STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA		1-001	58

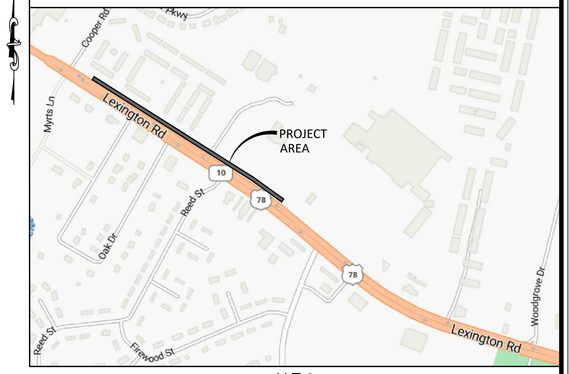
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

FOR ATHENS-CLARKE COUNTY DEPARTMENT OF LEISURE SERVICES

PROJECT DATA

LENGTH OF PROJECT	0.33 MILES	
	SIDEWALK	TOTAL
NET LENGTH OF SIDEWALK	0.33	0.33
NET LENGTH OF BRIDGES	0.00	0.00
NET LENGTH OF PROJECT	0.33	0.33
NET LENGTH OF EXCEPTION	0.00	0.00
GROSS LENGTH OF PROJECT	0.33	0.33
PERCENT LENGTH OF PROJECT COUNTY		100%
THIS PROJECT IS LOCATED WITHIN CONGRESSIONAL DISTRICT 10		
THIS PROJECT IS LOCATED WITHIN ATHENS-CLARKE COUNTY		

LOCATION MAP



N.T.S.

LEGEND
EXISTING FEATURES

- PROPERTY LINE
- R/W — RIGHT OF WAY
- ▲ – SURVEY CONTROL POINTS
- 720 — EXISTING CONTOUR ELEVATION
- EXISTING STORM SEWER & JUNCTION BOX GRATE TRAP, HOOD BACK TRAP
- EXISTING STORM SEWER & SINGLE WING TRAP
- EXISTING STORM SEWER & DOUBLE WING TRAP
- EXISTING STORM SEWER & MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- ELECTRIC METER
- LIGHT POLE
- POWER POLE
- YARD LIGHT
- WATER VALVE
- GUY WIRE
- WATER METER
- FIRE HYDRANT
- TREE
- GAS VALVE
- TELEPHONE HANDHOLE
- SIGNS
- TELEPHONE PEDESTAL
- TELEPHONE MARKER

LEGEND
PROPOSED FEATURES

- PROPOSED SIDEWALK
- REQUIRED R/W
- TEMPORARY CONSTRUCTION EASEMENT
- PROPOSED STORM PIPE

N.T.S.

Begin	
Latitude	33.935726 N
Longitude	83.316530 W
End	
Latitude	33.933192 N
Longitude	83.311707 W

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.

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 MEAN, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION AND/OR THE UNIFIED GOVERNMENT OF ATHENS-CLARKE COUNTY.

DISTURBED AREA = 0.98 AC
A NOI IS NOT REQUIRED

NOTE:
PROJECT TO BE CONSTRUCTED AS PER GEORGIA DOT STANDARD SPECIFICATIONS, 2021 EDITION AND 2016 STANDARD SUPPLEMENTAL SPECIFICATIONS, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND AS MODIFIED BY CONTRACT DOCUMENTS.

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OWNER
24 HR. CONTACT
ATHENS-CLARKE COUNTY
DEREK DOSTER
301 COLLEGE AVE., SUITE 101
ATHENS, GA. 30603
706-613-3025

SUBMITTED BY VICTOR A. CONOVER

PLANS COMPLETED	APRIL 25, 2024
REVISIONS	

INDEX OF SHEETS

SHEET NO.	TITLE
1-001	COVER
2-001	SHEET INDEX AND REVISION SUMMARY
4-001	GENERAL NOTES
5-001	TYPICAL SECTIONS
6-001	SUMMARY OF QUANTITIES
13-001 TO 13-004	CONSTRUCTION PLANS & PROFILES
17-001	DRIVEWAY PROFILES
22-001	DRAINAGE PROFILES
23-001 TO 23-004	CONSTRUCTION CROSS SECTIONS
24-001 TO 24-004	UTILITY PLANS
26-001 TO 26-004	SIGNING AND MARKING PLANS
40-001	SPECIAL CONSTRUCTION DETAILS
50-001	ES&PC COVER
51-001 TO 51-002	ES&PC GENERAL NOTES AND DETAILS
54-001 TO 54-004	EROSION CONTROL PLANS
56-001 TO 56-005	EROSION CONTROL CONSTRUCTION STANDARDS AND DETAILS
70-001 TO 70-004	TREE MANAGEMENT PLANS
80-001 TO 80-018	STANDARDS AND DETAILS

REVISION SUMMARY

DATE	REVISED SHEET #	REVISION

GEORGIA DOT EROSION CONTROL CONSTRUCTION STANDARDS & DETAILS

SHEET NO.	GA STD NO.	DESCRIPTION	REVISION DATE
56-0001	D-24A	TEMPORARY SILT FENCE	JAN. 2011
56-0002	D-24B	TEMPORARY SILT FENCE - BERM DITCH, INSTALLATION, BRUSH BARRIER	JAN. 2011
56-0003	D-24C	TEMPORARY SILT FENCE - J-HOOK, INLET SEDIMENT TRAPS	JAN. 2011
56-0004	D-24D	TEMPORARY SILT FENCE - FABRIC CHECK DAM	JUL. 2015
56-0005	D-41	CONSTRUCTION EXIT	NOV. 2020

ACC STANDARD DETAILS

SHEET NO.	GA STD NO.	DESCRIPTION
80-001	1-030	CURB & GUTTER DETAIL
80-002	1-060	TYPICAL SIDEWALK CROSS-SECTIONS (EXISTING STREET)
80-003	1-070	UTILITY CUT AND ADJUSTMENT DETAIL
80-004	2-010	URBAN RESIDENTIAL DRIVEWAY APRON DETAIL

CONSTRUCTION STANDARDS & DETAILS

SHEET NO.	GA STD NO.	DESCRIPTION	REVISION DATE
80-005	1011A	BRICK MANHOLES	OCT. 1981
80-006	1019A	DROP INLETS	AUG. 1999
80-007 TO 80-009	1030D	CONCRETE & METAL PIPE CULVERTS	SEP. 2001
80-010	1033D	CATCH BASINS	AUG. 1982
80-011	1034D	CATCH BASINS	AUG. 1982
80-012	9032B	CONCRETE CURB & GUTTER, CONCRETE CURBS, CONCRETE MEDIANS	JAN. 2021
80-013	9100	TRAFFIC CONTROL GEN. NOTES, STANDARD LEGEND, AND MISC. DETAILS	MAR. 2006
80-014	A-1	DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS	JUL. 2011
80-015	A-3	CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS	SEP. 2016
80-016	A-4	DETECTABLE WARNING SURFACES	JUN. 2009
80-017	T-3A	TYPE 7,8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL	JUL. 2022
80-018	T-11A	DETAILS OF PAVEMENT MARKING PLACEMENT	SEP. 2016

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REVISION BLOCK

REV. NO.	DATE	DESCRIPTION

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: SHEET INDEX AND REVISION SUMMARY

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 02-001

GENERAL NOTES:

1. The General Notes are to be supplemented by any and all other notes contained within the Construction Plans.
2. The Contractor shall ensure that a complete set of construction plans is kept on the job site at all times.
3. All work to be done in accordance with the Georgia Department of Transportation "Standard Specifications for Roads and Bridge Construction,"2021 Edition with Supplements and Revisions.
4. The Contractor shall assign and have on site at all times a competent superintendent knowledgeable of the construction techniques required to perform the various types of work being performed. IE Concrete, asphalt, storm drain etc. The Superintendent shall have full authority over all work forces and shall assure all work is performed per specified guidelines, specifications and remains on schedule.
5. The Contractor shall maintain the safety and convenience of the general public and the residents along all affected roadways. The Contractor shall protect their persons and property as specified in Sections 104.05, 107.07, 107.09, and 150.00 of the Georgia Department of Transportation "Specifications for Roads and Bridge Construction," 2021 Edition, with Supplements and Revisions.
6. All persons including subcontractors employed by the contractor shall wear personal protective gear including reflective safety vests while working within the project limits.
7. The Contractor shall install and maintain construction safety fencing in areas of excavation as required and directed by the Project Manager.
8. A staged construction plan for maintaining traffic throughout the project shall be submitted for approval by Owner within 10 days of Notice of Award. The contractor shall provide a detailed traffic control striping and signage plan for each stage of construction.
9. The Contractor shall furnish, install, and maintain all required barricades, signs, and other traffic control devices in compliance with the "Manual on Uniform Traffic Control Devices," 2009 Edition.
10. The Contractor shall apply for all needed street/lane closure permits from A-CC Traffic Engineering 706-613-3460 by noon Thursday prior to the week of work. The street/lane closure week starts on Sunday.
11. Storage of Materials and equipment shall be at locations approved by the Project Manager.
12. Aggregate Surface Course will be considered for payment only when used in temporary driveway construction. Other uses of aggregate surface course or gravel aggregate base shall be considered as Traffic Control.
13. The Contractor shall be responsible for the repair and/or replacement of all damaged property, including but not limited to structures, foundations, driveways, sidewalks, fences and landscape amenities. The Contractor shall protect all landscape amenities and shall be responsible for their relocation and/or replacement during the construction period as required by the Project Manager.
14. The contractor shall use temporary asphalt and or asphalt milling to maintain a safe and smooth riding surface as required by the Project Manager with all costs to be considered as incidental to Traffic Control.
15. The Contractor shall provide and maintain acceptable access to all businesses and residences to include driveways, sidewalks and stair entrances during the construction period as determined by the Project Manager.
16. The Contractor shall be responsible for uninterrupted mail service during the construction period. When necessary, mailboxes shall be temporarily relocated to a location convenient to mail carrier and patron.
17. The Contractor shall be responsible for maintaining uninterrupted utility services to all affected businesses and residences during the construction period. Any and all service interruptions shall be reported to the Project Manager and shall be promptly repaired at the expense of the Contractor.
18. The Contractor shall be required to use the one-call center telephone number, 1-800-282-7411, for the purpose of coordinating the marking of underground utilities.
19. The following utilities may have facilities in the project area:

Charter Communication 495 Hawthorne Avenue Athens, GA 30606 Office: N/A Cell: N/A Contact: Robert Williams robert.williams@charter.com	Atlanta Gas Light P.O. Box 1667 Athens, GA 30603 Office: (706) 549-4512 Cell: (608) 414-1813 Contact: Michael Harrison mharriso@southernco.com	ACC Public Utilities 124 E. Hancock Street Athens, GA 30601 Office: (706) 613-3470 Fax: (706) 613-3476 Contact: Hollis Terry hollis.terry@accgov.com	Georgia Power Transmission 3100 Kilowatt Drive Savannah, Georgia 31405 Phone: (678) 464-3243 Fax: N/A Contact: Melissa Wheeler Black mswheele@southernco.com
AT&T 125 Reese Street Athens, GA 30613 Office: (706) 353-4301 Cell: (706) 548-1621 Contact: Clay Johnson cj3079@att.com	GA Power Distribution 205 Dairy Park Road Athens, GA 30607 Office: (404) 989-5876 Fax: (706) 357-6670 Contact: Stephen Burroughs sburroug@southernco.com	ACC Traffic Engineering 2915 Lexington Road Athens, GA 30605 Phone: (706) 613-3460 Fax: (706) 613-3463 Contact: Tim Griffeth tim.griffeth@accgov.com	Walton EMC 842 US 78 Monroe, Georgia 30655 Office: (770) 267-2505 Fax: (770) 601-2795 Contact: Terry Allgood tallgood@waltonemc.com
Southern Gas Company 10 Peachtree Place Atlanta, Georgia 30309 Office: (404) 548-3176 Cell: (470) 316-6836 Contact: Ginny Mauldin vmauldin@southernco.com	Parker Fiber System 10005 Commerce Street Summerville, GA 30747 Office: (706) 857-4646 Cell: (618) 332-6518 Contact: Preston Watson preston@parkersystems.net	Lumen Technologies 345 Courtland Street Atlanta, GA 30045 Phone: (404) 394-0597 Fax: (720) 678-3493 Contact: Michael Mayes michael.mayes@lumen.com	ACC Meter Management 124 E. Hancock Street Athens, GA 30601 Office: (762) 400-7577 Fax: N/A Contact: James Kethley james.kethley@accgov.com

20. The Contractor shall notify all affected utility companies no later than 72 hours prior to any demolition or construction where water meter/service line adjustments, gas line adjustments and/or manhole adjustment/relocation is required.
21. Contractors performing Water and Sewer type construction shall be on Athens-Clarke County Public Utilities Department, Approved Contractors list.
22. Utility locations shown are approximate and shall be field verified prior to construction. The Contractor shall be responsible for verifying site conditions and the locations of all piping and utility installations, including but not limited to, manholes, boxes and services with respect to each utility. The Contractor shall ensure the protection and maintenance of all utilities and shall be responsible for their repair and replacement if damaged. No additional payment or time shall be considered due to any required work associated with repairs or replacement.
23. The Contractor shall be responsible for determining and resolving conflicts between the work and utilities, both underground and aerial (including poles). Such determinations shall be made in a timely manner to permit adjustments to be made before construction progress is obstructed.
24. Contractor shall submit sketches/shop drawings for resolving utility conflicts to the Project manager for approval and shall coordinate necessary adjustments or relocations with all utility companies involved. No additional payment or time shall be considered due to any required work associated with resolving conflicts with utilities.
25. The Contractor shall notify Athens-Clarke County Traffic Engineering 72 hours before assistance is needed with traffic related items.
26. The Contractor shall strictly adhere to dust control guidelines as set forth in Section 161-Control of Soil and Sedimentation, Sub-section 161.01 Description, of the Georgia Department of Transportation "Standard Specifications for Roads and Bridge Construction." No additional compensation will be made for dust control.
27. The contractor shall install and maintain all soil and erosion control measures as shown on the plans and as required by the Project Manager. The Contractor shall be responsible for maintaining all erosion and sediment control devices at all times and shall at all times be in compliance with the Georgia Department of Transportation "Standard Specifications for Roads and Bridge Construction," 2021 Edition with Supplements and Revisions. Additional erosion and sediment control measures will be installed if deemed necessary by the Project Manager.
28. Erosion Control Check Dams may be Rip-Rap or Baled Straw as determined applicable by the Project Manager.
29. As a minimum the contractor shall apply temporary Mulch to all cut and fill slopes within 5 days of grading and shall perform temporary grassing within two weeks of grading.
30. All disturbed areas outside the limits of construction are to be restored and grassed in kind by the contractor at his expense, with grass or sod, I.E. Fescue for Fescue, Bermuda Sod for Bermuda Sod, Zoysia for Zoysia, etc.
31. It shall be the Contractor's responsibility to legally dispose of any unsuitable or waste material.
32. Vertical and horizontal checks shall be performed to verify accuracy of all survey control points and referenced coordinates. Any discrepancy shall be resolved prior to commencing with the project layout.
33. Additional survey control points will be established and protected outside the construction limits every 500 LF. prior to beginning construction.
34. All property line monuments outside the construction limits disturbed in the prosecution of the work shall be reset by a professional land surveyor licensed by the State of Georgia, at the Contractor's expense.
35. The grades of all ditches and culverts shall not be less than 1% unless otherwise shown on the Plans.
36. All Storm drains and side drains shall be graded to drain.
37. All Storm and Side drain pipe shall be Type III, Reinforced Concrete Pipe.
38. All Catch Basins and Drop Inlets are to be brick masonry type and built in place or precast concrete. However; should precast concrete structures be used by the contractor, then the contractor shall be responsible for any changes to or re-fabrication of the structures due to field adjustments for conflicting utilities. Must meet GDOT specifications.
39. Covers for all 1033 and 1034 type Catch Basins shall be GDOT Standard and shall include the Athens-Clarke County Storm Water logo as can be provided by U.S. Foundry & Mfg. Corp., Atlanta branch,

    404 696 8810
40. Hoods for all 1019 type Drop Inlets shall be GDOT Standard and shall include a environmental stream logo with verbiage "No Dumping- Drains to Stream" or similar.
41. Covers for all 1011A Storm Sewer Manholes shall be GDOT Standard and shall include the Athens-Clarke County Storm Water logo as can be provided by U.S. Foundry & Mfg.
42. All new storm drain to have a minimum of 4 inches of clearance over water mains. Alternatively the storm drain shall be placed under the water main.
43. All new storm drain pipes crossing over sanitary lines with less than 12" of clearance will require concrete pipe supports.
44. Any and all Concrete Collars shall be considered incidental to the associated pay item.
45. All abandoned pipes are to be capped or plugged using brick and mortar or 8" thick concrete. This work is part of and considered incidental to the work of the associated pay item.
46. Concrete used for Concrete Trench Cap and Concrete Base or Pavement Widening shall be of the following Types and required curing times prior to normal traffic loading.
    - --- Class B cured a minimum 14 days
    - --- Class AA1 with Type III cement cured minimum 72 hours.
    - --- GDOT Accelerated Strength Concrete cured minimum 12 hours
    - --- Concrete found receiving traffic loading prior to the above cure times will be rejected. No added compensation shall be added for Class AA1 or GDOT Accelerated Strength Concrete when it is used to allow earlier traffic loading to expedite the work, roadway excavation and/or milling operations. Tops of all new storm sewer manholes shall be left below roadway grade and protected until final surface course has been installed. This work shall be considered part of an incidental to the associated pay item.
47. All manhole, catch basin, and drop inlet bottoms shall meet GDOT Standards and Details with the exception that brick bottoms shall not be allowed.
48. All Storm Sewer Trench cap shall be 8 inch thick concrete overlayed with 2 inches min. of Temporary Asphalt until final paving phase of project at which time the Temporary Asphalt will be milled and replace Corrugated metal pipe remaining under the pavement shall be filled with flowable fill.ed with permanent asphalt, thickness and type specified on plans.
49. Corrugated metal pipe remaining under the pavement shall be filled with flowable fill.
50. All existing Sanitary and Storm Sewer Manholes and water valve boxes shall be referenced, lowered and protected prior to roadway excavation and/or milling operations. Tops of all new storm sewer manholes shall be left below roadway grade and protected until final surface course has been installed. This work shall be considered part of and incidental to the associated pay item.
51. Before the commencement of the work, the contractor shall establish existing pavement elevations throughout the project limit by collecting pavement elevation shots between the existing edge of pavement at 20 feet interval. Pavement shots shall be taken at each edge of pavement as well as every break in pavement slopes between pavement edges.
52. Electronic Message Boards shall be installed 5 business days prior to start of construction to advise and inform the public, and shall remain on site through the duration of the project. Two message boards are required and the cost shall be incidental to Traffic Control.
53. No lane closures will be permitted on Friday after 12:00 PM or on Saturday the week of a UGA home football game or UGA Graduation.
54. Final adjustment of manholes and water valve boxes shall be performed after the final surface course has been installed. The contractor shall reference and lower water valves and manholes below proposed grade prior to pavement removal.
55. Rock encountered in trench line excavation that requires blasting to excavate, shall be paid for as Rock Excavation. Contractor shall excavate rock utilizing up to a 75,000 LB excavator equipped with rock buckets, hammer/breakers, rippers or other attachments before resorting to the use of blasting. Rock requiring the use of an excavator larger than 75,000 lb equipped with aforementioned attachments will be paid for as Rock Excavation.
56. Where wet conditions and unstable foundation materials are encountered in trench lines, Foundation Backfill Material will be used at a depth directed by the Project Manager and shall be paid for as Foundation Backfill Material Type II.
57. When unsatisfactory non-compactable backfill material is encountered in trench lines as determined by the Project Manager, Type I Back Fill Material will be used and paid for as Section 206, Borrow Excavation.
58. Layout of curb and gutter, sidewalk, driveways and checking of vertical and horizontal alignment of associated forms shall be performed by the contractor and inspected by the Project Manager. Such inspections shall be requested in a timely manner to permit adjustments if necessary prior to installation of concrete.
59. Existing pavement will be saw cut by the Contractor, as shown on the plans and as directed by the Project Manager, to provide a smooth and even tie-in for the placement for the new pavement surface. The saw cutting is incidental to the cost of associated pay item.
60. The contractor shall use Forest Best Management Practices and shall be governed by the Athens-Clarke County Code of Ordinance,Title 8, Chapter 8-7 with special attention given to18- (h) 1,2,3 and can be accessed on line at http://www.athensclarkecounty.com/documents/code/index.htm
61. The contractor shall be responsible for any damage to trees that are scheduled to remain throughout the Work, inside and bordering the temporary and permanent easements. Special care shall be taken so as not to break limbs, scar the bark, or cut/damage tree roots during construction. The Project Manager shall meet with the contractor prior to beginning of clearing and designate and mark trees which will remain throughout the Pro1ect.
62. Tree Protection fencing shall be placed outside the critical root zone of all trees where possible. Instructions from the Project Manager will be obtained if this is not possible.
63. No equipment shall be parked or operated on any root zone of trees along the construction area. Roots encountered during excavation shall be neatly cut.
64. Any tree damage shall be reported immediately to the Project Manager who in turn will report it to the Community Forester.
65. Adjustments to water meter box and traffic pull boxes shall be considered part of and incidental to the associated pay item. Water Meter Boxes remaining in the sidewalk will be centered over the shut off valves.
66. Removal and resetting of signs and/or necessary temporary signage required, will be considered incidental to work. Contractor must coordinate locations or relocate signs with ACCUG Traffic Engineering (706-613-3460). Any removed signs must be delivered to Traffic Engineering at 2795 Lexington Rd.
67. All curb and gutter requires the installation of compacted Graded Aggregate Base matching typical section dimensions prior to forming and placement of concrete.
68. All curb and gutter that is to be removed and replaced shall be removed and replaced to the nearest full Joint. Transition proposed curb and gutter as to assure a smooth tie-in. No separate payment.
69. Contractor to align all water proposed inlets with weir perpendicular to swale/ditch sections.
70. All driveways that are to be reconstructed will be paved back to the tie in point or required right of way. Whichever is greater. All driveways over 11% in grade should be paved with concrete unless otherwise noted in the plans. All other driveways should be replaced as follows: asphalt for asphalt, concrete for concrete, and asphalt for earth/gravel drives. Residential drives should be 14 feet wide at the throat unless noted otherwise in the plans. Commercial drives should be 24 feet wide unless noted otherwise in the plans. Existing driveway locations are shown from the best available data: the contractor should construct driveways to match the location of existing driveways at the tie in point, if applicable. The contractor should obtain the approval from the engineer prior to making any revision to location, width, and/or number of drives to be constructed. Drives should be constructed using:

- Residential:

  Asphalt - Recycled Asph Conc 12.5 mm Superpave
  Graded Aggregate Base, 6 in
  Concrete - Driveway Concrete, 6 in Thick
  (Urban Shoulder) Conc Valley Gutter, 6 in

- Commercial:

  Asphalt - Recycled Asphalt Conc 12.5 mm Superpave
  220 LB/SY Recycled Asphalt Conc
  19 mm Superpave, GP 1 or 2, incl bitum matl & H Lime
  Graded Aggregate Base, 6 in
  Concrete - Driveway Concrete, 8 in Thick
  (Urban Shoulder) Conc Valley Gutter, 8 in

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

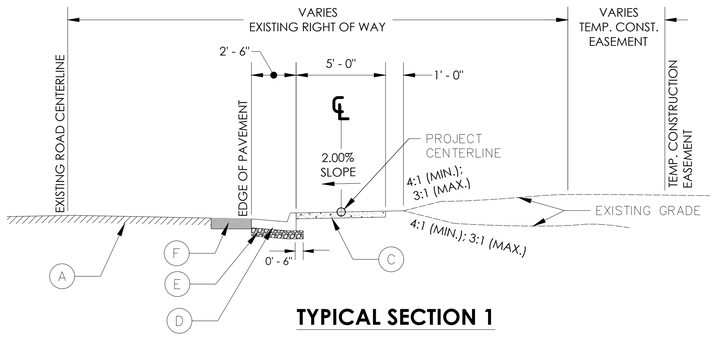
ATHENS–CLARKE COUNTY, GA

SHEET TITLE: GENERAL NOTES

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

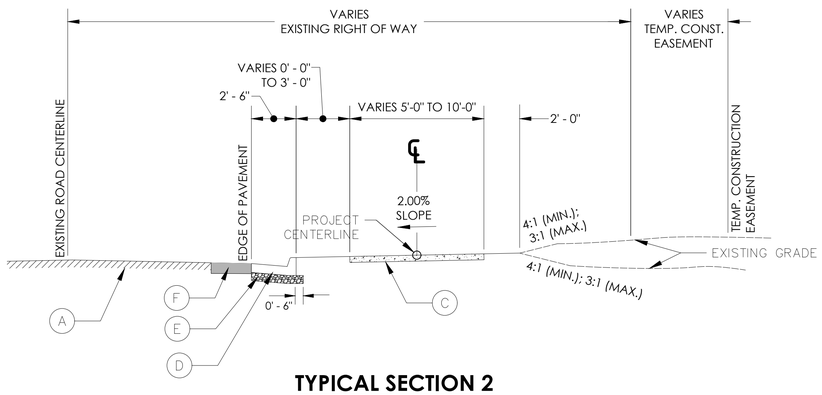
PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 04-001



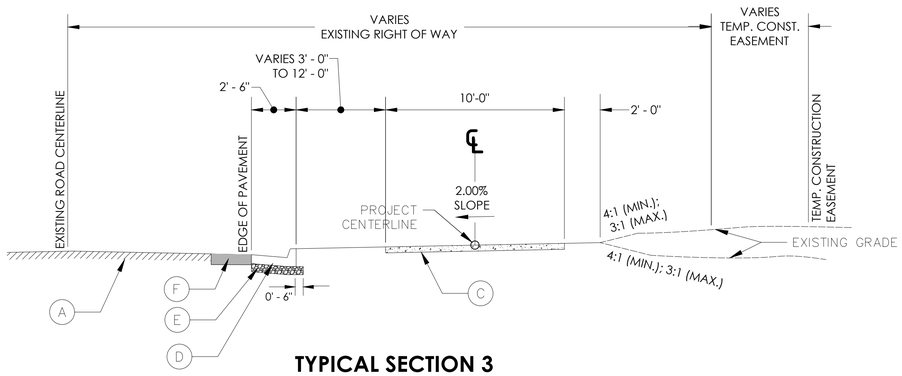
TYPICAL SECTION 1

LEXINGTON ROAD
STA 10+15.00 TO 10+23.58



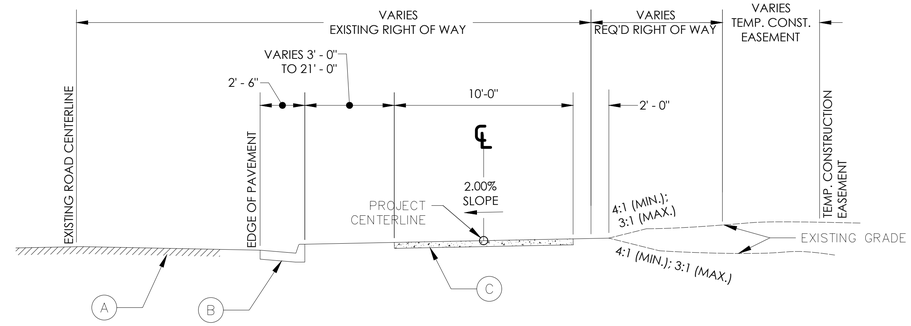
TYPICAL SECTION 2

LEXINGTON ROAD
STA 10+23.58 TO 10+39.19



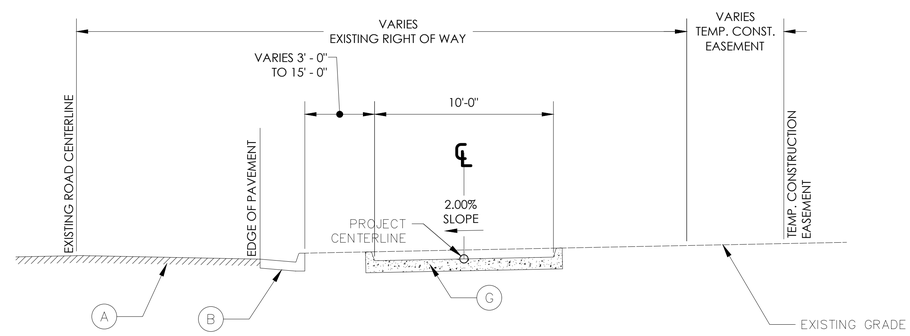
TYPICAL SECTION 3

LEXINGTON ROAD
STA 10+39.19 TO 14+91.60
STA 16+40.46 TO 20+42.81



TYPICAL SECTION 4

LEXINGTON ROAD
STA 14+91.60 TO 16+40.46
STA 20+42.81 TO 20+71.47
STA 21+19.79 TO 24+60.54
STA 25+16.25 TO 26+92.96



TYPICAL SECTION 5

LEXINGTON ROAD - MEDIAN CUT THROUGH
STA 20+87.81 TO 21+02.87
STA 24+75.30 TO 24+95.77

REQUIRED PAVEMENT LEGEND

- (A) EXISTING ASPHALT ROADWAY
- (B) EXISTING CONCRETE CURB AND GUTTER
- (C) NEW CONCRETE PATH, 4 IN THICK
- (D) NEW CONCRETE CURB AND GUTTER, 6 IN X 30 IN, TYPE 2, GDOT DETAIL 9032B
- (E) GRADED AGGREGATE BASE, 6 IN THICK
- (F) CLASS B CONCRETE WIDENING PER ACC DETAIL 1-030
- (G) NEW CONCRETE PATH WITH 6 IN HEADER CURB, TYPE 2 (MONOLITHIC POUR), 8 IN THICK

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REVISION BLOCK

REV. NO.	DATE	DESCRIPTION

ATHENS–CLARKE COUNTY, GA

SHEET TITLE: TYPICAL SECTIONS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
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Sheet: 05-001

CONSTRUCTION ITEMS		
ITEMS	UNIT	QTY
EXCAVATION - ROCK	CY	5
BORROW EXCAVATION, INCL MATL	CY	25
FOUNDATION BACKFILL MATL, TP II	CY	100
GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	1780
AGGR SURF CRS	TN	20
RECYLCED ASPH CONC 9.5 MM SUPERPAVE, TYPE II BLEND 1, INCL BITUM MATL AND H LIME	TN	50
RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL AND H LIME	TN	20
RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL AND H LIME	TN	25
TACK COAT	GL	40
CONC SIDEWALK, 4 IN	SY	1510
CONC SIDEWALK, 8 IN (FOR ADA RAMP)	SY	150
CONCRETE MEDIAN, 6 IN	SY	35
CONCRETE CURB & GUTTER, 6 IN X 30 IN, TP 2	LF	1050
CLASS A CONCRETE (8" TRENCH CAP)	CY	10
CLASS B CONC, BASE OR PVMT WIDENING	CY	35
RESET FENCE	LF	250
ADJUST WATER METER BOX TO GRADE	EA	1
ADJUST WATER VALVE BOX TO GRADE	EA	2
FIRE HYDRANT	EA	1
DETECTABLE WARNING SURFACE	SF	310
8 IN SIDEWALK WITH MONOLITHIC 6 IN TP 2 HEADER CURB	SY	50
REMOVE AND RESET CONCRETE BARRIER	LS	1

STANDARD SIGN QUANTITIES

STATION	OFFSET	CODE	SIGNS						POSTS			REMOVE SIGN	RESET SIGN
			TYPE 1 MATL, REFL SHEETING, TYPE 9			TYPE 1 MATL, REFL SHEETING, TYPE 11			GALV STEEL POST, TYPE 8				
			SIZE (IN)	QUANTITY	SQUARE FEET	SIZE (IN)	QUANTITY	SQUARE FEET	LENGTH (FT)	QUANTITY	TOTAL LENGTH	QUANTITY	QUANTITY
14+08.24	7.02' RT	R1-2				48X48X48	1	7	13	1	13		
14+29.10	9.53' LT	R560-5	18X24	1	3				13	1	13		
14+91.17	6.39' RT	R560-5	18X24	1	3				13	1	13		
15+73.39	6.42' RT	N/A										1	1
18+98.47	8.69' RT	N/A										1	1
20+46.21	6.74' RT	R1-2				48X48X48	1	7	13	1	13		
20+69.79	10.94' LT	N/A										1	
20+72.53	16.67' LT	R560-5	18X24	1	3				13	1	13		
21+21.02	9.57' LT	N/A										1	1
21+43.63	6.29' RT	R560-5	18X24	1	3				13	1	13		
22+26.06	9.01' LT	N/A										1	1
23+10.33	6.64' TR	N/A										1	1
24+47.17	6.08' RT	N/A										1	
24+64.21	16.65' LT	R560-5	18X24	1	3				13	1	13		
25+39.92	6.33' RT	R560-5	18X24	1	3				13	1	13		
26+63.55	20.21' RT	R1-2				48X48X48	1	7	13	1	13		
26+84.63	15.41' LT	R560-5	18X24	1	3				13	1	13		
N/A	N/A	R560-5	18X24	1	3				13	1	13		
		TOTAL		8	24		3	21		11	143	7	5

SIGNING AND MARKING ITEMS		
ITEMS	UNIT	QTY
REMOVE SIGN	EA	7
RESET SIGN	EA	5
RIGHT OF WAY MARKERS	EA	10
HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	SF	24
HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	21
GALV STEEL POST, TP 8	LF	143
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	1050
THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	20
THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	970

TEMPORARY GRASSING AND EROSION QUANTITIES

TEMPORARY GRASSING	MULCH	TEMPORARY SILT FENCE, TP A	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	CONSTRUCT AND REMOVE INLET SEDIMENT TRAPS, SD2-P	MAINTENANCE OF INLET SEDIMENT TRAPS, SD2-P	CONSTRUCTION EXIT	MAINTENANCE OF CONSTRUCTION EXIT	BARRIER FENCE (ORANGE), 4 FT - TREE PROTECTION
AC	TN	LF	LF	EA	EA	EA	EA	LF
0.5	20	200	200	6	6	2	2	1520

PERMANENT GRASSING AND EROSION QUANTITIES
GRASSING INCLUDING FERTILIZER AND LIME
SY
2300

STORM DRAIN QUANTITIES

STRUCTURE NUMBER	STATION	OFFSET	PROFILE SHEET NUMBER	STORM DRAIN PIPES		STORM DRAIN STRUCTURES			
				14 IN X 23 IN ELLIPTICAL RCP	19 IN X 30 IN ELLIPTICAL RCP	MANHOLE, TYPE 1 GDOT DETAIL 1011A	CATCH BASIN, GROUP 1 GDOT DETAIL 1033D AND 1034D	CATCH BASIN, GROUP 1 ADDITIONAL DEPTH	DROP INLET, GROUP 1, GDOT DETAIL 1019A
				LF	LF	EA	EA	LF	EA
A1	11+39.84	6.50' RT	22-001				1	0.78	
B1	14+29.52	7.14' RT	22-001		20	1			
B2	14+49.46	8.88' RT	22-001		45		1		
B3	14+94.53	9.95' RT	22-001		136				1
B4	17+73.87	15.18' RT	22-001	144			1		
B5	19+67.71	14.51' RT	22-002	194			1		
B6	14+28.98	20.57' LT	22-002				1		
			TOTAL	338	201	1	5	0.78	1

TRAFFIC CONTROL	LUMP SUM
CLEARING AND GRUBBING	LUMP SUM
GRADING COMPLETE	LUMP SUM

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REV. NO.	DATE	DESCRIPTION

ATHENS–CLARKE COUNTY, GA

SHEET TITLE: SUMMARY OF QUANTITIES

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO: 19022041.03
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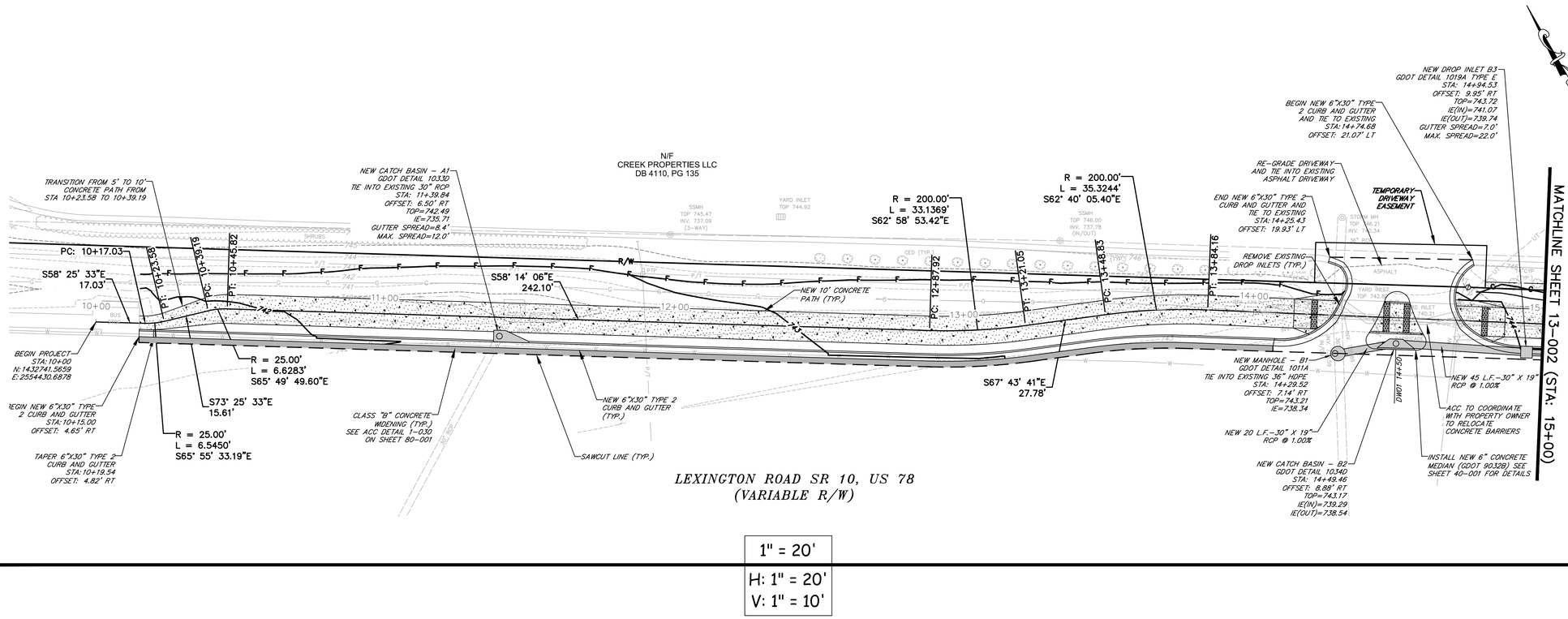
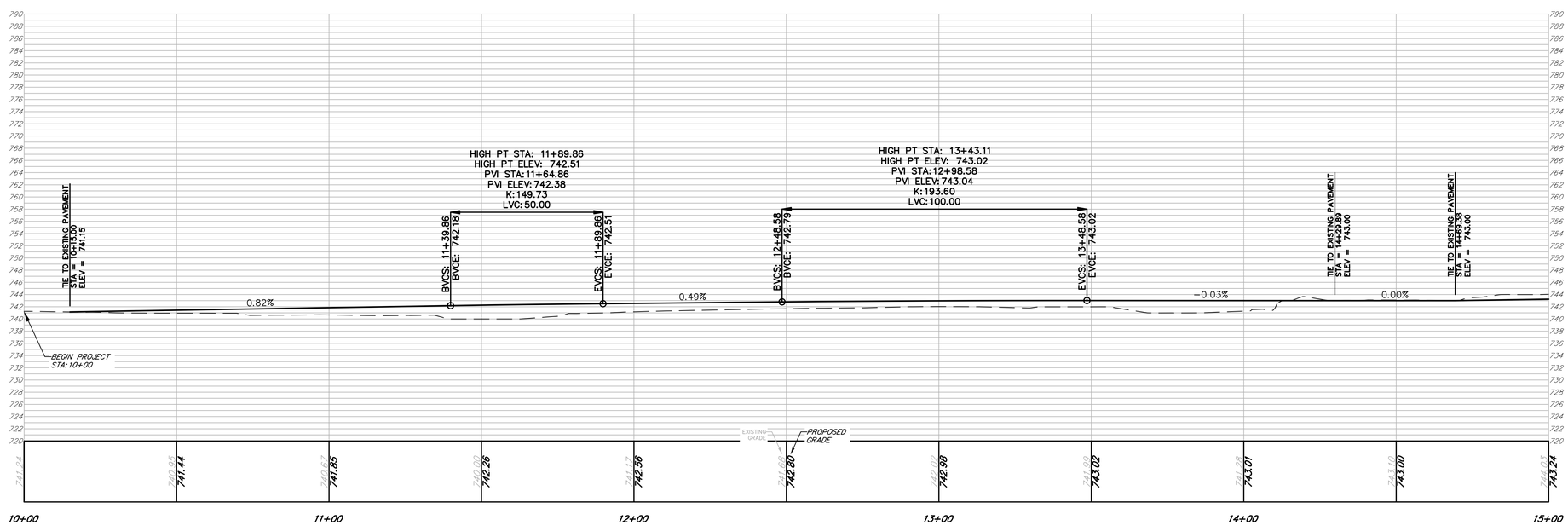
Sheet: 06-001



