

# VDOT GENERAL NOTES

## GRADING

G-1 THE GRADE LINE DENOTES TOP OF FINISHED PAVEMENT UNLESS SHOWN OTHERWISE ON TYPICAL SECTIONS OR PLANS.

G-3 EARTHWORK QUANTITIES ON THIS PROJECT ARE BASED ON ANTICIPATED SETTLEMENT AND MAY REQUIRE ADJUSTING DURING CONSTRUCTION. PAYMENT WILL BE MADE ONLY FOR QUANTITIES ACTUALLY MOVED.

G-4 THE COST OF REMOVAL OF ALL EXISTING CONCRETE ITEMS LOCATED IN THE AREA TO BE GRADED, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING, SHALL BE INCLUDED IN THE PRICE BID FOR REGULAR EXCAVATION: FOUNDATIONS, HEADWALLS, PIPES, DRAINAGE STRUCTURES, PAVED DITCHES.

G-6 THE BORROW MATERIAL FOR THIS PROJECT SHALL BE A MINIMUM CBR 15 OR AS APPROVED BY THE MATERIALS ENGINEER.

## DRAINAGE

D-1 THE HORIZONTAL LOCATION OF ALL DRAINAGE STRUCTURES SHOWN ON THESE PLANS IS APPROXIMATE ONLY, WITH THE EXCEPTION OF STRUCTURES SHOWING SPECIFIC STATIONS, SPECIAL DESIGN BRIDGES, AND STORM SEWER SYSTEMS.

D-2 THE HORIZONTAL LOCATION AND INVERT ELEVATIONS SHOWN FOR PROPOSED CULVERTS AND STORM SEWER OUTFALL PIPES ARE BASED ON EXISTING SURVEY DATA AND REQUIRED DESIGN CRITERIA. IF, DURING CONSTRUCTION, IT IS FOUND THAT THE HORIZONTAL LOCATION OR INVERT ELEVATIONS SHOWN ON THE PLANS DIFFER SIGNIFICANTLY FROM THE HORIZONTAL LOCATION OR ELEVATIONS OF THE STREAM OR SWALE IN WHICH THE CULVERT OR STORM SEWER OUTFALL PIPE IS TO BE PLACED, THE ENGINEER SHALL CONFER WITH, AND GET APPROVAL FROM, THE APPLICABLE DISTRICT DRAINAGE ENGINEER BEFORE INSTALLING THE CULVERT OR STORM SEWER OUTFALL PIPE.

D-3 THE "H" DIMENSIONS SHOWN ON THE PLANS FOR DROP INLETS AND JUNCTION BOXES AND THE "L.F." DIMENSIONS SHOWN FOR MANHOLES ARE FOR ESTIMATING PURPOSES AND ARE BASED ON THE PROPOSED INVERT ELEVATIONS SHOWN FOR THE STRUCTURE AND THE ANTICIPATED TOP (RIM) ELEVATION BASED ON EXISTING OR PROPOSED FINISH GRADE. THE ACTUAL "H" OR "L.F." DIMENSIONS ARE TO BE DETERMINED BY THE CONTRACTOR FROM FIELD CONDITIONS.

D-7 ALL PIPE ON THIS PROJECT SHALL BE CONCRETE. FOR STRENGTH, SHEET THICKNESS, OR CLASS DESIGNATION, AVAILABLE SIZES, HEIGHT OF COVER LIMITATIONS AND OTHER RESTRICTIONS FOR A PARTICULAR PIPE TYPE OR HEIGHT OF COVER, SEE THE APPLICABLE SECTIONS OF THE VDOT ROAD AND BRIDGE STANDARDS PC-1.

D-13 EXISTING DRAINAGE FACILITIES BEING UTILIZED AS A PART OF THE DRAINAGE SYSTEM, AND DESIGNATED ON THE PLANS "TO BE CLEANED OUT", SHALL BE CLEANED AS DIRECTED BY THE ENGINEER. THE COST INCIDENTAL TO THIS SHALL BE INCLUDED IN THE CONTRACT PRICE FOR OTHER ITEMS.

D-14 PROPOSED DROP INLETS WITH A HEIGHT (H) LESS THAN THE STANDARD MINIMUM SHOWN IN THE VDOT ROAD AND BRIDGE STANDARDS SHALL BE CONSIDERED AND PAID FOR AS STANDARD DROP INLETS FOR THE TYPE SPECIFIED. PIPES WITH LESS THAN STANDARD MINIMUM FINISHED HEIGHT OF COVER SHALL BE NOTED AS SUCH IN THE DRAINAGE DESCRIPTION FOR THE PIPE. SPECIFIC PIPE BEDDING AND COVER REQUIREMENTS ARE PROVIDED IN THE APPLICABLE PB-1 AND PC-1 STANDARD DRAWINGS OF THE VDOT ROAD AND BRIDGE STANDARDS.

D-16 WHEN STANDARD CG-6 OR CG-7 IS SPECIFIED ON A RADIUS (SUCH AS AT A STREET INTERSECTION), THE ENGINEER MAY APPROVE A DECREASE IN THE CROSS SLOPE OF THE GUTTER TO FACILITATE PROPER DRAINAGE.

## PAVEMENT

P-2 THE PAVEMENT MATERIALS ON THIS PROJECT WILL BE PAID FOR ON A TONNAGE BASIS. THE WEIGHT WILL VARY IN ACCORDANCE WITH THE SPECIFIC GRAVITY OF THE AGGREGATES AND THE ASPHALTIC CONTENT OF THE MIX ACTUALLY USED TO SECURE THE DESIGN DEPTH. THE WEIGHT OF THE ASPHALT CONCRETE IS BASED ON 95% OF THEORETICAL MAXIMUM DENSITY. (SEE IIM-LD-158)

## INCIDENTAL

I-8A CLEARING AND GRUBBING SHALL BE CONFINED TO THOSE AREAS NEEDED FOR CONSTRUCTION. NO TREES OR SHRUBS IN UNGRADED AREAS SHALL BE CUT WITHOUT THE PERMISSION OF THE ENGINEER.

I-9 WHEN NO CENTERLINE ALIGNMENT IS SHOWN FOR A PROPOSED ENTRANCE, THE ENTRANCE SHALL BE CONSTRUCTED IN THE SAME LOCATION AS THE EXISTING ENTRANCE.

I-18 ALL PAVEMENT MARKINGS AND TRAFFIC FLOW ARROWS SHOWN ON THE ROADWAY CONSTRUCTION PLANS ARE SCHEMATIC ONLY. THE ACTUAL LOCATION AND APPLICATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH SECTION 704 OF THE APPLICABLE VDOT ROAD AND BRIDGE SPECIFICATIONS, MUTCD, SEQUENCE OF CONSTRUCTION/TRAFFIC CONTROL PLANS, PAVEMENT MARKING PLAN SHEETS 3B THRU 6B AND AS DIRECTED BY THE ENGINEER.

## EROSION AND SEDIMENT CONTROL (ESC)

E-2 ROCK FOR CHECK DAMS, INLET PROTECTION, EROSION CONTROL STONE, AND RIPRAP SHALL BE IN ACCORDANCE WITH SECTION 203 AND SECTION 414 OF THE APPLICABLE VDOT ROAD AND BRIDGE SPECIFICATIONS.

## UTILITIES

1. THE CONTRACTOR WILL CONTACT "MISS UTILITY OF VIRGINIA" (811) PRIOR TO BEGINNING WORK IN ORDER TO DETERMINE THE EXTENT AND LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS. UTILITY COMPANIES WILL BE NOTIFIED THROUGH "MISS UTILITY OF VIRGINIA" 72 HOURS PRIOR TO ANY EXCAVATION WITHIN THE PROXIMITY OF THEIR UTILITIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING OR REPLACING AT HIS OWN EXPENSE ANY EXISTING UTILITIES, PAVEMENT, CONCRETE ITEMS, PIPES, ETC THAT ARE DAMAGED DURING CONSTRUCTION.
2. THE LOCATION AND EXTENT OF EXISTING UTILITY FACILITIES ARE SHOWN BASED UPON INFORMATION AVAILABLE AT THE TIME OF DESIGN.
3. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, ELEVATION, ORIENTATION, DIMENSIONS, MATERIALS, JOINT LOCATIONS, ETC. OF EXISTING PIPELINES AT CONNECTION POINTS PRIOR TO ORDERING MATERIALS.
4. ELEVATIONS OF EXISTING UTILITIES THAT CROSS THE PROPOSED PIPELINE(S) SHALL BE VERIFIED BY TEST PITS SUFFICIENTLY IN ADVANCE OF PIPELINE INSTALLATION TO PROVIDE ADJUSTMENT TO AVOID CONFLICTS WITHOUT PROJECT DELAY, HORIZONTAL DEPICTIONS OF WATER SERVICES AND SANITARY SEWER LATERAL LOCATIONS ARE APPROXIMATE; THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICES. THE ENGINEER AND PU INSPECTOR SHALL BE NOTIFIED IMMEDIATELY IF DISCREPANCIES EXIST.

NOTE: MAINTENANCE OF EXISTING SIDEWALK CONSISTED OF REMOVING AND REPLACING EXISTING SIDEWALK PANELS WITH 4" HYDRAULIC CEMENT CONCRETE. WORK ALSO CONSISTS OF REGRADING EXIST. VERGE BETWEEN SIDEWALK AND CURB, FLUSH BETWEEN CONCRETE FEATURES. ALL DISTURBED AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING.

# SURVEY NOTES & LEGEND

LEGEND (AS APPLICABLE)			UTILITY LEGEND (AS APPLICABLE)		
SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION
	Tr. Trw.	Traverse Point		W	Water Line
	Mon.	Control Monument		W Duct	Water Line Duct
	BM	Benchmark		WV	Water Valve
	FLY	Traverse Fly Point		WM	Water Meter
	REF	Control Reference Point		WMH	Water Manhole
	AT, PIC	Aerial Target, Picture Point		FH	Fire Hydrant
	SBL	Survey Baseline		CTV	Underground Television Cable
		Bridge		CTV Duct	Underground Television Cable Duct
	EP	Edge of Pavement		CTV FO	Fiber Optic Cable Television
		Edge of Driveway		TMH	Television Hand Hole
	CG6	Curb / Curb and Gutter		TPED	Television Pedestal
		Shoulder of Road		TMH	TV Manhole
		Pavement Striping / Marking		Tele	Underground Telephone Cable
		Public Sidewalks		Tele Duct	Underground Telephone Cable Duct
		Private Walks		Tel FO	Telephone Fiber Optic
		Steps		FO	Underground Fiber Optic
	Bldg.	Building, Roof line, Porch		FO Duct	Underground Fiber Optic Duct
	SAT	Satellite Dish		FOHH	Fiber Optic Handhole
		Well			Fiber Optic Marker
		Fence		TPED	Telephone Pedestal
		Cemetery Boundary with Grave Markers		TMH	Telephone Manhole
		Woods Line		TP	Telephone Pole
		Shrub Line		THH	Telephone Hand Hole
		Brush Line		TCAB	Telephone Cabinet
		Tree, Shrub		TMP	Telephone Marker
		Miscellaneous Landscape Features		TB	Telephone Booth
		Walls		Tr	Underground Traffic Control
		Signs		Tr Duct	Underground Traffic Control Duct
	BP	Bollard Posts, Posts		Tr FO	Traffic Control Fiber Optic
	YLT, GLT	Yard Lights, Ground Lights		TOHH	Traffic Control Hand Hole
	MB	Mail Box		TOMH	Traffic Control Manhole
		Flag		TOSP	Traffic Signal Pole
	GR	Guardrail		E	Underground Power Cable
	JB	Jersey Barrier		E Duct	Underground Power Cable Duct
		Hydrology Features		PP #	Power Pole
		Conc. V-Ditch, Paved Ditches		GW	Guy Wire
	SM, DI	Storm Manhole, Drop Inlet		EPED, EBOK	Electric Pedestal or Box
	RCPC, CMPC, CPP, DP, HDPE	Reinforced Concrete Pipe, Corrugated Metal Pipe, Corrugated Plastic Pipe, Ductile Iron Pipe, High Density Polyethylene		EMH	Electric Manhole
	FES	Flared End Section		LP	Light Pole
		Drain Field		EM	Electric Meter
		Railroad Tracks		EHH	Electric Hand Hole
	RRMP	Railroad Mile Post		TRANS	Electric Transformer
	RRSP, RRP	Railroad Signal Pole, Railroad Utility Pole		EMP	Electric Marker
	RRSW	Railroad Switch		G	Gas Line
	R/W	Right of Way Line		G Duct	Gas Line Duct
	R/W MON	Right of Way Pin, Monument & Center Monument		GMH	Gas Manhole
	PL, P/L	Property Line		GV	Gas Valve
		Connected Property Symbol		GM	Gas Meter
	IRF, IPF, PKF, PMF	Iron Rod Found, Iron Pipe Found PK Nail Found, Property Monument		GT	Gas Test
		State Boundary		GW	Gas Well
		County Boundary		GD	Gas Drip
		City Boundary		GMP	Gas Marker
	L/A	Limited Access Easement		SFM	Sanitary Force Main
	PERM ESMT	Permanent Easement		SMH	Sanitary Manhole
	TEMP ESMT	Temporary Easement		SCO	Sewer Clean Out
	DRAN ESMT	Drainage Easement		SFM	Sanitary Force Main
	UTIL ESMT	Utility Easement		SPRK, CV	Irrigation Sprinkler, Control Valve
	100	INX Index Contour			Spigot
	99	INT Interval Contour			Utility Continues
	x 101.5	Spot Shot		DE, EOI	Utility Dead End, End of Information
	WL	Wetland Boundary		UNK, UNK	Unknown Manhole, Utility Line
	AB200	Wetland Flagging		(DATUR)	Depicted According To Utility Records
	TH, BH, BORE	Test Hole, Bore Hole, Boring		(AATUR)	Abandoned According To Utility Records
				(AATFI)	Abandoned According To Field Inspection

### NOTES:

1. PROPERTY LINES SHOWN HEREON ARE COMPILED FROM DEEDS AND PLATS OF RECORD AND DO NOT REPRESENT A BOUNDARY SURVEY.
2. MEETS AND BOUNDS IN PARENTHESIS REPRESENT CALLS FROM DEEDS AND PLATS OF RECORD.
3. ALL SUBSURFACE UTILITIES WERE LOCATED AS DESIGNATED BY MISS UTILITY. NXL IS NOT RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE SUBSURFACE UTILITY DESIGNATION AS PERFORMED BY MISS UTILITY.

Topographic Survey of  
SMITHFIELD SIDEWALK  
ROUTE 258 AT ROUTE 655  
TOWN OF SMITHFIELD, VIRGINIA  
FOR KIMLEY-HORN

**nd** Engineers, Surveyors  
Construction Managers  
114 east zary street, suite 200  
richmond, virginia 23219  
(804) 644-4600

HORIZONTAL DATUM: State Plane - South Zone - NAD 83 - US Survey Foot

VERTICAL DATUM: NAVD 88

FILE NAME	PROJ SCALE	DATE	JOB NO.	PM/GAD
SMITHFIELD-SRV	1"=25'	JUNE 20, 2014	16023-001	LCB/JHO

REVISION: \_\_\_\_\_ DATE: \_\_\_\_\_

NO.	REVISIONS	DATE

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PHONE: 757-213-8600  
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Kimley-Horn and Associates, Inc.  
Virginia Beach, Virginia  
Roadway Engineer

KHA PROJECT 117032020	DATE 7/31/2023	SCALE AS SHOWN	DESIGNED BY MAM	DRAWN BY MAM	CHECKED BY APF
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## GENERAL NOTES

