CITY OF RICHMOND, VIRGINIA

DEPARTMENT OF PUBLIC WORKS

ENGINEERING AND TECHNICAL SERVICES

OWNER:
CITY OF RICHMOND
DEPARTMENT OF PUBLIC WORKS
900 E BROAD STREET 7TH FLOOR,
RICHMOND, VA
PROJECT MANAGER - WINSTON PHILLIPS
CONTACT # 804-646-5994

AGENT:

Kimley»Horn

KIMLEY–HORN AND ASSOCIATES, INC.
2035 MAYWILL ST SUITE 200,
RICHMOND, VA 23230 23230 PHONE: (804) 673–3882

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

RW PLANS

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

HEY ROAD IMPROVEMENTS

FROM: WALMSLEY BOULEVARD
TO: HULL STREET ROAD (ROUTE 360)

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
	HEY ROAD (ROUTE 953)
CLASSIFICATION	URBAN MAJOR COLLECTOR
From:	WALMSLEY BLVD. (ROUTE 1020)
To:	HULL STREET ROAD (ROUTE 360)
AADT (2020)	WALMSLEY BLVD. TO SNEAD ROAD: 1700 SNEAD ROAD TO HULL STREET ROAD: 3600
D (%)	55%
T (%)	1%
V (MPH)	25 MPH MIN.*
DESIGN VEHICLE	SU-30, S-BUS-40
*	SEE PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL CURVE DESIGN SPEED



VICINITY MAP

SCALE: 1"= 300'

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE CITY OF RICHMOND DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, 2020 VDOT ROAD AND BRIDGE SPECIFICATIONS, 2016 VDOT ROAD AND BRIDGE STANDARDS, 2023 FHWA MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL, AND ALL REVISIONS AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC VERSION OF THE PLAN ASSEMBLY INCLUDING ALL REVISIONS.

THE ORIGINAL SIGNED/APPROVED TITLE SHEET, INCLUDING ORIGINAL SIGNATURES, IS FILED IN THE CITY OF RICHMOND DEPARTMENT OF PUBLIC WORKS OFFICE.

CITY OF RICHMOND

APPROVED FOR RIGHT-OF-WAY	
DATE	SURVEY SUPERINTENDENT
DATE	PROJECT MANAGER
DATE	MAINTENANCE ENGINEER
DATE	CITY TRAFFIC ENGINEER
DATE	CAPITAL PROJECTS ADMINISTRATOR
DATE	CITY ENGINEER
DATE	DIRECTOR OF PUBLIC WORKS

CITY OF RICHMOND

APPROVED FOR CONSTRUCTION	
DATE	SURVEY SUPERINTENDENT
DATE	PROJECT MANAGER
DATE	MAINTENANCE ENGINEER
DATE	CITY TRAFFIC ENGINEER
DATE	CAPITAL PROJECTS ADMINISTRATOR
DATE	CITY ENGINEER
DATE	DIRECTOR OF PUBLIC WORKS

REVISIONS

NO.	DATE	COMMENTS

CONTRACT NO. - 19000021898
UPC - 113295
AWARD NO. - 500448
VDOT PROJECT NO. - U000-127-R31, P101, RW201, C501
FEDERAL PROJECT NO. - STP-5A27(808)

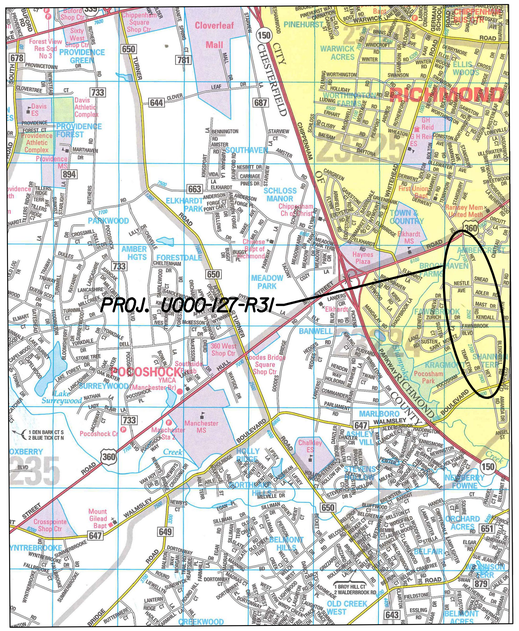
12/19/2025
RW PLANS

DRAWING NO. - O-28888

INDEX OF SHEETS

LOCATION MAP

CITY OF RICHMOND


PROJ. U000-127-R31
RICHMOND
CHESTERFIELD
COUNTY OF
CITY OF RICHMOND
COUNTY OF HENRICO
Cloverleaf Mall
PROVIDENCE GREEN
PROVIDENCE FOREST
SOUTHAVEN
SCHLOSS MANOR
ELKHARDT PARK
PARKWOOD
AMBER HGTS
FORESTDALE
MEADOW PARK
TOWN & COUNTRY
BANWELL
POCOSHOCK
SURREYWOOD
MARLBORO
WAMBLEY
OXBERRY
WESTOVER HILLS
OLD CREEK WEST
BELMONT ACRES
MANCHESTER
WARWICK ACRES
PINEHURST
ELLIS PARK
MULBERRY TOWNE
ORCHARD ACRES
ENTRIEKIN
ENTRIEKIN PARK
CRESTWOOD
Pocoshock Creek
Swift Creek
Manchester MS
Crosspointe Baptist
Mount Gilead Baptist
Chalkley ES
Southside YMCA
360 West Shop Ctr
Sides Bridge Square Shop Ctr
Kroger Plaza
Kroger
Pocoshock Park
Kraemer Park
Forest View Res Sec No 1
Davis ES
Providence MS
Providence Athletic Complex
Providence Park
Providence Forest Athletic Complex
Providence Forest Park
Providence Forest Pool
Providence Forest Golf Course
Providence Forest Clubhouse
Chesterfield Christian Church
Chesterfield Presbyterian Church
Chesterfield Baptist Church
Chesterfield Methodist Church
Chesterfield Fire Station No 5
Chesterfield Police Dept
Chesterfield Courthouse
Chesterfield Library
Chesterfield Co Public Schools
Chesterfield Co Parks & Recreation
Chesterfield Co Fire Dept
Chesterfield Co Police Dept
Chesterfield Co Courthouse
Chesterfield Co

RIGHT OF WAY DATA SHEET

PARCEL NO.	LANDOWNER	SHEET NO.	AREA							
			TOTAL PER PLAT, DEED, or SURVEY		FEE TAKING	FEE REMAINDER	EASEMENTS			
							PERMANENT EASEMENT	UTILITY EASEMENT	TEMPORARY CONSTR. EASEMENT	PROFFERS
			SQ. FEET	ACRES	SQUARE FEET	ACRES (APPROX.)	SQUARE FEET	SQUARE FEET	SQUARE FEET	YES / NO
001	IRVIN STEIN AND PATRICIA STEIN	3		0.30		0.300 +/-			1709	
002	RAMON A. MORALES	3		0.336	107	0.334 +/-			1471	
003	JAR STRATEGIES, LLC	3		0.37	650	0.355 +/-			1686	
004	BERNARD F. BURCHETT AND MARGARET F. BURCHETT	3		0.32	507	0.308 +/-			1952	
005	JOHN M. HAWKINS, JR.	3		0.42		0.420 +/-			686	
006	KUNTHEA VANN CASSO	3		0.530		0.530 +/-		180	369	
007	SARA JUDITH AGUILAR	3 & 4		0.451		0.451 +/-		946	1553	
008	ROBERT T. JOHNSON	4		0.509	586	0.496 +/-		1337	1638	
009	KEITH A. GRAVES AND DELORIS A. GRAVES	4		0.339	400	0.330 +/-		878	1869	
010	BRYAN MARTIN WILLIAMS	4		1.713	1490	1.679 +/-		3063	3249	
011	BRYAN MARTIN WILLIAMS	4		2.356	60282	0.972 +/-		294	947	
012	CHERYL A. MOORE	4		0.4201		0.4201 +/-	850	767	787	
013	WILLIE JAMES WALKER	4		0.241		0.241 +/-		615	269	
014	JARINA MICHELE BROWN	4 & 5		0.241		0.241 +/-		454	268	
015	CHRISTY WOODY AND GERALD WOODY	5		0.238		0.238 +/-			288	
016	THERESA IRVIN AND PHILIP IRVIN	5		0.222	165	0.218 +/-		228	663	
017	ODETTA JOHNSON	5		0.225	161	0.221 +/-	376		505	
018	DARLENE E. HAYES	5		0.225	64	0.224 +/-			1122	
019	CITIZENS REAL ESTATE ESTATE HOLDINGS INC.	5		0.222		0.222 +/-			789	
020	TRISHONDA M. GILL	5		0.247		0.247 +/-		113	730	
021	CHRISTOPHER SLEMAKER	5		0.894	891	0.874 +/-		1865	2376	
022	JOSUE ORLELLANA FUENTES	5 & 6		1.00	1004	0.977 +/-		2009	2427	
023	JOSUE ORLELLANA FUENTES	6		1.005	1093	0.980 +/-		2070	2337	
024	VICTOR M. SANTARUZ CRESPIN	6		0.53	1132	0.504 +/-		1911	2027	
025	THOMASINE ROGERS AND CASSIE CLARK	6		1.262	1319	1.232 +/-		1863	1777	
026	DOROTHY H. FORBES	6		1.01	1218	0.982 +/-		270	2091	
027	KAREN ZOELLNER HOGAN	6		0.531	1272	0.502 +/-	307		1130	
028	CANDY S. SMITH	6 & 7		0.413		0.413 +/-			809	
029	ROMEO A RESINOS	7		0.458	626	0.444 +/-			1280	
030	EDWIN G. SAZO	7		1.00	3175	0.927 +/-		1529	1474	
031	(NOT USED)									
032	GERALD R. MARTIN AND PAULA E. MARTIN	7		5.07	7946	4.888 +/-		7759	5705	
033	2122/2120 HEY ROAD SERIES OF LUCKY RUN HOLDINGS BUSINESS TRUST	7		1.3	652	1.285 +/-		2574	3091	
034	JAMES D. SATTERWHITE, SR AND KANDY C. SATTERWHITE	7 & 8		0.77	28071	0.126 +/-		604	937	
035	LENA ESTHER HAAS AND AARON CHRISTIAN HAAS	8		0.89	461	0.879 +/-	497		3667	
036	AARON C. HAAS	8		0.208	495	0.197 +/-			1858	
037	OSCAR GUTIERREZ	3		0.249		0.249 +/-			954	
038	DANIEL N. GEORGE	3		0.330	260	0.324 +/-	356		1258	
039	JESUS CERRITOS	3		0.713	919	0.692 +/-	294		908	
040	PENNY L. HOLCOMB	3		0.405	968	0.383 +/-	372		981	
041	BILLY DIX AND EMMA C. DIX	3		0.356	881	0.336 +/-	397	191	754	
042	MARIA A CARDENAS LOPEZ	3		0.385	877	0.365 +/-		190	1027	
043	ADAM TODD RAMSEY	3		0.538	984	0.515 +/-		190	1069	
044	HEIDI G. MORALES	3 & 4		0.500	880	0.480 +/-			1153	
045	ROLAND A. DELAINE	4		0.501	794	0.483 +/-			933	
046	WILLIE J. MAYFIELD AND MARGARET Y. MAYFIELD	4		0.74	255	0.734 +/-			550	
047	WILLIE J. MAYFIELD AND MARGARET Y. MAYFIELD	4		0.390	982	0.367 +/-			1342	
048	MARIO TAPERIA LUIS	4		0.448	599	0.434 +/-			870	
049	GEORGE W. HUSKERSON AND BERNICE B. HUSKERSON	4		0.504	763	0.486 +/-	98		1729	
050	TERESA D. WALTZ AND DOUGLAS W. WALTZ AND DIANN STEVENS	4		0.598	835	0.579 +/-	793	232	2413	
051	TERESA D. WALTZ AND DOUGLAS W. WALTZ AND DIANN STEVENS	4		0.319	39	0.318 +/-	290		125	
052	EARNIE L. POWERS AND MARGIE W. POWERS	4 & 5		0.75	2162	0.700 +/-	337		3817	
053	EARNIE L. POWERS, SR. AND MARGIE W. POWERS	5		0.241	524	0.229 +/-		74	541	
054	CURTIS E. HAW, JR.	5		0.827		0.827 +/-	773	2570	1827	
055	MARK ELY AND JAYTON HOWARD	5		1.00		1.000 +/-		32	1755	
056	DAYLE Z. WILLIAMS	5 & 6		0.327		0.327 +/-	403		1080	
057	STEVEN JONES AND EMILY HAYES-JONES	6		0.331		0.331 +/-	380	832	1218	
058	JAMES COLIN WILKINSON, JR. AND GLADYS WALLACE WILKINSON	6		0.308	503	0.296 +/-		88	1125	
059	JAMES COLIN WILKINSON, JR. AND GLADYS WALLACE WILKINSON	6		0.691	601	0.677 +/-			877	
060	TRM PROPERTIES, LLC	6		1.0	931	0.979 +/-			2965	

RW PLANS

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Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\RIGHT OF WAY DATA SHEET.dwg 1B(1) RIGHT OF WAY DATA SHEET Dec. 19, 2025 6:30pm by: Zachary.Santy
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No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
RIGHT OF WAY DATA SHEET

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE	DATE 12/19/2025	SHEET 1B(1)	DRAWING NO. B-29095

RIGHT OF WAY DATA SHEET

PARCEL NO.	LANDOWNER	SHEET NO.	AREA							
			TOTAL PER PLAT, DEED, or SURVEY		FEE TAKING	FEE REMAINDER	EASEMENTS			
							PERMANENT EASEMENT	UTILITY EASEMENT	TEMPORARY CONSTR. EASEMENT	PROFFERS
			SQ. FEET	ACRES	SQUARE FEET	ACRES (APPROX.)	SQUARE FEET	SQUARE FEET	SQUARE FEET	YES / NO
061	LINDA A. KIRBY	6		0.43		0.430 +/-		156	815	
062	PAUL A. SMITH AND VICKAY M. SMITH	6 & 7		0.48	589	0.466 +/-	534		1120	
063	(NOT USED)									
064	(NOT USED)									
065	KATHY R. BROWN	7		1.400	2621	1.340 +/-			725	
066	ELIZABETH F. ROBERTSON	7		1.3249	2438	1.269 +/-			1243	
067	JUAN TARDIDO AND LEOBARDO ROMERO	7		1.41	2398	1.355 +/-			1877	
068	LESLIE CROWE AND SAMUEL CROWE	7 & 8		2.59		2.590 +/-			10158	
069	(NOT USED)									
070	(NOT USED)									
071	(NOT USED)									
072	CURTIS E. HAW, JR.	5		0.416		0.416 +/-		1441	756	

DEMOLITION SUMMARY

SHEET NO.	PARCEL NO.	DEMOLITION NO.	U000-127-R31					
			LANDOWNER	STATION RT./LT.	DESCRIPTION	INCLUDED IN CONTRACT		NOT IN CONTRACT
						DEMOLITION OF STRUCTURE (LS)	CLEARING OF PARCEL (LS)	ITEMS TO BE REMOVED BY OTHERS (LS)
3	003	901	RALPH JONES	102+98 LT	WOODEN FENCE		1	
3	004	902	BERNARD F. BURCHETT & MARGARET F. BURCHETT	103+22 LT	CHAIN LINK FENCE		1	
6	022	903	JOSUE ORLELLANA FUENTES	122+63 LT	WOODEN FENCE		1	
6	023	904	JOSUE ORLELLANA FUENTES	123+70 LT	WOODEN FENCE		1	
6	028	401	CANDY S. SMITH	129+62 LT	MASONRY MAILBOX	1		
7	028	905	CANDY S. SMITH	130+26 LT	CHAIN LINK FENCE		1	
7	033	906	JAMES D. SATTERWHITE & KANDY C. SATTERWHITE	136+83 LT	WOODEN SPLIT RAIL FENCE		1	
8	035	907	LENA ESTHER HAAS & AARON CHRISTIAN HAAS	141+00 LT	CHAIN LINK FENCE		1	
4	048	908	MARY L. STEWART	110+74 RT	WOODEN FENCE		1	
4	049	402	GEORGE W. HUSKERSON & BERNICE B. HUSKERSON	111+32 RT	BRICK WALL/COLUMNS			
4	049	403	GEORGE W. HUSKERSON & BERNICE B. HUSKERSON	112+09 RT	BRICK COLUMN	1	1	
4	049	909	GEORGE W. HUSKERSON & BERNICE B. HUSKERSON	112+09 RT	WOODEN FENCE			
4	050	404	TERESA D. & DOUGLAS 2. & STEVENS DIANN WALTZ	113+35 RT	BRICK WALL	1		
5/6	056	910	DAYLE Z. WILLIAMS	122+00 RT	CHAIN LINK FENCE		1	
6	057	911	STEVEN JONES & EMILY HAYES	123+84 RT	CHAIN LINK FENCE		1	
6	061	405	LINDA A. KIRBY	128+81 RT	BRICK WALL	1		
6	062	406	PAUL A. SMITH & VICKAY M. SMITH	129+04 RT	MASONRY MAILBOX	1		
TOTALS						5	11	

RW PLANS

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Drawing name: K:\RIC_TP1\013357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\RIGHT OF WAY DATA SHEET.dwg 18(2) RIGHT OF WAY DATA SHEET Dec. 20, 2025 10:39am by: Zachary.Santy
This document, together with the concepts and designs presented herein, as 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.

No.	REVISIONS	DATE	BY

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Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
RIGHT OF WAY DATA SHEET

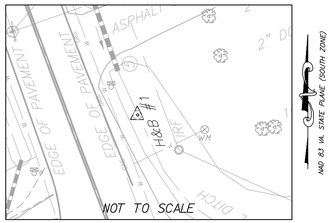
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

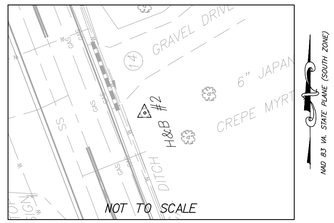
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

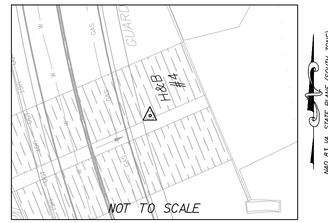
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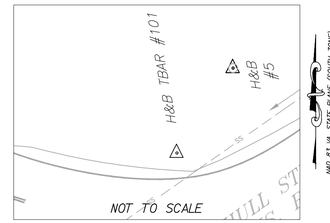
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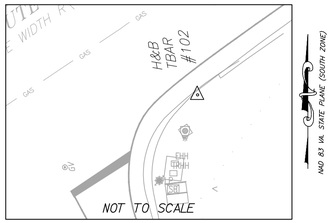
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1	3,696,477.286	11,772,621.820	203.430	CPIRS
2	3,696,851.172	11,772,480.880	211.227	CPIRS
4	3,700,281.666	11,771,907.060	171.283	CPIRS
5	3,700,728.950	11,771,826.990	178.517	CPIRS
101	3,700,705.220	11,771,811.310	178.320	TBAR
102	3,700,675.910	11,771,903.970	178.310	TBAR
103	3,700,601.910	11,771,798.400	177.580	TBAR
104	3,700,643.390	11,771,725.030	177.850	TBAR
1003	3,697,220.712	11,772,305.810	200.671	CPIRS
1004	3,697,518.112	11,772,193.180	191.943	CPIRS
1005	3,697,798.408	11,772,148.860	190.090	CPIRS
1006	3,698,170.619	11,772,177.280	208.336	CPIRS
1007	3,698,472.521	11,772,140.460	210.554	CPIRS
1008	3,698,721.726	11,772,163.810	212.470	CPIRS
1009	3,699,007.895	11,772,163.370	215.680	CPIRS
1010	3,699,331.009	11,772,157.040	209.976	CPIRS
1011	3,699,693.454	11,772,087.940	197.185	CPIRS
1012	3,699,956.753	11,772,018.490	183.192	CPIRS
1015	3,700,603.090	11,771,855.620	176.710	TBAR

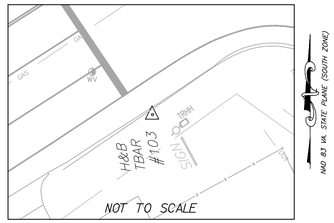


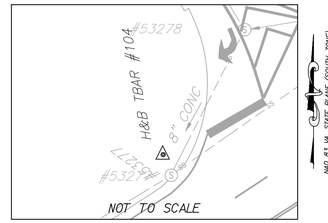


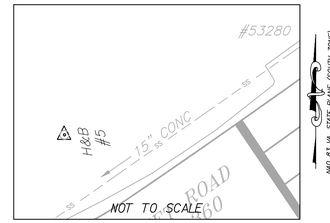


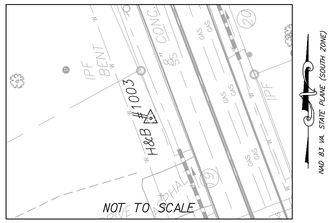


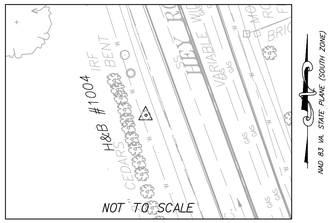


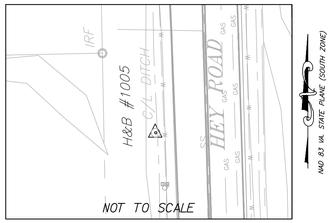


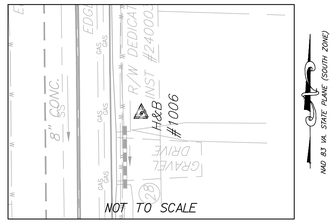


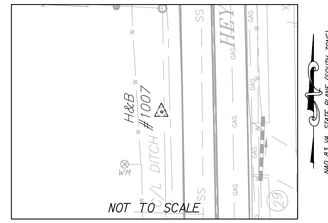


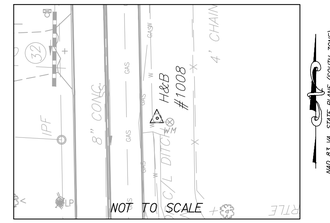


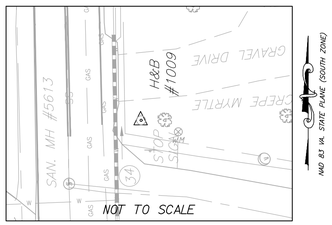


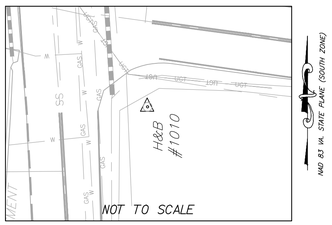


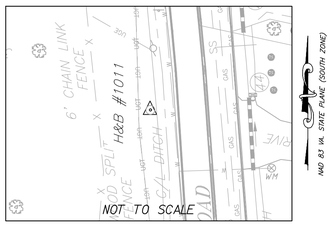


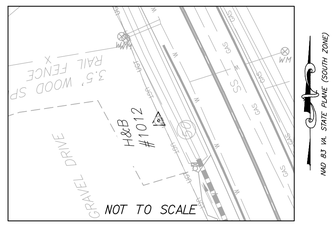


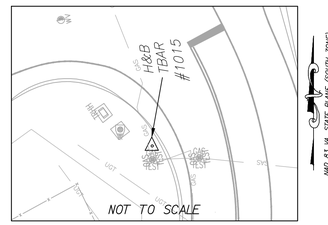












RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
SURVEY ALIGNMENT DATA SHEET

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE	DATE 12/19/2025	SHEET ID	DRAWING NO. 0-28888

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\1D SURVEY ALIGNMENT DATA.dwg 1D SURVEY ALIGNMENT DATA SHEET Dec 19, 2025 6:31pm by: Zachary.Sanly
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Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

CONSTRUCTION ALIGNMENT DATA SHEET

Alignment: POCOSHAM DRIVE
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	10+00.000	3696854.889	11772460.2
PI:	11+00.000	3696826.669	11772364.27
Tangent Data			
Parameter	Value	Parameter	Value
Length:	100'	Course:	S 73° 36' 30" W

Alignment: BLENDWELL ROAD
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	20+00.000	3697668.916	11772171.49
PC:	20+14.364	3697671.217	11772185.67
Tangent Data			
Parameter	Value	Parameter	Value
Length:	14.364'	Course:	N 80° 47' 03" E

Curve Point Data: BLEN_1			
Description	Station	Northing	Easting
PC:	20+14.364	3697671.217	11772185.67
PI:		3697720.571	11772177.66
PT:	20+25.689	3697674.276	11772196.55
Circular Curve Data			
Parameter	Value	Parameter	Value
Delta:	12° 58' 40"	Type:	LEFT
Radius:	50.00'		
Length:	11.325'	Tangent:	5.687
Mid-Ord:	0.32'	External:	0.322
Chord:	11.301'	Course:	N 74° 17' 43" E

Tangent Data			
Description	Station	Northing	Easting
PT:	20+25.689	3697674.276	11772196.55
PI:	21+00.000	3697702.346	11772265.35
Tangent Data			
Parameter	Value	Parameter	Value
Length:	74.311'	Course:	N 67° 48' 23" E

Alignment: SOUTH FAWNBROOK BOULEVARD
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	30+00.000	3697992.411	11772160.22
PI:	31+00.000	3697990.429	11772060.24
Tangent Data			
Parameter	Value	Parameter	Value
Length:	100'	Course:	S 88° 51' 51" W

