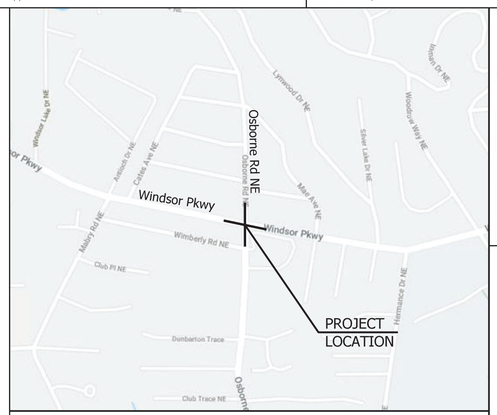
24-JAN-2020 13:41 Ben.Clopper	0162073_01 GDOT_11x17.pen	R:\162073\DGNs\0162073_01.dgn GRWCOV	P. I. No.

CITY OF BROOKHAVEN
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE OF PROPOSED
WINDSOR PARKWAY
AT OSBORNE ROAD



LOCATION SKETCH

CITY OF BROOKHAVEN

MAYOR, JOHN ARTHUR ERNST JR.
CITY COUNCIL DISTRICT 1: LINLEY JONES
CITY COUNCIL DISTRICT 2: JOHN PARK
CITY COUNCIL DISTRICT 3: BATES MATTISON
CITY COUNCIL DISTRICT 4: JOE GEBBIA
PUBLIC WORKS DIRECTOR: HARI KARIKARAN

DESIGN DATA:
TRAFFIC A.D.T.: 10,479 WINDSOR PKWY
TRAFFIC A.D.T.: 5,568 OSBORNE ROAD

24 HOUR CONTACT:

HARI KARIKARAN
NAME

404-637-0500
PHONE NUMBER

HARI.KARIKARAN@BROOKHAVENGA.GOV
E-MAIL

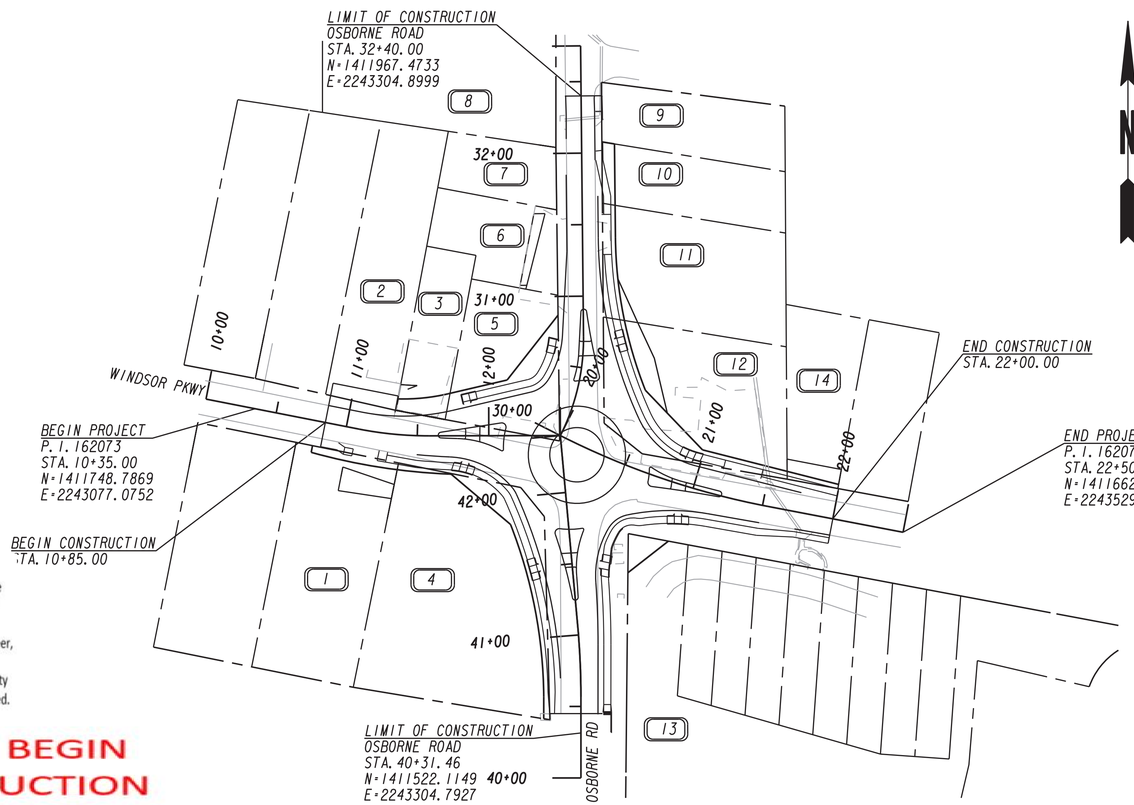
THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)1994 WEST ZONE. AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

The City of Brookhaven does not certify the accuracy of these drawings. In approving these drawings and specifications, the City has relied upon the accuracy of the information and representations furnished herein by the engineer, or architect, and/or applicant. The City of Brookhaven assumes no liability or responsibility for the accuracy of the representations provided.

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

DO NOT BEGIN CONSTRUCTION
before the on-site pre-construction meeting with the City Land Development Inspector.
Call 404/637-0500 to schedule.

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 DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.



LENGTH OF PROJECT	COUNTY No. Project No. 162073
	MILES
NET LENGTH OF ROADWAY	0.0691
NET LENGTH OF BRIDGES	0.0000
NET LENGTH OF PROJECT	0.0691
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF PROJECT	0.0691

THIS PROJECT IS 100% IN DEKALB COUNTY.

APPROVED
Planning & Zoning
Linda Abaray

APPROVED
Engineering
Timothy Ward

APPROVED
ARBORIST

APPROVED
Public Works
Kevin Korth

For all trees to remain on project site and adjacent to the limits of disturbance, provide Tree Protection Fencing at a minimum at the Structural Root Plate of the tree as defined by a concentric circle centering on the tree trunk with a radius equal in feet to one-half times the number of inches of the trunk diameter per city code Sec. 14-47 and per the latest edition of the GSWCC Manual for Erosion and Sediment Control in Georgia.

APPROVED
FIRE MARSHAL
Joe Burge

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

GEORGIA REGISTERED No. 027556 PROFESSIONAL ENGINEER BENJAMIN C. CLOPPER
7/29/19

GSWCC Georgia Soil and Water Conservation Commission
Benjamin C Clopper
Level II Certified Design Professional
Certification Number 0000000088
Issued: 06/03/2017 Expires: 06/03/2020

BENJAMIN C CLOPPER, P.E.
GSWCC LEVEL II Certification #0000000088

PREPARED BY: MICHAEL BAKER INTERNATIONAL, INC.
DESIGN

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SCALE IN FEET
0 50 100 200

PLANS COMPLETED 7-29-2019	1/24/20 - 50-0001,51-0002,54-0001,-0002,56-0004
REVISIONS	
8/15/19 - 2-0001,3-0001,24-0001,50-0001,54-0002	
54-0003,54-0004,56-0001	
10/16/19 - 6-0001,-0002,22-0001,23-0001 TO 23-0009,	
24-0001,-0002	
12/16/19 - 6-0002,50-0001,51-0001 TO -0005,52-0001 TO	
-0007,53-0001,54-0001 TO -0006,55-0001,56-0002	
TO -0009	
1/9/20 - 6-0002,22-0001,24-0001 TO -0002	

DRAWING No.
01-0001

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

DRAWING NO.	DESCRIPTION	
1-0001	COVER	
2-0001	INDEX	
3-0001	REVISION SUMMARY	
4-0001 - 4-0002	GENERAL NOTES & PROJECT NOTES	
5-0001 - 5-0002	TYPICAL SECTIONS	
6-0001 - 6-0002	SUMMARY OF QUANTITIES	
13-0001 - 13-0002	MAINLINE PLAN SHEETS	
15-0001	MAINLINE PROFILE	
16-0001	CROSSROAD PROFILE	
17-0001 - 17-0003	DRIVEWAY PROFILES	
18-0001 - 18-0002	SPECIAL GRADING	
20-0001 - 20-0002	STAGING DETAILS	
21-0001	DRAINAGE AREA MAP	
22-0001	DRAINAGE PROFILES	
23-0001 - 23-0009	CROSS-SECTIONS	
24-0001 - 24-0002	UTILITY PLAN SHEETS	
25-0001 - 25-0004	LIGHTING PLANS (NOT INLCUDED IN PLANS)	
26-0001 - 26-0003	SIGNING AND MARKING SHEETS	
38-0001	SPECIAL CONSTRUCTION DETAIL	
50-0001	EROSION CONTROL COVER SHEET	
51-0001 - 51-0005	ESPC GENERAL NOTES	
52-0001	EC-L1 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 1 OF 7)	3-17
52-0002	EC-L2 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 2 OF 7)	11-18
52-0003	EC-L3 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 3 OF 7)	3-17
52-0004	EC-L4 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 4 OF 7)	3-17
52-0005	EC-L5 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 5 OF 7)	3-17
52-0006	EC-L6 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 6 OF 7)	11-18
52-0007	EC-L7 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 7 OF 7)	3-17
53-0001	EROSION CONTROL DRAINAGE AREA MAP	
54-0001 - 54-0006	BMP LOCATION DETAILS	
55-0001	WATERSHED MAP & SITE MONITORING	

	DETAIL NO.	EROSION CONTROL CONSTRUCTION DETAILS	REV. DATE
56-0002	D-24A	TEMPORARY SILT FENCE (SHEET 1 OF 4)	1-11
56-0003	D-24B	TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH	1-11
		(SHEET 2 OF 4)	
56-0004	D-24C	TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3	1-11
56-0005	D-24D	TEMPORARY SILT FENCE FABRIC CHECK DAM (SHEET 4 OF 4)	7-15
56-0006	D-41	CONSTRUCTION EXIT	4-18
56-0007	D-42	INLET SEDIMENT TRAPS	5-08
56-0008	D-54	SOD INSTALLATION	4-16
56-0009		MULCH & TEMPORARY GRASSING	
60-0001 - 60-0006	RIGHT OF WAY SHEETS		

	DETAIL NO.	CONSTRUCTION DETAILS (NOT INCLUDED)	REV. DATE
	A-1	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS	7-11
	A-2	CONCRETE VALLEY GUTTER AT STREET INTERSECTION, 6" OR 8"	7-11
		VALLEY GUTTER AT DRIVE, PLACING PAVEMENT ADJACENT TO	
		ADDITIONAL PAVING AT STREET INTERSECTION, 4" CORRUGATED	
		MEDIAN	
	A-3	THIS DETAIL REPLACES GA STANDARD 9031W: SPECIAL DETAILS	9-16
		SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS	
	A-4	DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING	6-09
		ALIGNMENT REQUIREMENTS	
	RA-1	ROUNDABOUT LANDSCAPING DETAILS	9-11
	RA-2	ROUNDABOUT TYPICAL SECTION ASPHALTIC CONRETE CIRCULATORY	1-12
	T-03A	TYPE 7, 8 AND 9 SQUARE TUBE POST INSTALLATION DETAIL	2-Jul
	T-11A	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED	9-16
		ROADWAY	
	T-12B	DETAILS OF PAVEMENT MARKIINGS - ARROWS	4-00
	STD NO.	GEORGIA STANDARDS (NOT INCLUDED)	REV. DATE
	1019A	DROP INLETS	8-99
	1019AP	PRECAST DROP INLETS	8-99
	1019B	DROP INLETS TYPES V-1 AND V-2	8-99
	1030D1	CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3	9-01
	1030D2	CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3	9-01
	1030D3	CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3	9-01
	1033D	CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND GUTTER)	8-82
	1033DP	PRECAST CATCH BASINS (FOR USE WITH 6" OR 8" HT. CURB AND	9-82
	9003	FEDERAL AID AND STATE PROJECT MARKERS; RIGHT OF WAY	4-06
		COUNTY LINE MARKERS	
	9029B	PERFORATED UNDERDRAIN	8-83
	9031L2	DETAILS OF DROP INLET FOR MODIFIED GRATES	6-98
	9031S	MEDIAN DROP INLET (PRECAST OR BUILT-IN-PLACE) AND CONCRETE	4-96
	9032B	CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE	11-11
	9100	TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND	3-06
		MISCELLANEOUS DETAILS	
	9102	TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON TWO-LANE	3-06

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES
8/15/19

INDEX
WINDSOR PARKWAY AT OSBORNE ROAD

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

DRAWING No.
02-0001

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

DATE	DRAWING NO.	REVISION
8/15/19	01-0001, 03-0001	ADDED REVISION
8/15/19	02-0001	DELETED SHEET 56-0001
8/15/19	13-0001 & 13-0002	ADDED LIGHT FIXTURES (BY OTHERS)
8/15/19	24-0001	ADDED WATER LINE RELOCATION
8/15/19	50-0001	ADDED REVISION
8/15/19	54-0002	REVISED LINESTYLE FOR Sd1-S
8/15/19	54-0003, 54-0004	LABLED DS1 AND DS2
8/15/19	56-0001	DELETED SHEET FROM PLAN SET
10/16/19	01-0001, 03-0001	ADDED REVISION
10/16/19	06-0001, 06-0002	REVISED QUANTITIES
10/16/19	22-0001	REVISED UTILITY CALLOUTS
10/16/19	23-0001 TO 23-0009	ADDED WATER AND SEWER UTIILITIES
10/16/19	24-0001	REVISED WATER LINE RELOCATIONS, ADDED LIGHT FIXURES
10/16/19	24-0002	ADDED WATER LINE RELOCATIONS, ADDED LIGHT FIXTURES
12/16/19	01-0001, 03-0001	ADDED REVISION
12/16/19	06-0002	REVISED SOD QUANTITY, ADDED TURF REINFORCING MATTING, TP 1
12/16/19	50-0001	ADDED REVISION, REVISED NOTE
12/16/19	51-0001 TO 51-0005	ADDED PLANS COMPLETE DATE, UPDATED CHECKLIST AND APPENDIX 1, REVISED NOTES
12/16/19	52-0001 TO 52-0007	ADDED PLANS COMPLETE DATE
12/16/19	53-0001	ADDED PLANS COMPLETE DATE, ADDED TOTAL DISTURBED AREA, ADDED SOIL CLASSIFICATIONS
12/16/19	54-0001	ADDED PLANS COMPLETE DATE, ADDED Co AND Du, CONCRETE WASH DOWN AND C/F LIMITS
12/16/19	54-0002	ADDED PLANS COMPLETE DATE, ADDED Du AND C/F LIMITS
12/16/19	54-0003	ADDED PLANS COMPLETE DATE, ADDED SLOPE MATS, REVISED Cd-F TO Cd-S
12/16/19	54-0004	ADDED PLANS COMPLETE DATE
12/16/19	54-0005	ADDED PLANS COMPLETE DATE, ADDED HATCHING FOR SOD
12/16/19	54-0006	ADDED PLANS COMPLETE DATE, ADDED HATCHING FOR SOD
12/16/19	55-0001	ADDED PLANS COMPLETE DATE
12/16/19	56-0002	ADDED PLANS COMPLETE DATE, REMOVED TP A SILT FENCE
12/16/19	56-0003	ADDED PLANS COMPLETE DATE
12/16/19	56-0004	ADDED PLANS COMPLETE DATE, REMOVED Sd2-F METAL ALTERNATE
12/16/19	56-0005	ADDED PLANS COMPLETE DATE, REMOVED Cd-F DETAIL, ADDED Cd-S DETAIL
12/16/19	56-0006	ADDED PLANS COMPLETE DATE
12/16/19	56-0007	ADDED PLANS COMPLETE DATE, ADDED NOTE
12/16/19	56-0008	ADDED PLANS COMPLETE DATE
12/16/19	56-0009	ADDED PLANS COMPLETE DATE, REVISED Ds2 NOTES, ADDED Ds4 NOTES
1/9/20	01-0001, 03-0001	ADDED REVISION
1/9/20	06-0002	REMOVED WATER QUANTITIES
1/9/20	22-0001	REVISED WATER RELOCATIONS
1/9/20	24-0001 & 24-0002	REVISED WATER RELOCATIONS
1/24/20	01-0001, 03-0001	ADDED REVISION
1/24/20	50-0001	ADDED REVISION
1/24/20	51-0002	REVISED CONCRETE WASHDOWN NOTE
1/24/20	54-0001 TO -0002	ADDED Sd1-S NOTE
1/24/20	56-0004	ADDED DEPTH OF EXCAVATION FOR INLET SEDIMENT TRAP NOTE

DATE	DRAWING NO.	REVISION

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES		
8/15/19		
10/16/19		
12/16/19		
1/9/20		
1/24/20		

REVISION SUMMARY

WINDSOR PARKWAY AT OSBORNE ROAD

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

DRAWING No.
03-0001

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

PROJECT GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION AND THE CITY OF BROOKHAVEN ORDINANCES.

2. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

SOUTHERN COMPANY GAS	DEKALB COUNTY WATER	??? CABLE TELEVISION
AT&T TELEPHONE	DEKALB COUNTY SEWER	??? FIBER OPTIC
GA POWER ELECTRIC		

3. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS.

4. RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.

5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.

6. PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER. CONTRACTOR TO NOTIFY THE CITY REPRESENTATIVE IMMEDIATELY UPON DISCOVERY OF SUCH MATERIAL.

7. 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.

8. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.

9. ALL EXISTING PIPES AND DRAINAGE STRUCTURES 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. 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 PRICE BID FOR "GRADING COMPLETE".

11. ALL DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL DRIVEWAYS TO BE CONSTRUCTED SHALL BE REPLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE ETC. ANY OTHER DRIVEWAY MATERIAL OR SPECIALIZED DRIVEWAY WILL NOT BE REPLACED IN KIND (I.E. PAVERS) AND WILL BE REPLACED WITH ASPHALT OR CONCRETE. ALL EARTH OR GRAVEL DRIVES SHALL BE PAVED WITH ASPHALT TO THE RIGHT-OF-WAY LIMIT OR TIE-IN POINT. DRIVEWAYS SHALL BE PAVED AS FOLLOWS:

ASPHALTIC DRIVES
RESIDENTIAL - 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE (@ 165 LB/SY)
- 2" ASPH. CONC. 19 MM SUPERPAVE (@ 220 LB/SY)
- 6" GRADED AGGREGATE BASE, INCL MATL

COMMERCIAL - 1-1/2" ASPH. CONC. 12.5 MM SUPERPAVE, GP 2, INCL BITUM (@ 165 LB/SY)
- 2" ASPH. CONC. 19 MM SUPERPAVE (@ 220 LB/SY)
- 8" GRADED AGGREGATE BASE, INCL MATL

CONCRETE DRIVES
RESIDENTIAL - 6" CONCRETE VALLEY GUTTER
- 6" CONCRETE DRIVEWAY

COMMERCIAL - 8" CONCRETE VALLEY GUTTER
- 8" CONCRETE DRIVEWAY

12. PRICE BID FOR TRAFFIC CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, AGGREGATE SURFACE COURSE, CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNAGE, PAVEMENT MARKINGS, BARRICADES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, OR AS DIRECTED BY THE ENGINEER.

13. NO SEPARATE PAYMENT WILL BE MADE FOR PAVEMENT, GRADING OR ANY OTHER OPERATIONS REQUIRED FOR DETOUR CONSTRUCTION AND SHALL BE INCLUDED IN PRICE BID FOR "TRAFFIC CONTROL".

14. 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.

15. REPLACEMENT GRASSING SHALL BE SOD UNLESS OTHERWISE DIRECTED BY THE CITY.

16. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION OR AS DIRECTED BY THE ENGINEER.

17. ALL FIRE HYDRANTS, WATER VALVES, AND WATER METERS SHALL BE ADJUSTED TO GRADE AND PAYMENT SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

18. 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 TO THE BACK OF THE SIDEWALK, COST SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

19. LEVEL D PERSONAL PROTECTIVE EQUIPMENT IS RECOMMENDED. THERE ARE NO UST'S OR MONITORING WELLS WITHIN ANY EXISTING OR PROPOSED RIGHT-OF-WAY AREAS.

20. 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.

PROJECT GENERAL NOTES CONT.:

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LIFE OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON, YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA. ALL COSTS INCURRED FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.

22. AN N.O.I. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 1.33 ACRES.

23. CONTRACTOR IS TO CLEAN OUT ALL EXISTING DRAINAGE STRUCTURES AND PAYMENT TO BE INCLUDED IN GRADING COMPLETE.

24. PAYMENT FOR SIGNS REQUIRED FOR EROSION SEDIMENTATION AND POLLUTION CONTROL (ESPCP) SHALL BE INCLUDED IN TRAFFIC CONTROL.

25. ALL ADA WHEELCHAIR RAMPS WITHIN THE RADII SHALL BE 8 INCH CONCRETE AND PAID UNDER BID PRICE ITEM FOR 8 INCH CONCRETE SIDEWALK.

26. 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 BROOKHAVEN.

27. YELLOWDETECTABLE WARNING STRIPS SHALL BE AS APPROVED ON THE GDOT QUALIFIED PRODUCT LIST.

28. THE CONTRACTOR SHALL REMOVE AND RESET ALL HISTORIC AND BROOKHAVEN SIGNS UNLESS OTHERWISE NOTED AND THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF BROOKHAVEN FOR STORAGE AND PLACEMENT OF SIGNS. PAYMENT FOR THIS SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".

29. ALL SIGNS OR SIGN/LIGHT ASSEMBLIES TO BE RESET OR RELOCATED SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE"

30. PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION. SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE APPROVED BY THE CITY OF BROOKHAVEN PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR CONDITION OF ALL EXISTING WALLS. PAYMENT FOR SHORING TO BE INCLUDED IN GRADING COMPLETE.

pH: 7
Resistivity: 1000

Project Number: County: Dekalb P.I. Number: 162073

Pipe Culvert Material Alternates

TYPE OF INSTALLATION			PIPE TYPE: CONCRETE: REINFORCED CONCRETE AASHTO M-170	STEEL: CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36	STEEL: CORRUGATED STEEL PLAIN ZINC COATED AASHTO M-36	STEEL: POLYMER COATED STEEL AASHTO M-245	ALUMINUM: CORRUGATED ALUMINUM AASHTO M-196	THERMOPLASTIC: CORRUGATED HDPE AASHTO M-252	THERMOPLASTIC: SMOOTH LINED HDPE TYPE "S" AASHTO M-294	THERMOPLASTIC: SMOOTH LINED POLYPROPYLENE AASHTO M-330	THERMOPLASTIC: PVC CORRUGATED SMOOTH INTERIOR ASTM F-949	THERMOPLASTIC: PVC Profile Wall Drain Pipe AASHTO M-304
STORM DRAIN	NON-TRAVEL BEARING (OUTSIDE ROADBED)	INTERSTATE	X									
		NON INTERSTATE	X	X		X	X		X	X	X	X
	TRAVEL BEARING (INSIDE ROADBED)	ADT < 1,500	X	X		X	X		X	X	X	X
		1,500 < ADT < 5,000	X	X		X	X		X	X	X	X
		5,000 < ADT < 15,000	X						X	X	X	X
		ADT > 15,000 & INTERSTATES	X									
		GRADE > 10%				X			X	X	X	X
SIDE DRAIN			X	X	X	X	X		X	X	X	X
PERMANENT SLOPE DRAIN				X	X	X	X		X	X	X	X
PERFORATED UNDERDRAIN				X	X		X	X	X	X	X	X

NOTES:

1. Allowable materials are indicated by an "X".
2. Structural, installation, fill height and backfill requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P and the Standard Specifications
3. The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.
4. Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face shall be Class V Concrete Pipe.

Rev. 1-12-16

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".
2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
3. ALL SIGNS SHALL HAVE TYPE IX RETROREFLECTIVE SHEETING UNLESS OTHERWISE NOTED.
4. IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
5. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED AND STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES.
6. EXISTING PAVEMENT MARKINGS THAT CONFLICT AS DETERMINED BY THE ENGINEER SHALL BE OBLITERATED BY THE CONTRACTOR BY HYDRO-BLASTING AND SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.
7. ONLY REFLECTORIZED PLASTIC DRUMS AND TEMPORARY CONCRETE BARRIERS SHALL BE USED ADJACENT TO TRAVEL LANES PLACED A MINIMUM OF 2 FEET FROM THE EDGE OF THE TRAVEL LANES UNLESS PRIOR APPROVAL IS GRANTED BY THE CITY OF BROOKHAVEN. TYPE I AND II BARRICADES AND CONES SHALL NOT BE USED.
8. REFLECTIORIZED DRUMS SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. MAXIMUM SPACING EQUALS THE DESIGN SPEED LIMIT FOR THE TAPER.
9. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS NOT TO INTERFERE WITH SIGHT DISTANCES ALONG ANY ADJACENT SIDE ROAD OR DRIVEWAY.
10. THE CITY OF BROOKHAVEN RESERVES THE RIGHT TO MODIFY THIS MAINTENANCE OF TRAFFIC PLAN AS FIELD CONDITIONS WARRANT. IF ADDITIONAL TRAFFIC CONTROL DEVICES ARE REQUIRED, THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY.
11. THE CONTRACTOR MUST OBTAIN A ROAD CLOSURE PERMIT FROM THE CITY OF BROOKHAVEN A MINIMUM OF 3 WEEKS PRIOR TO ROAD CLOSURE.
12. ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.
13. INFORMATION SIGNS, INFORMING MOTORISTS OF THE ROAD CLOSURE SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO THE ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE ROAD CLOSURE (SEE SPECIFICATIONS BELOW):

(ROAD NAME) WILL BE CLOSED/TEMPORARY CLOSED
STARTING (DATE) - ENDING (DATE)

THESE SIGNS SHALL BE RETROREFLECTIVE SHEETING ON METAL, 4 INCH BLACK LETTERING ON ORANGE BACKGROUND.

14. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY THE CITY OF BROOKHAVEN BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR "TRAFFIC CONTROL". THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE TO THE ROAD DURING THE CONSTRUCTION OF THE PROJECT WITHOUT APPROVAL BY THE ENGINEER.
15. DURING CONSTRUCTION PAVEMENT SECTIONS SHOULD BE COMPLETED UP TO BINDER LAYER WITH TEMPORARY STRIPING. 1½ INCHES OF 12.5 MM SUPERPAVE WILL BE APPLIED TO THE ENTIRE PROJECT AREA AND PERMANENT STRIPING WILL BE COMPLETED AT THAT TIME. PAYMENT FOR TEMPORARY STRIPING WILL BE PAID UNDER TRAFFIC CONTROL BID ITEM.

CITY OF BROOKHAVEN GENERAL TRANSPORTATION NOTES

1. ALL TRAFFIC CONTROL AND WARNING DEVICES MUST BE SHOWN AND PLACED PER MUTCD. THE TRAFFIC CONTROL PLAN IS SUBJECT TO CHANGE BY THE BROOKHAVEN TRAFFIC ENGINEER.
2. TEMPORARY TRAFFIC CONTROL AND WARNING DEVICES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF ANY ROAD IMPROVEMENT WORK ON CITY ROADS AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL SIGNING AND STRIPING WORK.
3. ALL SIGNS SHALL CONFORM TO THE MUTCD STANDARDS AND BROOKHAVEN FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT.
4. STRIPING (WHITE AND YELLOW) AND ARROW MARKING SHALL BE APPLIED USING GDOT STANDARDS FOR THERMOPLASTIC STRIPING.
5. WHEN NECESSARY, EXISTING STRIPING SHALL BE REMOVED BY HYDROBLASTING UNLESS SPECIFIED BY THE BROOKHAVEN TRAFFIC ENGINEER.
6. ALL FINAL SIGNAGE MUST BE INSTALLED CONCURRENTLY WITH THE PERFORMANCE OF THE STRIPING WORK.
7. CONTACT THE BROOKHAVEN TRAFFIC ENGINEER ONE WEEK PRIOR TO COMMENCEMENT OF ANY STRIPING WORK.
8. A CITY OF BROOKHAVEN UTILITY PERMIT IS REQUIRED FOR ANY CONSTRUCTION WITHIN THE ROW. REFER TO THE CITY'S UTILITY PERMIT POLICY FOR REQUIREMENTS.
9. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE AS-BUILT STATUS OF DOWNSTREAM DRAINAGE IMPROVEMENTS PRIOR TO BEGINNING CONSTRUCTION AND ADVISE THE ENGINEER OF ANY DIFFERENCES NOTED BETWEEN FIELD CONDITIONS AND WHAT IS DEPICTED IN THE CONSTRUCTION DOCUMENTS.
10. SAWCUT MUST BE USED IN ANY AREA WHERE NEW PAVEMENT WILL ABUT EXISTING PAVEMENT.
11. NO CLOSURES OF OR ENCROACHMENTS INTO THE PEDESTRIAN, BICYCLE, OR VEHICULAR TRAVEL AREAS SHALL BE DONE WITHOUT PRIOR APPROVAL FROM THE BROOKHAVEN TRAFFIC ENGINEER. ALL PROPOSED PLANS FOR CLOSURES AND ENCROACHMENTS SHALL BE SUBMITTED AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT.

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REVISION DATES

GENERAL NOTES

WINDSOR PARKWAY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		04-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

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 DEPARTMENT OF PUBLIC WORKS.
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.

4A. 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).

4B. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS MOUNTED BEHIND GUARD RAIL SHALL BE 6 FEET FROM THE FACE OF THE GUARD RAIL TO THE NEARER EDGE OF THE SIGN(S).

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 3/8 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.
9. A 1/2 INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.
10. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL 3/8 INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.
11. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.
12. THE CONTRACTOR WILL, AS REQUESTED BY THE CITY BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

SIGNING AND PAVEMENT MARKING GENERAL NOTES (CONT.)

5. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
6. ALL SIGNS SHALL BE ON 5052-H38 FLAT ALUMINUM ALLOY (0.080 GAUGE THICKNESS) WITH ROUNDED CORNERS. ALL SIGNS SHALL MEET OR EXCEED ASTM D 4956 SPECIFICATIONS FOR RETROREFLECTIVITY . SIGN COLORS SHALL BE MATCHED VISUALLY AND BE WITHIN THE COLOR TOLERANCE LIMITS SHOWN ON THE APPROPRIATE HIGHWAY COLOR TOLERANCE CHARTS ISSUED BY THE FHWA UTILIZING THE INSTRUCTIONS THEREON.
7. UNLESS OTHERWISE NOTED, SIGN POSTS SHALL BE 2 INCH SQUARE POSTS SET IN 2.5 INCH SQUARE STUBS. SUB HEIGHT SHALL BE BETWEEN 1 TO 4 INCHES FROM THE SURFACE FROM WHICH IT IS MOUNTED. THE POST SHALL BE BLACK WEATHER RESISTANT, RUST INHIBITIVE, HIGH QUALITY POWDER COATED ENAMEL. STANDARD INSTALLATION DEPTH IS 2 FEET. WHERE STREET BLADES (D3'S) ARE SPECIFIED ABOVE STOP SIGNS (R1-1's) THESE BLADES SHALL BE ATTACHED TO THE POST USING VULCAN VS-12 BOLT-THRU CAPS AND CROSSES (OR THEIR EQUIVALENT).
8. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS OF THE MUTCD, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM THE CITY OF BROOKHAVEN.
9. IN RESIDENTIAL AREAS, SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL SIGNS/ POSTS/ STUBS/ FOOTINGS/ PAVEMENT MARKINGS THAT ARE DUPLICATED OR CONTRARY TO THESE PLANS.
11. ALL R4-7 (KEEP RIGHT) SIGNS SHALL BE INSTALLED 10 FEET FROM THE END (BULLNOSES) OF MEDIANS. PVC PIPE (6" INCH DIAMETER) IS REQUIRED FOR INSTALLING R4-7 SIGN POSTS WHEN MEDIANS ARE CONCRETE OR SOME OTHER IMPERVIOUS SURFACE. PVC PIPE SHALL NOT EXTEND ABOVE MEDIAN SURFACE MORE THAT 4 INCHES.
12. STREET NAME BLADES (D3'S) SHALL BE PROVIDED BY THE CONTRACTOR. ALL D3'S SHALL BE "WHITE ON GREEN", TYPE IX RETROREFLECTIVE SHEETING. NINE INCH D3'S ARE STANDARD, EXCEPT AT SIGNALIZED INTERSECTIONS WHERE 18 INCH D3'S SHALL BE PROVIDED. PRIVATE ROADS SHALL BE "WHITE ON BLUE" TYPE IX RETROREFLECTIVE SHEETING.

    9 INCH D3'S - LETTERS SHALL BE 6 INCH SERIES "C", UPPER AND LOWER CASE, EXCEPT GEOGRAPHIC QUADRANTS WHICH SHALL BE 3 INCH SERIES "C", ALL UPPER CASE. GEOGRAPHIC QUADRANTS SHALL BE LOCATED IN THE UPPER RIGHT HAND CORNER. WHITE BORDERS SHALL BE 1/2INCH IN WIDTH. ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS.

    18 INCH D3'S - LETTERS SHALL BE 8 INCH SERIES "C", UPPER AND LOWER CASE, (NO GEOGRAPHIC QUADRANTS). ARROWS SHALL BE PROVIDED AS NECESSARY TO CLARIFY STREET NAME CHANGES AT INTERSECTIONS. WHITE BORDERS SHALL BE 1/2INCH IN WIDTH.

    THE LETTERING ON POST-MOUNTED STEEL NAME SIGNS (D3 SERIES) SHOULD BE COMPOSED OF INITIAL UPPER CASE LETTERS AT LEAST 8 INCHES HIGH AND LOWER CASE LETTERS AT LEAST 6 INCHES HIGH.

    OVERHEAD STREET NAME SIGNS (D3 SERIES) SHALL BE ONE-SIDED AND AT LEAST TYPE 9 SHEETING AND INSTALLED BETWEEN TWO SIGNAL HEADS FOR THE APPROACH. THE LETTERING SHOULD BE AT LEAST 300 MM (12 INCHES) UPPER CASE LETTERS WITH 225 MM (9 INCHES) LOWER CASE LETTERS. THE FONT SHOULD BE FHWA STANDARD HIGHWAY SERIES E(M). A WHITE BORDER SHOULD BE INCLUDED AROUND AND TO THE EDGE OF THE SIGN.
13. PAVEMENT MARKINGS ON CONCRETE SURFACES SHALL BE PRE-FORMED THERMOPLASTIC.
14. PLANS SHALL INCLUDE SHEET(S) DETAILING FABRICATION SPECIFICATIONS FOR ALL REQUIRED ADVISORY NAME BLADES AND D3'S.
15. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF EXISTING TRAFFIC CONTROL SIGNS THROUGHOUT CONSTRUCTION. THIS INCLUDES CLEANING AND REPLACEMENT OF EXISTING SIGNS SHOULD THESE SIGNS NEED CLEANING, REPAIR OR REPLACEMENT DURING CONSTRUCTION.
16. ALL EXISTING SIGNS SHALL BE REMOVED, CLEANED, AND RESET. PAYMENT FOR EXISTING SIGN REMOVAL, CLEANING AND RESET SHOULD BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL.

SIGNING AND PAVEMENT MARKING GENERAL NOTES

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE SPECIFIC ITEM.
2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD), LATEST EDITION, AND ANY APPLICABLE CITY OF BROOKHAVEN STANDARDS.
3. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
4. RAISED PAVEMENT MARKERS (RPM'S) SHALL BE INSTALLED PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD DETAILS.

CITY OF BROOKHAVEN EROSION & SEDIMENT CONTROL GENERAL NOTES

1. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
2. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ON TO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED. THE CONTRACTOR SHALL INSPECT CONTROL MEASEURES AT THTE END OF EACH WORK DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
3. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
4. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
5. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
6. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UP STREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
7. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO CITY OF BROOKHAVEN STANDARDS.
8. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
9. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.
10. STATE WATERS ARE NOT ON SITE OR WITHIN 200 FEET OF THE SITE.
11. THE PERSON AND CONTACT INFORMATION FOR OWNER INFORMATION IS AS FOLLOWED:
    MR. KEVIN KORTH
    PUBLIC WORKS, TRANSPORTATION ENGINEER
    CITY OF BROOKHAVEN
    4362 PEACHTREE RD
    BROOKHAVEN GA 30319
    404-637-0724
12. CONSTRUCTION ACTIVITIES INCLUDING VEGETATION, MULCHING AND BMP PRACTICES ARE SHOWN ON THE EROSION CONTROL PLAN SHEETS.
13. ANY DISTURBED AREA LEFT EXPOSED SHALL BE TEMORARILY STABILIZED WITH MULCH OR TEMPORARY SEEDING AS SOON AS POSSIBLE AFTER ROUGH GRADING IS COMPLETED BUT WITHIN 14 DAYS AFTER DISTURBANCE; PERMANENT VEGETATION SHALL BE PLANTED IF THE AREA IS TO BE LEFT UNDISTURBED FOR GREATER THAN 6 MONTHS.

DEKALB WATERSHED MANAGEMENT GENERAL NOTES

1. MANHOLE AND UTILITY VALVE BOX ADJUSTMENTS - IT SHALL BE THE CONTRACTOR'S RESPONSBILITY TO NOTE AND MARK THE LOCATION OF EACH UTILITY VALVE BOX AND MANHOLE OCVER ON THE STREETS PRIOR TO RESURFACING THEN LOCATE AND ADJUST EACH OF THESE AFTER RESURFACING. UTILITY VALVE ADJUSTMENTS MAY BE MADE WITH ADJUSTABLE RINGS THAT CAN BE OBTAINED FROM DEKALB COUNTY WATERSHED MANAGEMENT. MANHOLE ADJUSTMENTS SHALL BE MADE IN ACCORDANCE WITH THE PROVIDED DETAIL. ADUSTMENTS SHALL BE COMPLETED WITHIN 30 DAYS OF PAVING. HIGH AND EARLY STRENGTH CONCRETE SHALL BE USED, AND PROTECTED FROM TRAFFIC FOR A MINIMUM OF 3 DAYS WITH STEEL PLATES, OR OTHER MEASURES. IN THE EVENT AN EXISTING CASTING OR STRUCTURE IS FOUND TO BE STRUCTURALLY DEFICIENT, IT SHALL BE REPORTED TO THE ENGINEER FOR EVALUATION.
2. ADJUST ALL PROPOSED VALVES WITHIN THE PROJECT LIMITS TO THE PREVAILING FINISHED GRADE.
3. ADJUST ALL MANHOLE COVERS WITHIN THE PROJECT LIMITS TO THE PREVAILING FINISHED GRADE.
4. ALL MANHOLES LOCATED WITHIN ROADWAYS SHALL BE INSTALLED WITH CONCRETE COLLARS AND TRAFFIC RATED MANHOLE FRAMES AND COVERS AS PER DETAIL S-008-1.
5. UNVENTED/SOLID MANHOLE COVERS ARE TO BE INSTALLED AT ALL LOCATIONS WITHIN THE PROJECT LIMITS.
6. ADJUST OR RELOCATE WATER METERS AS NECESSARY. ANY METERS REQUIRING ADJUSTMENT OR RELOCAITONS MUST BE UPGRADED TO THE APRPOVED METER AS PER DWM REQUIREMENTS. THIS REQUIRES THAT THE CONTRACTOR CONTACT DEKALB WATERSHED MANAGEMENT, ENGINEERING & CONSTRUCTION MANAGMENT DIVISION, IN ORDER TO OBTAIN AN APPROVED METER AND RETROFIT FOR WATER METER INSTALLATIONS WITHIN THE PROJECT LIMITS.
7. FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE COUNTY WATERSHED MANAGEMENT BEFORE CHANGES ARE IMPLEMENTED.
8. DEKALB COUNTY WATERSHED STANDARDS ARE AVAILABLE ONLINE, FOR FREE, VIA: https://www.dekalbcountyga.gov/watershed-management/office-engineering-construction-management-services
9. TO PURCHASE A HARD COPY OF THE DESIGN STANDARDS AND DETAIL, PLEASE CALL (770) 414-2383 OR (770) 621-7272.
10. CONTRACTOR SHALL COMPLY WITH REQUIREMENTS AND DETAILS IN DEKALB COUNTY POTABLE WATER MAIN, GRAVITY SANITARY SEWER, SANITARY SEWER, AND FORCE MAIN DESIGN STANDARDS, 2017 ADDITION. SEE APPENDIX D FOR POTABLE WATER MAIN STANDARD DETAILS. SEE APPENDIX I FOR GRAVITY SANITARY SEWER STANDARD DETAILS. ACTUAL FIELD CONDITIONS MAY DICTATE MORE STRINGENT REQUIREMENTS IF DEEMED NECESSARY BY THE CONSTRUCTION INSPECTOR. STANDARD DETAILS W-008, W-020, AND W-021 ARE PROVIDED IN APPENDIX A AND CAN BE REFERENCED FOR WATER METER RELOCATIONS. STANDARD DETAIL W-004 IN APPENDIX A CAN BE REFERENCED FOR FIRE HYDRANT INSTALLATIONS.
11. AS-BUILT DRAWINGS SHALL BE FURNISHED TO DWM AT THE CONCLUSION OF THE PROJECT IN BOTH AN ELECTRONIC AND HARD COPY FORMATS.