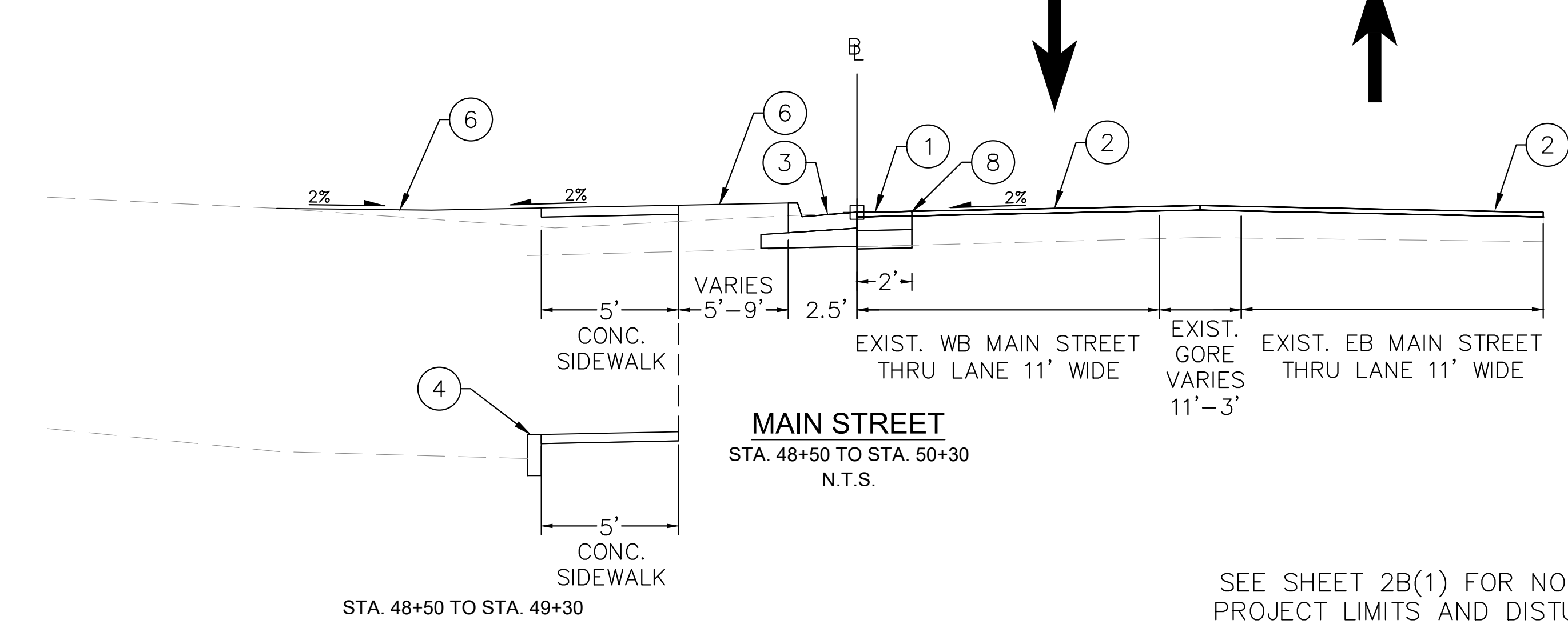
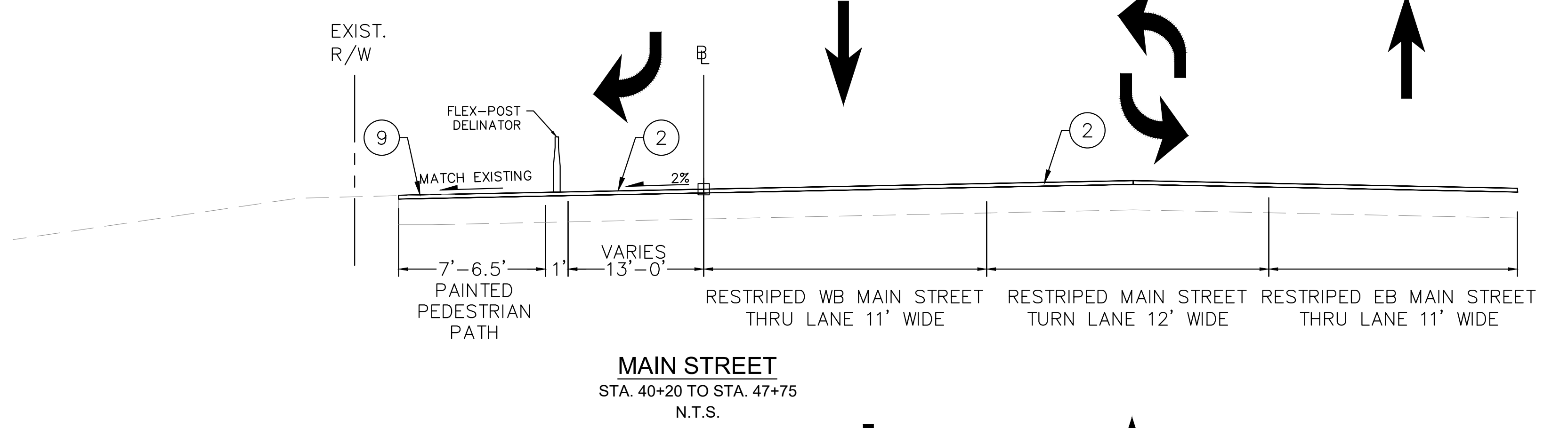
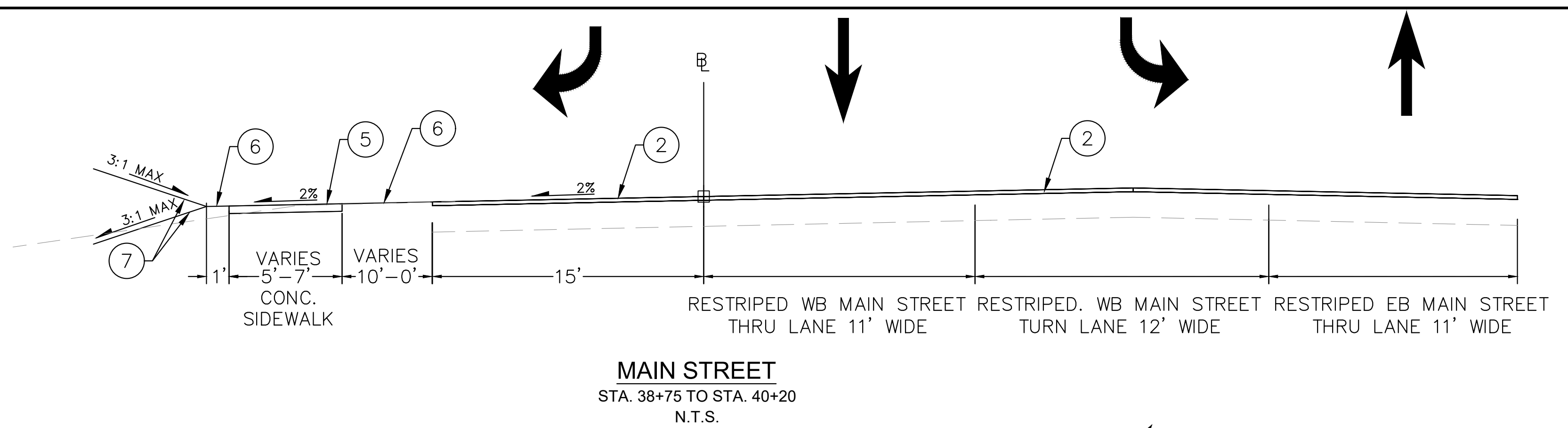
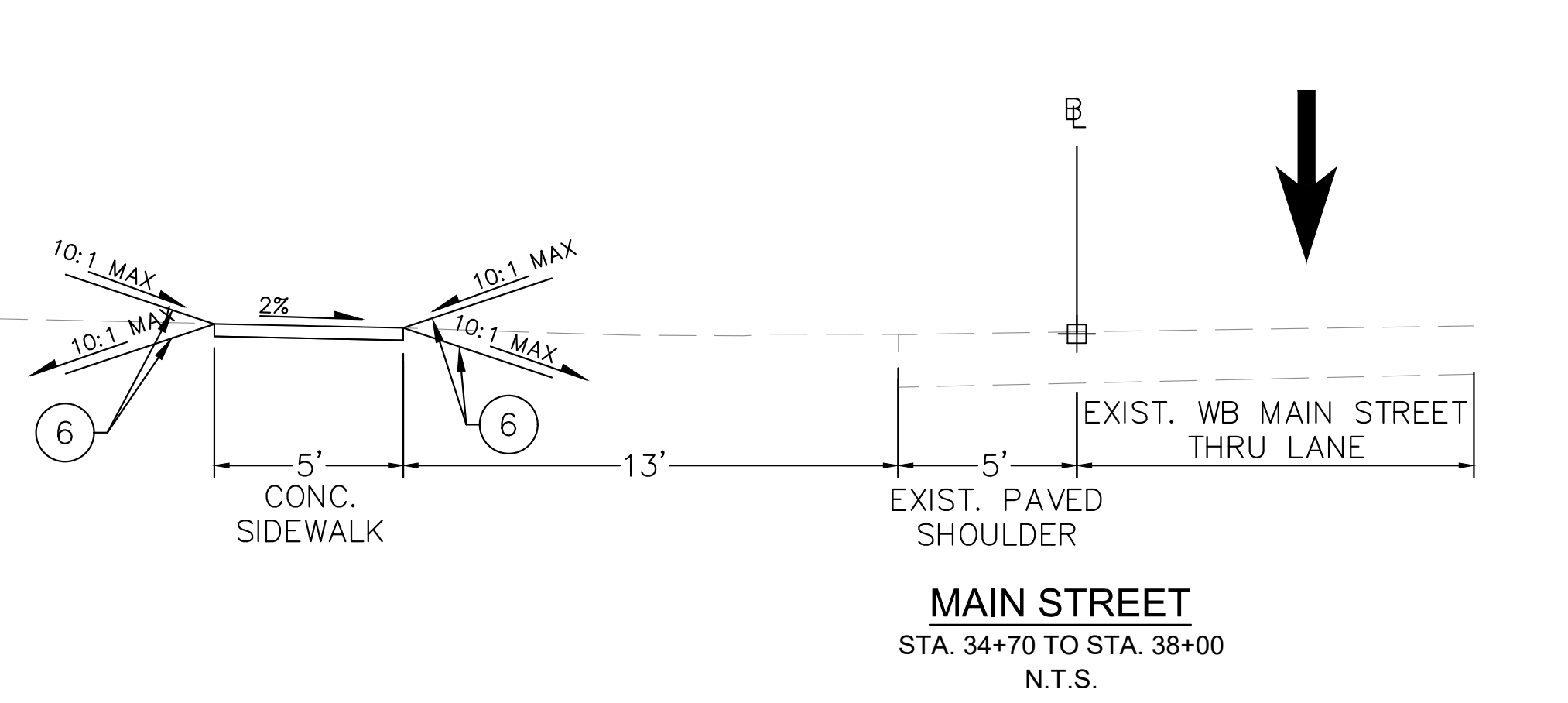
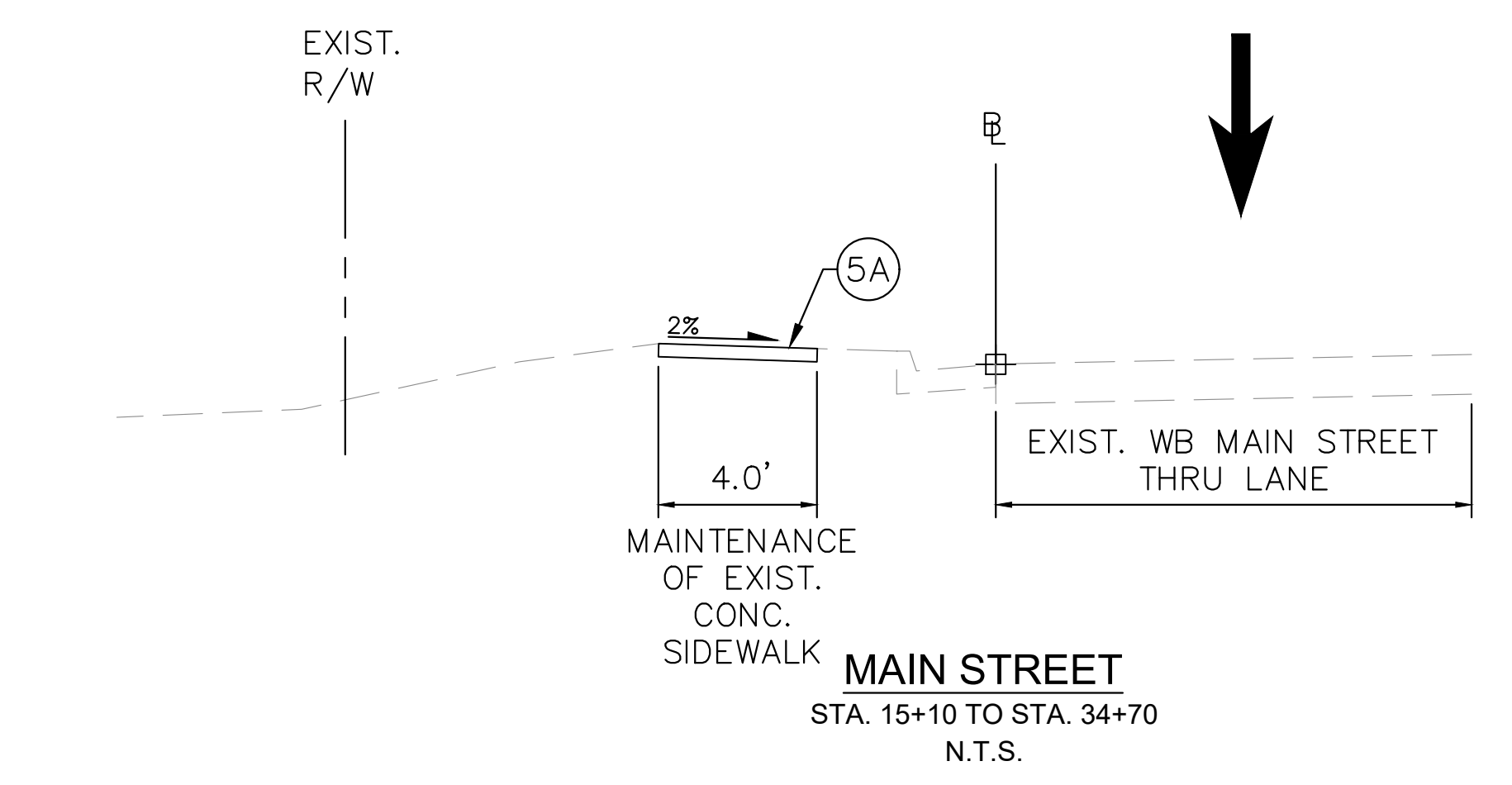
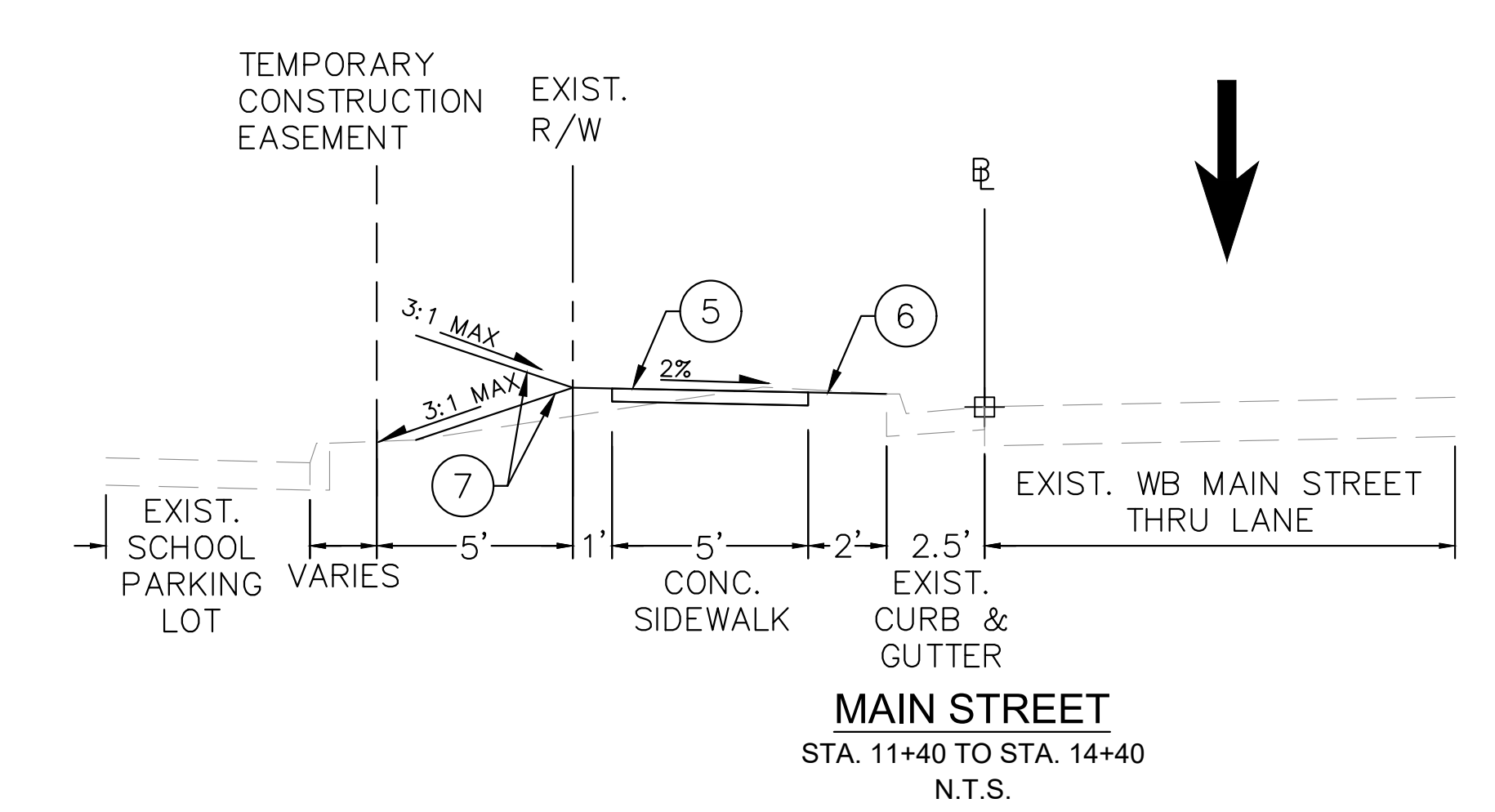
SMITHFIELD SIDEWALK  
IMPROVEMENTS  
PREPARED FOR  
ISLE OF WIGHT COUNTY

VIRGINIA  
SMITHFIELD

SHEET NUMBER  
**2**

Plotted By: Marquis, Caroline. Sheet: Set: SMITHFIELD SIDEWALK Layout: 2 GENERAL NOTES August 02, 2023 01:35:48am K:\VAB\_RDW\117032020 - Smithfield\_Sidewalk\_Design\PlanSheets\2 GENERAL NOTES.dwg This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Macquis, Caroline. Sheet: SMITHFIELD SIDEWALK - August 02, 2023 01:35:56pm. K:\VAB\_RDWA\117032020 - Smithfield Sidewalk\PlanSheets\2A\_TYPICAL SECTIONS.dwg  
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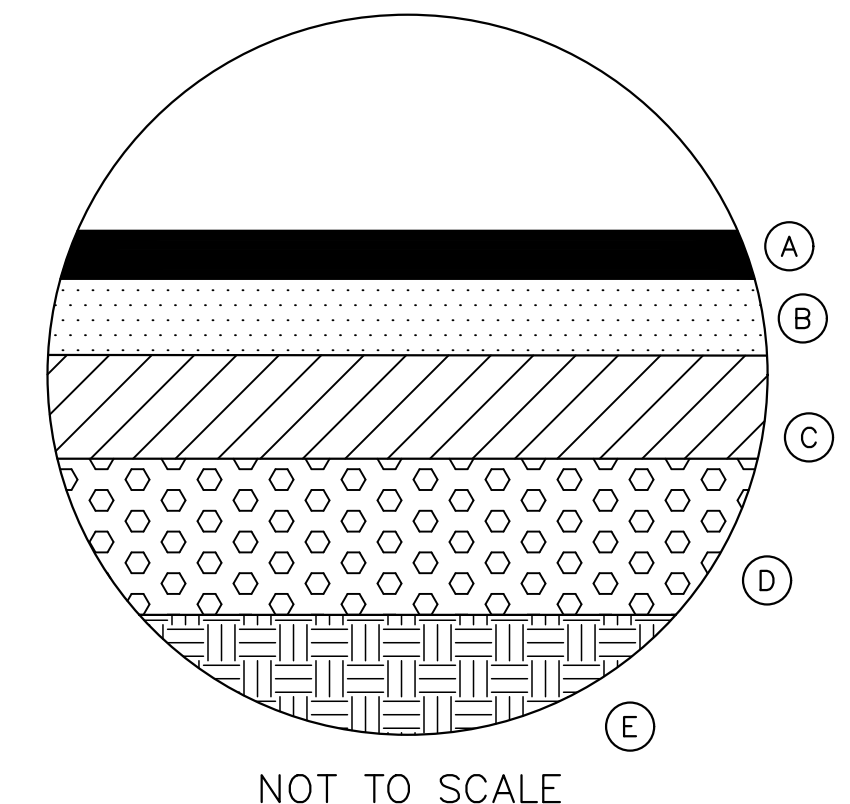


SEE SHEET 2B(1) FOR NOTES ON SILT FENCE ALONG PROJECT LIMITS AND DISTURBED AREA STABILIZATION

- ① PROPOSED FULL DEPTH ASPHALT PAVEMENT (SEE FULL DEPTH PAVEMENT INSET THIS SHEET)
- ② PROPOSED 1.5" MILLING OF EXISTING PAVEMENT AND 1.5" SM-9.5A @ 165 LB/SY
- ③ VDOT STD. CG-6
- ④ VDOT STD. CG-2
- ⑤ HYDRAULIC CEMENT CONCRETE SIDEWALK, 4"
- ⑤A PERFORM MAINTENANCE REPAIRS ON EXIST. SIDEWALK AS NEEDED.
- ⑥ GRADED SLOPE WITH TOPSOIL AND SEED
- ⑦ GRADED SLOPE WITH VDOT STD. EC-2 MATTING, TOPSOIL, AND SEED
- ⑧ SAWCUT AND PAVEMENT DEMOLITION IN ACCORDANCE WITH VDOT STD. WP-2 DETAIL
- ⑨ PAINTED (RED) ASPHALT PEDESTRIAN PATH

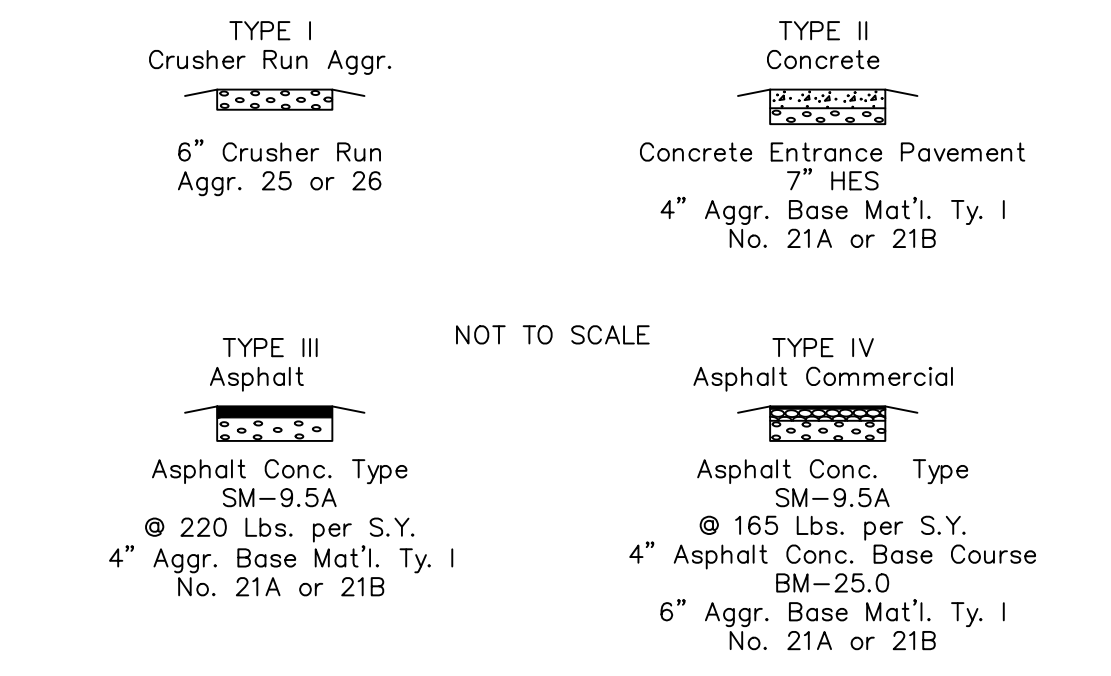
- Ⓐ 2" ASPHALT CONCRETE SURFACE COURSE TYPE SM-9.5A @ 220 LBS/SY
- Ⓑ 3" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE IM-19.0A @ 330 LBS/SY
- Ⓒ 5" ASPHALT CONCRETE BASE COURSE, TYPE BM-25.0A
- Ⓓ 8" AGGREGATE BASE MATERIAL, TYPE I, NO. 21A OR 21B
- Ⓔ STABLE SUBGRADE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) AND APPROVED BY THE GEOTECHNICAL ENGINEER

FULL DEPTH PAVEMENT INSET  
(CONTRACTOR TO CONFIRM EXISTING PAVEMENT SECTION AFTER SAWCUT AND PAVEMENT DEMOLITION)



NOT TO SCALE

PRIVATE AND COMMERCIAL ENTRANCES



THE TYPE OF ENTRANCE (I, II, III, IV) TO BE CONSTRUCTED WILL BE DETERMINED BY THE EXISTING CONDITION AT THE TIME OF CONSTRUCTION.

NO.	REVISIONS	DATE

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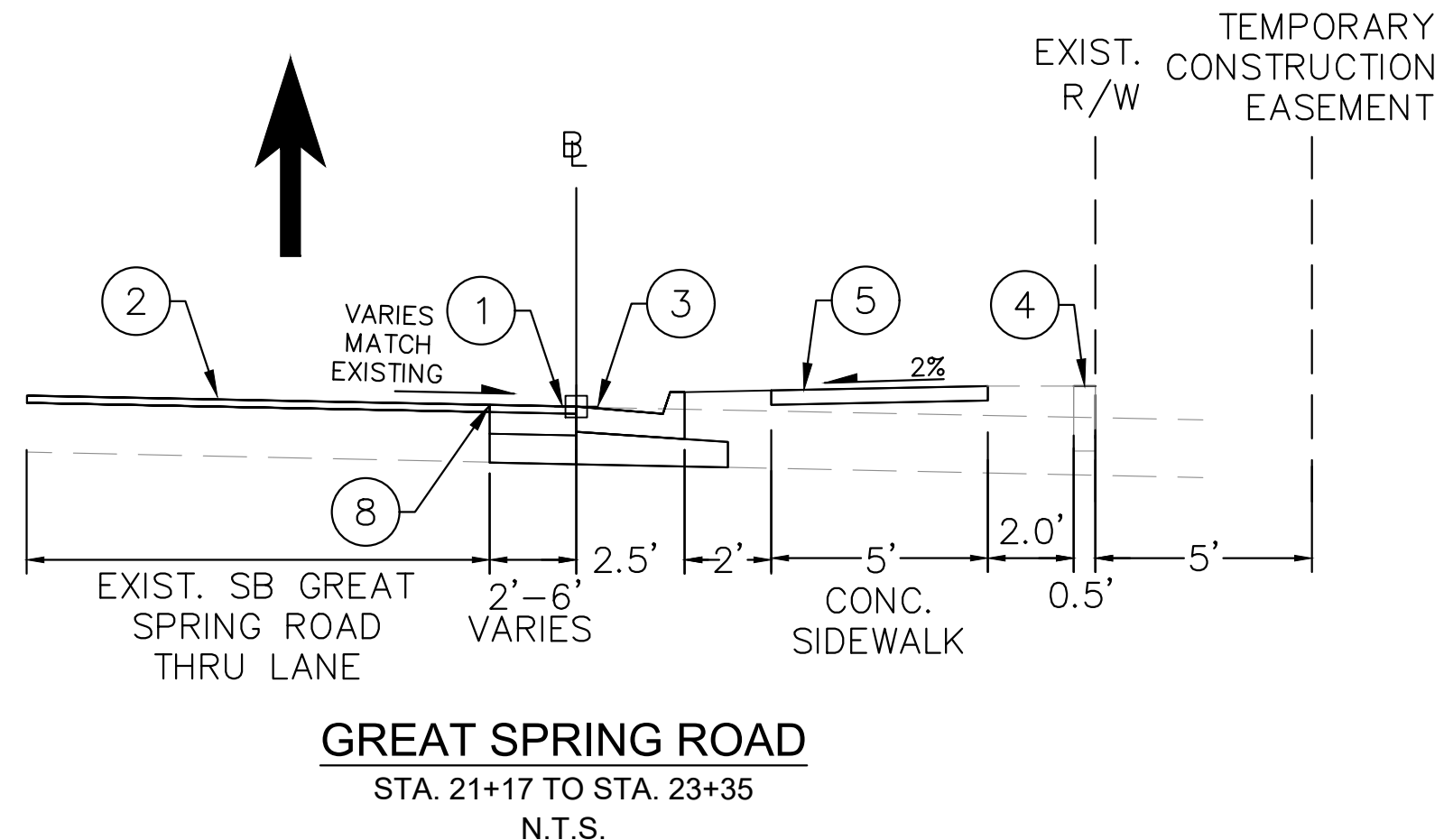
Kimley-Horn and Associates, Inc.  
 Virginia Beach, Virginia  
 Roadway Engineer

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
117032020	7/31/2023	AS SHOWN	MAM	MAM	APF

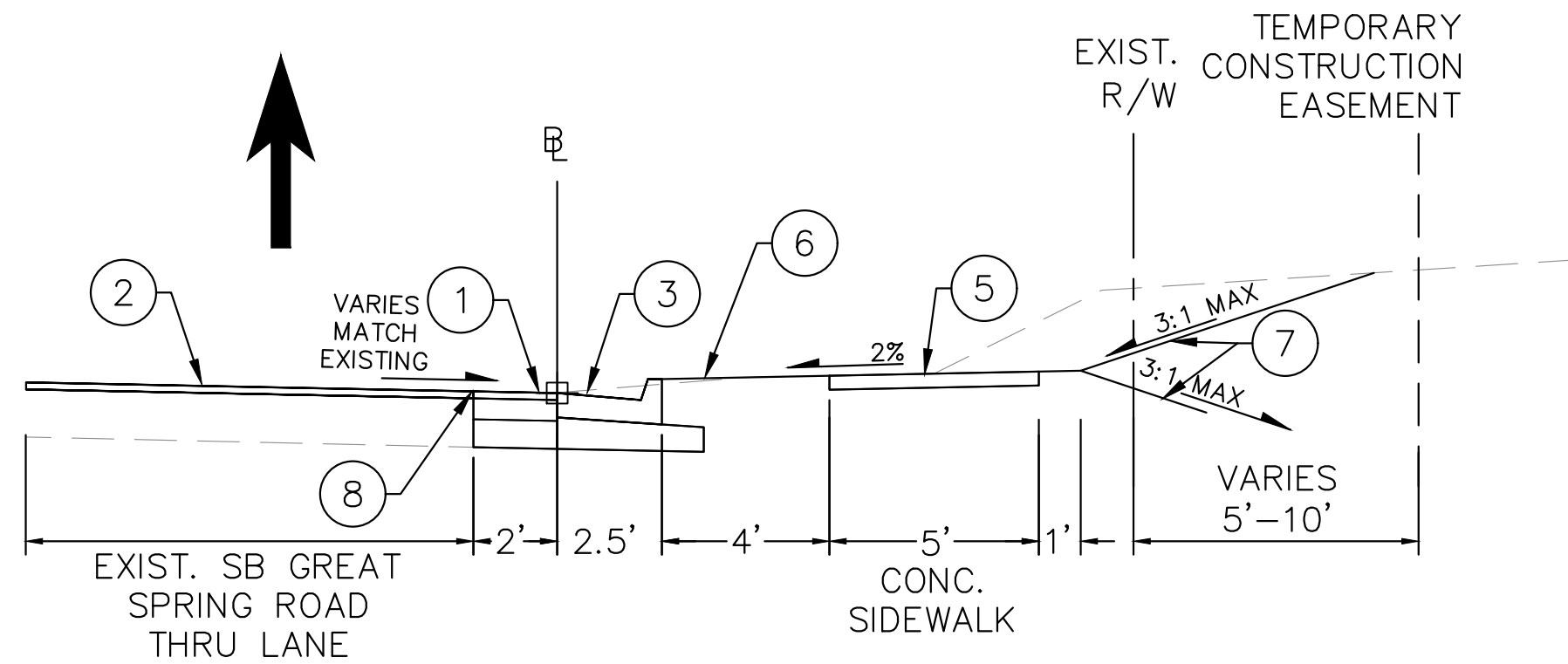
TYPICAL SECTIONS

SMITHFIELD SIDEWALK IMPROVEMENTS PREPARED FOR ISLE OF WIGHT COUNTY VIRGINIA  
 SMITHFIELD

Plotted By: Macaulis, Caroline. Sheet: SMITHFIELD SIDEWALK Layout: 2B TYPICAL SECTIONS August 02, 2023 01:35:56pm K:\VAB\_RDWY\17032020 - Smithfield Sidewalk\Design\PlanSheets\2A TYPICAL SECTIONS.dwg  
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**GREAT SPRING ROAD**  
STA. 21+17 TO STA. 23+35  
N.T.S.