Alignment: NORTH FAWNBROOK BOULEVARD
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	40+00.000	3698029.456	11772159.96
PI:	41+00.000	3698027.474	11772059.98
Tangent Data			
Parameter	Value	Parameter	Value
Length:	100'	Course:	S 88° 51' 51" W

Alignment: MAST DRIVE
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	50+00.000	3698666.286	11772150.81
PI:	51+00.000	3698649.893	11772249.45
Tangent Data			
Parameter	Value	Parameter	Value
Length:	100'	Course:	S 80° 33' 53" E

Alignment: ADLER ROAD
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	60+00.000	3698991.26	11772143.43
PI:	61+00.000	3698974.863	11772242.08
Tangent Data			
Parameter	Value	Parameter	Value
Length:	100'	Course:	S 80° 33' 47" E

Alignment: NESTLE AVENUE
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	70+00.000	3699216.671	11772138.1
PI:	71+00.000	3699222.329	11772038.26
Tangent Data			
Parameter	Value	Parameter	Value
Length:	100'	Course:	N 86° 45' 24" W

Alignment: SNEAD ROAD
Description:

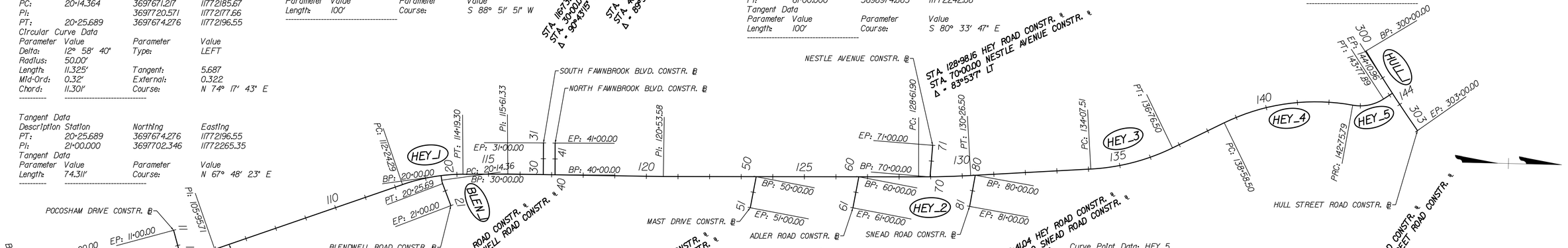
Tangent Data			
Description	Station	Northing	Easting
PI:	80+00.000	3699359.29	11772129.77
PI:	81+00.000	3699343.885	11772228.58
Tangent Data			
Parameter	Value	Parameter	Value
Length:	100'	Course:	S S 81° 08' 17" E

Alignment: HULL STREET ROAD
Description:

Curve Point Data: HULL_1			
Description	Station	Northing	Easting
PC:	300+00.000	3700586.637	11771707.3
RP:		3704111.314	11769486.44
PT:	303+00.000	3700755.561	11771955.14
Circular Curve Data			
Parameter	Value	Parameter	Value
Delta:	04° 07' 33"	Type:	LEFT
Radius:	4166'		
Length:	300'	Tangent:	150.065
Mid-Ord:	2.7'	External:	2.702
Chord:	299.935'	Course:	N 55° 43' 21" E

Alignment: WALMSLEY BOULEVARD
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	200+00.000	3696360.618	11772501.28
PI:	203+00.000	3696449.142	11772787.93
Tangent Data			
Parameter	Value	Parameter	Value
Length:	300'	Course:	N 72° 50' 15" E



Alignment: HEY ROAD
Description:

Tangent Data			
Description	Station	Northing	Easting
PI:	100+00.000	3696400.676	11772630.99
PI:	105+95.712	3696958.272	11772421.33
Tangent Data			
Parameter	Value	Parameter	Value
Length:	595.712'	Course:	N 20° 36' 26" W

Tangent Data			
Description	Station	Northing	Easting
PI:	105+95.712	3696958.272	11772421.33
PC:	112+24.294	3697547.564	11772202.58
Tangent Data			
Parameter	Value	Parameter	Value
Length:	628.581'	Course:	N 20° 21' 53" W

Curve Point Data: HEY_1			
Description	Station	Northing	Easting
PC:	112+24.294	3697547.564	11772202.58
RP:		3697756.361	11772265.08
PT:	114+19.298	3697738.11	11772165.36
Circular Curve Data			
Parameter	Value	Parameter	Value
Delta:	18° 37' 18"	Type:	RIGHT
Radius:	600.00' (ULS)		
Length:	195.004'	Tangent:	98.37
Mid-Ord:	7.905'	External:	8.01
Chord:	194.147'	Course:	N 11° 03' 14" W

Tangent Data			
Description	Station	Northing	Easting
PT:	114+19.298	3697738.11	11772165.36
PI:	115+61.335	3697880.081	11772161.04
Tangent Data			
Parameter	Value	Parameter	Value
Length:	142.037'	Course:	N 01° 44' 35" W

Tangent Data			
Description	Station	Northing	Easting
PI:	115+61.335	3697880.081	11772161.04
PI:	120+53.578	3698372.31	11772157.47
Tangent Data			
Parameter	Value	Parameter	Value
Length:	492.243'	Course:	N 00° 24' 54" W

Tangent Data			
Description	Station	Northing	Easting
PI:	120+53.578	3698372.31	11772157.47
PC:	128+61.899	3699180.424	11772139.14
Tangent Data			
Parameter	Value	Parameter	Value
Length:	808.322'	Course:	N 01° 17' 58" W

Curve Point Data: HEY_2			
Description	Station	Northing	Easting
PC:	128+61.899	3699180.424	11772139.14
RP:		3699112.397	11769139.92
PT:	130+26.504	3699344.802	11772130.9
Circular Curve Data			
Parameter	Value	Parameter	Value
Delta:	03° 08' 37"	Type:	LEFT
Radius:	3000.00' (ULS)		
Length:	164.605'	Tangent:	82.323
Mid-Ord:	1.129'	External:	1.129
Chord:	164.584'	Course:	N 02° 52' 16" W

Tangent Data			
Description	Station	Northing	Easting
PT:	130+26.504	3699344.802	11772130.9
PC:	134+07.511	3699724.664	11772101.38
Tangent Data			
Parameter	Value	Parameter	Value
Length:	381.007'	Course:	N 04° 26' 35" W

Curve Point Data: HEY_3			
Description	Station	Northing	Easting
PC:	134+07.511	3699724.664	11772101.38
RP:		3699672.373	11771428.41
PT:	136+76.499	3699981.705	11772028.36
Circular Curve Data			
Parameter	Value	Parameter	Value
Delta:	22° 49' 57"	Type:	LEFT
Radius:	675.00' (ULS)		
Length:	268.988'	Tangent:	136.303
Mid-Ord:	13.355'	External:	13.624
Chord:	267.212'	Course:	N 15° 51' 33" W

Tangent Data			
Description	Station	Northing	Easting
PT:	136+76.499	3699981.705	11772028.36
PC:	138+58.498	3700143.468	11771944.96
Tangent Data			
Parameter	Value	Parameter	Value
Length:	181.999'	Course:	N 27° 16' 32" W

Curve Point Data: HEY_4			
Description	Station	Northing	Easting
PC:	138+58.498	3700143.468	11771944.96
RP:		3700445.925	11772531.57
PCC:	142+75.795	3700548.612	11771879.61
Circular Curve Data			
Parameter	Value	Parameter	Value
Delta:	36° 13' 35"	Type:	RIGHT
Radius:	660.00' (ULS)		
Length:	417.297'	Tangent:	215.889
Mid-Ord:	32.707'	External:	34.412
Chord:	410.38'	Course:	N 09° 09' 44" W

Curve Point Data: HEY_5			
Description	Station	Northing	Easting
PCC:	142+75.795	3700548.612	11771879.61
RP:		3700569.616	11771746.26
PT:	143+77.894	3700645.851	11771857.67
Circular Curve Data			
Parameter	Value	Parameter	Value
Delta:	43° 19' 56"	Type:	LEFT
Radius:	4166'		
Length:	300'	Tangent:	150.065
Mid-Ord:	2.7'	External:	2.702
Chord:	299.935'	Course:	N 55° 43' 21" E

Tangent Data			
Description	Station	Northing	Easting
PT:	143+77.894	3700645.851	11771857.67
PI:	144+10.960	3700673.14	11771839
Tangent Data			
Parameter	Value	Parameter	Value
Length:	33.067'	Course:	N 34° 22' 53" W

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

GRAPHIC SCALE IN FEET
0 75 150 300

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RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
CONSTRUCTION ALIGNMENT DATA SHEET

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS			12/19/2025	1E	0-28888
CHECKED BY: JHO						

No.	REVISIONS	DATE	BY

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\CONSTRUCTION ALIGNMENT DATA.dwg 1E CONSTRUCTION ALIGNMENT DATA SHEET Dec 19, 2025 6:32pm by: Zachary.Santy

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TRANSPORTATION MANAGEMENT PLAN (TMP) & SEQUENCE OF CONSTRUCTION

HEY ROAD IMPROVEMENTS

TEMPORARY TRAFFIC CONTROL PLAN

INTRODUCTION

THE PROPOSED IMPROVEMENTS TOTAL APPROXIMATELY 4,410 LINEAR FEET OF ROADWAY IMPROVEMENTS ALONG HEY ROAD IN THE CITY OF RICHMOND. THE ROADWAY IMPROVEMENTS INCLUDE THE DESIGN OF SIDEWALK, CURB AND GUTTER, STORM SEWER, PUBLIC UTILITIES, PAVEMENT MARKINGS, SIGNS, AND MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.

GENERAL NOTES

1. THE PROPOSED IMPROVEMENTS FOLLOW UNDER THE TMP TYPE B PROJECT.
2. THE PROJECT LOCATION IS FROM WALMSLEY BOULEVARD TO HULL STREET ROAD (ROUTE 360) ALONG HEY ROAD IN THE CITY OF RICHMOND.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL DEVICES (TCD), SIGNAGE, EQUIPMENT, PERSONNEL, INCLUDING CERTIFIED TRAFFIC CONTROL PERSONNEL TO CONTROL TRAFFIC DURING CONSTRUCTION WITHIN CITY MAINTAINED RIGHT-OF-WAY. ALL TRAFFIC CONTROL SHALL BE IN STRICT ACCORDANCE WITH THE STANDARDS, GUIDELINES, POLICIES AND OBJECTIVES OF THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL AND ALL REVISIONS, 2009 MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES, REVISION 1 OF THE 2011 VA SUPPLEMENT TO THE MUTCD, AND ALL CITY PERMITS. CONTRACTOR SHALL HAVE BOTH INTERMEDIATE AND A BASIC WORK ZONE TRAFFIC CONTROL CERTIFIED EMPLOYEE ON SITE AT ALL TIMES DURING LANE CLOSURES, LANE CHANGES, AND AT LEAST DAILY TO REVIEW WORK ZONE.
4. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AREAS FOR EQUIPMENT STORAGE AND STAGING OF MATERIALS. ALL COSTS FOR TRAFFIC CONTROL DEVICES AND EROSION & SEDIMENT REQUIREMENTS FOR LAYDOWN YARD SHALL BE INCIDENTAL WITH OTHER ITEMS WITH NO SEPARATE PAYMENT THERETO.
5. THE WORK ZONE SHALL BE MAINTAINED ACCORDING TO THE TEMPORARY TRAFFIC CONTROL PLANS AS SHOWN IN THE CONTRACT DOCUMENTS.
6. THE FOLLOWING TRAFFIC CONTROL SPECIFICATIONS FROM THE VIRGINIA WORK AREA PROTECTION MANUAL MAY BE USED: TTC-1.1, TTC-4.2, TTC-6.2, TTC-16.2, TTC-17.2, TTC-23.2, TTC-28.2, TTC-30.2, AND TTC-53.0 AND OTHERS AS REQUIRED.
7. TYPICAL CHANNELIZING DEVICE SPACING SHALL BE AS FOLLOWS:
   TRAVELWAY SPACING = 40'
   TRANSITION SPACING = 20'
8. ENTRANCES ALONG HEY ROAD WILL BE AFFECTED BY THE WORK ZONE AND ACCESS TO EACH RESIDENCE SHALL BE MAINTAINED AT ALL TIMES.
9. TYPES OF TRAFFIC CONSIST OF COMMUTERS, SCHOOL BUSES, RESIDENTS, TRUCKS, AND BICYCLES.
10. ALL AREAS EXCAVATED BELOW THE EXISTING PAVEMENT SURFACE AND WITHIN THE CLEAR ZONE (NOT PROTECTED BY BARRIER), AT THE CONCLUSION OF EACH WORKDAY, SHALL BE BACK-FILLED TO FORM AN APPROXIMATE 6:1 DESIRABLE (4:1 MINIMUM) WEDGE, AGAINST THE EXISTING PAVEMENT SURFACE FOR SAFETY AND PROTECTION OF VEHICULAR TRAFFIC. ALL COST OF PLACING, MAINTAINING, AND REMOVING THE WEDGE SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. NIGHT TIME WORK HOURS WILL BE ALLOWED AT THE DISCRETION OF THE PROJECT ENGINEER AND CITY TRANSPORTATION ENGINEER.
11. ALLOWABLE WORK HOURS SHALL BE FROM 7AM TO 6PM MONDAY THROUGH FRIDAY EXCEPT HOLIDAYS AND WHEN NIGHT WORK IS APPROVED BY THE PROJECT ENGINEER AND CITY TRANSPORTATION ENGINEER. NO LANE CLOSURES ARE ALLOWED FROM 7AM-9AM AND 4PM-6PM, UNLESS OTHERWISE APPROAVED BY THE CITY TRANSPORTATION ENGINEER.

PUBLIC COMMUNICATIONS PLAN

THE CONTRACTOR IS TO COORDINATE WITH THE CITY OF RICHMOND TO PUBLISH ANNOUNCEMENTS REGARDING WORK ACTIVITIES FOR THIS PROJECT. EACH ACTIVITY WILL BE GOVERNED BY THE TIMES ESTABLISHED BY THE CITY TRANSPORTATION ENGINEER. THE CONTRACTOR SHALL PROVIDE LANE CLOSURE INFORMATION A MINIMUM OF TWO WEEKS IN ADVANCE OF WORK SO IT CAN BE PUBLISHED. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A TWO WEEK LOOK AHEAD EVERY WEDNESDAY BY NOON TO AID IN THE CITY NOTIFYING PUBLIC OF WORK ACTIVITIES.

TRANSPORTATION OPERATIONS PLAN

1. THE FOLLOWING IS A LIST OF LOCAL EMERGENCY CONTACT AGENCIES:
   CITY OF RICHMOND POLICE DEPARTMENT: 804-646-5100 OR 911 (IN EMERGENCY)
2. PROCEDURES TO RESPOND TO TRAFFIC INCIDENTS THAT MAY OCCUR IN THE WORK ZONE:
   A. CONTRACTOR TO NOTIFY CITY OF RICHMOND INSPECTOR IN CHARGE.
   B. DEPENDING ON THE SEVERITY OF INCIDENT, THE CONTRACTOR MAY HAVE TO SHUT DOWN WORK OPERATIONS.
   C. INSPECTOR TO TAKE PICTURES AS NECESSARY, ESPECIALLY PICTURES OF CONTRACTOR'S WORK ZONE TO VERIFY COMPLIANCE WITH STANDARDS.
   D. UPON ARRIVAL ON SCENE, CITY OF RICHMOND POLICE DEPARTMENT STAFF TO DETERMINE RESPONSE NECESSARY TO ALLOW TRAVELING PUBLIC AROUND THE INCIDENT.
4. PROCESS OF NOTIFICATION OF INCIDENT TO BE FOLLOWED IS:
   A. CONTRACTOR TO CALL PROJECT MAINTENANCE OF TRAFFIC COORDINATOR (INSPECTOR); TO BE DETERMINED
   B. CONTRACTOR TO CALL PROJECT MANAGER (CONSTRUCTION ENGINEER); TO BE DETERMINED
   C. THE CITY OF RICHMOND POLICE DEPARTMENT WILL TAKE CONTROL OF THE INCIDENT AND DIRECT ITS CLEARING AND RESTORATION TO NORMAL TRAFFIC OPERATIONS.
   D. THE CITY OF RICHMOND POLICE DEPARTMENT REPORT OF THE INCIDENT WILL BE REVIEWED BY THE CITY AND/OR VDOT TO DETERMINE IF ANY MODIFICATION OF THE TEMPORARY TRAFFIC CONTROL PLAN IS NECESSARY. IF IT IS DETERMINED THAT IT IS NECESSARY TO ALTER THE PLAN, THEN A MEETING WILL BE CALLED WITH THE CONTRACTOR, CITY OF RICHMOND PROJECT PERSONNEL, AND THE CITY OF RICHMOND POLICE DEPARTMENT STAFF (IF NECESSARY) TO DISCUSS MODIFICATION AND IMPLEMENTATION OF AN IMPROVED TRAFFIC CONTROL PLAN.

Existing Posted Speed Limits Are As Follows:

Baseline/Roadway	Posted Speed Limit
Hey Road	25 MPH
Walmsley Boulevard	35 MPH
Hull Street Road	35 MPH
Pocosham Drive	25 MPH
Blendwell Road	25 MPH
Snead Road	25 MPH

SEQUENCE OF CONSTRUCTION/STAGING NARRATIVE

GENERAL

WORK DURATION IS APPROXIMATELY 18 MONTHS AND IS A LONG-TERM STATIONARY WORK ZONE; HOWEVER, EXISTING THROUGH LANEAGE IS NOT TO BE REDUCED EXCEPT FOR TEMPORARY LANE CLOSURES DURING ALLOWABLE LANE CLOSURE HOURS.

THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN ACCESS TO PRIVATE PROPERTIES AND DRIVEWAYS, UNLESS OTHERWISE APPROVED OR DIRECTED BY THE ENGINEER.

COORDINATION WITH CITY POLICE IS REQUIRED IN ALL STAGES WHEN WORKING WITHIN TRAFFIC SIGNAL CONTROLLED INTERSECTIONS.

SEQUENCE OF CONSTRUCTION

UNLESS OTHERWISE APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL PLAN AND PROSECUTE THE WORK IN ACCORDANCE WITH THE FOLLOWING:

STAGE 1

1. PRIOR TO COMMENCEMENT OF STAGE 1 OPERATIONS, INSTALL SIGNS IN ACCORDANCE WITH VIRGINIA WORK AREA PROTECTION MANUAL (VWAPM) TTC-53.0 AND TRAFFIC CONTROL DEVICES. CONTRACTOR SHALL INSTALL PHASE 1 TEMPORARY SEDIMENT CONTROL MEASURES AS DEPICTED IN THE PLANS.
2. FROM THE EXISTING JUNCTION BOX IN THE SOUTHWEST CORNER OF THE INTERSECTION OF HEY ROAD AND WALMSLEY BOULEVARD, THE CONTRACTOR SHALL PULL 100 FEET OF EXISTING TRAFFIC AND 100 FEET OF EXISTING DIT FIBER OPTIC CABLE FROM THE NORTH ALONG HEY ROAD. COIL AND STORE IN THE EXISTING JUNCTION BOX. THEN, CUT AND CAP EXISTING TRAFFIC AND DIT FIBER OPTIC CABLE. MAINTAIN EXISTING TRAFFIC AND DIT FIBER OPTIC CABLE WHICH RUNS ALONG WALMSLEY BOULEVARD AS SPECIFIED IN THE PLANS.
3. CUT EXISTING TRAFFIC AND EXISTING DIT FIBER OPTIC CABLE AT THE EXISTING SPLICE ENCLOSURE IN THE SOUTHEAST CORNER OF THE INTERSECTION OF HEY ROAD AND HULL STREET ROAD. MAINTAIN EXISTING TRAFFIC AND DIT FIBER OPTIC CABLE WHICH RUNS ALONG HULL STREET ROAD. MAINTAIN EXISTING COMMUNICATIONS CONNECTION TO THE TRAFFIC SIGNAL VIA FIBER OPTIC DROP CABLE. MODIFY THE EXISTING SPLICE ENCLOSURE AT THE INTERSECTION OF HEY ROAD AND HULL STREET ROAD AS SPECIFIED IN THE PLANS.
4. USING A ONE-WAY FLAGGING OPERATION IN CONFORMANCE WITH VWAPM TTC FIGURE 23.2, CONTRACTOR SHALL INSTALL CURB AND GUTTER, CONCRETE SIDEWALK, DRIVEWAY IMPROVEMENTS, AND STORM SEWER ALONG WEST SIDE OF HEY ROAD. DROP OFF AREAS GREATER THAN 2"WITHIN THE CLEAR ZONE SHALL BE PROTECTED AT THE END OF EACH DAY BY A 6:1 DESIRABLE WEDGE BEHIND THE GROUP 2 CHANNELIZING DEVICES IN ACCORDANCE WITH VIRGINIA WORK AREA PROTECTION MANUAL (VWAPM) APPENDIX A FIGURE 2. CONTRACTOR SHALL LIMIT THE LENGTH OF ONE-LANE CLOSURES TO 1000' MAXIMUM.
5. DURING STAGE 1 OPERATIONS, REMOVE AND DISPOSE OF EXISTING TRAFFIC AND DIT FIBER OPTIC CABLES AND JUNCTION BOXES ALONG THE WEST SIDE OF HEY ROAD FROM WALMSLEY BOULEVARD TO NESTLE AVENUE.

   INSTALL PROPOSED COMMUNICATIONS CONDUIT AND JUNCTION BOXES ALONG THE WEST SIDE OF HEY ROAD FROM WALMSLEY BOULEVARD TO NESTLE AVENUE AS SPECIFIED IN THE PLANS. CONTRACTOR TO INSTALL PROPOSED TRENCHED CONDUIT WITHIN A COMMON TRENCH AS PART OF STORM SEWER INSTALLATION AS SPECIFIED IN THE PLANS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

   INSTALL PROPOSED COMMUNICATIONS CONDUIT AND JUNCTION BOXES TO CROSS HEY ROAD SOUTH OF NESTLE AVENUE AS SHOWN IN THE PLANS.

STAGE 2

1. ONCE STAGE 1 OPERATIONS ARE COMPLETE, INSTALL SIGNS AND TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH VIRGINIA WORK AREA PROTECTION MANUAL (VWAPM) TTC-23.1.
2. USING A ONE-WAY FLAGGING OPERATION IN CONFORMANCE WITH VWAPM TTC FIGURE 23.2, CONTRACTOR SHALL INSTALL CURB AND GUTTER, CONCRETE SIDEWALK, DRIVEWAY IMPROVEMENTS, AND STORM SEWER ALONG EAST SIDE OF HEY ROAD. DROP OFF AREAS GREATER THAN 2" WITHIN THE CLEAR ZONE SHALL BE PROTECTED AT THE END OF EACH DAY BY A 6:1 DESIRABLE WEDGE BEHIND THE GROUP 2 CHANNELIZING DEVICES. CONTRACTOR SHALL LIMIT THE LENGTH OF ONE-LANE CLOSURES TO 1000' MAXIMUM.
3. DURING STAGE 2 OPERATIONS, REMOVE AND DISPOSE OF EXISTING TRAFFIC AND DIT FIBER OPTIC CABLES AND JUNCTION BOXES ALONG THE EAST SIDE OF HEY ROAD FROM NESTLE AVENUE TO HULL STREET ROAD.

   INSTALL PROPOSED COMMUNICATIONS CONDUIT AND JUNCTION BOXES ALONG THE EAST SIDE OF HEY ROAD FROM NESTLE AVENUE TO HULL STREET ROAD AS SPECIFIED IN THE PLANS. CONTRACTOR TO INSTALL PROPOSED TRENCHED CONDUIT WITHIN A COMMON TRENCH AS PART OF STORM SEWER INSTALLATION AS SPECIFIED IN THE PLANS, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
4. INSTALL TRAFFIC AND DIT FIBER OPTIC CABLE ALONG HEY ROAD FROM WALMSLEY BOULEVARD TO HULL STREET ROAD AS SPECIFIED IN THE PLANS. INSTALLATION OF 96 STRAND FIBER OPTIC CABLE FROM THE INTERSECTION OF HEY ROAD AND WALMSLEY BOULEVARD TO THE INTERSECTION OF HEY ROAD AND HULL STREET ROAD WILL BE ONE CONTINUOUS CABLE. THE CONTRACTOR SHALL PULL FROM A MIDPOINT LOCATED ALONG HEY ROAD AT THE JUNCTION BOX SOUTH OF MAST DRIVE ON THE WEST SIDE OF HEY ROAD, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. RELOCATE THE EXISTING SPLICE ENCLOSURE AT THE INTERSECTION OF HEY ROAD AND HULL STREET ROAD AS SPECIFIED IN THE PLANS. SPLICE TRAFFIC FIBER OPTIC CABLE AS SPECIFIED IN THE PLANS AND IN THE PROJECT SPECIFICATIONS.

STAGE 3

1. ONCE STAGE 2 OPERATIONS ARE COMPLETE, THE CONTRACTOR SHALL SET UP FOR STAGE 3 OPERATIONS AND UTILIZE ALTERNATING FLAGGING OPERATIONS IN ACCORDANCE WITH TTC FIGURE 23.2 AND/OR 28.2. CONTRACTOR SHALL CONSTRUCT FINAL PAVEMENT SURFACE COURSE, FINAL STRIPING AND MARKING, AND FINAL SIGNING AND SEEDING. UPON COMPLETION, CONSTRUCTED IMPROVEMENTS SHALL BE FULLY OPENED TO TRAFFIC.