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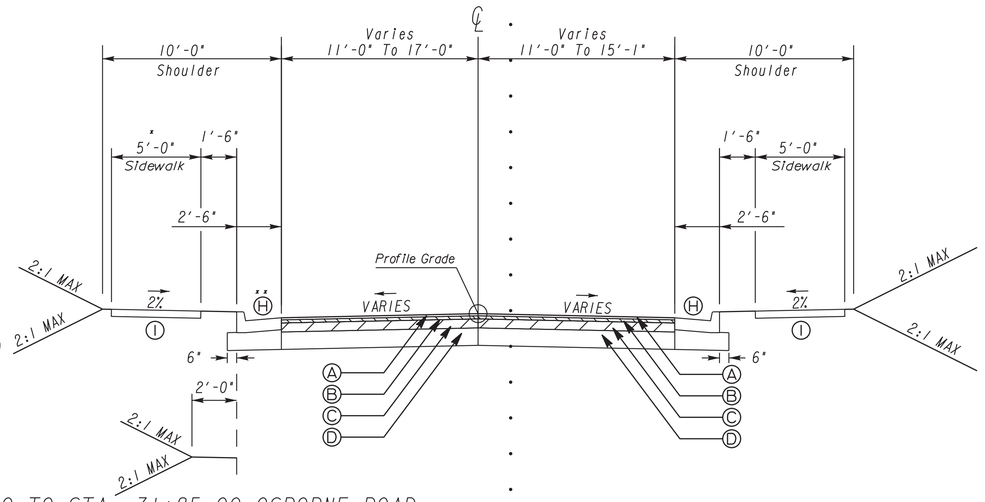
REVISION DATES

GENERAL NOTES

WINDSOR PARKWAY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		04-0002
VERIFIED:		DATE:		

10/23/2015 GPLN



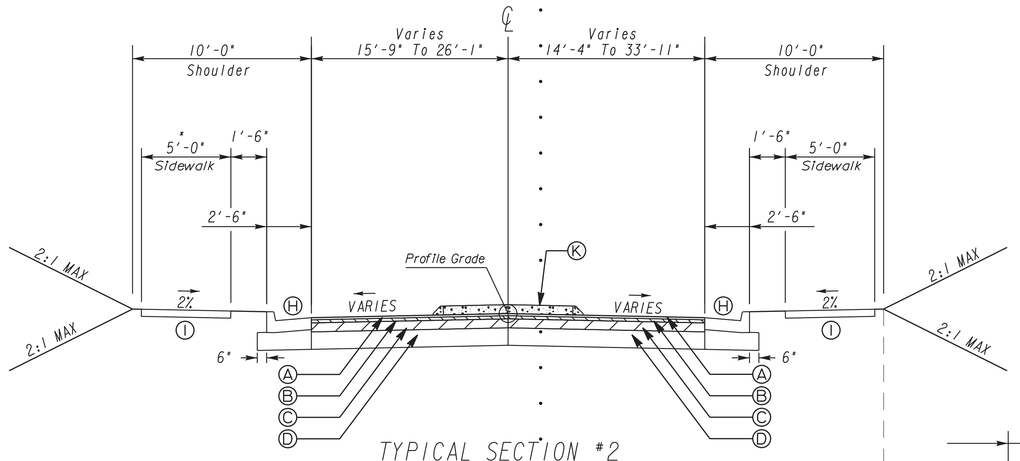
x - NO SIDEWALK
STA. 10+85.00 TO STA. 11+85.05 WINDSOR PKWY
STA. 30+69.68 TO STA. 31+55.00 OSBORNE ROAD

xx - NO CURB AND GUTTER
STA. 10+85.00 TO STA. 11+09.16 WINDSOR PKWY

STA. 31+55.00 TO STA. 31+85.00 OSBORNE ROAD

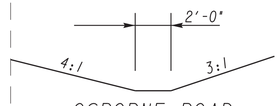
TYPICAL SECTION #1

STA. 10+85.00 LT AND 11+50.00 RT TO STA. 11+64.75 WINDSOR PKWY
STA. 21+20.16 TO STA. 21+50.00 RT AND 21+75.00 LT WINDSOR PKWY
STA. 30+90.91 TO STA. 31+85.00 LT AND 31+70.00 RT OSBORNE ROAD
STA. 40+45.00 RT AND 40+70.00 LT TO STA. 41+24.48 OSBORNE ROAD

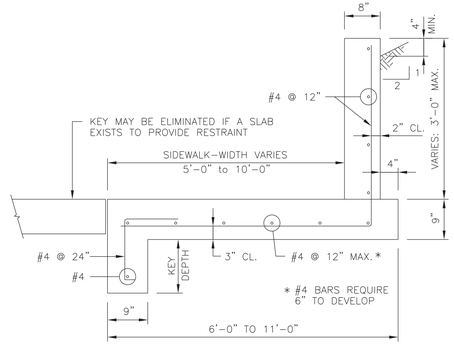


TYPICAL SECTION #2

STA. 11+64.75 TO STA. 12+10.84 WINDSOR PKWY
STA. 20+67.65 TO STA. 21+20.16 WINDSOR PKWY
STA. 30+40.74 TO STA. 30+90.91 OSBORNE ROAD
STA. 41+24.48 TO STA. 41+74.17 OSBORNE ROAD



OSBORNE ROAD



KEY DEPTH	WALL HEIGHT
0'-0"	1'-9"
6" MIN.	2'-0"
0'-9"	2'-6"
1'-0"	3'-0"

LOADS:
SURCHARGE = 0 PSF

MATERIALS:
CONCRETE _____ f'c = 3,000 PSI
REINFORCING _____ fy = 60,000 PSI

SOIL PROPERTIES:
SOIL WEIGHT = 110 PCF
ø = 28°
C = 0
ALLOWABLE SOIL PRESSURE = 3,000 PSF

TYPICAL SECTION NOTES:

1. EXISTING PAVEMENT IS TO BE SAW CUT TO ENSURE A NEAT LINE
2. CURB AND GUTTER ON HIGH SIDE OF CROSS SLOPE IS 8% DOWN AND DOES NOT MATCH SLOPE OF PAVEMENT.
3. FOR SUPERELEVATION RATES AND LOCATIONS SEE ROADWAY PLANS.
4. SOD ALL DISTURBED AREAS

REQUIRED PAVEMENT

A. RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME, 165 LBS/SY
B. RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 220 LBS/SY
C. RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 440 LBS/SY
D. GRADED AGGREGATE BASE, 10", INCL MATL
H. 8"x30" CONC CURB & GUTTER, GA STD. 9032B, TP 2
I. CONCRETE SIDEWALK, 4 IN
K. CONCRETE MEDIAN WITH TYPE 7 FACE, 7½ IN, COLORED & STAMPED
L. PLAIN PC CONC PVMT, CL 3 CONC, 10" THK, COLORED & STAMPED (SEE DETAIL ON DWG NO 5-0002)
M. CONCRETE HEADER CURB, 4 IN, TP 9
N. CONCRETE HEADER CURB, 6 IN, TP 7

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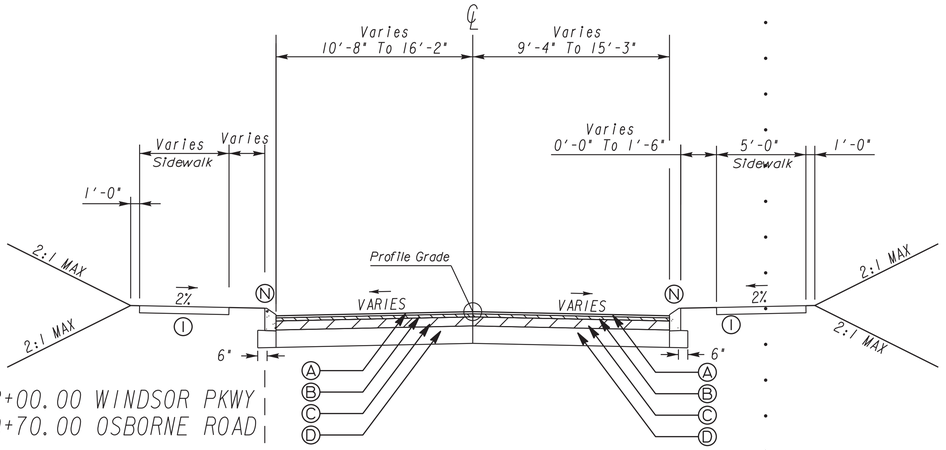
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES

TYPICAL SECTIONS
WINDSOR PARKWAY AT OSBORNE ROAD

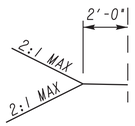
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

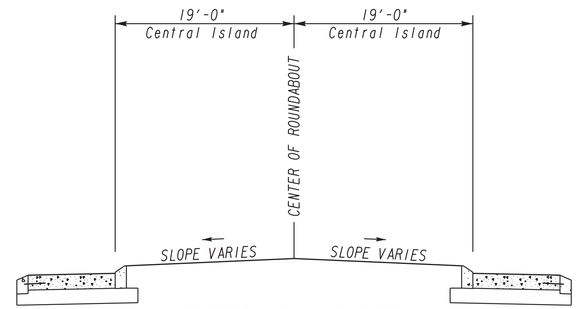


STA. 21+75.00 TO STA. 22+00.00 WINDSOR PKWY
STA. 40+45.00 TO STA. 40+70.00 OSBORNE ROAD

TYPICAL SECTION #3

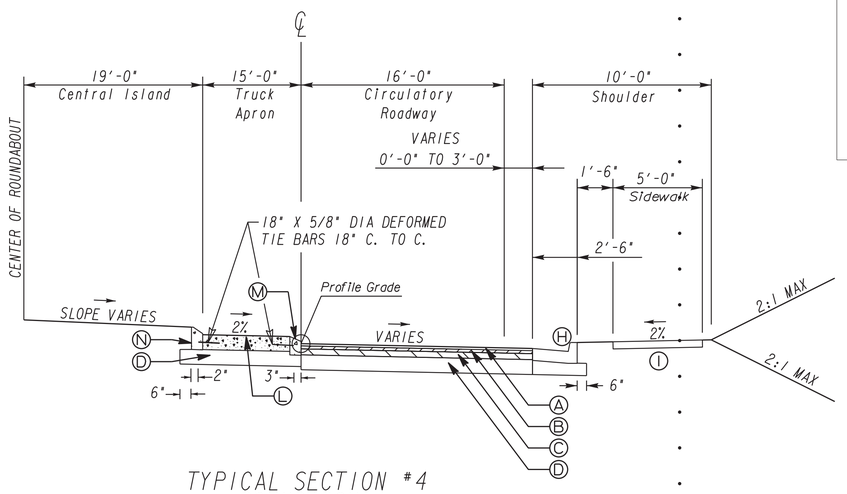


STA. 31+85.00 TO STA. 32+40.00 OSBORNE ROAD



CENTER ISLAND DETAIL
SEE CONST. DETAIL RA-1 FOR LANDSCAPING REQUIREMENTS

STA. 10+85.00 TO STA. 11+50.00 WINDSOR PKWY
STA. 21+50.00 TO STA. 22+00.00 WINDSOR PKWY
STA. 31+70.00 TO STA. 32+40.00 OSBORNE ROAD



TYPICAL SECTION #4
ROUNDABOUT
STA. 50+00.00 TO STA. 52+13.63

STAMPED CONCRETE PAVING
FEDERAL STD. 595 COLOR FS 20109

TYPICAL SECTION NOTES:

1. EXISTING PAVEMENT IS TO BE SAW CUT TO ENSURE A NEAT LINE
2. CURB AND GUTTER ON HIGH SIDE OF CROSS SLOPE IS 8% DOWN AND DOES NOT MATCH SLOPE OF PAVEMENT.
3. FOR SUPERELEVATION RATES AND LOCATIONS SEE ROADWAY PLANS.
4. SOD ALL DISTURBED AREAS

REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME, 165 LBS/SY
- (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 220 LBS/SY
- (C) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME, 440 LBS/SY
- (D) GRADED AGGREGATE BASE, 10", INCL MATL
- (H) 8"x30" CONC CURB & GUTTER, GA STD. 9032B, TP 2
- (I) CONCRETE SIDEWALK, 4 IN
- (K) CONCRETE MEDIAN WITH TYPE 7 FACE, 7'*2 IN, COLORED & STAMPED
- (L) PLAIN PC CONC PVMT, CL 3 CONC, 10" THK, COLORED & STAMPED (SEE DETAIL ON DWG NO 5-0002)
- (M) CONCRETE HEADER CURB, 4 IN, TP 9
- (N) CONCRETE HEADER CURB, 6 IN, TP 7

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REVISION DATES

TYPICAL SECTIONS
WINDSOR PARKWAY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

SUMMARY OF QUANTITIES

SUMMARY OF PAVEMENT QUANTITIES	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	GR AGGR BASE CRS, INCL MATL	TACK COAT
LOCATION	TN	TN	TN	TN	GAL
WINDSOR PKWY / OSBORNE RD	300	300	600	1480	300

CLASS A CONCRETE, INCL REINF STEEL
TOTAL 7 CY
* TURN-UP SIDEWALK WALL. SEE 5-0001

EARTHWORK (FOR INFORMATION ONLY)
UNCLASSIFIED = 1630 CY
EMBANKMENT = 550 CY

TRAFFIC CONTROL
LUMP SUM

CONCRETE HEADER CURB, 6 IN, TP 7
TOTAL 230 LF

GRADING COMPLETE
LUMP SUM
* INCLUDES CLEARING AND GRUBBING

CONC MEDIAN 7 1/2 IN
TOTAL 170 SY

MISCELLANEOUS LANDSCAPING
LUMP SUM
* TO BE USED AS DIRECTED BY ENGINEER

AGGR SURF CRS
TOTAL 100 TN
* TO BE USED AS DIRECTED BY ENGINEER

CONCRETE HEADER CURB, 4 IN, TP 9
TOTAL 230 LF

PLAIN PC CONC PVMT, CL3 CONC, 10 IN
TOTAL 280 SY

CONC CURB & GUTTER, 8 IN X 30IN, TP 2
TOTAL 1300 LF

UNDDR PIPE INCL DRAINAGE AGGR, 6 IN
TOTAL 300 LF
* TO BE USED AS DIRECTED BY ENGINEER

CONC. SIDEWALK, 4 IN
TOTAL 570 SY

CLASS A CONCRETE, INCL REINF STEEL
TOTAL 15 CY
* LIGHTING

CONC. SIDEWALK, 8 IN
TOTAL 10 SY

STRUCTURE NUMBER	ALLOWABLE PIPE MATERIALS: SEE GENERAL NOTES (DWG NO. 4-01) FOR ALLOWABLE PIPE MATERIALS			CATCH BASINS & DROP INLETS GP 1								RECOSTRUCT CATH BASIN
				GA. STD. 1019-B TP V-1		GA. STD. 9031-S		GA. STD. 1033D				
	LOCATION			FEET				6' 0" OR LESS	ADDL DEPTH	6' 0" OR LESS	ADDL DEPTH	6' 0" OR LESS	ADDL DEPTH	
	ROAD	STA	SIDE	STORM DRAIN 12"	STORM DRAIN 18"	STORM DRAIN 18"								
				H 1-10	H 1-10	H 10-15		EA	LF	EA	LF	EA	LF	EA
A-7	OSBORNE RD	41+70	LT		52			1						
A-6	OSBORNE RD	41+65	RT		48			1						
A-5	WINDSOR PKWY	20+89	RT		42			1						
A-5.1	WINDSOR PKWY	21+17	RT		28			1						
A-4	WINDSOR PKWY	20+77	LT		68			1						
A-3	OSBORNE RD	30+60	RT		68					1				
A-2	OSBORNE RD	31+19	RT		80							1		
A-1	OSBORNE RD	31+98	RT		35					1				
A-0	OSBORNE RD	32+34	RT					1	1					
A-0.1	OSBORNE RD	32+25	LT		22									1
B-1	WINDSOR PKWY	21+81	RT		45									1
B-0	WINDSOR PKWY	21+50	LT									1	2	
As Directed by Engineer														
TOTALS				0	488	0		6	1	2	0	2	2	2

SUMMARY OF DRIVEWAY QUANTITIES				RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	GR AGGR BASE CRS, INCL MATL	TACK COAT	CONC VALLEY GUTTER, 6 IN	CONC VALLEY GUTTER, 8 IN	DRIVWAY CONC, 6 IN	DRIVWAY CONC, 8IN
LOCATION	TYPE	MATL	WIDTH	TN	TN	TN	GAL	SY	SY	SY	SY
WINDSOR PKWY STA. 11+08, LT	COMM	ASPH	46	10	10	40	10				
WINDSOR PKWY STA. 11+16, RT	RES	CONC	18					20		70	
WINDSOR PKWY STA. 11+49, LT	COMM	CONC	16						15		25
WINDSOR PKWY STA. 21+31, LT	COMM	CONC	15						15		5
OSBORNE RD STA. 30+84, LT	COMM	CONC	16						15		30
OSBORNE RD STA. 31+31, LT	COMM	CONC	40						30		100
OSBORNE RD STA. 31+43, RT	RES	CONC	16					15		35	
OSBORNE RD STA. 32+15, RT	RES	CONC	16					15		20	
TOTAL				10	10	40	10	50	75	125	160

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REVISION DATES
10/16/19

SUMMARY QUANTITIES
WINDSOR PARKWAY AT OSBORNE ROAD

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

DRAWING No. 06-0001

10/23/2015 GPLN

SUMMARY OF QUANTITIES

	PERMANENT EROSION CONTROL ITEMS		
700-7000	AGRICULTURAL LIME	TN	1
700-8000	FERTILIZER MIXED GRADE	TN	1
700-8100	FERTILIZER NITROGEN CONTENT	LB	12
700-9300	SOD	SY	1930
711-0100	TURF REINFORCING MATTING, TP 1	SY	50
716-2000	EROSION CONTROL MATS, SLOPES	SY	40

	TEMPORARY EROSION CONTROL ITEMS		
161-1000	EROSION CONTROL PROJECT NO. -	LS	0
163-0232	TEMPORARY GRASSING	AC	1
163-0240	MULCH	TN	39
163-0300	CONSTRUCTION EXIT	EA	1
163-0527	CONSTRUCT AND REMOVE RIP RAP CHECK DAM, STONE PLAIN RIP RAP/SAND BAGS	EA	3
163-0550	CONSTRUCT, MAINT., & REMOVE INLET SEDIMENT TRAP	EA	13
165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LF	250
165-0041	MAINTENANCE OF CHECK DAMS - ALL TYPES	LF	60
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	1
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	13
167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	2
167-1500	WATER QUALITY INSPECTIONS	MO	0
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	500

	SIGNING & MARKING ITEMS		
610-9001	REM SIGN	EA	6
611-5551	RESET SIGN	EA	6
636-2070	GALV STEEL POSTS, TP 7	LF	250
636-2090	GALV STEEL POSTS, TP 9	LF	60
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	70
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	50
653-0296	THERMOPLASTIC PVMT MARKING, WORD, TP 15	EA	4
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	1,050
653-4830	THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	GLF	110
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	80
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	1,450
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	820
654-1001	RAISED PVMT MARKERS, TP 1	EA	30
632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	EA	5

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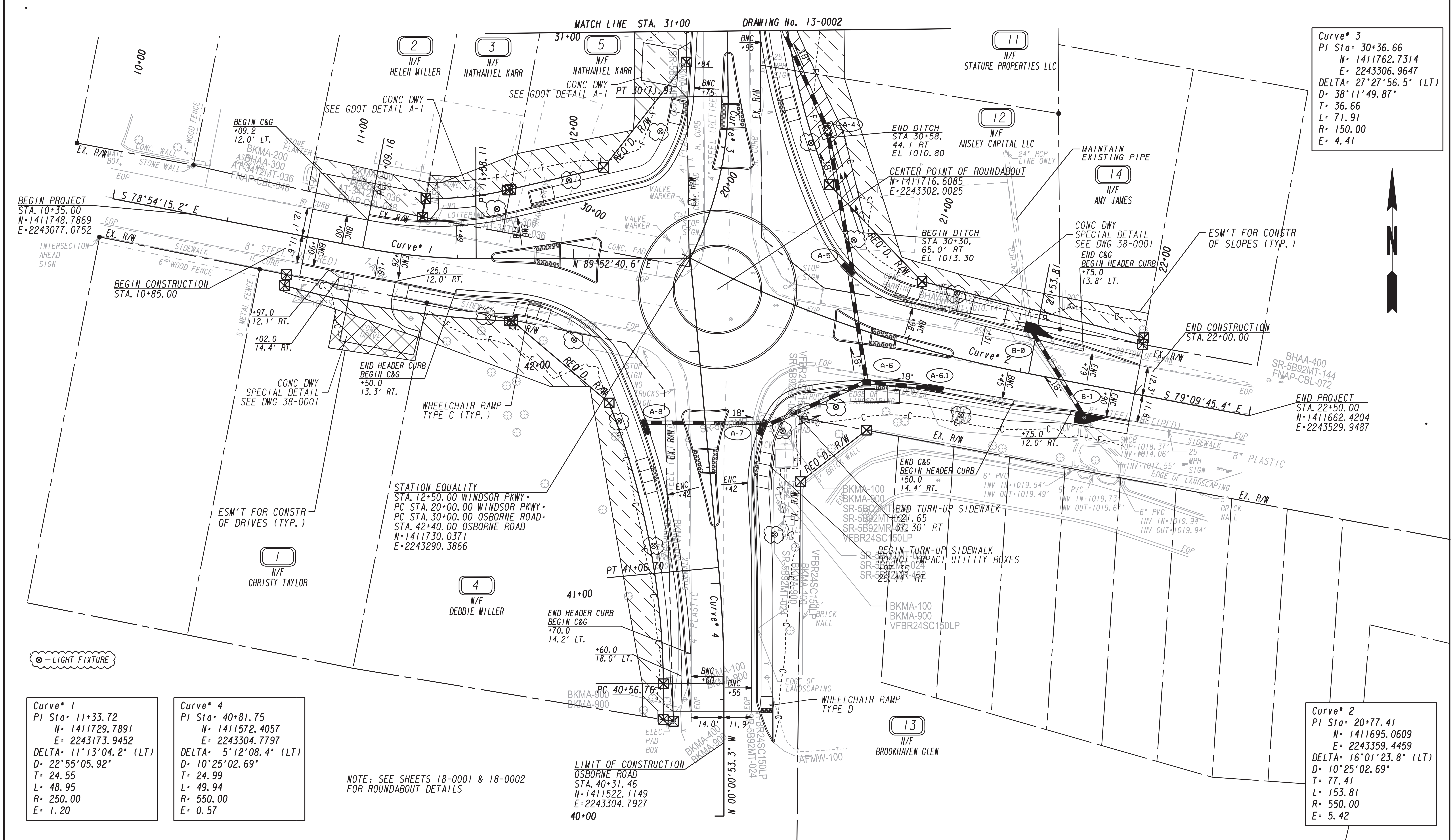
REVISION DATES
10/16/19
12/16/19
1/9/2020

SUMMARY QUANTITIES
WINDSOR PARKWAY AT OSBORNE ROAD

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

DRAWING No. 06-0002

10/23/2015 GPLN


MATCH LINE STA. 31+00
DRAWING No. 13-0002
BEGIN PROJECT
STA. 10+35.00
N=1411748.7869
E=2243077.0752
S 78°54'15.2" E
BEGIN CONSTRUCTION
STA. 10+85.00
N 89°52'40.6" E
CENTER POINT OF ROUNDABOUT
N=1411716.6085
E=2243302.0025
MAINTAIN EXISTING PIPE
END DITCH
STA 30+58.
44.1 RT
EL 1010.80
BEGIN DITCH
STA 30+30.
65.0' RT
EL 1013.30
ESM'T FOR CONSTR OF SLOPES (TYP.)
END CONSTRUCTION
STA. 22+00.00
END PROJECT
STA. 22+50.00
N=1411662.4204
E=2243529.9487
S 79°09'45.4" E
STATION EQUALITY
STA. 12+50.00 WINDSOR PKWY =
PC STA. 20+00.00 WINDSOR PKWY =
PC STA. 30+00.00 OSBORNE ROAD =
STA. 42+40.00 OSBORNE ROAD
N=1411730.0371
E=2243290.3866
ESM'T FOR CONSTR OF DRIVES (TYP.)
WHEELCHAIR RAMP TYPE C (TYP.)
WHEELCHAIR RAMP TYPE D
END TURN-UP SIDEWALK
BEGIN TURN-UP SIDEWALK
DO NOT IMPACT UTILITY BOXES
LIMIT OF CONSTRUCTION
OSBORNE ROAD
STA. 40+31.46
N=1411522.1149
E=2243304.7927
N 53.3° W 53.00.00
⊗ – LIGHT FIXTURE
N/F HELEN MILLER
N/F NATHANIEL KARR
N/F STATURE PROPERTIES LLC
N/F ANSLEY CAPITAL LLC
N/F AMY JAMES
N/F CHRISTY TAYLOR
N/F DEBBIE MILLER
N/F BROOKHAVEN GLEN
NOTE: SEE SHEETS 18-0001 & 18-0002 FOR ROUNDABOUT DETAILS

Curve# 1	
PI Sta=	11+33.72
N=	1411729.7891
E=	2243173.9452
DELTA=	11°13'04.2" (LT)
D=	22°55'05.92"
T=	24.55
L=	48.95
R=	250.00
E=	1.20

Curve# 4	
PI Sta=	40+81.75
N=	1411572.4057
E=	2243304.7797
DELTA=	5°12'08.4" (LT)
D=	10°25'02.69"
T=	24.99
L=	49.94
R=	550.00
E=	0.57

Curve# 3	
PI Sta=	30+36.66
N=	1411762.7314
E=	2243306.9647
DELTA=	27°27'56.5" (LT)
D=	38°11'49.87"
T=	36.66
L=	71.91
R=	150.00
E=	4.41

Curve# 2	
PI Sta=	20+77.41
N=	1411695.0609
E=	2243359.4459
DELTA=	16°01'23.8" (LT)
D=	10°25'02.69"
T=	77.41
L=	153.81
R=	550.00
E=	5.42

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)

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
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SCALE IN FEET
0 20 40 80

REVISION DATES
8/15/19

CONSTRUCTION PLAN
WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No. 13-0001

10/23/2015 GPLN

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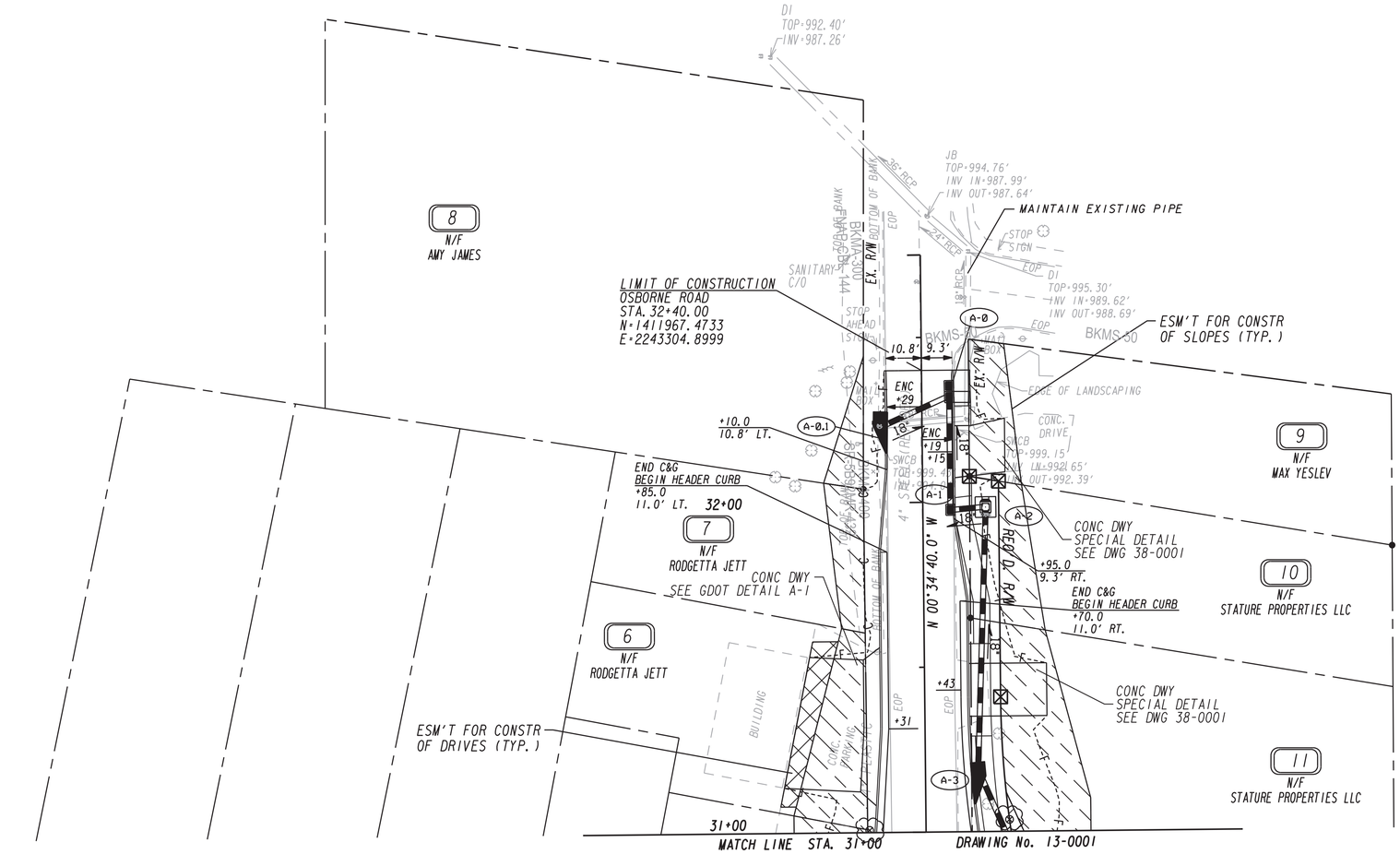

⊗ — LIGHT FIXTURE

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)

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(770) 263-9118

SCALE IN FEET
0 20 40 80

REVISION DATES
8/15/19

CONSTRUCTION PLAN
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		13-0002
VERIFIED:		DATE:		

10/23/2015 GPLN

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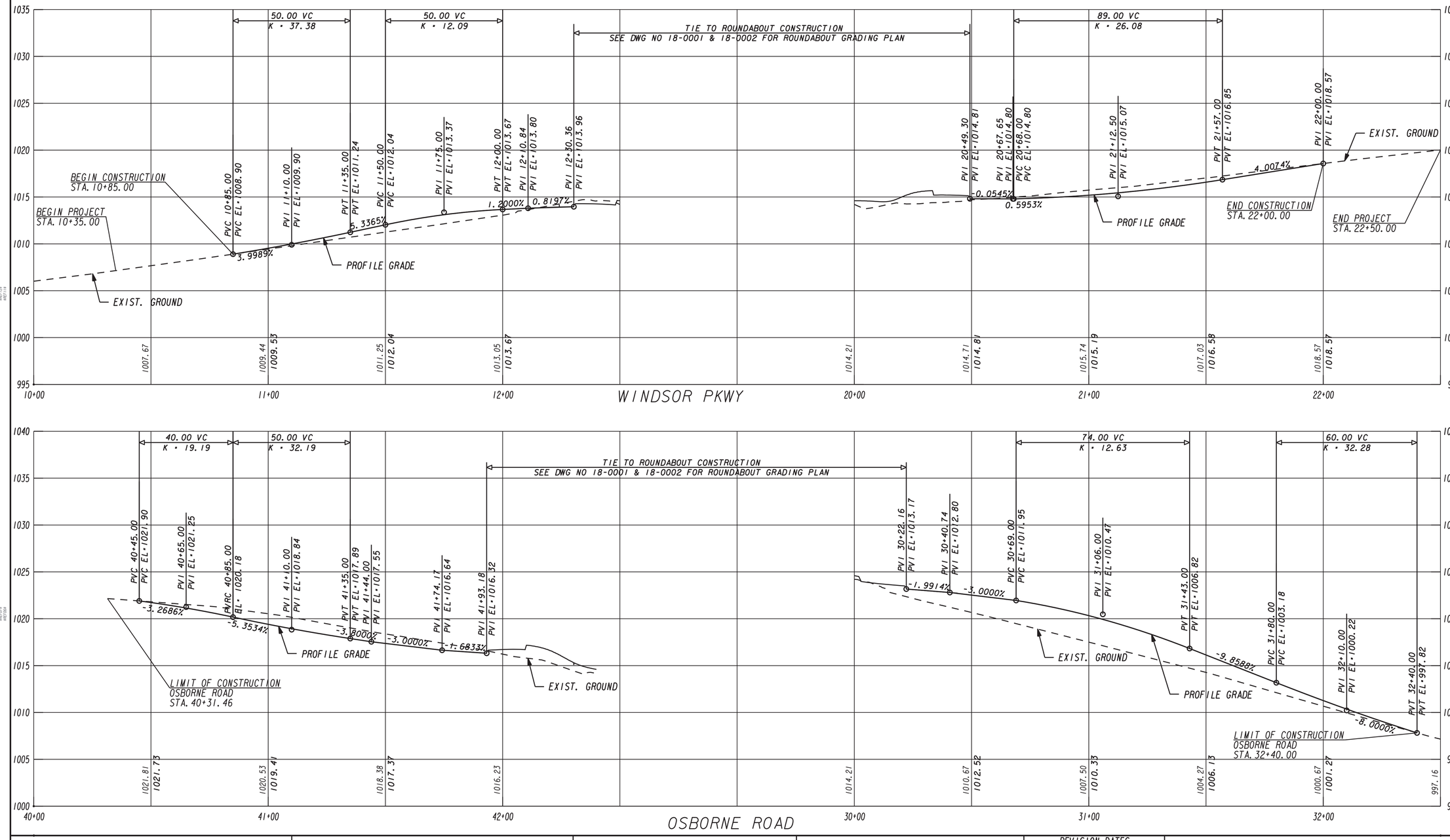

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(770) 263-9118

SCALE : 1" = 20' HORIZ.
1" = 5' VERT.

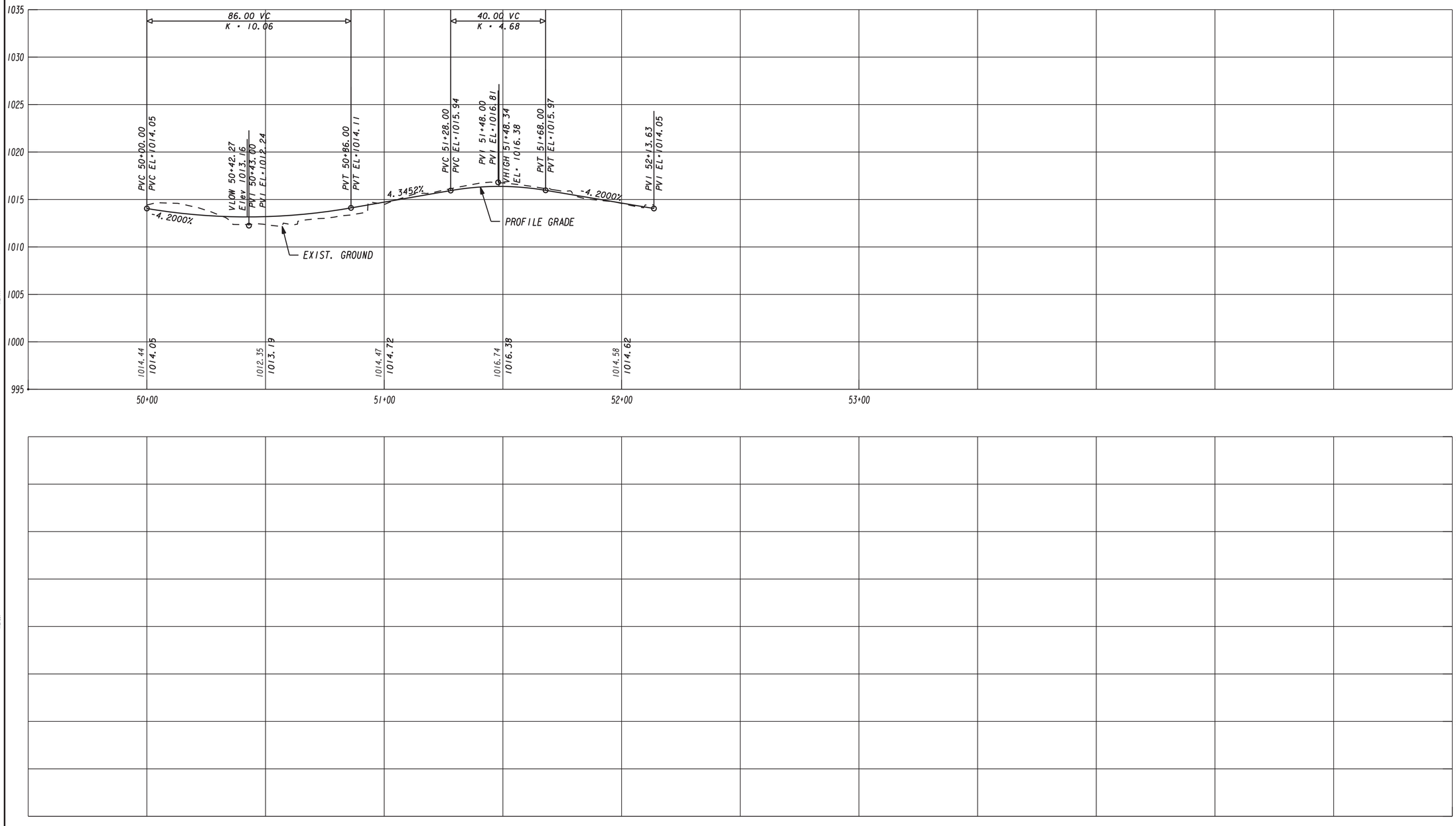
REVISION DATES

MAINLINE PROFILE
WINDSOR PKWY AND OSBORNE ROAD

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

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070



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(770) 263-9118

SCALE : 1" = 20' HORIZ.
1" = 5' VERT.

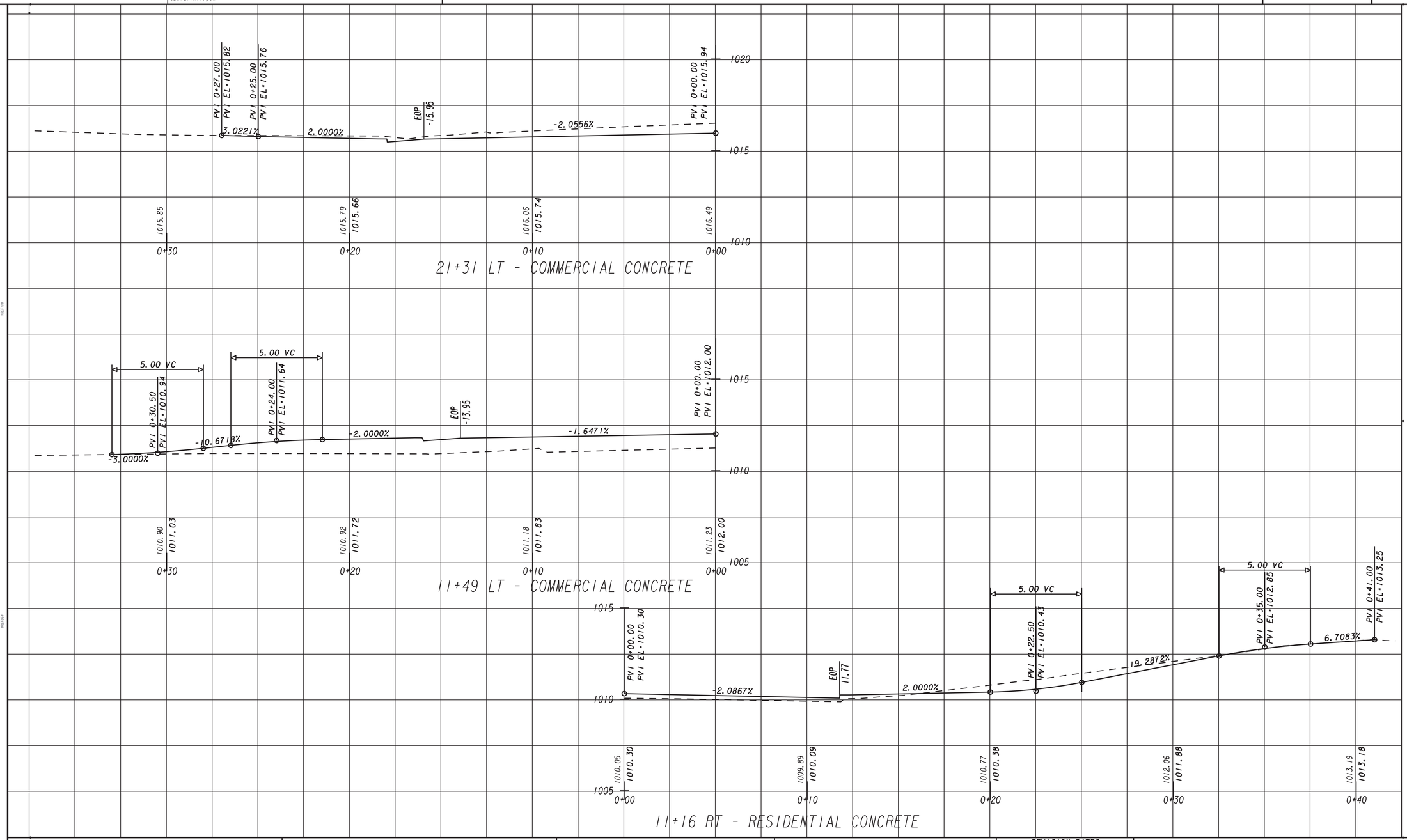
REVISION DATES		

CROSSROAD PROFILE
ROUNDABOUT

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

DRAWING No. 16-0001

10/23/2015 GPLN



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(770) 263-9118

SCALE : 1" = 5' HORIZ.
1" = 5' VERT.

