

FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (OpenRoads Designer).
OPENROADS COMPUTER IDENTIFICATION NO. (120778)



COMMONWEALTH OF VIRGINIA



PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

PRINCE WILLIAM COUNTY MARINA WAY EXTENSION

FR: ROUTE 123 (GORDON BLVD)
TO: ANNAPOLIS WAY

FHWA-534 DATA-46001
PPMS-120778

STATE	FEDERAL AID PROJECT		STATE PROJECT		SHEET NO.
	PROJECT	ROUTE	PROJECT	ROUTE	
VA.	STP-5B01()		0639-076-348		1
	SEE TABULATIONS BELOW FOR SECTION NUMBERS		SEE TABULATIONS BELOW FOR SECTION NUMBERS		

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
NON NHS - URBAN MINOR COLLECTOR (GS-7) - DIVIDED - ROLLING - 30 MPH	
	FR: ROUTE 123 (GORDON BLVD) TO: ANNAPOLIS WAY
ADT	N/A
ADT (2050)	12,600
DHV	N/A
D (%) (design hour)	N/A
T (%) (design hour)	N/A
V (MPH)	⊗

⊗ See Plan and Profile Sheets for horizontal and vertical curve design speed data

PROJECT MANAGER_MEKDES_IABOR_1703-292-81377
SURVEYED BY, DATE_JMT, AUGUST, 2024
DESIGN BY_JMT
SUBSURFACE UTILITY BY, DATE_JMT, AUGUST, 2024

THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE GENERAL NOTES.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

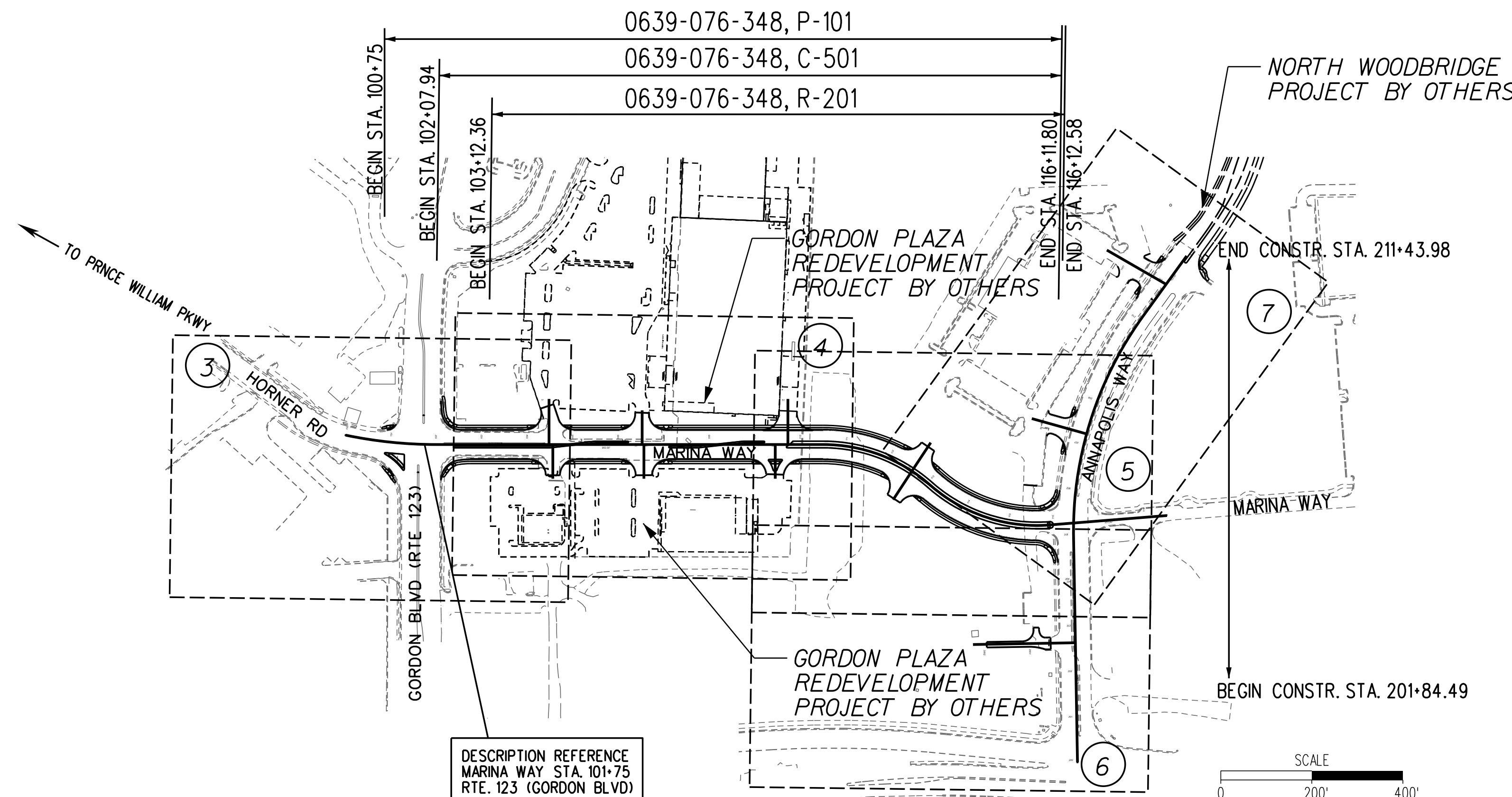
THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS REVISED SEPT 2022, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11ULS, EXCEPT WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.

CONVENTIONAL SIGNS

STATE LINE	COUNTY LINE	CITY/TOWN OR VILLAGE	RIGHT OF WAY LINE	FENCE LINE	UNFENCED PROPERTY LINE	FENCED PROPERTY LINE	WATER LINE	SANITARY SEWER LINE	GAS LINE	ELECTRIC UNDERGROUND CABLE	TRAVELED WAY	GUARD RAIL	RETAINING WALL	RAILROADS	BASE OR SURVEY LINE	LEVEE OR EMBANKMENT	BRIDGES	CULVERTS	DROP INLET	POWER POLES	TELEPHONE OR TELEGRAPH POLES	TELEPHONE OR TELEGRAPH LINES	HEDGE	TREES	HEAVY WOODS	GROUND ELEVATION	GRADE ELEVATION
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



DESCRIPTION REFERENCE
MARINA WAY STA. 101+75
RTE. 123 (GORDON BLVD)

POPULATION 484,472 (2021 CENSUS)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES		
0639-076-348	P-101	STP-5B01(441)	PENG	120778	1,537	0.291	1,537	0.291	PRELIM. ENGIN.	FR: ROUTE 123 (GORDON BLVD) TO: ANNAPOLIS WAY
	R-201	STP-5B01()	ROWA	120778	1,299	0.246	1,299	0.246	RIGHT OF WAY	FR: ROUTE 123 (GORDON BLVD) TO: ANNAPOLIS WAY
	C-501	STP-5B01()	1000	120778	1,404	0.266	1,404	0.266	CONSTRUCTION	FR: ROUTE 123 (GORDON BLVD) TO: ANNAPOLIS WAY

NOTE: PROJECT LENGTH BASED ON MARINA WAY CONSTRUCTION BASELINE

TIER 2 PROJECT

LOCALLY ADMINISTERED PROJECTS

PRINCE WILLIAM COUNTY

NAME OF LOCALITY

(SIGNATURE)

NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICIAL (TYPED)

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

DATE TITLE OF POSITION

(SIGNATURE)

NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICIAL (TYPED)

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DATE TITLE OF POSITION

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

INFRASTRUCTURE INVESTMENT DIRECTOR

STATE LOCATION AND DESIGN ENGINEER

CHIEF FINANCIAL OFFICER

CHIEF ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION

CHIEF OF POLICY

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

INFRASTRUCTURE INVESTMENT DIRECTOR

STATE LOCATION AND DESIGN ENGINEER

STATE STRUCTURE AND BRIDGE ENGINEER

CHIEF FINANCIAL OFFICER

APPROVED FOR CONSTRUCTION

CHIEF ENGINEER

APPROVED

DIVISION ADMINISTRATOR
FEDERAL HIGHWAY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION

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PRINCE WILLIAM COUNTY PROJECT 23C17011	PROJECT 0639-076-348	SHEET NO. 1
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60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

GENERAL NOTES

- 1. This site has been addressed by the Prince William County Mapping Office as: N/A
2. Addresses assigned are for the layout of individual businesses or dwelling units and are for exterior doors as shown on this plan only.
3. Methods and materials used in the construction of the improvements herein shall conform to the current County construction standards and specifications and/or current VDOT standards and specifications.
4. The contractor or developer is required to notify the Prince William County Department of Public Works in writing three (3) days prior to the beginning of the construction and specifically request inspection before beginning 703- 792-7070.
5. Measures to control erosion and siltation, including detention ponds serving as silt basins during construction, must be provided prior to issuance of the site development permit.
6. A permit must be obtained from the Office of the Resident Engineer, Virginia Department of Transportation (VDOT) Prince William County, prior to construction in existing State right-of-way, 707-366-1900.
7. Approval of this plan does not guarantee issuance of an entrance permit by VDOT when such permit is required under State law.
8. The exact location of all guard rails will be determined by VDOT personnel.
9. An approved set of plans and all applicable permits must be available at the construction site.
10. Warning signs, markers, barricades or flagmen should be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD).
11. All unsuitable material shall be removed from the construction limits of the roadway before placing embankment.
12. All pavement sections on the approved plans are based on a minimum CBR value of 10.
13. All roadside ditches at grades of more than 5% shall be paved with cement concrete to the limits indicated on the plans and as required at the field inspection.
14. All springs shall be capped and piped to the nearest storm sewer manholes or curb inlet.
15. All standard street name signs, traffic control devices, and street lights shall be installed by the developer when the first building unit is occupied.
16. Construction debris shall be containerized in accordance with the Virginia Litter Control Act; no less than one litter receptacle shall be provided at the construction site.
17. The contractor shall provide adequate means of cleaning mud from trucks and/or other equipment prior to entering public streets, and it is the contractor's responsibility to clean streets, alley dust, and to take whatever measures are necessary to insure that the streets are maintained in a clean, mud and dust free condition at all times.
18. Notification shall be given to the appropriate utility Company (Service Authority, Virginia-American Water Company, or Dale Service Corporation) prior to construction of water and/or sanitary sewer lines.
19. All sanitary sewers and water mains and appurtenances shall be constructed in accordance with the current standards and specifications of Prince William County and/or the Service Authority.
20. The developer and/or contractor shall be responsible to supply all utility companies with copies of plans that have been approved by Prince William County and advising them that all grading shall conform to the approved plans, and further that the utility companies shall be responsible for honoring these plans and the finished grades in the installation of their utility lines.
21. Contractors shall notify operators who maintain underground utility lines in the area of proposed excavating or blasting at least two (2) working days, but not more than ten (10) working days, prior to commencement of excavation or demolition.

Washington Gas Light Co.
Virginia Power Co.
Northern Virginia Electric Co-op
Columbia Gas of Virginia
Continental Telephone of VA
Colonial Pipeline Co.
Transcontinental Gas Pipe Line Corp.

MISS UTILITY 1-800-552-7001
Service Authority 703-335-7900 (After hours-Emergency 335-7990)
Virginia-American Water 703-491-2136
Dale Service Corporation 703-494-4161

- 22. The service Authority requires that a clean-out be placed within one foot (0.3 meters) of the property line.
23. The location of existing utilities shown in these plans are taken from existing records. It shall be the contractor's responsibility to verify the exact horizontal and vertical location of all existing utilities as needed prior to construction.
24. The developer will be responsible for any damage to the existing streets and utilities which occurs as a result of his construction project within or contiguous to the existing right-of-way.
25. All utilities placed under existing streets shall be bored or jacked.
26. When grading is proposed within easements of utilities, letters of permission from all involved companies must be provided to Prince William County Planning Office prior to issuance of grading and/or site development permits.
27. The developer will be responsible for the relocation of any utilities which is required as a result of his project prior to construction.
28. Before burning, blasting, transportation or storage of explosives in Prince William County, a permit shall be obtained from the Fire Marshal's Office, 792-6360.
29. Fire and Rescue Services must be notified immediately (703-792-6810) in the event that unusual items such as tanks, cylinders, unidentified containers, etc. which could contain potentially hazardous materials are discovered or observed.
30. Sidewalk underdrains shall be installed per Section 650.65 of the Design and Construction Standards Manual.
31. All walkways outside of the right-of-way limits will be maintained by the homeowners association.
32. Maintenance of the Storm Drainage or Storm Water Management facilities located therein shall be pursuant to Section 700 of the Prince William County Design and Construction Standards Manual.
33. If units shown on this plan will be occupied in phases, a phasing plan must be approved by the engineering inspection branch prior to the issuance of any occupancy permits.
34. These plans identify the location of all known gravesites. Gravesites shown on this plan will be protected in accordance with state law.
35. Roof top mechanical equipment, if any, must be enclosed within a wall or similar screening barrier, designed in harmony with the building.
36. Individual sign permits will be required from the Zoning Office for all free standing and facade signs prior to erecting the signs.
37. All buffer areas shall be screened according to the Design and Construction Standards Manual.
38. For proffer statements and proffer analyses, see project booklet.
39. For waivers see sheet(s) N/A of _____.
40. Anticipated sewage flows: N/A
41. Anticipated fire flows: N/A
42. Distance to nearest existing school or proposed school site: N/A

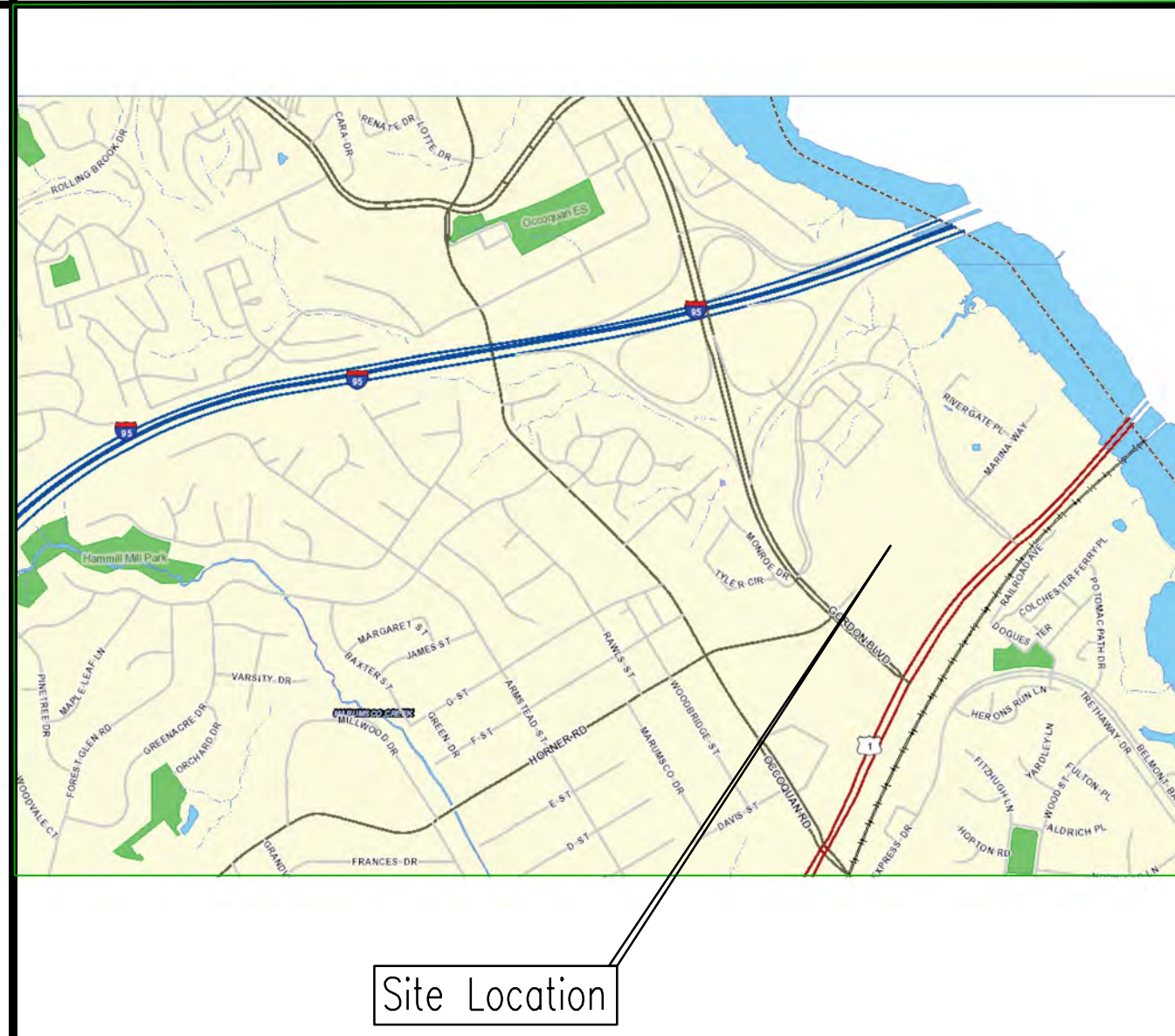
LEGEND

- EXISTING INTERMEDIATE CONTOUR
EXISTING INDEX CONTOUR
PROPOSED CONTOUR
EXISTING EDGE OF PAVEMENT
PROPOSED EDGE OF PAVEMENT
EXISTING CURB AND GUTTER
PROPOSED CURB AND GUTTER
TRANSITION FROM CG-6 TO CG-6R
EXISTING TELEPHONE LINE
PROPOSED TELEPHONE LINE
EXISTING STORM SEWER
PROPOSED STORM SEWER
EXISTING SANITARY SEWER
PROPOSED SANITARY SEWER
EXISTING ELECTRIC SERVICE
PROPOSED ELECTRIC SERVICE
EXISTING GAS LINE
PROPOSED GAS LINE
PROPERTY LINE
EASEMENT LINE
CENTERLINE
LIMITS OF CLEARING AND GRADING
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION
EXISTING TREE DRIP LINE
EXISTING TREE
PROPOSED TREE
FLOW LINE
FENCELINE
EXISTING UTILITY POLE
PROPOSED UTILITY POLE
EXISTING WATERLINE W/ TEE
PROPOSED WATERLINE W/ TEE
EXISTING FIRE HYDRANT
PROPOSED FIRE HYDRANT
EXISTING WATER VALVE
PROPOSED WATER VALVE
EXISTING WATER METER
PROPOSED WATER METER
EXISTING REDUCER
PROPOSED REDUCER
STOP SIGN
HANDICAP RAMP (CG-12)
DENOTES LOCATION OF STD VDOT CG-12 AND/OR SUBSISTENTIAL STANDARD RAMP CONSTRUCTION
PARKING INDICATOR
INDICATES THE NUMBER OF TYPICAL PARKING SPACES
TEST PIT LOCATION
CRITICAL SLOPE
SLOPES TO BE SEEDED, MULCHED & TACKED PERMANENT TO SLOPE (100:1) PRINCE WILLIAM COUNTY DESIGN & CONSTRUCTION STANDARDS MANUAL
VEHICLES PER DAY COUNT
PROPOSED BUILDING ENTRANCE
EXISTING STREET LIGHT
PROPOSED STREET LIGHT
PROPOSED STREET NAME SIGN
PROPOSED SANITARY LATERAL CLEANOUT
SANITARY MANHOLE IDENTIFIER
STORM DRAIN STRUCTURE IDENTIFIER

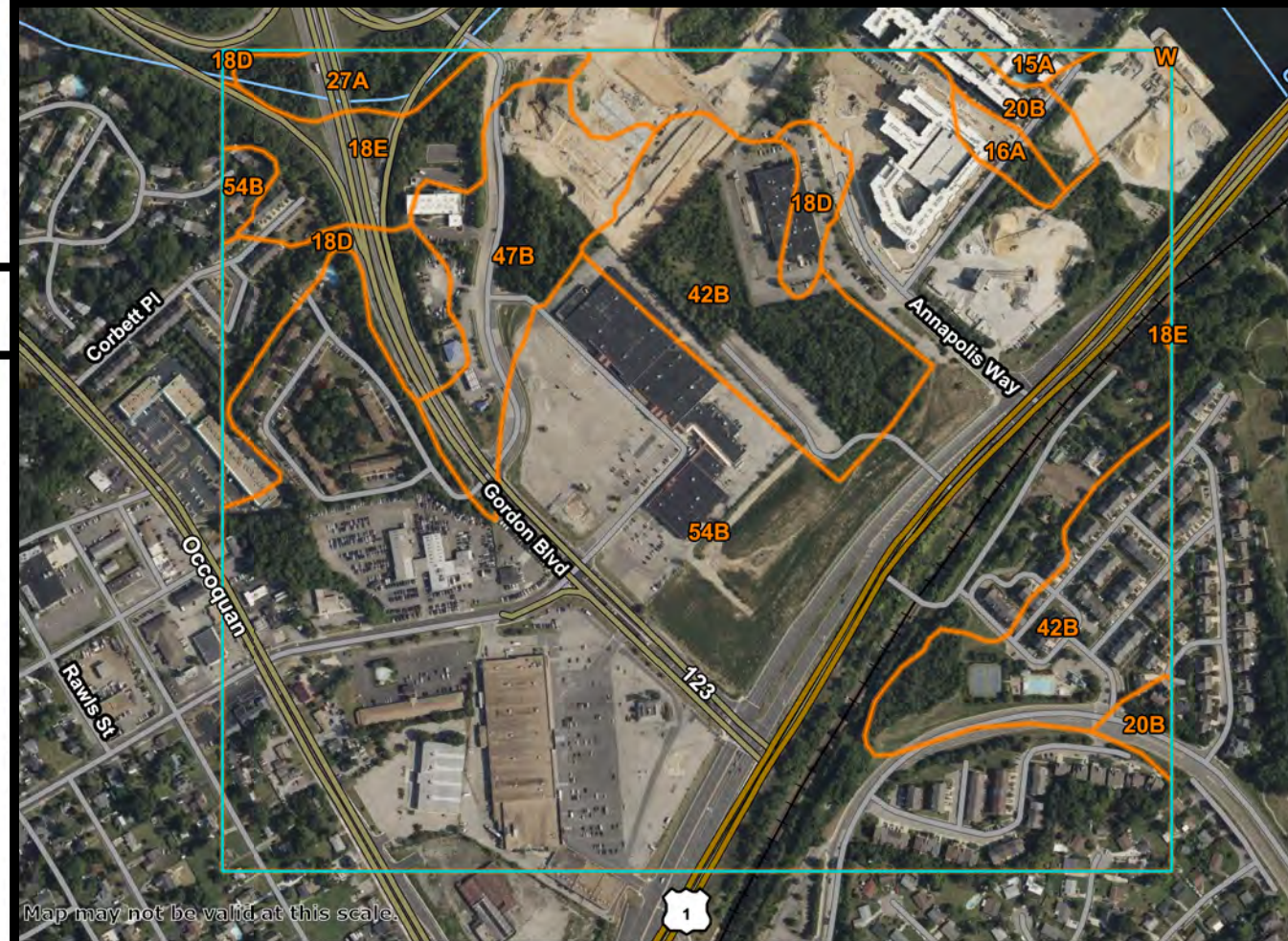
SURVEY AND TOPOGRAPHIC INFORMATION

- 1. Horizontal and vertical control surveys were performed by _____ in _____.
2. All elevations must be referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29).
3. Source of topographic mapping is _____ dated _____.
4. Boundary survey was performed by _____ dated _____.
5. The application of the professional's seal and signature as required by Section 1.14 of the STATE BOARD OF ARCHITECTS, PROFESSIONAL ENGINEERS, LAND SURVEYORS AND CERTIFIED LANDSCAPE ARCHITECTS RULES AND REGULATIONS shall be evidence that: the boundary data is correct to the best of the land surveyor's knowledge, and complies with the minimum standards and procedures of the said Board; the topographic information is accurate to within one-half of the contour interval, as shown. Application of the seal and signature indicates acceptance of responsibility for the work shown herein.

VICINITY MAP



SOILS MAP



SOILS INFORMATION WAS OBTAINED FROM THE "SOIL SURVEY OF PRINCE WILLIAM COUNTY, VIRGINIA" ISSUED AUGUST 1989.

SCALE 1"=600'

SOILS DATA

Table with 5 columns: MAP UNIT SYMBOL, MAP UNIT NAME, RATING, ACRES UB AOI, PERCENT OF AOI. Rows include 18D, 42B, and 54B.

SHEET INDEX

Table with 2 columns: SHEET NO., DESCRIPTION. Lists sheets 1 through 11(1)-11(2)* and their corresponding descriptions.

TOTAL CROSS SECTION SHEETS 23 (SEE CROSS SECTION SHEET NUMBER 1 FOR INDEX OF SHEETS) * TO BE PROVIDED AT A LATER SUBMISSION

REVISIONS

Table with 4 columns: DATE, DESIGNER, NO., DESCRIPTION. Includes a header row and several empty rows.

DESIGNATED PLANS EXAMINER CERTIFICATE

Form for Designated Plans Examiner Certificate with fields for 1st and 2nd submission reviewed and recommended for submission, including designated plans examiner name, reg. number, and date.

BOND ESTIMATE

Form for Bond Estimate with fields for designated plans examiner name, reg. number, and date.

PRINCE WILLIAM COUNTY COVER SHEET

Project information form including Project Name (Marina Way Extension), Subdivision/Site Plan Name, Magisterial District, Owner, Developer, and Engineer information.

Subdivision/Site Plan Name: Marina Way Extension PWC File Number:

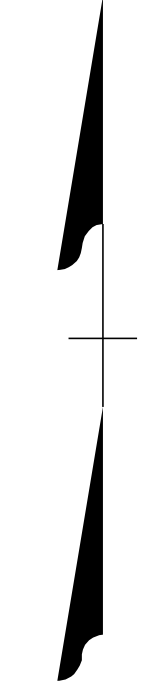
PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
 SURVEYED BY, DATE_JMI_AUGUST_2024-----
 DESIGN BY_JMI_(703)464-7369-----
 SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024-----

LOCATION MAP

PRINCE WILLIAM COUNTY

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.		0639-076-348 R-201,C-501	1A

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



SCALE	PROJECT	SHEET NO.
NTS	0639-076-348	1A

60% PLANS
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
 SURVEYED BY, DATE_JMI_AUGUST_2024-----
 DESIGN BY_JMI_(703) 464-7369-----
 SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024-----

INDEX OF SHEETS

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.		0639-076-348 R-201C-501	1B

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SHEET NO.	DESCRIPTION
1	TITLE SHEET
1A	LOCATION MAP
1B	INDEX OF SHEETS
1C	RIGHT OF WAY DATA SHEET
1D	REVISION DATA SHEET
1E(1) - 1E(2)	SURVEY ALIGNMENT DATA SHEET
1F(1) - 1F(5)	CONSTRUCTION ALIGNMENT DATA SHEETS
1G*	UNDERGROUND UTILITY TEST HOLE INFORMATION
1H(1) - 1H(8)	MAINTENANCE OF TRAFFIC (MOT) & SEQUENCE OF CONSTRUCTION
2	GENERAL NOTES
2A(1) - 2A(2)	TYPICAL SECTIONS
2B(1) - 2B(2)	DRAINAGE DESCRIPTION SHEETS
2C(1) - 2C(3)	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
2D(1)	SWM POND DETAIL
2E(1) - 2E(3)	EROSION & SEDIMENT CONTROL NARRATIVE AND NOTES, GENERAL NOTES, SOIL MAPS ETCS
3	PLAN SHEET - MARINA WAY - STA. 100+00 TO STA. 103+75
3A	PROFILE SHEET - MARINA WAY - STA. 100+00 TO STA. 103+75
3B(1A) - 3B(2A)	EROSION & SEDIMENT CONTROL PLANS (PHASE I & II)
4	PLAN SHEET - MARINA WAY - STA. 103+75 TO STA. 110+75
4A	PROFILE SHEET - MARINA WAY - STA. 103+75 TO STA. 110+75
4B(1A) - 4B(2A)	EROSION & SEDIMENT CONTROL PLANS (PHASE I & II)
5	PLAN SHEET - MARINA WAY - STA. 110+75 TO STA. 117+75 - ANNAPOLIS WAY - STA. 204+00 TO STA. 206+50
5A	PROFILE SHEET - MARINA WAY - STA. 110+75 TO STA. 117+75
5B(1A) - 5B(1B,2B)	EROSION & SEDIMENT CONTROL PLANS (PHASE I & II)
6	PLAN SHEET - ANNAPOLIS WAY - STA. 200+00 TO STA. 204+00
6B(1B) - 6B(2B)	EROSION & SEDIMENT CONTROL PLANS (PHASE I & II)
7	PLAN SHEET - ANNAPOLIS WAY - STA. 206+50 TO STA. 211+75
7B(1A) - 7B(2B)	EROSION & SEDIMENT CONTROL PLANS (PHASE I & II)
7C(X) - 7C(X)*	STORM SEWER PROFILE SHEETS
8(1) - 8(3)	ENTRANCE PROFILES
9(1) - 9(5)	SIGNING AND PAVEMENT MARKINGS PLANS
10(1) - 10(3)	TRAFFIC SIGNAL PLANS
11(1) - 11(2)*	UNIT PRICE INDEX SHEETS

TOTAL CROSS SECTION SHEETS 23 (SEE CROSS SECTION SHEET NUMBER 1 FOR INDEX OF SHEETS)

* TO BE PROVIDED AT A LATER SUBMISSION

N/A	PROJECT 0639-076-348	SHEET NO. 1B
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SURVEYED BY, DATE_JMI_AUGUST_2024-----
DESIGN BY_JMI_(703)464-7369-----
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024-----

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	1C

RIGHT OF WAY DATA SHEET

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

City/County: Prince William County

UPC No.: 120778

AREA (Areas greater than or equal to 1 acre will be shown in acres to 3 decimalplaces (x.xxx). Areas less than 1 acre will be shown to square feet (x,xxx).)

PARCEL NO.	LANDOWNER	SHEET NO.	AREA (Areas greater than or equal to 1 acre will be shown in acres to 3 decimalplaces (x.xxx). Areas less than 1 acre will be shown to square feet (x,xxx).)															
			TOTAL	FEE TAKING		PRESCRIPTIVE R/W		FEE REMAINDER		EASEMENTS								PROFFERS
				ACRES OR SQUARE FEET	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	DRAINAGE		UTILITY		TEMPORARY		SIGHT DISTANCE	
ACRES OR SQUARE FEET	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	ACRES OR SQ. FEET	HECTARES/ OR SQ. METERS	YES / NO	
001	LEARY FAMILY LLC	3	0.2489 AC	124 SF				0.246 AC							451 SF			NO
002	GORDON PLAZA 0225, LLC	3,4	17.1075 AC	1.344 AC				15.764 AC							0.837 AC			NO
003	COMMONWEALTH OF VIRGINIA	5,7	1.99725 AC	0.748 AC				1.249 AC							1,364 SF	2,340 SF		NO
004	ASHNA, LLC	5	7.40298 AC	0.865 AC				6.538 AC	0.233 AC						0.355 AC		4,699 SF	NO
005	991 ANNAPOLIS WAY, LLC	5,7	4.64461 AC	542 SF				4.632 AC		194 SF					0.447 AC			NO
006	COMMONWEALTH OF VIRGINIA	6	1.1055 AC	0.832 AC				0.274 AC		965 SF								NO

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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST_2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST_2024

SURVEY ALIGNMENT DATA SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-501	1E(1)

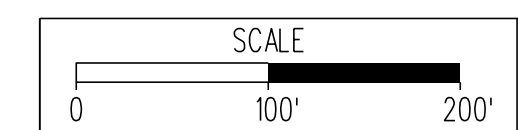
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HORIZONTAL DATUM: VA State Plane North Zone NAD83, US Survey Foot
VERTICAL DATUM: NAVD 1988, US Survey Foot

SURVEY CONTROL

PointNo.	Northing(Y)	Easting(X)	Elev(Z)	Description
2	6927801.982	11841491.853	66.76	TRAV
3	6927461.673	11841234.977	73.65	TRAV
4	6927197.753	11840921.410	85.72	TRAV
5	6926839.740	11840753.667	79.32	TRAV
6	6926867.018	11840197.058	78.58	TRAV
7	6927210.115	11840033.558	80.83	TRAV
8	6927382.692	11839821.004	75.95	TRAV
100	6928420.734	11840839.080	73.87	TRAV
101	6928078.387	11841047.340	74.56	TRAV
102	6927656.680	11839772.893	76.34	TRAV
103	6927930.663	11840988.652	78.39	TRAV
104	6927809.653	11840940.694	77.95	TRAV
105	6927689.090	11840845.848	79.56	TRAV
106	6927491.462	11840724.948	84.96	TRAV
107	6927217.972	11840503.553	86.00	TRAV



PROJECT	SHEET NO.
0639-076-348	1E(1)

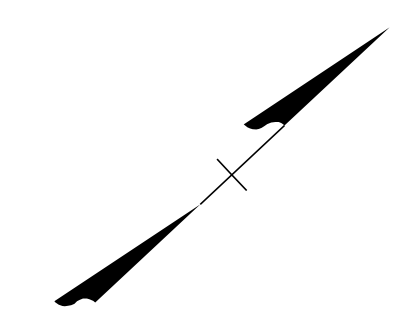
60% PLANS

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REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.		0639-076-348 P-101, R-201, C-501	IF(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				

CONSTRUCTION ALIGNMENT DATA SHEET



MARINA WAY ALIGNMENT

Element: Circular
PC - 100+00.000 N 6927015.399 E 11839891750
HPI - 101+00.353 N 6927074.240 E 11839973.042
CC - N 6927805.207 E 11839320.066
PT - 102+00.002 N 6927148.407 E 11840040.645
Radius - 974.997
Delta - 11753° Left
Degree of Curvature (Arc) - 5.877°
Length - 200.002

Tangent - 100.353
Chord - 199.652
Middle Ordinate - 5.124
External - 5.151
Back Tangent Direction - N54J02'E
Back Radial Direction - S35.898'E
Chord Direction - N48.225'E
Ahead Radial Direction - S47.651'E
Ahead Tangent Direction - N42.349'E

Element: Linear
PT - 102+00.002 N 6927148.407 E 11840040.645
PC - 110+50.002 N 6927776.606 E 11840613.241
Tangential Direction - N42.349'E
Tangential Length - 850.000

Element: Circular
PC - 110+50.002 N 6927776.606 E 11840613.241
HPI - 111+84.285 6927875.848 11840703.700
CC - N 6927537.462 E 11840875.606
PRC - 113+06.757 N 6927890.378 E 11840837.194
Radius - 355.000
Delta - 41.439° Right
Degree of Curvature (Arc) - 16.140°
Length - 256.755

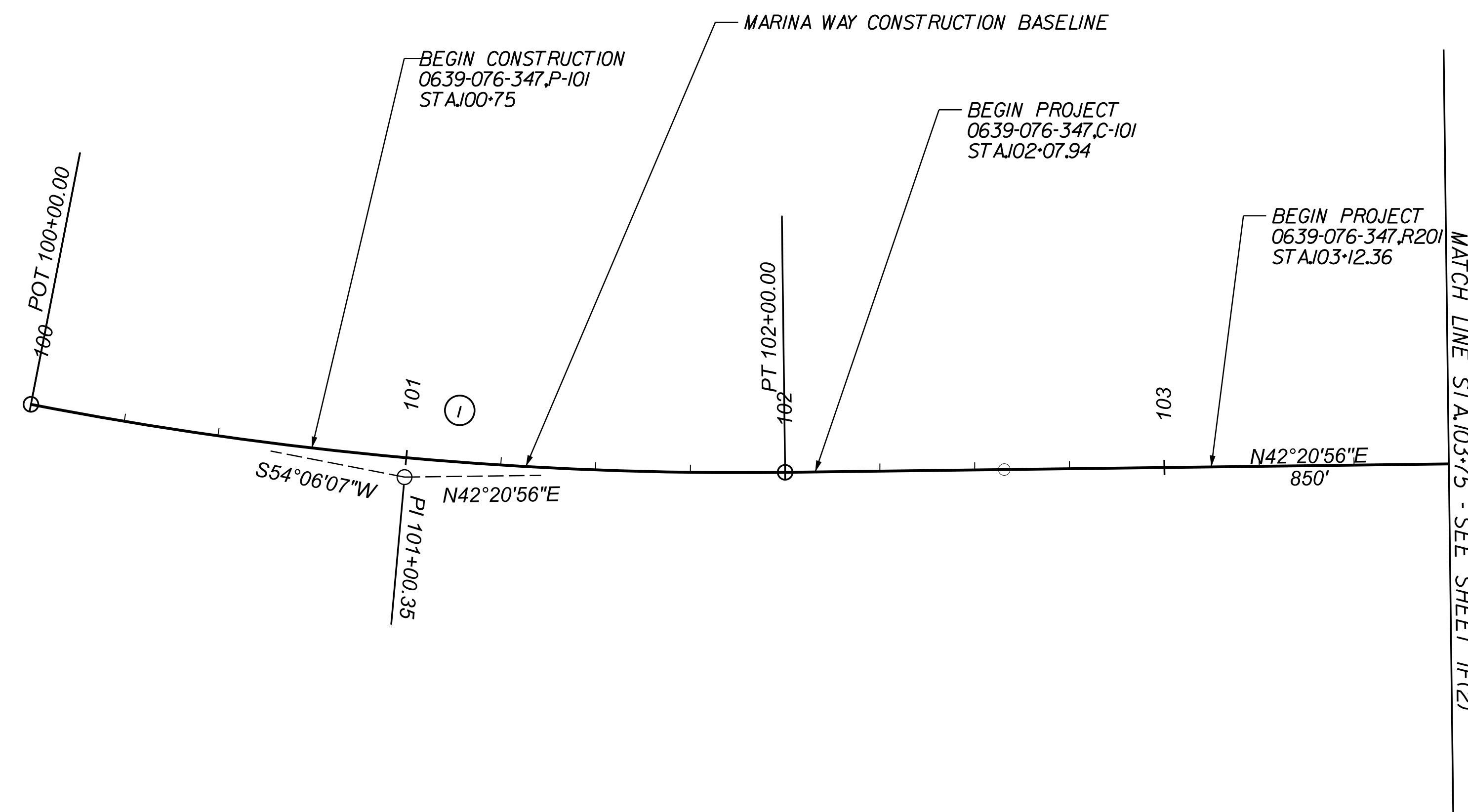
Tangent - 134.282
Chord - 251.195
Middle Ordinate - 22.960
External - 24.548
Back Tangent Direction - N42.349'E
Back Radial Direction - S47.651'E
Chord Direction - N63.069'E
Ahead Radial Direction - S6.212'E
Ahead Tangent Direction - N83.788'E

Element: Circular
PRC - 113+06.757 N 6927890.378 E 11840837.194
HPI - 114+57.623 N 6927906.702 E 11840987.174
CC - N 6928243.294 E 11840798.781
PT (25 Scale Baseline) - 115+92.070 N 6928026.008 E 11841079.515
Radius - 355.000
Delta - 46.049° Left
Degree of Curvature (Arc) - 16.140°
Length - 285.313

Tangent - 150.866
Chord - 277.696
Middle Ordinate - 28.280
External - 30.727
Back Tangent Direction - N83.788'E
Back Radial Direction - S6.212'E
Chord Direction - N60.764'E
Ahead Radial Direction - S52.260'E
Ahead Tangent Direction - N37.740'E

Element: Linear
PT - 115+92.070 N 6928026.008 E 11841079.515
END - 118+50.000 N 6928229.979 E 11841237.387
Tangential Direction - N37.740'E
Tangential Length - 257.930

① PI - 101+00.35
DELTA - 1°45'11.3" (LT)
D - 05°52'35"
T - 100.35'
L - 200.00'
R - 975.00'
PC - 100+00.00
PT - 102+00.00
e - N.C.(ULS)
V - 40 MPH



SCALE 0 25 50'	PROJECT 0639-076-348	SHEET NO. IF(1)
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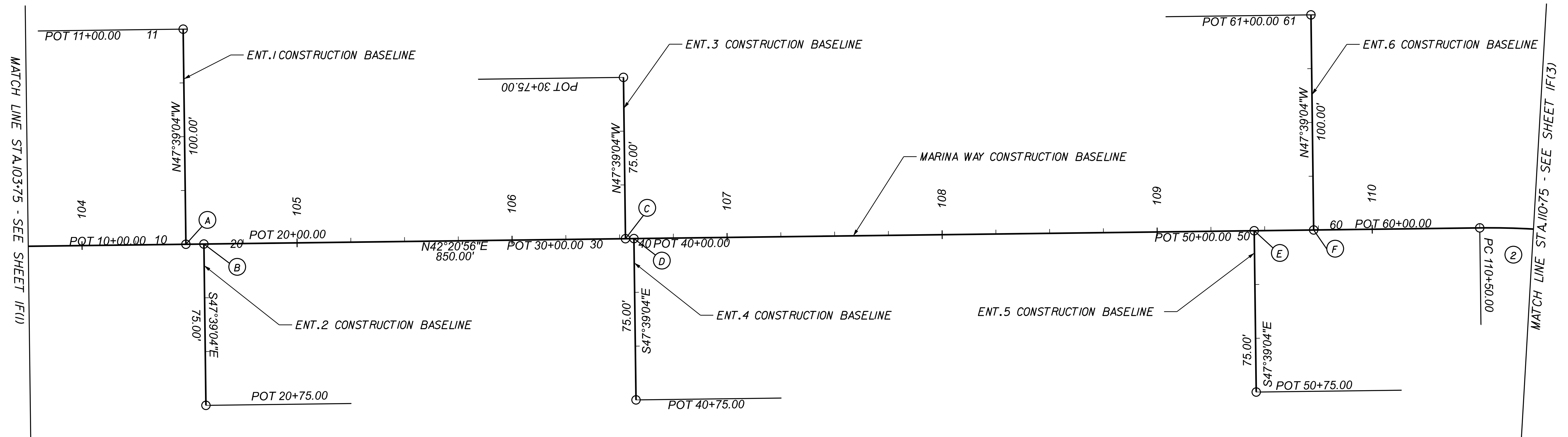
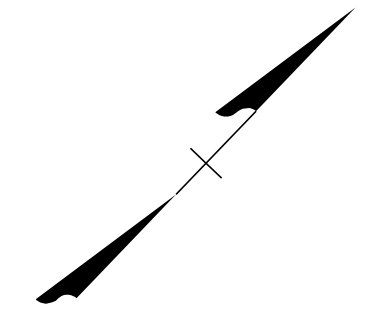
60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI_,AUGUST_2024
DESIGN BY_JMI_(703)464-7369
SUBSURFACE UTILITY BY, DATE_JMI_,AUGUST_2024

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	IF(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				

CONSTRUCTION ALIGNMENT DATA SHEET



ENTRANCE 1 ALIGNMENT

Element: Linear
START • 10+00.000 N 6927344.34 E 11840219.23
END • 1075.000 N 6927399.28 E 11840134.00
Tangential Direction • N47.65°W
Tangential Length • 100.000

ENTRANCE 2 ALIGNMENT

Element: Linear
START • 20+00.000 N 6927338.097 E 11840213.545
END • 20+75.000 N 6927287.574 E 11840268.975
Tangential Direction • S47.65°E
Tangential Length • 75.000

ENTRANCE 3 ALIGNMENT

Element: Linear
START • 30+00.000 N 6927483.00 E 11840345.62
END • 30+75.000 N 6927533.52 E 11840290.19
Tangential Direction • N47.65°W
Tangential Length • 75.000

ENTRANCE 4 ALIGNMENT

Element: Linear
START • 4000.000 N 6927485.91 E 11840348.28
END • 4075.000 N 6927435.39 E 11840403.70
Tangential Direction • S47.65°E
Tangential Length • 75.000

ENTRANCE 5 ALIGNMENT

Element: Linear
START • 5000.000 N 6927699.08 E 11840542.58
END • 5075.000 N 6927648.56 E 11840598.01
Tangential Direction • S47.65°E
Tangential Length • 75.000

ENTRANCE 6 ALIGNMENT

Element: Linear
START () 6000.000 RI 6927719.52 11840561.21
END () 6075.000 RI 6927786.89 11840487.31
Tangential Direction: N47.65°W
Tangential Length: 75.000

- Ⓐ STA.104+48.30 MARINA WAY Δ • 90° 00' 00"
- Ⓑ STA.104+56.67 MARINA WAY Δ • 90° 00' 00"
- Ⓒ STA.106+52.73 MARINA WAY Δ • 90° 00' 00"
- Ⓓ STA.106+56.67 MARINA WAY Δ • 90° 00' 00"
- Ⓔ STA.109+45.10 MARINA WAY Δ • 90° 00' 00"
- Ⓕ STA.109+72.77 MARINA WAY Δ • 90° 00' 00"

- ② PI • 11+84.28
DELTA • 41°26'21.46" (RT)
D • 16708.23'
T • 134.28'
L • 256.75'
R • 355.00'
PC • 110+50.00
PT • 113+06.76
e • N.C.(ULS)
V • 30 MPH

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. IF(2)
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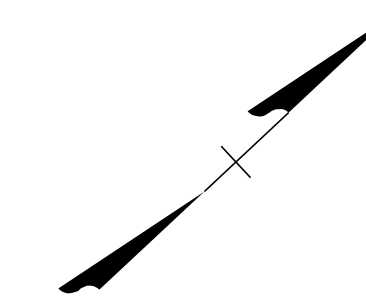
60% PLANS
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI,AUGUST_2024
DESIGN BY_JMI_(703)464-7369
SUBSURFACE UTILITY BY, DATE_JMI,AUGUST_2024

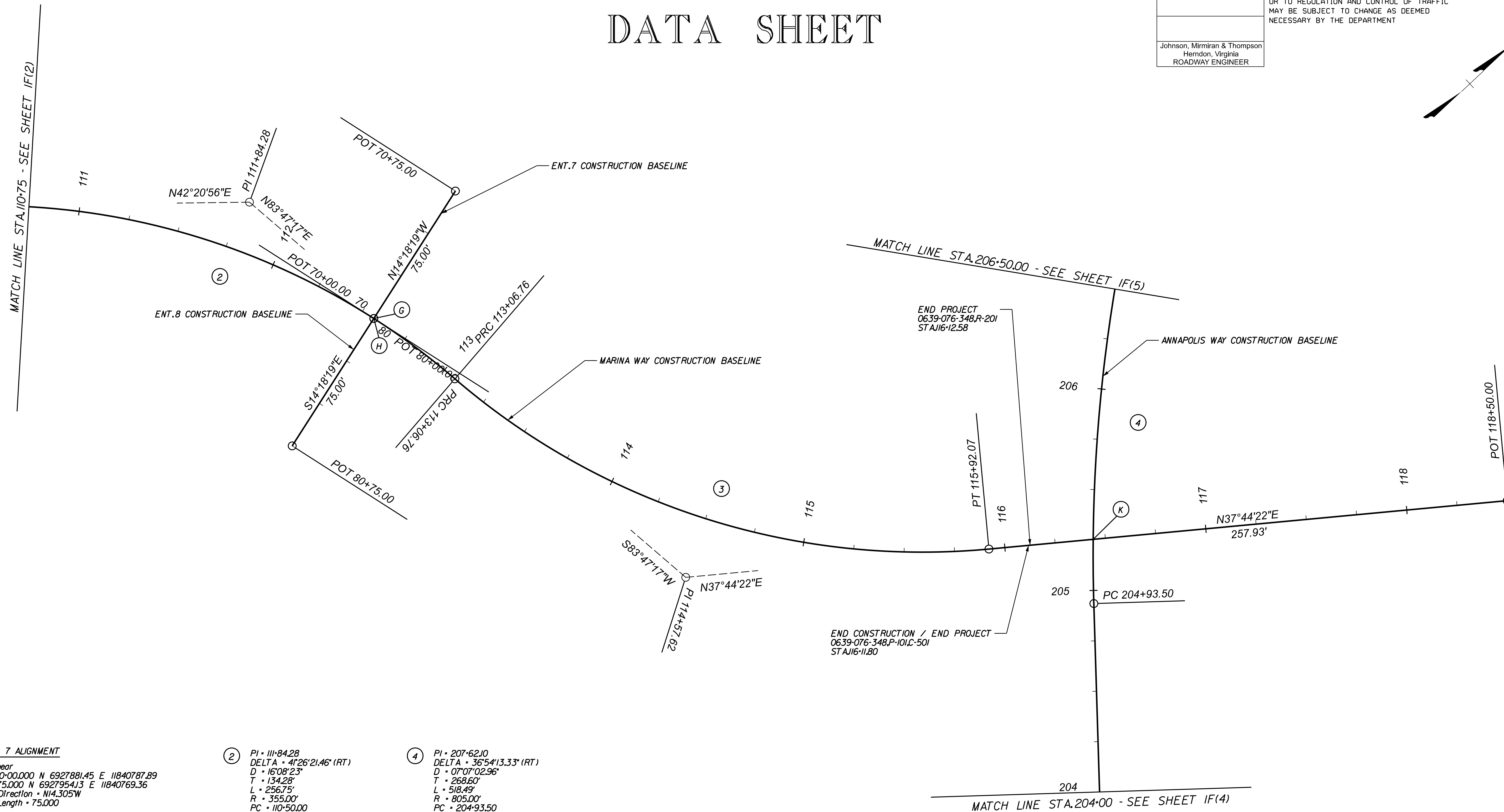
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	IF(3)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Herndon, Virginia
ROADWAY ENGINEER



CONSTRUCTION ALIGNMENT DATA SHEET



ENTRANCE 7 ALIGNMENT

Element: Linear
START - 70+00.000 N 6927881.45 E 11840787.89
END - 70+75.000 N 6927954.13 E 11840769.36
Tangential Direction - N14.305°W
Tangential Length - 75.000

ENTRANCE 8 ALIGNMENT

Element: Linear
START - 80+00.000 N 6927881.45 E 11840787.89
END - 80+75.000 N 6927808.78 E 11840806.42
Tangential Direction - S14.305°E
Tangential Length - 75.000

② PI - 111+84.28
DELTA - 41°26'21.46" (RT)
D - 16'08"23"
T - 134.28'
L - 256.75'
R - 355.00'
PC - 110+50.00
PT - 113+06.76
e - N.C.(ULS)
V - 30 MPH

④ PI - 207+62.10
DELTA - 36°54'13.33" (RT)
D - 07'07"02.96"
T - 268.60'
L - 518.49'
R - 805.00'
PC - 204+93.50
PT - 210+12.00

③ PI - 114+57.62
DELTA - 46°02'54.98" (LT)
D - 16'08"23"
T - 150.87'
L - 285.31'
R - 355.00'
PC - 113+06.76
PT - 115+92.07
e - N.C.(ULS)
V - 30 MPH

⑥ STA.112+56.62 MARINA WAY Δ - 90°00'00"
STA.70+00.00 ENT.7

⑦ STA.112+56.62 MARINA WAY Δ - 90°00'00"
STA.80+00.00 ENT.8

⑧ STA.116+43.95 MARINA WAY Δ - 81°18'19"
STA.205+25.34 ANNAPOLIS WAY



PROJECT 0639-076-348
SHEET NO. IF(3)

60% PLANS

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PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI,AUGUST_2024
DESIGN BY_JMI,(703)464-7369
SUBSURFACE UTILITY BY, DATE_JMI,AUGUST_2024

CONSTRUCTION ALIGNMENT DATA SHEET

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.		0639-076-348 P-101,R-201,C-501	IF(4)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				

ANNAPOLIS WAY ALIGNMENT

Element: Linear
START • 200+00.000 N 6927719.580 E 11841505.292
PC • 204+93.503 N 6928045.536 E 11841134.755
Tangential Direction • N48.662°W
Tangential Length • 493.503