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

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CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
TRANSPORTATION MANAGEMENT PLAN & SEQUENCE OF CONSTRUCTION

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

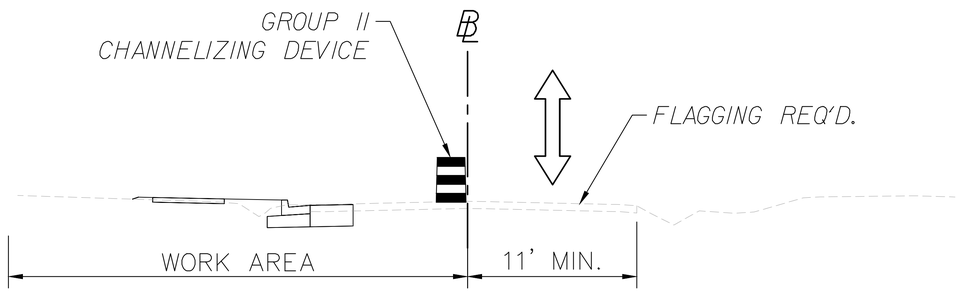
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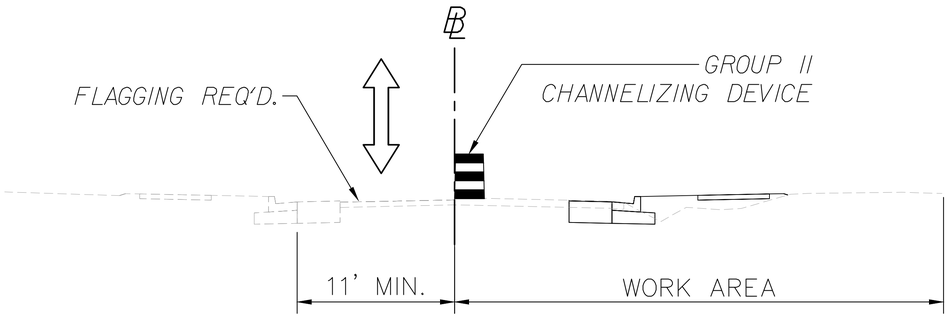
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Richmond, Virginia
TRAFFIC ENGINEER

TRAFFIC CONTROL TYPICAL SECTIONS

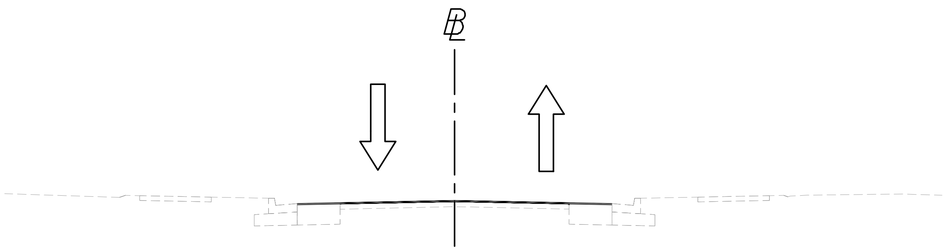
STAGE 1



STAGE 2



STAGE 3



RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
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CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
MAINTENANCE OF TRAFFIC PLANS

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.:
U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE	DATE 12/19/2025	SHEET 1F(2)	DRAWING NO. 0-28888

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

WATER QUALITY AND QUANTITY DATA SHEET



LEGEND

- PROJECT AREA ("A-SITE")
- POST-DEVELOPMENT OVERALL DRAINAGE AREA
- POST-DEVELOPMENT "A-SITE" IMPERVIOUS LAND COVER

PRE-DEVELOPMENT						POST-DEVELOPMENT						Quantity Compliance Method
Outfall	Area (acres)	CN	Tc (minutes)	2-yr Q (cfs)	10-yr Q (cfs)	Outfall	Area (acres)	CN	Tc (minutes)	2-yr Q (cfs)	10-yr Q (cfs)	
A	2.06	80.6	18.0	3.7	7.3	A	0.71	81.64	14.5	1.5	2.8	Energy Balance
B	0.39	81.3	12.3	0.9	1.7	B	0.15	87.97	5.0	0.5	0.9	Energy Balance
B1	0.08	81.9	5.6	0.2	0.4	B1	0.07	81.75	5.0	0.2	0.366	Energy Balance
C	74.30	79.7	34.3	87.1	173.8	C	76.48	80.44	34.3	79.3	157.83	Detention
C1	0.66	97.3	5.0	3.0	4.6	C1	0.00	-	-	-	-	Energy Balance
C2	2.02	80.5	5.0	5.3	10.2	C2	0.00	-	-	-	-	Energy Balance
C3	0.03	81.9	5.0	0.1	0.2	C3	0.02	88.42	5.0	0.1	0.122	Energy Balance
D	1051.55	87.0	N/A - < 1%			D	1051.55	87.0	N/A - < 1%			<1% of Watershed

1) ENERGY BALANCE IS ACHIEVED AT OUTFALLS A, B, B1, C1, C2, AND C3 DUE TO REDIRECTING OF WATER TO ADJACENT OUTFALL C
2) OUTFALL C REQUIRES DETENTION IN PROPOSED BMP DUE TO REDIRECTION OF WATER FROM ADJACENT OUTFALLS
3) OUTFALL D MEETS DRAINAGE AREA REQUIREMENT FOR LESS THAN 1% OF TOTAL WATERSHED (SEE SHEET IG(2))
4) SEE ASSOCIATED DRAINAGE NARRATIVE FOR DETAILED COMPUTATIONS

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

GRAPHIC SCALE IN FEET
0 75 150 300

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HEY ROAD IMPROVEMENTS
WATER QUALITY AND QUANTITY DATA SHEET

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS			12/19/2025	IG	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\WATER QUALITY AND QUANTITY.dwg IG WATER QUALITY AND QUANTITY DATA SHEET Dec 20, 2025 10:42am by: Zachary.Sorby
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GENERAL NOTES

PAVEMENT

P-2 The pavement materials weight will vay 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 the theoretical maximum density.

GRADING

G-1 The grade line denotes top of finished pavement unless shown otherwise on typical sections or plans.

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: existing pavement, sidewalk, curb and gutter, small block or brick items, concrete, drainage structures, pipe, and headwalls.

G-5 The excavation of unsuitable material as specified on these plans is based on previously conducted subsurface soil investigation. If, during construction, it is deemed necessary to change the depth more than one foot, or the limits of such excavation, such change is to be made in accordance with Section 3C3 of the applicable VDOT Road and Bridge Specifications.

G-6 The borrow material for this project shall be a minimum CBR 7 or as approved by the Materials Engineer.

STORMWATER MANAGEMENT

S-1 CLEARING AND GRUBBING OF SWM BASIN SITE - The area where the dam is to be constructed and the area upstream of the dam,to an elevation equal to the crest of the dam (maximum ponded water elevation), shall be cleared and grubbed in accordance with Section 301 of the applicable VDOT Road and Bridge Specification.

S-2 SWM BASIN DAM CONSTRUCTION - The dam for detention basins (no permanent pool) shall conform to the details contained in the plans and shall be constructed in accordance with Section 303 of the applicable VDOT Road and Bridge Specifications. The native material on which the dam will set shall meet the specifications for AASHTO Type A-4 of finer material. Where the native material does not meet this requirement, the area beneath the dam is to be excavated a minimum of 4' and backfilled with a material meeting the AASHTO Type A-4 or finer classification unless otherwise specified in the plans. The material used for the embankment of the dam shall be AASHTO Type A-4 of finer or otherwise specified in the plans. Dams with foundation and embankment material not meeting the above requirements or dams greater than 15' in height, or dams for retention basins (permanent pool) shall incorporate a membrane-lined trench, a homogenous embankment with seepage controls, a zoned embankment or other such approved designs as specified in the plans. .

S-3 SWM BASIN OUTLET PIPE - the pipe culvert under of through the dam for detention basins (no permanent pools) shall be reinforced concrete pipe with rubber gaskets in accordance with Section 232 and 212 of the applicable VDOT Road and Bridge Specifications. A concrete cradle shall extended the full length of the pipe culvert in accordance with the Standard Drawings. The connection between the pipe culvert and the SWM-1 Drainage Structure (or other control structure) shall be made watertight as approved by the Engineer and the cost shall be included in the price bid for pipe.

S-4 The SWM-1 drainage Structure (or other control structure) shall have 4" high numbers and 1" wide stripes painted at 1' intervals as shown on the Standard Drawings or detail sheets. The numbers and stripes are to be installed at the time of the initial installation of the SWM-1 Drainage Structure (or other control structure). Paint and application shall be in accordance with the Section 231 and 411 of the applicable VDOT Road and Bridge Specifications and the cast is to be included in the price bid for applicable structure.

S-5 All SWM Basins designated for use as temporary sediment basins shall be constructed during the initial phase of earth moving activities or as specified by the plans or directed by the Engineer. During project construction, the SWM-1 Drainage Structure (or other control structure) shall be modified in accordance with the Standard Drawings or plan details in order to provide a temporary sediment basin with both a "wet" storage volume (permanent pool) and a "dry" storage volume. Sediment accumulated in the basin shall be removed when the volume of the "wet" storage (permanent pool) has been reduced by 50%. Sediment shall be disposed of in accordance with Section 106.04 of the applicable VDOT Road and Bridge Specifications. When project construction is complete to a stage where no additional sediment from the project is expected to enter the basin, as determined by the Engineer, the basin shall be cleaned out and restored to the original design elevations, the area stabilized and all temporary modifications to the SWM-1 Drainage Structure (or other control structure) removed).

INCIDENTALS

I-5 That portion of the right of way lying within the Clear Zone or within a minimum of 10 feet from the edge of pavement or surfacing or within the limits of the construction slopes beyond 10 feet, shall be cleared and grubbed in accordance with the applicable VDOT Road and Bridge Specifications, Section 301, where sufficient right of way or construction easement is provided.

I-7 Where Standard slope roundoffs would damage trees, bushes or other desirable vegetation, they shall be omitted when so ordered by 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-16 The "underground utilities" survey data on this project has been provided by consultant and copies are available from the County.

I-17 For method of constructing Straight-Line Taper Lanes in curb and/or curb and gutter sections, see typical VDOT detail on sheet 2V(5).

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 10(3) thru 10(5) and as directed by the Engineer. The signing and marking shall be considered preliminary until approved by VDOT TE staff in the field.

I-19 The following sources, under contract with the Owner, have provided information on this project:
Hydraulic Design - Kimley-Horn
Roadway Design - Kimley-Horn
Landscape Design - Kimley-Horn
Utility Design - Kimley-Horn
Utility Designation - Inframap Corporation
Utility Location - Inframap Corporation
Survey - H&B Surveying and Mapping
Traffic Design - Kimley-Horn
If questions or problems arise during construction, please contact the Project Designer. DO NOT CONTACT THE OUTSIDE SOURCES.

I-20 The Official Electronic PDF Version of the plans will override the paper copies or prints of specific layers. Portions of this plan assembly have been CADD generated. To assist in the construction of the project, Microstation format (.dgn) files will be available to the prime contractor after award of the contract.

I-21 All electronic plan assemblies will include the construction plans in two formats: PDF files and Autocad format (.dwg) files. Only the PDF files will be considered as part of the official plan assembly.

The Autocad format (.dwg) files are furnished only as information for the contractor. These plans are developed in layers (levels) to aid in readability. (See VDOT CADD Manual for CADD Level Structure). However, the construction items may or may not be in the proper layering scheme as described on the VDOT CADD Manual. The Autocad files will only match the scanned files if all required layers are turned on. An Autocad Software license is required to be able to read these files.

PEDESTRIAN ACCESS ROUTE

Minimum 4 foot Pedestrian Access Route (PAR) shall be maintained on all proposed sidewalk.

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 applicable Drainage Designer before installing the culvert or storm sewer outfall pipe.

D-3 The "H" dimensions shown on 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 finished 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 Cl. III RCP. For strength, sheet thickness, or class designation; available sizes; height of cover limitations; and other restrictions for a particular pipe type or height cover, see the applicable sections of the VDOT Road and Bridge Standards PC-1.

D-10 The proposed riprap may be omitted by the Engineer if the slope designated for placement of riprap is found to be comprised of solid rock or closely consolidated boulders with soundness, size and weight equal to, or exceeding, the specifications for the proposed riprap.

D-12 All existing drainage facilities labeled "To Be Abandoned" shall be left in place, backfilled and plugged in accordance with the VDOT Road and Bridge Standard PP-1. Basis of Payment will be C.Y. of flowable Backfill.

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.

D-16 When CG-6 or CG-7 is specified on a radius (such as at a street inter-section), the Engineer may approve a decrease in the cross slope of the gutter to facilitate proper drainage.

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.

E-3 Permanent vegetation shall be established on all denuded areas not otherwise stabilized with non-erodible materials. See the Roadside Development Sheet for details on permanent vegetation establishment.

E-4 The following symbols are used to depict Erosion Control items in the plan assembly:

- EC-2 — Denotes Protective Covering, St'd. EC-2
- TSF-A / TSF-B — Denotes Temporary Silt Fence, St'd EC-5 Type A or B
- CP — Denotes Culvert Inlet Protection, Type C; St'd EC-6
- RCD-1 — Denotes Rock Check Dam, Type I; St'd EC-4
- RCD-2 — Denotes Rock Check Dam, Type II; St'd EC-4
- IP-A — Denotes Inlet Protection, Type A; St'd EC-6
- IP-B — Denotes Inlet Protection, Type B; St'd EC-6
- SAF — Denotes Safety Fence
- STB — Denotes Straw Bale Barrier

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

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Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
GENERAL NOTES SHEET

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

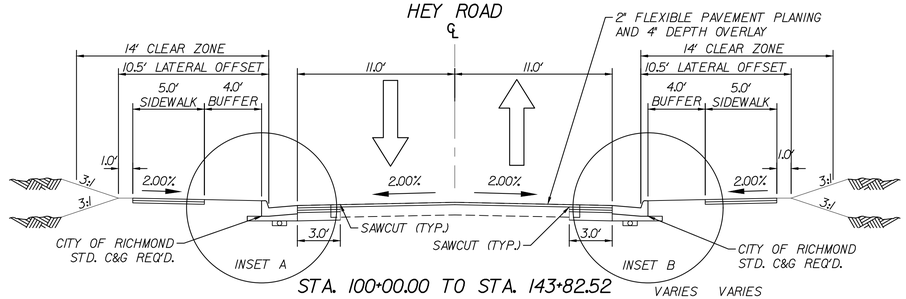
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

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CHECKED BY: JHO						

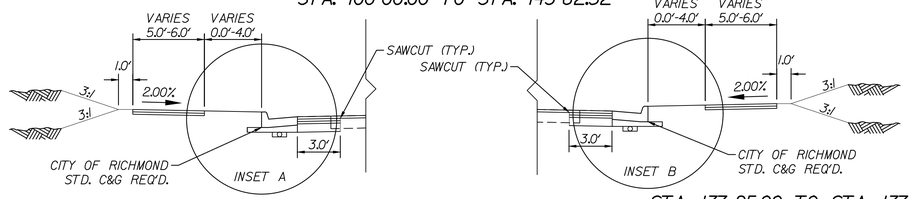
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HEY ROAD

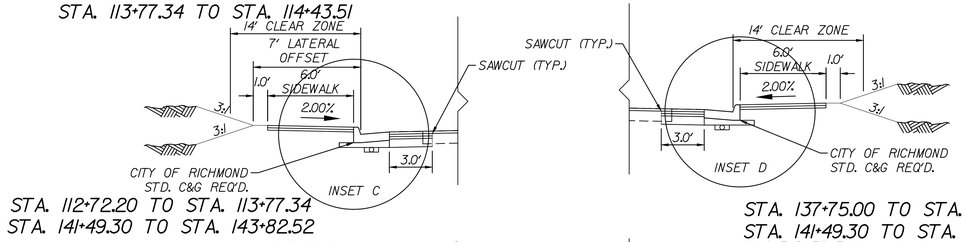


STA. 100+00.00 TO STA. 143+82.52



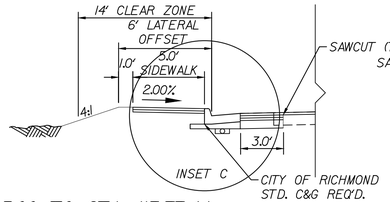
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STA. 137+25.00 TO STA. 137+75.00

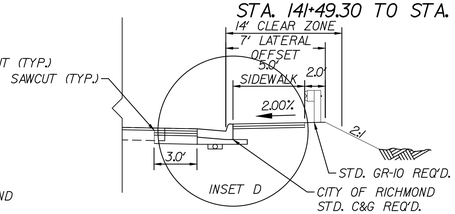


STA. 112+72.20 TO STA. 113+77.34
STA. 141+49.30 TO STA. 143+82.52

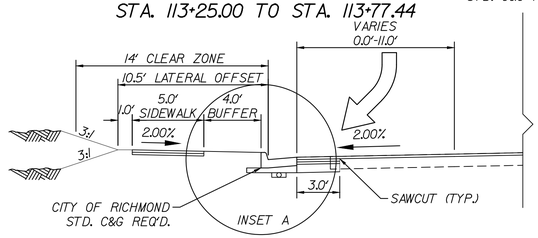
STA. 137+75.00 TO STA. 138+54.51
STA. 141+49.30 TO STA. 143+82.52



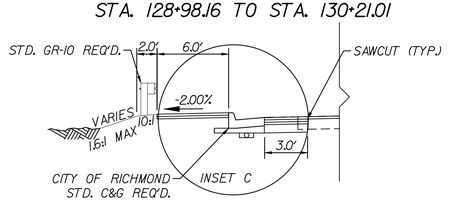
STA. 113+25.00 TO STA. 113+77.44



STA. 138+54.41 TO STA. 141+49.30

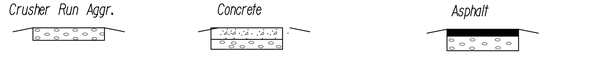


STA. 117+10.71 TO STA. 119+81.22
STA. 128+98.16 TO STA. 130+21.01



STA. 138+54.41 TO STA. 141+49.30

PRIVATE AND COMMERCIAL ENTRANCES



6" Crusher Run Aggr. 25 or 26

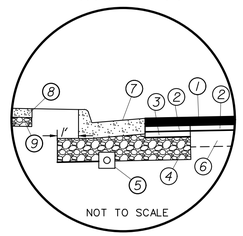
Concrete Entrance Pavement
7" HES
4" Aggr. Base Mat'l. Ty. I
No. 21A or 21B

Asphalt Conc. Type SM-9.5A or SM-9.5D @ 220 Lbs. per S. Y.
4" Aggr. Base Mat'l. Ty. I
No. 21A or 21B

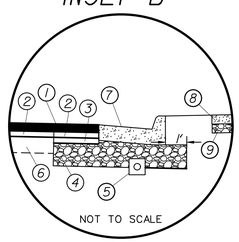
NOT TO SCALE

The type of entrance (I , II , III) to be constructed will be determined by the existing condition at the time of construction.

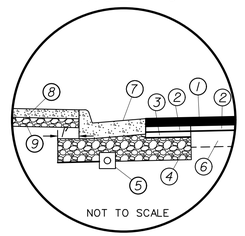
INSET A



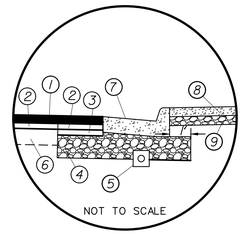
INSET B



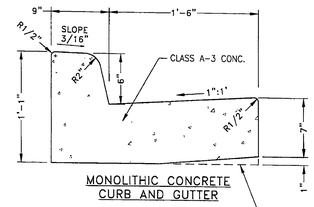
INSET C



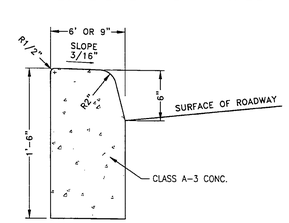
INSET D



1. 2" ASPHALT CONCRETE SURFACE TYPE SM-12.5A @110 LB/SY/IN
2. 2" ASPHALT CONCRETE INTERMEDIATE, TYPE IM-19.0A @110 LB/SY/IN
3. 4" ASPHALT CONCRETE BASE COURSE, TYPE BM-25.0A
4. 4" AGGREGATE BASE MAT'L. TYJ VDOT NO. 21B
5. VDOT STD. UD-4 REQ'D
6. EXISTING PAVEMENT SECTION
7. CITY OF RICHMOND STD. CURB AND GUTTER REQ'D.
8. 4" HYD. CEMENT CONCR. SIDEWALK REQ'D.
9. 4" AGGREGATE BASE MAT'L. TYJ NO. 21B



MONOLITHIC CONCRETE CURB AND GUTTER



CONCRETE CURB

THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED PARALLEL TO THE SLOPE OF SUBBASE COURSES PROVIDED A MINIMUM DEPTH OF 7" IS MAINTAINED.

7 CITY OF RICHMOND STANDARD CURB

1"=1'-0"

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

Kimley-Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
TYPICAL SECTIONS

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS			12/19/2025	2A	0-28888
CHECKED BY: JHO						

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION
PROJECT CONSTRUCTION WILL CONSIST OF ADDING PEDESTRIAN ACCOMMODATIONS ALONG BOTH SIDES OF HEY ROAD FROM HULL STREET to WALMSLEY BOULEVARD WITHIN THE CITY OF RICHMOND. PROJECT IMPROVEMENTS GENERALLY CONSIST OF PAVEMENT RESURFACING, ADA CURB RAMPS, CURB AND GUTTER, SIDEWALK, AND A CLOSED STORM SEWER DRAINAGE SYSTEM.

EXISTING SITE CONDITIONS
THE SITE CONTAINS A 2 LANE UNDIVIDED ROADWAY WITH MINIMAL SHOULDER AND GRASS DITCH OF VARYING DEPTHS ON EITHER SIDE. SITE TOPOGRAPHY RANGES FROM FLAT TO MODERATE SLOPES.

ADJACENT PROPERTIES
THIS SITE IS ADJACENT TO RESIDENTIAL PROPERTIES ALONG HEY ROAD THROUGHOUT THE PROJECT LIMITS.

OFF-SITE AREAS
NO OFF-SITE AREA WILL BE DISTURBED FOR THE PROPOSED IMPROVEMENTS ENTAILED WITHIN THE CONSTRUCTION PLANS.

SOILS
THE PROJECT CORRIDOR CONSISTS OF A MIXTURE OF CLAY, SILT, SAND, AND GRAVEL (HYDROLOGIC SOIL GROUP B).

CRITICAL EROSION AREAS
THERE ARE CREEKS/STREAMS AND WETLANDS WITHIN THE PROJECT AREA.

STORMWATER RUN-OFF CONSIDERATIONS
REFER TO SHEETS 1G, 3, 4, 5, 6, 7, 8, & 9(1) - 9(10) FOR DETAILS.

EROSION AND SEDIMENT CONTROL MEASURES

3.01 INLET PROTECTION: A SEDIMENT FILTER OR AN EXCAVATED IMPOUNDING AREA AROUND A STORM DRAIN DROP INLET OR CURB INLET WILL BE PROVIDED AT ALL INLET LOCATIONS WITHIN THE LIMITS OF DISTURBANCE. THE PURPOSE OF THIS PRACTICE IS TO PREVENT SEDIMENT FROM ENTERING STORM DRAINAGE SYSTEMS PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA.

CONSTRUCTION SCHEDULE
SEE SEQUENCE OF CONSTRUCTION ON SHEETS 1F(1) AND 1F(2).

MAINTENANCE SCHEDULE
EROSION CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH).

MAINTENANCE
BETWEEN THE TIME THE EROSION CONTROL PLAN IS IMPLEMENTED AND FINAL SITE STABILIZATION IS ACHIEVED, ALL DISTURBED AREAS AND EROSION CONTROLS MUST BE INSPECTED NOT LESS THAN ONCE EVERY FIVE (5) CALENDAR DAYS AND WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A RUNOFF PRODUCING RAINFALL EVENT. BASED ON THESE INSPECTIONS, THE CONTRACTOR SHALL DECIDE WHETHER IT IS NECESSARY TO MODIFY THE PLAN, ADD OR RELOCATE SEDIMENT BARRIERS, OR INSTITUTE OTHER ACTIONS REQUIRED IN ORDER TO PREVENT POLLUTANTS FROM LEAVING THE SITE VIA STORM WATER RUNOFF.

EXAMPLES OF PARTICULAR ITEMS TO BE EVALUATED DURING SITE INSPECTIONS ARE LISTED BELOW. THIS LIST IS NOT INTENDED TO BE COMPREHENSIVE. DURING EACH INSPECTION, EACH INSPECTOR MUST EVALUATE OVERALL EROSION CONTROL SYSTEM PERFORMANCE, AS WELL AS THE EFFECTIVENESS OF SYSTEM COMPONENTS. ADDITIONAL FACTORS SHOULD BE CONSIDERED AS APPROPRIATE TO THE CIRCUMSTANCES.

3.01 INLET PROTECTION
1. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
2. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS ALREADY BEEN PROPERTY STABILIZED.

BASED ON INSPECTION RESULTS, ANY MODIFICATION NECESSARY TO INCREASE EFFECTIVENESS OF THE EROSION CONTROL PLAN TO AN ACCEPTABLE LEVEL SHALL BE MADE BY THE CONTRACTOR WITHIN SEVEN CALENDAR DAYS OF THE INSPECTION.

