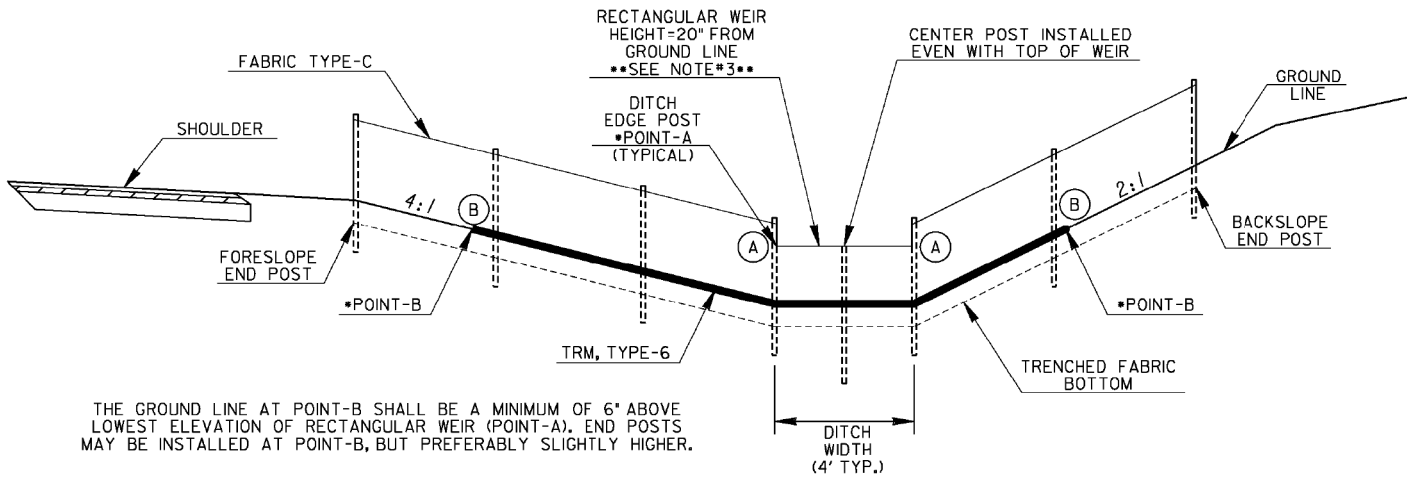
PAY ITEMS:

- 163-0528 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)



PLAN VIEW

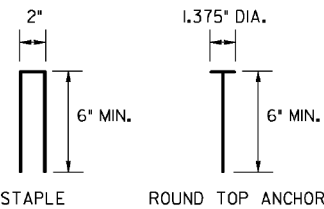
GRADE OF DITCH	MINIMUM SPACING (FEET)
LESS THAN 1%	100' ±
1% TO 3%	75' ±
3% TO 6%	50' ±
6% TO 8%	25' ±



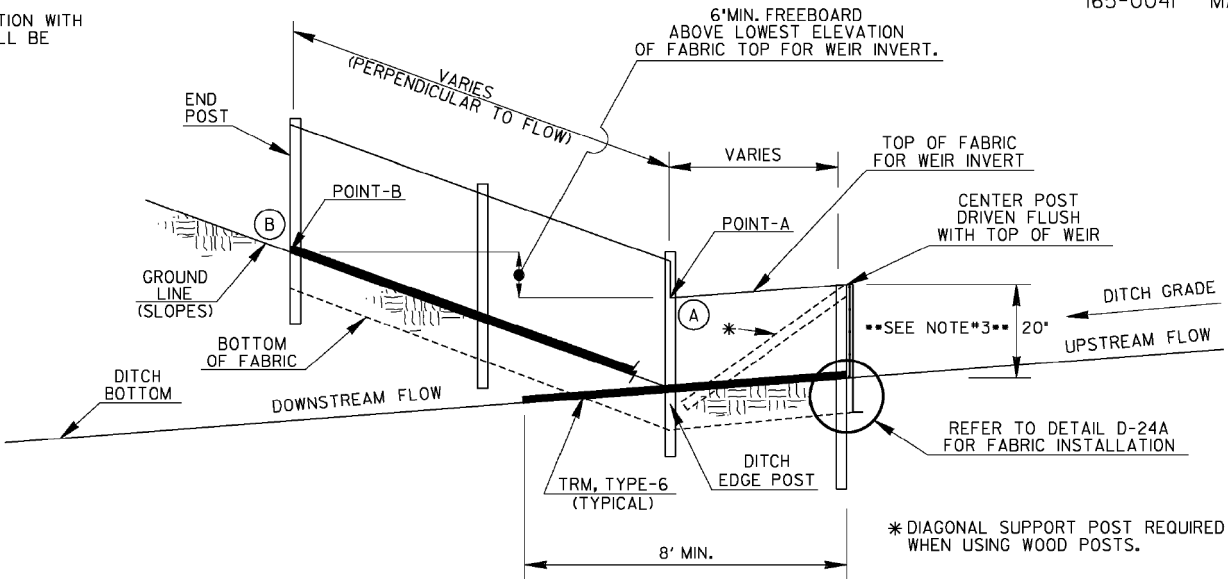
SECTION A-A

NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4-FT FLAT BOTTOM DITCH. ACTUAL FABRIC CHECK DAMS SHALL BE INSTALLED SIMILARLY ACCORDING TO ROADWAY CROSS-SECTIONS.

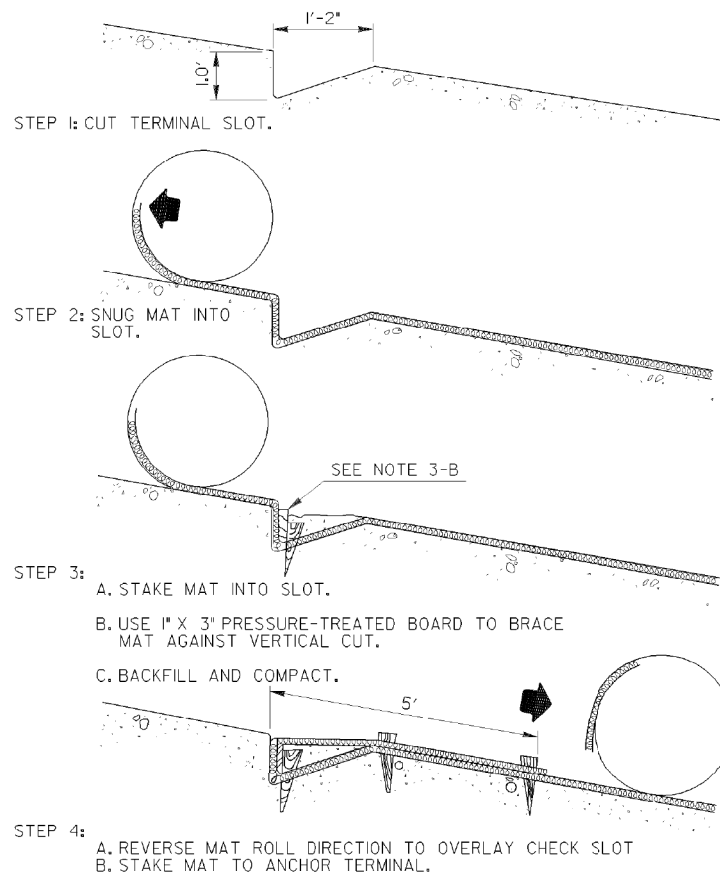
TURF REINFORCEMENT MATTING ANCHOR



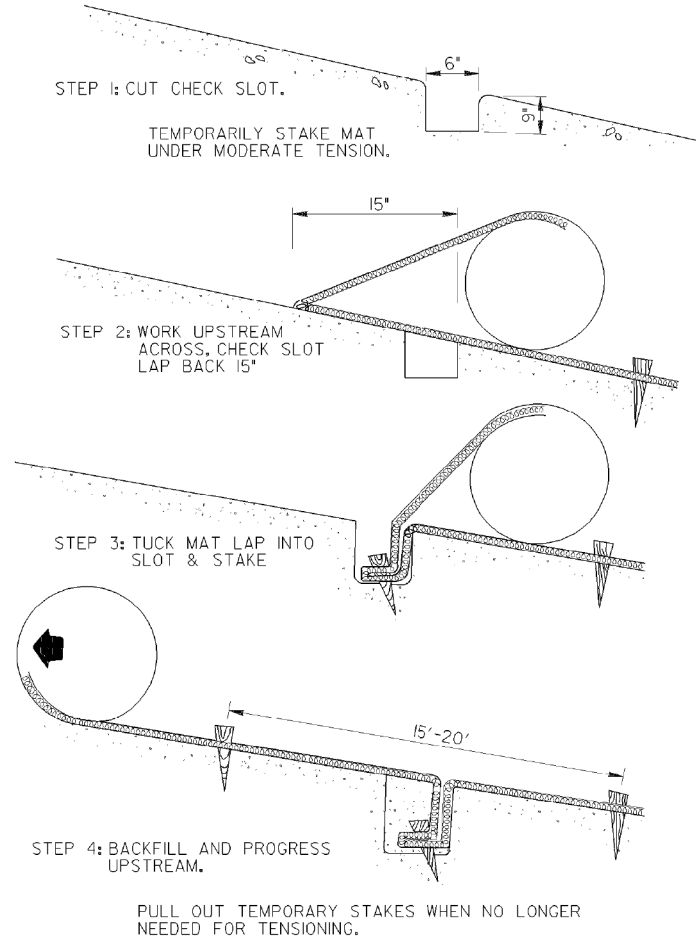
NOTE: TURF REINFORCEMENT MATTING SHALL BE ANCHORED WITH 8-GAUGE METAL STAPLES OR ROUND TOP ANCHORS. ANCHORS SHALL BE LONG ENOUGH TO PROVIDE SUFFICIENT GROUND PENETRATION TO RESIST PULL OUT.



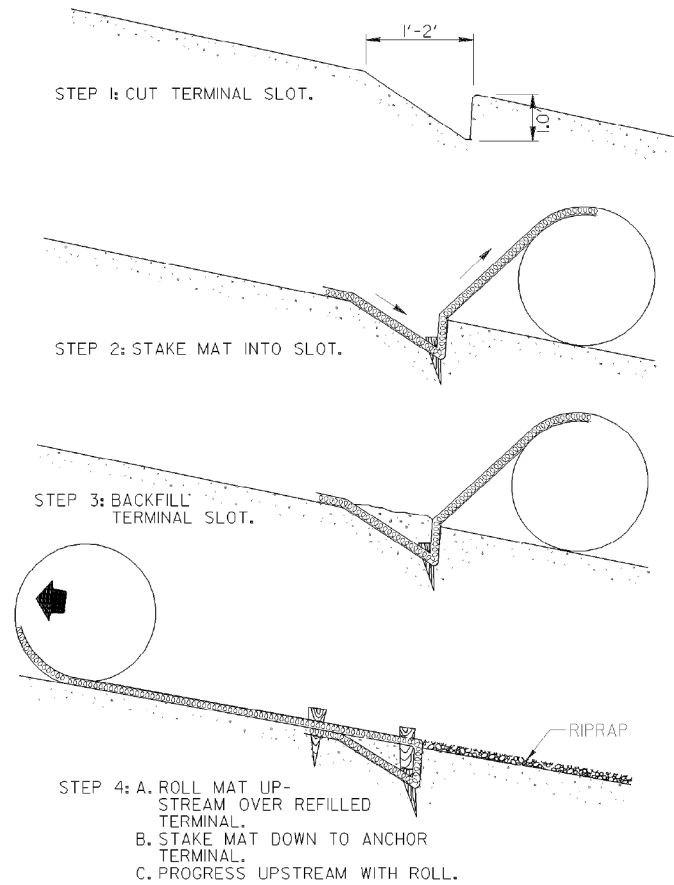
DATE	DEPARTMENT OF TRANSPORTATION	
	STATE OF GEORGIA	
REVISION	CONSTRUCTION DETAILS	
	TEMPORARY SILT FENCE	
BY	FABRIC CHECK DAM	
	NO SCALE REV. AND REDRAWN, JULY 2015	
56-0005		NUMBER D-24D (SHEET 4 OF 4)