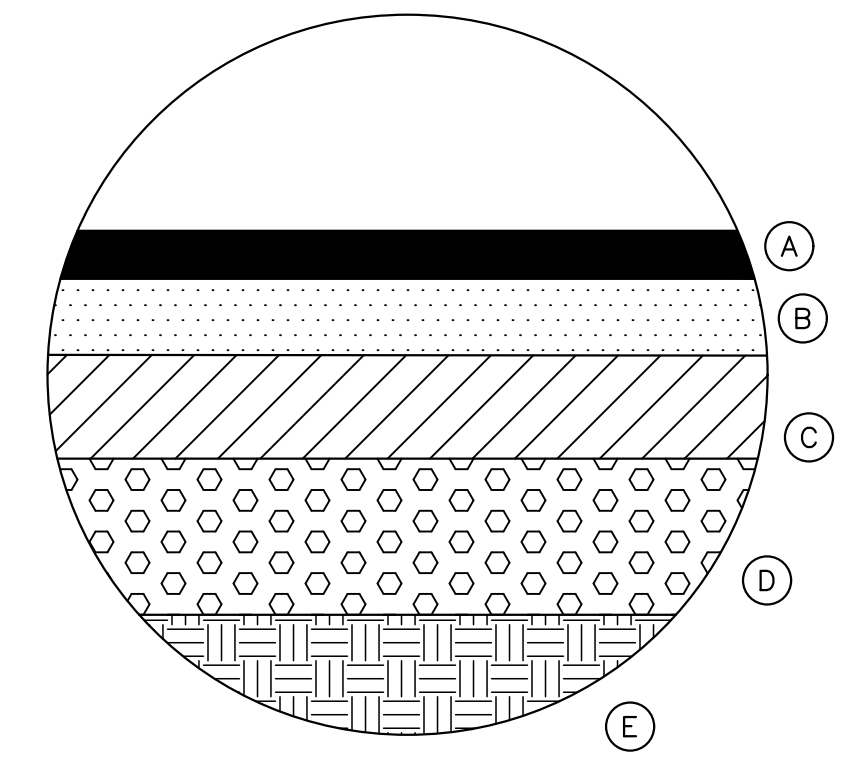


**GREAT SPRING ROAD**  
STA. 23+35 TO STA. 27+42  
N.T.S.

- ② PROPOSED 1.5" MILLING OF EXISTING PAVEMENT AND 1.5" SM-9.5A @ 165 LB/SY
- ③ VDOT STD. CG-6
- ④ VDOT STD. CG-2
- ⑤ HYDRAULIC CEMENT CONCRETE SIDEWALK, 4"
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FULL DEPTH PAVEMENT INSET  
(CONTRACTOR TO CONFIRM EXISTING PAVEMENT SECTION AFTER SAWCUT AND PAVEMENT DEMOLITION)



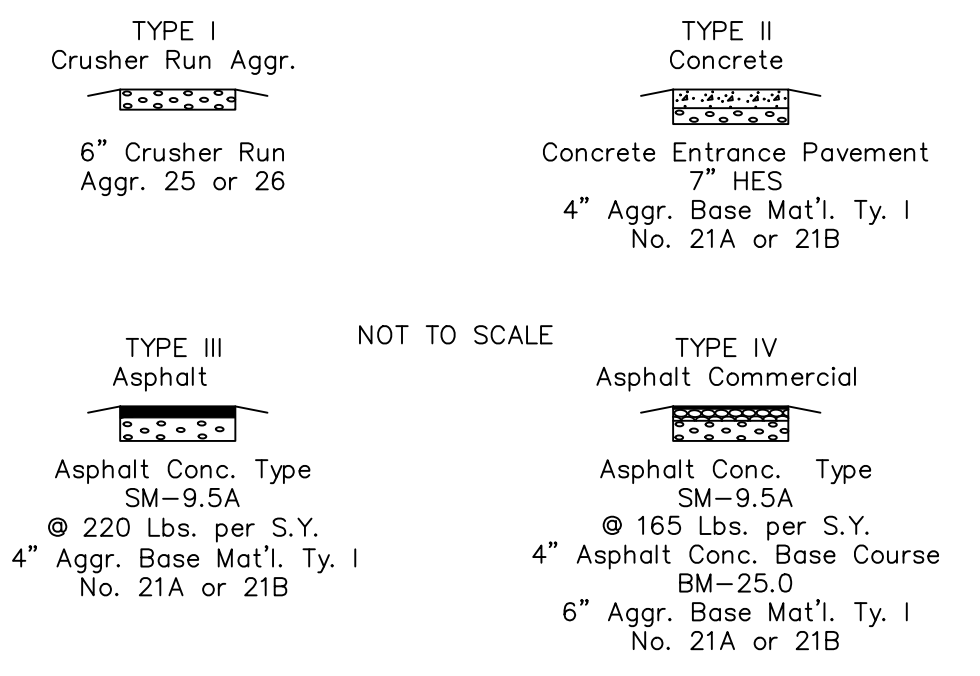
NOT TO SCALE

NOTE:

A.) CONTRACTOR TO PROVIDE SILT FENCE ALONG NORTH SIDE OF SIDEWALK IMPROVEMENTS ALONG MAIN STREET, WHERE FEASIBLE, FOR THE EXTENT OF THE PROJECT. SILT FENCE IS REQUIRED TO DELINEATE THE WORK ZONE ADJACENT TO PROPERTIES ALONG THE PROJECT CORRIDOR.

B.) CONTRACTOR TO TOPSOIL AND SEED ALL AREAS DISTURBED WITHIN THE TEMPORARY CONSTRUCTION EASEMENT, OUTSIDE THE LIMITS OF CONSTRUCTION.

PRIVATE AND COMMERCIAL ENTRANCES



THE TYPE OF ENTRANCE (I, II, III, IV) TO BE CONSTRUCTED WILL BE DETERMINED BY THE EXISTING CONDITION AT THE TIME OF CONSTRUCTION.

No.	REVISIONS	DATE

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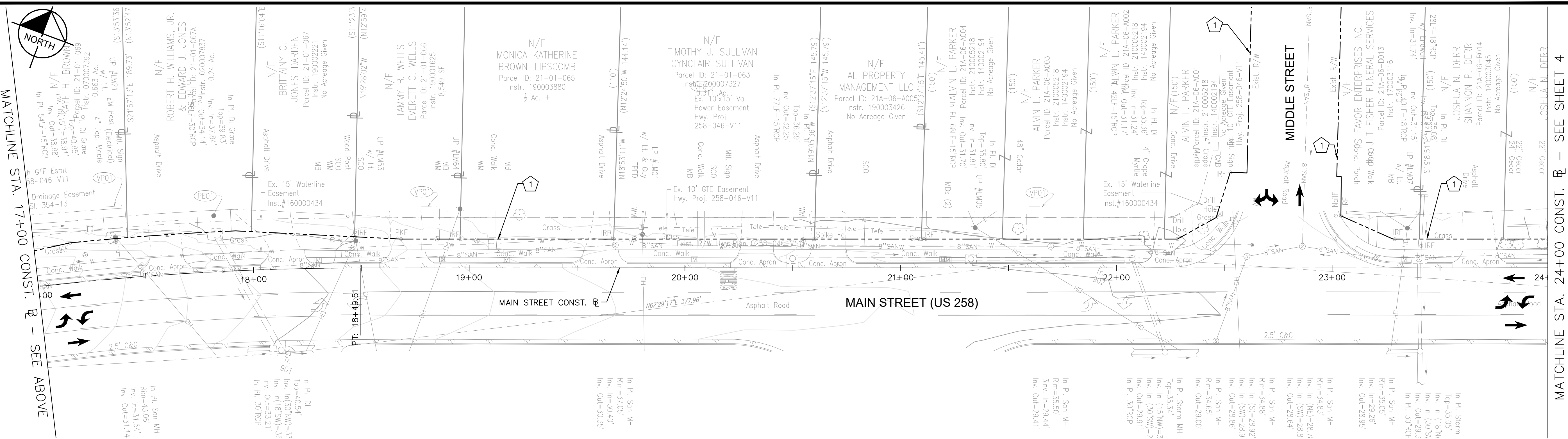
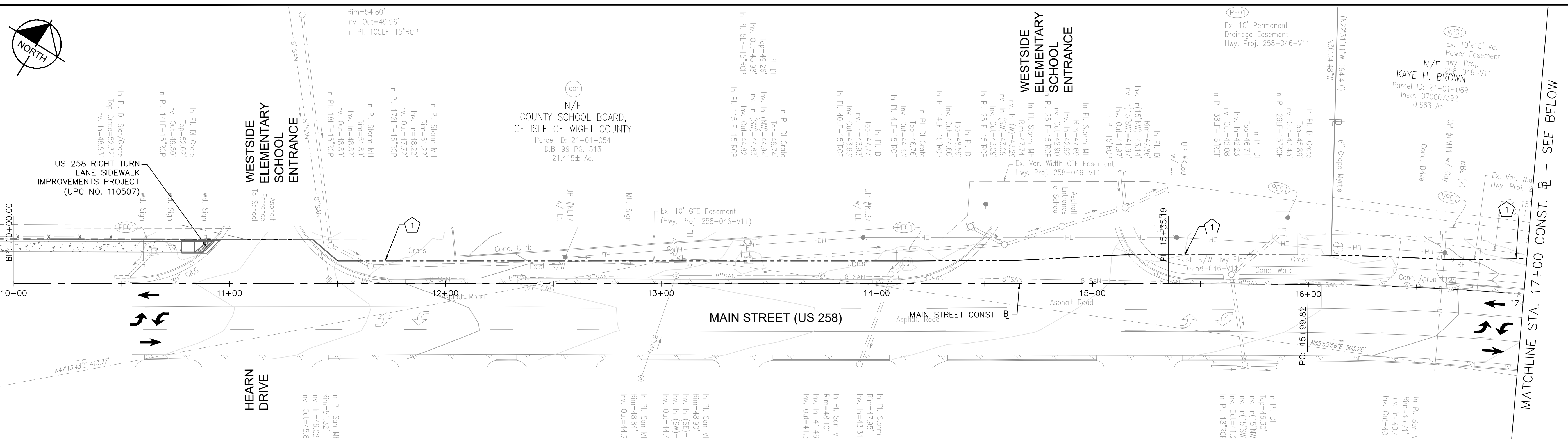
KHA PROJECT		117032020	
DATE	DESIGNED BY	SCALE	AS SHOWN
7/31/2023	MAM		
	DRAWN BY		
	MAM		
	CHECKED BY		
	APF		

**TYPICAL SECTIONS**

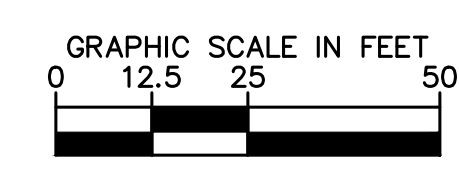
SMITHFIELD SIDEWALK IMPROVEMENTS PREPARED FOR ISLE OF WIGHT COUNTY VIRGINIA



Plotted By: Marquis, Caroline, Sheet: SMITHFIELD SIDEWALK, Layout: 3, August 02, 2023, 01:36:10pm, K:\VAB\_RDW\117032020 - Smithfield Sidewalk\Design\PlanSheets\EXISTING CONDITIONS.dwg  
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**LEGEND**  
 EXISTING RIGHT OF WAY LINE



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No.	REVISIONS	DATE

Kimley-Horn and Associates, Inc.  
 Virginia Beach, Virginia  
 Roadway Engineer

KHA PROJECT	DATE
117032020	7/31/2023

SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
AS SHOWN	MAM	MAM	APF

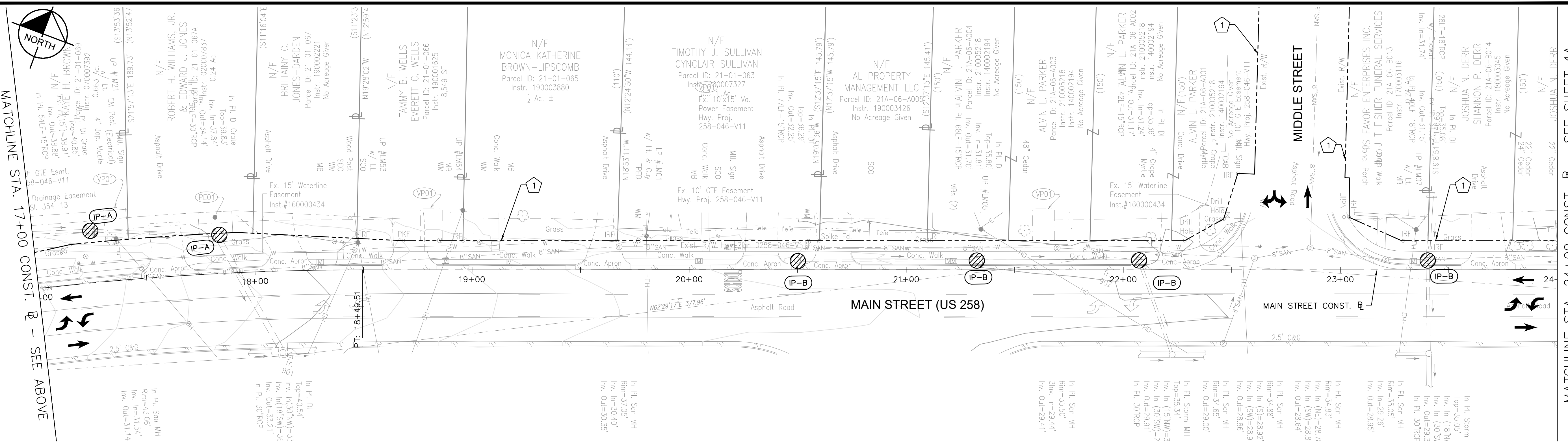
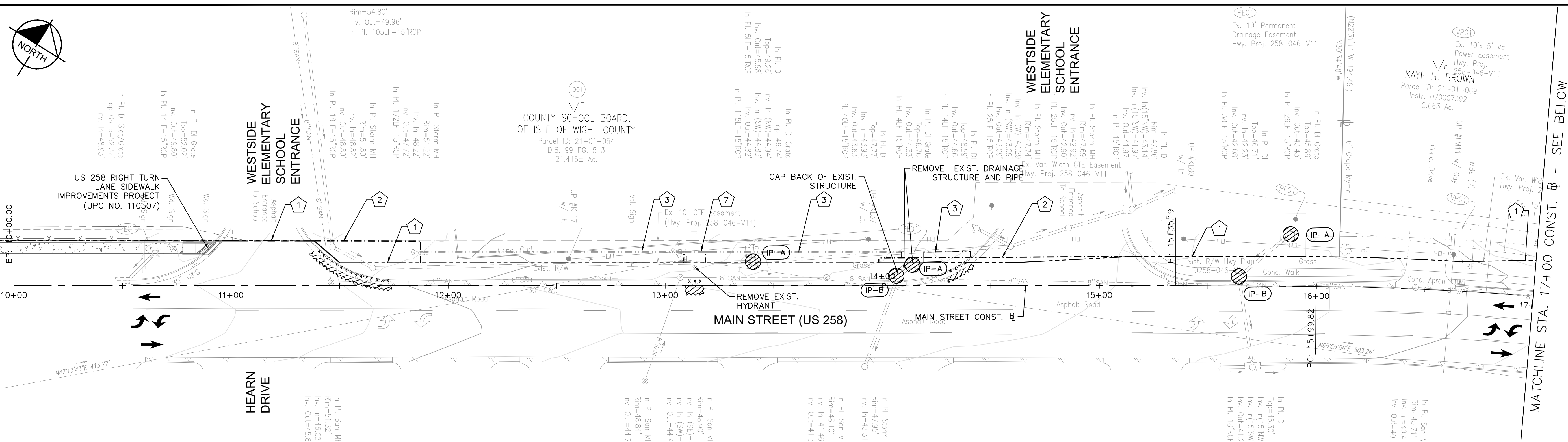
**EXISTING CONDITIONS**  
**MAIN STREET (US 258)**  
**STA. 10+00 TO STA. 24+00**

**SMITHFIELD SIDEWALK IMPROVEMENTS**  
 PREPARED FOR  
**ISLE OF WIGHT COUNTY**  
 VIRGINIA

SHEET NUMBER  
**3**

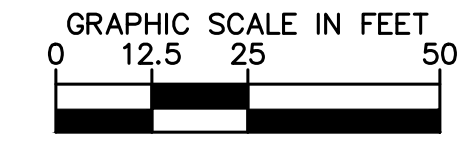


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- LEGEND**
- 1 - - - - - EXISTING RIGHT OF WAY LINE
  - 2 - - - - - PROPOSED RIGHT OF WAY LINE
  - 3 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT
  - 4 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES
  - 5 - - - - - PROPOSED PERMANENT MAINTENANCE EASEMENT
  - 6 - - - - - PROPOSED PERMANENT DRAINAGE EASEMENT
  - 7 - - - - - PROPOSED PERMANENT UTILITY EASEMENT
  - IP-A (Symbol) PROPOSED INLET PROTECTION TYPE A
  - IP-B (Symbol) PROPOSED INLET PROTECTION TYPE B
  - (Symbol) DEMOLITION OF CONCRETE PAVEMENT (RIGID)
  - (Symbol) DEMOLITION OF ASPHALT PAVEMENT (FLEXIBLE)
  - (Symbol) DEMOLITION OF CURB
  - (Symbol) DEMOLITION SAWCUTTING
  - SF (Symbol) PROPOSED TEMPORARY SILT FENCE TYPE A
  - TP (Symbol) PROPOSED TREE PROTECTION

**NOTE:**  
 WORK FOR CAPPING BACK OF EXISTING STRUCTURE WILL NOT BE MEASURED AND PAID SEPARATELY.  
 ALL WORK TO PATCH BACK OF EXISTING STRUCTURE SHALL BE CONSIDERED INCIDENTAL TO THE LINEAR FEET COST OF PIPE DEMOLITION.



MATCHLINE STA. 17+00 CONST. B - SEE BELOW

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No.	REVISIONS	DATE

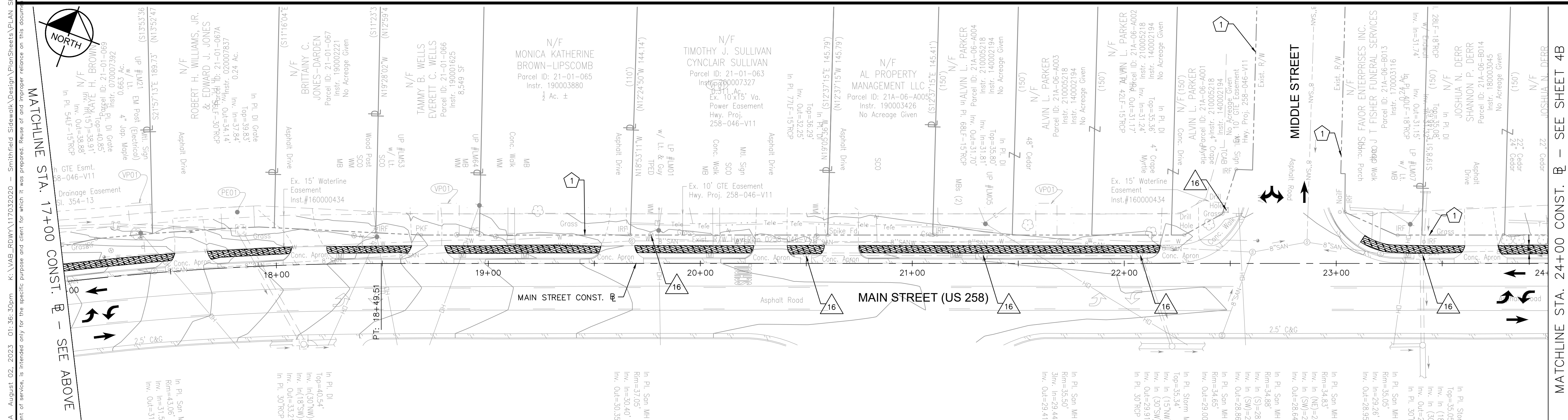
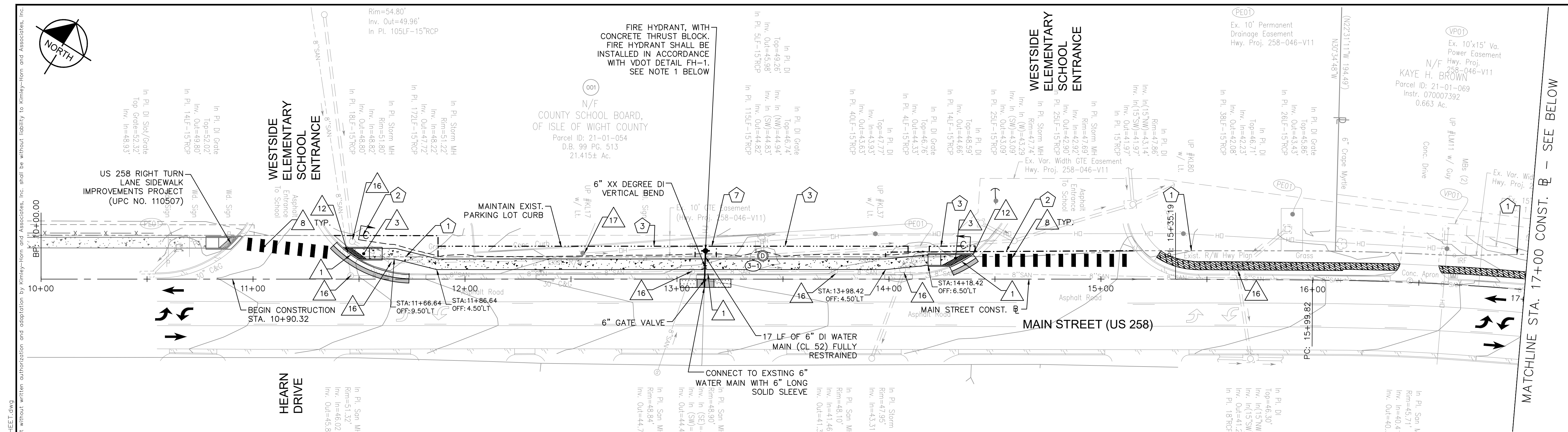
KHA PROJECT: 117032020  
 DATE: 7/31/2023  
 SCALE: AS SHOWN  
 DESIGNED BY: MAM  
 DRAWN BY: MAM  
 CHECKED BY: APF

**DEMOLITION PLAN  
 MAIN STREET (US 258)  
 STA. 10+00 TO STA. 24+00**

**SMITHFIELD SIDEWALK  
 IMPROVEMENTS  
 PREPARED FOR  
 ISLE OF WIGHT COUNTY**

VIRGINIA  
 SMITHFIELD

SHEET NUMBER  
**3A**



**LEGEND**

	EXISTING RIGHT OF WAY LINE		TIE TO EXIST. PAVEMENT
	PROPOSED RIGHT OF WAY LINE		TIE TO EXIST. CURB/CURB & GUTTER
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT		RELOCATE EXISTING SIGN PANELS TO PROPOSED SIGN POST
	PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES		RELOCATE EXISTING UTILITY POLE (BY OTHERS)
	PROPOSED PERMANENT MAINTENANCE EASEMENT		REMOVE EXISTING LIGHT POLE, FOUNDATION, AND FIXTURE
	PROPOSED PERMANENT DRAINAGE EASEMENT		PROTECT AND DO NOT DISTURB EXISTING UTILITY STRUCTURE
	PROPOSED PERMANENT UTILITY EASEMENT		PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE & GUY WIRE
	FILL LIMITS		ADJUST UTILITY RIM TO GRADE
	CUT LIMITS		REMOVE AND REPLACE EXISTING SIGN
	VDOT STD. CG-6 REQ'D.		RELOCATE EXIST. FIRE HYDRANT
	TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" WIDTH		
	TIE TO EXIST. SIDEWALK		
	VDOT STD. CG-2 REQ'D.		
	VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)		
	VDOT STD. CG-12 TYPE C REQ'D. (5' WIDTH)		
	TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" WIDTH (DOUBLE LINE, 4" SPACE)		
	TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" WIDTH		
	TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE, 24" WIDTH		
	TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE (ELONGATED ARROW, SINGLE)		

	NOTES		NOTES
	1. PRIOR TO REMOVAL OF EXISTING FIRE HYDRANT ASSEMBLIES OR CONNECTION TO THE EXISTING WATER MAIN, THE CONTRACTOR SHALL CONFIRM THRUST RESTRAIN FOR EXISTING HYDRANT ASSEMBLY. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PERMANENT AND TEMPORARY THRUST RESTRAINT ON EXISTING AND PROPOSED MAINS (INCLUDING BUT NOT LIMITED TO TEMPORARY BUTTRESSING, CONCRETE THRUST COLLARS AND THRUST BLOCKS) AS NECESSARY TO COMPLETE THE WATER MAIN INSTALLATIONS AND TESTING. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.		NOTES
			NOTES
			NOTES
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			NOTES

**NOTES**

- PRIOR TO REMOVAL OF EXISTING FIRE HYDRANT ASSEMBLIES OR CONNECTION TO THE EXISTING WATER MAIN, THE CONTRACTOR SHALL CONFIRM THRUST RESTRAIN FOR EXISTING HYDRANT ASSEMBLY. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PERMANENT AND TEMPORARY THRUST RESTRAINT ON EXISTING AND PROPOSED MAINS (INCLUDING BUT NOT LIMITED TO TEMPORARY BUTTRESSING, CONCRETE THRUST COLLARS AND THRUST BLOCKS) AS NECESSARY TO COMPLETE THE WATER MAIN INSTALLATIONS AND TESTING. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.