CITY OF RICHMOND STANDARD EROSION AND SEDIMENT CONTROL NOTES

1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN, DORMANT (UNDISTURBED) FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.
2. EXCESS EXCAVATION DISPOSED OF OFF THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
3. EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP OF THE LAND DISTURBING ACTIVITY.
4. EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED SO THAT THE SEDIMENT CARRYING RUNOFF FROM THE SITE WILL NOT ENTER STORM DRAINAGE FACILITIES.
5. EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED UNTIL THE DISTURBED AREA IS STABILIZED.
6. PROPERTIES ADJOINING THE SITE SHALL BE KEPT CLEAN OF MUD OR SILT CARRIED FROM THE SITE BY VEHICULAR TRAFFIC OR RUNOFF.
7. THE DISPOSAL OF WASTE MATERIALS REMOVED FROM EROSION AND SEDIMENT CONTROL FACILITIES AND THE DISPOSAL OF THESE FACILITIES SHALL BE IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
8. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
9. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.

MS-19 MINIMUM STANDARDS

MS-1 PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

MS-2 DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.

MS-3 A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

MS-4 SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

MS-5 STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

MS-6 SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.

MS-7 CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

MS-8 CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.

MS-9 WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.

MS-10 ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

MS-11 BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.

MS-12 WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.

MS-13 WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.

MS-14 ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.

MS-15 THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.

MS-16 UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
E. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THIS CHAPTER.
F. APPLICABLE SAFETY REQUIREMENTS SHALL BE COMPLIED WITH.

MS-17 WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.

MS-18 ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE VESCP AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

MS-19 PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA. STREAM RESTORATION AND RELOCATION PROJECTS THAT INCORPORATE NATURAL CHANNEL DESIGN CONCEPTS ARE NOT MAN-MADE CHANNELS AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS:

A. CONCENTRATED STORMWATER RUNOFF LEAVING A DEVELOPMENT SITE SHALL BE DISCHARGED DIRECTLY INTO AN ADEQUATE NATURAL OR MAN-MADE RECEIVING CHANNEL, PIPE OR STORM SEWER SYSTEM. FOR THOSE SITES WHERE RUNOFF IS DISCHARGED INTO A PIPE OR PIPE SYSTEM, DOWNSTREAM STABILITY ANALYSES AT THE OUTFALL OF THE PIPE OR PIPE SYSTEM SHALL BE PERFORMED.

B. ADEQUACY OF ALL CHANNELS AND PIPES SHALL BE VERIFIED IN THE FOLLOWING MANNER:
(1) THE APPLICANT SHALL DEMONSTRATE THAT THE TOTAL DRAINAGE AREA TO THE POINT OF ANALYSIS WITHIN THE CHANNEL IS ONE HUNDRED TIMES GREATER THAN THE CONTRIBUTING DRAINAGE AREA OF THE PROJECT IN QUESTION; OR
(A) NATURAL CHANNELS SHALL BE ANALYZED BY THE USE OF A TWO-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP CHANNEL BANKS NOR CAUSE EROSION OF CHANNEL BED OR BANKS.
(B) ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND
(C) PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.

MS-19 MINIMUM STANDARDS (CONT.)

C. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL:
(1) IMPROVE THE CHANNELS TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO CHANNEL THE BED OR BANKS; OR
(2) IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES;
(3) DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL OR WILL NOT CAUSE THE PREDEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MANMADE CHANNEL; OR
(4) PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION OR OTHER MEASURES WHICH IS SATISFACTORY TO THE VESCP AUTHORITY TO PREVENT DOWNSTREAM EROSION.

D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS.

E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT CONDITION OF THE SUBJECT PROJECT.

F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE VESCP OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH THE MAINTENANCE REQUIREMENTS OF THE FACILITY AND THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE.

G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS SHALL BE PLACED AT THE OUTFALL OF ALL DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABILIZED TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL.

H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE.

I. INCREASED VOLUMES OF SHEET FLOWS THAT MAY CAUSE EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY.

J. IN APPLYING THESE STORMWATER MANAGEMENT CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT, AS A WHOLE, SHALL BE CONSIDERED TO BE A SINGLE DEVELOPMENT PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT CONDITION SHALL BE USED IN ALL ENGINEERING CALCULATIONS.

K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EMPLOYED IN A MANNER WHICH MINIMIZES IMPACTS ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS AND OTHER WATERS OF THE STATE.

L. ANY PLAN APPROVED PRIOR TO JULY 1, 2014, THAT PROVIDES FOR STORMWATER MANAGEMENT THAT ADDRESSES ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS SHALL SATISFY THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS IF THE PRACTICES ARE DESIGNED TO (I) DETAIN THE WATER QUALITY VOLUME AND TO RELEASE IT OVER 48 HOURS; (II) DETAIN AND RELEASE OVER A 24-HOUR PERIOD THE EXPECTED RAINFALL RESULTING FROM THE ONE YEAR, 24-HOUR STORM; AND (III) REDUCE THE ALLOWABLE PEAK FLOW RATE RESULTING FROM THE 1.5, 2, AND 10-YEAR, 24-HOUR STORMS TO A LEVEL THAT IS LESS THAN OR EQUAL TO THE PEAK FLOW RATE FROM THE SITE ASSUMING IT WAS IN A GOOD FORESTED CONDITION, ACHIEVED THROUGH MULTIPLICATION OF THE FORESTED PEAK FLOW RATE BY A REDUCTION FACTOR THAT IS EQUAL TO THE RUNOFF VOLUME FROM THE SITE WHEN IT WAS IN A GOOD FORESTED CONDITION DIVIDED BY THE RUNOFF VOLUME FROM THE SITE IN ITS PROPOSED CONDITION, AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS AS DEFINED IN ANY REGULATIONS PROMULGATED PURSUANT TO 62.1-44.15:54 OR 62.1-44.15:65 OF THE ACT.

M. FOR PLANS APPROVED ON AND AFTER JULY 1, 2014, THE FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS OF 62.1-44.15:52 A OF THE ACT AND THIS SUBSECTION SHALL BE SATISFIED BY COMPLIANCE WITH WATER QUANTITY REQUIREMENTS IN THE STORMWATER MANAGEMENT ACT (62.1-44.15:24 ET SEQ. OF THE CODE OF VIRGINIA) AND ATTENDANT REGULATIONS, UNLESS SUCH LAND-DISTURBING ACTIVITIES ARE IN ACCORDANCE WITH 9VAC25-870-48 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP) PERMIT REGULATIONS.

N. COMPLIANCE WITH THE WATER QUANTITY MINIMUM STANDARDS SET OUT IN 9VAC25-870-66 OF THE VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP) PERMIT REGULATIONS SHALL BE DEEMED TO SATISFY THE REQUIREMENTS OF MINIMUM STANDARD 19.

GENERAL EROSION AND SEDIMENT CONTROL NOTES: (FROM VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK)

ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS 9VAC25-840.

ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.

ES-4: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

ES-5: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

ES-6: THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.

ES-7: ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

ES-8: DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

ES-9: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

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Kimley-Horn and Associates, Inc.
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RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

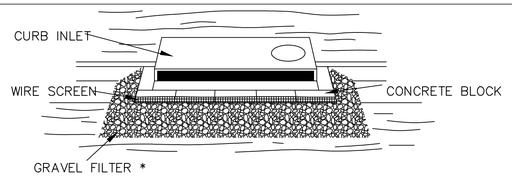
HEY ROAD IMPROVEMENTS
EROSION & SEDIMENT CONTROL NARRATIVE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

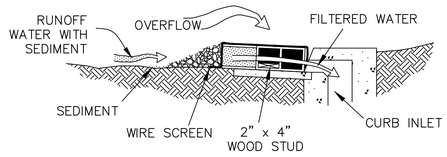
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

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DRAWN BY:	AS			12/19/2025	2B	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\EROSION & SEDIMENT NARRATIVE.dwg 2B - EROSION & SEDIMENT CONTROL NARRATIVE Dec 19, 2025 6:34pm by: Zachary.Sorby
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* GRAVEL SHALL BE VDOT #3, #357 #5 COARSE AGGREGATE

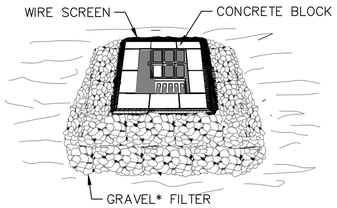


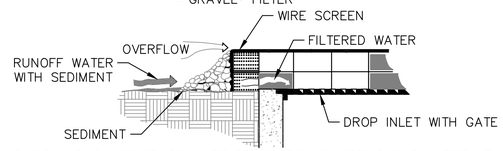
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

STD. & SPEC. 3.07 – VA. EROSION AND SEDIMENT CONTROL HANDBOOK (1992)

GRAVEL CURB INLET SEDIMENT FILTER





SPECIAL APPLICATION: THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.
*GRAVEL SHALL BE VDOT #3, #357, OR #5 COARSE AGGREGATE

BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

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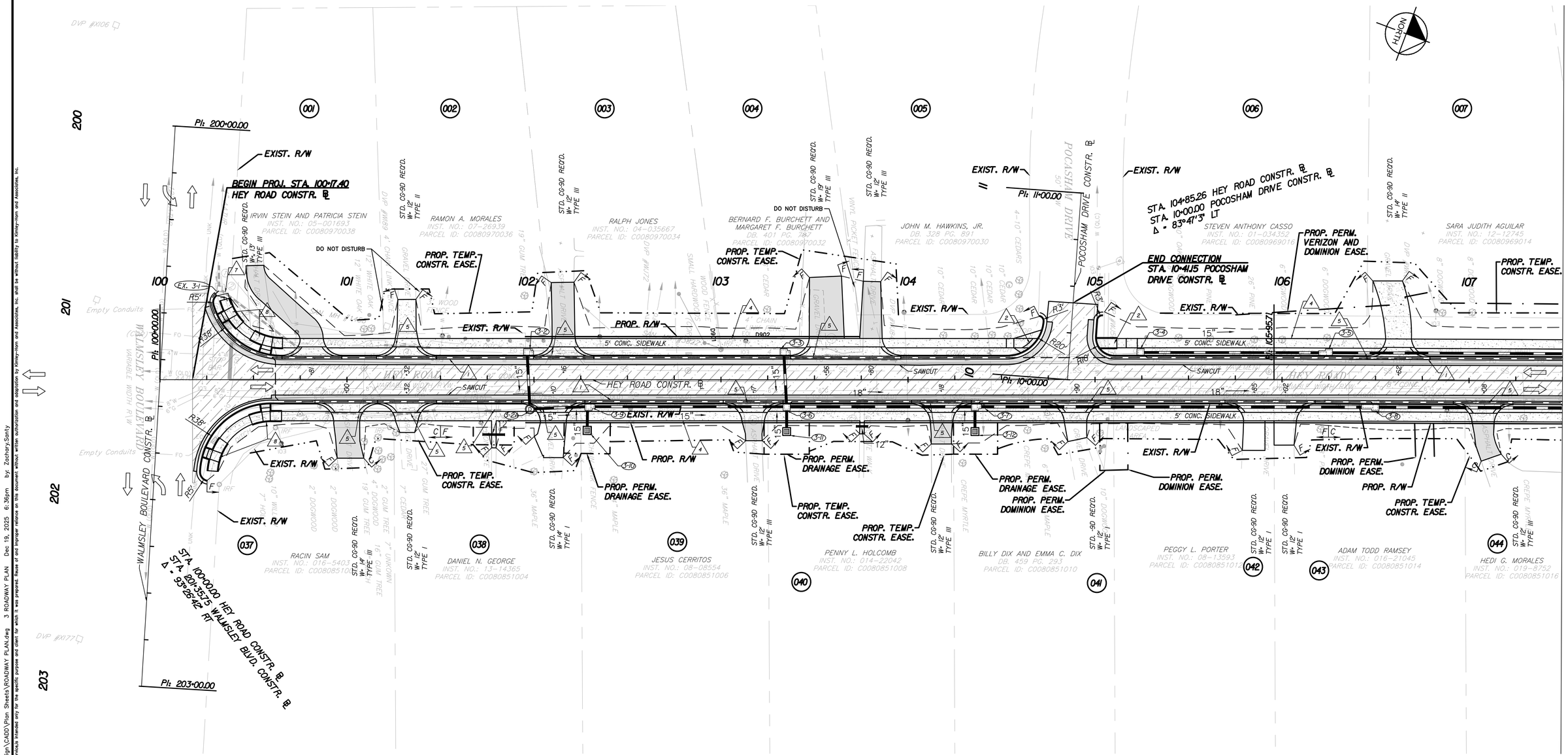
HEY ROAD IMPROVEMENTS
EROSION & SEDIMENT CONTROL DETAILS

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS			12/19/2025	2C	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\EROSION & SEDIMENT NARRATIVE.dwg 2C — EROSION & SEDIMENT CONTROL DETAILS Dec 19, 2025 6:34pm by: Zachary.Santy
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Charlie.Dawson@rva.gov

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Charlie.Dawson@rva.gov

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Department of Public Works
900 E. Broad Street
Richmond, VA 23219
Enrique Burgos
Signal Systems Engineer
(804)-646-6337
enrique.burgos@rva.gov

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETCJ

Survey Alignment Data		ID	
Construction Alignment Data		IE	
Roadway Profile		3A	
E&S Phase I Plan		3B	
E&S Phase II Plan		3C	
Entrance Profiles	3D THUR	3E	
Storm Profiles	9(3) THRU	9(4)	
Utility Plans		10(3)	
Water Profile	10(9) THRU	10(11)	
Communications Plans		11(3)	
Signing & Pavement Marking Plan		12(3)	

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

LEGEND

- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- MILL AND OVERLAY/BUILD UP
- C____ DENOTES CONSTRUCTION LIMITS IN CUTS
- F__ DENOTES CONSTRUCTION LIMITS IN FILLS

1. CITY OF RICHMOND STD. CURB & GUTTER REQ'D.
2. VDOT STD. CG-12, TYPE A REQ'D.
3. VDOT STD. CG-12, TYPE B REQ'D.
4. 4" STD. HYD. CEMENT SDWK. REQ'D.
5. EXIST. PIPE TO BE REMOVED
6. VDOT STD. UD-4 REQ'D.
7. EXIST. PIPE TO BE ABANDONED
8. CG-12 TYPE C
9. STD MGS-2 REQ'D.
10. STD MGS-4 REQ'D.
11. STD GR-11 REQ'D.
- UTILITY POLES

NOTE: DOT – DOT – DASHED LINES DENOTE TEMPORARY EASEMENTS.
NOTE: DOT – DOT – DASHED LINES DENOTE PERMANENT EASEMENTS.

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
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Tel. 804-673-3882

No.	REVISIONS	DATE	BY

HEY ROAD IMPROVEMENTS
ROADWAY PLAN

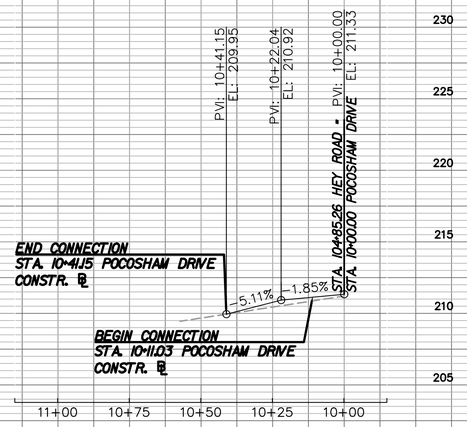
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

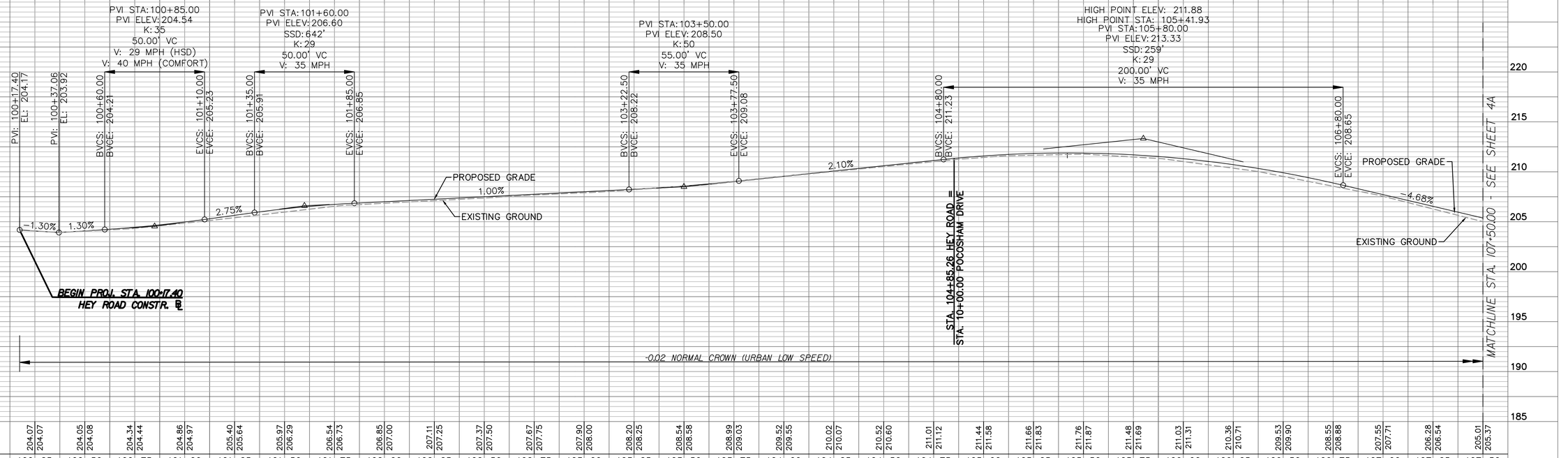
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CHECKED BY: JHO						

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POCOSHAM DRIVE



HEY ROAD



	100+25	100+50	100+75	101+00	101+25	101+50	101+75	102+00	102+25	102+50	102+75	103+00	103+25	103+50	103+75	104+00	104+25	104+50	104+75	105+00	105+25	105+50	105+75	106+00	106+25	106+50	106+75	107+00	107+25	107+50
EXIST. PGL	204.07	204.05	204.34	204.86	205.40	205.97	206.54	206.85	207.11	207.37	207.67	207.90	208.20	208.54	208.99	209.52	210.02	210.52	211.01	211.44	211.66	211.76	211.48	211.03	210.35	209.53	208.55	207.55	206.28	205.01
PROP. PGL	204.07	204.08	204.44	204.97	205.64	206.29	206.73	207.00	207.25	207.50	207.75	208.00	208.25	208.58	209.03	209.55	210.07	210.60	211.12	211.58	211.83	211.87	211.69	211.31	210.71	209.90	208.88	207.71	206.54	205.37

VERT: 1" = 5'
HORIZ: 1" = 25'

No.	REVISIONS	DATE	BY

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

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1700 WILLOW LAWN DR, SUITE 200
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Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS

ROADWAY PROFILE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

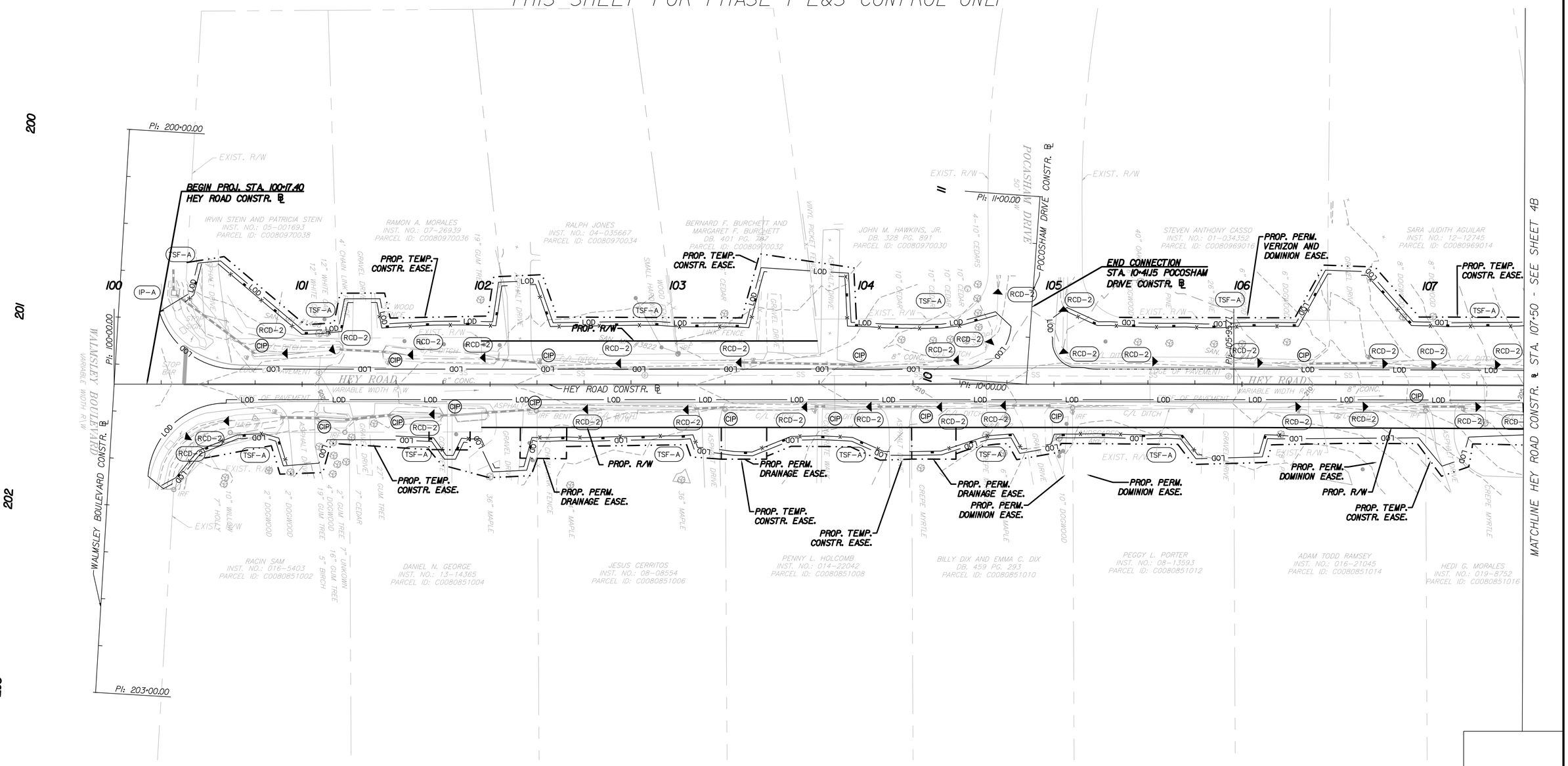
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CHECKED BY: JHO						

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THIS SHEET FOR PHASE I E&S CONTROL ONLY



RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

- TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B
- CIP — Denotes Culvert Inlet Protection, Type C: VDOT St'd EC-6
- LOD — Denotes Limits of Disturbance
- RCD-2 — Denotes Rock Check Dam, Type II: VDOT St'd EC-4
- IP-A — Denotes Inlet Protection, Type A: VDOT St'd EC-6
- IP-B — Denotes Inlet Protection, Type B: VDOT St'd EC-6
- TST — Denotes Temporary Sediment Trap: VDOT St'd EC-7

GRAPHIC SCALE IN FEET 0 12.5 25 50

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CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS PHASE I E&S

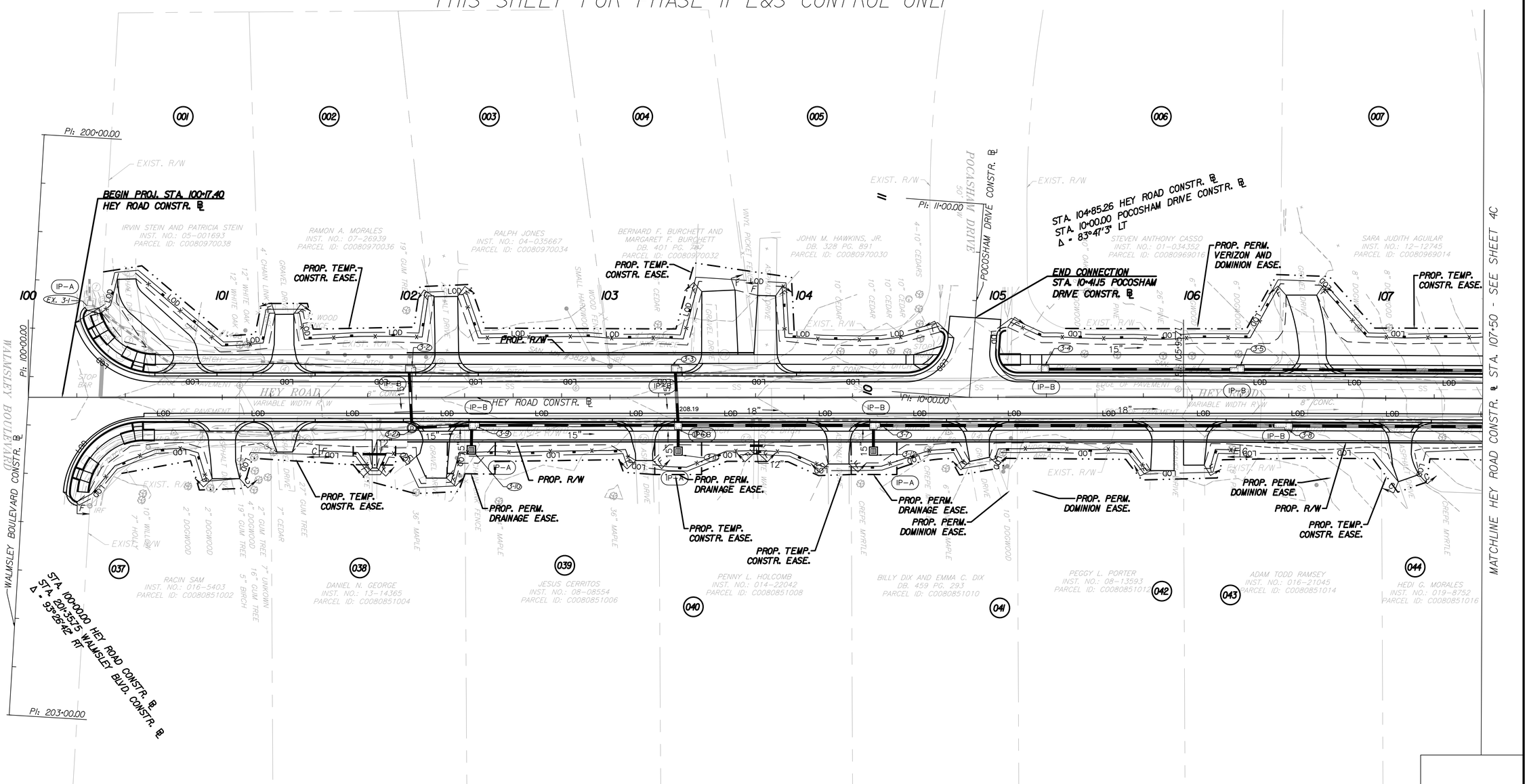
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