1" = 20'

H: 1" = 20'
V: 1" = 10'



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ATHENS–CLARKE COUNTY, GA

SHEET TITLE:
CONSTRUCTION PLAN AND PROFILE

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

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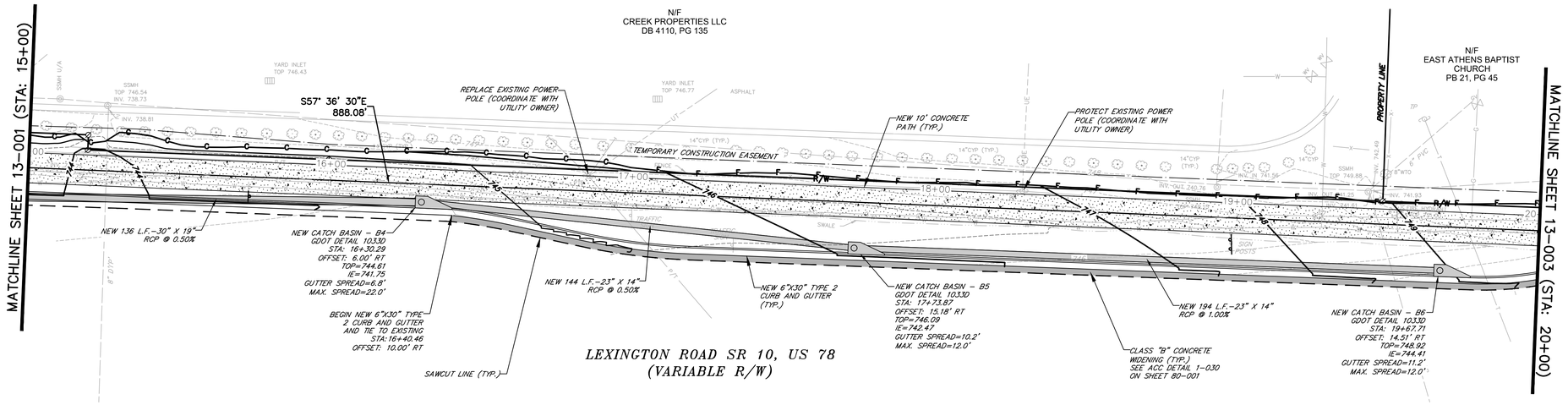
13-001



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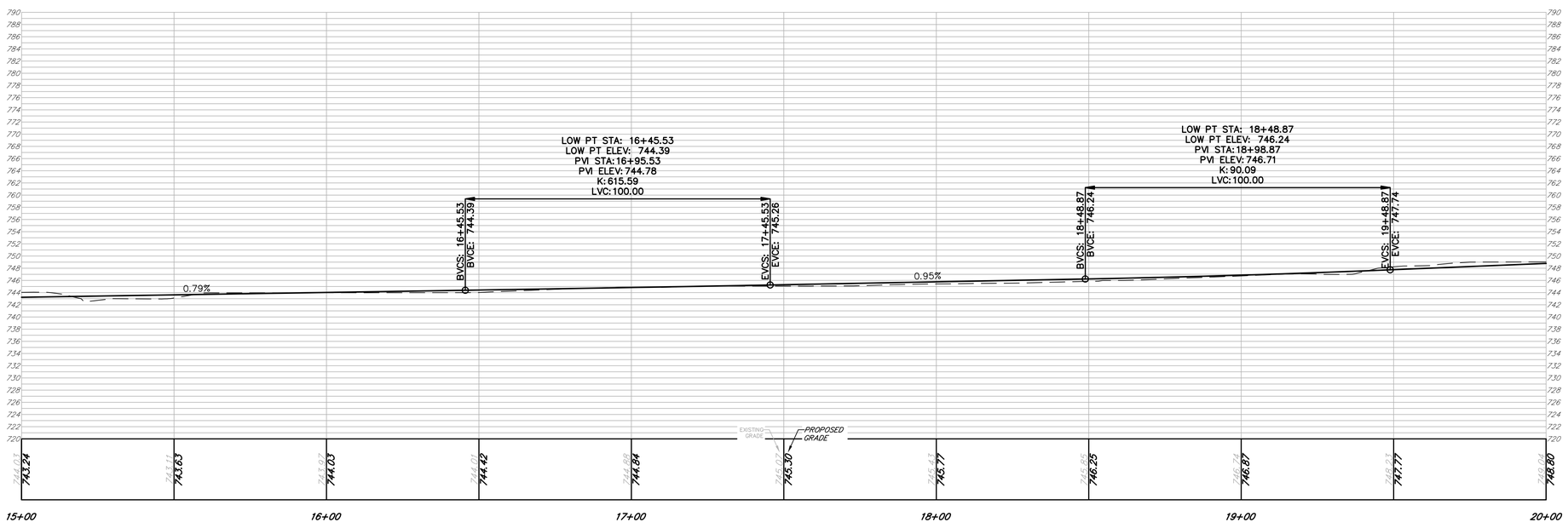

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ATHENS-CLARKE COUNTY, GA

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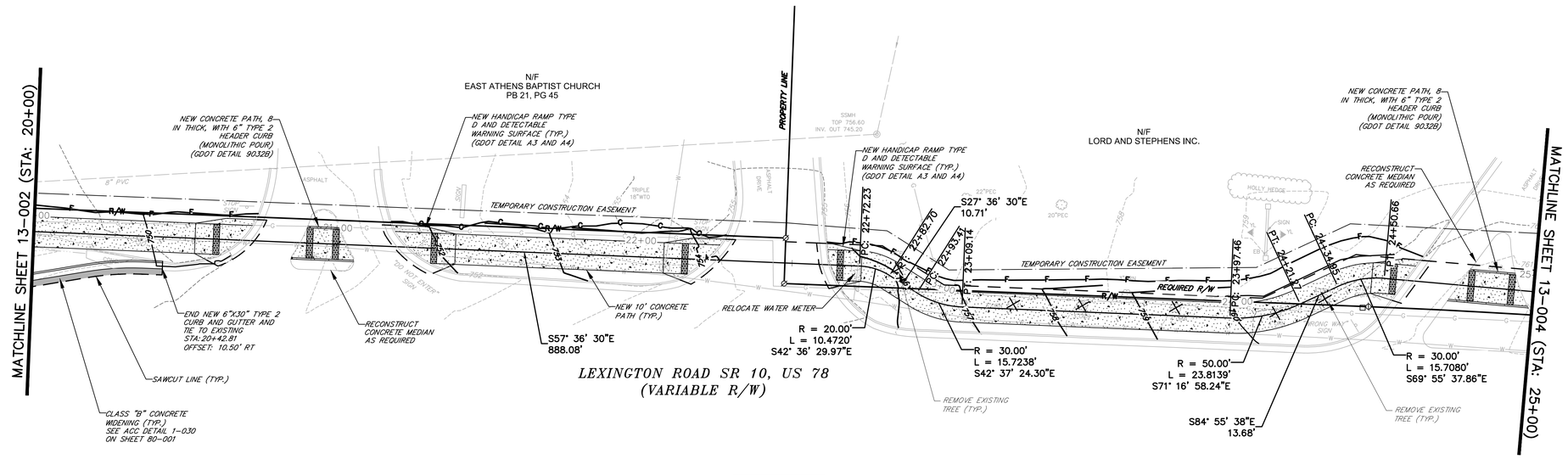

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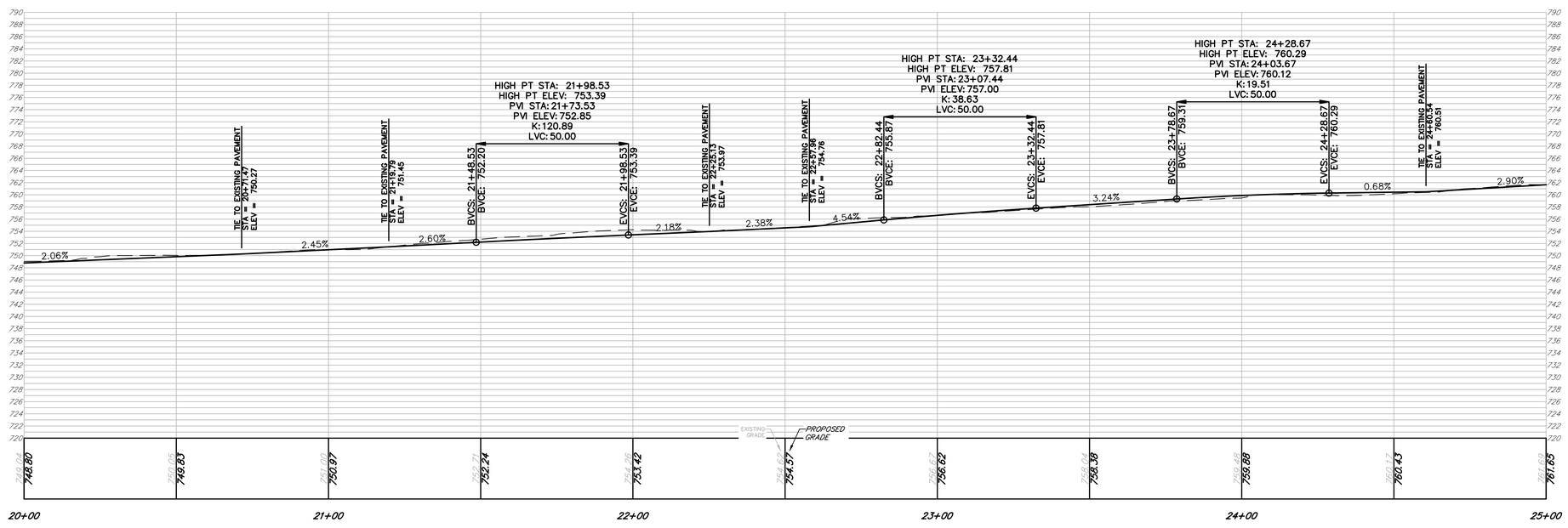
V: 1" = 10'



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ATHENS-CLARKE COUNTY, GA

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PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

SCALE IN FEET 20 0 20

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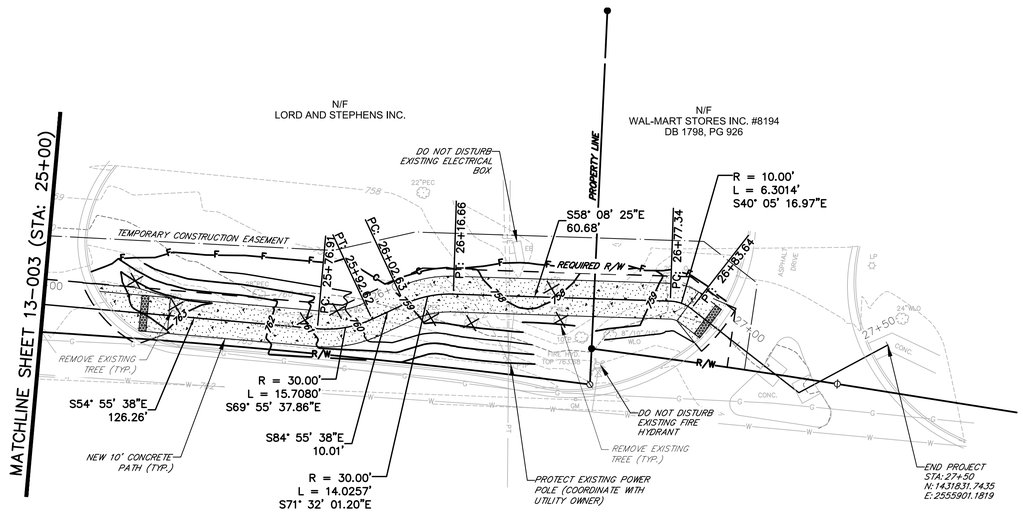
13-003



LEXINGTON ROAD SR 10, US 78
(VARIABLE R/W)

1" = 20'

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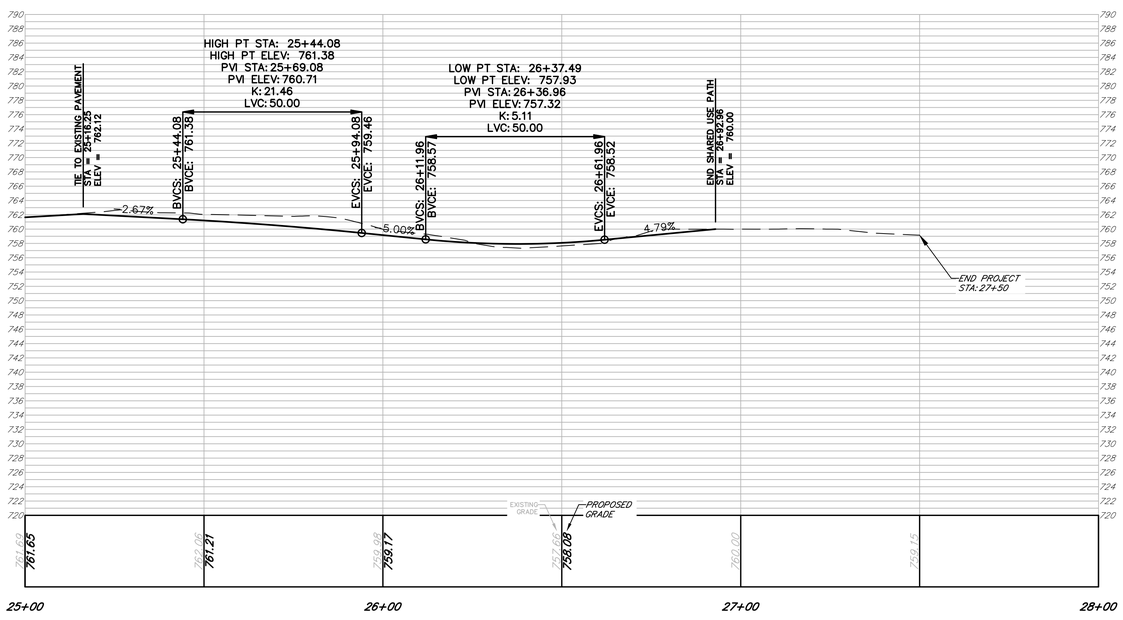
V: 1" = 10'



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ATHENS-CLARKE COUNTY, GA

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CONSTRUCTION PLAN AND PROFILE

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

SCALE IN FEET: 20 0 20

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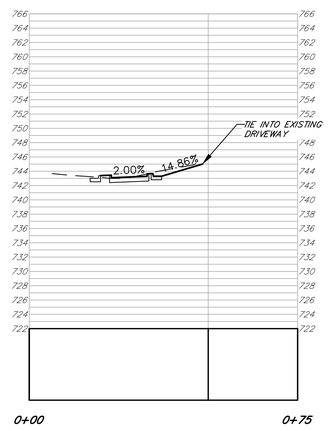

DRIVEWAY 01
STA: 14+50

SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'

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ATHENS-CLARKE COUNTY, GA

SHEET TITLE:
DRIVEWAY PROFILES

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

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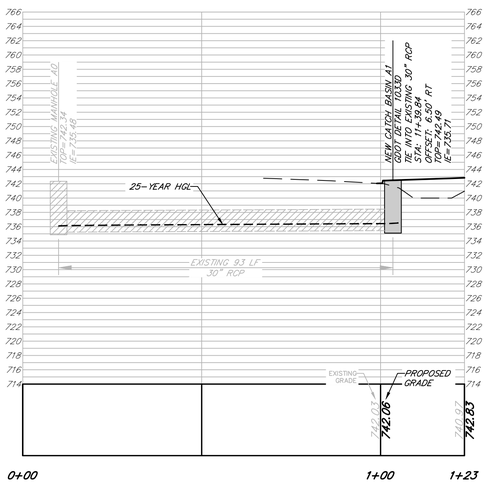
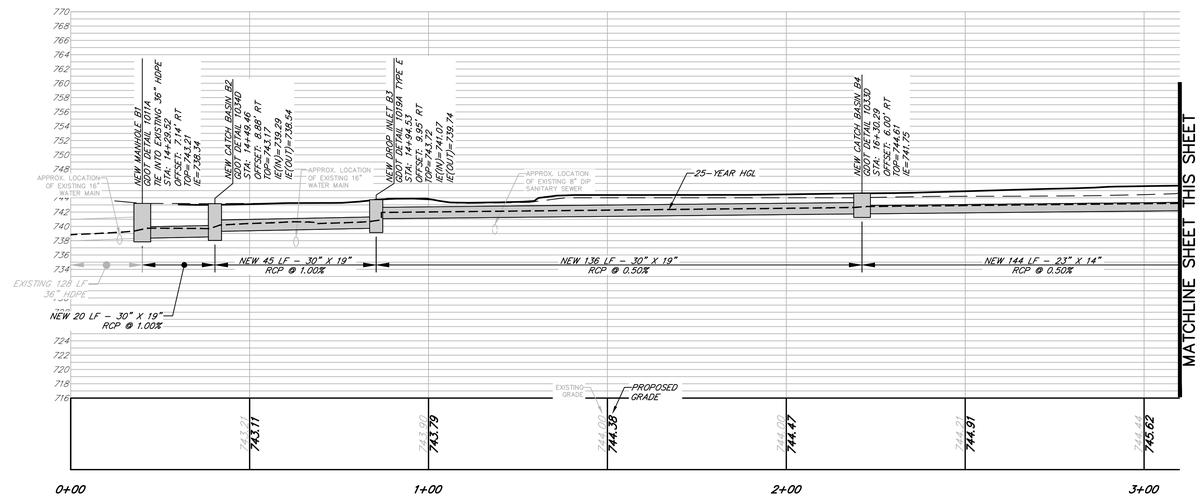


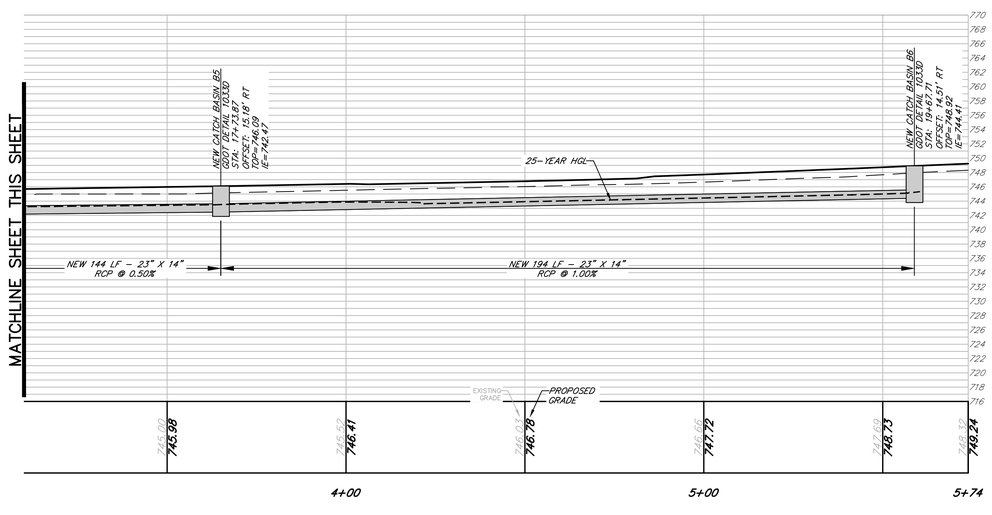
STORM LINE A

SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'



STORM LINE B

SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'



STORM LINE B

SCALE: HORIZONTAL: 1"=20'
VERTICAL: 1"=10'

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ATHENS-CLARKE COUNTY, GA

SHEET TITLE: DRAINAGE PROFILES

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

SCALE IN FEET: 20 0 20

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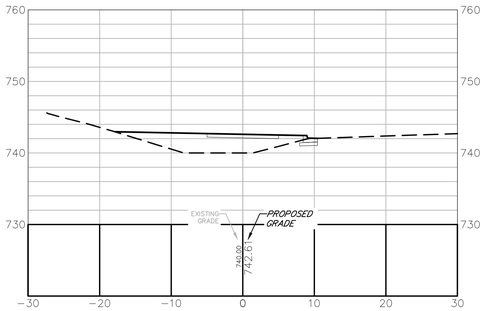

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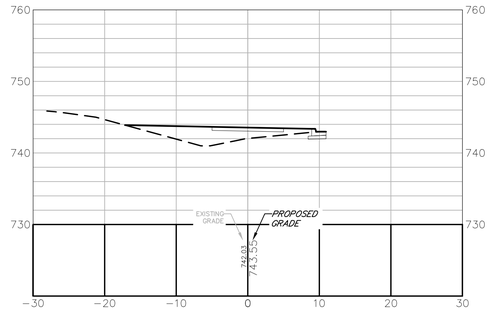

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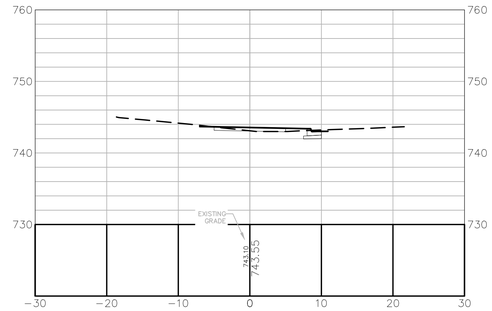

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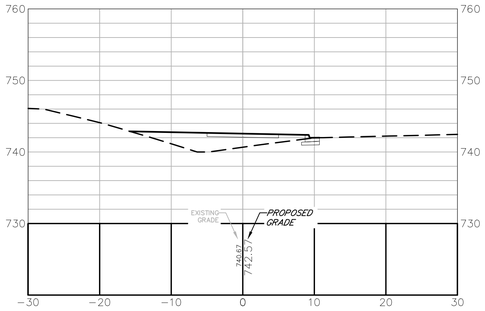

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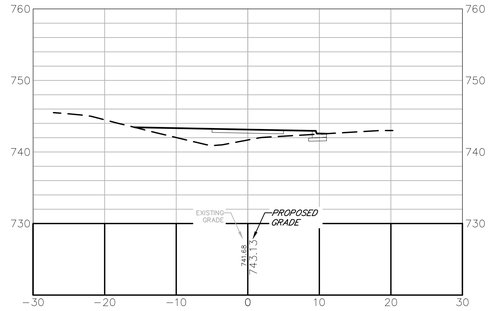

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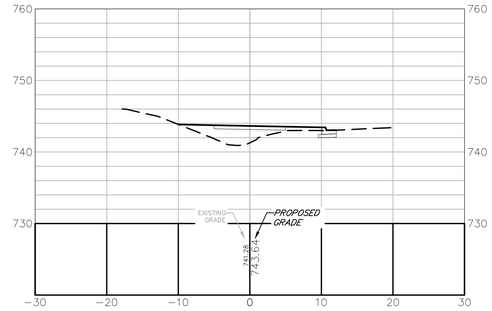

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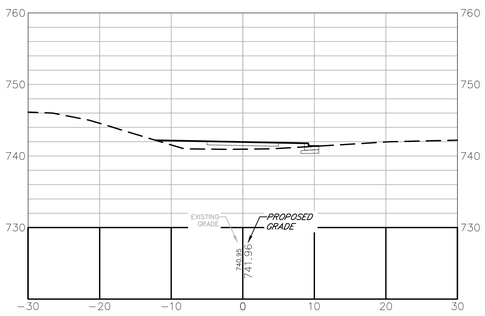

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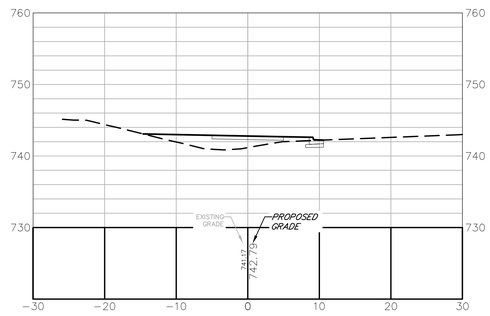

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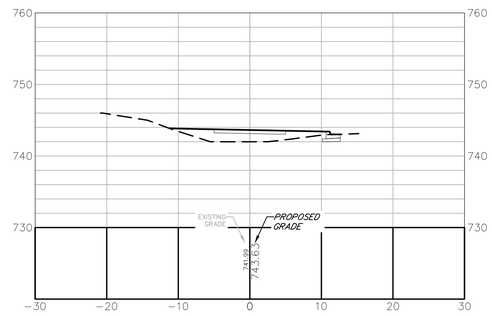

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS–CLARKE COUNTY, GA

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

10 0 10
SCALE IN FEET

PROJECT INFORMATION

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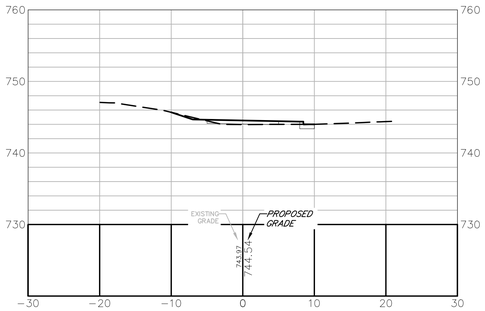
16+00



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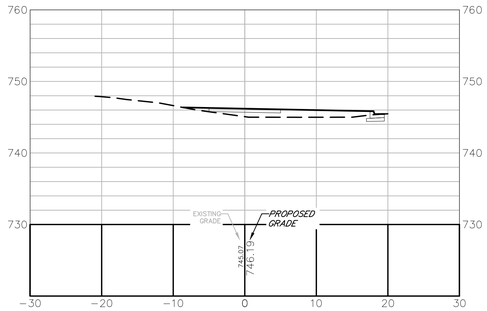

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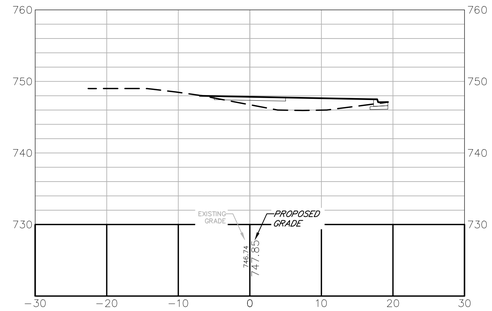

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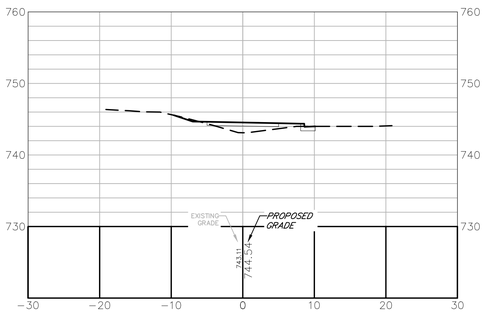

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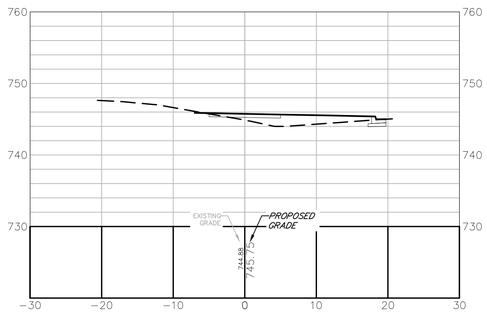

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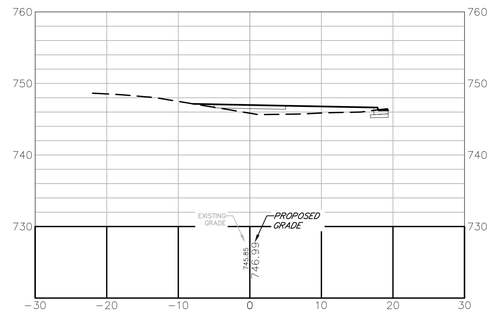

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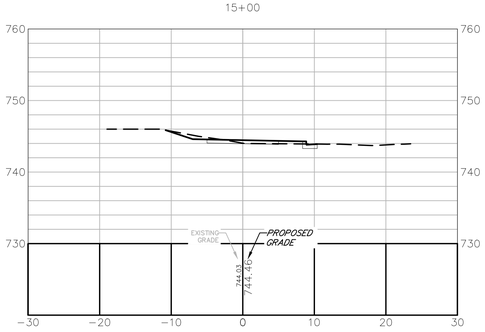

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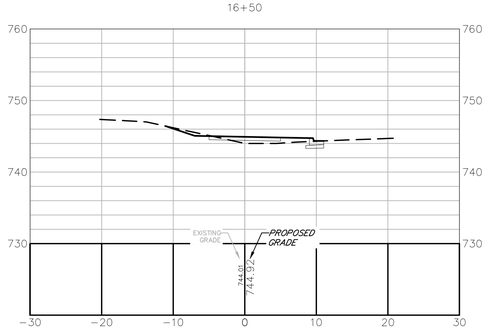

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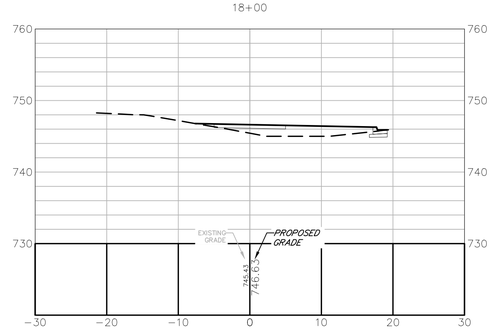

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R E V I S I O N B L O C K

ATHENS–CLARKE COUNTY, GA

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23-002

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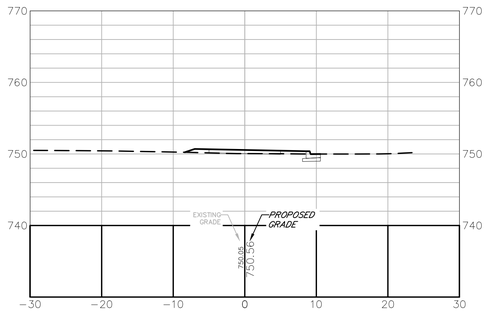

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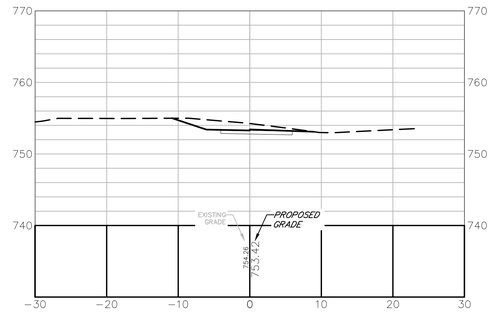

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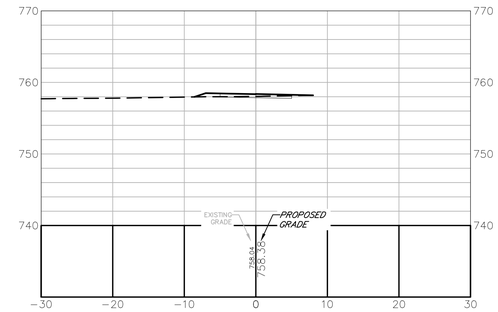

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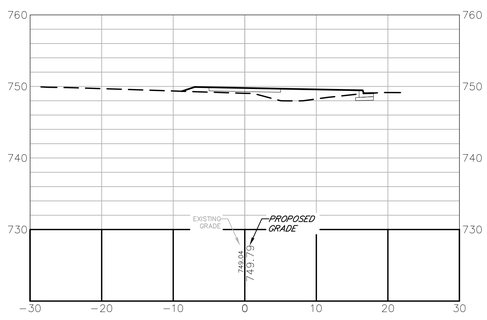

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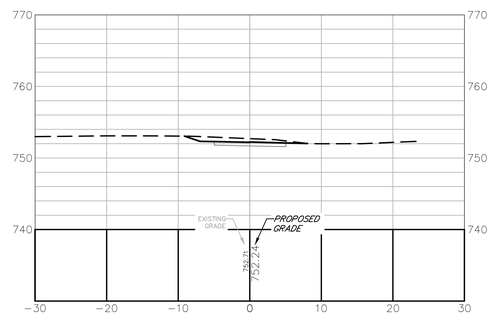

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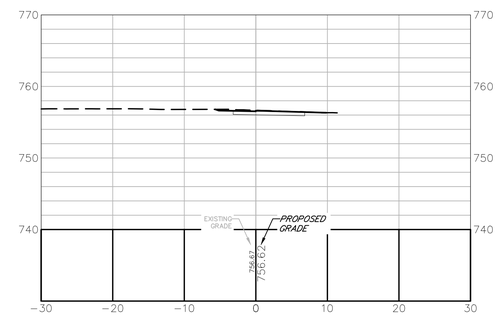

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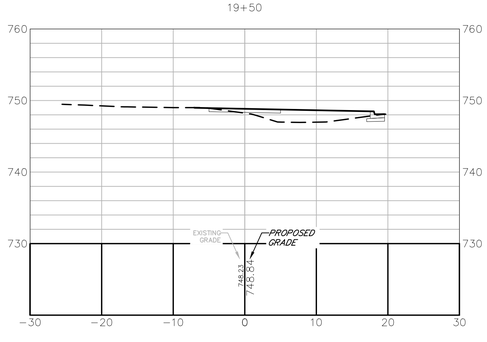

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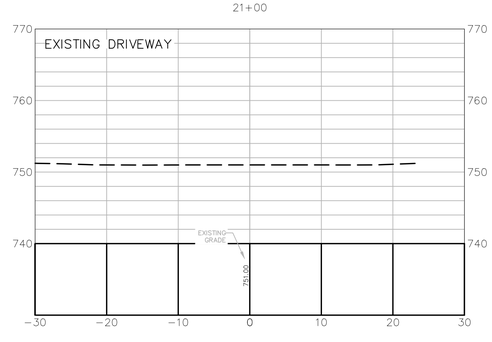

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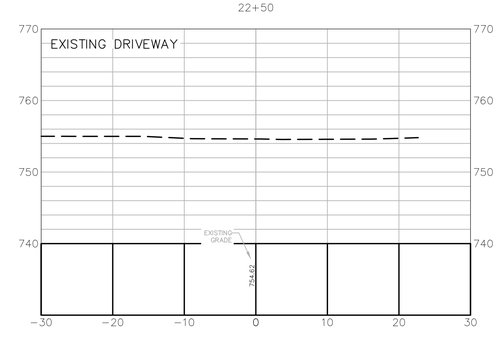

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

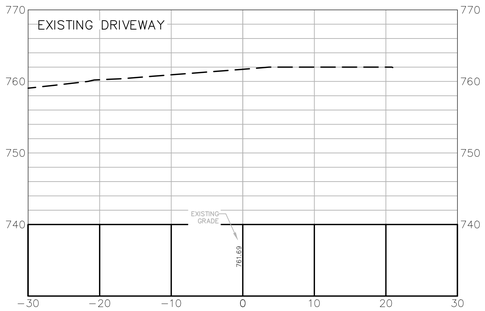
SCALE 10 0 10 IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 10'
ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
23-003

25+00



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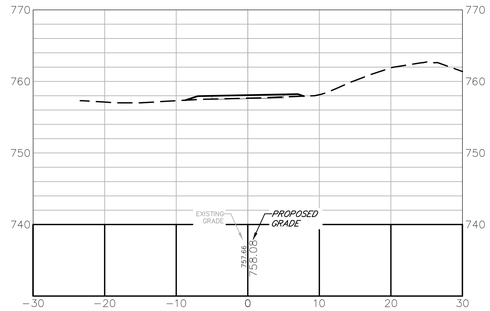

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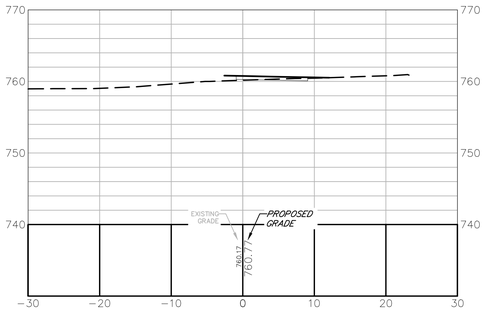

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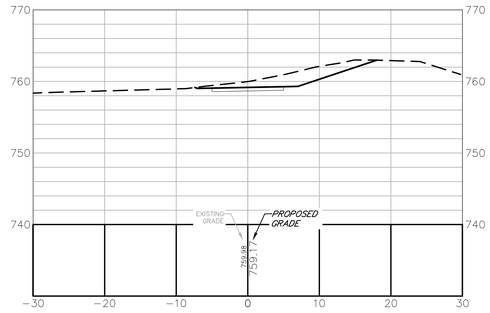

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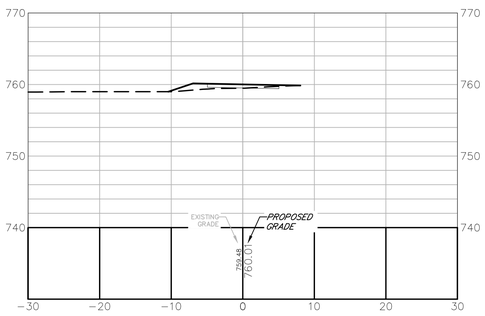