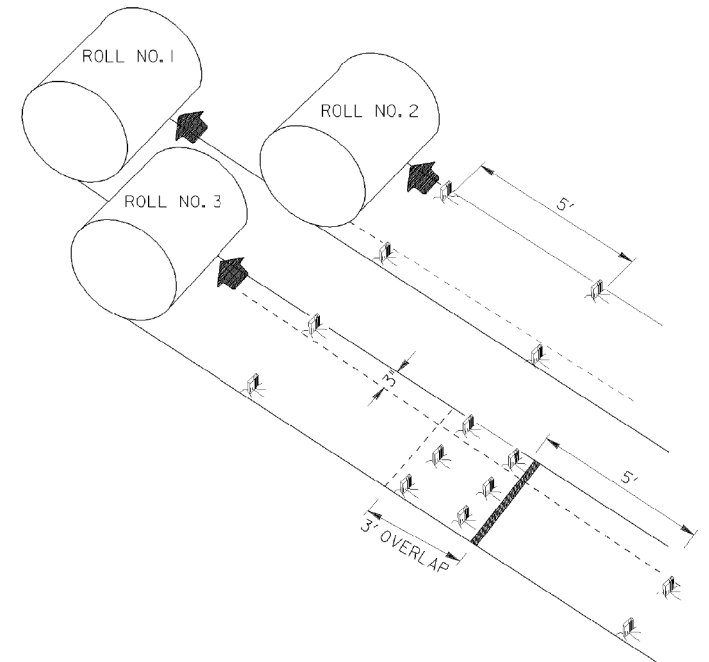
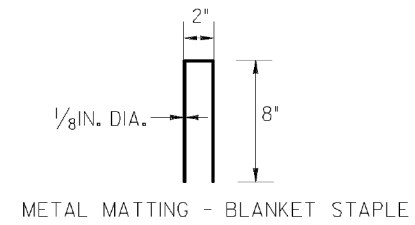
UPSTREAM TERMINAL



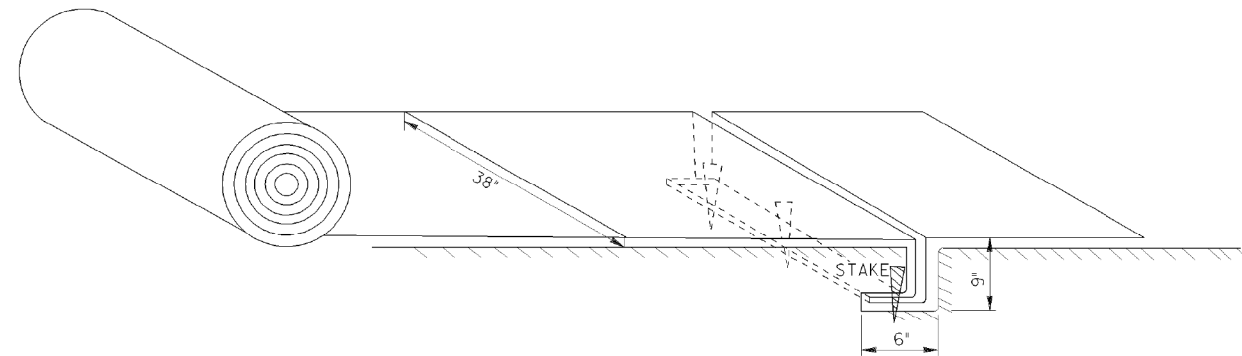
TRANSVERSE CHECK SLOT



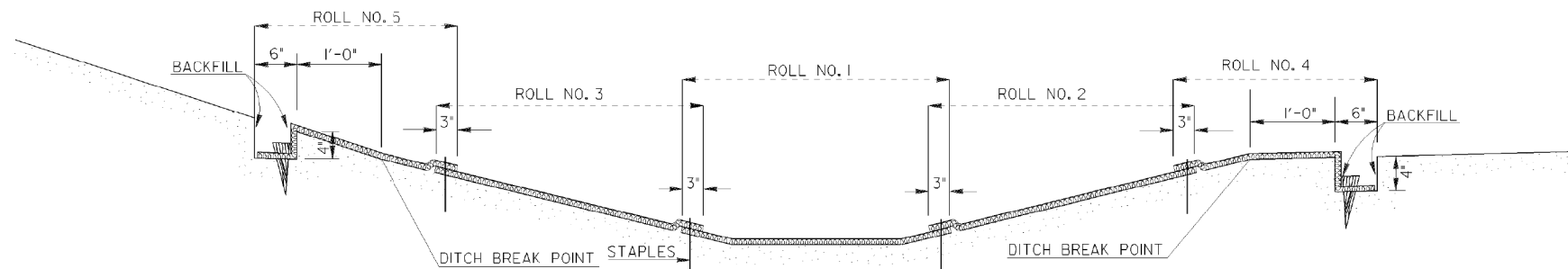
DOWNSTREAM TERMINAL



SEQUENTIAL ROLL RUN OUT IN CHANNELS



PICTORAL VIEW OF TRANSVERSE SLOT



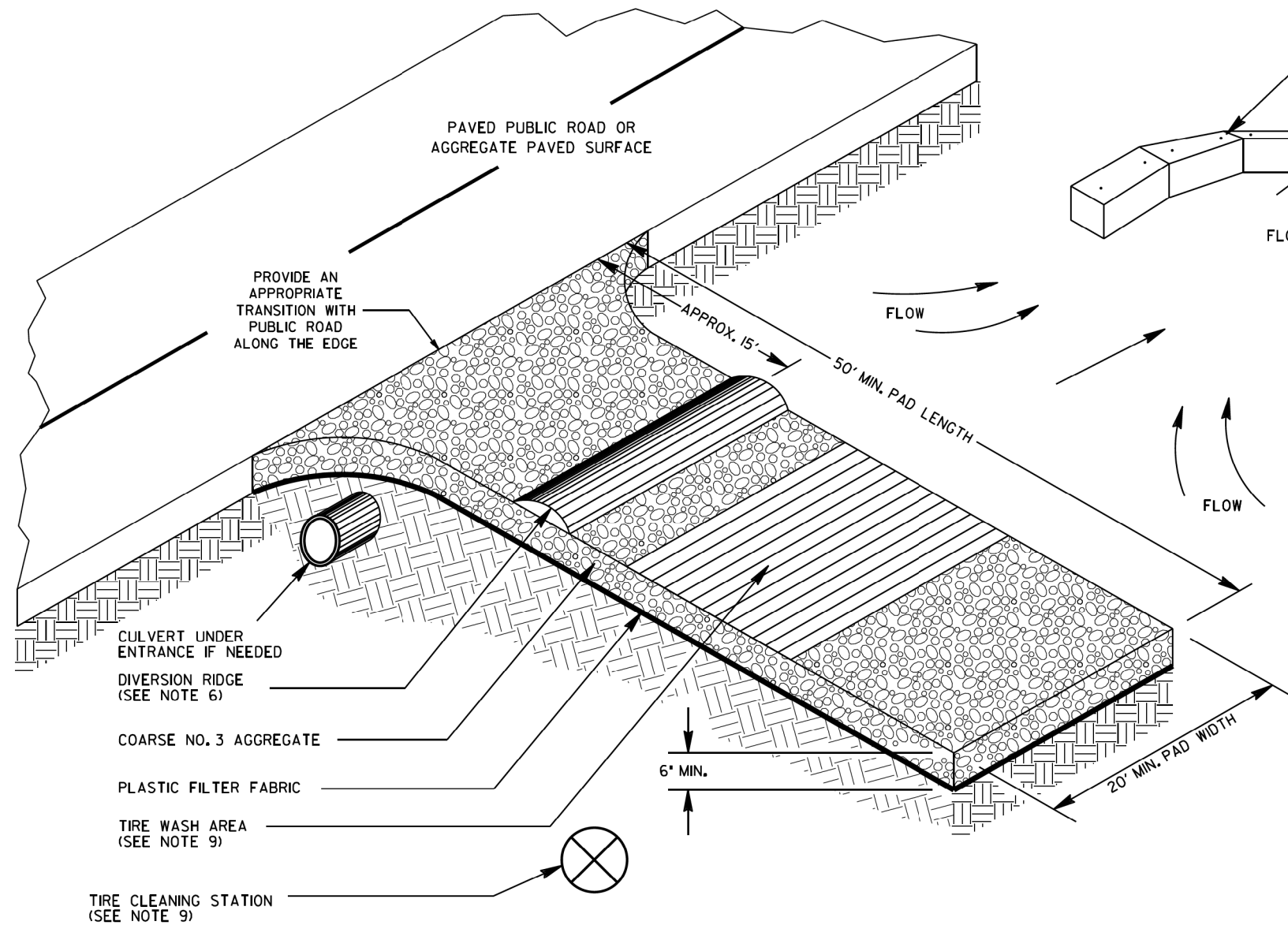
DITCH SECTION

NOTE: MAT TO BE PLACED ONE FEET ABOVE DITCH BREAK POINT OR ONE FOOT ABOVE THE 25 YEAR STORM.

GENERAL NOTES

1. INSTALLATION TO BE DONE AS PER MANUFACTURER'S RECOMMENDATIONS.
2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
5. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
6. USE 3' OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
7. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
8. METAL STAPLES MAY BE USED IN LIEU OF WOODEN STAKES.

						DEPARTMENT OF TRANSPORTATION					
						STATE OF GEORGIA					
						CONSTRUCTION DETAILS					
						PERMANENT SOIL REINFORCING MAT					
						(TURF REINFORCING MATS)					
						INSTALLATION ON DITCHES					
						NO SCALE					AUGUST 1988



TIRE WASH AREA
SEDIMENT TRAP
(SEE NOTE 8)

FLOW

FLOW

FLOW

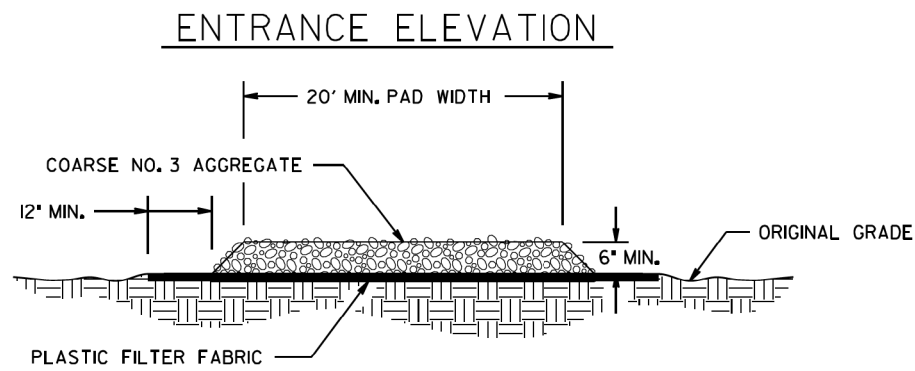
GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1/16 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER, THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES: WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.