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RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

- TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B
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- LOD — Denotes Limits of Disturbance
- RCD-2 — Denotes Rock Check Dam, Type II: VDOT St'd EC-4
- IP-A — Denotes Inlet Protection, Type A: VDOT St'd EC-6
- IP-B — Denotes Inlet Protection, Type B: VDOT St'd EC-6
- TST — Denotes Temporary Sediment Trap: VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

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Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
PHASE II E&S

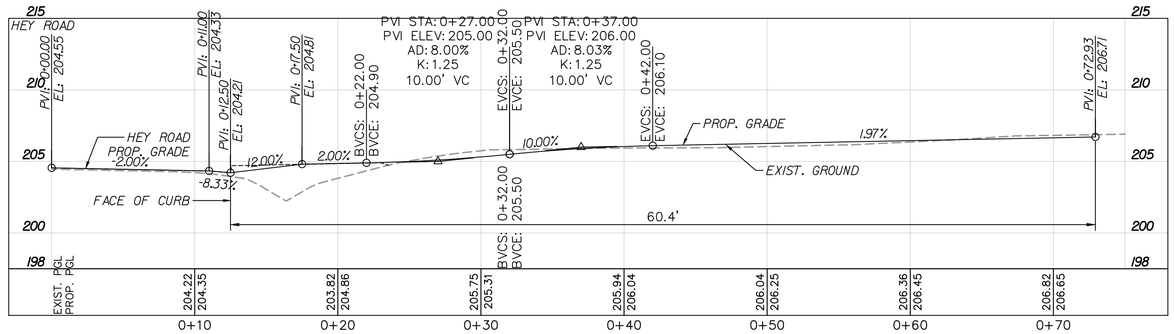
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VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

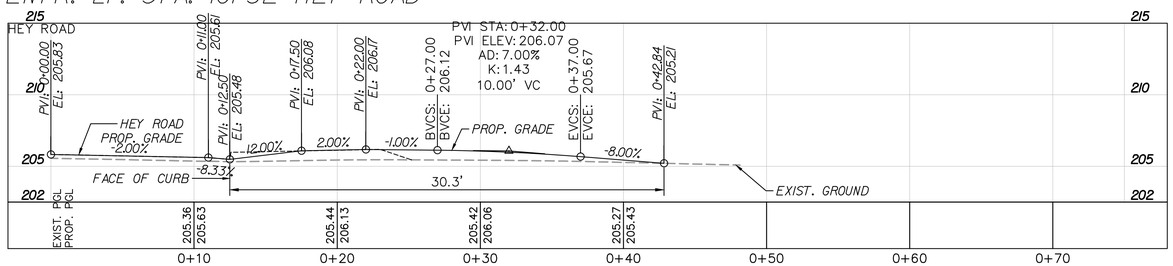
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CHECKED BY: JHO						

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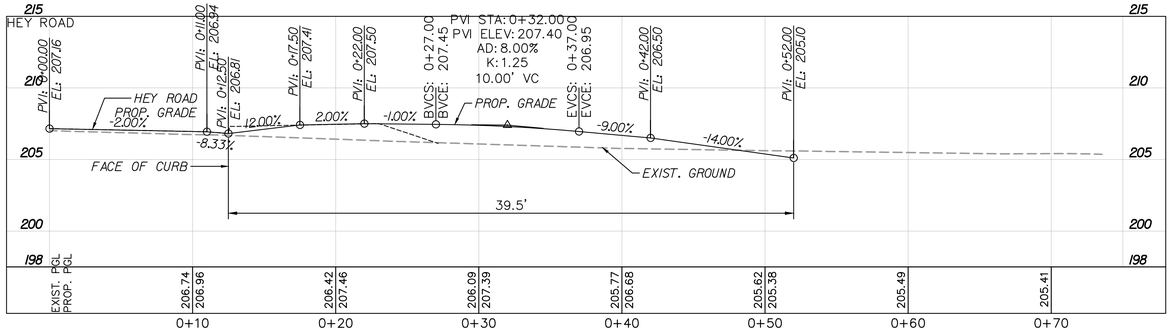
ENTR. LT. STA. 100+81 HEY ROAD



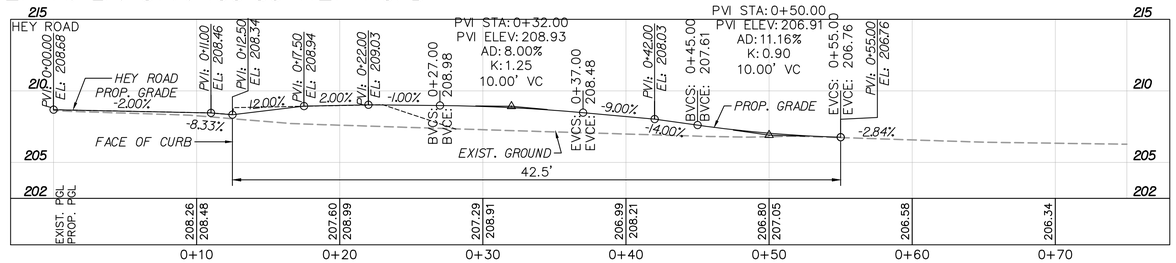
ENTR. LT. STA. 101+32 HEY ROAD



ENTR. LT. STA. 102+16 HEY ROAD

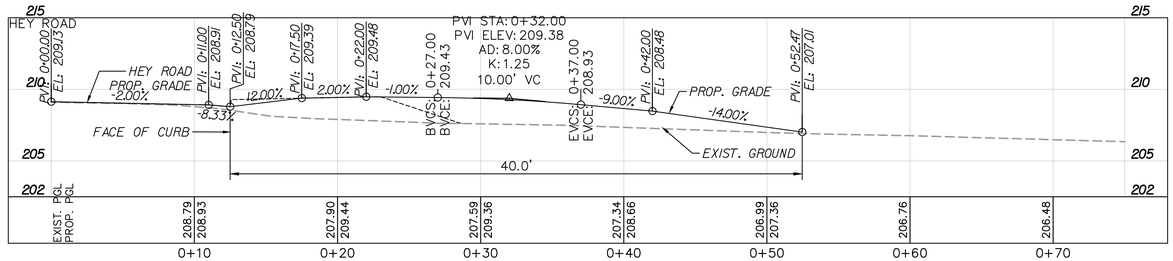


ENTR. LT. STA. 103+56 HEY ROAD

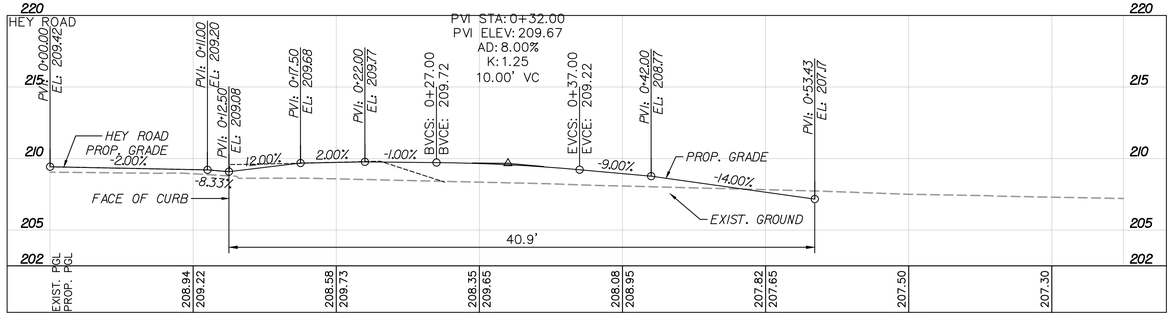


VERT: 1" = 5'
HORIZ: 1" = 5'

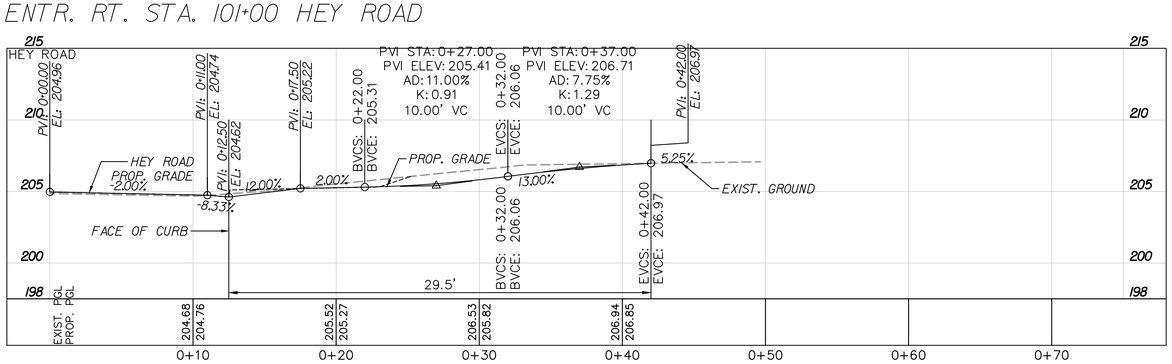
ENTR. LT. STA. 103+80 HEY ROAD



ENTR. LT. STA. 106+62 HEY ROAD



ENTR. RT. STA. 101+00 HEY ROAD



RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

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HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

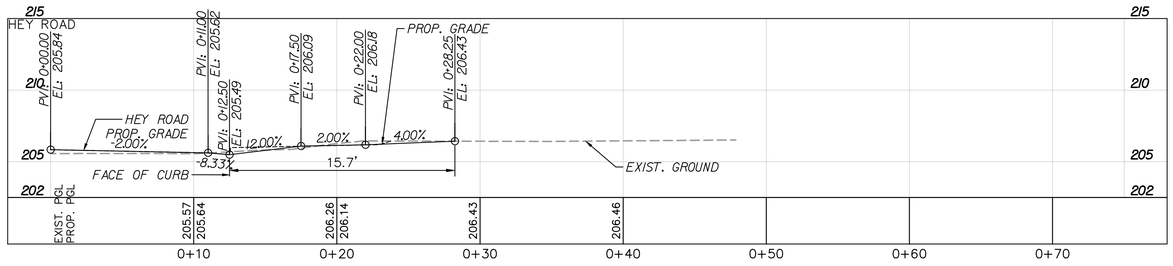
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

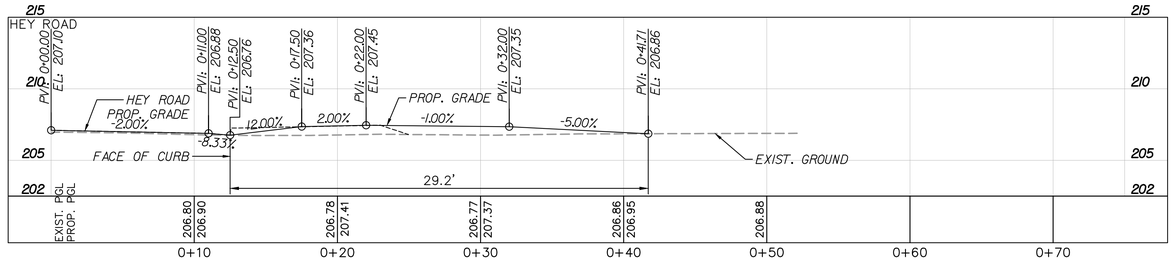
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CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 3D ENTRANCE PROFILES Dec 19, 2025 6:41pm by: ZacherySanty
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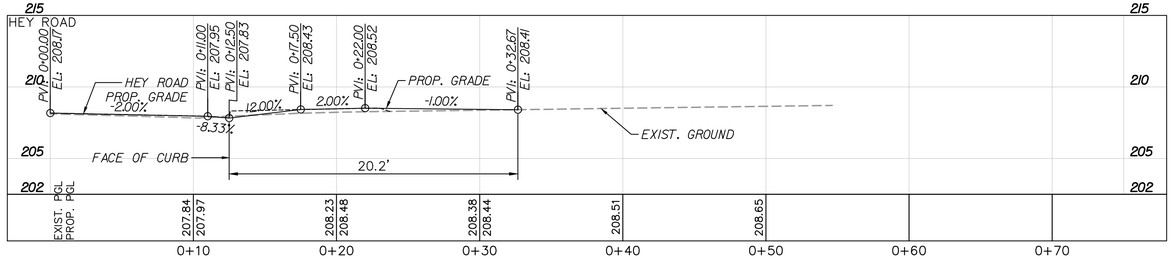
ENTR. RT. STA. 101+32 HEY ROAD



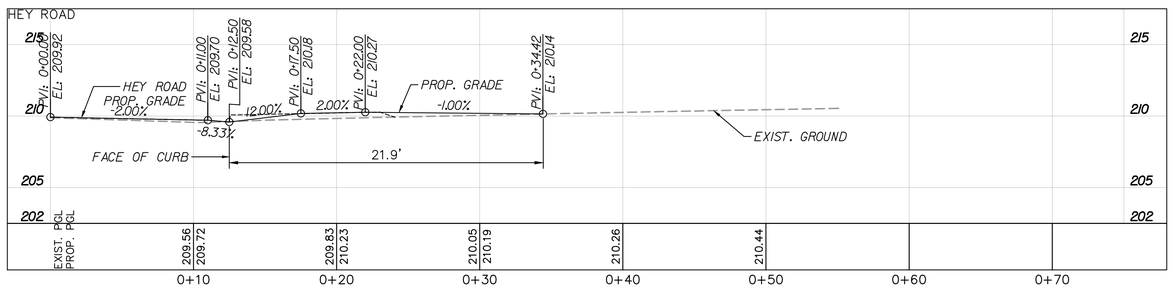
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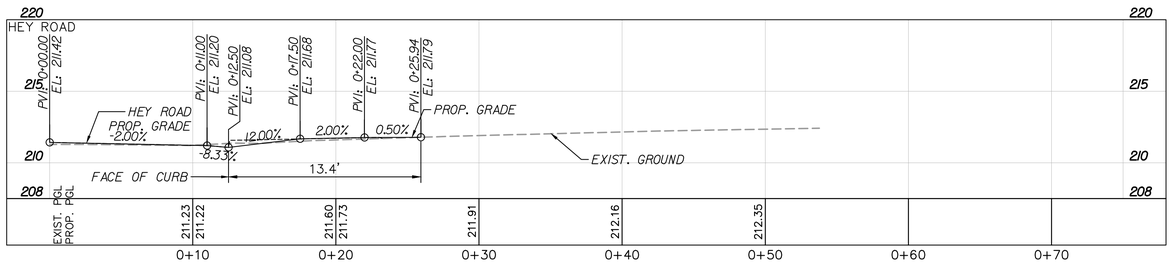
ENTR. RT. STA. 103+17 HEY ROAD



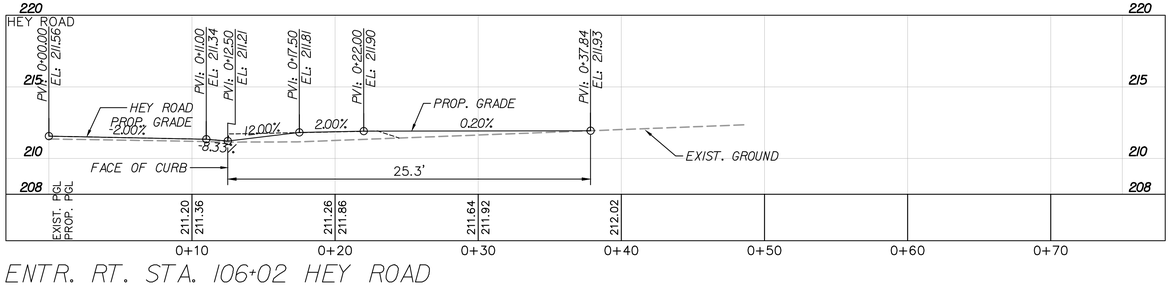
ENTR. RT. STA. 104+18 HEY ROAD



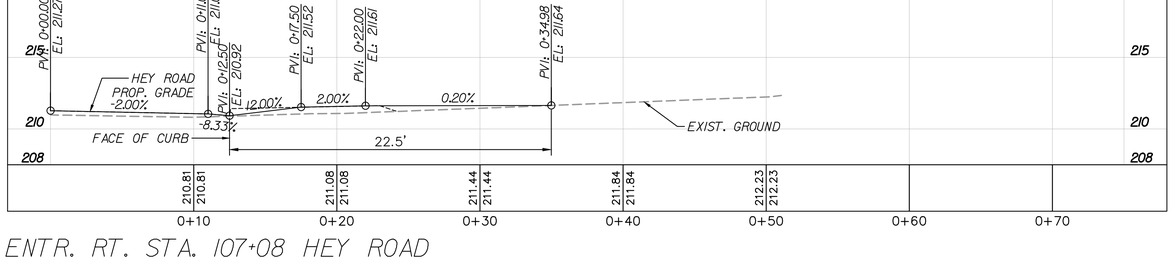
ENTR. RT. STA. 104+90 HEY ROAD



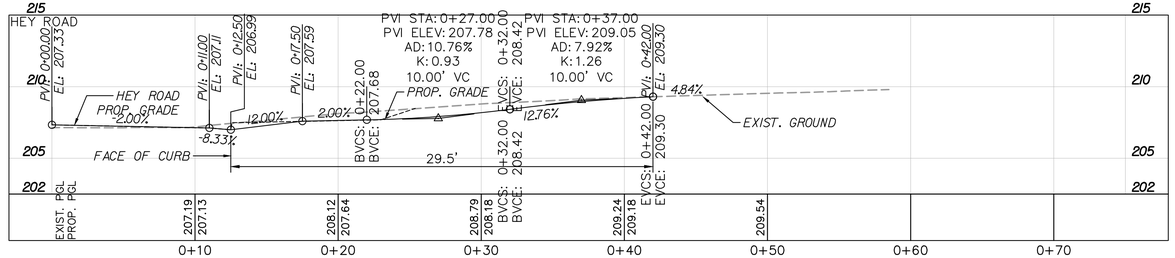
ENTR. RT. STA. 105+85 HEY ROAD



ENTR. RT. STA. 106+02 HEY ROAD



ENTR. RT. STA. 107+08 HEY ROAD



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

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 5'	12/19/2025	3E	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 3E ENTRANCE PROFILES Dec 19, 2025 6:41pm by: ZacharySanty
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Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ROADWAY PLAN.dwg 4 ROADWAY PLAN Dec 19, 2025 6:44pm by: Zachary,Sanly

MATCHLINE HEY ROAD CONSTR. ℄ STA. 107+50 - SEE SHEET 3

MATCHLINE HEY ROAD CONSTR. ℄ STA. 115+25 - SEE SHEET 5

PROP. R/W

EXIST. R/W

HEY ROAD CONSTR. ℄

BLENDWELL ROAD CONSTR. ℄

STD. CG-9D REQ'D. W-4" TYPE III

STD. CG-9D REQ'D. W-12" TYPE III

STD. CG-9D REQ'D. W-12" TYPE I

STD. CG-9D REQ'D. W-15" TYPE III

STD. CG-9D REQ'D. W-2" TYPE III

STD. HH-1 TYPE 20 LF REQ'D.

PROP. GR-II REQ'D.

STD. S-2 CONCRETE STEPS

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. PERM. DOMINION EASE.

PROP. PERM. DRAINAGE EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

EXISTING 16' EASEMENT P.B. 42 PG. 64

EXISTING 16' EASEMENT P.B. 42 PG. 64

7.9 TONS VDOT STD. EC-1 CLASS I

103.4 TONS VDOT STD. EC-1 CLASS I

5' CONC. SIDEWALK

6' CONC. SIDEWALK

5' CONC. APPROXIMATE DIRECTION

3FT WOOD FENCE

SAWCUT

24" STORM PIPE

2-18" OAKS

6 UNKNOWN SPECIES

ROBERT T. JOHNSON
INST. NO.: 04-0028143
PARCEL ID: C0080851012

KEITH A. GRAVES AND DELORIS A. GRAVES
INST. NO.: 02-0009010
PARCEL ID: C0080850010

ROBERT H. DUNKLE AND KATHLEEN A. DUNKLE
INST. NO.: 04-0289146
PARCEL ID: C0080969006

ROBERT H. DUNKLE AND KATHLEEN A. DUNKLE
INST. NO.: 04-028146
PARCEL ID: C0080969002

HEDI G. MORALES
INST. NO.: 01-3036
PARCEL ID: C0080851016

ROLAND A. DELAINE
INST. NO.: 01-3036
PARCEL ID: C0080851018

WILLIE J. MAYFIELD AND MARGARET Y. MAYFIELD
INST. NO.: 07-0114 FD: 1455
PARCEL ID: C0080851022

MARY L. STEWART
INST. NO.: 97-4356
PARCEL ID: C0080851024

GEORGE W. HUSKERSON AND BERNICE B. HUSKERSON
DB. 288 PG. 1210
PARCEL ID: C0080851026

TERESA D. AND DOUGLAS W. AND STEVENS DIANN WALTZ
INST. NO.: 618-145
PARCEL ID: C0080851028

CHERYL A. MOORE
DB. 0379 PG. 0669
PARCEL ID: C0080848121

WILLIE JAMES WALKER
DB. 0443 PG. 1618
PARCEL ID: C0080848120

EARNIE L. POWERS AND MARGIE W. POWERS
INST. NO.: 07-17125
PARCEL ID: C0080772004

PC: 112+24.29

PT: 114+19.30

PI: 20+00.00

PC: 20+14.36

PT: 20+25.69

PI: 21+00.00

END CONNECTION STA. 20+33.71 BLENDWELL RD. CONSTR. ℄

STA. 113+49.80 HEY ROAD CONSTR. ℄
STA. 20+00.00 BLENDWELL RD CONSTR. ℄
Δ = 88°9.43" RT

Curve HEY_I
PI = 113+22.66
DELTA = 18°37'18"(RT)
D = 09° 32' 57"
T = 98.37'
L = 195.004
R = 600'
PC = 112+24.29
PT = 114+19.30
V = 40 MPH
e = Normal Crown (ULS)

Curve BLEN_I
PI = 20+20.08
DELTA = 12°58'40"(LT)
D = 114° 35' 30"
T = 5.69'
L = 11.325
R = 50'
PC = 20+14.36
PT = 20+25.69
V = 25 MPH
e = Match Exist.

NOTES:
1. SEE SHEET 3 FOR UTILITY OWNERS.
2. CONTRACTOR SHALL RELOCATE ALL AFFECTED MAILBOXES ALONG HEY ROAD PER VDOT SPECIFICATIONS.

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

Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway Profile	4A
E&S Phase I Plan	4B
E&S Phase II Plan	4C
Entrance Profiles	4D THRU 4E
Storm Profiles	9(3) THRU 9(5), 9(7)

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

Utility Plans	10(4)
Water Profile	10(9) THRU 10(11)
Communications Plans	11(4)
Signing & Pavement Marking Plan	12(4)

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

LEGEND

- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- MILL AND OVERLAY/BUILD UP
- C___ DENOTES CONSTRUCTION LIMITS IN CUTS
- F__ DENOTES CONSTRUCTION LIMITS IN FILLS

1. CITY OF RICHMOND STD. CURB & GUTTER REQ'D.
2. VDOT STD. CG-12, TYPE A REQ'D.
3. VDOT STD. CG-12, TYPE B REQ'D.
4. 4" STD. HYD. CEMENT SDWK. REQ'D.
5. EXIST. PIPE TO BE REMOVED
6. VDOT STD. UD-4 REQ'D.
7. EXIST. PIPE TO BE ABANDONED
8. CG-12 TYPE C
9. STD MGS-2 REQ'D.
10. STD MGS-4 REQ'D.
11. STD GR-11 REQ'D.
- UTILITY POLES

NOTE: DOT – DOT – DASHED LINES DENOTE TEMPORARY EASEMENTS.
NOTE: DOT – DASHED LINES DENOTE PERMANENT EASEMENTS.

