FUNCTIONAL CLASSIFICATION
US 258 (MAIN STREET) – MINOR ARTERIAL
FROM: 0.89 MI EAST OF SR 709
TO: 0.09 MI WEST OF SR 10 BYPASS

FHWA ##: ##

COMMONWEALTH OF VIRGINIA

PLAN STATUS		
DATE	INITIAL	DESCRIPTION
12/22/23	APF	30% DESIGN SUBMISSION

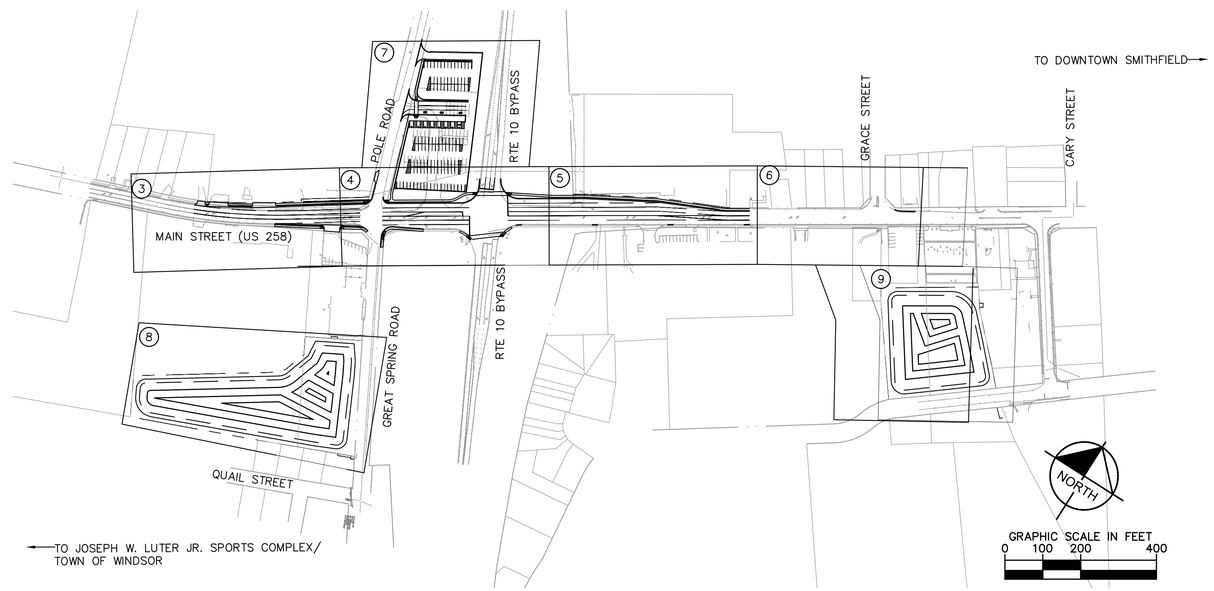
ISLE OF WIGHT COUNTY
US 258 AT ROUTE 10 BYPASS INTERSECTION IMPROVEMENTS

SMITHFIELD, VA

UPC #120650

0258-046-740

THESE PLANS ARE UNFINISHED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION



TOWN OF SMITHFIELD POPULATION 8,867 (2022 CENSUS)

PROJECT LENGTH: 0.36 MI

THIS PROJECT WAS DESIGNED UTILIZING AUTOCAD CIVIL 3D 2022 DESIGN SOFTWARE. UPC NO. (120650)

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

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, 2009 MUTCD WITH REV. 1+2 (2012), 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL WITH REV. #2 (9/1/2019) AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, IS 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.

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ENGINEER:
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SUITE 1000
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TEL. (757) 213-8600

CONTACT: ANDREW FARTHING, P.E.

811 Know what's below. Call before you dig.

TIER 1 PROJECT
LOCALLY ADMINISTERED PROJECTS

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
ISLE OF WIGHT COUNTY	
NAME OF LOCALITY	
DATE	RANDY R. KEATON, COUNTY ADMINISTATOR
DATE	JAMIE L. OLIVER, TRANSPORTATION MANAGER

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT ENGINEER/ADMINISTRATOR

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER

APPROVED FOR CONSTRUCTION	
DATE	DISTRICT ENGINEER/ADMINISTRATOR

No.	REVISIONS	DATE

Kimley»Horn

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

TITLE SHEET

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
1

Plotted By: Wanssaun, Drew Sheet: US 258 at Rt 10 TITLE SHEET Saved: 12/22/2023 9:18 AM By: DWANSSAUN Project: C:\PW\Kimley-Horn\Virginia DOT - Project\117032035\Plan Sheets\05 - Design\CADD\PlanSheets\TITLE SHEET.dwg
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1B	ALIGNMENT DATA SHEET	
1C	RIGHT OF WAY DATA	
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2A	TYPICAL SECTIONS	
2B	TYPICAL SECTIONS	
2C	TYPICAL SECTIONS	
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3A	ROADWAY PLAN	STA. 100+00.00 TO STA. 104+75.00
3B	ROADWAY PROFILE	STA. 100+00.00 TO STA. 104+75.00
4	EXISTING CONDITIONS	STA. 104+75.00 TO STA. 110+25.00
4A	ROADWAY PLAN	STA. 104+75.00 TO STA. 110+25.00
4B	ROADWAY PROFILE	STA. 104+75.00 TO STA. 110+25.00
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5A	ROADWAY PLAN	STA. 110+25.00 TO STA. 115+75.00
5B	ROADWAY PROFILE	STA. 110+25.00 TO STA. 115+75.00
6	EXISTING CONDITIONS	STA. 115+75.00 TO STA. 121+23.18
6A	ROADWAY PLAN	STA. 115+75.00 TO STA. 121+23.18
7	EXISTING CONDITIONS	STA. 208+25.00 TO STA. 211+59.06
7A	PARK AND RIDE PLAN	STA. 208+25.00 TO STA. 211+59.06
8	EXISTING CONDITIONS	
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XS-10	CROSS SECTIONS STA. 113+50 TO STA. 114+75	
XS-11	CROSS SECTIONS STA. 115+00 TO STA. 116+25	

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Roadway Engineer

KHA PROJECT 117032035
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SHEET INDEX

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
1A

Plotted By:Monsour, Drew Sheet Set:Kha Layout:1A SHEET INDEX January 03, 2024 12:06:59pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\1 TITLE SHEET.dwg
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ALIGNMENT MAIN STREET BL LAYOUT DATA

NO.	BEGIN STATION	BEGIN NORTHING	BEGIN EASTING	LENGTH	END STATION	END NORTHING	END EASTING	TANGENT BEARING	CHORD BEARING	CHORD LENGTH	PI STATION	DELTA	TANGENT	RADIUS	D
C100	100+00.00	3520233.0962	12025260.7587	349.25'	103+49.25	3520392.9427	12025570.3303	N/A	N62° 41' 25.96"E	348.40'	101+75.48	Δ 13.8585	175.48	1444	3.9688
L100	103+49.25	3520392.9427	12025570.3303	127.93'	104+77.18	3520464.9206	12025676.0889	N55° 45' 40.73"E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C101	104+77.18	3520464.9206	12025676.0889	188.44'	106+65.62	3520568.7198	12025833.3575	N/A	N56° 34' 28.90"E	188.43'	105+71.41	Δ 1.6268	94.23	6637	0.8633
L101	106+65.62	3520568.7198	12025833.3575	1150.29'	118+15.92	3521188.6658	12026802.2958	N57° 23' 17.08"E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C102	118+15.92	3521188.6658	12026802.2958	294.90'	121+10.82	3521342.3214	12027053.9744	N/A	N58° 35' 41.87"E	294.88'	119+63.39	Δ 2.4138	147.47	7000	0.8185
C103	121+10.82	3521342.3214	12027053.9744	161.90'	122+72.72	3521427.4922	12027191.6399	N/A	N58° 15' 20.89"E	161.88'	121+91.79	Δ 3.0921	80.97	3000	1.9099
L102	122+72.72	3521427.4922	12027191.6399	101.04'	123+73.75	3521482.9489	12027276.0960	N56° 42' 35.11"E	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ALIGNMENT VA 10 BL LAYOUT DATA

NO.	BEGIN STATION	BEGIN NORTHING	BEGIN EASTING	LENGTH	END STATION	END NORTHING	END EASTING	TANGENT BEARING	CHORD BEARING	CHORD LENGTH	PI STATION	DELTA	TANGENT	RADIUS	D
L200	200+00.00	3520056.1293	12026312.1675	398.58'	203+98.58	3520414.2537	12026137.1991	N26° 02' 19.27"W	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C200	203+98.58	3520414.2537	12026137.1991	85.13'	204+83.71	3520490.5823	12026099.5041	N/A	N26° 16' 57.23"W	85.13'	204+41.15	Δ 0.4878	42.56	10000	0.5730
C201	204+83.71	3520490.5823	12026099.5041	86.95'	205+70.67	3520568.5512	12026061.0078	N/A	N26° 16' 38.40"W	86.95'	205+27.19	Δ 0.4982	43.48	10000	0.5730
L201	205+70.67	3520568.5512	12026061.0078	152.90'	207+23.56	3520705.9401	12025993.9150	N26° 01' 41.62"W	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C202	207+23.56	3520705.9401	12025993.9150	265.59'	209+89.15	3520941.2502	12025870.8279	N/A	N27° 36' 48.11"W	265.56'	208+56.39	Δ 3.1703	132.83	4800	1.1937
C203	209+89.15	3520941.2502	12025870.8279	197.21'	211+86.36	3521115.3271	12025778.1857	N/A	N28° 01' 17.42"W	197.19'	210+87.77	Δ 2.3540	98.62	4800	1.1937
L202	211+86.36	3521115.3271	12025778.1857	113.64'	213+00.00	3521216.7196	12025726.8698	N26° 50' 40.23"W	N/A	N/A	N/A	N/A	N/A	N/A	N/A

No.	REVISIONS	DATE

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Roadway Engineer

KHA PROJECT 117032035
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ALIGNMENT DATA SHEET

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
1B

Plotted By:Monsour, Drew Sheet Set:Kha Layout:1B January 03, 2024 12:07:08pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\1B ALIGNMENT DATA.dwg
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PARCEL NO.	LANDOWNER	SHEET NO.	TOTAL													
			TOTAL		FEE TAKING	FEE TAKING	EASEMENTS									
							PERM. UTILITY	PERM. UTILITY	PERM. DRAINAGE	PERM. DRAINAGE	PERM. MAINT.	PERM. MAINT.	TEMP. ENTRANCE	TEMP. ENTRANCE	TEMP. CONST.	TEMP. CONST.
			SF	ACRES	SF	ACRES	SF	ACRES	SF	ACRES	SF	ACRES	SF	ACRES	SF	ACRES
001	NEW DAY LAND LLC	3,4	815,443	18.720	2,637	0.061	0	0.000	0	0.000	0	0.000	0	0.000	1,159	0.027
002	JOYCE LEE MORGAN	3,8	230,432	5.290	70,014	1.607	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
003	LSMP LLC	5	130,244	2.990	8,676	0.199	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
004	JOYCE LEE MORGAN	8	43,560	1.000	43,560	1.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
005	SEJ ASSET MANAGEMENT & INVESTMENT COMPANY	3,4,8	42,078	0.966	0	0.000	0	0.000	84	0.002	0	0.000	0	0.000	0	0.000
006	BETTY A. RICKS	8	80,742	1.854	0	0.000	0	0.000	80	0.002	0	0.000	0	0.000	180	0.004
007	RAYMOND SEABORN	9	38,333	0.880	33,534	0.770	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
008	TOWN OF SMITHFIELD	9	43,996	1.010	42,586	0.978	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
009	ERIC A. STEVENSON	9	31,799	0.730	0	0.000	0	0.000	114	0.003	0	0.000	0	0.000	0	0.000
010	TOWN OF SMITHFIELD	9	17,352	0.398	0	0.000	0	0.000	192	0.004	0	0.000	0	0.000	0	0.000
Total					**201,007**	**4.6**	**0.000**	**0.000**	**469**	**0.01**	**0.000**	**0.000**	**0.000**	**0.000**	**1,339**	**0.03**

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RIGHT OF WAY DATA

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
1C

Plotted By:Monsour, Drew Sheet Set:Kha Layout:1C RIGHT OF WAY DATA January 03, 2024 12:07:13pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\1C RIGHT OF WAY DATA.dwg
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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.

MAIN STREET & ROUTE 10 INTERSECTION
ISLE OF WIGHT COUNTY, VIRGINIA

SCALE: 1" = 25'

PMI PROJECT #23070

SURVEY NOTES:

1. THE MERIDIAN SOURCE OF THIS TOPOGRAPHIC SURVEY IS BASED ON THE VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM 1983(NA2011) USING GPS RTK METHOD (U.S. SURVEY FOOT).
2. ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 USING RTK GPS METHOD.
3. THIS SURVEY WAS PREPARED TO SHOW EXISTING FEATURES AS OF SEPTEMBER 16, 2023 AND DOES NOT CERTIFY TO CHANGES TO SITE CONDITIONS WHICH OCCUR SUBSEQUENT TO THIS DATE AND OR TO PROPOSED IMPROVEMENTS.
4. THIS SURVEY DOES NOT CONSTITUTE A BOUNDARY SURVEY NOR A SUBDIVISION OF LAND.
5. PROPERTY AND RIGHT–OF–WAY LINES ARE DEPICTED FOR GRAPHIC PURPOSES ONLY AND DOES NOT REPRESENT A BOUNDARY SURVEY NOR A SUBDIVISION OF LAND. THE PROPERTY AND RIGHT–OF–WAY DEPICTED ON THIS TOPOGRAPHIC SURVEY ARE A COMPILATION OF DEEDS AND PLATS WHICH HAVE BEEN SCALED, TRANSLATED AND ROTATED TO FIT INTO THE PROJECT DATUM.
6. THIS SURVEY DOES NOT INTEND TO DEPICT ANY WETLANDS, HAZARDOUS WASTE AND ENVIRONMENTAL FEATURES THAT MAY AFFECT SAID PROPERTY SHOWN HEREON EXCEPT AS SHOWN.
7. PIPE MATERIAL TYPES ARE DETERMINED BY FIELD OBSERVATIONS TO THE BEST OF OUR ABILITY. PMI DOES NOT WARRANT THE MATERIAL TYPE OF PIPES LOCATED IN CONFINED OR INACCESSIBLE SPACES.
8. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN DESIGNATED BY ACCUMARK AND THE PAINT DESIGNATIONS LINES HAVE BEEN LOCATED IN THE FIELD. THE SURVEYOR MAKES NO GUARANTEE THE THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDON. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THE SURVEYOR FURTHER NOTIFIES ALL PARTIES THAT VIRGINIA LAW REQUIRES "VA811" TO BE CONTACTED PRIOR TO ANY EXCAVATION.
9. THE TOPOGRAPHY AND PHYSICAL FEATURES SHOWN ON THIS MAP WERE OBTAINED UNDER THE DIRECT AND RESPONSIBLE CHARGE AND SUPERVISION OF, GARY C. THOMAS, L.S. FROM AN ACTUAL GROUND OR SURVEY. THIS TOPOGRAPHIC SURVEY MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
10. THIS TOPOGRAPHIC SURVEY WAS PREPARED/COMPILED BY:

PRECISION MEASUREMENTS, INC.
SURVEYORS – GPS – GIS – MAPPING – 3–D LASER SCANNING
11835 CANON BLVD. SUITE B103
NEWPORT NEWS, VA. 23606
(757) 595–7570
WWW.PRECISIONMEASUREMENTS.COM
VIRGINIA BEACH – NEWPORT NEWS – RICHMOND, VIRGINIA

LEGEND

	ASPHALT SURFACE
	SPOT ELEVATION
EHH	ELECTRIC HAND HOLE
Y/L	YARD LAMP
EM	ELECTRIC METER
	OVERHEAD LINES
	UNDERGROUND ELECTRIC
P/P	POWER POLE
L/P	LIGHT POLE
	GUY WIRE
GM	GAS METER
	UNDERGROUND GAS LINE
GV	GAS VALVE
	SIGN
	BOLLARD
EOI	END OF INFORMATION
SFMV	SANITARY FORCE MAIN VALVE
	FORCE MAIN
CDI	CURB DRAINAGE INLET
SDMH	STORM DRAIN MANHOLE
DI	DROP INLET
	STORM PIPES
	TRAVERSE POINT
TBM	TEMPORARY BENCH MARK
	UNDERGROUND CABLE
T–PED	TELEPHONE PEDESTAL
T–CAB	TELEPHONE CABINET
TMH	TELEPHONE MANHOLE
	UNDERGROUND TELEPHONE
	UNDERGROUND FIBER
FOWP	FIBER OPTIC WITNESS POST
	UNKNOWN UTILITY
SCO	SEWER CLEANOUT
SMH	SEWER MANHOLE
	SANITARY SEWER LINE
	SHRUB
	SAPLING
	TREE
WV	WATER VALVE
FH	FIRE HYDRANT
	UNDERGROUND WATER
WM	WATER METER
WDF	WOOD FENCE
WF	WIRE FENCE
TR–BOOM	TRAFFIC BOOM
TRHH	TRAFFIC HAND HOLE
TR–CAB	TRAFFIC CABINET
	UNDERGROUND TRAFFIC
MB	MAIL BOX
A/C	AIR CONDITIONER
M–WELL	MONITORING WELL
	FUEL CAPS
	SATELLITE DISH
HDPE	HIGH DENSITY POLYETHYLENE
30"C&G	SIZE/CURB & GUTTER
UNK	UNKNOWN
CMP	CORRUGATED METAL PIPE
STL	STEEL
PVC	POLYVINYL CHLORIDE
QLC	QUALITY LEVEL C
CM	CREEP MYRTLE
PIV	POST INDICATOR VALVE
W–VAULT	WATER VAULT

No.	REVISIONS	DATE

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PHONE: 757–213–8600
WWW.KIMLEY–HORN.COM

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

GENERAL NOTES

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
2

Plotted By:Monsour, Drew Sheet Set:Kha Layout:2 GENERAL NOTES January 03, 2024 12:07:19pm K:\VAB_RDWY\117032035 US 258 and Route 10 Intersection\05 – Design\CADD\PlanSheets\2 GENERAL NOTES.dwg
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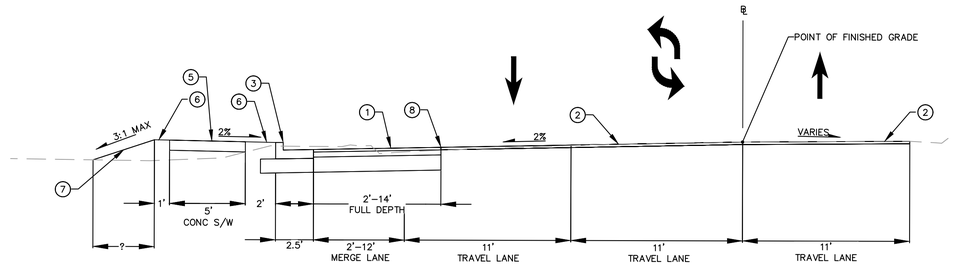
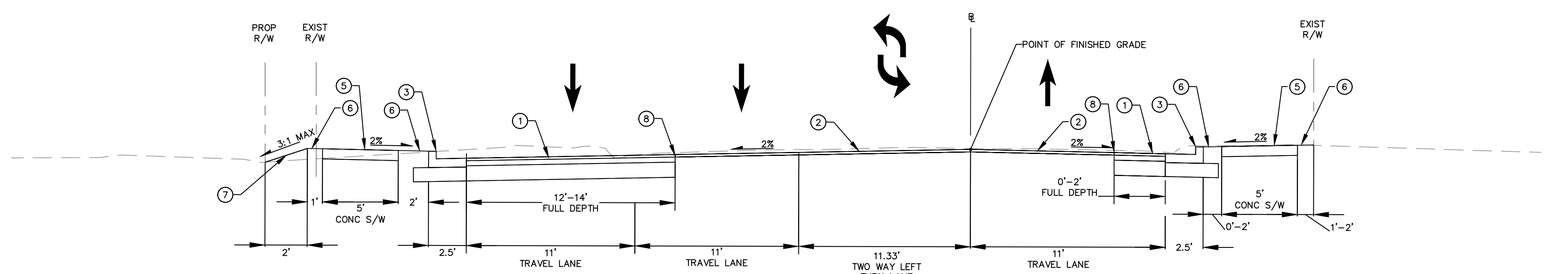
1. PROPOSED FULL DEPTH ASPHALT PAVEMENT (PAVEMENT DESIGN TO BE PROVIDED UPON COMPLETION OF GEOTECHNICAL REPORT)
2. PROPOSED 1.5" MILLING OF EXISTING PAVEMENT AND 1.5" SM-9.5A @ 165 LB/SY
3. VDOT STD. CG-6
4. VDOT STD. CG-2
5. HYDRAULIC CEMENT CONCRETE SIDEWALK, 4"
6. GRADED SLOPE WITH TOPSOIL AND SEED
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