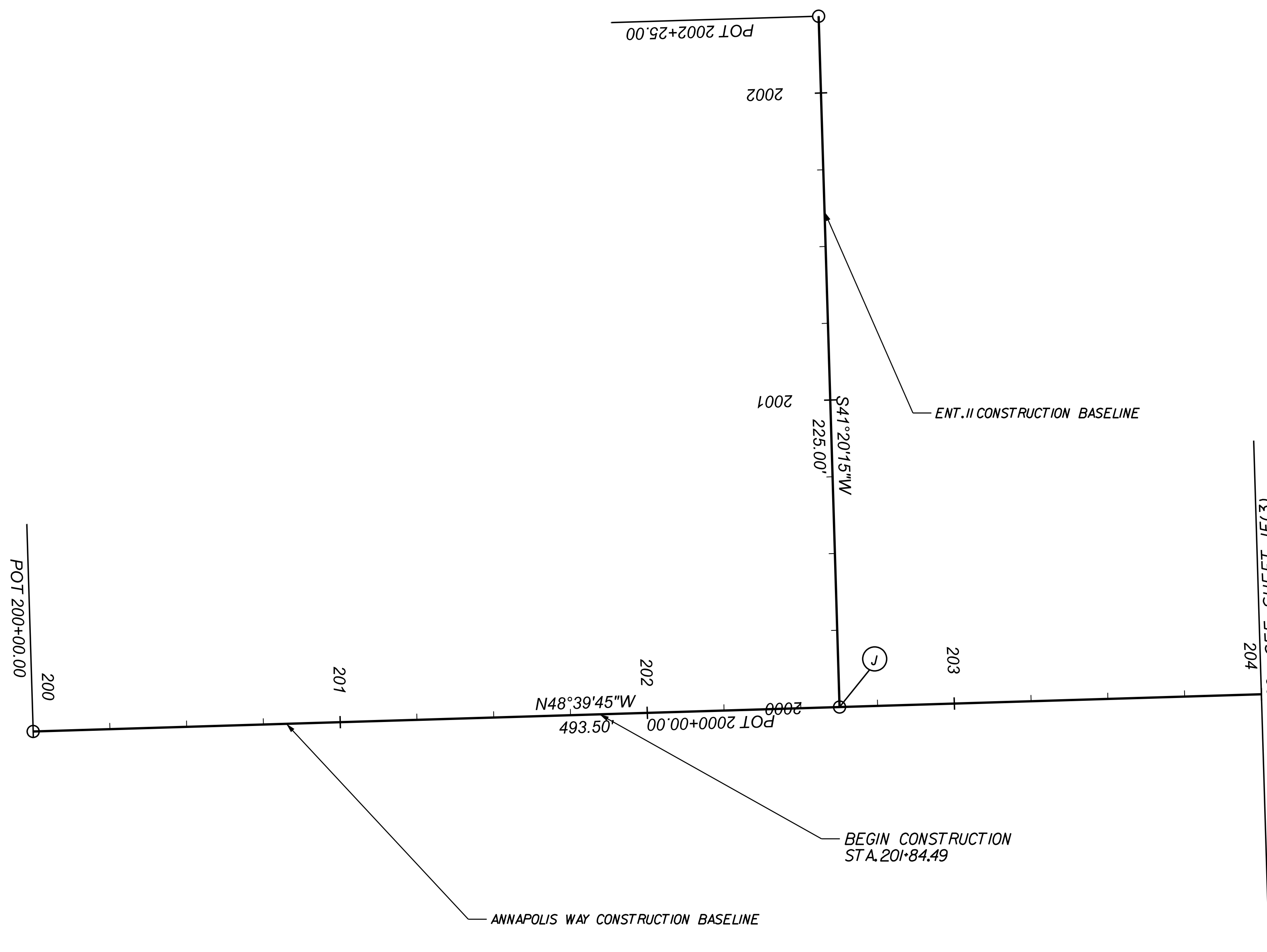
Element: Circular
PC • 204+93.503 N 6928045.536 E 11841134.755
HPI • 207+62.100 N 6928222.943 E 11840933.084
CC • N 6928649.955 E 11841666.453
PT • 210+11.996 N 6928485.904 E 11840878.346
Radius • 805.000
Delta • 36.904° Right
Degree of Curvature (Arc) • 7.117°
Length • 518.493

Tangent • 268.597
Chord • 509.577
Middle Ordinate • 41.385
External • 43.628
Back Tangent Direction • N48.662°W
Back Radial Direction • N41.338°E
Chord Direction • N30.211°W
Ahead Radial Direction • N78.241°E
Ahead Tangent Direction • N11.759°W

Element: Linear
PT • 210+11.996 N 6928485.904 E 11840878.346
END • 211+74.996 N 6928645.483 E 11840845.129
Tangential Direction • N11.759°W
Tangential Length • 163.000

ENTRANCE II ALIGNMENT

Element: Linear
START • 2000+00.000 N 6927893.039 E 11841308.109
END • 2002+25.000 N 6927724.102 E 11841159.498
Tangential Direction • S41.338°W
Tangential Length • 225.000



⊙ STA.200+62.62 ANNAPOLIS WAY Δ • 90° 00' 00"
STA.2000+00.00 ENT.II

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. IF(4)
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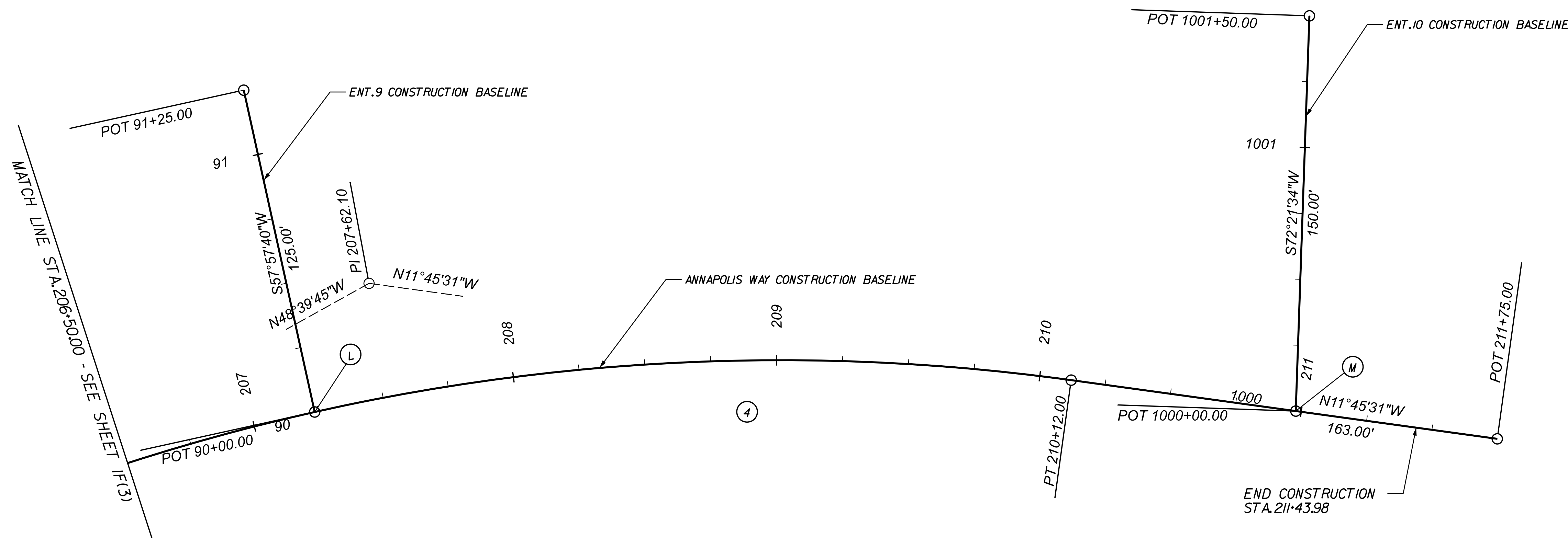
60% PLANS

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PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				

CONSTRUCTION ALIGNMENT DATA SHEET



ENTRANCE 9 ALIGNMENT

Element: Linear
START = 90+00.00 N 6928219.99 E 11840986.06
END = 91+25.00 N 6928153.68 E 11840880.10
Tangential Direction: S57°57'40.16"W
Tangential Length: 125.00

(L) STA.207+23.53 MARINA WAY Δ = 89° 44' 55"
STA.90+00.00 ENT.9

(M) STA.210+97.93 MARINA WAY Δ = 95° 52' 55"
STA.1000+00.00 ENT.10

ENTRANCE 10 ALIGNMENT

Element: Linear
START = 1000+00.00 N 6928570.03 E 11840860.83
END = 1001+50.00 N 6928524.57 E 11840717.89
Tangential Direction: S72°21'33.86"W
Tangential Length: 150.00

(4) PI = 207+62.10
DELTA = 36°54'13.33" (RT)
D = 07°07'02.96"
T = 268.60'
L = 518.49'
R = 805.00'
PC = 204+93.50
PT = 210+12.00



PROJECT 0639-076-348
SHEET NO. IF(5)

60% PLANS

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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
SURVEYED BY, DATE_JMI,AUGUST_2024-----
DESIGN BY_JMJ_(703)464-7369-----
SUBSURFACE UTILITY BY, DATE_JMI,AUGUST_2024-----

MOT & SOC PLANS

GENERAL NOTES

GENERAL NOTES

- IT IS NOT THE INTENT OF THIS PLAN TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH STAGE,BUT ONLY TO SHOW THE GENERAL FEATURES NECESSARY TO PROVIDE THE PROPER HANDLING OF TRAFFIC.
- THE CONTRACTOR SHALL SUBMIT REVISED TRAFFIC CONTROL PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO THE BEGINNING OF ANY REVISED PHASE,THE TRAFFIC CONTROL PLAN SHALL SHOW ALL NECESSARY TRAFFIC CONTROL DEVICES INCLUDING SIGNS,PAVEMENT MARKINGS,AND CHANNELIZING DEVICES.
- THE CLEAR ZONE AS DEFINED IN THE VA WAPM SHALL BE FREE OF STORED MATERIALS AND PARKED EQUIPMENT. HORIZONTAL AND VERTICAL SIGHT DISTANCES SHALL NOT BE IMPACTED BY PARKED CONSTRUCTION EQUIPMENT.
- ALL AREAS EXCAVATED MORE THAN 2' BELOW PAVEMENT SURFACE SERVING PUBLIC TRAFFIC WITHIN THE CLEAR ZONE AND NOT PROTECTED BY A POSITIVE BARRIER AT THE CONCLUSION OF EACH WORKDAY, SHALL BE BACKFILLED TO FORM AN APPROXIMATE 6:1 SAFETY WEDGE DESIRABLE (4:1 MINIMUM), AGAINST THE PAVEMENT SURFACE FOR THE SAFETY AND PROTECTION OF PUBLIC TRAFFIC. ALL COSTS FOR PLACING,MAINTAINING AND REMOVING THE 6:1 DESIRABLE (4:1 MINIMUM),SAFETY WEDGE SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL TRAFFIC CONTROL DEVICES SHALL BE APPROXIMATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE PROPERTY OWNER ACCESS AT ALL TIMES.WORK MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DEVICES,GRADING,AND TEMPORARY PAVEMENT FOR PASSAGE OF PEDESTRIAN,VEHICULAR,AND EMERGENCY TRAFFIC THROUGH THE WORK AREAS,BOTH DURING AND AFTER WORKING HOURS,TO MAINTAIN SUCH ACCESS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ANY EXISTING SIGNS,UNLESS OTHERWISE ADVISED BY THE ENGINEER TO REMOVE OR RELOCATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CONSTRUCTION,SIGNING,AND TRAFFIC MANAGEMENT PLAN WITH OTHER ADJACENT PROJECTS UNDER CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CONSTRUCTION MANAGER AND RESIDENCY ADMINISTRATOR OF ANY SCHEDULED WORK PLANS AND TRAFFIC DELAYS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CONSTRUCTION MANAGER,RESIDENCY ADMINISTRATOR,REGIONAL OPERATIONS MANAGER,AND THE PUBLIC AFFAIRS STAFF OF ANY UNSCHEDULED TRAFFIC DELAYS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PUBLIC SAFETY,EMERGENCY MANAGEMENT, AND MASS TRANSIT ORGANIZATIONS OF DETOUR ROUTE(S) AND AVAILABLE ALTERNATE ROUTES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADD ANY ADDITIONAL TEMPORARY MEASURES NECESSARY TO FACILITATE PROPER,POSITIVE DRAINAGE FOR THE DURATION OF CONSTRUCTION.
- UNLESS SPECIFIED ON THE PLANS,ALL EXISTING TURN LANES SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- WHERE GROUP 2 CHANNELIZING DEVICES ARE USED TO SEPARATE THE CONSTRUCTION AREA AND TRAFFIC,A MINIMUM CLEAR ZONE AREA AS DEFINED IN THE VA WAPM IS TO BE MAINTAINED.
- TRAFFIC BARRIER SERVICE SHALL BE INSTALLED AND REMOVED SO AS NOT TO PRESENT ANY BLUNT END OR HAZARD TO THE MOTORING PUBLIC.THE PLACEMENT AND REMOVAL OF THE TRAFFIC BARRIER SERVICE AND BARRICADES ARE TO BE COORDINATED BY THE PROJECT SAFETY OFFICER.
- CONTRACTOR SHALL EXPEDITE WORK BEHIND BARRIER IN THE INFLUENCE OF INTERSECTIONS TO RESTORE SIGHT DISTANCE AS SOON AS POSSIBLE.
- THE CONTRACTOR SHALL ENSURE THAT PERSONNEL ASSIGNED TO THE PROJECT ARE TRAINED IN TRAFFIC CONTROL TO A LEVEL COMMENSURATE WITH THEIR RESPONSIBILITIES IN ACCORDANCE WITH VDOT'S WORK ZONE TRAFFIC CONTROL TRAINING GUIDELINES.
- THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY WORK REQUIRING LANE SHIFTS,LANE CLOSURES,AND/OR PHASE CHANGES A MINIMUM OF TWO WORKING DAYS PRIOR TO IMPLEMENTING THIS ACTIVITY.
- THE CONTRACTOR SHALL PERFORM REVIEWS OF THE CONSTRUCTION AREA TO ENSURE COMPLIANCE WITH CONTRACT DOCUMENTS TO RESULT IN REGULARLY SCHEDULED INTERVALS AND AT THE DIRECTION OF THE ENGINEER,THE CONTRACTOR SHALL MAINTAIN A COPY OF THE TEMPORARY TRAFFIC CONTROL PLAN AT THE WORK SITE AT ALL TIMES.
- UNDER NO CIRCUMSTANCES WILL CONCURRENT CONSTRUCTION LEFT AND RIGHT OF ANY LANE BE ALLOWED UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR SHOWN ON THESE PLANS.
- EXISTING SURFACE,AGGREGATE BASE AND SUBBASE MATERIAL,WHICH WILL BE DEMOLISHED OR OBLITERATED DURING CONSTRUCTION AND WHICH IS SUITABLE FOR MAINTENANCE OF TRAFFIC AS DETERMINED BY THE ENGINEER SHALL BE SALVAGED AND UTILIZED FOR MAINTENANCE OF TRAFFIC PRIOR TO THE USE OF COMMERCIAL MATERIALS,WHEN NOT SPECIFIED AS A SEPARATE PAY ITEM. THE REMOVAL AND SALVAGING OF EXISTING SURFACES AND AGGREGATE BASE AND SUBBASE MATERIAL AND REUSE OF MATERIALS WILL BE MEASURED AND PAID FOR AS REGULAR EXCAVATION IN ACCORDANCE WITH SECTION 303 OF THE ROAD AND BRIDGE SPECIFICATIONS.
- ACCESS TO ADJACENT RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY EACH AFFECTED PROPERTY OWNER AT LEAST 48 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS.
- IF REQUIRED,THE CONTRACTOR SHALL PLACE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AT LOCATIONS APPROVED BY VDOT AND SHALL BE IN ACCORDANCE WITH THE VA WAPM.
- ALL EXISTING SIGNS,WHETHER SHOWN ON THE PLANS OR NOT,SHALL BE MAINTAINED AND RELOCATED AS NECESSARY THROUGHOUT THE LIFE OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.
- SIGN SPACING SHALL BE ADJUSTED TO FIT FIELD CONDITIONS WITH APPROVAL OF THE ENGINEER.
- ALL EXISTING SIGNS,WHETHER SHOWN ON THE PLANS OR NOT,THAT ARE TO REMAIN AND CONVEY A CONFLICTING MESSAGE TO THE TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED AT ALL TIMES FOR THE DURATION OF TEMPORARY TRAFFIC CONTROL SETUP.
- ALL SIGNING FOR THE PROJECT LIMITS SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISION OF THE VA WAPM.THESE SIGNS SHALL BE INSTALLED ON ALL STATE MAINTAINED ROADWAYS AND REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
- ALL CONSTRUCTION SIGNING SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF THE FOLLOWING DOCUMENTS:

VIRGINIA WORK AREA PROTECTION MANUAL (WAPM)
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
VIRGINIA SUPPLEMENT TO THE MUTCD
VIRGINIA ROAD AND BRIDGE SPECIFICATIONS
VIRGINIA ROAD AND BRIDGE STANDARDS
VDOT IIM-LD-241 / IIM-TE-351.5
VDOT IIM-TE-392 (IF APPLICABLE)

PUBLIC COMMUNICATIONS

- THE PUBLIC SHALL BE NOTIFIED OF THE EXPECTED SCHEDULE ON VDOT'S WEBSITE FOR THIS PROJECT. INFORMATION OF THE POTENTIAL FOR BACK-UPS DURING THE PEAK HOURS OF OPERATION IS PROVIDED BY THE REGIONAL TRAFFIC OPERATIONS CENTER.
 - THE CONTRACTOR SHALL PROVIDE ADVANCE NOTICE OF ALL CLOSURES TO THE ENGINEER WHO WILL COMMUNICATE WITH THE VDOT DISTRICT PUBLIC AFFAIRS SECTION,LOCAL AGENCY,FEDERAL AGENCIES AND SCHOOLS IN CLOSE PROXIMITY,RADIO AND TELEVISION,EMERGENCY SERVICES,AND VDOT TRAFFIC OPERATION CENTER AS DEEMED NECESSARY.
 - THE CONTRACTOR SHALL NOTIFY TRANSPORTATION OPERATIONS CENTER OF ANY LANE CLOSURES BY 8:00 AM OF THE THURSDAY PRIOR TO THE WEEK OF CLOSURE IN ORDER TO PLACE LANE CLOSURE INFORMATION ON THE 511 SYSTEM AND VA-TRAFFIC.
- POLICE/AMBULANCE/FIRE SAFETY /HAZMAT SPILLS - 911
TRAFFIC OPERATIONS CENTER - (703) 877-3449
VIRGINIA STATE POLICE - (703) 791-3101
LOCAL AGENCY - (703) 792-6825
- FOLLOWING ANY TRAFFIC INCIDENTS,THE SITE SHALL BE CLEARED AND RESTORED FOR NORMAL TRAFFIC OPERATIONS AS SOON AS POSSIBLE.
 - TRAFFIC INCIDENTS SHALL BE INVESTIGATED AND MEASURES INTRODUCED TO REDUCE OCCURRENCES,IF NECESSARY,THE TRANSPORTATION MANAGEMENT PLAN MAY BE REVISED IN CONSULTATION WITH THE ENGINEER.

TRANSPORTATION OPERATIONS

- THE PUBLIC AFFAIRS SECTION AND THE TRAFFIC OPERATIONS CENTER SHALL BE NOTIFIED BY THE CONSTRUCTION PROJECT MANAGER OF LANE CLOSURE INFORMATION FOR DISTRIBUTION ON THE 511 SYSTEM AND VOIS.
- THE CONSTRUCTION PROJECT MANAGER SHALL BE NOTIFIED ONE WEEK IN ADVANCE OF LANE CLOSURES.
- EMERGENCY RESPONSE PROFESSIONALS SHALL RESPOND TO TRAFFIC INCIDENTS IN THE WORK ZONE AS SOON AS POSSIBLE.
- BY NOON ON EACH THURSDAY,THE CONTRACTOR WILL SUBMIT TO THE CONSTRUCTION PROJECT MANAGER IN WRITING,A REQUEST FOR LANE CLOSURES FOR THE FOLLOWING WEEK.
- THE FOLLOWING IS THE CONTACT LIST OF EMERGENCY RESPONSE AGENCIES IN CASE AN INCIDENT OCCURS IN THE WORK ZONE:

POLICE/AMBULANCE/FIRE SAFETY /HAZMAT SPILLS - 911
TRAFFIC OPERATIONS CENTER - (703) 877-3449
VIRGINIA STATE POLICE - (703) 791-3101
LOCAL AGENCY - (703) 792-6825

TEMPORARY TRAFFIC CONTROL

- THIS TRANSPORTATION MANAGEMENT PLAN HAS BEEN DESIGNED IN CONFORMANCE WITH A TYPE B, CATEGORY III PROJECT.
- LANE CLOSURES OR WORK THAT RESTRICTS TRAFFIC FLOW WILL NOT BE PERMITTED FROM NOON THE DAY BEFORE A HOLIDAY UNTIL NOON THE DAY AFTER A HOLIDAY UNLESS APPROVED BY THE ENGINEER.
- WHEN A HOLIDAY FALLS ON A FRIDAY,LANE CLOSURES ARE NOT PERMITTED FROM NOON ON THURSDAY TO NOON ON MONDAY,WHEN A HOLIDAY FALLS ON MONDAY,LANE CLOSURES ARE NOT PERMITTED FROM NOON ON FRIDAY TO NOON ON TUESDAY,FURTHER,AS THE THANKSGIVING DAY HOLIDAY OCCURS ON A THURSDAY, THE LANE CLOSURE WILL NOT BE PERMITTED FROM NOON ON WEDNESDAY UNTIL NOON ON THE FOLLOWING MONDAY.
- THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER FOR ANY PLANNED CLOSURE NOT ANTICIPATED BY THIS TRANSPORTATION MANAGEMENT PLAN.
- THE CONTRACTOR SHALL SUBMIT REQUESTS FOR LANE CLOSURE TO VDOT A MINIMUM OF ONE WEEK IN ADVANCE OF THE LANE CLOSURE.
- PRIOR TO CLOSING LANES OF A ROADWAY OR DETOURING TRAFFIC,LOCAL FIRE,RESCUE,AND LAW ENFORCEMENT SHALL BE NOTIFIED BY THE ENGINEER,IN THE EVENT AN ACCEPTABLE ALTERNATE ROUTING FOR EMERGENCY SERVICES CANNOT BE OBTAINED,THE CONTRACTOR SHALL MAKE ACCOMMODATIONS TO ROUTE EMERGENCY VEHICLES SAFELY THROUGH THE WORK ZONE UNDER APPROVAL AND DIRECTION OF THE ENGINEER.
- THE CONTRACTOR SHALL START LANE CLOSURE ACTIVITIES WITHIN THE SPECIFIED OFF PEAK HOURS.NO ROAD PREPARATION ACTIVITY ALLOWED DURING THE PEAK HOURS.THE CONTRACTOR SHALL CLEAR THE TEMPORARY LANE CLOSURE SET-UP WITHIN THE OFF PEAK HOURS.
- LANE CLOSURES WILL NOT BE PERMITTED DURING THE PEAK HOURS UNLESS DIRECTED BY THE ENGINEER.

PEAK HOURS: 6:00 AM TO 9:00 AM AND 3:30 PM TO 6:30 PM
NON-PEAK HOURS: 9:00 AM TO 3:30 PM AND 6:30 PM TO 6:00 AM

ALLOWABLE LANE CLOSURE HOURS (SINGLE LANE)				
WEEKDAY		WEEKEND		
MONDAY - THURSDAY	FRIDAY	FRIDAY - SATURDAY	SATURDAY - SUNDAY	SUNDAY - MONDAY
9:00 AM TO 3:30 PM 9:00 PM TO 5:00 AM	9:00 AM TO 2:00 PM	9:00 PM TO 9:00 AM	9:00 PM TO 9:00 AM	10:00 PM TO 5:00 AM

ALLOWABLE LANE CLOSURE HOURS (MULTIPLE LANES)				
WEEKDAY		WEEKEND		
MONDAY - THURSDAY	FRIDAY	FRIDAY - SATURDAY	SATURDAY - SUNDAY	SUNDAY - MONDAY
9:00 PM TO 5:00 AM	10:00 PM TO 12:00 AM	10:00 PM TO 6:00 AM	10:00 PM TO 6:00 AM	10:00 PM TO 5:00 AM

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	0639-076-348 R-201,C-501		IHK(I)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				

TYPICAL TRAFFIC CONTROL FIGURES

THE FOLLOWING TYPICAL TRAFFIC CONTROL (TTC) FIGURES FROM THE VA WAPM HAVE BEEN PROPOSED FOR THE USE, GUIDANCE, AND APPLICATION ON THIS PROJECT:

FIGURE TTC-13.2	MOVING/MOBILE OPERATIONS ON A MULTI-LANE ROADWAY
FIGURE TTC-15.2	SHORT DURATION OPERATION ON A MULTI-LANE ROADWAY
FIGURE TTC-16.2	OUTSIDE LANE CLOSURE OPERATION ON A FOUR-LANE ROADWAY
FIGURE TTC-17.2	INSIDE LANE CLOSURE OPERATION ON A FOUR-LANE ROADWAY
FIGURE TTC-27.2	LANE CLOSURE OPERATION - FAR SIDE OF AN INTERSECTION
FIGURE TTC-29.2	TURN LANE CLOSURE OPERATION
FIGURE TTC-35J	SIDEWALK CLOSURE AND BYPASS SIDEWALK OPERATION
FIGURE TTC-36.2	CROSSWALK CLOSURE AND PEDESTRIAN DETOUR OPERATION
FIGURE TTC-53.0	SIGNING FOR PROJECT LIMITS
FIGURE TTC-57.2	END OF DAY SIGNING FOR PARTIAL PAVING OPERATIONS ON A MULTI-LANE ROADWAY
FIGURE TTC-58J	END OF DAY SIGNING FOR FULL PAVING OPERATIONS ON A MULTI-LANE ROADWAY

N/A	PROJECT 0639-076-348	SHEET NO. IHK(I)
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60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER MEKDES, TABOR (703-792-8137) -----
 SURVEYED BY, DATE JMI, AUGUST 2024 -----
 DESIGN BY JMI, (703) 464-7369 -----
 SUBSURFACE UTILITY BY, DATE JMI, AUGUST 2024 -----

MOT & SOC PLANS

SEQUENCE OF CONSTRUCTION AND SIGN SCHEDULE

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				

SEQUENCE OF CONSTRUCTION

- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, SIGNING FOR PROJECT LIMITS SHALL BE INSTALLED AS SHOWN IN FIGURE TTC-53.0 OF THE VA WAPM FOR PROJECT DURATIONS EQUAL TO OR GREATER THAN 60 DAYS.
- ALL EROSION AND SEDIMENT CONTROL MEASURES AND TEMPORARY DRAINAGE SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL SCHEDULE ALL PHASES OF CONSTRUCTION IN SUCH A MANNER THAT WATER, SANITARY SEWER, CABLE, FIBER, CABLE/OPTIC CABLE, AND ANY OVERHEAD OR UNDERGROUND UTILITY SERVICES WILL NOT BE INTERRUPTED.

UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PLAN AND EXECUTE THE WORK IN ACCORDANCE WITH THE FOLLOWING SUGGESTED SEQUENCE OF CONSTRUCTION:

PHASE 1:

- CLOSE GORDON BLVD RTE 123 NORTHBOUND RIGHT TURN LANE AND RTE 123 SOUTHBOUND LEFT TURN LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-16.2 AND FIGURE TTC-29.2 RESPECTIVELY.
- CLOSE EXISTING GORDON PLAZA EXIT LANES AND ENTRANCE LANES AT LOCATIONS SHOWN ON PLANS
- CLOSE HORNER ROAD EASTBOUND THRU LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-27.2. NO CONSTRUCTION VEHICLES SHALL USE THE HORNER ROAD THRU LANE TO ACCESS THE MARINA WAY CONSTRUCTION SITE OR ADJACENT GORDON PLAZA CONSTRUCTION SITE.
- CLOSE ANNAPOLIS WAY SOUTHBOUND OUTSIDE LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-16.2.
- INSTALL ADVANCE WARNING SIGNS AND GROUP 2 CHANNELIZING DEVICES AS SHOWN ON PLANS.
- INSTALL TEMPORARY ESC DRAINAGE DITCH AND SEDIMENT POND AT LOCATIONS SHOWN ON PLANS.
- INSTALL TEMPORARY ACCESS POINT FOR CONSTRUCTION OF ADJACENT GORDON DEVELOPMENT AT STA. 103+80 AS SHOWN ON PLANS.
- MODIFY LOCATION OF WESTBOUND TRAFFIC SIGNAL HEADS AT RTE 123 INTERSECTION TO ALIGN WITH EXISTING GORDON PLAZA ENTRANCE LANES.
- OPEN EXISTING GORDON PLAZA ENTRANCE LANES TO 2-WAY CONSTRUCTION TRAFFIC.
- DEMO EXISTING SIDEWALK, CURB & GUTTER, RAISED MEDIAN, AND PAVEMENT AS SHOWN IN PLANS.
- INSTALL THE PROPOSED SIDEWALK, CURBS, GUTTERS, RAISED CONCRETE MEDIAN, DROP INLETS, STORM SEWER PIPES, AND FULL DEPTH PAVEMENT AT LOCATIONS SHOWN ON PLANS.
- INSTALL PROPOSED TRAFFIC SIGNING AND PAVEMENT MARKINGS AS SHOWN ON PLANS. TRAFFIC CONTROL FOR STRIPING OPERATIONS SHALL BE IN ACCORDANCE WITH FIGURE TTC-15.2.

PHASE 2:

- CLOSE EXISTING GORDON PLAZA ENTRANCE LANES AT LOCATIONS SHOWN ON PLANS.
- CLOSE GORDON BLVD RTE 123 SOUTHBOUND INSIDE THRU LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-17.2.
- INSTALL ADVANCE WARNING SIGNS AND GROUP 2 CHANNELIZING DEVICES AS SHOWN ON PLANS.
- MODIFY LOCATION OF WESTBOUND TRAFFIC SIGNAL HEADS AT RTE 123 INTERSECTION TO ALIGN WITH PROPOSED MARINA WAY WESTBOUND LANES.
- OPEN PROPOSED MARINA WAY WESTBOUND LANES TO 2-WAY TRAFFIC AT RTE 123 INTERSECTION. OPEN PROPOSED MARINA WAY WESTBOUND AND EASTBOUND LANES FROM ENTRANCE 1 TO ENTRANCE 6. OPEN PROPOSED ENTRANCES 1-6 FOR ACCESS TO GORDON PLAZA DEVELOPMENT.
- DEMO EXISTING SIDEWALK, CURB & GUTTER, RAISED MEDIAN, AND PAVEMENT AS SHOWN IN PLANS. EXISTING SIGNAL POLES TO REMAIN IN OPERATION UNTIL CONSTRUCTION OF PROPOSED SIGNAL POLES IS COMPLETE.
- INSTALL THE PROPOSED SIDEWALK, CURBS, GUTTERS, RAISED CONCRETE MEDIAN, TRAFFIC EQUIPMENT, CONDUITS, SIGNAL POLES, DROP INLETS, STORM SEWER PIPES, AND FULL DEPTH PAVEMENT AT LOCATIONS SHOWN ON PLANS.
- INSTALL PROPOSED TRAFFIC SIGNING AND PAVEMENT MARKINGS AS SHOWN ON PLANS. TRAFFIC CONTROL FOR STRIPING OPERATIONS SHALL BE IN ACCORDANCE WITH FIGURE TTC-15.2.
- DEMO EXISTING SIGNAL POLES AT HORNER RD - RTE 123 INTERSECTION AS SHOWN ON PLANS. RETAIN EXISTING CONCRETE SIGNAL FOUNDATION LOCATED IN RAISED MEDIAN ISLAND AT SOUTH QUADRANT OF HORNER RD - RTE 123 INTERSECTION.

PHASE 3A:

- OPEN PROPOSED MARINA WAY EASTBOUND LANES AT RTE 123 INTERSECTION.
- CLOSE ANNAPOLIS WAY SOUTHBOUND INSIDE LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-17.2 AND FIGURE TTC-27.2.
- CLOSE ANNAPOLIS WAY NORTHBOUND LEFT TURN LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-29.2
- INSTALL ADVANCE WARNING SIGNS AND GROUP 2 CHANNELIZING DEVICES AS SHOWN ON PLANS.
- DEMO EXISTING RAISED MEDIAN AND PAVEMENT AS SHOWN IN PLANS.
- INSTALL THE PROPOSED RAISED CONCRETE MEDIAN AND FULL DEPTH PAVEMENT AS SHOWN ON PLANS.
- INSTALL PROPOSED TRAFFIC SIGNING AND PAVEMENT MARKINGS ON SHOWN ON PLANS. TRAFFIC CONTROL FOR STRIPING OPERATIONS SHALL BE IN ACCORDANCE WITH FIGURE TTC-15.2.


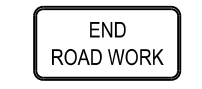


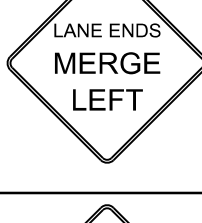
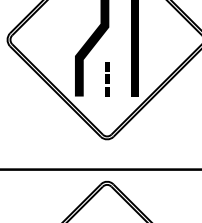
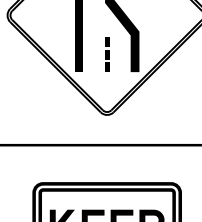
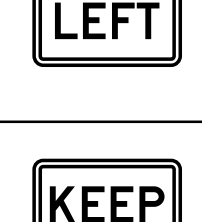

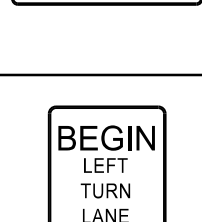
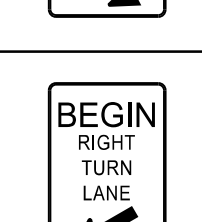
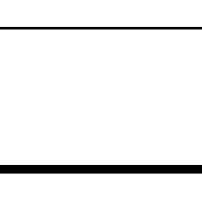
PHASE 3B:



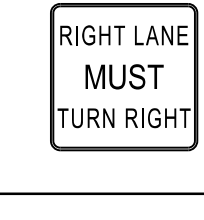

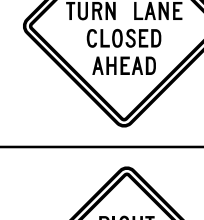
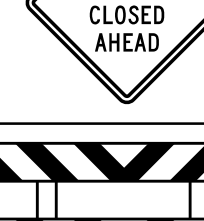
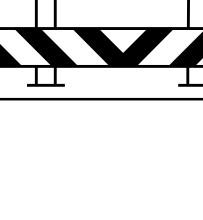
- OPEN ANNAPOLIS WAY SOUTHBOUND INSIDE LANE AND NORTHBOUND LEFT TURN LANE AT LOCATIONS SHOWN ON PLANS.
- CLOSE ANNAPOLIS WAY SOUTHBOUND OUTSIDE LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-16.2.
- INSTALL ADVANCE WARNING SIGNS AND GROUP 2 CHANNELIZING DEVICES AS SHOWN ON PLANS.
- CLOSE EXISTING SIDEWALKS AT LOCATIONS SHOWN ON PLANS. INSTALL SIDEWALK DIVERSIONS WITH TEMPORARY TRAFFIC BARRIERS IN ACCORDANCE WITH TTC FIGURE 35J.
- DEMO EXISTING SIDEWALK, CURB & GUTTERS, RETAINING WALL, AND PAVEMENT AS SHOWN IN PLANS.
- INSTALL THE PROPOSED SIDEWALK, CURBS, GUTTERS, AND FULL DEPTH PAVEMENT AT LOCATIONS SHOWN ON PLANS.

PHASE 4:

- OPEN ANNAPOLIS WAY SOUTH BOUND LANE AT LOCATIONS SHOWN ON PLANS.
- OPEN PROPOSED ENTRANCES 9 - 10 FOR ACCESS TO 991 ANNAPOLIS WAY PROPERTY.
- CLOSE ANNAPOLIS WAY SOUTHBOUND OUTSIDE LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-16.2.
- CLOSE ANNAPOLIS WAY NORTHBOUND TURN LANE AT LOCATIONS SHOWN ON PLANS IN ACCORDANCE WITH FIGURE TTC-29.2.
- INSTALL ADVANCE WARNING SIGNS AND GROUP 2 CHANNELIZING DEVICES AS SHOWN ON PLANS.
- DEMO EXISTING SIDEWALK, CURB & GUTTER, AND FULL DEPTH PAVEMENT AS SHOWN IN PLANS. CLEAR AND GRUB LAND AT LOCATIONS OF PROPOSED MARINA WAY ROADWAY.
- INSTALL THE PROPOSED SIDEWALK, CURBS, GUTTERS, RAISED CONCRETE MEDIAN, DROP INLETS, STORM SEWER PIPES, STORMWATER MANAGEMENT POND, AND FULL DEPTH PAVEMENT AT LOCATIONS SHOWN ON PLANS.
- INSTALL PROPOSED TRAFFIC SIGNING AND PAVEMENT MARKINGS AS SHOWN ON PLANS. TRAFFIC CONTROL FOR STRIPING OPERATIONS SHALL BE IN ACCORDANCE WITH FIGURE TTC-15.2.
- OPEN ANNAPOLIS WAY SOUTHBOUND OUTSIDE LANE AT LOCATIONS SHOWN ON PLANS.
- OPEN PROPOSED MARINA WAY AT ANNAPOLIS WAY INTERSECTION. OPEN PROPOSED ENTRANCES 7 - 8.
- OPEN PROPOSED STORMWATER MANAGEMENT POND ENTRANCE.

SIGN SCHEDULE

SIGN	STD. NO.	PANEL SIZE	QUANTITY
	W20-1	48"x48"	3
	G20-2 (V)	48"x30"	3
	W9-3L	48"x48"	2
	W9-3R	48"x48"	2
	W9-2L	48"x48"	1
	W4-2L	48"x48"	2
	W4-2R	48"x48"	2
	R4-V7L	48"x48"	3
	R4-V7R	48"x48"	2
	R11-2	48"x30"	10
	R3-20L	24"x36"	1
	R3-20R	24"x36"	1

SIGN	STD. NO.	PANEL SIZE	QUANTITY
	R9-9	30"x18"	4
	W11-V2	48"x48"	1
	R3-7R	30"x30"	1
	R3-2	48"x48"	1
	W20-V13L	48"x48"	1
	W20-V13R	48"x48"	2
	TYPE 3 BARRICADE		14

N/A	PROJECT 0639-076-348	SHEET NO. IHK(2)
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60% PLANS
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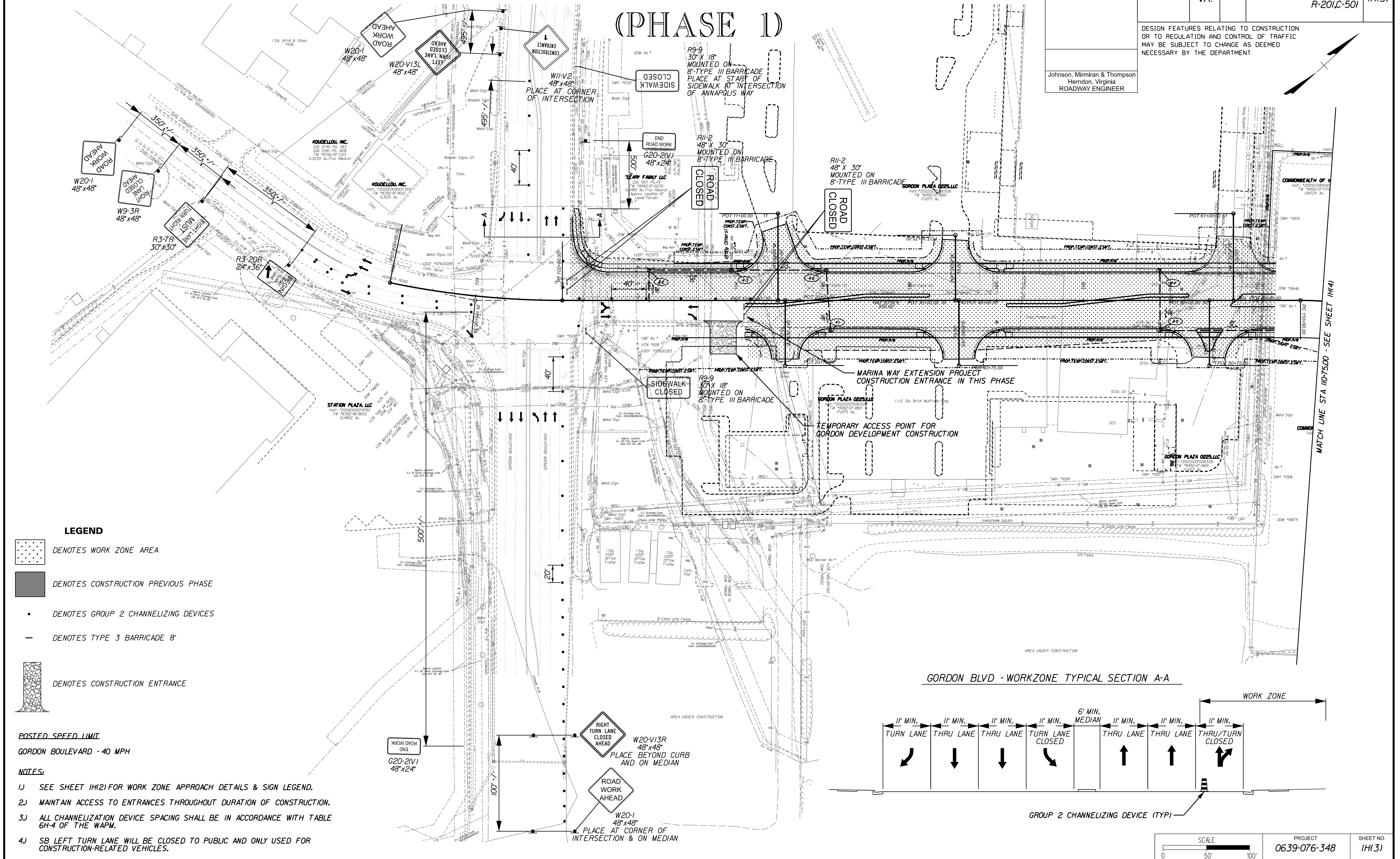
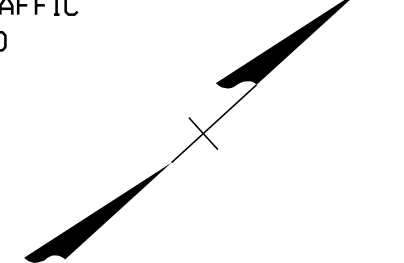
PROJECT MANAGER_MKDES_TLABOR (703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

MOT & SOC PLANS (PHASE 1)

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0639-076-348 R-201C-501	IHK(3)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Herndon, Virginia
ROADWAY ENGINEER



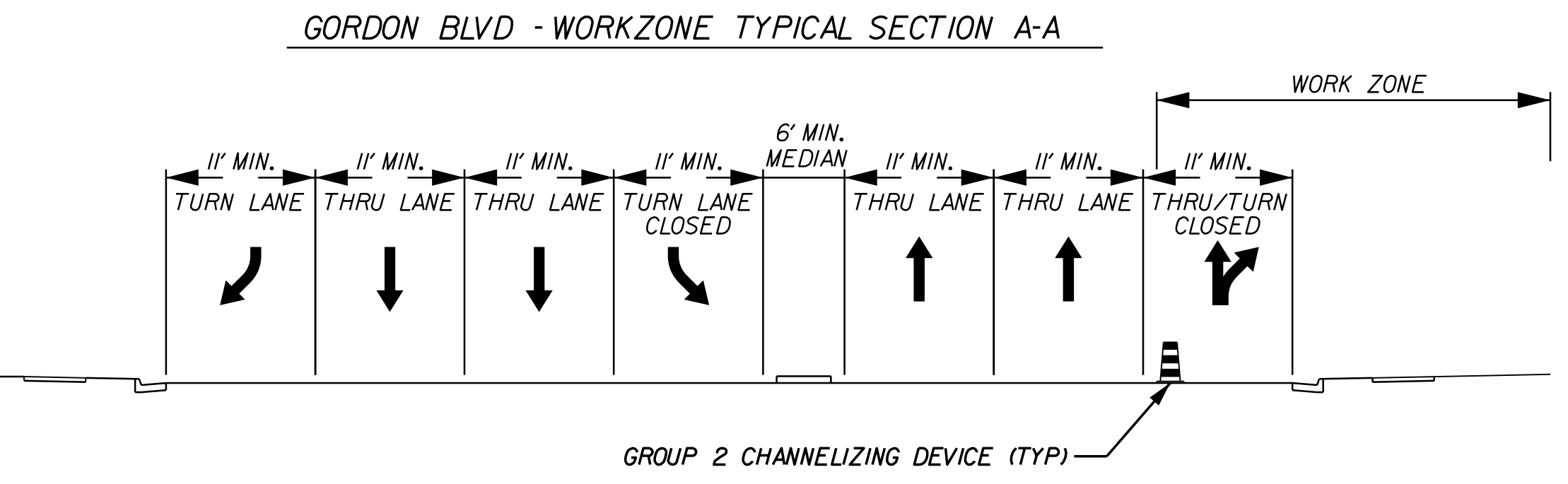
LEGEND

- DENOTES WORK ZONE AREA
- DENOTES CONSTRUCTION PREVIOUS PHASE
- DENOTES GROUP 2 CHANNELIZING DEVICES
- DENOTES TYPE 3 BARRICADE 8'
- DENOTES CONSTRUCTION ENTRANCE

POSTED SPEED LIMIT
GORDON BOULEVARD - 40 MPH

NOTES:

- SEE SHEET IH(2) FOR WORK ZONE APPROACH DETAILS & SIGN LEGEND.
- MAINTAIN ACCESS TO ENTRANCES THROUGHOUT DURATION OF CONSTRUCTION.
- ALL CHANNELIZING DEVICE SPACING SHALL BE IN ACCORDANCE WITH TABLE 6H-4 OF THE WAPM.
- SB LEFT TURN LANE WILL BE CLOSED TO PUBLIC AND ONLY USED FOR CONSTRUCTION-RELATED VEHICLES.



SCALE 0 50' 100'	PROJECT 0639-076-348	SHEET NO. IHK(3)
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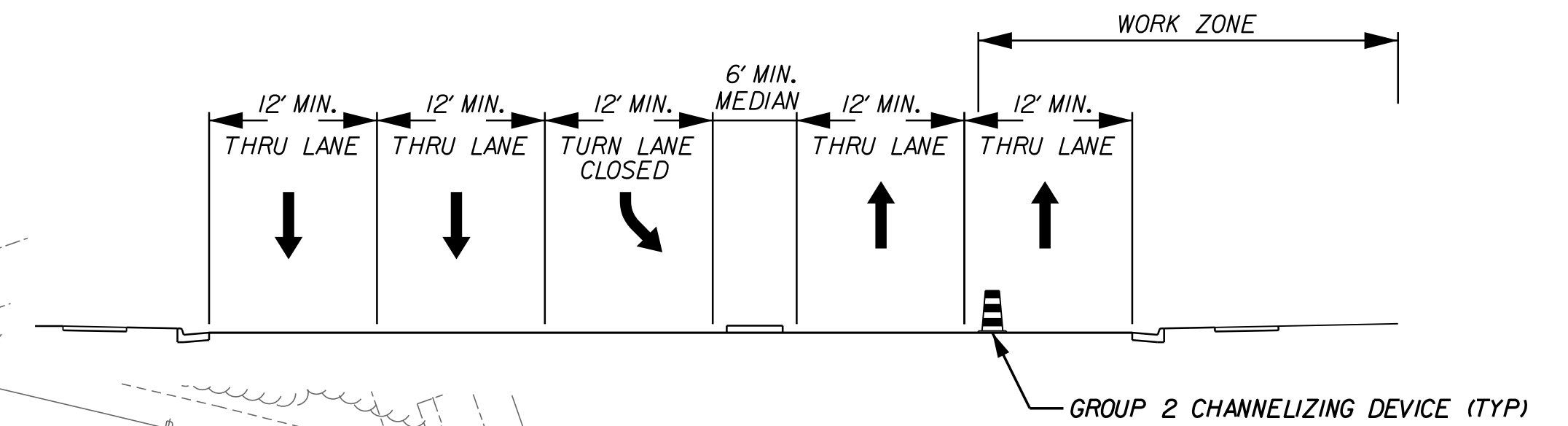
MATCH LINE STA 10+7500 - SEE SHEET IH(4)

PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI_,AUGUST_2024
DESIGN BY_JMI_(703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI_,AUGUST_2024

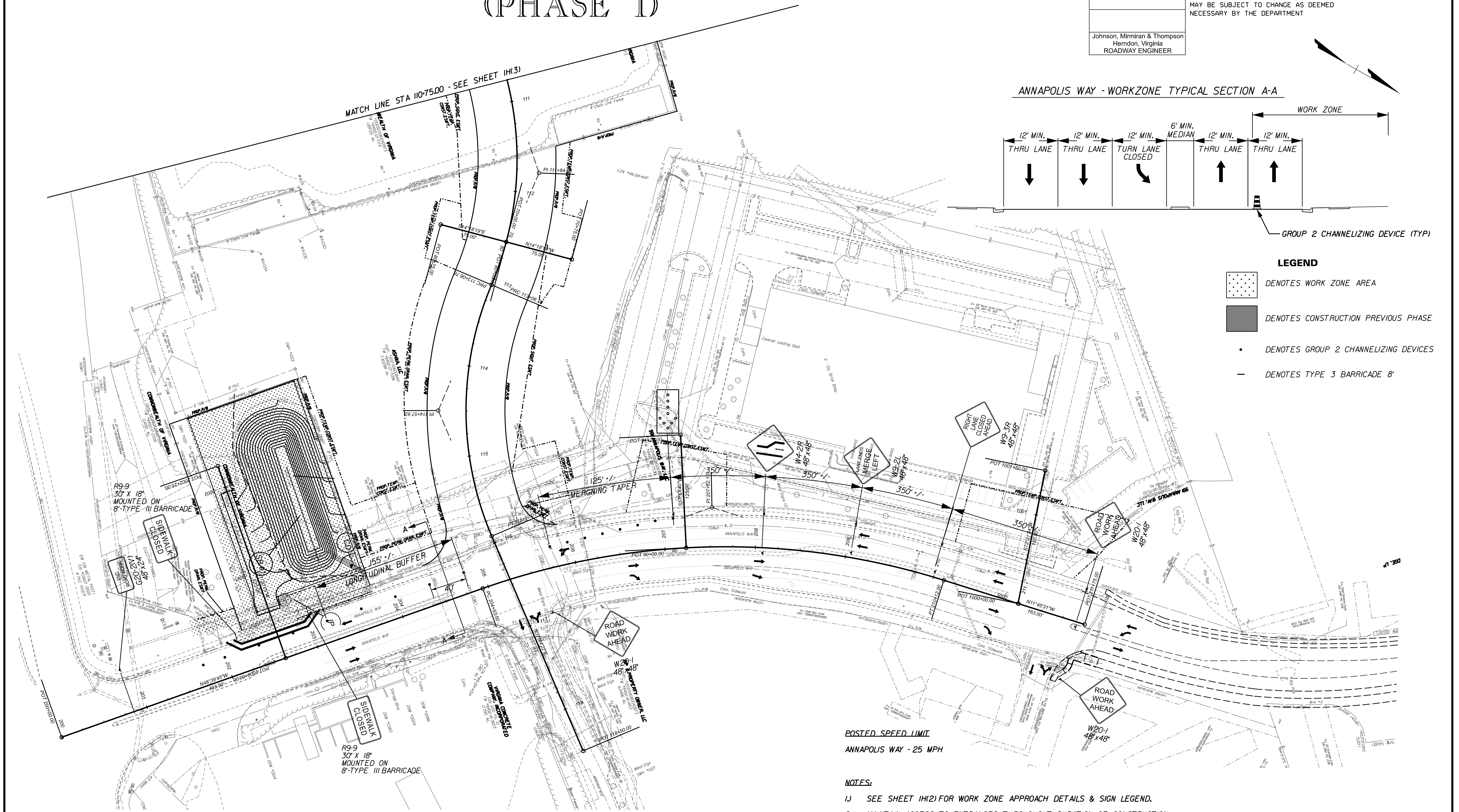
MOT & SOC PLANS (PHASE 1)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-501	1H(4)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				

ANNAPOLIS WAY - WORKZONE TYPICAL SECTION A-A



- LEGEND**
- DENOTES WORK ZONE AREA
 - DENOTES CONSTRUCTION PREVIOUS PHASE
 - DENOTES GROUP 2 CHANNELIZING DEVICES
 - DENOTES TYPE 3 BARRICADE 8'



POSTED SPEED LIMIT
ANNAPOLIS WAY - 25 MPH

- NOTES:**
- 1) SEE SHEET 1H(2) FOR WORK ZONE APPROACH DETAILS & SIGN LEGEND.
 - 2) MAINTAIN ACCESS TO ENTRANCES THROUGHOUT DURATION OF CONSTRUCTION.
 - 3) ALL CHANNELIZATION DEVICE SPACING SHALL BE IN ACCORDANCE WITH TABLE 6H-4 OF THE WAPM.