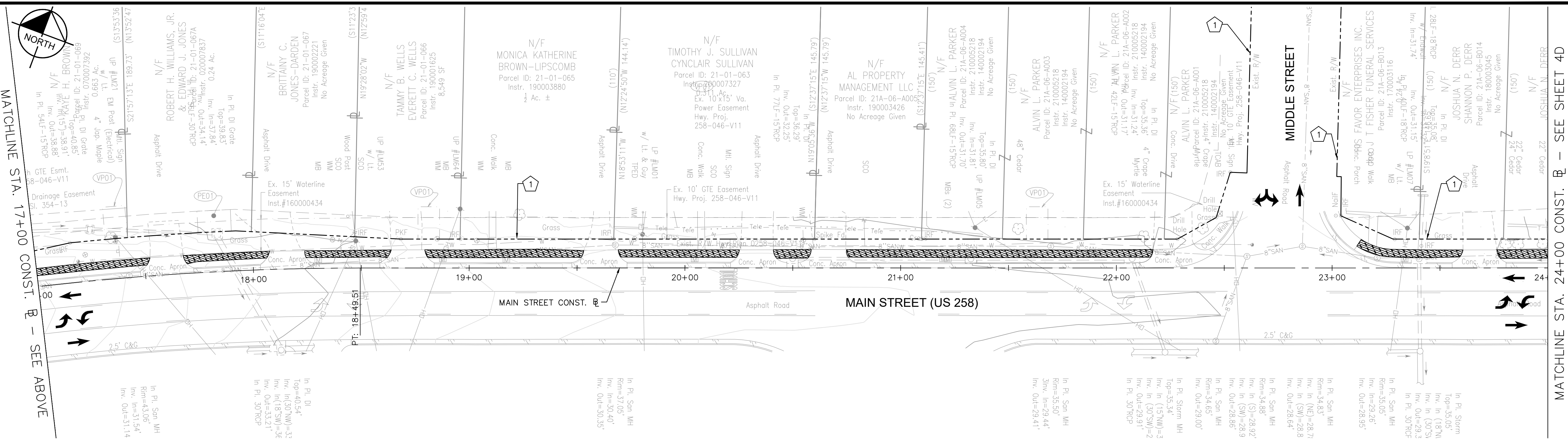
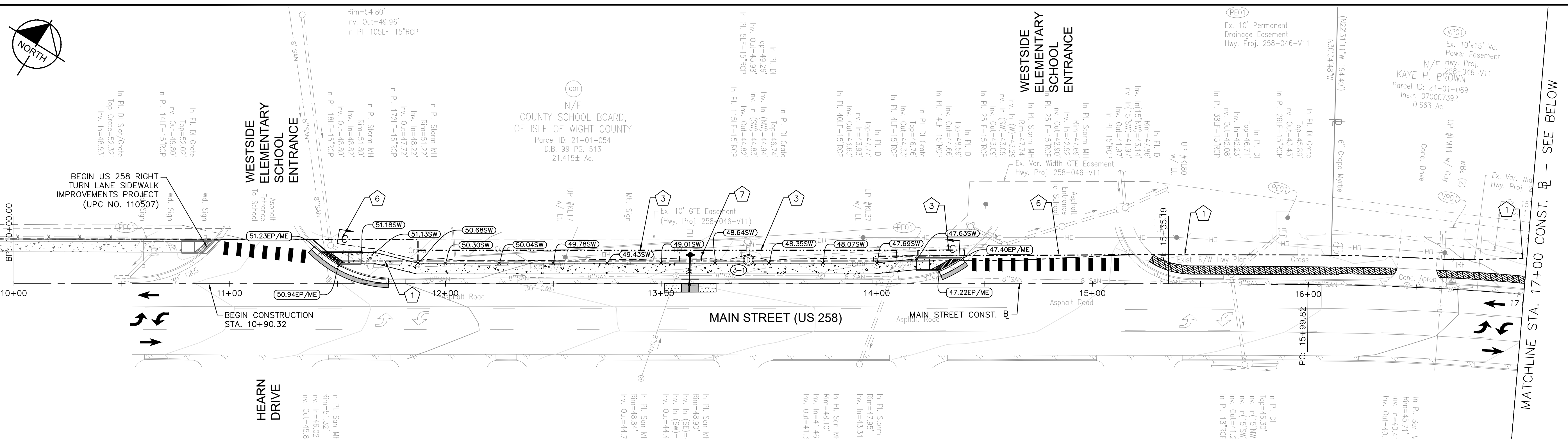
**GRAPHIC SCALE IN FEET**

Plotted By: Macquis, Carolina. Sheet: SMITHFIELD SIDEWALK IMPROVEMENTS FOR ISLE OF WIGHT COUNTY. August 02, 2023. 01:36:30pm. K:\VAB\_RDW\117032020 - Smithfield Sidewalk\Design\PlanSheets\PLAN\_SHEET.dwg  
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<b>ROADWAY PLAN</b> MAIN STREET (US 258) STA. 10+00 TO STA. 24+00	KHA PROJECT 117032020 DATE 7/31/2023 SCALE AS SHOWN DESIGNED BY MAM DRAWN BY MAM CHECKED BY APF
<b>SMITHFIELD SIDEWALK IMPROVEMENTS</b> PREPARED FOR <b>ISLE OF WIGHT COUNTY</b>	VIRGINIA SMITHFIELD SHEET NUMBER <b>3B</b>



Plotted By: Macquis, Caroline, Sheet: SMITHFIELD SIDEWALK IMPROVEMENTS, August 02, 2023 01:37:02pm, K:\VAB\_RDW\117032020 - Smithfield Sidewalk\PlanSheets\Grading and Drainage\_SHEET.dwg  
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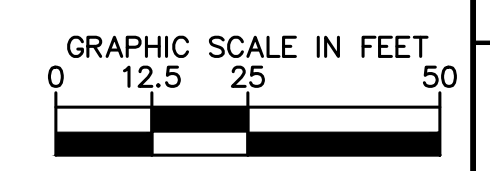


**LEGEND**

- 1 --- EXISTING RIGHT OF WAY LINE
- 2 --- PROPOSED RIGHT OF WAY LINE
- 3 --- PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- 4 --- PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES
- 5 --- PROPOSED PERMANENT MAINTENANCE EASEMENT
- 6 --- PROPOSED PERMANENT DRAINAGE EASEMENT
- 7 --- PROPOSED PERMANENT UTILITY EASEMENT

- SW SIDEWALK ELEV.
- TC TOP OF CURB ELEV.
- ME MATCH EXIST. ELEV.
- EOP EDGE OF PAVEMENT
- P PAVEMENT
- FL FLOWLINE
- F FILL LIMITS
- C CUT LIMITS

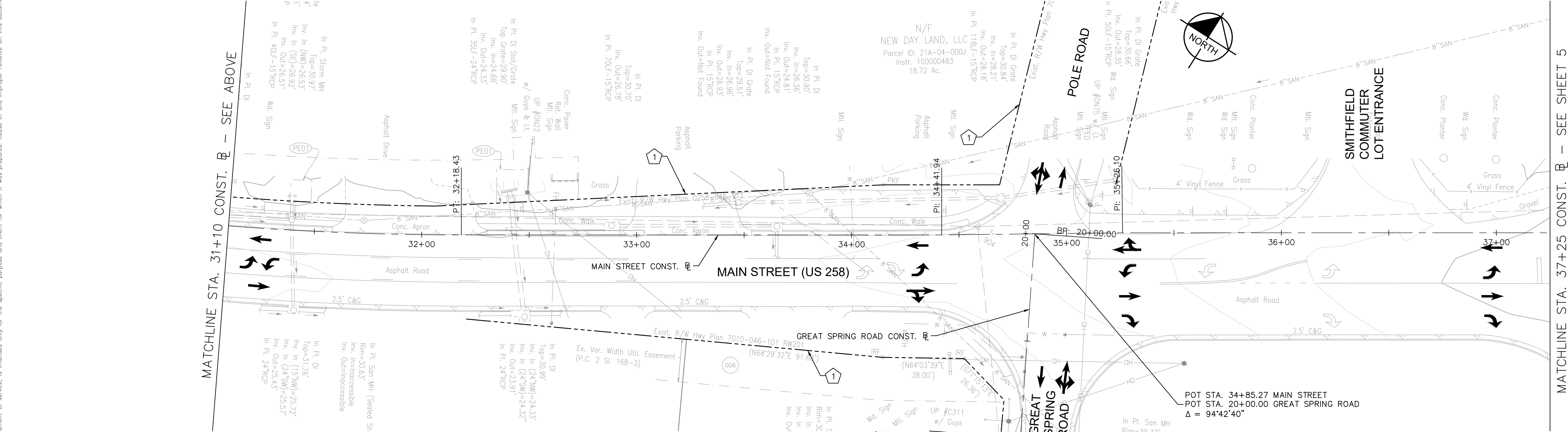
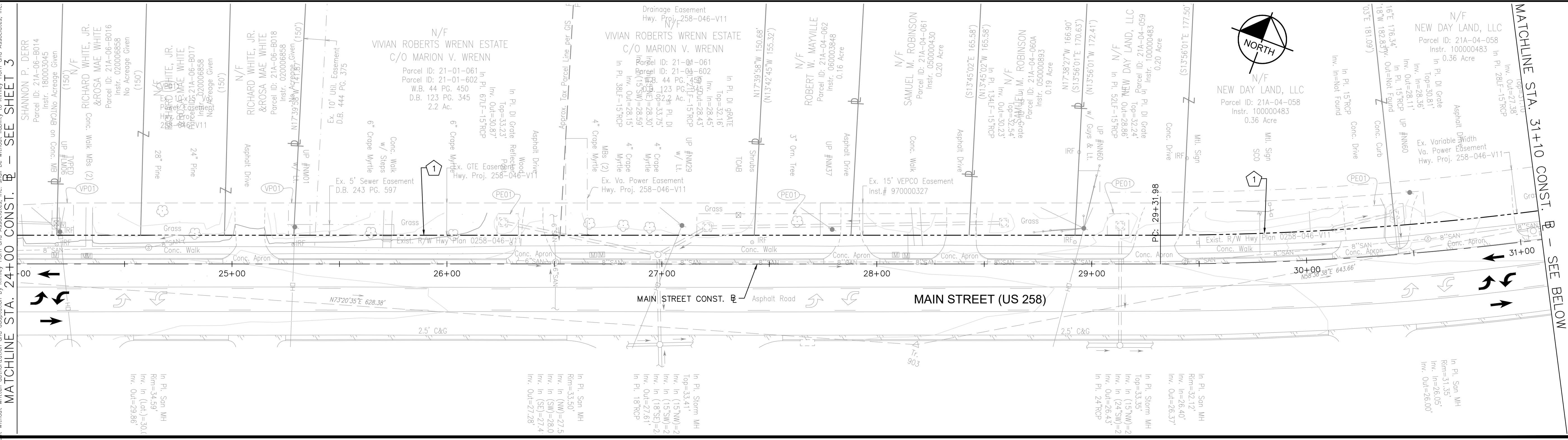
3-1 MODIFY EXIST. DROP INLET  
 ADJUST TO GRADE. RAISE 1.74'  
 ADD 1 STD. MH-1 FRAME & COVER TOP  
 PROP. TOP ELEV. 48.50



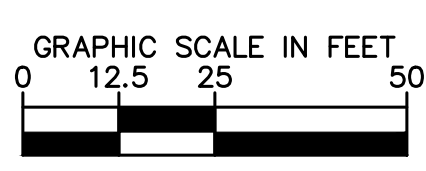
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<b>SMITHFIELD SIDEWALK IMPROVEMENTS</b> PREPARED FOR <b>ISLE OF WIGHT COUNTY</b>	VIRGINIA SMITHFIELD
KHA PROJECT: 117032020 DATE: 7/31/2023 SCALE: AS SHOWN DESIGNED BY: MAM DRAWN BY: MAM CHECKED BY: APF	SHEET NUMBER <b>3D</b>
GRADING AND DRAINAGE PLAN MAIN STREET (US 258) STA. 10+00 TO STA. 24+00	
MATCHLINE STA. 17+00 CONST. B - SEE ABOVE MATCHLINE STA. 24+00 CONST. B - SEE SHEET 4D	



Plotted By: Marquis, Caroline, Sheet: SMITHFIELD SIDEWALK Layout: 4 August 02, 2023 01:37:13pm K:\VAB\_RDW\117032020 - Smithfield Sidewalk\Design\PlanSheets\EXISTING CONDITIONS.dwg  
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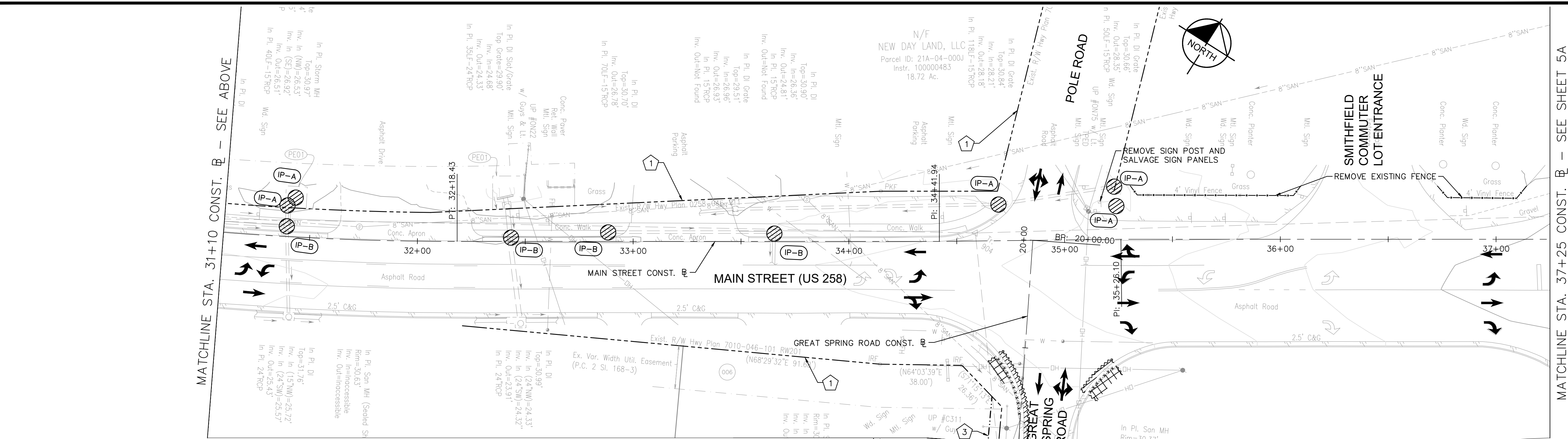
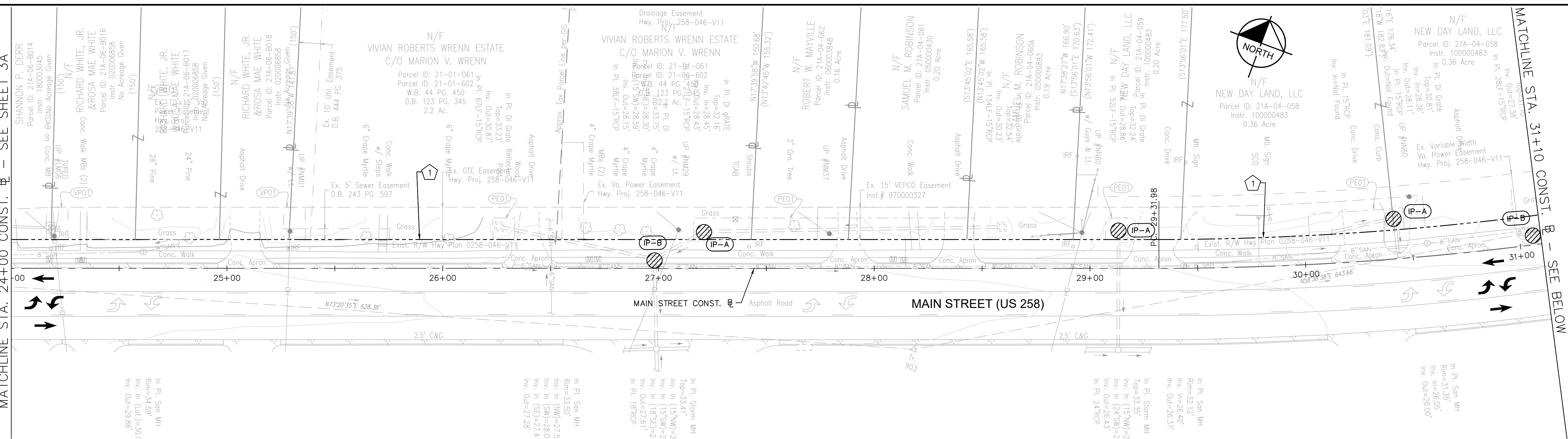


**LEGEND**  
 1 - - - - - EXISTING RIGHT OF WAY LINE

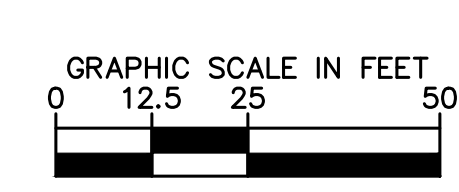


KHA PROJECT 117032020		KIMLEY-HORN AND ASSOCIATES, INC. Virginia Beach, Virginia Roadway Engineer	
DATE 7/31/2023	SCALE AS SHOWN	DESIGNED BY MAM	CHECKED BY APF
<b>EXISTING CONDITIONS</b> MAIN STREET (US 258) STA. 24+00 TO STA. 37+25		<b>SMITHFIELD SIDEWALK IMPROVEMENTS</b> PREPARED FOR ISLE OF WIGHT COUNTY	
SHEET NUMBER <b>4</b>		SMITHFIELD	VIRGINIA
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NO.	REVISIONS	DATE	

Plotted By: Marquis, Caroline, Sheet: SMITHFIELD SIDEWALK, Layout: 4A, August 02, 2023, 01:37:29pm, K:\VAB\_RDWVA\117032020 - Smithfield Sidewalk\PlanSheets\DEMOLITION PLANS.dwg  
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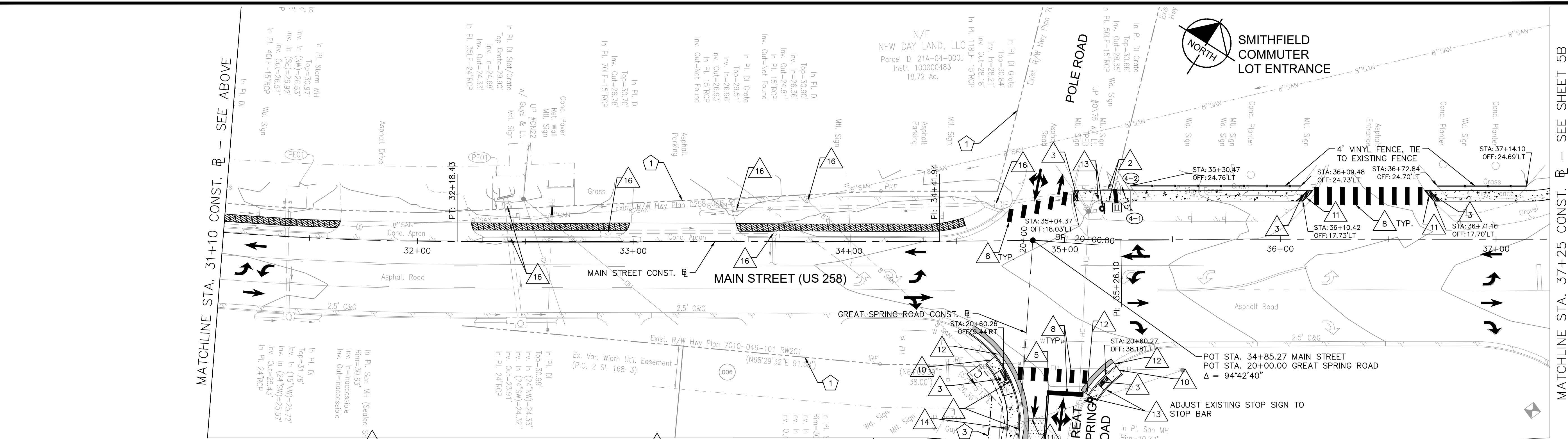
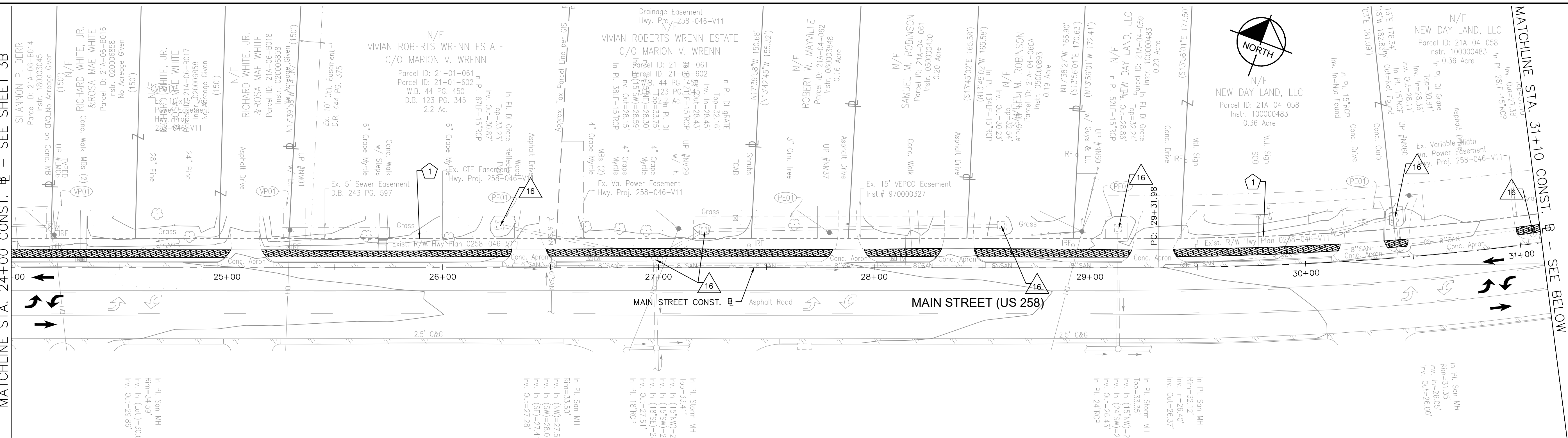
- LEGEND**
- 1 - - - - - EXISTING RIGHT OF WAY LINE
  - 2 - - - - - PROPOSED RIGHT OF WAY LINE
  - 3 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT
  - 4 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES
  - 5 - - - - - PROPOSED PERMANENT MAINTENANCE EASEMENT
  - 6 - - - - - PROPOSED PERMANENT DRAINAGE EASEMENT
  - 7 - - - - - PROPOSED PERMANENT UTILITY EASEMENT
  - IP-A PROPOSED INLET PROTECTION TYPE A
  - IP-B PROPOSED INLET PROTECTION TYPE B
  - DEMOLITION OF CONCRETE PAVEMENT (RIGID)
  - DEMOLITION OF ASPHALT PAVEMENT (FLEXIBLE)
  - DEMOLITION OF CURB
  - DEMOLITION SAWCUTTING
  - PROPOSED TEMPORARY SILT FENCE TYPE A
  - PROPOSED TREE PROTECTION