REVISION DATES

DRIVEWAY PROFILE

WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No.
17-0001

10/23/2015 GPLN

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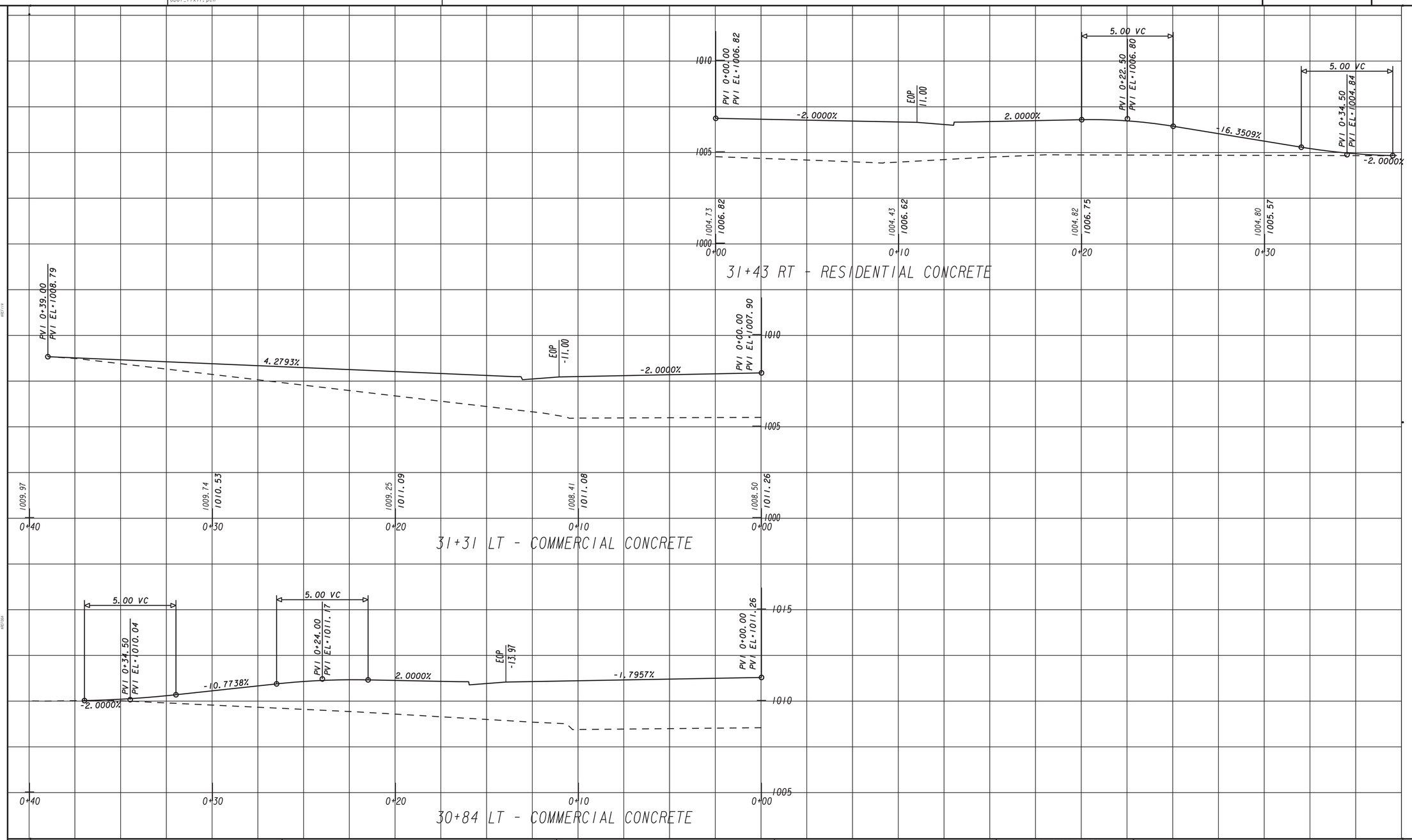

10/23/2015 GPLN

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SCALE : 1" = 5' HORIZ.
1" = 5' VERT.

REVISION DATES

DRIVEWAY PROFILE

WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		17-0002
VERIFIED:		DATE:		

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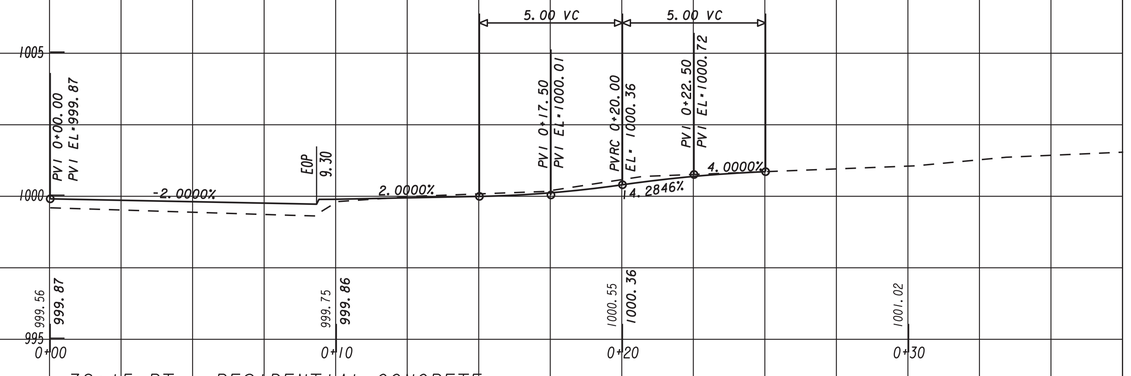

32+15 RT - RESIDENTIAL CONCRETE

10/23/2015 GPLN

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420 TECHNOLOGY PARKWAY, STE. 150
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SCALE : 1" = 5' HORIZ.
1" = 5' VERT.

REVISION DATES

DRIVEWAY PROFILE

WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No.
17-0003

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Ben.Clopper

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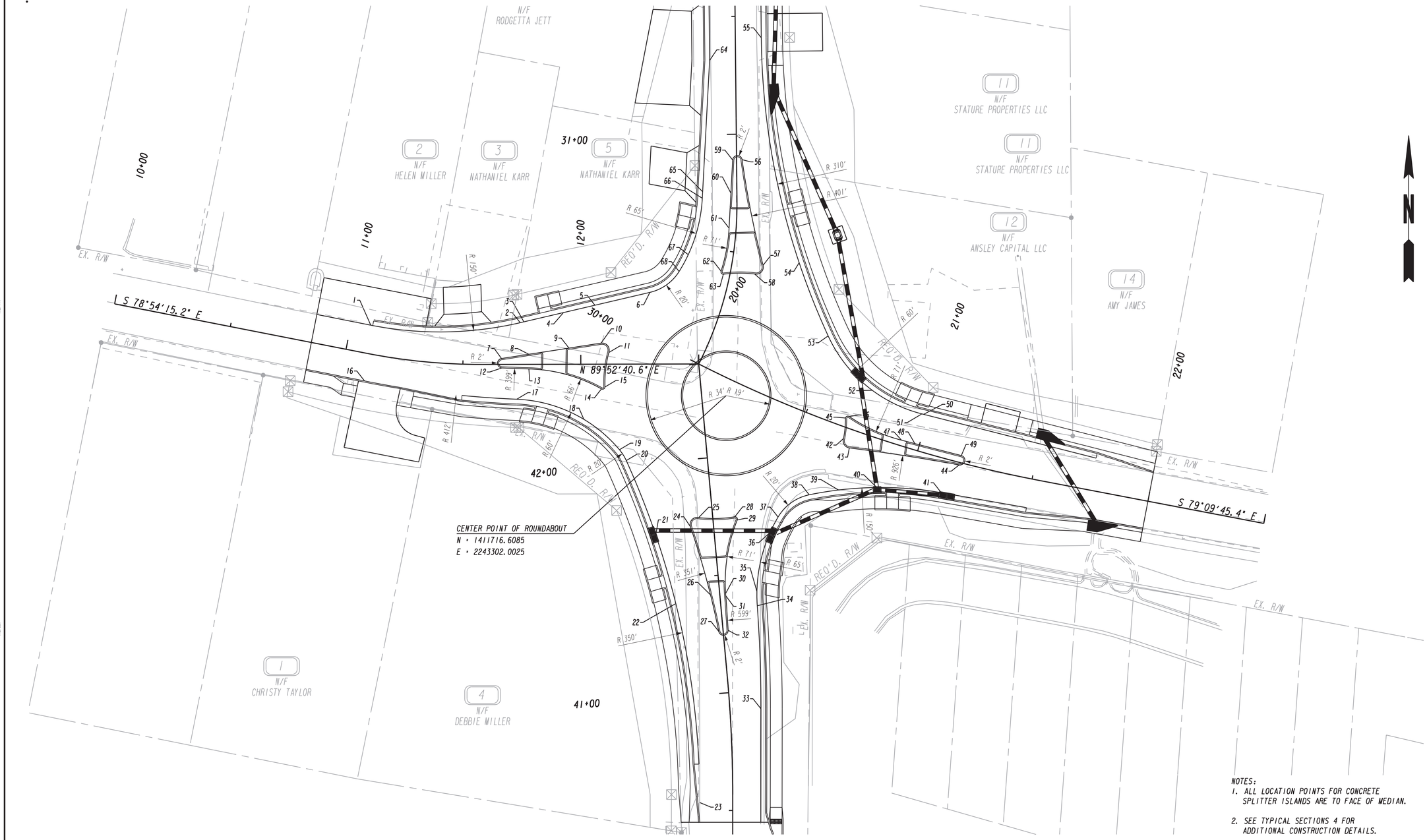

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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)

Michael Baker
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420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

SCALE IN FEET
0 20 40 80

REVISION DATES

SPECIAL GRADING
WINDSOR PKWY AT ORBORNE ROAD

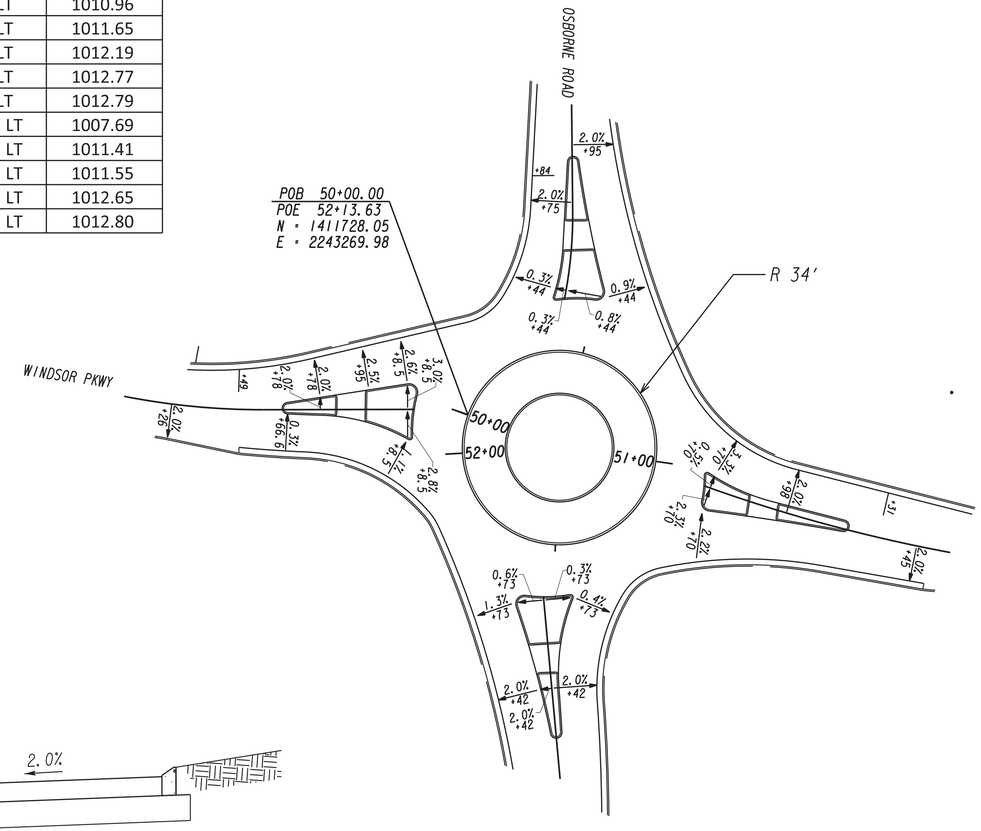
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		18-0001
VERIFIED:		DATE:		

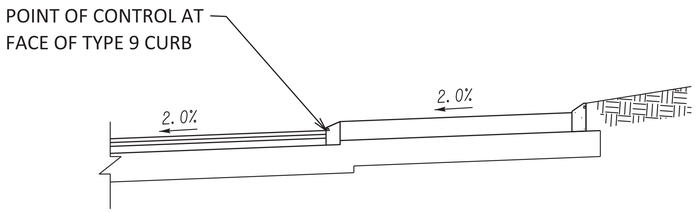
10/23/2015 GPLN

PT #	ALIGNMENT	STATION	OFFSET	ELEVATION
1	WINDSOR PKWY	11+08.30	12.04' LT	1009.67
2	WINDSOR PKWY	11+74.35	17.68' LT	1012.80
3	WINDSOR PKWY	11+75.90	18.04' LT	1012.84
4	WINDSOR PKWY	11+92.70	21.93' LT	1013.04
5	WINDSOR PKWY	12+06.04	25.01' LT	1013.08
6	WINDSOR PKWY	12+29.35	30.41' LT	1013.01
7	WINDSOR PKWY	11+66.38	2.49' LT	1012.75
8	WINDSOR PKWY	11+78.00	4.26' LT	1013.12
9	WINDSOR PKWY	11+95.00	6.85' LT	1013.42
10	WINDSOR PKWY	12+08.61	8.93' LT	1013.50
11	WINDSOR PKWY	12+11.88	4.92' LT	1013.65
12	WINDSOR PKWY	11+66.58	1.49' RT	1012.81
13	WINDSOR PKWY	11+77.98	1.95' RT	1013.23
14	WINDSOR PKWY	12+08.74	10.47' RT	1014.06
15	WINDSOR PKWY	12+10.23	9.67' RT	1014.09
16	WINDSOR PKWY	11+10.23	11.68' RT	1009.77
17	WINDSOR PKWY	11+72.81	14.79' RT	1013.13
18	WINDSOR PKWY	12+01.21	23.35' RT	1014.23
19	OSBORNE ROAD	42+06.84	36.78' LT	1015.04
20	OSBORNE ROAD	42+02.00	34.32' LT	1015.25
21	OSBORNE ROAD	41+69.38	24.75' LT	1016.42
22	OSBORNE ROAD	41+39.69	18.92' LT	1017.24
23	OSBORNE ROAD	40+53.38	13.97' LT	1021.33
24	OSBORNE ROAD	41+71.57	9.78' LT	1016.65
25	OSBORNE ROAD	41+75.14	5.94' LT	1016.60
26	OSBORNE ROAD	41+42.00	3.92' LT	1017.54
27	OSBORNE ROAD	41+26.26	1.85' LT	1018.19
28	OSBORNE ROAD	41+74.08	9.36' RT	1016.64
29	OSBORNE ROAD	41+72.63	10.24' RT	1016.66
30	OSBORNE ROAD	41+42.00	2.49' RT	1017.57
31	OSBORNE ROAD	41+41.08	2.47' RT	1017.61
32	OSBORNE ROAD	41+26.40	2.13' RT	1018.18
33	OSBORNE ROAD	40+92.30	13.18' RT	1019.50
34	OSBORNE ROAD	41+35.61	15.39' RT	1017.55
35	OSBORNE ROAD	41+41.69	15.79' RT	1017.30
36	OSBORNE ROAD	41+66.13	23.68' RT	1016.59
37	OSBORNE ROAD	41+72.29	27.59' RT	1016.38
38	WINDSOR PKWY	20+63.29	32.19' RT	1015.81
39	WINDSOR PKWY	20+73.76	26.08' RT	1015.40
40	WINDSOR PKWY	20+88.25	19.93' RT	1015.22
41	WINDSOR PKWY	21+14.26	14.38' RT	1015.44
42	WINDSOR PKWY	20+68.64	4.74' RT	1014.93
43	WINDSOR PKWY	20+72.24	7.70' RT	1015.00
44	WINDSOR PKWY	21+18.58	0.98' RT	1015.59
45	WINDSOR PKWY	20+66.48	3.69' LT	1014.70
46	WINDSOR PKWY	20+67.73	4.82' LT	1014.71
47	WINDSOR PKWY	20+92.13	2.35' LT	1015.02
48	WINDSOR PKWY	20+98.00	2.61' LT	1015.10
49	WINDSOR PKWY	21+18.43	3.01' LT	1015.53
50	WINDSOR PKWY	20+98.00	15.57' LT	1014.85

PT #	ALIGNMENT	STATION	OFFSET	ELEVATION
51	WINDSOR PKWY	20+97.20	15.54' LT	1014.84
52	WINDSOR PKWY	20+73.36	18.57' LT	1014.31
53	WINDSOR PKWY	20+46.46	33.58' LT	1013.57
54	OSBORNE ROAD	30+49.37	28.10' RT	1012.69
55	OSBORNE ROAD	31+40.80	11.00' RT	1006.82
56	OSBORNE ROAD	30+89.20	2.33' RT	1010.94
57	OSBORNE ROAD	30+46.40	13.14' RT	1012.72
58	OSBORNE ROAD	30+42.47	10.24' RT	1012.84
59	OSBORNE ROAD	30+89.07	1.65' LT	1010.96
60	OSBORNE ROAD	30+75.00	2.53' LT	1011.65
61	OSBORNE ROAD	30+59.96	3.00' LT	1012.19
62	OSBORNE ROAD	30+40.97	3.95' LT	1012.77
63	OSBORNE ROAD	30+39.85	2.73' LT	1012.79
64	OSBORNE ROAD	31+31.42	11.00' LT	1007.69
65	OSBORNE ROAD	30+75.75	14.51' LT	1011.41
66	OSBORNE ROAD	30+73.01	14.68' LT	1011.55
67	OSBORNE ROAD	30+45.70	18.89' LT	1012.65
68	OSBORNE ROAD	30+36.75	21.31' LT	1012.80

ROUNDABOUT HORIZONTAL AND VERTICAL CONTROL





ROUNDABOUT POINT OF CONTROL POINT STA. 52+02.10=
WINDSOR PKWY STA. 12+30.36, 0.00'

CENTRAL ISLAND RADIUS = 34.00'

SEE SHEET 16-001 FOR VERTICAL CONTROL OF CENTRAL ISLAND

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REVISION DATES

SPECIAL GRADING

WINDSOR PKWY AT ORBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		18-0002
VERIFIED:		DATE:		

4/28/2016 GPLN

30-JUL-2019 09:42 9:42:13 AM
Ben.Clopper

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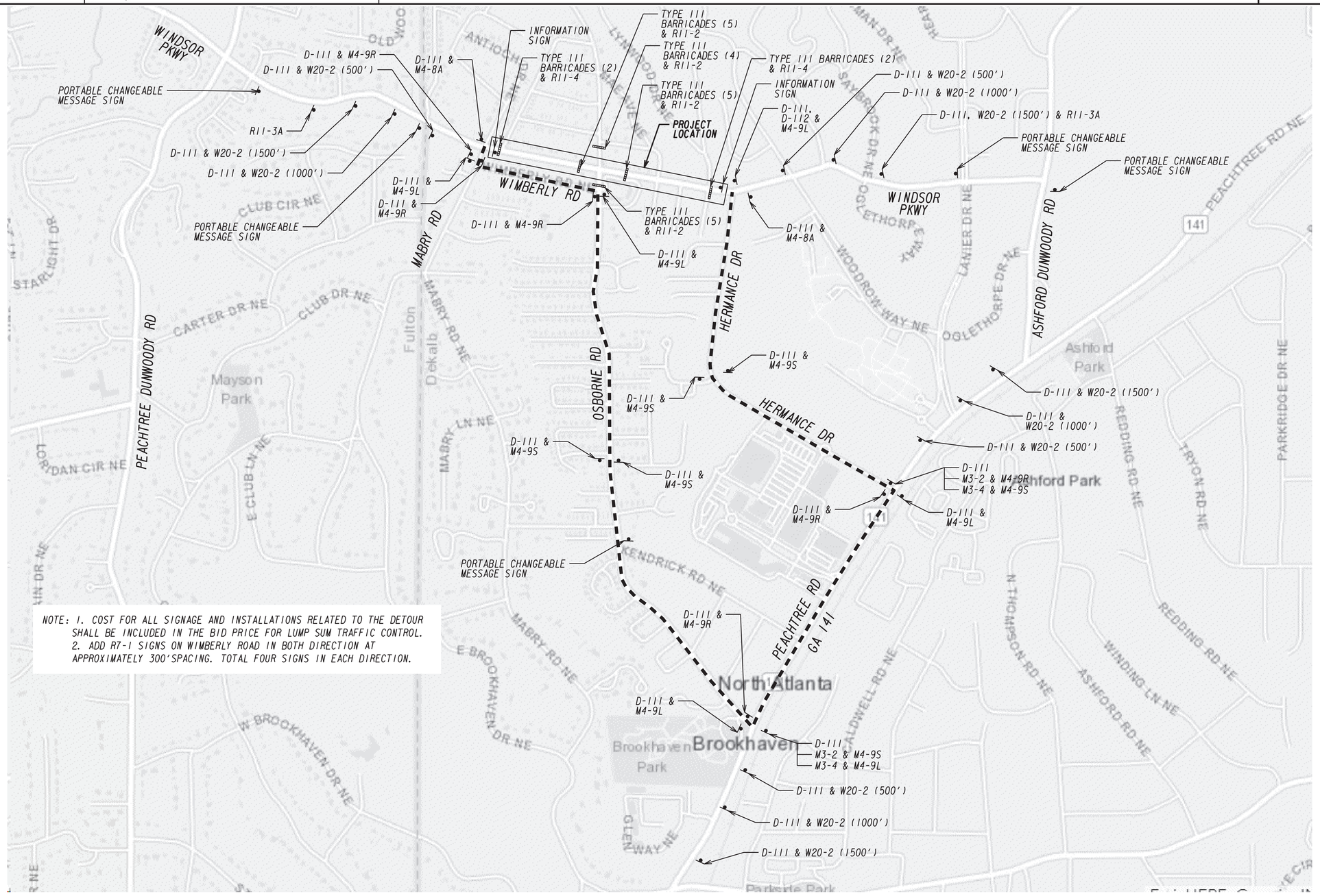

NOTE: 1. COST FOR ALL SIGNAGE AND INSTALLATIONS RELATED TO THE DETOUR SHALL BE INCLUDED IN THE BID PRICE FOR LUMP SUM TRAFFIC CONTROL.
2. ADD R7-1 SIGNS ON WIMBERLY ROAD IN BOTH DIRECTION AT APPROXIMATELY 300' SPACING. TOTAL FOUR SIGNS IN EACH DIRECTION.

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REVISION DATES

STAGING DETAILS

DETOUR PLAN

WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		20-0001
VERIFIED:		DATE:		

GENERAL NOTES FOR DETOUR SIGNING PLAN

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).

2. ALL SIGNS SHALL HAVE HIGH INTENSITY GRADE SHEETING.

3. IN RESIDENTIAL AREAS, SIGNS SHALL BE LOCATED ON, OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.

4. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED OR STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES. DETOUR AND OTHER CLOSURE SIGNS/DEVICES SHALL BE INSTALLED SO AS TO NOT BLOCK SIGHT OF EXISTING TRAFFIC SIGNS.

5. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO DRIVEWAYS AT ALL TIMES.

6. ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET(S) THAT THE DETOUR ROUTE SERVES. THESE BLADES SHALL HAVE 4" SERIES 'B' UPPER AND LOWER CASE LETTERING, AND SHALL BE "BLACK ON ORANGE".

7. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS TO NOT INTERFERE WITH SIGHT DISTANCES FROM ANY ADJACENT SIDE ROAD OR DRIVEWAY.

8. REFLECTORIZED TYPE 3 BARRICADES SHALL BE USED AT THE ACTUAL LOCATION OF TOTAL STREET CLOSURE. EACH BARRICADE SHALL HAVE ONE R11-2 (ROAD CLOSED) SIGN PLACED ADJACENT TO IT.

9. ALL SIGN POST SHALL BE TYPE 7, 8 OR 9 SQUARE TUBE POST WITH MINIMUM HEIGHT OF 7' FROM EXISTING GROUND TO BOTTOM OF SIGN. SEE GDOT DETAIL T-3A FOR ADDITIONAL INFORMATION.

10. ALL SIGN POST ALONG SR 141 SHALL BE TYPE 7 OR 9 SQUARE TUBE POST (2 POST) WITH MINIMUM HEIGHT OF 7' FROM EXISTING GROUND TO BOTTOM OF SIGN. SEE GDOT DETAIL T-3A FOR ADDITIONAL INFORMATION.

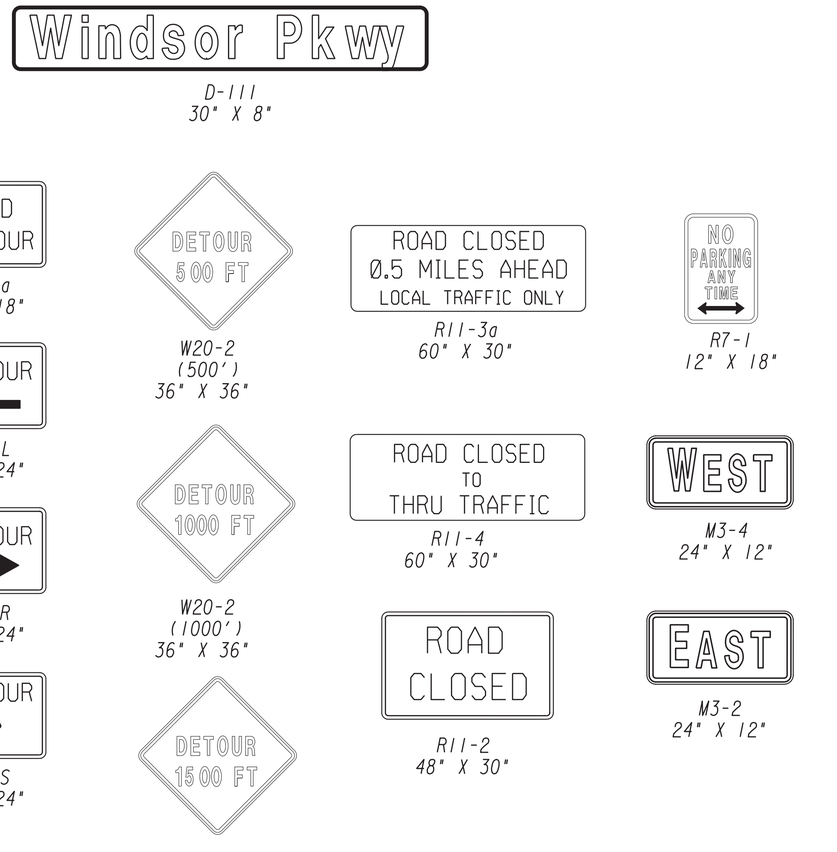
11. CONTRACTOR TO COORDINATE WITH THE CITY FOR THE INFORMATION AND SCHEDULE FOR THE PORTABLE CHANGEABLE MESSAGE SIGN.

12. INFORMATION SIGNS (INFORMING MOTORISTS OF THE ROAD CLOSURE) SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE POINT OF ROAD CLOSURE OR THE BEGINNING OF THE DETOUR ROUTE, OR AS SHOWN ON APPROVED PLANS (SEE SPECIFICATIONS BELOW):

_____WILL BE
CLOSED TO THRU TRAFFIC
FROM (ROAD) TO (ROAD)_____
(DATE) THRU (DATE)_____
(REASON FOR CLOSURE)_____
FOR INFO CALL _____

(CITY MAY REQUIRE MODIFICATION OF INFORMATION SIGNS AS NEEDED)

THESE SIGNS SHALL BE TYPE 9 REFLECTIVE SHEETING MATERIAL WITH 4" BLACK UPPER AND LOWER CASE LETTERING (SERIES "B" OR WIDER) ON A WHITE BACKGROUND.



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REVISION DATES

STAGING DETAILS

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BACKCHECKED:		DATE:		
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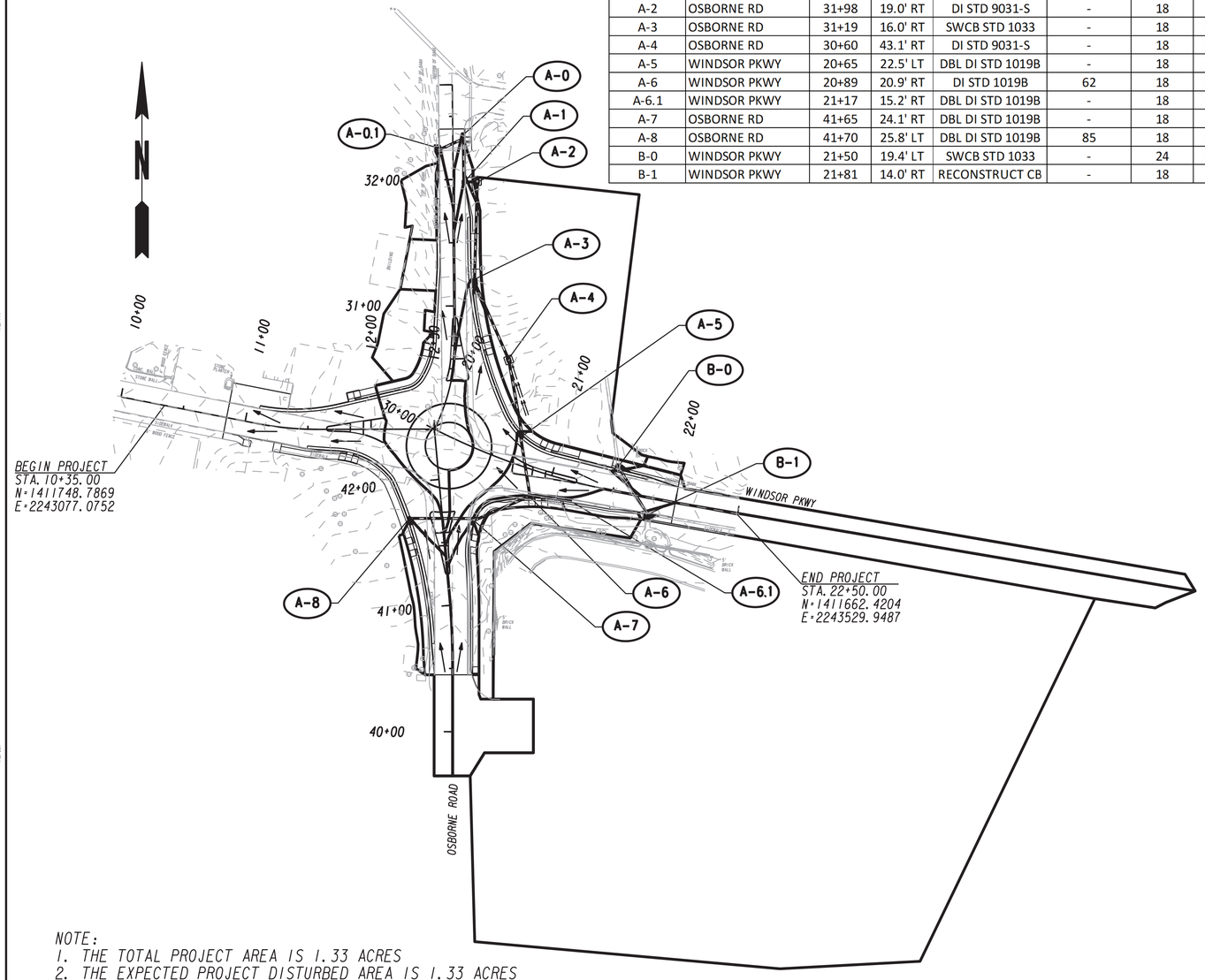
VERIFIED:		DATE:		

10/23/2015 GPLN

LABEL	ROAD NAME	STA	OFFSET (ft)	STRUCTURE TYPE	SKEW ANGLE (degrees)	Pipe Size (in)	POST C	Slope	Q25 (cfs)	Q50 (cfs)	Q100 (cfs)	V50 (fps)	V100 (fps)	DRAINAGE AREA (acres)	DISTURBED AREA (acres)	GUTTER SPREAD 10 YR (ft)
A-0	OSBORNE RD	32+34	8.3' RT	DBL DI STD 1019B	-	18	0.90	5.72%	7.11	7.74	8.38	12.46	12.74	0.01	0.01	1.5
A-0.1	OSBORNE RD	32+25	12.6' LT	RECONSTRUCT CB	72	18	0.68	4.73%	1.65	1.77	1.89	7.69	7.84	0.29	0.26	5.1
A-1	OSBORNE RD	31+98	8.4' RT	DI STD 1019B	-	18	0.90	3.53%	5.41	5.91	6.42	9.70	9.92	0.04	0.04	2.7
A-2	OSBORNE RD	31+98	19.0' RT	DI STD 9031-S	-	18	0.30	1.36%	5.13	5.61	6.10	6.86	7.01	0.41	0.06	FULL CAPTURE
A-3	OSBORNE RD	31+19	16.0' RT	SWCB STD 1033	-	18	0.90	8.93%	4.14	4.53	4.92	12.63	12.93	0.13	0.13	1.9
A-4	OSBORNE RD	30+60	43.1' RT	DI STD 9031-S	-	18	0.30	2.29%	3.17	3.45	3.73	7.22	7.38	0.09	0.05	FULL CAPTURE
A-5	WINDSOR PKWY	20+65	22.5' LT	DBL DI STD 1019B	-	18	0.90	1.29%	2.97	3.23	3.49	5.75	5.87	0.10	0.10	3.1
A-6	WINDSOR PKWY	20+89	20.9' RT	DI STD 1019B	62	18	0.51	5.73%	2.27	2.47	2.68	9.07	9.29	0.05	0.05	1.9
A-6.1	WINDSOR PKWY	21+17	15.2' RT	DBL DI STD 1019B	-	18	0.67	4.39%	0.26	0.29	0.31	4.33	4.43	0.05	0.05	1.4
A-7	OSBORNE RD	41+65	24.1' RT	DBL DI STD 1019B	-	18	0.78	2.08%	1.70	1.81	1.93	5.81	5.91	0.17	0.09	7.0
A-8	OSBORNE RD	41+70	25.8' LT	DBL DI STD 1019B	85	18	0.83	4.35%	0.71	0.77	0.83	5.86	5.99	0.10	0.08	2.0
B-0	WINDSOR PKWY	21+50	19.4' LT	SWCB STD 1033	-	24	0.88	-	10.70	11.11	12.07	11.38	11.65	0.14	0.03	2.2
B-1	WINDSOR PKWY	21+81	14.0' RT	RECONSTRUCT CB	-	18	0.90	1.24%	9.17	10.01	10.87	7.44	7.52	3.27	0.02	5.5



NOTE:
1. THE TOTAL PROJECT AREA IS 1.33 ACRES
2. THE EXPECTED PROJECT DISTURBED AREA IS 1.33 ACRES
3. PEAK DISCHARGES WERE DETERMINED USING THE RATIONAL METHOD.
4. CONSTRUCTION ACTIVITIES CONSIST OF WIDENING AND ADDING A ROUNDABOUT.

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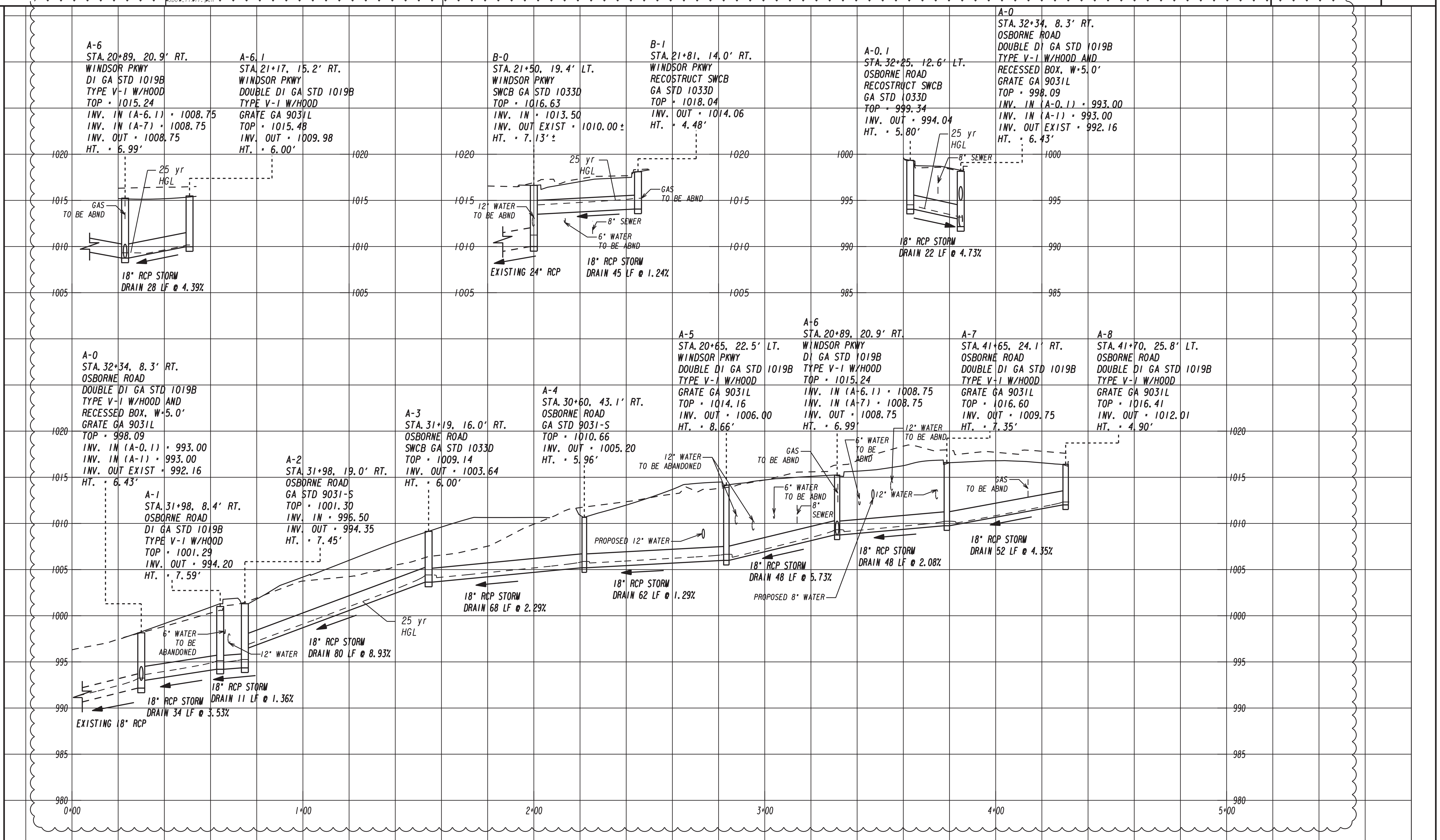
SCALE IN FEET
0 50 100 200

REVISION DATES

DRAINAGE AREA MAP
WINDSOR PKWY AT OSBORNE ROAD

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

10/23/2015 GPLN



REVISION DATES	
10/16/19	
1/9/2020	

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SCALE : 1" = 20' HORIZ.
1" = 5' VERT.