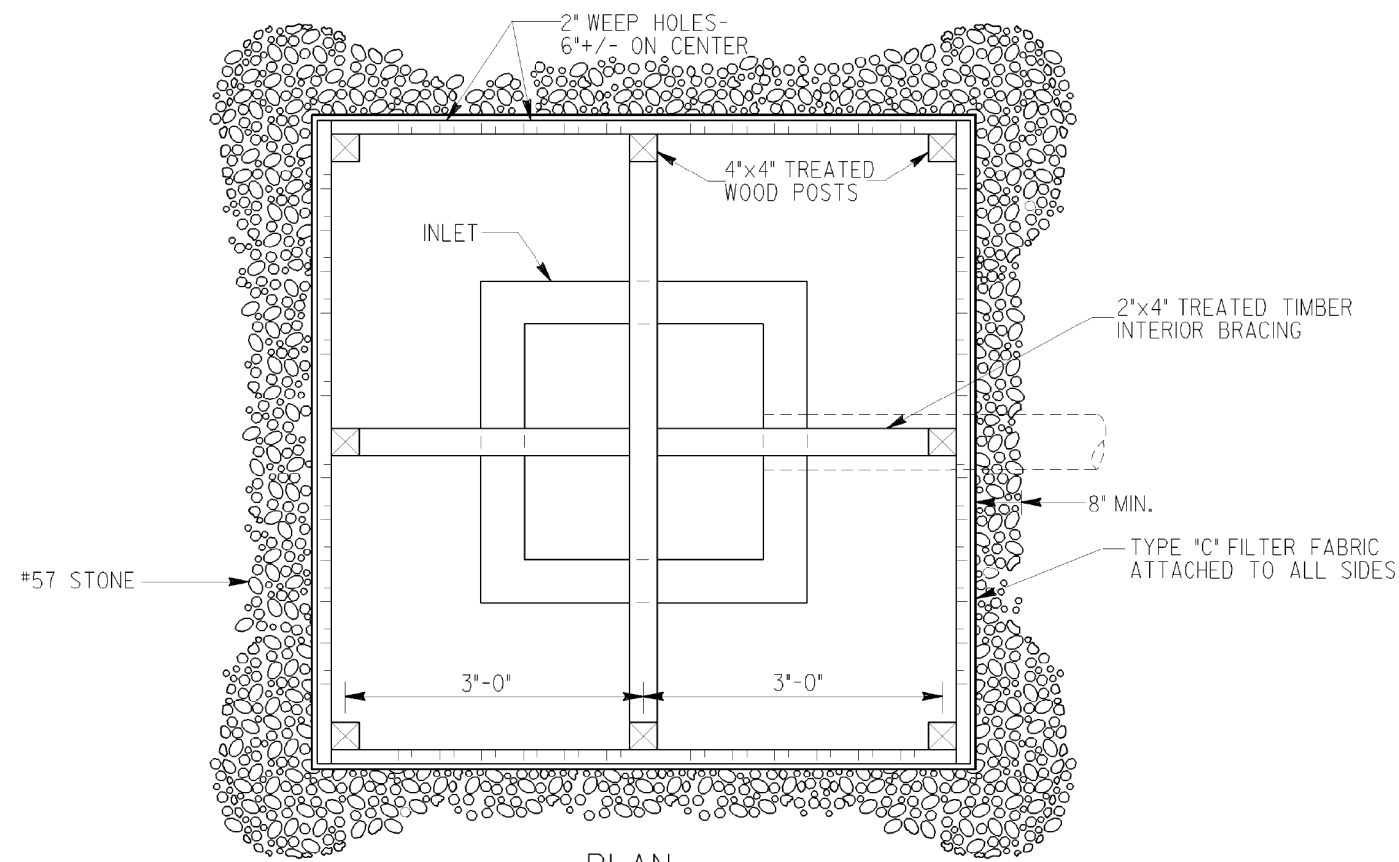
THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
10. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
11. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT MAY BE PAID WITH OR WITHOUT THE MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA. WHEN DIRECTED BY THE ENGINEER, ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

SEE SECTION 163 FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE SECTION 165 FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

PAY ITEM:			
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	(EA)	
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)	
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	(EA)	
PAY ITEM: FOR FIELD USE ONLY ACCORDING TO SECTION 163			
163-0310	CONSTRUCTION EXIT TIRE CLEANING STATION	(DAY)	



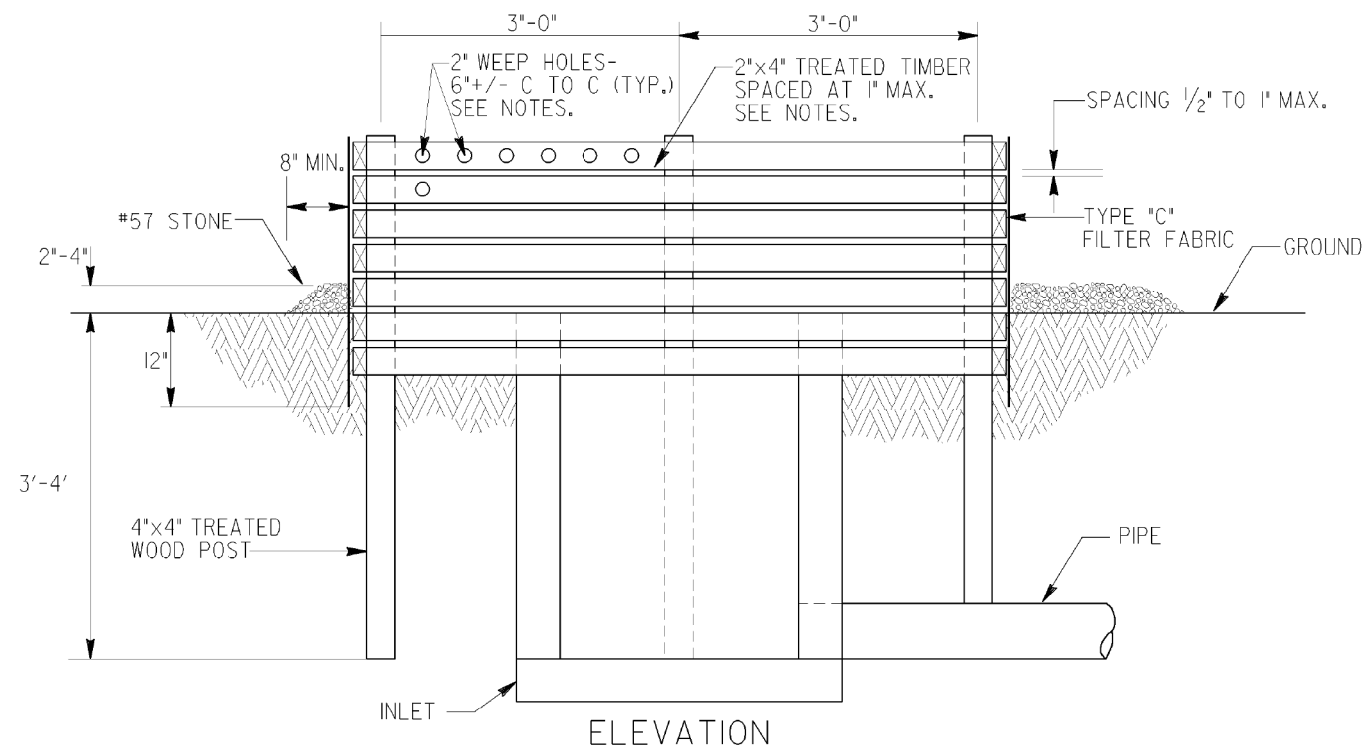
REV. GEN. NOTES	8-11	11-04-20	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REV. PAY ITEM	DESCS/REFS	04-18-18	CONSTRUCTION DETAILS	
REV. TIRE WASH & NOTES	04-22-16	04-22-16	CONSTRUCTION EXIT	
REV. GSICC 2016 MANUAL	01-19-11	01-19-11	NO SCALE	
REV. CONSTR. EXIT LABELS	DATE		FEBRUARY 2001	
HAC	DLE	TPC	BY	DESIGNED DRAWN TRACED CHECKED
			56-0007	NUMBER D-41



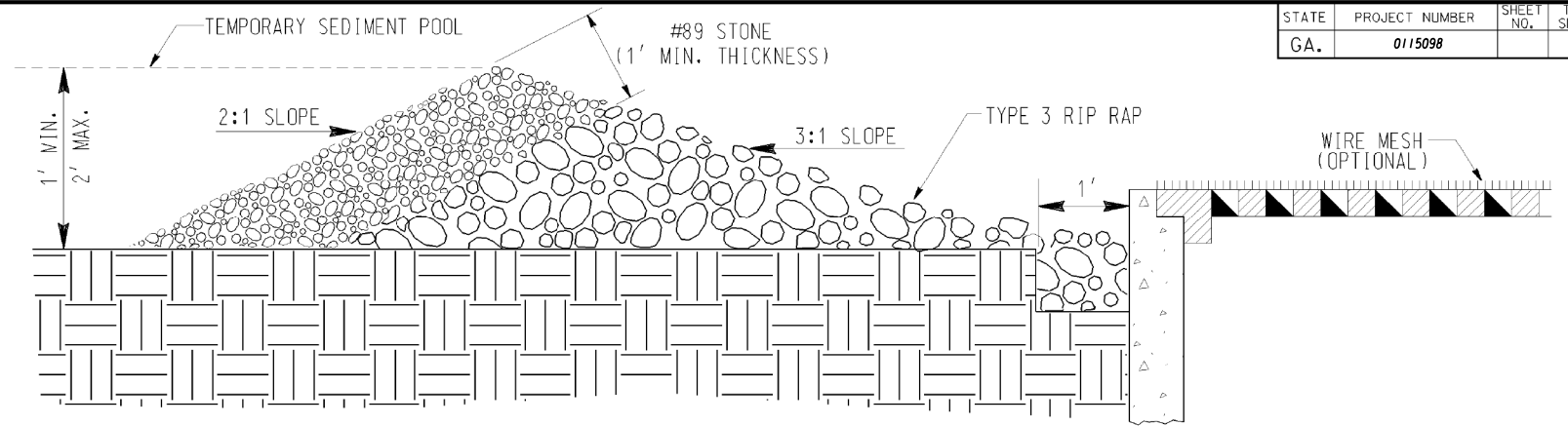
NOTES:

BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.

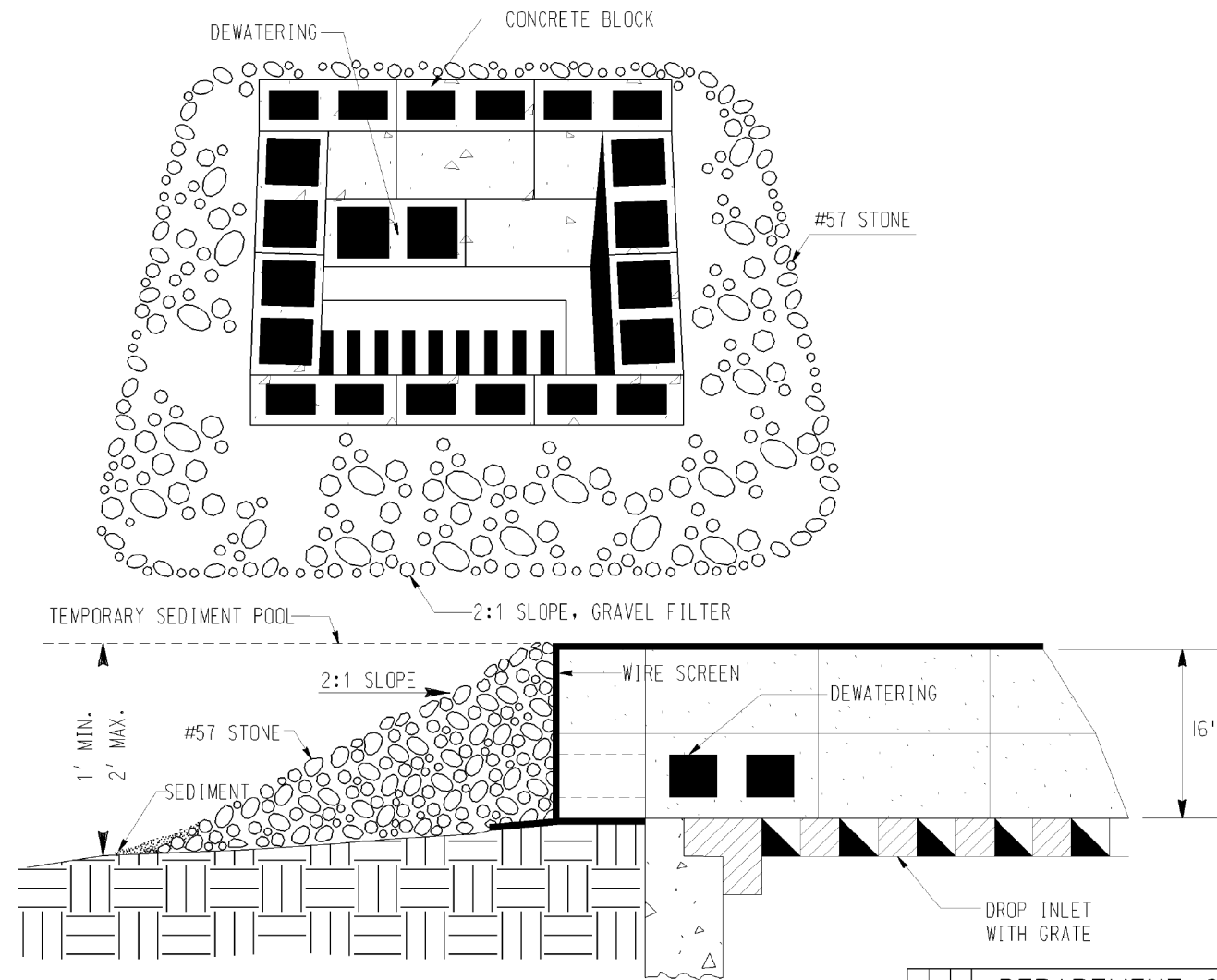
GRAVEL SHALL BE PLACED OUTSIDE THE BOX, ALL AROUND THE INLET, TO A DEPTH OF 2 TO 4 INCHES. THE ENTIRE BOX SHALL BE WRAPPED IN TYPE "C" FILTER FABRIC THAT SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED.