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KHA PROJECT 117032020 DATE 7/31/2023 SCALE AS SHOWN DESIGNED BY MAM DRAWN BY MAM CHECKED BY APF	DEMOLITION PLAN MAIN STREET (US 258) STA. 24+00 TO STA. 37+25
SMITHFIELD SIDEWALK IMPROVEMENTS PREPARED FOR ISLE OF WIGHT COUNTY	VIRGINIA SMITHFIELD SHEET NUMBER <b>4A</b>



Plotted By: Macquis, Caroline, Sheet: SMITHFIELD SIDEWALK, Layout: 4A, August 02, 2023, 01:37:35pm, K:\VAB\_RDWX\117032020 - Smithfield Sidewalk\PlanSheets\PLAN\_SHEET.dwg  
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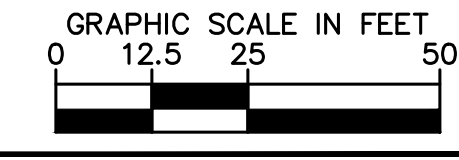


- LEGEND**
- 1 --- EXISTING RIGHT OF WAY LINE
  - 2 --- PROPOSED RIGHT OF WAY LINE
  - 3 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT
  - 4 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES
  - 5 - - - - - PROPOSED PERMANENT MAINTENANCE EASEMENT
  - 6 - - - - - PROPOSED PERMANENT DRAINAGE EASEMENT
  - 7 - - - - - PROPOSED PERMANENT UTILITY EASEMENT
  - F --- FILL LIMITS
  - C --- CUT LIMITS
- GROUND MOUNT TRAFFIC CONTROL SIGN  
 SIGN POST: STP-1 2 1/2" 12 GA. (UNLESS OTHERWISE SPECIFIED)  
 FOUNDATION: STP-1 FOUNDATION TYPE A (UNLESS OTHERWISE SPECIFIED)

- 1 VDOT STD. CG-6 REQ'D.
- 2 VDOT STD. CG-2 REQ'D.
- 3 VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)
- 4 VDOT STD. CG-12 TYPE C REQ'D. (5' WIDTH)
- 5 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" WIDTH (DOUBLE LINE, 4" SPACE)
- 6 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" WIDTH
- 7 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" WIDTH
- 8 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE, 24" WIDTH
- 9 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE (ELONGATED ARROW, SINGLE)
- 10 TIE TO EXIST. SIDEWALK

- 11 TIE TO EXIST. PAVEMENT
- 12 TIE TO EXIST. CURB/CURB & GUTTER
- 13 RELOCATE EXISTING SIGN PANELS TO PROPOSED SIGN POST
- 14 RELOCATE EXISTING UTILITY POLE (BY OTHERS)
- 15 REMOVE EXISTING LIGHT POLE, FOUNDATION, AND FIXTURE
- 16 PROTECT AND DO NOT DISTURB EXISTING UTILITY STRUCTURE
- 17 PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE & GUY WIRE
- 18 ADJUST UTILITY RIM TO GRADE
- 19 REMOVE AND REPLACE EXISTING SIGN
- 20 RELOCATE EXIST. FIRE HYDRANT

- [Pattern] DENOTES PROP. 5' CONCRETE SIDEWALK
  - [Pattern] DENOTES PROP. FULL DEPTH ASPHALT PAVEMENT
  - [Pattern] DENOTES PROP. 1.5" MILL AND OVERLAY WITH SM-9.5A @165 LBS/SY
  - [Pattern] DENOTES MAINTENANCE OF EXISTING SIDEWALK
  - [Pattern] DENOTES DETECTABLE WARNING SURFACE
  - [Pattern] DENOTES PROP. TY. II CONCRETE ENTRANCE PAVEMENT
  - [Pattern] DENOTES PROP. PAINTED (RED) ASPHALT PEDESTRIAN PATH
  - [Symbol] PROPOSED FIRE HYDRANT ASSEMBLY
- NOTES**
- PRIOR TO REMOVAL OF EXISTING FIRE HYDRANT ASSEMBLIES OR CONNECTION TO THE EXISTING WATER MAIN, THE CONTRACTOR SHALL CONFIRM THRUST RESTRAIN FOR EXISTING HYDRANT ASSEMBLY. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PERMANENT AND TEMPORARY THRUST RESTRAINT ON EXISTING AND PROPOSED MAINS (INCLUDING BUT NOT LIMITED TO TEMPORARY BUTTRESSING, CONCRETE THRUST COLLARS AND THRUST BLOCKS) AS NECESSARY TO COMPLETE THE WATER MAIN INSTALLATIONS AND TESTING. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.



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No.	REVISIONS	DATE

Kimley-Horn and Associates, Inc.  
 Virginia Beach, Virginia  
 Roadway Engineer

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
117032020	7/31/2023	AS SHOWN	MAM	MAM	APF

**ROADWAY PLAN**  
**MAIN STREET (US 258)**  
**STA. 24+00 TO STA. 37+25**

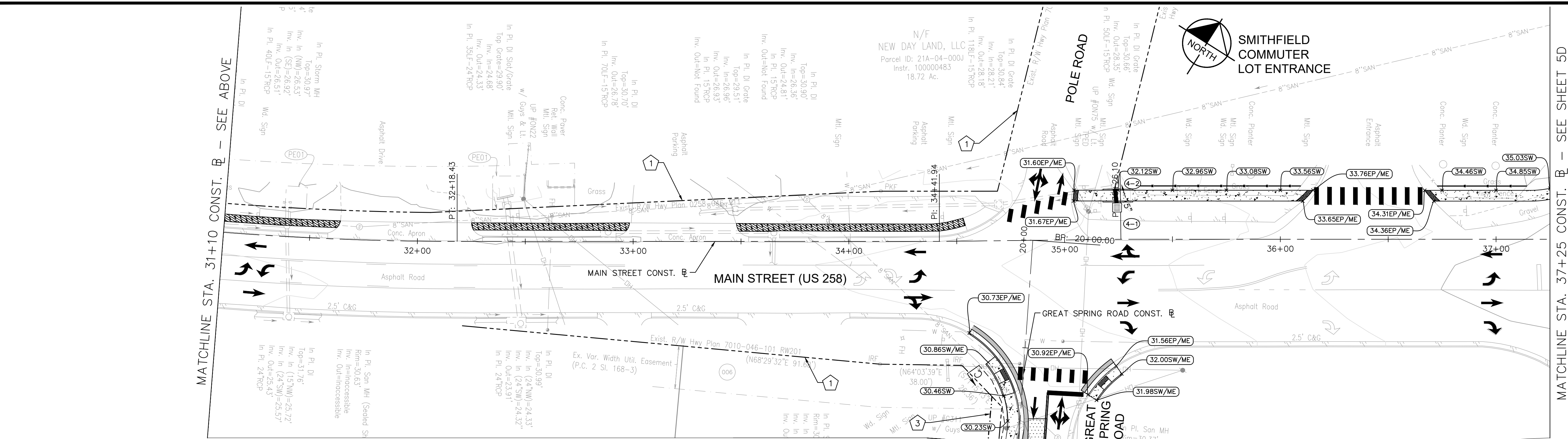
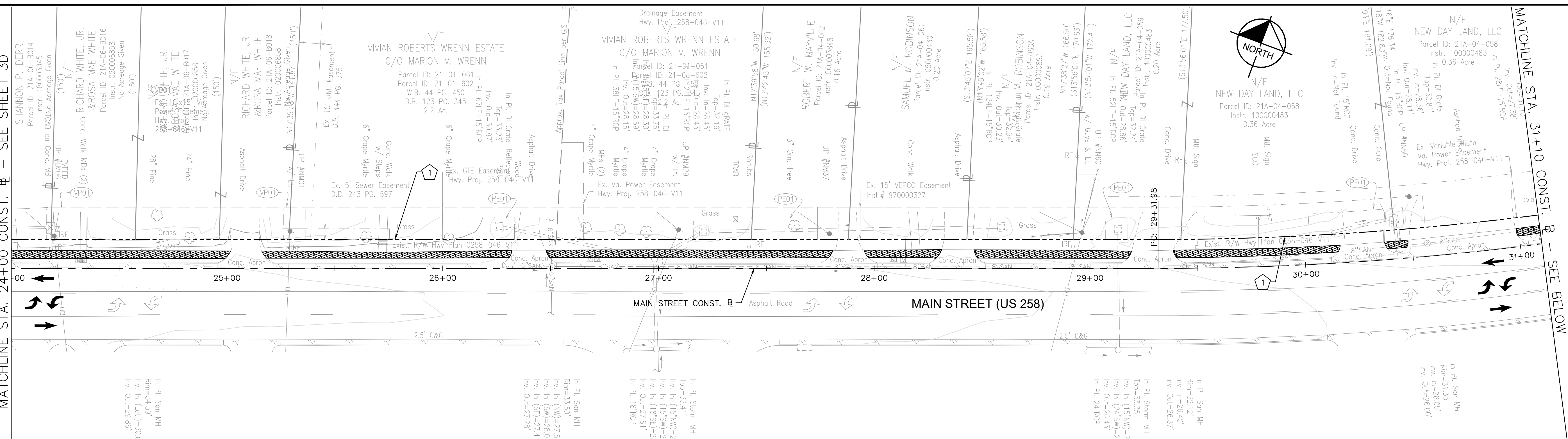
**SMITHFIELD SIDEWALK IMPROVEMENTS**  
 PREPARED FOR  
**ISLE OF WIGHT COUNTY**

VIRGINIA  
 SMITHFIELD

SHEET NUMBER  
**4B**



Plotted By: Macquis, Caroline, Sheet: SMITHFIELD SIDEWALK Layout: 4B August 02, 2023 01:37:56pm K:\VAB\_RDWX\117032020 - Smithfield Sidewalk\PlanSheets\GRADING AND DRAINAGE SHEET.dwg  
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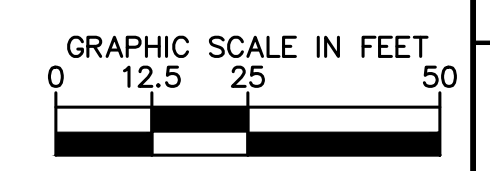


**LEGEND**

- 1 - - - - - EXISTING RIGHT OF WAY LINE
- 2 - - - - - PROPOSED RIGHT OF WAY LINE
- 3 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- 4 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES
- 5 - - - - - PROPOSED PERMANENT MAINTENANCE EASEMENT
- 6 - - - - - PROPOSED PERMANENT DRAINAGE EASEMENT
- 7 - - - - - PROPOSED PERMANENT UTILITY EASEMENT

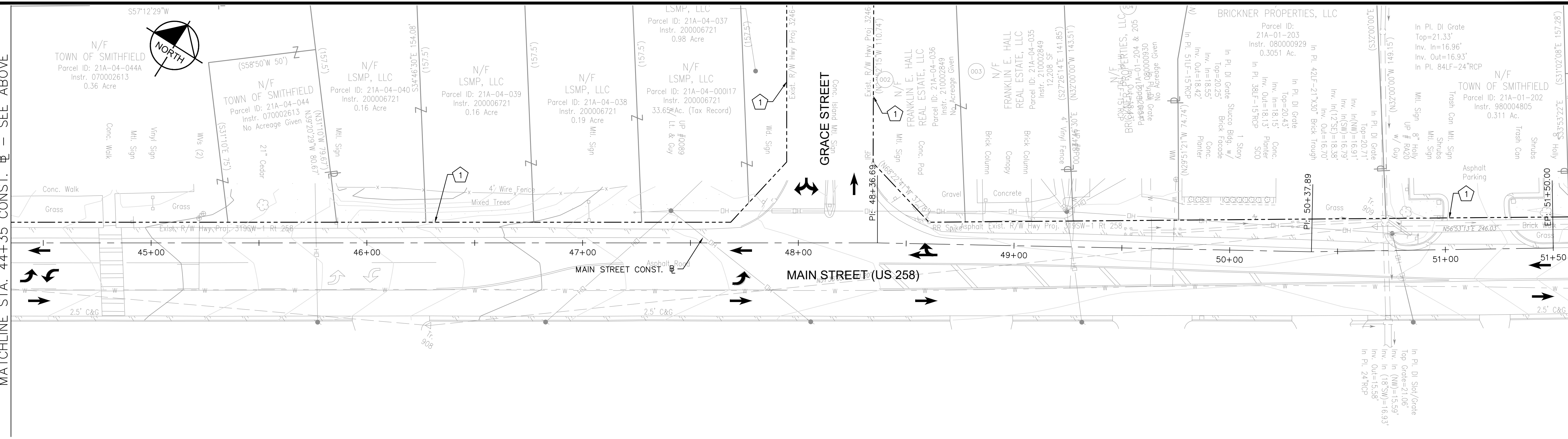
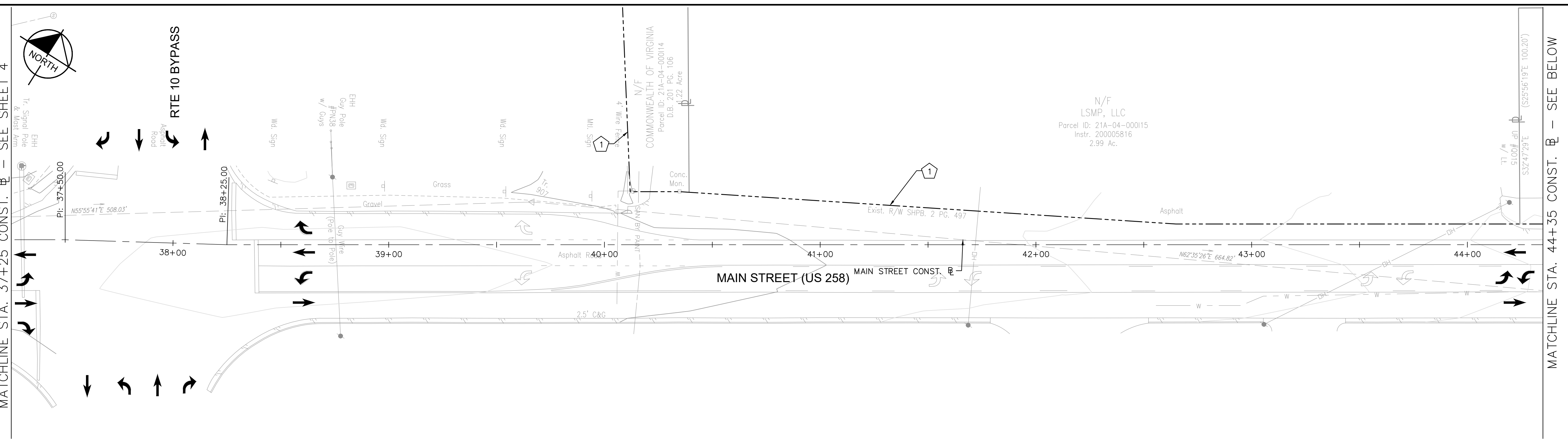
- SW SIDEWALK ELEV.
- TC TOP OF CURB ELEV.
- ME MATCH EXIST. ELEV.
- EOP EDGE OF PAVEMENT
- P PAVEMENT
- FL FLOWLINE
- F FILL LIMITS
- C CUT LIMITS

- 1-1 1 STD. DI-1 REQ'D. H=2.95' INV. 28.50
- 1-2 TO 1-3 8"-15" CONC. PIPE CLASS III REQ'D. (2' COVER) SILT TIGHT JOINT REQ'D. INV. (IN) 28.50 INV. (OUT) 28.35
- 2-2 MODIFY EXIST. DROP INLET TO ACCEPT 15" CONC. PIPE INV. 28.35

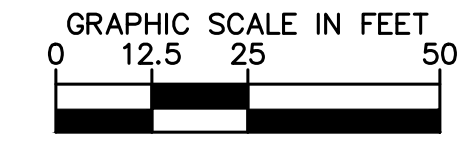


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KHA PROJECT 117032020 DATE 7/31/2023 SCALE AS SHOWN DESIGNED BY MAM DRAWN BY MAM CHECKED BY APF	KIMLEY-HORN AND ASSOCIATES, INC. VIRGINIA BEACH, VIRGINIA ROADWAY ENGINEER
<b>SMITHFIELD SIDEWALK IMPROVEMENTS PREPARED FOR ISLE OF WIGHT COUNTY</b>	
SHEET NUMBER <b>4D</b>	

Plotted By: Marquis, Caroline, Sheet: SMITHFIELD SIDEWALK, Layout: 5, August 02, 2023, 01:38:07pm, K:\VAB\_RDWY\117032020 - Smithfield Sidewalk Design\PlanSheets\EXISTING CONDITIONS.dwg  
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 MATCHLINE STA. 44+35 CONST. - SEE ABOVE  
 MATCHLINE STA. 37+25 CONST. - SEE SHEET 4



**LEGEND**  
 1 - EXISTING RIGHT OF WAY LINE



MATCHLINE STA. 44+35 CONST. - SEE BELOW

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KHA PROJECT		117032020	
DATE		7/31/2023	
SCALE		AS SHOWN	
DESIGNED BY		MAM	
DRAWN BY		MAM	
CHECKED BY		APF	

Kimley-Horn and Associates, Inc.  
 Virginia Beach, Virginia  
 Roadway Engineer

**EXISTING CONDITIONS**  
 MAIN STREET (US 258)  
 STA. 37+25 TO STA. 51+50

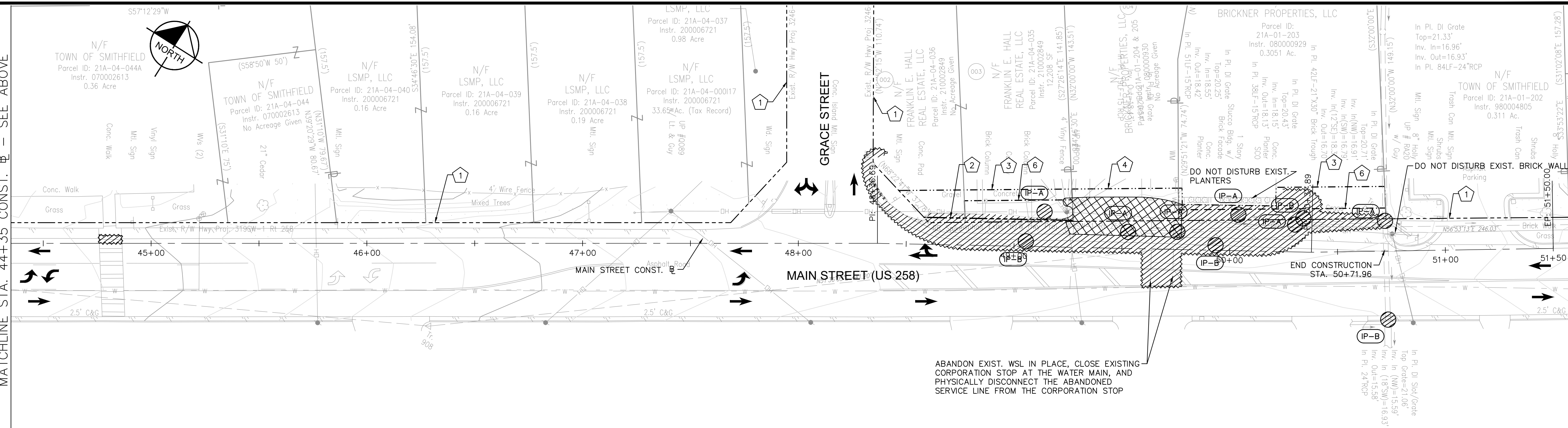
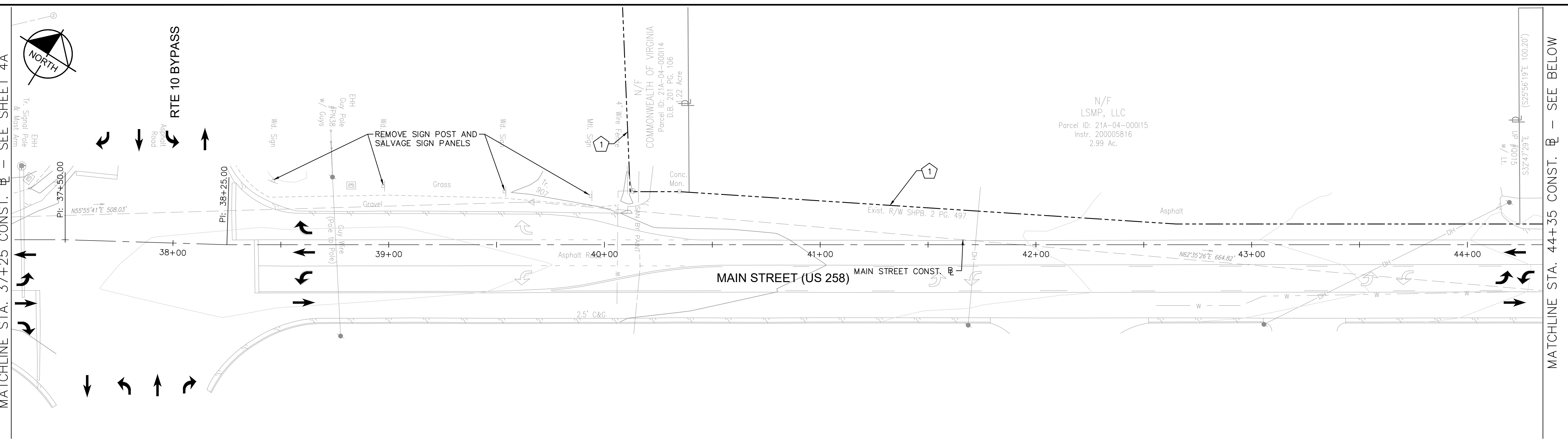
**SMITHFIELD SIDEWALK IMPROVEMENTS**  
 PREPARED FOR  
 ISLE OF WIGHT COUNTY

SMITHFIELD VIRGINIA

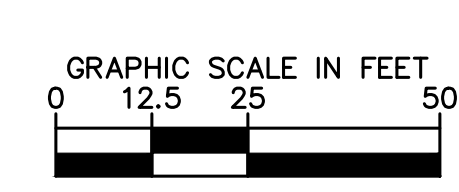
SHEET NUMBER  
**5**

No.	REVISIONS	DATE

Plotted By: Marquis, Caroline, Sheet: Set: SMITHFIELD SIDEWALK, Layout: 5A, August 02, 2023, 03:28:40pm, K:\VAB\_RDM\17032020 - Smithfield Sidewalk\Drawings\PlanSheets\DEMOLITION PLANS.dwg  
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**MATCHLINE STA. 37+25 CONST. E - SEE SHEET 4A**  
**MATCHLINE STA. 44+35 CONST. E - SEE ABOVE**