SCALE 0 50' 100'	PROJECT 0639-076-348	SHEET NO. 1H(4)
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60% PLANS
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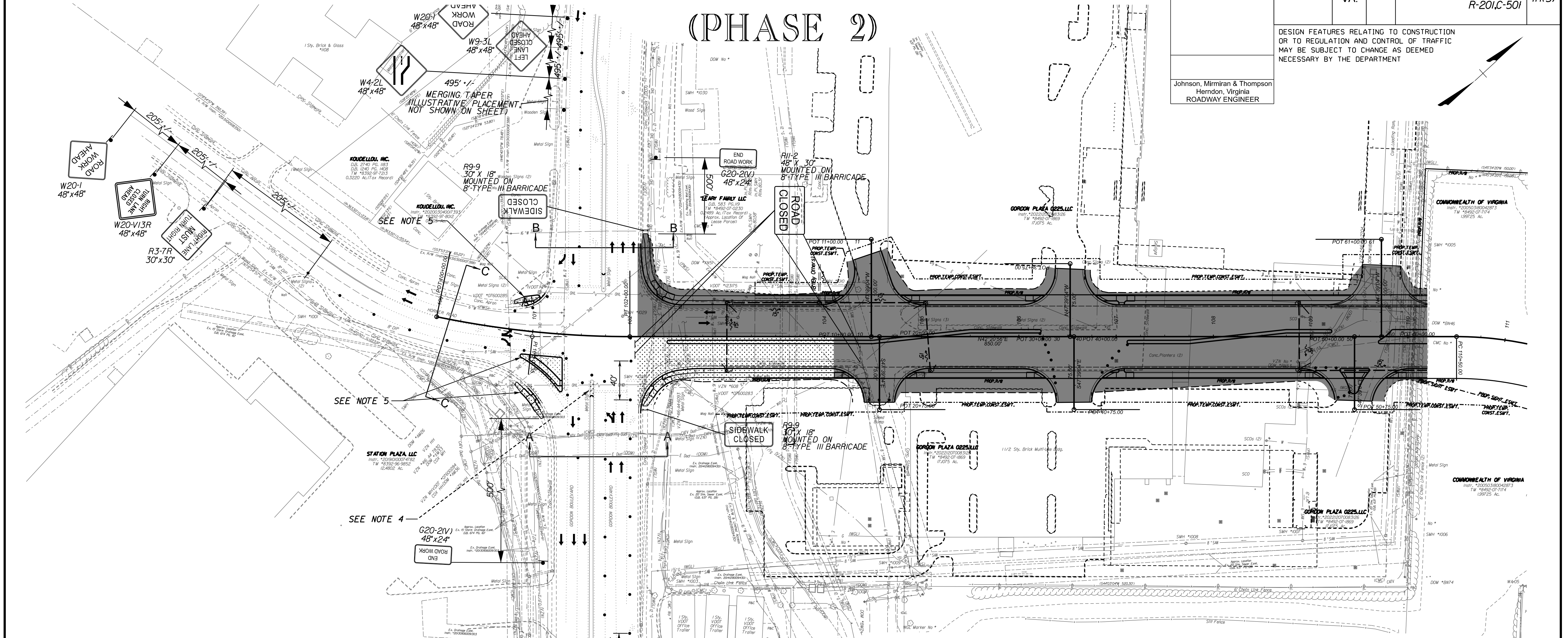
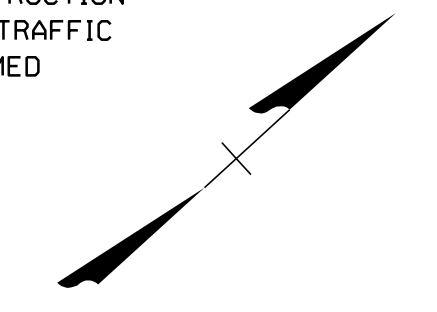
PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI_AUGUST_2024
DESIGN BY_JMI_(703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024

MOT & SOC PLANS (PHASE 2)

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0639-076-348 R-201C-501	1H(5)

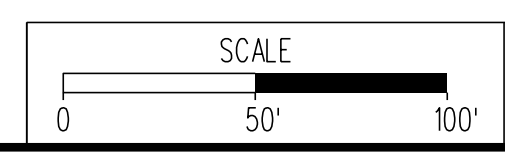
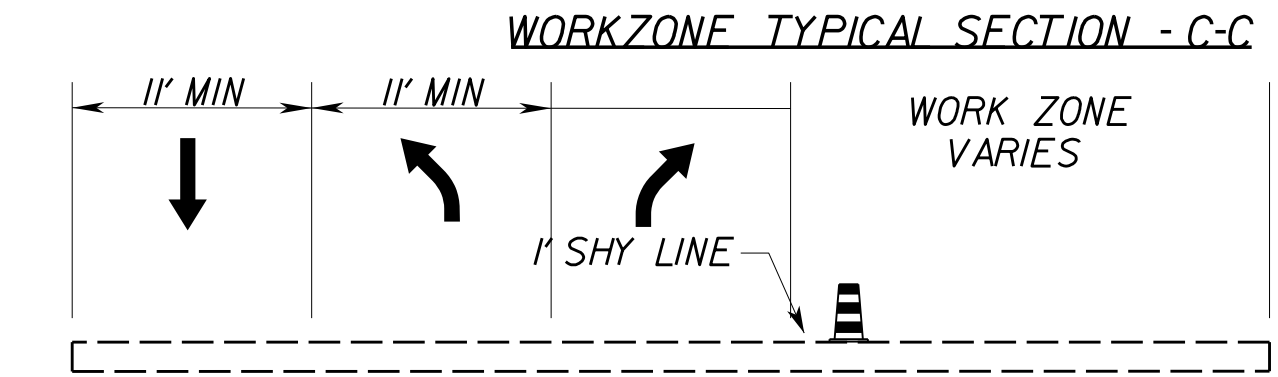
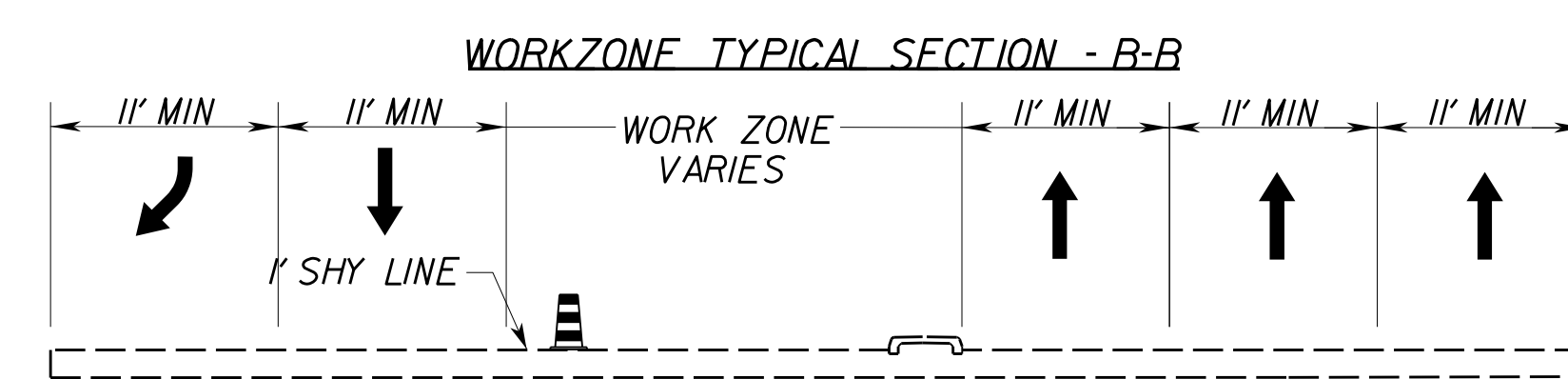
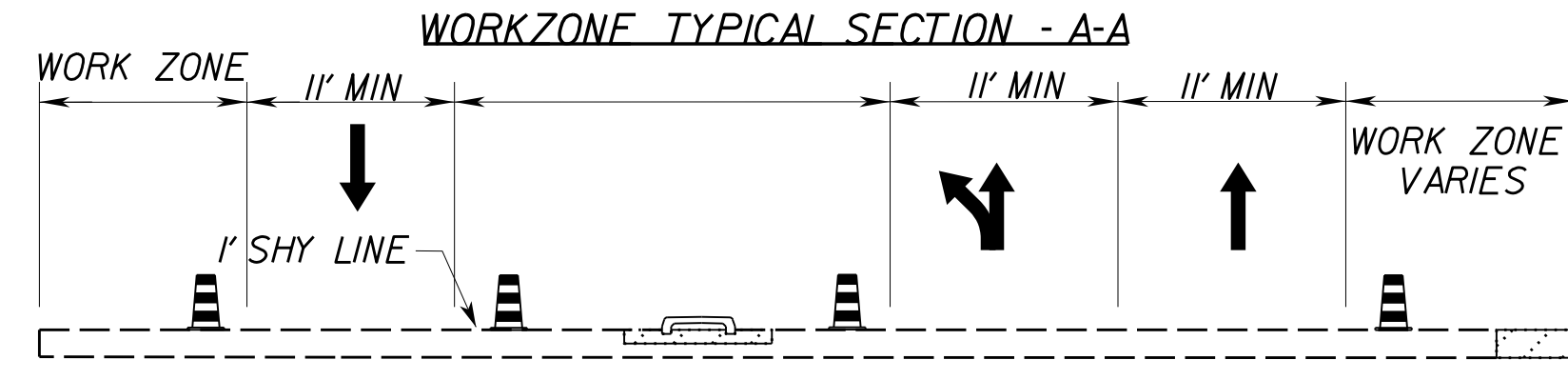
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Herndon, Virginia
ROADWAY ENGINEER



- LEGEND**
- DENOTES WORK ZONE AREA
 - DENOTES CONSTRUCTION PREVIOUS PHASE
 - DENOTES GROUP 2 CHANNELIZING DEVICES
 - DENOTES TYPE 3 BARRICADE 8'
- POSTED SPEED LIMIT**
ANNAPOLIS WAY - 25 MPH

- NOTES:**
- 1.) SEE SHEET 1H(2) FOR WORK ZONE APPROACH DETAILS & SIGN LEGEND.
 - 2.) MAINTAIN ACCESS TO ENTRANCES THROUGHOUT DURATION OF CONSTRUCTION.
 - 3.) ALL CHANNELIZATION DEVICE SPACING SHALL BE IN ACCORDANCE WITH TABLE 6H-4 OF THE WAPM.
 - 4.) CONSTRUCT DURING SHORT-TERM TURN LANE CLOSURES. FOLLOW TURN LANE CLOSURE OPERATION TTC-29.2 OF THE WAPM.
 - 5.) CONSTRUCT DURING SHORT-TERM TURN LANE CLOSURES. FOLLOW TURN LANE CLOSURE OPERATION TTC-36.2 OF THE WAPM.



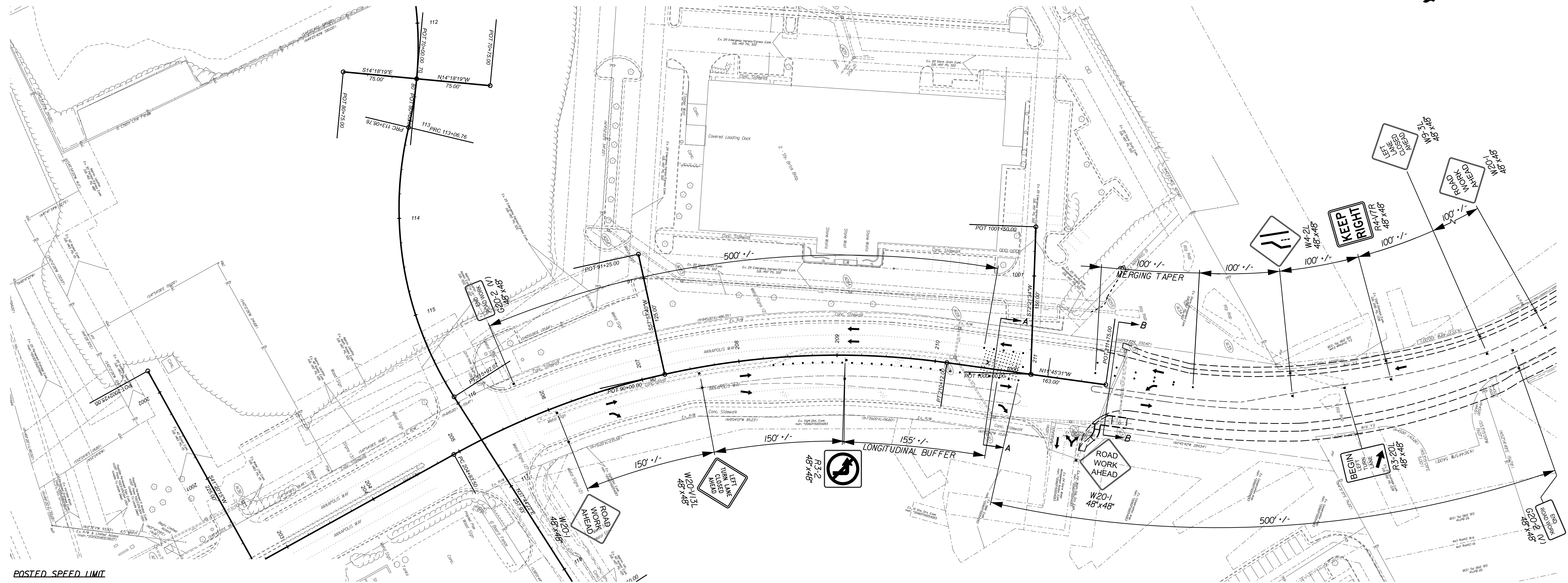
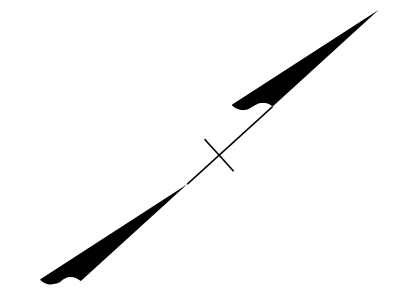
PROJECT	SHEET NO.
0639-076-348	1H(5)

60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST_2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST_2024

MOT & SOC PLANS (PHASE 3A)

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0639-076-348 R-201C-501	1H(6)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER					

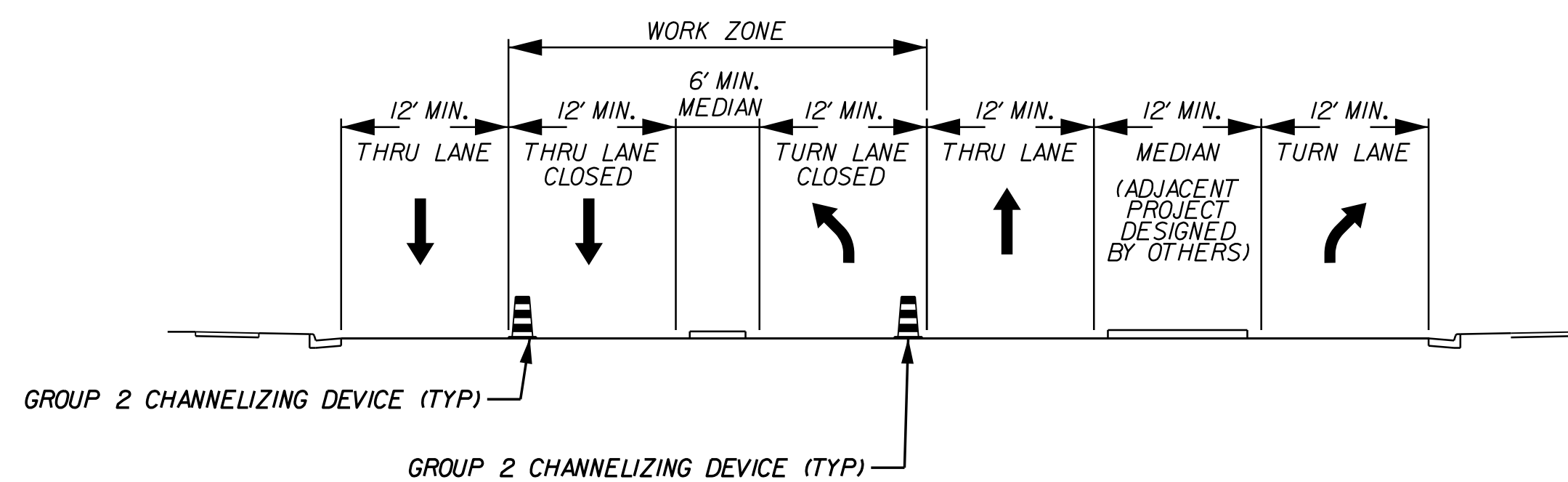


POSTED SPEED LIMIT
ANNAPOLIS WAY - 25 MPH

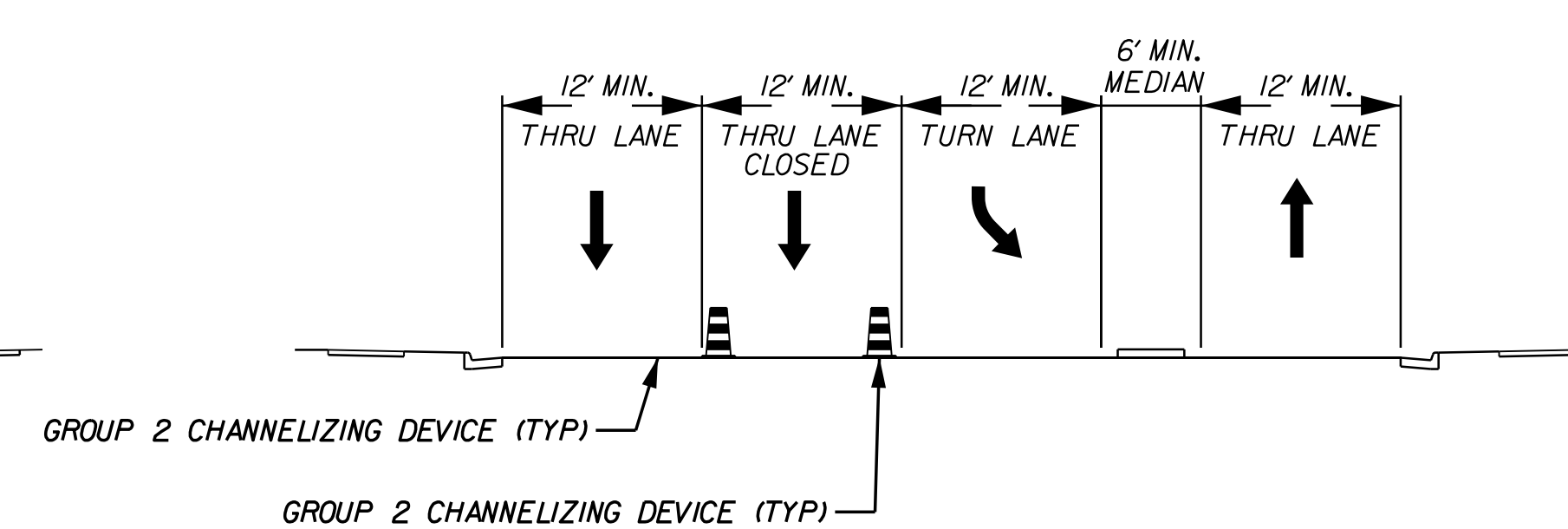
- NOTES:**
- SEE SHEET 1H(2) FOR WORK ZONE APPROACH DETAILS & SIGN LEGEND.
 - MAINTAIN ACCESS TO ENTRANCES THROUGHOUT DURATION OF CONSTRUCTION.
 - ALL CHANNELIZATION DEVICE SPACING SHALL BE IN ACCORDANCE WITH TABLE 6H-4 OF THE WAPM.

- LEGEND**
- DENOTES WORK ZONE AREA
 - DENOTES CONSTRUCTION PREVIOUS PHASE
 - DENOTES GROUP 2 CHANNELIZING DEVICES
 - DENOTES TEMPORARY SIGN
 - DENOTES TYPE 3 BARRICADE 8'

ANNAPOLIS WAY - WORKZONE TYPICAL SECTION A-A



ANNAPOLIS WAY - WORKZONE TYPICAL SECTION B-B



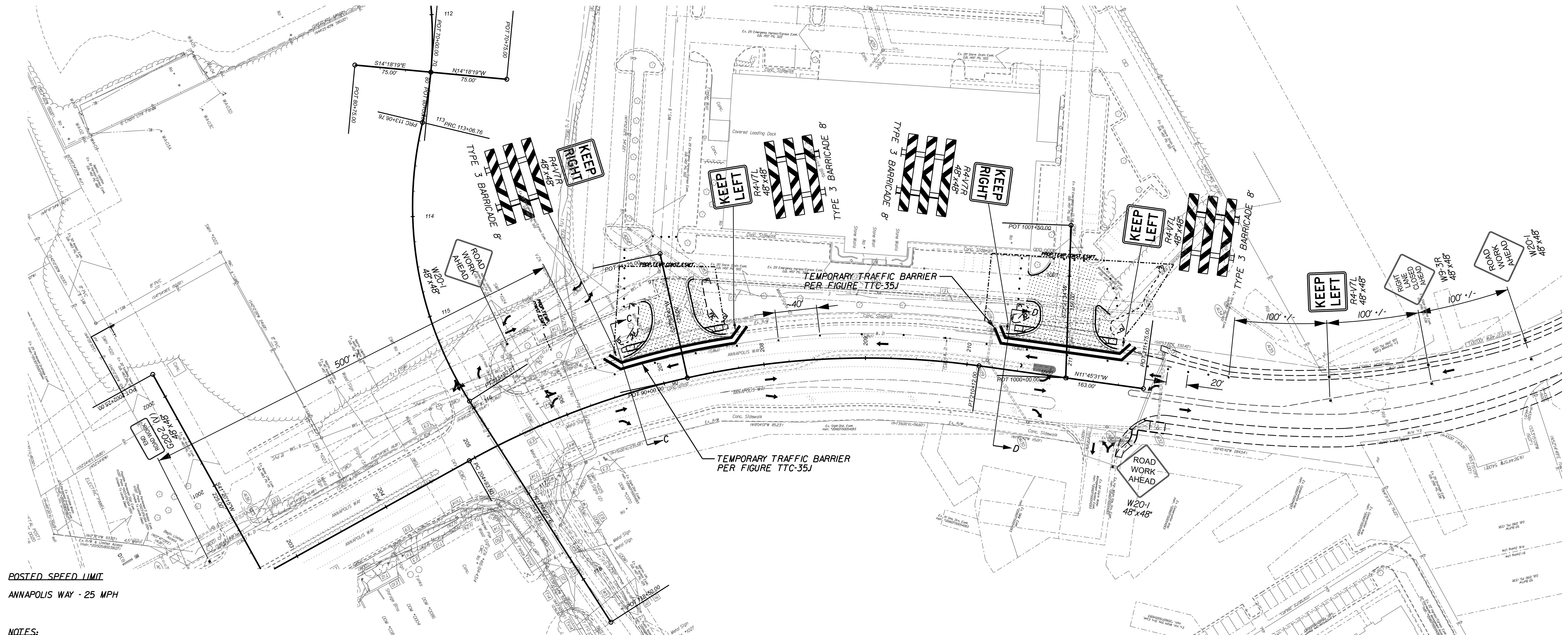
SCALE 0 50' 100'	PROJECT 0639-076-348	SHEET NO. 1H(6)
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60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI_,AUGUST_2024
DESIGN BY_JMI_(703)464-7369
SUBSURFACE UTILITY BY, DATE_JMI_,AUGUST_2024

MOT & SOC PLANS (PHASE 3B)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-501	1H(7)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				



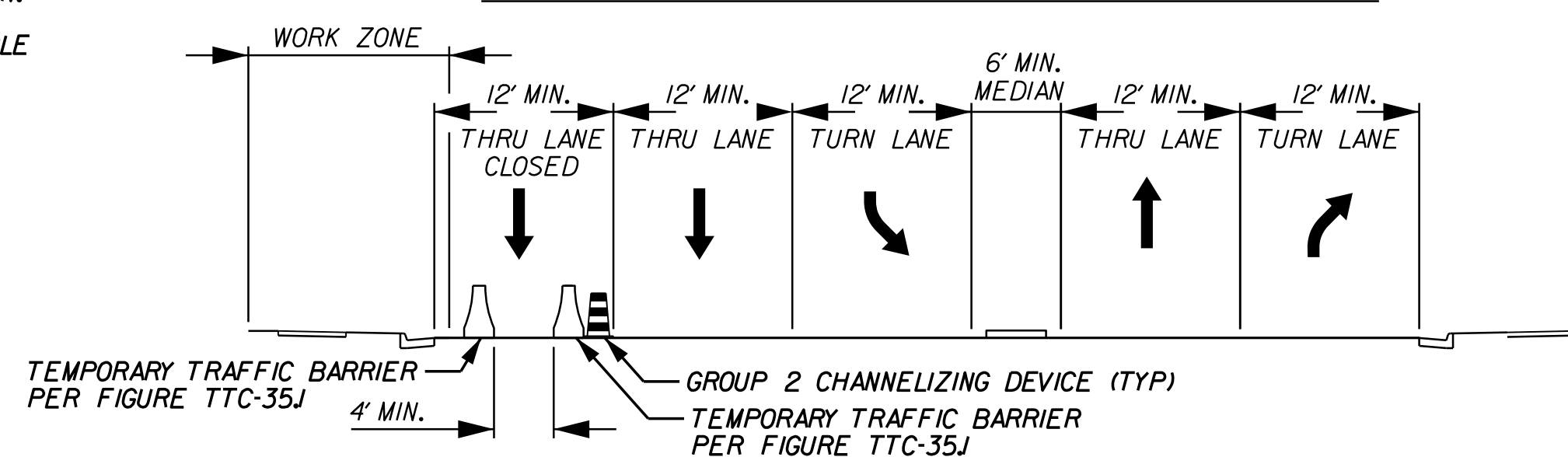
POSTED SPEED LIMIT
ANNAPOLIS WAY - 25 MPH

- NOTES:**
- SEE SHEET 1H(2) FOR WORK ZONE APPROACH DETAILS & SIGN LEGEND.
 - MAINTAIN ACCESS TO ENTRANCES THROUGHOUT DURATION OF CONSTRUCTION.
 - ALL CHANNELIZATION DEVICE SPACING SHALL BE IN ACCORDANCE WITH TABLE 6H-4 OF THE WAPM.

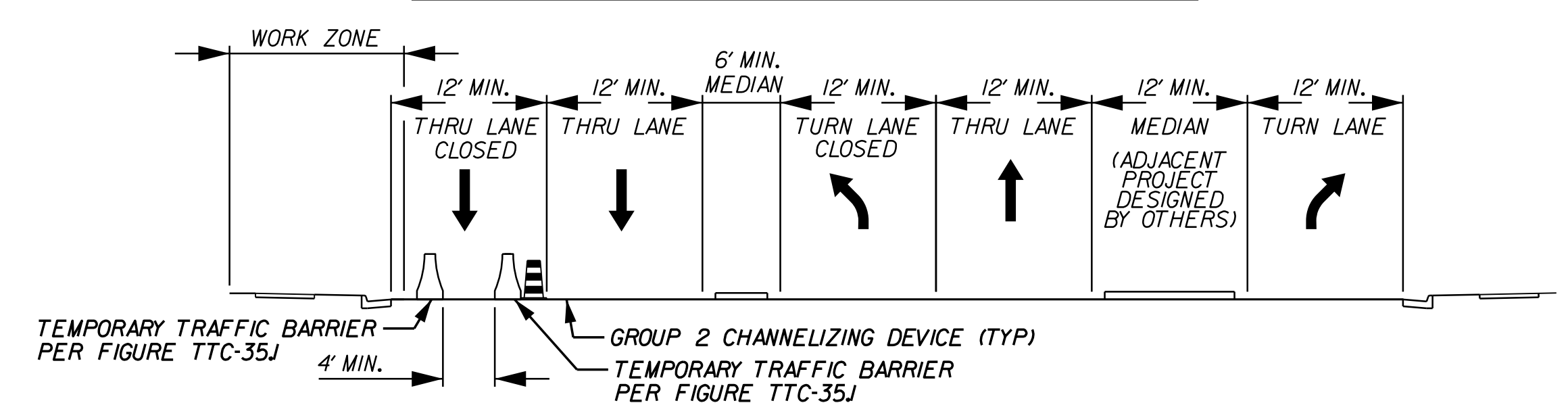
LEGEND

- DENOTES WORK ZONE AREA
- DENOTES CONSTRUCTION PREVIOUS PHASE
- DENOTES GROUP 2 CHANNELIZING DEVICES
- DENOTES TEMPORARY SIGN
- DENOTES TYPE 3 BARRICADE 8'

ANNAPOLIS WAY - WORKZONE TYPICAL SECTION C-C



ANNAPOLIS WAY - WORKZONE TYPICAL SECTION D-D



SCALE 0 50' 100'	PROJECT 0639-076-348	SHEET NO. 1H(7)
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60% PLANS

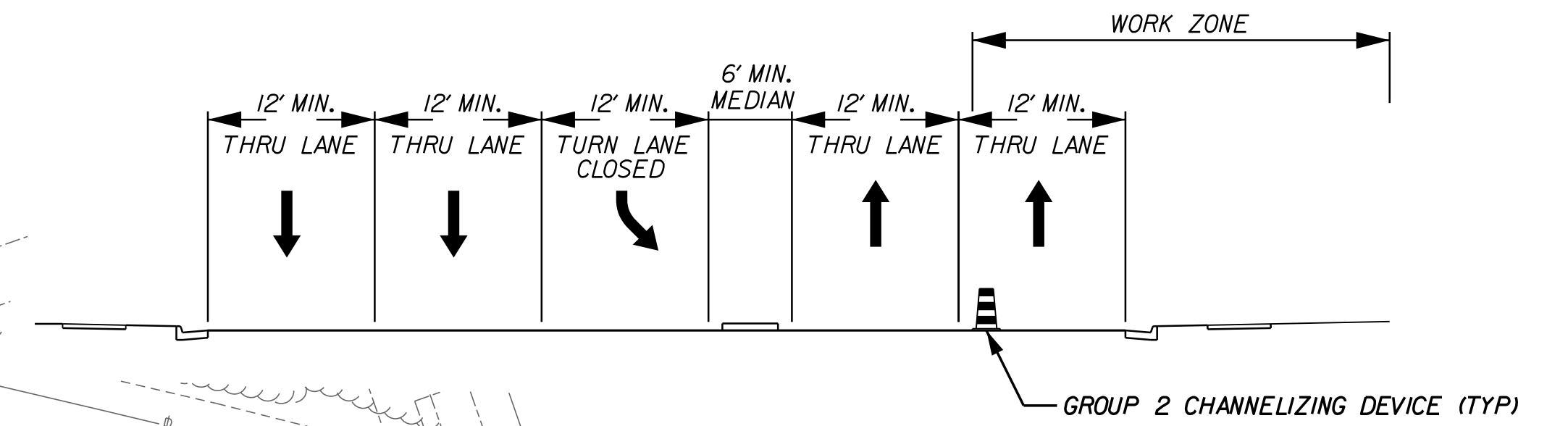
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PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

MOT & SOC PLANS (PHASE 4)

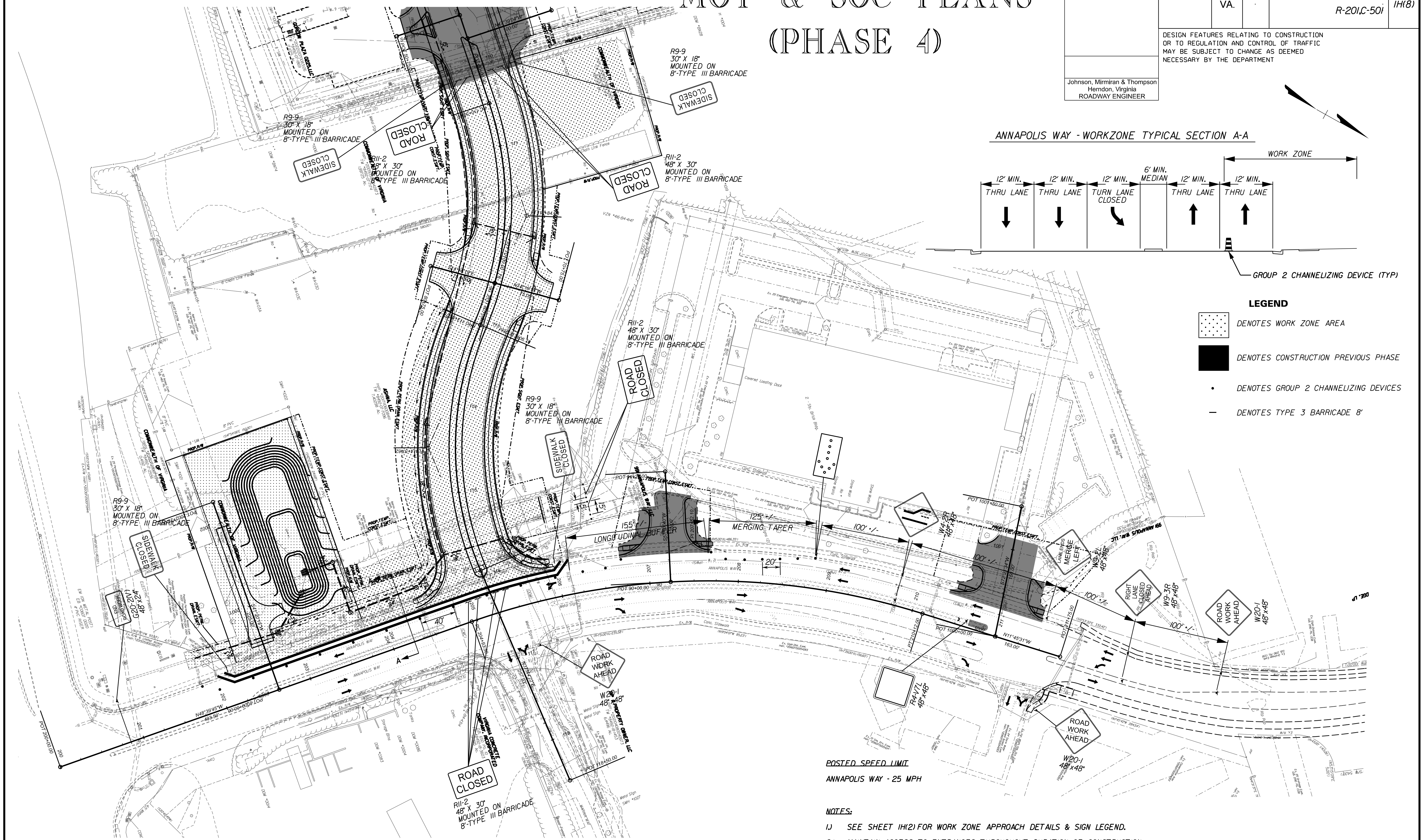
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	1H(8)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				

ANNAPOLIS WAY - WORKZONE TYPICAL SECTION A-A



LEGEND

- DENOTES WORK ZONE AREA
- DENOTES CONSTRUCTION PREVIOUS PHASE
- DENOTES GROUP 2 CHANNELIZING DEVICES
- DENOTES TYPE 3 BARRICADE 8'



POSTED SPEED LIMIT
ANNAPOLIS WAY - 25 MPH

NOTES:

- 1) SEE SHEET 1H(2) FOR WORK ZONE APPROACH DETAILS & SIGN LEGEND.
- 2) MAINTAIN ACCESS TO ENTRANCES THROUGHOUT DURATION OF CONSTRUCTION.
- 3) ALL CHANNELIZATION DEVICE SPACING SHALL BE IN ACCORDANCE WITH TABLE 6H-4 OF THE WAPM.

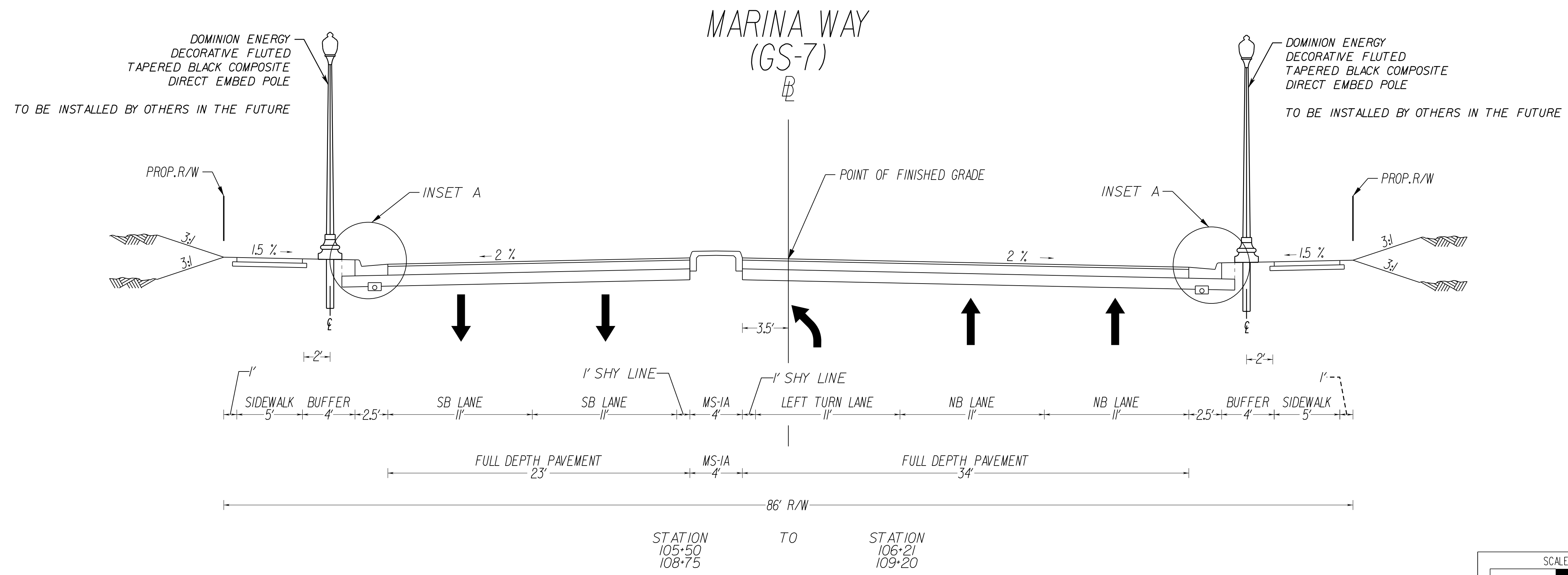
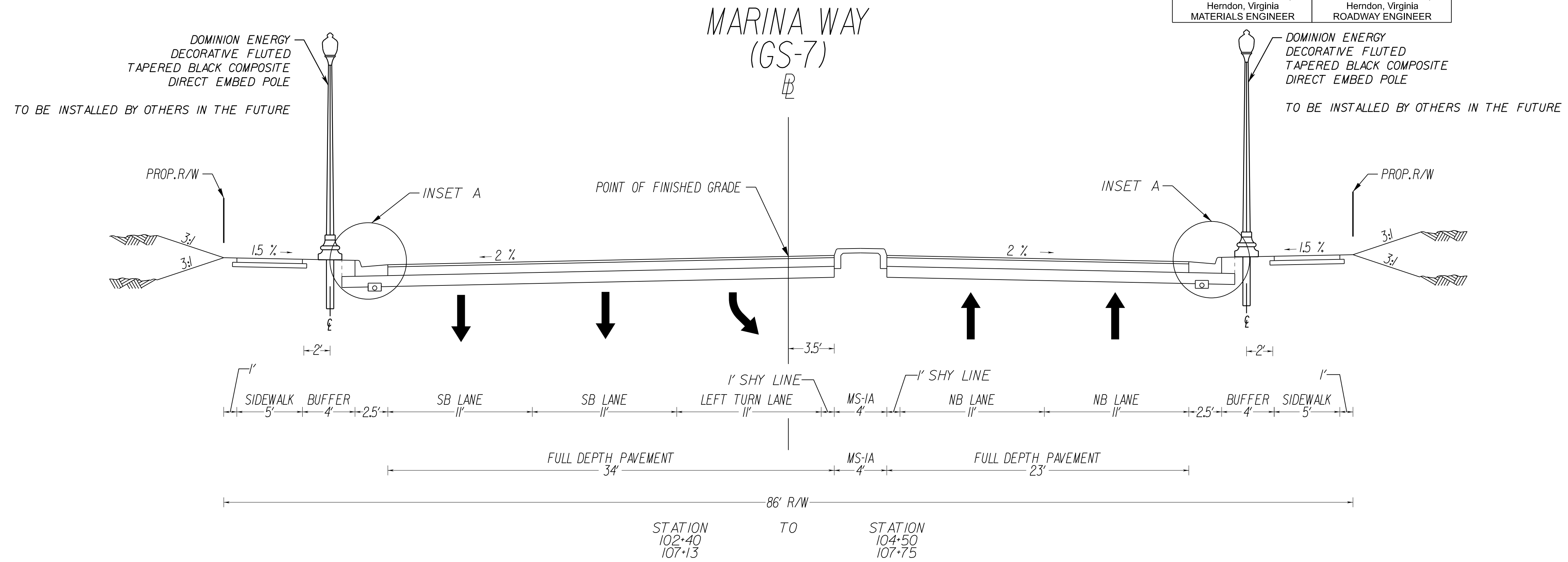
SCALE 0 50' 100'	PROJECT 0639-076-348	SHEET NO. 1H(8)
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60% PLANS
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI_AUGUST_2024
DESIGN BY_JMI_(703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024

TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0639-076-348 R-201C-501	2A(1)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Mirmiran & Thompson Herndon, Virginia MATERIALS ENGINEER			Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER		



SCALE 0 5' 10'	PROJECT 0639-076-348	SHEET NO. 2A(1)
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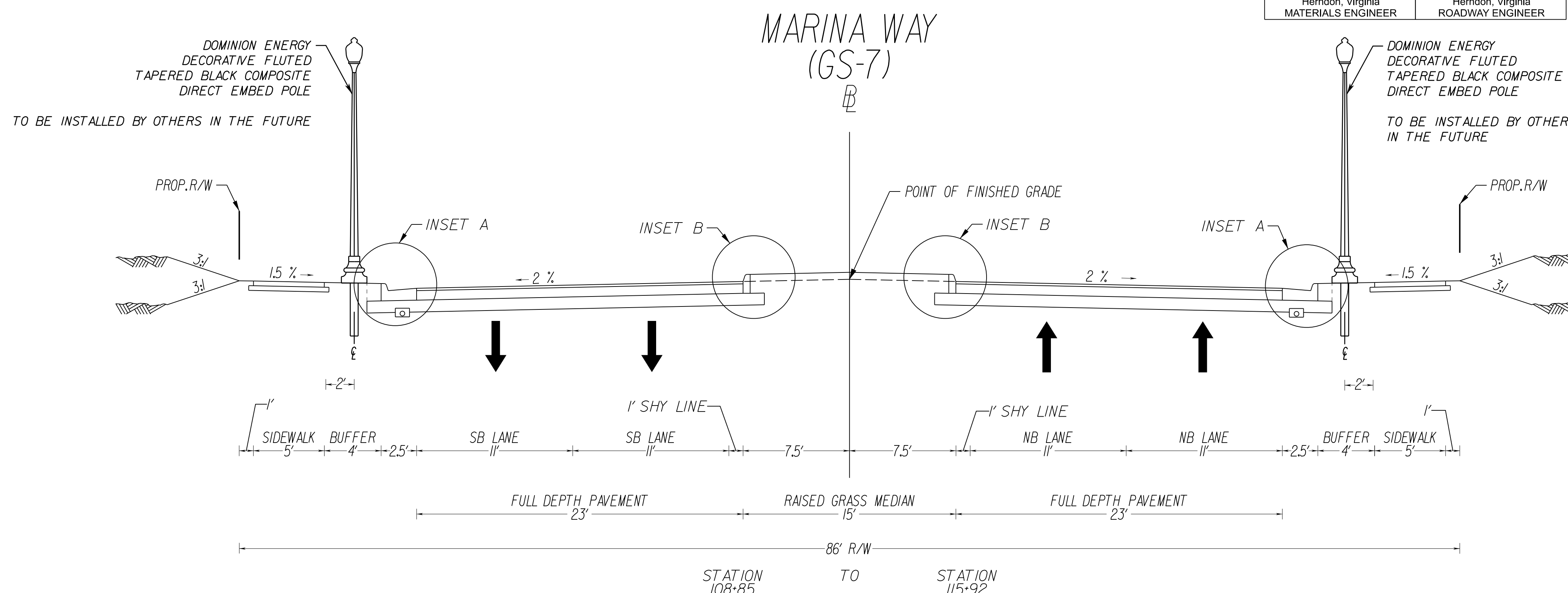
60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

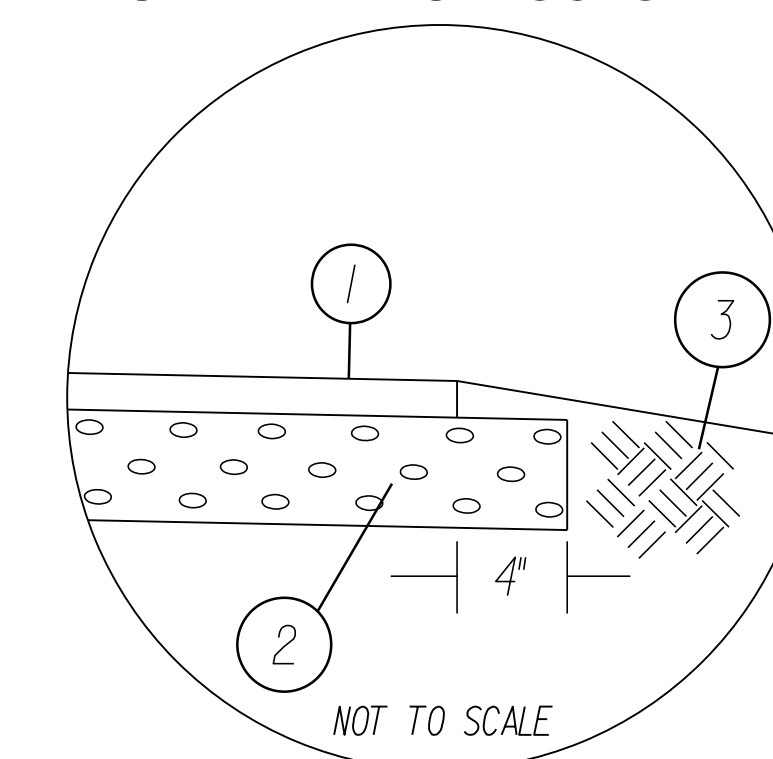
PROJECT MANAGER MEKDES, TABOR (703-792-8137)
SURVEYED BY, DATE JMI, AUGUST 2024
DESIGN BY JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE JMI, AUGUST 2024

TYPICAL SECTIONS

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0639-076-348 R-201C-501	2A(2)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Mirmiran & Thompson Herndon, Virginia MATERIALS ENGINEER			Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER		



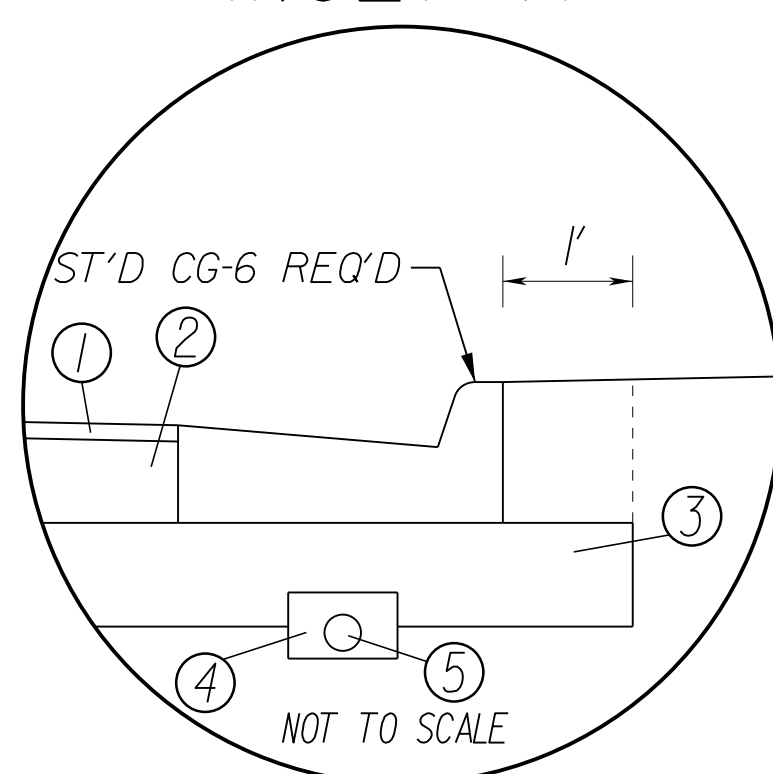
SIDEWALK STRUCTURE



SIDEWALK SECTION NOTES

- 1 SURFACE - 4" HYDRAULIC CEMENT CONCRETE SIDEWALK (CLASS A-3)
- 2 BASE - 4" AGGREGATE BASE MATERIAL, TYPE 1, SIZE NO. 21A, EXTENDED 4" ON EITHER SIDE OF THE SURFACE
- 3 REGULAR FILL MATERIAL OR NATIVE SOIL

INSET A



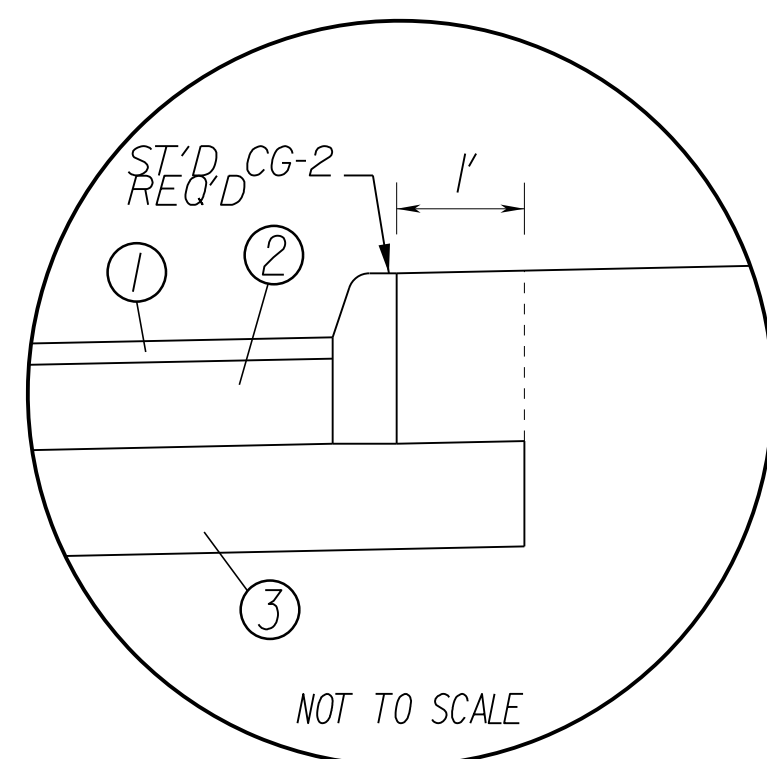
PAVEMENT SECTION (ASSUMED - PENDING GEOTECHNICAL REPORT RECOMMENDATION)

- 1 SURFACE - 2" ASPHALT CONCRETE TYPE SM-9.5A @ 220 LBS/SY
- 2 BASE - 8" ASPHALT CONCRETE TYPE BM-25.0A
- 3 SUBBASE - 10" AGGREGATE BASE MATERIAL, TYPE 1 SIZE 21B
- 4 *57/*8 AGGREGATE OR CRUSHED GLASS MEETING *8 GRADATION REQUIREMENT
- 5 ST'D UD-4 REQ'D

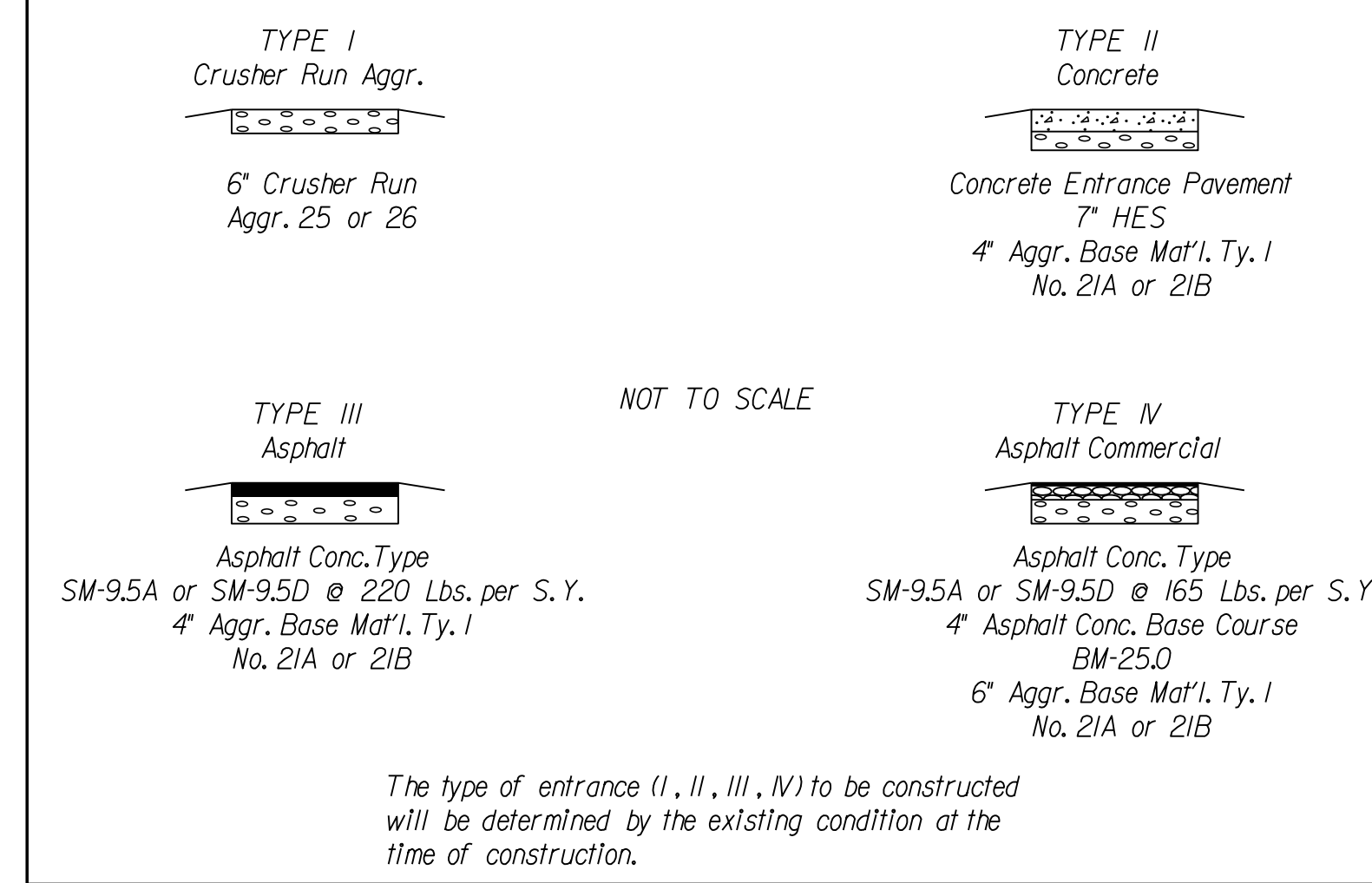
NOTES:

- 1) ALL PAVEMENT WIDENING SHALL BE PERFORMED IN ACCORDANCE WITH ST'D WP-2.
- 2) FOR APPROXIMATE LIMIT OF MILL & OVERLAY, BUILDUP, AND FULL DEPTH PAVEMENT, REFER TO PLAN SHEETS.
- 3) FULL DEPTH PAVEMENT SHALL BE COMPROMISED OF THE LAYERS AND DEPTH OF THE PROVIDED SECTION OR MATCH THE LAYERS AND DEPTHS OF THE EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER.