BAFFLE BOX (Sd2-B)



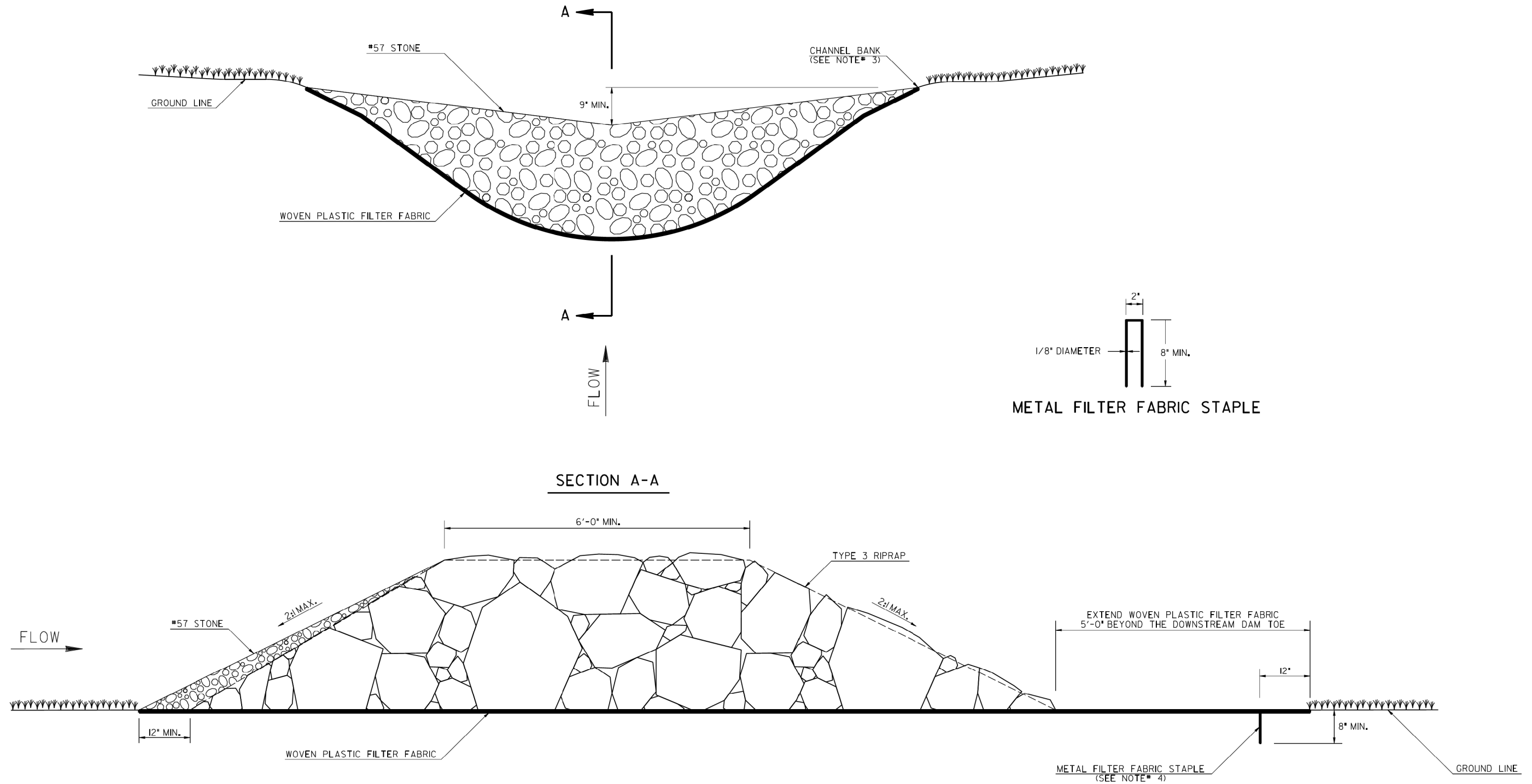
GRAVEL DROP INLET PROTECTION
(GRAVEL DONUT) Sd2-G



BLOCK & GRAVEL DROP
INLET PROTECTION
(Sd2-Bg)

BASIS OF PAYMENT:
CONSTRUCT AND REMOVE INLET SEDIMENT TRAP _____ EACH

	DATE	DEPARTMENT OF TRANSPORTATION	
		STATE OF GEORGIA	
	REVISION	CONSTRUCTION DETAIL	
		INLET SEDIMENT TRAPS	
		BAFFLE BOX Sd2-B	
		BLOCK AND GRAVEL DROP INLET PROTECTION Sd2-Bg	
		GRAVEL DROP INLET PROTECTION Sd2-G	
		NO SCALE	MAY 2008
	BY	56-0008	NUMBER
			D-42



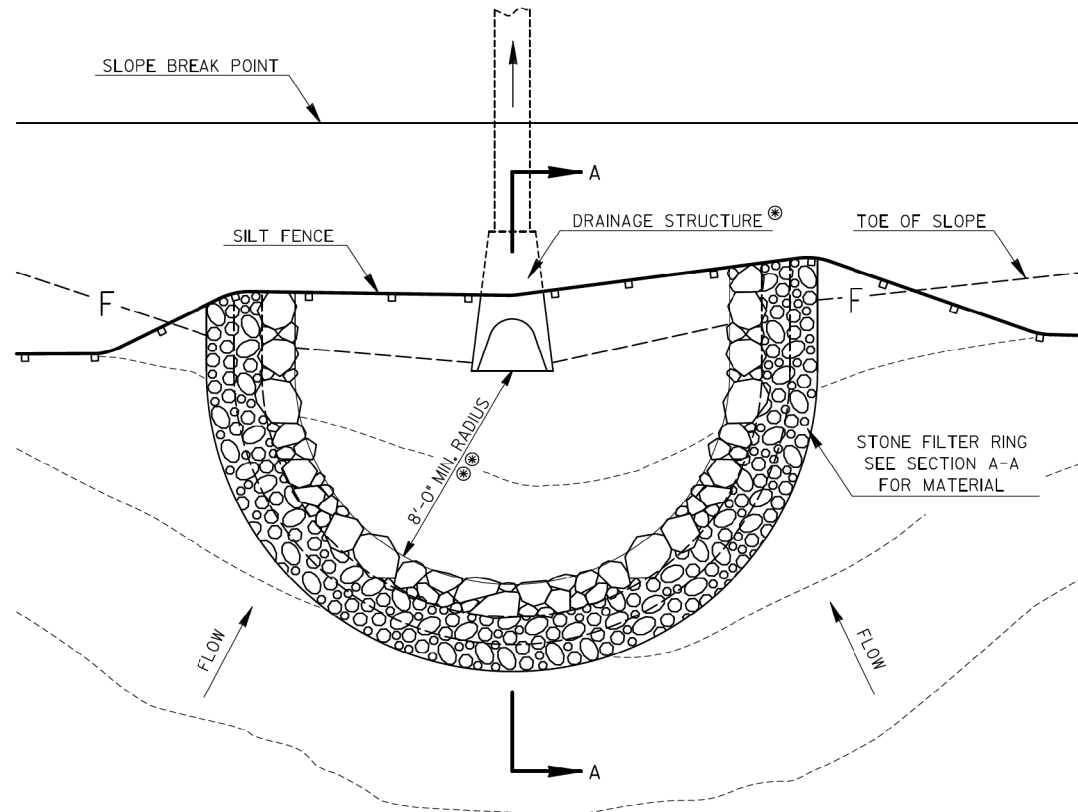
GENERAL NOTES:

1. THE MAXIMUM DRAINAGE AREA TO A ROCK FILTER DAM SHALL BE 50-ACRES.
2. ROCK FILTER DAMS SHALL NOT BE INSTALLED IN STATE WATERS.
3. THE ROCK FILTER DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS OR ADVERSELY IMPACT UPSTREAM PROPERTY OR STATE WATERS WITH BACKWATER. THE CENTER OF THE ROCK FILTER DAM SHOULD BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE ROCK FILTER DAM AT THE CHANNEL BANKS.
4. ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12-INCHES FROM THE EDGE AND NO GREATER THAN 12-INCHES APART.
5. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE ROCK FILTER DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.

PAY ITEMS:
163-0541 CONSTRUCT AND REMOVE ROCK FILTER DAM (EA)
165-0110 MAINTENANCE OF ROCK FILTER DAM (EA)

	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		CONSTRUCTION DETAILS ROCK FILTER DAM	
	REVISION	NO SCALE	4-22-2016
BY		56-0009	NUMBER D-43

ROADWAY DRAINAGE STRUCTURE INLET



PLAN VIEW

⊗ A FLARED END ROADWAY DRAINAGE STRUCTURE IS SHOWN. HOWEVER, OTHER ROADWAY DRAINAGE STRUCTURES OR A DETENTION POND'S OUTLET STRUCTURE MAY APPLY. AN APPROPRIATE RETROFIT BMP IS PREFERRED IN CONJUNCTION WITH THE STONE FILTER RING. SEE GENERAL NOTE 1 FOR ADDITIONAL INFORMATION.

⊗⊗ THE PREFERRED MINIMUM RADIUS OF THE STONE FILTER RING IS 8 FEET. THE RADIUS MAY BE REDUCED TO A MINIMUM OF 4 FEET FROM THE DRAINAGE STRUCTURE IF A RETROFIT BMP IS NOT PROVIDED. SEE GENERAL NOTE 1 FOR ADDITIONAL REQUIREMENTS.