DRAINAGE PROFILES
WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No. 22-0001

09/17/2015 SUXEN

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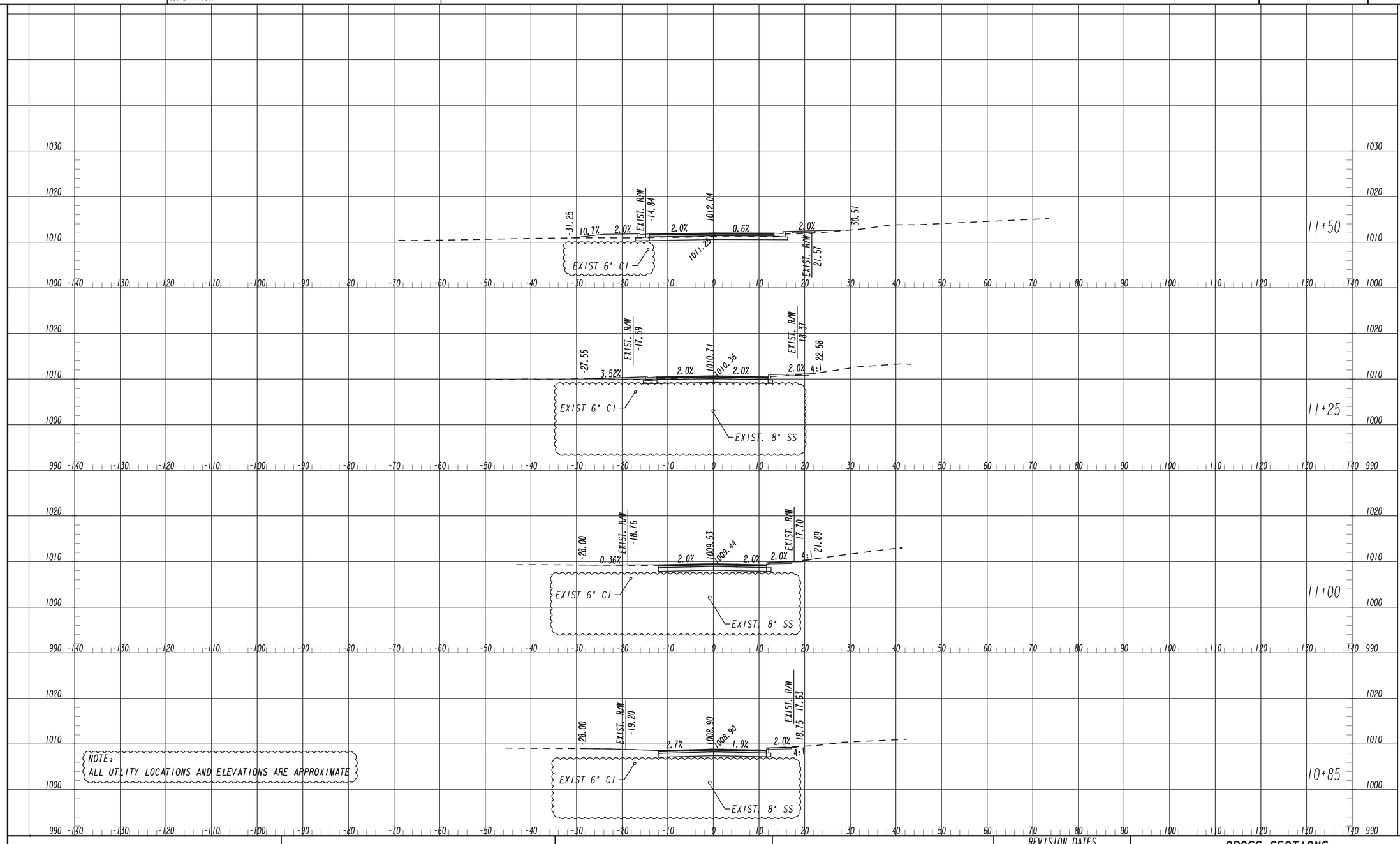

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Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
WINDSOR PARKWAY

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	23-0001
CORRECTED:		DATE:	
VERIFIED:		DATE:	

09/17/2015 SUXEN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

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Ben.Clopper

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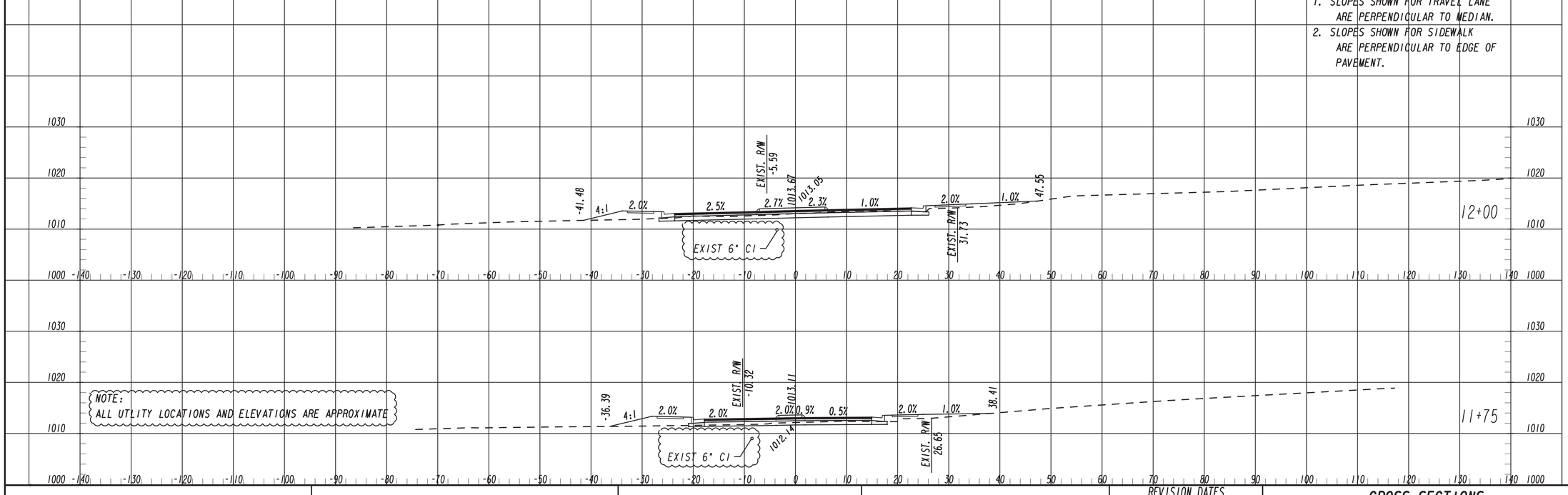
P. I. No.

NOTE:
1. SLOPES SHOWN FOR TRAVEL LANE ARE PERPENDICULAR TO MEDIAN.
2. SLOPES SHOWN FOR SIDEWALK ARE PERPENDICULAR TO EDGE OF PAVEMENT.



09/17/2015 SUKEN

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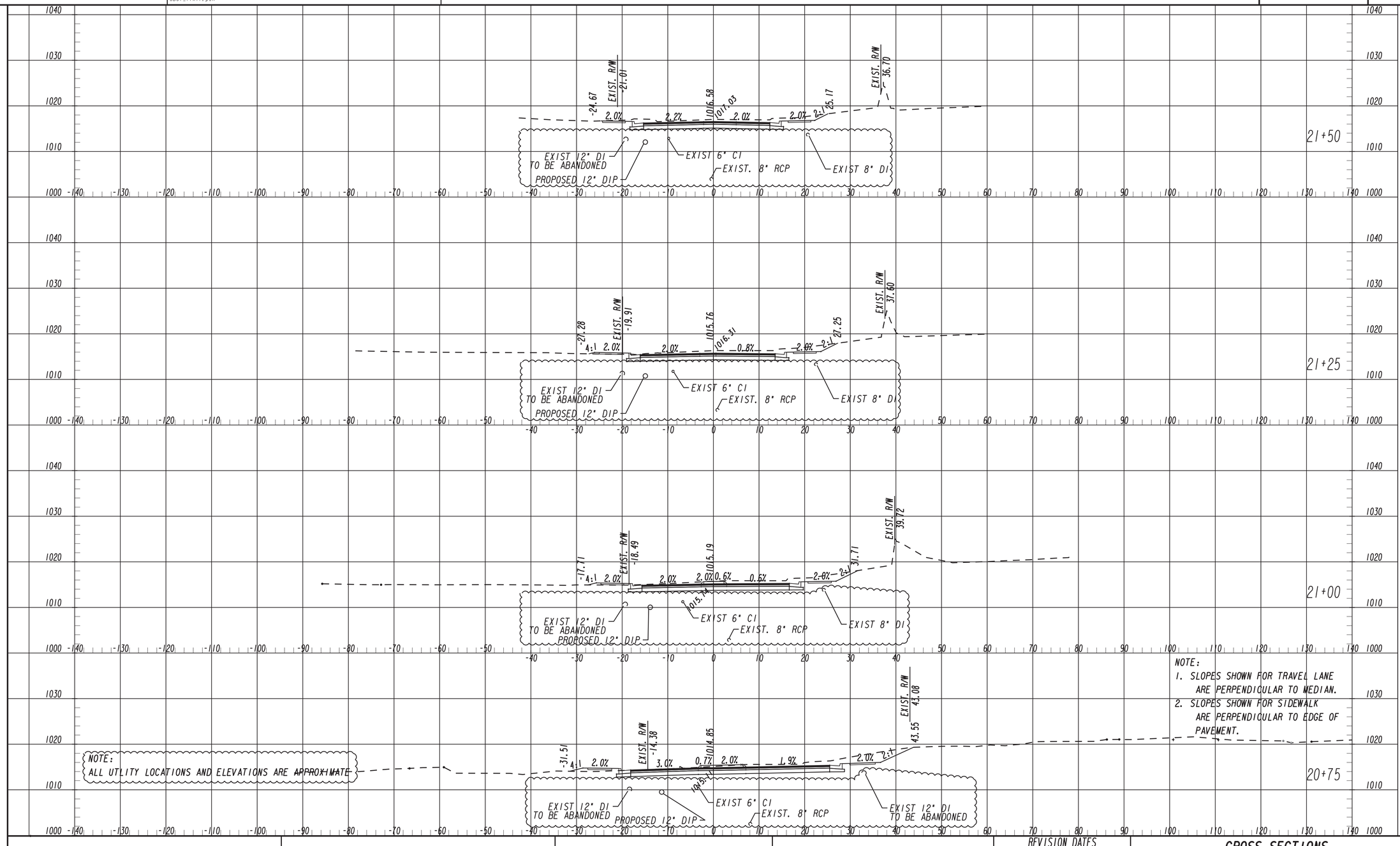
Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
WINDSOR PARKWAY

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	23-0002
CORRECTED:		DATE:	
VERIFIED:		DATE:	



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Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
WINDSOR PARKWAY

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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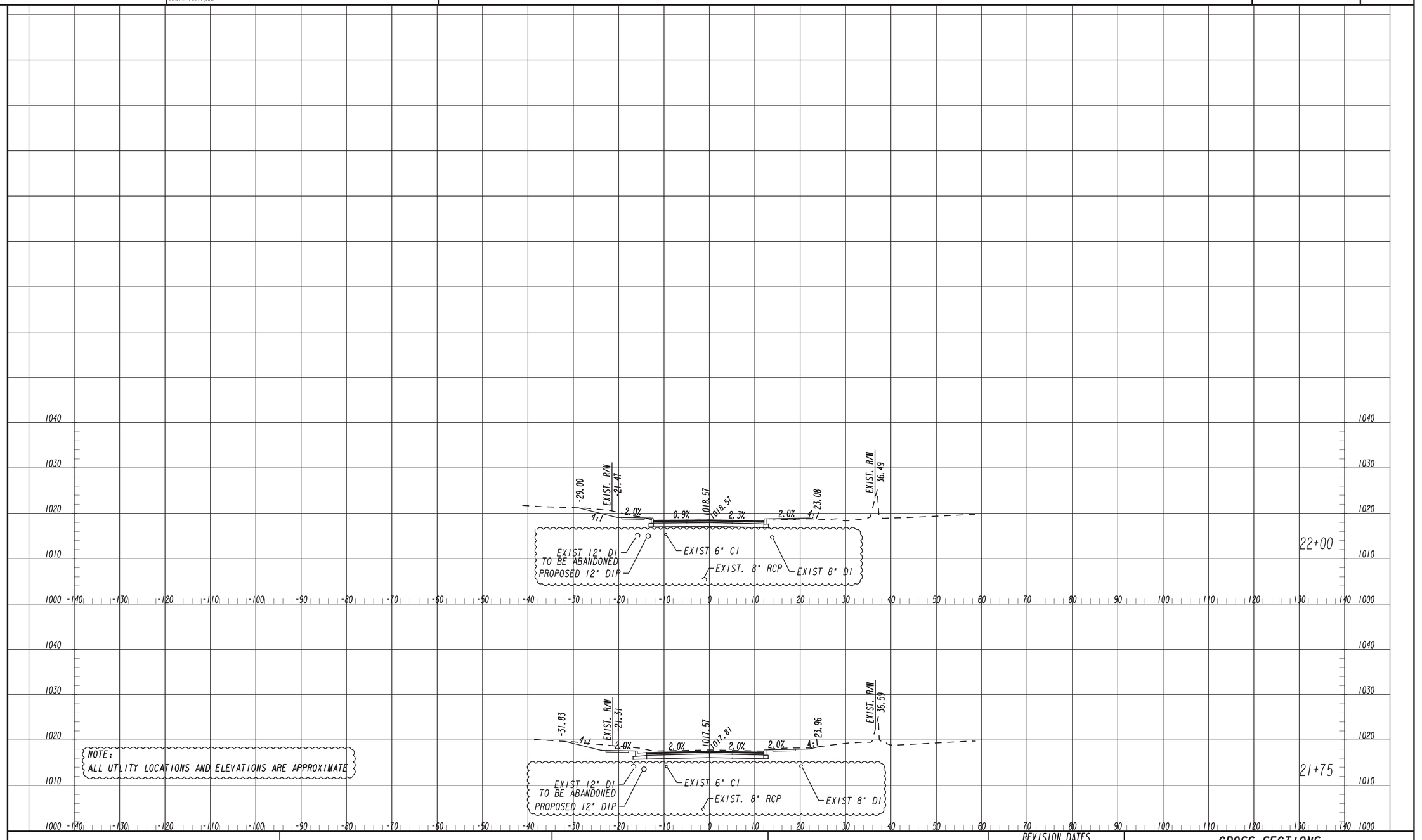

NOTE:
ALL UTILITY LOCATIONS AND ELEVATIONS ARE APPROXIMATE

09/17/2015 SUKEN

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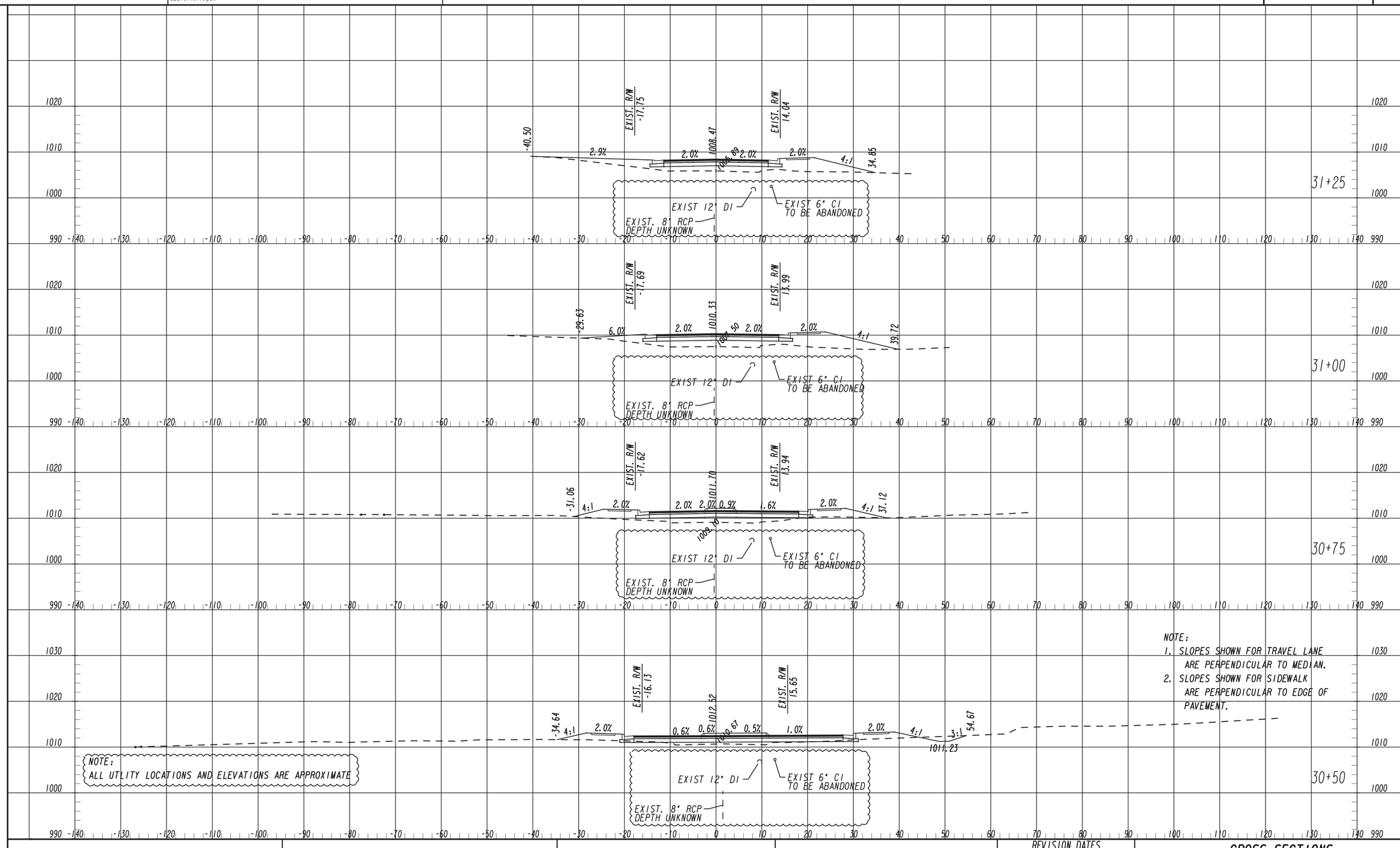
Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
WINDSOR PARKWAY

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

DRAWING No.
23-0004



09/17/2015 SUKEN

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Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

08-NOV-2019 12:11 | 12:11:28 PM | 0162073_235 | Y:\Roadways\162073\DGNs\0162073_23.dgn | P. I. No.

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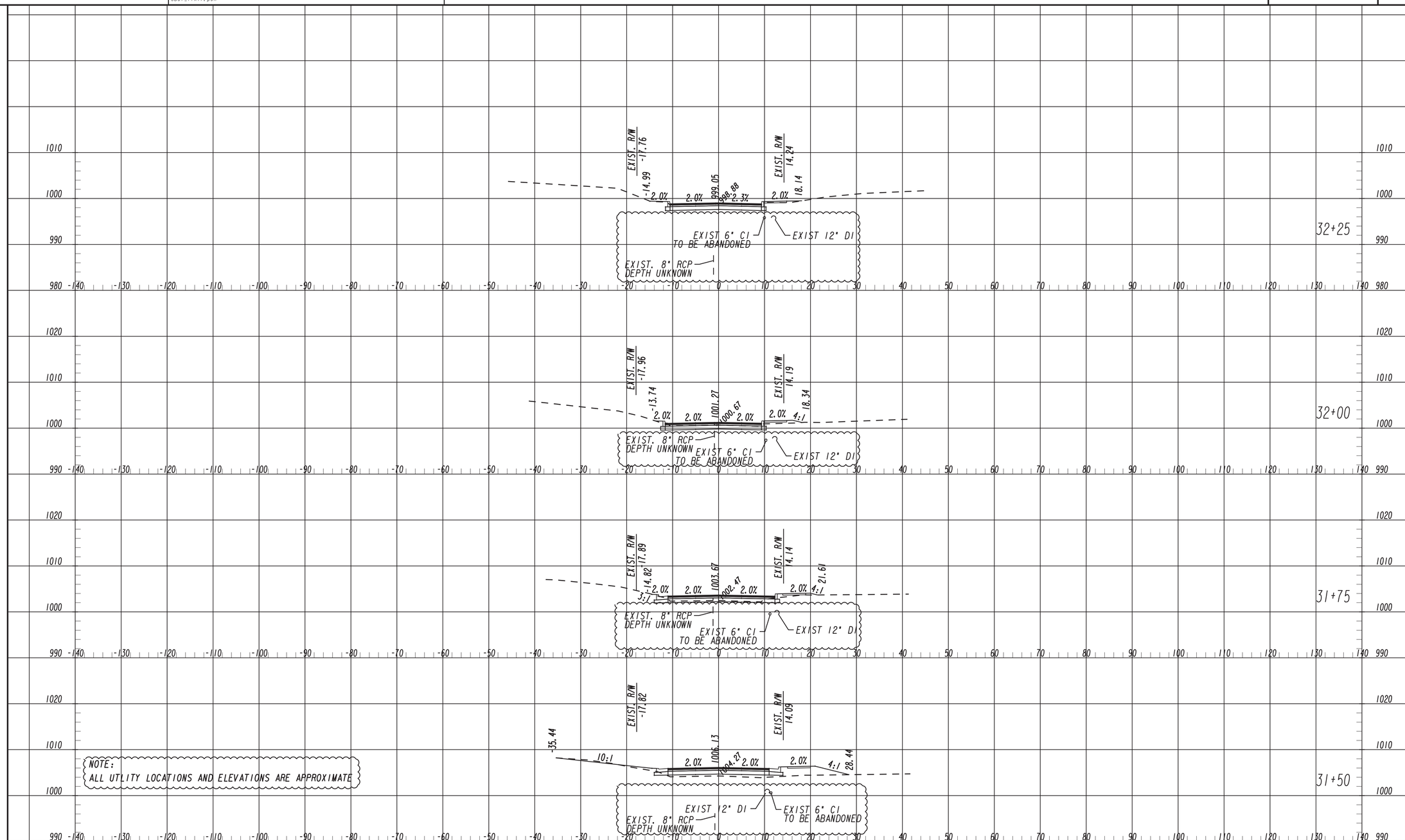

09/17/2015 SUXEN

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Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		23-0006
VERIFIED:		DATE:		

08-NOV-2019 12:11 12:11:34 PM
Ben.Clopper

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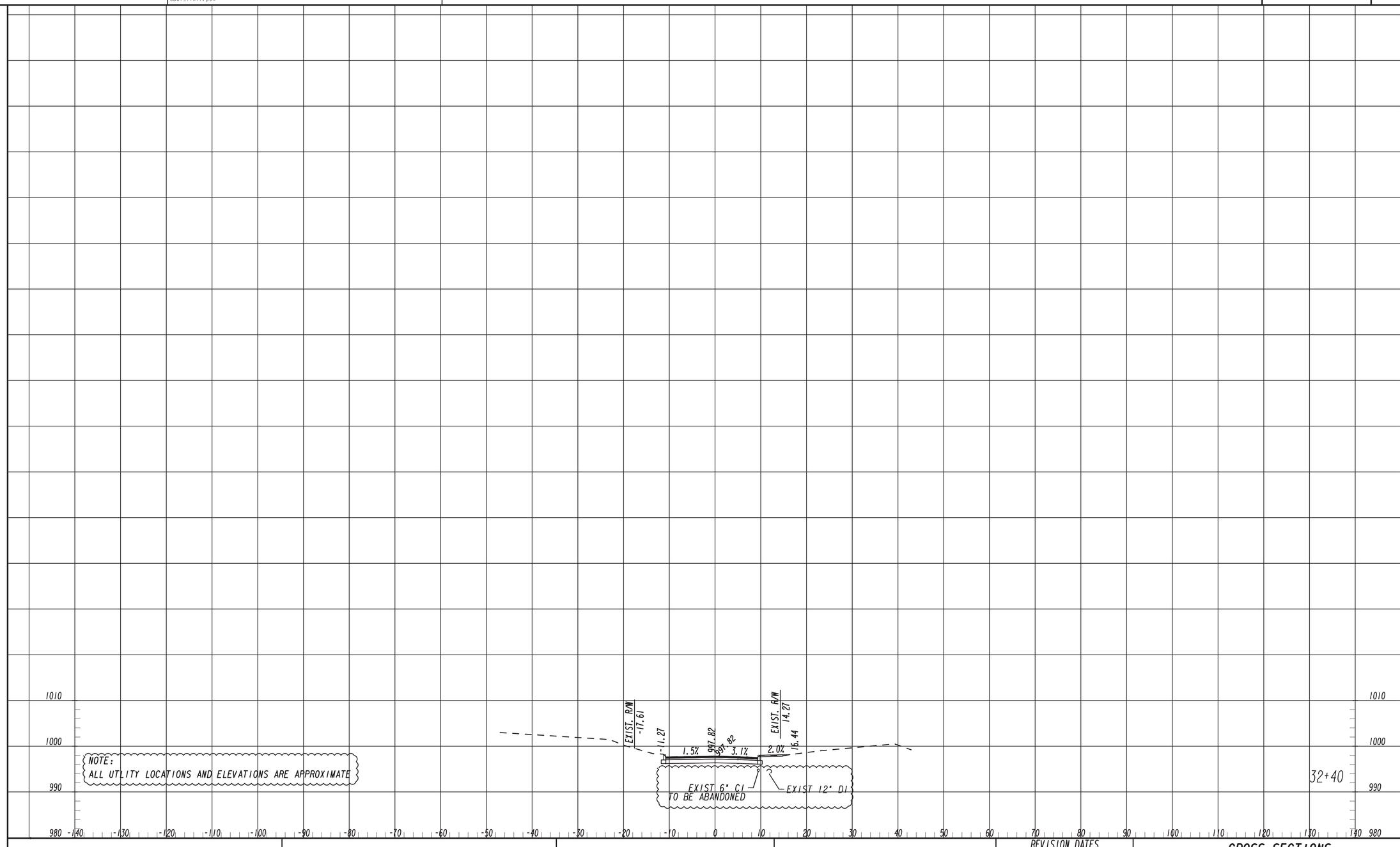

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Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
OSBORNE ROAD

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

DRAWING No.
23-0007

09/17/2015 SUXEN

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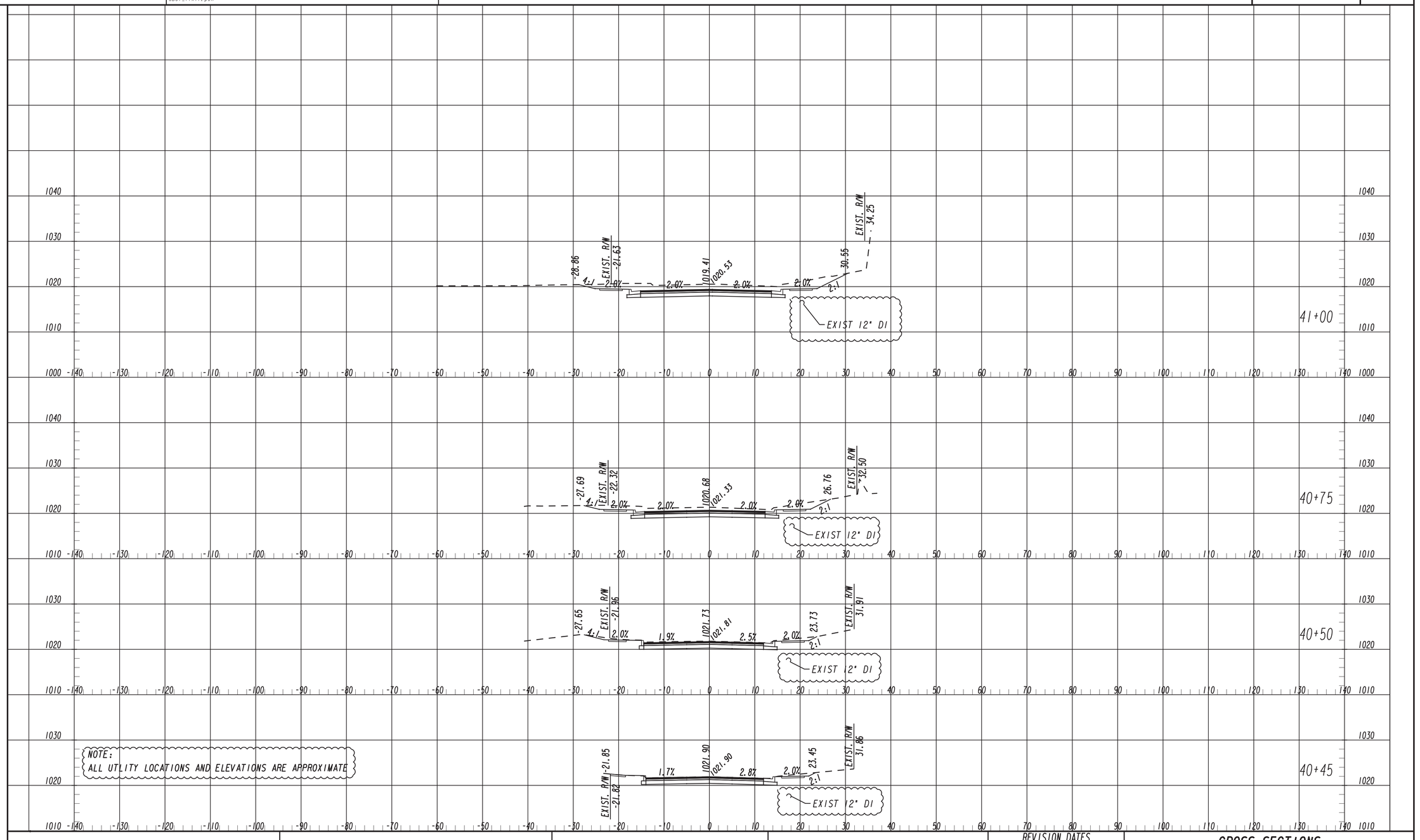

09/17/2015 SUXEN

Michael Baker INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		23-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

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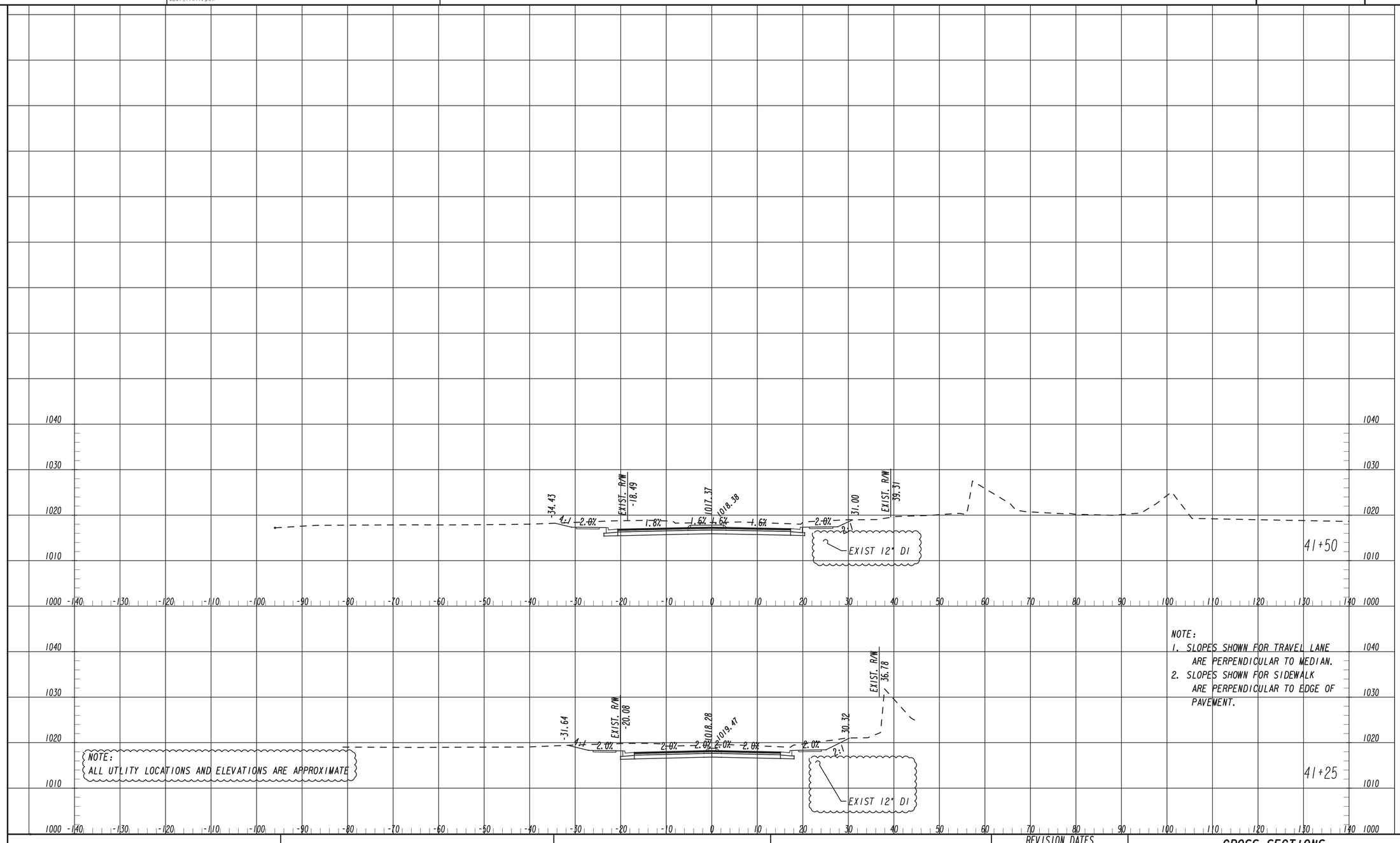

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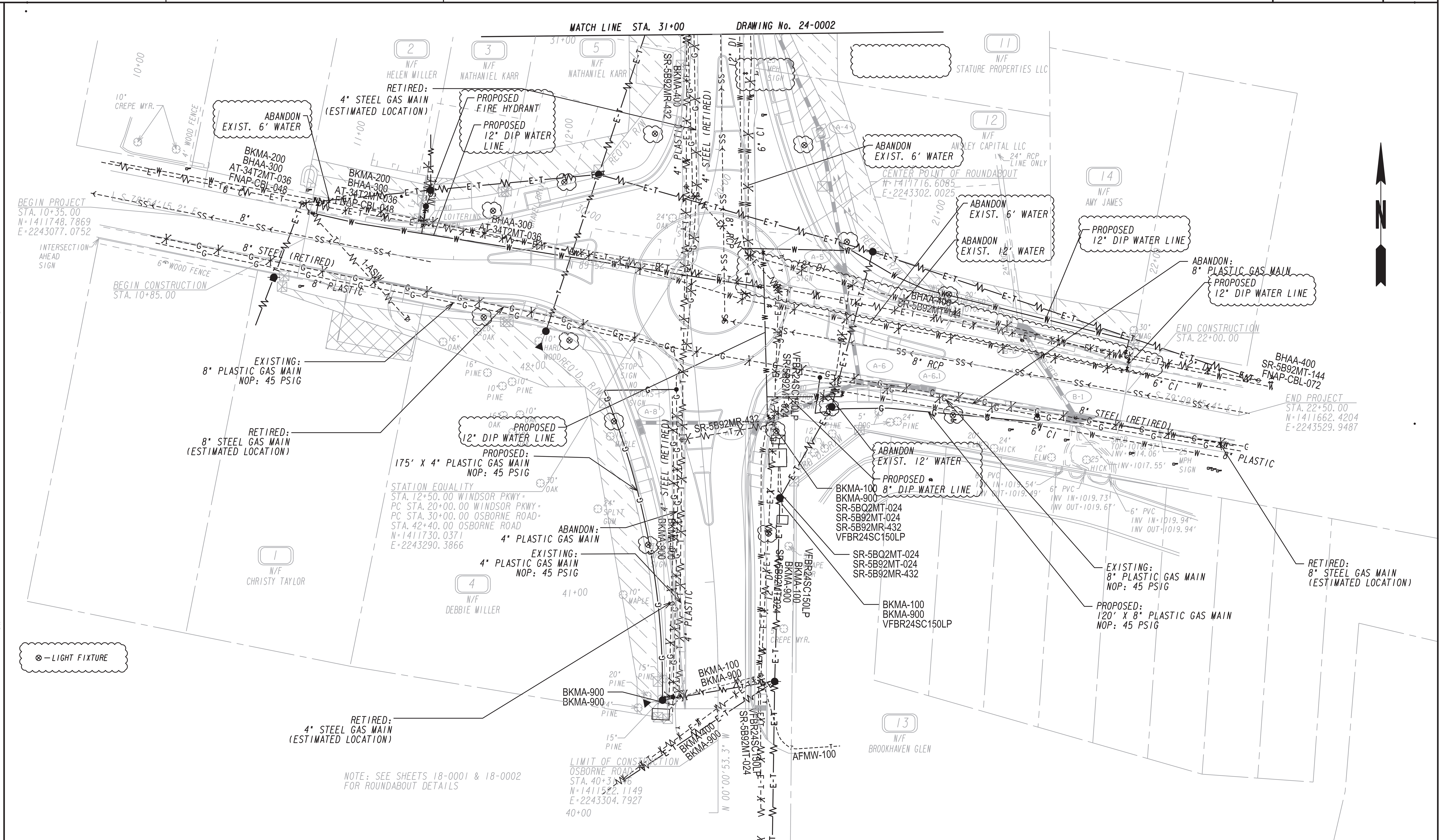
Scale
Horizontal: 1 Inch = 10 Feet
Vertical: 1 Inch = 10 Feet

REVISION DATES
10/16/19

CROSS SECTIONS
OSBORNE ROAD

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	23-0009
CORRECTED:		DATE:	
VERIFIED:		DATE:	

09/17/2015 SUXEN



MATCH LINE STA. 31+00
DRAWING No. 24-0002
N/F HELEN MILLER
N/F NATHANIEL KARR
N/F NATHANIEL KARR
N/F STATURE PROPERTIES LLC
N/F ANSLEY CAPITAL LLC
N/F AMY JAMES
N/F CHRISTY TAYLOR
N/F DEBBIE MILLER
N/F BROOKHAVEN GLEN
RETIRED: 4" STEEL GAS MAIN (ESTIMATED LOCATION)
PROPOSED FIRE HYDRANT
PROPOSED 12" DIP WATER LINE
ABANDON EXIST. 6' WATER
ABANDON EXIST. 6' WATER
ABANDON EXIST. 6' WATER
ABANDON EXIST. 12' WATER
PROPOSED 12" DIP WATER LINE
ABANDON: 8" PLASTIC GAS MAIN
PROPOSED 12" DIP WATER LINE
CENTER POINT OF ROUNDABOUT N=1411716.6085 E=2243302.0025
BEGIN PROJECT STA. 10+35.00 N=1411748.7869 E=2243077.0752
BEGIN CONSTRUCTION STA. 10+85.00
INTERSECTION AHEAD SIGN
END CONSTRUCTION STA. 22+00.00
END PROJECT STA. 22+50.00 N=1411662.4204 E=2243529.9487
BKMA-200 BHAA-300 AT-34T2MT-036 FNAP-CBL-048
BKMA-200 BHAA-300 AT-34T2MT-036 FNAP-CBL-048
BHAA-300 AT-34T2MT-036
BHAA-400 SR-5B92MT-144 FNAP-CBL-072
SR-5B92MR-432 BKMA-400
EXISTING: 8" PLASTIC GAS MAIN NOP: 45 PSIG
RETIRED: 8" STEEL GAS MAIN (ESTIMATED LOCATION)
PROPOSED 12" DIP WATER LINE
PROPOSED: 175' X 4" PLASTIC GAS MAIN NOP: 45 PSIG
STATION EQUALITY STA. 12+50.00 WINDSOR PKWY = PC STA. 20+00.00 WINDSOR PKWY = PC STA. 30+00.00 OSBORNE ROAD = STA. 42+40.00 OSBORNE ROAD N=1411730.0371 E=2243290.3866
ABANDON: 4" PLASTIC GAS MAIN
EXISTING: 4" PLASTIC GAS MAIN NOP: 45 PSIG
ABANDON EXIST. 12' WATER
PROPOSED 8" DIP WATER LINE
BKMA-100 BKMA-900 SR-5BQ2MT-024 SR-5B92MT-024 SR-5B92MR-432 VFBR24SC150LP
SR-5BQ2MT-024 SR-5B92MT-024 SR-5B92MR-432
BKMA-100 BKMA-900 VFBR24SC150LP
EXISTING: 8" PLASTIC GAS MAIN NOP: 45 PSIG
PROPOSED: 120' X 8" PLASTIC GAS MAIN NOP: 45 PSIG
RETIRED: 8" STEEL GAS MAIN (ESTIMATED LOCATION)
⊗—LIGHT FIXTURE
RETIRED: 4" STEEL GAS MAIN (ESTIMATED LOCATION)
BKMA-900 BKMA-900
BKMA-100 BKMA-900
BKMA-400 BKMA-900
VFBR24SC150LP SR-5B92MT-024
AFMW-100
NOTE: SEE SHEETS 18-0001 & 18-0002 FOR ROUNDABOUT DETAILS
LIMIT OF CONSTRUCTION OSBORNE ROAD STA. 40+31.6 N=1411522.1149 E=2243304.7927
SR-5B92MR-432

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS............BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.............ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	ORANGE BARRIER FENCE
EASEMENT FOR CONSTR OF DRIVES	ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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SCALE IN FEET
0 20 40 80

REVISION DATES
8/15/19
10/16/19
1/9/2020

UTILITY PLANS

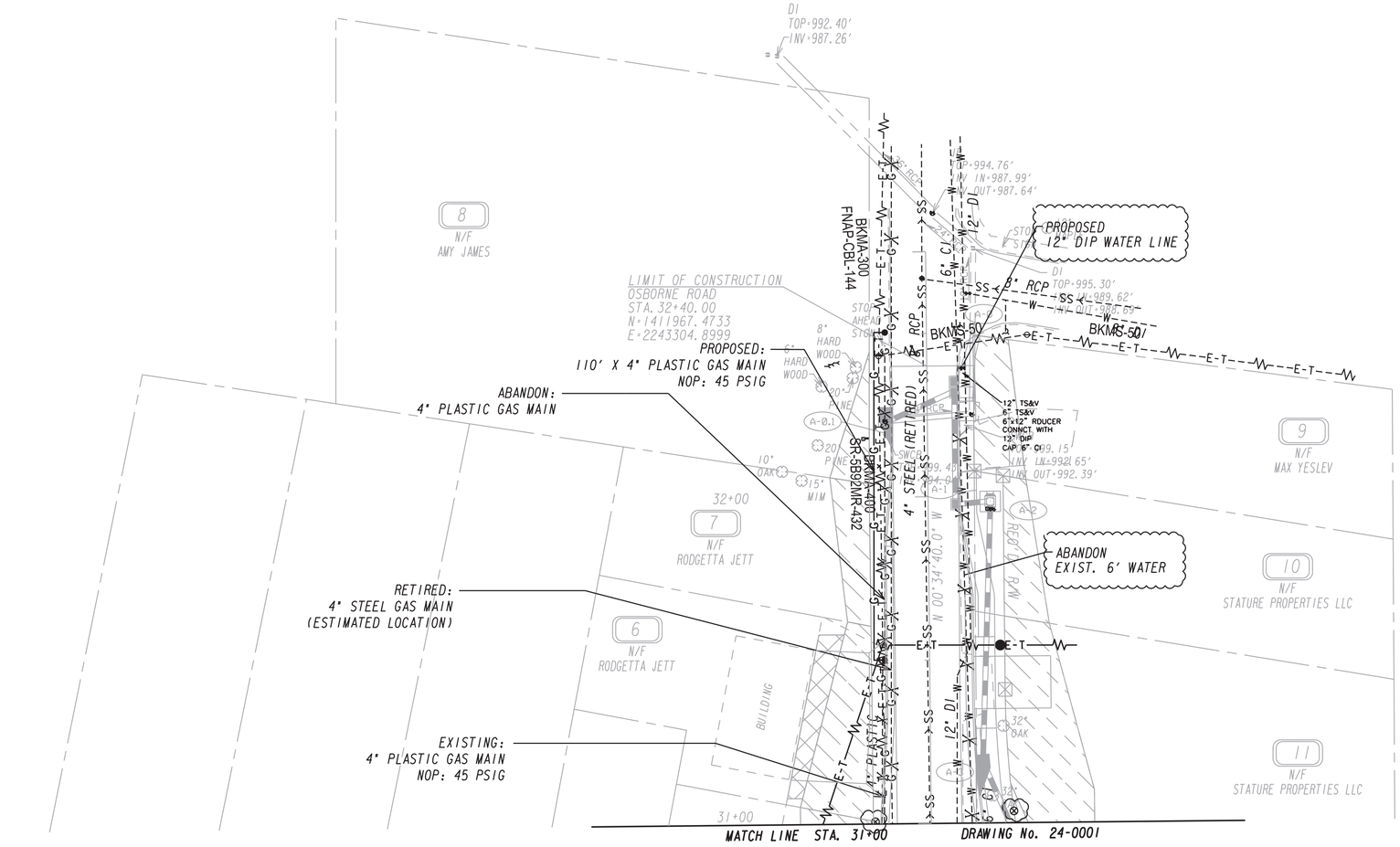
WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No.
24-0001