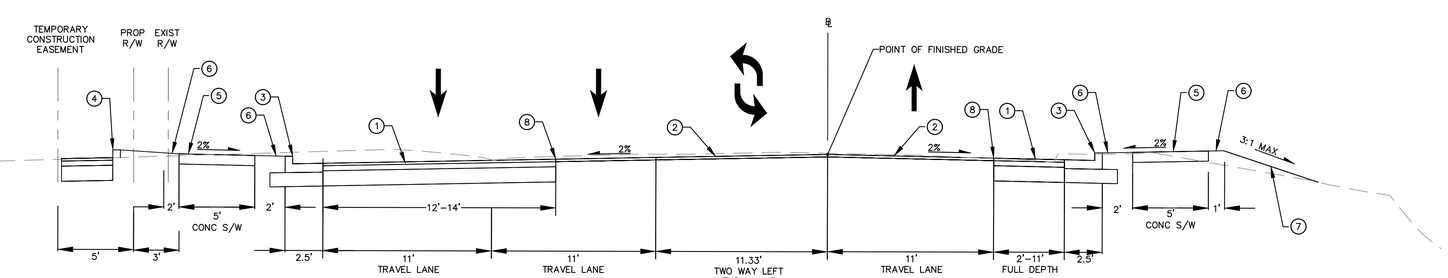
W MAIN STREET / US 258

100+85.58 TO 103+00.82
N.T.S



W MAIN STREET / US 258

103+00.82 TO 103+71.93
N.T.S



W MAIN STREET / US 258

103+71.93 TO 105+30.13
N.T.S

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

TYPICAL SECTIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
2A

Plotted By:Monsour, Drew Sheet Set:Kha Layout:2A TYPICAL SECTIONS January 03, 2024 12:07:26pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\2A TYPICAL SECTIONS.dwg
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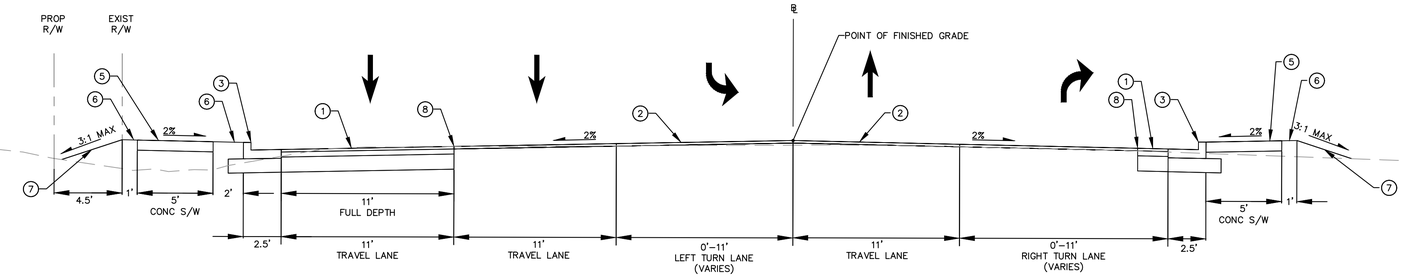
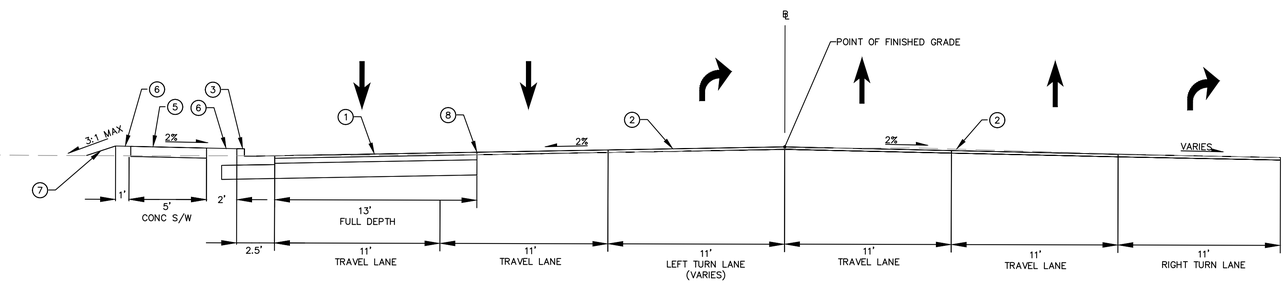
7. GRADED SLOPE WITH VDOT STD. EC-2 MATTING, TOPSOIL, AND SEED
8. SAWCUT AND PAVEMENT DEMOLITION IN ACCORDANCE WITH VDOT STD. WP-2 DETAIL



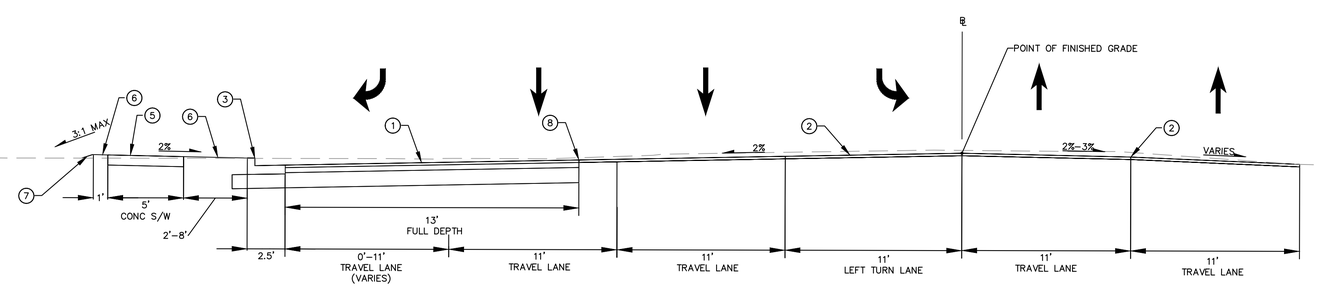
W MAIN STREET / US 258

105+84.21 TO 106+95.35
N.T.S



W MAIN STREET / US 258

106+95.35 TO 108+13.75
N.T.S



W MAIN STREET / US 258

109+16.87 TO 111+25.15
N.T.S

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

TYPICAL SECTIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
2B

Plotted By:Mansour, Drew Sheet Set:Kha Layout:2B TYPICAL SECTIONS January 03, 2024 12:07:26pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\2A TYPICAL SECTIONS.dwg
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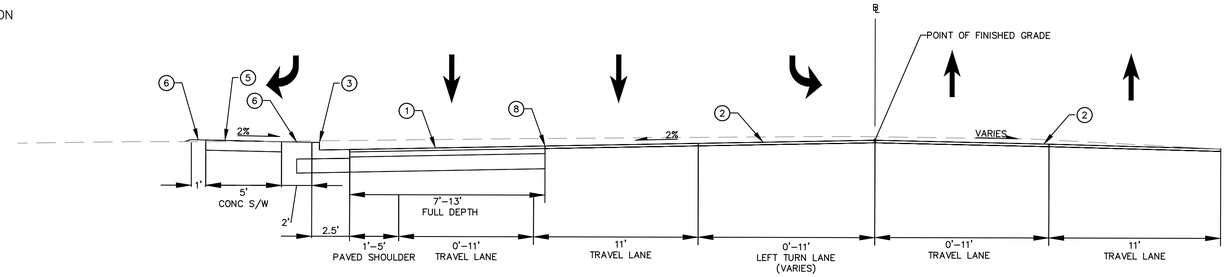
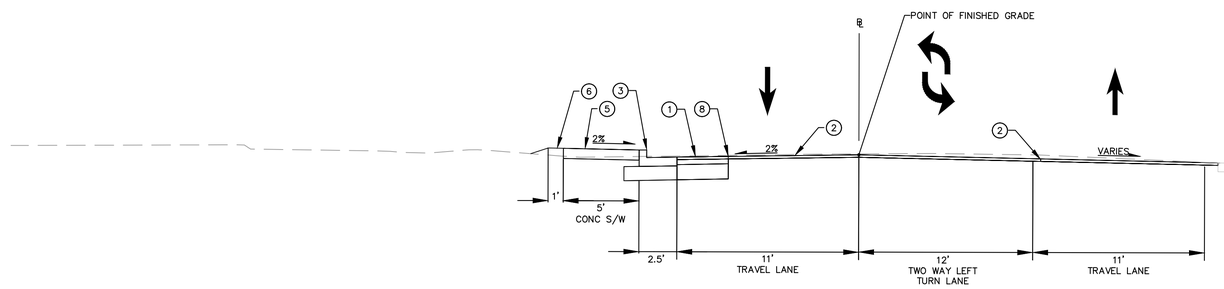
7. GRADED SLOPE WITH VDOT STD. EC-2 MATTING, TOPSOIL, AND SEED
8. SAWCUT AND PAVEMENT DEMOLITION IN ACCORDANCE WITH VDOT STD. WP-2 DETAIL



W MAIN STREET / US 258

111+25.15 TO 114+89.11
N.T.S



W MAIN STREET / US 258

114+89.11 TO 115+54.22
N.T.S

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

TYPICAL SECTIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
2C

Plotted By:Monsour, Drew Sheet Set:Kha Layout:2C TYPICAL SECTIONS January 03, 2024 12:07:28pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\2A TYPICAL SECTIONS.dwg
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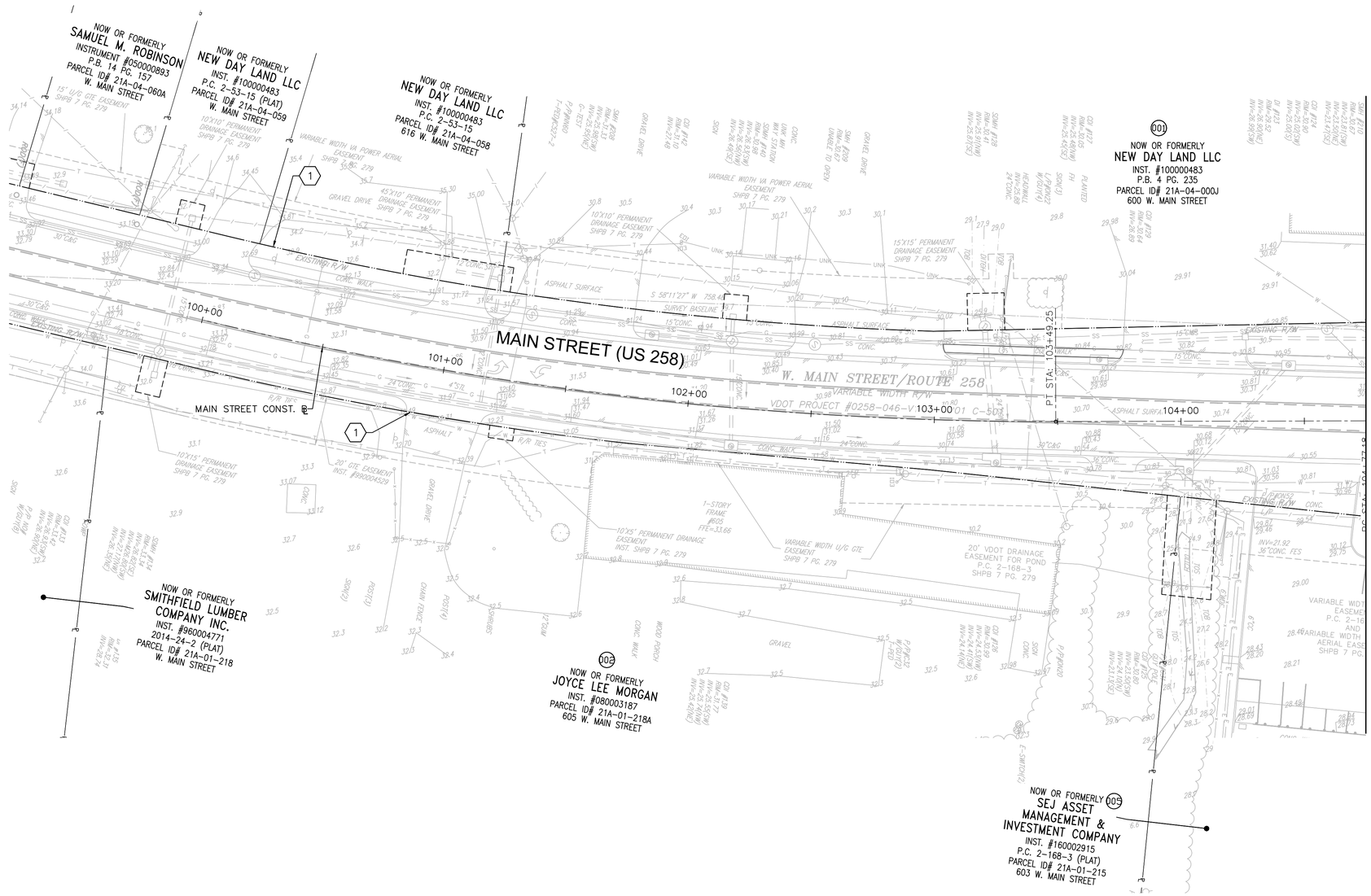

GRAPHIC SCALE IN FEET
0 12.5 25 50
1"=25'

NORTH

LEGEND

1 — · — · — · — EXISTING RIGHT OF WAY LINE

2 — · — · — · — EXISTING LIMITED ACCESS LINE

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 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

EXISTING CONDITIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
VIRGINIA
SMITHFIELD

SHEET NUMBER
3

Plotted By:Monsour, Drew Sheet Set:Kha Layout:3 EXISTING CONDITIONS January 03, 2024 12:07:39pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3 EXISTING CONDITIONS.dwg
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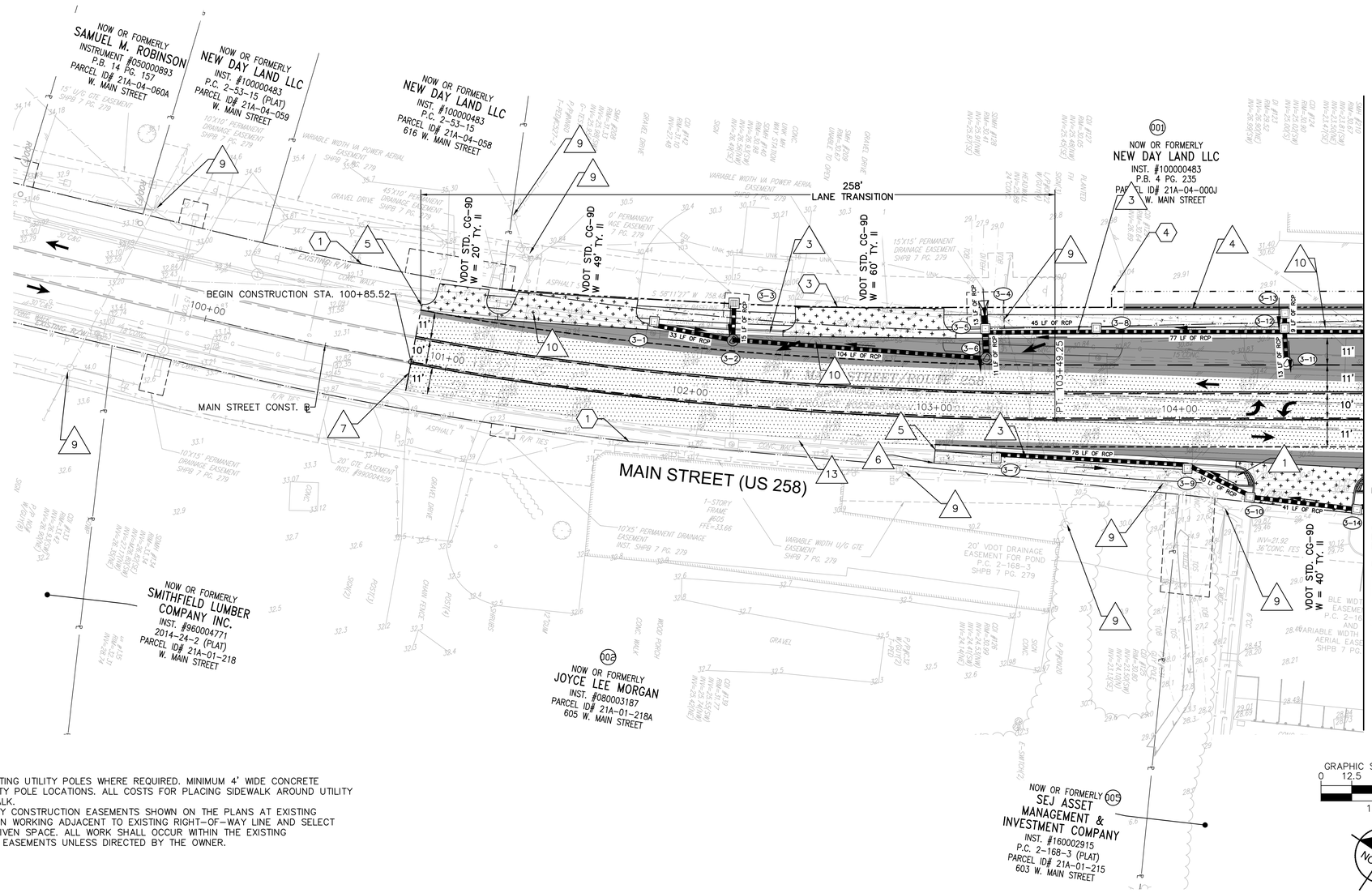

NOTES:

1. CONCRETE SIDEWALK SHALL BE PLACED AROUND EXISTING UTILITY POLES WHERE REQUIRED. MINIMUM 4' WIDE CONCRETE SIDEWALK SHALL BE PROVIDED AT ALL EXISTING UTILITY POLE LOCATIONS. ALL COSTS FOR PLACING SIDEWALK AROUND UTILITY POLES SHALL BE PAID AS INCIDENTAL TO THE SIDEWALK.
2. CONTRACTOR SHOULD NOTE LOCATIONS OF TEMPORARY CONSTRUCTION EASEMENTS SHOWN ON THE PLANS AT EXISTING ENTRANCES. CONTRACTOR SHALL EXERCISE CARE WHEN WORKING ADJACENT TO EXISTING RIGHT-OF-WAY LINE AND SELECT INSTALLATION MEANS AND METHODS ACCORDING TO GIVEN SPACE. ALL WORK SHALL OCCUR WITHIN THE EXISTING RIGHT-OF-WAY LINE AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS DIRECTED BY THE OWNER.