INSET B



PRIVATE AND COMMERCIAL ENTRANCES



SCALE 0 5' 10'	PROJECT 0639-076-348	SHEET NO. 2A(2)
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60% PLANS

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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
SURVEYED BY, DATE_JMI, AUGUST 2024-----
DESIGN BY_JMI, (703) 464-7369-----
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024-----

DRAINAGE DESCRIPTIONS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-50i	2B(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

NOTE: IN ADDITION TO THE VISUAL INSPECTION PERFORMED BY THE DEPARTMENT DURING THE INITIAL INSTALLATION OF STORM SEWER PIPES AND PIPE CULVERTS, A POST INSTALLATION VISUAL/VIDEO CAMERA INSPECTION SHALL BE CONDUCTED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SPECIFICATION AND VTM 123 ON ALL STORM SEWER PIPE AND A SELECTED NUMBER OF PIPE CULVERTS.

SHEET 3

- 3-1 1 STD. DI-3B REQ'D.
L=6', H= 4.0', INV. 75.50
CONNECT UD-4 TO STRUCTURE
- 3-1 3-2 68'-15" STORM SEWER PIPE REQ'D. (3' COVER)
INV.(IN) 75.50, INV.(OUT) 75.00
- 3-2 1 STD. DI-3B REQ'D.
L=6', H= 4.6', INV. 74.90
CONNECT UD-4 TO STRUCTURE
- 3-2 4-3 93'-15" STORM SEWER PIPE REQ'D. (6' COVER)
INV.(IN) 74.90, INV.(OUT) 74.40

SHEET 4

- 4-1 1 STD. DI-3B REQ'D.
L=4', H= 4', INV. 80.00
CONNECT UD-4 TO STRUCTURE
- 4-1 4-2 74'-15" STORM SEWER PIPE REQ'D. (4' COVER)
INV.(IN) 80.00, INV.(OUT) 79.00
- 4-2 1 STD. DI-3A REQ'D.
H= 4.9', INV. 78.90
CONNECT UD-4 TO STRUCTURE
- 4-2 4-3 108'-15" STORM SEWER PIPE REQ'D. (6' COVER)
INV.(IN) 78.90, INV.(OUT) 74.40
- 4-3 1 STD. DI-3A REQ'D.
H= 7.3', INV. 74.40
CONNECT UD-4 TO STRUCTURE
- 4-4 1 STD. DI-3B REQ'D.
L=4', H= 4.3', INV. 78.98
CONNECT UD-4 TO STRUCTURE
- 4-4 4-5 68'-15" STORM SEWER PIPE REQ'D. (4' COVER)
INV.(IN) 78.98, INV.(OUT) 78.10
- 4-5 1 STD. DI-3B REQ'D.
L=4', H= 4.9', INV. 78.00
CONNECT UD-4 TO STRUCTURE
- 4-5 5-2 286'-15" CONC. RADIAL PIPE CLASS III REQ'D. (4' COVER)
(126' RADIUS - USING 8' PIPE JOINT LENGTHS WITH FULL BEVEL)
INV.(IN) 78.00, INV.(OUT) 74.00

SHEET 5

- 5-1 1 STD. DI-3B REQ'D.
L=6', H= 4.9', INV. 74.25
CONNECT UD-4 TO STRUCTURE
- 5-1 5-2 68'-15" STORM SEWER PIPE REQ'D. (4' COVER)
INV.(IN) 74.25, INV.(OUT) 73.90
- 5-2 1 STD. DI-3B REQ'D.
L=6', H= 5.5', INV. 73.80
CONNECT UD-4 TO STRUCTURE
- 5-2 5-3 232'-15" STORM SEWER PIPE REQ'D. (4' COVER)
INV.(IN) 73.80, INV.(OUT) 69.90
- 5-3 1 STD. DI-3B REQ'D.
L=6', H= 5.2', INV. 69.80
CONNECT UD-4 TO STRUCTURE
- 5-3 5-6 149'-18" CONC. RADIAL PIPE CLASS III REQ'D. (4' COVER)
(390' RADIUS - USING 8' PIPE JOINT LENGTHS WITH FULL BEVEL)
INV.(IN) 69.80, INV.(OUT) 69.00
- 5-4 1 STD. DI-3B REQ'D.
L=6', H= 5.9', INV. 68.90
- 5-4 5-5 60'-18" STORM SEWER PIPE REQ'D. (4' COVER)
INV.(IN) 68.90, INV.(OUT) 68.60
- 5-5 1 STD. DI-3C REQ'D.
L=6', H= 5.2', INV. 68.50
CONNECT UD-4 TO STRUCTURE
- 5-5 5-6 67'-18" STORM SEWER PIPE REQ'D. (4' COVER)
INV.(IN) 68.50, INV.(OUT) 68.15
- 5-6 1 STD. DI-3B REQ'D.
L=4', H= 5.7', INV. 68.05
CONNECT UD-4 TO STRUCTURE
- 5-6 5-7 44'-24" STORM SEWER PIPE REQ'D. (4' COVER)
INV.(IN) 68.05, INV.(OUT) 67.20
- 5-7 4.8 LF STD. MH-1 OR 2 REQ.
1 STD. MH-1 FRAME & COVER REQ.
INV = 67.10
- 5-7 6-1 76'-24" STORM SEWER PIPE REQ'D. (3' COVER)
INV.(IN) 67.10, INV.(OUT) 66.65

SHEET 6

- 6-1 4.2 LF STD. MH-1 OR 2 REQ.
1 STD. MH-1 FRAME & COVER REQ.
INV = 66.55
- 6-1 6-2 56'-24" STORM SEWER PIPE REQ'D. (5' COVER)
INV.(IN) 66.55, INV.(OUT) 66.25
- 6-2 7.3 LF STD. MH-1 OR 2 REQ.
1 STD. MH-1 FRAME & COVER REQ.
INV = 66.15
- 6-2 6-3 23'-24" STORM SEWER PIPE REQ'D. (5' COVER)
INV.(IN) 66.15, INV.(OUT) 66.00
STD EC-1, TYPE A INSTALLATION REQ'D
- 6-3 1 STD. 24" ES-1 REQ'D.
INV. 66.00
- 6-4 6.25' STD. SWM-1 REQ'D.
BOTTOM ELEV = 65.50
6" DIAMETER ORIFICE REQ., INV = 65.50
- 6-4 6-5 47'-24" STORM SEWER PIPE REQ'D. (6' COVER)
INV.(IN) 65.50, INV.(OUT) 64.60
- 6-5 1 STD. DI-5 REQ'D. TYPE 1 GRATE REQ.
STD. PG-2A TYPE E COVER
H = 5.7', INV = 64.60
- 6-5 A118 97'-24" STORM SEWER PIPE REQ'D. (6' COVER)
INV.(IN) 64.50, INV.(OUT) 63.72

ALLOWABLE TYPE OF STORM SEWER PIPE (UNLESS OTHERWISE SHOWN IN DRAINAGE DESCRIPTIONS) (SEE ROAD AND BRIDGE STANDARD PC-1 FOR HEIGHT OF COVER LIMITATIONS FOR EACH TYPE)								
LOCATION	CONCRETE	ALUMINUM COATED TYPE 2 STEEL SPIRAL RIB	POLYMER COATED (10/10) CORRUGATED STEEL SPIRAL RIB	POLYMER COATED (10/10) CORRUGATED STEEL DOUBLE WALL (SMOOTH INTERIOR)	ALUMINUM SPIRAL RIB	POLYVINYLCHLORIDE (PVC) RIBBED PIPE (SMOOTH INTERIOR)	POLYETHYLENE (PE) CORRUGATED TYPE S	POLYPROPYLENE (PP) TYPE D OR S
PRINCE WILLIAM COUNTY	✓			✓		✓	✓	✓

PROJECT
0639-076-348

SHEET NO.
2B(1)

60% PLANS

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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
SURVEYED BY, DATE_JMI,AUGUST_2024-----
DESIGN BY_JMI_(703) 464-7369-----
SUBSURFACE UTILITY BY, DATE_JMI,AUGUST_2024-----

EXISTING DRAINAGE DESCRIPTIONS

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.		0639-076-348 R-201C-501	2B(2)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

- A008 In Pl. CDI
Top = 78.56'
Inv. Out = 73.71' (Full Of Debris)
- A009 In Pl. CDI
Top = 78.15'
Inv. Out = 72.45'
- A009 A011 In Pl. 125LF-15" RCP
Inv. In = 72.45'
Inv. Out = 71.34'
- A011 In Pl. Storm MH
Top = 77.74'
Inv. In = 71.34' (From Str. A009)
Inv. In = 70.84' (From Str. A010)
Inv. Out = 70.44'
- A042 In Pl. DI Grate
Top = 82.03'
Inv. In = 72.27'
Inv. Out = 72.25'
- A042 A044 In Pl. 193LF-24" RCP
Inv. In = 72.25'
Inv. Out = 70.79'
- A043 In Pl. DI Grate
Top = 81.83'
Inv. Out = 78.27'
- A043 A044 In Pl. 19LF-15" RCP
Inv. In = 78.27'
Inv. Out = 78.23'
- A044 In Pl. Storm MH
Top = 83.51'
Inv. In = 70.79' (From Str. A042)
Inv. In = 78.23' (From Str. A043)
Inv. Out = 70.76'
- A052 In Pl. CDI
Top = 72.72'
Inv. Out = 68.92'
- A052 A053 In Pl. 88LF-18" RCP
Inv. In = 68.92'
Inv. Out = 67.98'
- A053 In Pl. CDI
Top = 72.96'
Inv. In = 67.98' (From Str. A052)
Inv. Out = 67.71'
- A053 A054 In Pl. 169LF-18" RCP
Inv. In = 67.71'
Inv. Out = 66.02'
- A054 In Pl. CDI
Top = 72.96'
Inv. In = 66.02' (From Str. A053)
Inv. Out = 65.84'
- A117 In Pl. CDI
Top = 67.59'
Inv. Out = 63.94'
- A117 A118 In Pl. 26LF-18" RCP
Inv. In = 63.94'
Inv. Out = 63.74'
- A118 In Pl. DI Grate
Top = 69.27'
Inv. = 63.74' (From Str. A117)
Inv. = 64.52' (From Str. A136)
Inv. Out = 63.72'
- A128 In Pl. CDI
Top = 71.15'
Inv. Out = 66.07'
- A128 A129 In Pl. 27LF-15" RCP
Inv. In = 66.07'
Inv. Out = 65.42'
- A129 In Pl. CDI
Top = 71.32'
Inv. In = 65.42' (From Str. A128)
Inv. Out = 62.63'
- A132 In Pl. Storm MH
Top = 63.06'
Inv. In = 49.67' (From Str. A131)
Inv. In = xx.xx' (From Str. A133)
Inv. Out = 48.83' (24" RCP To North)
- A133 In Pl. CDI
Top = 62.27'
Inv. Out = 55.09'
- A133 A132 In Pl. 71LF-15" RCP
Inv. In = 55.09'
Inv. Out = xx.xx'
- A136 In Pl. CDI
(Not In Use - Sealed At Face Of Curb)
Top = 70.55'
Inv. Out = 65.54'
- A136 A118 In Pl. 97LF-15" RCP
Inv. In = 65.54'
Inv. Out = 64.52'

PROJECT	SHEET NO.
0639-076-348	2B(2)

60% PLANS

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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
 SURVEYED BY, DATE_JMI_AUGUST_2024-----
 DESIGN BY_JMI_(703) 464-7369-----
 SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024-----

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET (1)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-501	

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the General VPDES Permit For Discharges Of Stormwater From Construction Activities (VAR10) (the CGP) issued July 1, 2024 and VDOT's approved Annual ESC and SWM Standards and Specifications.

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance activities that disturb an area equal to or greater than 10,000 square feet outside the Chesapeake Bay Preservation Area, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

The VDOT RLD (as defined in the latest IIM-LD-242) will ensure that the information shown on the SWPPP General Information sheets is updated/revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/revised sheets shall be maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that this document and all other documents related to the SWPPP, as identified on the SWPPP General Information Sheets, are maintained at the activity site, or at a location convenient to the activity site where no on-site facilities are available, and such documents will be made available for review upon request in accordance with the provisions of the General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10) when applicable. Where the SWPPP documents are not stored on-site, a copy of such documents shall be in the possession of those with day to day operational control over the implementation of the SWPPP whenever they are on site.

* or ** Duly Authorized Representative Signature"

Signature: -----
 Printed Name: -----
 Date: -----

(1) See Section 1, Item 12 relating to delegation of authority, and form LD-445H (Delegation of Authority).

ACRONYMS

- | | |
|--|--|
| ACE - Area Construction Engineer | R&B - Road and Bridge |
| AS&S - Annual Standards and Specifications | RLD - Responsible Land Disturber |
| BMP - Best Management Practice | SWM - Stormwater Management |
| CBPA - Chesapeake Bay Preservation Act | SWPPP - Stormwater Pollution Prevention Plan |
| CGP - General VPDES Permit For Discharges of Stormwater from Construction Activities (VAR10) | TMDL - Total Maximum Daily Load |
| DEQ - Department of Environmental Quality | VDOT - Virginia Department of Transportation |
| DHE - District Hydraulic Engineer | VESMP - Virginia Erosion and Stormwater Management Program |
| EPA - U.S. Environmental Protection Agency | VPDES - Virginia Pollutant Discharge Elimination System |
| ESC - Erosion and Sediment Control | WLA - Waste Load Allocation |
| IIM - Instructional and Informational Memorandum | |
| NPDES - National Pollutant Discharge Elimination System | |

SECTION I GENERAL INFORMATION

- Activity Description - Connect Marina Way to Horner Road with a four-lane divided roadway in order to lessen the load on the surrounding facilities, i.e. Route 1 and Route 123. The project is located in Prince William County.
- This land disturbance (construction) activity site is located in Prince William County and approximately 5.49 acres will be disturbed by excavation, grading or other construction activities.
- This proposed activity disturbs one acre or greater and requires coverage under the CGP as issued by the DEQ. A copy of the CGP (VAR10), the registration information (Registration Statement, LD-445 & LD-445C forms) and the permit coverage letter received from DEQ shall be maintained with other SWPPP documents for this land disturbing activity.

- XX 4. The location of support facilities that will be covered under the CGP coverage for this land disturbance (construction) activity shall be provided by the contractor and identified on a legible map. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may involve land disturbance or pollutant-generating activities of its own. Must also include areas where polymers, flocculants, or other stormwater treatment chemicals will be used or stored. Only support facilities within the VDOT ROW and easements are covered under this CGP.
- XX 5. Written Evidence of permit coverage shall be provided by the contractor for all support activities located outside of VDOT right of way or easement in the form of the CGP coverage letter: (List VPDES Permit * or Letter from VESMP Authority stating coverage not needed)

Impaired waters, TMDLs, Exceptional waters, and Turbidity Monitoring
 6. Does stormwater from this land disturbing activity discharge into surface waters that have been identified as impaired in the 2022 305(b)/303(d) Water Quality Assessment Integrated Report for Benthic Macroinvertebrates Bioassessments? (See latest DEQ Environmental Mapper)

No
 Yes
 List impaired water(s) here: NONE

7. Does stormwater from this land disturbing activity discharge into a watershed with a TMDL waste load allocation established prior to July 1, 2024 for sediment, total suspended solids, turbidity, nitrogen or phosphorus, including all surface waters within the Chesapeake Bay Watershed?

No
 Yes
 List TMDL(s) and pollutant(s) here: N/A

8. Does stormwater from this land-disturbing activity discharge stormwater to surface waters that have been identified as Exceptional in 9VAC25-260-30.A.3.c of the Water Quality Standards regulation?

No
 Yes
 List name of surface waters: N/A

9. If "NO" was answered in note 6, 7, and 8, then items a, b, c and d (below) shall be implemented and adhered to for this land-disturbing activity. If "Yes" was answered in note 6, 7, or 8, then the requirements of Part I.B.4.a or Part I.B.5, as applicable, of the Construction General Permit shall be implemented and the operator shall ensure the following SWPPP requirements are adhered to for this land-disturbing activity:

- Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the construction site.
- Temporary and permanent stabilization will be applied as noted and in accordance with ESC Minimum Standards 1 and 3.
- Nutrients (e.g., fertilizers) shall be applied in accordance with manufacturers recommendations or an approved nutrient management plan and shall not be applied during rainfall events; Nutrients are being applied per the projects Roadside Development sheet.
- Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and Inspections are being completed at least every four (4) business days (C-107s are completed on Mondays and Thursdays) Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.
- Turbidity Monitoring Requirement - Undertake one of the methods identified in Part II.B.8. of the CGP for controlling and documenting construction dewatering discharges.

10. Locations of surface waters and locations where concentrated stormwater is discharged from this land disturbance (construction) activity are identified in the construction plan set (or other such site maps) for this land disturbance (construction) activity. (List name of surface waters and locations here if not shown in construction plan or other such documents).

11. The ESC and SWM plans (where applicable) for this land disturbance (construction) activity have been developed in accordance with VDOT's Annual Erosion and Sediment Control and Stormwater Management Standards and Specifications as approved by the DEQ.

12. List the RLD and other responsible parties for the land disturbance activity: (required for erosion and sediment control). The following individual(s) are "duly authorized" to sign all reports required by the CGP including the SWPPP General Information Sheets and Inspection Reports (C-107). Reference form LD-445H for Duly Authorized Representatives (form LD-445H for the project is hereby incorporated by reference into this SWPPP). These individual(s) has/have overall responsibility or the environmental matters for the project: (required only for permitted projects):

Name	Position	Qualifications (if required)	Responsibility
TBD	RLD		Certify the SWPPP (with date & sig.)
TBD	Certified Contractor		Sign (C-107) Inspection Form Part 1
TBD	Certified Inspector		Sign (C-107) Inspection Form Part 1
TBD	Certified Inspector		Sign (C-107) Inspection Form Part 2

XX 13. The name of the VDOT individual(s) responsible for the oversight inspection in accordance with IIM-LD-256 on these land disturbance construction activities as identified on these SWPPP General Information Sheets. The following individual(s) are "duly authorized" to sign all reports required by the CGP including the SWPPP General Information Sheets and Inspection Reports (C-107). Reference form LD-445H for Duly Authorized Representatives (form LD-445H for the project is hereby incorporated by reference into this SWPPP). The names will be updated and maintained with the other SWPPP documents for this land disturbance activity.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

VDOT Individuals	Position	Qualifications (if required)	Responsibility
Marian Corroll	NPDES		NPDES coordinator or designee(s) responsible for the oversight inspection in accordance with IIM-LD-256
Pawan Sarang	Dist. Hyd. Engineer		District Hydraulic Engineer or designee(s) responsible for the review & the coordination approval of ESC SWM plan modification(s).
TBD	ACE		Project Manager during Construction

XX 14. The ESC and P2 inspections for this land disturbing (construction) activity shall follow (Select Schedule 1 or 2, if schedule *2 is used, void note *15) as defined in R&B Specifications identified on the title sheet except for Section 107 an Inspection Requirements Rain gauge notes apply only to Inspection Schedule 1.

If the operator must make the same repairs more than two times to the same control at the same location, even if the fix can be completed by the close of the next business day, the operator shall either:

- Complete work to fix any subsequent repeat occurrences of this same problem under the corrective action procedures in Part I.H, including keeping any records of the condition and how it was corrected under Part II.C: or
- Document in the inspection report under Part II.G why the specific reoccurrence of this same problem should still be addressed as a routine maintenance fix.

XX 15. The location of the on-site rain gage that will be used to determine the occurrence of a measurable storm event for the purposes of ESC and Pollution Prevention inspections will be provided by the contractor and identified on the record set of plans or in other appropriate SWPPP documents for this land disturbance activity: (Construction trailer).

The rain gage shall be observed daily at " 8 am " to determine the occurrence of a measurable storm event (i.e., 0.25 inches of rainfall or greater in a 24 hour period). A log book shall be maintained to record observation information which shall include (1) the date, (2) the time, (3) whether or not rainfall is occurring at the time of the observation, (4) the amount of accumulated rainfall in the gage, if any, and (5) whether or not an inspection is required based on the amount of accumulated rainfall in the gage.

A discharge caused by snow melt (from a snow event producing 3.25 inches or more of snow within a 24-hour period). The operator is required to conduct one inspection once the discharge of snow melt occurs. Additional inspections are only required if, following the discharge from the first snow melt, there is a discharge from a separate storm event.

If there is no rainfall occurring at the time of the observation, the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage. If there is rainfall occurring at the time of the observation, the observation information is to be noted in the log book. The rain gage is not to be emptied but left to accumulate additional rainfall until the conclusion of the rainfall event. At the conclusion of the rainfall event, an observation of the rain gage shall be made and the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage.

16. The following VDOT documents are applicable to a) permitted projects b) non-permitted projects in Chesapeake Bay Preservation Areas (CBPA) with 2,500 S.F. to 1.0 acre of land disturbance c) non-permitted projects requiring a SWPPP and d) Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP:

- VDOT LD-445: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP and ESC projects > 10,000 s.f. but <1 acre.
- VDOT LD-445A: Permitted projects only.
- VDOT LD-445C: Projects that require a permit, ESC Plan, SWM, or SWPPP.
- VDOT LD-445D: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP.
- VDOT LD-445F: Emergency work projects (when applicable)
- VDOT LD-445H: Permitted projects only.
- VDOT C-107 Part I (All projects that require a SWPPP).
- VDOT C-107 Part II (Only for Permitted Projects).
- VDOT LD-445I: AS&S Approval Form (when applicable)
- VDOT LD-445J: Off-site Support/ Material Disposal Area Activities Tracking Form

Revised 7/25/24
 SWPPP Sheet 1 of 4

XX Denotes information that is to be provided/completed by the RLD.
 XX Denotes information that is to be provided/completed by the contractor.

PROJECT 0639-076-348	SHEET NO. 2C(1)
-------------------------	--------------------

60% PLANS
 THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER MEKDES TABOR (703-792-8137)-----
SURVEYED BY, DATE JMI, AUGUST 2024-----
DESIGN BY JMI, (703) 464-7369-----
SUBSURFACE UTILITY BY, DATE JMI, AUGUST 2024-----

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET (2)

REVISED	STATE		STATE PROJECT		SHEET NO.
	VA.	00	0639-076-348; R-201, C-501		

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

SECTION II EROSION AND SEDIMENT CONTROL

- ✖✖ 1. The intended sequence and timing of activities that disturb soils at the site (e.g., grubbing, excavation, grading, utilities and infrastructure installation, etc.) shall be provided by the contractor in accordance with the current edition of Section 108 of the VDOT R&B Specifications identified on the title sheet and shall be included with the other SWPPP documents for this land disturbance (construction) activity.
- 2. Existing and proposed drainage patterns on the construction site and approximate slopes anticipated before and after major grading activities are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
- 3. Areas of soil disturbance and areas of the site which will not be disturbed are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
- 4. Locations of major structural and nonstructural ESC measures intended to filter, settle or similarly remove sediment are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
- 5. Locations where stabilization practices are expected to occur are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
- 6. A description of interim and permanent stabilization practices for the site are identified in the applicable sections of the documents identified in the Note 1 of Section IV.
- ✖✖ 7. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the construction site, and when stabilization measures are initiated will be provided by the contractor and maintained with the record set of plans or other SWPPP documents for this land disturbance (construction) activity: (List how this will be tracked and the location)
- 8. A description and schedule of procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good and effective operating conditions are identified in the current edition of Sections 107 and 303 of the VDOT R&B Specifications identified on the title sheet.
- 9. Nutrients shall be applied in accordance with the current edition of Sections 603, 604 and 605 of the VDOT Road and Bridge Specifications identified on the title sheet. Nutrients shall not be applied during rainfall events. Top soil shall be applied in accordance with the current edition of section 602 of the Road and Bridge Specifications identified on the title sheet.
- 10. All engineering calculations supporting the design of erosion and sediment control measures proposed for this land disturbance (construction) activity are contained in the project drainage file located in the Northern Virginia District Hydraulics Section and will be made available for review upon request during normal business hours.
- 11. The temporary erosion and siltation control items shown on the ESC Plan for this land disturbing (construction) activity are intended to provide a general plan for controlling erosion and sediment within the project limits. The ESC Plan is based on field conditions at the time of plan development and an assumed sequence of construction for the project. The contractor, in conjunction with the VDOT Project Engineer and/or ESC Inspector, shall adjust the location, quantity and type of erosion and sediment control items required based on the actual field conditions encountered at the time of construction and the actual scheduling and sequencing of the construction activities. Significant changes to the proposed ESC Plan (e.g., those that require an engineering analysis, elimination of a perimeter control, change to ESC concept that would affect the quantity or direction of flow of water) shall be submitted to the applicable District Hydraulics Engineer for review and approval. Any changes to the proposed ESC Plan must be noted on the designated record set of plans which shall be retained on the project site and made available upon request during normal business hours. Changes noted on the designated record set of plans must address certification language with initial and date by duly authorized personnel.
- 12. The areas beyond the project's construction limits are to be protected from siltation. Perimeter controls such as silt fence, diversion dikes, turbidity curtains, etc. shall be installed prior to any grubbing operations or other earth moving activities.
- 13. Temporary earthen structures such as dikes and berms are to be stabilized immediately upon installation. Stabilization may include temporary or permanent seeding, riprap, aggregate, sod, mulching, and/or soil stabilization blankets and matting in conjunction with seeding.
- 14. All channel relocations are to be constructed during the earliest stage of construction and shall be constructed in accordance with all applicable permit requirements and shall be constructed in the dry wherever possible. Stabilization or vegetation shall be established before flow is redirected through the constructed area as directed by the Engineer.
- 15. The contractor shall plan and implement his land disturbance operations in order to:
 - a. Control the volume and velocity of stormwater runoff within the site to minimize erosion.
 - b. Control the peak flow rates, volume and velocity of stormwater discharges to minimize erosion at outlets and in downstream channels.
 - c. Minimize the amount of soil exposed.
 - d. Minimize the disturbance of steep slopes.
 - e. Minimize sediment discharge from the site.
 - f. Provide and maintain natural buffers around surface waters, direct stormwater runoff to vegetated areas and maximize stormwater infiltration, unless infeasible.
 - g. Minimize soil compaction (except in those areas where compaction is required by the contract documents) and preserve topsoil where feasible.

- ✖✖ 16. The name of the individual(s) or contractor(s) responsible for the installation and maintenance of the erosion and sediment control measures shall be supplied by the contractor and maintained with the other SWPPP documents for this land disturbance (construction) activity.
- 17. Soil stockpiles temporarily placed within the project area or on VDOT right of way or easement shall be identified, stabilized, and protected with sediment trapping measures.
- 18. A construction entrance or other approved measure shall be installed at all locations where construction vehicular traffic access routes intersect a paved or a public road in order to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or a public road surface, the road shall be cleaned thoroughly at the end of each work day by shoveling or sweeping. Removed sediment shall be disposed of in accordance with Section 106.04 of the R&B Specifications identified on the title sheet. Construction entrances shall be maintained as necessary, including the addition of additional rock, as part of routine maintenance.
- 19. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

The following exceptions to the Water Quantity criteria of the VESMP Regulation have been approved by the DEQ for this land disturbance (construction) activity: (list all approved variances, exceptions, deviations and include a brief description of the variance, the date approved and the approving DEQ Office).

Type(1)	Regulation Modified(2)	Approval Date(3)	Description

- (1) Type of modification (Variance from ESC regulations, or Deviation from published guidance)
- (2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
- (3) Date that variance/exception/deviation was approved by DEQ.
- (4) Description and request

- 5. A description of all post-construction stormwater management measures that will be installed during the construction process to control pollutants in stormwater discharges after construction operations have been completed is included in the construction plan set (or other such documents) for this land disturbance (construction) activity.
- 6. All engineering calculations supporting the design of the post-construction stormwater management measures for this land disturbance (construction) activity, including an explanation of the technical basis used to select the practices, are contained in the project drainage file located in the (insert appropriate location, i.e., VDOT Central Office Hydraulics Section or the VDOT (specify) District Hydraulics Section or the VDOT (specify) Residency Office) and will be made available for review upon request during normal working business hours.

✖ Denotes information that is to be provided/ completed by the RLD.
✖✖ Denotes information that is to be provided/completed by the contractor.

SECTION III POST CONSTRUCTION STORMWATER MANAGEMENT

Choose the appropriate note 1A or 1B that is applicable to the proposed post construction SWM Plan for this land disturbance (construction) activity. (Delete, strike through or mark as NA those notes not applicable.)

- 1. (Include one of the following notes as appropriate)
- ✖ B. This land disturbance activity utilizes the technical criteria contained in Article 3 (9VAC25-875-570, et seq.) of the VESMP Regulations (Formerly Part IIB of the technical criteria).
- 2. An exception for (number) pounds of phosphorus removal has been granted for this land disturbance activity by the DEQ in its letter dated (date). N/A
- 3. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP. N/A

The following exceptions to the Water Quantity criteria of the VESMP Regulation have been approved by the DEQ for this land disturbance activity: (list all approved variances, exceptions/deviations and include a brief description, the date approved and the approving DEQ Office)

Type(1)	Regulation Modified(2)	Approval Date(3)	Description

- (1) Type of modification (Variance, or Exception from SWM Regulations or Deviation from published guidance)
 - (2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
 - (3) Date that variance/exception/deviation was approved by DEQ.
 - (4) Description of request
- 4. The permanent on-site SWM facilities or off-site strategies proposed to meet the water quality/quantity requirements for this land disturbance (construction) activity are listed in Section VI.

Revised 7/25/24
SWPPP Sheet 2 of 4

PROJECT 0639-076-348	SHEET NO. 2C(2)
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60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
SURVEYED BY, DATE_JMI_AUGUST_2024-----
DESIGN BY_JMI_(703) 464-7369-----
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024-----

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET (3)

REVISED	STATE		STATE PROJECT		SHEET NO.
	STATE	ROUTE	PROJECT		
	VA.	00	0639-076-348, R-201,C-501		2C(3)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the General VPDES Permit For Discharges Of Stormwater From Construction Activities (the CGP) issued July 1, 2024 and VDOT's approved Annual ESC and SWM Standards and Specifications.

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance (construction) activities that disturb an area equal to or greater than 10,000 square feet outside the Chesapeake Bay Preservation Area, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

The VDOT RLD will ensure that the information shown on the SWPPP General Information sheets is updated/revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/revised sheets shall be maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

SECTION IV SWPPP

1. All documents related to the SWPPP for this land disturbance (construction) activity shall be maintained at the activity site and shall be readily available for review upon request during normal business hours. Such documents include, but are not limited to, the construction plans (or other such documents), the ESC Plan, the Pollution Prevention Plan, the post construction SWM Plan (if applicable), the VDOT R&B Standards and Specifications, Supplemental Specifications, Special Provisions and Special Provision Copied Notes. Documents related to stormwater pollution prevention which are not a part of those documents referenced above, such as copies of the CGP coverage letter (when applicable) and the CGP (when applicable) and those required to be developed by the contractor for pollution prevention associated with any support facilities being included in the CGP coverage for this land disturbance (construction) activity are to be maintained at the activity site with the other SWPPP documents for this land disturbance (construction) activity. Where no facilities are available at the activity site to maintain the SWPPP documents, they are to be kept by or with the designated RLD at a location convenient to the activity site where they would be made available for review upon request during normal business hours.
2. The SWPPP and any subsequent amendments, modifications and updates shall be signed and certified as necessary to comply with the CGP, and shall be implemented from commencement of land disturbance until termination of CGP coverage or completion of land disturbance (construction) activities where no CGP coverage is required.
- ✖✖ 3. For all support facilities that will be included in the CGP coverage for this land disturbance (construction) activity, the contractor shall develop a SWPPP in accordance with, but not limited to, Section 106 and 107 of the VDOT Road and Bridge Specifications identified on the title sheet. The SWPPP for the support facilities shall be maintained with and become a component of the SWPPP for this land disturbance (construction) activity. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may generate a stormwater or non-stormwater discharge directly related to the construction site.
4. For those land disturbing (construction) activities requiring coverage under the CGP, the SWPPP shall be made available for review upon the request of the DEQ, the EPA, the VESMP Authority, the VESCP Authority, local government officials or the operator of a municipal separate storm sewer system (MS4) receiving discharge from the construction site.
- ✖ 5. For those land disturbing (construction) activities requiring coverage under the CGP, the VDOT RLD shall post, or have posted, a copy of the CGP coverage letter and a copy of a completed LD-445A form, noting the name and contact information for the VDOT person responsible for the land disturbing (construction) activity and its SWPPP, outside the project's construction office along with other Federal and State mandated information. The copy of the notice of coverage letter shall be visible such that it can be readily viewed from a public right-of-way. Where there is no construction office (e.g., a maintenance activity), the permit coverage letter and the LD-445A form are to be maintained with the other SWPPP documents for the land disturbing (construction) activity.
6. The SWPPP shall be made available for review by the public upon request. Such reviews shall be at a time and publicly accessible location convenient to the public and shall be scheduled during normal business hours and no less than once per month.

SECTION V - POLLUTION PREVENTION PLAN

1. The following non-stormwater discharges from this land disturbing (construction) activity and any support facilities covered by this permit are prohibited:
 - a. Wastewater from concrete washouts.
 - b. Wastewater from the washout or clean out of stucco, paint, from release oils, curing compounds and other construction materials.
 - c. Fuels, oils or other pollutants used in vehicle and equipment operation and maintenance.
 - d. Oils, toxic substances or hazardous substances from spills or other releases.
 - e. Soaps, solvents or detergents used in equipment and vehicle washing.
 - f. There shall be no discharge of floating solids or visible foam in other than trace amounts.
 2. The following non-stormwater discharges from this land disturbing (construction) activity and any support facilities are allowed when discharged in compliance with this CGP:
 - a. Discharges from emergency fire fighting activities.
 - b. Fire hydrant flushings managed to avoid an instream impact.
 - c. Waters used to wash vehicles or equipment, provided no soaps, solvents or detergents are used and the wash water is filtered, settled or similarly treated prior to discharge.
 - d. Water used to control dust that is filtered, settled or similarly treated prior to discharge.
 - e. Potable water including uncontaminated waterline flushings managed in a manner to avoid stream impacts.
 - f. Routine external building wash down, provided no soaps, solvents or detergents are used, external building surfaces do not contain hazardous substances, and the wash water is filtered, settled or similarly treated prior to discharge.
 - g. Pavement wash waters, provided spills or leaks of toxic or hazardous materials have not occurred (unless all spilled or leaked material is removed prior to washing), soaps, solvents or detergents are not used and the wash water is filtered, settled or similarly treated prior to discharge.
 - h. Uncontaminated air conditioning or compressor condensate.
 - i. Uncontaminated ground water or spring water.
 - j. Foundation or footing drains, provided flows are not contaminated with process materials such as solvents or contaminated groundwater.
 - k. Uncontaminated excavation dewatering, including dewatering trenches and excavations that are filtered, settled or similarly treated prior to discharge.
 - l. Landscape irrigation.
 - ✖✖ 3. The contractor shall develop a Pollution Prevention Plan to address any operations that have a potential to generate a pollutant that may reasonably be expected to affect the quality of stormwater discharges from this land disturbance (construction) activity. The Pollution Prevention Plan shall be developed in accordance with, but not limited to, Sections 106 and 107 of the VDOT Road and Bridge Specifications identified on the title sheet and shall include a narrative with appropriate plan detail and shall:
 - a. Identify the potential pollutant-generating activities and the pollutant that is expected to be exposed to stormwater.
 - b. Describe the location where the potential pollutant-generating activities will occur, or if identified on the record set of plans, reference the record set of plans.
 - c. Identify all non-stormwater discharges, as described in note two of this section, that are or will be commingled with stormwater discharges from the construction activity, including any on-site support activities.
 - d. Identify the person(s) or contractor(s) responsible for implementing and maintaining the pollution prevention practices for each pollutant-generating activity.
 - e. Describe the pollution prevention practices and procedures that will be implemented to:
 - 1) Prevent and respond to leaks, spills, and other releases, including procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases, and procedures for reporting leaks, spills, and other releases in accordance with Section 107 of the VDOT Road and Bridge Specifications identified on the title sheet and the requirements within the CGP.
 - 2) Prevent the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities.
 - 3) Prevent the discharge of soaps, solvents, detergents, and wash water from construction materials, including procedures for the clean-up of stucco, paint, form release oils, and curing compounds.
 - 4) Minimize the discharge of pollutants from vehicle and equipment washing, wheel wash water, and other types of washing.
 - 5) Direct concrete wash water into a leakproof container or leakproof settling basin designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes. Liquid concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wash waters and shall not be discharged to surface waters, disposed of through infiltration, or otherwise disposed of on the ground.
 - 6) Minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials, and wastes including building products (such as asphalt sealants, copper flashing, roofing materials, adhesives, and concrete admixtures), pesticides, herbicides, insecticides, fertilizers, landscape materials, construction and domestic wastes (such as packaging materials), scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.
 - 7) Prevent the discharge of fuels, oils, and other petroleum products, hazardous or toxic wastes, waste concrete and sanitary wastes.
 - 8) Address any other discharge from any potential pollutant-generating activity not listed herein.
 - 9) Minimize the exposure of waste materials to precipitation by closing or covering waste containers during precipitation events and at the end of the business day, or implementing other similarly effective practices. Minimization of exposure is not required in case where the exposure to precipitation will not result in a discharge of pollutants.
 - 10) Describe and implement procedures for providing pollution prevention awareness (including but not limited to prevention practices, disposal practices and appropriate disposal locations) for all applicable wastes (including any wash water), to appropriate personnel.
- ✖ Denotes information that is to be provided/completed by the RLD.
- ✖✖ Denotes information that is to be provided/completed by the contractor.

Revised 7/25/24
SWPPP Sheet 3 of 4

	PROJECT 0639-076-348	SHEET NO. 2C(3)
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60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

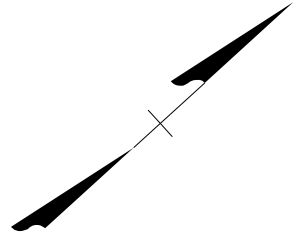
PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

STORMWATER MANAGEMENT

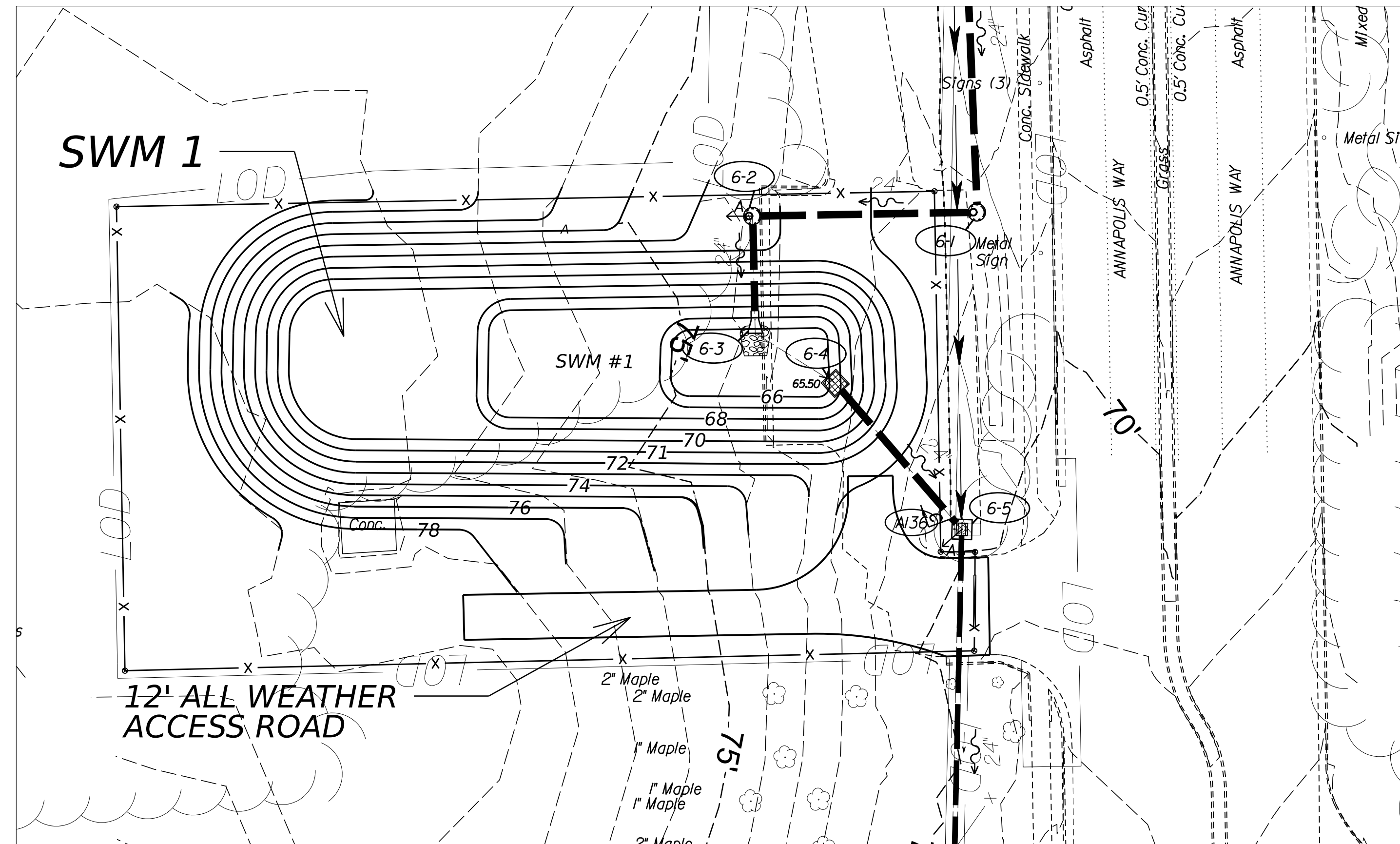
SWM 1 WATER QUANTITY DETENTION

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-501	2B(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

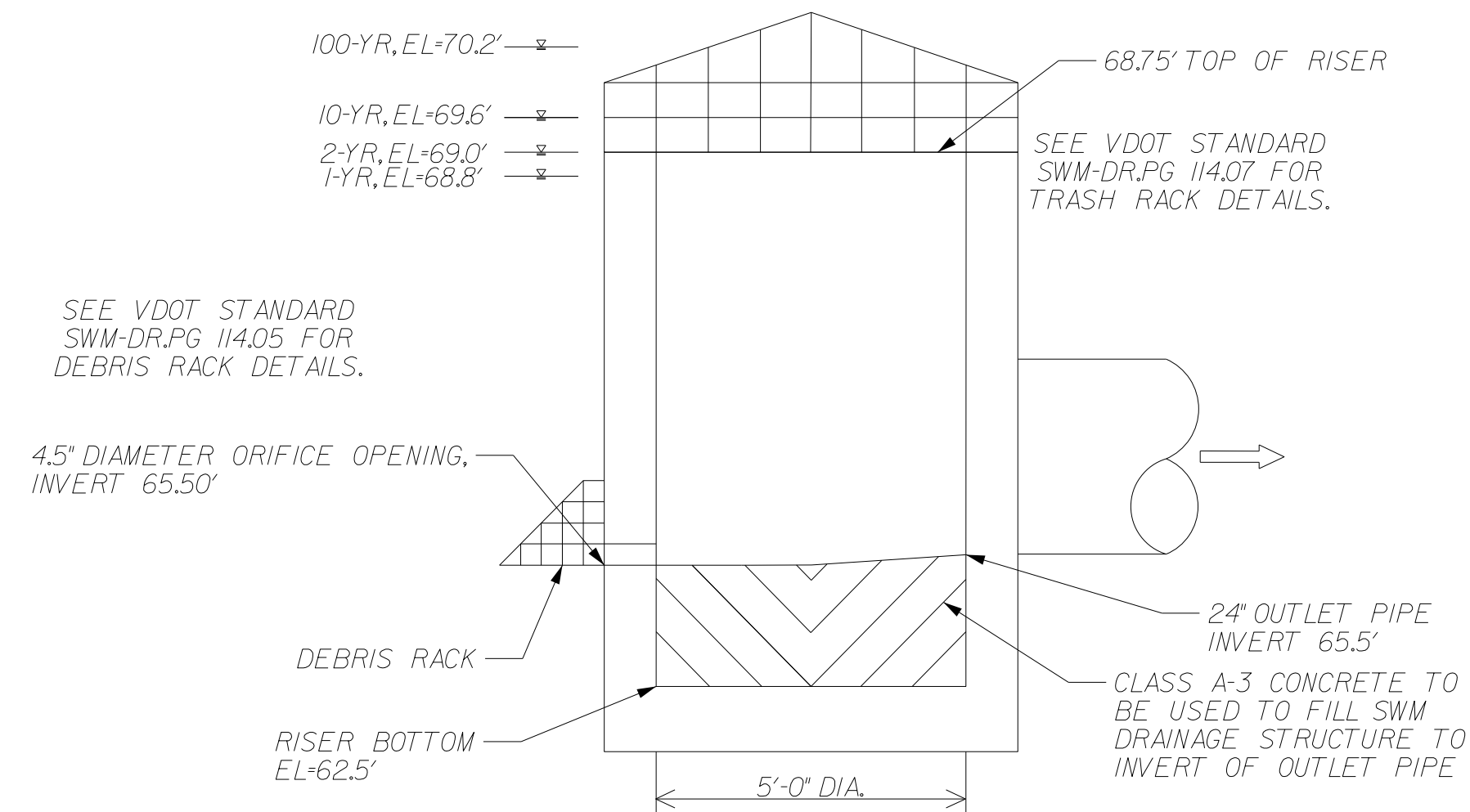


Johnson, Mirmiran & Thompson
Herndon, Virginia
HYDRAULIC ENGINEER

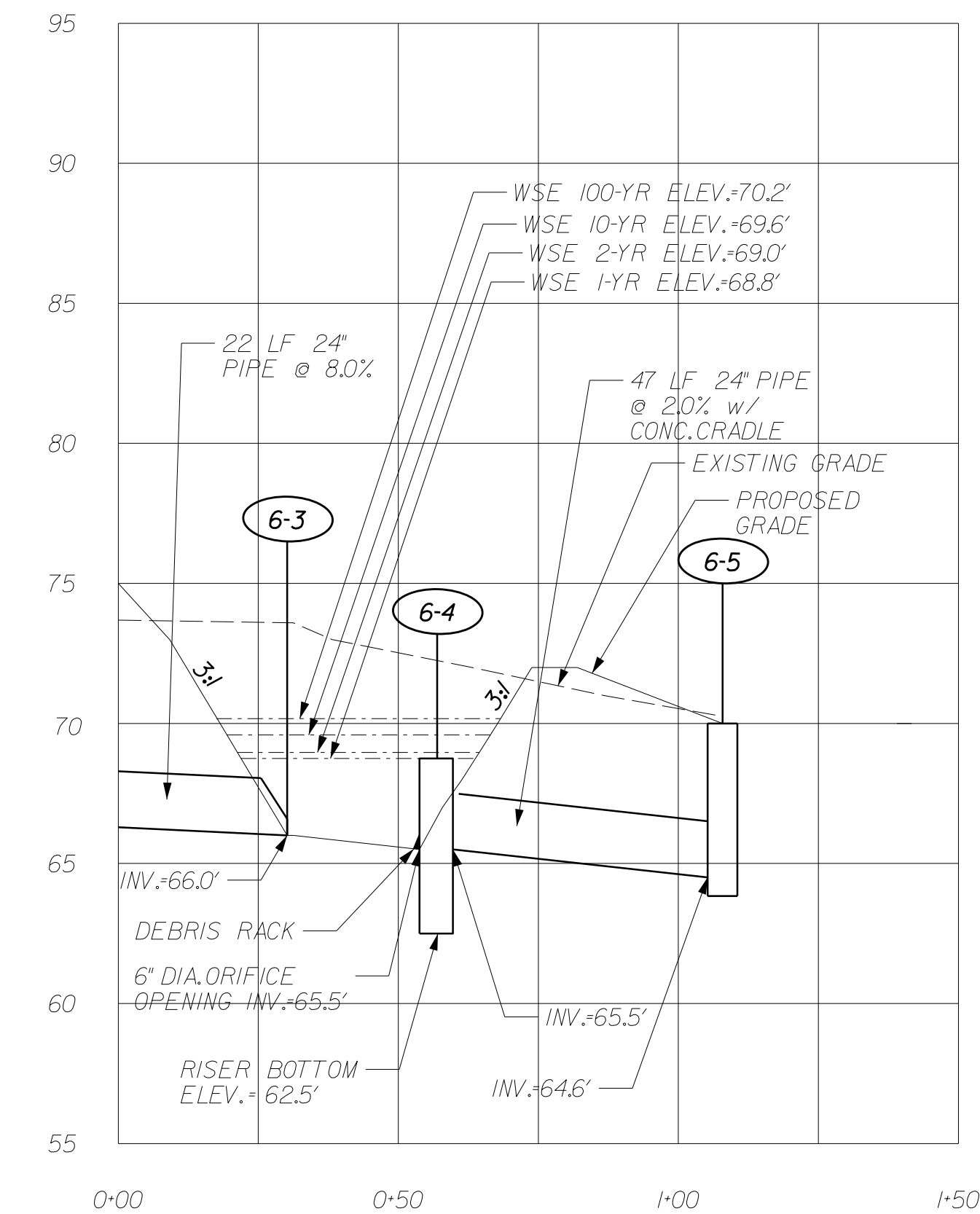


Notes:

1. WHEN INSTALLING THE STEPS AND TRASH RACK TO THE CONTROL STRUCTURE, THE CONTRACTOR SHALL ENSURE THAT THE STEPS AND TRASH RACK ACCESS DOOR ARE ORIENTED TO THE EMBANKMENT SIDE OF THE CONTROL STRUCTURE, AND TO THE EXTENT POSSIBLE, ARE IN DIRECT ALIGNMENT WITH EACH OTHER.
2. STEPS ARE TO BE INSTALLED ON THE INSIDE OF THE RISER STRUCTURE AND ACCESSIBLE FROM THE EMBANKMENT SIDE ON THE OUTSIDE OF THE STRUCTURE.
3. A HINGED, LOCKABLE ACCESS DOOR WITH A MINIMUM 2'X2' CLEAR OPENING, SHALL BE PROVIDED ON ALL TRASH RACKS AND ALIGNED DIRECTLY OVER THE STEPS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PROPOSED BMPs ONCE ALL CONNECTIONS HAVE BEEN COMPLETED, AND SHALL CERTIFY THAT THE BMPs HAVE BEEN MAINTAINED PER MANUFACTURER'S MAINTENANCE GUIDELINES OR IN ACCORDANCE WITH THE TYPICAL INDUSTRY MAINTENANCE STANDARDS. THE BMPs WILL ULTIMATELY BE OWNED AND MAINTAINED BY VDOT ONCE THE PROJECT IS COMPLETE.