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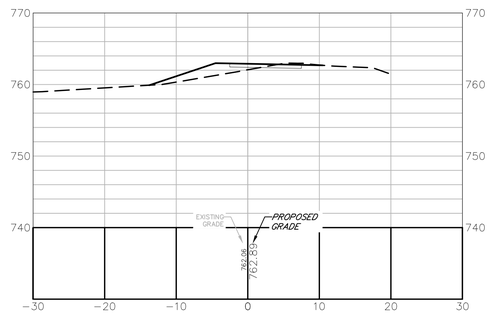

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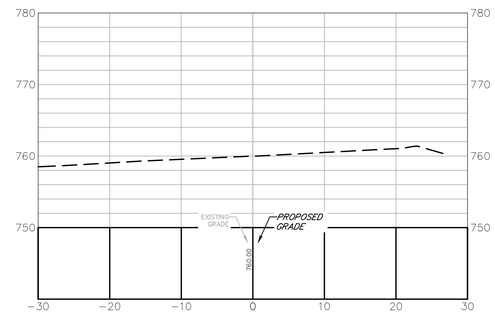

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE:
CROSS SECTIONS

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

10 0 10
SCALE IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
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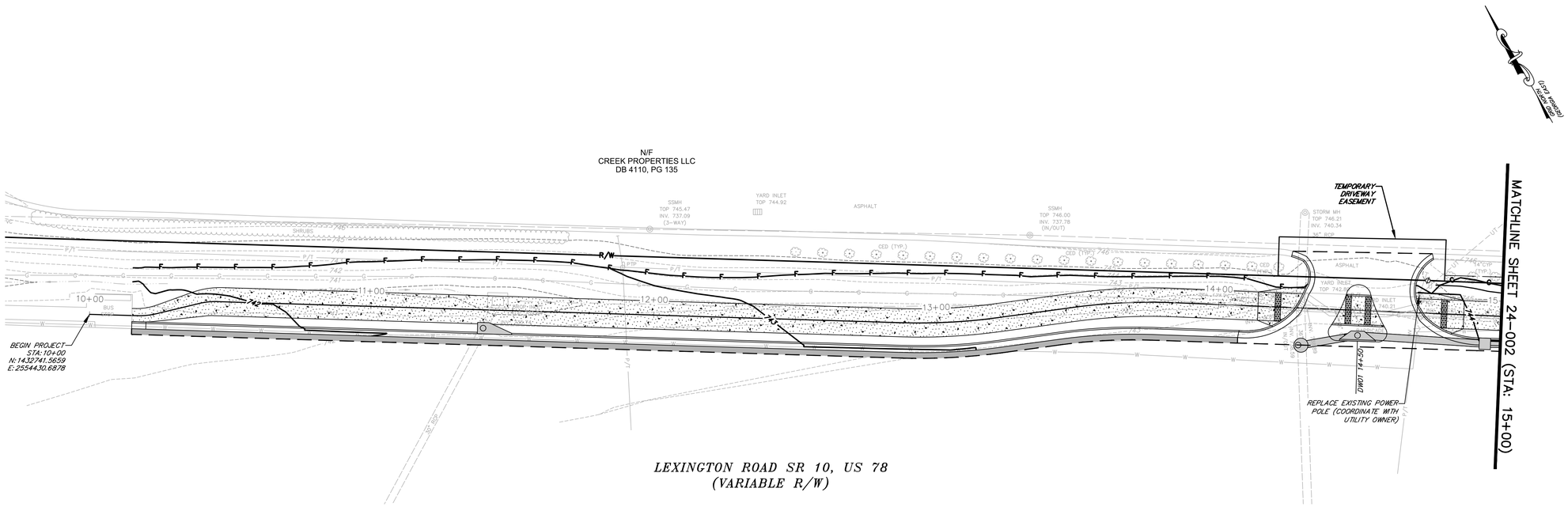
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 10'
ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
23-004



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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE:
UTILITY PLAN

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
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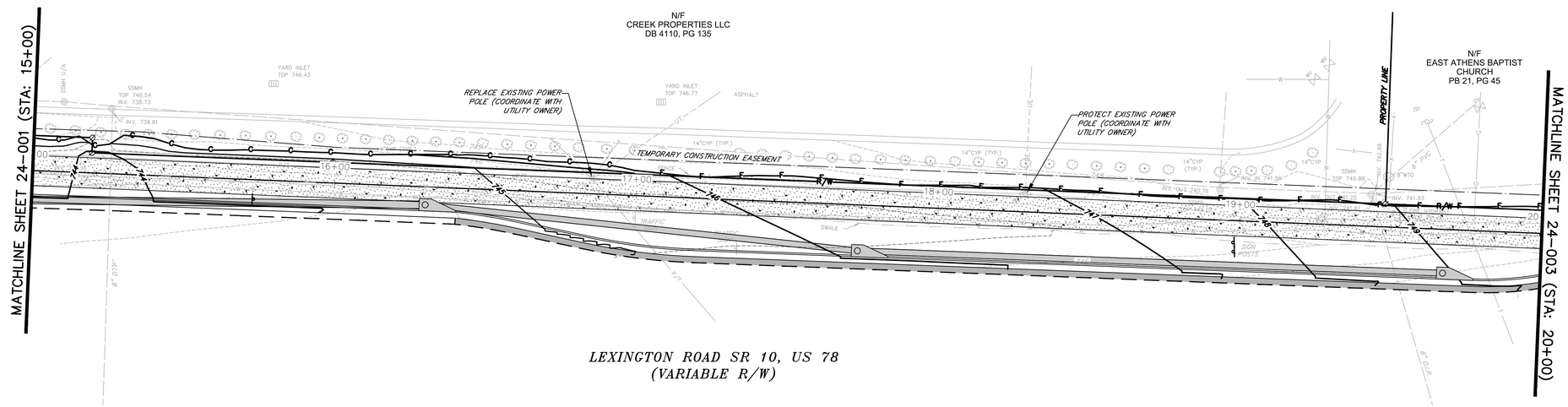

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ATHENS-CLARKE COUNTY, GA

SHEET TITLE:
UTILITY PLAN

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
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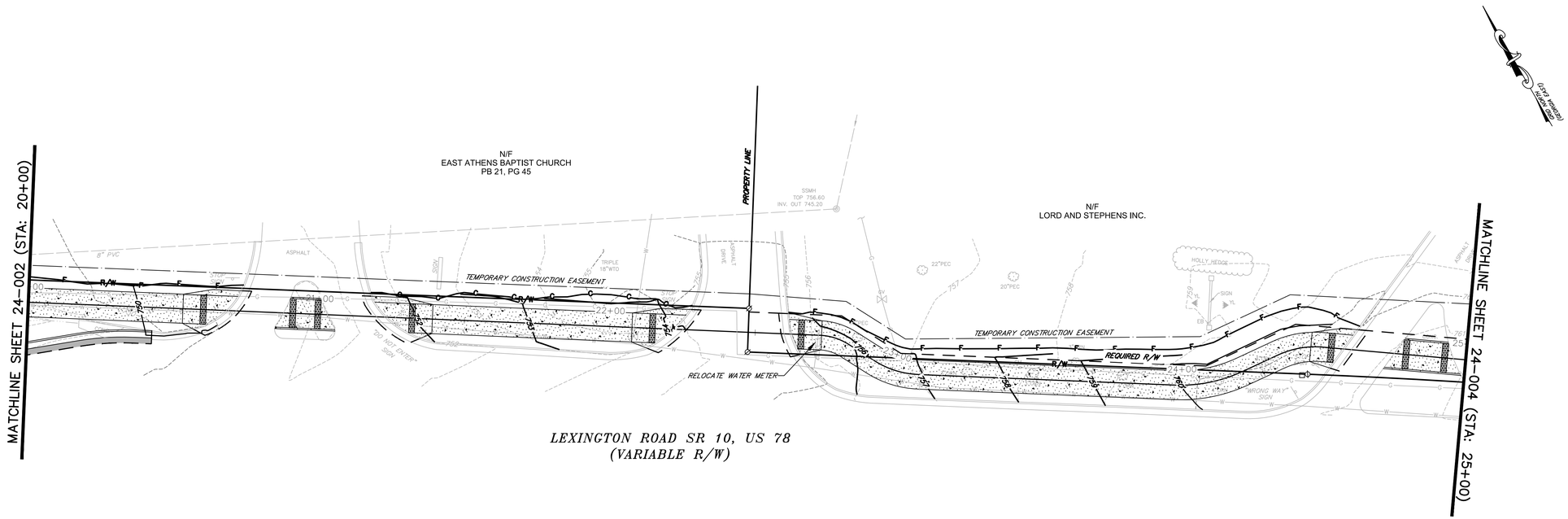
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
24-002



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ATHENS-CLARKE COUNTY, GA

SHEET TITLE:
UTILITY PLAN

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
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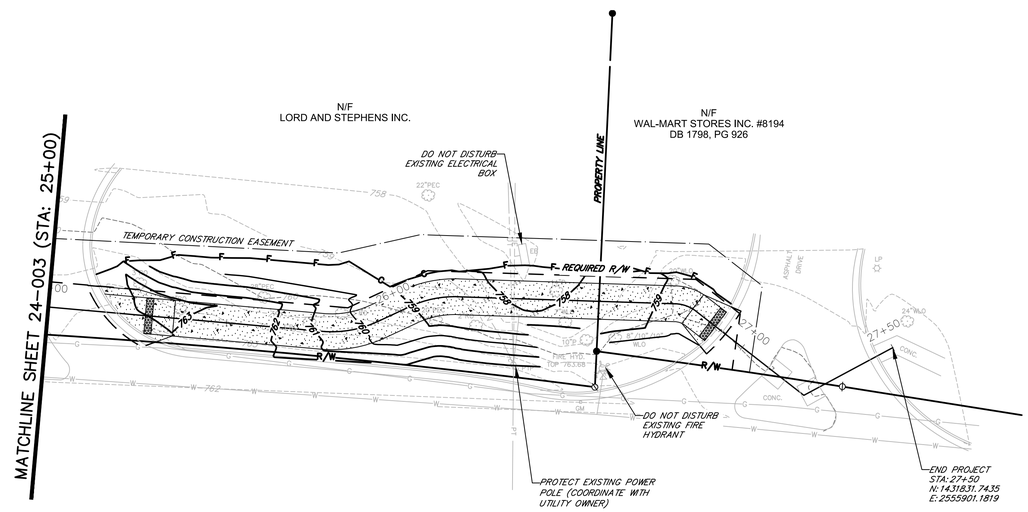
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
24-003



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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: UTILITY PLAN

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

SCALE IN FEET: 20 0 20

PROJECT INFORMATION

JOB NO: 19022041.03

DRAWN BY: KC

CHECKED BY: VC

DRAWING FILE: 19022041.03E.DWG

DRAWING SCALE: 1" = 20'

ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
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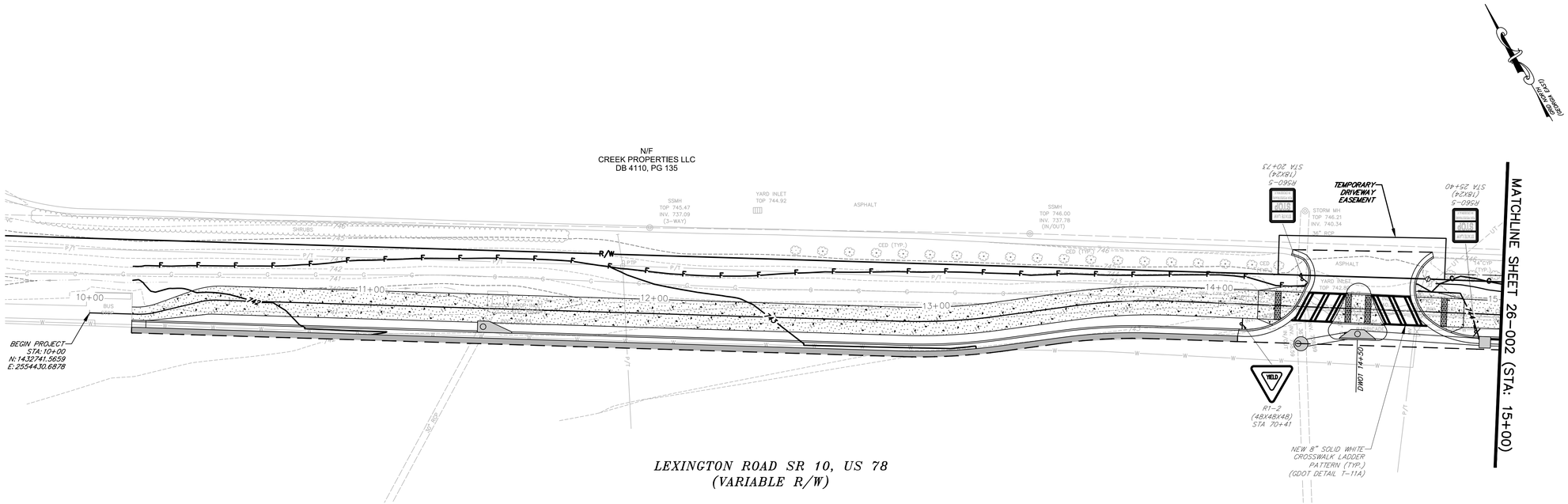

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE:
SIGNING AND MARKING PLAN

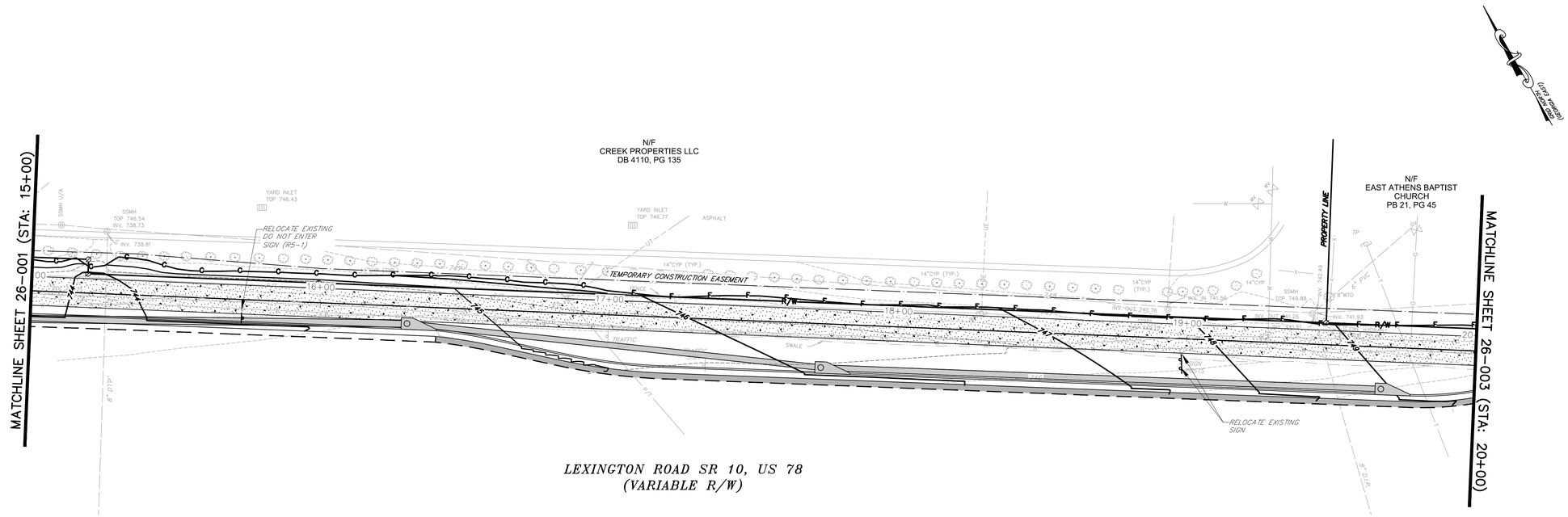
PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
26-001



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ATHENS-CLARKE COUNTY, GA

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SIGNING AND MARKING PLAN

PROJECT NAME
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SCALE IN FEET

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ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
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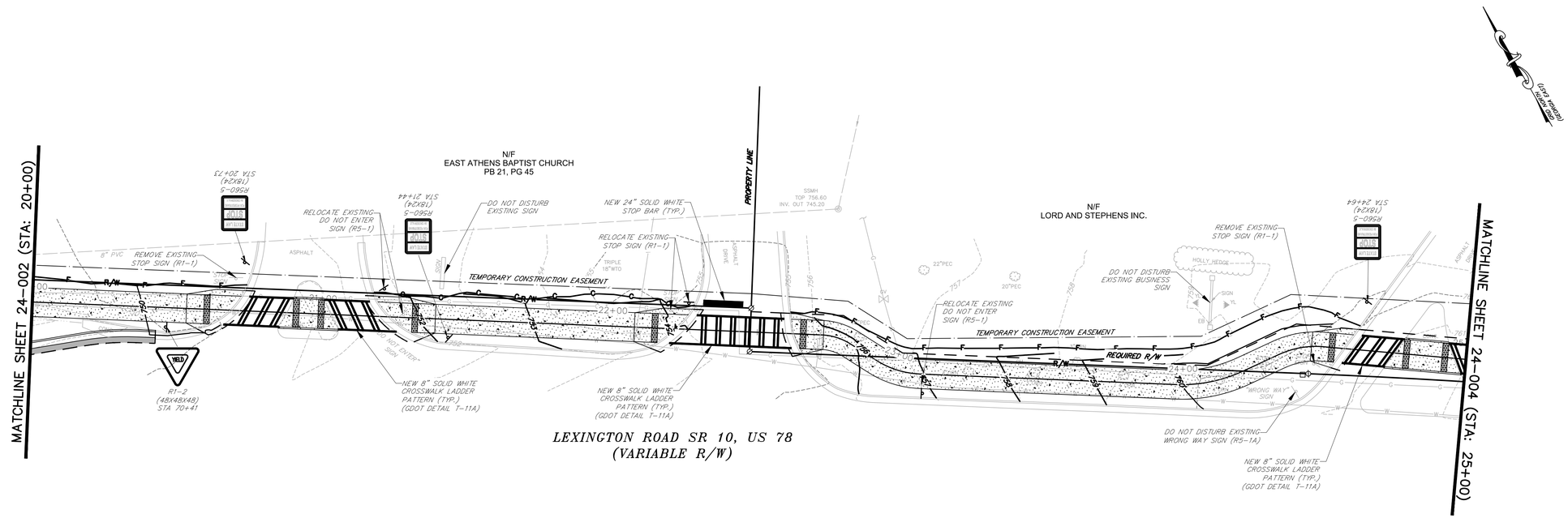

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS–CLARKE COUNTY, GA

SHEET TITLE:
SIGNING AND MARKING PLAN

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

SCALE 20 0 20 IN FEET

PROJECT INFORMATION
JOB NO: 19022041.03
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ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
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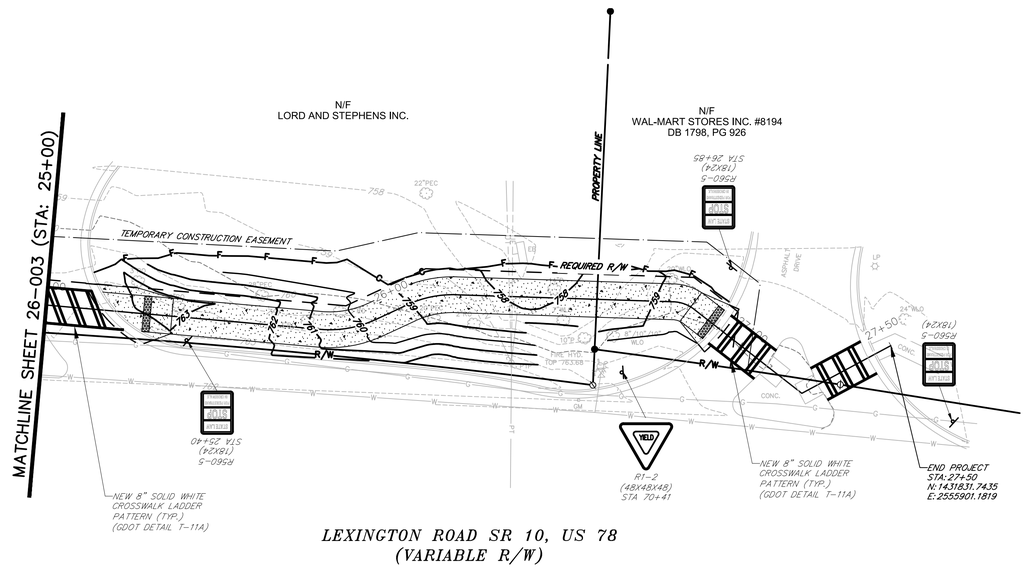

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE:
SIGNING AND MARKING PLAN

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

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ORIGINAL RELEASE DATE:
APRIL 25, 2024

Sheet:
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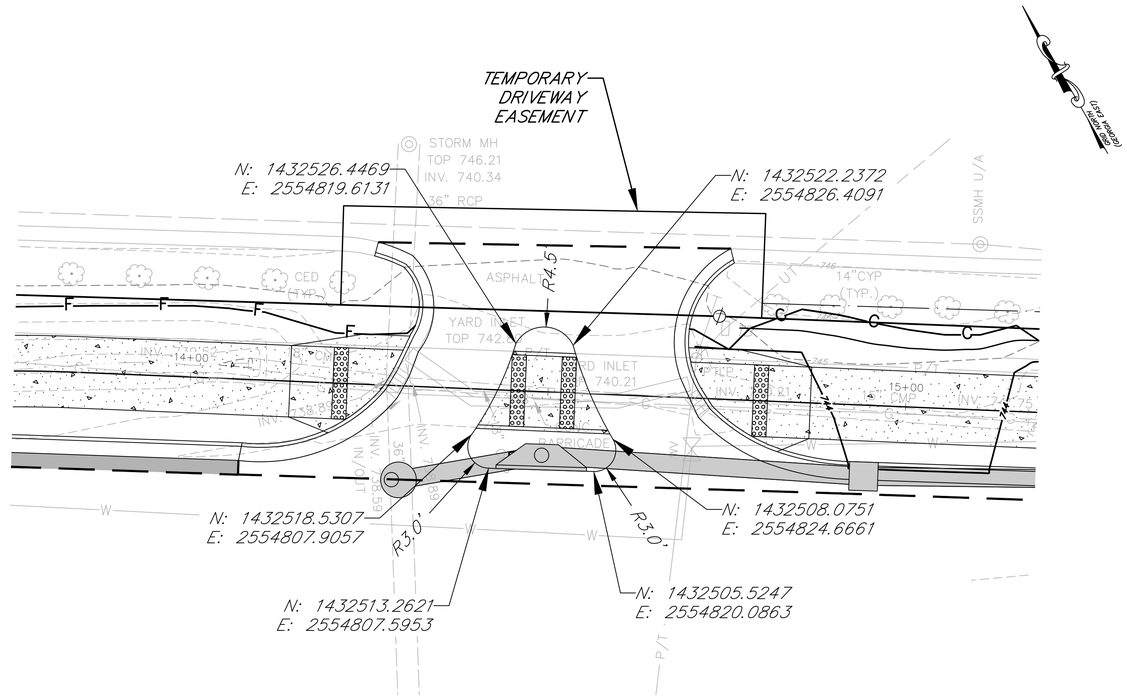

CONCRETE ISLAND DETAIL

SCALE: 1"=10'

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: CONSTRUCTION PLAN AND PROFILE

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

10 0 10
SCALE IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 10'
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 40-001

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA		50-001	58

Erosion, Sediment & Pollution Control Plan and Monitoring Program
LEXINGTON ROAD CORRIDOR SIDEWALK PROJECT

FOR
ATHENS-CLARKE COUNTY
DEPARTMENT OF LEISURE SERVICES

My signature hereto signifies that I am the person responsible for compliance with the Soil Erosion & Sedimentation Control Ordinance. I have provided a copy of my certification with regards to Athens-Clarke County requirements for 24-hour contact. I hereby acknowledge that Best Management Practices (BMP's) must be used to control soil erosion on my job site which includes, at a minimum, the following:

1. **Installation and regular maintenance of silt barriers (i.e. silt fences, hay bales, etc.) in all those areas where water exits the job site; and,**
2. **Installation and regular maintenance of a stone (1.5" - 3.5") geotextile-underlined construction exit (20' wide x 50' deep x 6" thick) to minimize the tracking of mud into the street; and,**
3. **Removal of mud from the street or adjacent property immediately following any such occurrence; and,**
4. **Maintenance and removal of mud from detention ponds and sediment basins; and,**
5. **Conduct no land disturbing activities within 25 feet of the banks of streams, lakes, wetlands, etc. (i.e. "state waters") except in locations as indicated on the approved Soil Erosion and Sediment Control Plan, as approved by variance from EPD; and,**
6. **Institute erosion control measures and practices as indicated on the approved Soil Erosion and Sediment Control Plan.**

I hereby further acknowledge that County inspection staff may refuse to make inspections, may issue stop work orders, and may issue citations to appear in Environmental Court for failure to comply with erosion control requirements.

Signature: _____ **Date Signed:** _____

Printed Name: _____ **Title:** _____

I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING 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 JUDGEMENT, 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.

_____
(PLAN PREPARER SIGNATURE AND DATE)

I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRES BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING MENTOHDS IS EXPEDTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002.

_____
(PLAN PREPARER SIGNATURE AND DATE)

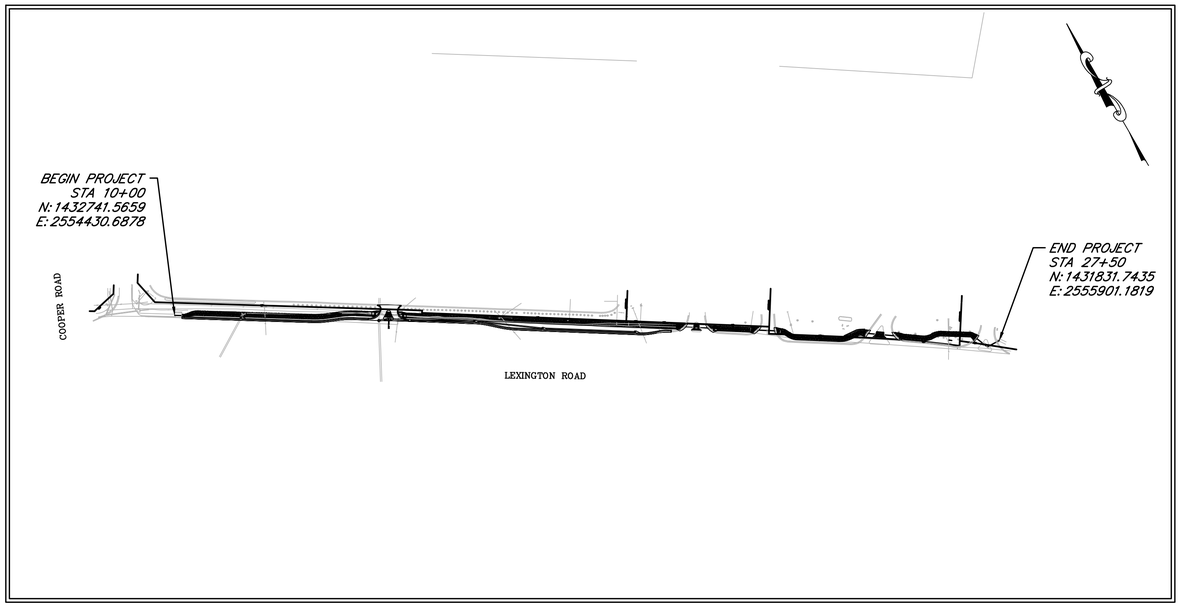
I, VICTOR A CONOVER (LEVEL II CERTIFIED DESIGN PROFESSIONAL (0000052944), HEREBY CERTIFY THAT I HAVE VISITED THE SITE PRIOR TO CREATION OF THE EROSION AND SEDIMENTATION CONTROL PLAN AND HAVE VERIFIED THE PRESENCE OR LACK THEREOF OF ALL STATE WATERS ON, OR ADJACENT TO, THE SITE.

_____
(PLAN PREPARER SIGNATURE AND DATE)

NPDES Certification:
Construction of this project will involve Land Disturbance equal to, or greater than, 1 acre, or is a part of a common development requiring an NPDES Permit, and must comply with the National Pollutant Discharge Elimination System (NPDES) Permit for construction activities (General Permit No. GAR 100002). The owner/contractor or authorized representative shall be responsible for preparation of the necessary Notice of Intent (NOI) and appropriate erosion, sediment and pollution control plan requirements that comply with all aspects of the NPDES Permit for construction activities.

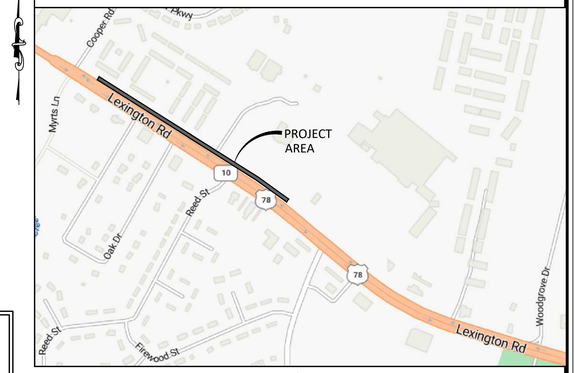
ACKNOWLEDGEMENT

_____
Owner / Contractor or Authorized Representative



N.T.S.

LOCATION MAP



N.T.S.

NPDES PROJECT DATA

1. PRIMARY PERMITEE
   CONTRACTOR: TBD
2. PROJECT DESCRIPTION
   LEXINGTON ROAD SIDEWALK
3. PROJECT DATA
   TOTAL SITE AREA = 6.50 AC
   TOTAL DISTURBED AREA = 0.98 AC
   TOTAL IMPERVIOUS AREA = 0.34 AC

Begin		
	Latitude	33.935726 N
	Longitude	83.316530 W
End		
	Latitude	33.933192 N
	Longitude	83.311707 W

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.

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 MEAN, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION AND/OR THE UNIFIED GOVERNMENT OF ATHENS-CLARKE COUNTY.

DISTURBED AREA = 0.98 AC
A NOI IS NOT REQUIRED

NOTE:
PROJECT TO BE CONSTRUCTED AS PER GEORGIA DOT STANDARD SPECIFICATIONS, 2021 EDITION AND 2016 STANDARD SUPPLEMENTAL SPECIFICATIONS, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND AS MODIFIED BY CONTRACT DOCUMENTS.

DETENTION FACILITIES AND EROSION & SEDIMENT CONTROL MEASURES SHALL BE ESTABLISHED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISH.

N.T.S.

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OWNER
24 HR. CONTACT
ATHENS-CLARKE COUNTY
DEREK DOSTER
301 COLLEGE AVE., SUITE 101
ATHENS, GA. 30603
706-613-3025

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

SUBMITTED BY VICTOR A. CONOVER

PLANS COMPLETED	APRIL 25, 2024
REVISIONS	

GENERAL EROSION & SEDIMENTATION CONTROL NOTES:

1. ALL DISTURBED AREAS SHALL HAVE EROSION CONTROL PROVIDED IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, CURRENT EDITION.
2. ALL EROSION CONTROL MEASURES SHALL COMPLY WITH THE STATE OF GEORGIA SOIL AND WATER CONSERVATION COMMISSION MANUAL FOR EROSION AND SEDIMENT CONTROL IN THE STATE OF GEORGIA EDITION.
3. FULL COORDINATION SHALL BE MAINTAINED BETWEEN THE CONTRACTOR, DESIGN PROFESSIONAL, AND THE REGULATORY INSPECTOR REGARDING PROJECT SEQUENCE.
4. THE NOTATION XXX AS SHOWN ON THE EROSION CONTROL PLAN SHEET(S) AND ON THE EROSION CONTROL DETAIL SHEET FOR THE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES, REFERS TO THE GEORGIA UNIFORM CODING SYSTEM AS DETAILED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, CURRENT EDITION.
5. GENERAL STATEMENT OF DESIGNED EROSION CONTROL SYSTEM:
   - 5.1. NO SURFACE WATER FLOWS FROM DISTURBED AREA TO BE ALLOWED INTO THE STORM SEWER SYSTEM WITHOUT FIRST BEING FILTERED BY AN EFFECTIVE SEDIMENT ENTRAPMENT DEVICE.
   - 5.2. SEDIMENT ENTRAPMENT DEVICES ARE TO BE MAINTAINED AT ALL POINTS WHERE SURFACE FLOWS FROM DISTURBED AREAS CAN LEAVE THE SITE. FLOWS ARE TO BE DIRECTED TO ENTRAPMENT DEVICES THROUGHOUT CONSTRUCTION ACTIVITIES.
6. EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES ON-SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. EROSION CONTROL MEASURES SHALL BE INSPECTED AT THE END OF EACH WORKING DAY AND AFTER EACH STORM EVENT TO ENSURE THAT ALL MEASURES ARE FUNCTIONING PROPERLY. ANY REPAIRS SHALL BE MADE BY THE CONTRACTOR.
7. IN ADDITION TO THE NOTE ABOVE, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AFTER EACH RAIN EVENT, AND REPAIRED AS NECESSARY. THESE INSPECTIONS SHALL BE DOCUMENTED WITH COPIES SENT TO THE OWNER.
8. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY LAND DISTURBANCE ON SITE. SILT BARRIER TO BE PLACED AS SHOWN AND/OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR OWNER.
9. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES, PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
10. EROSION AND SEDIMENTATION 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.
11. ANY DISTURBED AREA LEFT IDLE/EXPOSED FOR A PERIOD GREATER THAN 14-DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE/EXPOSED 30-DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
12. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
13. THE CONTRACTOR SHALL COMPLETELY REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (I.E. SILT FENCE, SEDIMENT TRAPS, ETC...) AND TREE PROTECTION FENCING ONCE PERMANENT VEGETATION IS ESTABLISHED.
14. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND FOR CLEARING ANY DEBRIS AND SEDIMENT THAT IS CAUSED BY CONSTRUCTION ACTIVITIES.
15. ALL DISTURBED AREAS SHALL BEST BE STABILIZED AS REQUIRED BY THESE PLANS BY THE SITEWORK CONTRACTOR AS SOON AS CONSTRUCTION PHASES PERMIT.
16. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24-HOURS OF SEEDING.
17. DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS A TEMPORARY COVER (Ds1). ON SLOPES 4:1 OR STEEPER, MULCH WILL BE ANCHORED.
18. SILT FENCE SHALL MEET THE MINIMUM REQUIREMENTS OF SECTION 171 OF THE STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, CURRENT EDITION, AND/OR GEORGIA EPD "GREEN BOOK" AS AMENDED.
19. SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME FOR RETROFITS AND TEMPORARY SEDIMENT BASINS, AND THE 1/2 FULL VOLUME FOR ALL OTHER SEDIMENT STORAGE STRUCTURES (I.E. CHECK DAMS, SILT FENCE, ETC...).
20. ALL SEDIMENT STORAGE DEVICES ARE TO BE CONSTRUCTED COMPLETELY AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
21. CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING AND BLANKETS.
22. ALL PERMANENT GRADED EARTH SLOPES, EXCAVATION OR EMBANKMENT (CUT AND FILL), SHALL BE GRADED TO A MAXIMUM FINISHED SLOPE OF TWO (2) FEET HORIZONTAL TO ONE (1) FOOT VERTICAL (MAXIMUM SLOPE 2H:1V).
23. ALL DISTURBED AREAS LEFT MULCHED AFTER 30-DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
24. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS.
25. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS, I.E., MANDATORY STOP WORK ORDER.
26. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM A VEHICLE OR FROM THE SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

Dust Control on Disturbed Areas — Du

DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

PURPOSE

- To prevent surface and air movement of dust from exposed soil surfaces.
- To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. Temporary Methods

Mulches. See standard **Ds1 - Disturbed Area Stabilization (With Mulching Only)**. Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification **Tac - Tackifiers**. Resins should be used according to manufacturer's recommendations.

Vegetative Cover. See specification **Ds2 - Disturbed Area Stabilization (With Temporary Seeding)**.

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification **Tac - Tackifiers**.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. Permanent Methods

Permanent Vegetation. See specification **Ds3 -Disturbed Area Stabilization (With Permanent Vegetation)**. Existing trees and large shrubs may afford valuable protection if left in place.

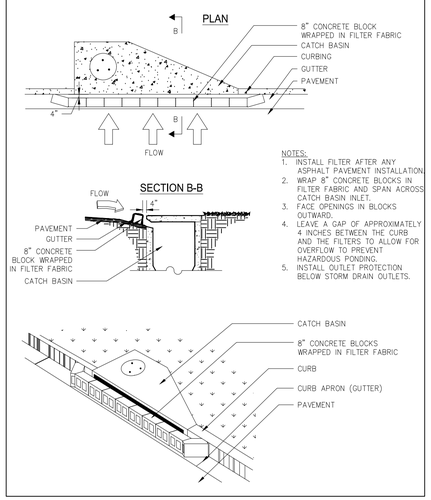
Topsoiling. This entails covering the surface with less erosive soil material. See specification **Tp - Topsoiling**.

Stone. Cover surface with crushed stone or coarse gravel. See specification **Cr-Construction Road Stabilization**.

GSWCC 2016 Edition 6-55

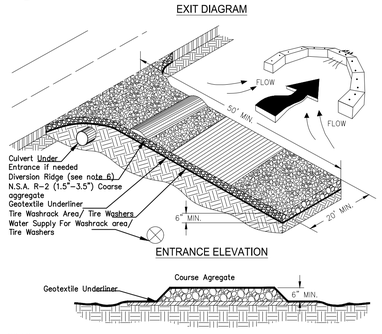
Du — DUST CONTROL ON DISTURBED AREAS
GEORGIA STATE SOIL & WATER CONSERVATION COMMISSION (FIFTH EDITION)

Sd2–P CURB INLET FILTER "PIGS IN BLANKET"



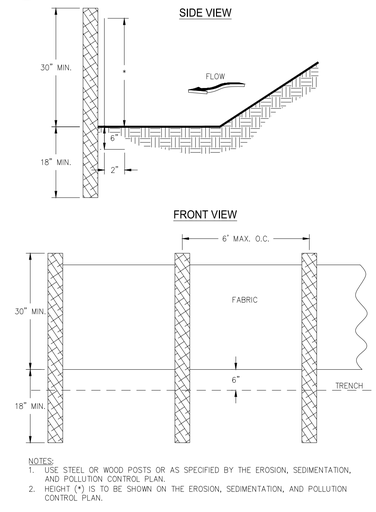
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.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

Co CRUSHED STONE CONSTRUCTION EXIT



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

Sd1–NS SILT FENCE - TYPE NON-SENSITIVE



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

NOTE: GDOT OPL 36 (CPOP) MAY BE USED IN LIEU OF WIRE FENCE AND METAL STAKES; CONTRACTOR RESPONSIBLE FOR PERFORMANCE OF CPOP FENCE.

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REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONTINI

LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

SHEET TITLE: EROSION CONTROL NOTES & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

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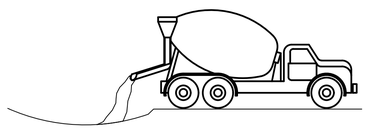


CONCRETE WASHDOWN NOTES

DESIGNATE WASHDOWN AREA AND EXCAVATE PIT LARGE ENOUGH TO CONTAIN WASHDOWN WATER. THIS MUST BE AWAY FROM STORM DRAINS AND WATERWAYS.