- LEGEND**
- ① - - - - - EXISTING RIGHT OF WAY LINE
  - ② - - - - - PROPOSED RIGHT OF WAY LINE
  - ③ - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT
  - ④ - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES
  - ⑤ - - - - - PROPOSED PERMANENT MAINTENANCE EASEMENT
  - ⑥ - - - - - PROPOSED PERMANENT DRAINAGE EASEMENT
  - ⑦ - - - - - PROPOSED PERMANENT UTILITY EASEMENT
  - ⑧ IP-A PROPOSED INLET PROTECTION TYPE A
  - ⑨ IP-B PROPOSED INLET PROTECTION TYPE B
  - ▨ DEMOLITION OF CONCRETE PAVEMENT (RIGID)
  - ▩ DEMOLITION OF ASPHALT PAVEMENT (FLEXIBLE)
  - ..... DEMOLITION OF CURB
  - ~~~~~ DEMOLITION SAWCUTTING
  - SF- PROPOSED TEMPORARY SILT FENCE TYPE A
  - TP- TP PROPOSED TREE PROTECTION



MATCHLINE STA. 44+35 CONST. E - SEE BELOW

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KHA PROJECT		117032020	
DATE		7/31/2023	
SCALE		AS SHOWN	
DESIGNED BY		MAM	
DRAWN BY		MAM	
CHECKED BY		APF	

Kimley-Horn and Associates, Inc.  
 Virginia Beach, Virginia  
 Roadway Engineer

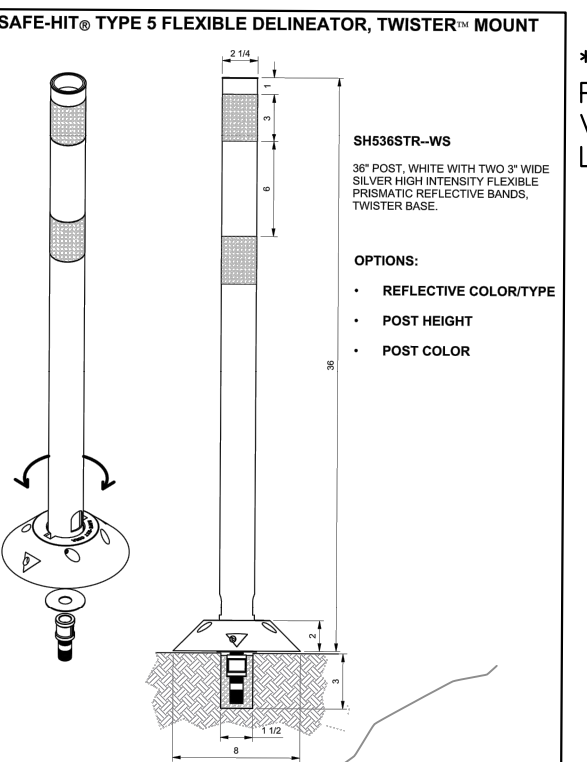
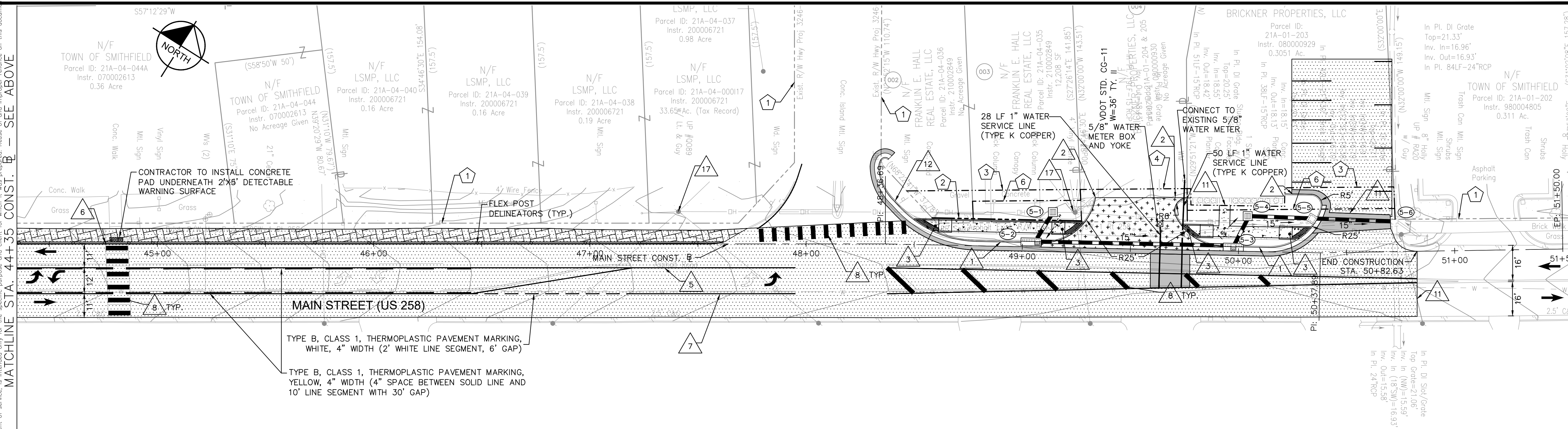
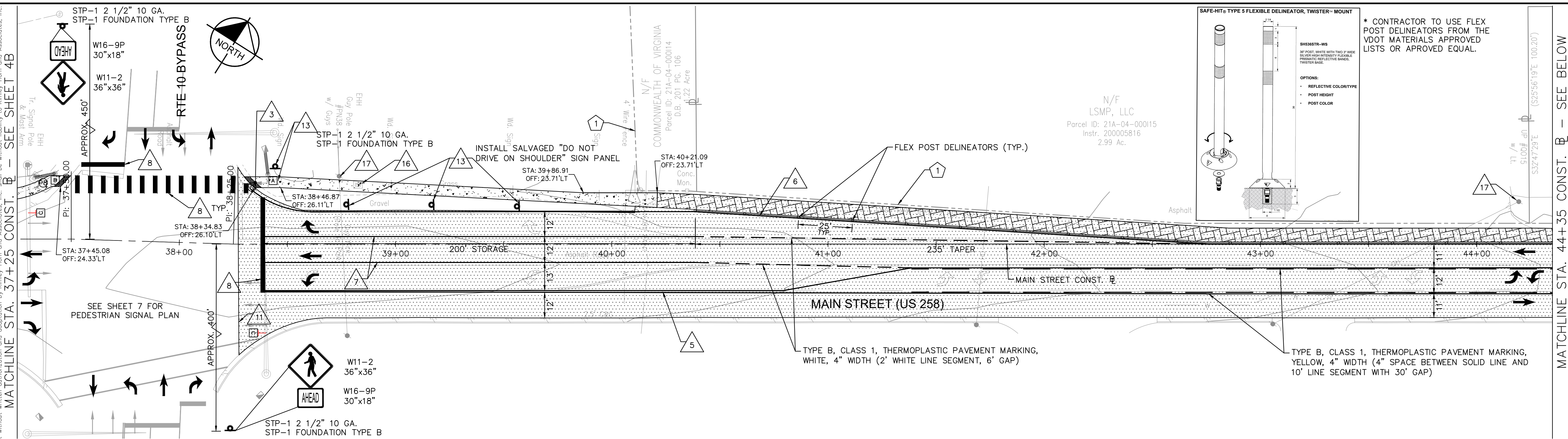
**DEMOLITION PLAN**  
**MAIN STREET (US 258)**  
**STA. 37+25 TO STA. 51+50**

**SMITHFIELD SIDEWALK IMPROVEMENTS**  
 PREPARED FOR  
**ISLE OF WIGHT COUNTY**  
 VIRGINIA

SHEET NUMBER  
**5A**

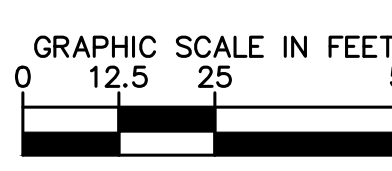


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\* CONTRACTOR TO USE FLEX POST DELINEATORS FROM THE VDOT MATERIALS APPROVED LISTS OR APPROVED EQUAL.

- LEGEND**
- |   |  |    |   |
|---|--|----|---|
| 1 | EXISTING RIGHT OF WAY LINE   | 11 | TIE TO EXIST. PAVEMENT                                      |
| 2 | PROPOSED RIGHT OF WAY LINE   | 12 | TIE TO EXIST. CURB/CURB & GUTTER                            |
| 3 | PROPOSED TEMPORARY CONSTRUCTION EASEMENT   | 13 | RELOCATE EXISTING SIGN PANELS TO PROPOSED SIGN POST         |
| 4 | PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES   | 14 | RELOCATE EXISTING UTILITY POLE (BY OTHERS)                  |
| 5 | PROPOSED PERMANENT MAINTENANCE EASEMENT  | 15 | REMOVE EXISTING LIGHT POLE, FOUNDATION, AND FIXTURE         |
| 6 | PROPOSED PERMANENT DRAINAGE EASEMENT   | 16 | PROTECT AND DO NOT DISTURB EXISTING UTILITY STRUCTURE       |
| 7 | PROPOSED PERMANENT UTILITY EASEMENT  | 17 | PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE & GUY WIRE |
| F | FILL LIMITS  | 18 | ADJUST UTILITY RIM TO GRADE                                 |
| C | CUT LIMITS   | 19 | REMOVE AND REPLACE EXISTING SIGN                            |
|   | GROUND MOUNT TRAFFIC CONTROL SIGN<br>SIGN POST: STP-1 2 1/2" 12 GA. (UNLESS OTHERWISE SPECIFIED)<br>FOUNDATION: STP-1 FOUNDATION TYPE A (UNLESS OTHERWISE SPECIFIED) | 20 | RELOCATE EXIST. FIRE HYDRANT                                |
- NOTES**
- PRIOR TO REMOVAL OF EXISTING FIRE HYDRANT ASSEMBLIES OR CONNECTION TO THE EXISTING WATER MAIN, THE CONTRACTOR SHALL CONFIRM THRUST RESTRAIN FOR EXISTING HYDRANT ASSEMBLY. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PERMANENT AND TEMPORARY THRUST RESTRAINT ON EXISTING AND PROPOSED MAINS (INCLUDING BUT NOT LIMITED TO TEMPORARY BUTTRISSING, CONCRETE THRUST COLLARS AND THRUST BLOCKS) AS NECESSARY TO COMPLETE THE WATER MAIN INSTALLATIONS AND TESTING. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.



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KHA PROJECT	117032020
DATE	7/31/2023
SCALE	AS SHOWN
DESIGNED BY	MAM
DRAWN BY	MAM
CHECKED BY	APF

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 Virginia Beach, Virginia  
 Roadway Engineer

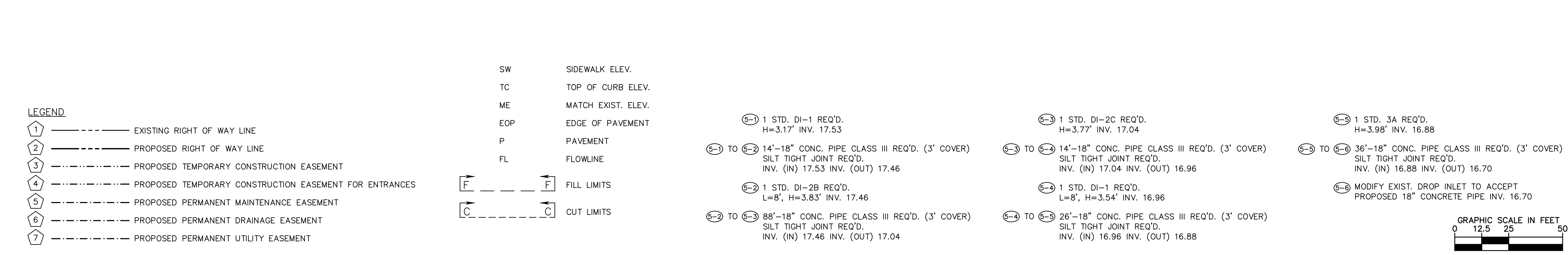
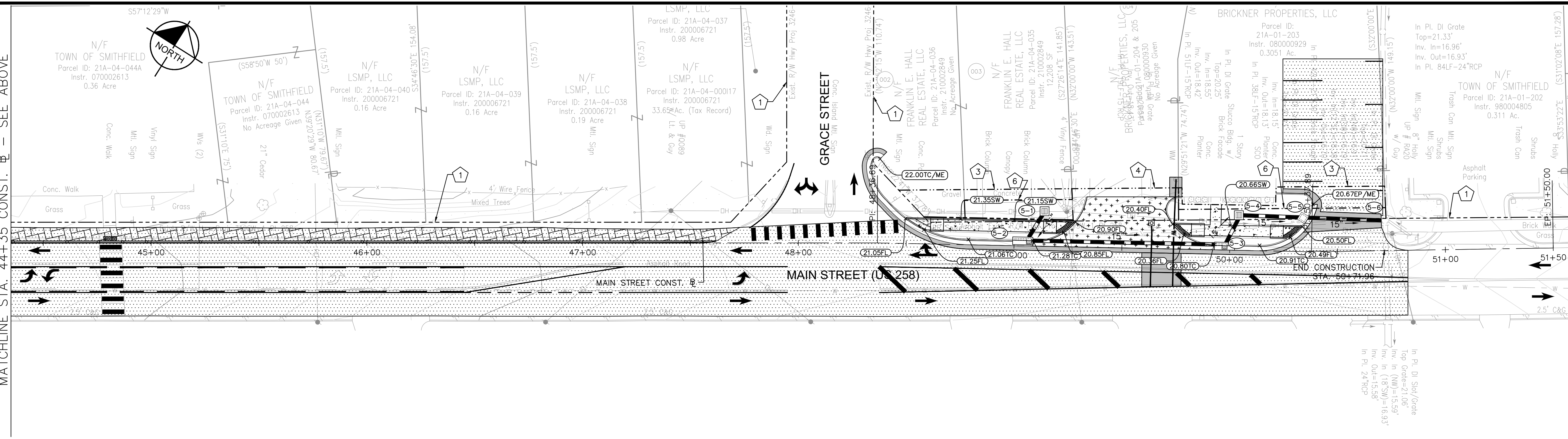
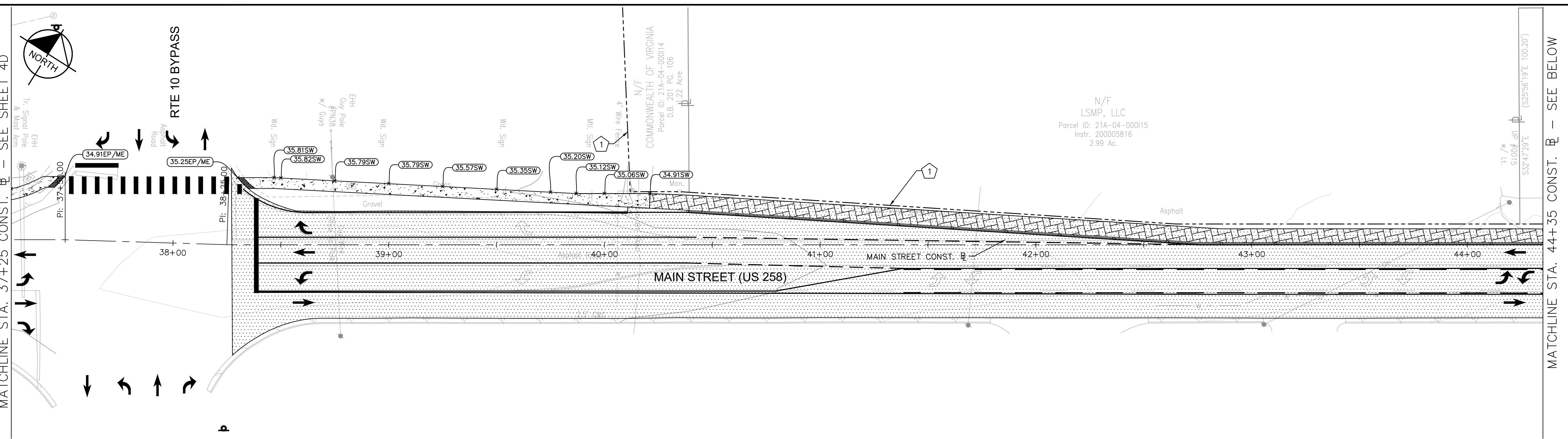
**ROADWAY PLAN**  
**MAIN STREET (US 258)**  
**STA. 37+25 TO STA. 51+50**

**SMITHFIELD SIDEWALK IMPROVEMENTS**  
 PREPARED FOR  
**ISLE OF WIGHT COUNTY**  
 VIRGINIA

SHEET NUMBER  
**5B**



Plotted By: Macquis, Caroline, Sheet: SMITHFIELD SIDEWALK Layout: 5B August 02, 2023 01:38:54pm K:\VAB\_RDW\117032020 - Smithfield Sidewalk\Design\PlanSheets\Grading and Drainage\_SHEET.dwg  
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**SMITHFIELD SIDEWALK IMPROVEMENTS PREPARED FOR ISLE OF WIGHT COUNTY VIRGINIA**

**GRADING AND DRAINAGE SHEET MAIN STREET (US 258) STA. 37+25 TO STA. 51+50**

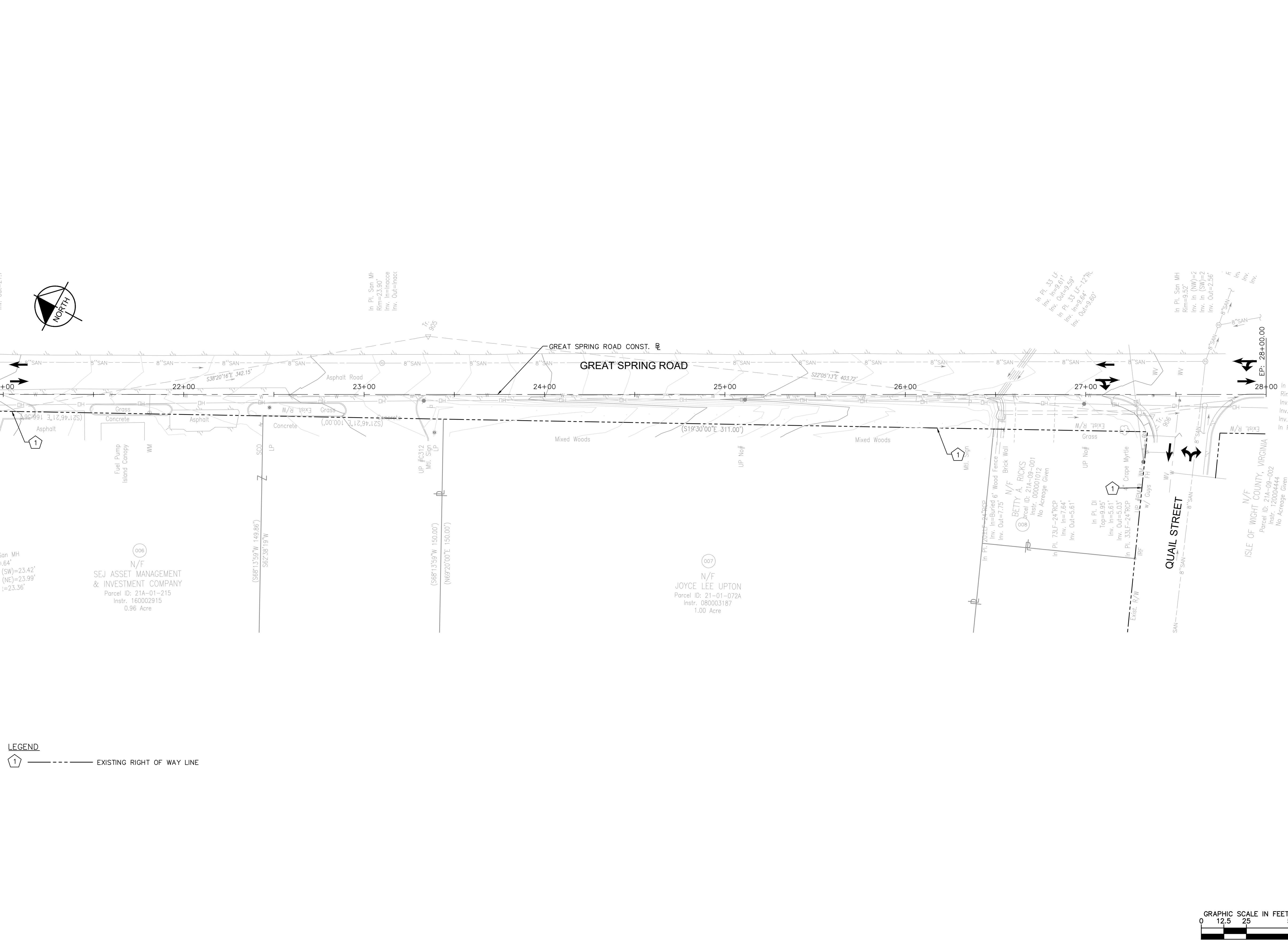
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DATE	7/31/2023
SCALE	AS SHOWN
DESIGNED BY	MAM
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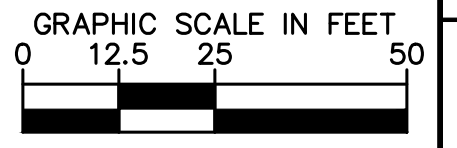
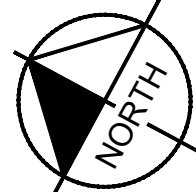
Kimley-Horn and Associates, Inc.  
 Virginia Beach, Virginia  
 Roadway Engineer

NO. REVISIONS DATE

MATCHLINE STA. 20+95 CONST. B — SEE SHEET 4



**LEGEND**  
 1 — EXISTING RIGHT OF WAY LINE



006  
 N/F  
 SEJ ASSET MANAGEMENT  
 & INVESTMENT COMPANY  
 Parcel ID: 21A-01-215  
 Instr. 160002915  
 0.96 Acre

007  
 N/F  
 JOYCE LEE UPTON  
 Parcel ID: 21-01-072A  
 Instr. 080003187  
 1.00 Acre

008  
 N/F  