RISER STRUCTURE 6-4
(SWM-1) (NTS)



SECTION A-A
SWM 1 WATER QUANTITY DETENTION
HORIZONTAL 1"=25'
VERTICAL 1"=5'

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 2B(1)
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60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER MEKDES TABOR (703-792-8137) _____
SURVEYED BY, DATE J.M.I., AUGUST 2024 _____
DESIGN BY J.M.I., (703) 464-7369 _____
SUBSURFACE UTILITY BY, DATE J.M.I., AUGUST 2024 _____

EROSION & SEDIMENT CONTROL GENERAL NOTES

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	0639-076-348 R-201, C-501		2E(1)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

EROSION & SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION

This project is located in Prince William County and approximately 5.32 acres will be disturbed by the proposed construction/maintenance activity. Roadway extension project connecting Marina Way to Horner Road and is being phased in 2 segments (Segment A and Segment B). Roadway typical section will be closed curb and gutter with a raised median. This project is covered under the DCROI VSMF General Permit for Discharges of Stormwater from Construction Activities.

EXISTING SITE CONDITIONS

The topography is gradually sloping falling from a high point in the center of the site to the easterly and westerly portion of the site. The site is a mixture of pavement with portions of grassy and wooded areas along the proposed roadway corridor. The existing site drainage consists of existing inlets discharging into receiving storm sewer systems.

ADJACENT PROPERTY

Adjacent to Route 1 on both sides are primarily commercial developed properties with undeveloped parcels directly to the North of the center of the proposed road.

OFF-SITE AREAS

There are no anticipated Off-Site borrow areas and/or surplus material disposal areas associated with this project. Therefore off-site-borrow is not covered by this Erosion and Sediment Control Plan. In the event that the above statement is not valid the contractor shall submit a supplementary E&S plan to the owner covering the off-site borrow area which would have to be approved by the authority before any off-site activity commences.

According to the Soil Survey of Prince William County, Virginia, the soils in the project area primarily consist of Urban Land - Udarthenis complex (54B). This designation describes areas where 85 percent or more of the surface layer is covered by asphalt, concrete or other impervious surfaces and areas of variable depth and slope which are well draining to moderately well drained soils. The Udarthenis are areas where the existing soils have been altered by excavation or covered by fill. Also included are undisturbed soils and fill area containing material, such as concrete, wood and asphalt.

CRITICAL EROSION AREAS

There are no critical erosion areas in the project area.

EROSION AND SEDIMENT CONTROL MEASURES

Unless otherwise indicated, all vegetative and structural erosion and sediment control practices shall be constructed and maintained according to minimum standards and specifications of the Virginia Erosion and Sediment Control Handbook (1992) and the VDOT Road and Bridge Specifications (2007). See sheet 2D(1) and 2D(2) for a list of E&S controls used and General E&S notes.

PERMANENT STABILIZATION

Permanent stabilization shall be done in accordance with the VESCH and VDOT Road & Bridge Specifications (2016). All areas disturbed by construction shall be stabilized with permanent seeding immediately following finish grading. Seeding shall be done in accordance with these plans unless otherwise directed by the engineer.

STORMWATER MANAGEMENT

Calculation of runoff before and after development indicates that there will be a net increase in peak runoff as a result of the project. Therefore stormwater management has been designed and controls have been put in place to address stormwater management. See drainage report for more details.

POST CONSTRUCTION

In addition to the visual inspection performed by the Department during the initial installation of storm sewer pipes and pipe culverts, a post installation visual/video camera inspection shall be conducted by the Contractor in accordance with the requirements of this specification and VTM 123 on all storm sewer pipe and a selected number of pipe culverts.

CALCULATIONS

Detailed calculations for the design of this project are provided in the separate Drainage and Stormwater Management Report.

VEGETATIVE PRACTICES

1. Temporary Seeding - 3.31
Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied with in seven days to denuded areas that may not be at final grade but will remain dormant for longer than 30 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year.

2. Permanent Seeding - 3.32
Permanent or temporary soil stabilization shall be applied on rough-graded areas that will not be brought to final grade for a year or more or where permanent, long-lived, vegetative cover is needed on fine-graded areas. Permanent seeding shall consist of perennial vegetative cover and shall be determined by the slopes, soil types, and maintenance requirements.

MANAGEMENT STRATEGIES

The first step in this Erosion and Sediment Control Plan for this multi-phase project is to install all perimeter controls. All perimeter controls will be in place prior to any excavation.

Phase I of the Erosion and Sediment Control Plan shall:

1. Flag limits of clearing and grading and hold pre-construction meeting.
2. Install construction entrances with wash racks as needed. Water for the wash racks to be provided by private water truck if no hydrant is available.
3. Provide minimum grading to allow Phase I measures to be installed.
4. Install perimeter controls as shown to include diversion dikes and silt fence. These sediment trapping measures shall be installed as a first step in grading per the Phase I Erosion and Sediment Control Plan and will be seeded and mulched immediately following installation.
5. Grading operations may commence once perimeter controls, diversions and trapping measures are installed to the satisfaction of the Inspector.
6. Temporary seeding or other stabilization will follow immediately after grading.
7. Once all of Phase I controls are in place, the Contractor is to contact the county Inspector for sign-off. Once sign-off is obtained by the county, the Contractor can proceed with general clearing and earthworks activities.
8. Install proposed utilities.
9. Fine grade excavated areas.
10. Lime, fertilize and permanently seed and mulch all areas that will not receive impervious cover.
11. For vegetative stabilization of all denuded areas see erosion control measures and vegetative practices.
12. Once all areas are stabilized to the satisfaction of the county Inspector the control shall remove perimeter controls.

MAINTENANCE STRATEGIES - SEDIMENT & EROSION CONTROL

1. It will be the responsibility of the Contractor to ensure that all downstream areas are protected against erosion and sedimentation. In doing so, the Contractor must coordinate with the county Inspector throughout the duration of this project.
2. In general, all erosion and sediment control measures will be checked daily and after each significant rainfall. Refer to the attached erosion and sediment control standard notes for detailed maintenance and revegetation/stabilization requirements.
3. All new seeded and mulch areas will be inspected after each rainfall event to ensure the new seed has not been washed away. If so, the areas shall be re-seeded and mulched immediately.
4. The Inspector has the authority to add or delete erosion and sediment controls as needed in the field, as site conditions warrant. The Contractor does have the authority to add additional sediment and erosion control measures as the Contractor deems necessary to prevent erosion and movement of sediment to off-site areas. Additional measures should be authorized by the project manager.
5. All temporary erosion and sediment control measures shall be removed within 30 days after final site stabilization, in accordance with minimum standard #18.

TWO PHASE EROSION & SEDIMENT CONTROL PLAN

Phase I controls shall be placed as indicated on the Erosion & Sediment Plans, prior to any land disturbing activities. Mud and debris will be washed from all construction vehicles and equipment before leaving the site. See land disturbing/construction sequence, this sheet.

Phase II work will not commence until Phase I work has been approved by the county Inspector. Phase II includes the adjustment of silt fence and perimeter controls, providing the cut and fill areas are near final grade and storm sewer is functional. The utilities, curb and gutter, and roads also should be near final grade. Base stone for the roads and parking areas should be completed within seven (7) days after reaching final grade for subgrade. Inlet protection shall be provided for all proposed and existing inlet storm structures. Additionally, any stock piles (location of which will be coordinated in the field with the site Inspector) will be provided with perimeter silt fence, topsoil, stockpiles and all areas to be rough graded during initial phase of construction shall be seeded with fast germinating temporary vegetation immediately following grading. Mixture of seed will depend on the time of year. 3:1 slope areas not adequately stabilized by seeding are to be sodded and pegged at the direction of the Inspector. After all construction operations have ended and all disturbed areas have been stabilized, mechanical sediment controls shall be removed and the ground permanently stabilized with vegetation upon the approval of the site Inspector. See land disturbing/construction sequence, this sheet.

The implementation of Phase II controls cannot begin until the Phase II controls have been approved by the Prince William County Inspector.

LAND DISTURBING/CONSTRUCTION SEQUENCE PHASE I

A Pre-Construction meeting shall be held prior to commencement of work.

Prior to clearing and grubbing, all perimeter controls are to be installed as shown and as necessary. Construct temporary sediment traps at proposed locations. The contractor shall install and maintain all necessary temporary pipes to provide adequate drainage throughout construction. Construct proposed drainage outfalls and channel relocations or improvements as shown on the plans. For all ditches constructed during Phase I, the required check dams shall be installed at the time ditches are constructed. Obtain County Site Inspector's approval of perimeter controls.

LAND DISTURBING/CONSTRUCTION SEQUENCE PHASE II

After the County Site Inspector's approval of Phase I E&S controls, clear and grub remainder of the site as necessary. Construct the proposed drainage system as shown and as necessary. Install inlet protection as shown and as needed. All silt fence is to be installed as shown and as necessary. Drop inlet silt traps shall be installed as shown and as needed. Rock check dams shown shall be installed at the same time the ditch is constructed. All ditches shall be constructed and stabilized according to the plans, once stabilization has been completed direct flow to the ditches and remove temporary diversion dikes. Install all curb & gutter and place base stone pavement except where this would interfere with the temporary sediment traps. Fine grade site and install all landscaping, including permanent seeding and fertilizing as shown in the plan. Install base course asphalt paving and final paving. Clean site of all trash and debris. Have the County Inspector inspect all areas to determine if they are adequately stabilized.

CHECKLIST

FOR EROSION AND SEDIMENT CONTROL PLANS

2. Minimum Standards - All applicable Minimum Standards must be addressed.

Narrative

3C(1) Project description - briefly describes the nature and purpose of the land-disturbing activity, and the area (acres) to be disturbed.

3C(1) Existing site conditions - a description of the existing topography, vegetation and drainage.

3C(1) Adjacent areas - A description of neighboring areas such as streams, lakes, residential areas, road, etc., which might be affected by the land disturbance.

3C(1) Off-site areas - Describe any off-site land-disturbing activities that will occur (including borrow sites, waste or surplus areas, etc.). Will any other areas be disturbed?

3C(1) Soils - a brief description to the soils on the site giving such information as soil name, mapping unit, erodibility, permeability, depth, texture and soil structure.

3C(1) Critical areas - A description of areas on the site which have potentially serious erosion problems (e.g., steep slopes, channels, wet weather / underground springs, etc.).

3C(1) Erosion and sediment control measures - A description of the methods which will be used to control erosion and sedimentation on the site. (Controls should meet the specifications in Chapter 3.)

3C(1) Permanent stabilization - A brief description, including specifications, of how the site will be stabilized after construction is completed.

3C(1) Stormwater runoff considerations - Will the development site cause an increase in peak runoff rates? Will the increase in run off cause flooding or channel degradation down stream? Describe the strategy to control stormwater runoff.

DRAINAGE AND REPORT

Calculations - Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, etc. Include calculations for pre- and post-development runoff.

SITE PLAN

1A Vicinity map - A small map locating the site in relation to the surrounding area. Include any landmarks which might assist in locating the site.

1A Indicate north - The direction of north in relation to the site.

3-7 Limits of clearing and grading - Areas which are to be cleared and graded.

3-7 Existing contours - the existing contours of the site.

3-7 Final contours - Changes to the existing contours, including final drainage patterns.

3-7 Existing vegetation - The existing tree lines, grassed areas, or unique vegetation.

2E(3) Soils - The boundaries of different soil types.

3B(1)-7B(2) Existing drainage patterns - The dividing lines and the direction of flow for the different drainage areas. Include the size (acreage) of each drainage area.

N/A Critical erosion areas - Areas with potentially serious erosion problems. (See Chapter 6 for criteria.)

3-7 Site Development - Show all improvements such as buildings, parking lots, access roads, utility construction, etc.

3B(1)-7B(2) Location of practices - The locations of erosions and sediment controls and stormwater management practices used on the site. Use the standard symbols and abbreviations in Chapter 3 of the handbook.

N/A Off-site areas - Identify any off-site land-disturbing activities (e.g., borrow sites, waste areas, etc.). Show locations of erosion controls. (Is there sufficient information to assure adequate protection and stabilization?)

N/A Detail drawings - Any structural practices used that are not referenced to the E&S hand book or local handbooks should be explained and illustrated with detail drawings.

2E(2) Maintenance - A schedule of regular inspections and repair of erosion and sediment control structures should be set forth.

PROJECT	SHEET NO.
0639-076-348	2E(1)

60% PLANS
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PROJECT MANAGER: MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE: JMI, AUGUST 2024
DESIGN BY: JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE: JMI, AUGUST 2024

①
P1 = 101+00.35
DELTA = 174°51'13" (LT)
D = 05°52'35"
T = 100.35'
L = 200.00'
R = 975.00'
PC = 100+00.00
PT = 102+00.00
e = N.C. (ULS)
V = 40 MPH

KOUDELLOU, INC.
D.B. 2740 PG. 1183
D.B. 1240 PG. 1408
T.M. *8392-97-7213
0.3220 Ac. (Tax Record)

KOUDELLOU, INC.
Instr. *202003040017393
T.M. *8392-97-8012
0.3105 Ac.

BEGIN CONSTRUCTION
0639-076-347, P-101
STA. 100+75

BEGIN PROJECT
0639-076-347, C-501
STA. 102+07.94

LEARY FAMILY LLC
D.B. 583 PG. 119
T.M. *8492-07-0230
0.2489 Ac. (Tax Record)
(Approx. Location Of
Lease Parcel)

BEGIN PROJECT
0639-076-347
R201 STA. 103+2.36
PROP. TEMP. CONST. ESM'T.

STATION PLAZA, LLC
Instr. *201910100074782
T.M. *8392-96-9852
12.4802 Ac.

GORDON PLAZA 0225, LLC
Instr. *202212070083126
T.M. *8492-07-1869
17,1075 Ac.

UTILITY OWNERS

Cable Television:
Cox Communications (COX)
3080 Centerville Road
Herndon, VA 20171
Contact: Mike Harrington
Telephone: 703-480-7852
Email: michael.harrington@cox.com

Comcast (CMC)
4391 Dale Blvd.
Woodbridge, VA 22191
Contact: Mark Siebrch
Telephone: 540-553-1415
Email: mark.siebrch@comcast.com

Electric:
Dominion Energy (DOM)
Record requests are filled out on a form located:
<https://dominionenergy.com/my.site.com/DEVAGISFacilityLocateForm/s/>
Email: facilitylocate.request@dominionenergy.com

Gas:
Washington Gas (WGL)
6801 Industrial Road
Springfield, VA 22151
Contact: Hakel Beyene (Records Coordinator)
Telephone: 703-750-4545
Email: hakel.beyene@washgas.com

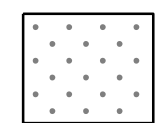



Sanitary Sewer:
Prince William County Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
Contact: Samantha Kearney, PE
Telephone: 703-335-7925
Email: skearney@pwcgov.org

Telephone:
Verizon (VZN)
9401 Peabody Street
Manassas, VA 20110
Contact: Chris Webb
Telephone: 703-369-9562
Email: christopher.s.webb@verizon.com

Traffic:
VDOT Traffic
Northern Virginia District
4975 Alliance Drive
Fairfax, VA 22030
Contact: Kevin Holzhauser
Telephone: 703-334-0369
Email: kevin.holzhauser@vdot.virginia.gov

Water:
Prince William County Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
Contact: Samantha Kearney, PE
Telephone: 703-335-7925
Email: skearney@pwcgov.org

LEGEND

-  PROPOSED FULL DEPTH PAVEMENT
-  PROPOSED DEMOLITION OF PAVEMENT & CONCRETE
-  C --- Denotes Construction Limits in Cuts
-  F --- Denotes Construction Limits in Fills

- ① ST'D CG-2 REQ'D
- ② ST'D RADIAL CG-2 REQ'D
- ③ ST'D CG-6 REQ'D
- ④ ST'D RADIAL CG-6 REQ'D
- ⑤ ST'D MS-1A REQ'D
- ⑥ ST'D CG-12, TYPE B REQ'D
- ⑦ ST'D CG-12, TYPE R12 REQ'D
- ⑧ FULL DEPTH SAWCUT
- ⑨ 4' BUFFER
- ⑩ 5' CONCRETE SIDEWALK
- ⑪ ST'D UD-4 REQ'D
- ⑫ ST'D OUTLET PIPE REQ'D
- ⑬ REMOVE EX. SIDEWALK
- ⑭ REMOVE EX. CURB & GUTTER
- ⑮ REMOVE EX. MEDIAN
- ⑯ REMOVE EXISTING CHANNELIZATION ISLAND
- ⑰ TIE INTO EXISTING CONCRETE SIDEWALK
- ⑱ TIE INTO EXISTING C&G
- ⑲ REMOVE EXISTING CHANNELIZATION ISLAND

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
TYPICAL SECTIONS	2A(1)
PROFILE SHEET	3A
CONSTRUCTION ALIGNMENT DATA	1F(1)
DRAINAGE DESCR.	2(B)

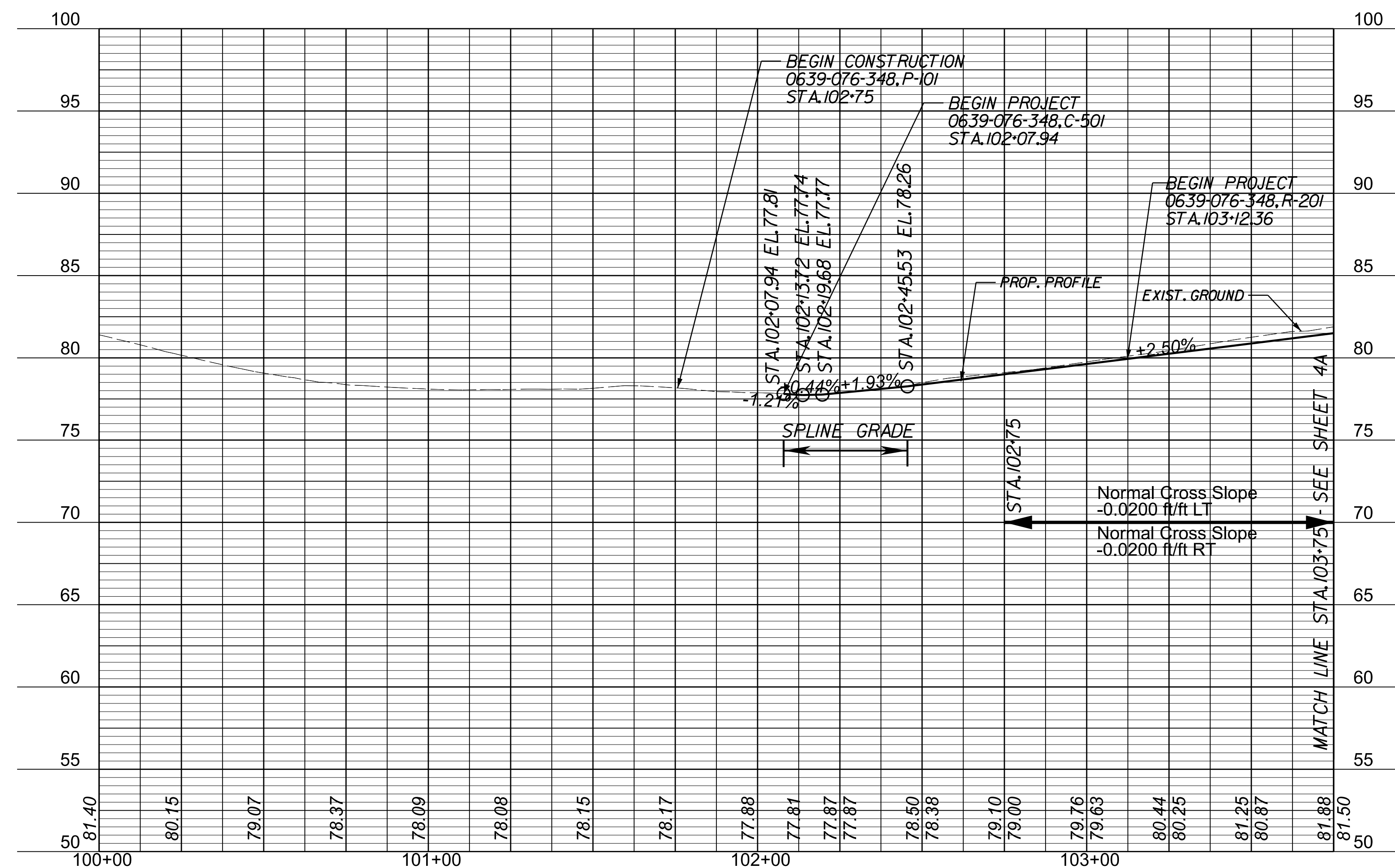
SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 3
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60% PLANS
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
 SURVEYED BY, DATE_JMI_,AUGUST_2024-----
 DESIGN BY_JMI_(703)464-7369-----
 SUBSURFACE UTILITY BY, DATE_JMI_,AUGUST_2024-----

MARINA WAY

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	0639-076-348 P-101,R-201,C-501		3A
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				



H: 1" = 25' / V: 1" = 5'	PROJECT 0639-076-348	SHEET NO. 3A
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI_AUGUST_2024
DESIGN BY_JMI_(703)464-7369
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024

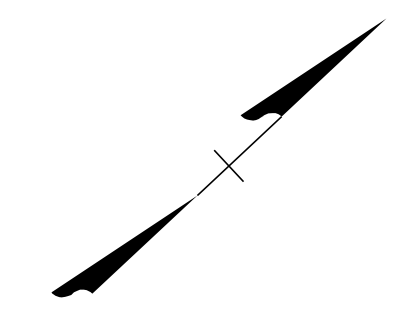
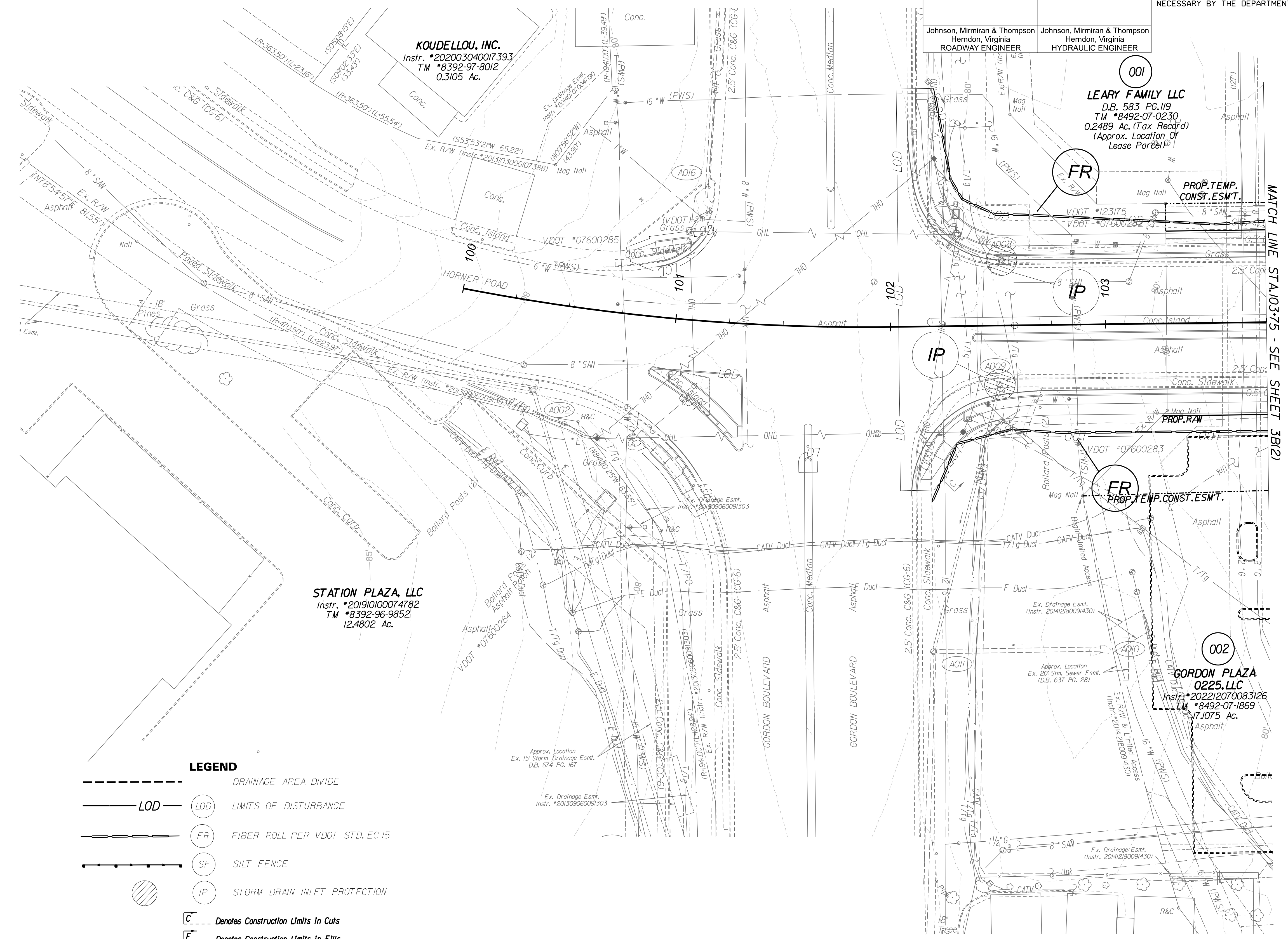
EROSION & SEDIMENT CONTROL (PHASE 1 - SEGMENT A)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	3B(1A)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

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Herndon, Virginia
ROADWAY ENGINEER

Johnson, Mirmiran & Thompson
Herndon, Virginia
HYDRAULIC ENGINEER



- LEGEND**
- DRAINAGE AREA DIVIDE
 - LOD LIMITS OF DISTURBANCE
 - FR FIBER ROLL PER VDOT STD. EC-15
 - SF SILT FENCE
 - IP STORM DRAIN INLET PROTECTION

C --- Denotes Construction Limits in Cuts
F --- Denotes Construction Limits in Fills

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 3B(1A)
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DESIGN BY_JMI, (703) 464-7369
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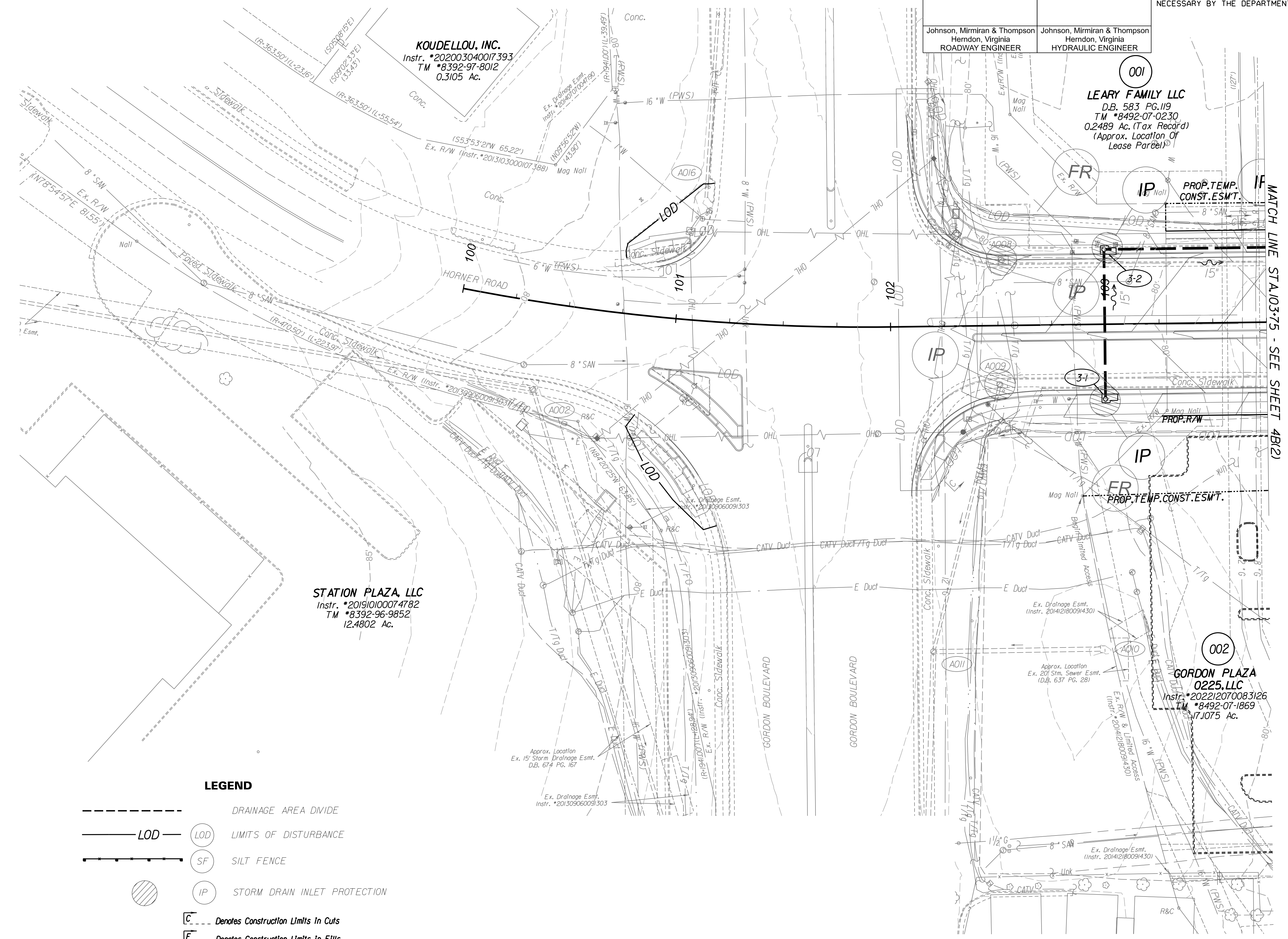
EROSION & SEDIMENT CONTROL PLAN (PHASE 2 - SEGMENT A)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	3B(2A)

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Johnson, Mirmiran & Thompson
Herndon, Virginia
ROADWAY ENGINEER

Johnson, Mirmiran & Thompson
Herndon, Virginia
HYDRAULIC ENGINEER



LEGEND

- DRAINAGE AREA DIVIDE
- LIMITS OF DISTURBANCE
- SILT FENCE
- STORM DRAIN INLET PROTECTION
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 3B(2A)
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60% PLANS

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PROJECT MANAGER: MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE: JMI, AUGUST 2024
DESIGN BY: JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE: JMI, AUGUST 2024

- (A) STA.104+48.30 MARINA WAY Δ · 90° 00' 00"
STA.10+00.00 ENT.1
- (B) STA.104+56.67 MARINA WAY Δ · 90° 00' 00"
STA.20+00.00 ENT.2
- (C) STA.106+52.73 MARINA WAY Δ · 90° 00' 00"
STA.30+00.00 ENT.3
- (D) STA.106+56.67 MARINA WAY Δ · 90° 00' 00"
STA.40+00.00 ENT.4
- (E) STA.109+45.10 MARINA WAY Δ · 90° 00' 00"
STA.50+00.00 ENT.5
- (F) STA.109+72.77 MARINA WAY Δ · 90° 00' 00"
STA.60+00.00 ENT.6

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	4

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER	Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER
---	---

UTILITY OWNERS

Cable Television:
Cox Communications (COX)
3080 Centerville Road
Herndon, VA 20171
Contact: Mike Harrington
Telephone: 703-480-7852
Email: michael.harrington@cox.com

Comcast (CMC)
4391 Dale Blvd.
Woodbridge, VA 22191
Contact: Mark Siebrch
Telephone: 540-553-1415
Email: mark_siebrch@comcast.com

Gas:
Washington Gas (WGL)
6801 Industrial Road
Springfield, VA 22151
Contact: Halikel Beyene
(Records Coordinator)
Telephone: 703-750-4545
Email: halikel.beyene@washgas.com

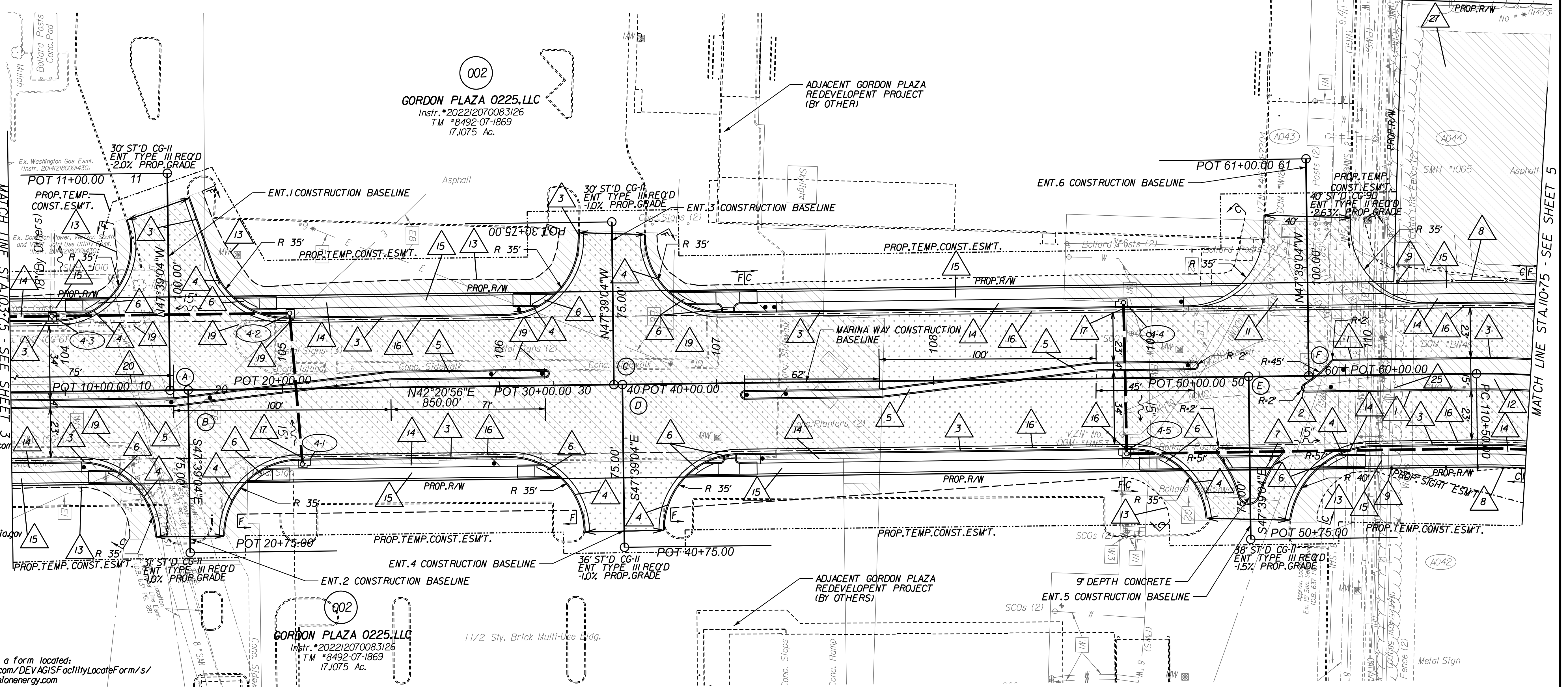
Sanitary Sewer:
Prince William County
Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
Contact: Samantha Kearney, PE
Telephone: 703-335-7925
Email: skearney@pwcgov.org

Telephone:
Verizon (VZN)
9401 Peabody Street
Manassas, VA 20110
Contact: Chris Webb
Telephone: 703-369-9562
Email: christopher.swebb@verizon.com

Traffic:
VDOT Traffic
Northern Virginia District
4975 Alliance Drive
Fairfax, VA 22030
Contact: Kevin Holzhauser
Telephone: 703-334-0369
Email: kevin.holzhauser@vdot.virginia.gov

Water:
Prince William County
Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
Contact: Samantha Kearney, PE
Telephone: 703-335-7925
Email: skearney@pwcgov.org

Electric:
Dominion Energy (DOM)
Record requests are filled out on a form located:
<https://dominionenergy.com/my.site.com/DEVAIGISF/acility/locateForm/s/>
Email: facilitylocate.request@dominionenergy.com



LEGEND

- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED DEMOLITION OF PAVEMENT & CONCRETE
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills

- 1 ST'D CG-2 REQ'D
- 2 ST'D RADIAL CG-2 REQ'D
- 3 ST'D CG-6 REQ'D
- 4 ST'D RADIAL CG-6 REQ'D
- 5 ST'D MS-1A REQ'D
- 6 ST'D CG-12, TYPE B REQ'D
- 7 ST'D CG-12, TYPE R12 REQ'D
- 8 ST'D FE-CL VINYL COATED REQ'D
- 9 ST'D CORNER BRACE VINYL COATED REQ'D UNIT FE-CL
- 10 ST'D CG-9D REQ'D
- 11 FULL DEPTH SAWCUT
- 12 4' BUFFER
- 13 5' CONCRETE SIDEWALK
- 14 ST'D UD-4 REQ'D
- 15 ST'D OUTLET PIPE REQ'D
- 16 REMOVE EX. SIDEWALK
- 17 REMOVE EX. CURB & GUTTER
- 18 REMOVE EX. MEDIAN
- 19 REMOVE EXISTING CURB RAMP
- 20 TIE INTO EXISTING CONCRETE SIDEWALK
- 21 TIE INTO EXISTING C&G
- 22 REMOVE EXISTING CHANNELIZATION ISLAND
- 23 EXISTING PAVEMENT TO BE OBSCURED

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

TYPICAL SECTIONS	2A(1) - 2A(2)
PROFILE SHEET	4A
CONSTRUCTION ALIGNMENT DATA	1F(2)
DRAINAGE DESCR.	2B
ENTRANCE PROFILE	8(1)

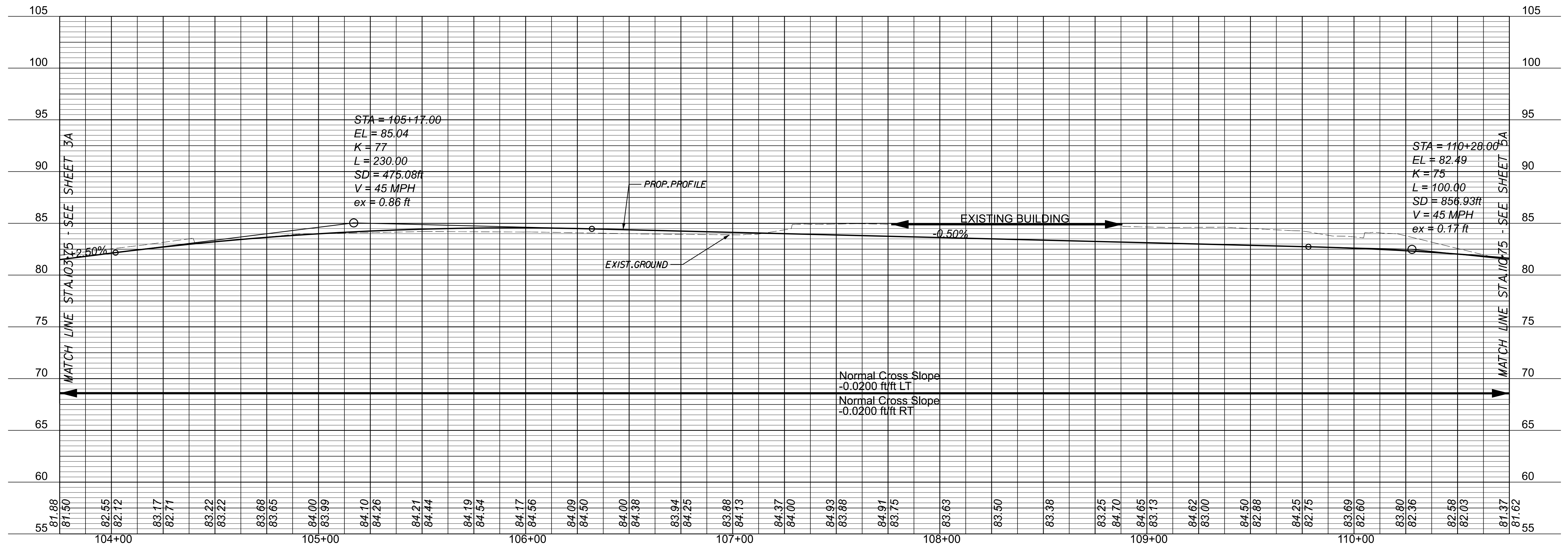
SCALE	PROJECT	SHEET NO.
0 25' 50'	0639-076-348	4

60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST_2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST_2024

MARINA WAY

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-501	4A
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				



H: 1" = 25' / V: 1" = 5'	PROJECT 0639-076-348	SHEET NO. 4A
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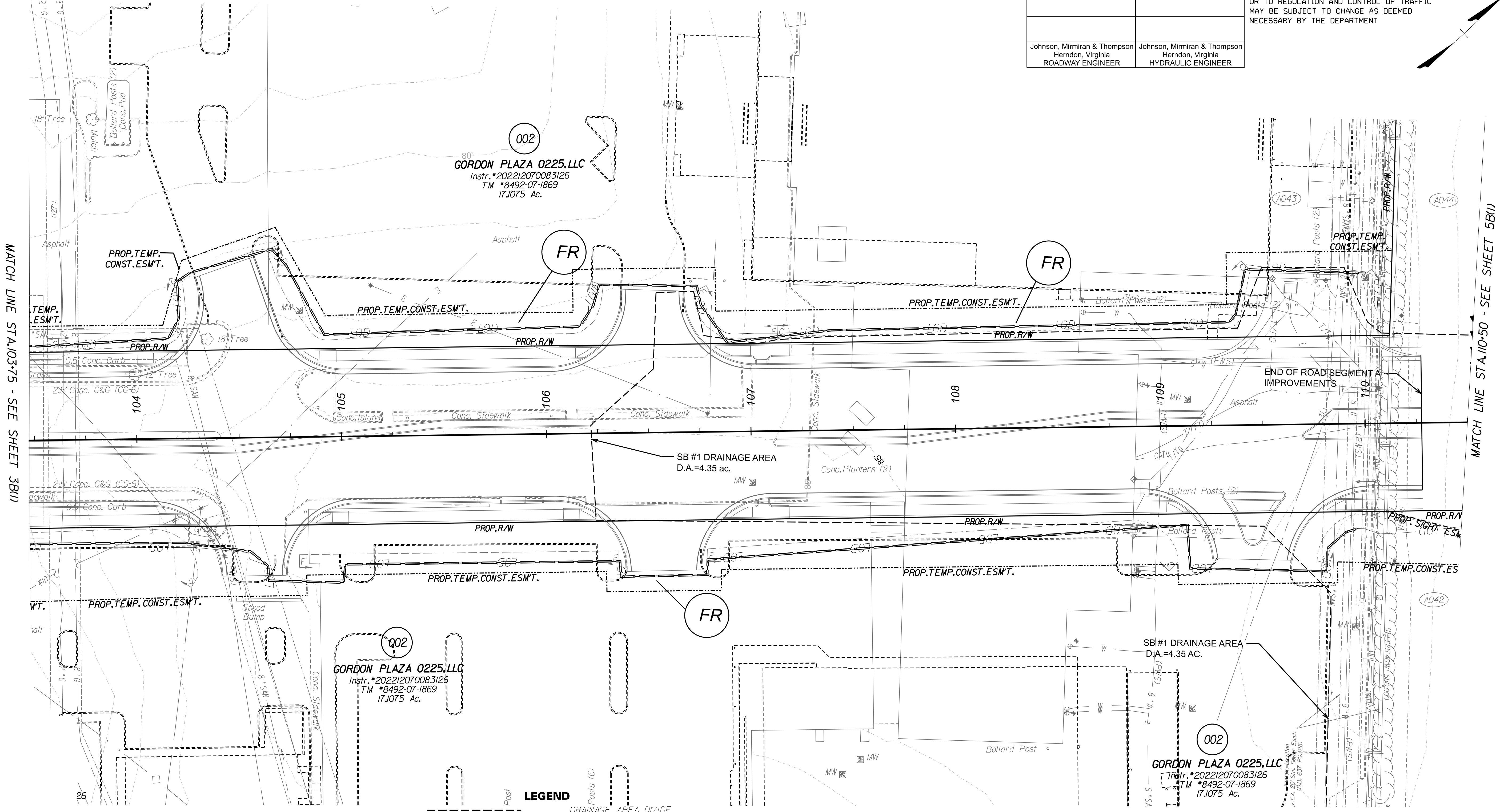
60% PLANS

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PROJECT MANAGER: MEKDES, TABOR (703-792-8137)
SURVEYED BY, DATE: JMI, AUGUST 2024
DESIGN BY: JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE: JMI, AUGUST 2024

EROSION & SEDIMENT CONTROL PLAN (PHASE 1 - SEGMENT A)

REVISED	STATE	STATE	SHEET NO.
	ROUTE	PROJECT	
	VA.	0639-076-348 R-201C-501	4B(1A)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT			
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER		Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER	



MATCH LINE STA.103+75 - SEE SHEET 3B(1)

MATCH LINE STA.110+50 - SEE SHEET 5B(1)

- LEGEND**
- DRAINAGE AREA DIVIDE
 - LOD LIMITS OF DISTURBANCE
 - FR FIBER ROLL PER VDOT STD. EC-15
 - SF SILT FENCE
 - IP STORM DRAIN INLET PROTECTION