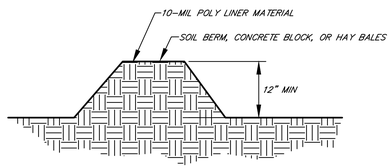
ADVISE CONCRETE TRUCK DRIVERS OF THE DESIGNATED WASH-OUT AREAS BEFORE THEY START THE JOB.

WASHDOWN CHUTE, HOPPER, AND REAR OF VEHICLE ONLY. DO NOT WASH OUT DRUM

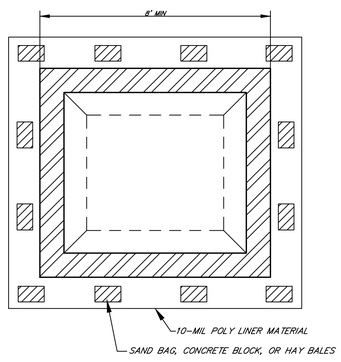
ENSURE THAT ALL WASHDOWN WATER STAYS IN PIT.

DISPOSE OF SETTLED, HARDENED CONCRETE IN GARBAGE WITH OTHER CONSTRUCTION DEBRIS.

NEVER DISPOSE OF WASHDOWN WATER IN STREETS, STORM DRAINS, OR STREAMS.



BERM CROSS SECTION



PLAN VIEW

CONCRETE WASHDOWN PIT

Plants, Planting Rates, And Planting Dates For Temporary Cover Or Companion Crops

Species	Rates per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region		
			M-L	P	C
Barley	3 bu.	3.3 lb.	9/1-10/31	9/15-11/15	10/1-12/31
Oats	4 bu.	2.9 lbs.	9/15-11/15	9/15-11/15	9/15-11/15
Triticale	3 bu.	3.3 lbs.	---	---	10/15-12/15
Rye grass, Annual	40 lbs.	0.9 lb.	8/15-11/15	9/1-12/15	9/15-12/31
Rye Grain (alone)	3.0 bu.	3.9 lb.	8/15-10/31	9/15-11/30	10/1-12-31
Rye Grain (in mixtures)	0.5 bu.	0.6 lb.	8/15-10/31	9/15-11/30	10/1-12-31
Lespedeza, Annual	40 lbs.	0.9 lb.	3/1-3/31	3/1-3/31	2/1-2/28
Weeping Lovegrass	4 lbs.	0.1 lb.	4/1-5/31	4/1-5/31	3/1-5/31
Sudan grass	60 lbs.	1.4 lb.	4/1-8/31	4/1-8/31	3/1-7/31
Millet, Browntop Millet, Pearl	40 lbs. 50 lbs.	0.9 lbs. 1.1 lbs.	4/15-6/15 5/15-7/15	4/15-6/30 5/1-7/31	4/15-6/30 4/15-8/15
Wheat	3 bu.	4.1 lbs.	9/15-11/30	10/1-12/15	10/15-12/31

1. Temporary cover crops are very competitive and will crown out perennials if seeded too heavily.
2. Reduce seeding rates by 50% when drilled.
3. Unusual site conditions may require heavier seeding rates.
4. Seeding rates may need to be altered to fit temperature variations and local conditions.

Fertilizer Requirements for Temporary Vegetation

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

Ds2 TEMPORARY GRASSING

M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs
P represents the Southern Piedmont Region MLRA
C represents the Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs

Plants, Planting Rates, And Planting Dates For Permanent Cover

Species	Rate per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region			Remarks
			M-L	P	C	
Bermuda, Common (Hulled seed) Alone With Perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	---	4/1-5/31	3/15-5/31	Quick cover; low growing; sod forming; needs full sun.
Bermuda, Common (Unhulled seed) With temporary cover With other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	---	10/1-2/28	11/1-1/31	Plant with Winter annuals.
Bermuda Sprigs With temporary cover	40cu.ft. Sod plugs 3" x 3"	0.9cu.ft.	4/15-6/15	4/1-6/15	4/1-5/31	1 cu. ft. = 650 sprigs; 1 bu. = 1.25 cu. Ft. or 800 sprigs.

Fertilizer Requirements for Permanent Vegetation

Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	N 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
Cool season grasses & legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 -- --
Ground covers	First Second Maintenance	10-10-10 10-10-10 10-10-10	1300 1300 1100	-- -- --
Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	--
Shrub Lespedeza	First Maintenance	0-10-10 0-10-10	700 700	-- --
Temporary cover crops seeded alone	First	10-10-10	500	30
Warm season grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30
Warm season grasses & legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	50

Ds3 PERMANENT GRASSING

*** APPLY AGRICULTURAL LIME AS PRESCRIBED BY SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE**

Material	Depth
Dry Straw Or Hay	2" To 4"
Wood Waste (sawdust, Bark, Chips)	2" To 3"
Cutback Asphalt (slow Curing)	1200 Gal./acre (1/4 Gal./sq.yd.)
Black Polyethylene Film	Completely Cover Area; Hold In Place With Soil On Outer Edge

Ds1 MULCHING

NOTES:

1. ALL SEEDED AREAS WILL BE MULCHED WITH HAY OR STRAW AT A RATE OF 2-2 1/2 TONS PER ACRE WITHIN 24 HRS. AFTER SEEDING. USE OF A TACKIFIER IS REQUIRED ON ALL SLOPES EXCEEDING 3:1.
2. GRASSING WILL BE ACCEPTED WHEN A 95% COVER BY PERMANENT GRASSING IS OBTAINED AND WEEDS ARE NOT DOMINANT.
3. GRASSING OF DISTURBED AREAS WILL COMMENCE AT COMPLETION OF EACH PHASE OF CONSTRUCTION OR IN THE SEQUENCE AS INDICATED. IN ANY CASE, GRASSING OF ANY DISTURBED AREA WILL BEGIN AT EARLIEST POSSIBLE DATE.
4. IRRIGATION WILL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.
5. TOPDRESSING WILL BE APPLIED ON ALL TEMPORARY & PERMANENT SPECIES PLANTED ALONE OR IN MIXTURES WITH OTHER SPECIES.
6. PERMANENT GRASSING SHALL BE IRRIGATED AND MAINTAINED. BERMUDA GRASS MAY BE MOWED AS DESIRED MAINTAINING AT LEAST 4 TO 6 INCHES OF TOP GROWTH.

GRASSING, FERTILIZATION & MULCH

NOT TO SCALE

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ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32881 PROFESSIONAL ENGINEER VICTOR A. CONOVER

LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

SHEET TITLE: EROSION CONTROL NOTES & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

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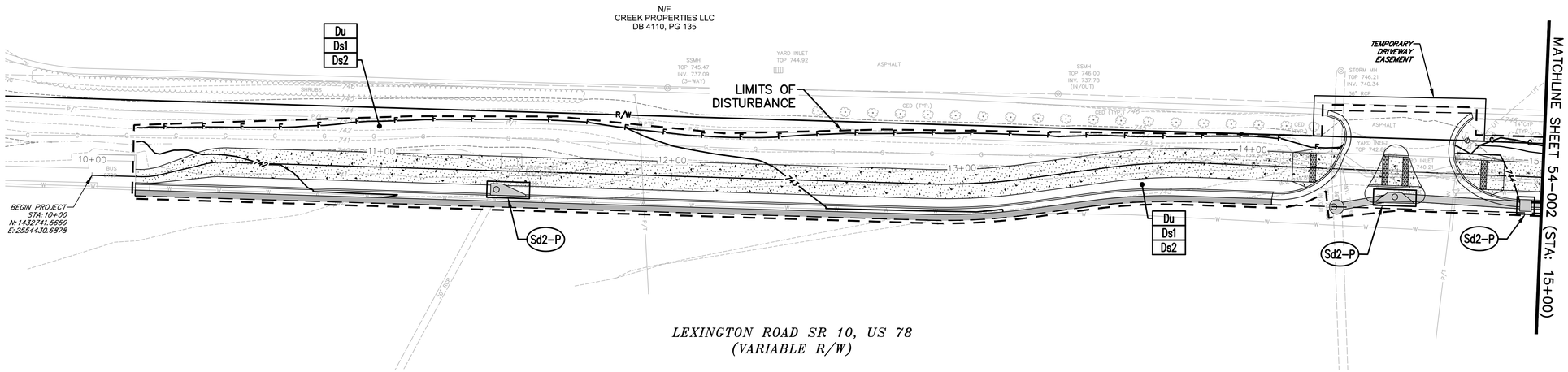

LEXINGTON ROAD SR 10, US 78
(VARIABLE R/W)

DISTURBED AREA = 0.98 AC

"NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25- OR 50-FOOT UNDISTURBED STREAM BUFFERS, AS MEASURED FROM THE POINT OF WRESTED VEGETATION, WITHOUT FIRST OBTAINING THE NECESSARY VARIANCES AND PERMITS."

DETENTION FACILITIES AND EROSION & SEDIMENT CONTROL MEASURES SHALL BE ESTABLISHED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. ALL EROSION & SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

NOTE:
1. *THE ESCAPE OF SEDIMENT FORM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.*
2. *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.*
3. *ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.*
4. *CONTRACTOR TO FIELD LOCATE CONSTRUCTION OUTLET AS REQUIRED.*

EROSION CONTROL LEGEND

Ds1	MULCH
Ds2	TEMPORARY GRASSING
Ds3	PERMANENT GRASSING
Ds4	SOD
Du	DUST CONTROL ON DISTURBED AREA
Ss	SLOPE STABILIZATION
Cd	CHECK DAM
Rd	ROCK FILTER DAM
Sd1-NS	SILT FENCE TYPE A
Sd1-S	SILT FENCE TYPE C
Sd2-P	CURB INLET SEDIMENT TRAP
St	RIP-RAP
Co	CONSTRUCTION OUTLET

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: EROSION CONTROL PLAN

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

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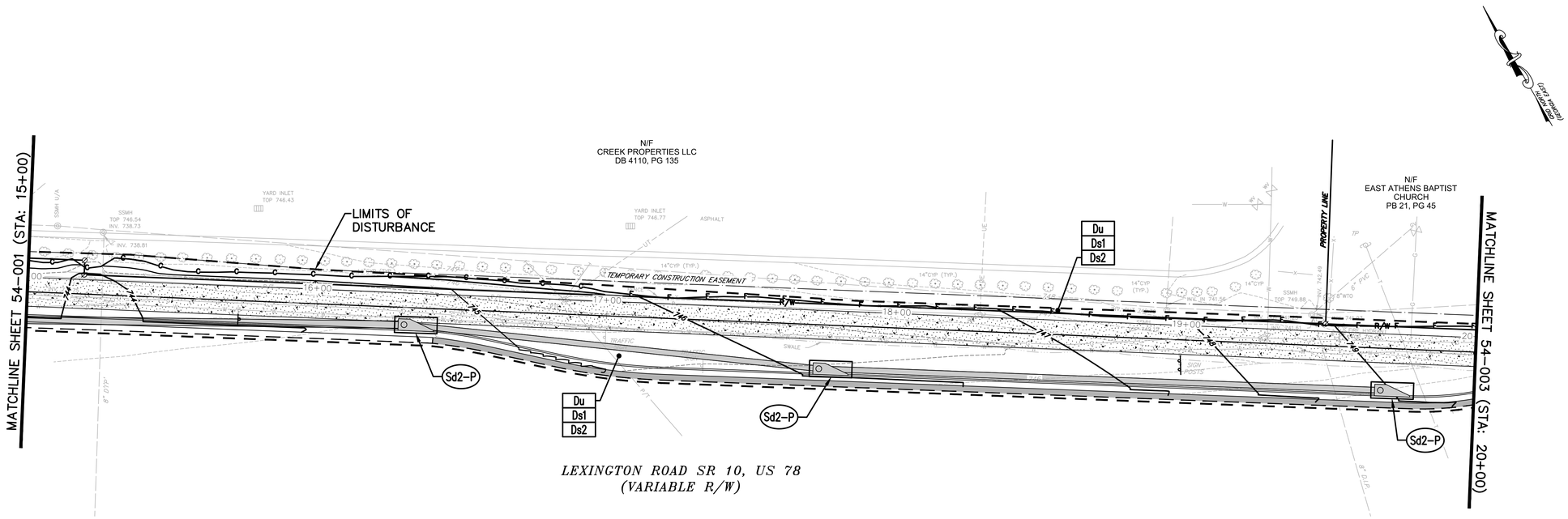

LEXINGTON ROAD SR 10, US 78
(VARIABLE R/W)

EROSION CONTROL LEGEND

Ds1	MULCH
Ds2	TEMPORARY GRASSING
Ds3	PERMANENT GRASSING
Ds4	SOD
Du	DUST CONTROL ON DISTURBED AREA
Ss	SLOPE STABILIZATION
Cd	CHECK DAM
Rd	ROCK FILTER DAM
Sd1-NS	SILT FENCE TYPE A
Sd1-S	SILT FENCE TYPE C
Sd2-P	CURB INLET SEDIMENT TRAP
St	RIP-RAP
Co	CONSTRUCTION OUTLET

DISTURBED AREA = 0.98 AC

"NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25- OR 50-FOOT UNDISTURBED STREAM BUFFERS, AS MEASURED FROM THE POINT OF WRESTED VEGETATION, WITHOUT FIRST OBTAINING THE NECESSARY VARIANCES AND PERMITS."

DETENTION FACILITIES AND EROSION & SEDIMENT CONTROL MEASURES SHALL BE ESTABLISHED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. ALL EROSION & SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

NOTE:
1. *THE ESCAPE OF SEDIMENT FORM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.*
2. *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.*
3. *ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.*
4. *CONTRACTOR TO FIELD LOCATE CONSTRUCTION OUTLET AS REQUIRED.*

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: EROSION CONTROL PLAN

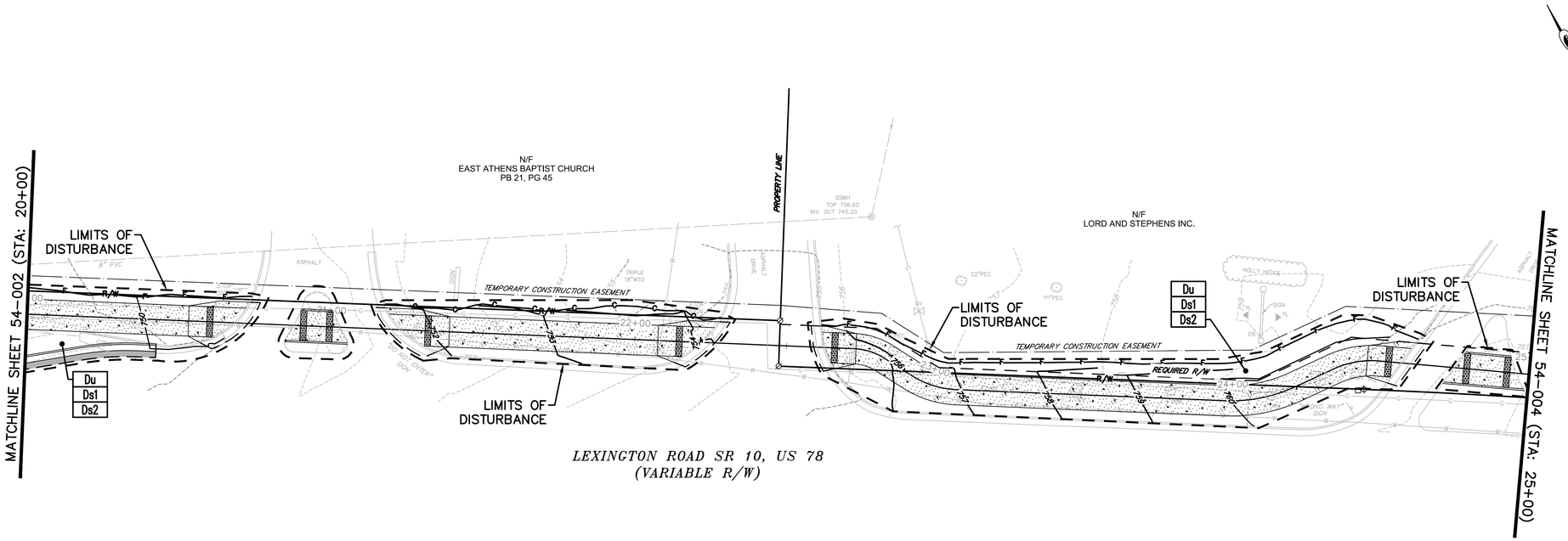
PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 54-002



DISTURBED AREA = 0.98 AC

"NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25- OR 50-FOOT UNDISTURBED STREAM BUFFERS, AS MEASURED FROM THE POINT OF WRESTED VEGETATION, WITHOUT FIRST OBTAINING THE NECESSARY VARIANCES AND PERMITS."

DETENTION FACILITIES AND EROSION & SEDIMENT CONTROL MEASURES SHALL BE ESTABLISHED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. ALL EROSION & SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

NOTE:
1. THE ESCAPE OF SEDIMENT FORM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
2. 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.
3. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
4. CONTRACTOR TO FIELD LOCATE CONSTRUCTION OUTLET AS REQUIRED.

EROSION CONTROL LEGEND

Ds1	MULCH
Ds2	TEMPORARY GRASSING
Ds3	PERMANENT GRASSING
Ds4	SOD
Du	DUST CONTROL ON DISTURBED AREA
Ss	SLOPE STABILIZATION
Cd	CHECK DAM
Rd	ROCK FILTER DAM
Sd1-NS	SILT FENCE TYPE A
Sd1-S	SILT FENCE TYPE C
Sd2-P	CURB INLET SEDIMENT TRAP
St	RIP-RAP
Co	CONSTRUCTION OUTLET

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: EROSION CONTROL PLAN

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION
JOB NO: 19022041.03
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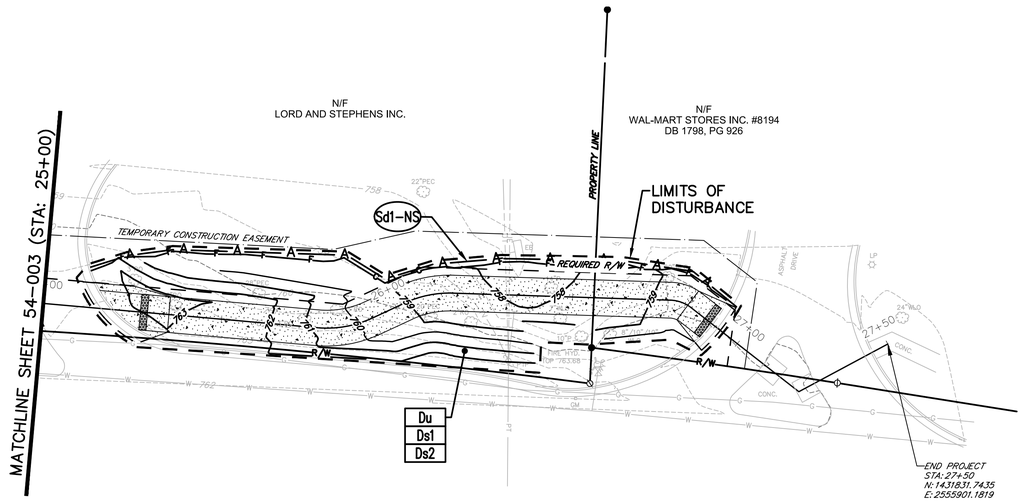
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 54-003



LEXINGTON ROAD SR 10, US 78
(VARIABLE R/W)

DISTURBED AREA = 0.98 AC

"NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25- OR 50-FOOT UNDISTURBED STREAM BUFFERS, AS MEASURED FROM THE POINT OF WRESTED VEGETATION, WITHOUT FIRST OBTAINING THE NECESSARY VARIANCES AND PERMITS."

DETENTION FACILITIES AND EROSION & SEDIMENT CONTROL MEASURES SHALL BE ESTABLISHED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. ALL EROSION & SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

NOTE:
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2. 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.
3. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
4. CONTRACTOR TO FIELD LOCATE CONSTRUCTION OUTLET AS REQUIRED.

EROSION CONTROL LEGEND

Ds1	MULCH
Ds2	TEMPORARY GRASSING
Ds3	PERMANENT GRASSING
Ds4	SOD
Du	DUST CONTROL ON DISTURBED AREA
Ss	SLOPE STABILIZATION
Cd	CHECK DAM
Rd	ROCK FILTER DAM
Sd1-NS	SILT FENCE TYPE A
Sd1-S	SILT FENCE TYPE C
Sd2-P	CURB INLET SEDIMENT TRAP
St	RIP-RAP
Co	CONSTRUCTION OUTLET

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: EROSION CONTROL PLAN

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION
JOB NO: 19022041.03
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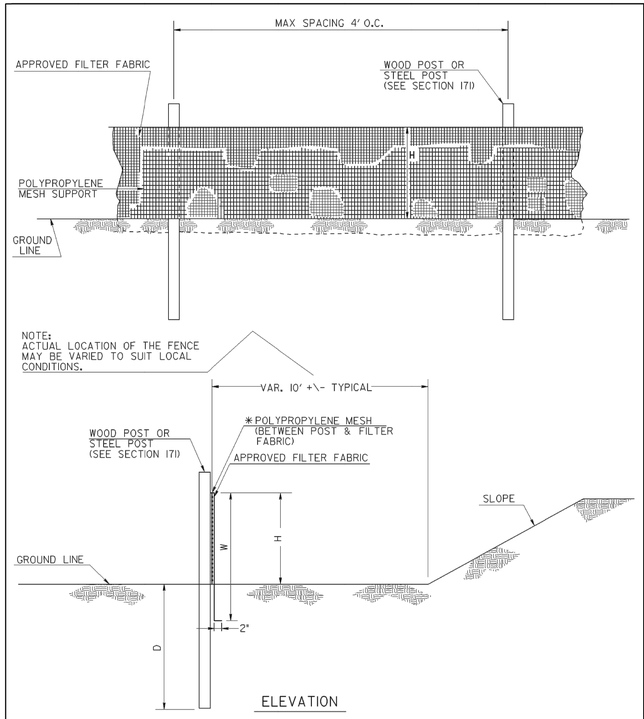
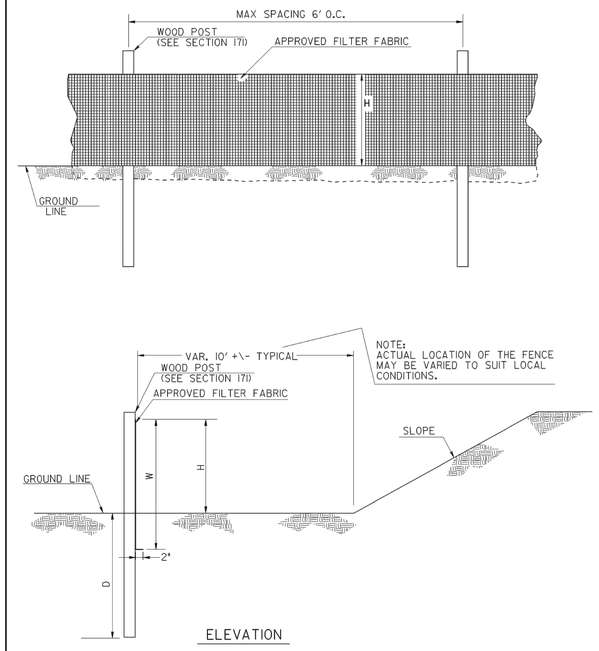
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: APRIL 25, 2024

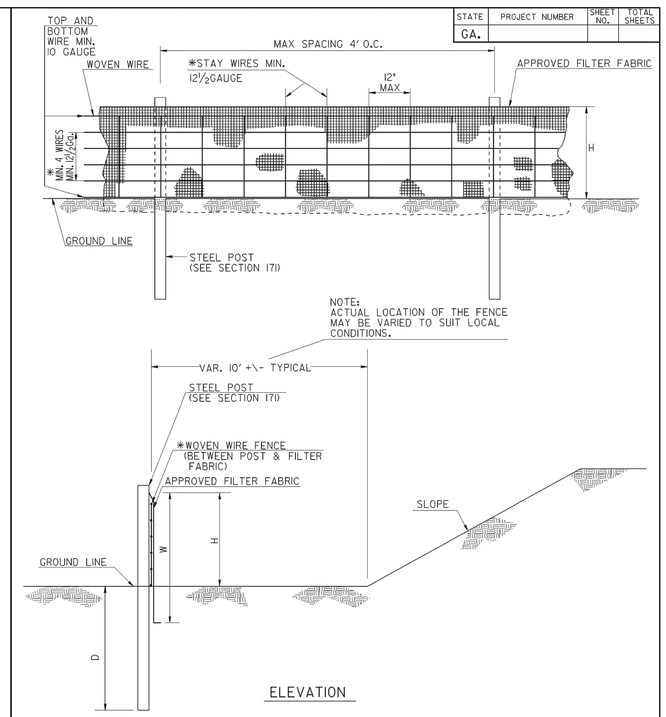
Sheet: 54-004



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

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

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

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST 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.

REVISION	DATE	BY

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)

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

SHEET TITLE: GDOT EROSION CONTROL STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 56-001

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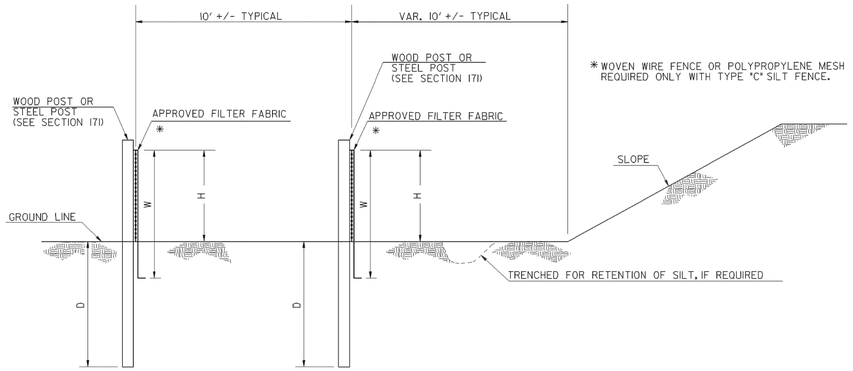
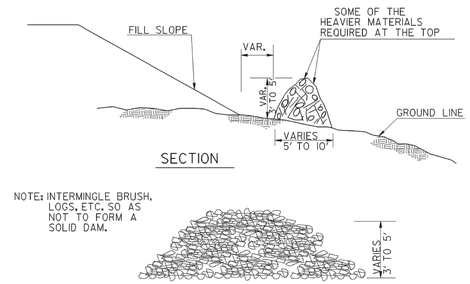


ELEVATION

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

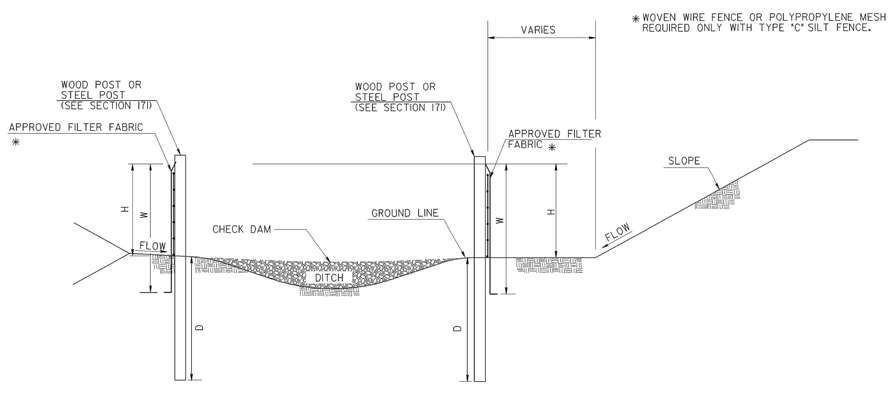


SECTION

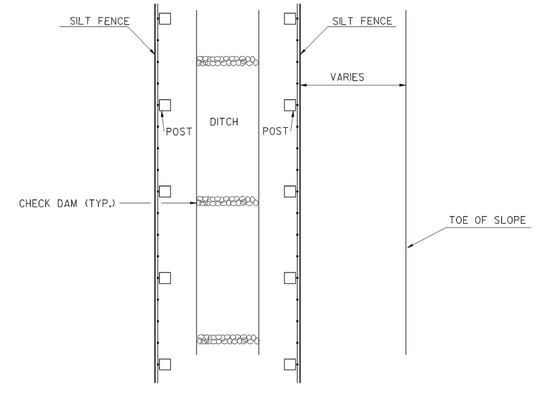
FRONT VIEW

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

BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)



ELEVATION



PLAN

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

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

DATE | DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

REVISION | CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
BERM DITCH, INSTALLATION, BRUSH BARRIER

NO SCALE — REV. AND REDRAWN JAN. 2011

BY | NUMBER D-24B (SHEET 2 OF 4)

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

SHEET TITLE: GDOT EROSION CONTROL STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO:	19022041.03
DRAWN BY:	KC
CHECKED BY:	VC
DRAWING FILE:	19022041.03E.DWG
DRAWING SCALE:	N.T.S.
ORIGINAL RELEASE DATE:	APRIL 25, 2024

Sheet: 56-002

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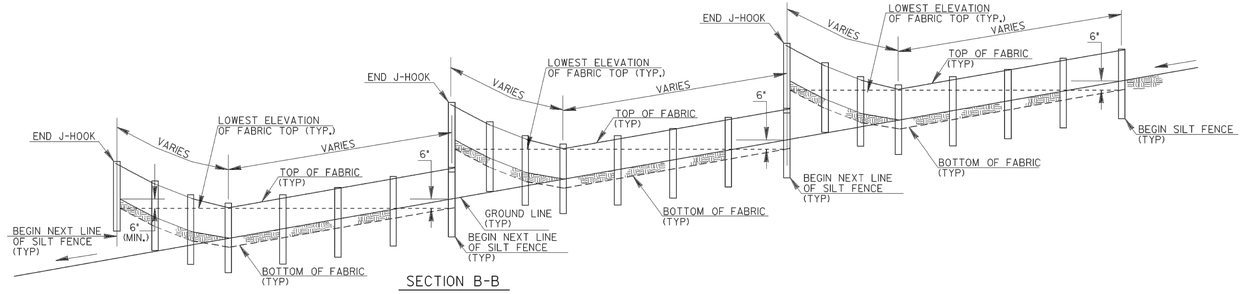
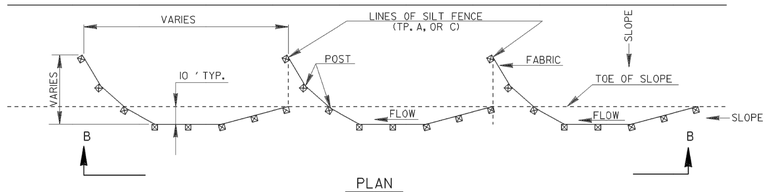
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

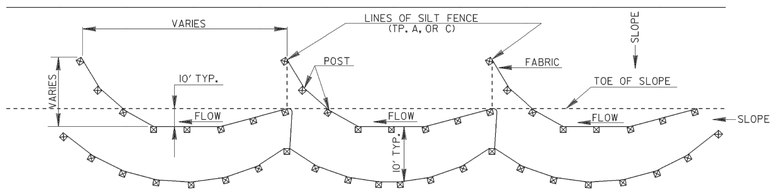


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



PLAN

DOUBLE ROW SILT FENCE

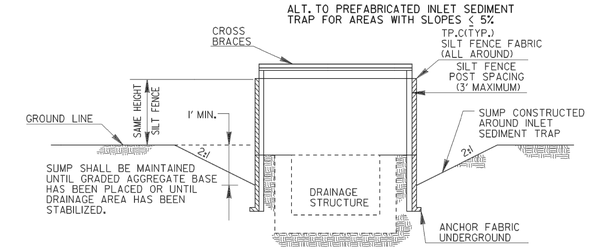
TYPICAL J HOOK SPACING		
SLOPE PERCENT	TYPE OF SILT FENCE	MINIMUM SPACING (FEET)
1% TO 2%	TYPE A	100' ±
2% TO 3%	TYPE A	50' ±
3% TO 4%	TYPE C	50' ±
4% TO 5%	TYPE C	25' ±

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.

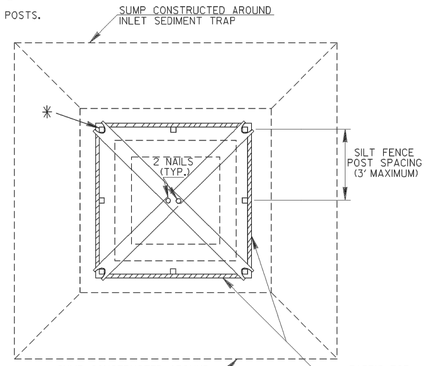
TYPICAL LOCATION AROUND DROP INLETS

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



ELEVATION

✳ 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.

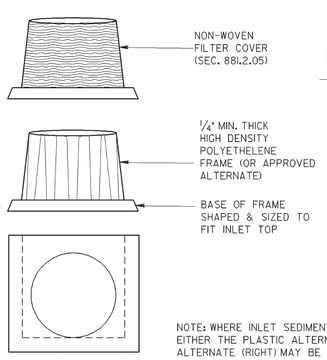
NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

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.

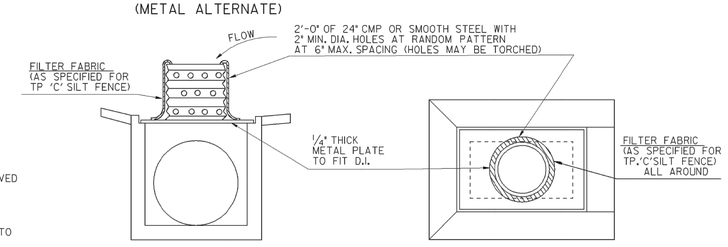
NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.

(PLASTIC ALTERNATE)



SIDE VIEW

(METAL ALTERNATE)



SIDE VIEW

TOP VIEW

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.

INLET SEDIMENT TRAP - FOR DROP INLETS

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

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REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONVERS

LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

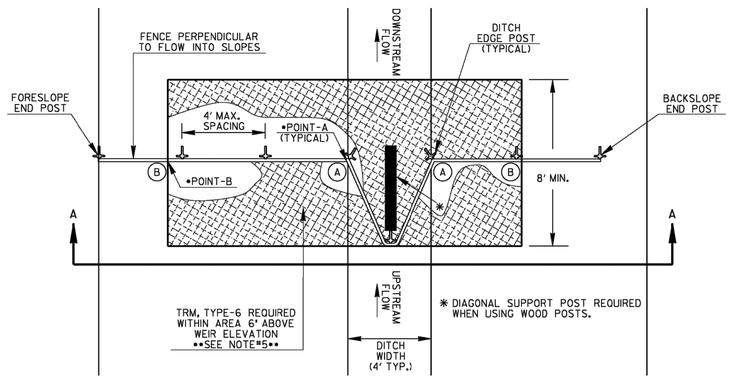
SHEET TITLE: GDOT EROSION CONTROL STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

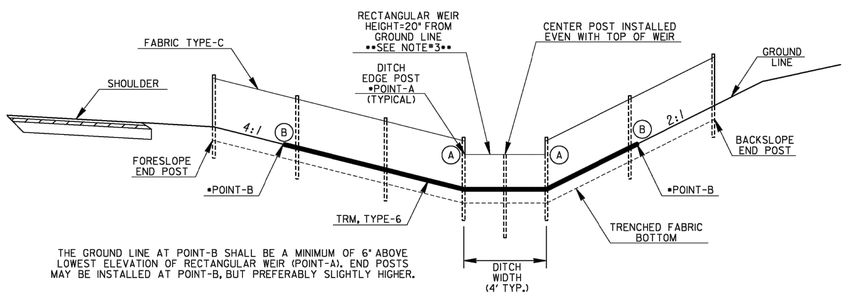
Sheet: 56-003

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



PLAN VIEW

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



THE GROUND LINE AT POINT-B SHALL BE A MINIMUM OF 6" ABOVE LOWEST ELEVATION OF RECTANGULAR WEIR (POINT-A). END POSTS MAY BE INSTALLED AT POINT-B, BUT PREFERABLY SLIGHTLY HIGHER.

SECTION A-A

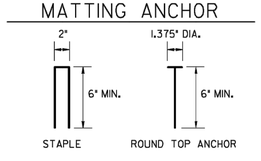
NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4-FT FLAT BOTTOM DITCH. ACTUAL FABRIC CHECK DAMS SHALL BE INSTALLED SIMILARLY ACCORDING TO ROADWAY CROSS-SECTIONS.

NOTES:

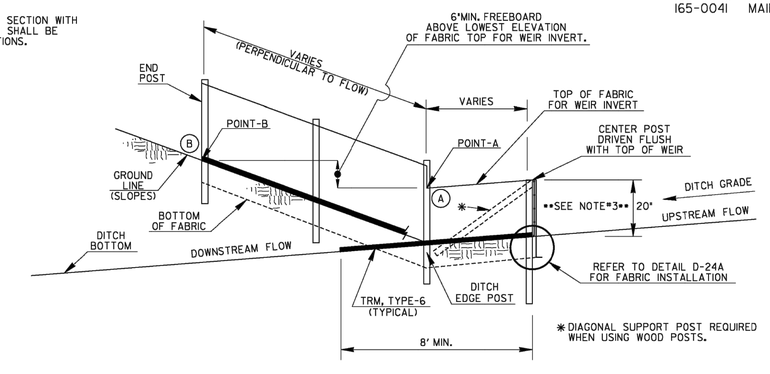
1. FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.
2. FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
3. FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH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

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

TURF REINFORCEMENT MATTING ANCHOR



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



REVISION				BY

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS
TEMPORARY SILT FENCE
FABRIC CHECK DAM

NO SCALE — REV. AND REDRAWN, JULY 2015

NUMBER D-24D (SHEET 4 OF 4)

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32661 PROFESSIONAL ENGINEER VICTOR A. CONOVER
LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

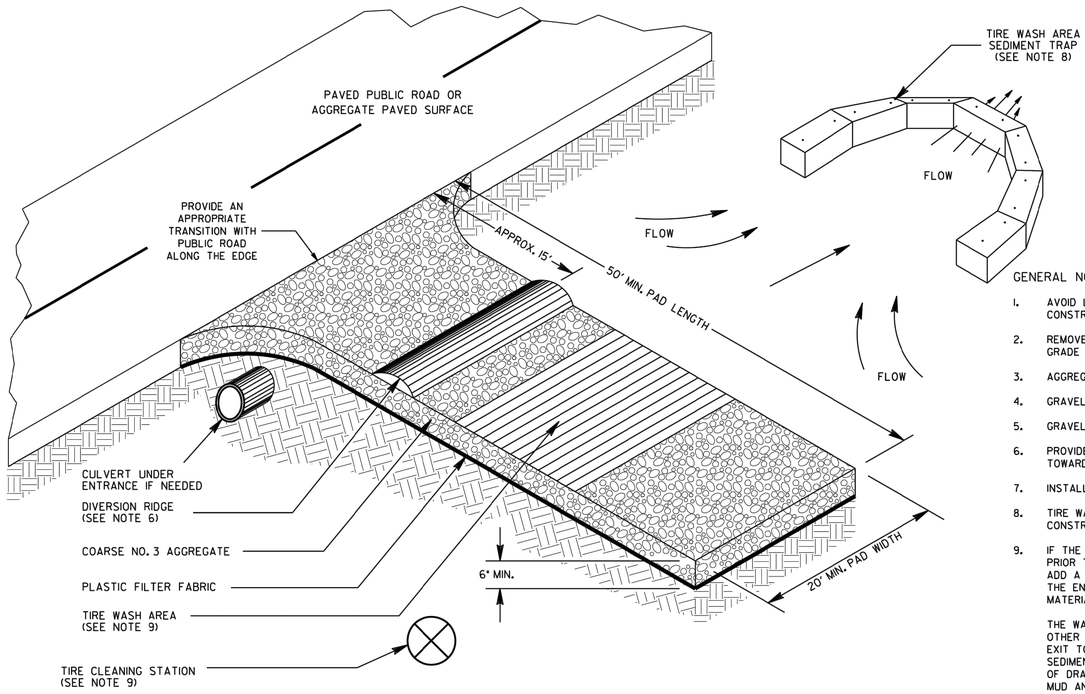
SHEET TITLE: GDOT EROSION CONTROL STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

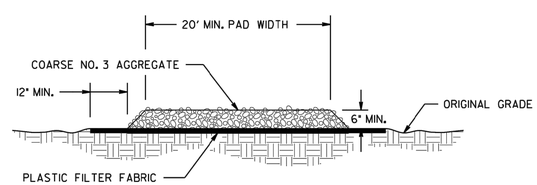
PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 56-004

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. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES: WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.