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070



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)

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SCALE IN FEET
0 20 40 80

REVISION DATES
10/16/19
1/9/2020

UTILITY PLANS
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		24-0002
VERIFIED:		DATE:		

10/23/2015 GPLN

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Ben.Clopper | GDOT_11x17.pen

MATCH LINE STA. 31+00 DRAWING No. 26-0002

10+00 11+00 12+00 20+00 21+00 22+00 30+00 31+00 41+00 42+00

STA. 10+85
BEGIN THERMOPLASTIC TRAFFIC STRIPING MATCH EXISTING

5" DOUBLE SOLID YELLOW (TYP)

DETAIL "A" (YELLOW) TRAFFIC STRIPING (13 SQ YDS)

REMOVE AND RESET NO LOITERING SIGN

R1-2 (36" TRI.) STA. 30+40

Windsor Pkwy YIELD D3-1 *2 (12"x48")

R6-4 (30" x 24") STA. 20+04

DETAIL "A" (YELLOW) TRAFFIC STRIPING (7 SQ YDS)

REMOVE AND RESET WARNING SIGN AND TOGETHER WE CAN SIGN STA. 20+04

5" SOLID YELLOW (TYP)

5" SOLID WHITE (TYP)

REQ'D R/W

EX. R/W

S 78°54'15.2" E

N 89°52'40.6" E

S 79°09'45.4" E

W2-6 (30"x30") STA. 10+50

W13-1 (18"x18")

RPM - TYPE I YELLOW @ 40' SPACING (TYP)

R1-6a (12"x36") R4-7 (24"x30") STA. 11+75

8" SOLID WHITE (TYP) GDOT STD DETAIL T-11A

TYPE 15 WORD (TYP)

R1-2 (36" TRI.) STA. 12+05 Osborne Rd D3-1 *1 (12"x48")

R6-4 (30" x 24") STA. 42+19

REMOVE AND RESET WEIGHT LIMIT SIGN

DETAIL "A" (YELLOW) TRAFFIC STRIPING (17 SQ YDS)

R2-1 (24"x30") STA. 41+00 SPEED LIMIT 35

STA. 40+45
BEGIN THERMOPLASTIC TRAFFIC STRIPING MATCH EXISTING

N 00°00'53.3" W

75'±

40+00

WITHIN CROSSWALK R1-6a (12"x36") STOP FOR R4-7 (24"x30") STA. 30+80

D3-1 *1 (12"x48") Osborne Rd YIELD R1-2 (36" TRI.) STA. 20+70

R6-4 (30" x 24") STA. 20+26

18" SKIP WHITE (2" SEG., 2' GAP) (TYP)

R4-7 (24"x30") STA. 21+10 STOP FOR WITHIN CROSSWALK R1-6a (12"x36")

DETAIL "A" (YELLOW) TRAFFIC STRIPING (27 SQ YDS)

5" SOLID WHITE (TYP)

W2-6 (30"x30") STA. 22+25 15 MPH W13-1 (18"x18")

STA. 22+00
END THERMOPLASTIC TRAFFIC STRIPING MATCH EXISTING

REMOVE AND RESET WEIGHT LIMIT SIGN

D3-1 *2 (12"x48") Windsor Pkwy YIELD R1-2 (36" TRI.) STA. 41+68

R6-4 (30" x 24") STA. 42+13

REMOVE AND RESET LYNWOOD PARK SIGN

R4-7 (24"x30") STA. 41+35

W2-6 (30"x30") STA. 39+70

15 MPH W13-1 (18"x18")

STOP FOR WITHIN CROSSWALK R1-6a (12"x36")

N

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)

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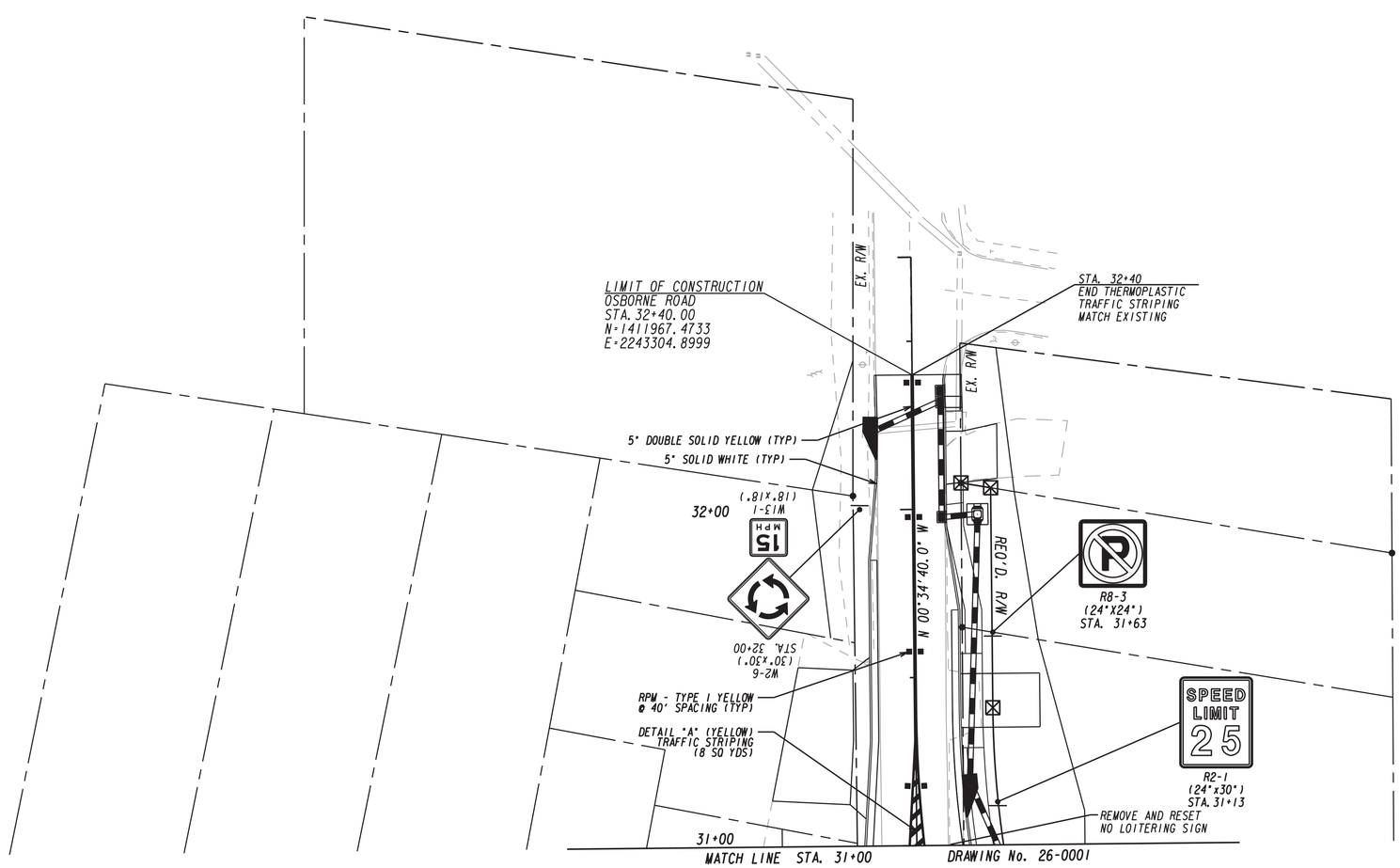
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		26-0001
VERIFIED:		DATE:		

10/23/2015 GPLN



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

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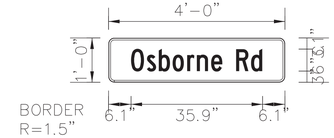
REVISION DATES

SIGNING AND MARKING PLANS
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		26-0002
VERIFIED:		DATE:		

10/23/2015 GPLN

D3-1 #1



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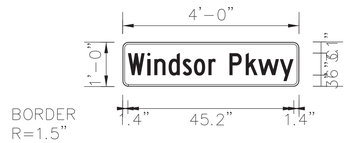
M.U.T.C.D.: 2009 Edition

D3-1 #2



Panel Style: guide_con_st_d3-1.ssi
M.U.T.C.D.: 2009 Edition

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

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0 20 40 80

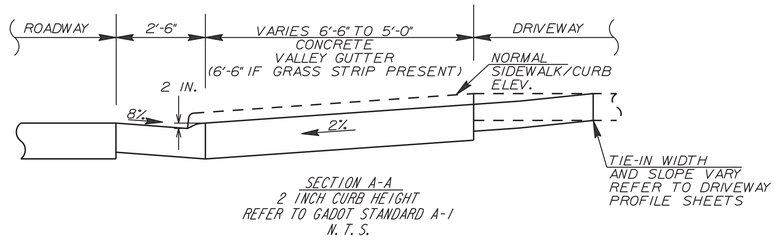
REVISION DATES

SIGNING AND MARKING PLANS

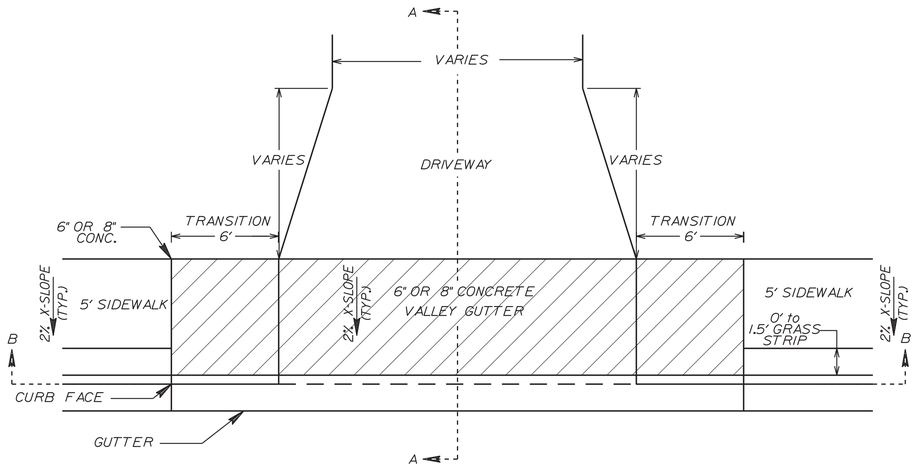
WINDSOR PKWY AT OSBORNE ROAD

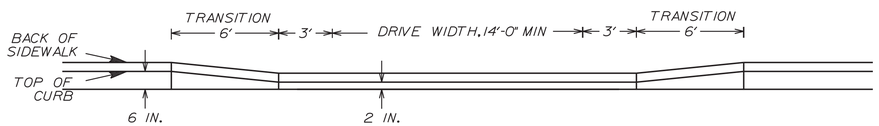
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN



SECTION A-A
2 INCH CURB HEIGHT
REFER TO GADOT STANDARD A-1
N. T. S.





SECTION B-B
PROFILE OF TRANSITION FROM STANDARD CURB TO 2 INCH HEIGHT
EXAGGERATED VERTICALLY

Driveway Valley Gutter Detail A

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

NOT TO SCALE

REVISION DATES

SPECIAL CONSTRUCTION DETAIL
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		38-0001
VERIFIED:		DATE:		

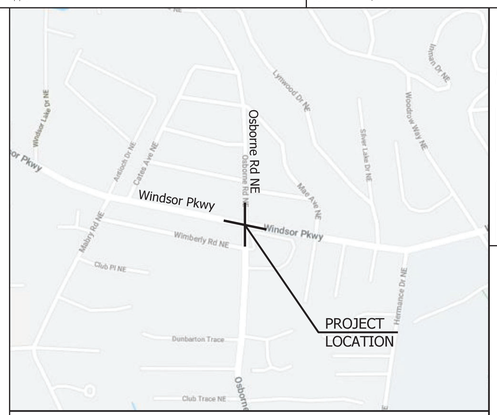
10/23/2015 GPLN

24-JAN-2020 13:31 Ben.Clopper	0162073_50 GDOT_11x17.pen	Y:\Roadways\162073\DGNs\0162073_50.dgn GRWCOV		P. I. No.

CITY OF BROOKHAVEN
DEPARTMENT OF PUBLIC WORKS

EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN

WINDSOR PARKWAY
AT OSBORNE ROAD



LOCATION SKETCH

CITY OF BROOKHAVEN

MAYOR, JOHN ARTHUR ERNST JR.
CITY COUNCIL DISTRICT 1: LINLEY JONES
CITY COUNCIL DISTRICT 2: JOHN PARK
CITY COUNCIL DISTRICT 3: BATES MATTISON
CITY COUNCIL DISTRICT 4: JOE GEBBIA
PUBLIC WORKS DIRECTOR: HARI KARIKARAN

24 HOUR CONTACT:

HARI KARIKARAN
NAME

404-637-0500
PHONE NUMBER

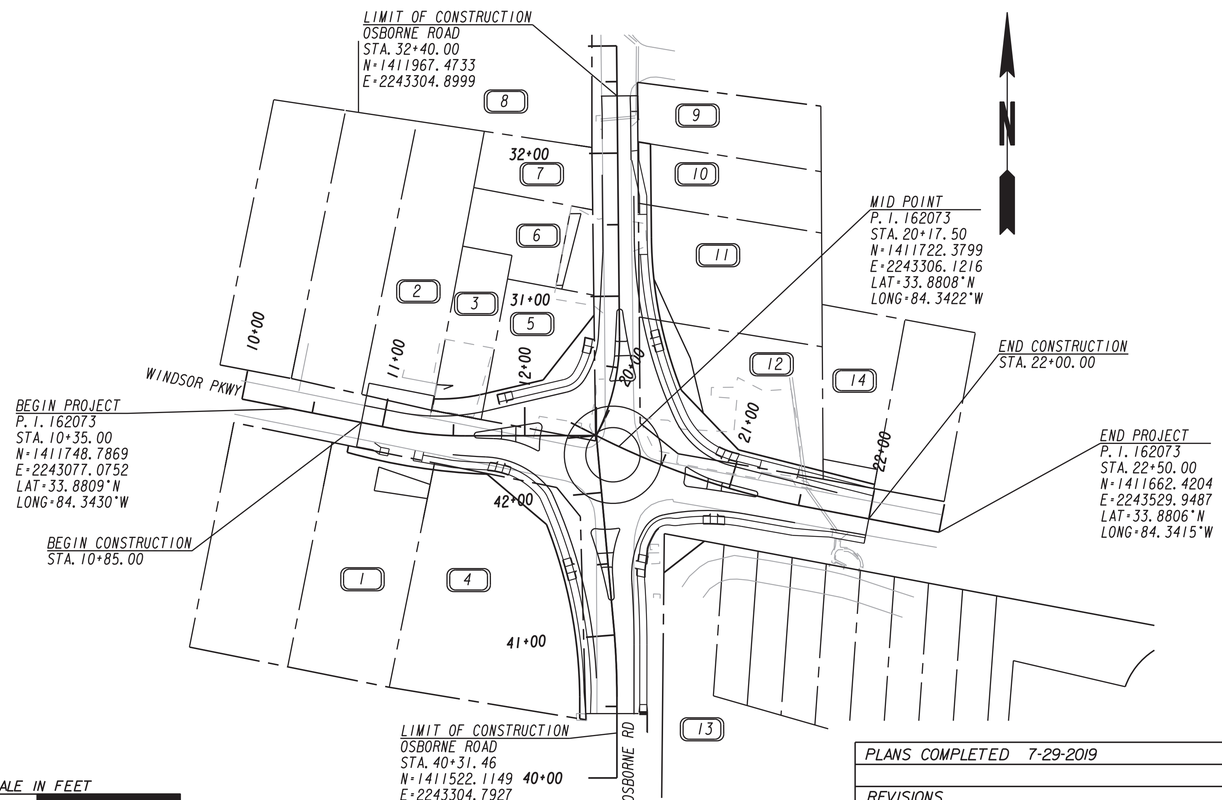
HARI.KARIKARAN@BROOKHAVENGA.GOV
E-MAIL

PRIMARY PERMITTEE:

CITY OF BROOKHAVEN
NAME

4362 PEACHTREE ROAD, BROOKHAVEN, GA 30319
ADDRESS

404-637-0500
PHONE NUMBER



Michael Baker INTERNATIONAL
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NORCROSS, GEORGIA 30092
(770) 263-9118

SCALE IN FEET
0 50 100 200

THIS PROJECT IS 100% IN DEKALB COUNTY.

LENGTH OF PROJECT	COUNTY No. Project No. 162073
	MILES
NET LENGTH OF ROADWAY	0.0691
NET LENGTH OF BRIDGES	0.0000
NET LENGTH OF PROJECT	0.0691
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF PROJECT	0.0691

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 DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with part IV, of the General NPDES Permit No. GAR 100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR 100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent under my direct supervision.

BENJAMIN C CLOPPER, P.E.
GSWCC LEVEL II Certification #0000000088

GEORGIA REGISTERED No. 029858 PROFESSIONAL ENGINEER BENJAMIN C. CLOPPER
7/29/19

GSWCC Georgia Soil and Water Conservation Commission
Benjamin C Clopper
Level II Certified Design Professional
Certification Number 0000000088
Issued: 06/03/2017 Expires: 06/03/2020

PLANS COMPLETED 7-29-2019

REVISIONS

DATE	REQUESTED BY	DRAWING NUMBERS	SIGNATURE	GSWCC LEVEL II #
8/15/19	CITY OF BROOKHAVEN	54-0002,-0003,-0004,56-0001		0000000088
12/16/19	GSWCC	ALL		0000000088
1/24/20	GSWCC	51-0002,54-0001,-0002,56-0004		0000000088

DRAWING No.
50-0001

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

GSWCC

Georgia Soil and Water Conservation Commission

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: DeKalb County SWCD

Project Name: Windsor Pkwy at Osborne Rd **Address:** Windsor Pkwy at Osborne Rd

City/County: Brookhaven/DeKalb **Date on Plans:** 7/29/2019

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0001	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
50-0001	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
53-0001	Y	5 Note total and disturbed acreage of the project or phase under construction.
50-0001	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-0001	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-0002	Y	8 Description of the nature of construction activity.
50-0001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
55-0001	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
50-0001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.*
50-0001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of permit as applicable.*
51-0005	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5. page 26 of the permit.*
51-0003	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
51-0003	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0002	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
51-0002	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
51-0002	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
51-0002	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
51-0002	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
51-0003	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment*
N/A	N/A	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
51-0002	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
51-0002	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
51-0002	Y	27 Description of practices to provide cover for building materials and building products on site.*
51-0002	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges.*
51-0003	Y	29 Description and chart or timeline of the intended sequence of major activites which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
51-0004	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee.*
51-0004	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results.*
51-0004	Y	32 Provide complete details for retention of records as per Part IV.F. of the permit.*
51-0004	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location.*
51-0004	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
51-0004	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
51-0002	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
ALL	Y	37 Graphic scale and North arrow.
55-0001	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Proposed Contours: 1" : 400' Centerline Profile
N/A	N/A	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
N/A	N/A	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*
53-0001	Y	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
53-0001	Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53-0001	Y	43 Delineation and acreage of contributing drainage basins on the project site.
55-0001	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53-0001	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activites are completed.
51-0003	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
53-0001	Y	47 Soil series for the project site and their delineation.
54 Series	Y	48 The limits of disturbance for each phase of construction.
51-0003	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justication explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
54 Series	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56 Series	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
51-0002	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

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

Effective January 1, 2019

PLANS COMPLETE 7/29/2019

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ROADWAY DESIGN

REVISION DATES
12/16/19

ESPCP GENERAL NOTES

WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No. 51-0001

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

ESPCP GENERAL NOTES

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

ESPCP ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Admendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component must be certified by the Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP. A possible location for a construction exit is shown on the plans but may be shifted by the Contractor.

The existing site consists of two lane roadways with a 4-way stop controlled intersection. The surrounding properties are currently undeveloped directly to the north with residential properties to the south. The project proposes to construct a roundabout at the intersection.

The initial BMP installation is shown in the Initial Stage and this includes all perimeter silt fence controls. This silt fence shall be installed concurrent with clearing and grubbing operations.

The intermediate construction stage consists of regrading of the site, installation of drainage structures, curb and gutter, sidewalk and pavement. Intermediate BMP's are shown throughout Stage 1. The BMP's to be installed during these stages are additional silt fence, inlet sediment traps, ditch checks, slope mats, construction exits, temporary grassing, and mulching. These BMP's shall be installed concurrently with mass grading operations with the exception of ditch checks and inlet sediment traps which should be installed as the features they construct are placed. During mass grading operations, runoff from distrubed area must be directed to sediment control BMP's. Sediment basins are not utilized due to adverse impacts of constructing and removing the basin.

The final construction stage includes striping and installation of signage as well as final stabilization. Final BMP's included in this project are sod and slope mats.

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Waste materials shall not be discharged to Waters of the State, except as authorized by a Section 404 Permit.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide tarps to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. The tarps shall be secured in manner so as to remain in place during construction operations at the site and throughout weather events. The engineer may direct teh Contractor to modify covers as necessary to minimize the risk of pollutant runoff. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

POSTCONSTRUCTION BMP'S FOR STORMWATER MANAGEMENT

All permanent postconstruction BMP's are shown in the construction plans and in the ESPCP plan. The postconstruction BMP's for this project consist of vegetation, riprap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, and channel/ditch stabilization with turf reinforcing mats. The postconstruction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.)

SOIL SERIES INFORMATION

A map of soils on and arround the site can be found on 53-0001. The following is a summary of the soils that are expected to be found on the project site:

Soil Type	Map Unit Name	Percent of AOI
CuC	Cecil-Urban land complex, 2 to 10 percent slopes	100%

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

READY MIX CHUTE WASH DOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping and shall be surrounded by a leak proof liner. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

PLANS COMPLETE 7/29/2019

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ROADWAY DESIGN

REVISION DATES

12/16/19		
1/24/20		

ESPCP GENERAL NOTES

WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
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VERIFIED:		DATE:		

10/23/2015 GPLN

SEDIMENT STORAGE

The site has a total disturbed area of 1.33 acres. The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.

Location	Total Drainage Area, including off site (acres)	Total Drainage Area across Disturbed area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd³)	Total Storage Volume Provided (yd³)	Inlet Sediment Traps (5 yd³/each)		Silt Fence (0.3 yd³/ft)	
						# of Devices	Total Volume (yd³)	Length of Fence (ft)	Total Volume (yd³)
Outfall 1	1.44	0.92	0.92	61.64	68	10	50	60	18
Outfall 2	3.41	0.05	0.05	3.35	10	2	10		
Total Sheet Flow	0.36	0.36	0.36	24.12	15.24			508	15.24

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

Required storage for sheet flow is not met due to some sheet flow going down existing curb and gutter. Currently there is no way to efficiently catch this runoff on existing pavement inside the project limits.

TEMPORARY SEDIMENT BASIN DETAILS:

A temporary sediment basin is not utilized on this project due to space limitations.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

No alternative or additional BMPs will be used on this project.

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

The following is a summary of project outfalls within 1 mile and within the watershed of an identified impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

Outfall ID # and Location (Station and Offset)	Reach Name	Location of the Impaired Stream Segment as Indicated in the 305b/303d List	Criteria Violated (Bio F or Bio M)	Potential Cause (NP or UR)	Category (4a, 4b, or 5)	Numeric waste load allocation for sediment*
Outfall #1 32+34, 8.3' RT	Nancy Creek	Headwaters to Peachtree Creek, Atlanta	Bio F	UR	4a	1,697.10
Outfall #2 21+50, 19.4' LT	Nancy Creek	Headwaters to Peachtree Creek, Atlanta	Bio F	UR	4a	1,697.10

See 51-0005 for Appendix I

No TMDL Plan has been finalized for Nancy Creek.

RIPRAP OUTLET PROTECTION

All discharges on the project are into existing closed drainage systems. Riprap outlet protection is not required.

STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

The Contractor is not authorized to enter into stream buffers.

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold water streams have a 50-foot buffer as measured from the wrested vegetation.
** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets

CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing except as noted otherwise in the table below.

Begin Station and Offset	End Station and Offset	Q_{25} (ft^3/s)	V_{25} (ft/s)	Type of Channel Lining	Channel Bottom Width (ft)	Depth of Protection Dp (ft)	Quantity (yd^2)
30+30 RT	30+58 RT	0.2	1.73	TRM-1	2.0	0.75	37

RETENTION OF RECORDS

1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:
   a. A copy of all Notices of Intent submitted to EPD;
   b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by the permit;
   c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of the permit;
   d. A copy of all sampling information, results, and reports required by the permit;
   e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of the permit;
   f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of the permit; and
   g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of the permit.
2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by the permit and all other records required by the permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI of the permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

Construction schedule is to be updated by the contractor prior to the beginning of construction.

EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE
CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
INSTALLATION OF CONSTRUCTION EXIT,PERIMETER SILT FENCE & TREE PROTECTION FENCE	■										
CLEARING & GRUBBING		■									
ROUGH GRADING & DRAINAGE			■	■							
INSTALLATION OF STORM DRAIN					■	■					
INSTALL INTERMEDIATE EROSION MEASURES						■					
BASE AND PAVEMENT						■	■	■			
FINAL GRADING									■		
LIGHTING,SIGNING AND MARKING										■	
FINAL GRADE & GRASSING										■	
REMOVE TEMPORARY EROSION MEASURES AND ORANGE BARRIER FENCE											■

INSPECTIONS AND REPORTING

a. Permittee requirements.
(1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with the permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

(3). Certified personnel (provided by the primary permittee) shall inspect the following at least once every fourteen (14) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first): (a) disturbed areas of the primary permittee's construction site; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.

(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of the permit (i.e., until a Notice of Termination is submitted to EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5). of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction site that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall contain a statement that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of the permit.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

PLANS COMPLETE 7/29/2019

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ROADWAY DESIGN

REVISION DATES
12/16/19

ESPCP GENERAL NOTES

WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		51-0003
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

SAMPLING GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total site area is 1.33 acres.

SAMPLING INFORMATION											Representative Sampling Scheme OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
1	32+34, 8.3' RT	Nancy Creek	All	Outfall	19.3	0.92	Warm	200	N/A	Drop Inlet	Road Widening	0.92	0.05	>5	2

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

REPORTING

1. The applicable permittees are required to submit the sampling results to the EPD by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with the permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) or the receiving water(s) beyond the minimum frequency stated in the permit must be reported in a similar manner to the EPD. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:
   a. The rainfall amount, date, exact place and time of sampling or measurements;
   b. The name(s) of the certified personnel who performed the sampling and measurements;
   c. The date(s) analyses were performed;
   d. The time(s) analyses were initiated;
   e. The name(s) of the certified personnel who performed the analyses;
   f. References and written procedures, when available, for the analytical techniques or methods used;
   g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
   h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
   i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by the permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of the permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

SAMPLE TYPE

All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136 (unless other test procedures have been approved), the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD.

(1). Sample containers should be labeled prior to collecting the samples.

(2). Samples should be well mixed before transferring to a secondary container.

(3). Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.

(4). Manual, automatic or rising stage sampling may be utilized. Samples required by the permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES (CONT.)

(5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in the permit must be reported to EPD as specified in Part IV.E.

SAMPLING POINTS

(1). For construction activities the primary permittee must sample all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or all outfalls into such streams and other water bodies, or a combination thereof. However, provided for in and in accordance with Part IV.D.6.c.(2). of the permit, primary permittees on an infrastructure construction project may sample the representative perennial and intermittent streams, other water bodies or outfalls, or a combination thereof. Samples taken for the purpose of compliance with the permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the stormwater outfalls using the following minimum guidelines:

(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first stormwater discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other stormwater discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value.

(b). The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last stormwater discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other stormwater discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.

(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the stormwater outfall channel(s).

(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall stormwater channel.

(e). The sampling container should be held so that the opening faces upstream.

(f). The samples should be kept free from floating debris.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES (CONT.)

(g). Permittees do not have to sample sheet flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures as defined in the Manual (excluding a crop of annual vegetation and a seeding of target crop perennials appropriate for the region). For infrastructure construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use.

(h). All sampling pursuant to the permit must be done in such a way (including generally accepted sampling methods, locations, timing, and frequency) as to accurately reflect whether stormwater runoff from the construction site is in compliance with the standard set forth in Parts III.D.3. or III.D.4., whichever is applicable.

SAMPLING FREQUENCY

(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any stormwater discharge to a monitored receiving water and/or from a monitored outfall location within forty-five (45) minutes or as soon as possible.

(2). However, where manual and automatic sampling are impossible (as defined in the permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the stormwater discharge.

(3). Sampling by the permittee shall occur for the following qualifying events:

(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in the permit after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the representative sampling location;

(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in the permit either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the representative sampling location, whichever comes first;

(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained;

(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and

(e). Existing construction activities, i.e., those that are occurring on or before the effective date of the permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

Note that the Permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

PLANS COMPLETE 7/29/2019

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ROADWAY DESIGN

REVISION DATES		
12/16/19		

ESPCP GENERAL NOTES

WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No. 51-0004

10/23/2015 GPLN

APPENDIX 1

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

The four items chosen must be appropriate for the site conditions.

Plan Page #	Included Y/N	
		a. During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
		b. Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.
		c. Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
	Y	d. A large sign (minimum 4 feet x 8 feet) must posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) the construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.
	Y	e. Use flocculants or coagulant and/or mulch to stabilize all areas left disturbed for more than seven (7) calendar days in accordance with Section III.D.1. of the NPDES Permit.
		f. Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Section IV.D.6.d. of the NPDES Permits.
		g. Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
		h. Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the plan.
		i. Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned is less. All calculations must be included on the plan.
		j. Use "Dirt II" techniques available on the EPD website, to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. (https://epd.georgia.gov/erosion-and-sedimentation)
		k. Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
		l. Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
		m. Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
		n. Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
	Y	o. Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
		p. Conduct soil tests to identify and to implement site-specific fertilizer needs.
	Y	q. Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3).(a) – (c) of the permit. *
		r. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
		s. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov)
		t. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the plan.
		u. Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared the Plan in accordance with Section IV.A.5. of the permit. The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.
		v. Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.

Effective January 1, 2019

PLANS COMPLETE 7/29/2019

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REVISION DATES: 12/16/19

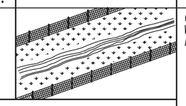
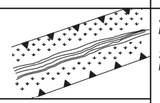
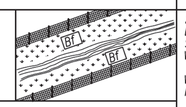
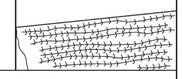
ESPCP GENERAL NOTES

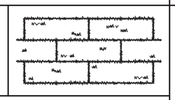
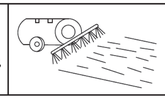
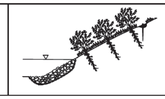
WINDSOR PKWY AT OSBORNE ROAD

DRAWING No. 51-0005

P.I. No.

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
		LINE CODE  ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
		LINE CODE ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
		SYMBOL Bf	
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 Ds1	
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 Ds2	

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 Ds4	
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163, 700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
		SYMBOL Fl-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 Sb	

NOTE:

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".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0001

PLANS COMPLETE 7/29/2019

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REVISION DATES
12/16/19

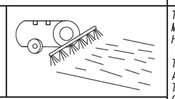
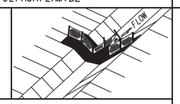
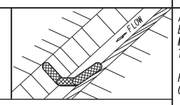
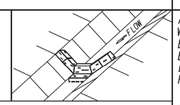
EROSION CONTROL LEGEND

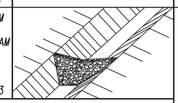
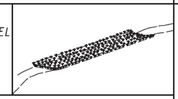
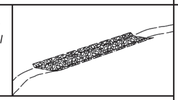
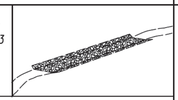
WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No. 52-0001

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716	 PATTERN 	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.
Tac	TACKIFIERS SECTION 163, 700, 895	 SYMBOL Tac POLYACRYLAMIDE	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.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171	 SYMBOL Cd-F	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.
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163	 SYMBOL Cd-Fs	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.
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163	 SYMBOL Cd-Hb	A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.

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	 SYMBOL Cd-S	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.
Ch-I	VEGETATED CHANNEL STABILIZATION SECTION 700	 LINE CODE Ch-I	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.
Ch-2RI	CHANNEL STABILIZATION RIP-RAP, TYPE I CONSTRUCTION DETAIL D-49 SECTION 603	 LINE CODE Ch-2RI	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.
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603	 LINE CODE Ch-2R3	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.

NOTE:

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".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017
11/28/2018

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 2 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0002

PLANS COMPLETE 7/29/2019

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REVISION DATES
12/16/19

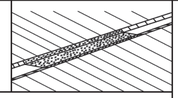
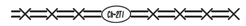
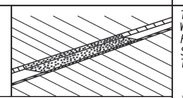
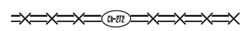
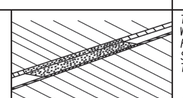
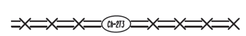
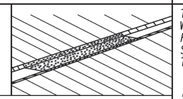
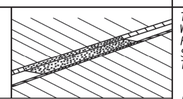
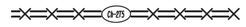
EROSION CONTROL LEGEND

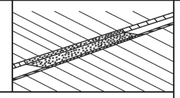
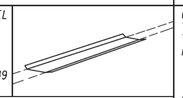
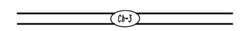
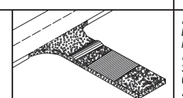
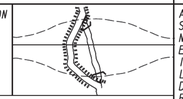
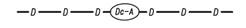
WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No. 52-0002

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	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. '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	 LINE CODE 	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. '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	 LINE CODE 	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. '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	 LINE CODE 	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. '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	 LINE CODE 	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. '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	 LINE CODE 	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. '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	 LINE CODE 	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. '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	 SYMBOL Co	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. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	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 Sdl-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. 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:

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".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 3 OF 7

CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	52-0003
VERIFIED:		DATE:	

PLANS COMPLETE 7/29/2019

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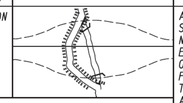
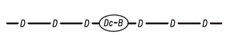
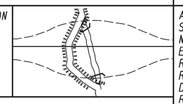
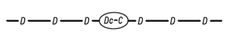
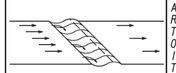
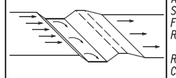
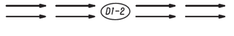
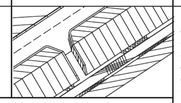
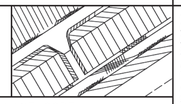
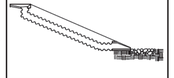
REVISION DATES
12/16/19

EROSION CONTROL LEGEND
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	52-0003
VERIFIED:		DATE:	

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163	 LINE CODE 	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 Sdl-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. 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	 LINE CODE 	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 Sdl-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. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dl-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205	 LINE CODE 	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 'Dnl'OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
Dl-2	DIVERSION CHANNEL SECTION 205	 LINE CODE 	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. 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.
Dnl	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163	 LINE CODE 	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'. 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	 LINE CODE 	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).
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	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).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577	 LINE CODE 	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).
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577	 LINE CODE 	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).

NOTE:

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'.

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 4 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0004

PLANS COMPLETE 7/29/2019

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REVISION DATES
12/16/19

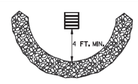
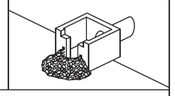
EROSION CONTROL LEGEND

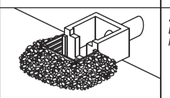
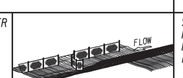
WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No. 52-0004

10/23/2015 GPLN

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: Fr		
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		
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: Rd-B		
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: Rp		
R1-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: R1-P		

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 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		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		
Sd1-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—Sd1-NS—A—A—A		
Sd1-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—Sd1-S—C—C—C		

NOTE:

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".

7/31/2015 GPLN

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0005
VERIFIED:		DATE:		

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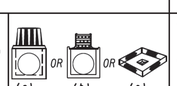
10/23/2015 GPLN

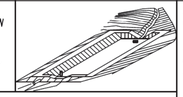
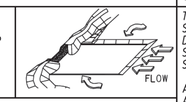
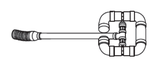
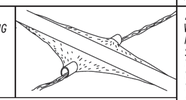
REVISION DATES
12/16/19

PLANS COMPLETE 7/29/2019

EROSION CONTROL LEGEND
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0005
VERIFIED:		DATE:		

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. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
		LINE CODE * * * SD1-BB * * *	
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	 (a) OR (b) OR (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%. 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.
		SYMBOL Sd2-F	
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. 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.
		SYMBOL Sd3	
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. 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.
		SYMBOL Sd4-C	
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. 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.
		SYMBOL Sk	
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. 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!
		SYMBOL Sr	

NOTE:

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".

7/31/2015 GPLN

NO SCALE

REVISION DATES
3/2/2017
11/28/2018

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 6 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0006
VERIFIED:		DATE:		

PLANS COMPLETE 7/29/2019

24 HOUR CONTACT
HARI KARIKARAN
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Michael Baker
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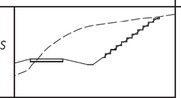
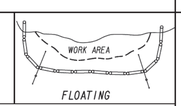
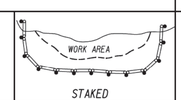
(770) 263-9118

REVISION DATES
12/16/19

EROSION CONTROL LEGEND
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		52-0006
VERIFIED:		DATE:		

10/23/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332	 SYMBOL St	A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603	 PATTERN FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL	RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205	 LINE CODE Su	PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	 WORK AREA FLOATING LINE CODE Tc-F	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	 WORK AREA STAKED LINE CODE Tc-S	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

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".