 BETTY A. RICKS  
 Parcel ID: 21A-09-001  
 Instr. 000001012  
 No Acreage Given

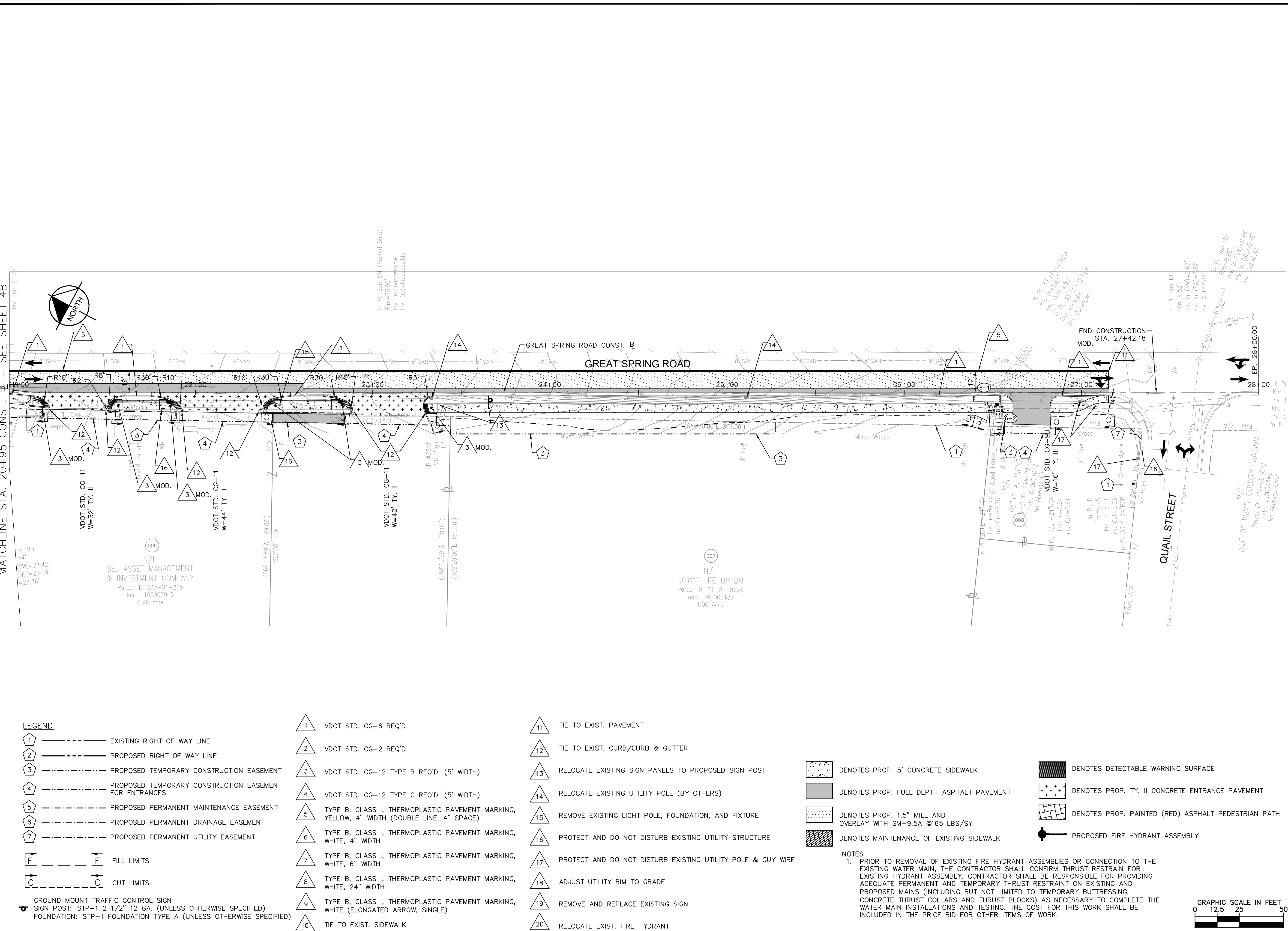
009  
 N/F  
 ISLE OF WIGHT COUNTY, VIRGINIA  
 Parcel ID: 21A-09-002  
 Instr. 120004744  
 No Acreage Given

SMITHFIELD SIDEWALK IMPROVEMENTS PREPARED FOR ISLE OF WIGHT COUNTY	VIRGINIA
	SHEET NUMBER <b>6</b>
<b>EXISTING CONDITIONS</b> GREAT SPRING ROAD STA. 20+95 TO STA. 28+00	
Kimley-Horn and Associates, Inc. Virginia Beach, Virginia Roadway Engineer	
KHA PROJECT 117032020	DATE 7/31/2023
SCALE AS SHOWN	DESIGNED BY MAM
DRAWN BY MAM	CHECKED BY APF
© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 4525 MAIN STREET, SUITE 1000, VIRGINIA BEACH, VA 23462 PHONE: 757-213-8600 WWW.KIMLEY-HORN.COM	
No.	REVISIONS
No.	DATE





Plotted By: Macquisia, Caroline, Sheet: SMITHFIELD SIDEWALK Layout: 6A August 02, 2023 01:39:24pm K:\VAB\_RDW\117032020 - Smithfield Sidewalk\Design\PlanSheets\PLAN SHEET.dwg  
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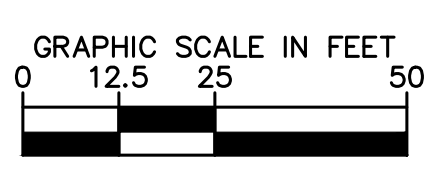
**LEGEND**

- 1 - - - - - EXISTING RIGHT OF WAY LINE
- 2 - - - - - PROPOSED RIGHT OF WAY LINE
- 3 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- 4 - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES
- 5 - - - - - PROPOSED PERMANENT MAINTENANCE EASEMENT
- 6 - - - - - PROPOSED PERMANENT DRAINAGE EASEMENT
- 7 - - - - - PROPOSED PERMANENT UTILITY EASEMENT
- F - - - - - FILL LIMITS
- C - - - - - CUT LIMITS
- GROUND MOUNT TRAFFIC CONTROL SIGN  
SIGN POST: STP-1 2 1/2" 12 GA. (UNLESS OTHERWISE SPECIFIED)  
FOUNDATION: STP-1 FOUNDATION TYPE A (UNLESS OTHERWISE SPECIFIED)

- 1 VDOT STD. CG-6 REQ'D.
- 2 VDOT STD. CG-2 REQ'D.
- 3 VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)
- 4 VDOT STD. CG-12 TYPE C REQ'D. (5' WIDTH)
- 5 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" WIDTH (DOUBLE LINE, 4" SPACE)
- 6 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" WIDTH
- 7 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" WIDTH
- 8 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE (ELONGATED ARROW, SINGLE)
- 9 TYPE B, CLASS I, THERMOPLASTIC PAVEMENT MARKING, WHITE (ELONGATED ARROW, SINGLE)
- 10 TIE TO EXIST. SIDEWALK
- 11 TIE TO EXIST. PAVEMENT
- 12 TIE TO EXIST. CURB/CURB & GUTTER
- 13 RELOCATE EXISTING SIGN PANELS TO PROPOSED SIGN POST
- 14 RELOCATE EXISTING UTILITY POLE (BY OTHERS)
- 15 REMOVE EXISTING LIGHT POLE, FOUNDATION, AND FIXTURE
- 16 PROTECT AND DO NOT DISTURB EXISTING UTILITY STRUCTURE
- 17 PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE & GUY WIRE
- 18 ADJUST UTILITY RIM TO GRADE
- 19 REMOVE AND REPLACE EXISTING SIGN
- 20 RELOCATE EXIST. FIRE HYDRANT

- [Pattern] DENOTES PROP. 5' CONCRETE SIDEWALK
- [Pattern] DENOTES PROP. FULL DEPTH ASPHALT PAVEMENT
- [Pattern] DENOTES PROP. 1.5" MILL AND OVERLAY WITH SM-9.5A @165 LBS/SY
- [Pattern] DENOTES MAINTENANCE OF EXISTING SIDEWALK
- [Pattern] DENOTES DETECTABLE WARNING SURFACE
- [Pattern] DENOTES PROP. TY. II CONCRETE ENTRANCE PAVEMENT
- [Pattern] DENOTES PROP. PAINTED (RED) ASPHALT PEDESTRIAN PATH
- [Symbol] PROPOSED FIRE HYDRANT ASSEMBLY

**NOTES**  
 1. PRIOR TO REMOVAL OF EXISTING FIRE HYDRANT ASSEMBLIES OR CONNECTION TO THE EXISTING WATER MAIN, THE CONTRACTOR SHALL CONFIRM THRUST RESTRAIN FOR EXISTING HYDRANT ASSEMBLY. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PERMANENT AND TEMPORARY THRUST RESTRAINT ON EXISTING AND PROPOSED MAINS (INCLUDING BUT NOT LIMITED TO TEMPORARY BUTTRESSING, CONCRETE THRUST COLLARS AND THRUST BLOCKS) AS NECESSARY TO COMPLETE THE WATER MAIN INSTALLATIONS AND TESTING. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.



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 Virginia Beach, Virginia  
 Roadway Engineer

KHA PROJECT	117032020
DATE	7/31/2023
SCALE	AS SHOWN
DESIGNED BY	MAM
DRAWN BY	MAM
CHECKED BY	APF

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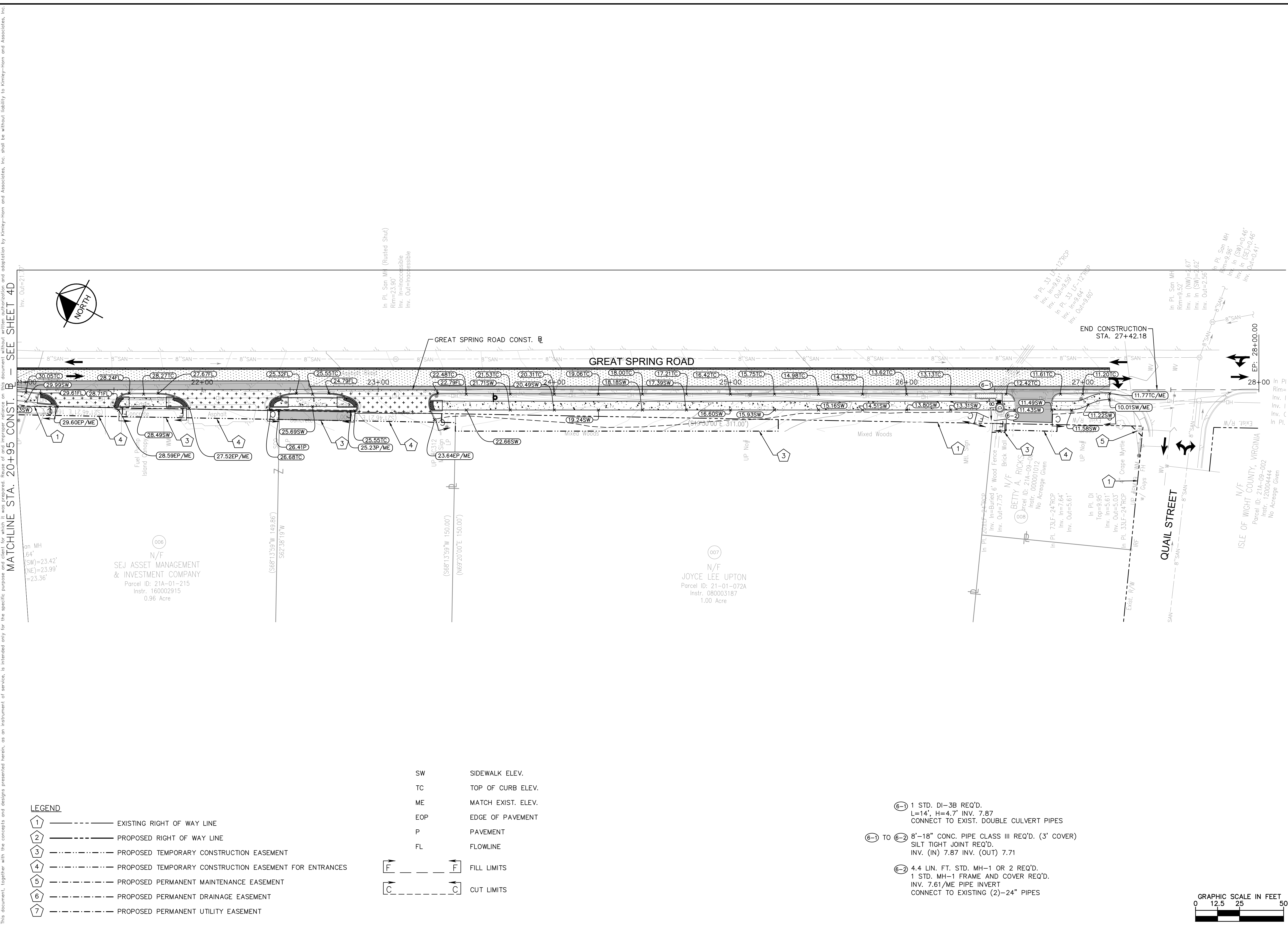
**ROADWAY PLAN**  
**GREAT SPRING ROAD**  
**STA. 20+95 TO STA. 28+00**

---

**SMITHFIELD SIDEWALK IMPROVEMENTS**  
 PREPARED FOR  
**ISLE OF WIGHT COUNTY**  
 VIRGINIA

SHEET NUMBER  
**6B**

Plotted By: Macquis, Caroline, Sheet: SMITHFIELD SIDEWALK Layout: 6B August 02, 2023 01:39:51pm K:\VAB\_BDW\117032020 - Smithfield SideWalk\Grading and Drainage\Grading and Drainage SHEET.dwg  
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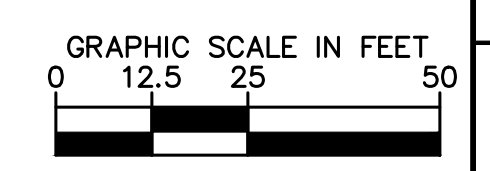
MATCHLINE STA. 20+95 CONST. B SEE SHEET 4D

**LEGEND**

- ① - - - - - EXISTING RIGHT OF WAY LINE
- ② - - - - - PROPOSED RIGHT OF WAY LINE
- ③ - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT
- ④ - - - - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT FOR ENTRANCES
- ⑤ - - - - - PROPOSED PERMANENT MAINTENANCE EASEMENT
- ⑥ - - - - - PROPOSED PERMANENT DRAINAGE EASEMENT
- ⑦ - - - - - PROPOSED PERMANENT UTILITY EASEMENT

- SW SIDEWALK ELEV.
- TC TOP OF CURB ELEV.
- ME MATCH EXIST. ELEV.
- EOP EDGE OF PAVEMENT
- P PAVEMENT
- FL FLOWLINE
- F FILL LIMITS
- C CUT LIMITS