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

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

PAY ITEM:

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

REV. NO.	DATE	DESCRIPTION
HAC	11-04-20	REV GEN NOTES + B-II
DLE	04-18-18	REV. PAY ITEM DESCS/REFS
DLE	04-22-16	REV. TIRE WASH & NOTES
TWC	01-19-11	REV. CORRECT 2006 MANUAL
BY	DATE	REVISION — REV. CORRECT EXIT LABELS

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

CONSTRUCTION EXIT

NO SCALE — FEBRUARY 2001

DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER D-41

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REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

SHEET TITLE: GDOT EROSION CONTROL STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

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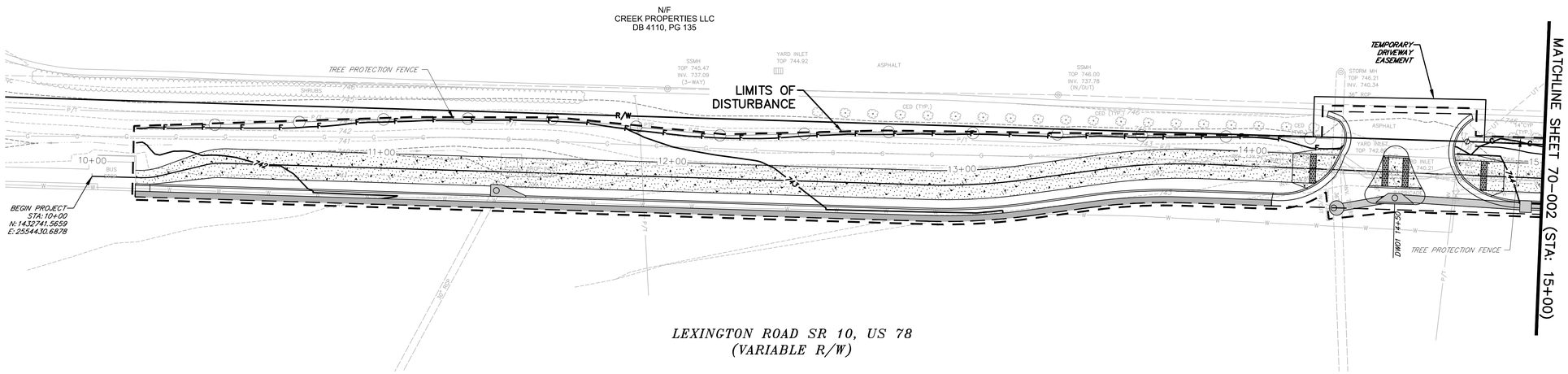

LEXINGTON ROAD SR 10, US 78
(VARIABLE R/W)

NOTE:

1. TREE PROTECTON FENCING SHALL BE INSTALLED BEFORE CONSTRUCTION ACTIVITIES BEGIN (SUCH AS TRENCHING FOR EROSION CONTROL AND TREE FELLING OPERATIONS). FOR THE INSTALLATION OF EROSION CONTROL FENCING, THE CONTRACTOR SHALL FLAG THE LIMITS OF DISTURBANCE AND THEN CONDUCT AN ON SITE REVIEW WITH THE PROJECT OWNER/MANAGER AND THE ATHENS CLARKE COUNTY LANDSCAPE MANAGEMENT ADMINISTRATOR TO DETERMINE THE LOCATIONS OF BOTH EROSION CONTROL FENCING AND TREE PROTECTION FENCING. IN COORDINATION WITH SPLOST, THE ATHENS-CLARKE COUNTY LANDSCAPE MANAGEMENT ADMINISTRATOR SHALL HAVE THE AUTHORITY TO MAKE ADJUSTMENTS TO THE TREE PROTECTION FENCING FOR THE DURATION OF THE PRE-CONSTRUCTION AND CONSTRUCTION PHASES OF THE PROJECT.
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3. TREE PROTECTION SIGNS SHALL BE PLACED IN CLEARLY VISIBLE LOCATIONS IN TWO PLACES AROUND ANY SINGLE TREE AND EVERY 30 FEET ALONG THE FENCING ALONGSIDE TREED AREAS. TREE PROTECTION SIGNS WILL BE A MINIMUM OF 11 BY 17 INCHES AND MADE OF A WEATHERPROOF STURDY MATERIAL, SUCH AS PLASTIC OR LAMINATED PAPER. TREE PROTECTION SIGNS WILL BE KEPT IN GOOD CONDITION AND SHALL BE REPLACED IF THE TEXT BECOMES UNREADABLE. TREE PROTECTION SIGNS SHALL INCLUDE THE SPLOST AND ATHENS-CLARKE COUNTY LOGOS AND SHALL STATE "TREE PROTECTION ZONE" IN A VERY LARGE, BOLD FONT AND SHALL READ:.
   - 3.1. NO ENTRY, GRADE CHANGE, STORAGE, OR TEMPORARY STORAGE OF ANY MATERIALS OR EQUIPMENT, WASHING OF EQUIPMENT, NOR THE DUMPING OR PILING OF ANY MATERIALS OR DEBRIS PERMITTED IN THE TREE PROTECTION ZONE.
   - 3.2. THE TREE PROTECTION BARRIER MUST NOT BE ALTERED, MOVED, OR REMOVED WITHOUT THE WRITTEN PERMISSION OF SPLOST IN COORDINATION OF THE ATHENS-CLARKE COUNTY COMMUNITY FORESTER (MATEO.FENNELL@ACCGOV.COM)

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REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

LEVEL II CERTIFIED DESIGN PROFESSIONAL 0000052944
EXPIRES 05-01-2026

SHEET TITLE: TREE MANAGEMENT PLAN

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
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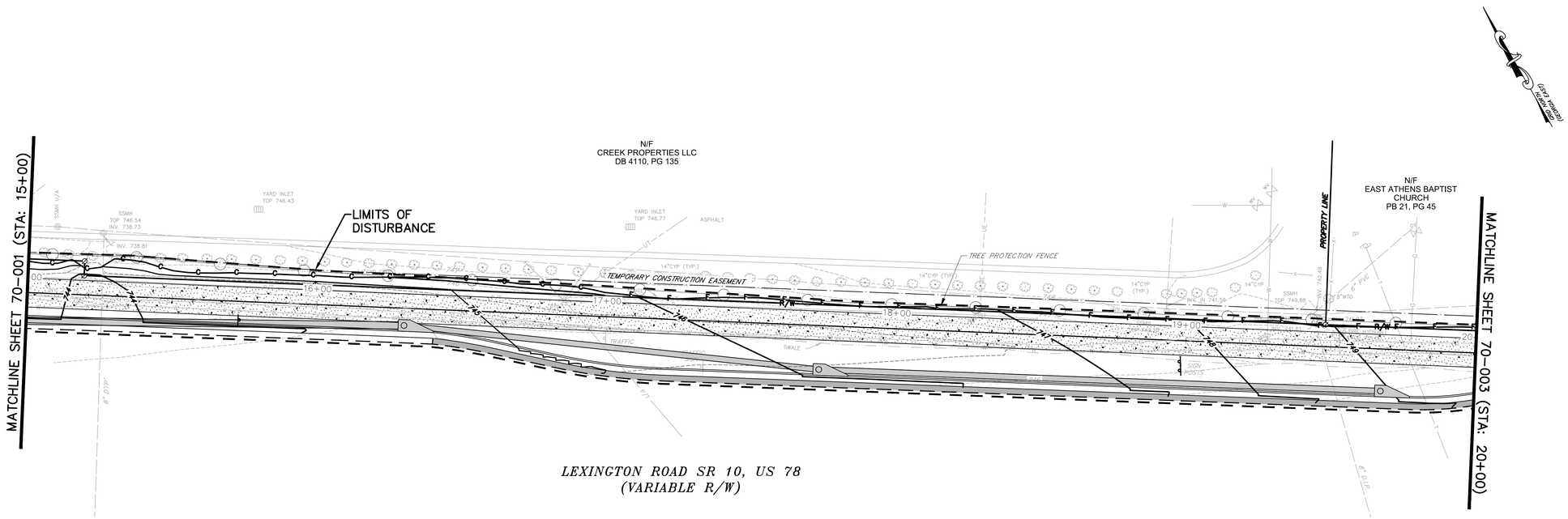

LEXINGTON ROAD SR 10, US 78
(VARIABLE R/W)

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: TREE MANAGEMENT PLAN

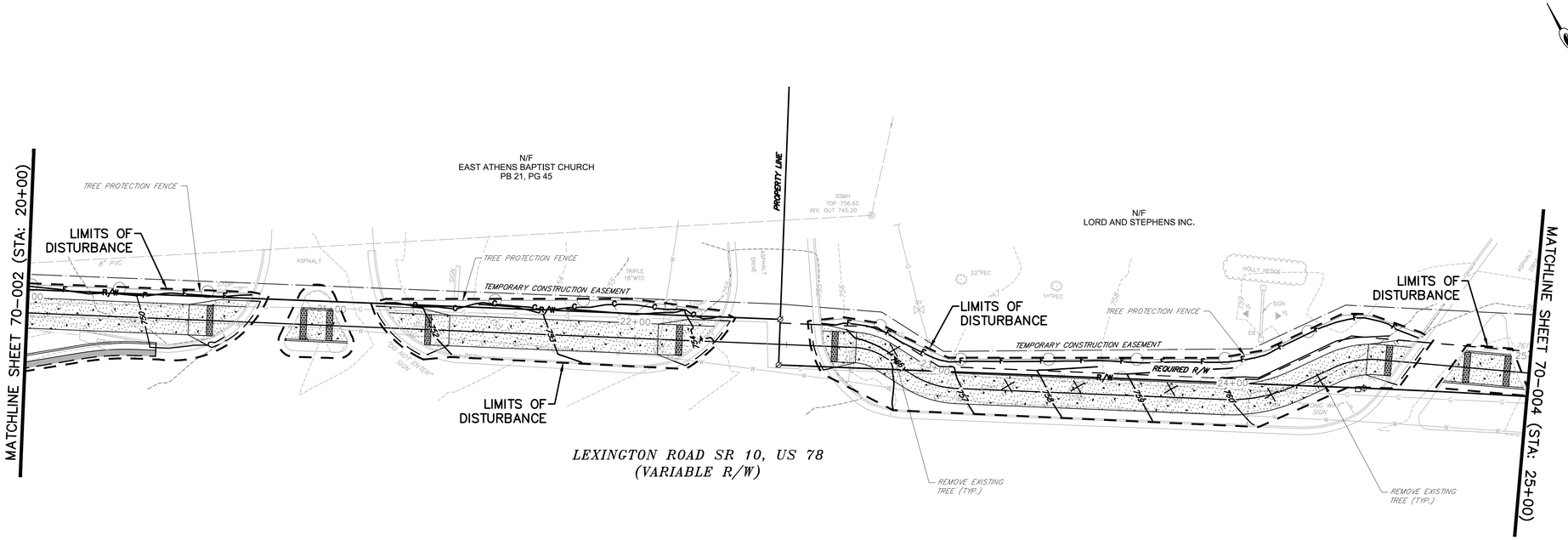
PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

20 0 20
SCALE IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 70-002



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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: TREE MANAGEMENT PLAN

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

SCALE 20 0 20 IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: APRIL 25, 2024

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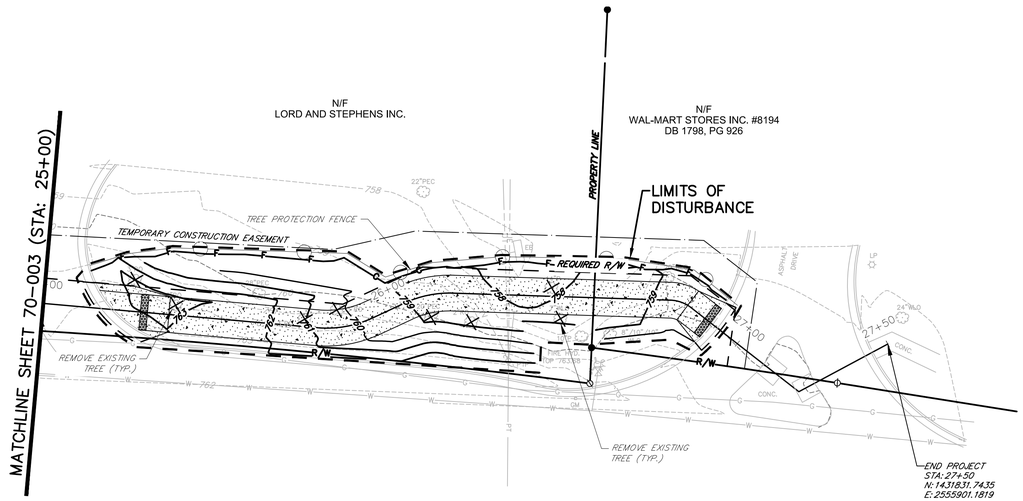

LEXINGTON ROAD SR 10, US 78
(VARIABLE R/W)

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: TREE MANAGEMENT PLAN

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

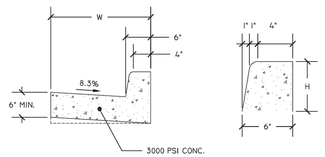
SCALE 20 0 20 IN FEET

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: 1" = 20'
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 70-004

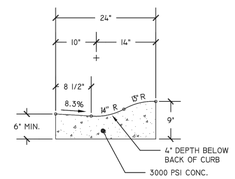
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			



TYPE	H	W	DESIGNATION
2-A	6"	24"	6"x24"x12"
2-B	6"	30"	6"x30"x12"
3	8"	30"	8"x30"x14"

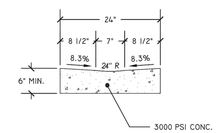
Notes:
1. ½" Asphalt Impregnated Expansion Joints to be placed every 100 L.F., at all structures, and at radius points.
2. Construction Joints to placed every 10 L.F.
3. Graded Aggregate Base to be placed under curb at a minimum thickness of 6" and extend beyond the back of curb a minimum of 6".
4. All exposed surfaces to be broom finished.
5. Gutter thickness may be increased to match paving course.

HIGH BACK CURB & GUTTER
NTS



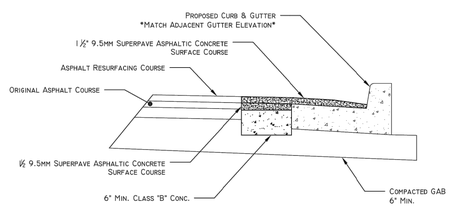
Notes:
1. Use of Rollover Curb requires the approval of the Director of Transportation and Public Works.
2. ½" Asphalt Impregnated Expansion Joints to be placed every 100 L.F., at all structures, and at radius points.
3. Construction Joints to placed every 10 L.F.
4. Graded Aggregate Base to be placed under curb at a minimum thickness of 6" and extend beyond the back of curb a minimum of 6".
5. All exposed surfaces to be broom finished.
6. Gutter thickness may be increased to match paving course.

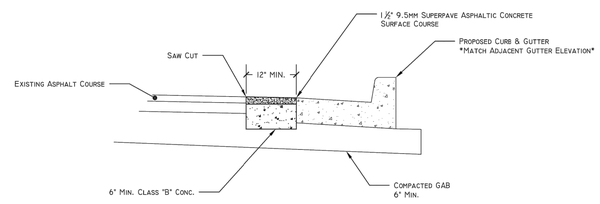
ROLLOVER CURB
NTS



Notes:
1. For use along on-street parking when approved by the Department Director.
2. ½" Asphalt Impregnated Expansion Joints to be placed every 100 L.F., at all structures, and at radius points.
3. Construction Joints to placed every 10 L.F.
4. Graded Aggregate Base to be placed under curb at a minimum thickness of 6" and extend beyond the back of curb a minimum of 6".
5. All exposed surfaces to be broom finished.
6. Gutter thickness may be increased to match paving course.

VALLEY GUTTER
NTS





Notes:
1. For installation of curb and gutter along existing streets with excavated area width is less than 5'.
2. Use typical section detail for excavated areas wider than 5'.
3. Graded Aggregate Base to be placed under curb at a minimum thickness of 6" and extend beyond the back of curb a minimum of 6".

CLASS "B" CONCRETE BASE
NTS

REVISIONS:

NO.	BY	DATE	DESCRIPTION
1			
2			
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8			

SURVEYED BY: NA
DESIGNED BY: BCB
DRAWN BY: BCB
CHECKED BY: BCB
APPROVED BY: JMP

THE UNIFIED GOVERNMENT OF ATHENS-CLARKE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
ENGINEERING DIVISION
120 WEST DOUGHERTY STREET
ATHENS, GEORGIA 30603
PHONE 706.613.3440
FAX 706.613.3444

PROJECT: CONSTRUCTION STANDARDS AND DETAILS

DATE: FEBRUARY 2009

SHEET: CURB & GUTTER DETAIL

SHEET: I-030

7/22/2009 10:46:42 AM

benesch
Alfred Benesch & Company
1005 Broad Street, Suite 200
Augusta, GA 30901
P 706.722.4114
www.benesch.com

REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32881 PROFESSIONAL ENGINEER VICTOR A. CONOVER

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

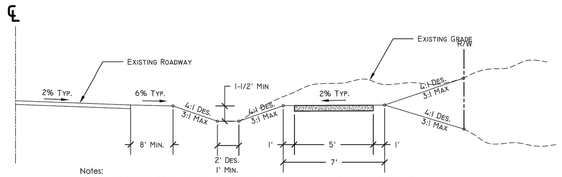
PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

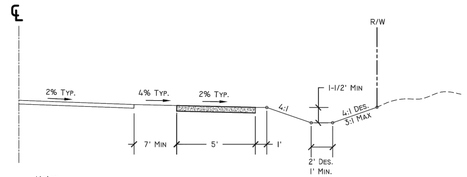
Sheet: 80-001

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA		40	48



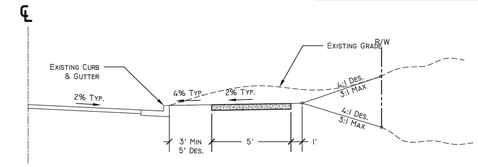
Notes:
1. This typical section to be used when right of way and terrain will allow the sidewalk to be constructed between the ditch and right of way.
2. The centerline profile of the sidewalk should conform to the centerline profile of the roadway whenever possible.
3. Longitudinal slope should not exceed 1:12 or 8.33% except where centerline profile of roadway exceeds 8.33%
4. All fill areas should be compacted to 95% standard proctor.

Typical Sidewalk Cross-Section
Type #1
NTS



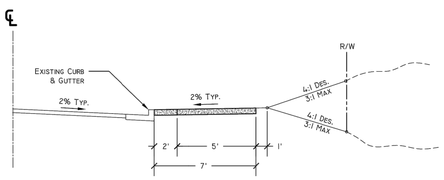
Notes:
1. This detail to be used on ditch sections where the construction of sidewalks behind the ditch is not practical or feasible.
2. The centerline profile of the sidewalk should conform to the centerline profile of the roadway whenever possible.
3. Longitudinal slope should not exceed 1:12 or 8.33% except where centerline profile of roadway exceeds 8.33%
4. All fill areas should be compacted to 95% standard proctor.

Typical Sidewalk Cross-Section
Type #2
NTS



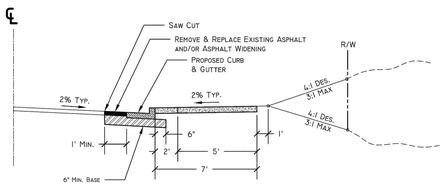
Notes:
1. This detail to be used on streets with existing or proposed curb and gutter.
2. The centerline profile of the sidewalk should conform to the centerline profile of the roadway whenever possible.
3. Longitudinal slope should not exceed 1:12 or 8.33% except where centerline profile of roadway exceeds 8.33%
4. All fill areas should be compacted to 95% standard proctor.

Typical Sidewalk Cross-Section
Type #3
NTS



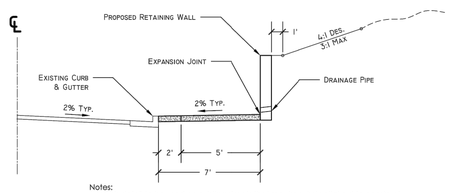
Notes:
1. This detail to be used on streets with existing curb and gutter.
2. See "7' Sidewalk Joint Pattern and Finish Detail".
3. All fill areas should be compacted to 95% standard proctor.

Typical Sidewalk Cross-Section
Type #4
NTS



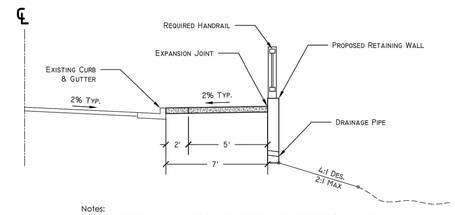
Notes:
1. This detail to be used on streets with proposed curb & gutter or limited right of way. (e.g. - deceleration lane, bike lanes, etc)
2. See "7' Sidewalk Joint Pattern and Finish Detail".
3. All fill areas should be compacted to 95% standard proctor.

Typical Sidewalk Cross-Section
Type #5
NTS



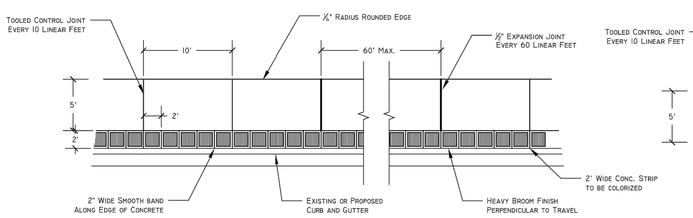
Notes:
1. This detail to be used on existing streets that require substantial cut to construct the proposed sidewalk.
2. Handrails may be required along the top of the proposed wall.
3. See GDOT Standard 9031L.
4. All fill areas should be compacted to 95% standard proctor.

Typical Sidewalk Cross-Section
Type #6
NTS



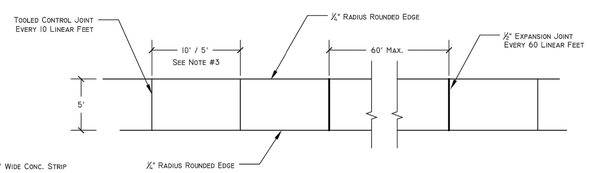
Notes:
1. This detail to be used on existing streets that require substantial fill to construct the proposed sidewalk.
2. Handrails may be required along the top of the proposed wall.
3. See GDOT Standard 9031L.
4. All fill areas should be compacted to 95% standard proctor.

Typical Sidewalk Cross-Section
Type #7
NTS



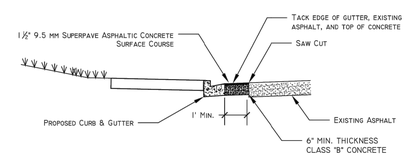
Notes:
1. 1/2" Expansion Joints to be placed every 60' L.F., where sidewalks abut structures, at driveways, driveway aprons and curb cut ramps.
2. This detail substitutes "Concrete Sidewalk Detail" from GDOT Detail Sheet A3.
3. Proposed Curb & Gutter and Concrete Sidewalk must be formed and poured seperate.
4. Concrete to be placed 4" (except where otherwise specified) thick with tamps, wood floats and stiff bristle brooms to achieve a type 5 sidewalk finish acceptable to Athens-Clarke County Department of Transportation and Public Works.
5. Sidewalk Joints shall be tooled to match curb joints whenever possible.
6. Maximum cross-slope not to exceed 2.00%.
7. 2' wide concrete strip to be colorized concrete per Department direction.

7' Sidewalk Joint Pattern and Finish Detail
NTS



Notes:
1. 1/2" Expansion Joints to be placed every 60' L.F., where sidewalks abut structures, at driveways, driveway aprons and curb cut ramps.
2. This detail substitutes "Concrete Sidewalk Detail" from GDOT Detail Sheet A3.
3. Contraction joints shall be placed every 5' in an Urban Section (Curb and Gutter Section) and every 10' in a Rural Section (Shoulder and Ditch Section).
4. Concrete to be placed 4" (except where otherwise specified) thick with tamps, wood floats and stiff bristle brooms to achieve a type 5 sidewalk finish acceptable to Athens-Clarke County Department of Transportation and Public Works.
5. Maximum running slope not to exceed 8.33%.
6. Maximum cross-slope not to exceed 2.00%.

5' Sidewalk Joint Pattern and Finish Detail
NTS



Notes:
1. Class "B" concrete base or pavement widening item code 500-9999 - cu yds
2. In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "class B concrete base and pavement widening.
3. In excavated areas greater that 5'-0" in width, the contractor shall place base and paving as specified on the typical section.
4. See plans for details of curb and gutter construction.

Class "B" Concrete Base or Widening Detail
NTS

REVISIONS:

NO.	BY	DATE	DESCRIPTION
1			
2			
3			
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SURVEYED BY: NA
DESIGNED BY: BCB
DRAWN BY: BCB
CHECKED BY: BCB
APPROVED BY: JMP

THE UNIFIED GOVERNMENT OF ATHENS-CLARKE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
ENGINEERING DIVISION
120 WEST DOUGHERTY STREET
ATHENS, GEORGIA 30603
PHONE 706.613.3440
FAX 706.613.3444

PROJECT:
CONSTRUCTION STANDARDS AND DETAILS
DATE: FEBRUARY 2009

SHEET: TYPICAL SIDEWALK CROSS-SECTIONS (EXISTING STREETS)
SHEET: I-060

7/22/2009 10:44:45 AM

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Alfred Benesch & Company
1005 Broad Street, Suite 200
Augusta, GA 30901
P 706.722.4114
www.benesch.com

REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

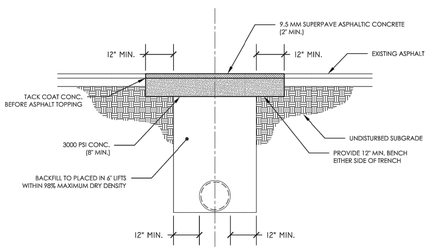
PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

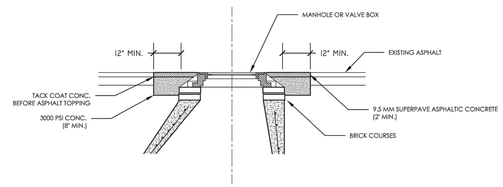
Sheet: 80-002

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA		65	66



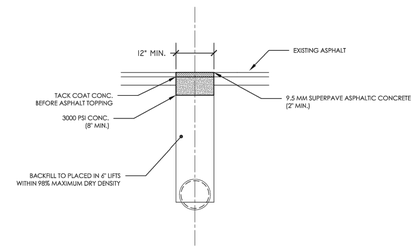
Notes:
1. Fill material to be placed in 6" lifts to 98% Standard Proctor Density.
2. Asphalt topping must be in place with in 7 calender daysof concrete pour.
3. All Longitudinal Cuts exceeding 150 L.F. will require the resurfacing of the entire road width for the length of the cut.
4. Successive Lateral Cuts having a separation distance less than 50 L.F., as measured along the lane centerline, will require the resurfacing of the entire road width throughout the length of the successive lateral cuts.
5. All saw cuts to be straight, with smooth, even edge.

PAVEMENT REPLACEMENT DETAIL
NTS



Notes:
1. Fill material to be placed in 6" lifts to 98% Standard Proctor Density.
2. All Street Cuts must be covered with a steel plate of suffecient thickness to span the cut without noticeable deflection. Steel plates must remain in placeuntil concrete has sufficient strength to withstand traffic loads, a mimimum of 24 hours.
3. Asphalt topping must be in place with in 7 calender days of concrete pour.
4. Ring and Cover must be adjusted flush with asphalt.
5. All saw cuts to be straight, with smooth, even edge.

STRUCTURE ADJUSTMENT DETAIL
NTS



Notes:
1. Fill material to be placed in 6" lifts to 98% Standard Proctor Density.
2. All Street Cuts must be covered with a steel plate of suffecient thickness to span the cut without noticeable deflection. Steel plates must remain in placeuntil concrete has sufficient strength to withstand traffic loads, a mimimum of 24 hours.
3. Asphalt topping must be in place with in 7 calender days of concrete pour.
4. All saw cuts to be straight, with smooth, even edge.

STRUCTURE ADJUSTMENT DETAIL
NTS

Procedural Notes:
1. Sawcut existing pavement for the necessary trench width only, and perform trench excavation.
2. Complete the utility installation.
3. Backfill trench by placing and compacting in 6-inch lifts to at least 95% theoretical maximum dry density.
4. Sawcut, in a neat straight line, an additional one-foot pavement width on each side of the trench to provide an undisturbed shoulder for the concrete trench cap. Excavate trench and shoulder to proper depth for installation of concrete trench cap and asphalt inlay, per detail.
5. Place 8-inch thick, 3000 PSI, high early strenght portland cement concrete trench cap, screed and level concrete to a consistent depth of 1 1/2 inches for subsequent installation of asphalt inlay. Do not apply a smooth trowel finish.
6. Plate or otherwise protect, and restrict traffic for 7 days cure time.*
7. Apply asphalt tack coat to edges of existing pavement and top of concrete trench cap.
8. Place asphalt Type "F" (Superpave 9.5 mm) 1 1/2 inches thick and compact.

* Note: GDOT twenty-four hour accelerated strength concrete (GDOT Standard Specifications Construction of Transportation Systems, 2001 Edition, Section 504) may be substituted for 3000PSI concrete. A six (6) hour cure time will be applicable under this condition.

REVISIONS:

NO.	BY	DATE	DESCRIPTION
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SURVEYED BY: NA
DESIGNED BY: BCB
DRAWN BY: BCB
CHECKED BY: BCB
APPROVED BY: JMP

THE UNIFIED GOVERNMENT OF ATHENS-CLARKE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
ENGINEERING DIVISION
120 WEST DOUGHERTY STREET
ATHENS, GEORGIA 30603
PHONE 706.613.3440
FAX 706.613.3444

PROJECT:
CONSTRUCTION STANDARDS AND DETAILS
DATE: FEBRUARY 2009

SHEET:
UTILITY CUT AND ADJUSTMENT DETAIL
SHEET: I-070

7/22/2009 10:44:07 AM

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Augusta, GA 30901
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REVISION BLOCK

REV. NO.	DATE	DESCRIPTION

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

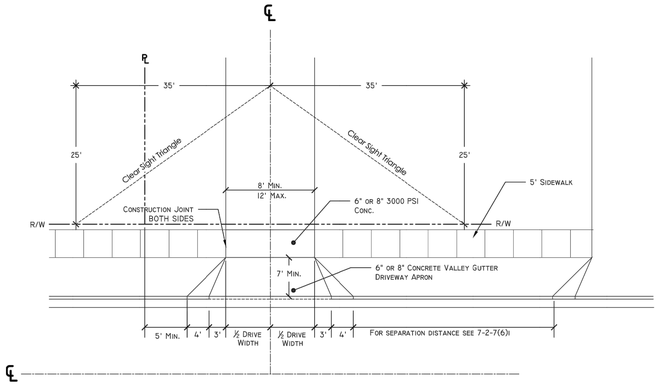
PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

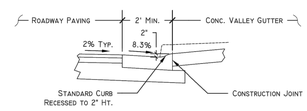
Sheet: 80-003

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			

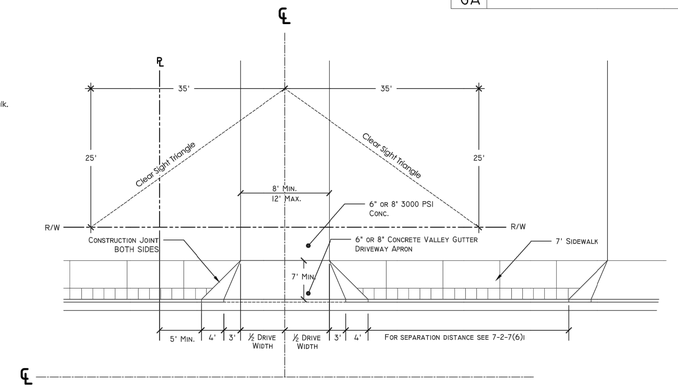


Plan View

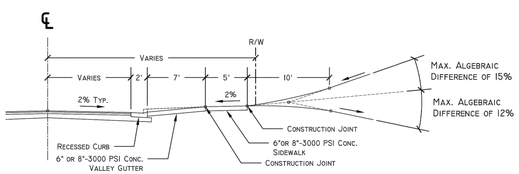
Notes:
1. Sidewalk must be the same thickness of the driveway (6" or 8") through the first full segment of sidewalk.
2. See Typical Intersection Detail 1-040 and 7-2-7(6)i of Athens-Clarke County Code of Ordinances for driveway separation from intersections.
3. See 7-2-7(6)i of the Athens-Clarke County Code of Ordinance for separation between driveways.



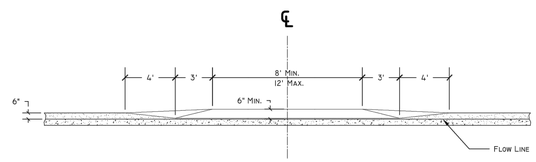
Recessed Curb



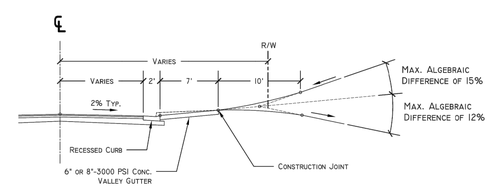
Plan View



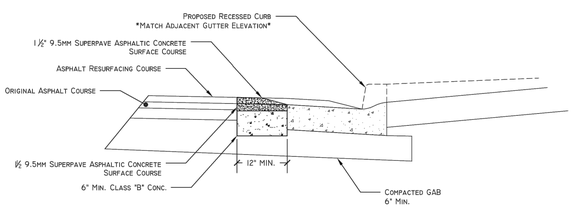
Profile View

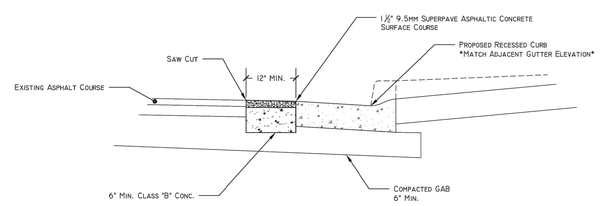


Section View at Flow Line



Profile View





Notes:
1. For installation of curb and gutter along existing streets where excavated area with a width less than 5'.
2. Use typical section detail for excavated areas wider than 5'.
3. Graded Aggregate Base to be placed under curb at a minimum thickness of 6" and extend beyond the back of curb a minimum of 6".

Class "B" Concrete Base

NTS

REVISIONS:

NO.	BY	DATE	DESCRIPTION
1			
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6			
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8			

SURVEYED BY: NA
DESIGNED BY: BCB
DRAWN BY: BCB
CHECKED BY: BCB
APPROVED BY: JMP

The Unified Government of Athens-Clarke County
Department of Transportation and Public Works
Engineering Division
120 West Dougherty Street
Athens, Georgia 30603
Phone 706.613.3440
Fax 706.613.3444

PROJECT: CONSTRUCTION STANDARDS AND DETAILS

DATE: JUNE 2009

SHEET: URBAN RESIDENTIAL DRIVEWAY APRON DETAIL

SHEET: 2-010

7/22/2009 10:43:13 AM

benesch
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Augusta, GA 30901
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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

Victor A. Conover — Georgia Registered Professional Engineer No. 32681

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

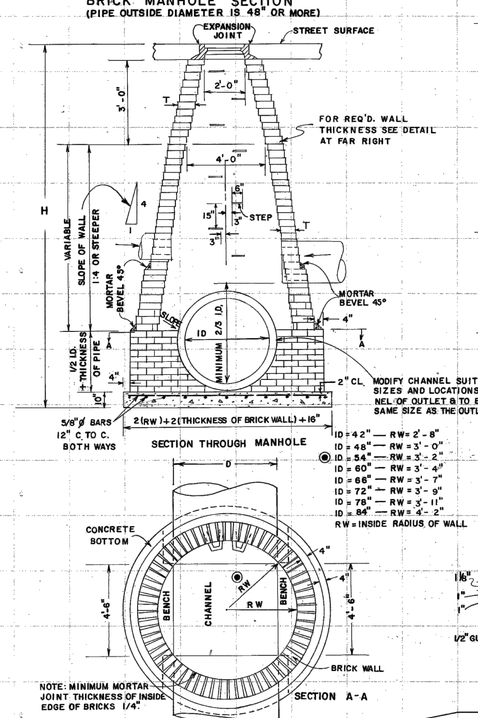
PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-004

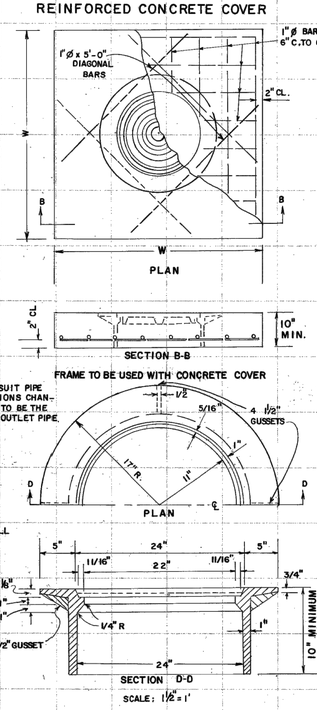
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

BRICK MANHOLE SECTION
(PIPE OUTSIDE DIAMETER IS 48" OR MORE)

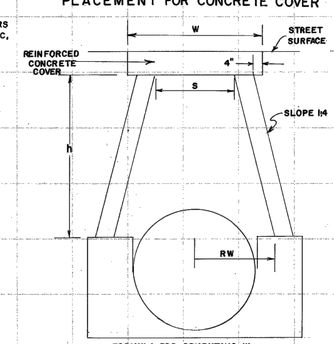


ID = 42" — RW = 2'-8"
ID = 48" — RW = 3'-0"
ID = 54" — RW = 3'-2"
ID = 60" — RW = 3'-4"
ID = 66" — RW = 3'-7"
ID = 72" — RW = 3'-9"
ID = 78" — RW = 3'-11"
ID = 84" — RW = 4'-2"
RW = INSIDE RADIUS OF WALL

REINFORCED CONCRETE COVER



PLACEMENT FOR CONCRETE COVER



FORMULA FOR COMPUTING W
RW = INSIDE RADIUS OF WALL
S = 2RW − 1/2
W = S + 24"

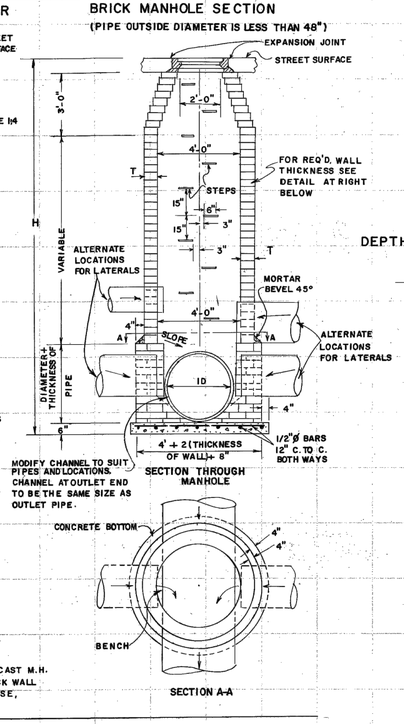
NOTE: USE CONCRETE COVER WITH MANHOLE CASTINGS IF FILL FROM TOP OF PIPE TO FINISHED SURFACE IS LESS THAN:
4'-6" FOR 42" PIPE
5'-0" FOR 48" PIPE
5'-6" FOR 54" PIPE
6'-0" FOR 60" PIPE
6'-6" FOR 66" PIPE
7'-0" FOR 72" PIPE
7'-6" FOR 78" PIPE
8'-0" FOR 84" PIPE

THICKNESS OF BRICK WALL
(SEE DETAIL AT FAR RIGHT)

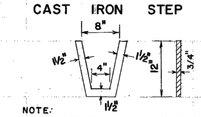
DEPTH	THICKNESS (T)
TO 10'	*8" MIN.
10' TO 20'	12" MIN.
20' TO 30'	16" MIN.