Denotes Construction Limits in Cuts
 Denotes Construction Limits in Fills

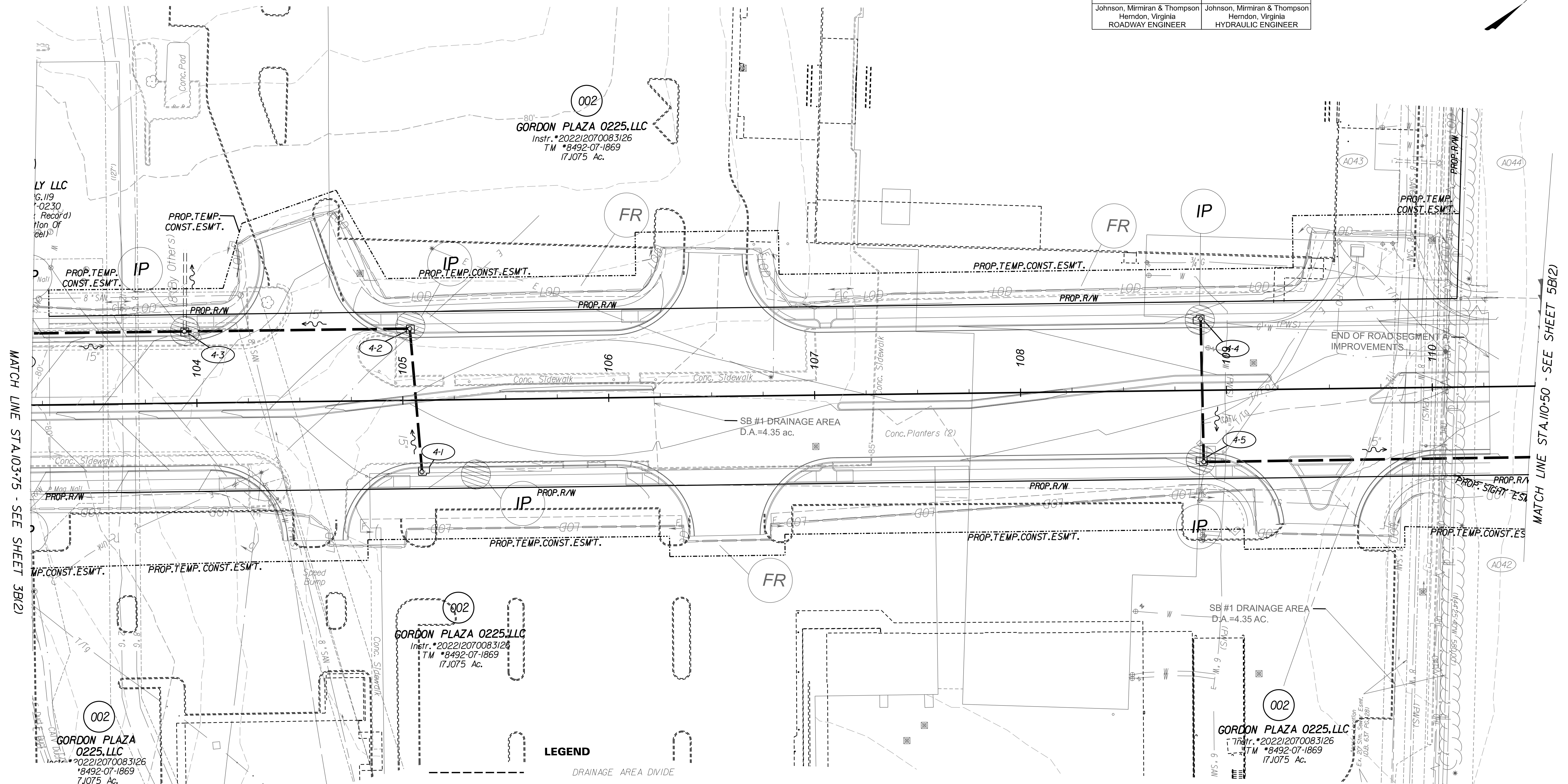
SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 4B(1A)
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60% PLANS
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PROJECT MANAGER MEKDES, TABOR (703-792-8137)
SURVEYED BY, DATE JMI, AUGUST 2024
DESIGN BY JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE JMI, AUGUST 2024

EROSION & SEDIMENT CONTROL PLAN (PHASE 2 - SEGMENT A)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	4B(2A)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER		Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER		



MATCH LINE STA. 103+75 - SEE SHEET 5B(2)

MATCH LINE STA. 110+50 - SEE SHEET 5B(2)

- LEGEND**
- LOD --- LIMITS OF DISTURBANCE
 - FR --- FIBER ROLL PER VDOT STD. EC-15
 - SF --- SILT FENCE
 - IP --- STORM DRAIN INLET PROTECTION

--- Denotes Construction Limits In Cuts
--- Denotes Construction Limits In Fills

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 4B(2A)
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60% PLANS
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PROJECT MANAGER: MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE: JMI, AUGUST 2024
DESIGN BY: JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE: JMI, AUGUST 2024

UTILITY OWNERS

Cable Television:
Cox Communications (COX)
3080 Centerville Road
Herndon, VA 20171
Contact: Mike Harrington
Telephone: 703-480-7852
Email: michael.harrington@cox.com

Comcast (CMC)
4391 Dale Blvd.
Woodbridge, VA 22191
Contact: Mark Stebrch
Telephone: 540-553-1415
Email: mark_stebrch@comcast.com

Electric:
Dominion Energy (DOM)
Record requests are filled out on a form located:
<https://dominionenergy.com/my.site.com/DEVALISTFacilityLocatorForm/s/>
Email: facilitylocate@dominionenergy.com

Gas:
Washington Gas (WGL)
6801 Industrial Road
Springfield, VA 22151
Contact: Haikel Beyene (Records Coordinator)
Telephone: 703-750-4545
Email: haikel.beyene@washgas.com

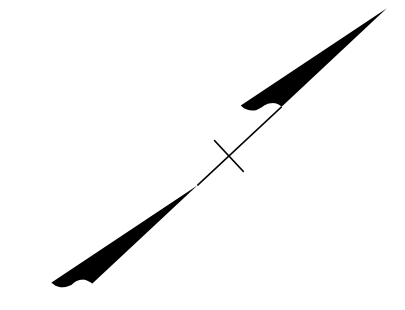
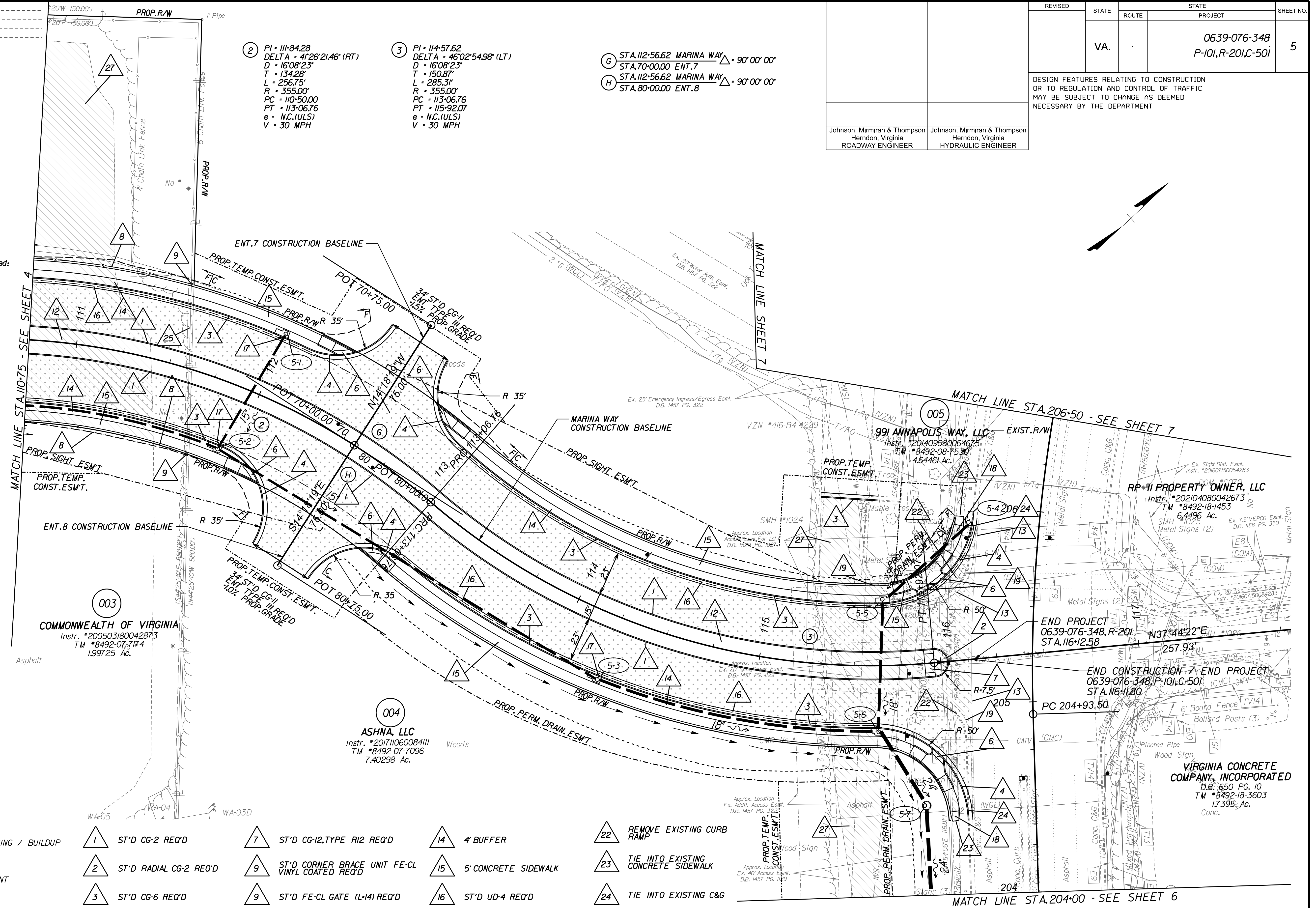
Sanitary Sewer:
Prince William County Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
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Traffic:
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Contact: Samantha Kearney, PE
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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0639-076-348 P-101, R-201, C-501	5
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER			Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER		



LEGEND

- | | | | | |
|--|--------------------------|---|--------------------------|-------------------------------------|
| PROPOSED PAVEMENT RESURFACING / BUILDUP | ST'D CG-2 REQ'D | ST'D CG-12, TYPE R12 REQ'D | 4' BUFFER | REMOVE EXISTING CURB RAMP |
| PROPOSED FULL DEPTH PAVEMENT | ST'D RADIAL CG-2 REQ'D | ST'D CORNER BRACE UNIT FE-CL VINYL COATED REQ'D | 5' CONCRETE SIDEWALK | TIE INTO EXISTING CONCRETE SIDEWALK |
| PROPOSED DEMOLITION OF PAVEMENT & CONCRETE | ST'D CG-6 REQ'D | ST'D FE-CL GATE (L-14) REQ'D | ST'D UD-4 REQ'D | TIE INTO EXISTING C&G |
| Denotes Construction Limits In Cuts | ST'D RADIAL CG-6 REQ'D | 2" TOPSOIL & SEEDING REQ'D | ST'D OUTLET PIPE REQ'D | REMOVE EXISTING FENCE |
| Denotes Construction Limits In Fills | ST'D CG-12, TYPE B REQ'D | FULL DEPTH SAWCUT | REMOVE EX. SIDEWALK | EXISTING PAVEMENT TO BE OBSCURED |
| | | | REMOVE EX. CURB & GUTTER | |

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	5A
TYPICAL SECTIONS	2A(2)
PROFILE SHEET	5A
CONSTRUCTION ALIGNMENT DATA	5A
DRAINAGE DESC.	1F(3)
ENTRANCE PROFILE	8(2)

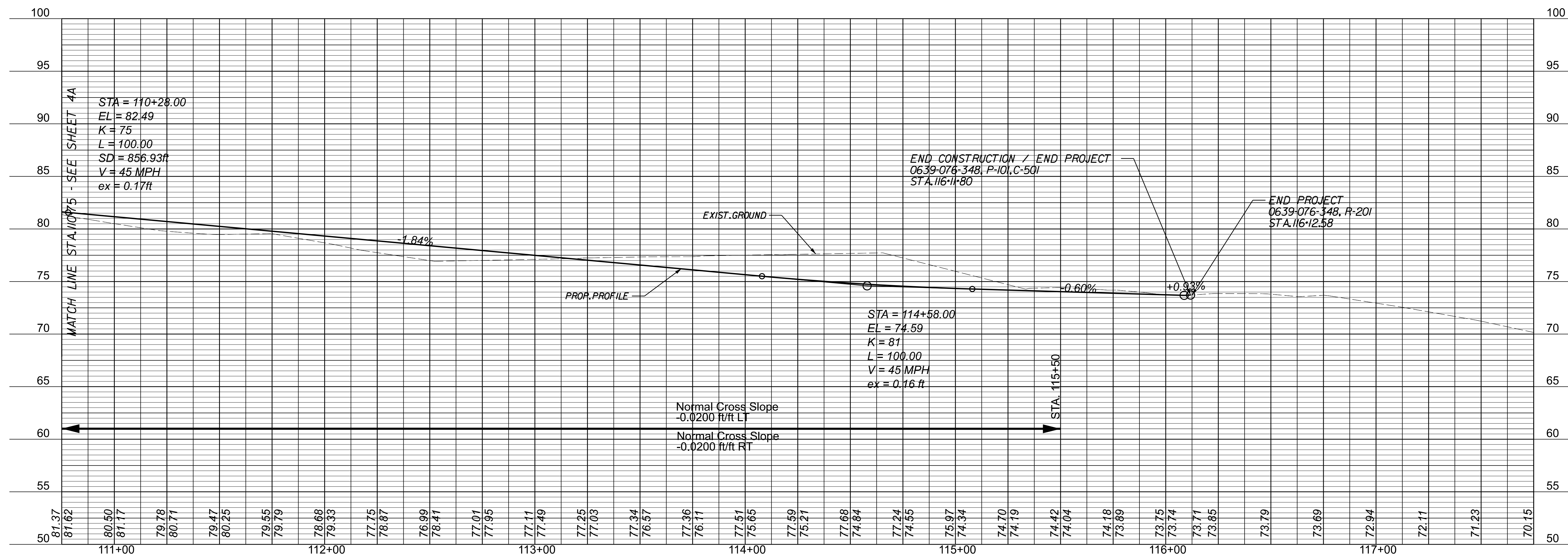
SCALE	PROJECT	SHEET NO.
0 25' 50'	0639-076-348	5

60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

MARINA WAY

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	5A
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER				



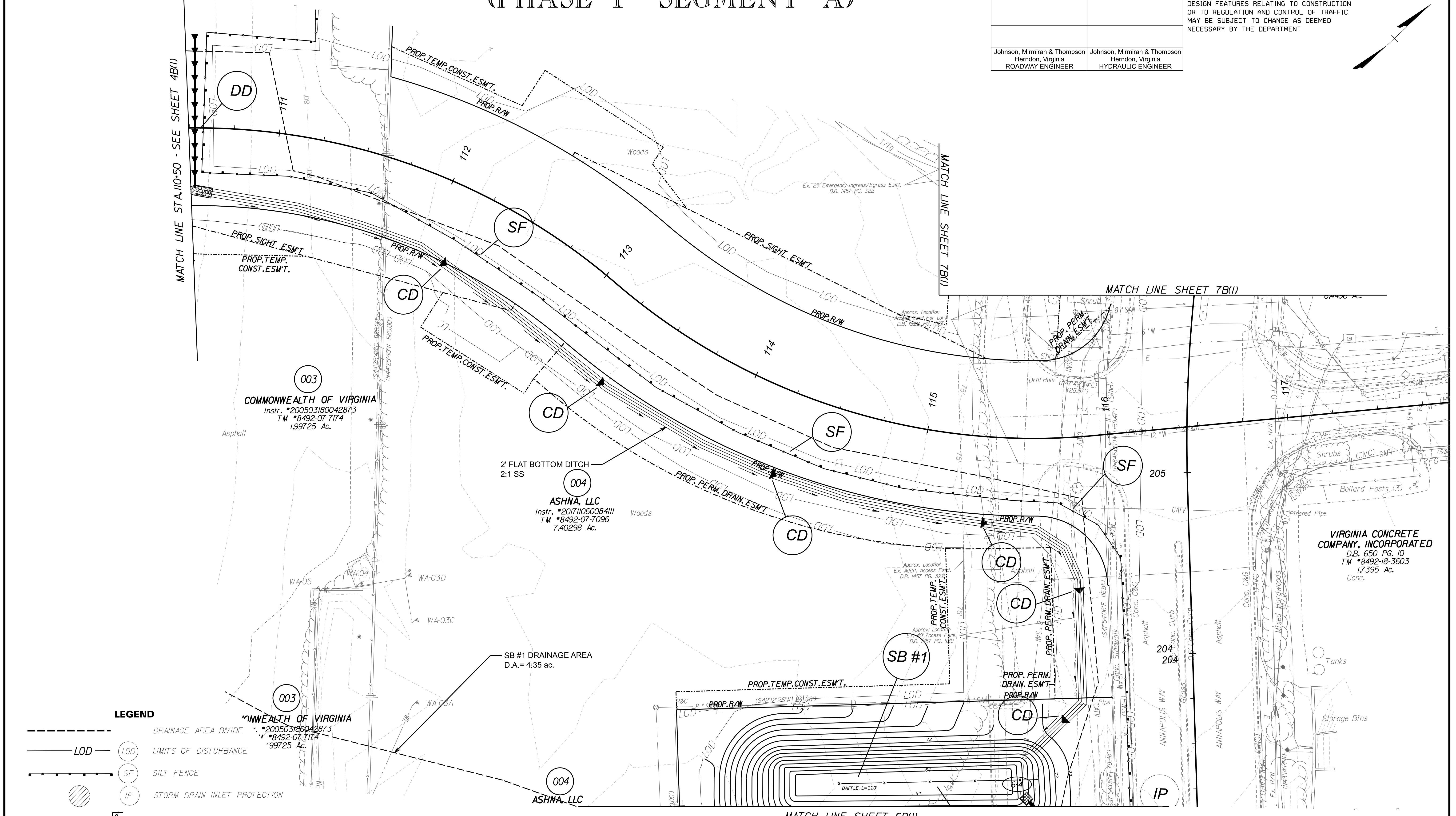
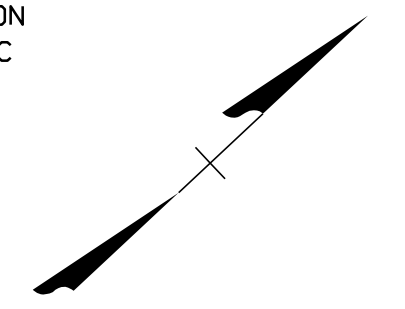
H: 1" = 25' / V: 1" = 5'	PROJECT 0639-076-348	SHEET NO. 5A
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PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

EROSION & SEDIMENT CONTROL PLAN (PHASE 1 - SEGMENT A)

	REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
		VA.			0639-076-348 P-101,R-201,C-501	5B(1A)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER			Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER			



- LEGEND**
- DRAINAGE AREA DIVIDE
 - LOD LIMITS OF DISTURBANCE
 - SF SILT FENCE
 - IP STORM DRAIN INLET PROTECTION

C --- Denotes Construction Limits In Cuts
F --- Denotes Construction Limits In Fills

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 5B(1A)
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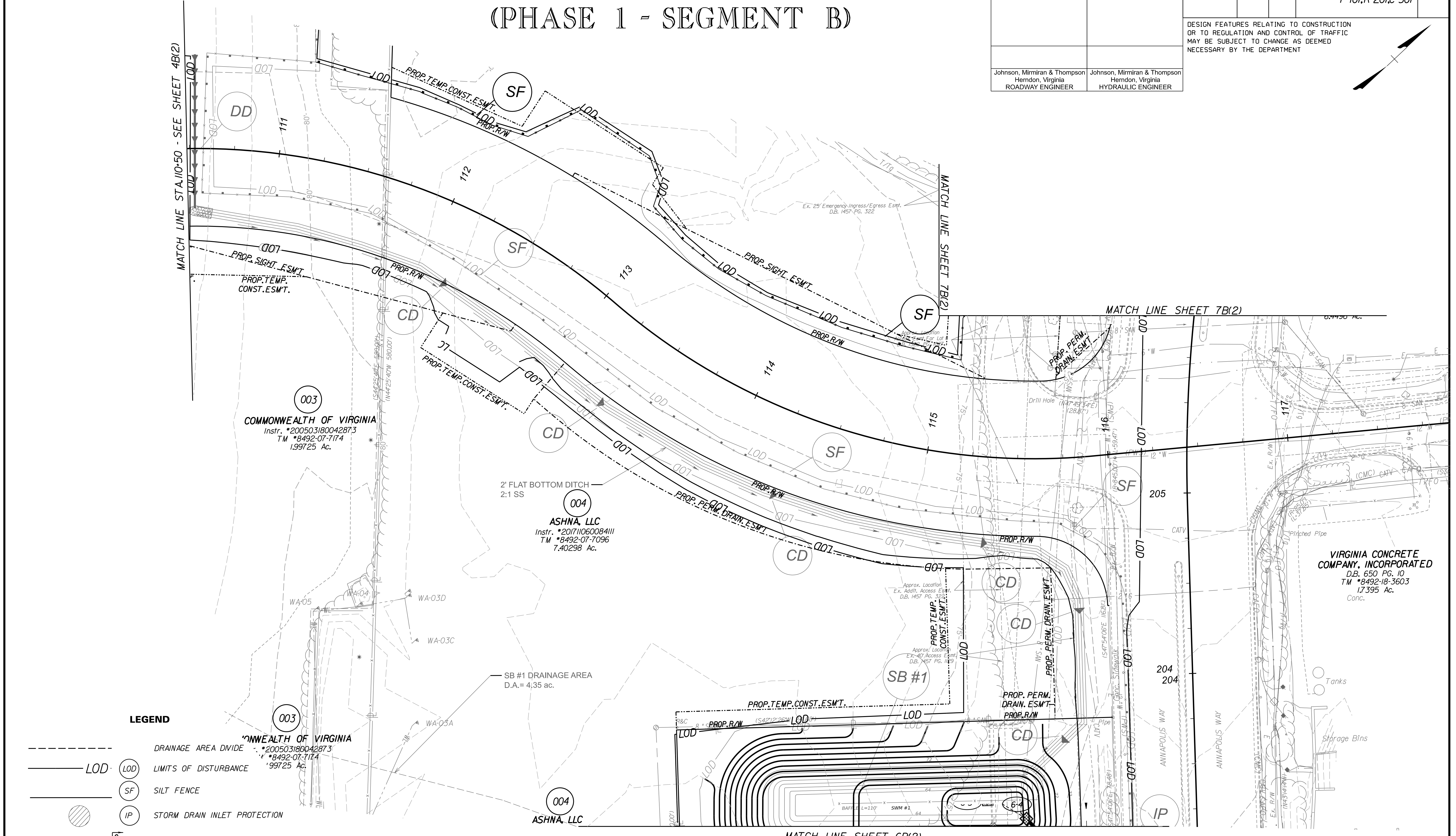
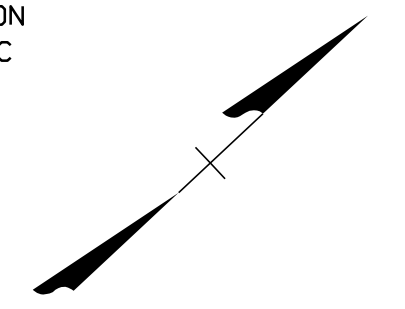
60% PLANS

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PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

EROSION & SEDIMENT CONTROL PLAN (PHASE 1 - SEGMENT B)

	REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
		VA.			0639-076-348 P-101,R-201,C-501	5B(1B)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER			Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER			



- LEGEND**
- DRAINAGE AREA DIVIDE
 - LOD LIMITS OF DISTURBANCE
 - SF SILT FENCE
 - IP STORM DRAIN INLET PROTECTION

C Denotes Construction Limits In Cuts
F Denotes Construction Limits In Fills

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 5B(1B)
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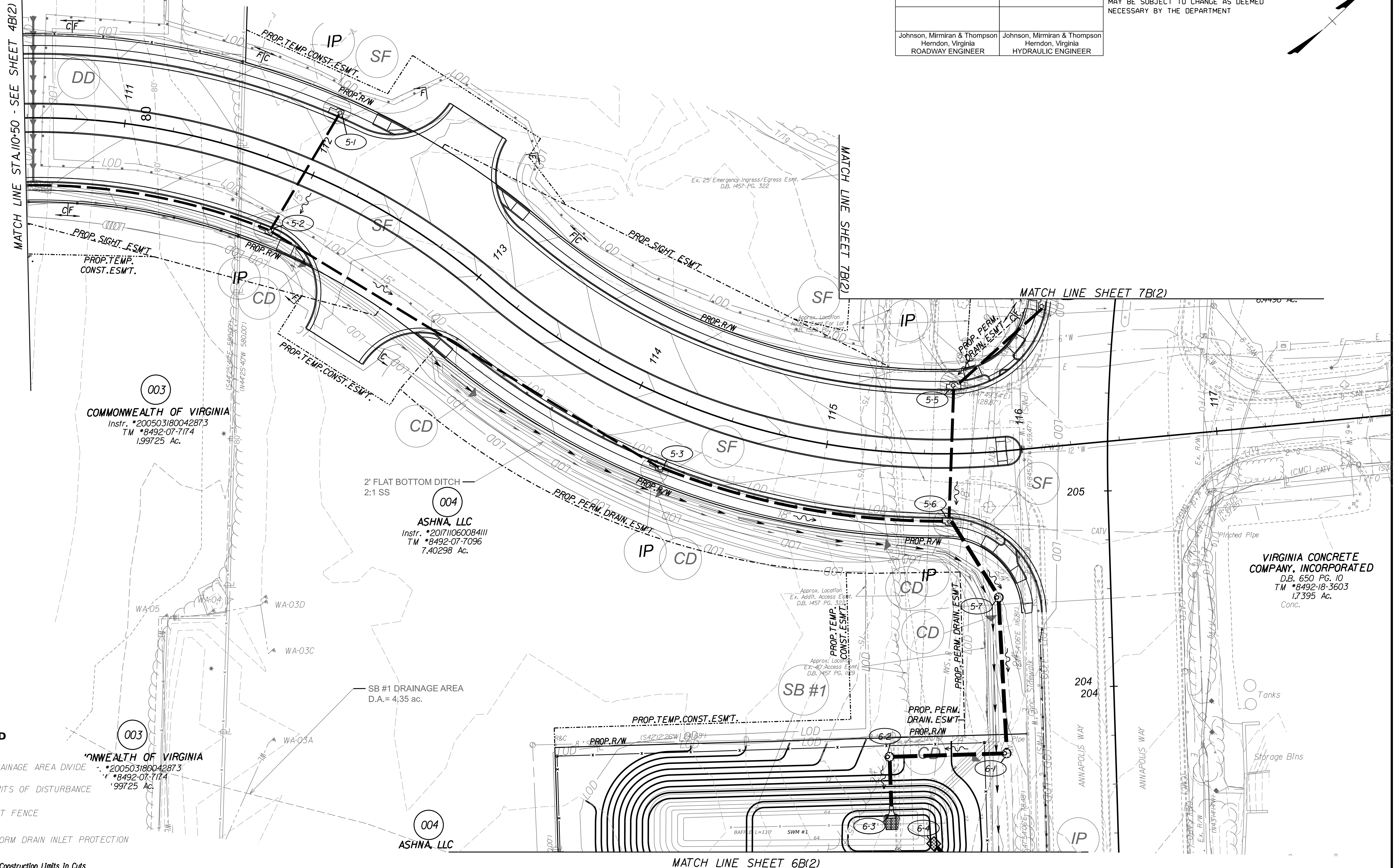
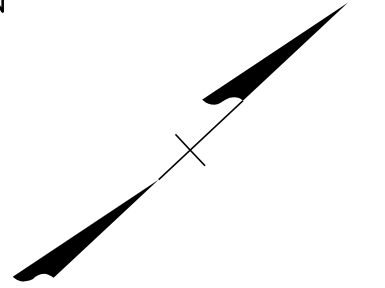
60% PLANS

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PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

EROSION & SEDIMENT CONTROL PLAN (PHASE 2 - SEGMENT B)

	REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
		VA.			0639-076-348 P-101,R-201,C-501	5B(2B)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER			Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER			



- LEGEND**
- DRAINAGE AREA DIVIDE
 - LOD LIMITS OF DISTURBANCE
 - SF SILT FENCE
 - IP STORM DRAIN INLET PROTECTION

C Denotes Construction Limits In Cuts
F Denotes Construction Limits In Fills

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 5B(2B)
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60% PLANS

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PROJECT MANAGER MEKDES TABOR (703-792-8137)
SURVEYED BY, DATE JMI, AUGUST 2024
DESIGN BY JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE JMI, AUGUST 2024

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	6
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER		Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER		

UTILITY OWNERS

Cable Television:
Cox Communications (COX)
3080 Centerville Road
Herndon, VA 20171
Contact: Mike Harrington
Telephone: 703-480-7852
Email: michael.harrington@cox.com

Comcast (CMC)
4391 Dale Blvd.
Woodbridge, VA 22191
Contact: Mark Slebrch
Telephone: 540-553-1415
Email: mark_slebrch@comcast.com

Electric:
Dominion Energy (DOM)
Record requests are filled out on a form located:
<https://dominionenergy.com/my.site.com/DEVAGISFacilityLocateForm/s/>
Email: facilitylocate.request@dominionenergy.com

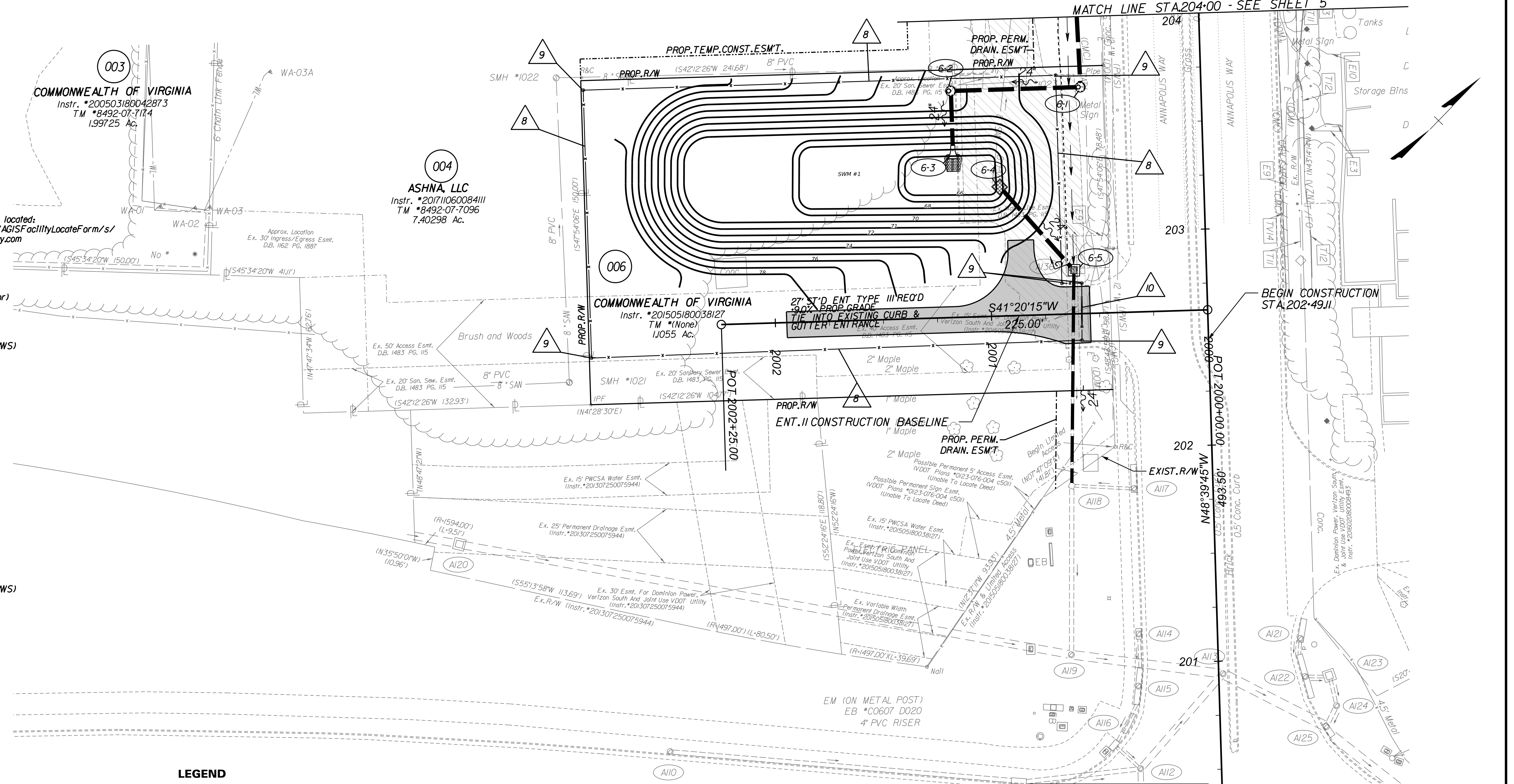
Gas:
Washington Gas (WGL)
6801 Industrial Road
Springfield, VA 22151
Contact: Halke Beyene (Records Coordinator)
Telephone: 703-750-4545
Email: halke.beyene@washgas.com

Sanitary Sewer:
Prince William County Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
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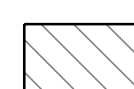

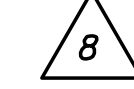
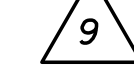

Telephone:
Verizon (VZN)
9401 Peabody Street
Manassas, VA 20110
Contact: Chris Webb
Telephone: 703-369-9562
Email: christopher.swebb@verizon.com

Traffic:
VDOT Traffic
Northern Virginia District
4975 Alliance Drive
Fairfax, VA 22030
Contact: Kevin Holzhauser
Telephone: 703-334-0369
Email: kevin.holzhauser@vdot.virginia.gov

Water:
Prince William County Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
Contact: Samantha Kearney, PE
Telephone: 703-335-7925
Email: skearney@pwcgov.org



LEGEND

-  PROPOSED DEMOLITION OF PAVEMENT & CONCRETE
-  PROPOSED ASPHALT ENTRANCE
-  ST'D FE-CL VINYL COATED REQ'D
-  ST'D CORNER BRACE UNIT FE-CL VINYL COATED REQ'D
-  ST'D FE-CL GATE (L:14) REQ'D

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

CONSTRUCTION ALIGNMENT DATA IF(4)
ENTRANCE PROFILE 8(3)

SCALE	PROJECT	SHEET NO.
0 25 50'	0639-076-348	6

60% PLANS
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI_AUGUST_2024
DESIGN BY_JMI_(703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024

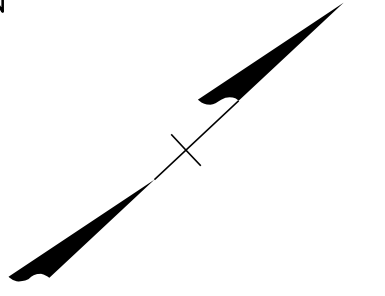
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101, R-201, C-501	6B(1A)

EROSION & SEDIMENT CONTROL PLAN (PHASE 1 - SEGMENT A)

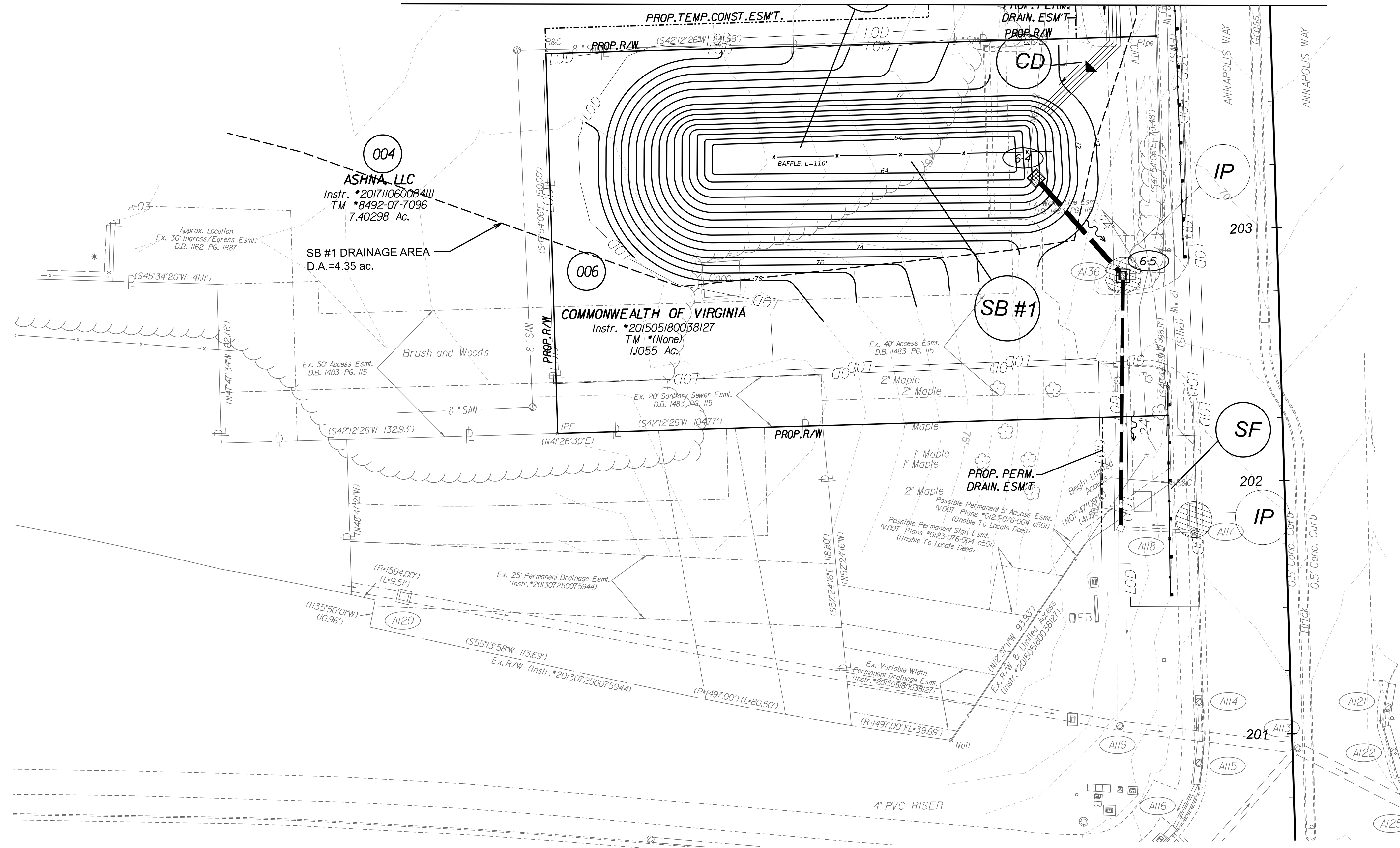
Johnson, Mirmiran & Thompson
Herndon, Virginia
ROADWAY ENGINEER

Johnson, Mirmiran & Thompson
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HYDRAULIC ENGINEER

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT



MATCH LINE SHEET 5B(1)



LEGEND

- DRAINAGE AREA DIVIDE
- LOD --- LIMITS OF DISTURBANCE
- SF --- SILT FENCE
- IP --- STORM DRAIN INLET PROTECTION
- C --- Denotes Construction Limits in Cuts
- F --- Denotes Construction Limits in Fills

SEDIMENT BASIN:

BASIN NUMBER	DRAINAGE AREA (ac.)	WET VOLUME REQUIRED (cy)	WET VOLUME PROVIDED (cy)	DRY VOLUME REQUIRED (cy)	DRY VOLUME PROVIDED (cy)	TOTAL VOLUME REQUIRED (cy)	TOTAL VOLUME PROVIDED (cy)	CLEANOUT ELEVATION	ORIFICE ELEVATION	ORIFICE DIA.(in.)	TOP OF RISER ELEVATION	TOP OF DAM ELEVATION	TOP OF DAM WIDTH	BASIN BOTTOM ELEVATION	EMERGENCY SPILLWAY WIDTH (ft),D+1.0 (ft.)	RISER DIM.(in.)	BARREL LENGTH (ft.)	BARREL DIA.(in.)	TRASH RACK DIA.(in.)	TRASH RACK HEIGHT (in.)	BAFFLE LENGTH (ft.)
1	4.35	291.5	296	291.5	307	583	603	65.80	67.00	5	68.75	72.00	8'	64.00	N/A	48x48	47	24	48x48	18	110

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 6B(1A)
--------------------	-------------------------	---------------------

60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

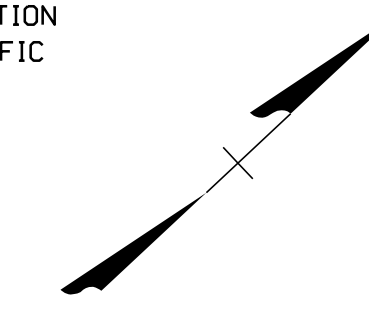
EROSION & SEDIMENT CONTROL PLAN (PHASE 2 - SEGMENT B)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101, R-201, C-501	6B(2B)

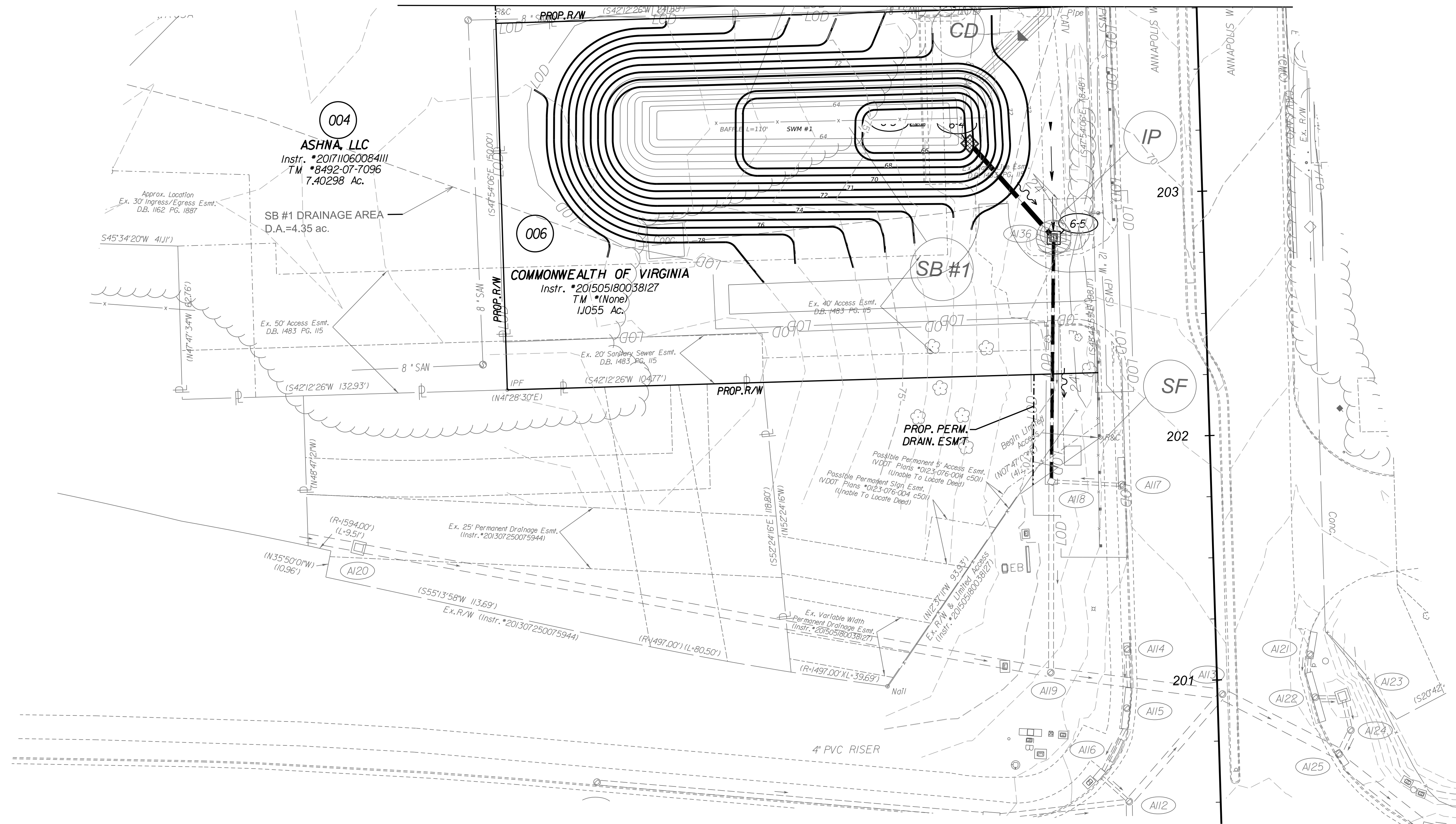
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Herndon, Virginia
ROADWAY ENGINEER

Johnson, Mirmiran & Thompson
Herndon, Virginia
HYDRAULIC ENGINEER



MATCH LINE SHEET 5B(2)



LEGEND

- DRAINAGE AREA DIVIDE
- LOD --- LIMITS OF DISTURBANCE
- SF --- SILT FENCE
- IP --- STORM DRAIN INLET PROTECTION
- Denotes Construction Limits in Cuts
- Denotes Construction Limits in Fills



PROJECT 0639-076-348
SHEET NO. 6B(2B)

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PROJECT MANAGER MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE JMI_AUGUST_2024
DESIGN BY JMI_(703) 464-7369
SUBSURFACE UTILITY BY, DATE JMI_AUGUST_2024

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	7

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Herndon, Virginia
ROADWAY ENGINEER

Johnson, Mirmiran & Thompson
Herndon, Virginia
HYDRAULIC ENGINEER

UTILITY OWNERS

Cable Television:
Cox Communications (COX)
3080 Centerville Road
Herndon, VA 20171
Contact: Mike Harrington
Telephone: 703-480-7852
Email: michael.harrington@cox.com

Comcast (CMC)
4391 Dale Blvd.
Woodbridge, VA 22191
Contact: Mark Stebrch
Telephone: 540-553-1415
Email: mark.stebrch@comcast.com

Electric:
Dominion Energy (DOM)
Record requests are filled out on a form located:
<https://dominionenergy.com/my.site.com/DEVAGIS/FacilityLocateForm/s/>
Email: facility.locate.request@dominionenergy.com

Gas:
Washington Gas (WGL)
6801 Industrial Road
Springfield, VA 22151
Contact: Halkel Beyene (Records Coordinator)
Telephone: 703-750-4545
Email: halkel.beyene@washgas.com

Sanitary Sewer:
Prince William County Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
Contact: Samantha Kearney, PE
Telephone: 703-335-7925
Email: skearney@pwcgov.org

Telephone:
Verizon (VZN)
9401 Peabody Street
Manassas, VA 20110
Contact: Chris Webb
Telephone: 703-369-9562
Email: christopher.s.webb@verizon.com

Traffic:
VDOT Traffic
Northern Virginia District
4975 Alliance Drive
Fairfax, VA 22030
Contact: Kevin Holzhauser
Telephone: 703-334-0369
Email: kevin.holzhauser@vdot.virginia.gov

Water:
Prince William County Service Authority (PWS)
4 County Complex Court
Woodbridge, VA 22192
Contact: Samantha Kearney, PE
Telephone: 703-335-7925
Email: skearney@pwcgov.org

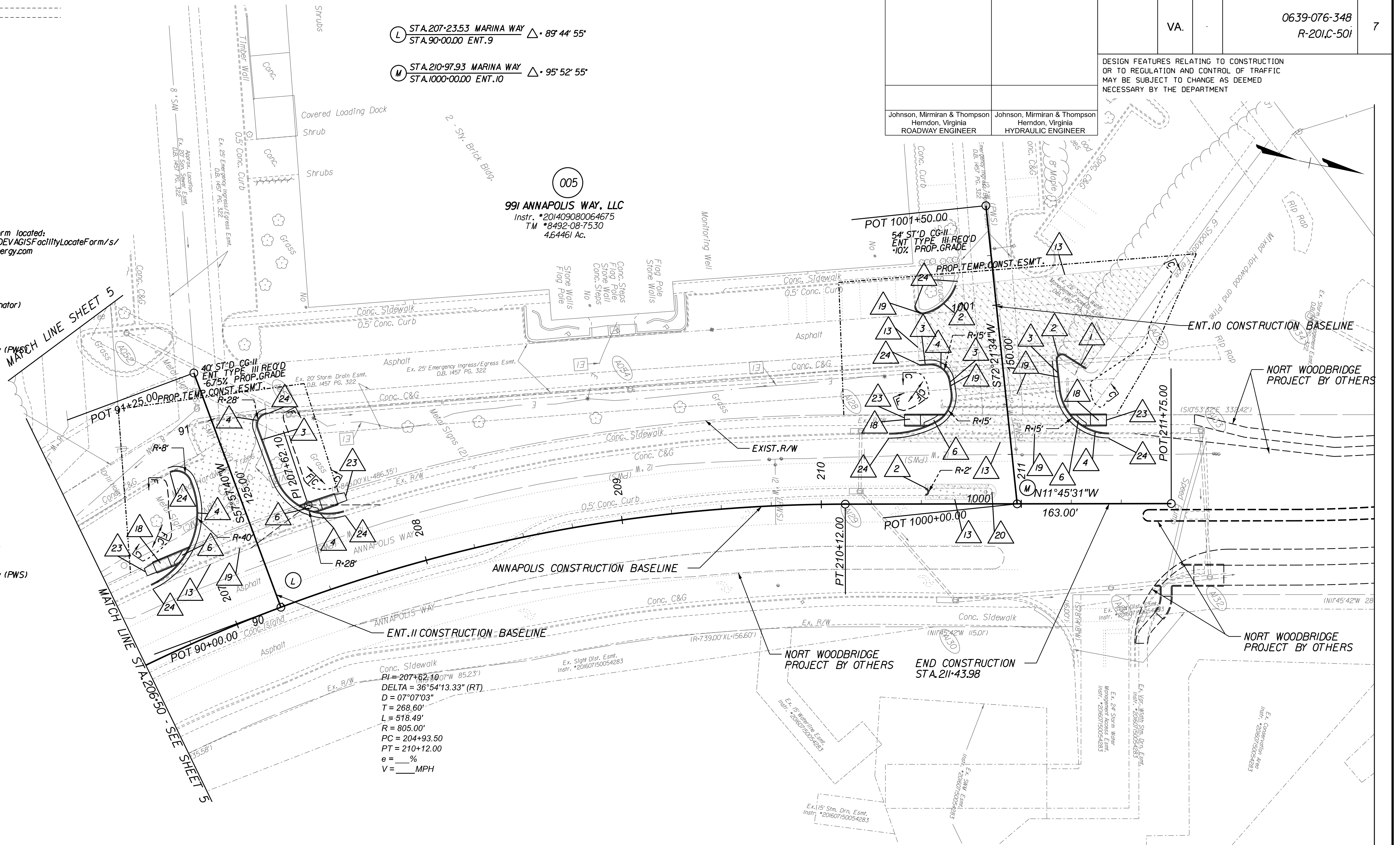
MATCH LINE SHEET 5

MATCH LINE STA. 206+50 - SEE SHEET 5

(L) STA. 207+23.53 MARINA WAY
STA. 90+00.00 ENT. 9 Δ = 89° 44' 55"

(M) STA. 210+97.93 MARINA WAY
STA. 1000+00.00 ENT. 10 Δ = 95° 52' 55"

005
991 ANNAPOLIS WAY, LLC
Instr. *201409080064675
TM *8492-08-7530
4.64461 Ac.