LEGEND

- (1) EXIST. R/W
- (2) EXIST. LIMITED ACCESS LINE
- (3) PROP. R/W
- (4) TEMP. CONSTR. EASEMENT
- (5) PERM. DRAINAGE EASEMENT
- △1 VDOT STD. CG-12 TYPE A REQ'D. (5' WIDTH)
- △2 VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)
- △3 VDOT STD. CG-6 REQ'D.
- △4 VDOT STD. CG-2 REQ'D
- △5 TIE TO EXIST. CURB/CURB & GUTTER
- △6 TIE TO EXIST. SIDEWALK
- △7 TIE TO EXIST. PAVEMENT
- △8 RELOCATE EXISTING UTILITY POLE (BY OTHERS)
- △9 PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE
- △10 ADJUST EXISTING UTILITY TO GRADE
- △11 REMOVE AND RELOCATE EXISTING SIGN
- △12 RELOCATE TRAFFIC SIGNAL EQUIPMENT
- △13 MAINTAIN EXISTING CURB AND GUTTER
- △14 REMOVE EXISTING FENCE
- DENOTES PROP. FULL DEPTH ASPHALT PAVEMENT
- DENOTES PROP. VARIABLE MILL AND OVERLAY WITH SM-9.5A @165 LBS/SY
- DENOTES CONCRETE ENTRANCE PAVEMENT
- DENOTES DETECTABLE WARNING SURFACE
- DENOTES PROP. 5' WIDE CONCRETE SIDEWALK
- DIRECTIONAL ARROW

No.	REVISIONS	DATE

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30% PLANS

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

KHA PROJECT 117032035	
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
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ROADWAY PLAN

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
3A

Plotted By:Monsour, Drew Sheet Set:Kha Layout:3A ROADWAY PLAN January 03, 2024 12:07:43pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3A ROADWAY PLAN.dwg
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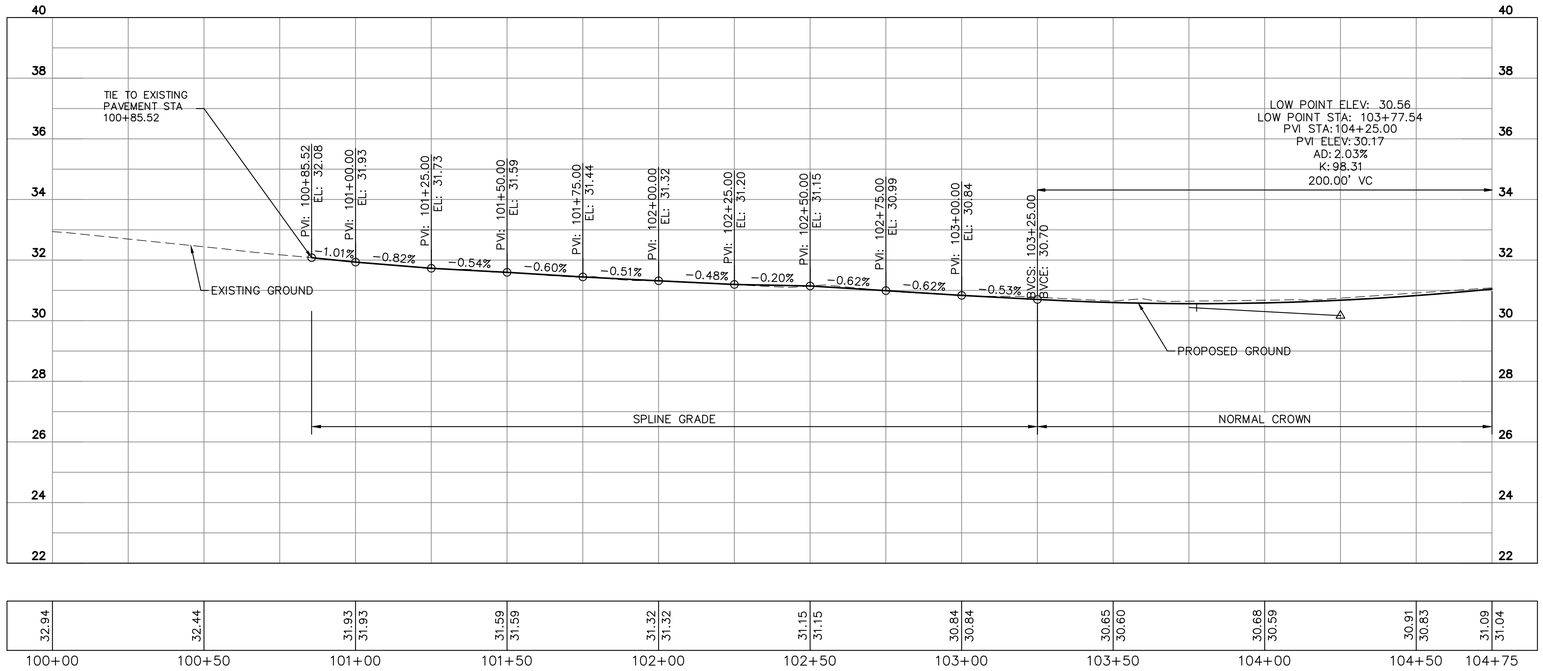

MAIN STREET BL

STA: 100+00.00 TO STA: 104+75.00

GRAPHIC SCALE IN FEET
0 12.5 25 50
HORIZONTAL

GRAPHIC SCALE IN FEET
0 1.25 2.5 5
VERTICAL

No.	REVISIONS	DATE

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Virginia Beach, Virginia
Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

ROADWAY PROFILE

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
3B

Plotted By:Monsour, Drew Sheet Set:Kha Layout:3B January 03, 2024 12:07:51pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3B PROFILE VIEWS.dwg
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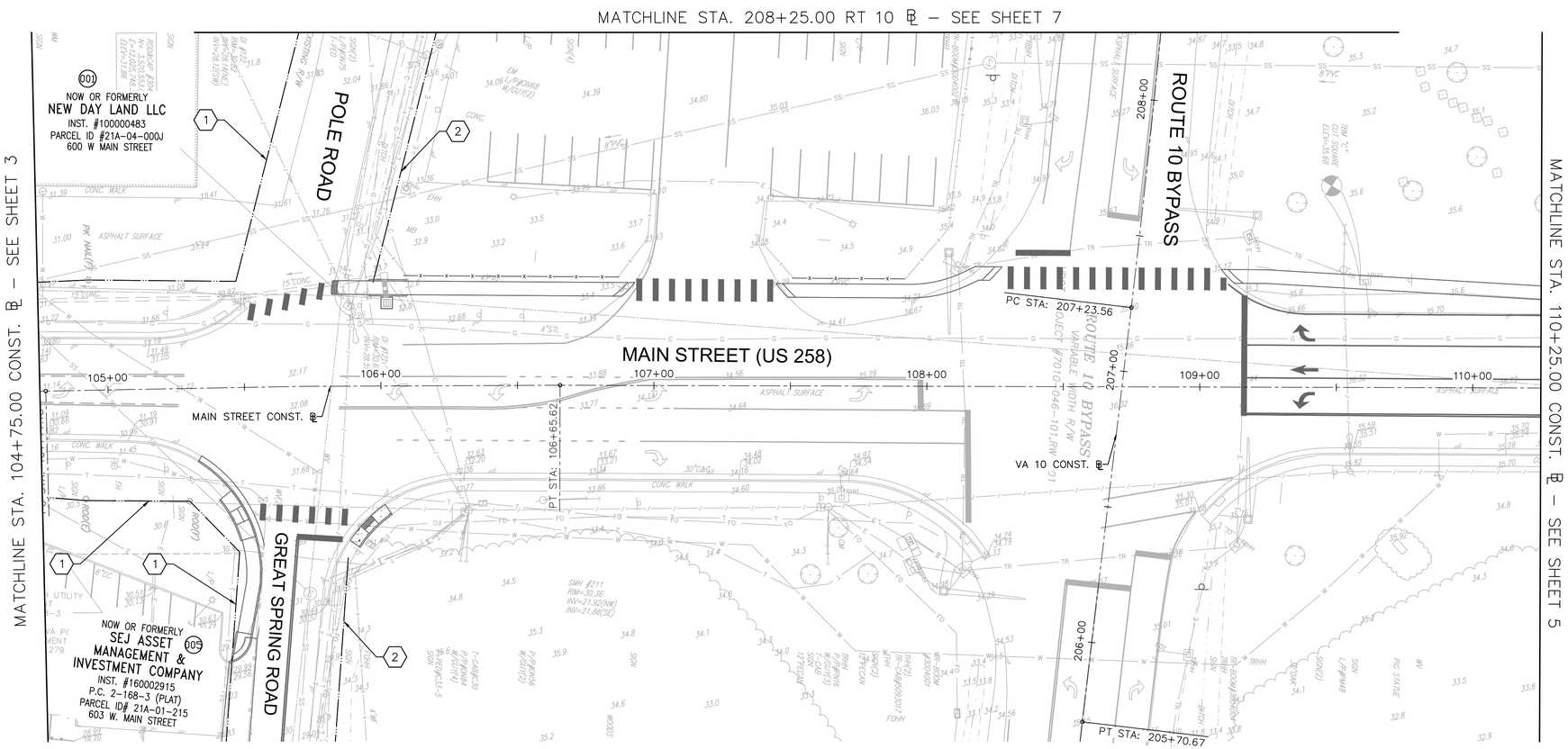

GRAPHIC SCALE IN FEET
0 12.5 25 50
1"=25'

NORTH

LEGEND

1 — · — · — · — EXISTING RIGHT OF WAY LINE

2 — · — · — · — EXISTING LIMITED ACCESS LINE

No.	REVISIONS	DATE

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

EXISTING CONDITIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
VIRGINIA
SMITHFIELD

SHEET NUMBER
4

Plotted By:Monsour, Drew Sheet Set:Kha Layout:4 EXISTING CONDITIONS January 03, 2024 12:08:01pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3 EXISTING CONDITIONS.dwg
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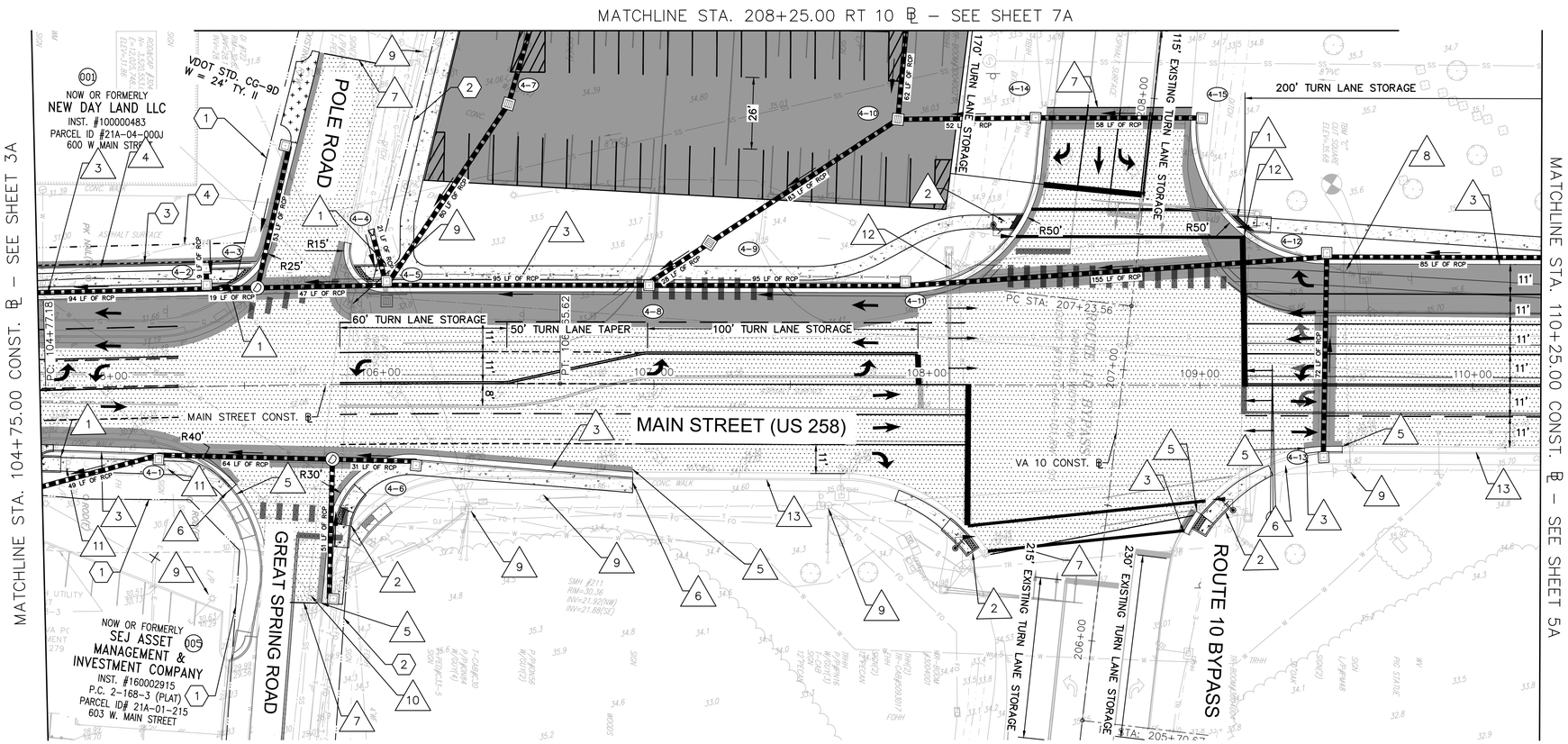

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GRAPHIC SCALE IN FEET
0 12.5 25 50
1"=25'

NORTH

LEGEND

- (1) EXIST. R/W
- (2) EXIST. LIMITED ACCESS LINE
- (3) PROP. R/W
- (4) TEMP. CONSTR. EASEMENT
- (5) PERM. DRAINAGE EASEMENT
- △1 VDOT STD. CG-12 TYPE A REQ'D. (5' WIDTH)
- △2 VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)
- △3 VDOT STD. CG-6 REQ'D.
- △4 VDOT STD. CG-2 REQ'D
- △5 TIE TO EXIST. CURB/CURB & GUTTER
- △6 TIE TO EXIST. SIDEWALK
- △7 TIE TO EXIST. PAVEMENT
- △8 RELOCATE EXISTING UTILITY POLE (BY OTHERS)
- △9 PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE
- △10 ADJUST EXISTING UTILITY TO GRADE
- △11 REMOVE AND RELOCATE EXISTING SIGN
- △12 RELOCATE TRAFFIC SIGNAL EQUIPMENT
- △13 MAINTAIN EXISTING CURB AND GUTTER
- △14 REMOVE EXISTING FENCE
- DENOTES PROP. FULL DEPTH ASPHALT PAVEMENT
- DENOTES PROP. VARIABLE MILL AND OVERLAY WITH SM-9.5A @165 LBS/SY
- DENOTES CONCRETE ENTRANCE PAVEMENT
- DENOTES DETECTABLE WARNING SURFACE
- DENOTES PROP. 5' WIDE CONCRETE SIDEWALK
- DIRECTIONAL ARROW

No.	REVISIONS	DATE

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WWW.KIMLEY-HORN.COM

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

ROADWAY PLAN

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
4A

Plotted By:Mansour, Drew Sheet Set:Kha Layout:4A ROADWAY PLAN January 03, 2024 12:08:05pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3A ROADWAY PLAN.dwg
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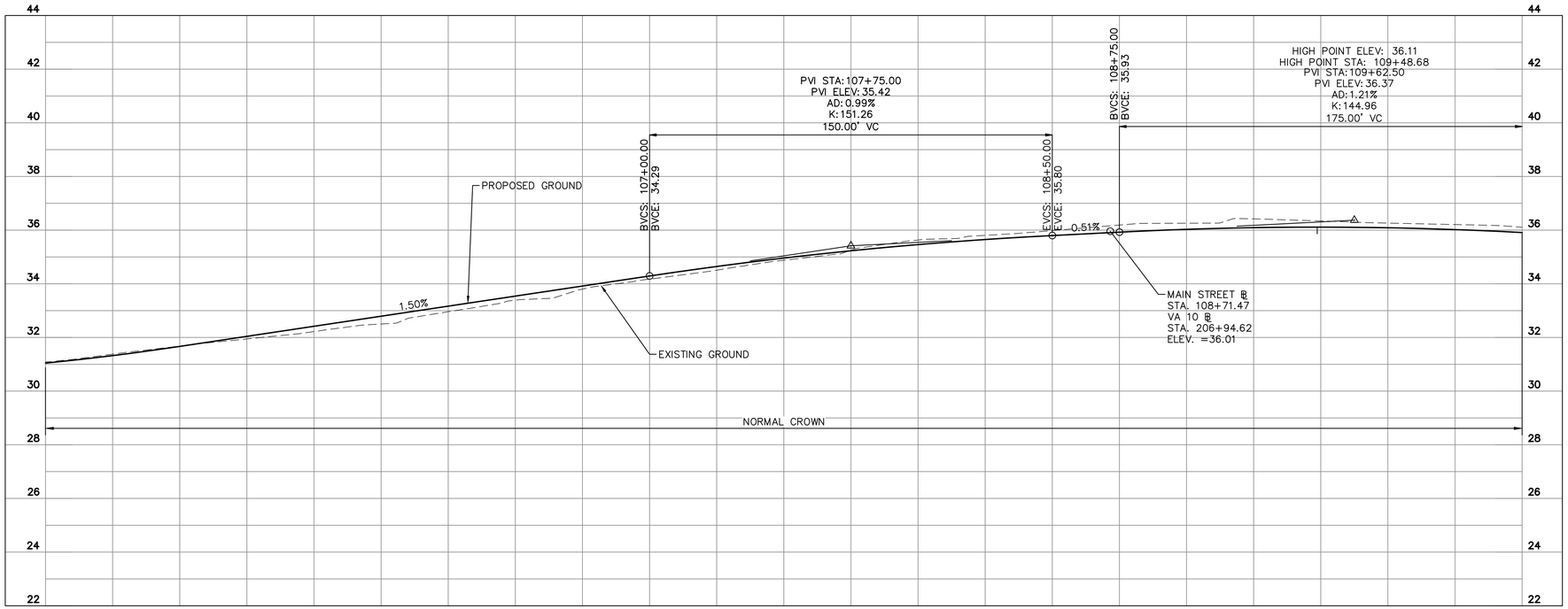

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31.04	31.32	32.04	32.79	33.54	34.29	34.96	35.46	35.80	36.03	36.11	36.02	35.91	
104+75	105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+25	

MAIN STREET BL

STA: 104+75.00 TO STA: 110+25.00

GRAPHIC SCALE IN FEET
0 12.5 25 50
HORIZONTAL

GRAPHIC SCALE IN FEET
0 1.25 2.5 5
VERTICAL

No.	REVISIONS	DATE

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Virginia Beach, Virginia
Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
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CHECKED BY APF

ROADWAY PROFILE

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
4B

Plotted By:Monsour, Drew Sheet Set:Kha Layout:4B January 03, 2024 12:08:12pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3B PROFILE VIEWS.dwg
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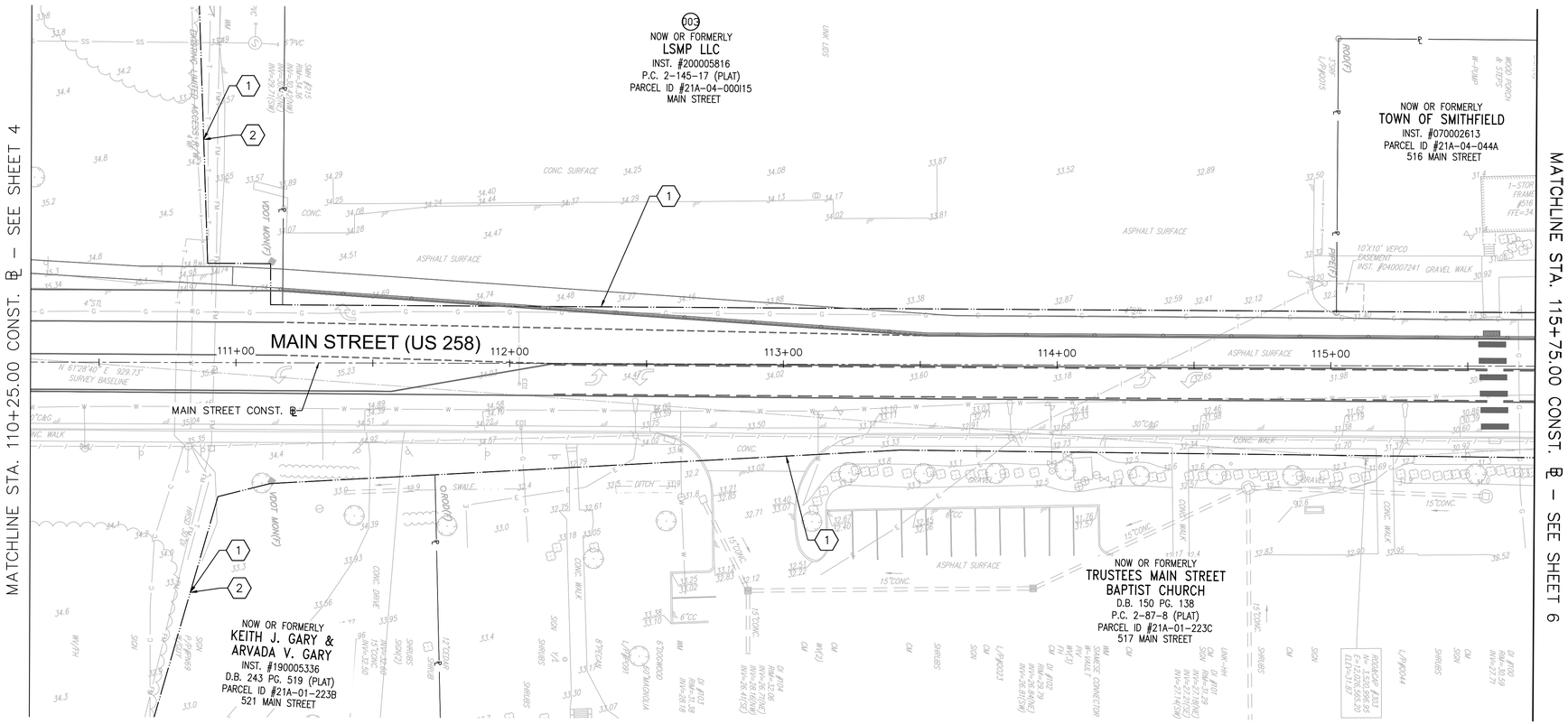