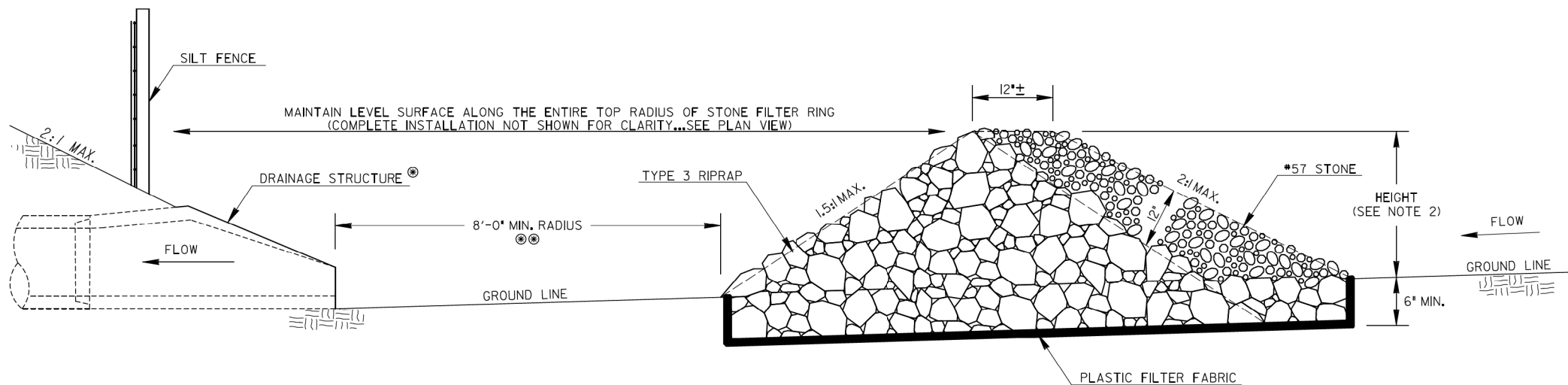
GENERAL NOTES:

1. A STONE FILTER RING MAY BE PLACED ON ROADWAY DRAINAGE STRUCTURE INLETS, SUCH AS FLARED END SECTIONS, TO STORE SEDIMENT IN LOW AREAS WITHIN THE PROJECT. IN CONJUNCTION WITH THE STONE FILTER RING, A RETROFIT BMP APPROPRIATE FOR ROADWAY DRAINAGE STRUCTURE INLETS IS PREFERRED. IF A RETROFIT BMP IS NOT PROVIDED, OTHER SEDIMENT CONTROL BMPs SHALL BE PROVIDED DOWNSTREAM OF THE STONE FILTER RING PRIOR TO LEAVING THE PROJECT AREA. THE STONE FILTER RING SHALL BE 8 FEET TO 10 FEET UPSTREAM OF THE RETROFIT BMP. THE STONE FILTER RING IS NOT INTENDED TO SUBSTANTIALLY IMPOUND WATER, ADVERSELY IMPACTING AREAS OUTSIDE OF THE PROJECT.

A STONE FILTER RING MAY ALSO BE USED IN CONJUNCTION WITH A RETROFIT BMP USED ON A DETENTION POND'S PERMANENT OUTLET STRUCTURE TO PROVIDE ADDITIONAL SEDIMENT FILTERING. THE STONE FILTER RING SHALL BE INSTALLED 8 FEET TO 10 FEET UPSTREAM OF THE POND'S RETROFIT BMP.

STONE FILTER RINGS ARE NOT RECOMMENDED WITHIN ROADWAY DRAINAGE DITCHES. STONE FILTER RINGS SHALL NOT BE PLACED WITHIN STATE WATERS.

2. THE HEIGHT OF THE STONE FILTER RING SHALL BE A MINIMUM OF 24 INCHES WITH A MAXIMUM HEIGHT OF 48 INCHES. MAINTAIN A LEVEL SURFACE ALONG THE ENTIRE TOP RADIUS OF THE STONE FILTER RING.
3. REFER TO THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) FOR THE LOCATION OF STONE FILTER RINGS. THE INSTALLATION OF SILT FENCE AND RETROFITS ARE INDEPENDENT OF THE STONE FILTER RING AND WILL BE PAID FOR SEPARATELY AS APPLICABLE TO THE ESPCP.
4. SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF STONE FILTER RINGS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF STONE FILTER RINGS.

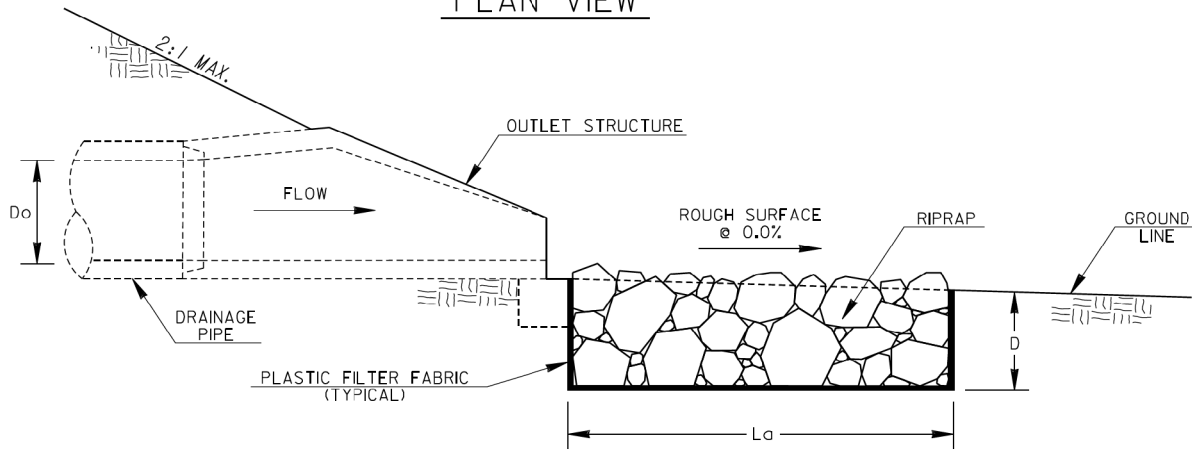
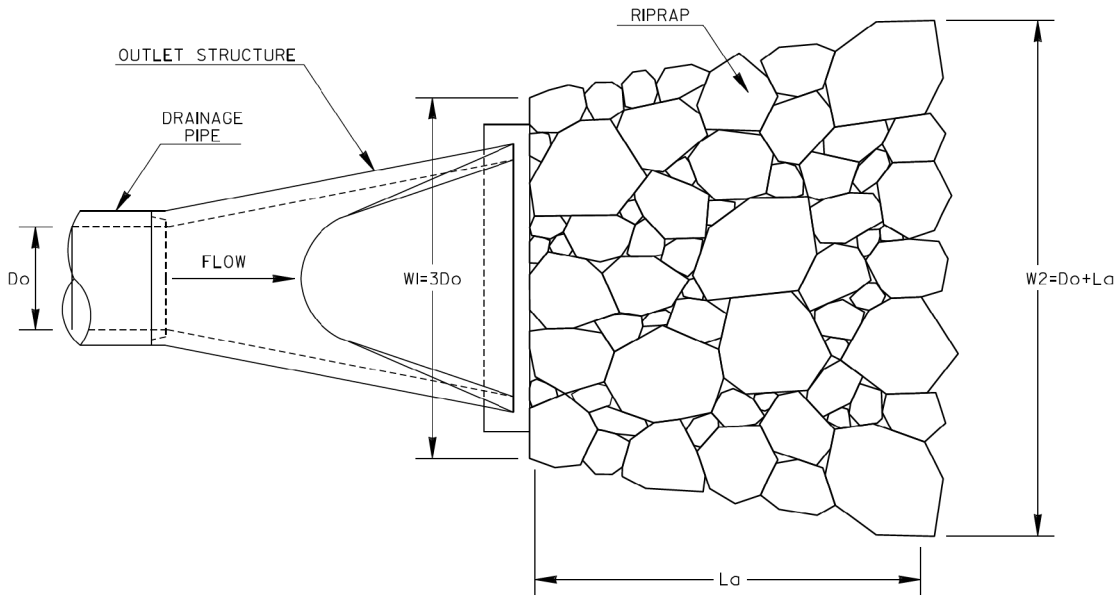


SECTION A-A

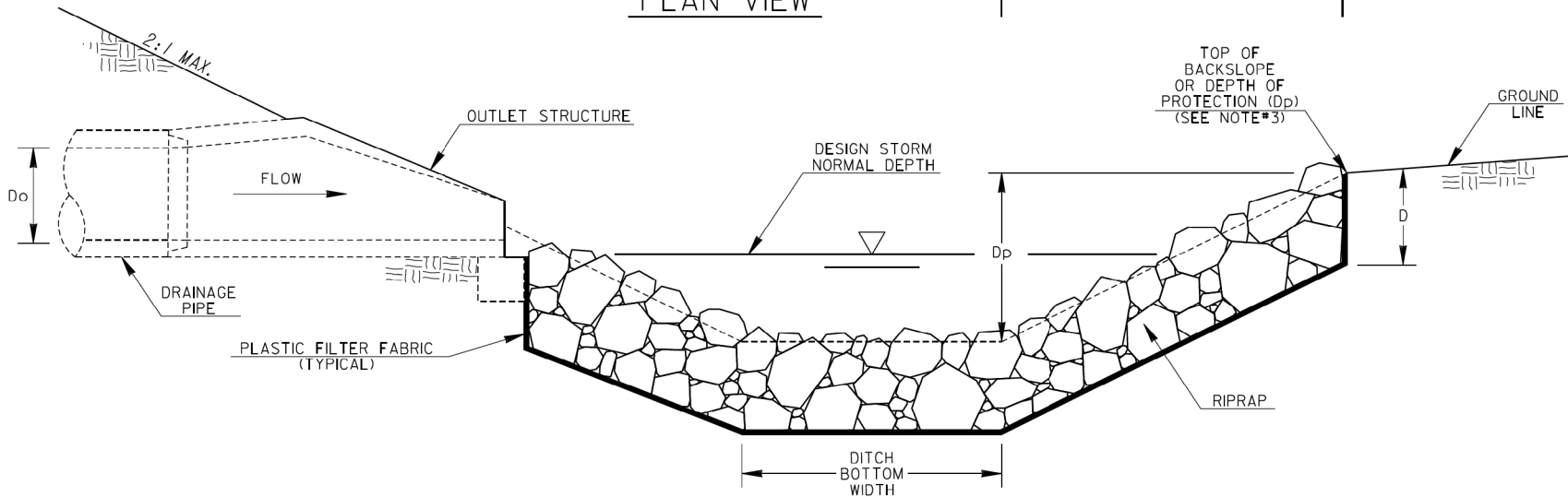
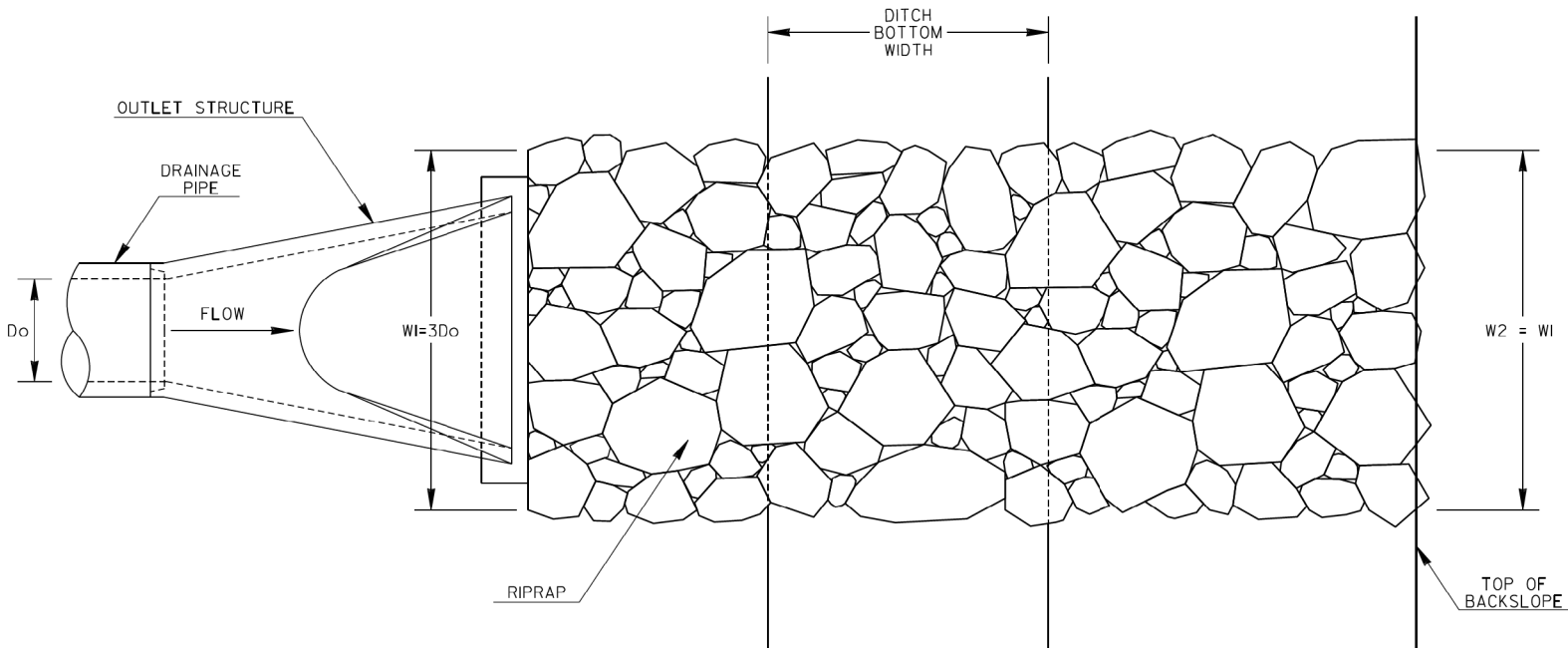
PAY ITEMS:
163-0542 CONSTRUCT & REMOVE STONE FILTER RING (EA)
165-0111 MAINTENANCE OF STONE FILTER RING (EA)