*FOR COMBINATION BRICK & PRECAST M.H. (SEE BELOW) ONLY 12" OR 16" BRICK WALL THICKNESS IS TO BE USED FOR BASE.

BRICK MANHOLE SECTION
(PIPE OUTSIDE DIAMETER IS LESS THAN 48")



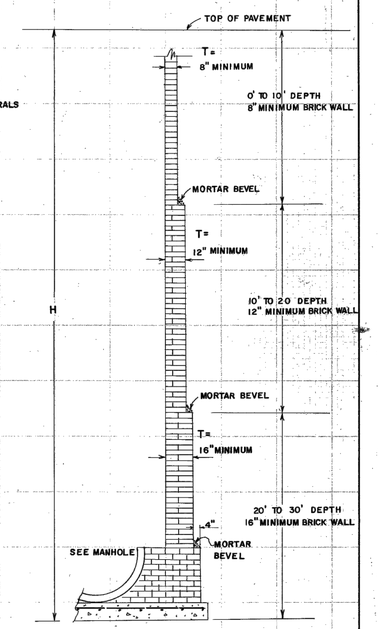
CAST IRON STEP



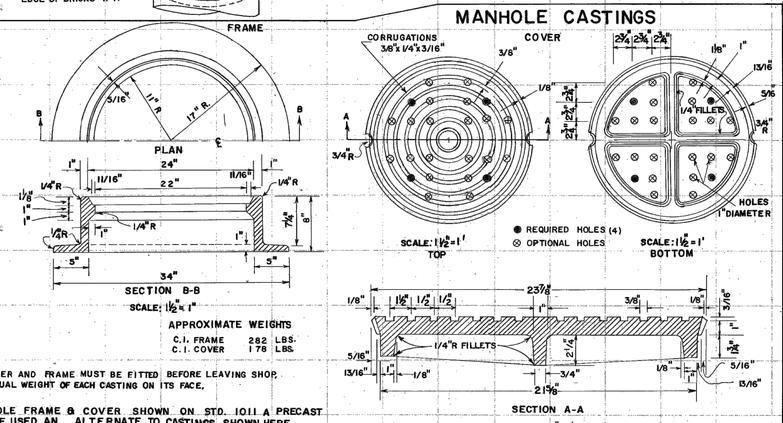
SCALE: 1 1/2" = 1'

NOTE:
STEPS ARE REQUIRED IN ALL MANHOLES WHERE "H" IS GREATER THAN 4'-0". NUMBER AND LOCATION OF STEPS TO BE AS DIRECTED BY THE ENGINEER. PLASTIC OR RUBBER COATED STEPS LISTED IN THE GA. D.O.T. QUALIFIED PRODUCTS MANUAL MAY BE SUBSTITUTED.

DEPTH LIMITS FOR INCREASING WALL THICKNESS



MANHOLE CASTINGS



APPROXIMATE WEIGHTS

C.I. FRAME	282 LBS.
C.I. COVER	176 LBS.

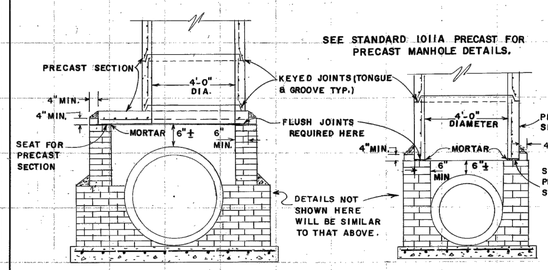
NOTE: COVER AND FRAME MUST BE FITTED BEFORE LEAVING SHOP. PAINT ACTUAL WEIGHT OF EACH CASTING ON ITS FACE.

MANHOLE FRAME & COVER SHOWN ON STD. 1011 A PRECAST MAY BE USED AN ALTERNATE TO CASTINGS SHOWN HERE.

ALTERNATE - COMBINATION BRICK & PRECAST MANHOLES

NOTES FOR COMBINATION MANHOLE:
— BRICK PORTION OF MANHOLE WILL BE CONSTRUCTED WITH SEAT TO GIVE BEST POSSIBLE FIT FOR PRECAST UNIT. MINIMUM THICKNESS FOR BRICK WALL WILL BE 12" FOR H TO 20 FT. AND 16" FOR H>20 FT. TO 30 FT.
— PRECAST UNIT WITHOUT TONGUE OR GROOVE AT BOTTOM SHALL BE PLACED IN BRICK SEAT WITH MORTAR IN JOINT ALL ROUND. BRICK BASE SHALL SET FOR 24 HOURS MIN. BEFORE PRECAST SECTIONS ARE INSTALLED.
— STEPS IN THE BRICK PORTION OF MANHOLE WILL BE IN ALIGNMENT WITH AND MATCH THE STEPS IN THE PRECAST SECTIONS RATHER THAN AS SHOWN FOR THE ALL BRICK MANHOLES.

SEE STANDARD 1011A PRECAST FOR PRECAST MANHOLE DETAILS.



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
BRICK MANHOLES

SCALE AS SHOWN — REV. & RE DR. OCTOBER, 1981

DES. 8-58
DRW. R.M.U.
TRA. G.M.E.
CHK. R.K.C.

(SUBMITTED) Floyd E. Hardy — STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) Thomas D. Moreland — STATE HIGHWAY ENGINEER

NUMBER 1011A

FORM EF6

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REV. NO.	DATE	REVISION BLOCK	DESCRIPTION

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32661 PROFESSIONAL ENGINEER VICTOR A. CONOVER

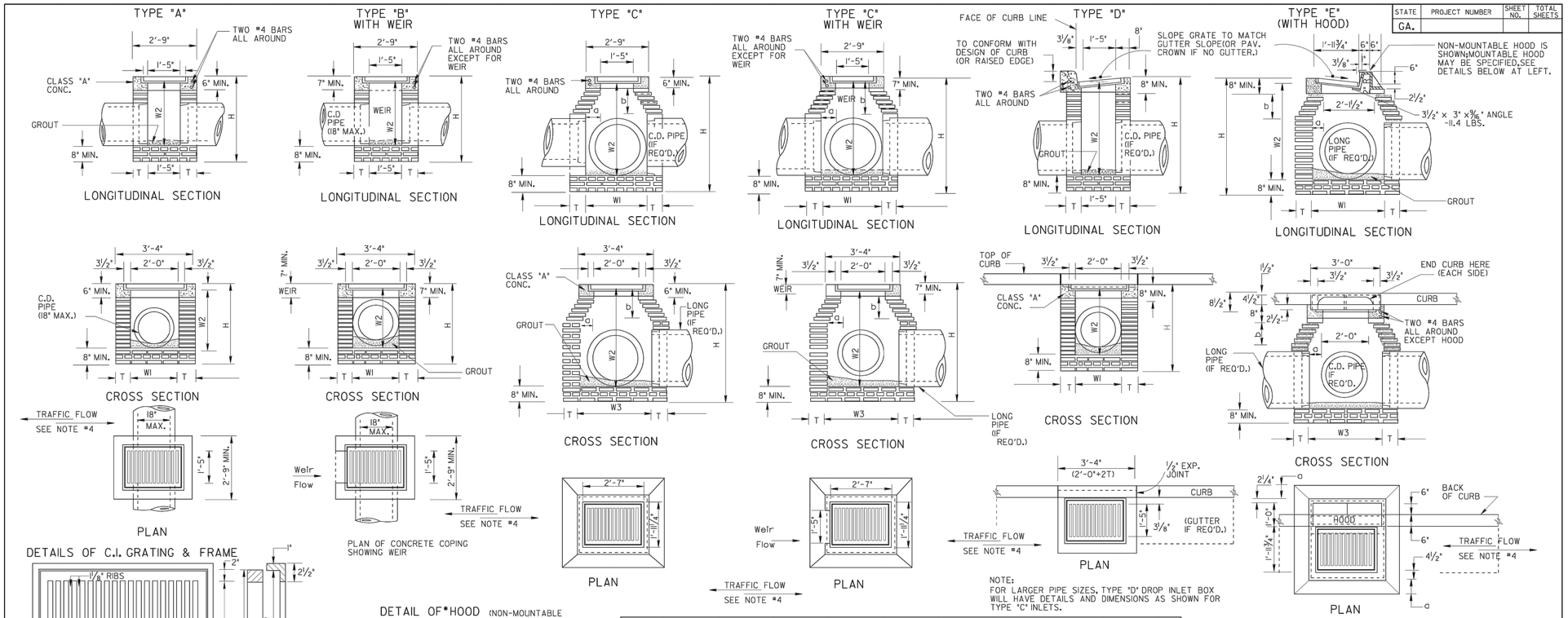
SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

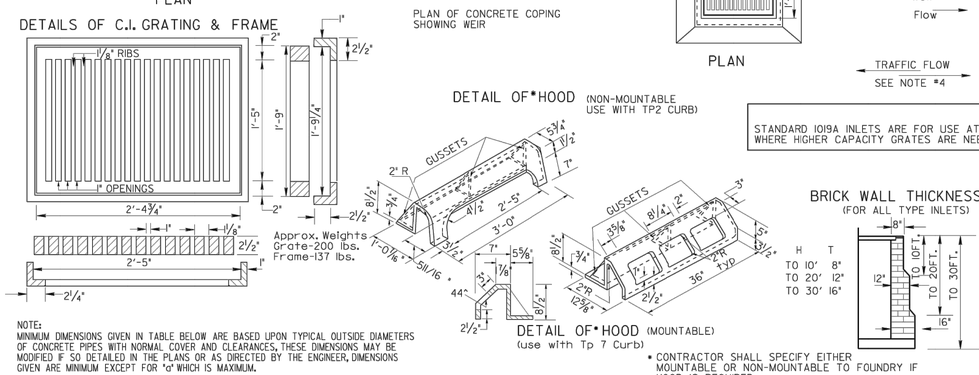
PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-005

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			





NOTE:
MINIMUM DIMENSIONS GIVEN IN TABLE BELOW ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONCRETE PIPES WITH NORMAL COVER AND CLEARANCES, THESE DIMENSIONS MAY BE MODIFIED IF SO DETAILED IN THE PLANS OR AS DIRECTED BY THE ENGINEER, DIMENSIONS GIVEN ARE MINIMUM EXCEPT FOR 'a' WHICH IS MAXIMUM.

SPECIAL NOTE:
STANDARD 1019A INLETS ARE FOR USE AT LOW POINTS & WHERE HYDRAULIC LOW CAPACITY GRATES ARE SUFFICIENT. WHERE HIGHER CAPACITY GRATES ARE NEEDED ON A CONTINUOUS GRADE, STANDARD 1019B IS RECOMMENDED.

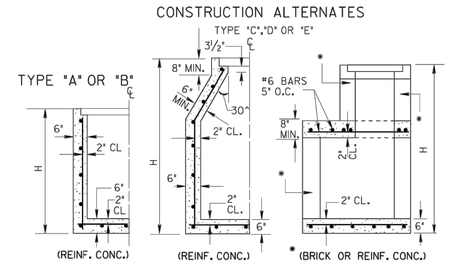
BRICK WALL THICKNESSES
(FOR ALL TYPE INLETS)

H	T
TO 10'	8"
TO 20'	12"
TO 30'	16"

• CONTRACTOR SHALL SPECIFY EITHER MOUNTABLE OR NON-MOUNTABLE TO FOUNDRY IF HOOD IS REQUIRED.

NOTE:
DETAILS NOT SHOWN FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO THAT SHOWN FOR BRICK MASONRY.

CONSTRUCTION ALTERNATES



NOTE: CONCRETE WALLS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS, BUT WHERE H IS OVER 9 FT., AND PIPE IS OVER 30" I.D., THE HORIZONTAL STEEL, WHICH IS MORE THAN 9 FT. DEEP WILL BE INCREASED TO 6" SPACINGS. 6" CONC. BOTTOM SLABS WILL BE REINFORCED WITH #4 BARS 12" O.C. BOTH WAYS.

NOTE: FOR PRECAST ALTERNATES, SEE STD. 1019-A PRECAST AND/OR STD. 1040 PRECAST AND BUILT-IN-PLACE COMPONENTS MAY BE USED IN COMBINATIONS WHICH PROVIDE PROPER FITS AND STRUCTURAL ADEQUACY.

NOTE:
FOR LARGER PIPE SIZES, TYPE "D" DROP INLET BOX WILL HAVE DETAILS AND DIMENSIONS AS SHOWN FOR TYPE "C" INLETS.

GENERAL NOTES:

1. SPECIFICATIONS:GEORGIA STANDARD AND CURRENT EDITION, AND SUPPLEMENTS THERETO.
2. ½" EXPANSION JOINT WILL BE REQUIRED WHERE RIGID PAVEMENT, CONCRETE SIDEWALK OR CONCRETE GUTTER MEETS DROP INLETS.
3. ALIGNMENT, NUMBER AND SIZES OF PIPES SHOWN ARE ONLY TYPICAL, SEE PLANS FOR ACTUAL PIPE CULVERT REQUIREMENTS.
4. ALL TYPE DROP INLETS WILL BE CONSTRUCTED (AS SHOWN), SO THAT THE GRATE BARS ARE PERPENDICULAR TO THE FLOW OF TRAFFIC EXCEPT ON LIMITED ACCESS PROJECTS OR WHERE BICYCLES ARE PROHIBITED.
5. BRICK MASONRY WITH CLASS "A" CONC. TOP PORTION IS SHOWN AS STANDARD CONSTRUCTION WITH ALTERNATES PERMITTED AS SHOWN. BOTTOM SLAB MAY BE 8" MIN. NON-REINFORCED CONCRETE. 8" BRICK OR 6" MIN. REINFORCED CONCRETE, SEE APPLICABLE STANDARDS FOR ALTERNATE PRECAST CONSTRUCTION.

TABLE OF MINIMUM DIMENSIONS FOR DROP INLETS

D	TYPES "A" or "B" BRICK OR REINF. CONC.			TYPE "C" OR "D" (BRICK)						TYPE "E" (BRICK)						TYPE "C", "D" OR "E" (REINFORCED CONCRETE)						
	W1	W2	H(min)	W1	W2	W3	a (MAX.)	b	H(min.)	W1	W2	W3	a (MAX.)	b	H(min.)	W1 type "C"	W1 type "E"	W2	W3	a (MAX.)	b	H(min.)
15"	2'- 0"	2'- 7"	3'-3½"	2'-2⅛"	2'-11"	2'-9⅛"	0'-4⅝"	0'-7⅞"	3'-9½"	3'-2⅛"	3'- 1"	3'-0⅝"	0'-7⅜"	1'-1⅛"	3'-11½"	2'- 0"	2'- 1"	2'- 7"	2'- 0"	3½"	6"	3'- 6"
18"	2'- 0"	2'-10"	3'- 7"	2'-2⅛"	3'-2½"	2'-9⅛"	0'-4⅝"	0'-7⅞"	4'-1"	3'-2⅛"	3'-4½"	3'-0⅝"	0'-7⅜"	1'-1⅛"	4'- 1"	2'- 0"	2'- 1"	3'- 0"	2'- 0"	3½"	6"	3'-11"
24"	~	~	~	2'-8⅛"	3'-3⅛"	3'-3⅛"	0'-7⅝"	1'-1⅛"	4'- 9"	3'-2⅛"	3'-11½"	3'-0⅝"	0'-7⅜"	1'-1⅛"	4'-8¼"	2'- 8"	2'- 9"	3'- 8"	2'- 6"	6½"	11¼"	4'- 7"
30"	~	~	~	3'-7¼"	4'-0¼"	3'-10⅛"	1'-0⅛"	1'- 9"	5'-10"	3'-5½"	4'-8⅜"	3'- 4"	0'- 8"	1'-1⅛"	5'-6⅞"	3'- 4"	3'- 6"	4'- 9"	3'- 0"	9½"	16½"	5'-10"
36"	~	~	~	4'-1⅞"	6'-0⅝"	4'-8⅞"	1'-4⅞"	2'-2¼"	6'-11⅛"	3'-11½"	5'-8⅜"	3'-10"	0'-11"	1'-7⅞"	6'-7⅛"	3'-10"	4'- 0"	5'-10"	3'- 9"	1'- 2"	2'- 0"	6'-10"
42"	~	~	~	4'-5"	7'-1¾"	5'- 0"	1'- 6"	2'-7⅜"	8'-0¼"	4'-6½"	7'-5⅞"	4'- 5"	1'-2½"	2'-1⅜"	8'-4⅜"	4'- 5"	4'- 6"	7'- 0"	4'- 3"	1'- 5"	2'-5½"	7'-11"
48"	~	~	~	5'- 0"	8'-2¾"	5'- 7"	1'-9½"	3'-1¼"	9'-1¼"	5'-1½"	8'-6⅛"	5'- 0"	1'- 6"	2'-7⅜"	9'-5⅜"	5'- 0"	5'- 0"	8'- 2"	5'- 0"	1'-9½"	3'-1½"	9'- 2"
54"	~	~	~	5'- 7"	9'- 4"	6'- 2"	2'- 1"	3'-7½"	10'-2½"	5'-8½"	9'-7¾"	5'- 7"	1'-9½"	3'-1¼"	10'-6¼"	5'- 6"	5'- 6"	9'- 2"	5'- 6"	2'-0½"	3'-6½"	10'- 0"
60"	~	~	~	6'- 2"	11'-4⅞"	6'- 9"	2'-4½"	4'-1⅜"	11'-3¼"	6'-3½"	10'-8⅝"	6'- 2"	2'- 1"	3'-7⅝"	11'-7⅜"	6'- 0"	6'- 0"	10'- 3"	6'- 0"	2'-3½"	4'- 0"	11'- 1"

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
DROP INLETS
(BUILT-IN-PLACE)

SCALE AS SHOWN REV. & REDR. AUG., 1999

DES. ____ (SUBMITTED)
REV. ____ STATE ROAD & AIRPORT DESIGN ENGR.
TRA. ____ (APPROVED)
CHK. ____ CHIEF ENGINEER

NUMBER
1019A

REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

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GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet:
80-006

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

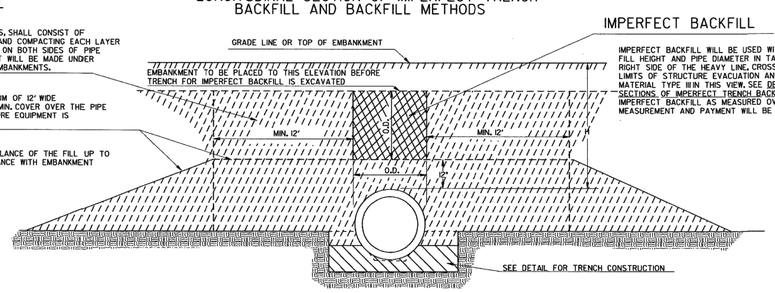
NORMAL BACKFILL

BACKFILL, AS SHOWN BY THE BROKEN LINE SECTIONS, SHALL CONSIST OF PLACING COMPACTABLE SOIL IN 6" (LOOSE) LAYERS AND COMPACTING EACH LAYER (ACCORDING TO GEORGIA STANDARD SPECIFICATIONS) ON BOTH SIDES OF PIPE FOR ITS FULL LENGTH. MEASUREMENT AND PAYMENT WILL BE MADE UNDER ROADWAY EXCAVATION ITEMS FOR FORMATION OF EMBANKMENTS.

NORMAL EMBANKMENT SHALL BE PLACED A MINIMUM OF 12' WIDE ON EACH SIDE OF THE PIPE AND AT LEAST THE MIN. COVER OVER THE PIPE AND COMPACTED TO THE REQUIRED DENSITY BEFORE EQUIPMENT IS ALLOWED TO CROSS.

AFTER BACKFILL HAS BEEN COMPACTED, THE BALANCE OF THE FILL UP TO GRADE LINE SHALL BE CONSTUCTED IN ACCORDANCE WITH EMBANKMENT SPECIFICATIONS

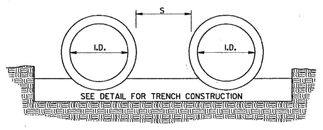
LONGITUDINAL SECTION OF IMPERFECT TRENCH BACKFILL AND BACKFILL METHODS



IMPERFECT BACKFILL

IMPERFECT BACKFILL WILL BE USED WITH CONCRETE PIPE IF FILL HEIGHT AND PIPE DIAMETER IN TABLE NO.1 FALLS ON THE RIGHT SIDE OF THE HEAVY LINE. CROSS HATCHED AREA SHOWS LIMITS OF STRUCTURE EVACUATION AND IMPERFECT BACKFILL MATERIAL TYPE III IN THIS VIEW. SEE DETAILS BELOW CROSS SECTIONS OF IMPERFECT TRENCH BACKFILL FOR LIMITS OF IMPERFECT BACKFILL AS MEASURED OVER THE PIPE LENGTHWISE. MEASUREMENT AND PAYMENT WILL BE CONFINED TO THESE LIMITS.

MULTIPLE PIPE CULVERT SPACING

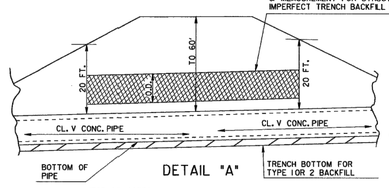


S=ONE INSIDE DIAMETER OF PIPE, OR 3 FEET, WHICHEVER IS SMALLER.
FOR PIPE ARCH CULVERTS, SUBSTITUTE SPAN FOR INSIDE DIAMETER.

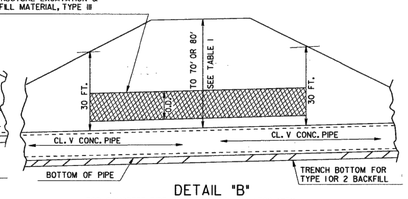
NOTE:
FOR MULTIPLE LINES OF C.M. PIPE WITH METAL FLARED END SECTIONS, S MAY BE INCREASED ENOUGH TO AVOID OVERLAP OF END SECTION WINGTIPS. LOCATION OF METAL END SECTION SHOULD BE DETERMINED BEFORE PLACEMENT OF PIPE.

CROSS SECTIONS OF IMPERFECT TRENCH BACKFILL

CROSS HATCHED AREAS SHOW LIMITS OF CONSTRUCTION & MEASUREMENT FOR STRUCTURE EXCAVATION & IMPERFECT TRENCH BACKFILL MATERIAL, TYPE III

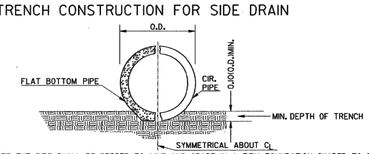


DETAIL "A"
(FOR CONCRETE PIPE DIAMETERS 78" & 84", WITH FILL HEIGHTS OVER 20 FT.)



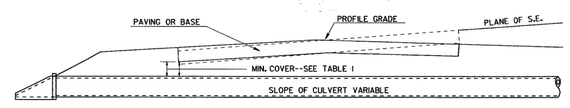
DETAIL "B"
(FOR CONCRETE PIPE DIAMETERS 72" AND LESS WITH FILL HEIGHTS OVER 30 FT.)

TRENCH CONSTRUCTION FOR SIDE DRAIN



NOTE: THE PIPE SHALL BE BEDDED TO LINE AND GRADE IN A FIRM FOUNDATION SHAPED TO FIT THE LOWER PART OF THE PIPE EXTERIOR. WHERE ROCK EXISTS, EXCAVATE AND BACKFILL WITH COMPRESSABLE MATERIAL (UNCLASSIFIED EXCAVATION) A MINIMUM OF 6" BELOW THE PIPE.

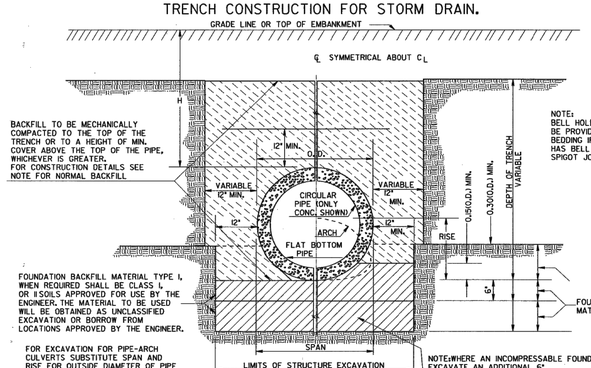
DETAIL SHOWING MINIMUM COVER FOR PIPE CULVERTS



NOTE:

1. FOR FILL HEIGHT TABLES SEE SHEET 2 OF 3 AND SHEET 3 OF 3.
2. ONLY ONE CLASS OR THICKNESS OF PIPE WILL BE SPECIFIED FOR EACH INDIVIDUAL LOCATION. THE CLASS OR THICKNESS WILL BE DETERMINED BY THE MAXIMUM HEIGHT OF FILL.

TRENCH CONSTRUCTION FOR STORM DRAIN.



BACKFILL TO BE MECHANICALLY COMPACTED TO THE TOP OF THE TRENCH OR TO A HEIGHT OF MIN. COVER ABOVE THE TOP OF THE PIPE, WHICHEVER IS GREATER. FOR CONSTRUCTION DETAILS SEE NOTE FOR NORMAL BACKFILL

NOTE:
BELL HOLES SHALL BE PROVIDED IN BEDDING IF PIPE HAS BELL AND SPIGOT JOINTS.

NOTE:
TRENCH CONSTRUCTION IS REQUIRED FOR BOTH NORMAL OR IMPERFECT BACKFILL. ALL PIPES WITH BELL & SPIGOT JOINTS SHALL HAVE BELL HOLES IN BEDDING.

FOUNDATION BACKFILL MATERIAL TYPE I, WHEN REQUIRED SHALL BE CLASS I, OR II SOILS APPROVED FOR USE BY THE ENGINEER. THE MATERIAL TO BE USED WILL BE OBTAINED AS UNCLASSIFIED EXCAVATION OR BORROW FROM LOCATIONS APPROVED BY THE ENGINEER.

FOR EXCAVATION FOR PIPE-ARCH CULVERTS SUBSTITUTE SPAN AND RISE FOR OUTSIDE DIAMETER OF PIPE IN HORIZONTAL AND VERTICAL DIMENSIONS SPECIFIED IN DETAIL.

NOTE: PIPE SHALL BE BEDDED IN A FOUNDATION SHAPED TO FIT THE LOWER PART OF PIPE EXTERIOR.

NOTE: WHERE AN INCOMPRESSABLE FOUNDATION EXISTS, EXCAVATE AN ADDITIONAL 6". WHERE AN UNSTABLE FOUNDATION MATERIAL IS ENCOUNTERED, EXCAVATE AN ADDITIONAL DEPTH AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER

REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 1 OF 3
(TRENCH CONSTRUCTION, BEDDING, BACKFILLING)

NO SCALE — REV. & REDR.: SEPT., 2001

DES. ____ DRW. ____ TRA. ____ CHK. ____
(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) CHIEF ENGINEER

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ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-007

TABLE NO. 1 ROUND PIPE - CONCRETE - CORRUGATED STEEL - CORRUGATED ALUMINUM

MINIMUM CLASS OF CONCRETE OR MINIMUM THICKNESS OF STEEL AND ALUMINUM

PIPE DIAMETER (INCHES)	TYPE	MINIMUM COVER (INCHES)	HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE												PIPE DIAMETER (INCHES)
			1 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 50	50 - 60	60 - 70	70 - 80	80 - 90	
12	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		12
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
	ALUM 1	12	.060	.060	.060	.060	.075	.075	.075	.075	.075	.075	.075	.075	
15	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		15
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
	ALUM 1	12	.060	.060	.060	.060	.075	.075	.075	.075	.075	.075	.075	.105	
18	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		18
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	
	ALUM 1	12	.060	.060	.060	.060	.075	.075	.075	.075	.105	.105	.105	.105	
24	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		24
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	
	ALUM 1	12	.060	.060	.060	.075	.075	.075	.075	.105	.105	.105	.105		
30	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		30
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109	
	ALUM 1	12	.075	.075	.075	.075	.075	.105	.105	.105	.135	.135			
36	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		36
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109	.138	
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109	
	ALUM 1	12	.075	.105	.105	.105	.105	.105	.135	.135	.135	.135			
	ALUM 2	12	.060	.060	.060	.060	.075	.075	.105	.105	.105	.135			
42	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		42
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.064	.079	.109	.109	.109	.138	
	ALUM 1	12	.105	.105	.135	.135	.164	.164							
	ALUM 2	12	.060	.060	.060	.075	.075	.105	.105	.105	.135	.135			
48	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		48
	STEEL 1	12	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	.168	
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	
	ALUM 1	12	.105	.105	.135	.164	.164	.164							
	ALUM 2	12	.060	.060	.060	.075	.075	.105	.105	.135	.135	.164	.164		
54	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		54
	STEEL 1	12	.079	.079	.079	.079	.079	.079	.079	.109	.138	.138	.168		
	STEEL 2	12	.064	.064	.064	.064	.064	.064	.079	.109	.109	.138	.138	.168	
	ALUM 1	15	.105	.105	.135	.164	.164	.164							
	ALUM 2	15	.060	.060	.060	.075	.075	.105	.135	.135	.164	.164			
60	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V	V		60
	STEEL 1	12	.109	.109	.109	.109	.109	.109	.109	.109	.138	.168			
	STEEL 2	12	.064	.064	.064	.064	.064	.079	.079	.109	.138	.138	.168	.168	
	ALUM 1	15	.135	.135	.164	.164	.164	.164							
	ALUM 2	15	.060	.060	.075	.105	.105	.135	.135	.164	.164				
66	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V			66
	STEEL 1	12	.138	.138	.138	.138	.138	.138	.138	.138	.168	.168			
	STEEL 2	12	.064	.064	.064	.064	.064	.079	.109	.109	.138	.168	.168		
	ALUM 1	18	.164	.164	.164	.164	.164								
	ALUM 2	18	.075	.075	.105	.105	.135	.135	.164	.164					
72	CONCRETE	12	III	III	IV	V	V	V	V	V	V	V			72
	STEEL 1	12	.138	.138	.138	.138	.138	.138	.138	.138	.168				
	STEEL 2	12	.064	.064	.064	.064	.079	.109	.109	.138	.138	.168			
	ALUM 1	18	.164	.164	.164	.164	.164								
	ALUM 2	18	.075	.075	.105	.105	.135	.164	.164	.164					
78	CONCRETE	12	III	III	IV	V	V	V	V	V	V				78
	STEEL 1	15	.168	.168	.168	.168	.168	.168	.168	.168					
	STEEL 2	15	.064	.064	.064	.064	.079	.109	.109	.138	.168	.168			
	ALUM 2	21	.075	.075	.105	.105	.135	.164	.164						
84	CONCRETE	12	III	III	IV	V	V	V	V	V	V				84
	STEEL 1	15	.168	.168	.168	.168	.168	.168	.168	.168					
	STEEL 2	15	.064	.064	.064	.079	.079	.109	.109	.138	.168				
	ALUM 2	21	.105	.105	.105	.135	.135	.164	.164						
90	CONCRETE	12	III	III											90
	STEEL 2	18	.064	.064	.064	.079	.109	.109	.138	.138	.168				
	ALUM 2	24	.105	.105	.135	.135	.164								
96	CONCRETE	12	III	III											96
	STEEL 2	18	.079	.079	.079	.079	.109	.109	.138	.168					
	ALUM 2	24	.105	.105	.135	.135	.164								
102	CONCRETE	12	III	III											102
	STEEL 2	24	.079	.079	.079	.109	.109	.138	.138	.168					
	ALUM 2	24	.135	.164	.164										
108	CONCRETE	12	III	III											108
	STEEL 2	24	.109	.109	.109	.109	.109	.138	.138	.168					
	ALUM 2	24	.135	.164											
114	CONCRETE														114
	STEEL 2	24	.109	.109	.109	.109	.109	.138	.168						
	ALUM 2	24	.164	.164											
120	CONCRETE														120
	STEEL 2	24	.109	.109	.109	.109	.138	.138	.168						
	ALUM 2	24	.164	.164											

IMPERFECT BACKFILL IS NOT REQUIRED FOR CONDTIONS SHOWN ON THE LEFT SIDE OF THE HEAVY LINE. USE NORMAL BACKFILL.

FOR CONDITIONS TO THE RIGHT OF THE HEAVY LINE, CLASS V CONCRETE PIPE REQUIRES IMPERFECT BACKFILL ACCORDING TO DETAIL "A" OR "B" ON SHEET 1 OF 3.

TABLE NO.3-(INFORMATION ONLY)		
	COR. METAL THICKNESS	EQUIVALENT GAGE
STEEL	.064	16
	0.079	14
	0.109	12
	0.138	10
	0.168	8
ALUMINUM	0.060	16
	0.075	14
	0.105	12
	0.135	10
	0.164	8

STEEL 1 OR ALUM 1 DENOTES CORRUGATION PROFILE 2 2/3" X 1/2"

STEEL 2 OR ALUM 2 DENOTES CORRUGATION PROFILE 3" X 1" (OR 5" X 1" FOR STEEL PIPE ONLY)

ALL STEEL AND ALUMINUM PIPE SHALL BE LOCK-SEAM OR WELDED-SEAM (HELICAL) CONSTRUCTION.

MINIMUM COVER VALUES APPLY TO HS-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

TRENCH CONSTRUCTION IS REQUIRED FOR CONDITIONS ON BOTH SIDES OF HEAVY LINE. SEE SHEET 1 OF 3.

FOR CONDITIONS TO RIGHT OF HEAVY LINE, CONCRETE PIPE REQUIRES IMPERFECT BACKFILL ACCORDING TO SPECIFICATIONS AND THIS STANDARD.

TABLE VALUES FOR ALUMINUM CORRUGATED PIPE (OR ALUMINUM SPIRAL RIB PIPE) ARE COMPUTED BASED UPON ALCLAD ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH, fy=24,000 PSI. IF ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 (fy=20,000 PSI), THE TABLE NO. 1 ALLOWABLE FILL HEIGHTS SHALL BE ADJUSTED AS FOLLOWS:

A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 INCHES BECOMES 13.8 INCHES)
B. ALL HEIGHT OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FEET BECOMES 29.7-34.0 FEET)

	GEN. REV. NOTES	9-26-01
G.P.	ADDED SEAM CONST. NOTE	3-9-99
BY	REVISION	DATE

DES. ____ DRN. ____ TRA. ____ CHK. ____

NO SCALE

(SUBMITTED) STATE MAINTENANCE ENGR.

(APPROVED) STATE ROADWAY DESIGN ENGR.

CHIEF ENGINEER

OCTOBER 21, 1998

NUMBER 1030D

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 2 OF 3
(FILL HEIGHTS FOR CONCRETE & CORRUGATED METAL PIPE)

STATE GA. | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS

SHEET TITLE:
CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

ATHENS-CLARKE COUNTY, GA

VICTOR A. CONOVER, GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 33691

REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

benesch
Alfred Benesch & Company
1005 Broad Street, Suite 200
Augusta, GA 30901
P 706.722.4114
www.benesch.com

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.DSE.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-008

TABLE NO. 1 R ROUND PIPE - SPIRAL RIB STEEL - SPIRAL RIB ALUMINUM
MINIMUM THICKNESS OF STEEL AND ALUMINUM

PIPE DIAMETER (INCHES)	TYPE	MINIMUM COVER (INCHES)	HEIGHT OF FILL (FEET) ABOVE TOP OF PIPE 1-10	10-15	15-20	20-25	25-30	30-35	35-40	40-50	50-60	60-70	70-80	80-90	PIPE DIAMETER (INCHES)
12															12
15															15
18	STEEL R	12	.064	.064	.064	.064	.064	.064	.064	.064	.064	.079	.079		18
	ALUM R	12	.060	.060	.060	.060	.060	.060	.075	.075					
24	STEEL R	12	.064	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109		24
	ALUM R	12	.060	.060	.060	.060	.075	.075	.105	.105	.105				
30	STEEL R	12	.064	.064	.064	.064	.064	.064	.079	.079	.109	.109	.109		30
	ALUM R	15	.060	.060	.060	.075	.075	.105	.105	.105					
36	STEEL R	12	.064	.064	.064	.064	.064	.079	.079	.109	.109	.109			36
	ALUM R	18	.060	.060	.075	.075	.105	.105	.105	.135	.135				
42	STEEL R	12	.064	.064	.064	.064	.079	.079	.109	.109	.109				42
	ALUM R	21	.075	.075	.075	.105	.105	.105	.135	.135					
48	STEEL R	12	.064	.064	.064	.079	.079	.109	.109	.109					48
	ALUM R	24	.105	.105	.105	.105	.105	.135	.135						
54	STEEL R	15	.064	.064	.064	.079	.079	.109	.109						54
	ALUM R	24	.105	.105	.105	.105	.135	.135	.135						
60	STEEL R	15	.079	.079	.079	.079	.109	.109	.109						60
	ALUM R	24	.105	.105	.105	.105	.135	.135							
66	STEEL R	18	.079	.079	.079	.109	.109	.109	.109						66
	ALUM R	24	.135	.135	.135	.135	.135								
72	STEEL R	18	.109	.109	.109	.109	.109	.109							72
	ALUM R	27	.135	.135	.135	.135	.135								
78	STEEL R	21	.109	.109	.109	.109	.109								78
84	STEEL R	21	.109	.109	.109	.109	.109								84
90															90
96															96
102															102
108															108
114															114
120															120

R DENOTES SPIRAL RIB PROFILE 3/4" X 3/4" X 7-1/2"

TABLE VALUES FOR ALUMINUM SPIRAL RIB PIPE ARE COMPUTED BASED UPON ALCLAD ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH, f_y=24,000 PSI. IF ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 (f_y=20,000 PSI), ALLOWABLE FILL HEIGHTS SHALL BE ADJUSTED AS FOLLOWS:

A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 IN. BECOMES 13.8 IN.)