GRAPHIC SCALE IN FEET
0 12.5 25 50
1"=25'

NORTH

LEGEND

1 — · — · — · — EXISTING RIGHT OF WAY LINE

2 — · — · — · — EXISTING LIMITED ACCESS LINE

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Virginia Beach, Virginia
Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

EXISTING CONDITIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
5

Plotted By:Mansour, Drew Sheet Set:Kha Layout:5 EXISTING CONDITIONS January 03, 2024 12:08:22pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3 EXISTING CONDITIONS.dwg
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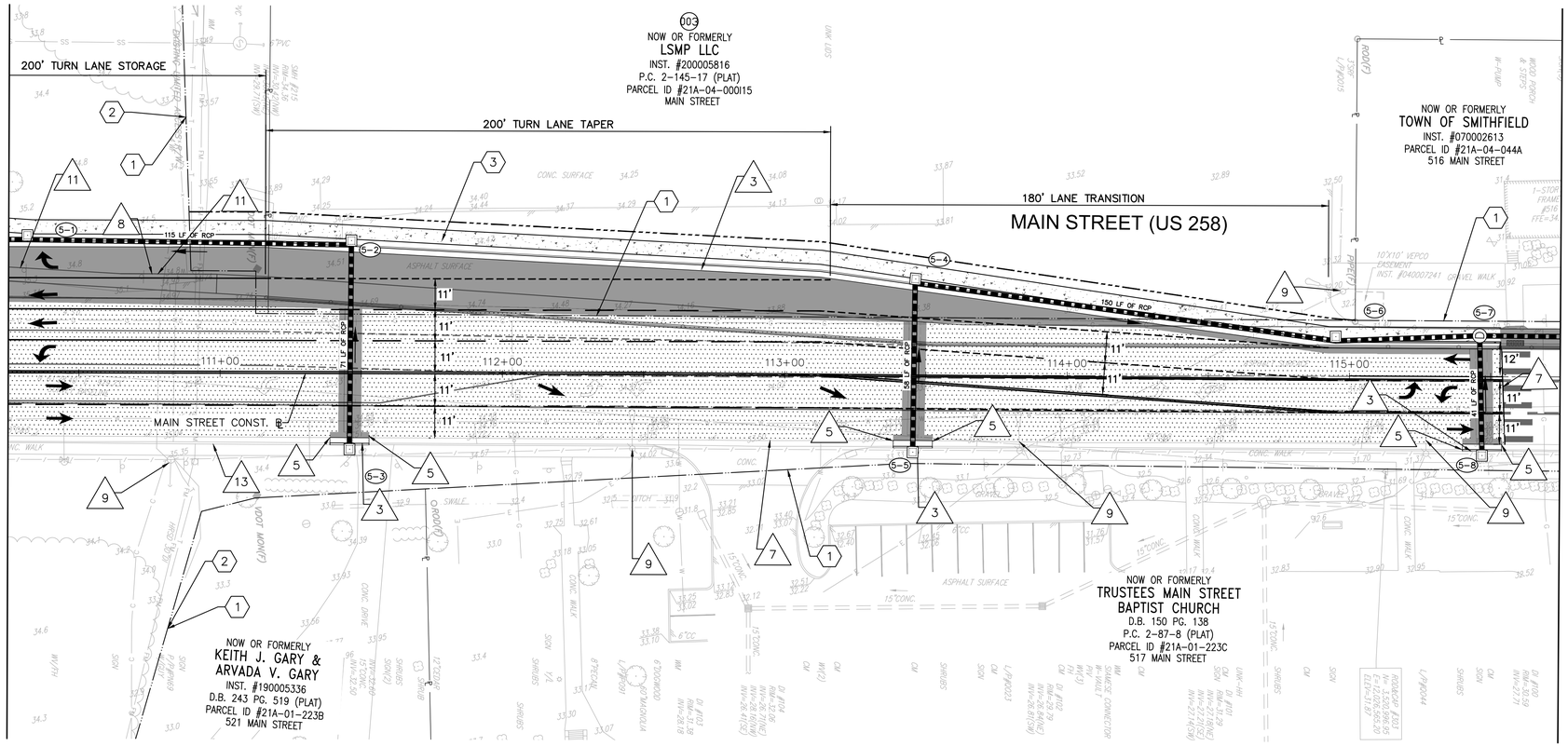

NOTES:

1. CONCRETE SIDEWALK SHALL BE PLACED AROUND EXISTING UTILITY POLES WHERE REQUIRED. MINIMUM 4' WIDE CONCRETE SIDEWALK SHALL BE PROVIDED AT ALL EXISTING UTILITY POLE LOCATIONS. ALL COSTS FOR PLACING SIDEWALK AROUND UTILITY POLES SHALL BE PAID AS INCIDENTAL TO THE SIDEWALK.
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GRAPHIC SCALE IN FEET
0 12.5 25 50
1"=25'

NORTH

LEGEND

- (1) EXIST. R/W
- (2) EXIST. LIMITED ACCESS LINE
- (3) PROP. R/W
- (4) TEMP. CONSTR. EASEMENT
- (5) PERM. DRAINAGE EASEMENT
- △1 VDOT STD. CG-12 TYPE A REQ'D. (5' WIDTH)
- △2 VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)
- △3 VDOT STD. CG-6 REQ'D.
- △4 VDOT STD. CG-2 REQ'D
- △5 TIE TO EXIST. CURB/CURB & GUTTER
- △6 TIE TO EXIST. SIDEWALK
- △7 TIE TO EXIST. PAVEMENT
- △8 RELOCATE EXISTING UTILITY POLE (BY OTHERS)
- △9 PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE
- △10 ADJUST EXISTING UTILITY TO GRADE
- △11 REMOVE AND RELOCATE EXISTING SIGN
- △12 RELOCATE TRAFFIC SIGNAL EQUIPMENT
- △13 MAINTAIN EXISTING CURB AND GUTTER
- △14 REMOVE EXISTING FENCE
- DENOTES PROP. FULL DEPTH ASPHALT PAVEMENT
- DENOTES PROP. VARIABLE MILL AND OVERLAY WITH SM-9.5A @165 LBS/SY
- DENOTES CONCRETE ENTRANCE PAVEMENT
- DENOTES DETECTABLE WARNING SURFACE
- DENOTES PROP. 5' WIDE CONCRETE SIDEWALK
- DIRECTIONAL ARROW

No.	REVISIONS	DATE

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Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
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DRAWN BY NVR
CHECKED BY APF

ROADWAY PLAN

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
5A

Plotted By:Monsour, Drew Sheet Set:Kha Layout:5A ROADWAY PLAN January 03, 2024 12:08:27pm K:\VAB_RDWY\117032035 – US 258 and Route 10 Intersection\05 – Design\CADD\PlanSheets\3A ROADWAY PLAN.dwg
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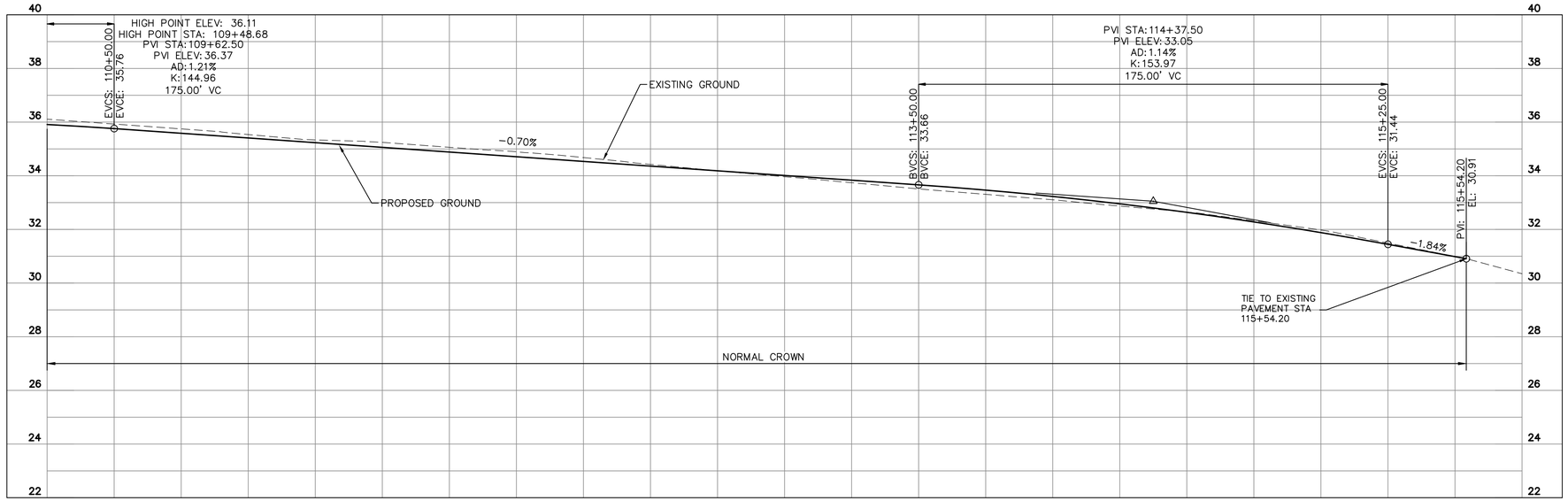

36.11 / 35.91	35.93 / 35.76	35.54 / 35.41	35.25 / 35.06	34.89 / 34.71	34.42 / 34.36	33.96 / 34.01	33.51 / 33.66	33.10 / 33.23	32.65 / 32.64	31.98 / 31.88	30.99 / 30.98	30.35
110+25	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	115+75

MAIN STREET BL

STA: 110+25.00 TO STA: 115+75.00

GRAPHIC SCALE IN FEET
0 12.5 25 50
HORIZONTAL

GRAPHIC SCALE IN FEET
0 1.25 2.5 5
VERTICAL

No.	REVISIONS	DATE

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Virginia Beach, Virginia
Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
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ROADWAY PROFILE

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
5B

Plotted By:Monsour, Drew Sheet Set:Kha Layout:5B January 03, 2024 12:08:32pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3B PROFILE VIEWS.dwg
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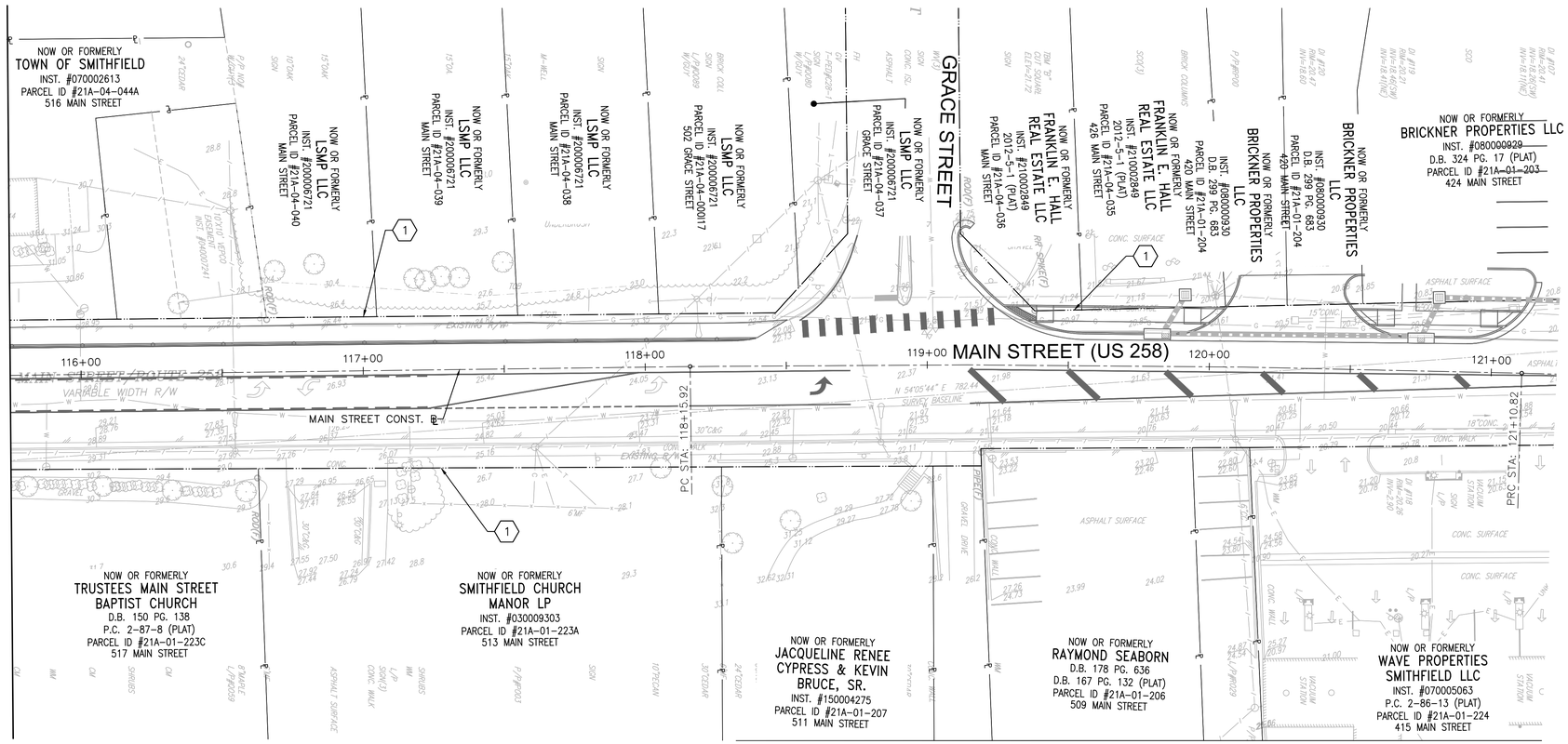

GRAPHIC SCALE IN FEET
0 12.5 25 50
1"=25'

NORTH

LEGEND

1 — · — · — · — EXISTING RIGHT OF WAY LINE

2 — · — · — · — EXISTING LIMITED ACCESS LINE

No.	REVISIONS	DATE

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Kimley-Horn and Associates, Inc.
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Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
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EXISTING CONDITIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
6

Plotted By:Mansour, Drew Sheet Set:Kha Layout:6 EXISTING CONDITIONS January 03, 2024 12:08:44pm K:\VAB_RDWY\117032035 – US 258 and Route 10 Intersection\05 – Design\CADD\PlanSheets\3 EXISTING CONDITIONS.dwg
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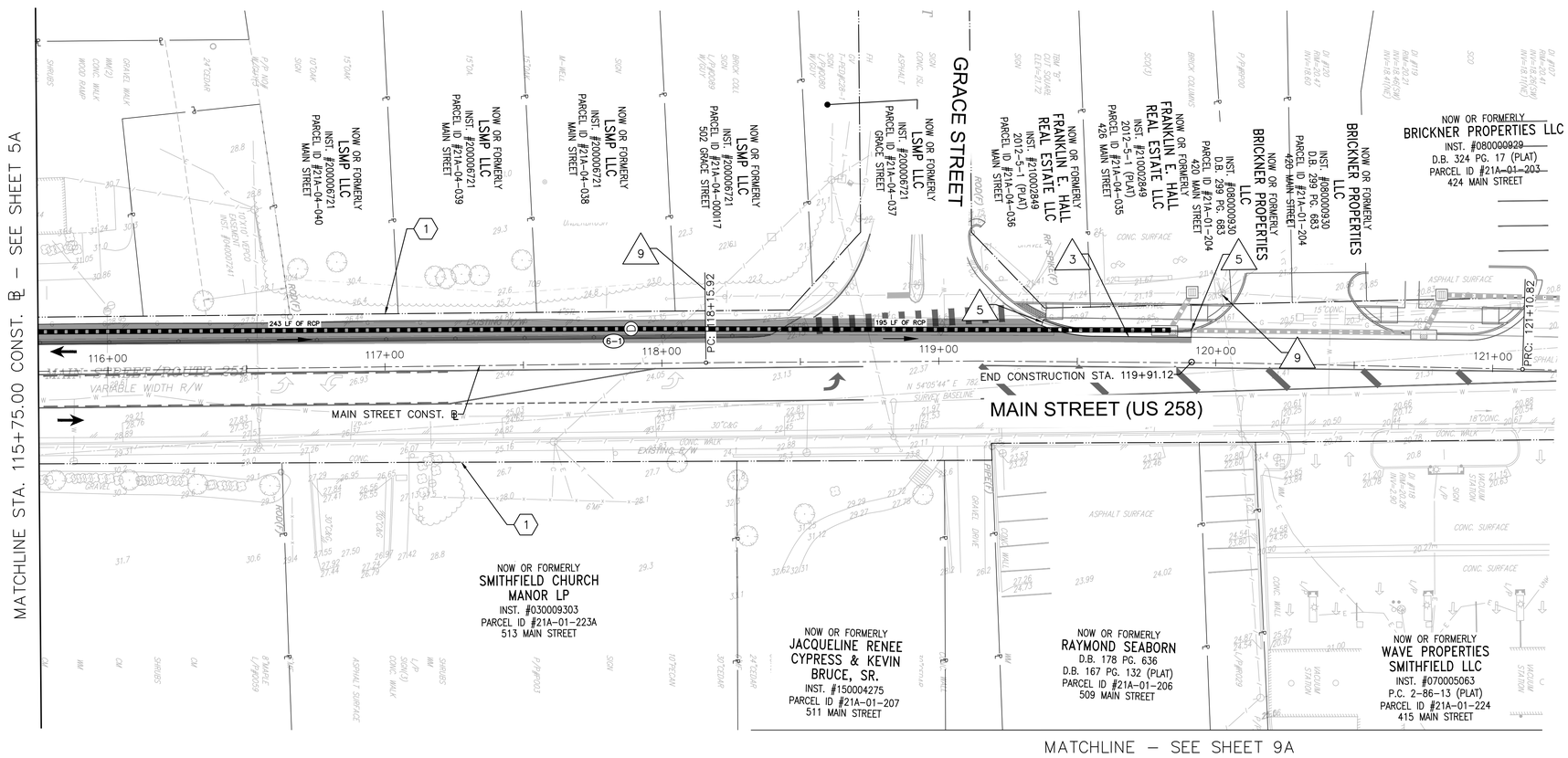

NOTES:

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GRAPHIC SCALE IN FEET
0 12.5 25 50
1"=25'