- ⑥-1 1 STD. DI-3B REQ'D.  
L=14', H=4.7' INV. 7.87  
CONNECT TO EXIST. DOUBLE CULVERT PIPES
- ⑥-2 TO ⑥-2 8"-18" CONC. PIPE CLASS III REQ'D. (3' COVER)  
SILT TIGHT JOINT REQ'D.  
INV. (IN) 7.87 INV. (OUT) 7.71
- ⑥-2 4.4 LIN. FT. STD. MH-1 OR 2 REQ'D.  
1 STD. MH-1 FRAME AND COVER REQ'D.  
INV. 7.61/ME PIPE INVERT  
CONNECT TO EXISTING (2)-24" PIPES



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Kimley-Horn and Associates, Inc.  
 Virginia Beach, Virginia  
 Roadway Engineer

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KHA PROJECT	117032020
DATE	7/31/2023
SCALE	AS SHOWN
DESIGNED BY	MAM
DRAWN BY	MAM
CHECKED BY	APF

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**GRADING AND DRAINAGE PLAN**  
**GREAT SPRING ROAD**  
**STA. 20+95 TO STA. 28+00**

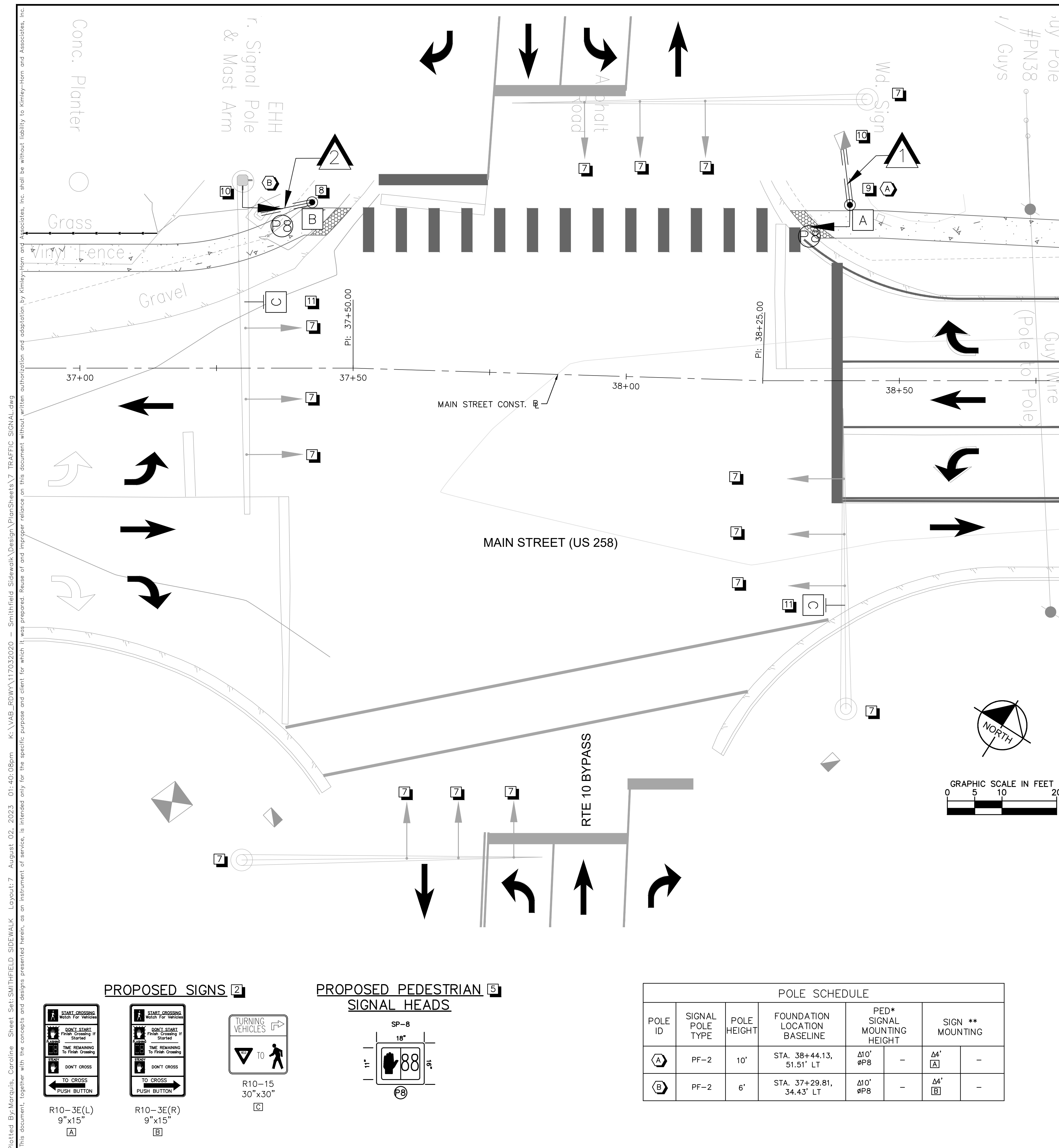
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**SMITHFIELD SIDEWALK IMPROVEMENTS**  
 PREPARED FOR  
**ISLE OF WIGHT COUNTY**  
 VIRGINIA

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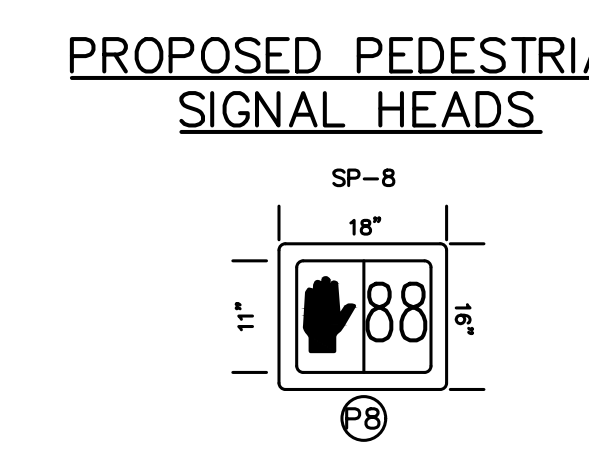
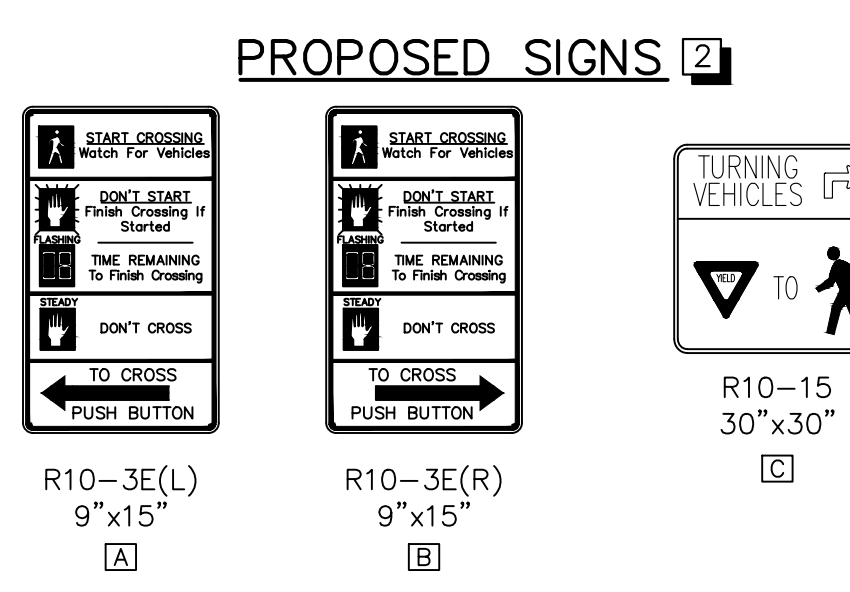
SHEET NUMBER  
**6D**





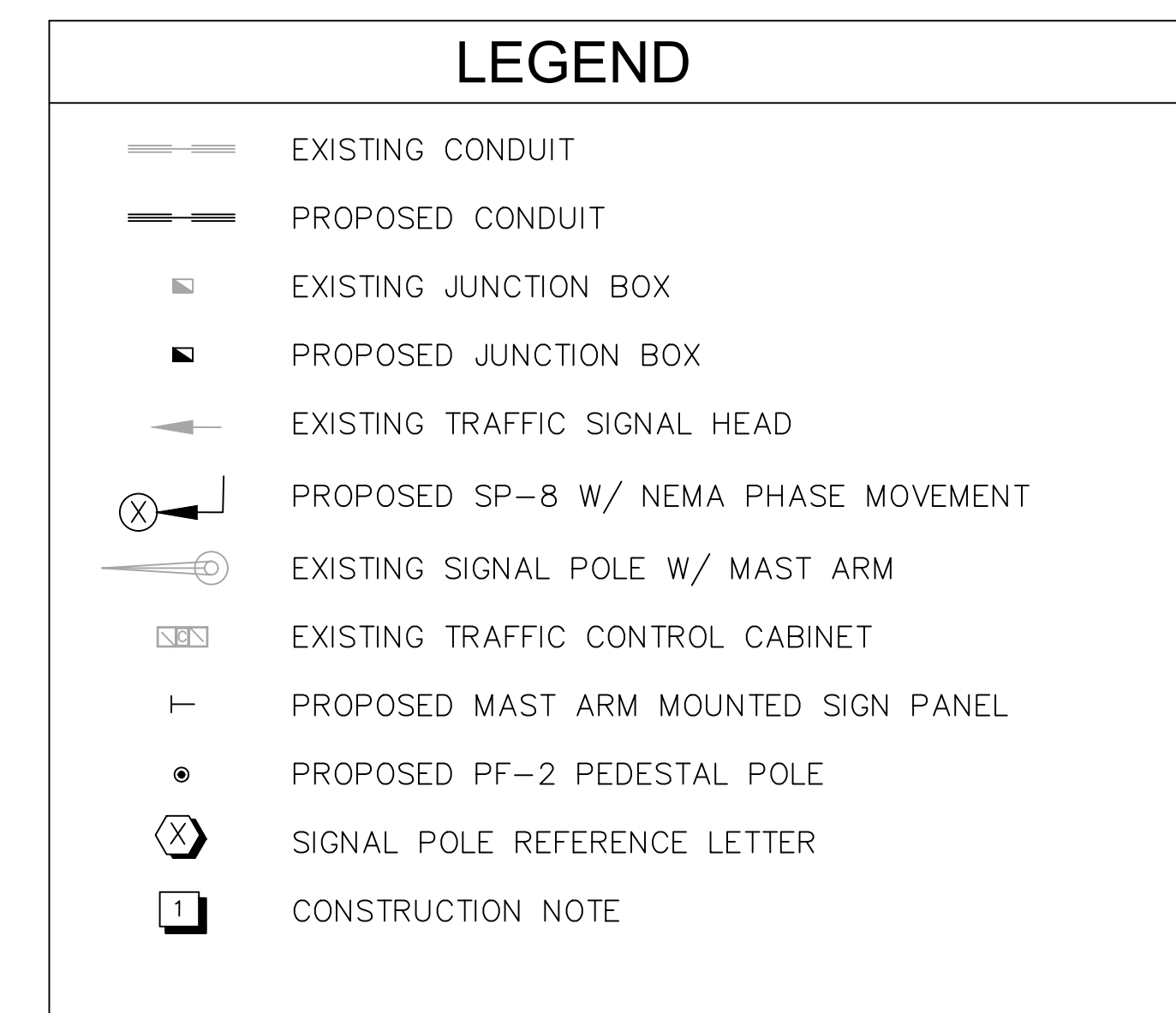
- ### CONSTRUCTION NOTES
- CONTRACTOR SHALL MAINTAIN EXISTING SIGNAL OPERATIONS DURING CONSTRUCTION.
  - CONTRACTOR SHALL INSTALL PEDESTRIAN PUSH BUTTONS AND PEDESTRIAN SIGNS [A] AND [B] IN ACCORDANCE WITH MUTCD STANDARDS AND AS PRESCRIBED IN THE POLE SCHEDULE. CONTRACTOR SHALL COORDINATE WITH VDOT FOR PROPER ALIGNMENT OF THE SIGNS. CONTRACTOR SHALL COORDINATE WITH VDOT FOR PEDESTRIAN PHASE TIMINGS.
  - SHOULD CONFLICTS WITH OVERHEAD AND UNDERGROUND UTILITIES ARISE DURING CONSTRUCTION, CONTRACTOR SHALL IMMEDIATELY CONTACT VDOT FOR RESOLUTION PRIOR TO PROCEEDING WITH FURTHER WORK.
  - ANY ALTERATION FROM POLE LOCATIONS SHOWN ON THESE PLANS SHALL REQUIRE PRIOR WRITTEN APPROVAL BY VDOT. THE COST OF SURVEY AND STAKING SHALL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO LIKE ITEMS.
  - COORDINATE WITH VDOT FOR FINAL PEDESTRIAN HEAD PLACEMENT AND ALIGNMENT AND ADJUST THE MOUNTING POSITION AS DIRECTED.
  - ALL EXISTING AND PROPOSED CONDUCTORS SHALL BE CONTINUOUS (NO SPLICES) BETWEEN THE TRAFFIC SIGNAL CABINET AND PROPOSED SIGNAL HEADS AND PUSH BUTTONS.
  - APPROXIMATE LOCATION OF EXISTING TRAFFIC SIGNAL POLE, MAST ARM, EQUIPMENT, ETC. BASED ON AERIAL IMAGERY. CONTRACTOR SHALL CONTACT VDOT IF FIELD LOCATION OF ITEMS VARIES SIGNIFICANTLY FROM THE PLANS.
  - CONTRACTOR TO INSTALL 6' PEDESTAL POLE WITH PROPOSED PUSH BUTTON.
  - CONTRACTOR TO INSTALL 10' PEDESTAL POLE WITH PROPOSED PUSH BUTTON AND SP-8.
  - CONTRACTOR TO DETERMINE PATH OF EXISTING CONDUIT AND CONNECT PROPOSED CABLES THROUGH EXISTING JUNCTION BOX AND BACK TO SIGNAL CABINET.
  - INSTALL PROPOSED SIGHT [C] AT LEAST 3' FROM THE EXISTING SIGNAL HEAD.

- ### CONDUIT AND CONDUCTOR SCHEDULE
- 1 - 2" SCH. 40 PVC (TRENCHED)
    - 1 - 14/3C FOR PUSH BUTTON P8
    - 1 - 14/5C FOR PED HEADS P8
    - 1 - #8 EGC FOR GROUNDING
  - 2 - 2" SCH. 40 PVC (TRENCHED)
    - 1 - 14/3C FOR PUSH BUTTON P8
    - 1 - #8 EGC FOR GROUNDING



### POLE SCHEDULE

POLE ID	SIGNAL POLE TYPE	POLE HEIGHT	FOUNDATION LOCATION BASELINE	PED* SIGNAL MOUNTING HEIGHT	SIGN ** MOUNTING
[A]	PF-2	10'	STA. 38+44.13, 51.51' LT	Δ10' ØP8	Δ4' [A]
[B]	PF-2	6'	STA. 37+29.81, 34.43' LT	Δ10' ØP8	Δ4' [B]

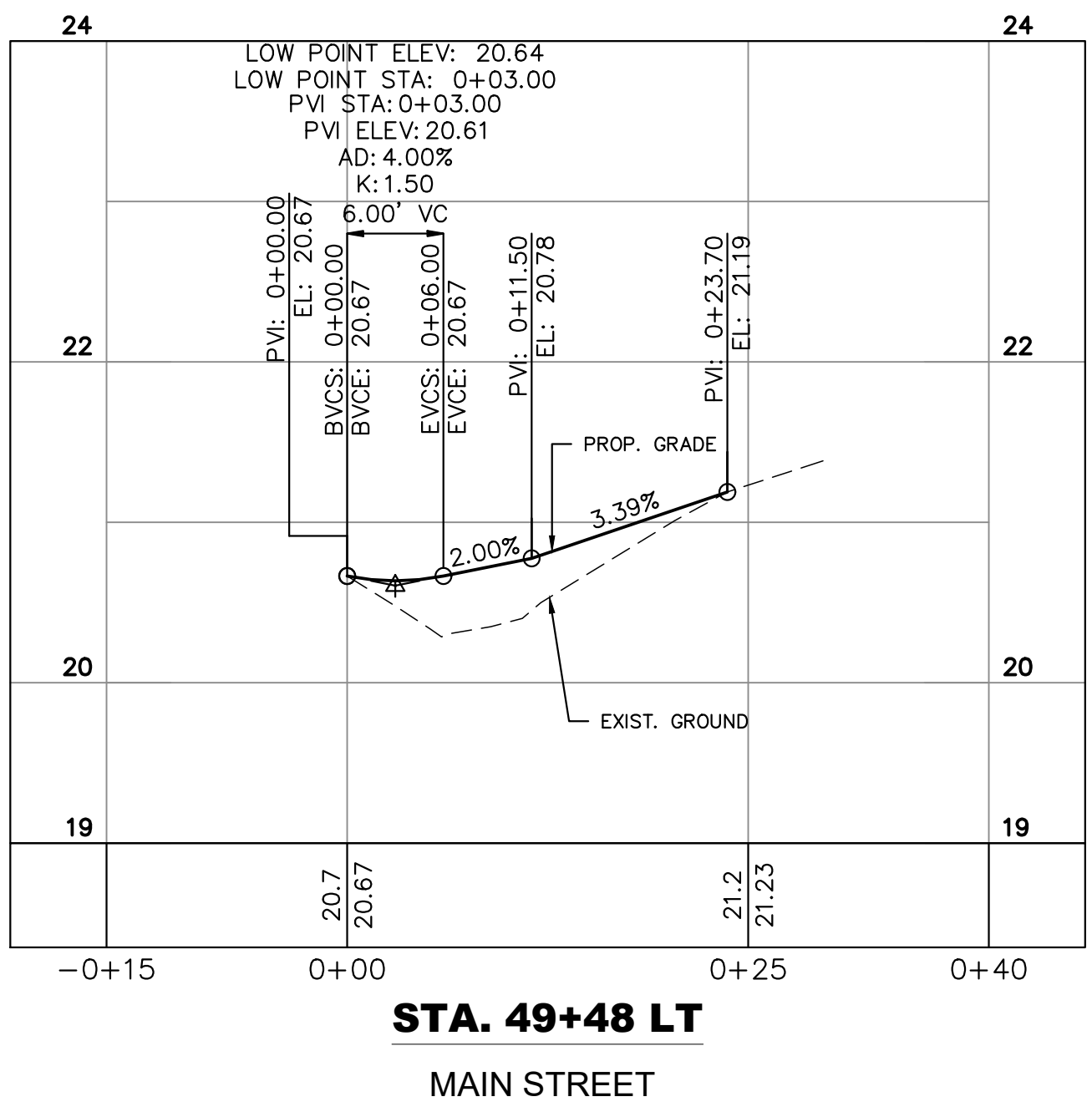


Plotted By: Macaulis, Caroline. Sheet: SMITHFIELD SIDEWALK Layout: 7 August 02, 2023 01:40:08pm. K:\VAB\_RDWY\117032020 - Smithfield Sidewalk Design\PlanSheets\7 TRAFFIC SIGNAL.dwg  
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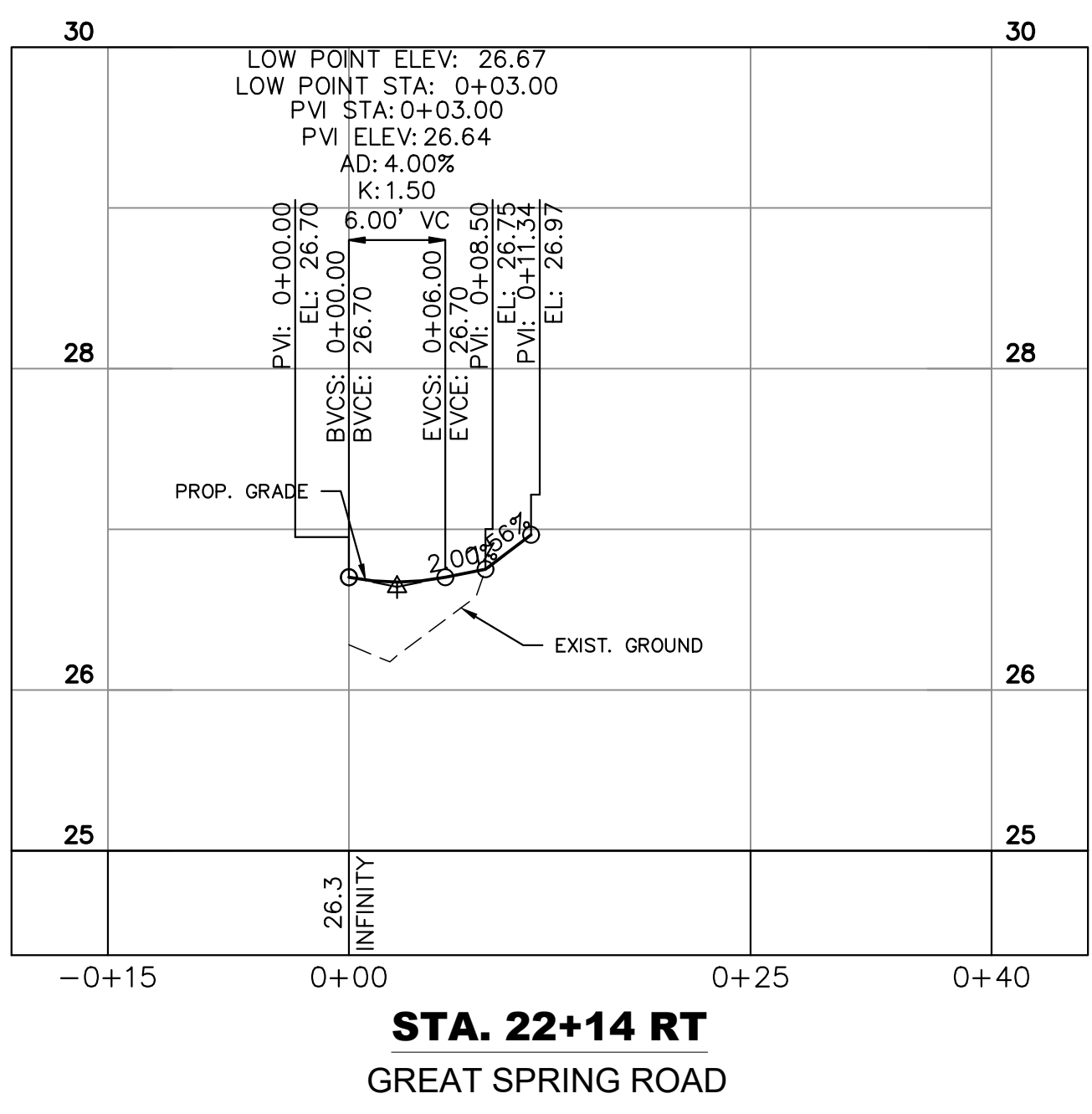
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 PHONE: 757-213-8600  
 WWW.KIMLEY-HORN.COM

KHA PROJECT 117032020	DATE 7/31/2023	SCALE AS SHOWN MAM	DESIGNED BY MAM	DRAWN BY MAM	CHECKED BY APF
Kimley-Horn and Associates, Inc. Virginia Beach, Virginia Roadway Engineer					
PEDESTRIAN SIGNAL PLAN					
SMITHFIELD SIDEWALK IMPROVEMENTS PREPARED FOR ISLE OF WIGHT COUNTY			VIRGINIA		
SHEET NUMBER <b>7</b>					

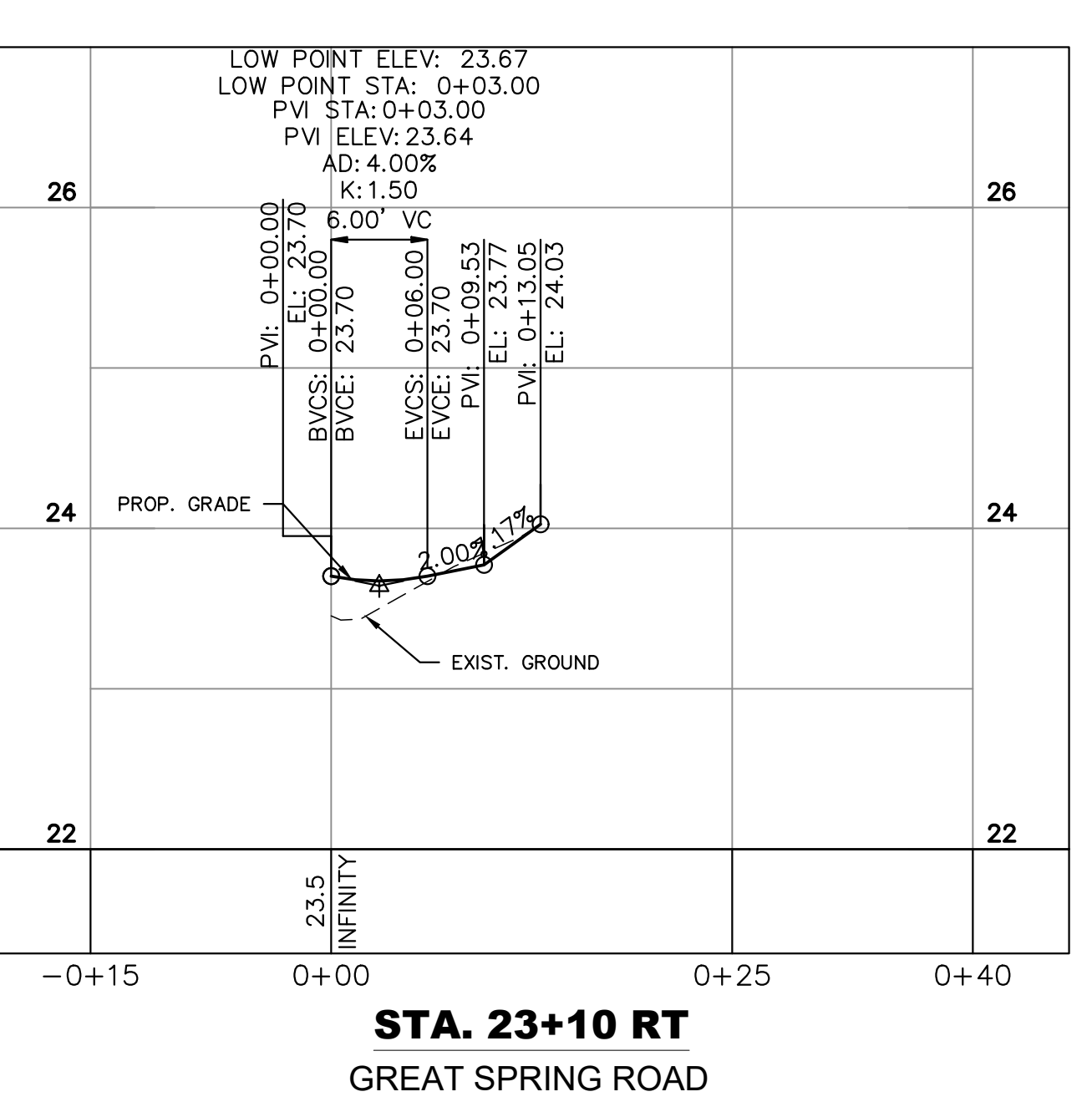
Plotted By: Marquis, Caroline. Sheet: STA: SMITHFIELD SIDEWALK Layout: 8 August 02, 2023 01:40:21pm K:\VAB\_RDW\117032020 - Smithfield Sidewalk Design\PlanSheets\ENTRANCE PROFILES.dwg  
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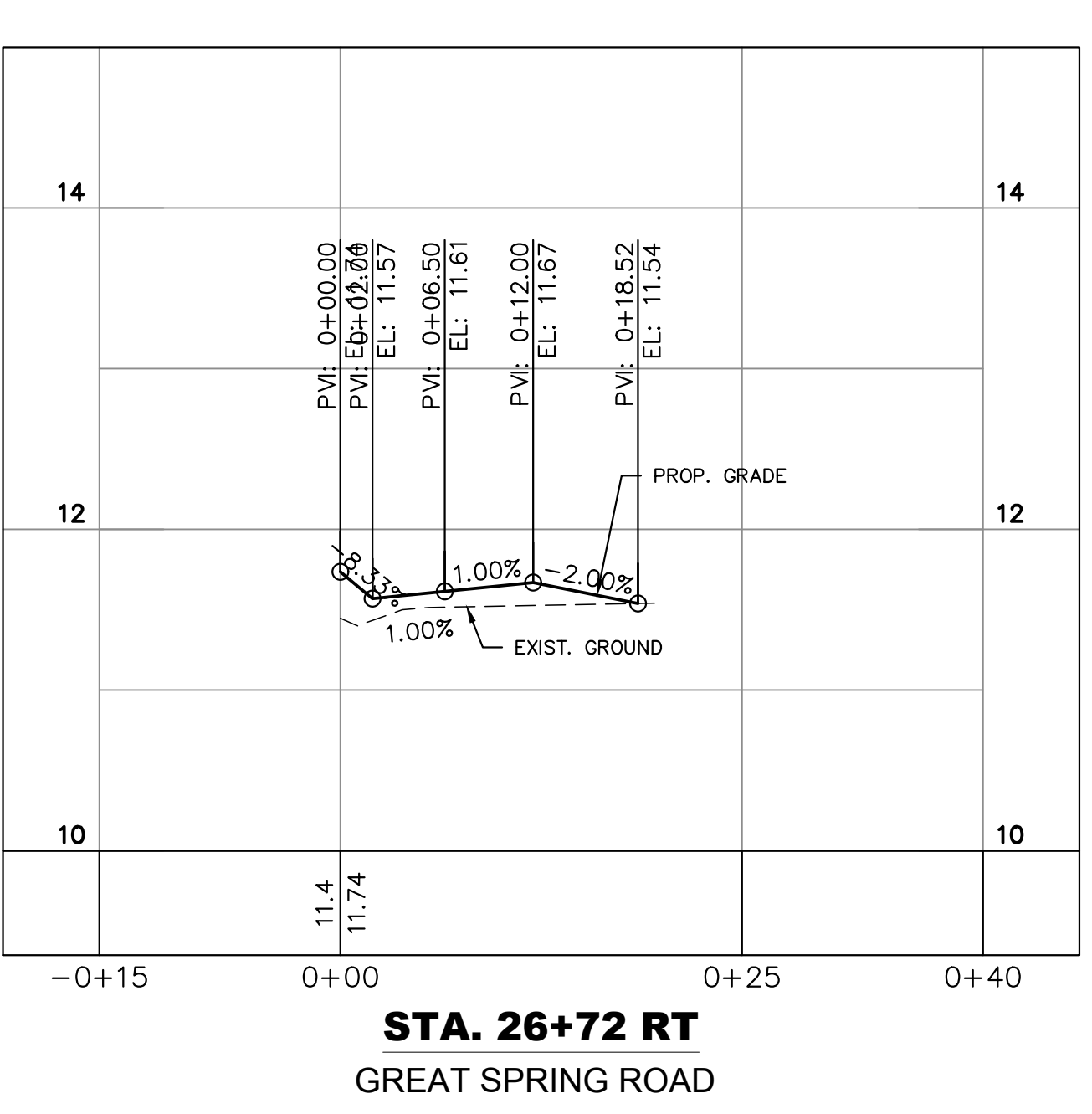
**STA. 49+48 LT**  
MAIN STREET



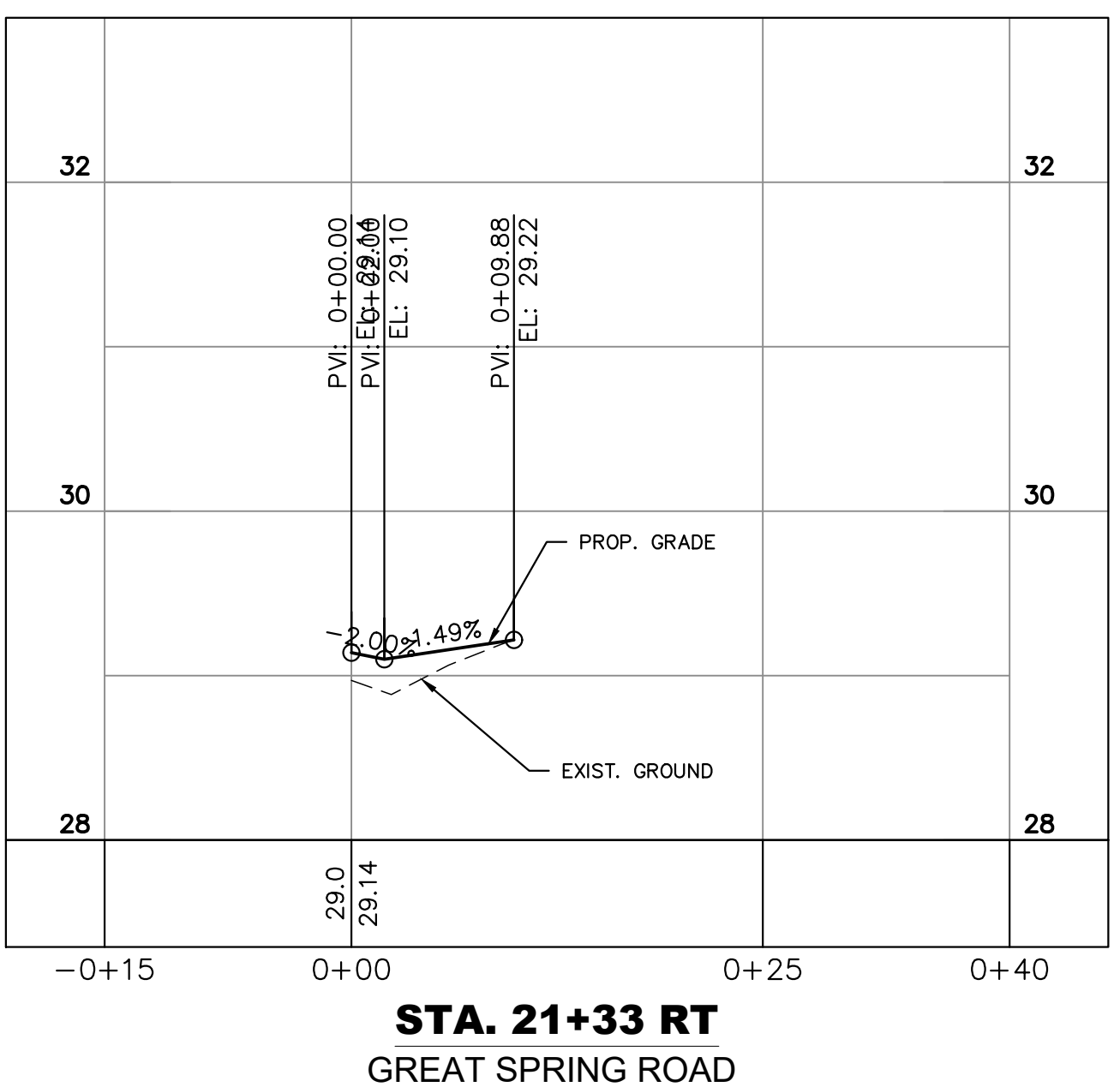
**STA. 22+14 RT**  
GREAT SPRING ROAD



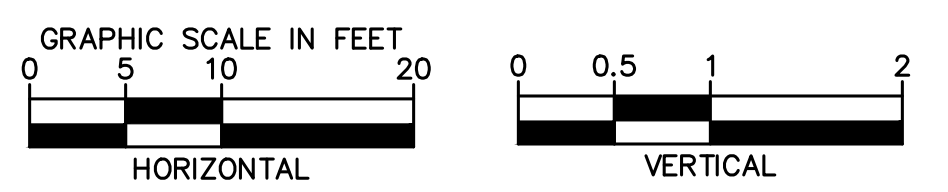
**STA. 23+10 RT**  
GREAT SPRING ROAD



**STA. 26+72 RT**  
GREAT SPRING ROAD



**STA. 21+33 RT**  
GREAT SPRING ROAD



No.	REVISIONS	DATE

**Kimley»Horn**  
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KHA PROJECT	117032020
DATE	7/31/2023
SCALE	AS SHOWN
DESIGNED BY	MAM
DRAWN BY	MAM
CHECKED BY	APF

**ENTRANCE PROFILES**

SMITHFIELD SIDEWALK  
 IMPROVEMENTS  
 PREPARED FOR  
 ISLE OF WIGHT COUNTY  
 VIRGINIA  
 SMITHFIELD