7/31/2015 GPLN

GDOT

NO SCALE

REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 7 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0007

PLANS COMPLETE 7/29/2019

24 HOUR CONTACT
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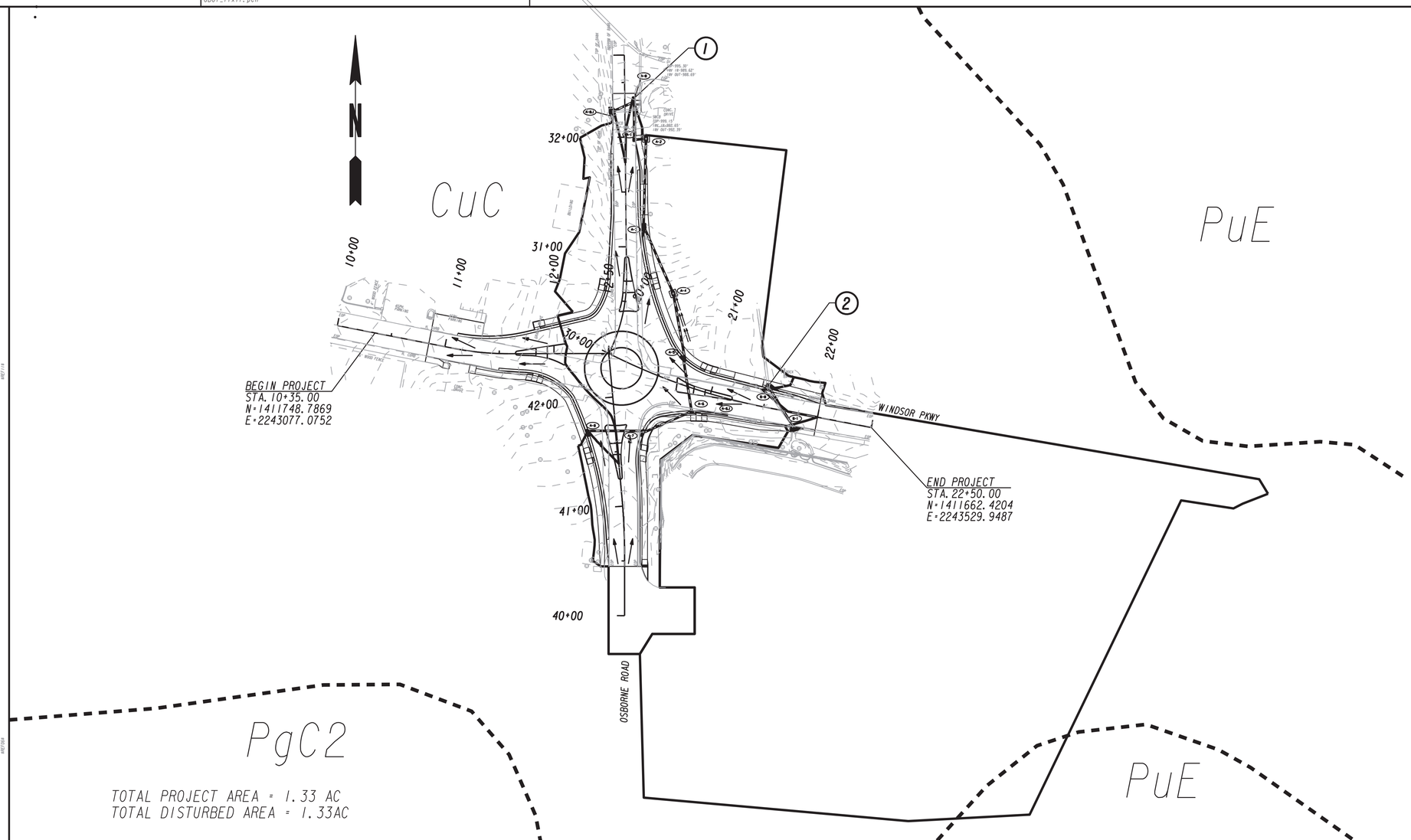
REVISION DATES
12/16/19

EROSION CONTROL LEGEND
WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No. 52-0007

10/23/2015 GPLN



TOTAL PROJECT AREA = 1.33 AC
TOTAL DISTURBED AREA = 1.33AC

OUTFALL	ROAD NAME	STA	OFFSET (ft)	OUTFALL TYPE	PRE C	POST C	PRE Q50 (cfs)	PRE Q100 (cfs)	POST Q50 (cfs)	POST Q100 (cfs)	PRE V50 (fps)	PRE V100 (fps)	POST V50 (fps)	POST V100 (fps)	DRAINAGE AREA (acres)	DISTURBED AREA (acres)
1	OSBORNE RD	32+34	8.3' RT	OUTFALL	0.55	0.60	6.52	7.09	7.74	8.38	11.92	12.19	12.46	12.74	1.44	0.92
2	WINDSOR PKWY	21+50	19.4' LT	OUTFALL	0.35	0.35	11.03	11.99	11.11	12.07	12.96	13.27	11.38	11.65	3.41	0.05
SHEET FLOW DISTURBED AREA =			0.36 AC													

PLANS COMPLETE 7/29/2019

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SCALE IN FEET
0 50 100 200

REVISION DATES
12/16/19

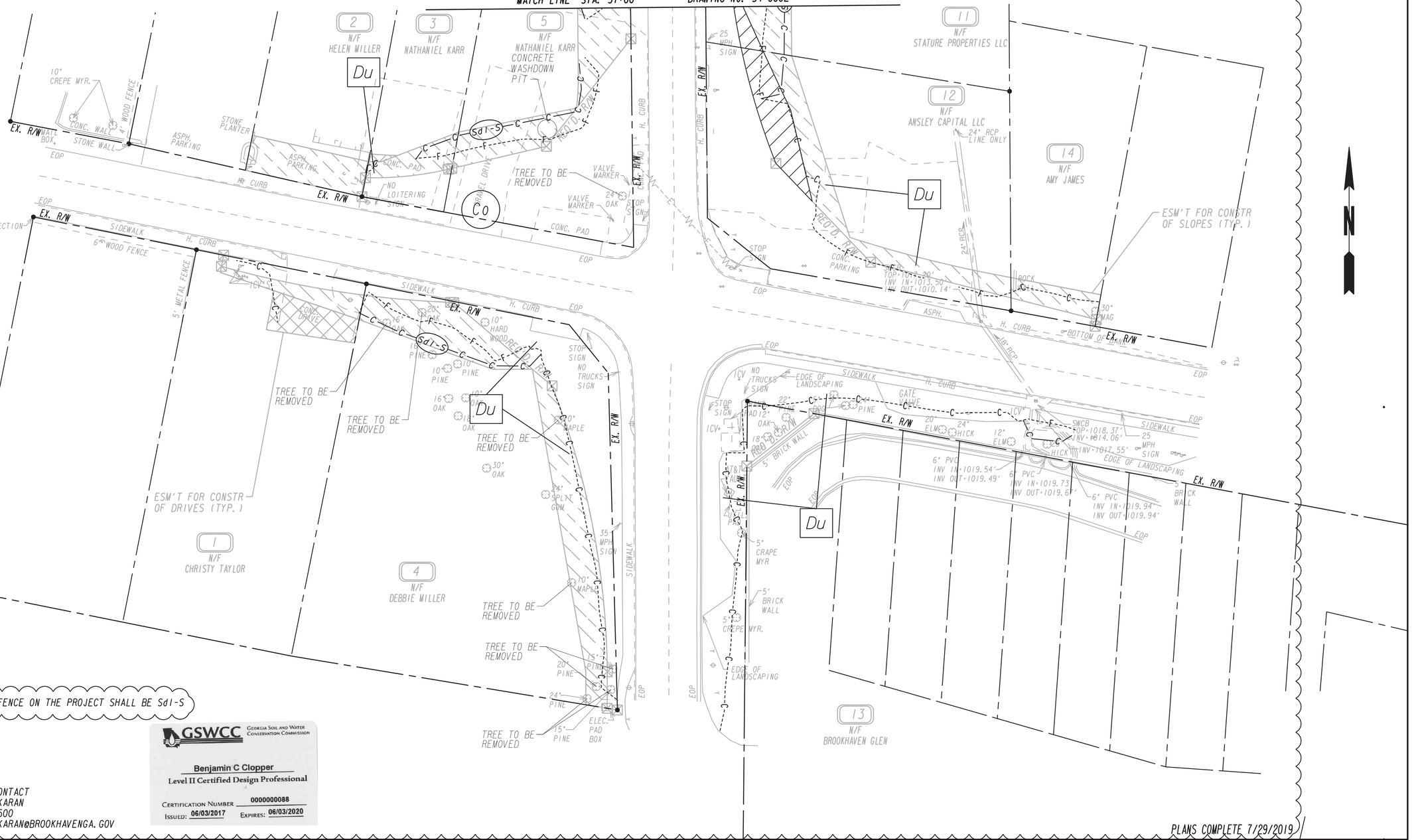
EROSION CONTROL DRAINAGE AREA MAP
WINDSOR PKWY AT OSBORNE ROAD

		DATE:		DRAWING No.
CHECKED:		DATE:		
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		53-0001
VERIFIED:		DATE:		

10/23/2015 GPLN

MATCH LINE STA. 31+00

DRAWING No. 54-0002



GSWCC Georgia Soil and Water Conservation Commission

Benjamin C Clopper
Level II Certified Design Professional

Certification Number 0000000088
Issued: 06/03/2017 Expires: 06/03/2020

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PLANS COMPLETE 7/29/2019

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)

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SCALE IN FEET
0 20 40 80

REVISION DATES
12/16/19
1/24/20

BMP LOCATION DETAILS

WINDSOR PKWY AT OSBORNE ROAD

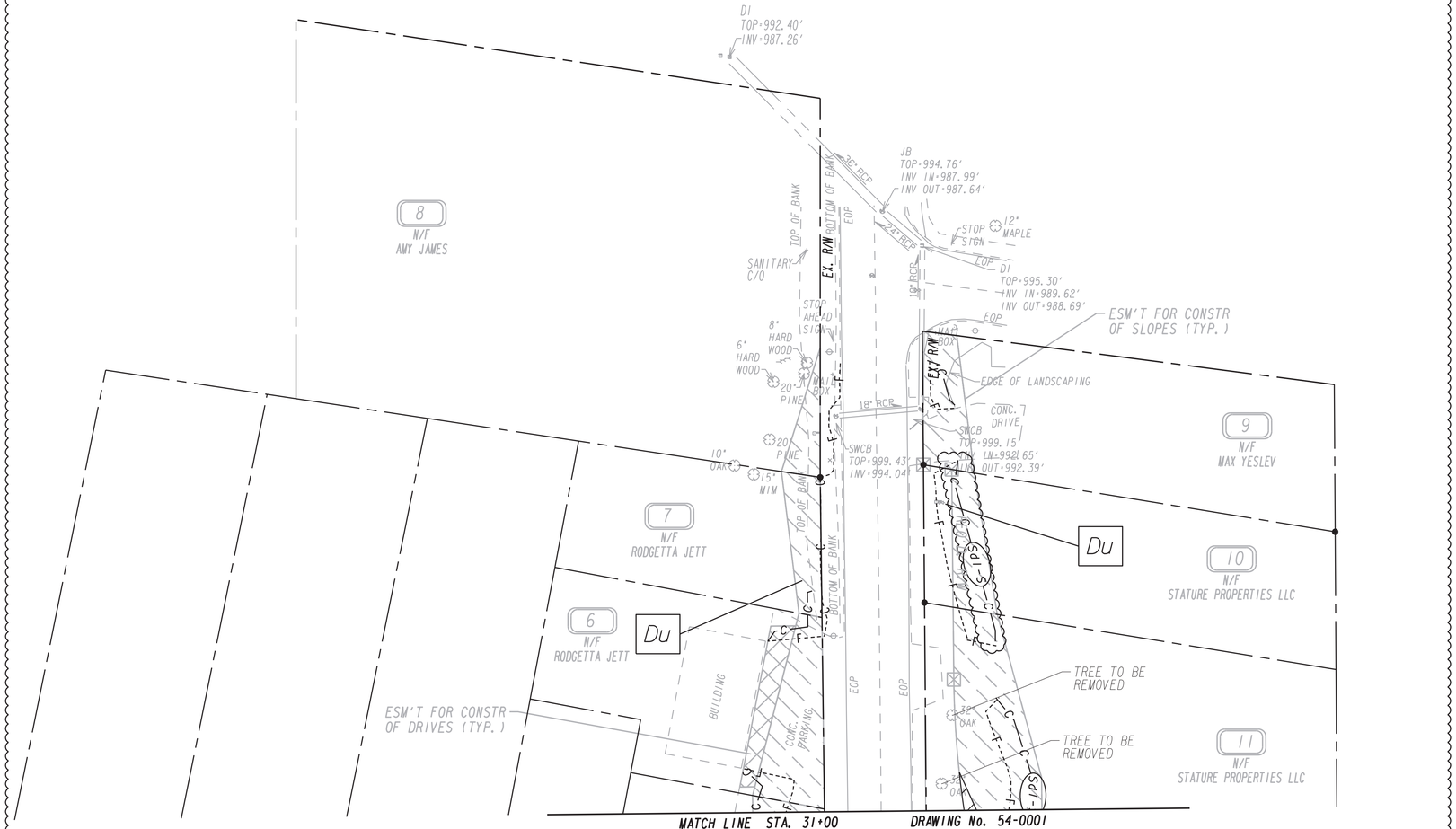
INITIAL STAGE

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

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

24-JAN-2020 13:32	1:32:30 PM	0162073_54-0002	R:\162073\DGNs\0162073_54-0002.dgn		P. I. No.
Ben.Clopper		GDOT_11x17.pen			



GSWCC Georgia Soil and Water Conservation Commission

Benjamin C Clopper
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Certification Number 0000000088
Issued: 06/03/2017 Expires: 06/03/2020

24 HOUR CONTACT
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ALL SILT FENCE ON THE PROJECT SHALL BE Sd1-S

PLANS COMPLETE 7/29/2019

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)

Michael Baker INTERNATIONAL
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SCALE IN FEET
0 20 40 80

REVISION DATES		
8/15/19		
10/26/20		

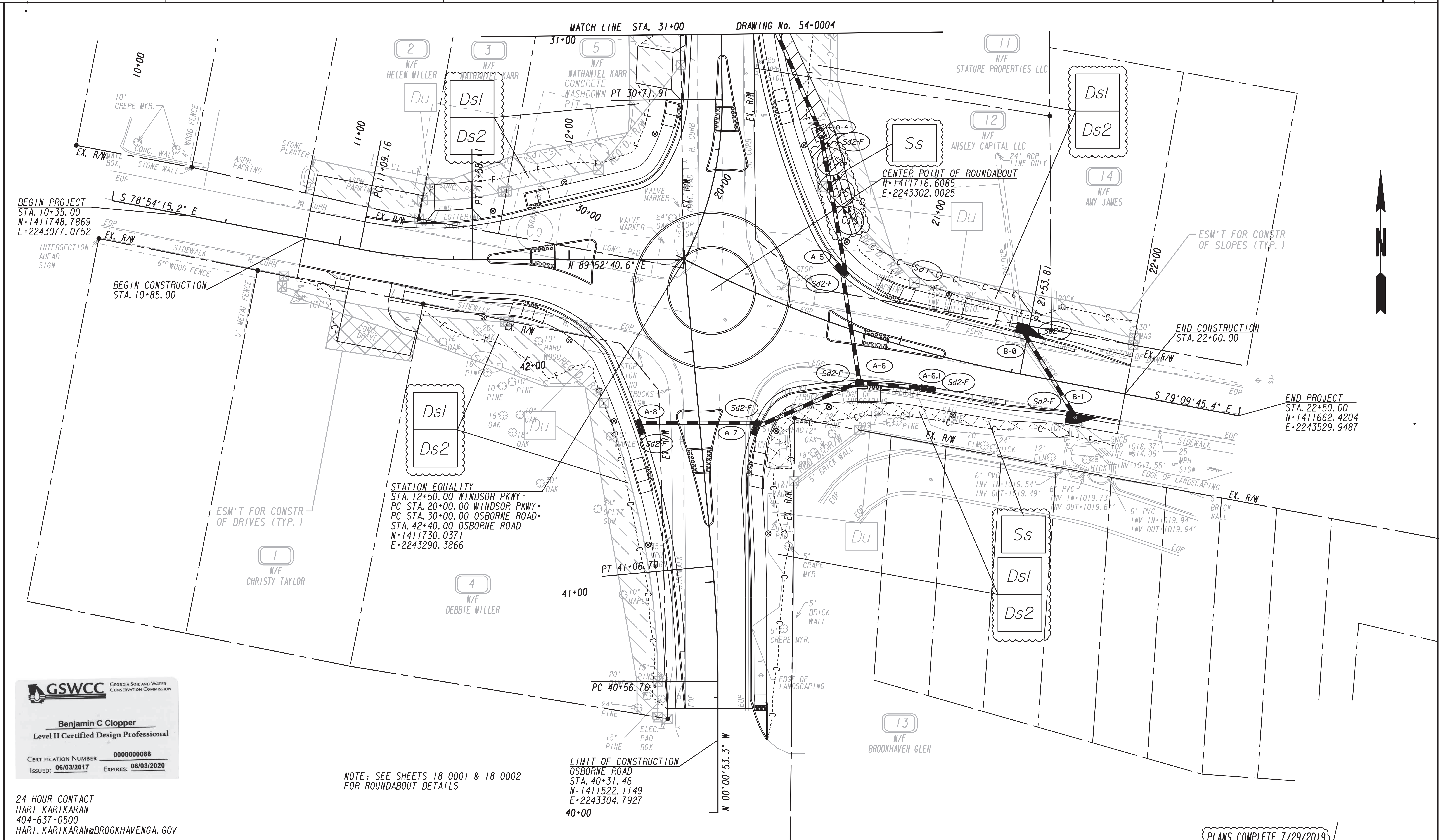
BMP LOCATION DETAILS
WINDSOR PKWY AT OSBORNE ROAD
INITIAL STAGE

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

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

18-DEC-2019 09:44 | 9:44:02 AM | 0162073_54-0003 | R:\162073\DGNs\0162073_54-0003.dgn | P.I. No.
Ben.Clapper | GDOT_11x17.pen



GSWCC Georgia Soil and Water Conservation Commission
Benjamin C Clopper
Level II Certified Design Professional
Certification Number 0000000088
Issued: 06/03/2017 Expires: 06/03/2020

NOTE: SEE SHEETS 18-0001 & 18-0002 FOR ROUNDABOUT DETAILS

24 HOUR CONTACT
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PLANS COMPLETE 7/29/2019

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)

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SCALE IN FEET
0 20 40 80

REVISION DATES
8/15/19
12/16/19

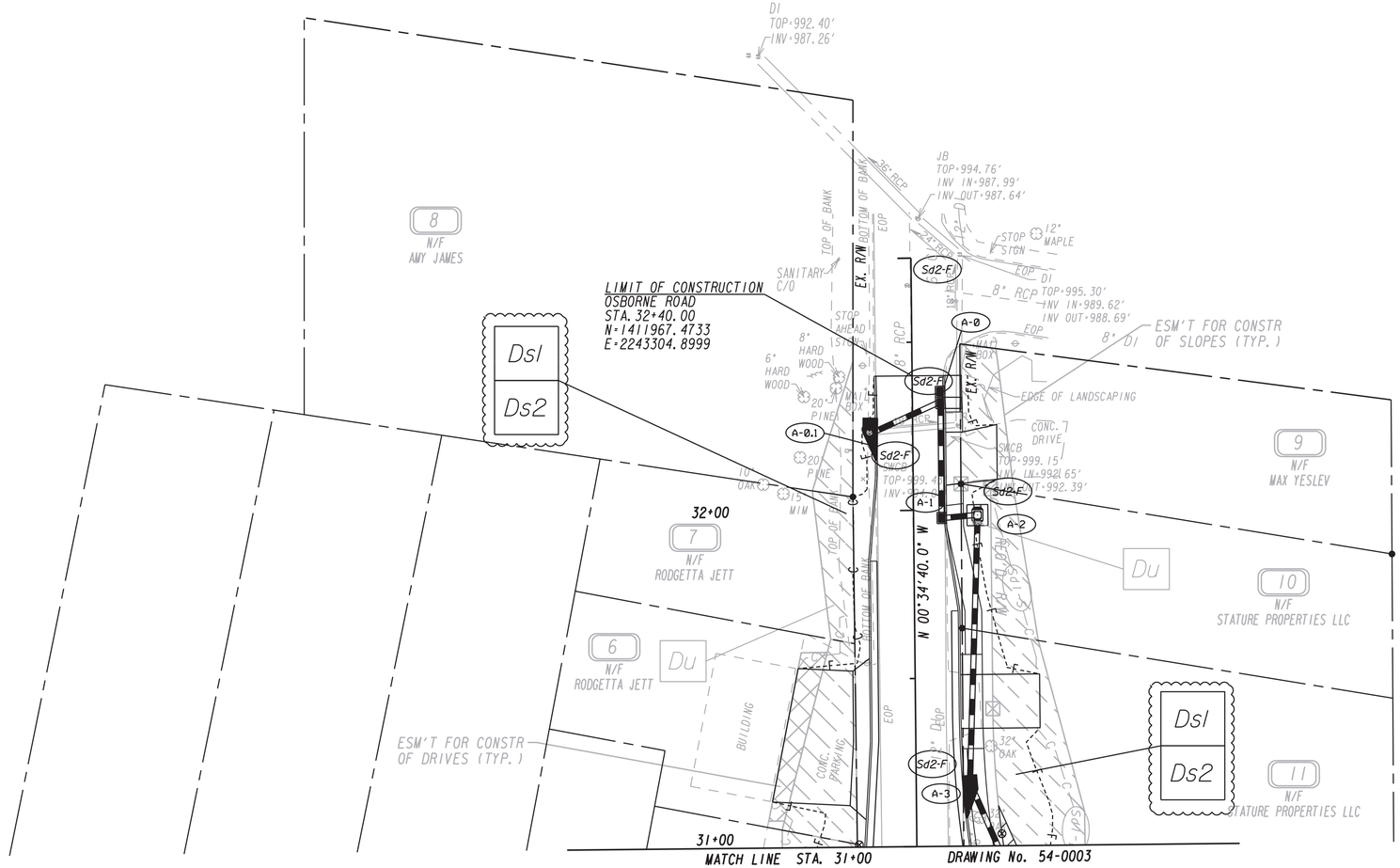
BMP LOCATION DETAILS
WINDSOR PKWY AT OSBORNE ROAD
STAGE I

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

DRAWING No.
54-0003

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070



GSWCC Georgia Soil and Water Conservation Commission

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Certification Number 0000000088
Issued: 06/03/2017 Expires: 06/03/2020

24 HOUR CONTACT
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PLANS COMPLETE 7/29/2019

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)

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SCALE IN FEET
0 20 40 80

REVISION DATES
8/15/19
12/16/19

BMP LOCATION DETAILS
WINDSOR PKWY AT OSBORNE ROAD
STAGE I

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0004
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

18-DEC-2019 09:45 | 9:45:46 AM | 0162073_54-0005 | R:\162073\DGNs\0162073_54-0005.dgn | P. I. No.
Ben.Clopper | GDOT_11x17.pen

WATCH LINE STA. 31+00 DRAWING No. 54-0006

BEGIN PROJECT
STA. 10+35.00
N=1411748.7869
E=2243077.0752

BEGIN CONSTRUCTION
STA. 10+85.00

S 78°54'15.2" E

N 89°52'40.6" E

CENTER POINT OF ROUNDABOUT
N=1411716.6085
E=2243302.0025

END CONSTRUCTION
STA. 22+00.00

S 79°09'45.4" E

END PROJECT
STA. 22+50.00
N=1411662.4204
E=2243529.9487

STATION EQUALITY
STA. 12+50.00 WINDSOR PKWY=
PC STA. 20+00.00 WINDSOR PKWY=
PC STA. 30+00.00 OSBORNE ROAD=
STA. 42+40.00 OSBORNE ROAD
N=1411730.0371
E=2243290.3866

PC 11+09.16
PT 11+58.11
PT 30+71.97
PT 21+53.81
PC 40+56.76
PT 41+06.70

LIMIT OF CONSTRUCTION
OSBORNE ROAD
STA. 40+31.46
N=1411522.1149
E=2243304.7927

N 00°00'53.3" W

ESM'T FOR CONSTR OF SLOPES (TYP.)
ESM'T FOR CONSTR OF DRIVES (TYP.)

NOTE: SEE SHEETS 18-0001 & 18-0002 FOR ROUNDABOUT DETAILS

1 N/F CHRISTY TAYLOR
2 N/F HELEN MILLER
3 N/F NATHANIEL KARR
4 N/F DEBBIE MILLER
5 N/F NATHANIEL KARR
11 N/F STATURE PROPERTIES LLC
12 N/F ANSLEY CAPITAL LLC
13 N/F BROOKHAVEN GLEN
14 N/F AMY JAMES

GSWCC Georgia Soil and Water Conservation Commission
Benjamin C Clopper
Level II Certified Design Professional
Certification Number 0000000088
Issued: 06/03/2017 Expires: 06/03/2020

24 HOUR CONTACT
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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)

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SCALE IN FEET
0 20 40 80

PLANS COMPLETE 7/29/2019

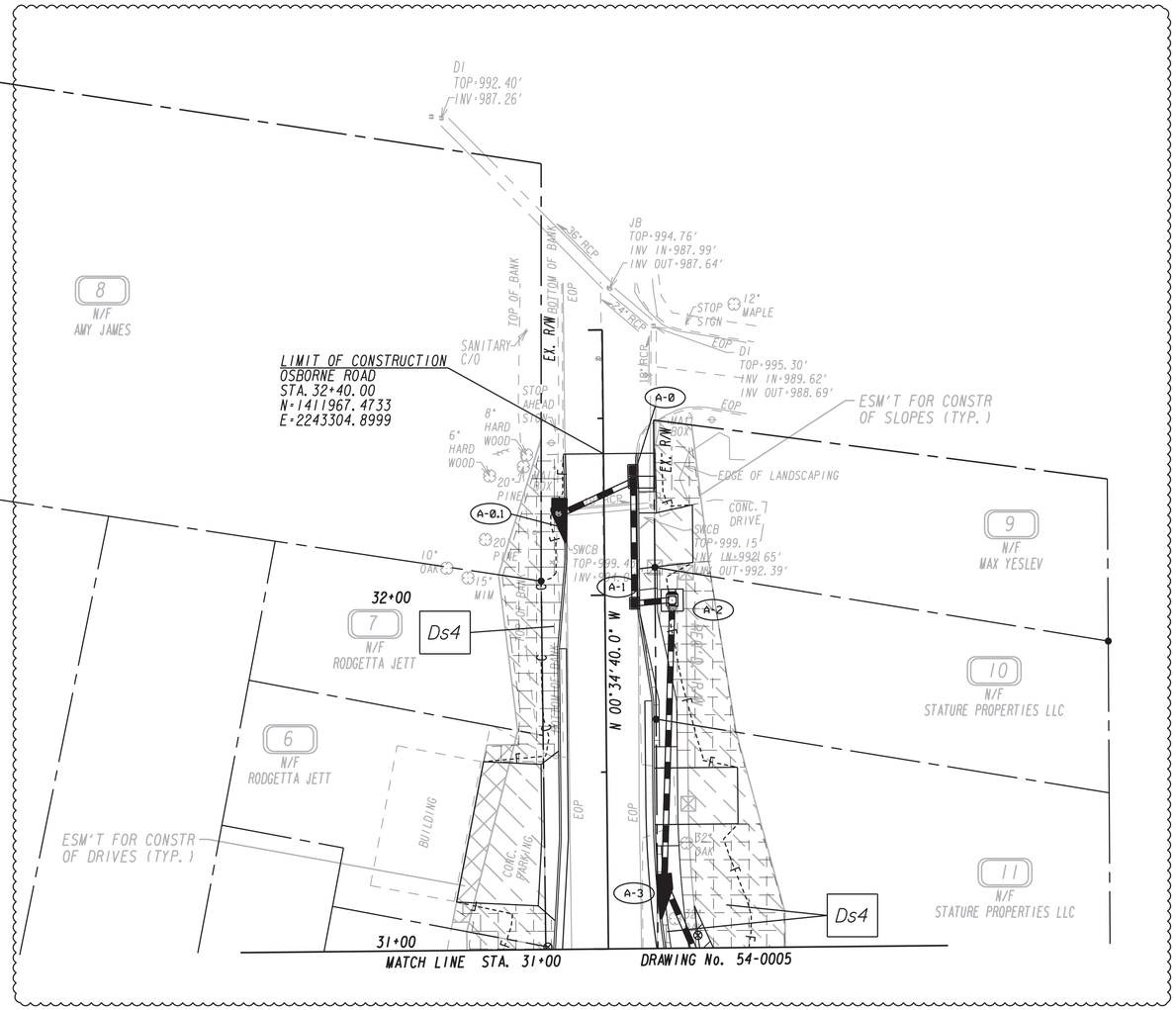
REVISION DATES
12/16/19

BMP LOCATION DETAILS
WINDSOR PKWY AT OSBORNE ROAD
STAGE 2

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0005
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070



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GSWCC Georgia Soil and Water Conservation Commission
Benjamin C Clopper
Level II Certified Design Professional
Certification Number 0000000088
Issued: 06/03/2017 Expires: 06/03/2020

PLANS COMPLETE 7/29/2019

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)

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SCALE IN FEET
0 20 40 80

REVISION DATES
12/16/19

BMP LOCATION DETAILS
WINDSOR PKWY AT OSBORNE ROAD
STAGE 2

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0006
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

18-DEC-2019 09:24 9:24:57 AM
Ben.Clopper

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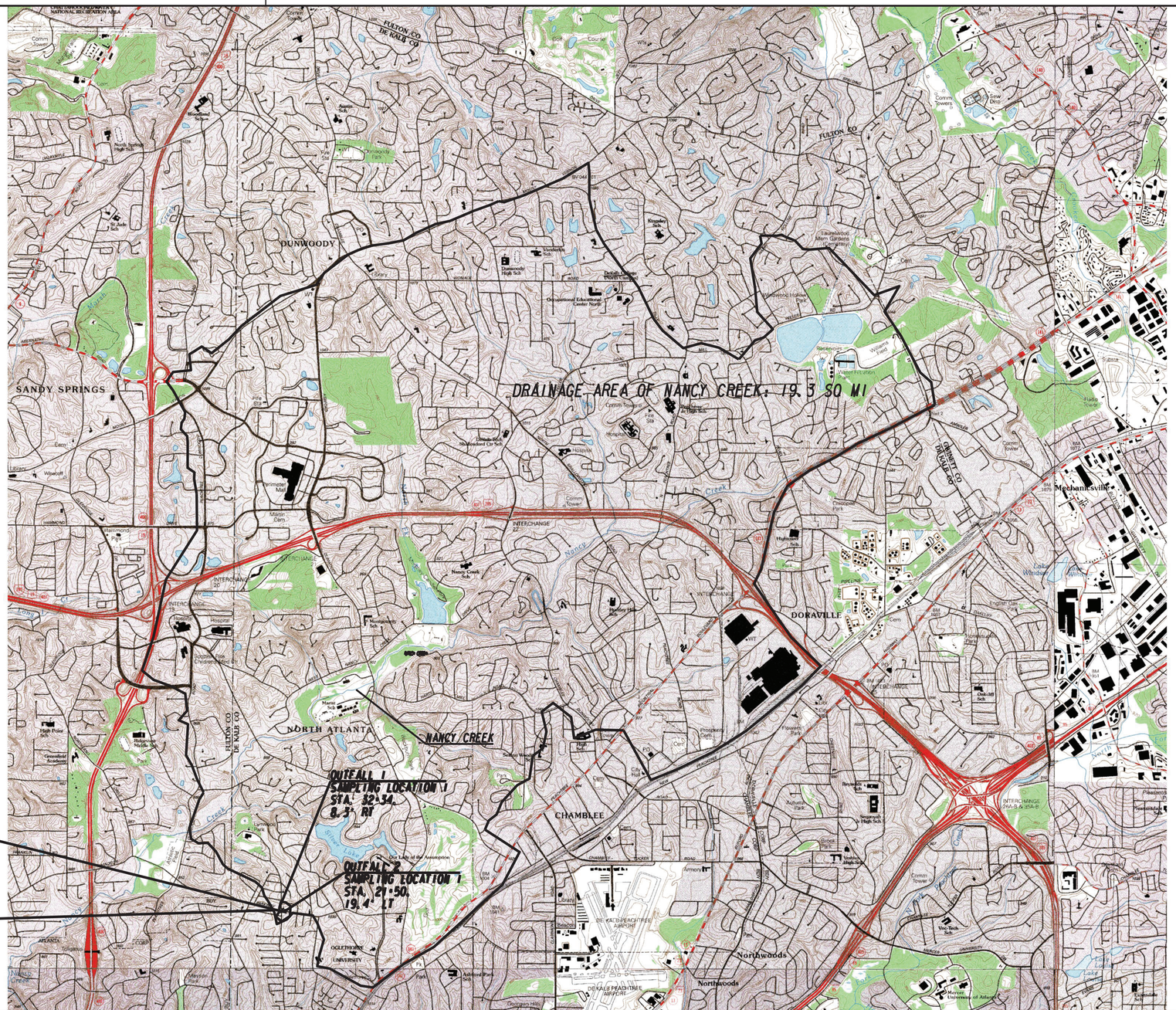
P. I. No.



PLANS COMPLETE 7/29/2019

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SCALE IN FEET
0 2000 4000 8000

REVISION DATES
12/16/19

WATERSHED MAP SITE MONITORING PLAN

WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		55-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

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Ben.Clapper GDOT_11x17.pen

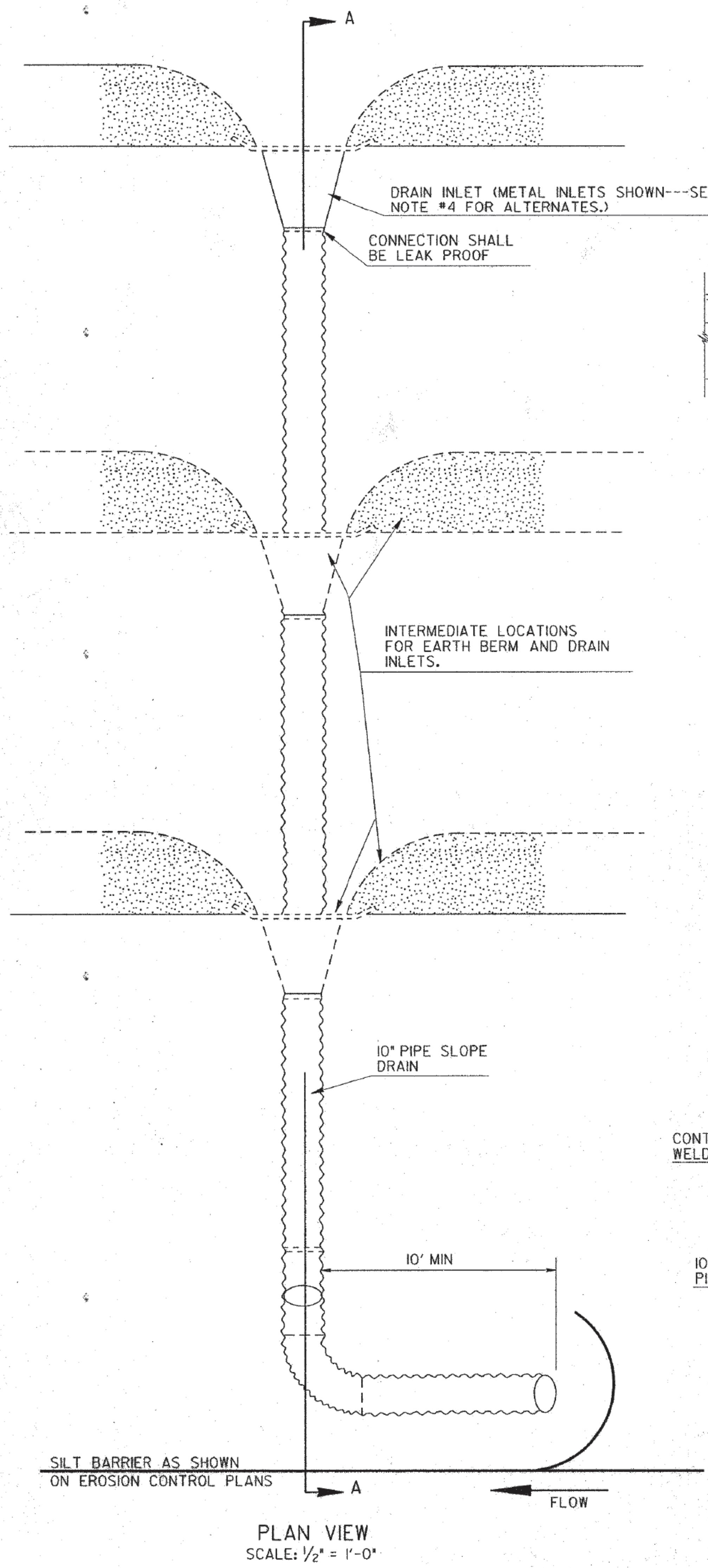
P.I. No.

Dn1

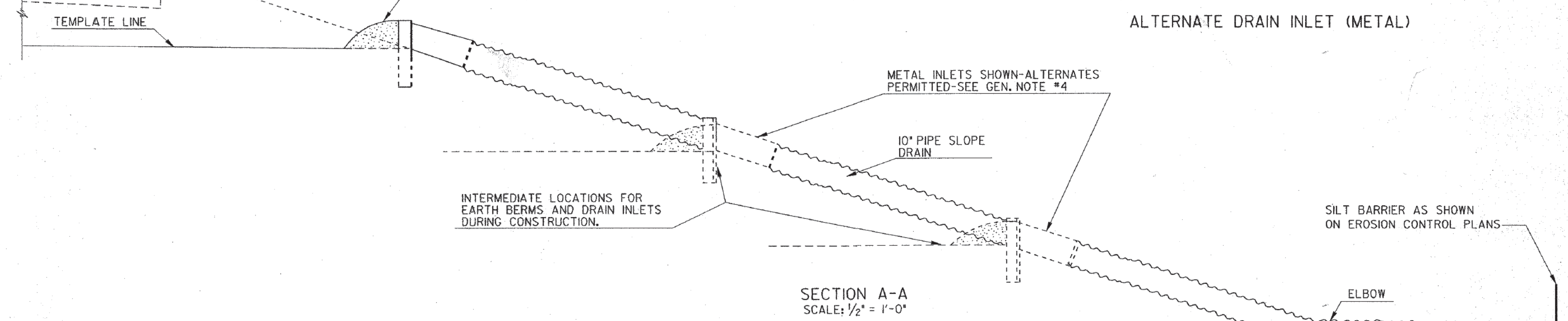
USES:

TEMPORARY PIPE SLOPE DRAIN IS USED TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TYPICAL SPACING SHALL BE AT INTERVALS OF 500 FEET ON DIAMETER TO 2% GRADES, 200 FEET ON STEEPER GRADES, AND MORE FREQUENTLY AS DICTATED BY EXISTING FIELD CONDITIONS.

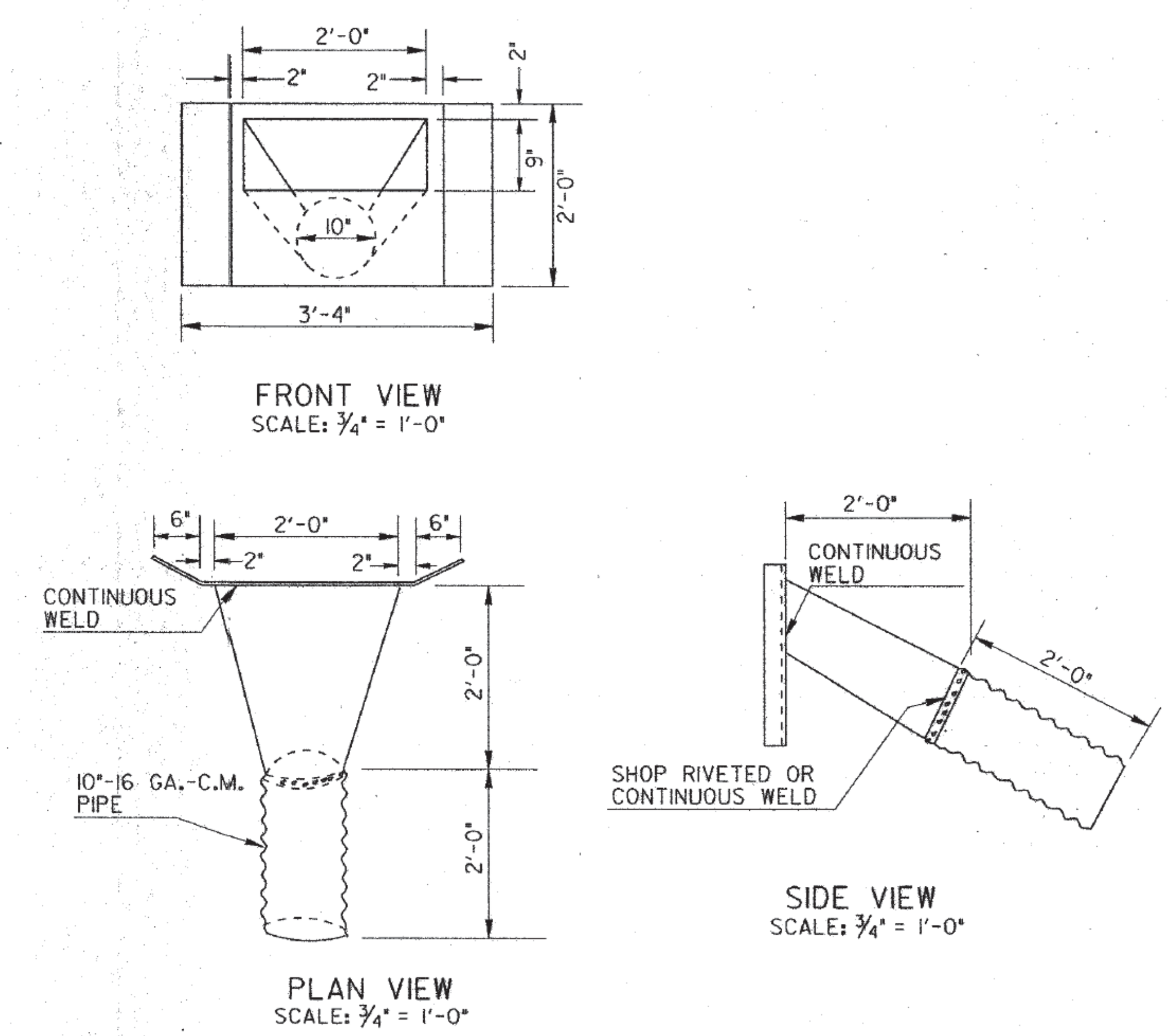
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

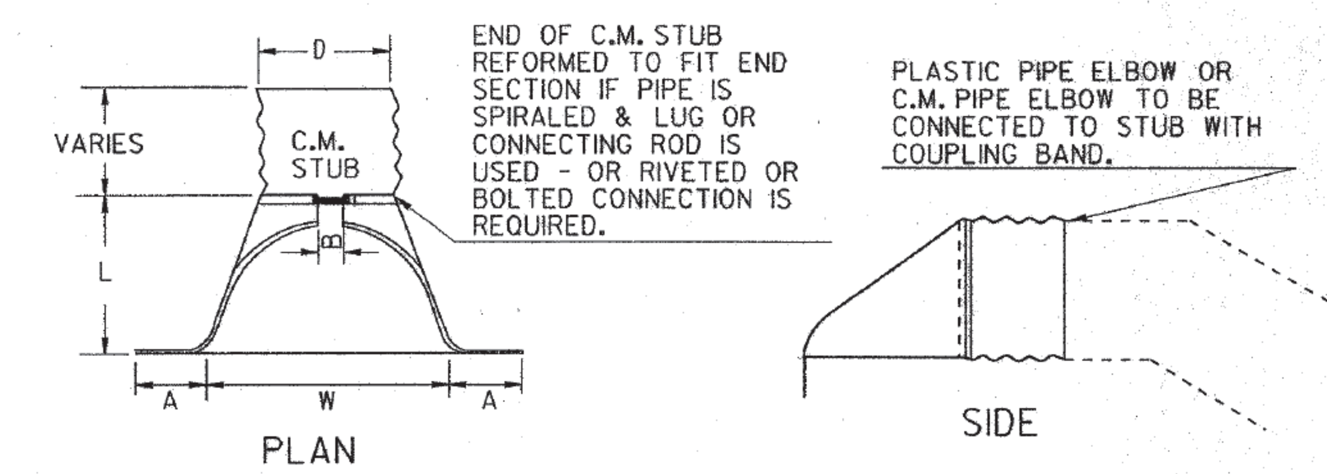


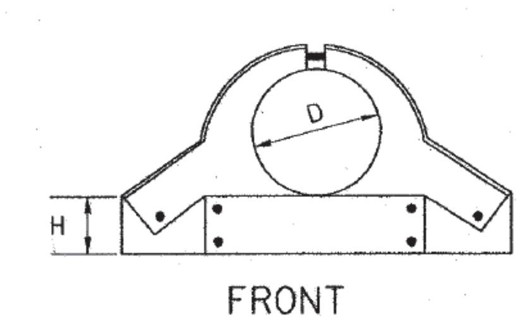
PLAN VIEW
SCALE: 1/2" = 1'-0"



SECTION A-A
SCALE: 1/2" = 1'-0"







TYPICAL DIMENSIONS							
D	GALV. STEEL	ALUM.	A	B	H	L	W
10"	18 GA	18 GA	7 1/2"	2 1/2"	6"	14 1/2"	21"
12"	16 GA	16 GA	5"	6"	6"	20"	24"

ALTERNATE DRAIN INLET (METAL)

GENERAL NOTES:

1. DRAIN INLETS AND SLOPE DRAIN PIPE USED FOR TEMPORARY EROSION AND POLLUTION CONTROL UNDER SECTION 163 WILL BE RETAINED FOR USE AS INVENTORY ITEMS BY THE CONTRACTOR.