NORTH

LEGEND

- (1) EXIST. R/W
- (2) EXIST. LIMITED ACCESS LINE
- (3) PROP. R/W
- (4) TEMP. CONSTR. EASEMENT
- (5) PERM. DRAINAGE EASEMENT
- (1) VDOT STD. CG-12 TYPE A REQ'D. (5' WIDTH)
- (2) VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)
- (3) VDOT STD. CG-6 REQ'D.
- (4) VDOT STD. CG-2 REQ'D
- (5) TIE TO EXIST. CURB/CURB & GUTTER
- (6) TIE TO EXIST. SIDEWALK
- (7) TIE TO EXIST. PAVEMENT
- (8) RELOCATE EXISTING UTILITY POLE (BY OTHERS)
- (9) PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE
- (10) ADJUST EXISTING UTILITY TO GRADE
- (11) REMOVE AND RELOCATE EXISTING SIGN
- (12) RELOCATE TRAFFIC SIGNAL EQUIPMENT
- (13) MAINTAIN EXISTING CURB AND GUTTER
- (14) REMOVE EXISTING FENCE
- DENOTES PROP. FULL DEPTH ASPHALT PAVEMENT
- DENOTES PROP. VARIABLE MILL AND OVERLAY WITH SM-9.5A @165 LBS/SY
- DENOTES CONCRETE ENTRANCE PAVEMENT
- DENOTES DETECTABLE WARNING SURFACE
- DENOTES PROP. 5' WIDE CONCRETE SIDEWALK
- DIRECTIONAL ARROW

No.	REVISIONS	DATE

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

ROADWAY PLAN

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
6A

Plotted By:Monsour, Drew Sheet Set:Kha Layout:6A ROADWAY PLAN January 03, 2024 12:08:47pm K:\VAB_RDWY\117032035 – US 258 and Route 10 Intersection\05 – Design\CADD\PlanSheets\3A ROADWAY PLAN.dwg
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LEGEND

1 — · — · — · — EXISTING RIGHT OF WAY LINE

2 — · — · — · — EXISTING LIMITED ACCESS LINE

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Virginia Beach, Virginia
Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

EXISTING CONDITIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
7

Plotted By:Monsour, Drew Sheet Set:Kha Layout:7 EXISTING CONDITIONS January 03, 2024 12:08:57pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3 EXISTING CONDITIONS.dwg
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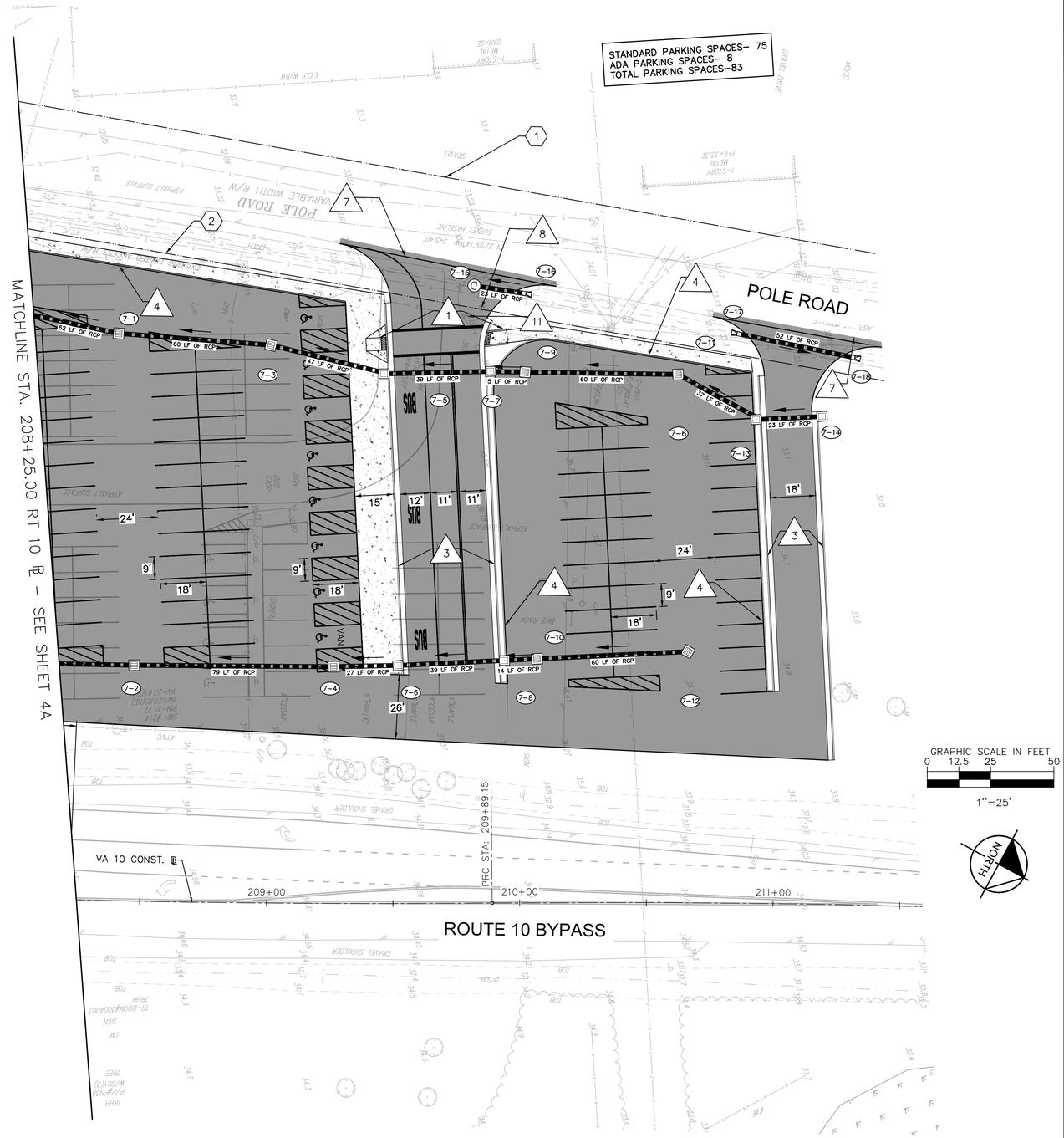
LEGEND

1	EXIST. R/W
2	EXIST. LIMITED ACCESS LINE
3	PROP. R/W
4	TEMP. CONSTR. EASEMENT
5	PERM. DRAINAGE EASEMENT
1	VDOT STD. CG-12 TYPE A REQ'D. (5' WIDTH)
2	VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)
3	VDOT STD. CG-6 REQ'D.
4	VDOT STD. CG-2 REQ'D
5	TIE TO EXIST. CURB/CURB & GUTTER
6	TIE TO EXIST. SIDEWALK
7	TIE TO EXIST. PAVEMENT
8	RELOCATE EXISTING UTILITY POLE (BY OTHERS)
9	PROTECT AND DO NOT DISTURB EXISTING UTILITY POLE
10	ADJUST EXISTING UTILITY TO GRADE
11	REMOVE AND RELOCATE EXISTING SIGN
12	RELOCATE TRAFFIC SIGNAL EQUIPMENT
13	MAINTAIN EXISTING CURB AND GUTTER
	DENOTES PROP. FULL DEPTH ASPHALT PAVEMENT
	DENOTES PROP. VARIABLE MILL AND OVERLAY WITH SM-9.5A @165 LBS/SY
	DENOTES CONCRETE ENTRANCE PAVEMENT
	DENOTES DETECTABLE WARNING SURFACE
	DENOTES PROP. 5' WIDE CONCRETE SIDEWALK
	DIRECTIONAL ARROW



NOTES:

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Virginia Beach, Virginia
Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

PARK AND RIDE PLAN

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
7A

Plotted By:Mansour, Drew Sheet Set:Kha Layout:7A PARK AND RIDE PLAN January 03, 2024 12:09:02pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3A ROADWAY PLAN.dwg
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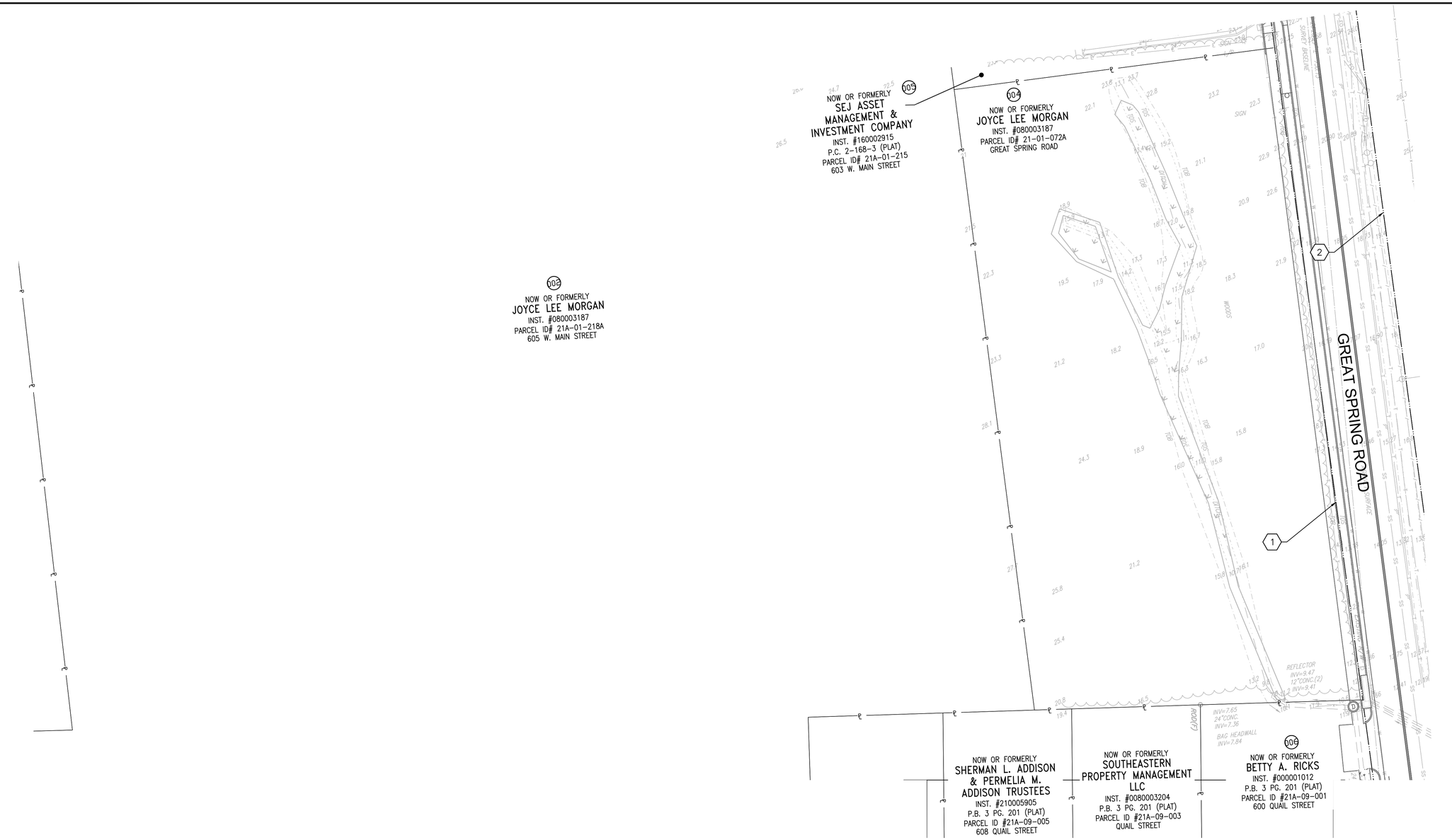

LEGEND

1 — · — · — · — EXISTING RIGHT OF WAY LINE

2 — · — · — · — EXISTING LIMITED ACCESS LINE

No.	REVISIONS	DATE

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Virginia Beach, Virginia
Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

EXISTING CONDITIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
8

Plotted By:Mansour, Drew Sheet Set:Kha Layout:8 EXISTING CONDITIONS January 03, 2024 12:09:12pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3 EXISTING CONDITIONS.dwg
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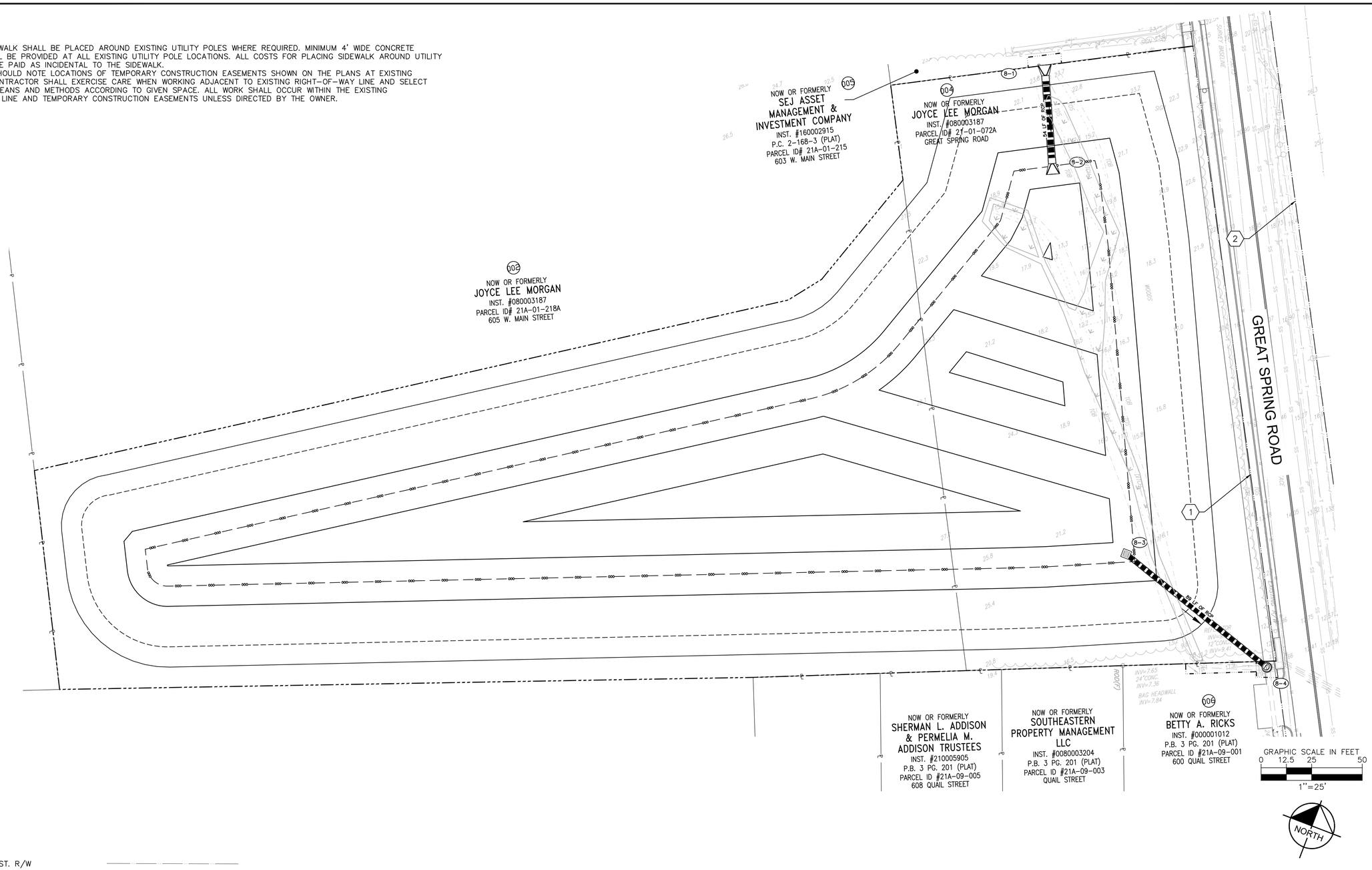
NOTES:

1. CONCRETE SIDEWALK SHALL BE PLACED AROUND EXISTING UTILITY POLES WHERE REQUIRED. MINIMUM 4' WIDE CONCRETE SIDEWALK SHALL BE PROVIDED AT ALL EXISTING UTILITY POLE LOCATIONS. ALL COSTS FOR PLACING SIDEWALK AROUND UTILITY POLES SHALL BE PAID AS INCIDENTAL TO THE SIDEWALK.
2. CONTRACTOR SHOULD NOTE LOCATIONS OF TEMPORARY CONSTRUCTION EASEMENTS SHOWN ON THE PLANS AT EXISTING ENTRANCES. CONTRACTOR SHALL EXERCISE CARE WHEN WORKING ADJACENT TO EXISTING RIGHT-OF-WAY LINE AND SELECT INSTALLATION MEANS AND METHODS ACCORDING TO GIVEN SPACE. ALL WORK SHALL OCCUR WITHIN THE EXISTING RIGHT-OF-WAY LINE AND TEMPORARY CONSTRUCTION EASEMENTS UNLESS DIRECTED BY THE OWNER.



LEGEND

1	EXIST. R/W
2	EXIST. LIMITED ACCESS LINE
3	PROP. R/W
4	TEMP. CONSTR. EASEMENT
5	PERM. DRAINAGE EASEMENT
1	VDOT STD. CG-12 TYPE A REQ'D. (5' WIDTH)
2	VDOT STD. CG-12 TYPE B REQ'D. (5' WIDTH)

No.	REVISIONS	DATE

Kimley»Horn

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PHONE: 757-213-8600
WWW.KIMLEY-HORN.COM

30% PLANS

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

ROADWAY PLAN

US 258 AT ROUTE 10
BYPASS INTERSECTION IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
8A

Plotted By:Monsour, Drew Sheet Set:Kha Layout:8A ROADWAY PLAN January 03, 2024 12:09:16pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3A ROADWAY PLAN.dwg
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LEGEND

1 — EXISTING RIGHT OF WAY LINE

2 — EXISTING LIMITED ACCESS LINE

No.	REVISIONS	DATE

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

KHA PROJECT 117032035

DATE 1/03/2024

SCALE AS SHOWN

DESIGNED BY NVR

DRAWN BY NVR

CHECKED BY APF

EXISTING CONDITIONS

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
9

Plotted By:Mansour, Drew Sheet Set:Kha Layout:9 EXISTING CONDITIONS January 03, 2024 12:09:24pm K:\VAB_RDWY\117032035 – US 258 and Route 10 Intersection\05 – Design\CADD\PlanSheets\3 EXISTING CONDITIONS.dwg
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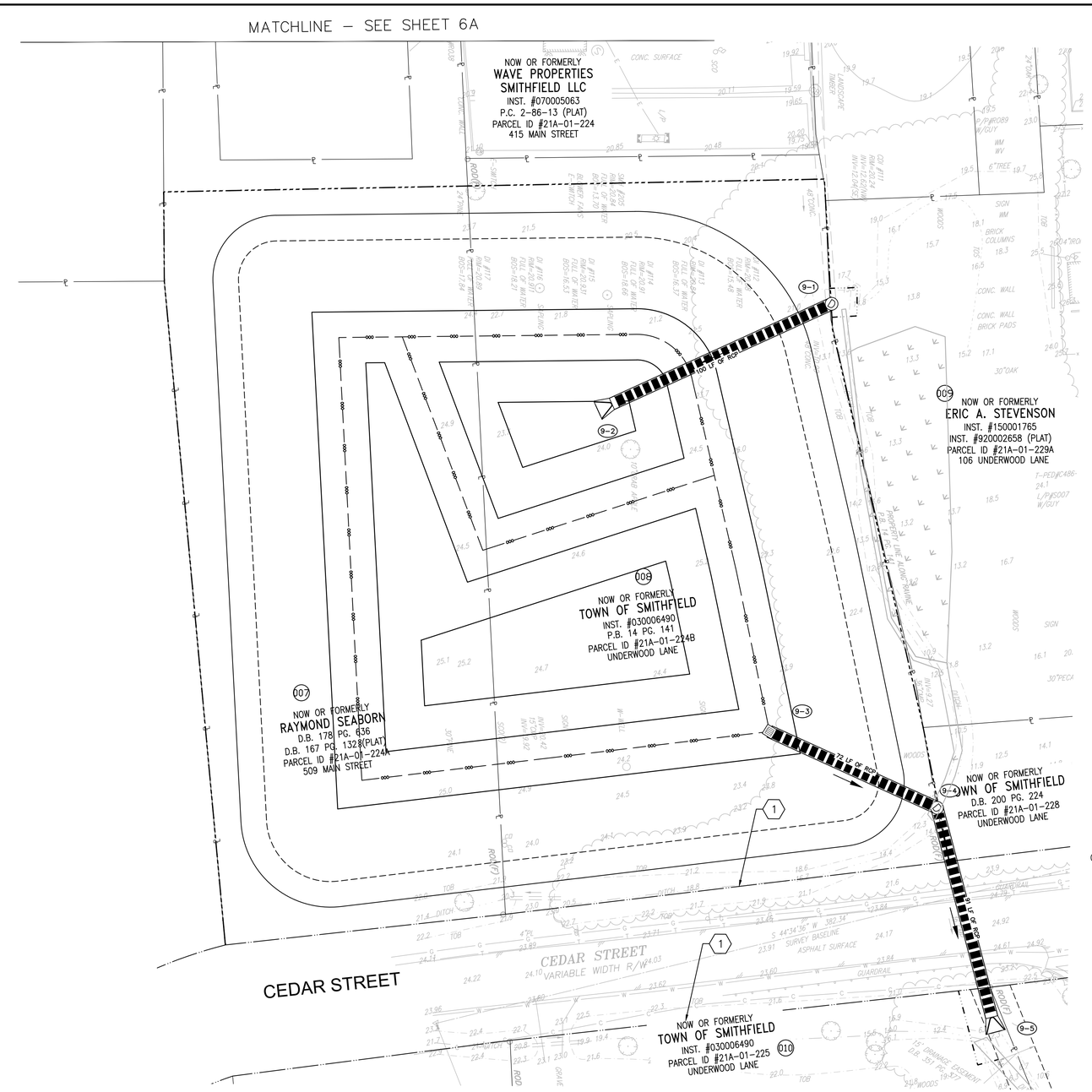