B. ALL HEIGHT OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FT. BECOMES 29.7-34.0 FT.)

MINIMUM COVER VALUES APPLY TO HS-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

TRENCH CONSTRUCTION IS REQUIRED FOR ALL INSTALLATIONS.

BY	REVISION	DATE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CONCRETE & METAL PIPE CULVERTS
SHEET 3 OF 3
(FILL HEIGHTS FOR SPIRAL RIB METAL PIPE & FOR PIPE ARCH)

NO SCALE — SEPT., 2001

DESIGNED: ____ TRACED: ____ CHECKED: ____ REVISED: ____

(SUBMITTED) STATE ROAD & TRANSPORT DESIGN ENGINEER
(APPROVED) CHIEF ENGINEER

NUMBER 1030D

TABLE NO. 2 (PIPE-ARCH)
TABLE SHOWING MINIMUM THICKNESS IN INCHES OF CORRUGATED STEEL AND CORRUGATED ALUMINUM PIPE-ARCH AND MAXIMUM HEIGHTS OF FILL IN FEET ABOVE THE TOP OF THE PIPE-ARCH.

DIAMETER OF PIPE OF EQUAL PERIPHERY INCH	NOM.-MIN. SPAN INCH	NOM.-MIN. RISE INCH	MIN. THICKNESS (INCHES) COR. STEEL ①	COR. STEEL ②	COR. ALUMINUM	MIN. COVER (INCHES)	MAX. HT. FILL (FEET)
15	17	13	.064			18	13
					.060	18	15
18	21	15	.064			18	12
					.060	18	14
21	24	18	.064			18	10
					.060	18	13
24	28	20	.064			18	9
					.075	18	11
30	35	24	.064			18	9
					.075	18	9
36	42	29	.064			18	7
					.105	18	7
	40	31		.079		18	12
42	49	33	.079			18	7
					.105	18	7
	46	36	.079	.079		18	12
48	57	38	.109			18	7
					.135	18	7
	53	41		.079		18	12
54	64	43	.109			18	7
					.135	18	7
	60	46		.079		18	12
60	71	47	.138			18	7
					.164	18	7
	66	51		.079		18	12
66	77	52	.168			18	7
	73	55		.079		18	15
77	83	57	.168			18	8
	81	59		.079		18	15
78	87	63		.079		18	14
84	95	67		.109		18	12
90	103	71		.109		24	11

NOTE FOR TABLE NO. 2.
ALTERNATE SPAN-RISE COMBINATIONS FOR PIPE-ARCHES, HAVING EQUAL PERIPHERY TO THAT SHOWN, MAY BE SUBSTITUED IF LISTED IN AASHTO SPECIFICATION.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-009

SHEET TITLE:
CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME
LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

ATHENS-CLARKE COUNTY, GA

VICTOR A. CONOVER — GEORGIA REGISTERED PROFESSIONAL ENGINEER — No. 33698

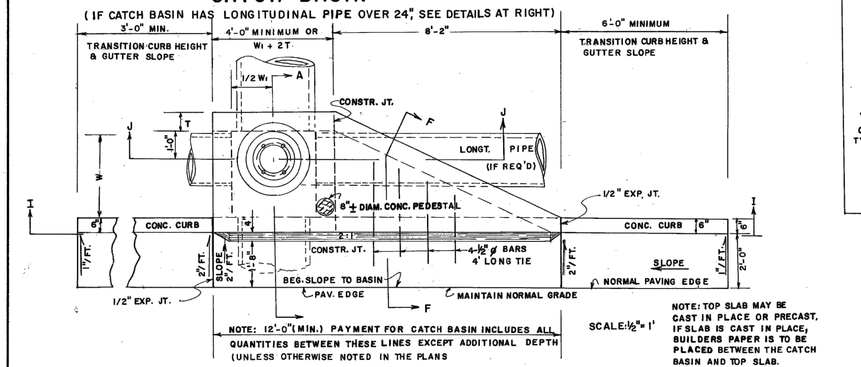
REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

benesch
Alfred Benesch & Company
1005 Broad Street, Suite 200
Augusta, GA 30901
P 706.722.4114
www.benesch.com

CATCH BASIN

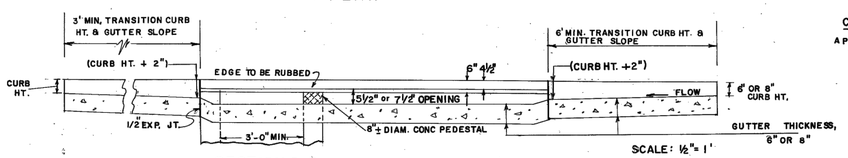
(IF CATCH BASIN HAS LONGITUDINAL PIPE OVER 24", SEE DETAILS AT RIGHT)



SCALE: 1/2" = 1'

NOTE: TOP SLAB MAY BE CAST IN PLACE OR PRECAST, IF SLAB IS CAST IN PLACE, BUILDERS PAPER IS TO BE PLACED BETWEEN THE CATCH BASIN AND TOP SLAB.

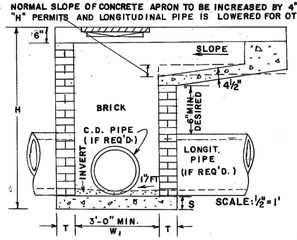
PLAN



SCALE: 1/2" = 1'

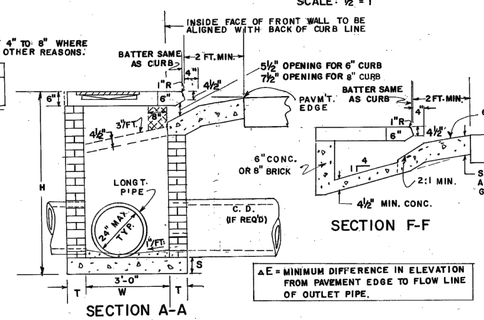
SECTION I-I

NOTE: NORMAL SLOPE OF CONCRETE APRON TO BE INCREASED BY 4" TO 8" WHERE "H" PERMITS AND LONGITUDINAL PIPE IS LOWERED FOR OTHER REASONS.



SCALE: 1/2" = 1'

SECTION J-J

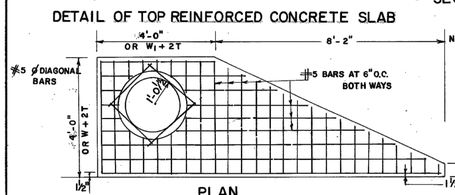


SECTION A-A

SECTION F-F

ΔE = MINIMUM DIFFERENCE IN ELEVATION FROM PAVEMENT EDGE TO FLOW LINE OF OUTLET PIPE.

DETAIL OF TOP REINFORCED CONCRETE SLAB

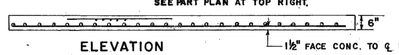


PLAN

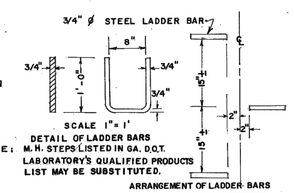
NOTE: ALL CATCH BASINS WILL HAVE STEPS OR LADDER BARS, NUMBER & LOCATION TO BE AS DIRECTED BY THE ENGINEER.

NOTE: ALL BARS IN PLAN VIEW ARE SPACED AT 6" O.C.

NOTE: FOR PLAN DETAIL OF REINFORCING STEEL IN TOP PORTION OF SLAB, SEE PART PLAN AT TOP RIGHT.



ELEVATION



SCALE 1" = 1'

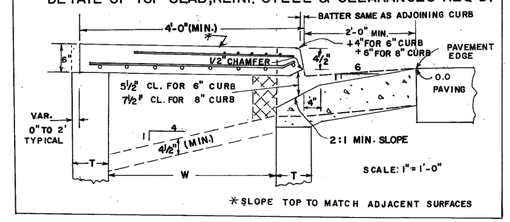
DETAIL OF LADDER BARS

NOTE: M.H. STEPS LISTED IN GA. D.O.T. LABORATORY'S QUALIFIED PRODUCTS LIST MAY BE SUBSTITUTED.

ARRANGEMENT OF LADDER BARS

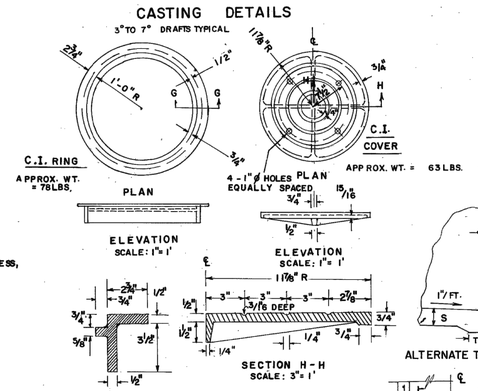
W OR W1 (MAX.)	BOTTOM SLAB MATERIALS	S
TO 4'-6"	NON-REINF. CONCRETE	6"
	OR BRICK	8"
OVER 4'-6"	CONC. REINF. W1 #4 BARS 12" O.C. BOTH WAYS 2" CL FROM SLAB TOP	8"

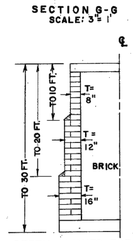
DETAIL OF TOP SLAB, REINF. STEEL & CLEARANCES REQ'D.



CASTING DETAILS

3° TO 7° DRAFTS TYPICAL





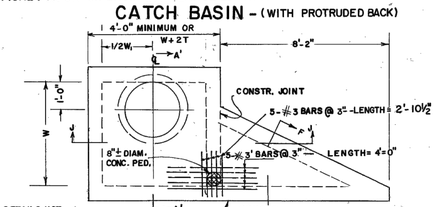
DEPTH LIMITS FOR INCREASING T

PIPE DIA.	H (MIN.)	W or W1	ΔE (MIN.)
12	4'- 4"	3'-0"	3'-3"
15	4'- 7"	3'-0"	3'-6"
18	4'-10"	3'-0"	3'-9"
24	5'- 6"	3'-0"	4'-4"
30	6'- 2"	3'-7"	5'-0"
36	6'-10"	4'-6"	5'- 7"
42	7'- 4"	5'-3"	5'-11"
48	8'- 0"	6'-0"	6'-6"
54	8'- 6"	6'-8"	7'-0"
60	9'- 2"	7'-4"	7'- 7"

NOTE: THE MIN. R & MIN. ΔE GIVEN IN ABOVE TABLE ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONC. PIPE AND MAY BE VARIED IF CONDITIONS PERMIT WITH VARIED DIMENSIONS SPECIFIED IN THE PLANS OR DIRECTED BY THE ENGINEER. W, & W. DIMENSIONS DO NOT HAVE TO BE EQUAL.

(TYPICAL FOR CATCH BASIN WITH LARGE LONGITUDINAL PIPE OR RECESSED BOX)

CATCH BASIN - (WITH PROTRUDED BACK)

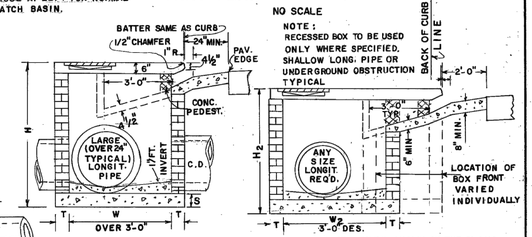


PART PLAN

NOTE: CATCH BASIN DETAILS NOT SHOWN HERE WILL BE SIMILAR TO THOSE AT LEFT FOR NORMAL CATCH BASIN.

NO SCALE

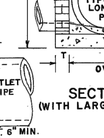
NOTE: RECESSED BOX TO BE USED ONLY WHERE SPECIFIED. SHALLOW LONG. PIPE OR UNDERGROUND OBSTRUCTION TYPICAL



NOTE: H_2 & W_2 TO BE SHOWN IN THE PLANS

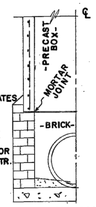
SECTION A'-A' (WITH LARGE LONGITUDINAL PIPE)

SECTION A-A' (WITH RECESSED BOX)



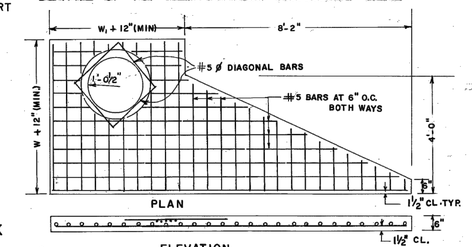
ALTERNATE TO INVERT

NOTE: SEE SEPARATE STDS. FOR PRECAST ALTERNATES. ADAPTERS (STD. 1040) WILL BE REQUIRED WITH CIRCULAR PRE-CAST UNITS. PRECAST BOX, CIRCULAR, AND/OR BUILT-IN-PLACE CONSTR. MAY BE USED IN COMBINATIONS.



PRECAST BOX ON BRICK (HALF-SECTION)

DETAIL OF TOP REINFORCED CONCRETE SLAB

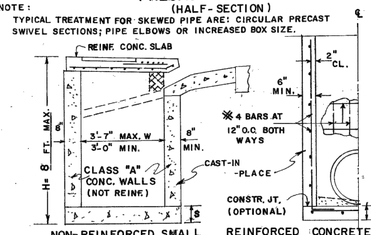


PLAN

ELEVATION

NOTE: PIPE SIZES, NUMBER, ALIGNMENT, AND INVERT SHOWN ARE ILLUSTRATIVE. SEE PLANS FOR SPECIFICS. INVERTS TO BE FORMED WITH GROUT OR CONCRETE AS DIRECTED BY THE ENGINEER OR AS SHOWN IN THE PLANS.

NOTE: TYPICAL TREATMENT FOR SKEWED PIPE ARE: CIRCULAR PRECAST SWIVEL SECTIONS; PIPE ELBOWS OR INCREASED BOX SIZE.



NON-REINFORCED SMALL BASIN (W1 NOT OVER 3'-7")

REINFORCED CONCRETE (HALF-SECTION)

CONSTRUCTION ALTERNATES

NOTE: DETAILS NOT SHOWN ABOVE FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO BRICK CATCH BASIN DETAILS.

SEE SEPARATE STANDARDS FOR PRECAST ALTERNATES.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA			

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CATCH BASINS

FOR USE WITH CURB (6" HT. OR 8" HT.) & GUTTER

SCALE AS SHOWN — RED. & REDR. AUGUST, 1982

REV. & REDR. RMJ
TRA. GME
CHK. RKC

(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) STATE HIGHWAY ENGINEER

NUMBER 1033D

FORM EF3

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Augusta, GA 30901
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www.benesch.com

REV. NO.	DATE	REVISION BLOCK DESCRIPTION

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

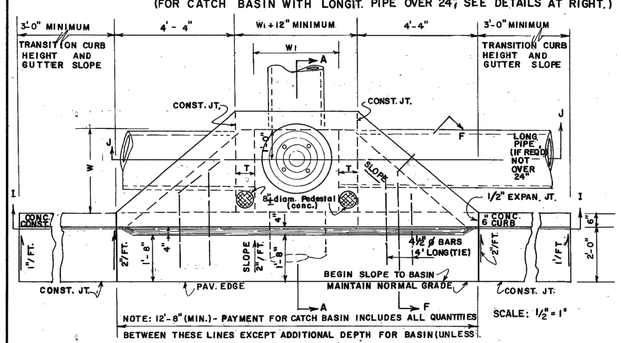
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-010

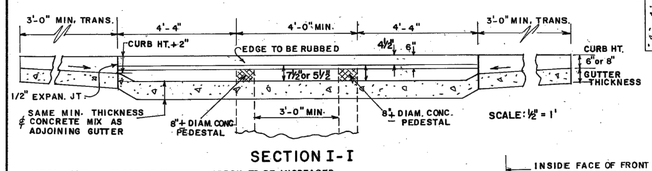
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CATCH BASIN

(FOR CATCH BASIN WITH LONGIT. PIPE OVER 24", SEE DETAILS AT RIGHT.)

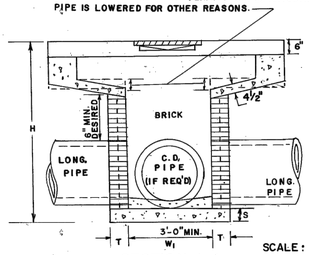


NOTE: 12'-8" (MIN.) - PAYMENT FOR CATCH BASIN INCLUDES ALL QUANTITIES BETWEEN THESE LINES EXCEPT ADDITIONAL DEPTH FOR BASIN (UNLESS OTHERWISE NOTED IN THE PLANS)



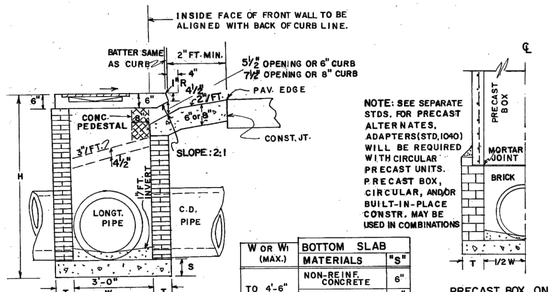
SECTION I-I

NOTE: NORMAL SLOPE OF CONCRETE APRON TO BE INCREASED UP TO 8" TOTAL WHERE "H" PERMITS AND LONGITUDINAL PIPE IS LOWERED FOR OTHER REASONS.



SECTION J-J

NOTE: PIPE SIZES, NUMBER, ALIGNMENT AND INVERTS SHOWN ARE ILLUSTRATIVE. SEE PLANS FOR SPECIFICS. INVERTS TO BE FORMED WITH GROUT OR CONC. AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



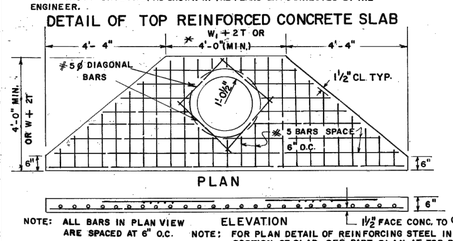
SECTION A-A

NOTE: SEE SEPARATE STDS. FOR PRECAST ALTERNATES, ADAPTERS (STD. 1040) WILL BE REQUIRED WITH CIRCULAR PRECAST UNITS. PRECAST BOX, CIRCULAR, AND/OR BUILT-IN-PLACE CONSTR. MAY BE USED IN COMBINATIONS

PRECAST BOX ON BRICK (HALF-SECTION)

W or W1 (MAX.)	BOTTOM SLAB MATERIALS	"S"
TO 4'-6"	NON-REINF. CONCRETE	6"
	OR BRICK	8"
OVER 4'-6"	CONC. REINF. W1 4 BARS 12" O.C. BOTH WAYS 2" CL. FROM SLAB TOP	8"

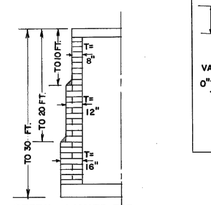
DETAIL OF TOP REINFORCED CONCRETE SLAB



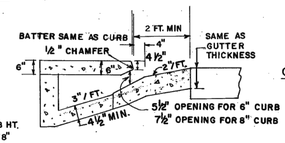
NOTE: ALL BARS IN PLAN VIEW ARE SPACED AT 6" O.C.

NOTE: FOR PLAN DETAIL OF REINFORCING STEEL IN TOP PORTION OF SLAB, SEE PART PLAN AT TOP RIGHT.

NOTE: TOP SLAB MAY BE CAST IN PLACE OR PRECAST. IF CAST IN PLACE, BUILDER'S PAPER IS TO BE PLACED BETWEEN THE CATCH BASIN AND TOP SLAB.

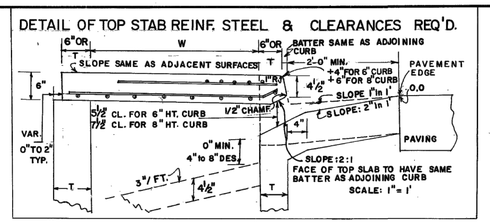


DEPTH LIMITS FOR INCREASING "T"



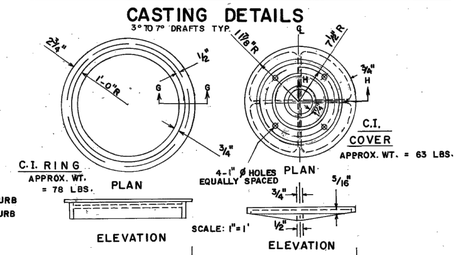
SECTION F-F

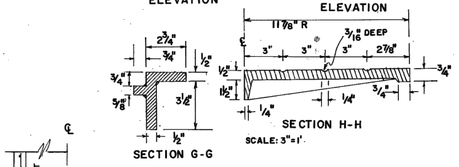
DETAIL OF TOP STAB REINF. STEEL & CLEARANCES REQ'D.



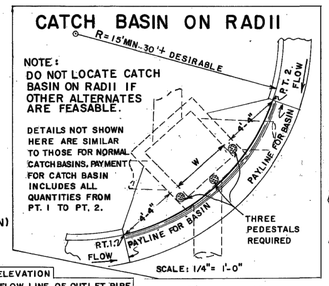
CASTING DETAILS

3" TO 7" DRAFTS TYP.



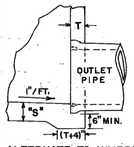


CATCH BASIN ON RADII



NOTE: DO NOT LOCATE CATCH BASIN ON RADII IF OTHER ALTERNATES ARE FEASABLE.

DETAILS NOT SHOWN HERE ARE SIMILAR TO THOSE FOR NORMAL CATCH BASINS. PAYMENT FOR CATCH BASIN INCLUDES ALL QUANTITIES FROM PT. 1 TO PT. 2.

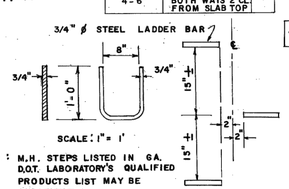


ALTERNATE TO INVERT

▲E = MINIMUM DIFFERENCE IN ELEVATION FROM PAVEMENT EDGE TO FLOW LINE OF OUTLET PIPE.

TYPICAL MIN. DIMENSIONS			
PIPE DIA.	H (MIN.)	W or W1	MIN. ▲E
12	4'-4"	3'-0"	3'-3"
15	4'-7"	3'-0"	3'-6"
18	4'-10"	3'-0"	3'-9"
24	5'-6"	3'-0"	4'-4"
30	6'-2"	3'-7"	5'-0"
36	6'-10"	4'-6"	5'-7"
42	7'-4"	5'-3"	5'-11"
48	8'-0"	6'-0"	6'-6"
56	8'-6"	6'-8"	7'-0"
60	9'-2"	7'-4"	7'-7"

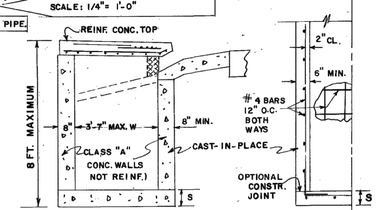
NOTE: THE MIN. H & MIN. ▲E GIVEN IN ABOVE TABLE ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONC. PIPE AND MAY BE VARIED, IF CONDITIONS PERMIT WITH VARIED DIMENSIONS SPECIFIED IN THE PLANS OR DIRECTED BY THE ENGINEER. W & W1 DIMENSIONS DO NOT HAVE TO BE EQUAL.



NOTE: M.H. STEPS LISTED IN GA. D.O.T. LABORATORY'S QUALIFIED PRODUCTS LIST MAY BE SUBSTITUTED.

ALL CATCH BASINS WILL HAVE STEPS OR LADDER BARS. NUMBER & LOCATION TO BE AS DIRECTED BY THE ENGINEER.

DETAIL OF LADDER BARS



NON REINFORCED SMALL BASIN (W1 NOT OVER 3'-7")

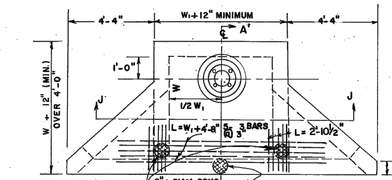
REINFORCED CONC. HALF-SECTION

NOTE: DETAILS NOT SHOWN ABOVE FOR CONSTRUCTION ALTERNATES WILL BE SIMILAR TO BRICK CATCH BASIN DETAILS.

CONSTRUCTION ALTERNATES

CATCH BASIN (WITH PROTUDED BACK)

FOR USE WITH LONGITUDINAL PIPE OVER 24" OR FOR USE WITH RECESSED BOX

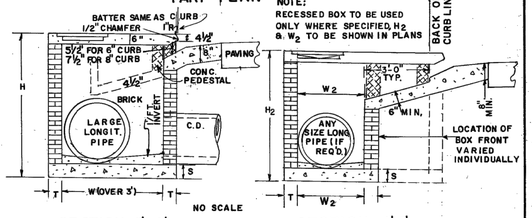


NO SCALE

NOTE: DETAILS NOT SHOWN HERE WILL BE SIMILAR TO THOSE AT FAR LEFT FOR NORMAL CATCH BASINS.

PART PLAN

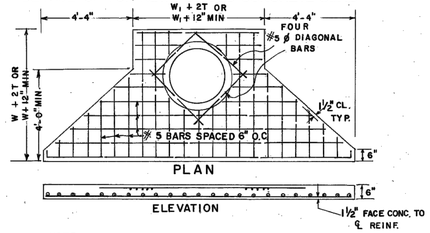
NOTE: RECESSED BOX TO BE USED ONLY WHERE SPECIFIED, H2 & W2 TO BE SHOWN IN PLANS



SECTION A'-A' (FOR LONGIT. PIPE OVER 24")

SECTION A'-A' (FOR RECESSED BOX)

DETAIL OF TOP REINFORCED CONCRETE SLAB



NOTE: TYPICAL TREATMENT FOR SKEWED PIPES ARE: CIRCULAR PRECAST UNITS; PRECAST SWIVEL SECTIONS; PIPE ELBOWS OR INCREASED BOX SIZES TO ACCOMODATE THE SKEWS.

SEE SEPARATE STANDARDS FOR PRECAST ALTERNATES.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CATCH BASINS
FOR USE WITH CURB (6" OR 8" HT.) & GUTTER (IN SAGS OR LOW POINTS)

SCALE AS SHOWN — REV. & RED. AUGUST, 1982

REV. & REDR. R.M.U. — TRA. G.M.E. — CHK. R.K.C.

(SUBMITTED) Floyd A. Hardy — STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) Thomas D. Wilson — STATE HIGHWAY ENGINEER

NUMBER 1034D

FORM EF3

AP 21868

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www.benesch.com

REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32881 PROFESSIONAL ENGINEER VICTOR A. CONOVER

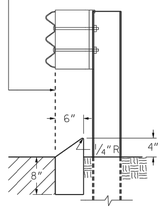
SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-011

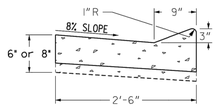
FACE OF CURB MUST ALIGN WITH BACK EDGE OF GUARDRAIL AND THE FACE OF THE OFFSET BLOCK.



TYPE 8

TYPE 8 HEADER CURB IS USED IN CONJUNCTION WITH GUARDRAIL CONNECTIONS TO CONCRETE BARRIER AS NOTED ON GA. STD. 4382.

RAISED EDGE WITH CONCRETE GUTTER



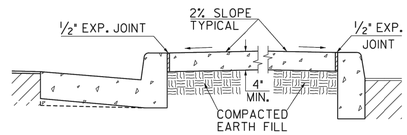
RAISED EDGE TO BE CONSTRUCTED WITH SAME CONCRETE MIX AS THE GUTTER AND SHALL BE FORMED MONOLITHIC WITH GUTTER. JOINTS IN RAISED EDGE SHALL MATCH THOSE IN THE GUTTER.

NOTE:
IF CONCRETE MEDIAN INTERCEPTS PEDESTRIAN CROSSWALKS, WHEELCHAIR RAMPS (CONSTRUCTION DETAIL A-3 AND A-4) WILL BE REQUIRED.

GDOT Georgia Department of Transportation — P. I. Number

CONCRETE MEDIAN (Between Curbs)

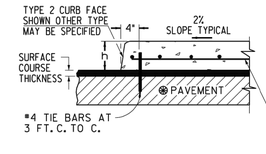
NOTE: CURB TYPES SHOWN ARE TYPICAL. OTHER TYPES MAY BE SPECIFIED.



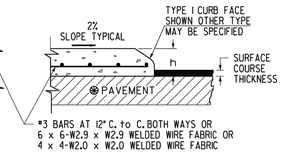
NOTE:
WIDTH OF CONCRETE MEDIAN WILL BE AS SHOWN IN PLANS

CONCRETE MEDIANS (Integral)

-WITH TIE BARS-



-WITHOUT TIE BARS-

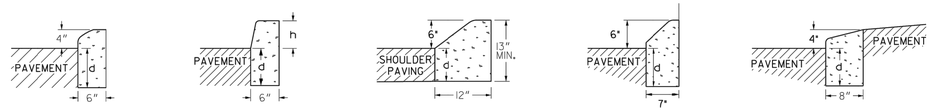


NOTE:
IF FINAL SURFACE COURSE IS PRESENT OR MUST BE INSTALLED BEFORE THE CONCRETE MEDIAN CAN BE INSTALLED, THEN DOWELED IN CONCRETE MEDIAN IS REQUIRED.

CURB TYPE	h	d
1	4"	6" min.
2	6"	8" min.
3	8"	10" min.
4	10"	12" min.
6	6"	7" min.
7	6"	8" min.
9	4"	8" min.

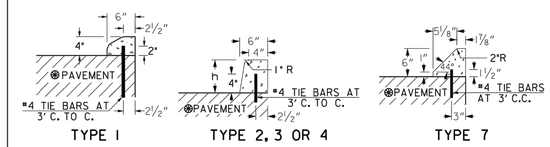
THE DIMENSION d MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVEMENT TYPICAL SECTION.

CONCRETE HEADER CURBS

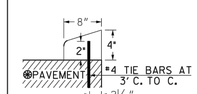


TYPE 1 — TYPE 2, 3 OR 4 — TYPE 6 — TYPE 7 — TYPE 9 TRUCK APRON IN ROUNDABOUTS

CONCRETE DOWELED INTEGRAL CURBS



TYPE 1 — TYPE 2, 3 OR 4 — TYPE 7



TYPE 9

NOTES:
1. CONCRETE CURB CAN BE INSTALLED AFTER INTIAL SET AS LONG AS TIE BARS ARE DRILLED INTO UNDERLAYING CONCRETE PAVEMENT.
2. CONCRETE CURB CAN BE INSTALLED BEFORE INITIAL SET WITH DOWELS THAT ARE DRIVEN INTO UNDERLYING CONCRETE PAVMENT.
3. JOINTS IN CURB AND CONCRETE MEDIAN WILL MATCH THOSE IN THE CONCRETE PAVEMENT.
4. ALL TYPES OF CONCRETE CURB CAN BE PLACED ON ASPHALT PAVEMENTS WHERE TIE BARS MAY BE EITHER DRIVEN OR DRILLED INTO THE UNDERLYING PAVEMENT. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN CURB OR CONCRETE MEDAIN AT 20 FT. SPACING.

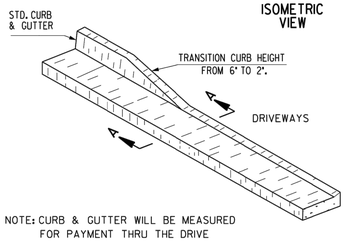
NOTE:
TIE BARS FOR DOWELED CURBS MAY BE UNCOATED PLAIN OR DEFORMED BILLET-STEEL BARS (GRADE 40) AS USED FOR CONCRETE REINFORCEMENT. (AASHTO M-31)

MINIMUM TIE BAR LENGTHS (FOR CONC. DOWELED CURBS OR CONC. MEDIAN)

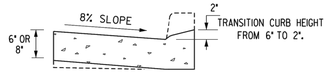
CURB TYPE	P.C. CONC. PAV.	ASPHALT PAV.
1	6"	8"
2, 3 or 4	8"	12"
7	6"	8"
9	6"	8"

DETAILS OF RECESSED CURB FOR DRIVEWAYS

ISOMETRIC VIEW



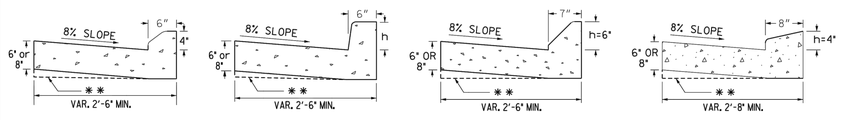
NOTE: CURB & GUTTER WILL BE MEASURED FOR PAYMENT THRU THE DRIVE



SECTIONAL VIEW
SECTION A-A

(SEE SEPARATE CONSTRUCTION DETAILS FOR DRIVEWAYS)

CONCRETE CURB & GUTTER

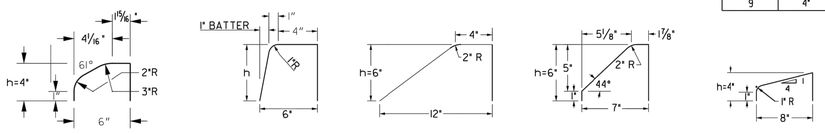


TYPE 1 — TYPE 2, 3 OR 4 — TYPE 7 — TYPE 9

** AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT.

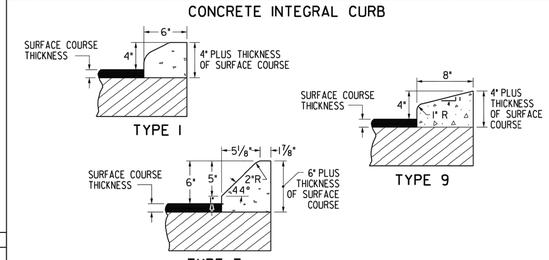
CURB FACE DESIGN

TYPE	h
1	4"
2	6"
3	8"
4	10"
6	6"
7	6"
9	4"



TYPE 1 — TYPE 2, 3 OR 4 — TYPE 6 — TYPE 7 — TYPE 9

CONCRETE INTEGRAL CURB



TYPE 1 — TYPE 9 — TYPE 7

REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

DATE	REVISION	BY
01-25-21	REV TP 1 C.F.D. RADIUS DIMS FROM GR. LEVEL TO RADIUS	HAC
	REV. TYP. 1 C.F.D. TYP. 8 OFFSET BLOCK & TYP. 9 CULC	
02-10-20	ADDED TYP 9 CURB & GUTTER	JAHR
11-15-11	REV. TYPE 9 CURB DETAIL	
	& REV. OVERALL LAYOUT	TC
1-27-11	REV. MEDIAN NOTE AND	
	ADDED TYPE 9 CURB DETAIL	GLO
3-03	ADDED TYPE 9 DETAIL	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CONCRETE CURB & GUTTER
CONCRETE CURBS, CONCRETE MEDIANS

NOT TO SCALE — OCT. 2011

DES. ___ DRW. ___ TRA. ___ CHK. ___

(SUBMITTED) STATE DESIGN POLICY ENGINEER
(APPROVED) CHIEF ENGINEER

NUMBER 9032B

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GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION

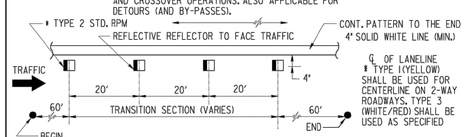
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-012

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

TEMPORARY RAISED PAVEMENT MARKER DETAIL

INSTALLATION PATTERN FOR LATERAL MAINLINE SHIFTS AND CROSSOVER OPERATIONS. ALSO APPLICABLE FOR DETOURS (AND BY-PASSES).



PAVEMENT MARKER INSTALLATION SHALL BEGIN 60 FEET IN ADVANCE OF BEGINNING OF THE SHIFT OR TRANSITION ALIGNMENT, CONTINUE THRU THE TRANSITION AREA, & EXTEND 60 FEET BEYOND THE INTERSECTION WITH THE TEMPORARY ALIGNMENT. TEMPORARY RAISED PAVEMENT MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND THE GA. STD. SPECIFICATIONS.