		DATE	DEPARTMENT OF TRANSPORTATION	
			STATE OF GEORGIA	
		REVISION	CONSTRUCTION DETAIL	
			STONE FILTER RING	
			NO SCALE	JULY 2018
	BY	DESIGNED <u> DLE </u> DRAWN <u> DLE </u> CHECKED <u> </u> REVISED <u> </u>	56-0010	NUMBER D-46

OUTLET TO FLAT AREA



OUTLET PERPENDICULAR TO WELL-DEFINED CHANNEL



GENERAL NOTES:

- RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD I120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.
- RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (W1), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

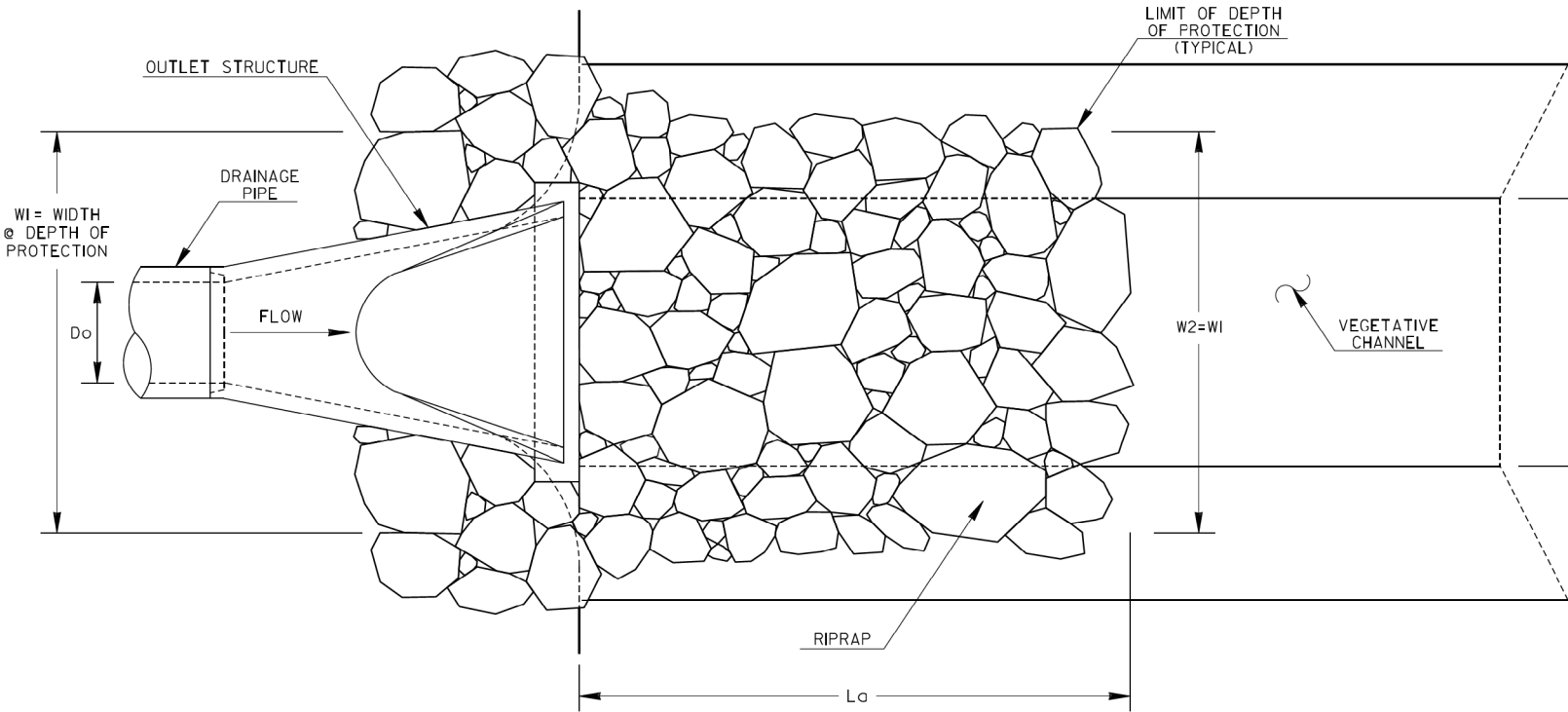
THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.
- THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PERPENDICULAR INTO A WELL-DEFINED CHANNEL. THE LENGTH SHALL EXTEND ACROSS THE CHANNEL AND UP TO THE TOP OF THE CHANNEL BACKSLOPE OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE APRON DOES NOT EXTEND TO THE TOP OF THE BACKSLOPE.
- IF THE OUTLET HYDRAULICS REQUIRE A d50<0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d50<1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d50>1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.
- PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.
- PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

Do = PIPE DIAMETER
Q = DESIGN STORM FLOW RATE
V = DESIGN STORM VELOCITY
Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
La = APRON LENGTH
W1 = APRON WIDTH UPSTREAM
W2 = APRON WIDTH DOWNSTREAM
d50 = AVERAGE STONE DIAMETER
D = INSTALLATION DEPTH
Dp = DEPTH OF PROTECTION

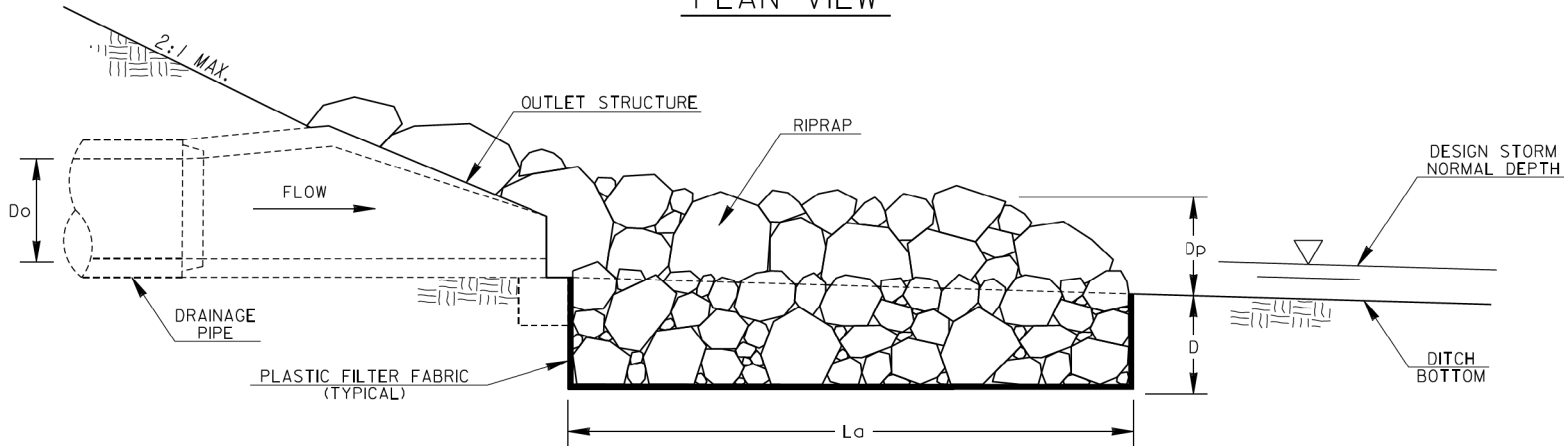
RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

				DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
				CONSTRUCTION DETAILS			
				RIPRAP OUTLET PROTECTION (SHEET 1 OF 2)			
				NO SCALE		4-22-2016	
				DESIGNED <u>DLE</u>	56-0011	NUMBER D-55A	
				DRAWN <u>DLE</u>			
				CHECKED <u> </u>			

OUTLET PARALLEL TO WELL-DEFINED CHANNEL



PLAN VIEW



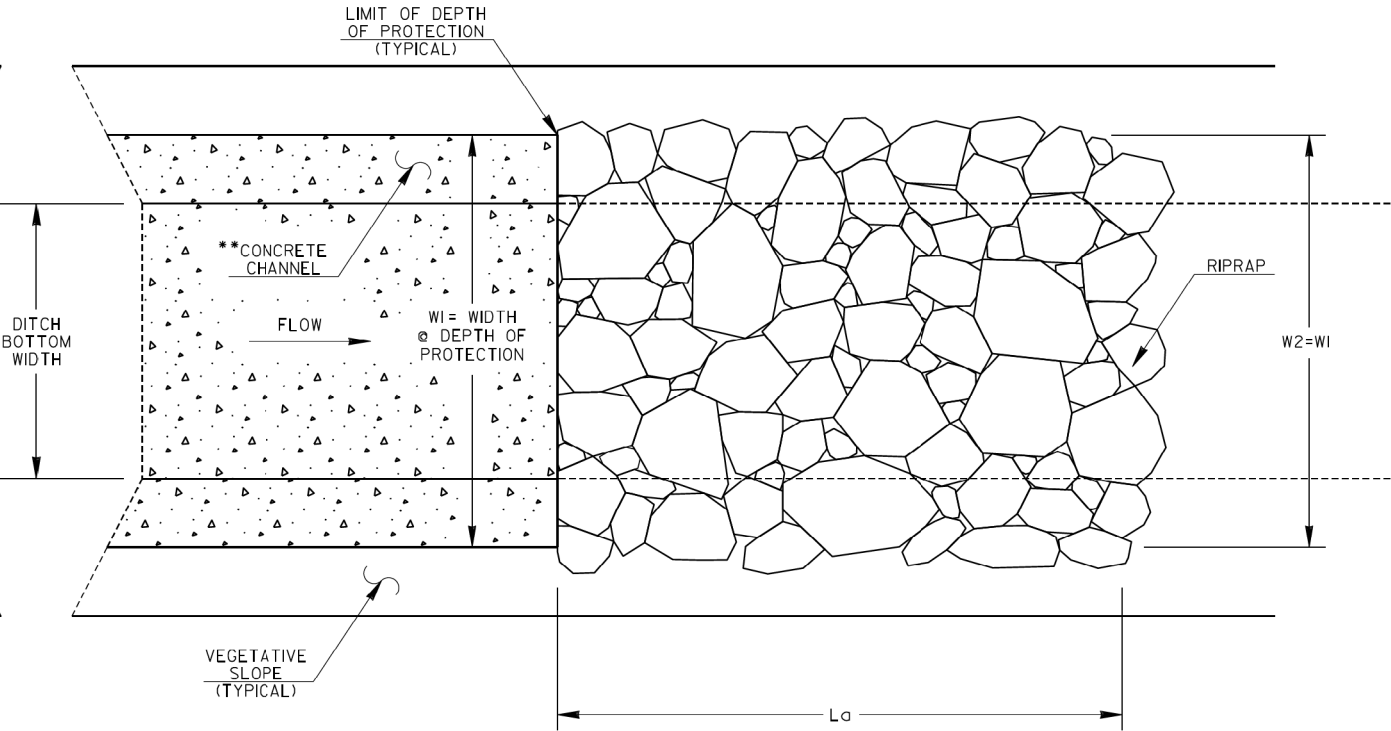
PROFILE VIEW

GENERAL NOTES:

- RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD #20, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES. RIPRAP OUTLET PROTECTION IS SHOWN FOR A CONCRETE DITCH, BUT IS INSTALLED SIMILARLY TO TRANSITION FROM OTHER CHANNEL LININGS.
- RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (Do), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (Tw), APRON LENGTH (La), APRON WIDTH AT DRAINAGE STRUCTURE (W1), APRON WIDTH DOWNSTREAM (W2), AVERAGE STONE DIAMETER (d50), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

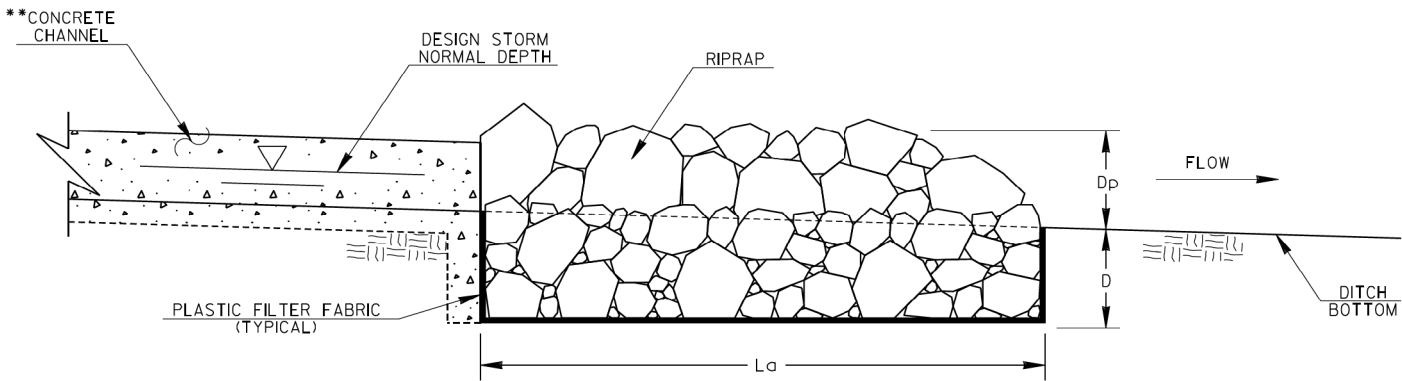
THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.
- THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PARALLEL INTO A WELL-DEFINED CHANNEL. THE APRON WIDTHS IN THIS CASE SHALL REPRESENT THE WIDTH AT THE DEPTH OF PROTECTION. THE RIPRAP SHALL BE INSTALLED TO THE TOP OF CHANNEL OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (Dp) IF THE RIPRAP SHOULD NOT BE INSTALLED TO THE TOP OF THE CHANNEL. RIPRAP SHOULD ALSO BE INSTALLED TO ARMOR CHANNEL CORNER AT THE OUTLET STRUCTURE.
- IF THE OUTLET HYDRAULICS REQUIRE A d50<0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d50<1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d50>1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.
- PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.
- PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

CONCRETE CHANNEL TO RIPRAP TRANSITION



PLAN VIEW

**REFER TO CONSTRUCTION DETAIL D-10 FOR CONCRETE DITCH PAVING INFORMATION



PROFILE VIEW

Do = PIPE DIAMETER
Q = DESIGN STORM FLOW RATE
V = DESIGN STORM VELOCITY
Tw = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
La = APRON LENGTH
W1 = APRON WIDTH UPSTREAM AT DEPTH OF PROTECTION
W2 = APRON WIDTH DOWNSTREAM AT DEPTH OF PROTECTION
d50 = AVERAGE STONE DIAMETER
D = INSTALLATION DEPTH
Dp = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
CONSTRUCTION DETAILS			
RIPRAP OUTLET PROTECTION (SHEET 2 OF 2)			
NO SCALE		4-22-2016	
BY	DESIGNED	DLE	56-0012
	DRAWN	DLE	
	TRACED		
	CHECKED		
			NUMBER D-55B

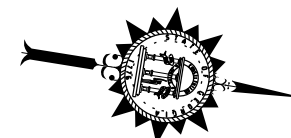


LOCATION SKETCH

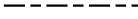
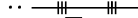
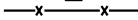
THIS PROJECT HAS BEEN PREPARED
USING THE HORIZONTAL GEORGIA
COORDINATE SYSTEM OF 1984 (NAD
1983)/94 WEST ZONE, AND THE NORTH
AMERICAN VERTICAL DATUM (NAVD)
OF 1988.

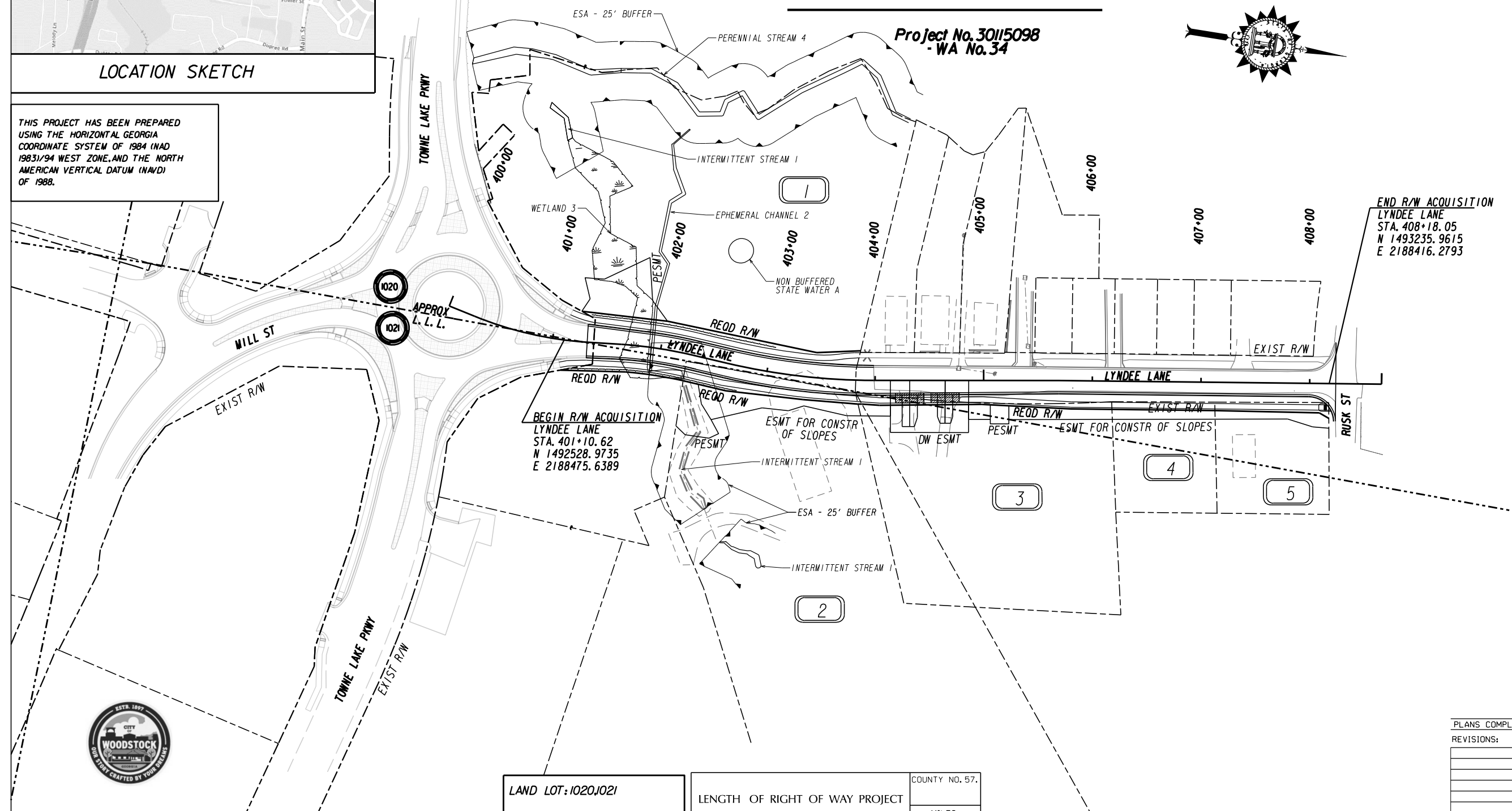
DEPARTMENT OF PUBLIC WORKS
CITY OF WOODSTOCK
*PLAN AND PROFILE OF PROPOSED
LYNDEE LANE EXTENSION*

Project No. 30115098
- WA No. 34



CONVENTIONAL SIGNS

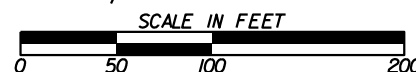
STATE OR COUNTY LINE	-----
CITY LIMIT LINE	-----
LAND LOT LINE	-----
PROPERTY LINE	-----
SURVEY OR BASE LINE	-----
RIGHT OF WAY LINE {	
EXISTING	
REQUIRED	
LIMIT OF ACCESS	-----
READ R/W & LIMIT OF ACCESS	
R/W MARKERS	
FENCE	
RAILROAD	
POWER LINE	
TELEPHONE LINE	
POWER/UTILITY POLES	
LIGHT POLES	



END R/W ACQUISITION
LYNDEE LANE
STA. 408+18.05
N 1493235.9615
E 2188416.2793

BEGIN R/W ACQUISITION
LYNDEE LANE
STA. 401+10.62
N 1492528.9735
E 2188475.6389

PROJECT NUMBER: 0115098
COUNTY: CHEROKEE COUNTY



LAND LOT: 1020, 1021

LAND DISTRICT: 15

LENGTH OF RIGHT OF WAY PROJECT	COUNTY NO. 57
	MILES
NET LENGTH OF RIGHT OF WAY	0.1340
NET LENGTH OF BRIDGES	0.0000
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF RIGHT OF WAY	.01340

THIS PROJECT IS LOCATED 100% IN CHEROKEE COUNTY
AND CONGRESSIONAL DISTRICT 11.