LEGEND

1	EXIST. R/W
2	EXIST. LIMITED ACCESS LINE
3	PROP. R/W
4	TEMP. CONSTR. EASEMENT

NOTES:

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No.	REVISIONS	DATE

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30% PLANS

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

POND PLAN SHEET

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
9A

Plotted By:Monsour, Drew Sheet Set:Kha Layout:9A ROADWAY PLAN January 03, 2024 12:09:29pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\3A ROADWAY PLAN.dwg
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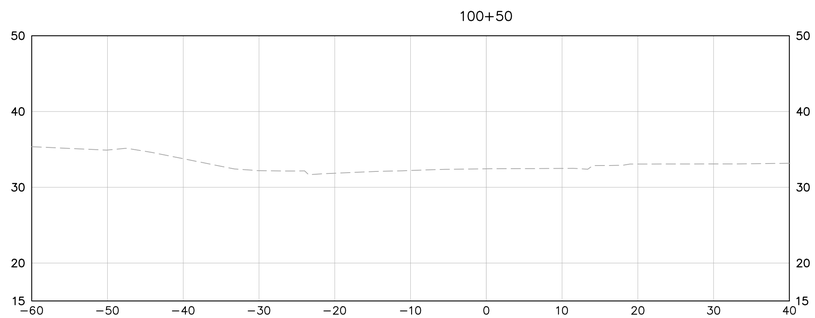

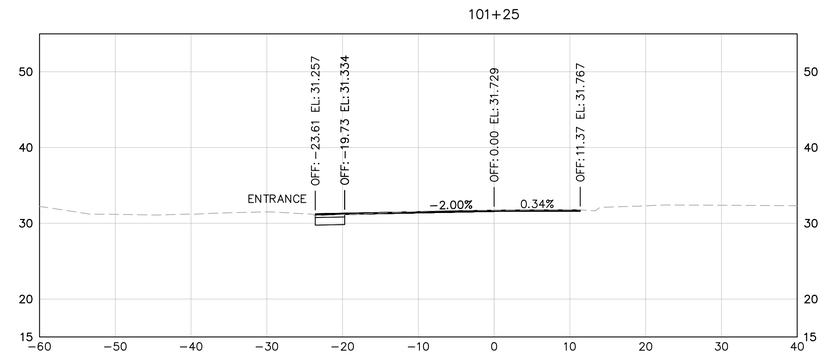

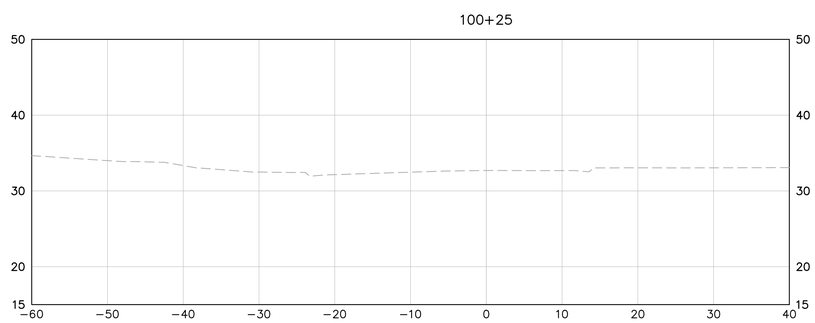

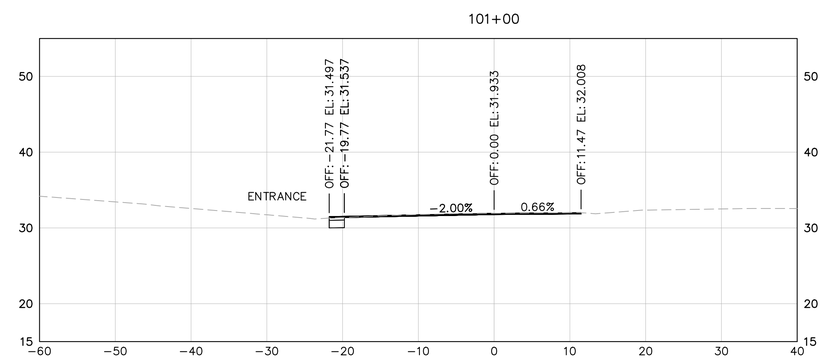

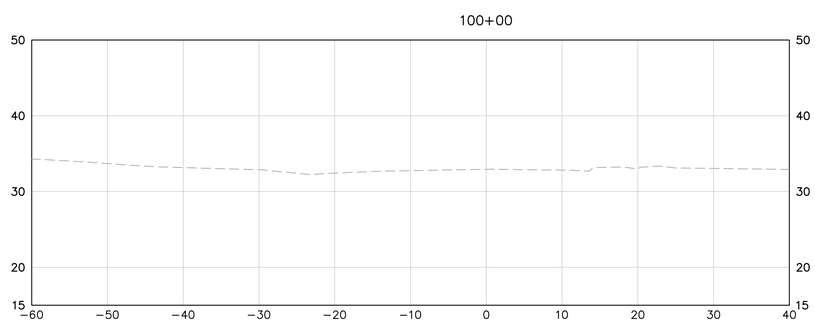

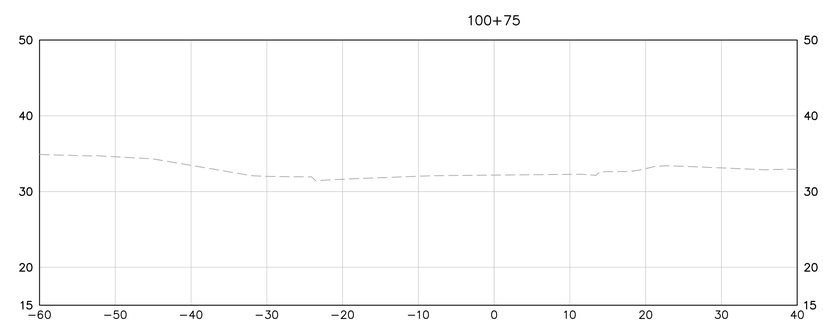

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Kimley-Horn and Associates, Inc.
Virginia Beach, Virginia
Roadway Engineer

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

CROSS SECTIONS STA. 100+00 TO STA. 101+25

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
XS-1

Plotted By:Monsour, Drew Sheet Set:Kha Layout:XS-1 January 03, 2024 12:09:39pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\CROSS SECTIONS.dwg
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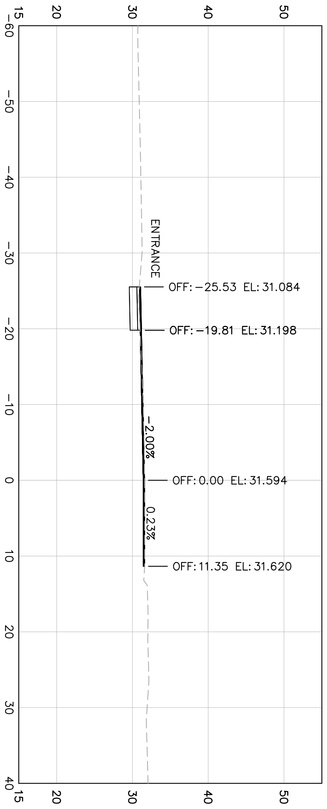

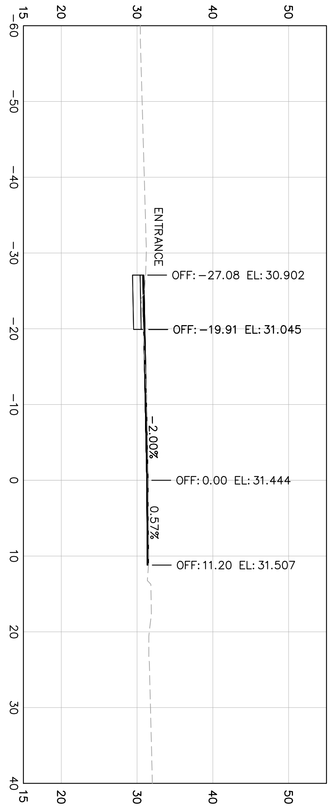

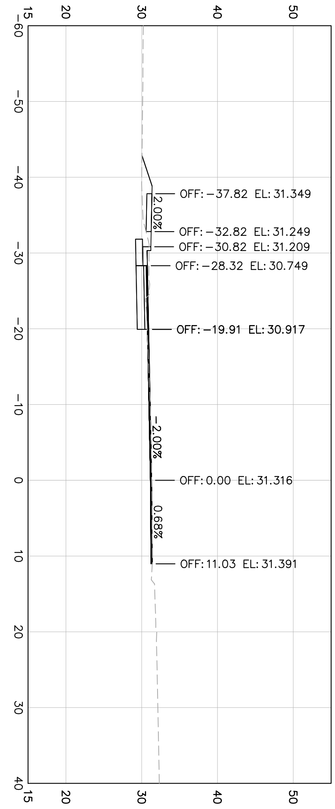

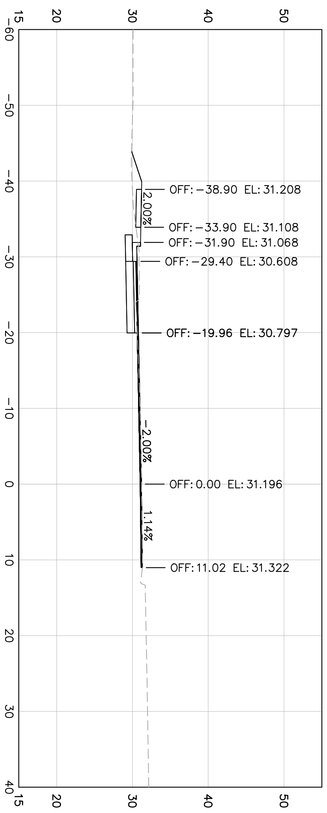

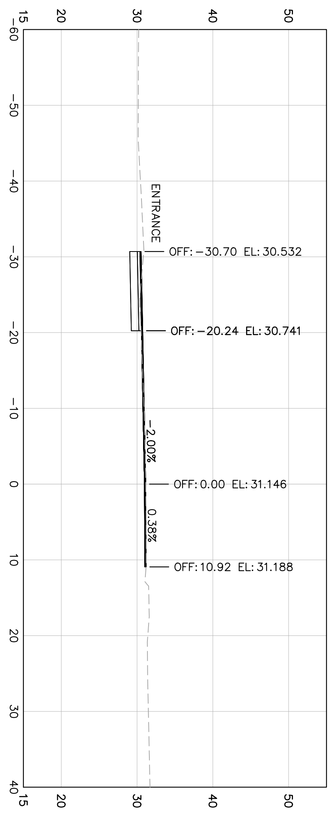

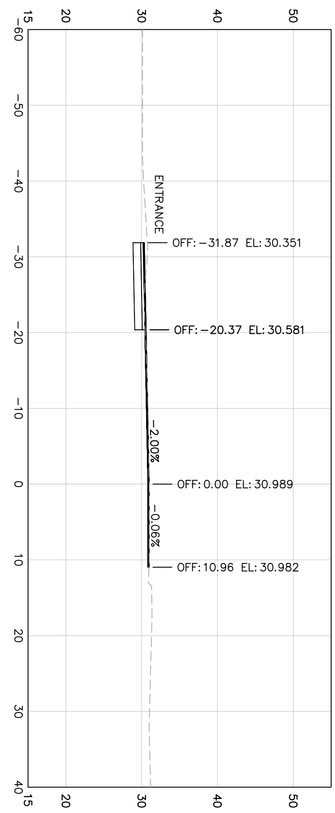

SHEET NUMBER
XS-2

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 101+50 TO
STA. 102+75

KHA PROJECT	117032035
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
CHECKED BY	APF

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

Kimley»Horn
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No.	REVISIONS	DATE

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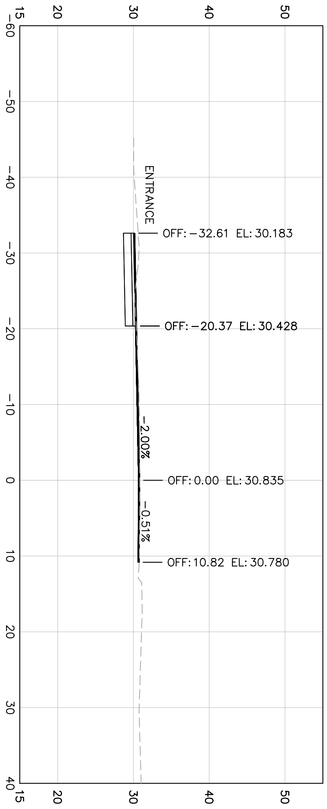

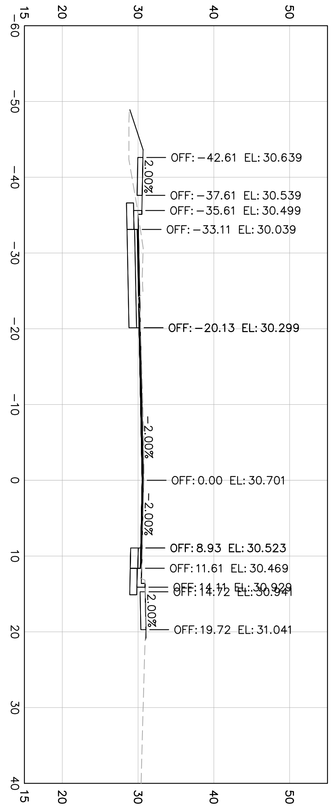

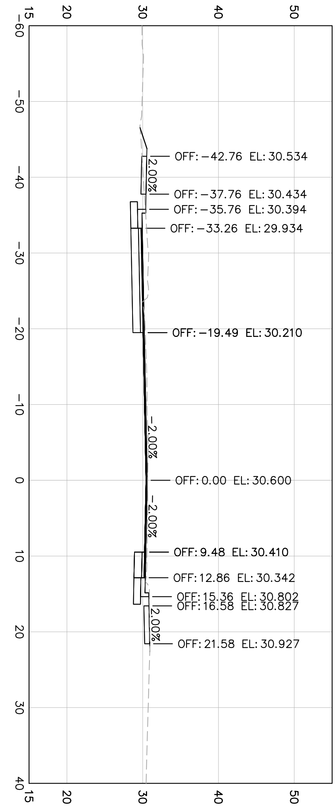

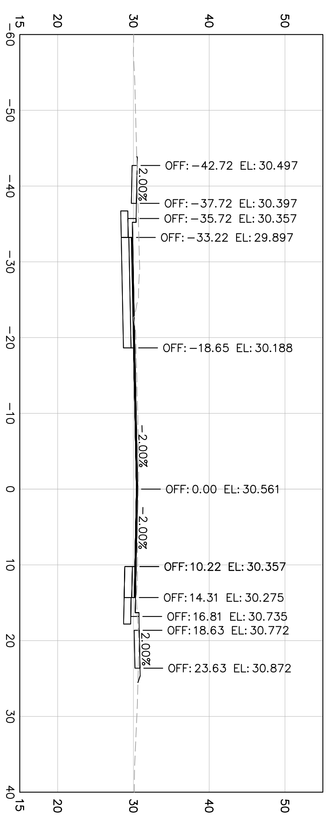

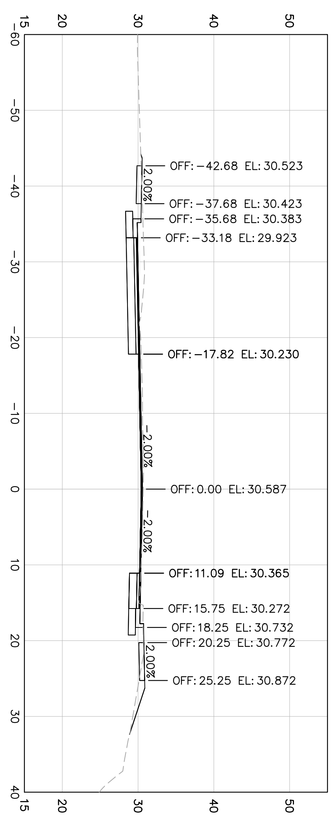

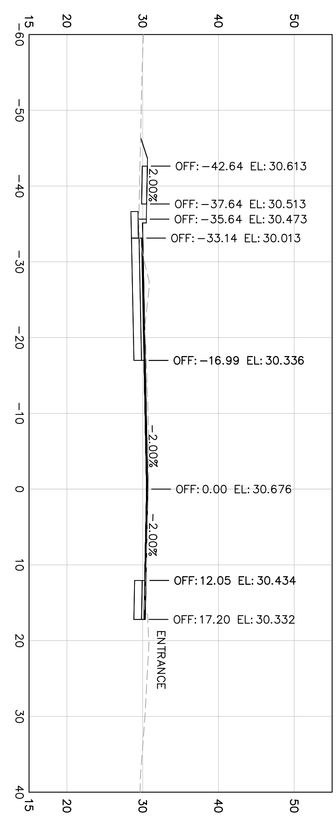

SHEET NUMBER
XS-3

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 103+00 TO
STA. 104+25

KHA PROJECT	117032035
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
CHECKED BY	APF

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

Kimley»Horn

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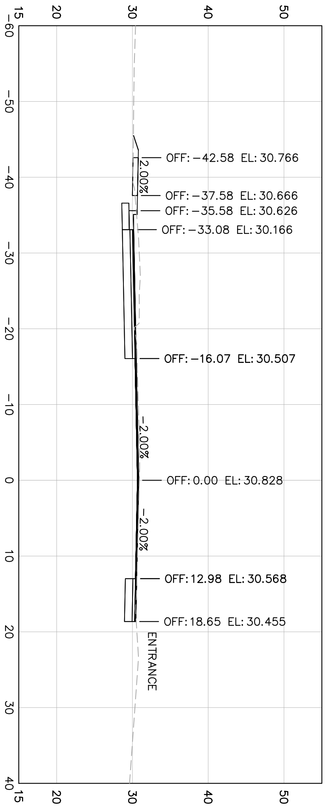