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR. SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

No.	REVISIONS	DATE	BY

HEY ROAD IMPROVEMENTS
ROADWAY PLAN

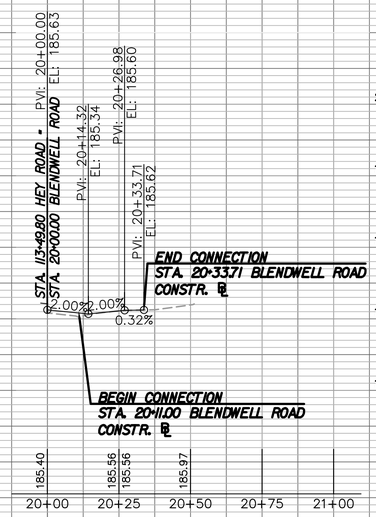
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

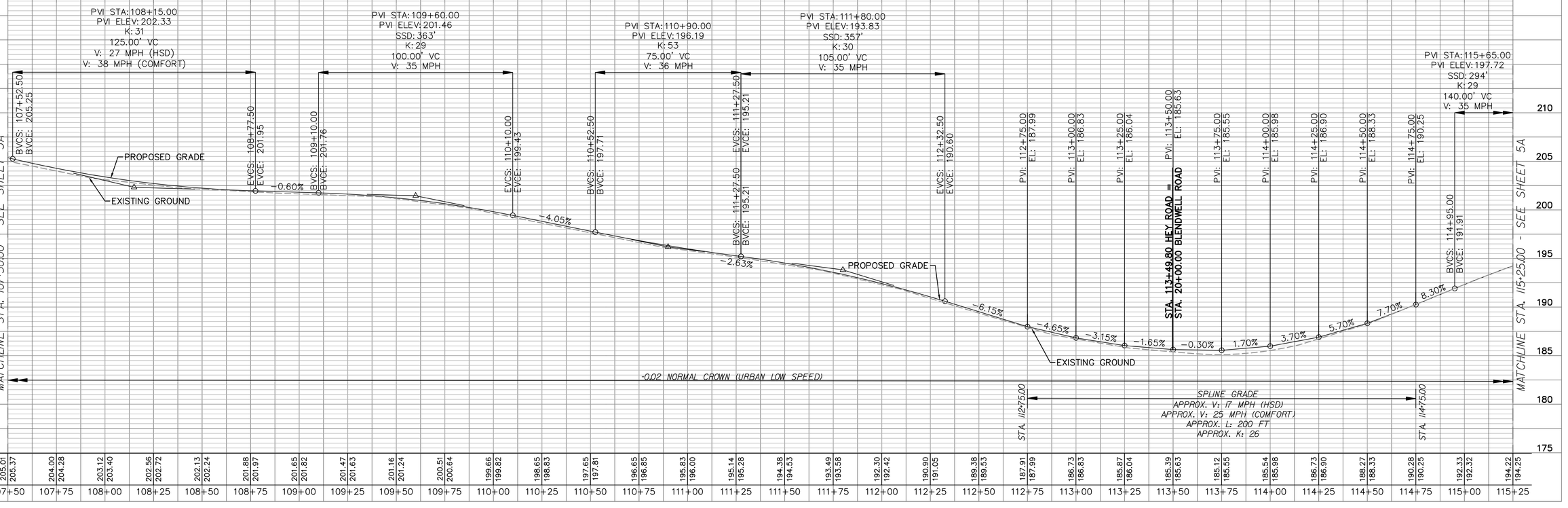
DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	4	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ROADWAY PROFILE.dwg 4A ROADWAY PROFILE Dec 19, 2025 6:44pm by: Zachary.Canty
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BLENDWELL ROAD



HEY ROAD



No.	REVISIONS	DATE	BY

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS

ROADWAY PROFILE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE 1" = 25'	DATE 10/5/2023	SHEET 4A	DRAWING NO. 0-28888

THIS SHEET FOR PHASE I E&S CONTROL ONLY

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. PERM. DRAINAGE EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. TEMP. CONSTR. EASE.

END CONNECTION STA. 20+33.71 BLENDWELL RD. CONSTR. ℄

MATCHLINE HEY ROAD CONSTR. ℄ STA. 107+50 - SEE SHEET 3B

MATCHLINE HEY ROAD CONSTR. ℄ STA. 115+25 - SEE SHEET 5B

HEY ROAD CONSTR. ℄

BLENDWELL ROAD CONSTR. ℄

HEY ROAD

BLENDWELL ROAD

ROBERT T. JOHNSON INST. NO.: 03-0843 PARCEL ID: C0080851012

KEITH A. GRAVES AND DEBORAH A. GRAVES INST. NO.: 02-007749 PARCEL ID: C0080969010

ROBERT H. DUNKLE AND KATHLEEN A. DUNKLE INST. NO.: 04-028146 PARCEL ID: C0080969006

ROLAND A. DELAINE INST. NO.: 01-3036 PARCEL ID: C0080851018

HEIDI G. MORALES INST. NO.: 03-0843 PARCEL ID: C0080851016

WILLIE J. MAYFIELD AND MARGARET Y. MAYFIELD DB. 0114 PG. 1455 PARCEL ID: C0080851022

MARY L. STEWART INST. NO: 97-4356 PARCEL ID: C0080851024

GEORGE W. HUSKERSON AND BERNICE B. HUSKERSON DB. 288 PG. 1210 PARCEL ID: C0080851026

TERESA D. AND DOUGLAS W. AND STEVENS DIANN WALTZ INST. NO.: 018-145 PARCEL ID: C0080851028

CHERYL A. MOORE DB. 0379 PG. 0669 PARCEL ID: C0080848121

WILLIE JAMES WALKER DB. 0443 PG. 1610 PARCEL ID: C0080848120

EARNIE L. POWERS AND MARGIE W. POWERS INST. NO.: 07-17126

EXISTING 16' EASEMENT P.B. 42 PG. 64

3FT WOOD FENCE

8" CONC. APPROXIMATE DIRECTION

EXIST. R/W

PC: 112+24.29

PI: 20+00.00

PC: 20+14.36

PT: 20+25.69

PT: 114+21.10

PI: 21+00.00

109 110 111 112 113 114 115

TSB-1 TSF-A RCD-2 CIP IP-A HEY-J

LOD

GRAPHIC SCALE IN FEET 0 12.5 25 50

Kimley»Horn

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TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B

CIP — Denotes Culvert Inlet Protection, Type C; VDOT St'd EC-6

LOD — Denotes Limits of Disturbance

RCD-2 — Denotes Rock Check Dam, Type II; VDOT St'd EC-4

IP-A — Denotes Inlet Protection, Type A; VDOT St'd EC-6

IP-B — Denotes Inlet Protection, Type B; VDOT St'd EC-6

TST — Denotes Temporary Sediment Trap; VDOT St'd EC-7

No.	REVISIONS	DATE	BY

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

HEY ROAD IMPROVEMENTS PHASE I E&S

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

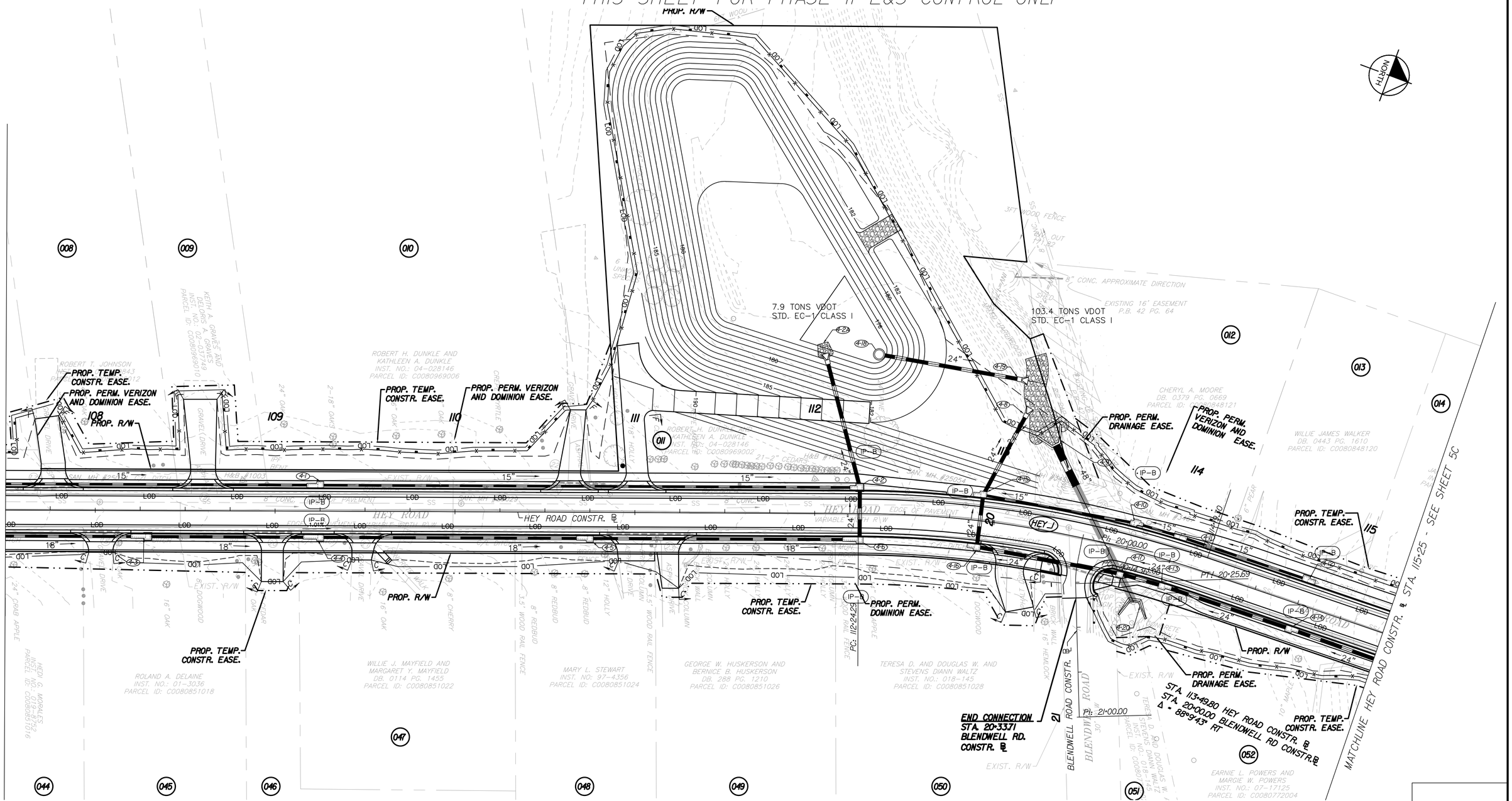
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	4B	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\PHASE I E&S.dwg 4B PHASE 1 E&S Dec 19, 2025 6:46pm by: Zachary.Santy

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RW PLANS

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Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B

CP — Denotes Culvert Inlet Protection, Type C: VDOT St'd EC-6

LOD — Denotes Limits of Disturbance

RCD-2 — Denotes Rock Check Dam, Type II: VDOT St'd EC-4

IP-A — Denotes Inlet Protection, Type A: VDOT St'd EC-6

IP-B — Denotes Inlet Protection, Type B: VDOT St'd EC-6

TST — Denotes Temporary Sediment Trap: VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

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Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS
PHASE II E&S

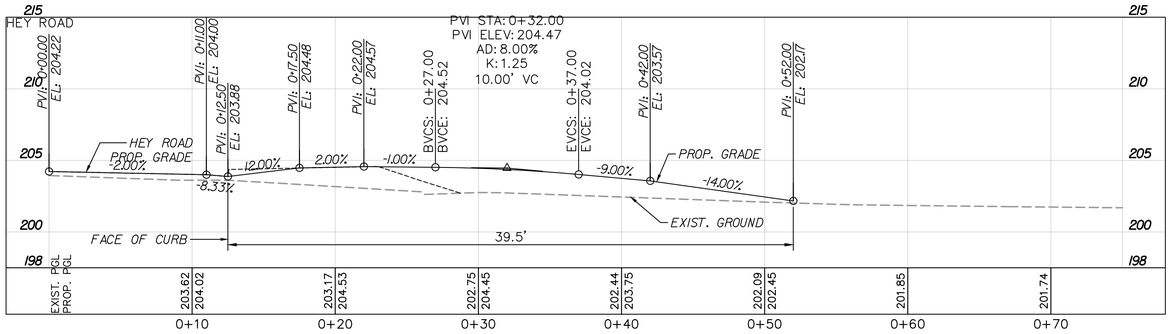
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

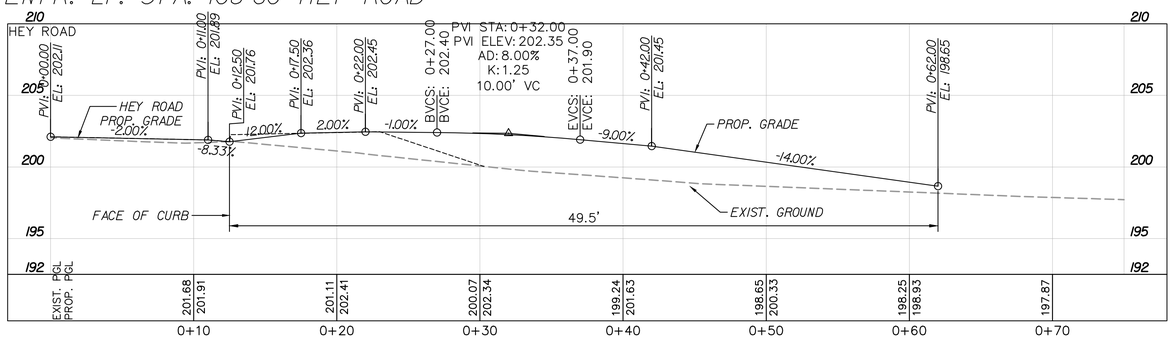
DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	4C	O-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\Phase II E&S.dwg 4C PHASE II E&S Dec 19, 2025 6:48pm by: Zachary.Sanly
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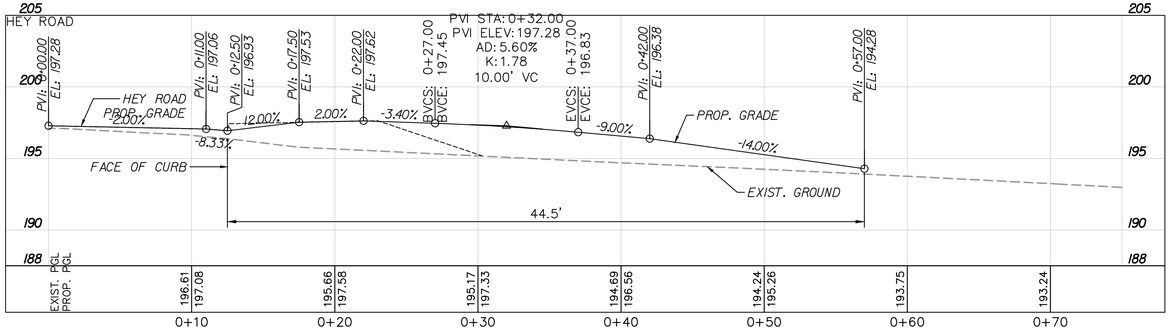
ENTR. LT. STA. 107+77 HEY ROAD



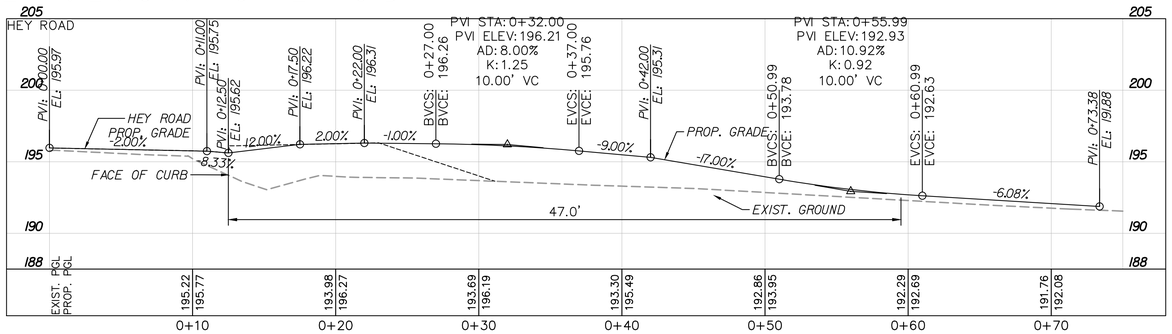
ENTR. LT. STA. 108+60 HEY ROAD



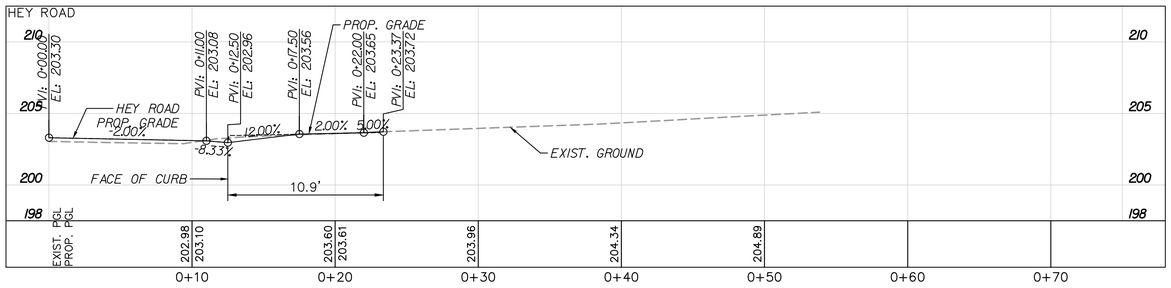
ENTR. LT. STA. 110+64 HEY ROAD



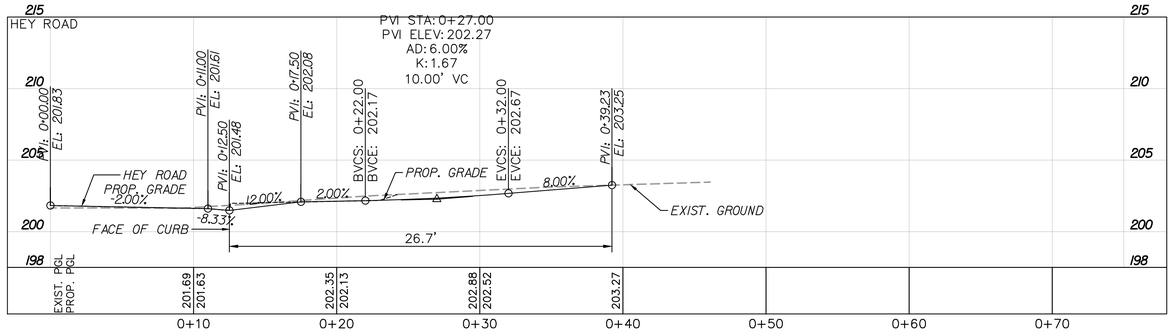
ENTR. LT. STA. 111+01 HEY ROAD



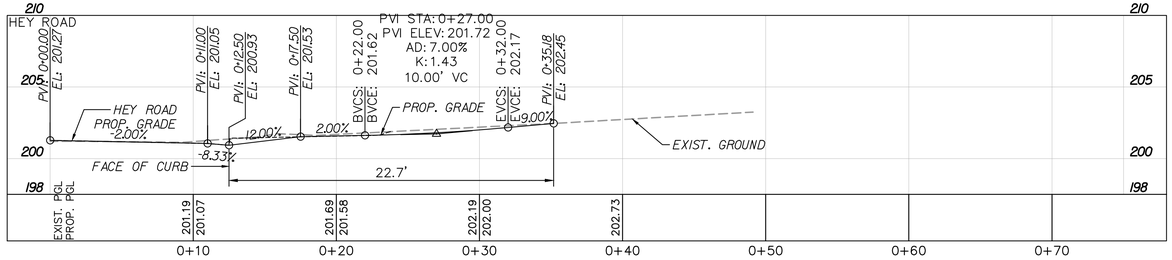
ENTR. RT. STA. 108+03 HEY ROAD



ENTR. RT. STA. 108+99 HEY ROAD



ENTR. RT. STA. 109+48 HEY ROAD



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

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

LEGEND
- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

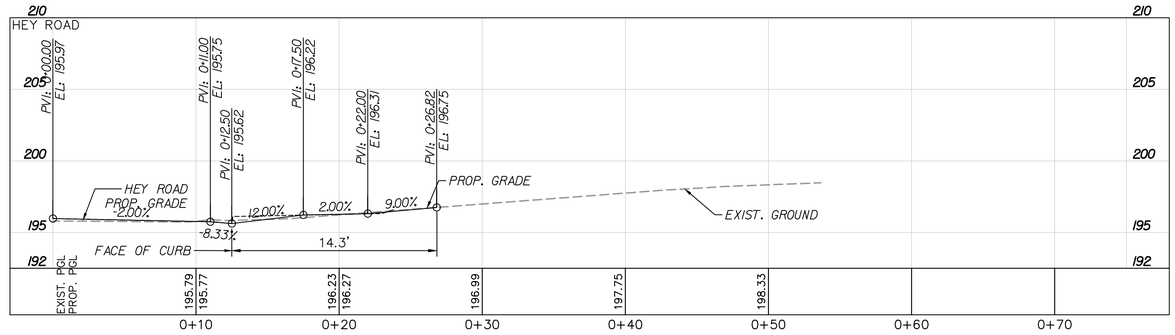
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

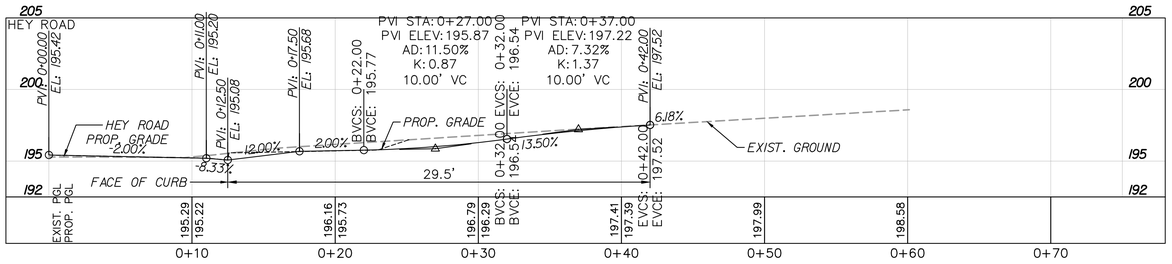
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DRAWN BY:	AS		1" = 5'	12/19/2025	4D	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 4D ENTRANCE PROFILES Dec 19, 2025 6:48pm by: Zachary.Santy
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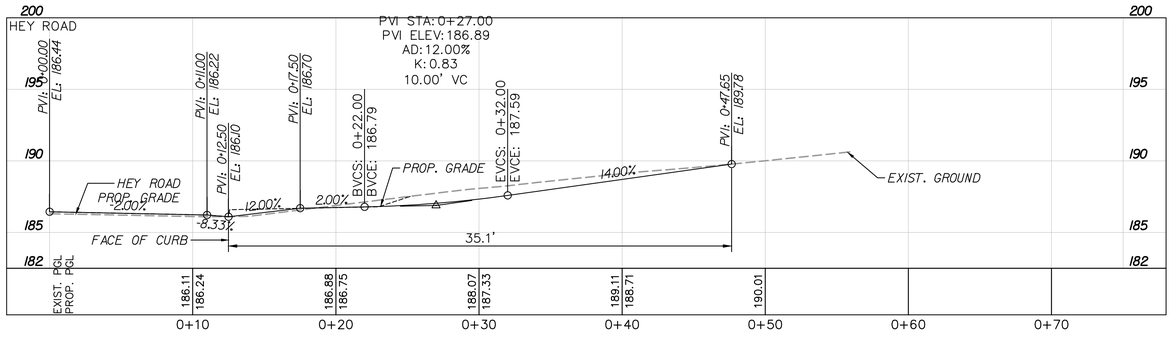
ENTR. RT. STA. 111+01 HEY ROAD