Conc. Sidewalk
PI = 207+62.10
DELTA = 36° 54' 13.33" (RT)
D = 07° 07' 03"
T = 268.60'
L = 518.49'
R = 805.00'
PC = 204+93.50
PT = 210+12.00
e = %
V = MPH

LEGEND

- PROPOSED PAVEMENT RESURFACING / BUILDUP
- PROPOSED FULL DEPTH PAVEMENT
- PROPOSED DEMOLITION OF PAVEMENT & CONCRETE
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills

- | | | |
|--------------------------|-------------------------------|--|
| 1 ST'D CG-2 REQ'D | 6 ST'D CG-12, TYPE B REQ'D | 19 REMOVE EX. CURB & GUTTER |
| 2 ST'D RADIAL CG-2 REQ'D | 12 2" TOPSOIL & SEEDING REQ'D | 20 REMOVE EX. MEDIAN |
| 3 ST'D CG-6 REQ'D | 13 FULL DEPTH SAWCUT | 23 TIE INTO EXISTING CONCRETE SIDEWALK |
| 4 ST'D RADIAL CG-6 REQ'D | 18 REMOVE EX. SIDEWALK | 24 TIE INTO EXISTING C&G |

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

CONSTRUCTION ALIGNMENT DATA IF(5)
ENTRANCE PROFILE 8(3)

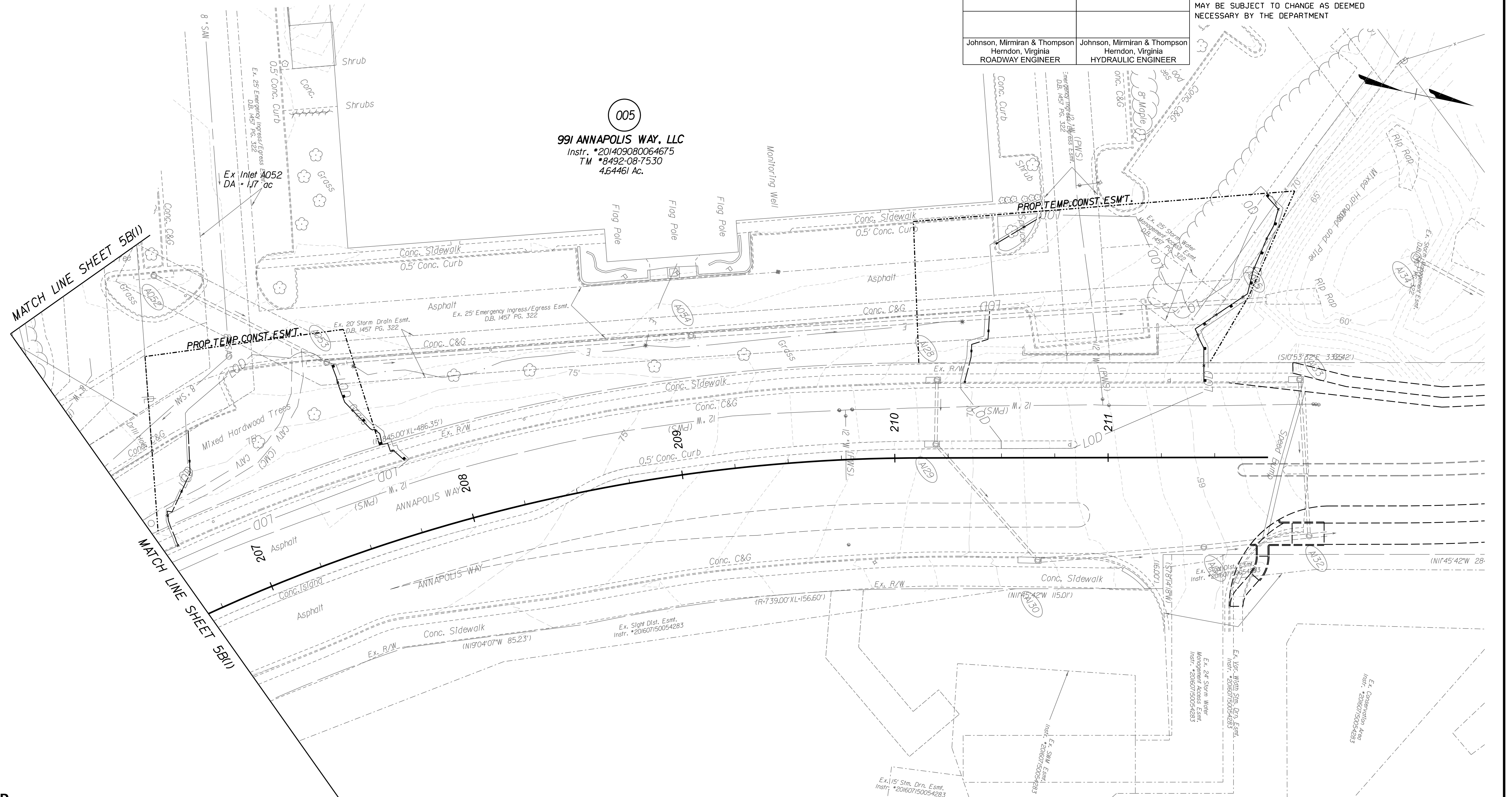
SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 7
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60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR (703-792-8137)
SURVEYED BY, DATE_JMI_AUGUST_2024
DESIGN BY_JMI_(703)464-7369
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024

EROSION & SEDIMENT CONTROL PLAN (PHASE 1 - SEGMENT B)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-501	7B(1B)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER		Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER		



005
991 ANNAPOLIS WAY, LLC
Instr. *201409080064675
TM *8492-08-7530
4.64461 Ac.

- LEGEND**
- DRAINAGE AREA DIVIDE
 - LOD — LIMITS OF DISTURBANCE
 - SF — SILT FENCE
 - IP STORM DRAIN INLET PROTECTION
 - C Denotes Construction Limits in Cuts
 - E Denotes Construction Limits in Fills

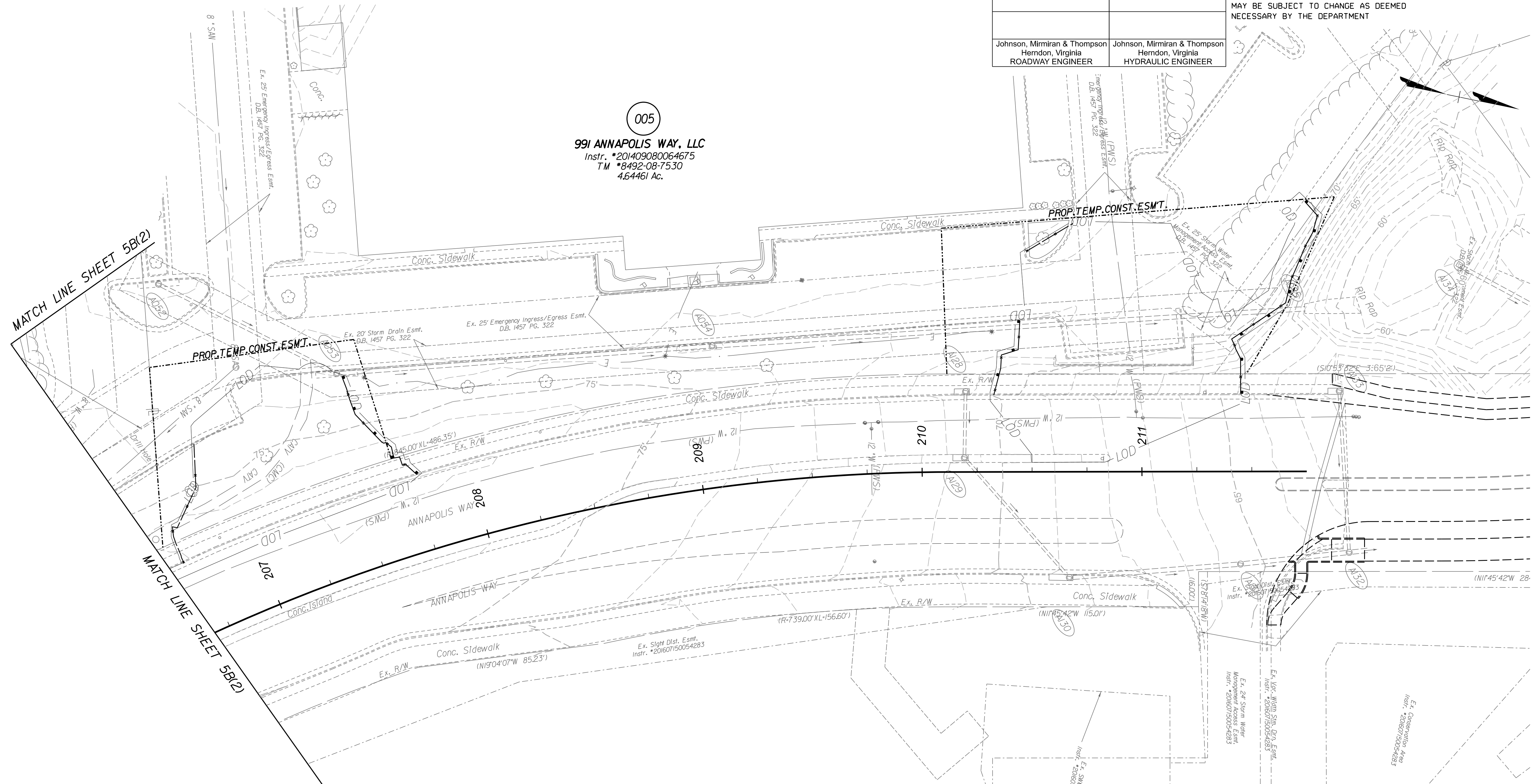
SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 7B(1B)
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PROJECT MANAGER: MEKDES, TABOR (703-792-8137)
SURVEYED BY, DATE: JMI, AUGUST 2024
DESIGN BY: JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE: JMI, AUGUST 2024

EROSION & SEDIMENT CONTROL PLAN (PHASE 2 - SEGMENT B)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	7B(2B)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER		Johnson, Mirmiran & Thompson Herndon, Virginia HYDRAULIC ENGINEER		



005
991 ANNAPOLIS WAY, LLC
Instr. *201409080064675
TM *8492-08-7530
4.64461 Ac.

MATCH LINE SHEET 5B(2)

MATCH LINE SHEET 5B(2)

- LEGEND**
- DRAINAGE AREA DIVIDE
 - LIMITS OF DISTURBANCE
 - SILT FENCE
 - STORM DRAIN INLET PROTECTION
 - Denotes Construction Limits in Cuts
 - Denotes Construction Limits in Fills

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 7B(2B)
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI_AUGUST_2024
DESIGN BY_JMI_(703)464-7369
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024

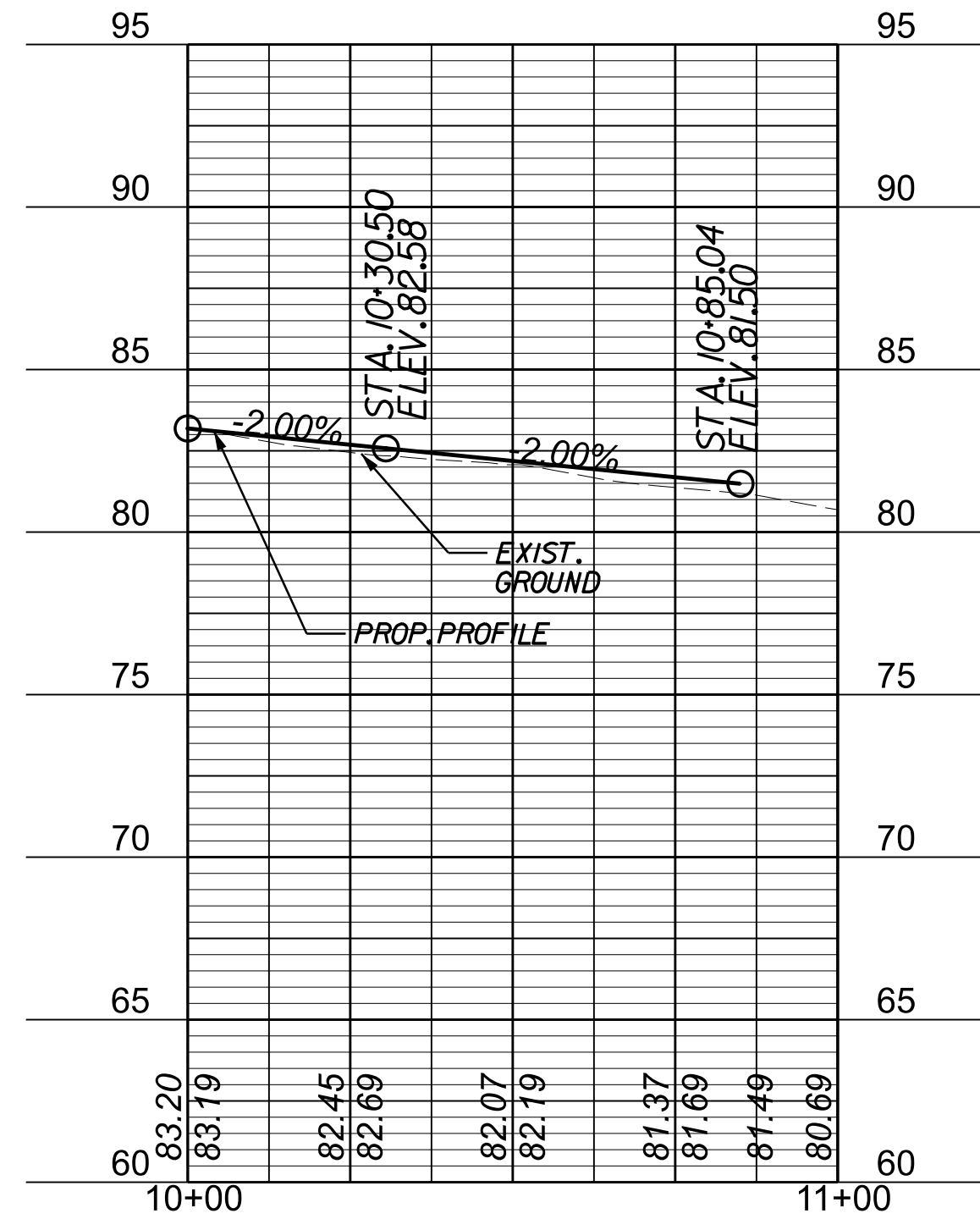
ENTRANCE PROFILES

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201C-501	8(1)

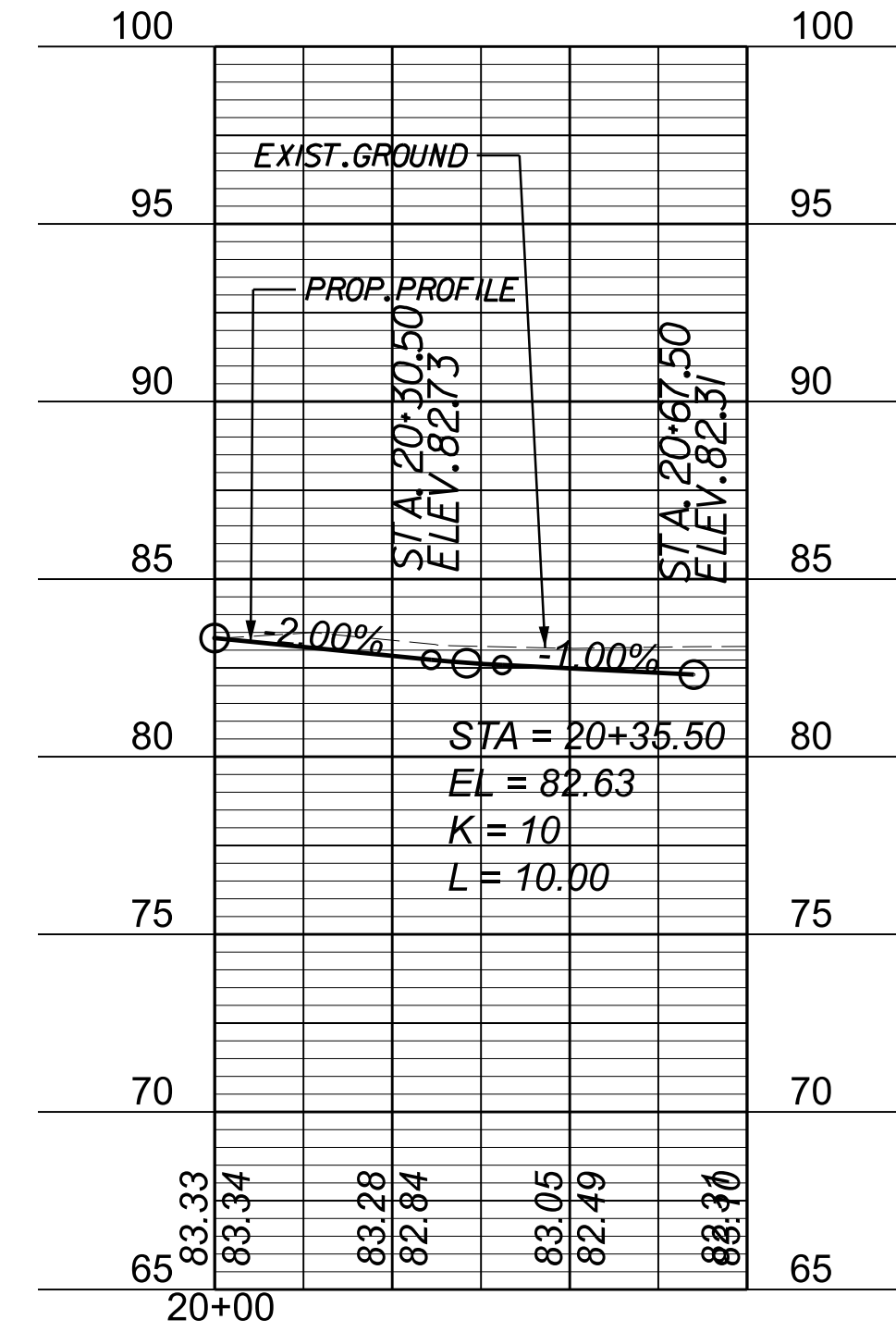
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Herndon, Virginia
ROADWAY ENGINEER

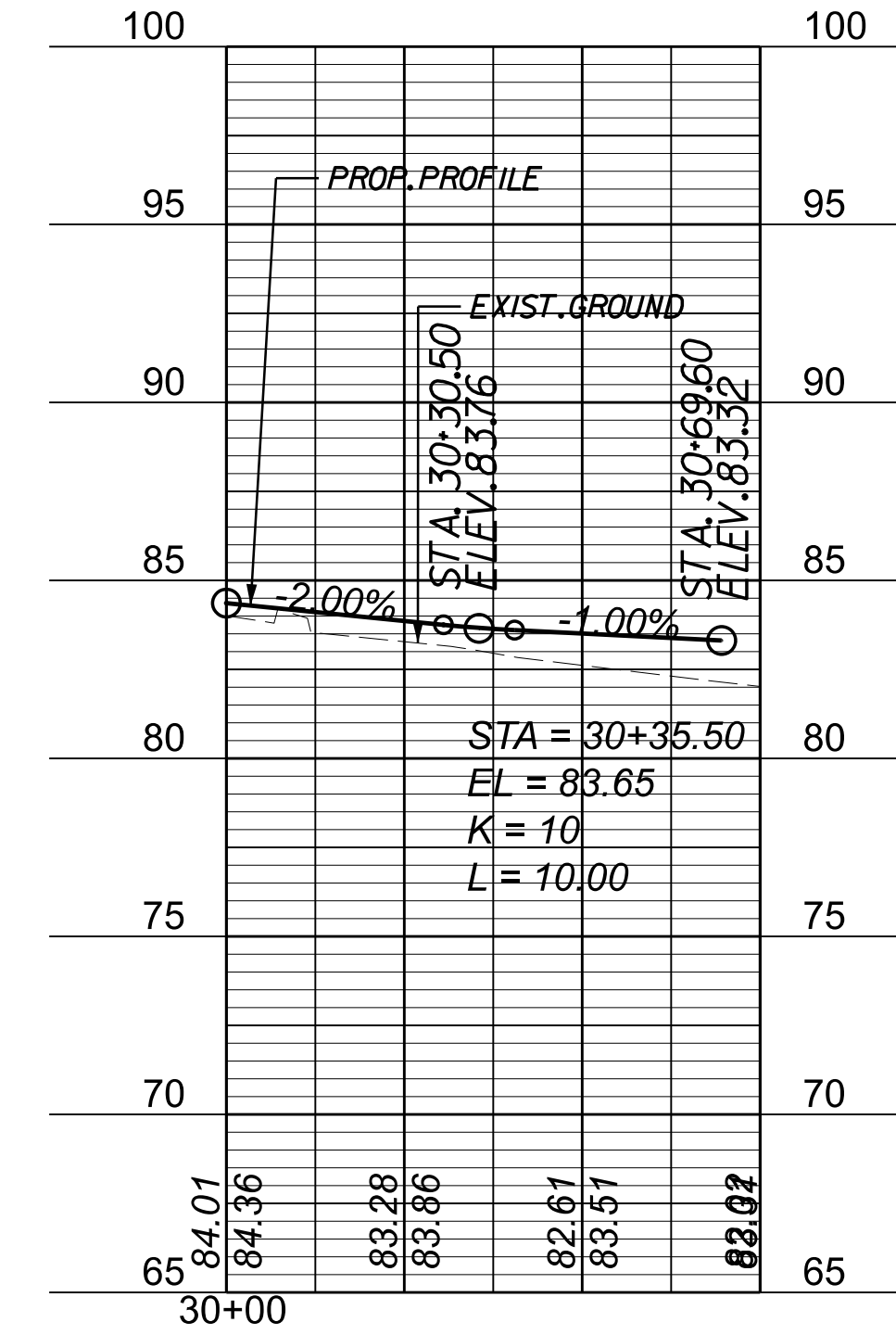
ENTRANCE 1



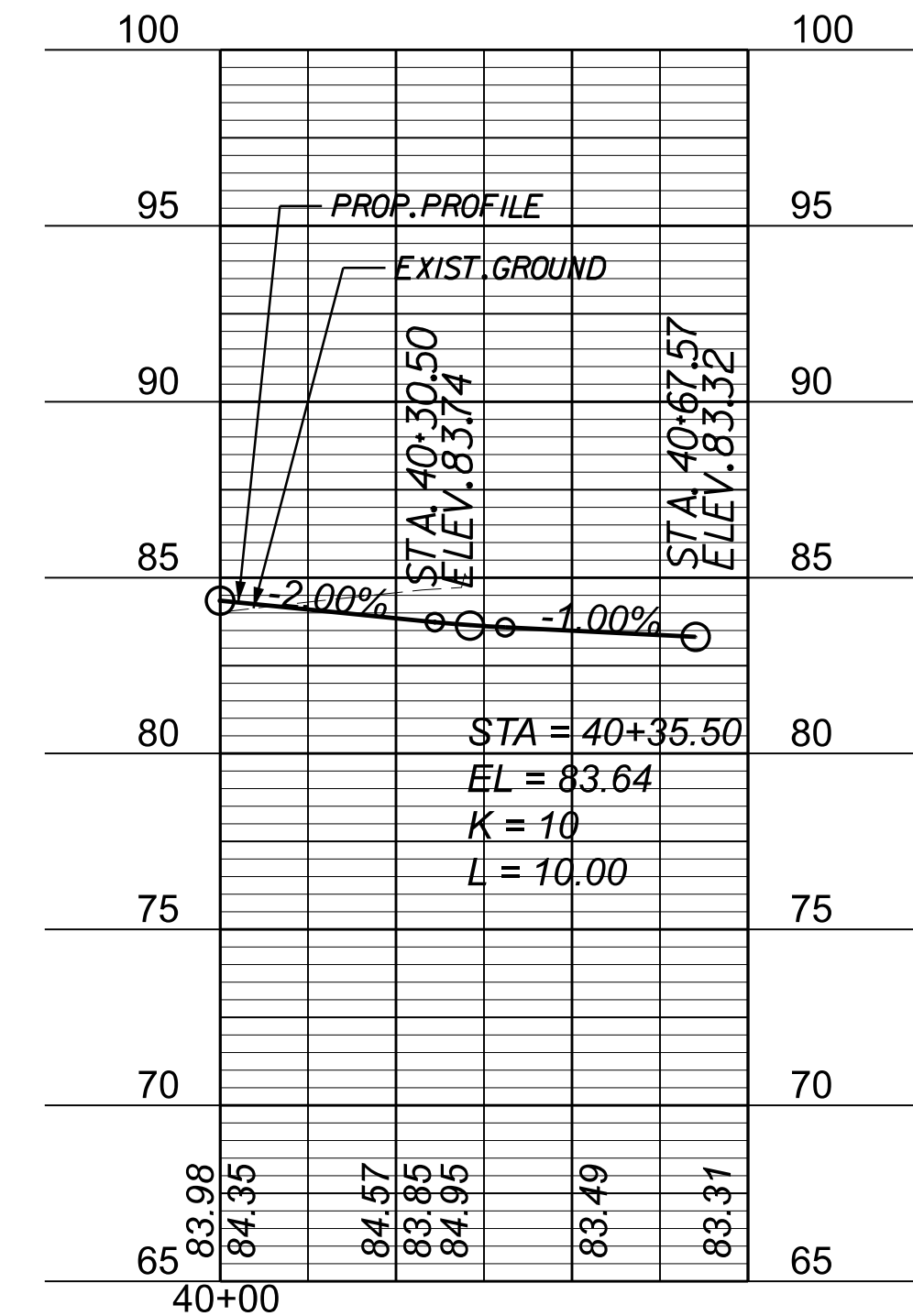
ENTRANCE 2



ENTRANCE 3

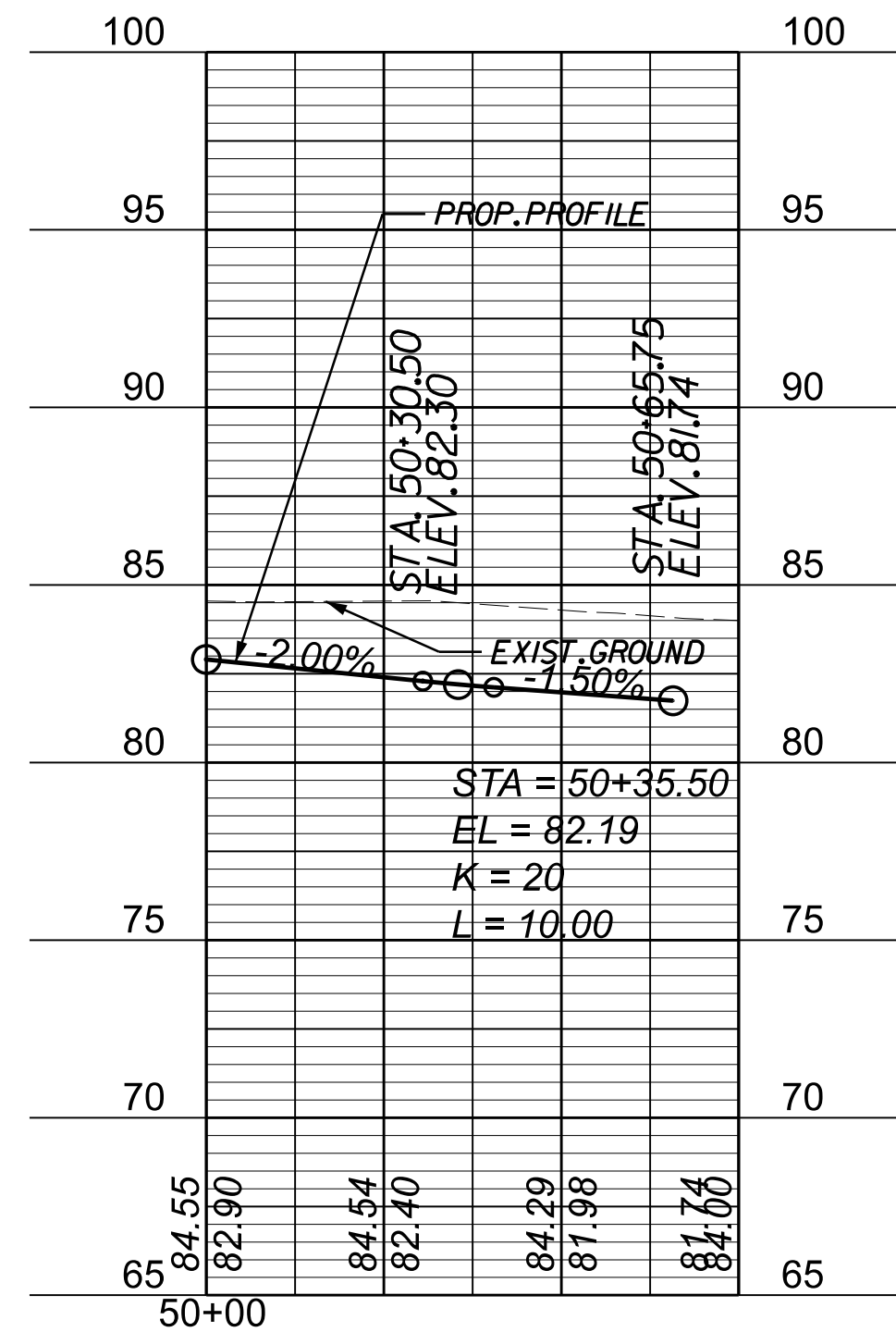


ENTRANCE 4

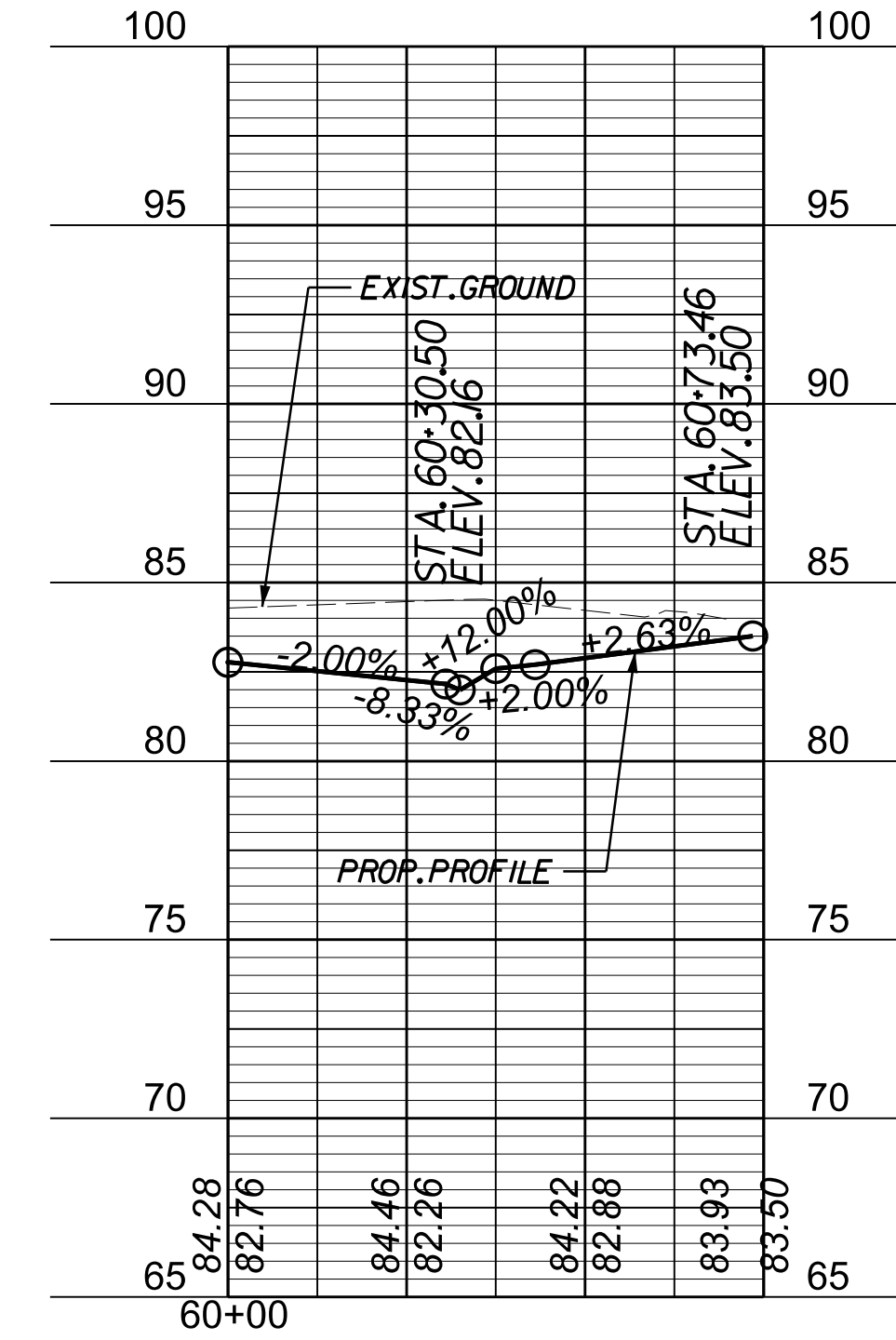


Left Superelevation

ENTRANCE 5



ENTRANCE 6



NOTES:

1) GORDON PLAZA REDEVELOPMENT PROJECT WILL TIE INTO PROPOSED ENTRANCE PROFILES.

H: 1" = 25' / V: 1" = 5'	PROJECT 0639-076-348	SHEET NO. 8(1)
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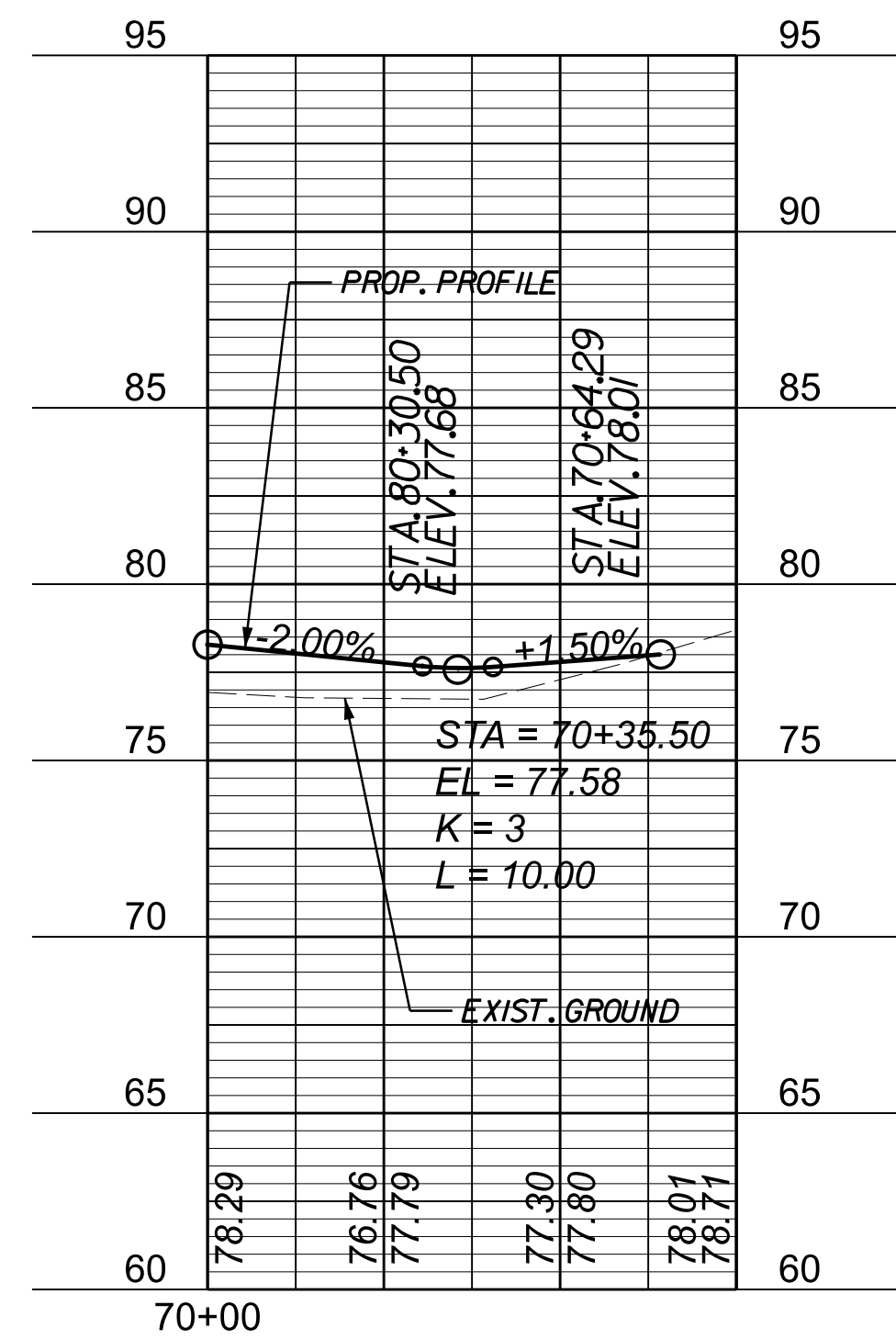
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
 SURVEYED BY, DATE_JMI_,AUGUST_2024-----
 DESIGN BY_JMI_(703)464-7369-----
 SUBSURFACE UTILITY BY, DATE_JMI_,AUGUST_2024-----

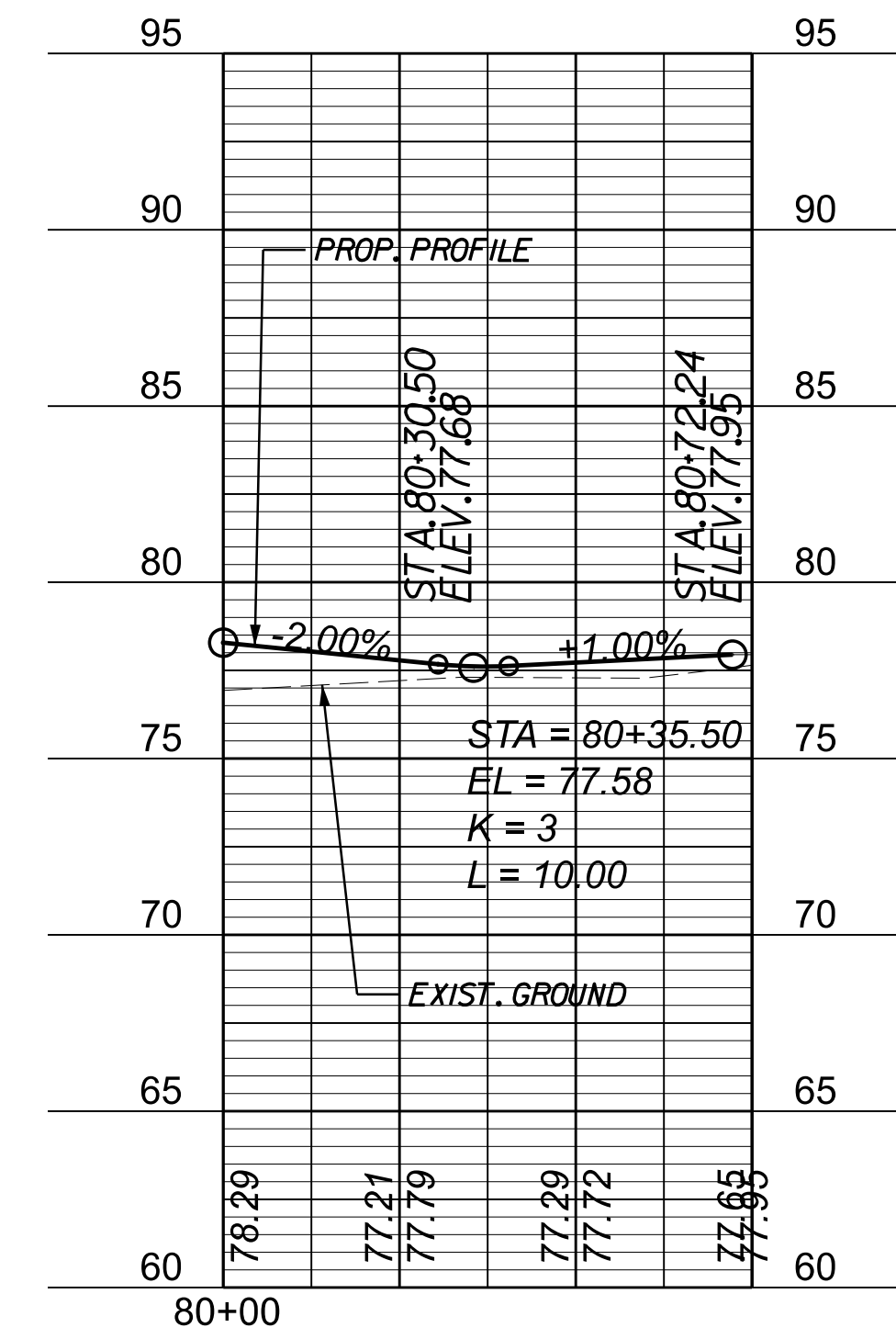
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.			0639-076-348 R-201,C-50i	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER					

ENTRANCE PROFILES

ENTRANCE 7



ENTRANCE 8



NOTES:

1) REDEVELOPMENT OF PARCEL 004 WILL TIE INTO PROPOSED ENTRANCES PROFILES 7 & 8.

H: 1" = 25' / V: 1" = 5'	PROJECT 0639-076-348	SHEET NO. 8(2)
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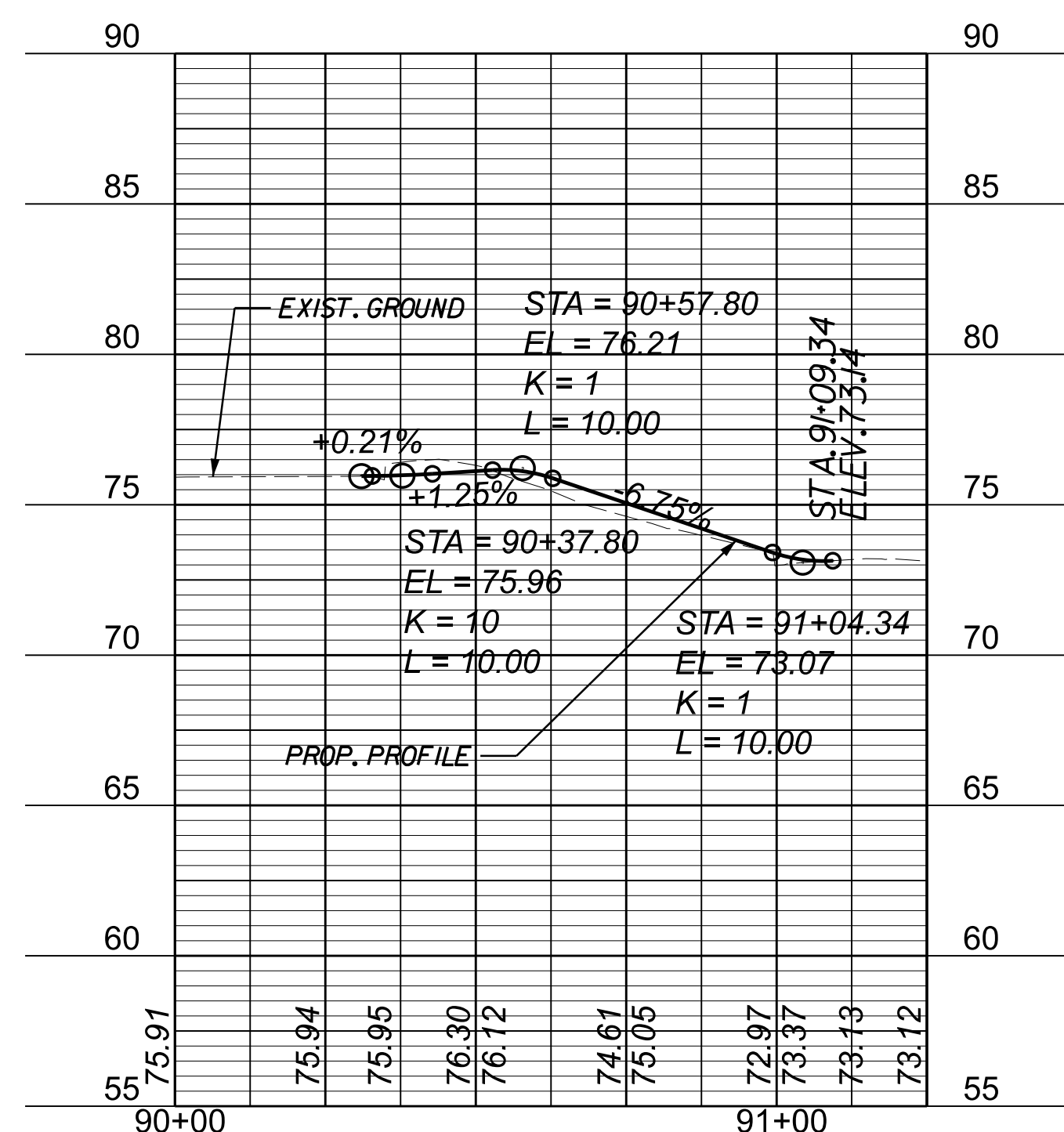
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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)-----
SURVEYED BY, DATE_JMI, AUGUST 2024-----
DESIGN BY_JMI, (703) 464-7369-----
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024-----

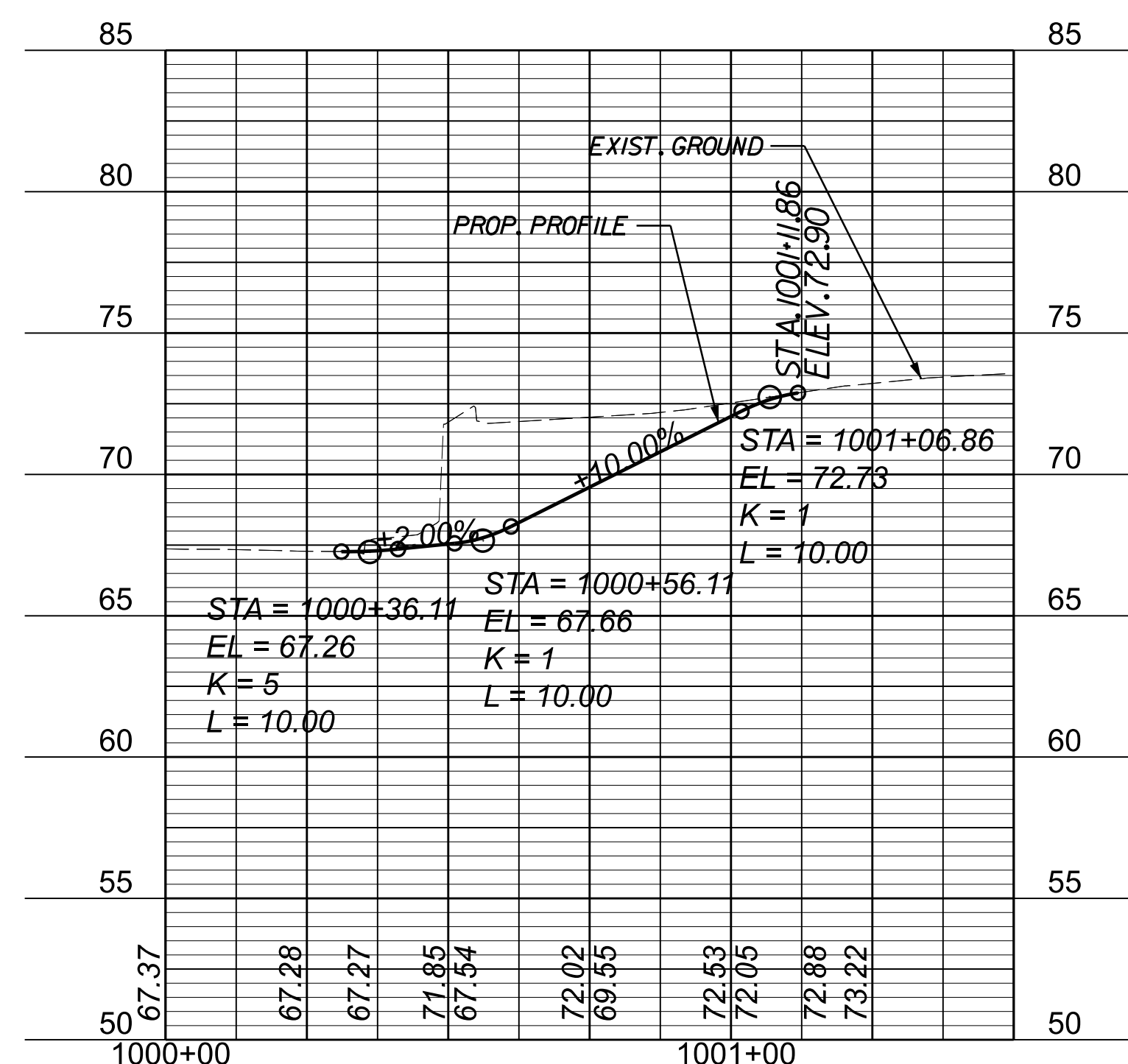
REVISED	STATE	STATE	SHEET NO.
	ROUTE	PROJECT	
	VA.	0639-076-348 R-201C-501	8(3)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT			
Johnson, Mirmiran & Thompson Herndon, Virginia ROADWAY ENGINEER			

ENTRANCE PROFILES

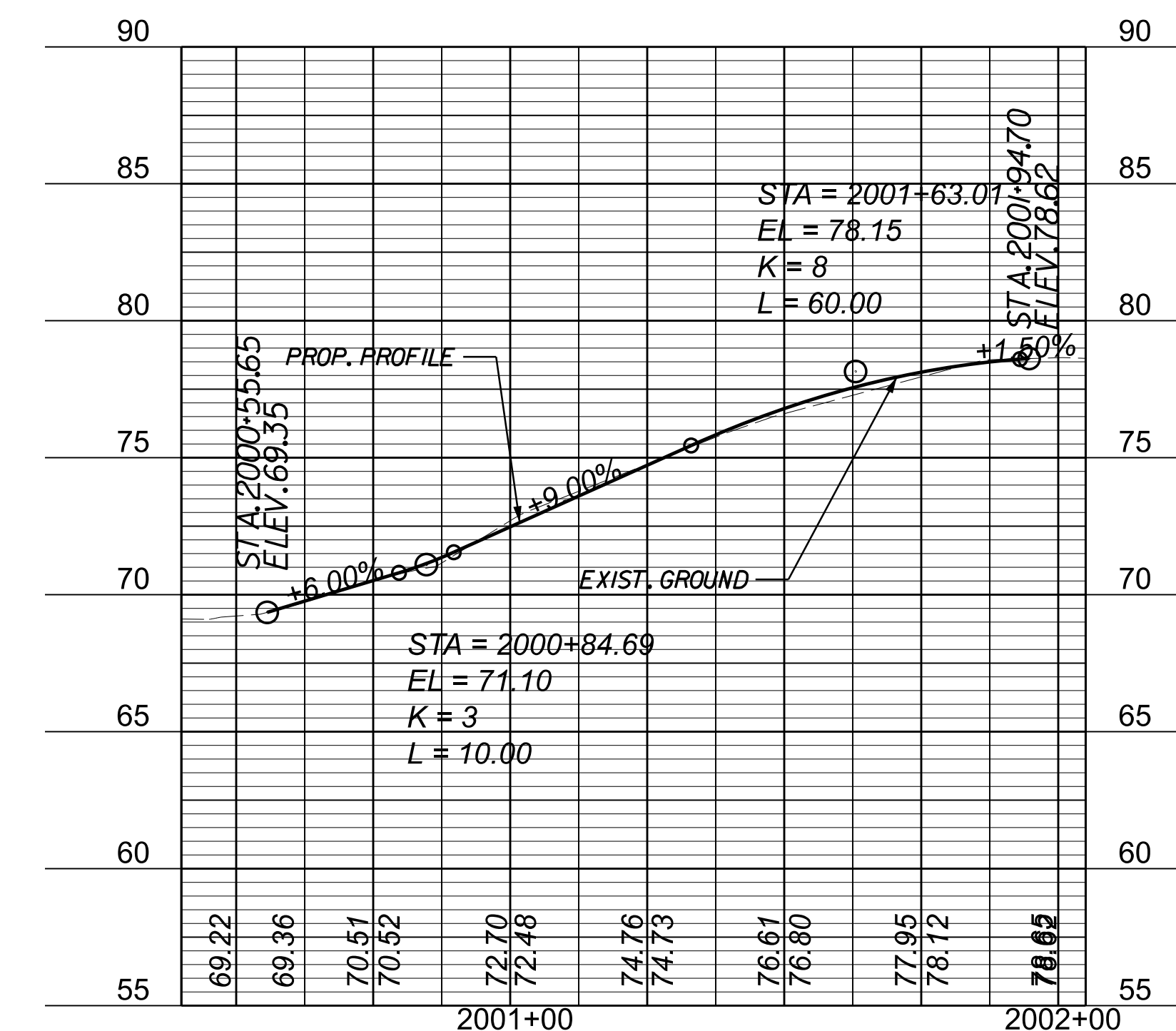
ENTRANCE 9



ENTRANCE 10



ENTRANCE 11



H: 1" = 25' / V: 1" = 5' PROJECT 0639-076-348 SHEET NO. 8(3)

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PROJECT MANAGER MEKDES_TABOR (703-792-8137)-----
SURVEYED BY, DATE JMI, AUGUST 2024-----
DESIGN BY JMJ, (703) 464-7369-----
SUBSURFACE UTILITY BY, DATE JMI, AUGUST 2024-----

SIGNING AND PAVEMENT MARKING INDEX OF SHEETS AND GENERAL NOTES

	REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
		VA.		0639-076-348 P-101,R-201,C-501	9(01)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Johnson, Mirmiran & Thompson Richmond, Virginia TRAFFIC ENGINEER					

GENERAL NOTES

1. ALL SIGNING AND PAVEMENT MARKING WORK SHALL BE IN CONFORMANCE WITH THE FOLLOWING DOCUMENTS:
 - 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), REVISION 1 AND 2
 - 2011 VIRGINIA SUPPLEMENT TO THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (REVISION 1),
 - 2016 VDOT ROAD AND BRIDGE STANDARDS, AS REVISED,
 - 2020 VDOT ROAD AND BRIDGE SPECIFICATIONS, AND
 - ALL SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS, AND SPECIAL PROVISION COPIED NOTES INCLUDED IN THE CONTRACT.