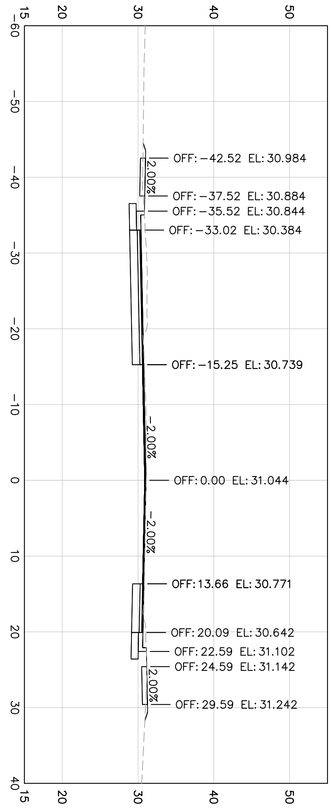

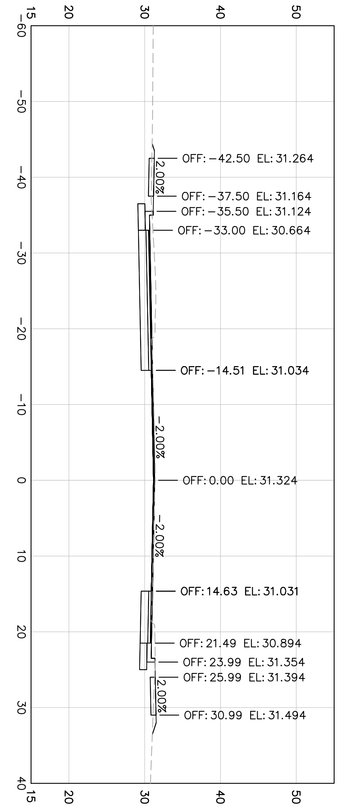

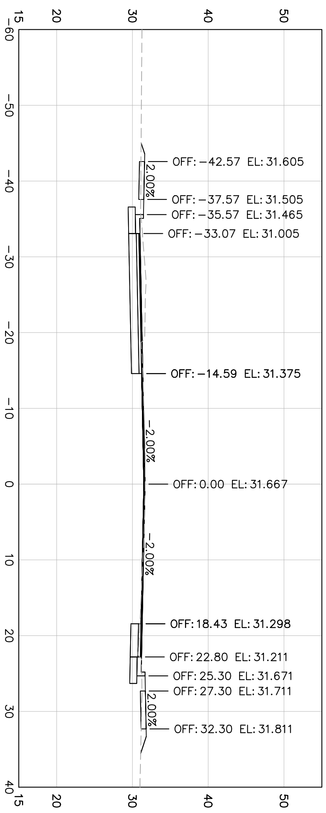

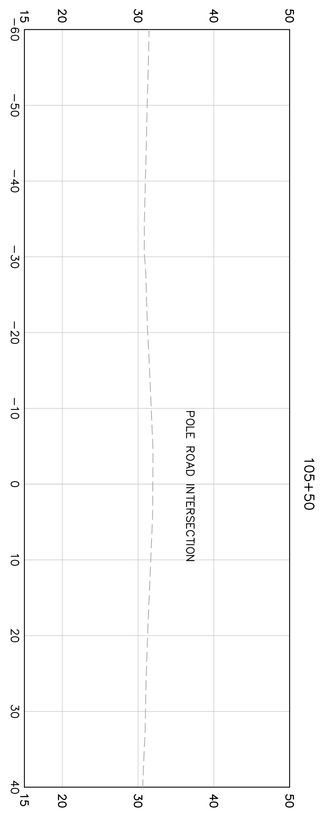

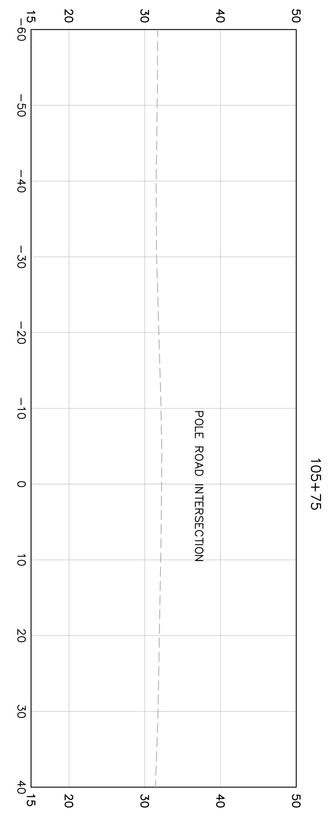

SHEET NUMBER
XS-4

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 104+50 TO
STA. 105+75

KHA PROJECT	117032035
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
CHECKED BY	APF

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

Kimley»Horn
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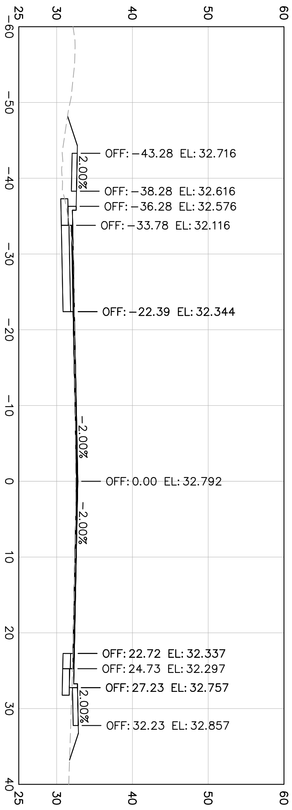

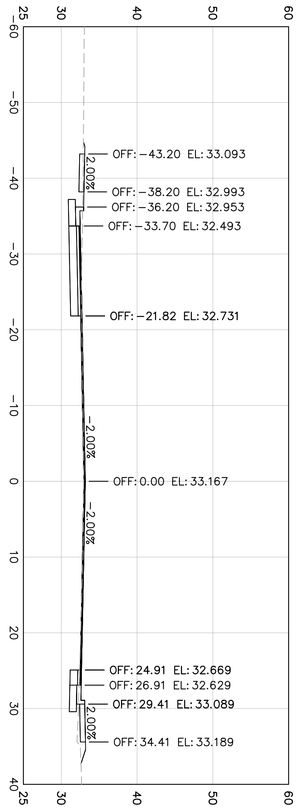

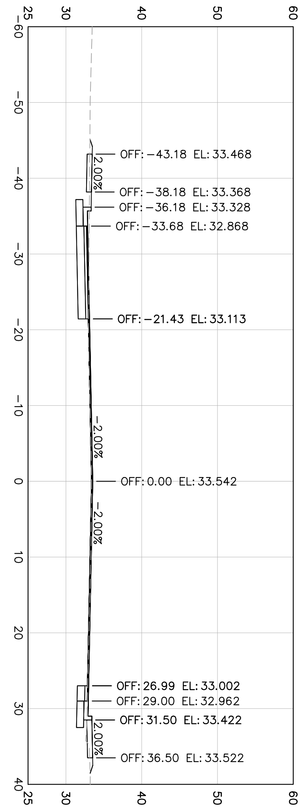

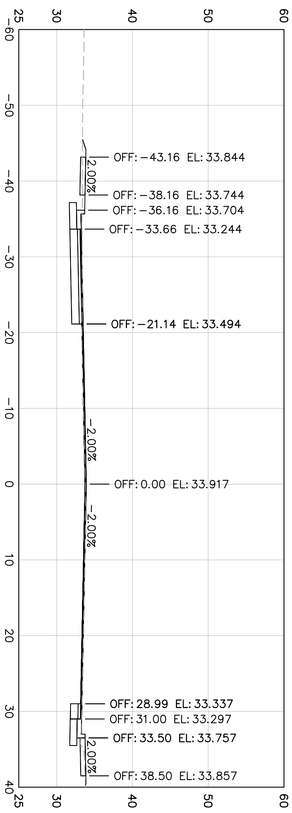

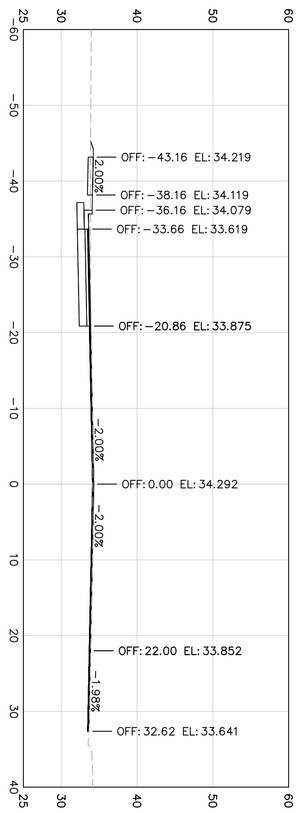

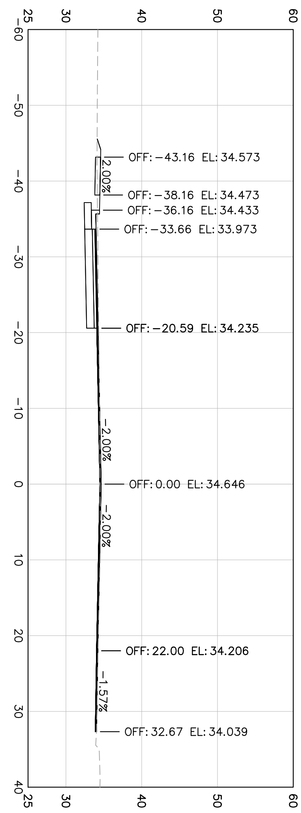

SHEET NUMBER
XS-5

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 106+00 TO
STA. 107+25

KHA PROJECT	117032035
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
CHECKED BY	APF

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

Kimley»Horn

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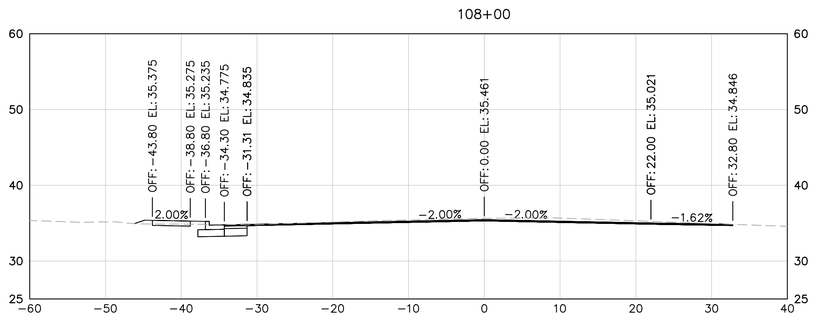
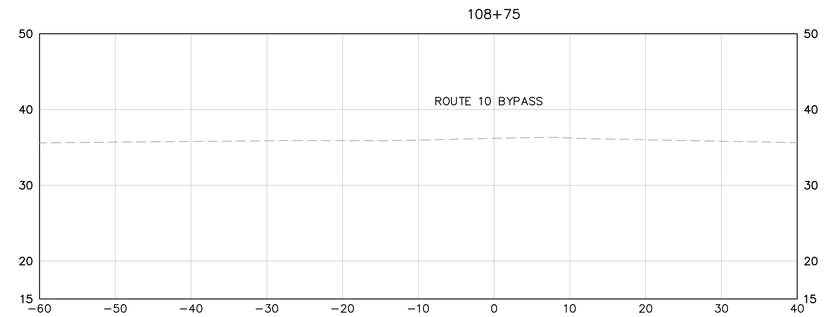
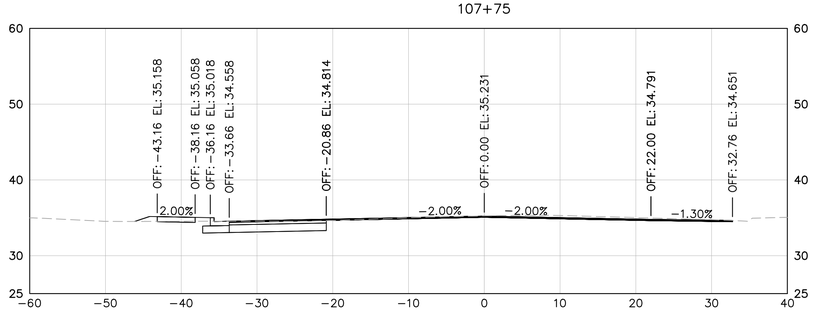
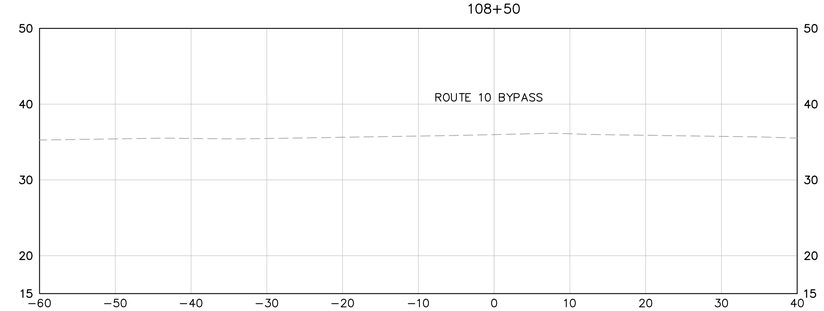
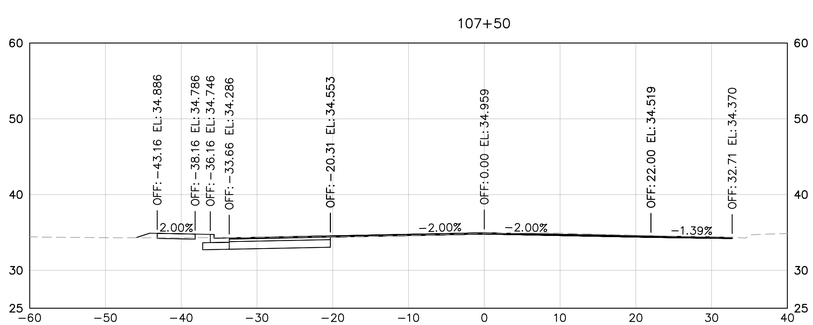
No.	REVISIONS	DATE

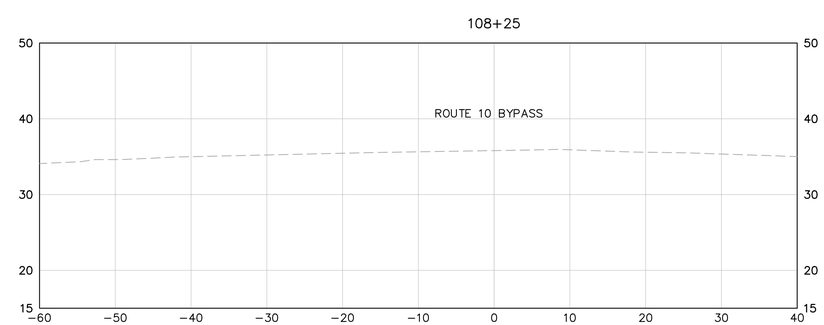












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PHONE: 757-213-8600
WWW.KIMLEY-HORN.COM

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

KHA PROJECT 117032035
DATE 1/03/2024
SCALE AS SHOWN
DESIGNED BY NVR
DRAWN BY NVR
CHECKED BY APF

CROSS SECTIONS STA. 107+50 TO STA. 108+75

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

SHEET NUMBER
XS-6

Plotted By:Monsour, Drew Sheet Set:Kha Layout:XS-6 January 03, 2024 12:09:44pm K:\VAB_RDWY\117032035 - US 258 and Route 10 Intersection\05 - Design\CADD\PlanSheets\CROSS SECTIONS.dwg
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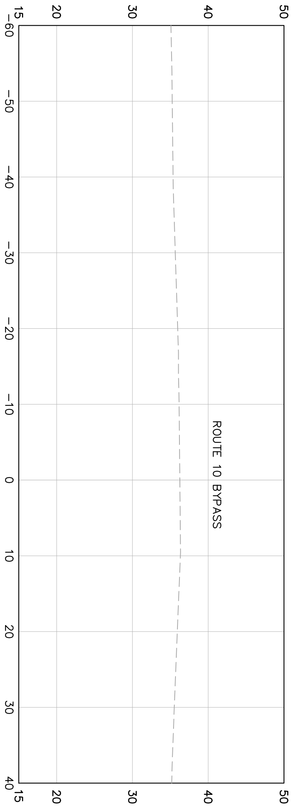

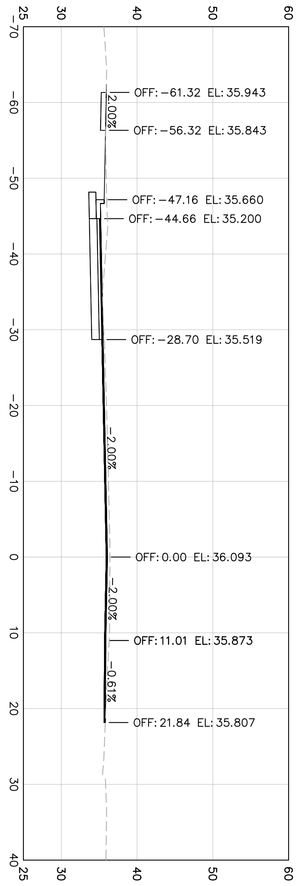

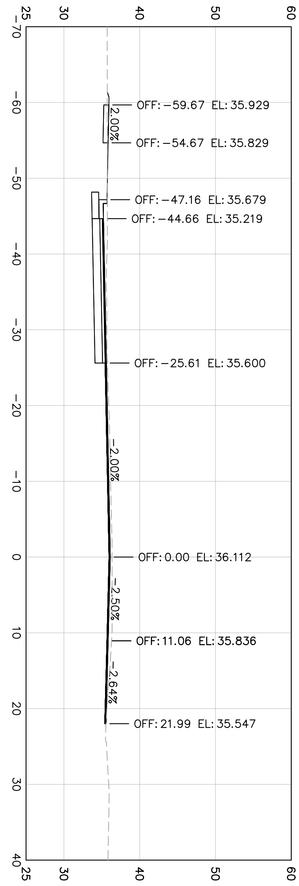

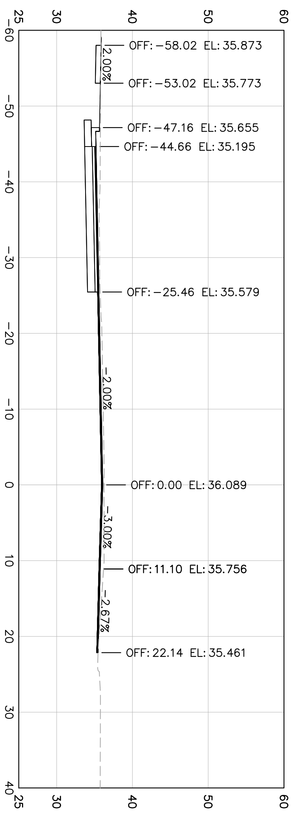

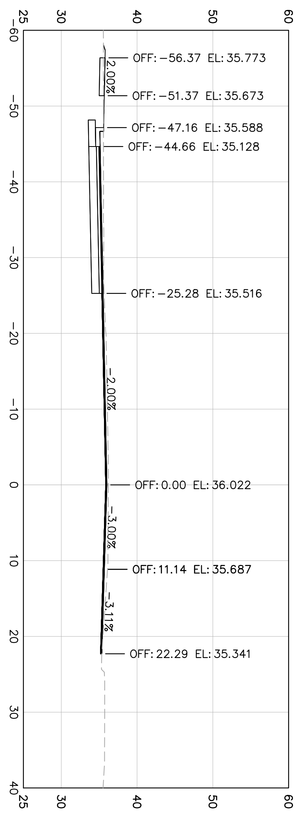

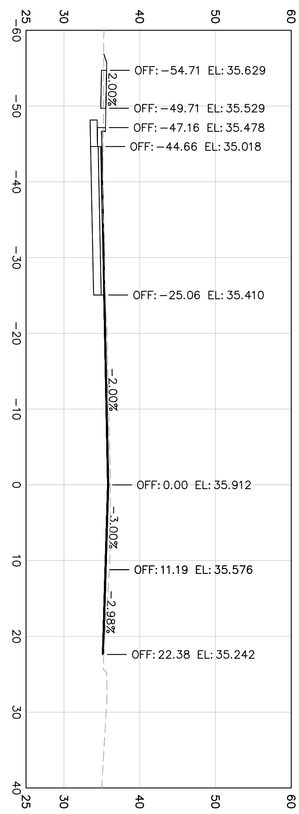

SHEET NUMBER
XS-7

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 109+50 TO
STA. 110+25

KHA PROJECT	117032035
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
CHECKED BY	APF