ENTR. RT. STA. 111+20 HEY ROAD



ENTR. RT. STA. 113+12 HEY ROAD



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

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

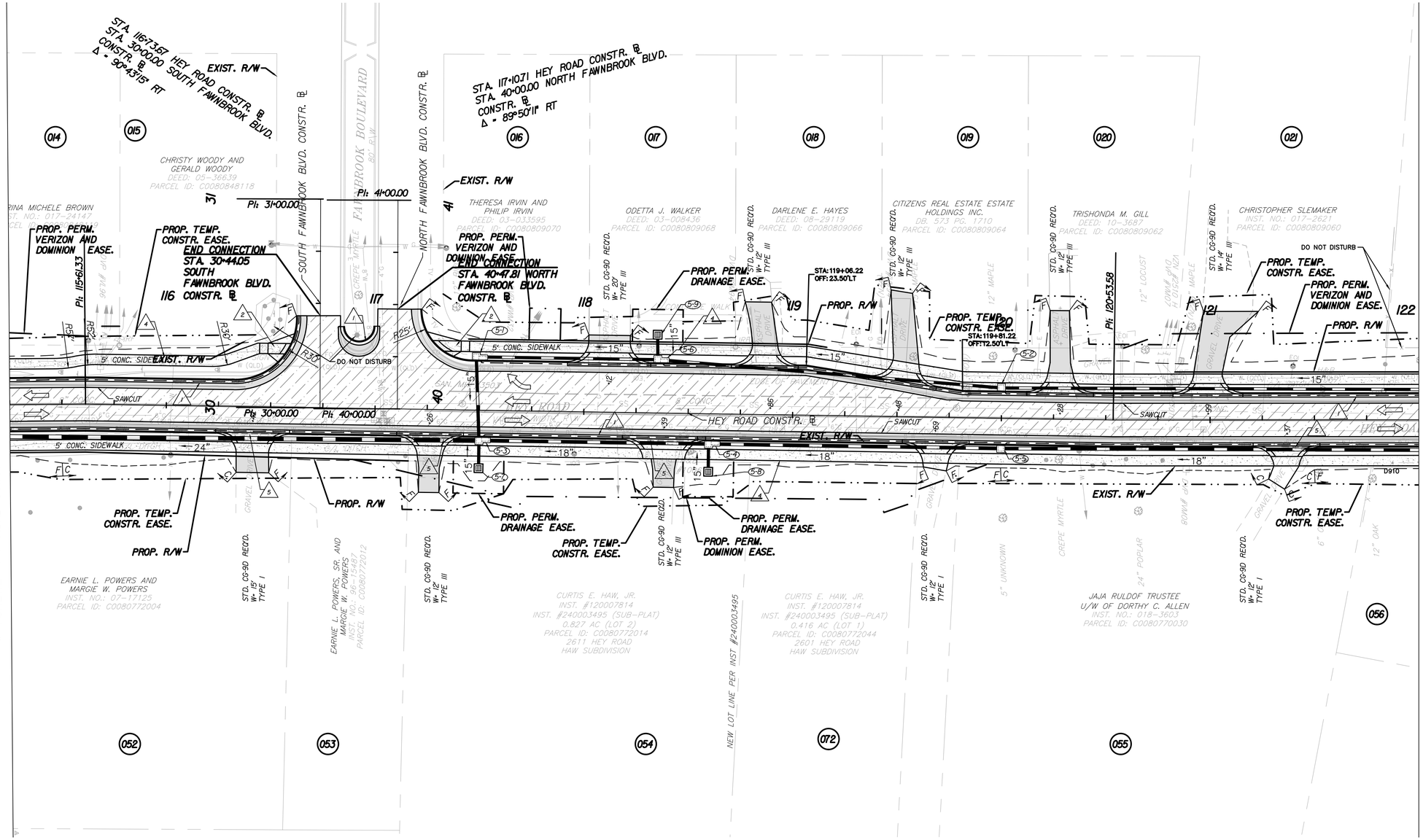
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE 1" = 5'	DATE 12/19/2025	SHEET 4E	DRAWING NO. 0-28888

Drawing name: K:\RIC_RPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 4E ENTRANCE PROFILES Dec 19, 2025 6:48pm by: Zachary.Santy
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NOTES:
1. SEE SHEET 3 FOR UTILITY OWNERS.
2. CONTRACTOR SHALL RELOCATE ALL AFFECTED MAILBOXES ALONG HEY ROAD PER VDOT SPECIFICATIONS.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETCJ

Survey Alignment Data		ID
Construction Alignment Data		IE
Roadway Profile		5A
E&S Phase I Plan		5B
E&S Phase II Plan		5C
Entrance Profiles	5D THUR	5E
Storm Profiles	9(5) THRU	9(7)
Utility Plans		10(5)
Water Profile	10(10) THRU	10(11)
Communications Plans		11(5)
Signing & Pavement Marking Plan		12(5)

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

LEGEND

- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- MILL AND OVERLAY/BUILD UP
- C____ DENOTES CONSTRUCTION LIMITS IN CUTS
- F__ DENOTES CONSTRUCTION LIMITS IN FILLS

1. CITY OF RICHMOND STD. CURB & GUTTER REQ'D.
2. VDOT STD. CG-12, TYPE A REQ'D.
3. VDOT STD. CG-12, TYPE B REQ'D.
4. 4" STD. HYD. CEMENT SDWK. REQ'D.
5. EXIST. PIPE TO BE REMOVED
6. VDOT STD. UD-4 REQ'D.
7. EXIST. PIPE TO BE ABANDONED
8. CG-12 TYPE C
9. STD MGS-2 REQ'D.
10. STD MGS-4 REQ'D.
11. STD GR-11 REQ'D.
- UTILITY POLES

NOTE: DOT – DOT – DASHED LINES DENOTE TEMPORARY EASEMENTS.
NOTE: DOT – DASHED LINES DENOTE PERMANENT EASEMENTS.

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

No.	REVISIONS	DATE	BY

HEY ROAD IMPROVEMENTS
ROADWAY PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

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CHECKED BY: JHO						

SOUTH FAWNBROOK BLVD.

NORTH FAWNBROOK BLVD.

HEY ROAD

PVI STA: 117+25.00
PVI ELEV: 203.29
K: 65
50.00' VC
V: 40 MPH

PVI STA: 118+25.00
PVI ELEV: 207.53
SSD: 1374'
K: 63
50.00' VC
V: 45 MPH

HIGH POINT ELEV: 212.85
HIGH POINT STA: 120+40.67
PVI STA: 120+05.00
PVI ELEV: 213.74
SSD: 308'
K: 36
175.00' VC
V: 37 MPH

LOW POINT ELEV: 211.06
LOW POINT STA: 122+29.14
PVI STA: 122+25.00
PVI ELEV: 210.55
K: 55
150.00' VC
V: 37 MPH

PVI STA: 115+65.00
PVI ELEV: 197.72
SSD: 294'
K: 29
140.00' VC
V: 35 MPH

MATCHLINE STA. 115+25.00 - SEE SHEET 4A

MATCHLINE STA. 122+00.00 - SEE SHEET 6A

PROPOSED GRADE

EXISTING GROUND

-0.02 NORMAL CROWN (URBAN LOW SPEED)

	115+25	115+50	115+75	116+00	116+25	116+50	116+75	117+00	117+25	117+50	117+75	118+00	118+25	118+50	118+75	119+00	119+25	119+50	120+00	120+25	120+50	120+75	121+00	121+25	121+50	121+75	122+00
EXIST. PGL	194.22	195.80	197.22	198.39	199.38	200.26	201.14	202.12	203.16	204.25	205.36	206.43	207.48	208.35	209.19	210.03	210.88	211.59	212.22	212.52	212.76	212.72	212.61	212.31	211.94	211.54	211.23	210.98
PROP. PGL	194.25	195.95	197.45	198.73	199.79	200.68	201.55	202.42	203.34	204.35	205.41	206.47	207.48	208.40	209.26	210.12	210.98	211.70	212.25	212.62	212.82	212.84	212.68	212.36	212.00	211.64	211.33	211.14

VERT: 1" = 5'
HORIZ: 1" = 25'

No.	REVISIONS	DATE	BY

Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

HEY ROAD IMPROVEMENTS

ROADWAY PROFILE

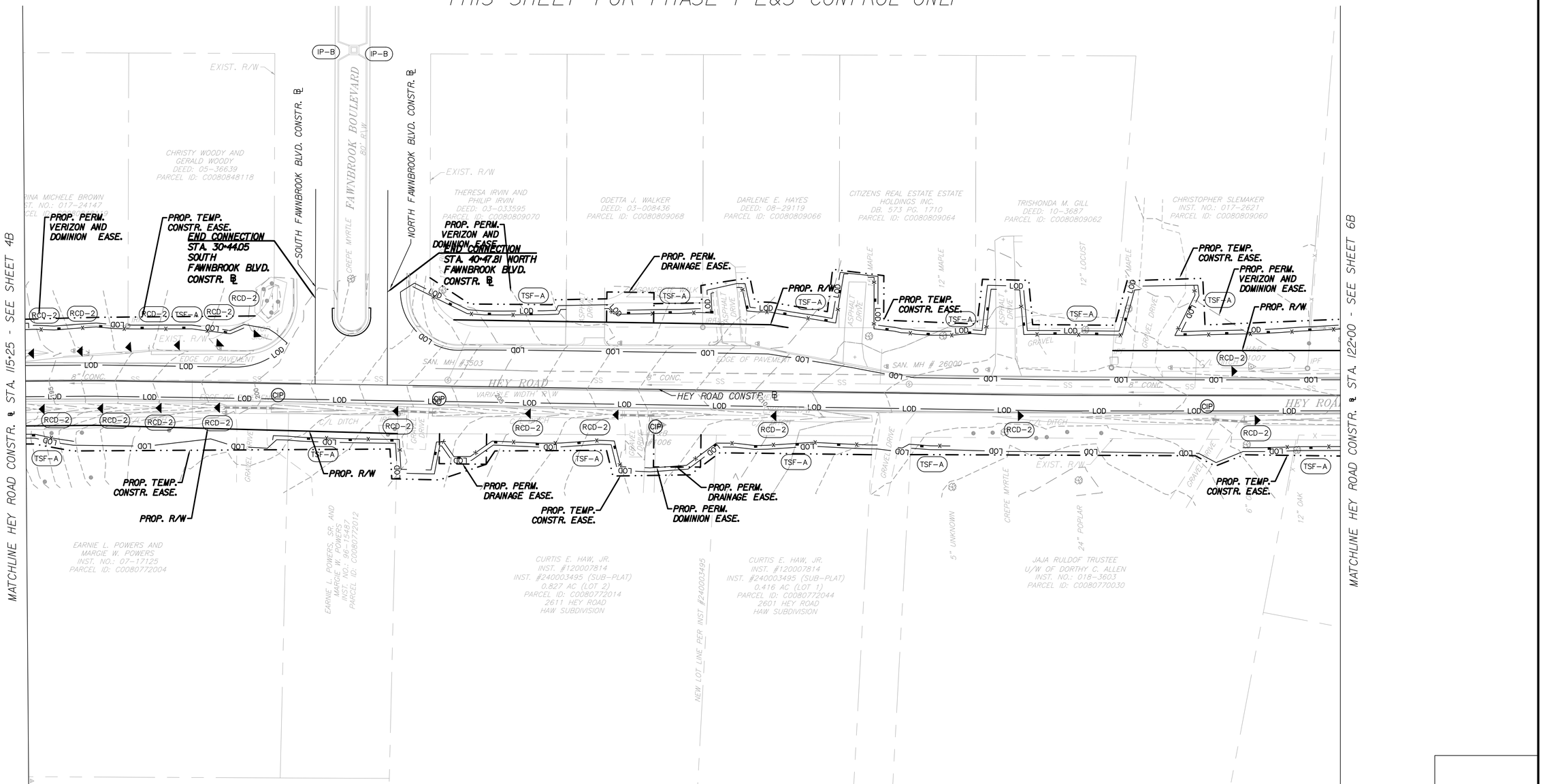
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
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CHECKED BY: JHO						

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THIS SHEET FOR PHASE I E&S CONTROL ONLY



RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

- TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B
- CIP — Denotes Culvert Inlet Protection, Type C; VDOT St'd EC-6
- LOD — Denotes Limits of Disturbance
- RCD-2 — Denotes Rock Check Dam, Type II; VDOT St'd EC-4
- IP-A — Denotes Inlet Protection, Type A; VDOT St'd EC-6
- IP-B — Denotes Inlet Protection, Type B; VDOT St'd EC-6
- TST — Denotes Temporary Sediment Trap; VDOT St'd EC-7

GRAPHIC SCALE IN FEET 0 12.5 25 50

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Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS PHASE I E&S

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

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DRAWN BY:	AS		1" = 25'	12/19/2025	5B	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\PHASE I E&S\5B PHASE 1 E&S.dwg Dec 19, 2025 6:53pm by: Zachary.Santy
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THIS SHEET FOR PHASE II E&S CONTROL ONLY

NORTH

MATCHLINE HEY ROAD CONSTR. ℄ STA. 115+25 - SEE SHEET 4C

MATCHLINE HEY ROAD CONSTR. ℄ STA. 122+00 - SEE SHEET 6C

STA. 116+73.67 HEY ROAD CONSTR. ℄
STA. 30+00.00 SOUTH FAWNBROOK BLVD.
CONSTR. ℄
Δ = 90°43'15" RT

STA. 117+10.71 HEY ROAD CONSTR. ℄
STA. 40+00.00 NORTH FAWNBROOK BLVD.
CONSTR. ℄
Δ = 89°50'11" RT

FAWNBROOK BOULEVARD 80' R/W

SOUTH FAWNBROOK BLVD. CONSTR. ℄

NORTH FAWNBROOK BLVD. CONSTR. ℄

HEY ROAD CONSTR. ℄

HEY ROAD
VARIABLE WIDTH R/W

EXIST. R/W

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

END CONNECTION STA. 30+44.05 SOUTH FAWNBROOK BLVD. 116 CONSTR. ℄

END CONNECTION STA. 40+47.81 NORTH FAWNBROOK BLVD. CONSTR. ℄

PROP. PERM. DRAINAGE EASE.

PROP. R/W

PROP. TEMP. CONSTR. EASE.
STA: 119+81.22
OFF: 72.50'LT

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. R/W

PROP. PERM. DRAINAGE EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. PERM. DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. R/W

PROP. TEMP. CONSTR. EASE.

STA: 119+06.22
OFF: 23.50'LT

PI: 31+00.00

PI: 41+00.00

PI: 30+00.00

PI: 40+00.00

PI: 115+61.33

PI: 120+53.58

IP-A

IP-B

CP

5-2

5-3

5-4

5-5

5-6

5-9

15"

18"

24"

6" CONC.

EDGE OF PAVEMENT

GRAVEL DRIVE

CHAIN LINK FENCE

WOOD FENCE

SAN. MH #7503

12" MAPLE

12" LOCUST

5" UNKNOWN

CREPE MYRTLE

24" POPLAR

6" CEDAR

12" OAK

CHRISTY WOODY AND
GERALD WOODY
DEED: 05-36639
PARCEL ID: C0080848118

CHRISTOPHER SLEMAKER
INST. NO.: 017-2621
PARCEL ID: C0080809060

THERESA IRVIN AND
PHILIP IRVIN
DEED: 03-033595
PARCEL ID: C0080809070

ODETTA J. WALKER
DEED: 03-008436
PARCEL ID: C0080809068

DARLENE E. HAYES
DEED: 08-29119
PARCEL ID: C0080809066

CITIZENS REAL ESTATE ESTATE
HOLDINGS INC.
DB. 573 PG. 1710
PARCEL ID: C0080809064

TRISHONDA M. GILL
DEED: 10-3657
PARCEL ID: C0080809062

EARNIE L. POWERS AND
MARGIE W. POWERS
INST. NO.: 07-17125
PARCEL ID: C0080772004

EARNIE L. POWERS, SR. AND
MARGIE W. POWERS
INST. NO.: 96-15487
PARCEL ID: C0080772012

CURTIS E. HAW, JR.
INST. #120007814
INST. #240003495 (SUB-PLAT)
0.827 AC (LOT 2)
PARCEL ID: C0080772014
2611 HEY ROAD
HAW SUBDIVISION

CURTIS E. HAW, JR.
INST. #120007814
INST. #240003495 (SUB-PLAT)
0.416 AC (LOT 1)
PARCEL ID: C0080772044
2601 HEY ROAD
HAW SUBDIVISION

JAJA RULDOF TRUSTEE
U/W OF DORTHY C. ALLEN
INST. NO.: 018-3603
PARCEL ID: C0080770030

NEW LOT LINE PER INST #240003495

014 015 016 017 018 019 020 021 052 053 054 072 055 056

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B

CP — Denotes Culvert Inlet Protection, Type C; VDOT St'd EC-6

LOD — Denotes Limits of Disturbance

RCD-2 — Denotes Rock Check Dam, Type II; VDOT St'd EC-4

IP-A — Denotes Inlet Protection, Type A; VDOT St'd EC-6

IP-B — Denotes Inlet Protection, Type B; VDOT St'd EC-6

TST — Denotes Temporary Sediment Trap; VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

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RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
PHASE II E&S

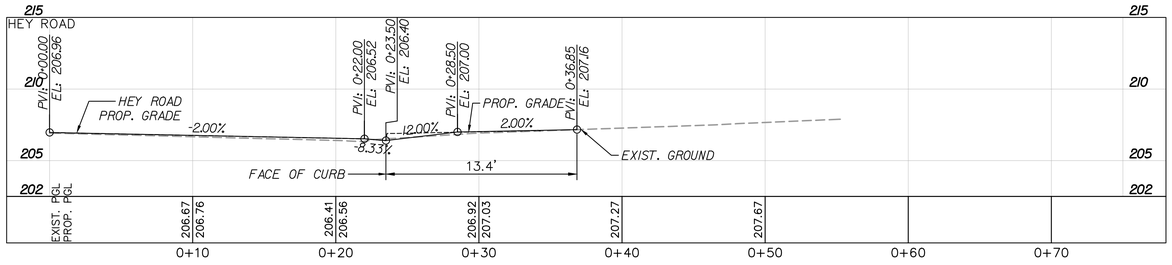
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

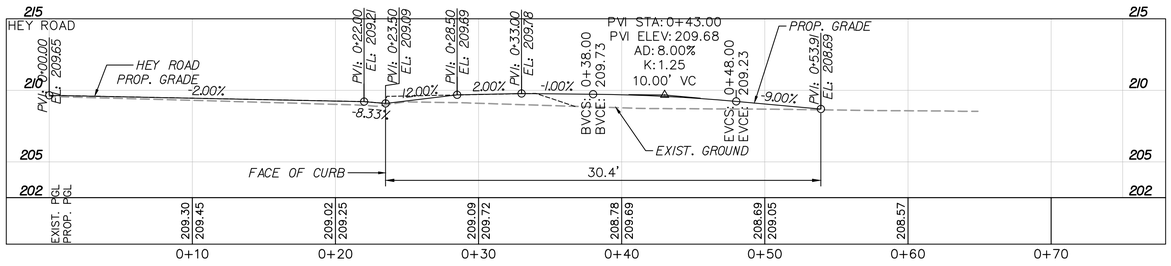
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DRAWN BY:	AS		1" = 25'	12/19/2025	5C	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\Phase II E&S\Phase II E&S.dwg 5C PHASE II E&S Dec 19, 2025 6:54pm by: Zachary.Sanly
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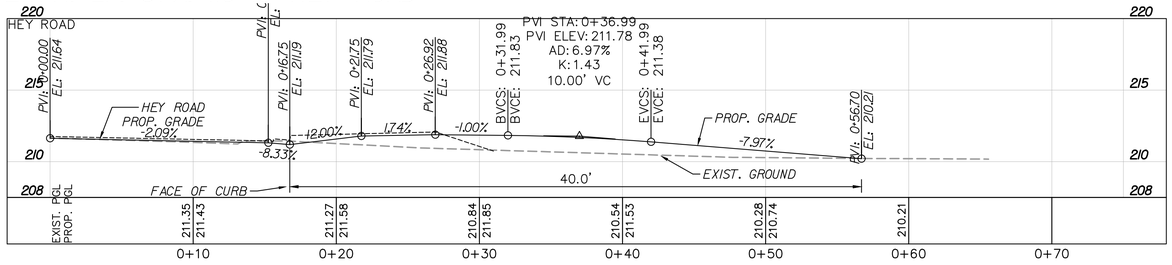
ENTR. LT. STA. 118+12 HEY ROAD



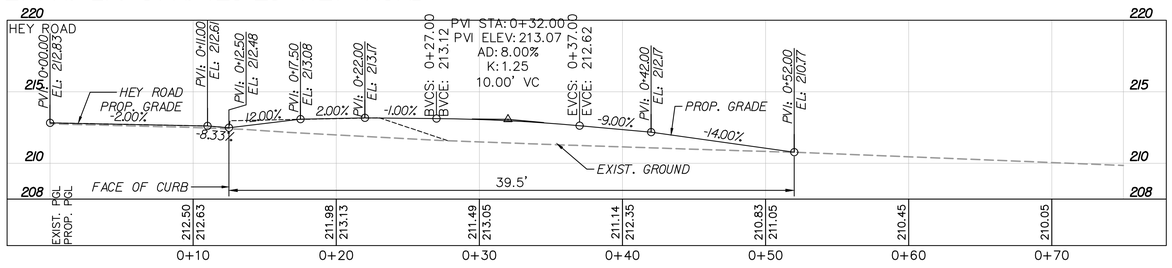
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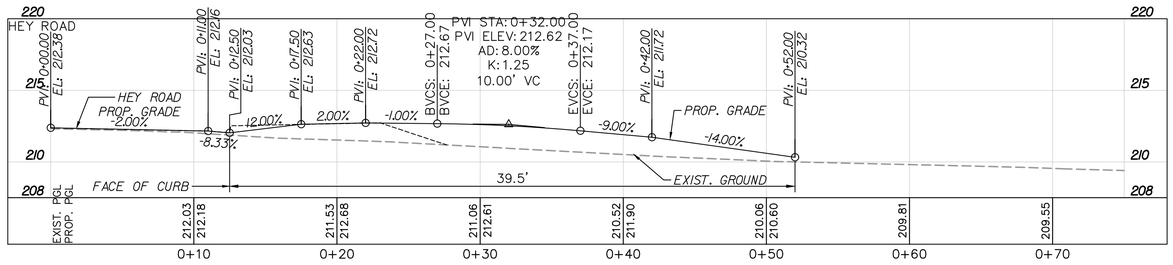
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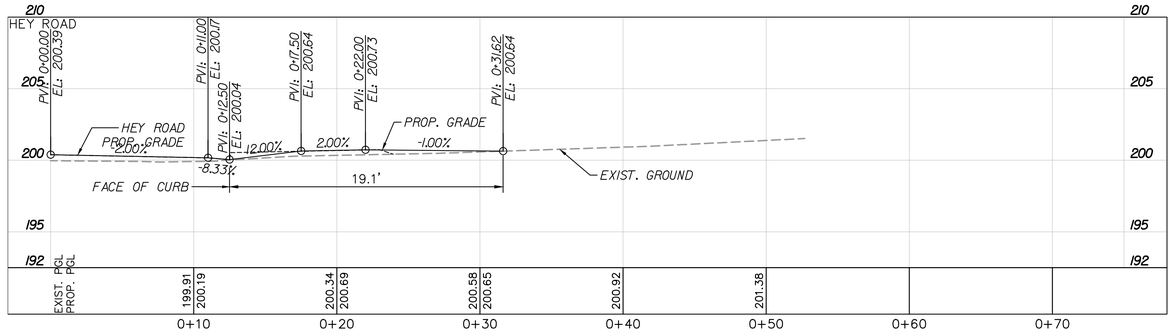
ENTR. LT. STA. 120+28 HEY ROAD



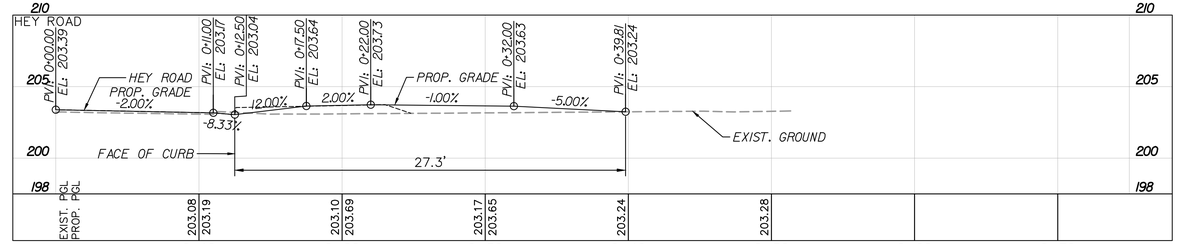
ENTR. LT. STA. 120+99 HEY ROAD



ENTR. RT. STA. 116+42 HEY ROAD



ENTR. RT. STA. 117+26 HEY ROAD



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

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

RW PLANS

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Richmond, Virginia
ROADWAY ENGINEER

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Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

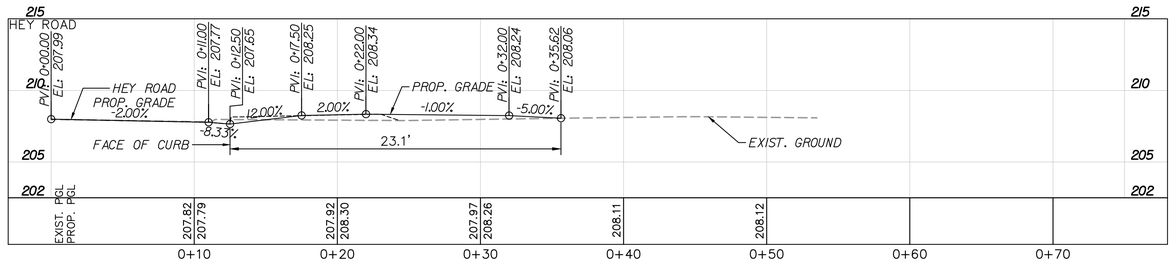
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VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

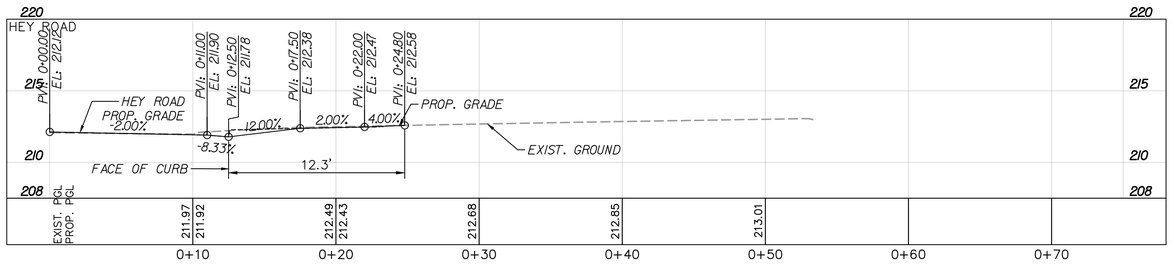
DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 5'	12/19/2025	5D	0-28888
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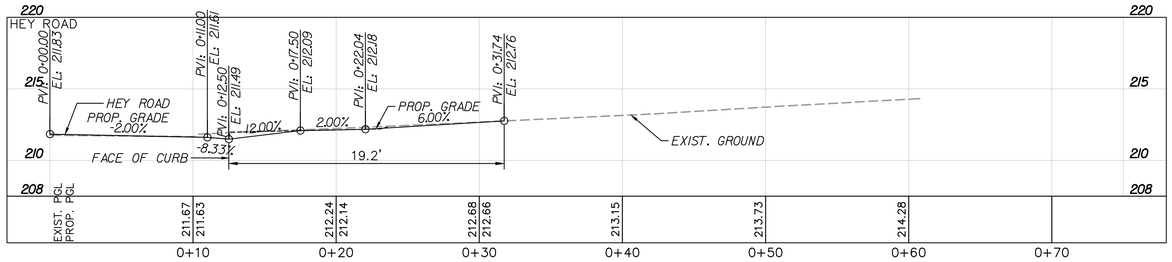
ENTR. RT. STA. 118+39 HEY ROAD



ENTR. RT. STA. 119+69 HEY ROAD



ENTR. RT. STA. 121+37 HEY ROAD



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

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

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ENTRANCE PROFILES

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE 1" = 5'	DATE 12/19/2025	SHEET 5E	DRAWING NO. 0-28888

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 5E ENTRANCE PROFILES Dec 19, 2025 6:55pm by: Zachary.Santy
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Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ROADWAY PLAN.dwg 6 ROADWAY PLAN Dec 19, 2025 6:57pm by: Zachary.Sanly
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MATCHLINE HEY ROAD CONSTR. ℄ STA. 122+00 - SEE SHEET 5

MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 7

NORTH

Curve HEY_2
PI = 129+44.22
DELTA = 03°08'37"(LT)
D = 0° 54' 36"
T = 82.32'
L = 164.605
R = 3000'
PC = 128+61.90
PT = 130+26.50
V = 50 MPH
e = Normal Crown (ULS)

STA. 128+98.16 HEY ROAD CONSTR. ℄
STA. 70+00.00 NESTLE AVENUE CONSTR. ℄
Δ = 83°53'7" LT

HEY ROAD CONSTR. ℄

NESTLE AVENUE CONSTR. ℄

MAST DRIVE CONSTR. ℄

ADLER ROAD CONSTR. ℄

HEY 2

EXIST. R/W

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. PERM. DOMINION EASE.