2. EROSION PROTECTION AT PIPE OUTLET WILL BE PROVIDED AS APPROPRIATE. THE PIPE MAY BE EXTENDED TO OUTLET IN A PAVED DITCH OR TEMPORARY DISSIPATORS CONSTRUCTED OF LOGS OR STONE MAY BE USED. NO SEPARATE PAYMENT WILL BE MADE FOR THIS PROTECTION MEASURE.

3. SLOPE DRAIN PIPE MAY BE ANY TYPE ALLOWED BY THE GA. STANDARD SPECIFICATIONS.

4. ALLOWABLE DRAIN INLET ALTERNATES WILL BE:
   (A) IF SLOPE DRAIN IS PLASTIC, A PLASTIC DRAIN INLET OR PLASTIC FLARED END SECTION HAVING SIMILAR DESIGN TO METAL INLETS OR END SECTIONS MAY BE USED FOR THE DRAIN INLET.
   (B) A METAL FLARED END SECTION MAY BE USED WITH EITHER PLASTIC PIPE OR C.M. PIPE, IF THE END SECTION WAS MADE FOR LARGER PIPE THAN THE SLOPE DRAIN PIPE, AN APPROVED MODIFIED CONNECTION WILL BE REQUIRED BETWEEN THE PIPE AND THE END SECTION.
   (C) A SUMP HOLE WITH DIMENSIONS AT LEAST EQUIVALENT TO THE METAL DRAIN AND LINED WITH POLYETHYLENE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER MAY BE USED WITH ANY TYPE OF PIPE.
   (D) THE METAL DRAIN INLET SHOWN MAY BE USED WITH EITHER 10" C.M. PIPE OR PLASTIC PIPE.

5. THE CONTRACTOR MAY ELECT TO USE PIPE LARGER THAN 10" DIAMETER WITH NO ADDITIONAL PAYMENT.

REVISION	DATE	BY
ADDED ELBOW	2-25-00	

CONSTRUCTION DETAILS
TEMPORARY PIPE SLOPE DRAIN WITH DRAIN INLET

SCALE AS SHOWN

D-19

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REVISION DATES

EROSION CONTROL CONTRUCTION DETAILS
WINDSOR PKWY AT OSBORNE ROAD

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

DRAWING No.
56-0001

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

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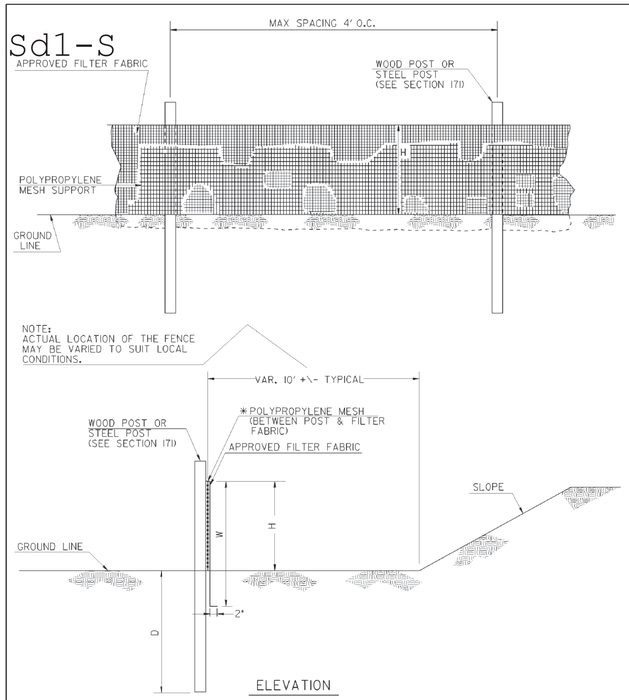
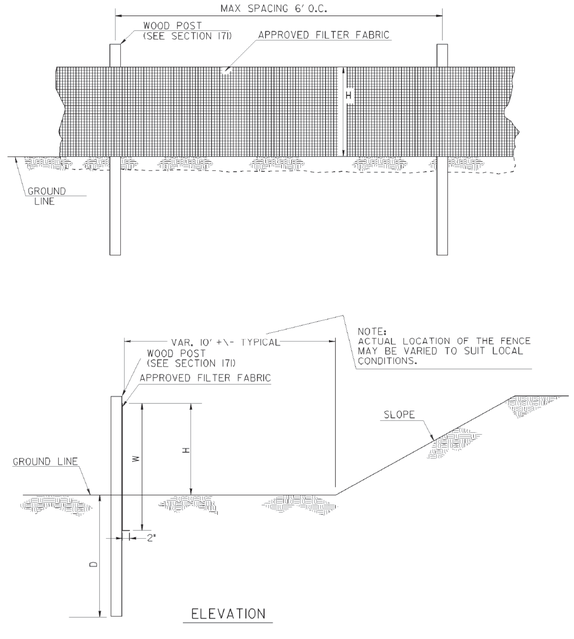
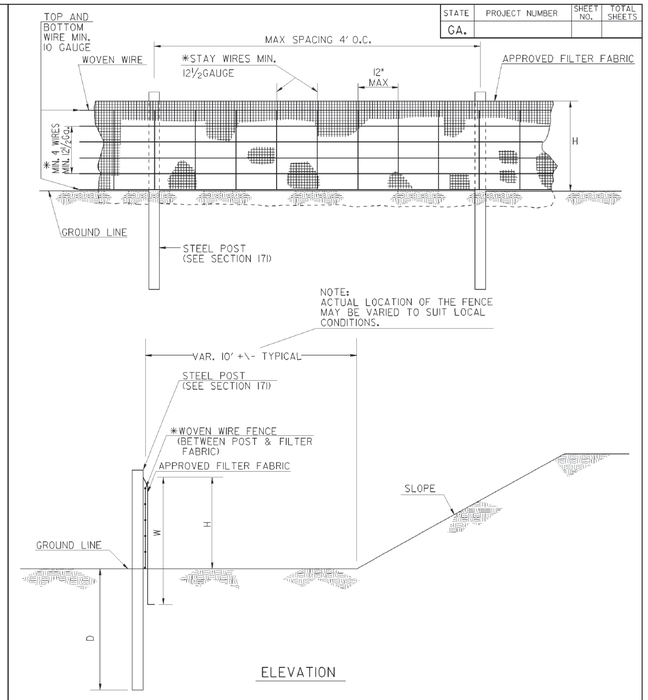


SINGLE ROW TYPE C SILT FENCE WITH POLYPROPYLENE MESH SUPPORT



SINGLE ROW TYPE A SILT FENCE



SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT

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.

TYPE A SILT FENCE IS NOT USED ON THIS PROJECT

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST ½ INCHES LONG AND A CROWN AT LEAST ¾INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1INCH LONG , WITH BUTTON HEADS AT LEAST ¾ 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 12½ 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.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

NO SCALE — REV. AND REDRAWN JAN. 2011

NUMBER D-24A (SHEET 1 OF 4)

DATE | REVISION | BY

PLANS COMPLETE 7/29/2019

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REVISION DATES
12/16/19

EROSION CONTROL CONTRUCTION DETAILS
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		56-0002
VERIFIED:		DATE:		

10/23/2015 GPLN

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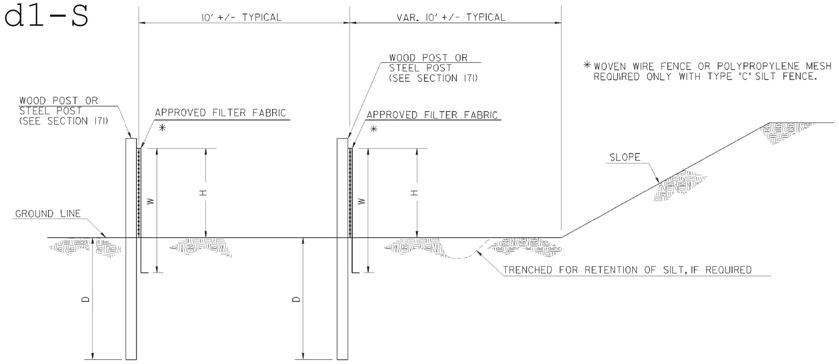
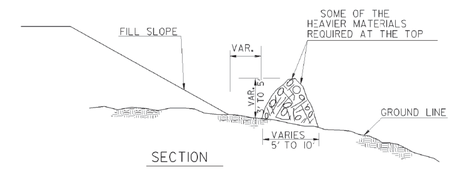


ELEVATION

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.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS



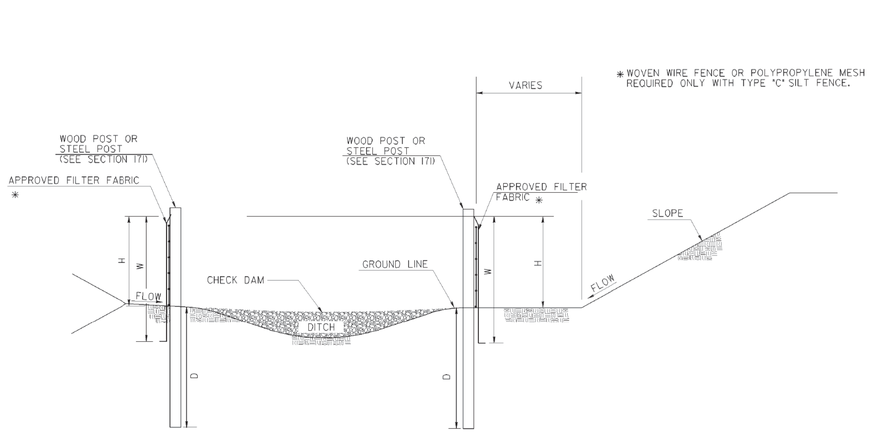
SECTION

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

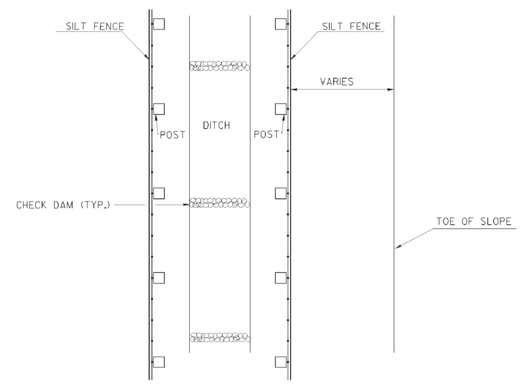
FRONT VIEW

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

BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)



ELEVATION



PLAN

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.

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

TEMPORARY SILT FENCE

BERM DITCH, INSTALLATION, BRUSH BARRIER

NO SCALE | REV. AND REDRAWN JAN. 2011

DATE | REVISION | BY

NUMBER D-24B
(SHEET 2 OF 4)

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PLANS COMPLETE 7/29/2019

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REVISION DATES

12/16/19		

EROSION CONTROL CONTRUCTION DETAILS
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
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CORRECTED:		DATE:		56-0003
VERIFIED:		DATE:		

10/23/2015 GPLN

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

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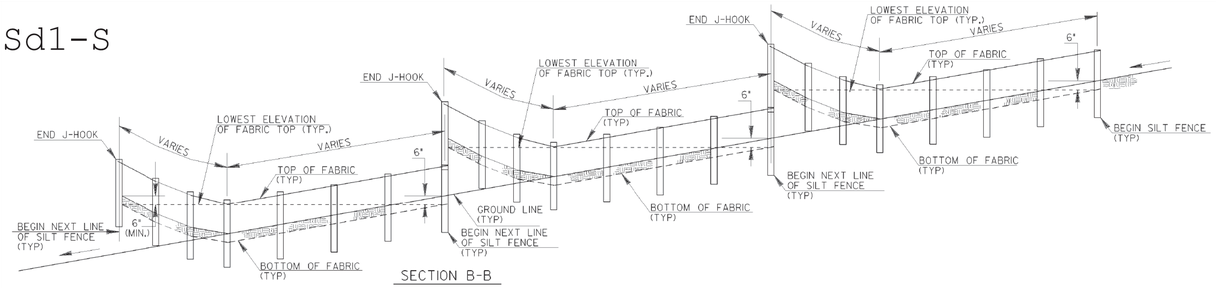
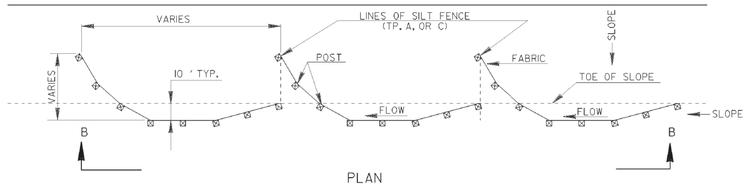
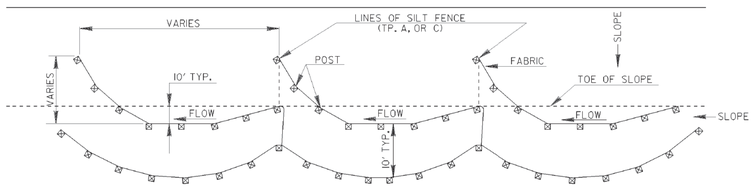


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



PLAN

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:

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

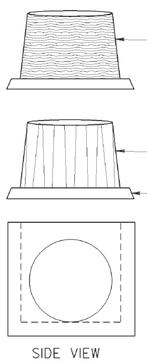
(PLASTIC ALTERNATE)

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

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

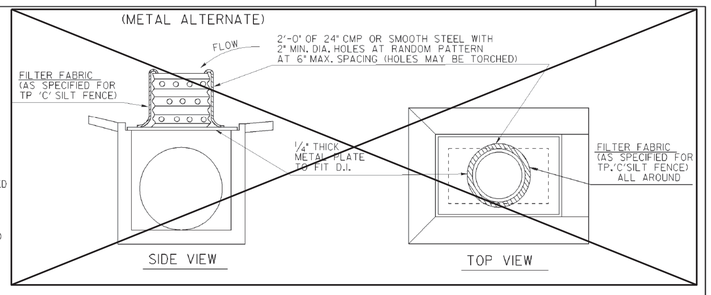
1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. 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.



SIDE VIEW

(METAL ALTERNATE)



NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

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.

METAL ALTERNATIVE IS NOT PERMITTED ON THIS PROJECT

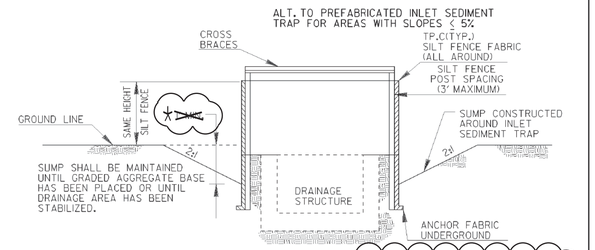
INLET SEDIMENT TRAP - FOR DROP INLETS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

Sd2-F

TYPICAL LOCATION AROUND DROP INLETS

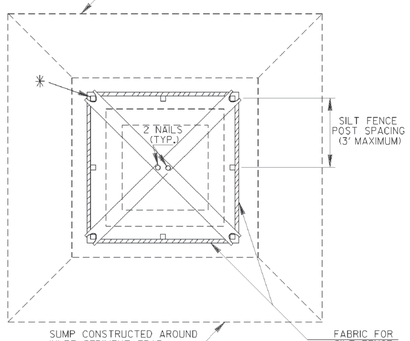
ALT. TO PREFABRICATED INLET SEDIMENT TRAP FOR AREAS WITH SLOPES ≤ 5%



ELEVATION

* THE MINIMUM DEPTH OF EXCAVATION AROUND INLET SEDIMENT TRAPS IS 1.5'

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



PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
J-HOOK, INLET SEDIMENT TRAPS

NO SCALE — JANUARY 2011

DATE | REVISION | BY

NUMBER D-24C (SHEET 3 OF 4)

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PLANS COMPLETE 7/29/2019

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REVISION DATES		
12/16/19		
1/24/20		

EROSION CONTROL CONSTRUCTION DETAILS

WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0004
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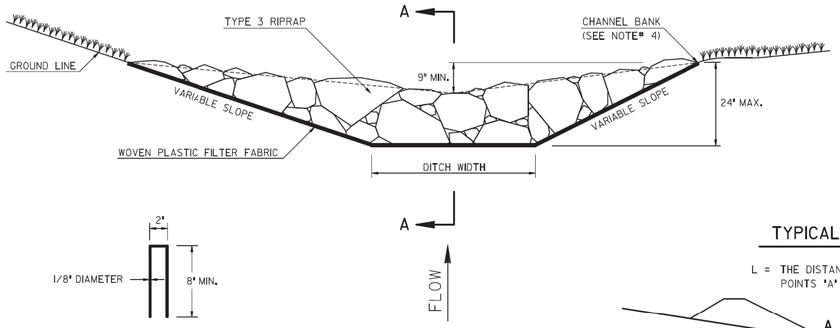
VERIFIED:		DATE:		

10/23/2015 GPLN

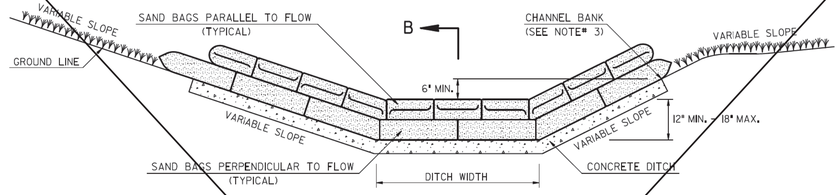
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

STONE CHECK DAM



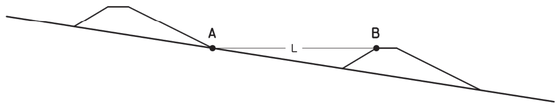
METAL FILTER FABRIC STAPLE

SAND BAG CHECK DAM



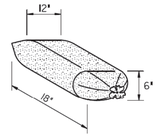
TYPICAL CHECK DAM SPACING

L = THE DISTANCE BETWEEN CHECK DAMS SUCH THAT POINTS "A" AND "B" ARE OF EQUAL ELEVATION

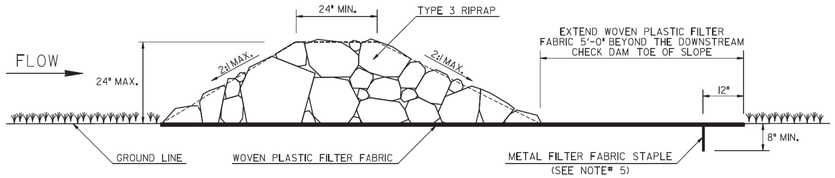


SAND BAG DIMENSIONS

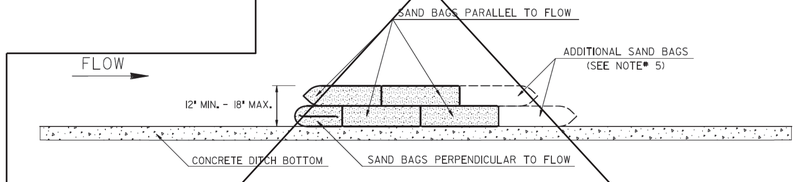
(SEE NOTE# 6)



SECTION A-A



SECTION B-B



STONE CHECK DAM GENERAL NOTES:

1. STONE CHECK DAMS SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
2. APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED DOWNSTREAM OF STONE CHECK DAMS AT THE DISCHARGE POINT FOR FLOWS GREATER THAN 2.0-CUBIC FEET PER SECOND.
3. STONE CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
4. THE CENTER OF THE STONE CHECK DAM SHALL BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE STONE CHECK DAM. THE HEIGHT AT THE CENTER OF THE STONE CHECK DAM MAY BE INCREASED TO A MAXIMUM OF 24-INCHES IF A MINIMUM OF 9-INCHES OF FREEBOARD IS STILL PROVIDED AT THE CHANNEL BANK.
5. 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.
6. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE STONE CHECK DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.
7. PROVIDE PERMANENT CHANNEL PROTECTION AS SHOWN AND/OR NOTED IN THE PLANS AFTER STONE CHECK DAM IS REMOVED.

SAND BAG CHECK DAM GENERAL NOTES:

1. SAND BAG CHECK DAMS ARE ONLY USED FOR TEMPORARY VELOCITY CONTROL IN CONCRETE LINED DITCHES AND SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
2. APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED UPSTREAM AND/OR DOWNSTREAM OF CONCRETE DITCHES.
3. THE CENTER OF THE SAND BAG CHECK DAM SHALL BE AT LEAST 6-INCHES LOWER THAN THE OUTER EDGES OF THE SAND BAG CHECK DAM AT THE GROUND LINE. THE HEIGHT AT THE CENTER OF THE SAND BAG CHECK DAM SHALL BE A MINIMUM OF 12-INCHES AND A MAXIMUM OF 18-INCHES.
4. INSTALL SAND BAGS TIGHTLY ABUTTING EACH OTHER AND STACK IN A RUNNING BOND PATTERN. FOLD ANY FLAPS AWAY FROM WATER FLOW.
5. IF ADDITIONAL SAND BAGS ARE WARRANTED FOR STABILITY, INSTALL AS SHOWN AND DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.
6. SAND BAG SIZES MAY VARY. ASSUME A FILLED SAND BAG HAS APPROXIMATE DIMENSIONS OF 12"W×6"H×18"L.
7. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SAND BAG CHECK DAM. SAND BAGS SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED AT NO ADDITIONAL COST TO THE DEPARTMENT.

SAND BAG CHECK DAMS ARE NOT USED ON THIS PROJECT

NOTE:
SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF STONE CHECK DAMS AND SAND BAG CHECK DAMS. SEE STANDARD SPECIFICATION165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF STONE CHECK DAMS AND SAND BAG CHECK DAMS.

PAY ITEMS:
163-0527 CONSTRUCT AND REMOVE RIPRAP CHECK DAMS, STONE PLAIN RIPRAP/SAND BAGS (EA)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
STONE RIPRAP & SAND BAG TEMPORARY CHECK DAMS

NO SCALE | 11-28-2018

DESIGNED DLE
DRAWN DLE
TRACED
CHECKED

NUMBER D-56

REVISION | DATE | BY

PLANS COMPLETE 7/29/2019

24 HOUR CONTACT
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REVISION DATES
12/16/19

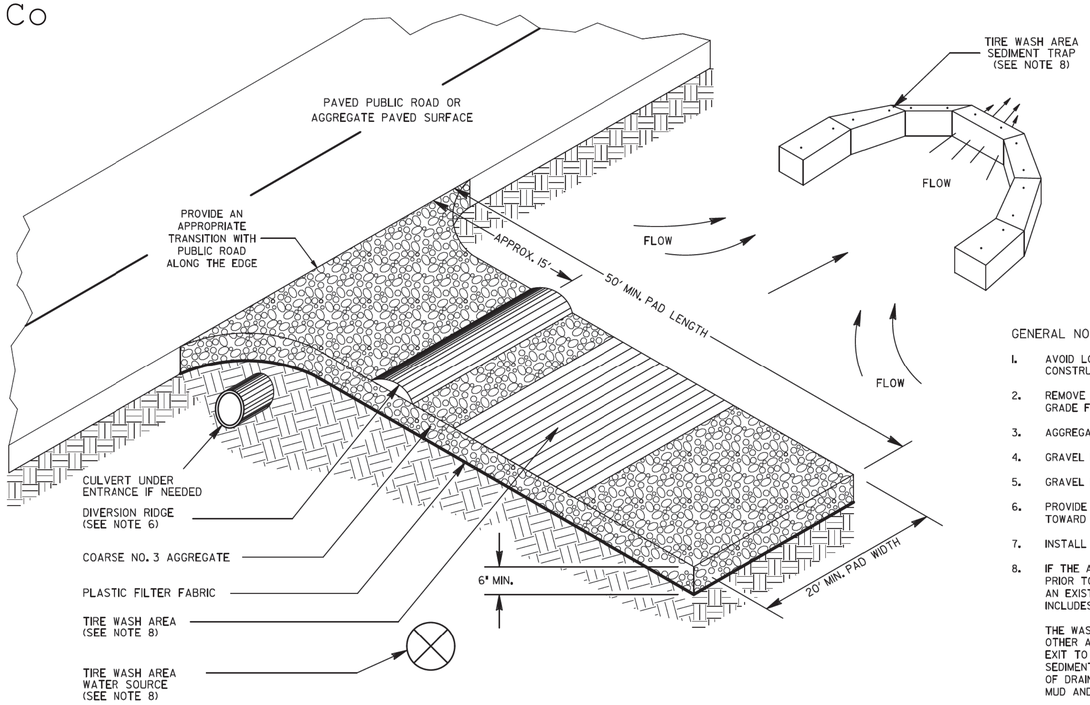
EROSION CONTROL CONTRUCTION DETAILS
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		56-0005
VERIFIED:		DATE:		

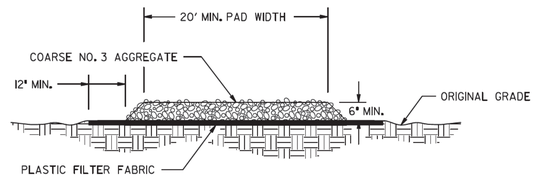
10/23/2015 GPLN

Co

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



ENTRANCE ELEVATION



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 1.06 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. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE WASH ASSEMBLY TO AN EXISTING CONSTRUCTION EXIT WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE WASH ASSEMBLY INCLUDES: TIRE WASH AREA, WATER SOURCE, AND SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE.

   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.
9. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
10. 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 WILL BE PAID ON THE BASIS OF HAVING OR NOT HAVING A CONSTRUCTION EXIT TIRE WASH ASSEMBLY 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 STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE STANDARD SPECIFICATION 165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

PAY ITEMS:

163-0300	CONSTRUCTION EXIT	(EA)
163-0310	CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH ASSEMBLY	(EA)

BY	DATE	REVISION
DLE	04-18-18	REV. TIRE WASH & NOTES
DLE	04-22-16	REV. GSMCC 2016 MANUAL
TPC	01-19-11	REV. CONSTR. EXIT LABELS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

NO SCALE FEBRUARY 2001

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-41

PLANS COMPLETE 7/29/2019

24 HOUR CONTACT
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REVISION DATES		
12/16/19		

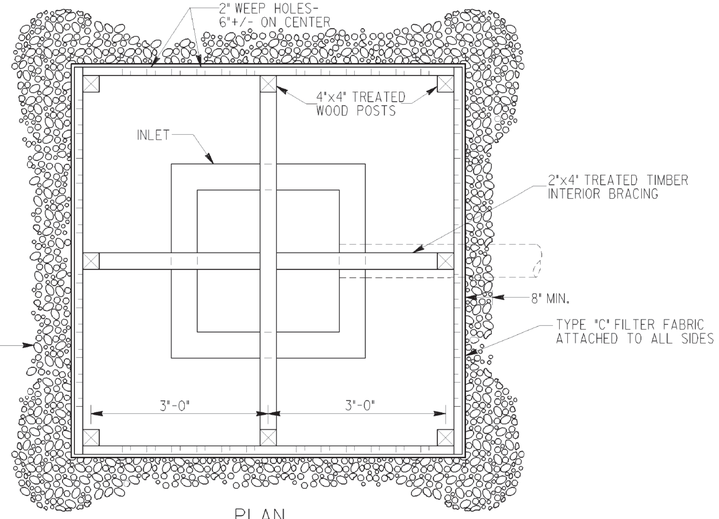
EROSION CONTROL CONTRUCTION DETAILS

WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		56-0006
VERIFIED:		DATE:		

10/23/2015 GPLN

Sd2-F

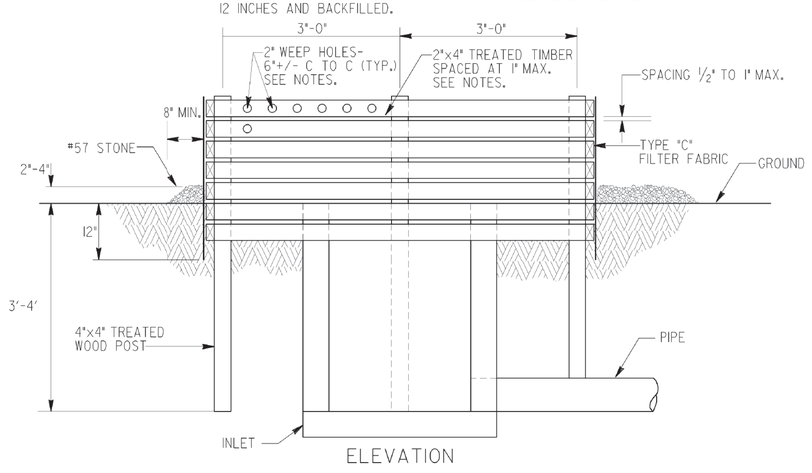


PLAN

NOTES:

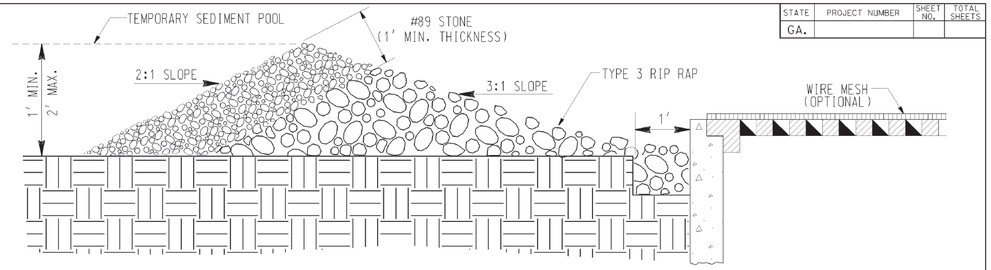
BAFFLE BOX SHALL BE CONSTRUCTED OF 2"x4" TREATED TIMBER SPACED A MAXIMUM OF 1" APART OR OF PLYWOOD WITH WEEP HOLES 2" IN DIAMETER PLACED APPROXIMATELY 6" ON CENTER VERTICALLY AND HORIZONTALLY.

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.



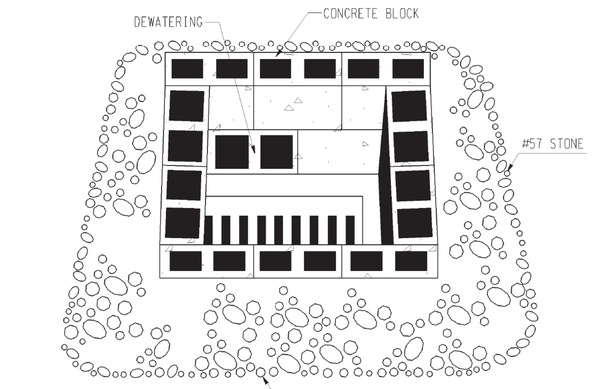
ELEVATION

BAFFLE BOX (Sd2-B)

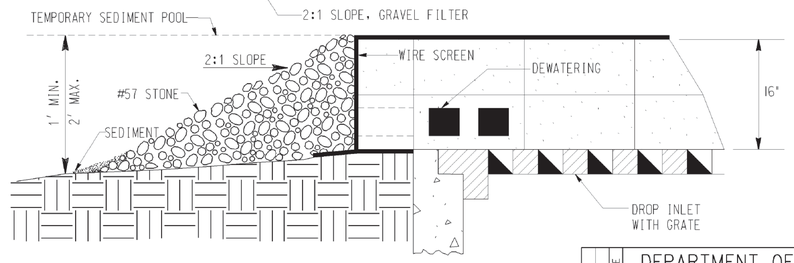


GRAVEL DROP INLET PROTECTION
(GRAVEL DONUT) Sd2-G

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



NOTE: SEE 56-0004 FOR EXCAVATION REQUIREMENTS AROUND ALL INLET SEDIMENT TRAPS



BLOCK & GRAVEL DROP
INLET PROTECTION
(Sd2-Bg)

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

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

DATE | REVISION | BY | NUMBER D-42

PLANS COMPLETE 7/29/2019

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REVISION DATES
12/16/19

EROSION CONTROL CONTRUCTION DETAILS
WINDSOR PKWY AT OSBORNE ROAD

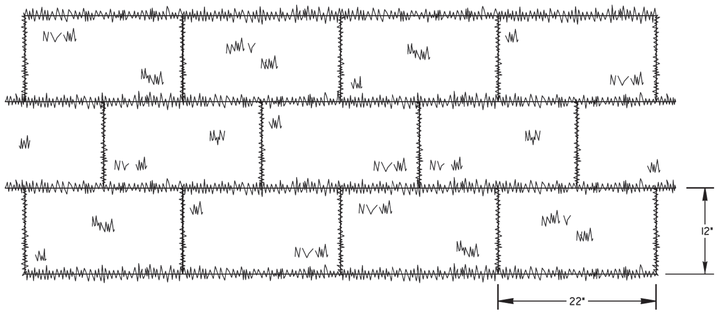
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

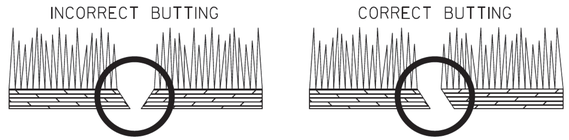
Ds4

SOD LAYOUT

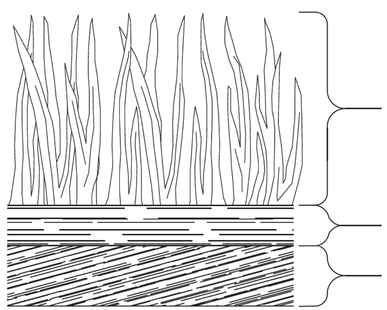


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52' LONG ROLLS.

ABUTTING SOD



SOD APPEARANCE



GENERAL NOTES:

1. SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 21"Wx52'L ROLLS.
2. PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
3. PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
4. STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
5. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
6. WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
7. MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

PAY ITEM:
700-9300 SOD (SY)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

SOD INSTALLATION

NO SCALE 4-22-2016

DESIGNED
DRAWN DLE
TRACED
CHECKED

NUMBER D-54

PLANS COMPLETE 7/29/2019

24 HOUR CONTACT
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REVISION DATES		
12/16/19		

EROSION CONTROL CONTRUCTION DETAILS
WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0008
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

Ds1

Mulch

Requirements

When stage construction or other conditions prevent completing a roadway section continuously, apply mulch (straw or hay or erosion control compost) to control erosion. Mulch may be used without temporary grassing for 60 calendar days or less. Areas stabilized with only mulch (straw/hay) shall be planted with temporary grass after 60 calendar days.

Apply mulch as follows:

1. Mulch (Hay or Straw) - Without Grass Seed
   a. Uniformly spread the mulch over the designated areas from 2 in to 4 in (50 mm to 100 mm) thick.
   b. After spreading the mulch, walk in the mulch by using a tracked vehicle (preferred method), empty sheep foot roller, light disking, or other means that preserves the finished cross section of the prepared areas. The Engineer will approve of the method.
   c. Place temporary mulch on slopes as steep as 2:1 by using a tracked vehicle to imbed the mulch into the slope.
   d. When grassing operations begin, leave the mulch in place and plow the mulch into the soil during seed bed preparation. The mulch will become beneficial plant food for the newly planted grass.
2. Erosion control compost - Without Grass Seed
   a. Uniformly spread the mulch (erosion control compost) over the designated areas 2 in (50 mm) thick.
   b. When rolling is necessary, or directed by the Engineer, use a light corrugated drum roller.
   c. When grassing operations begin, leave the mulch in place and plow the mulch into the soil during seed bed preparation. The mulch will become beneficial plant food for the newly planted grass.
   d. Plant temporary grass on area stabilized with mulch (erosion control compost) after 60 calendar days.
   e. Do not use Erosion Control Compost in areas where the use of fertilizer is restricted.

Measurement

Mulch (straw or hay, or erosion control compost) is measured for payment by the ton.

Payment

Mulch is paid for by the ton. Payment is full compensation for all materials, labor, maintenance, equipment and other incidentals.
The weight for payment of straw or hay mulch will be the product of the number of bales used and the average weight per bale as determined on certified scales provided by the contractor or state certified scales. Provide written documentation to the Engineer stating the average weight of the bales.
The weight of erosion control compost mulch will be determined by weighing each loaded vehicle on the required motor truck scale as the material is hauled to the roadway, or by using recorded weights if a digital recording device is used.
The contractor may propose other methods of providing the weight of the mulch to Engineer for approval.

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

DEFINITION

The establishment of temporary vegetative cover with fast growing seedings for seasonal protection on disturbed or denuded areas.

CONDITIONS

Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established.
eeded.

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	RATE Per 1,000 sq.ft.	RATE Per Acre *	PLANTING DATES **
Rye	3.9 pounds	3 bu.	9/1-3/1
Ryegrass	0.9 pound	40 lbs.	8/15-4/1
Annual Lespedeza	0.9 pound	40 lbs.	1/15-3/15
Weeping Lovegrass	0.1 pound	4 lbs.	2/15-6/15
Sudangrass	1.4 pounds	60 lbs.	3/1-8/1
Browntop Millet	0.9 pound	40 lbs.	4/1-7/15
Wheat	4.1 pounds	3 bu.	9/15-2/1

* Unusual site conditions may require heavier seeding rates
** Seeding dates may need to be altered to fit temperture variations and conditions.

SPECIFICATIONS

Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.

No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or handseeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.

When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soils can be tested to determine if fertilizer is needed. On reasonably fertile soils or soil material, fertilizer is not required. For soils with very low fertility, 500 to 700 pounds of 10-10-10 fertilizer or the equivalent per acre (12-16 lbs./1,000 sq. ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk, ripper or chisel.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand.

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch. Mulch without seeding should be considered for short term protection. Refer to Ds1 - Disturbed Area Stabilization (With Mulching Only).

Irrigation

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

Ds4 DISTURBED AREA STABILIZATION (WITH SODDING)

DEFINITION

A permanent vegetation using sods on highly erodible or critically eroded lands.

CONDITIONS

This application is appropriate for areas which require immediate vegetative covers, drop inlets, grass swales, and waterways with intermittent flow .

CONSTRUCTION SPECIFICATIONS INSTALLATION

Soil Preparation

- Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces, or gravel type soils.
- Topsoil properly applied will help guarantee stand. Don't use topsoil recently treated with herbicides or soil sterilants.
- Mix fertilizer into soil surface. Fertilize based on soil tests or Table 6-6.1. For fall planting of warm season species, half the fertilizer should be applied at planting and the other half in the spring.

Table 6-6.1. Fertilizer Requirements for Soil Surface Application

Fertilizer Type (lbs./acre)	Fertilizer Rate (lbs./acre)	Fertilizer Rate	Season
10-10-10	1000	.025	Fall

- Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Installation

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

MATERIALS

- Sod selected should be certified. Sod grown in the general area of the project is desirable.
- Sod should be machine cut and contain 3/4" ±1/4" of soil, not including shoots or thatch.
- Sod should be cut to the desired size within ±5%. Torn or uneven pads should be rejected.
- Sod should be cut and installed within 36 hours of digging.
- Avoid planting when subject to frost heave or hot weather if irrigation is not available.
- The sod type should be shown on the plans or installed according to Table 6-6.2. See Figure 6-4.1 for your Resource Area.

Table 6-6.2. Sod Planting Requirements

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

MAINTENANCE

- Re-sod areas where an adequate stand of sod is not obtained.
- New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified.
- Apply one ton of agricultural lime as indicated by soil test or every 4-6 years.
- Fertilize grasses in accordance with soil tests or Table 6-6.3.