PREPARED BY:



PLANS COMPLETED DATE: FINAL ROW

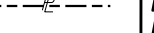
REVISIONS:

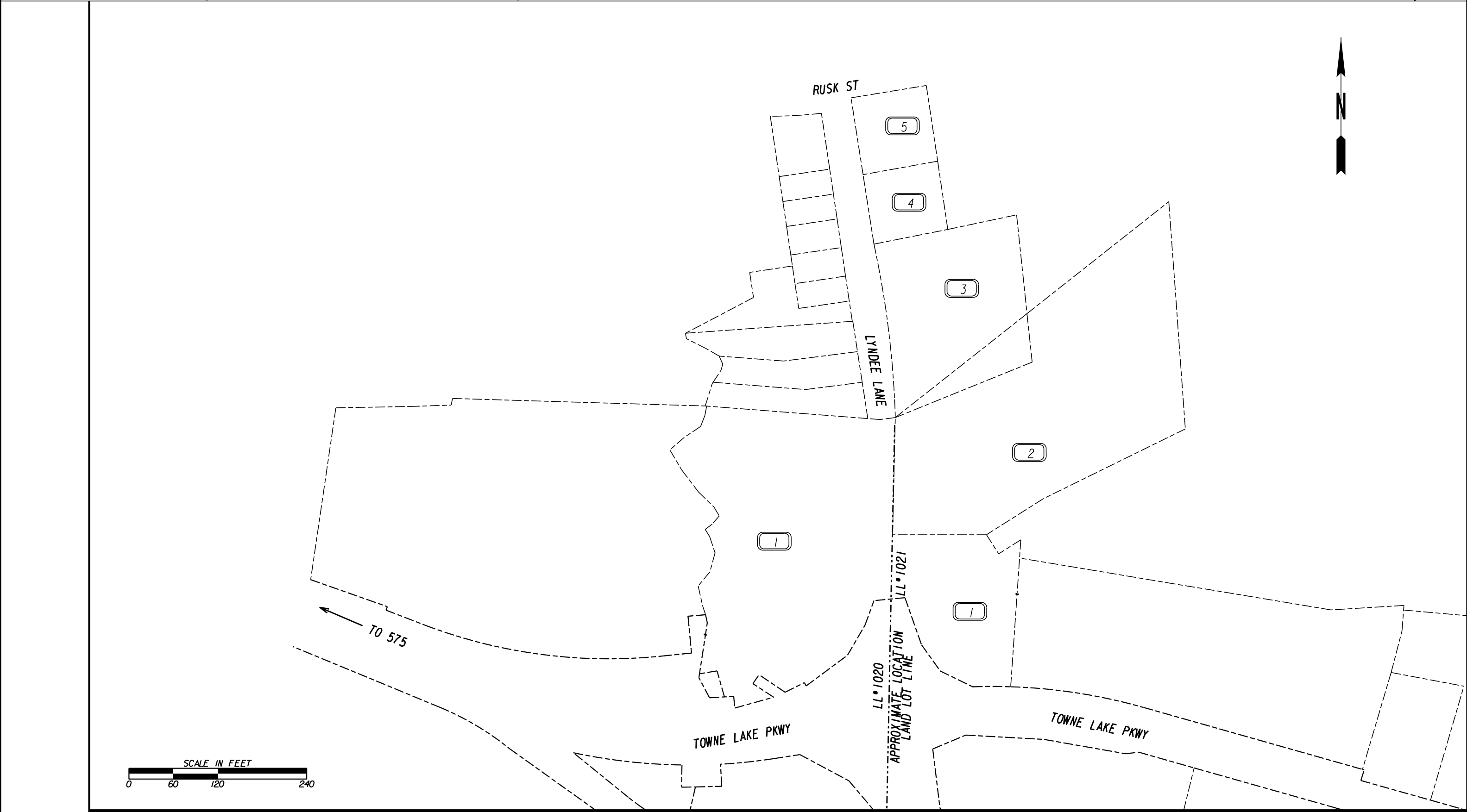
[illegible]

DRAWING No.

60-0001

[illegible]

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		DATE	REVISIONS	DATE	REVISIONS	REVISION SUMMARY		
		END LIMIT OF ACCESS.....ELA							RIGHT OF WAY MAP	
		LIMIT OF ACCESS							PROJECT NO: 0115098	
		REQ'D R/W & LIMIT OF ACCESS							COUNTY: CHEROKEE	
		ORANGE BARRIER FENCE							LAND LOT NO:	
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)								LAND DISTRICT: 15		
								GMD		
								DATE 9/15/20 SH 2 5		
								DRAWING No. 60-0002		



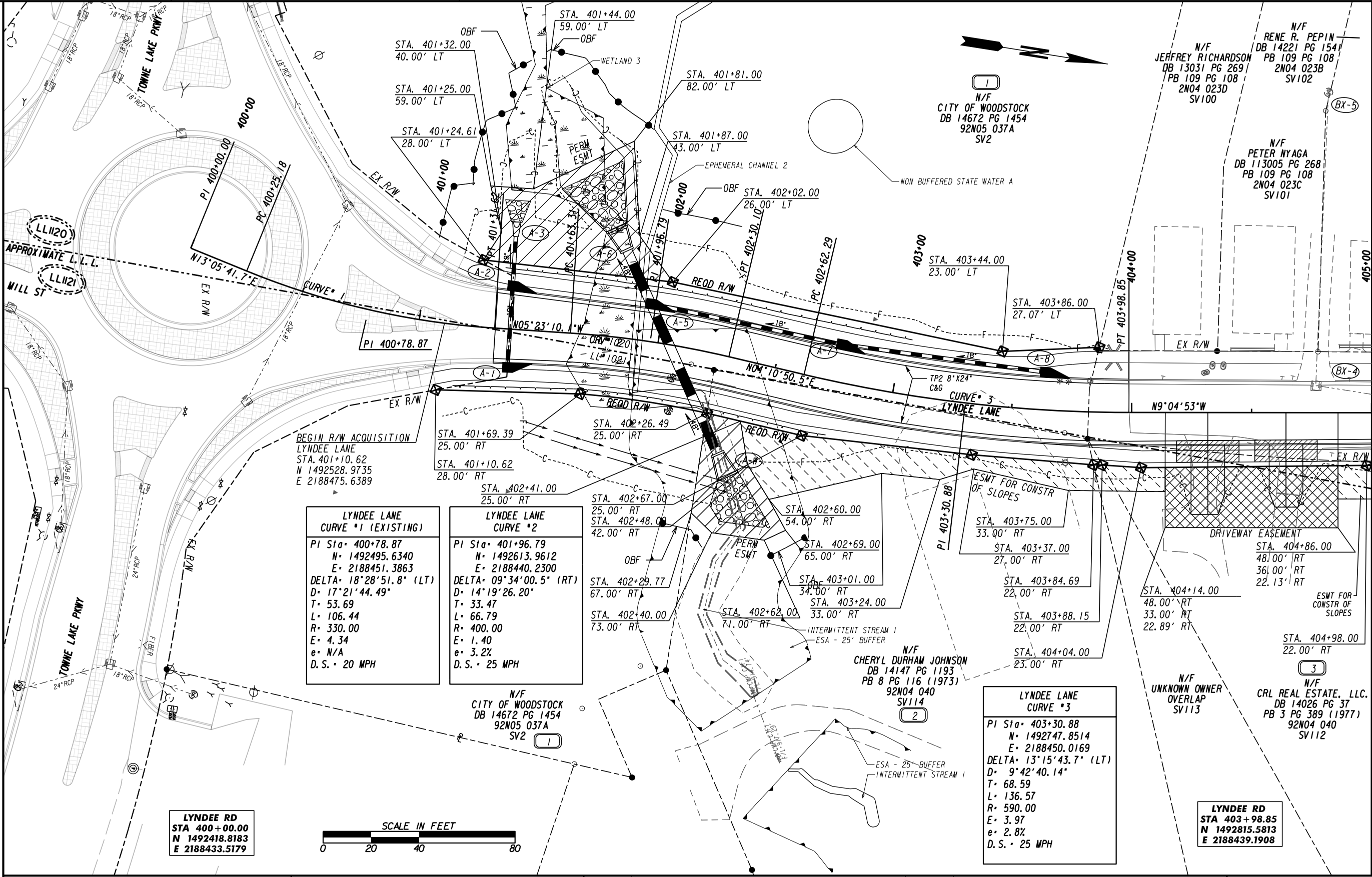
PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

DATE	REVISIONS	DATE	REVISIONS

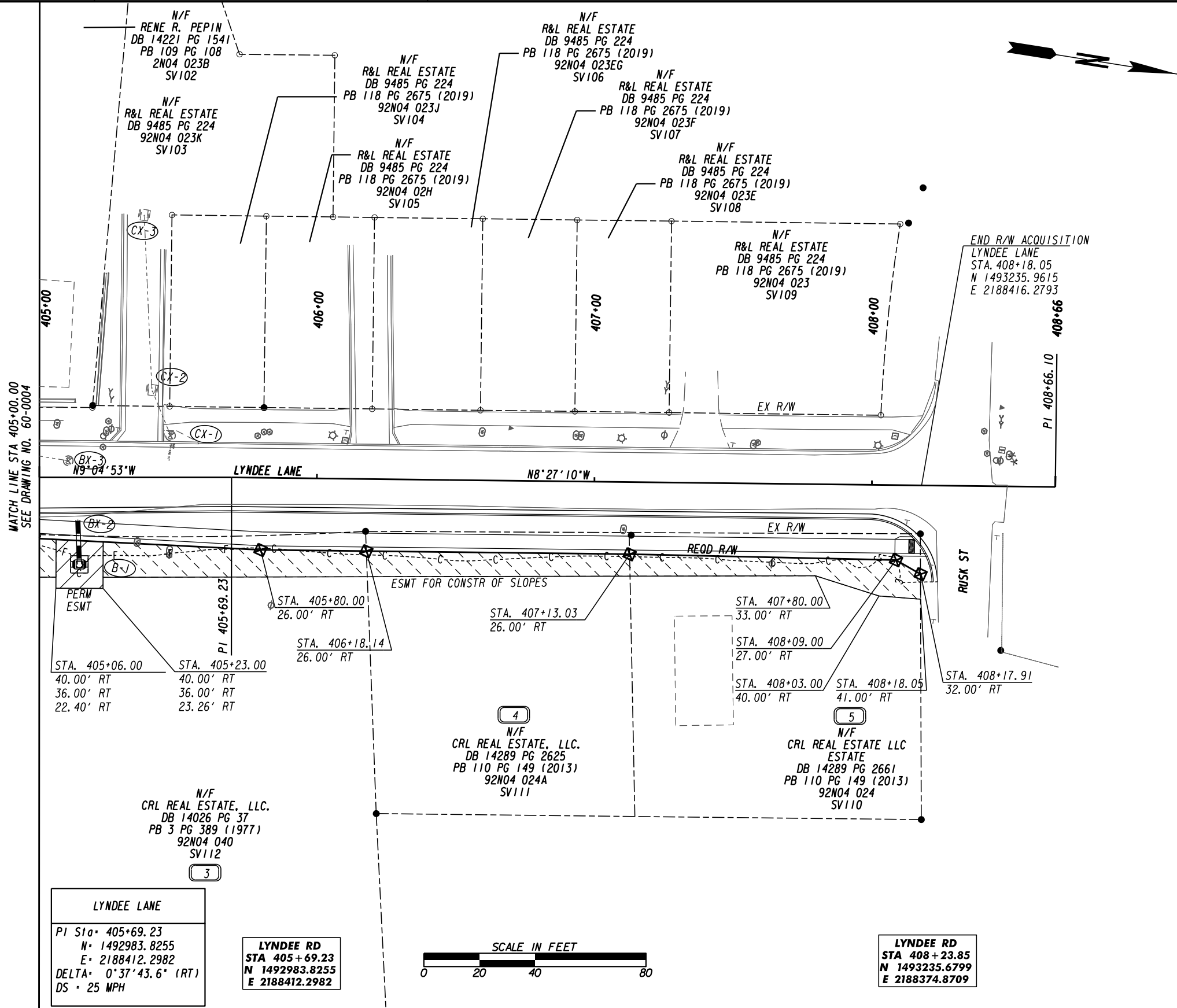
STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
PROJECT NO: 0115098
COUNTY: CHEROKEE
LAND LOT NO: 1020, 1021
LAND DISTRICT: 15
GMD
DATE 4/29/22 SH 3 OF 5

DRAWING No.
60-0003



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 ORANGE BARRIER FENCE ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	DATE REVISIONS	DATE REVISIONS	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION	
					RIGHT OF WAY MAP	
					PROJECT NO:0115098 COUNTY: CHEROKEE LAND LOT NO:1120, 1121 LAND DISTRICT:15 GMD DATE 4/29/2022 SH4 OF5	

DRAWING No.
60-0004



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 ORANGE BARRIER FENCE ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	DATE	REVISIONS	DATE	REVISIONS	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION						
							RIGHT OF WAY MAP						
							PROJECT NO:0115098 COUNTY: CHEROKEE LAND LOT NO:1120, 1121 LAND DISTRICT:15 GMD DATE 4/29/2022 SH5 OF5						
							DRAWING No. 60-0005						