STANDARD LEGEND

- STRIPED DRUM
- TYPE III BARRICADES
- SPECIAL BARRICADE WITH BI-DIRECTIONAL, TYPE "C" STEADY BURNING LIGHT OR HIGHWAY SIGN AS SPECIFIED (SEE DETAIL)
- SEQUENTIAL OR FLASHING ARROW
- PORTABLE CHANGEABLE MESSAGE SIGN
- PERMANENT TYPE POST MOUNTED SIGN
- TEMPORARY POST MOUNTED SIGN
- PORTABLE MOUNTED SIGN - FLAGS NOT REQUIRED
- WORK AREA
- TRAFFIC CONE - 28" MIN. - (DAYTIME USE ONLY)
- FLAGGER WITH STOP-SLOW PADDLE
- TRAFFIC IMPACT ATTENUATOR (CRASH CUSHION)
- TYPE I CLEAR (WHITE) DELINEATOR - SINGLE FACE
- TYPE I YELLOW DELINEATOR - SINGLE FACE
- TYPE I CLEAR (WHITE) DELINEATOR DOUBLE FACE
- TYPE I YELLOW DELINEATOR DOUBLE FACE

GENERAL NOTES :

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MUTCD; THE GEORGIA STANDARD SPECIFICATIONS, AND/OR SPECIAL PROVISIONS. (SEE SECTION 150)
2. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN, OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
3. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF 1FOOT ABOVE THE LEVEL OF PAVEMENT EDGE FOR DIRECTIONAL TRAFFIC OF TWO (2) LANES OR LESS AND A MINIMUM OF 7 FEET FOR DIRECTIONAL OF THREE (3) OR MORE LANES. ALL PORTABLE SIGNS AND SIGN MOUNTING DEVICES UTILIZED IN THE WORK SHALL BE NCHRP 350 COMPLIANT. PORTABLE SIGNS MAY BE USED WHEN THE DURATION OF THE WORK IS LESS THAN 3 DAYS.
4. WHEN THE CONSTRUCTION AREA HAS ENTRANCE/EXIT RAMPS OR INTERSECTIONS, WORK WILL BE PERFORMED IN SUCH A MANNER TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INCONVENIENCE AS POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNING SHALL BE INSTALLED, AS REQUIRED, TO ALLOW TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. WHEN ENTRANCE RAMPS/INTERSECTIONS ARE INOPERABLE, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROHIBIT MOVEMENT INTO THE PROJECT AT THAT POINT UNTIL CONSTRUCTION HAS CLEARED THE RESTRICTION SUFFICIENT TO RETURN TO OPERATIONAL STATUS.
5. FOR NIGHT TIME OPERATIONS, DRUMS SHALL HAVE, FOR THE LENGTH OF THE TAPER ONLY, A SIX (6") INCH ORANGE REFLECTIZED TOP STRIPE ON EACH DRUM IN THE TAPER AS REQUIRED IN SECTION 150. SPACING OF DEVICES SHALL BE AS SHOWN. DURING DAYLIGHT HOURS, CONES (28" MIN.) MAY BE USED IN ADVANCE OF AND THROUGHOUT WORK AREA.
6. SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS BUT MUST BE WITHIN THE LIMITATIONS SET FORTH IN THE MUTCD.
7. A PORTABLE SELF-SUSTAINED SEQUENTIAL OR FLASHING ARROW SIGN SHALL BE USED AT THE BEGINNING OF EACH LANE CLOSURE ON MULTI-LANE HIGHWAYS. ARROW PANELS SHALL NOT BE USED ON TWO-LANE TWO-WAY HIGHWAYS EXCEPT IN CAUTION MODE.
8. WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED FROM THE TRAVELWAY SO THAT THE MESSAGE IS NOT VISIBLE TO THE MOTORIST. INTERIM SIGNS THAT ARE PERMANENTLY MOUNTED SHALL BE COVERED WHEN NOT APPLICABLE. SEE SECTION 150.
9. PROJECT SIGNS W20-1, G20-1 & G20-2 FOR THIS PROJECT SHALL BE COORDINATED WITH ADJACENT CONSTRUCTION PROJECTS. ONLY ONE SET OF SIGNS IS REQUIRED IN EACH DIRECTION FOR THE TOTAL LENGTH OF ALL PROJECTS- AT THE BEGINNING OF THE FIRST PROJECT AND AT THE ENDING OF THE LAST PROJECT. ADVANCE CONSTRUCTION SIGNS ARE NOT REQUIRED ON INTERMEDIATE PROJECTS. UNLESS CONSTRUCTION ON THE ADJACENT PROJECTS IS COMPLETED BEFOREHAND, THEN PROJECT CONSTRUCTION SIGNS WILL BE ADDED AS NECESSARY.
10. ALL THE COST OF THE MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL SECTION 150, LUMP SUM, WHEN SHOWN AS A PAYMENT ITEM IN THE PROPOSAL. OTHERWISE, ALL THE COST WILL BE INCLUDED IN THE OVER-ALL BID SUBMITTED, EXCEPT ON CERTAIN PROJECTS SOME ITEMS MAY BE PAID FOR SEPARATELY BY THE UNIT WHEN SPECIFIED ON THE PLANS AND IN THE PROPOSAL.
11. FOR FREEWAY CONSTRUCTION THE CONTRACTOR SHALL ARRANGE HIS WORK SO THAT THERE IS AN EXIT GORE SIGN AND AN EXIT DIRECTION SIGN IN PLACE FOR ALL EXIT RAMPS AT ALL TIMES.
12. ALL CROSSROADS, SIDEROADS, RAMPS OR OTHER ENTRANCES TO MAINLINE CONSTRUCTION SHALL REQUIRE W20-1 SIGNS LOCATED AS SHOWN IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
13. MARKINGS AND/OR SIGNS IN CONFLICT WITH INTERIM TRAFFIC CONTROL SHALL BE REMOVED, RELOCATED OR COVERED; APPLICABLE EXISTING AND INTERIM MARKINGS AND/OR SIGNING SHALL BE MAINTAINED PER SECTION 150.
14. ANY CHANNELIZING DEVICES (DRUMS OR BARRICADES) IN CONFLICT WITH CONCRETE BARRIERS SHALL BE OMITTED.
15. CONTRACTOR SHALL PROVIDE THE NECESSARY TRAFFIC CONTROL DURING THE TIE-IN OPERATION.
16. THE TRAFFIC CONTROL DEVICES SHOWN FOR ANY STAGE CONSTRUCTION SHALL REMAIN IN PLACE AND BE UTILIZED SO LONG AS NECESSARY FOR THE FOLLOWING STAGES AND SHALL BE REMOVED IMMEDIATELY WHEN NO LONGER REQUIRED. THE DEVICES MAY OR MAY NOT BE SHOWN ON THE PLANS FOR THESE FOLLOWING STAGES. REFER TO THE PLAN SHEET FOR THE INITIAL STAGE FOR THESE TRAFFIC CONTROLS.
17. EXISTING GUIDE SIGNS SHALL REMAIN IN PLACE SO LONG AS THEY DO NOT CONFLICT WITH THE CONSTRUCTION OF THIS PROJECT. WHEN IN CONFLICT, THEY SHALL BE RELOCATED ON TEMPORARY POSTS AT THE LOCATION AS DIRECTED BY THE ENGINEER. ANY DISTANCE SHOWN ON THE SIGN SHALL BE ADJUSTED ACCORDINGLY. IF THE SIGNS CANNOT BE RELOCATED, THEN THE SIGN SHALL BE REMOVED AND STORED AT A PLACE DESIGNATED BY THE ENGINEER. IF NEITHER OF THE ABOVE CAN BE DONE, THEN THE CONTRACTOR SHALL PROVIDE INTERIM GUIDE SIGNS AS COVERED IN SECTION 150.
18. (a) ON PROJECTS WITH LOW OR SOFT SHOULDERS, THE CONTRACTOR SHALL ERECT IMMEDIATELY AHEAD OF CONSTRUCTION OPERATIONS "LOW/SOFT SHOULDER" WARNING SIGNS AT THE PROJECT TERMINII, AT INTERVALS NOT TO EXCEED 1 MILE AND IMMEDIATELY PAST EACH CROSSROAD.

    (b) WHERE THE CONTRACTOR IS NOT RESPONSIBLE FOR SHOULDER CONSTRUCTION, THE DEPARTMENT WILL FURNISH THESE SIGNS FOR THE CONTRACTOR TO PICK UP, TRANSPORT, AND ERECT. THE DEPARTMENT WILL LATER REMOVE AND RETAIN THE SIGNS.

REV. NO.	DATE	REVISION	DESCRIPTION
GLO	3-30-06	REVISED GENERAL NOTES AND LEGEND, DELETED TWO DETAILS.	
	4-24-01	SPEC. BAR. SH. SPEC.	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
TRAFFIC CONTROL
GENERAL NOTES, STANDARD LEGEND, MISCELLANEOUS DETAILS

NO SCALE — AUG., 1999

BY: DES. ____ DRW. ____ TRA. ____ CHK. ____

(SUBMITTED) STATE ROAD & AIRPORT DESIGN ENGINEER
(APPROVED) CHIEF ENGINEER

NUMBER 9100

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ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

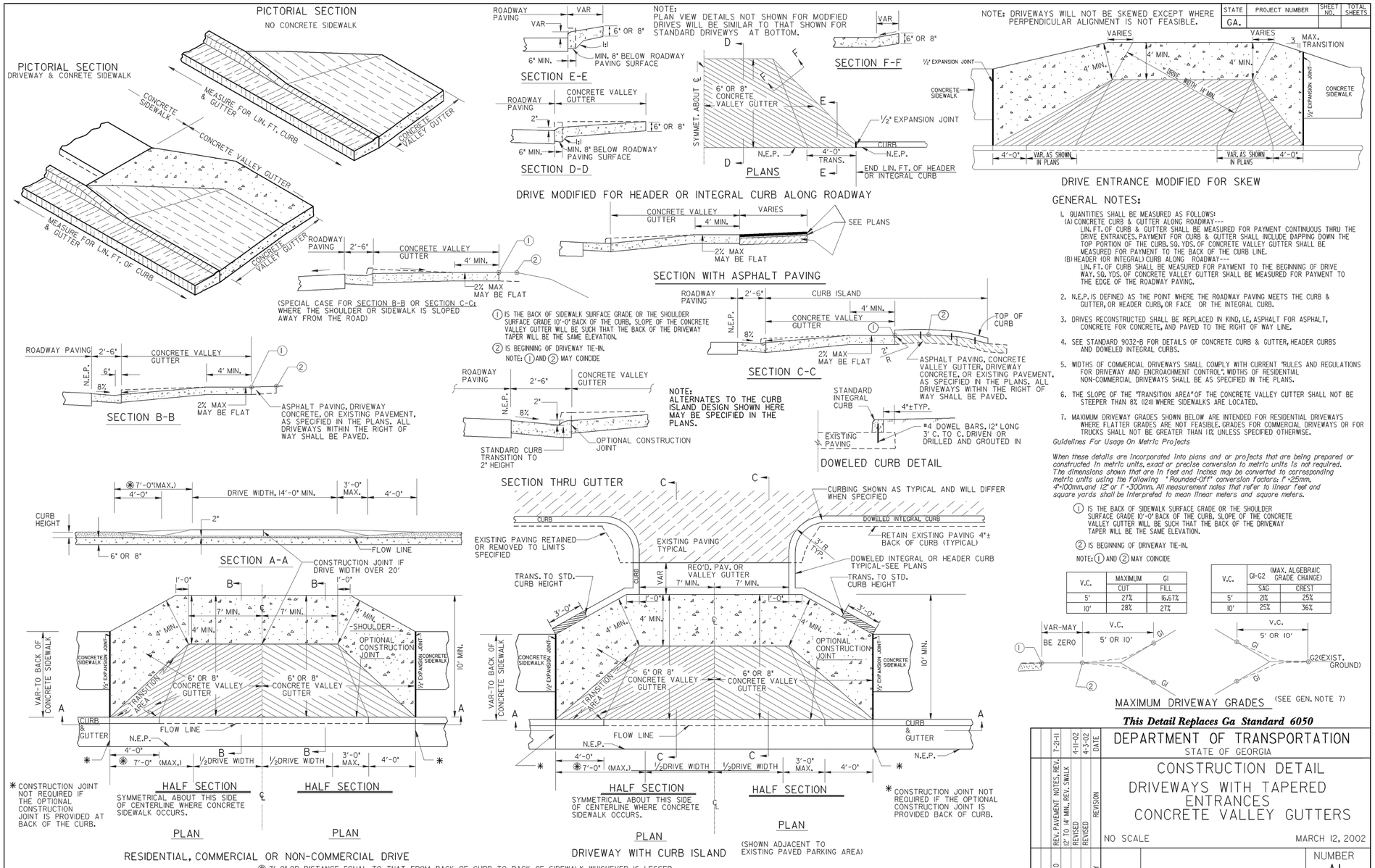
SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-013

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



GENERAL NOTES:

1. QUANTITIES SHALL BE MEASURED AS FOLLOWS:
   (A) CONCRETE CURB & GUTTER ALONG ROADWAY---
   LIN. FT. OF CURB & GUTTER SHALL BE MEASURED FOR PAYMENT CONTINUOUS THRU THE DRIVE ENTRANCES. PAYMENT FOR CURB & GUTTER SHALL INCLUDE DAPPING DOWN THE TOP PORTION OF THE CURB. SQ. YDS. OF CONCRETE VALLEY GUTTER SHALL BE MEASURED FOR PAYMENT TO THE BACK OF THE CURB LINE.
   (B) HEADER (OR INTEGRAL) CURB ALONG ROADWAY---
   LIN. FT. OF CURB SHALL BE MEASURED FOR PAYMENT TO THE BEGINNING OF DRIVE WAY. SQ. YDS. OF CONCRETE VALLEY GUTTER SHALL BE MEASURED FOR PAYMENT TO THE EDGE OF THE ROADWAY PAVING.
2. N.E.P. IS DEFINED AS THE POINT WHERE THE ROADWAY PAVING MEETS THE CURB & GUTTER, OR HEADER CURB, OR FACE OR THE INTEGRAL CURB.
3. DRIVES RECONSTRUCTED SHALL BE REPLACED IN KIND, I.E, ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND PAVED TO THE RIGHT OF WAY LINE.
4. SEE STANDARD 9032-B FOR DETAILS OF CONCRETE CURB & GUTTER, HEADER CURBS AND DOWELED INTEGRAL CURBS.
5. WIDTHS OF COMMERCIAL DRIVEWAYS SHALL COMPLY WITH CURRENT "RULES AND REGULATIONS FOR DRIVEWAY AND ENCROACHMENT CONTROL". WIDTHS OF RESIDENTIAL NON-COMMERCIAL DRIVEWAYS SHALL BE AS SPECIFIED IN THE PLANS.
6. THE SLOPE OF THE "TRANSITION AREA" OF THE CONCRETE VALLEY GUTTER SHALL NOT BE STEEPER THAN 8% (12:1) WHERE SIDEWALKS ARE LOCATED.
7. MAXIMUM DRIVEWAY GRADES SHOWN BELOW ARE INTENDED FOR RESIDENTIAL DRIVEWAYS WHERE FLATTER GRADES ARE NOT FEASIBLE. GRADES FOR COMMERCIAL DRIVEWAYS OR FOR TRUCKS SHALL NOT BE GREATER THAN 12% UNLESS SPECIFIED OTHERWISE.

Guidelines For Usage On Metric Projects

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① IS THE BACK OF SIDEWALK SURFACE GRADE OR THE SHOULDER SURFACE GRADE 10'-0" BACK OF THE CURB, SLOPE OF THE CONCRETE VALLEY GUTTER WILL BE SUCH THAT THE BACK OF THE DRIVEWAY TAPER WILL BE THE SAME ELEVATION.

② IS BEGINNING OF DRIVEWAY TIE-IN.

NOTE: ① AND ② MAY COINCIDE

V.C.	MAXIMUM GI	
	CUT	FILL
5'	27%	16.67%
10'	28%	27%

V.C.	GI-G2 (MAX. ALGEBRAIC GRADE CHANGE)	
	SAG	CREST
5'	21%	25%
10'	25%	36%

MAXIMUM DRIVEWAY GRADES (SEE GEN. NOTE 7)

This Detail Replaces Ga Standard 6050

REV. NO.	DATE	DESCRIPTION
GLO	7-21-11	REV. PAVEMENT NOTES, REV. 12' TO 14' MIN., REV. SWALK.
	4-1-02	REVISED
	4-3-02	REVISED
BY	DATE	REVISION

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL
DRIVEWAYS WITH TAPERED ENTRANCES
CONCRETE VALLEY GUTTERS

NO SCALE — MARCH 12, 2002

NUMBER A1

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REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
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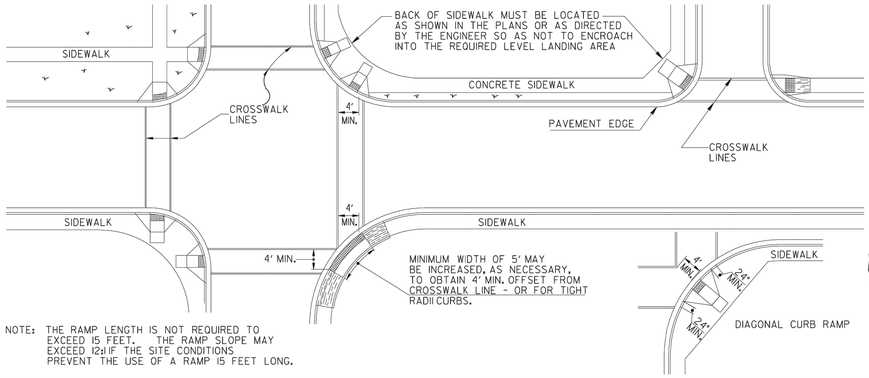
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-014

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

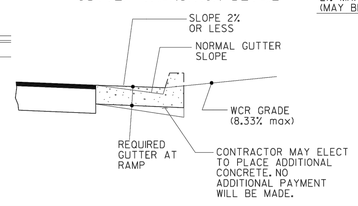
TYPICAL LOCATIONS FOR CURB CUT RAMPS - PLAN VIEW



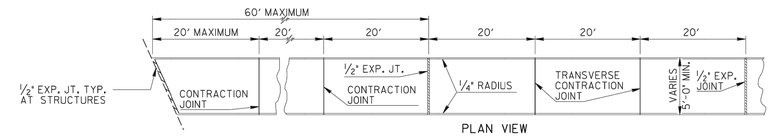
NOTE: THE RAMP LENGTH IS NOT REQUIRED TO EXCEED 15 FEET. THE RAMP SLOPE MAY EXCEED 12:1 IF THE SITE CONDITIONS PREVENT THE USE OF A RAMP 15 FEET LONG.

DIAGONAL CURB RAMP

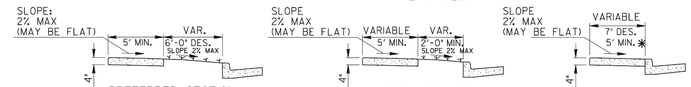
GUTTER TRANSITION DETAIL



CONCRETE SIDEWALK DETAILS



PLAN VIEW



PREFERRED SECTION WITH 6' GRASS STRIP

✱ 16' SHOULDER RECOMMENDED WITH THIS INSTALLATION

ALTERNATE SECTION WITH GRASS STRIP

ALTERNATE SECTION WITHOUT GRASS STRIP

✱5' MIN WIDTH WITH NO OBSTRUCTIONS (MAILBOXS, SIGNS,ETC)

7' PREFERRED WIDTH WITH A 2' AREA OF CONTRASTING COLOR & TEXTURE ADJACENT TO THE CURB. (COST OF TEXTURE, COLORING & HOLES REQUIRED FOR MAILBOX AND SIGN POST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK)

NOTES FOR CONCRETE SIDEWALK:

A. CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF-BRISTLE BROOMS.
B. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
C. 1/2" EXPANSION JOINTS SHALL BE PLACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

NOTES FOR CURB CUT RAMPS:

1. CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE.
   a) AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.
   b) WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR AT INTERSECTIONS.
   c) AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC.. WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.
2. RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.
3. DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.
4. WHERE RAMPS ARE LOCATED IN RADII, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.
5. WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
6. LIN. FT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMPS. SQ. YDS. OF CONCRETE SIDEWALK AND CONCRETE MEDIAN PAVING WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
7. WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT. THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.
8. DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN AADT OF 25 VPD.

This Detail Replaces Ga Standard 9031W

Guidelines For Usage On Metric Projects

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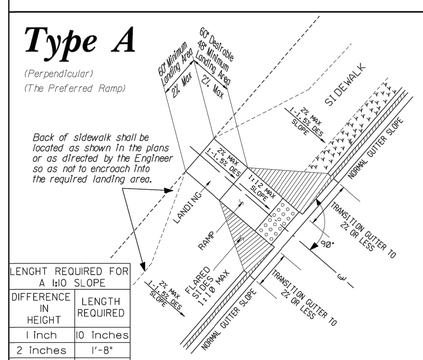
Type A

(Perpendicular)

(The Preferred Ramp)

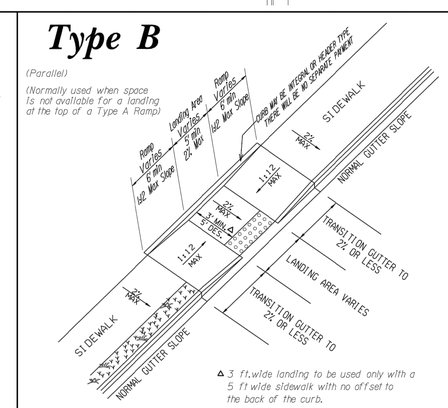


LENGHT REQUIRED FOR A 1:10 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 Inch	10 Inches
2 Inches	1'-8"
3 Inches	2'-6"
4 Inches	3'-4"
5 Inches	4'-2"
6 Inches	5 feet

Type B

(Parallel)

(Normally used when space is not available for a landing at the top of a Type A Ramp)



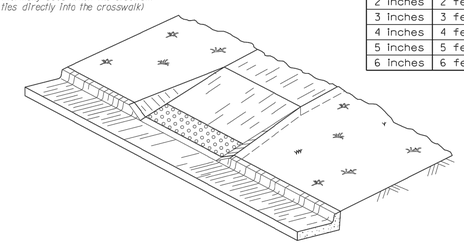
Δ 3 ft. wide landing to be used only with a 5 ft wide sidewalk with no offset to the back of the curb.

LENGHT REQUIRED FOR A 1:12 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 Inch	1 foot
2 Inches	2 feet
3 Inches	3 feet
4 Inches	4 feet
5 Inches	5 feet
6 Inches	6 feet

Type D

(Perpendicular)

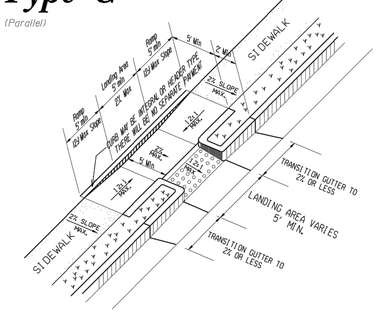
(Normally used when the sidewalk ties directly into the crosswalk)



IN AREAS WHERE THE GUTTER HAS A SLOPE 1" IN 1' END NORMAL GUTTER SLOPE AT A DISTANCE OF 6 TO 10 FEET FROM THE RAMP AND BEGIN TRANSITION TO A FLAT GUTTER SLOPE. NORMAL GUTTER SLOPE SHALL BE RESUMED AT A SIMILAR DISTANCE BEYOND THE RAMP.

Type C

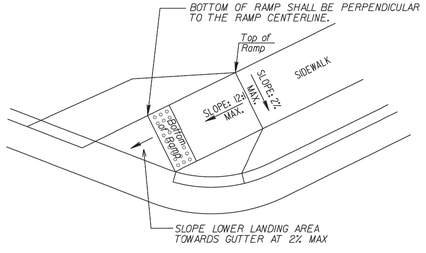
(Parallel)

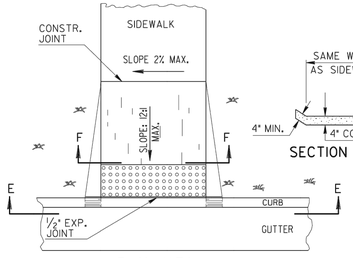


Skewed Ramp Details

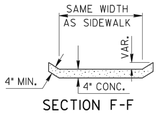
(Applies to Type A Type D Ramps Only)

WHEN THE RAMP CENTERLINE IS NOT PERPENDICULAR TO THE CURB A LEVEL LANDING AREA WITH SLOPES LESS THAN 2% MUST BE PROVIDED AT THE BOTTOM OF THE RAMP.

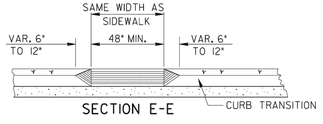




PLAN VIEW



SECTION F-F



SECTION E-E

REV. NO.	DATE	DESCRIPTION
C.B	9-15-16	ADDED PERP. OR PARALLEL
GLO	6-18-09	REV. SLOPES TO PERCENT AND ADDED 12:1 & 10:1 CHART. ADDED GEN. NOTE NO. 8.
GLO	5-10-06	REV. TRUNCATED DOMES
	2-21-03	REVISED
	2-10-03	REVISED
	1-29-02	REVISED
	5-29-02	REVISED
	5-23-02	REVISED
	5-13-02	REVISED
	4-29-02	REVISED
	4-11-02	REVISED
	4-3-02	REVISED
	3-28-02	REVISED

REVISION BLOCK

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMPS

NO SCALE MARCH 12, 2002

NUMBER A3

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GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

ATHENS-CLARKE COUNTY, GA

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

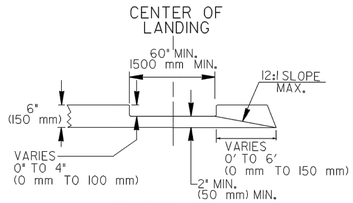
PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

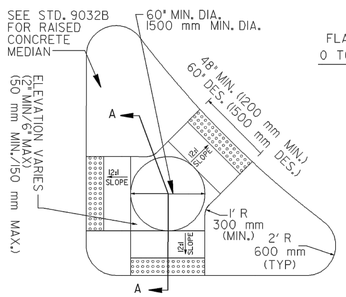
Sheet: 80-015

6/18/2009 1:42:32 PM \\GDOT-DSN1\GOPLOT\GCF\go_t1ff_output.gcf gowens V:\GARY\ada ramp details\a4.prf GO-RD6

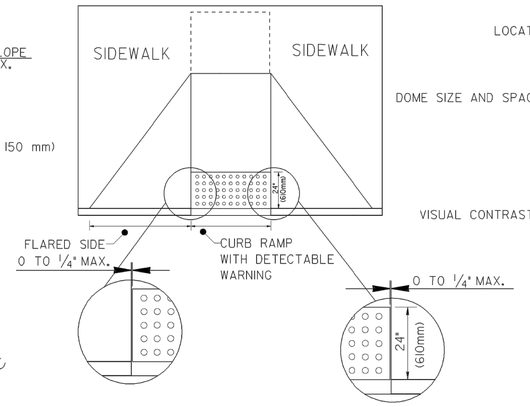
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



SECTION A-A



CONCRETE ISLAND WITH ELEVATED CUT THROUGH

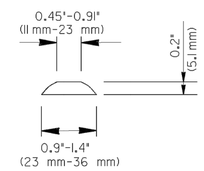


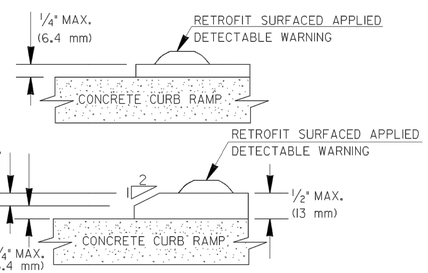
SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRAIN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

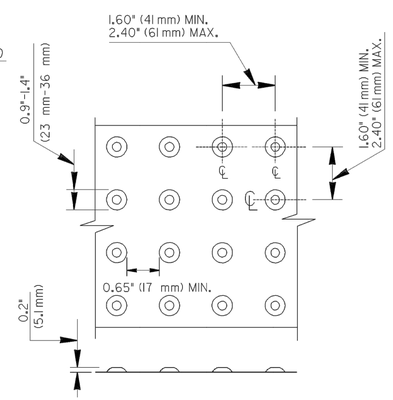
LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES (150 mm to 180mm) FROM THE CURB LINE OR OTHER POTENTIAL HAZARD, SUSH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

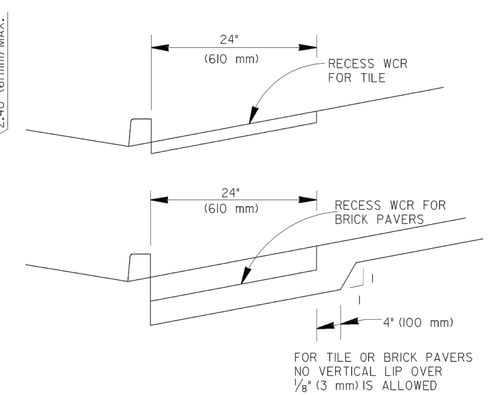
DOME SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH TO 1.4 INCH (23mm-36mm) AT THE BOTTOM, A DIAMETER OF 0.45 INCH TO 0.91 INCH (11mm-23mm) AT THE TOP, THE TOP DIAMETER SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASE DIAMENTER, A HEIGHT OF 0.2 INCH (5.1mm) AND A CENTER-TO-CENTER SPACING OF 2.40 INCHES (61mm) DESIRABLE 1.60 INCHES (41mm) MINIMUM MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT. DOMES SHALL HAVE A SQUARE ARRANGEMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

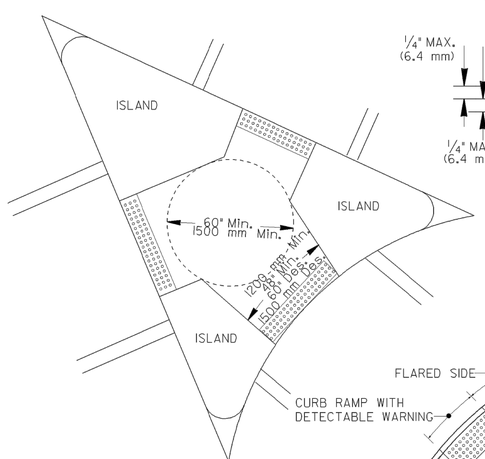
VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE VISUAL CONTRACT SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.

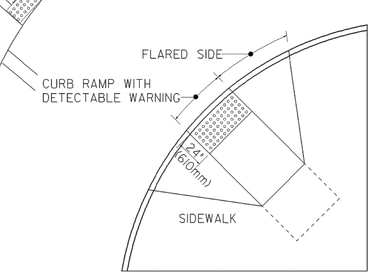




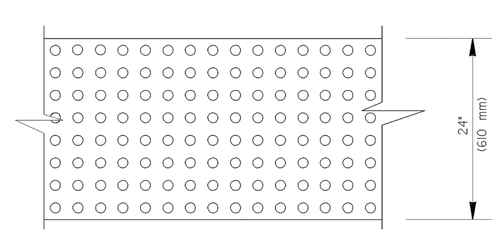








DETAIL FOR DETECTABLE WARNING AT CUT-THRU CONCRETE ISLAND



NO SEPARATE PAYMENT WILL BE MADE FOR THE DETECTABLE WARNINGS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK (OR CURB CUT RAMP IF THE ITEM IS INCLUDED IN THE PROPOSAL).

FOR CUT-THRU ISLANDS AND EXISTING RAMPS, WHERE NO SIDEWALK OR CURB CUT RAMPS ARE IN THE PROPOSAL. THE COST OF THE DETECTABLE WARINGS SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED.

MATERIALS:

NEW CONSTRUCTION

THE DETECTABLE WARNINGS SHALL BE MADE OF MATERIALS SPECIFIED ON QPL 87.

RETROFIT OF EXISTING RAMPS

SURFACED APPLIED MATERIALS WILL ONLY BE APPROVED TO BE USED ON EXISTING WHEELCHAIR RAMPS.

INSTALLATION:

BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4" THICK.

CERAMIC TILE SHALL BE EPOXIED IN PLACE OR SET IN A WET MORTAR BED. MANUFACTURER RECOMMEND ADHESIVE OR FASTENER SHALL BE USED IN THE INSTALLATION.

ALL OTHER MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURES DETAILS OR INSTRUCTION.

GENERAL NOTES:

RETROFIT SURFACED APPLIED MATERIALS ONLY:

1. CHANGES IN LEVEL OF 1/4" (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED VERTICALLY ON SURFACED APPLIED MATERIALS.
2. CHANGES IN LEVEL BETWEEN 1/4" (6.4 mm) HIGH MINIMUM AND 1/2" (13mm) HIGH MAXIMUM SHALL BE BELEVELED WITH A SLOPE NOT STEEPER THAN 2:1.

REV. NO.	DATE	DESCRIPTION	BY
	6-18-09	ADDED RETROFIT DETAIL AND ADDED ALT. RAMP DETAIL AND GEN. NOTES	GLO
	10-2-06	ADDED TOLERANCE TO DTL.	GLO
	5-10-06	REVISED TRUNCATED DOMES AND NOTES.	GLO
	11-14-02	REVISED	
	7-29-02	REVISED	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL

DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS

NO SCALE — MARCH 12, 2002

NUMBER A4

6/18/2009 1:42:32 PM \\GDOT-DSN1\GOPLOT\GCF\go_t1ff_output.gcf gowens V:\GARY\ada ramp details\a4.prf

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ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32681 PROFESSIONAL ENGINEER VICTOR A. CONOVER

SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
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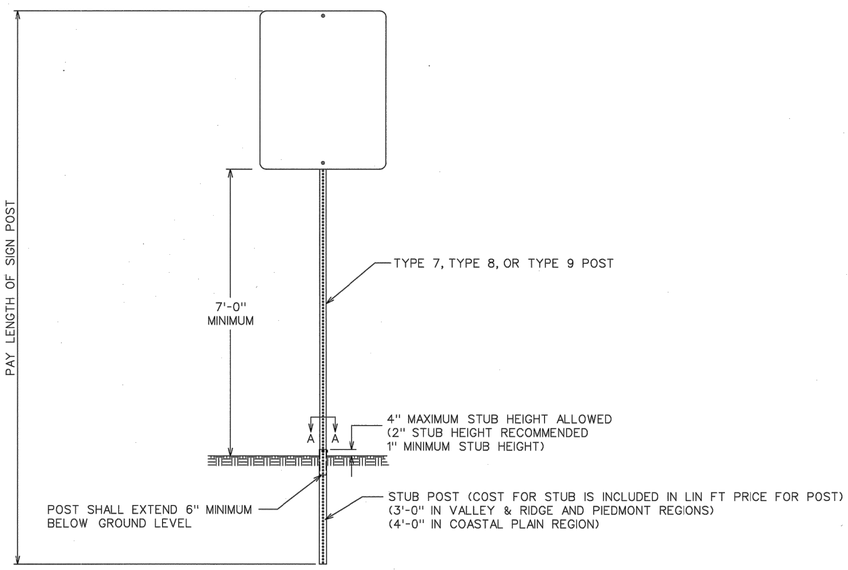
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

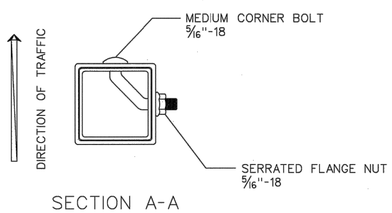
Sheet: 80-016

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



FRONT VIEW

POST	STUB SIZE
TYPE 7	2¼" x 2¼"
TYPE 8	2¾" x 2¾"
TYPE 9	2½" x 2½"



SECTION A-A

SIGN POST SELECTION CHART

70 MPH Wind Load Chart + 15% Gust Factor

	SLIP BASE NOT REQUIRED				GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED				
	TYPE 7 2" 14 ga.		TYPE 9 2-1/4" 14 ga	TYPE 8 2-1/2" 12 ga.	TYPE 8 2-1/2" 12 ga.		TYPE 8 w/ TYPE 9 Insert* 2-1/2" 12 ga. W/ 2-1/4" 14 ga.		
Sign Centroid	1 Post	2 Post	1 Post	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
	SQUARE FOOTAGE				SQUARE FOOTAGE				
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.80	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN *PLUS* HALF THE HEIGHT OF SIGN.
EXAMPLE: 24" X 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24" OR 2 FT) *PLUS* 7 FT. = 9' CENTROID.

SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.

* TYPE 9 INSERT SHALL BE A CONTINOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.

GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 636-3010.

DATE	REVISIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

TYPE 7, 8, AND 9
SQUARE TUBE POST
INSTALLATION DETAIL

NO SCALE JULY 2002

T-3A

PC80TB

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REV. NO.	DATE	DESCRIPTION

REVISION BLOCK

ATHENS-CLARKE COUNTY, GA

GEORGIA REGISTERED No. 32881 PROFESSIONAL ENGINEER VICTOR A. CONOVER

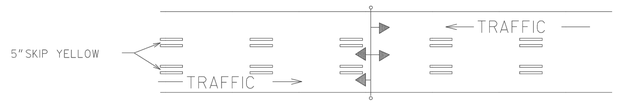
SHEET TITLE: CONSTRUCTION STANDARDS & DETAILS

PROJECT NAME: LEXINGTON ROAD CORRIDOR SIDEWALK GAP PROJECT

PROJECT INFORMATION
JOB NO: 19022041.03
DRAWN BY: KC
CHECKED BY: VC
DRAWING FILE: 19022041.03E.DWG
DRAWING SCALE: N.T.S.
ORIGINAL RELEASE DATE: APRIL 25, 2024

Sheet: 80-017

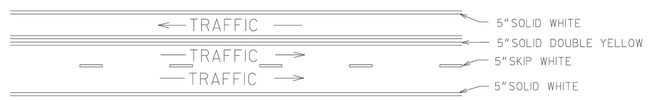
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



REVERSIBLE LANE SIGN OR SIGNAL SYSTEM REQUIRED

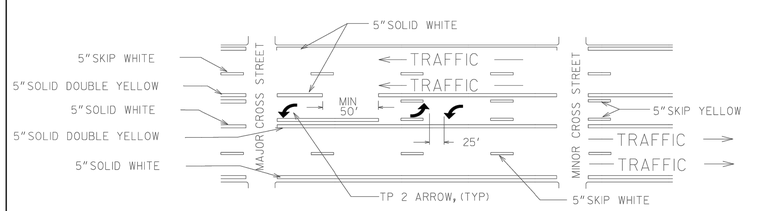
TWO-WAY TRAFFIC WITH A REVERSIBLE CENTER LANE

TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE PERMITTED TO PASS

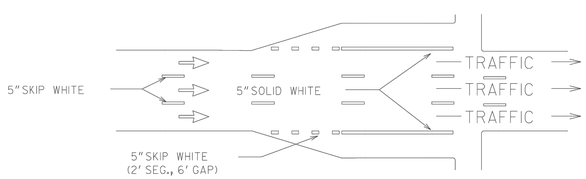


TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE NOT PERMITTED TO PASS

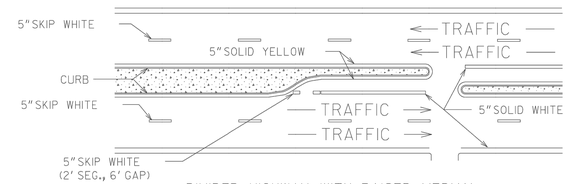
TWO-LANE, TWO-WAY TRAFFIC WITH PASSING PERMITTED



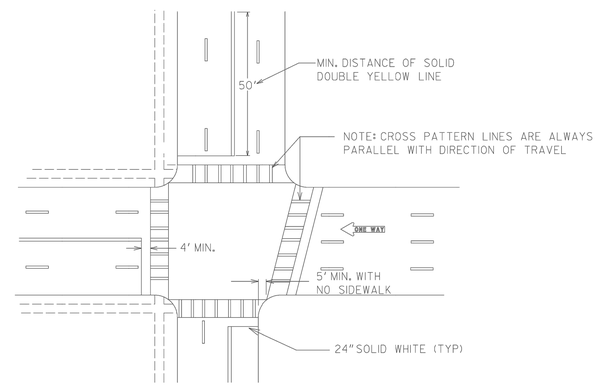
MULTI-LANE, TWO-WAY TRAFFIC WITH SINGLE LANE, TWO-WAY LEFT TURN CHANNELIZATION



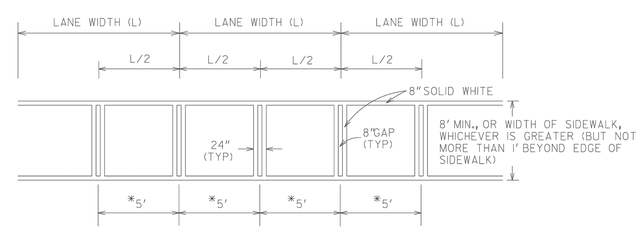
ONE-WAY TRAFFIC WITH ADDED TURN LANES



DIVIDED HIGHWAY WITH RAISED MEDIAN



TYPICAL LOCATION OF CROSSWALKS AND STOP BARS



*USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANE LINES HAVE BEEN OMITTED

CROSSWALK DETAIL

GENERAL NOTES:

1. SPACING BETWEEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-IIB.

REV. NO.	DATE	DESCRIPTION	BY
	9-5-16	ADDED GENERAL NOTE 3	COR

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

PAVEMENT MARKING PLACEMENT
NON-LIMITED ACCESS ROADWAY

NO SCALE — JANUARY 2000

DESIGNED ____
DRAWN ____
TRACED ____
CHECKED ____

NUMBER T-IIA

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ATHENS-CLARKE COUNTY, GA

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Sheet: 80-018