Table 6-6.3. Fertilizer Requirements for Sod

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

PLANS COMPLETE 7/29/2019

24 HOUR CONTACT
HARI KARIKARAN
404-637-0500
HARI.KARIKARAN@BROOKHAVENGA.GOV

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

REVISION DATES
12/16/19

EROSION CONTROL CONSTRUCTION DETAILS

WINDSOR PKWY AT OSBORNE ROAD

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		56-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015 GPLN

30-JUL-2019 09:51
Ben.Clopper

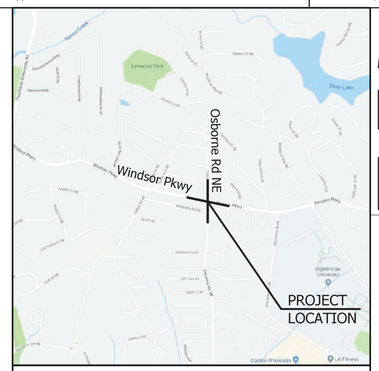
0162073_60-0001
GDOT_11x17.pen

Y:\Roadways\162073\DGNs\0162073_60-0001.dgn
GRWCOV

P. I. No.

CITY OF BROOKHAVEN
DEPARTMENT OF PUBLIC WORKS

RIGHT OF WAY OF PROPOSED
WINDSOR PARKWAY AT OSBORNE ROAD
DEKALB COUNTY

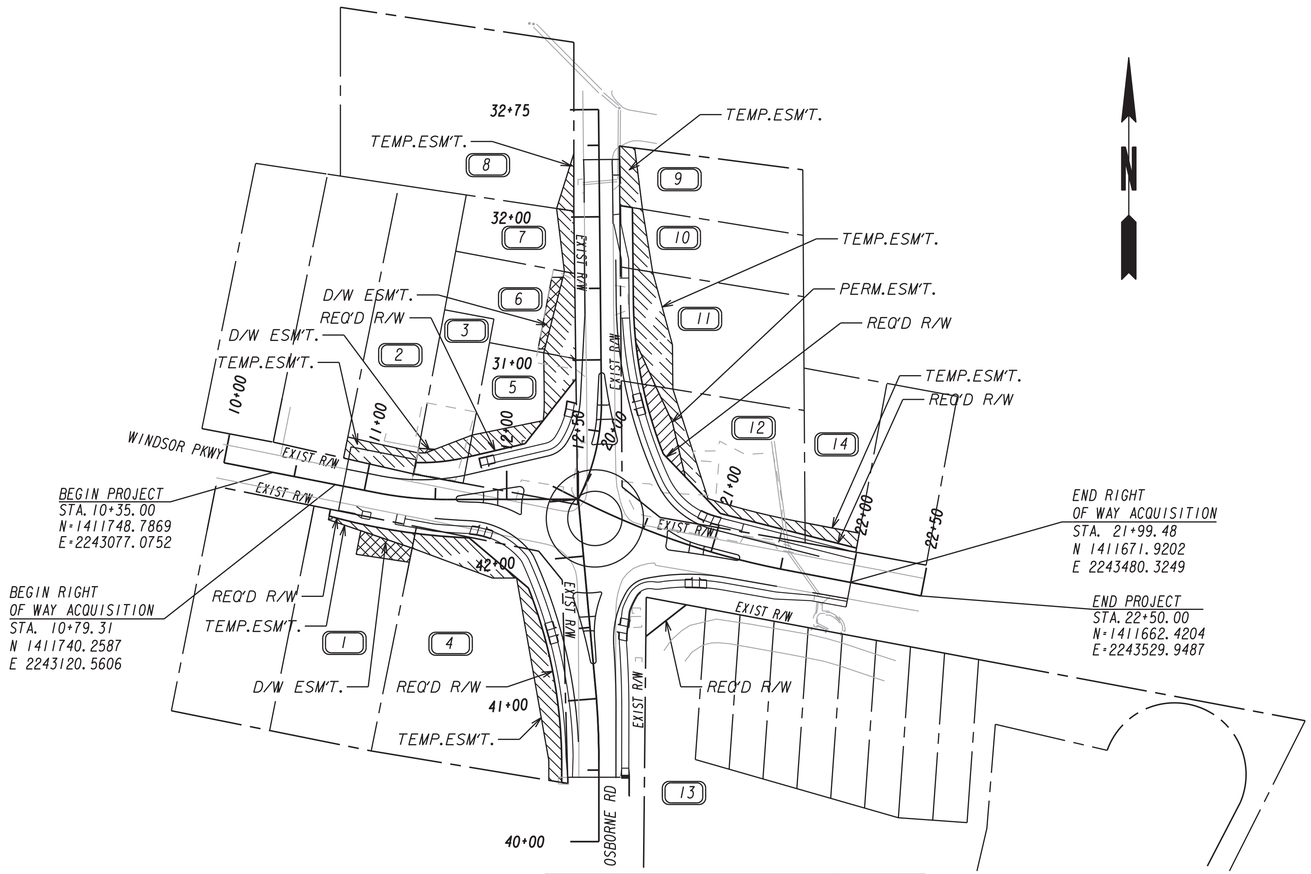


LOCATION SKETCH

CITY OF BROOKHAVEN

MAYOR, JOHN ARTHUR ERNST JR.
CITY COUNCIL DISTRICT 1: LINLEY JONES
CITY COUNCIL DISTRICT 2: JOHN PARK
CITY COUNCIL DISTRICT 3: BATES MATTISON
CITY COUNCIL DISTRICT 4: JOE GEBBIA
PUBLIC WORKS DIRECTOR: HARI KARIKARAN

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)1994 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.



N

CONVENTIONAL SIGNS

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

Michael Baker
INTERNATIONAL
420 TECHNOLOGY PARKWAY, STE. 150
NORCROSS, GEORGIA 30092
(770) 263-9118

LENGTH OF RIGHT OF WAY PROJECT	COUNTY NO. 121
	MILES
NET LENGTH OF RIGHT OF WAY	0.089
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF RIGHT OF WAY	0.089

SCALE IN FEET
0 50 100 200

THIS PROJECT IS LOCATED 100% IN DEKALB COUNTY AND CONGRESSIONAL DISTRICT 06.

DEKALB COUNTY

PLANS COMPLETED DATE: 02/07/2018

REVISIONS:

4/26/18 - ALL SHEETS	
4/26/18 - 60-0001,-0002,-0006	
12/05/18 - 60-0001,-0002,-0004	
12/13/18 - 60-0001,-0002,-0003, -0005,-0006	

DRAWING No.
60-0001

APPROVED PLAN 02/14/2020
Permit # LDP18-00070

30-JUL-2019 09:51 Ben.Clopper	0162073_60-0002 GDOT_11x17.pen	Y:\Roadways\162073\DGNs\0162073_60-0002.dgn GRWPLN	P. I. No.

MATCH LINE STA. 31+00 — DRAWING No. 60-0002

Curve 3
PI Sta: 30+36.66
N: 1411762.7314
E: 2243306.9647
DELTA: 27°27'56.5" (LT)
D: 38°11'49.87"
T: 36.66
L: 71.91
R: 150.00
E: 4.41

BEGIN R/W ACQUISITION
STA. 10+79.31
N:1411740.2587
E:2243120.5606

END R/W ACQUISITION
STA. 21+99.48
N:1411671.9202
E:2243480.3249

S 78°54'15.2" E

N 89°52'40.6" E

S 79°09'45.4" E

N 00°00'53.3" W

Curve 1

Curve 2

Curve 3

Curve 4

ESM'T FOR CONSTR OF DRIVES (TYP.)

ESM'T FOR CONSTR OF SLOPES (TYP.)

DE1000	STA 10+79.31, 17.60' RT
DE1002	STA 10+79.31, 22.39' RT
DE1004	STA 10+79.31, 25.00' RT
DE1007	STA 11+03.00, 28.19' RT
DE10027	STA 11+03.00, 45.00' RT
DE1001	STA 11+37.88, 24.54' RT
DE1056	STA 11+72.29, 26.78' RT
DE1020	STA 11+73.68, 26.86' RT
DE1003	STA 11+36.77, 35.00' RT
DE1022	STA 11+90.00, 55.00' LT
DE10026	STA 11+35.79, 45.00' RT
DE1021	STA 12+06.76, 55.00' RT
DE1019	STA 41+81.30, 40.32' LT
DE1018	STA 40+56.76, 25.98' LT
DE1024	STA 40+56.76, 35.00' LT
DE1023	STA 40+42.86, 35.00' LT
DE1017	STA 40+41.37, 26.00' LT
DE1009	STA 11+34.95, 31.68' LT
DE1010	STA 11+34.22, 24.84' LT
DE1008	STA 10+81.50, 34.31' LT
DE1014	STA 11+75.89, 45.00' LT
DE1012	STA 11+72.98, 29.68' LT
DE1025	STA 30+26.64, 49.15' LT
DE1040	STA 30+82.71, 28.72' RT
DE10055	STA 30+81.11 STATURE PROPERTIES LLC, 38.00' RT
DE1042	STA 30+79.03, 50.00' RT
DE10052	STA 30+60.00, 50.00' RT
DE1043	STA 30+42.62, 46.62' RT
DE10054	STA 30+33.63, 65.00' RT
DE1046	STA 20+86.52, 35.00' LT
DE1044	STA 20+98.62, 27.61' LT
DE1047	STA 21+53.81, 35.00' LT
DE1048	STA 21+60.74, 35.00' LT
DE1045	STA 21+62.41, 26.60' LT
DE1055	STA 21+99.39, 35.00' LT
DE1054	STA 21+99.46, 24.38' LT
DE1049	STA 20+94.30, 40.37' RT
DE1050	STA 41+40.19, 38.31' RT

1	N/F CHRISTY TAYLOR
2	N/F HELEN MILLER
3	N/F NATHANIEL KARR
4	N/F DEBBIE MILLER
5	N/F NATHANIEL KARR
11	N/F
12	N/F ANSLEY CAPITAL LLC
13	N/F BROOKHAVEN GLEN
14	N/F AMY JAMES

PT	OFFSET	STA	ALIGNMENT
① 1015	35.00' LT	11+35.32	WINDSOR PKWY
② 1013	32.10' LT	11+41.16	WINDSOR PKWY
③ 1016	35.00' LT	11+48.73	WINDSOR PKWY
④ 1011	29.37' LT	11+71.64	WINDSOR PKWY
⑤ 1027	40.00' LT	30+52.78	OSBORNE RD
⑥ 1028	40.00' LT	30+71.91	OSBORNE RD
⑦ 1026	17.65' LT	30+86.91	OSBORNE RD

Curve 1
PI Sta: 11+33.72
N: 1411729.7891
E: 2243173.9452
DELTA: 11°13'04.2" (LT)
D: 22°55'05.92"
T: 24.55
L: 48.95
R: 250.00
E: 1.20

Curve 4
PI Sta: 40+81.75
N: 1411572.4057
E: 2243304.7797
DELTA: 5°12'08.4" (LT)
D: 10°25'02.69"
T: 24.99
L: 49.94
R: 550.00
E: 0.57

Curve 2
PI Sta: 20+77.41
N: 1411695.0609
E: 2243359.4459
DELTA: 16°01'23.8" (LT)
D: 10°25'02.69"
T: 77.41
L: 153.81
R: 550.00
E: 5.42

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

SCALE IN FEET
0 20 40 80

DATE	REVISIONS	DATE	REVISIONS
4/26/18	REVISED ALL PARCELS		
8/14/18	REMOVED TEMP EASM'T FROM PARCEL 13		
12/05/18	REVISED D/W EASM'T FOR PARCEL 1		
12/13/18	REVISED TEMP EASM'T AND ADDED PERM EASM'T FOR PARCEL 11 AND 12		

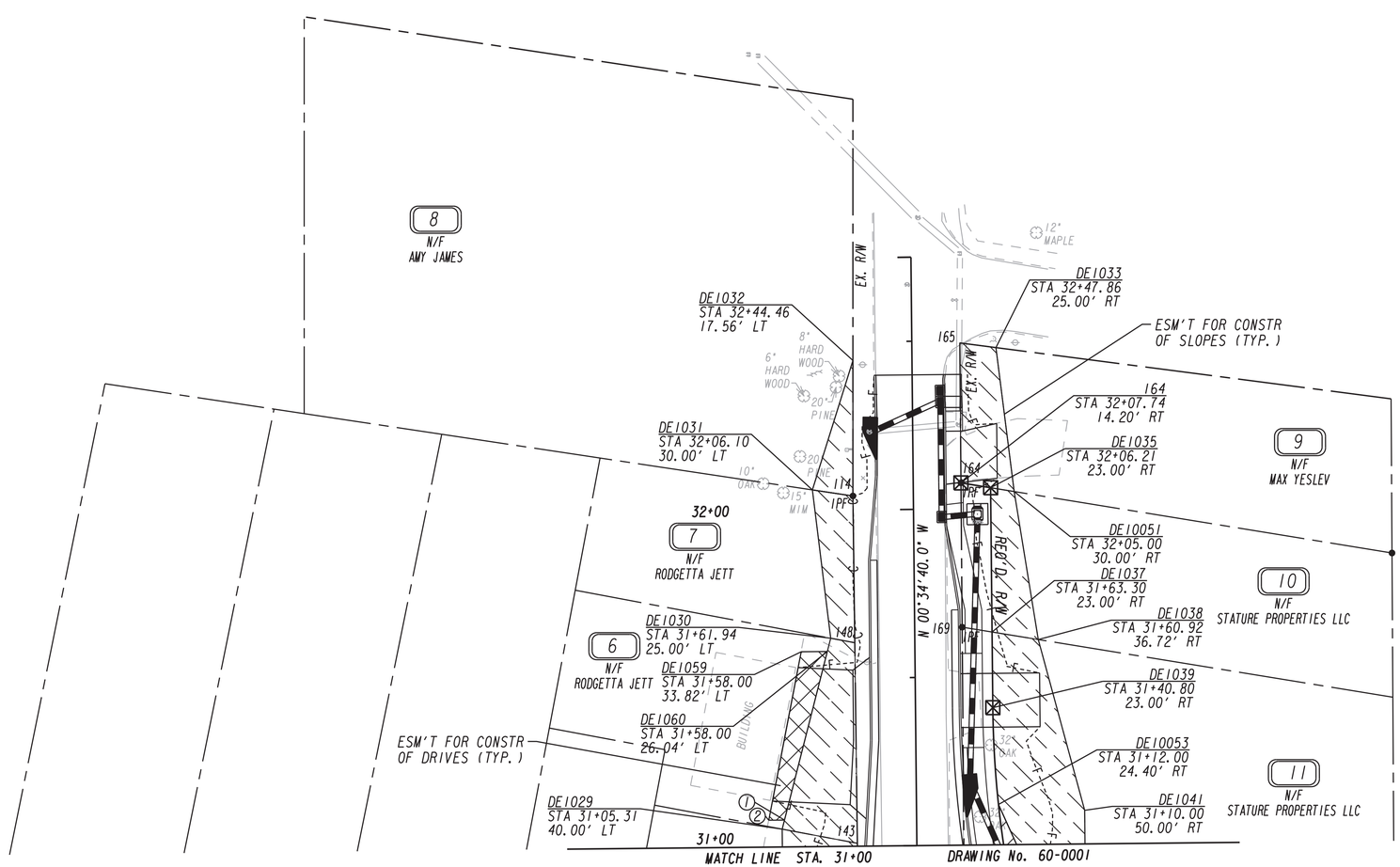
CITY OF BROOKHAVEN
DEPARTMENT OF PUBLIC WORKS

RIGHT OF WAY MAP

PROJECT NO:
COUNTY: DEKALB
LAND LOT NO: 275
LAND DISTRICT: 18
GMD
DATE 2/7/2018 SH 2 OF 6

DRAWING No. 60-0002

7/31/2015 GRWPLN



PT*	OFFSET	STA	ALIGNMENT
① DE1057	39.29' LT	31+08.00	OSBORNE RD
② DE1058	43.96' LT	31+08.00	OSBORNE RD

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

SCALE IN FEET
0 20 40 80

DATE	REVISIONS	DATE	REVISIONS
4/26/18	REVISED ALL PARCELS		
12/13/18	REVISED TEMP EASM'T FOR PARCEL 9, 10 & 11 AND		
	ADDED PERM EASM'T FOR PARCEL 11		

CITY OF BROOKHAVEN
DEPARTMENT OF PUBLIC WORKS
RIGHT OF WAY MAP
PROJECT NO:
COUNTY: DEKALB
LAND LOT NO: 275
LAND DISTRICT: 18
GMD
DATE 2/7/2018 SH 3 OF 6
DRAWING No. 60-0003

7/31/2015 GRWPLN

1
N/F
CHRISTY TAYLOR

```
*************************************************************
Parcel 1 - Reqd RW     REQ'D R/W   DE1001.1
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
                DIST          BEARING
-------------------------------------------------------------
   DE1000     17.60  R       10+79.31          Windsor Pkwy West
              61.35          S 78°37'52.5" E
   106        19.74  R       11+38.42          Windsor Pkwy West
              4.84           S 11°24'51.4" W
   DE1001     24.54  R       11+37.88          Windsor Pkwy West
ARC LENGTH = 61.38
CHORD BEAR = N 78°35'08.3" W
LNTH CHORD = 61.32
     RADIUS = 424.00
     DEGREE = 13°30'47.4"
   DE1002     22.39  R       10+79.31          Windsor Pkwy West
              4.79           N 11°05'44.8" E
   DE1000     17.60  R       10+79.31          Windsor Pkwy West
   REQD R/W   =  340.59   SF
   REQD R/W   =  0.008    ACRES
REMAINDER     =  +/-            ACRES


*************************************************************
Parcel 1 - Temp Esmt     REQ'D TEMP. EASM'T.   DE1001.2
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
-------------------------------------------------------------
   DE1002     22.39  R       10+79.31          Windsor Pkwy West
ARC LENGTH = 61.38
CHORD BEAR = S 78°35'08.3" E
LNTH CHORD = 61.32
     RADIUS = 424.00
     DEGREE = 13°30'47.4"
   DE1001     24.54  R       11+37.88          Windsor Pkwy West
   DE1003     35.00  R       11+36.77          Windsor Pkwy West
   DE1004     25.00  R       10+79.31          Windsor Pkwy West
   DE1002     22.39  R       10+79.31          Windsor Pkwy West
   REQD EASMT AREA =  357.36   SF


*************************************************************
Parcel 1 - Drv Esmt     REQ'D DRWY. EASM'T.   DE1001.3
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
-------------------------------------------------------------
   DE1007     28.19  R       11+03.00          Windsor Pkwy West
   DE1003     35.00  R       11+36.77          Windsor Pkwy West
  DE10026     45.00  R       11+35.79          Windsor Pkwy West
  DE10027     45.00  R       11+03.00          Windsor Pkwy West
   DE1007     28.19  R       11+03.00          Windsor Pkwy West
```

2
N/F
HELEN MILLER

```
*************************************************************
Parcel 2 - Temp Esmt     REQ'D TEMP. EASM'T.   DE1002.2
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
-------------------------------------------------------------
      125     19.30  L       10+81.41          Windsor Pkwy West
   DE1008     34.31  L       10+81.50          Windsor Pkwy West
   DE1009     31.68  L       11+34.95          Windsor Pkwy West
      108     16.73  L       11+33.42          Windsor Pkwy West
      125     19.30  L       10+81.41          Windsor Pkwy West
   REQD EASMT AREA =  754.06   SF
```

3
N/F
NATHANIEL KARR

```
*************************************************************
Parcel 3 - Reqd RW     REQ'D R/W   DE1003.1
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
                DIST          BEARING
-------------------------------------------------------------
      108     16.73  L       11+33.42          Windsor Pkwy West
              8.15           N 10°38'17.6" E
   DE1010     24.84  L       11+34.22          Windsor Pkwy West
ARC LENGTH = 35.28
CHORD BEAR = N 84°10'16.9" E
LNTH CHORD = 35.19
     RADIUS = 138.00
     DEGREE = 41°31'07.3"
   DE1011     29.37  L       11+71.64          Windsor Pkwy West
              1.37           N 76°50'49.7" E
   DE1012     29.68  L       11+72.98          Windsor Pkwy West
              18.64          S 10°38'17.6" W
      138     11.36  L       11+69.50          Windsor Pkwy West
              35.00          N 79°24'42.0" W
      108     16.73  L       11+33.42          Windsor Pkwy West
   REQD R/W   =  439.33   SF
   REQD R/W   =  0.010    ACRES
REMAINDER     =  +/-            ACRES


*************************************************************
Parcel 3 - Temp Esmt     REQ'D TEMP. EASM'T.   DE1003.2
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
-------------------------------------------------------------
   DE1010     24.84  L       11+34.22          Windsor Pkwy West
   DE1009     31.68  L       11+34.95          Windsor Pkwy West
   DE1013     32.10  L       11+41.16          Windsor Pkwy West
   DE1014     45.00  L       11+75.89          Windsor Pkwy West
   DE1012     29.68  L       11+72.98          Windsor Pkwy West
   DE1011     29.37  L       11+71.64          Windsor Pkwy West
ARC LENGTH = 35.28
CHORD BEAR = S 84°10'16.9" W
LNTH CHORD = 35.19
     RADIUS = 138.00
     DEGREE = 41°31'07.3"
   DE1010     24.84  L       11+34.22          Windsor Pkwy West
   REQD EASMT AREA =  388.65   SF
```

3
N/F
NATHANIEL KARR

```
*************************************************************
Parcel 3 - Drv Esmt     REQ'D DRWY. EASM'T.   DE1003.3
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
-------------------------------------------------------------
   DE1009     31.68  L       11+34.95          Windsor Pkwy West
   DE1015     35.00  L       11+35.32          Windsor Pkwy West
ARC LENGTH = 11.53
CHORD BEAR = S 86°26'05.8" E
LNTH CHORD = 11.53
     RADIUS = 215.00
     DEGREE = 26°38'57.1"
   DE1016     35.00  L       11+48.73          Windsor Pkwy West
   DE1013     32.10  L       11+41.16          Windsor Pkwy West
   DE1009     31.68  L       11+34.95          Windsor Pkwy West
```

4
N/F
DEBBIE MILLER

```
*************************************************************
Parcel 4 - Reqd RW     REQ'D R/W   DE1004.1
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
                DIST          BEARING
-------------------------------------------------------------
      106     19.74  R       11+38.42          Windsor Pkwy West
              87.13          S 78°37'52.5" E
      272     36.26  R       12+22.27          Windsor Pkwy West
              26.17          S 39°02'21.2" E
      273     16.28  L       41+84.61          Osborne Rd South
              142.14         S 1°33'39.9" E
      274     21.70  L       40+40.65          Osborne Rd South
              4.36           N 80°36'03.8" W
   DE1017     26.00  L       40+41.37          Osborne Rd South
              15.40          N 0°04'02.0" E
   DE1018     25.98  L       40+56.76          Osborne Rd South
ARC LENGTH = 123.41
CHORD BEAR = N 10°54'58.9" W
LNTH CHORD = 122.72
     RADIUS = 338.00
     DEGREE = 16°57'05.1"
   DE1019     40.32  L       41+81.30          Osborne Rd South
              54.31          N 49°44'09.5" W
   DE1020     26.86  R       11+73.68          Windsor Pkwy West
              1.39           N 86°50'22.6" W
   DE1056     26.78  R       11+72.29          Windsor Pkwy West
ARC LENGTH = 36.52
CHORD BEAR = N 85°11'59.2" W
LNTH CHORD = 36.50
     RADIUS = 424.00
     DEGREE = 13°30'47.4"
   DE1001     24.54  R       11+37.88          Windsor Pkwy West
              4.84           N 11°24'51.4" E
      106     19.74  R       11+38.42          Windsor Pkwy West
   REQD R/W   =  2401.55   SF
   REQD R/W   =  0.055    ACRES
REMAINDER     =  +/-            ACRES
```

4
N/F
DEBBIE MILLER

```
*************************************************************
Parcel 4 - Temp Esmt Tract 1     REQ'D TEMP. EASM'T.   DE1004.2
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
-------------------------------------------------------------
   DE1001     24.54  R       11+37.88          Windsor Pkwy West
ARC LENGTH = 36.52
CHORD BEAR = S 85°11'59.2" E
LNTH CHORD = 36.50
     RADIUS = 424.00
     DEGREE = 13°30'47.4"
   DE1056     26.78  R       11+72.29          Windsor Pkwy West
   DE1020     26.86  R       11+73.68          Windsor Pkwy West
   DE1021     55.00  R       12+06.76          Windsor Pkwy West
   DE1022     55.00  R       11+90.00          Windsor Pkwy West
   DE1003     35.00  R       11+36.77          Windsor Pkwy West
   DE1001     24.54  R       11+37.88          Windsor Pkwy West
   REQD EASMT AREA =  1042.62   SF


*************************************************************
Parcel 4 - Temp Esmt Tract 2     REQ'D TEMP. EASM'T.   DE1004.3
*************************************************************
   PNT       OFFSET/         STATION/          ALIGNMENT
-------------------------------------------------------------
   DE1021     55.00  R       12+06.76          Windsor Pkwy West
   DE1019     40.32  L       41+81.30          Osborne Rd South
ARC LENGTH = 123.41
CHORD BEAR = S 10°54'58.9" E
LNTH CHORD = 122.72
     RADIUS = 338.00
     DEGREE = 16°57'05.1"
   DE1018     25.98  L       40+56.76          Osborne Rd South
   DE1017     26.00  L       40+41.37          Osborne Rd South
   DE1023     35.00  L       40+42.86          Osborne Rd South
   DE1024     35.00  L       40+56.76          Osborne Rd South
   DE1021     55.00  R       12+06.76          Windsor Pkwy West
   REQD EASMT AREA =  1586.10   SF
```

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

SCALE IN FEET
0 20 40 80

DATE	REVISIONS	DATE	REVISIONS
4/26/18	REVISED ALL PARCELS		
12/05/18	REVISED D/W EASM'T FOR PARCEL 1		

CITY OF BROOKHAVEN
DEPARTMENT OF PUBLIC WORKS
RIGHT OF WAY MAP
PROJECT NO:
COUNTY: DEKALB
LAND LOT NO: 275
LAND DISTRICT: 18
GMD
DATE 2/7/2018 SH 4 OF 6
DRAWING No. 60-0004

7/31/2015 GRWPLN

5
N/F
NATHANIEL KARR

Parcel 5 - Reqd RW REQ'D R/W DE1005.1

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
138	11.36 L	11+69.50	Windsor Pkwy West
	18.64	N 10°38'17.6" E	
DE1012	29.68 L	11+72.98	Windsor Pkwy West
	40.96	N 76°50'49.7" E	
DE1025	49.15 L	30+26.64	Osborne Rd North
	57.64	N 38°08'30.3" E	
DE1026	17.65 L	30+86.91	Osborne Rd North
	87.95	S 0°43'54.5" E	
140	3.77 R	12+49.52	Windsor Pkwy West
	81.44	N 79°24'42.0" W	
138	11.36 L	11+69.50	Windsor Pkwy West

REQD R/W = 3371.12 SF
REQD R/W = 0.077 ACRES
REMAINDER = +/- ACRES

Parcel 5 - Temp Esmt Tract 1 REQ'D TEMP. EASM'T. DE1005.2

PNT	OFFSET/	STATION/	ALIGNMENT
DE1012	29.68 L	11+72.98	Windsor Pkwy West
DE1014	45.00 L	11+75.89	Windsor Pkwy West
DE1027	40.00 L	30+52.78	Osborne Rd North
DE1025	49.15 L	30+26.64	Osborne Rd North
DE1012	29.68 L	11+72.98	Windsor Pkwy West

REQD EASMT AREA = 628.42 SF

Parcel 5 - Temp Esmt Tract 2 REQ'D TEMP. EASM'T. DE1005.3

PNT	OFFSET/	STATION/	ALIGNMENT
DE1026	17.65 L	30+86.91	Osborne Rd North
DE1027	40.00 L	30+52.78	Osborne Rd North

ARC LENGTH = 14.03
CHORD BEAR = N 3°04'32.3" E
LNTH CHORD = 14.02
RADIUS = 110.00
DEGREE = 52°05'13.5"

DE1028	40.00 L	30+71.91	Osborne Rd North
DE1029	40.00 L	31+05.31	Osborne Rd North
143	17.69 L	31+00.88	Osborne Rd North
DE1026	17.65 L	30+86.91	Osborne Rd North

REQD EASMT AREA = 676.62 SF

6
N/F
RODGETTA JETT

Parcel 6 - Temp Esmt REQ'D TEMP. EASM'T. DE1006.1

PNT	OFFSET/	STATION/	ALIGNMENT
143	17.69 L	31+00.88	Osborne Rd North
DE1029	40.00 L	31+05.31	Osborne Rd North
DE1030	25.00 L	31+61.94	Osborne Rd North
148	17.85 L	31+60.52	Osborne Rd North
143	17.69 L	31+00.88	Osborne Rd North

REQD EASMT AREA = 878.09 SF

Parcel 6 - Drv Esmt REQ'D DRWY. EASM'T. DE1006.2

PNT	OFFSET/	STATION/	ALIGNMENT
DE1057	39.29 L	31+08.00	Osborne Rd North
DE1058	43.96 L	31+08.00	Osborne Rd North
DE1059	33.82 L	31+58.00	Osborne Rd North
DE1060	26.04 L	31+58.00	Osborne Rd North
DE1057	39.29 L	31+08.00	Osborne Rd North

7
N/F
RODGETTA JETT

Parcel 7 - Temp Esmt REQ'D TEMP. EASM'T. DE1007.1

PNT	OFFSET/	STATION/	ALIGNMENT
148	17.85 L	31+60.52	Osborne Rd North
DE1030	25.00 L	31+61.94	Osborne Rd North
DE1031	30.00 L	32+06.10	Osborne Rd North
114	17.97 L	32+04.17	Osborne Rd North
148	17.85 L	31+60.52	Osborne Rd North

REQD EASMT AREA = 416.82 SF

8
N/F
AMY JAMES

Parcel 8 - Temp Esmt REQ'D TEMP. EASM'T. DE1008.1

PNT	OFFSET/	STATION/	ALIGNMENT
114	17.97 L	32+04.17	Osborne Rd North
DE1031	30.00 L	32+06.10	Osborne Rd North
DE1032	17.56 L	32+44.46	Osborne Rd North
114	17.97 L	32+04.17	Osborne Rd North

REQD EASMT AREA = 242.85 SF

9
N/F
MAX YESLEV

Parcel 9 - Temp Esmt REQ'D TEMP. EASM'T. DE1009.1

PNT	OFFSET/	STATION/	ALIGNMENT
164	14.20 R	32+07.74	Osborne Rd North
165	14.28 R	32+49.36	Osborne Rd North
DE1033	25.00 R	32+47.86	Osborne Rd North
DE1005I	30.00 R	32+05.00	Osborne Rd North
164	14.20 R	32+07.74	Osborne Rd North

REQD EASMT AREA = 554.81 SF

10
N/F
STATURE PROPERTIES LLC

Parcel 10 - Reqd RW REQ'D R/W DE1010.1

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
169	14.12 R	31+64.83	Osborne Rd North
	42.90	N 0°27'48.3" W	
164	14.20 R	32+07.74	Osborne Rd North
	8.93	S 80°45'44.2" E	
DE1035	23.00 R	32+06.21	Osborne Rd North
	42.92	S 0°34'40.0" E	
DE1037	23.00 R	31+63.30	Osborne Rd North
	9.02	N 80°45'44.2" W	
169	14.12 R	31+64.83	Osborne Rd North

REQD R/W = 379.46 SF
REQD R/W = 0.009 ACRES
REMAINDER = +/- ACRES

Parcel 10 - Temp Esmt REQ'D TEMP. EASM'T. DE1010.2

PNT	OFFSET/	STATION/	ALIGNMENT
DE1037	23.00 R	31+63.30	Osborne Rd North
DE1035	23.00 R	32+06.21	Osborne Rd North
DE1005I	30.00 R	32+05.00	Osborne Rd North
DE1038	36.72 R	31+60.92	Osborne Rd North
DE1037	23.00 R	31+63.30	Osborne Rd North

REQD EASMT AREA = 444.66 SF

11
N/F
STATURE PROPERTIES LLC

Parcel 11 - Reqd RW REQ'D R/W DE1011.1

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
174	13.96 R	30+85.27	Osborne Rd North
	79.56	N 0°27'48.3" W	
169	14.12 R	31+64.83	Osborne Rd North
	9.02	S 80°45'44.2" E	
DE1037	23.00 R	31+63.30	Osborne Rd North
	22.49	S 0°34'40.0" E	
DE1039	23.00 R	31+40.80	Osborne Rd North

ARC LENGTH = 58.46
CHORD BEAR = S 6°11'52.5" E
LNTH CHORD = 58.37
RADIUS = 298.00
DEGREE = 19°13'36.4"

DE1040	28.72 R	30+82.71	Osborne Rd North
	14.98	N 80°45'44.2" W	
174	13.96 R	30+85.27	Osborne Rd North

REQD R/W = 820.87 SF
REQD R/W = 0.019 ACRES
REMAINDER = +/- ACRES

Parcel 11 - Perm Esmt REQ'D PERM. EASM'T. DE1011.3

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
DE10053	24.40 R	31+12.00	Osborne Rd North
	33.76	S 24°20'47.8" E	
DE10055	38.00 R	30+81.11	Osborne Rd North
	9.42	N 80°45'44.2" W	
DE1040	28.72 R	30+82.71	Osborne Rd North

ARC LENGTH = 29.62
CHORD BEAR = N 8°58'15.8" W
LNTH CHORD = 29.60
RADIUS = 298.00
DEGREE = 19°13'36.4"

DE10053	24.40 R	31+12.00	Osborne Rd North

REQD EASMT = 139.73 SF
REQD EASMT = 0.003 ACRES

Parcel 11 - Temp Esmt REQ'D TEMP. EASM'T. DE1011.2

PNT	OFFSET/	STATION/	ALIGNMENT
DE1037	23.00 R	31+63.30	Osborne Rd North
DE1038	36.72 R	31+60.92	Osborne Rd North
DE1041	50.00 R	31+10.00	Osborne Rd North
DE1042	50.00 R	30+79.03	Osborne Rd North
DE10055	38.00 R	30+81.11	Osborne Rd North
DE10053	24.40 R	31+12.00	Osborne Rd North

ARC LENGTH = 28.85
CHORD BEAR = N 3°21'03.3" W
LNTH CHORD = 28.84
RADIUS = 298.00
DEGREE = 19°13'36.4"

DE1039	23.00 R	31+40.80	Osborne Rd North
DE1037	23.00 R	31+63.30	Osborne Rd North

REQD EASMT AREA = 1578.99 SF

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

SCALE IN FEET
0 20 40 80

DATE	REVISIONS	DATE	REVISIONS
4/26/18	REVISED ALL PARCELS		
12/13/18	REVISED TEMP EASM'T FOR PARCEL 9, 10 & 11 AND		
	ADDED PERM EASM'T FOR PARCEL 11		

CITY OF BROOKHAVEN
DEPARTMENT OF PUBLIC WORKS
RIGHT OF WAY MAP
PROJECT NO:
COUNTY: DEKALB
LAND LOT NO: 275
LAND DISTRICT: 18
GMD
DATE 2/7/2018 SH 5 OF 6
DRAWING No. 60-0005

7/31/2015 GRWPLN

12
N/F
ANSLEY CAPITAL LLC

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*************************************************************
Parcel 12 - Reqd RW     REQ'D R/W   DE1012.1
*************************************************************
   PNT       OFFSET/        STATION/          ALIGNMENT
                DIST          BEARING
-------------------------------------------------------------
       180     11.48  L      20+58.13          Windsor Pkwy East
               34.10       N 51°15'24.9" W
       181     24.76  R      30+18.51          Osborne Rd North
               74.26        N 0°27'48.3" W
       174     13.96  R      30+85.27          Osborne Rd North
               14.98        S 80°45'44.2" E
   DE1040      28.72  R      30+82.71          Osborne Rd North
ARC LENGTH = 51.02
CHORD BEAR = S 16°43'22.7" E
LNTH CHORD = 50.96
     RADIUS = 298.00
     DEGREE = 19°13'36.4"
   DE1043      46.62  R      30+42.62          Osborne Rd North
               57.67        S 43°46'39.4" E
   DE1044      27.61  L      20+98.62          Windsor Pkwy East
               61.04        S 75°44'36.8" E
   DE1045      26.60  L      21+62.41          Windsor Pkwy East
                5.47        S 0°23'36.8" E
       543     21.23  L      21+63.48          Windsor Pkwy East
              102.89        N 80°04'04.8" W
       180     11.48  L      20+58.13          Windsor Pkwy East
   REQD R/W  =  3606.05   SF
   REQD R/W  =  0.083     ACRES
REMAINDER    =  +/-            ACRES

*************************************************************
Parcel 12 - Perm Esmt     REQ'D PERM. EASM'T.   DE1012.3
*************************************************************
   PNT       OFFSET/        STATION/          ALIGNMENT
                DIST          BEARING
-------------------------------------------------------------
   DE1040      28.72  R      30+82.71          Osborne Rd North
                9.42        S 80°45'44.2" E
   DE10055     38.00  R      30+81.11          Osborne Rd North
               27.52        S 24°58'59.4" E
   DE10052     50.00  R      30+60.00          Osborne Rd North
               39.38        S 13°17'24.6" E
   DE10054     65.00  R      30+33.63          Osborne Rd North
               22.13        N 43°46'39.4" W
   DE1043      46.62  R      30+42.62          Osborne Rd North
ARC LENGTH = 51.02
CHORD BEAR = N 16°43'22.7" W
LNTH CHORD = 50.96
     RADIUS = 298.00
     DEGREE = 19°13'36.4"
   DE1040      28.72  R      30+82.71          Osborne Rd North
REQD EASMT   =  681.97   SF
REQD EASMT   =  0.016    ACRES
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12
N/F
ANSLEY CAPITAL LLC

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*************************************************************
Parcel 12 - Temp Esmt     REQ'D TEMP. EASM'T.   DE1012.2
*************************************************************
   PNT       OFFSET/        STATION/          ALIGNMENT
-------------------------------------------------------------
  DE10055      38.00  R      30+81.11          Osborne Rd North
   DE1042      50.00  R      30+79.03          Osborne Rd North
   DE1046      35.00  L      20+86.52          Windsor Pkwy East
ARC LENGTH = 63.01
CHORD BEAR = S 75°39'26.7" E
LNTH CHORD = 62.97
     RADIUS = 515.00
     DEGREE = 11°07'31.4"
   DE1047      35.00  L      21+53.81          Windsor Pkwy East
   DE1048      35.00  L      21+60.74          Windsor Pkwy East
   DE1045      26.60  L      21+62.41          Windsor Pkwy East
   DE1044      27.61  L      20+98.62          Windsor Pkwy East
  DE10054      65.00  R      30+33.63          Osborne Rd North
  DE10052      50.00  R      30+60.00          Osborne Rd North
  DE10055      38.00  R      30+81.11          Osborne Rd North
  REQD EASMT AREA =  1166.92   SF
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13
N/F
BROOKHAVEN GLEN

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*************************************************************
Parcel 13 - Reqd RW     REQ'D R/W   DE1013.1
*************************************************************
   PNT       OFFSET/        STATION/          ALIGNMENT
                DIST          BEARING
-------------------------------------------------------------
       110     41.07  R      41+67.41          Osborne Rd South
               28.51        S 79°23'06.2" E
   DE1049      40.37  R      20+94.30          Windsor Pkwy East
               35.91        S 51°59'36.3" W
   DE1050      38.31  R      41+40.19          Osborne Rd South
               27.37        N 0°33'40.8" E
       110     41.07  R      41+67.41          Osborne Rd South
   REQD R/W  =  384.16   SF
   REQD R/W  =  0.009    ACRES
REMAINDER    =  +/-            ACRES
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14
N/F
AMY JAMES

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*************************************************************
Parcel 14 - Reqd RW     REQ'D R/W   DE1014.1
*************************************************************
   PNT       OFFSET/        STATION/          ALIGNMENT
                DIST          BEARING
-------------------------------------------------------------
       543     21.23  L      21+63.48          Windsor Pkwy East
                5.47        N 0°23'36.8" W
   DE1045      26.60  L      21+62.41          Windsor Pkwy East
               37.11        S 75°44'36.8" E
   DE1054      24.38  L      21+99.46          Windsor Pkwy East
                2.91        S 10°27'21.7" W
       189     21.47  L      21+99.48          Windsor Pkwy East
               36.00        N 79°32'38.3" W
       543     21.23  L      21+63.48          Windsor Pkwy East
   REQD R/W  =  150.63   SF
   REQD R/W  =  0.003    ACRES
REMAINDER    =  +/-            ACRES

*************************************************************
Parcel 14 - Temp Esmt     REQ'D TEMP. EASM'T.   DE1014.2
*************************************************************
   PNT       OFFSET/        STATION/          ALIGNMENT
-------------------------------------------------------------
   DE1045      26.60  L      21+62.41          Windsor Pkwy East
   DE1048      35.00  L      21+60.74          Windsor Pkwy East
   DE1055      35.00  L      21+99.39          Windsor Pkwy East
   DE1054      24.38  L      21+99.46          Windsor Pkwy East
   DE1045      26.60  L      21+62.41          Windsor Pkwy East
   REQD EASMT AREA =  358.93   SF
```

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

SCALE IN FEET
0 20 40 80

DATE	REVISIONS	DATE	REVISIONS
4/26/18	REVISED ALL PARCELS		
8/14/18	REMOVED TEMP EASM'T FROM PARCEL 13		
12/13/18	REVISED TEMP EASM'T AND ADDED PERM EASM'T FOR		
	PARCEL 12		

CITY OF BROOKHAVEN
DEPARTMENT OF PUBLIC WORKS
RIGHT OF WAY MAP
PROJECT NO:
COUNTY: DEKALB
LAND LOT NO: 275
LAND DISTRICT: 18
GMD
DATE 2/7/2018 SH 6 OF 6
DRAWING No. 60-0006

7/31/2015 GRWPLN