2. NEW MATERIALS AND ITEMS REQUIRED TO COMPLETE THE REMOVAL OR MODIFICATION OF EXISTING ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL IN ACCORDANCE WITH SECTION 510 (2020 ROAD AND BRIDGE STDS.).

3. THE REMOVAL, MODIFICATION, OR RELOCATION OF EXISTING SIGN PANELS, STRUCTURES, AND FOUNDATIONS SHALL CONFORM TO SECTION 510 OF THE SPECIFICATIONS.

4. UNLESS OTHERWISE APPROVED BY THE ENGINEER OR INDICATED IN THE MAINTENANCE OF TRAFFIC AND SEQUENCE OF CONSTRUCTION PLANS, EXISTING TRAFFIC SIGNS WHICH ARE TO BE RELOCATED OR REPLACED SHALL REMAIN IN PLACE UNTIL THE NEW SIGN STRUCTURE AND CRITICAL SIGN MESSAGE ARE IN PLACE.

5. ALL EXISTING AND PROPOSED SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. ALL PROPOSED SIGN LOCATIONS SHALL BE STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.

6. SIGN PANEL DESIGN FOR SIGNS MOUNTED ON SQUARE TUBE POSTS SHALL CONFORM TO ST'D. SPD-5. THE CONTRACTOR SHALL VERIFY THE DESIGN OF ALL SIGN PANEL ASSEMBLY TYPES NOT SHOWN IN THIS ST'D. WITH THE ENGINEER.

7. ALL EXISTING AND PROPOSED PAVEMENT MARKINGS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. ALL PROPOSED STOP BAR, YIELD LINE AND CROSSWALK LOCATIONS SHALL BE IDENTIFIED AND STAKED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

8. ALL PROPOSED PAVEMENT MARKINGS, WHERE TYING INTO EXISTING PAVEMENT MARKINGS, SHALL BE DONE IN A MANNER APPROVED BY THE ENGINEER.

9. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS SHOWN HEREIN SHALL BE ERADICATED IN ACCORDANCE WITH SECTION 512.03(i) OF THE SPECIFICATIONS. ERADICATION SHALL BE CONSIDERED INCIDENTAL TO THE PAVEMENT MARKINGS AND SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT.

10. ALL TRAVEL LANES SHALL BE 12' WIDE AND STRIPED WITH 4" WIDTH LINES UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.

11. LONGITUDINAL PAVEMENT LINE MARKINGS SHALL BE TYPE B, CLASS I. ALL OTHER PAVEMENT MARKINGS SHALL BE TYPE B, CLASS I UNLESS OTHERWISE NOTED.

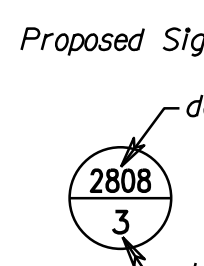
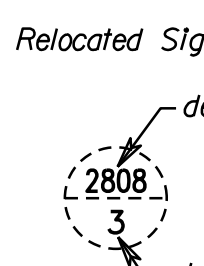
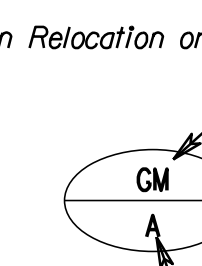
12. INTERSECTION STRIPING SHALL BE COORDINATED WITH THE TRAFFIC SIGNAL INSTALLATION.

13. ALL UTILITY LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL COMPLY WITH THE VIRGINIA "UNDERGROUND UTILITY DAMAGE PREVENTION ACT" AND THE STATE CORPORATION COMMISSION'S "RULES FOR ENFORCEMENT OF THE ACT". IF THE CONTRACTOR IS AWARE OF ANY UTILITIES WITHIN THE PROJECT LIMITS THAT ARE NOT IDENTIFIED BY THE NOTIFICATION CENTER, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNER(S) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL NOTIFY VDOT AT 800-367-7623 A MINIMUM OF 72 HOURS PRIOR TO ANY EXCAVATION TO DETERMINE THE EXTENT AND LOCATION OF VDOT OWNED EQUIPMENT. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN UTILITIES AND THE PROPOSED WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE REVIEWED.

SIGNING AND MARKING PLAN SHEET INDEX

SHEET NO.	DESCRIPTION
9(01)	INDEX OF SHEETS, GENERAL NOTES & LEGEND
9(02)	PROPOSED SIGN SCHEDULE
9(03)-9(05)	SIGNING AND PAVEMENT MARKING PLAN SHEETS

STANDARD SIGN LEGEND

PLAN ITEM	PLAN SYMBOL		SIGN LABELS
	PROPOSED	EXISTING	
Single Post Sign Support	┆	┆	<p>Proposed Sign Assemblies</p>  <p>denotes Sign Assembly No.</p> <p>denotes Text No.</p> <p>Relocated Sign Assemblies</p>  <p>denotes Sign Assembly No.</p> <p>denotes Text No.</p> <p>Sign Relocation or Payable Sign Disposal/Salvage</p>  <p>denotes Existing Sign Structure and/or Sign Panel Type</p> <p>denotes Action and Measurement & Payment Item</p> <p>STRUCTURE & SIGN PANEL</p> <p>SP-GM - Ground Mounted Sign Panel GM - Ground Mounted CM - Overhead Mounted</p> <p>SIGN PANEL</p> <p>SP-GM - Ground Mounted Sign Panel SP-OH - Overhead Mounted Sign Panel</p> <p>STRUCTURE ONLY</p> <p>ST-GM - Ground Mounted</p> <p>A - Remove & Dispose B - Remove & Salvage</p>
Double Post Sign Support	┆┆	┆┆	
Triple Post Sign Support	┆┆┆	┆┆┆	
O/H Cantilever Sign Support	○┆	○┆	
O/H Span Sign Support	○┆┆○	○┆┆○	
O/H Flashers and Gong	* ○*	* ○*	
SIGN CALL-OUTS			
Existing Sign to Remain or to be Relocated			
Existing Sign to be Removed			
Proposed Sign Panel			

	PROJECT 0639-076-348	SHEET NO. 9(01)
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60% PLANS

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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI_AUGUST_2024
DESIGN BY_JMI_(703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI_AUGUST_2024

SIGN SCHEDULE - PROPOSED SIGNS

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	9(02)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Richmond, Virginia
TRAFFIC ENGINEER

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	SIGN ASSEMBLY COMPONENTS			SIGN PANEL AREA (s.f.)		PROP. SIGN STRUCTURE ST'D.	PROP. FOUNDATION	
			MUTCD ST'D.	PANEL SIZE		QTY.	EACH			TOTAL
				W	H					
101	303		R1-2	36"	36"	1	3.9	3.9	STP-1 2" - 14 GA	STP-1 TYPE A
102	304, 305, 307, 506		R4-7	24"	30"	4	5	20	STP-1 2" - 14 GA	STP-1 TYPE A
103	306, 502		R2-1	30"	36"	2	7.5	15	STP-1 2" - 14 GA	STP-1 TYPE A CONTRACTOR SHALL OBTAIN THE SPEED LIMIT TO BE DISPLAYED FROM VDOT.
104	401, 410, 415, 501, 505		R6-1R	54"	18"	5	6.75	33.75	STP-1 2" - 14 GA	STP-1 TYPE A
105	403		R6-1L	54"	18"	1	6.75	6.75	STP-1 2" - 14 GA	STP-1 TYPE A
106	404, 411, 413, 414		R5-1	36"	36"	4	9	36	STP-1 2" - 14 GA	STP-1 TYPE A
107	409		R5-1 R3-2	36"	36"	1 1	9 9	18	STP-1 2 1/2" - 12 GA	STP-1 TYPE A
108	503, 507, 508, 509		R1-1 R1-3P	36"	36"	4 4	6.36 0.75	28.5	STP-1 2" - 14 GA	STP-1 TYPE A
109	504, 510		R4-7 R1-1 R1-3P	24"	30"	2 2 2	5 6.36 0.75	24.2	STP-1 2 1/2" - 12 GA	STP-1 TYPE A

TEXT NO.	SIGN ASSEMBLY NO(s).	TEXT	MUTCD ST'D.	PANEL SIZE		QTY.	per ASSEMBLY	ALL ASSEMBLIES	PROP. SIGN STRUCTURE ST'D.	PROP. FOUNDATION
				W	H					
				110	402, 406					
111	407		R5-1 R6-1R R4-7	36"	36"	1 1 1	9 6.75 2	17.75	STP-1 2 1/2" - 12 GA	STP-1 TYPE A
301	408, 416		W11-2 W16-9P	36"	36"	2 2	9 2	22	STP-1 2 1/2" - 12 GA	STP-1 TYPE A
302	302, 405 412		W11-2 W16-7P	36"	36"	3 3	9 2	33	STP-1 2 1/2" - 12 GA	STP-1 TYPE A
303	301		W11-2 W16-7P	36"	36"	1 1	9 2	11	STP-1 2 1/2" - 12 GA	STP-1 TYPE A

NOTES:

- 1) ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
- 2) SIGN COLOR COMBINATIONS SHALL BE IN ACCORDANCE WITH THE FHWA SHS BOOK AND THE 2011 VIRGINIA SHS BOOK OR AS NOTED IN THE PLANS.
- 3) ALL POSITIVE CONTRAST GUIDE AND SPECIFIC SERVICE SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-3 OR L-4 UNLESS OTHERWISE NOTED IN THE REMARKS. ALL OTHER SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L-1 OR L-2 UNLESS OTHERWISE NOTED IN THE REMARKS.
- 4) ALL BLACK SHEETING SHALL BE NON-REFLECTIVE.
- 5) SIGN STRUCTURES SHALL BE INSTALLED PER THE NOTED SIGN ST'D.
- 6) ALL ST'D. STP-1 STRUCTURES TO BE SINGLE POST UNLESS OTHERWISE NOTED.

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

PROJECT	SHEET NO.
0639-076-348	9(02)

60% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

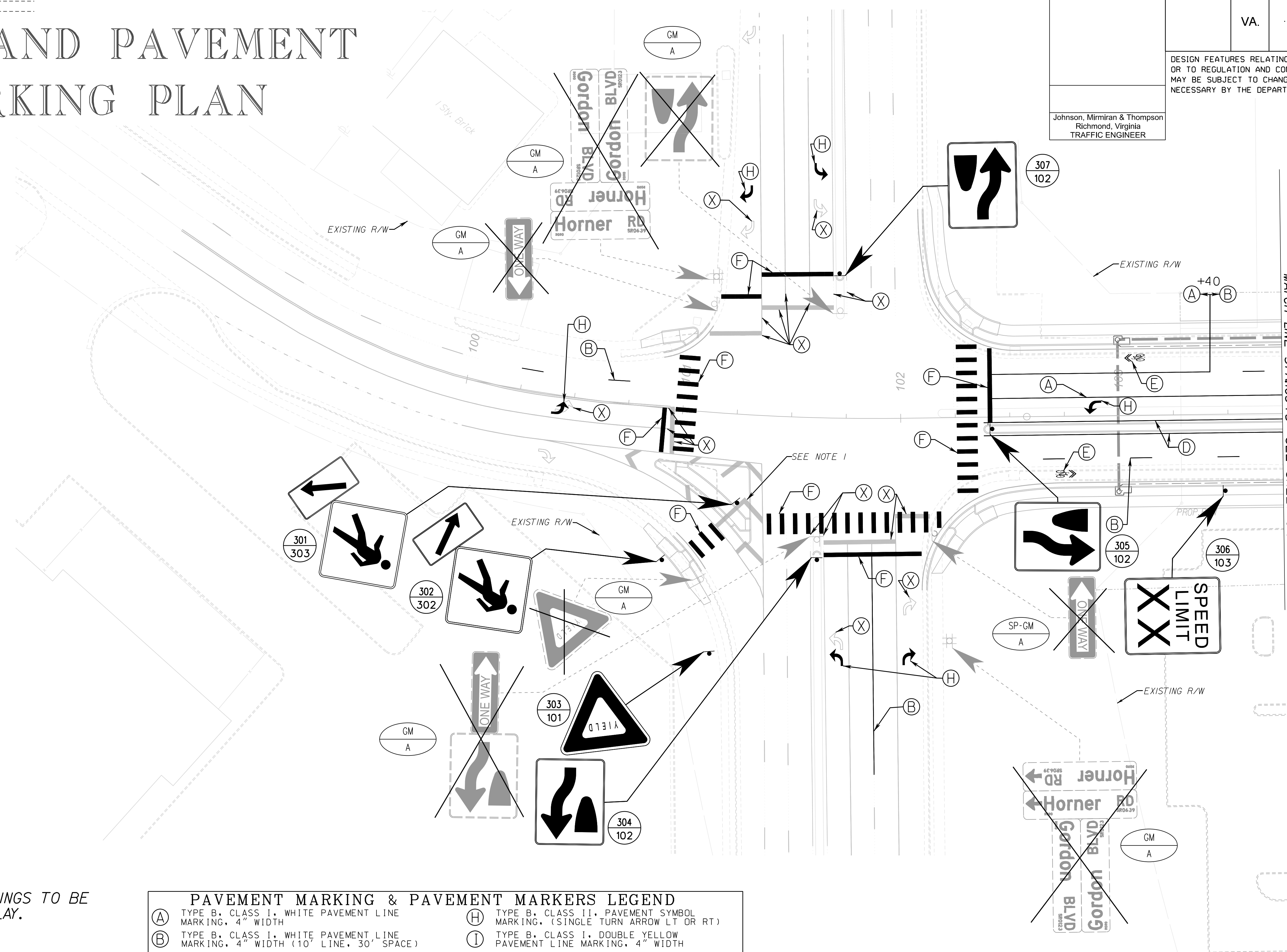
PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST_2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST_2024

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	9(03)

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Richmond, Virginia
TRAFFIC ENGINEER

SIGNING AND PAVEMENT MARKING PLAN



NOTES:

1) EXISTING PAVEMENT MARKINGS TO BE REMOVED BY MILL AND OVERLAY.

PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H)	TYPE B, CLASS II, PAVEMENT SYMBOL MARKING, (SINGLE TURN ARROW LT OR RT)
(B)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I)	TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(C)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH
(D)	TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)
(E)	TYPE B, CLASS II, PAVEMENT SYMBOL "SHARROW"	(L)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH
(F)	TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(M)	TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8' CHARACTER
(G)	TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(X)	ERADICATE PAVEMENT MARKING

REFERENCES	
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
ROADWAY PLAN	3
SIGN SCHEDULE - PROPOSED	9(02)

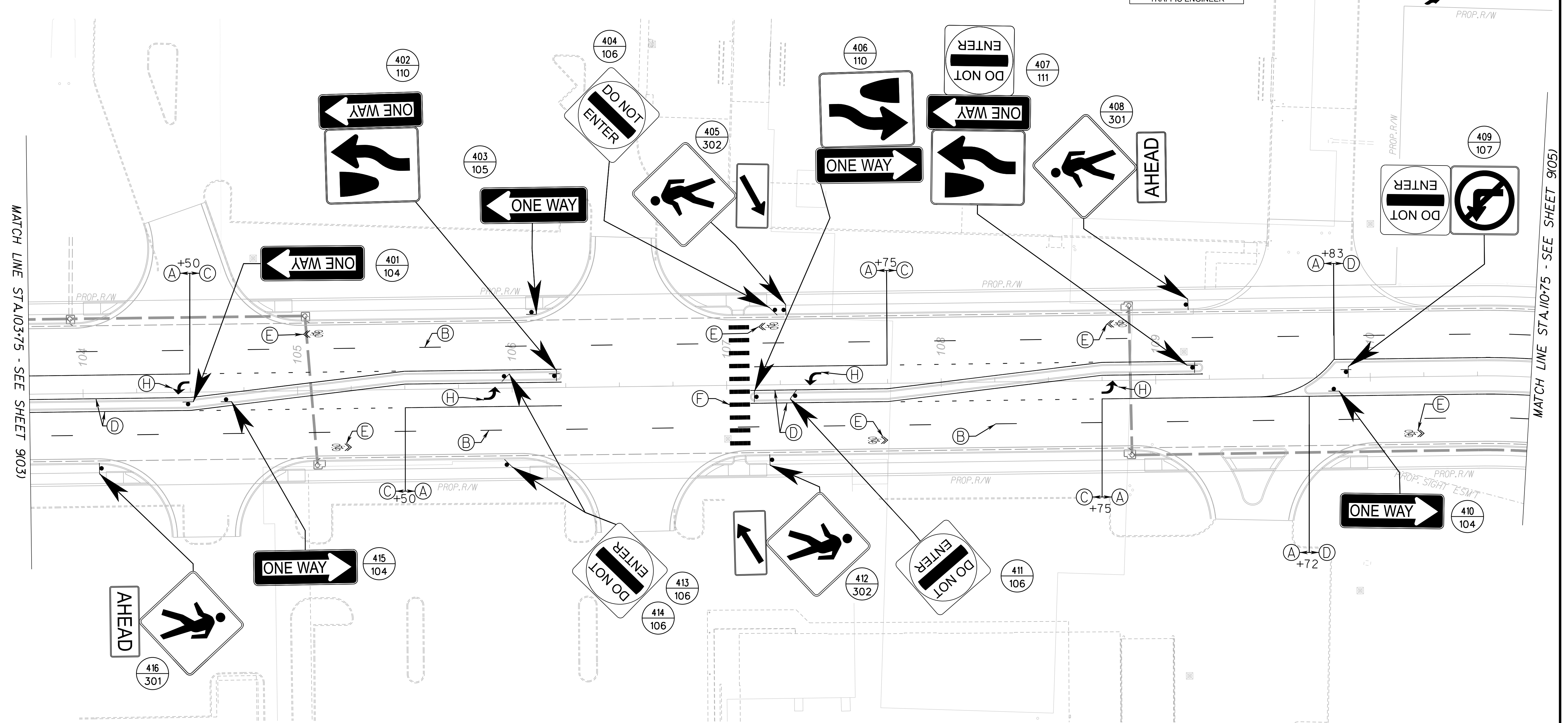
SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 9(03)
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60% PLANS
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 R-201,C-501	9(04)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Richmond, Virginia TRAFFIC ENGINEER				

SIGNING AND PAVEMENT MARKING PLAN



MATCH LINE STA. 103+75 - SEE SHEET 9(03)

MATCH LINE STA. 110+75 - SEE SHEET 9(05)

PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H)	TYPE B, CLASS II, PAVEMENT SYMBOL MARKING, (SINGLE TURN ARROW LT OR RT)
(B)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I)	TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(C)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH
(D)	TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)
(E)	TYPE B, CLASS II, PAVEMENT SYMBOL "SHARROW"	(L)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH
(F)	TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(M)	TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER
(G)	TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(X)	ERADICATE PAVEMENT MARKING

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

ROADWAY PLAN	4
SIGN SCHEDULE - PROPOSED	9(02)

SCALE	PROJECT	SHEET NO.
0 25' 50'	0639-076-348	9(04)

60% PLANS
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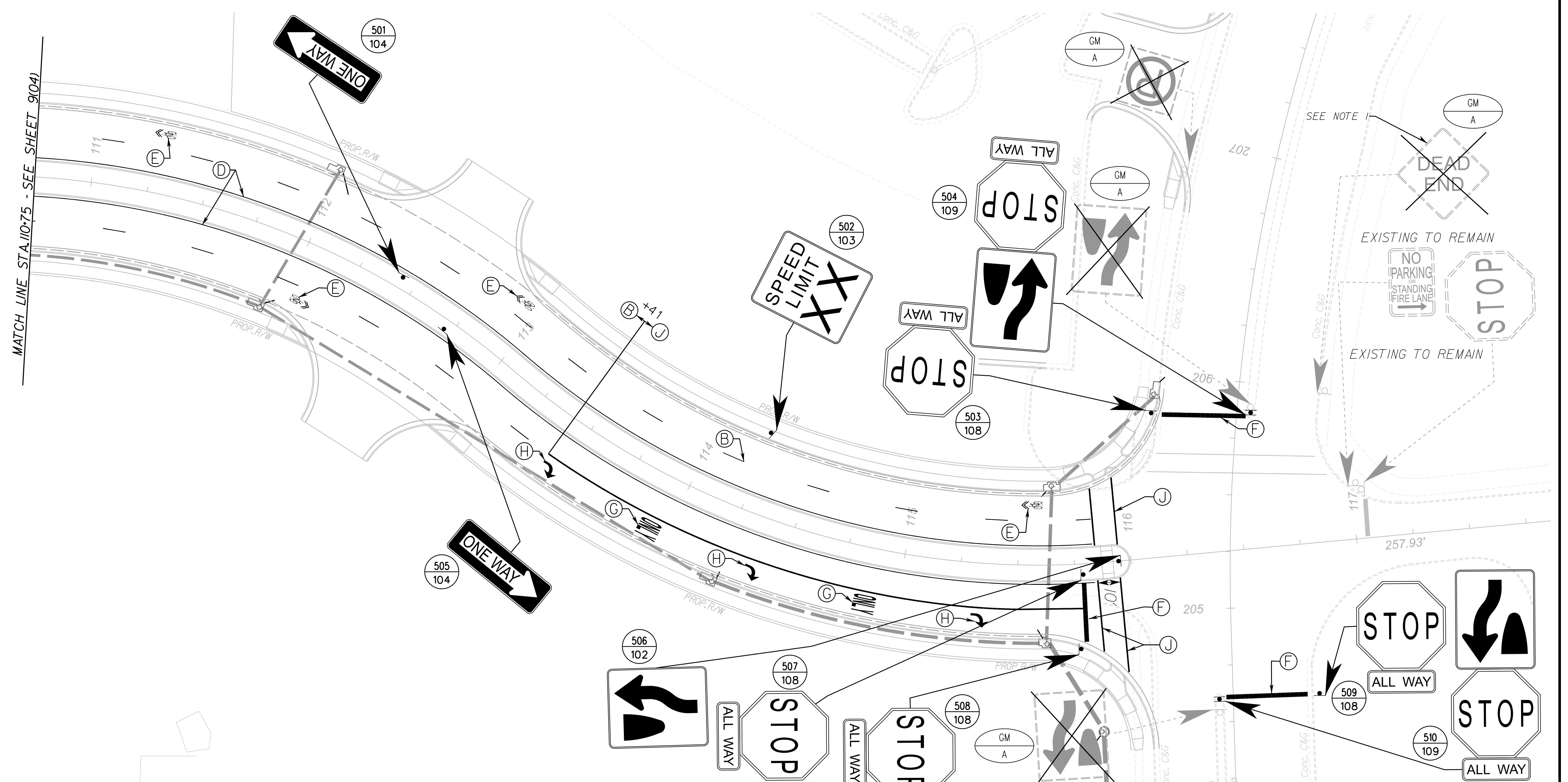
PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST 2024
DESIGN BY_JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST 2024

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	91051

SIGNING AND PAVEMENT MARKING PLAN

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Richmond, Virginia
TRAFFIC ENGINEER



NOTES:
1.) SIGN TO BE REMOVED WITH THE COMPLETION OF THE NORTH WOODBRIDGE PROJECT.

PAVEMENT MARKING & PAVEMENT MARKERS LEGEND			
(A)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH	(H)	TYPE B, CLASS II, PAVEMENT SYMBOL MARKING, (SINGLE ARROW LT OR RT)
(B)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (10' LINE, 30' SPACE)	(I)	TYPE B, CLASS I, DOUBLE YELLOW PAVEMENT LINE MARKING, 4" WIDTH
(C)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING, 4" WIDTH (2' LINE, 6' SPACE)	(J)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH
(D)	TYPE B, CLASS I, YELLOW PAVEMENT LINE MARKING, 4" WIDTH	(K)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 8" WIDTH (3' LINE, 9' SPACE)
(E)	TYPE B, CLASS II, PAVEMENT SYMBOL "SHARROW"	(L)	TYPE B, CLASS I, WHITE PAVEMENT LINE MARKING 6" WIDTH
(F)	TYPE B, CLASS II, WHITE PAVEMENT LINE MARKING, 24" WIDTH	(M)	TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE, 8" CHARACTER
(G)	TYPE B, CLASS II, WHITE, PAVEMENT MESSAGE MARKING, ("ONLY")	(X)	ERADICATE PAVEMENT MARKING

REFERENCES
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

ROADWAY PLAN	5
SIGN SCHEDULE - PROPOSED	91021

SCALE 0 25' 50'	PROJECT 0639-076-348	SHEET NO. 91051
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60% PLANS
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PROJECT MANAGER MEKDES TABOR (703-792-8137)
SURVEYED BY, DATE JMI, AUGUST 2024
DESIGN BY JMJ, (703) 464-7369
SUBSURFACE UTILITY BY, DATE JMI, AUGUST 2024

Table with columns: REVISED, STATE, ROUTE, PROJECT, SHEET NO. Values: VA., 0639-076-348, P-101,R-201,C-501, 10(01)

SIGNAL INDEX OF SHEETS AND GENERAL NOTES

GENERAL NOTES

- 1. THE FOLLOWING ITEMS SHALL BE IN ACCORDANCE WITH STANDARDS LISTED BELOW:
- SIGNAL POLE FOUNDATION PF-8
- CONDUIT INSTALLATION ECI-1 OR BORED
- SIGNAL HEAD HANGERS SM-3
- SIGN HANGER SMD-2
- JUNCTION BOX JB-S1,JB-S2,JB-S3,JB-S4
- CONTROLLER CABINET FOUNDATION CF-5
- ELECTRICAL SERVICE SE-5
2. TRAFFIC SIGNAL FOUNDATION DEPTHS AND ABOVE GROUND FOUNDATION PROJECTION/REVEAL (IF NEEDED) SHALL BE DETERMINED BY THE CONTRACTOR...

- 26. THE TRAFFIC SIGNAL PROJECT MAY UTILIZE VDOT'S NORTHERN REGION RADIO COMMUNICATIONS PLATFORM. THE PROJECT SHALL CONTACT VDOT'S COMM GROUP AT NOVATFOCOMM@VDOT.VIRGINIA.GOV REGARDING THE INSTALLATION REQUIREMENTS AND WIRELESS RADIO COMMUNICATIONS EQUIPMENT DETAILS.
27. THE 3" PVC COMMUNICATION CONDUIT THAT IS INSTALLED AS DETAILED IN VDOT R&B STD 1301.50 SHALL TERMINATE INTO THE COMMUNICATION JB-S4. THE COMMUNICATION JB-S4 SHALL BE INSTALLED WITH CONCRETE COLLAR, WITHIN 10 FEET OF THE CF-5 FOUNDATION AND SHALL BE ON THE SAME SIDE OF THE FOUNDATION AS THE 3" CONDUITS EXIST FROM THE FOUNDATION...

TRAFFIC SIGNAL PLAN SHEET INDEX

Table with columns: SHEET NO., DESCRIPTION. Values: 10(01) INDEX OF SHEETS, GENERAL NOTES & LEGEND; 10(02A) SIGN FIGURE DETAILS; 10(03) TRAFFIC SIGNAL PLAN - INT. OF MARINA WAY AND GORDON BLVD

STANDARD TRAFFIC SIGNAL LEGEND

Table with columns: PLAN ITEM, PLAN SYMBOL, PROPOSED, EXISTING. Items include Metal Signal Pole & Foundation, Signal Pole and Foundation, Pedestrian Signal Head, Traffic Signal Sign, Emergency Vehicle Pre-emption Sensor, etc.

Table with columns: PLAN ITEM, PLAN SYMBOL, PROPOSED, EXISTING. Items include Electrical Service Meter, Electrical Service Safety Switch, Electrical Service Meter & Foundation, Controller Cabinet & Foundation, etc.

LABELS

Table with columns: Item, Proposed Symbol, Existing Symbol. Items include Signal Pole or Controller, Cable and Conduit, Junction Box, Proposed Signal Head, Existing Signal Head, Proposed Pedestrian Signal Head, Existing Pedestrian Signal Head, Signal Phasing, Pedestrian Phasing, Sign, Video Detection Camera, Emergency Preemption Detector.

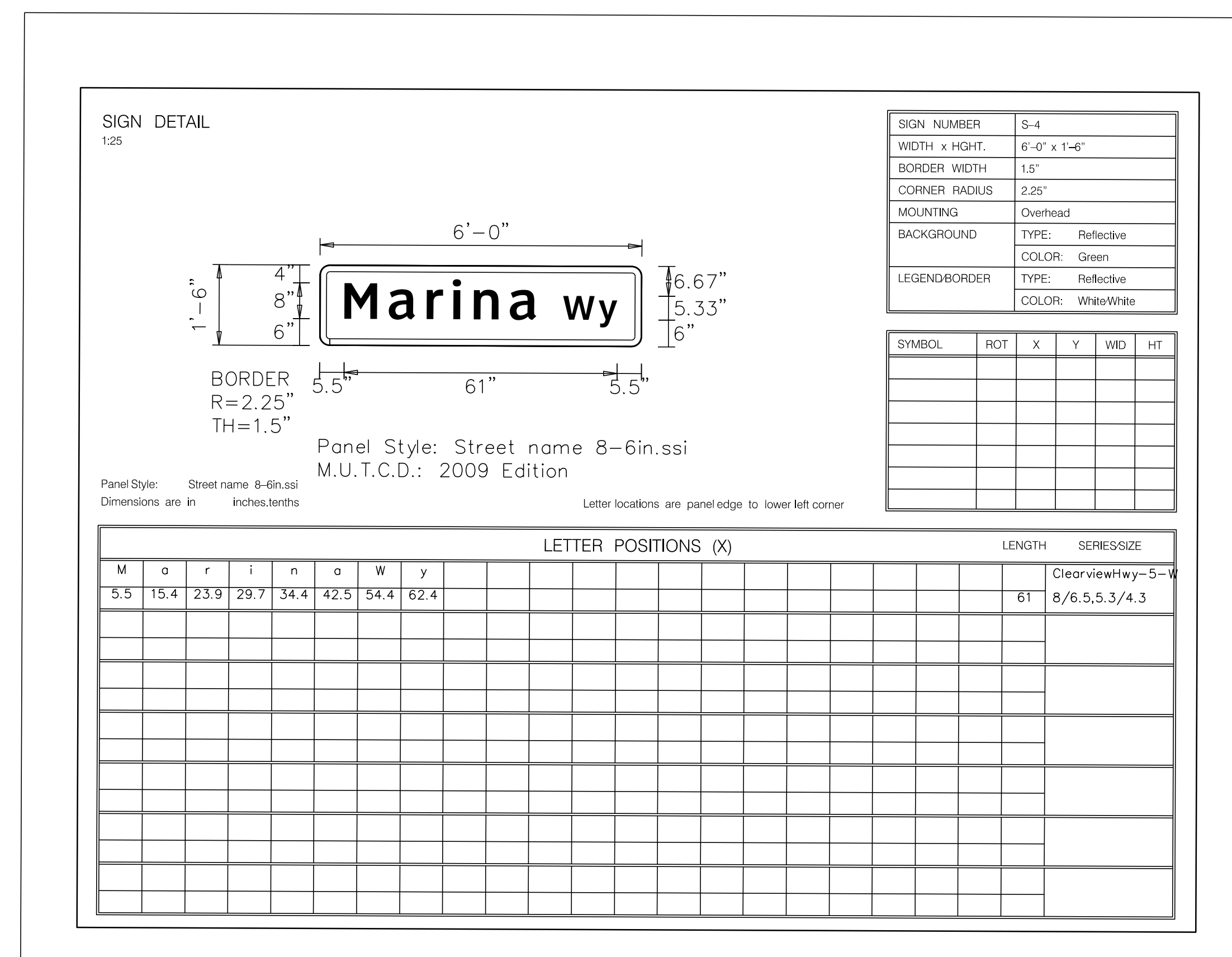
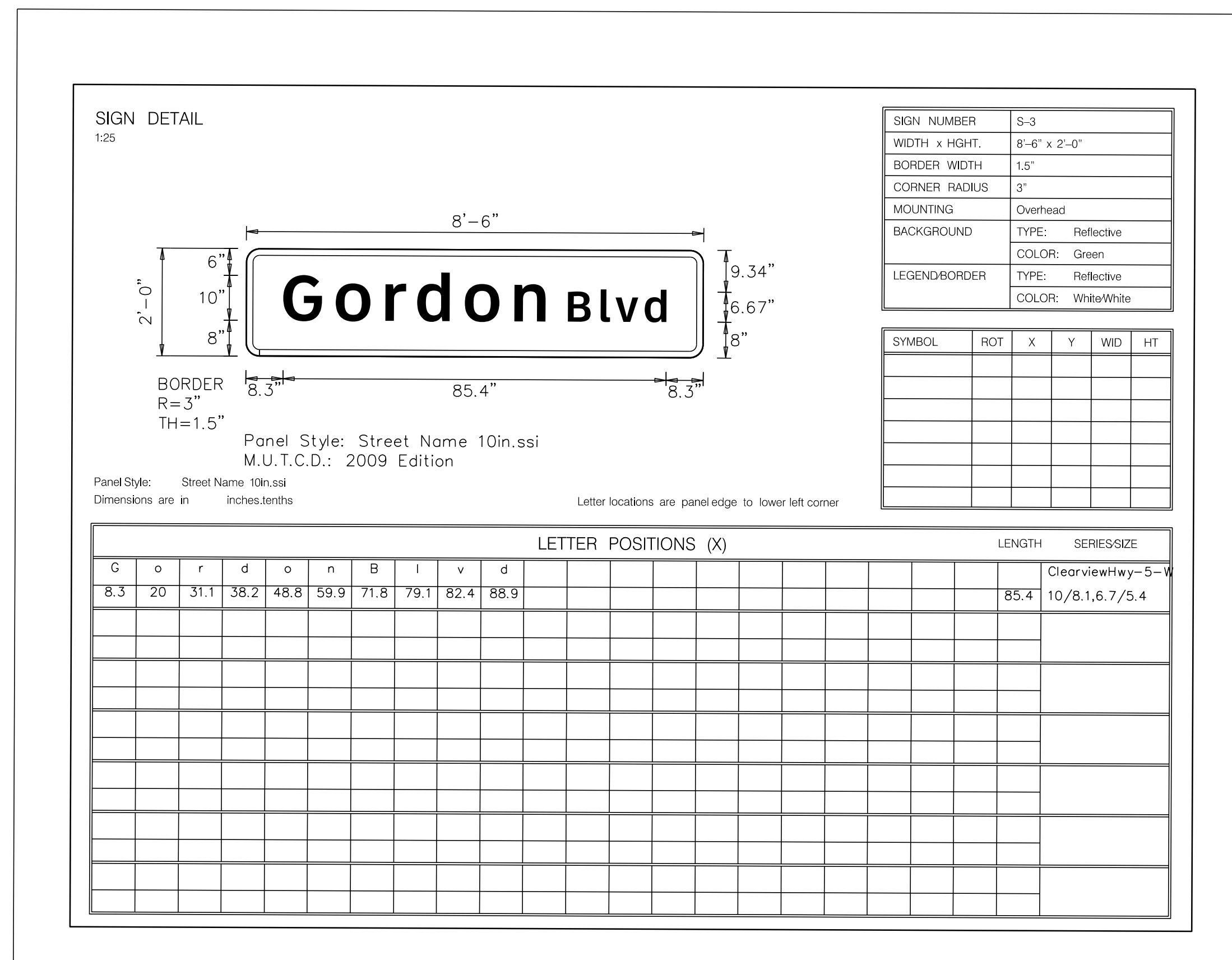
Table with columns: PROJECT, SHEET NO. Values: 0639-076-348, 10(01)

60% PLANS

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PROJECT MANAGER_MEKDES_TABOR_(703-792-8137)
SURVEYED BY, DATE_JMI, AUGUST_2024
DESIGN BY_JMI_(703) 464-7369
SUBSURFACE UTILITY BY, DATE_JMI, AUGUST_2024

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	0639-076-348 P-101, R-201, C-501		10(02A)
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Johnson, Mirmiran & Thompson Richmond, Virginia TRAFFIC ENGINEER				



PROJECT MANAGER MEKDES, TABOR (703-792-8137)
SURVEYED BY, DATE JMI, AUGUST 2024
DESIGN BY JMI, (703) 464-7369
SUBSURFACE UTILITY BY, DATE JMI, AUGUST 2024

TRAFFIC SIGNAL PLAN MARINA WAY AND GORDON BLVD

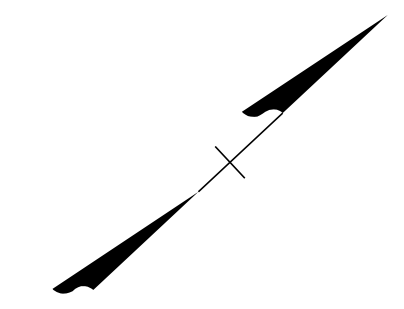
REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.		0639-076-348 P-101,R-201,C-501	101031

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

Johnson, Mirmiran & Thompson
Richmond, Virginia
TRAFFIC ENGINEER

SPEED LIMITS

GORDON BLVD	40 MPH
MARINA WAY	30 MPH
HORNER ROAD	30 MPH



APS AUDIBLE INDICATION TABLE

PUSHBUTTON (QUAD.)	SPEECH PB INFORMATION MESSAGE	AUDIBLE WALK INDICATION
P2 (NE,SE)	WAIT TO CROSS MARINA WAY, WAIT	PERCUSSIVE TONE
P4 (SE,SW)	WAIT TO CROSS GORDON BOULEVARD, WAIT	PERCUSSIVE TONE
P6 (NW,SW)	WAIT TO CROSS HORNER ROAD, WAIT	PERCUSSIVE TONE

NOTE: ALL OTHER TONES AND BEACONING ASSOCIATED WITH APS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS

JUNCTION BOX LEGEND

All Junction Boxes shall conform to S'd.JB-S2 unless otherwise noted on the plans.
 (S1) Denotes S'd.JB-S1
 (S3) Denotes S'd.JB-S3
 (S4) Denotes S'd.JB-S4

CABLE AND CONDUIT LEGEND

Cable and conduit legend to be included in later submittal.

ACRONYM/ABBREVIATION DEFINITION:
 (S) - Shielded Cable
 (M) - Metal Conduit
 EGC - Equipment Grounding Conductor
 EPDC - Emergency Preemption Detector Cable

Proposed Signs

S-1

R10-3E(R)
9'x15'

QUANTITY - 4 EA.

S-2

R10-3E(L)
9'x15'

QUANTITY - 2 EA.

S-3

D3-VI
102'x24'

QUANTITY - 2 EA.

S-4

D3-VI
72'x18'

QUANTITY - 2 EA.

S-5

R3-5L
(30' x 36')

QUANTITY - 2 EA.

PROPOSED SIGNALS

1,3,5,7

2,4,6,8

2A,6A

P2,P4,P6

SP-9

ALL TRAFFIC SIGNAL HEAD SECTIONS SHALL BE LED PER VDOT SPECIFICATIONS AND SHALL BE EQUIPPED WITH RETROREFLECTIVE BACKPLATES.

Initial Timing Chart

Initial timing chart to be included in later submittal.

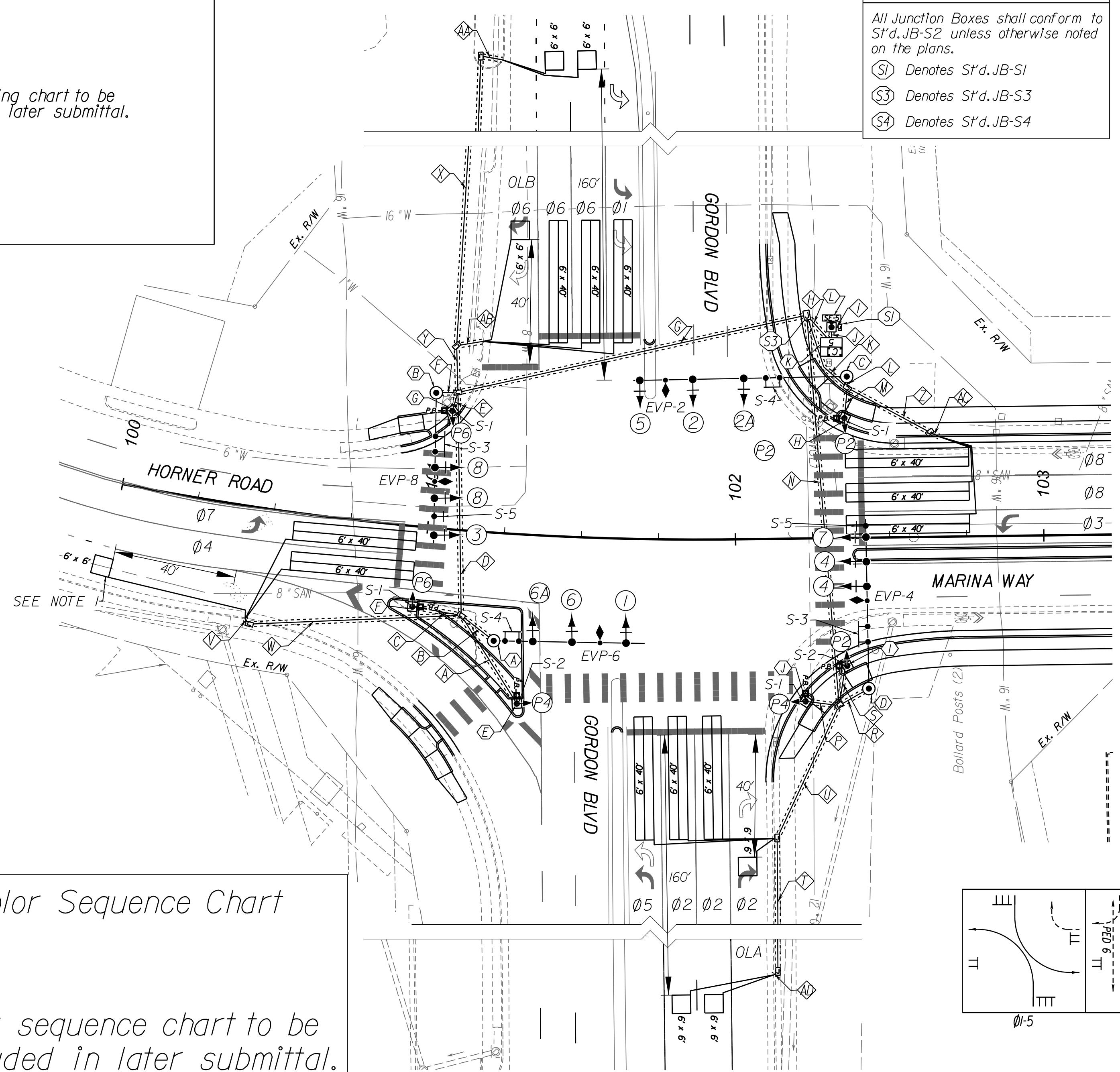
Signal Pole & Controller Legend

(ALL DIMENSIONS ARE TO CENTER OF POLE)

- (A) SIGNAL MAST ARM POLE, TYPE A (MP-3)
35.0 RT. of Marina Way Constr. @ Sta.101+23.78
49' ARM, 0° Angle to Marina Way Constr. @
Signal Placement: 12.7', 25.4', 43.0'
Sign Placement: 6.3'
Emergency Preemption Detector: 34.5'
- (B) SIGNAL MAST ARM POLE, TYPE A (MP-3)
43.8 LT. of Marina Way Constr. @ Sta.100+98.8
49' ARM, 27.2° Angle to Marina Way Constr. @
Signal Placement: 24.3', 34.3', 46.3'
Sign Placement: 16.5', 40.0'
Emergency Preemption Detector: 28.8'
- (C) SIGNAL MAST ARM POLE, TYPE BI (MP-3)
52.4 LT. of Marina Way Constr. @ Sta.102+36.7
70' ARM, 180° Angle to Marina Way Constr. @
Signal Placement: 33.4', 50.0', 67.2'
Sign Placement: 24.3'
Emergency Preemption Detector: 58.7'
- (D) SIGNAL MAST ARM POLE, TYPE BI (MP-3)
48.8 RT. of Marina Way Constr. @ Sta.102+42.3
55' ARM, 90° Angle to Marina Way Constr. @
Signal Placement: 33.2', 41.2', 49.2'
Sign Placement: 17.5', 52.8'
Emergency Preemption Detector: 28.5'
- (E) PEDESTAL POLE (PF-2), 10'
54.9 RT. of Marina Way Constr. @ Sta.101+29.0
- (F) PEDESTAL POLE (PF-2), 10'
26.1 RT. of Marina Way Constr. @ Sta.100+96.1
- (G) PEDESTAL POLE (PF-2), 10'
38.8 LT. of Marina Way Constr. @ Sta.101+8.1
- (H) PEDESTAL POLE (PF-2), 10'
38.9 LT. of Marina Way Constr. @ Sta.102+35.8
- (I) PEDESTAL POLE (PF-2), 10'
41.5 RT. of Marina Way Constr. @ Sta.102+35.8
- (J) PEDESTAL POLE (PF-2), 10'
52.9 RT. of Marina Way Constr. @ Sta.102+22.1
- (K) CONTROLLER CABINET & FOUNDATION (CF-5)
63.2 LT. of Marina Way Constr. @ Sta.102+30.4
Install ATC Cabinet
- (L) ELECTRICAL SERVICE (SE-5)
67.7 LT. of Marina Way Constr. @ Sta.102+32.6

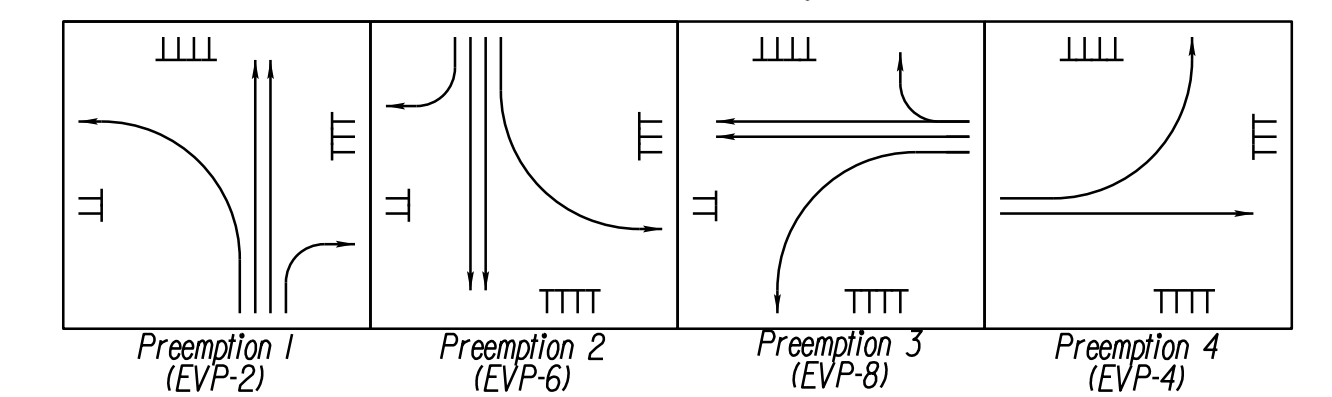
Color Sequence Chart

Color sequence chart to be included in later submittal.

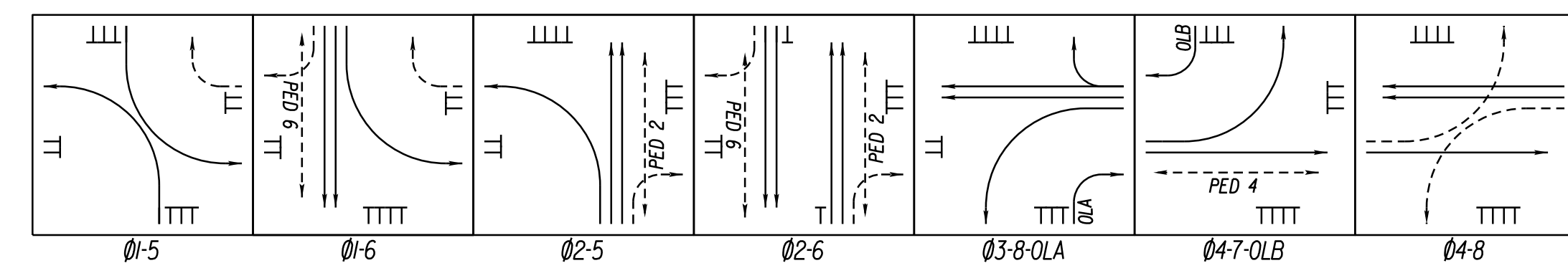


NOTES:
1) LOOP DETECTOR TO BE USED FOR TRAFFIC COUNTS.

Preemption Diagram



Phasing Diagram



REFERENCES	
(PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
ROADWAY PLAN	3
SIGN SCHEDULE - PROPOSED	91021
SPM PLAN SHEET	91031
SIGN DETAIL SHEET	10102A1

SCALE	PROJECT	SHEET NO.
0 25' 50'	0639-076-348	101031

60% PLANS
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