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

Kimley»Horn

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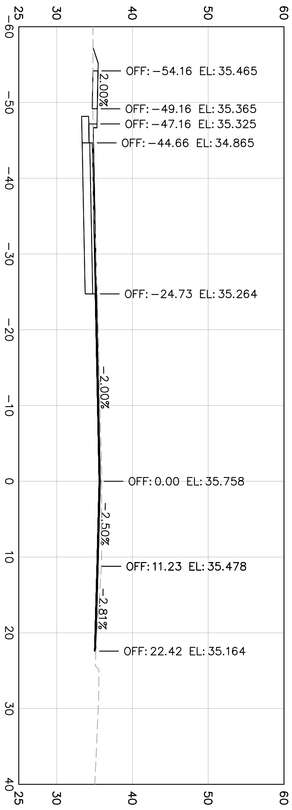

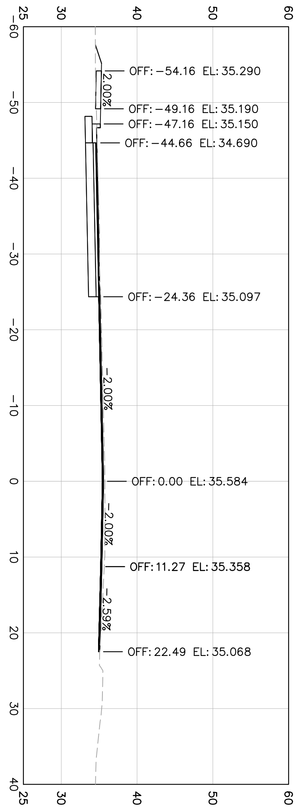

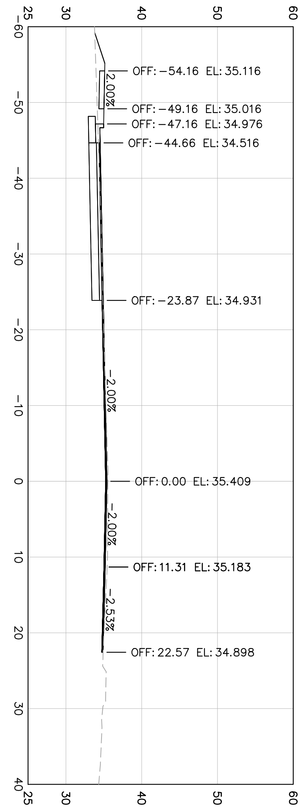

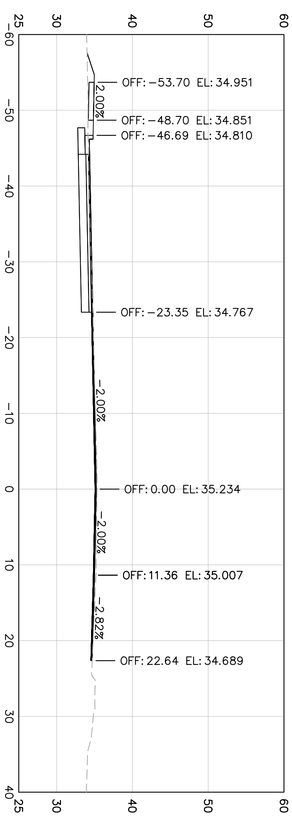

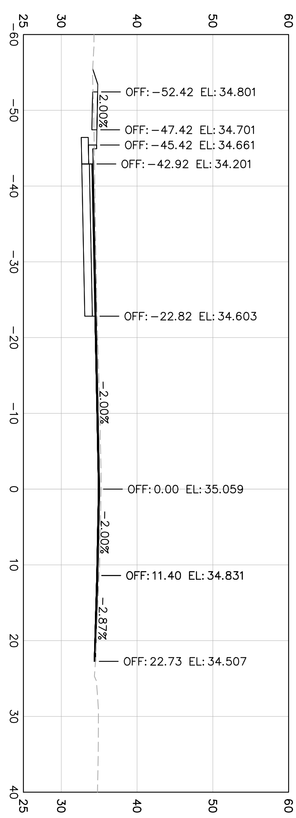

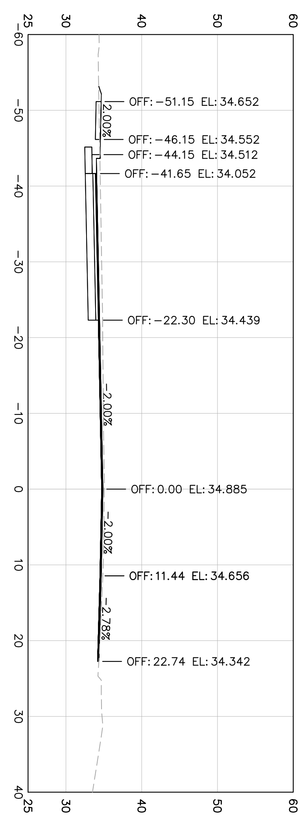

SHEET NUMBER
XS-8

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 110+50 TO
STA. 111+75

KHA PROJECT	117032035
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
CHECKED BY	APF

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

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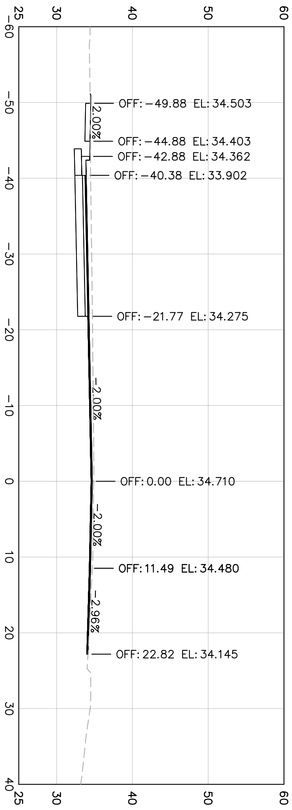

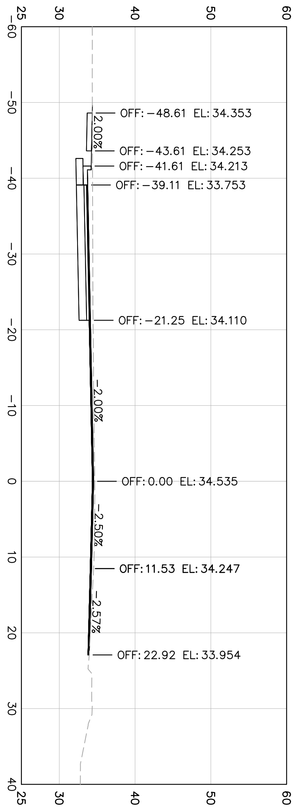

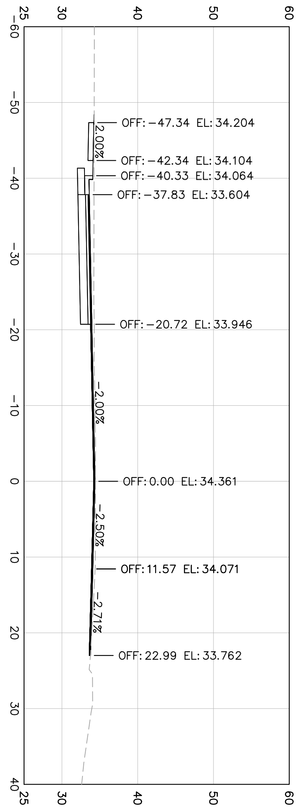

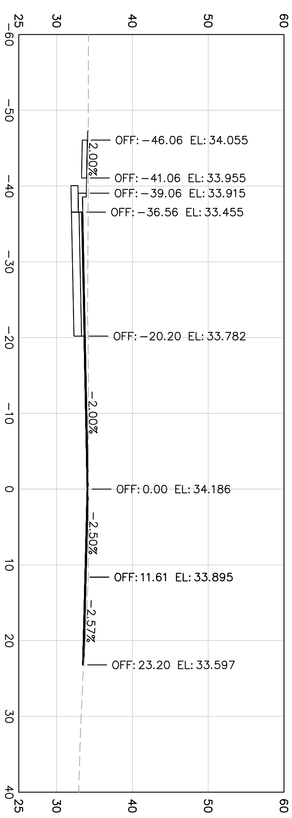

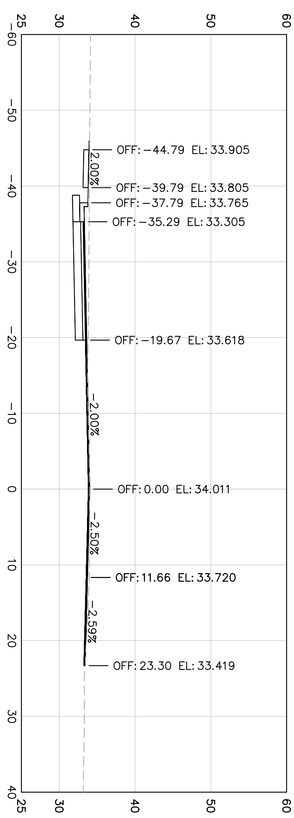

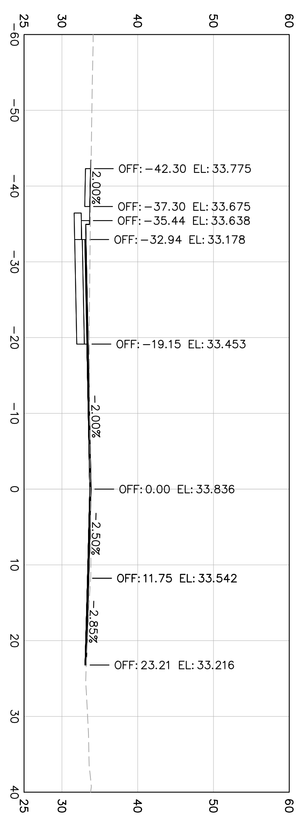

SHEET NUMBER
XS-9

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 112+00 TO
STA. 113+25

KHA PROJECT	117032035
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
CHECKED BY	APF

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

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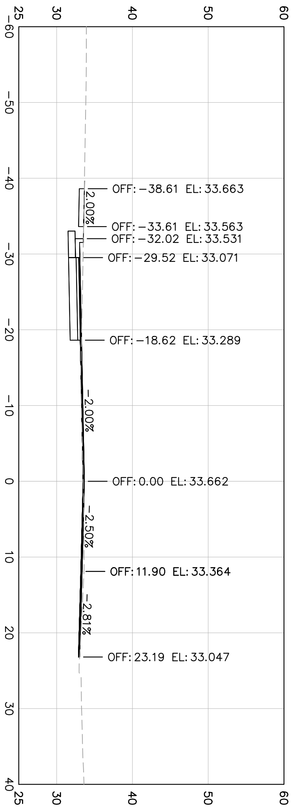

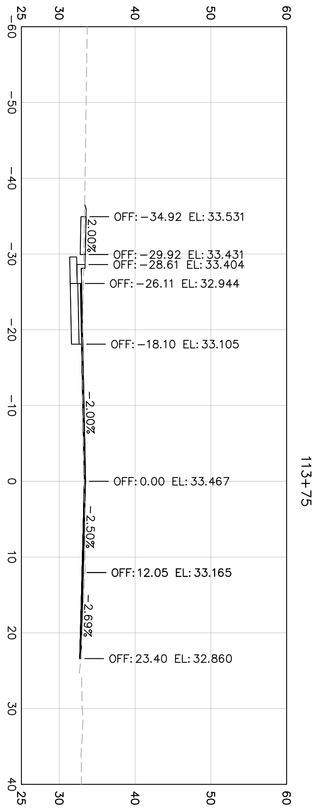

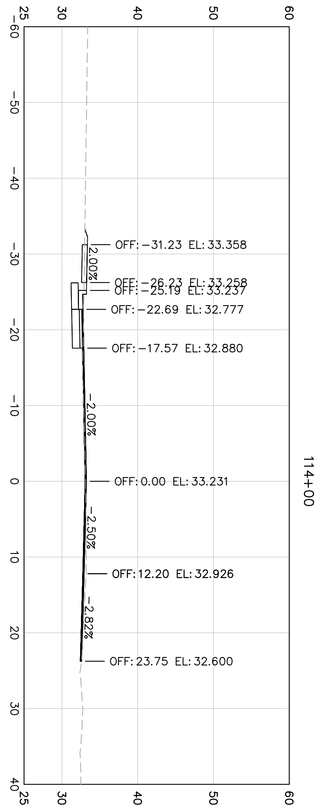

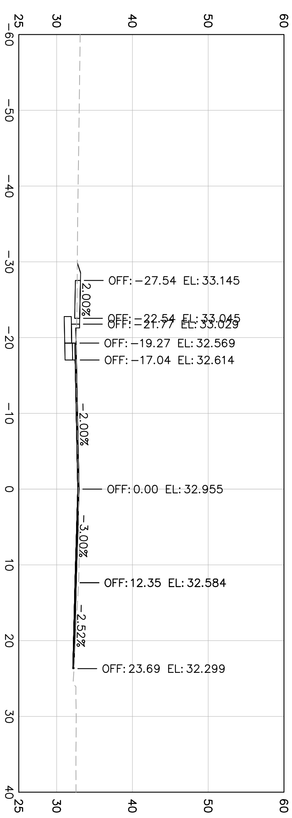

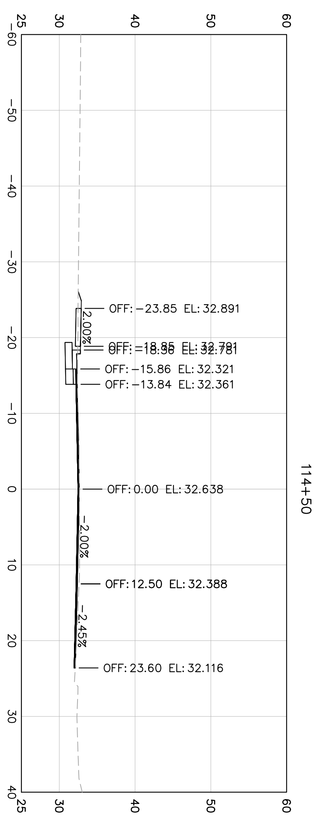

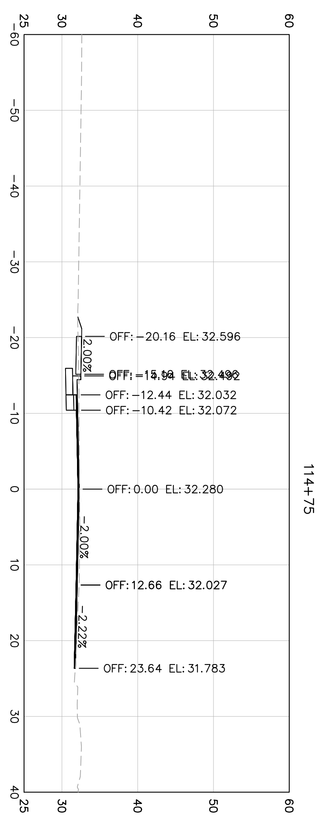

SHEET NUMBER
XS-10

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 113+50 TO
STA. 114+75

KHA PROJECT	117032035
DATE	1/03/2024
SCALE	AS SHOWN
DESIGNED BY	NVR
DRAWN BY	NVR
CHECKED BY	APF

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

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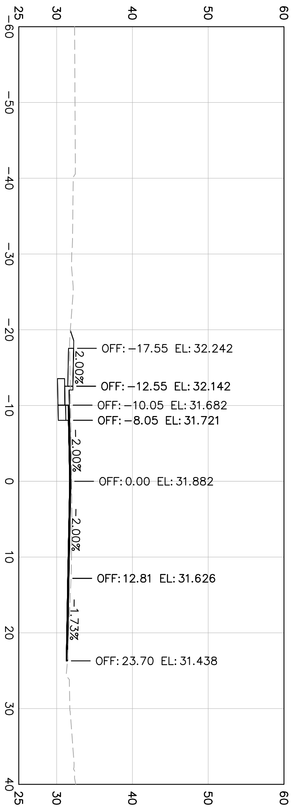

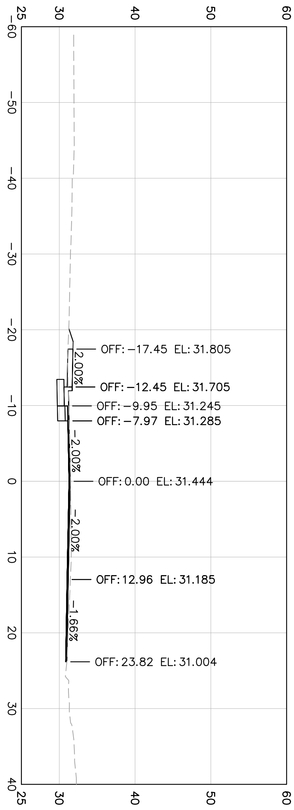

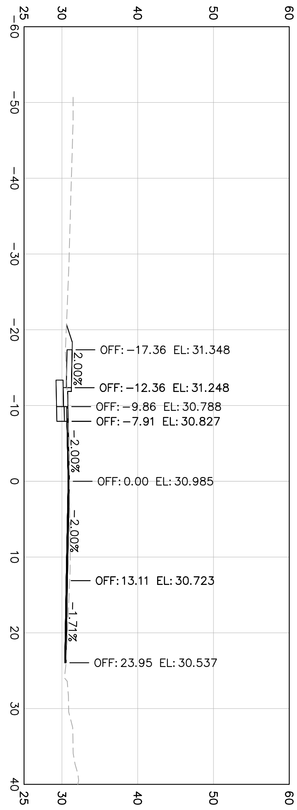

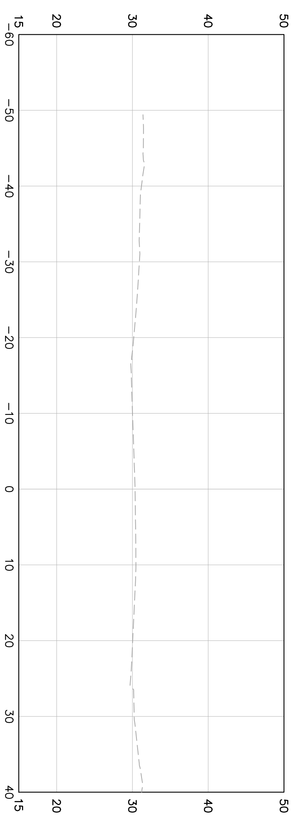

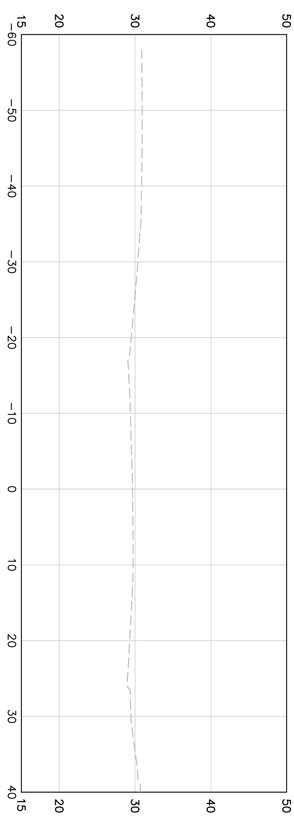

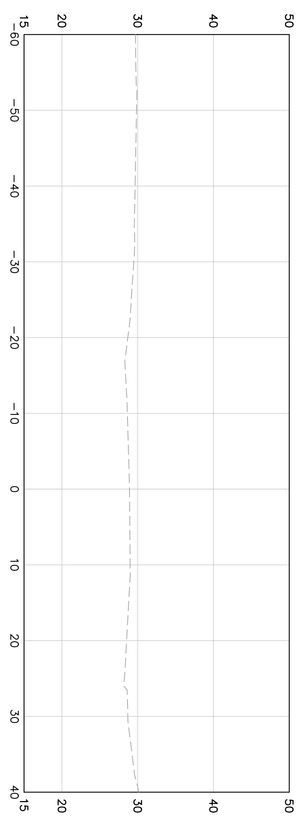

SHEET NUMBER
XS-11

US 258 AT ROUTE 10
BYPASS INTERSECTION
IMPROVEMENTS
PREPARED FOR
ISLE OF WIGHT COUNTY
SMITHFIELD VIRGINIA

CROSS SECTIONS
STA. 115+00 TO
STA. 116+25

KHA PROJECT	117032035
DATE	1/03/2024
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Kimley-Horn and Associates, Inc.
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