END CONNECTION
STA. 70+53.85 NESTLE AVE. CONSTR. ℄

END CONNECTION
STA. 60+50.00 ADLER RD. CONSTR. ℄

END CONNECTION
STA. 50+35.29 MAST DRIVE CONSTR. ℄

STA. 123+47.63 HEY ROAD CONSTR. ℄
STA. 50+00.00 MAST DRIVE CONSTR. ℄
Δ = 100°44'4" RT

STA. 126+72.69 HEY ROAD CONSTR. ℄
STA. 60+00.00 ADLER ROAD CONSTR. ℄
Δ = 100°44'11" RT

PI: 50+00.00
PI: 51+00.00
PI: 60+00.00
PI: 61+00.00
PI: 70+00.00
PI: 71+00.00
PI: 128+61.90

STA: 129+71.27
OFF: 23.47' LT

5' CONC. SIDEWALK
18" 5' CONC. SIDEWALK
DO NOT DISTURB
SAWCUT
4' CHAIN LINK FENCE

STD. CG-9D REQ'D. W- 14" TYPE III
STD. CG-9D REQ'D. W- 13" TYPE III
STD. CG-9D REQ'D. W- 12" TYPE III
STD. CG-9D REQ'D. W- 16" TYPE II
STD. CG-9D REQ'D. W- 12" TYPE I

D903 D904 D910 D911 D401 D402 D403

R10' R15' R20' R23'

022 023 024 025 026 027 028 056 057 058 059 060 061 062

122 123 124 125 126 127 128 129

JOSUE ORLELLANA FUENTES
INST. NO.: 017-4370
PARCEL ID: C0080809052

JOSUE ORLELLANA FUENTES
INST. NO.: 017-4370
PARCEL ID: C0080809050

VICTOR SANTARUZ CRESPIN
INST. NO.: 018-19290
PARCEL ID: C0080809048

THOMASINE ROGERS AND CASSIE CLARK
INST. NO.: 07-9322
PARCEL ID: C0080809046

DOROTHY H. FORBES
DB. 433 PG. 11
PARCEL ID: C0080809038

KAREN ZOELLNER
INST. NO.: 018-926
PARCEL ID: C0080809034

DAYLE Z. WILLIAMS
INST. NO.: 015-1231
PARCEL ID: C0080770002

STEVEN JONES AND EMILY HAYES
INST. NO.: 016-20213
PARCEL ID: C0080730016

JAMES COLIN WILKINSON, JR. AND GLADYS WALLACE WILKINSON
INST. NO.: 96-18895
PARCEL ID: C0080730020

JAMES COLIN WILKINSON, JR. AND GLADYS WALLACE WILKINSON
DB. 792 PG. 114
PARCEL ID: C0080730018

TRM PROPERTIES, LLC
INST. NO.: 08-11749
PARCEL ID: C0080689024

LINDA A. KIRBY
INST. NO.: 04-028512
PARCEL ID: C0080689026

PAUL A. SMITH AND VICKAY M. SMITH
DB. 0387 PG. 0396
PARCEL ID: C0080689028

NOTES:
1. SEE SHEET 3 FOR UTILITY OWNERS.
2. CONTRACTOR SHALL RELOCATE ALL AFFECTED MAILBOXES ALONG HEY ROAD PER VDOT SPECIFICATIONS.

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

Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway Profile	6A
E&S Phase I Plan	6B
E&S Phase II Plan	6C
Entrance Profiles	6D THUR 6E
Storm Profiles	9(5), 9(6), & 9(8)
Utility Plans	10(6)
Water Profile	10(10) THRU 10(11)
Communications Plans	11(6)
Signing & Pavement Marking Plan	12(6)

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

LEGEND

- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- MILL AND OVERLAY/BUILD UP
- C____ DENOTES CONSTRUCTION LIMITS IN CUTS
- F__ DENOTES CONSTRUCTION LIMITS IN FILLS

1 CITY OF RICHMOND STD. CURB & GUTTER REQ'D.
2 VDOT STD. CG-12, TYPE A REQ'D.
3 VDOT STD. CG-12, TYPE B REQ'D.
4 4" STD. HYD. CEMENT SDWK. REQ'D.
5 EXIST. PIPE TO BE REMOVED
6 VDOT STD. UD-4 REQ'D.
7 EXIST. PIPE TO BE ABANDONED
8 CG-12 TYPE C
9 STD MGS-2 REQ'D.
10 STD MGS-4 REQ'D.
11 STD GR-11 REQ'D.
UTILITY POLES

GRAPHIC SCALE IN FEET
0 12.5 25 50

NOTE: DOT - DOT - DASHED LINES DENOTE TEMPORARY EASEMENTS.
NOTE: DOT - DASHED LINES DENOTE PERMANENT EASEMENTS.

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR., SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
ROADWAY PLAN

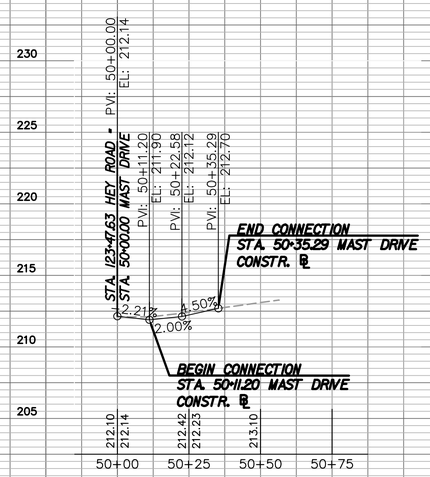
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

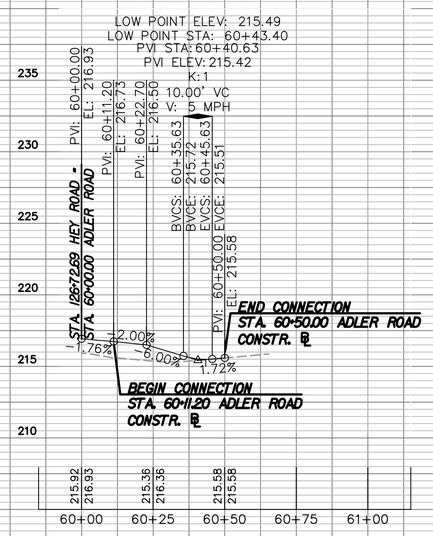
DESIGN BY:	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY: AMB	AS		1" = 25'	12/19/2025	6	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ROADWAY PROFILE.dwg 6A ROADWAY PROFILE Dec 19, 2025 6:58pm by: Zachary.Scerly
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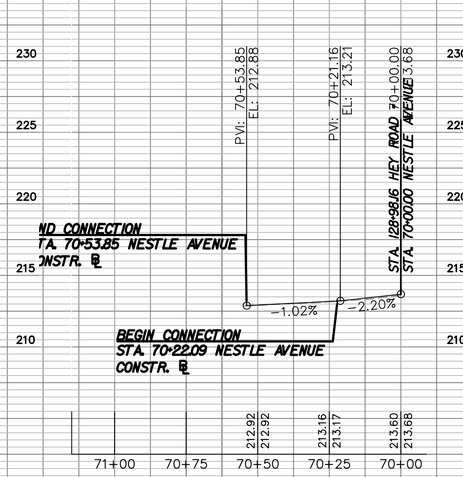
MAST DRIVE



ADLER ROAD



NESTLE AVENUE



HEY ROAD

VERT: 1" = 5'
HORIZ: 1" = 25'

No.	REVISIONS	DATE	BY

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

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1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS

ROADWAY PROFILE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	10/5/2023	6A	0-28888
CHECKED BY: JHO						

THIS SHEET FOR PHASE I E&S CONTROL ONLY

NORTH

MATCHLINE HEY ROAD CONSTR. ℄ STA. 122+00 - SEE SHEET 5B

MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 7B

PROP. TEMP. CONSTR. EASE.

PROP. R/W

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. PERM. DRAINAGE EASE.

PROP. PERM. DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

HEY ROAD CONSTR. ℄

PI: 50+00.00

PI: 60+00.00

PI: 70+00.00

PI: 71+00.00

NESTLE AVENUE CONSTR. ℄

END CONNECTION STA. 70+53.85 NESTLE AVE. CONSTR. ℄

END CONNECTION STA. 60+50.00 ADLER RD. CONSTR. ℄

ADLER ROAD CONSTR. ℄

MAST DRIVE CONSTR. ℄

PI: 51+00.00

END CONNECTION STA. 50+35.29 MAST DRIVE CONSTR. ℄

PI: 61+00.00

STA: 129+71.27
OFF: 23.47' LT

HEY ROAD

NESTLE AVENUE

ADLER ROAD

MAST DRIVE

EXIST. R/W

JOSUE ORLELLANA FUENTES
INST. NO.: 017-4370
PARCEL ID: C0080809052

JOSUE ORLELLANA FUENTES
INST. NO.: 017-4370
PARCEL ID: C0080809050

VICTOR SANTARUZ CRESPIN
INST. NO.: 015-19290
PARCEL ID: C0080809048

THOMASINE ROGERS AND CASSIE CLARK
INSTRUMENT NO.: 070023822
PARCEL ID: C0080809046

DOROTHY H. FORBES
DB. 433 PG. 11
PARCEL ID: C0080809038

KAREN ZOELLNER
INST. NO.: 018-926
PARCEL ID: C0080809034

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JAMES COLIN WILKINSON, JR. AND GLADYS WALLACE WILKINSON
DB. 792 PG. 114
PARCEL ID: C0080730018

JAMES COLIN WILKINSON, JR. AND GLADYS WALLACE WILKINSON
INST. NO.: 96-18895
PARCEL ID: C0080730020

TRM PROPERTIES, LLC
INST. NO.: 08-11749
PARCEL ID: C0080689024

LINDA A. KIRBY
INST. NO.: 04-028512
PARCEL ID: C0080689026

PAUL A. SMITH AND VICKAY M. SMITH
DB. 0387 PG. 0996
PARCEL ID: C0080689028

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B

CIP — Denotes Culvert Inlet Protection, Type C; VDOT St'd EC-6

LOD — Denotes Limits of Disturbance

RCD-2 — Denotes Rock Check Dam, Type II; VDOT St'd EC-4

IP-A — Denotes Inlet Protection, Type A; VDOT St'd EC-6

IP-B — Denotes Inlet Protection, Type B; VDOT St'd EC-6

TST — Denotes Temporary Sediment Trap; VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

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CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
PHASE I E&S

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE 1" = 25'	DATE 12/19/2025	SHEET 6B	DRAWING NO. 0-28888

Drawing name: K:\RIC_TP\TOV\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\PHASE I E&S.dwg 6B PHASE 1 E&S Dec 19, 2025 6:49pm by: Zachary.Santy
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NORTH

MATCHLINE HEY ROAD CONSTR. ℄ STA. 122+00 - SEE SHEET 5C

MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 7C

HEY ROAD CONSTR. ℄

MAST DRIVE CONSTR. ℄

ADLER ROAD CONSTR. ℄

NESTLE AVENUE CONSTR. ℄

STA. 128+98.16 HEY ROAD CONSTR. ℄
STA. 70+00.00 NESTLE AVENUE CONSTR. ℄
Δ = 83°53'37" LT

END CONNECTION
STA. 70+53.85 NESTLE AVE.
CONSTR. ℄

PI: 71+00.00

PI: 70+00.00

PI: 50+00.00

PI: 60+00.00

PI: 51+00.00

PI: 61+00.00

END CONNECTION
STA. 60+50.00 ADLER RD.
CONSTR. ℄

END CONNECTION
STA. 50+35.29 MAST
DRIVE CONSTR. ℄

STA. 123+47.63 HEY ROAD CONSTR. ℄
STA. 50+00.00 MAST DRIVE CONSTR. ℄
Δ = 100°44'4" RT

STA. 126+72.69 HEY ROAD CONSTR. ℄
STA. 60+00.00 ADLER ROAD CONSTR. ℄
Δ = 100°44'11" RT

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. TEMP. CONSTR. EASE.

PROP. R/W

PROP. PERM. DRAINAGE EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DOMINION EASE.

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

STA: 129+71.27
OFF: 23.47' LT

022 023 024 025 026 027 028

051 056 057 058 059 060 061 062

122 123 124 125 126 127 128 129

50 70 71 80 81

JOSUE ORLELLANA FUENTES
INST. NO.: 017-4370
PARCEL ID: C0080809052

JOSUE ORLELLANA FUENTES
INST. NO.: 017-4370
PARCEL ID: C0080809050

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INST. NO.: 015-19290
PARCEL ID: C0080809048

THOMASINE ROGERS AND
CASSIE CLARK
INSTR. NO.: 070023322
PARCEL ID: C0080809046

DOROTHY H. FORBES
DB. 433 PG. 11
PARCEL ID: C0080809038

KAREN ZOELLNER
INST. NO.: 018-926
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DAYLE Z. WILLIAMS
INST. NO.: 015-1231
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STEVEN JONES AND EMILY HAYES
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JAMES COLIN WILKINSON, JR.
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JAMES COLIN WILKINSON, JR.
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TRM PROPERTIES, LLC
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LINDA A. KIRBY
INST. NO.: 04-028512
PARCEL ID: C0080689026

PAUL A. SMITH AND
VICKAY M. SMITH
DB. 0387 PG. 1996
PARCEL ID: C0080689028

EXIST. R/W

EXIST. R/W

EXIST. R/W

EXIST. R/W

EXIST. R/W

EXIST. R/W

EXIST. R/W

EXIST. R/W

HEY ROAD
VARIABLE WIDTH R/W

MAST DRIVE
50' R/W

NESTLE AVENUE
VARIABLE WIDTH R/W

ALDER ROAD
50' R/W

SAN. MH #26001

SAN. MH #5613

SAN. MH #5803

HEY-2

IP-A IP-B

6-1 6-2 6-3 6-4 6-5 6-6 6-7 6-8 6-9

RCD-2

TST

CP

15" 18"

8" CONC.

EDGE OF PAVEMENT

C/L DITCH

LOD

SS

Drawing name: K:\RIC_TP\TOV\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\Phase II E&S.dwg 6C PHASE II E&S Dec 19, 2025 7:02pm by: Zachary.Sanly

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RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B

CP — Denotes Culvert Inlet Protection, Type C; VDOT St'd EC-6

LOD — Denotes Limits of Disturbance

RCD-2 — Denotes Rock Check Dam, Type II; VDOT St'd EC-4

IP-A — Denotes Inlet Protection, Type A; VDOT St'd EC-6

IP-B — Denotes Inlet Protection, Type B; VDOT St'd EC-6

TST — Denotes Temporary Sediment Trap; VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

No.	REVISIONS	DATE	BY

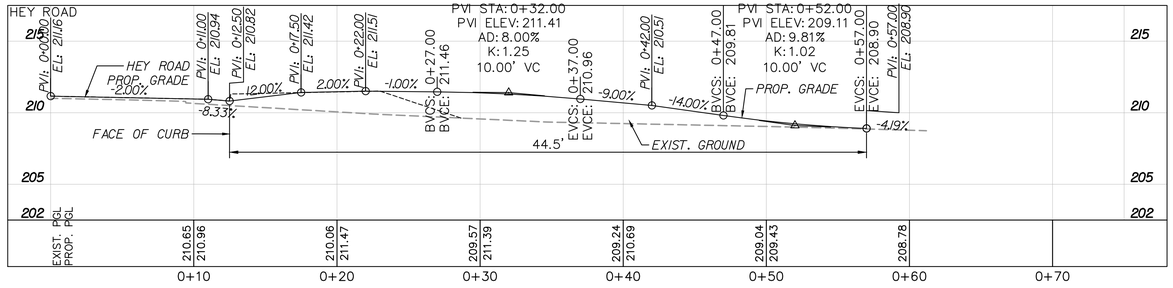
HEY ROAD IMPROVEMENTS
PHASE II E&S

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

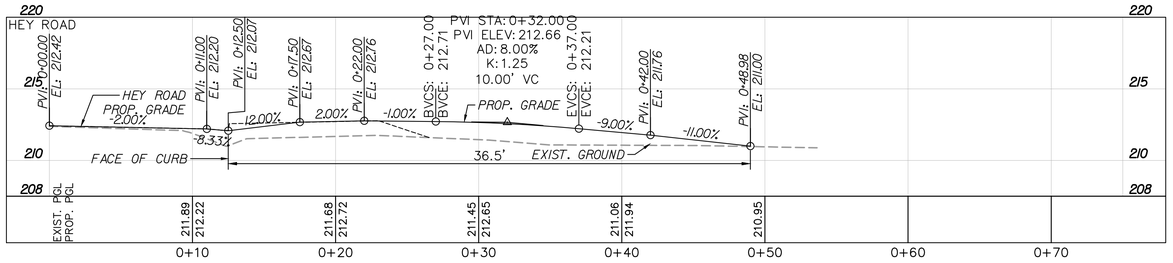
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	6C	0-28888
CHECKED BY: JHO						

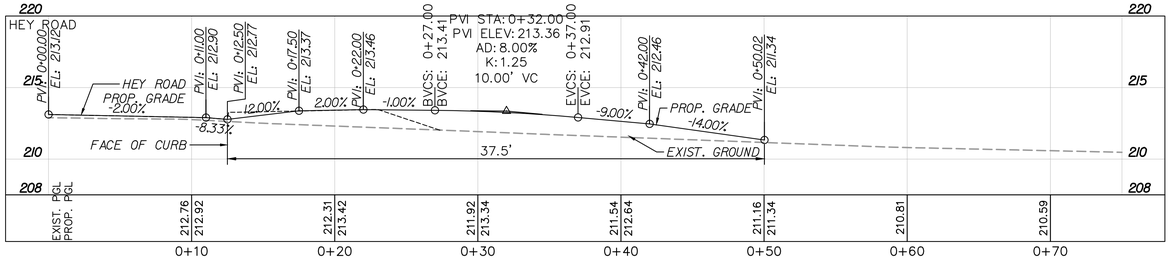
ENTR. LT. STA. 122+61 HEY ROAD



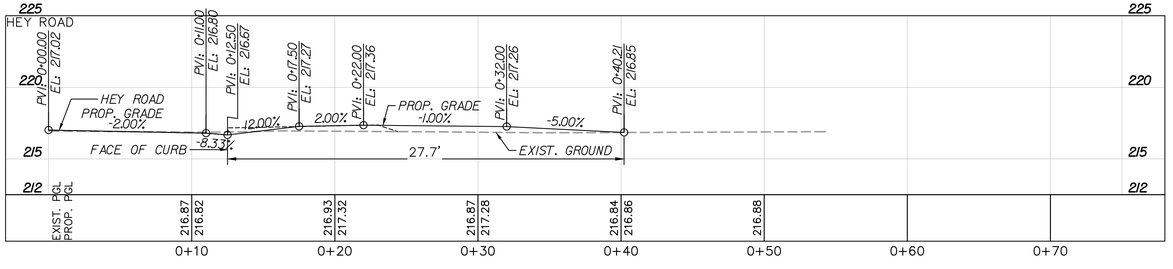
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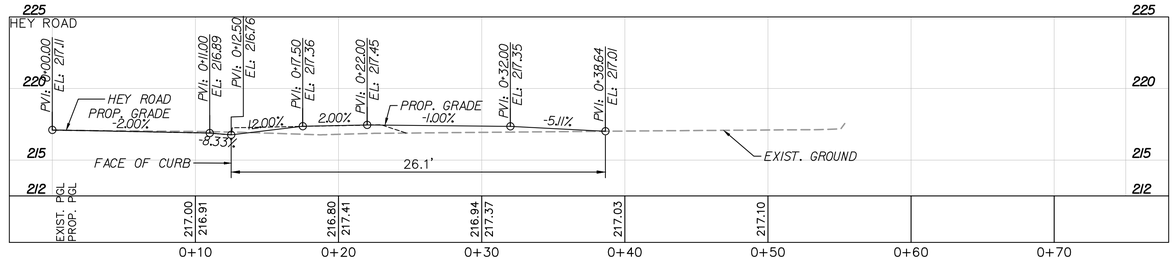
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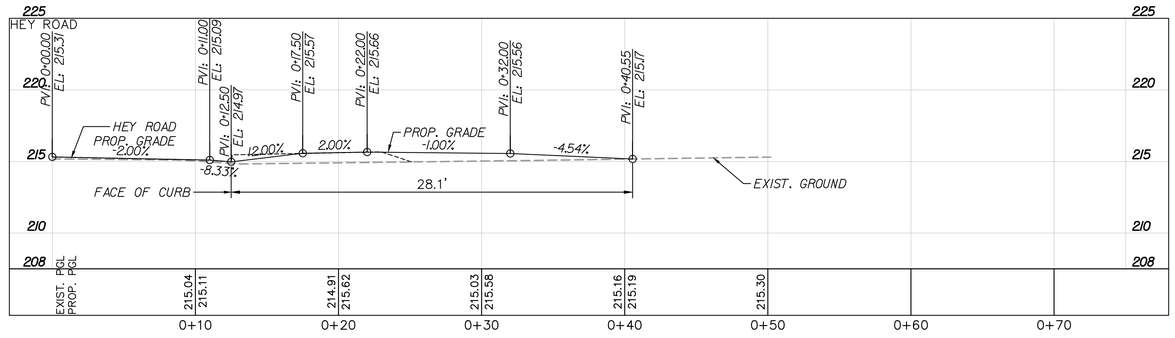
ENTR. LT. STA. 126+17 HEY ROAD



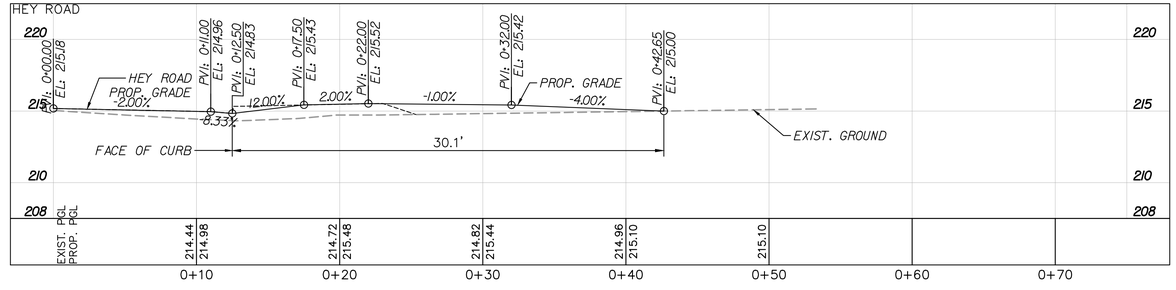
ENTR. LT. STA. 126+43 HEY ROAD



ENTR. LT. STA. 127+67 HEY ROAD



ENTR. RT. STA. 125+31 HEY ROAD



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

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

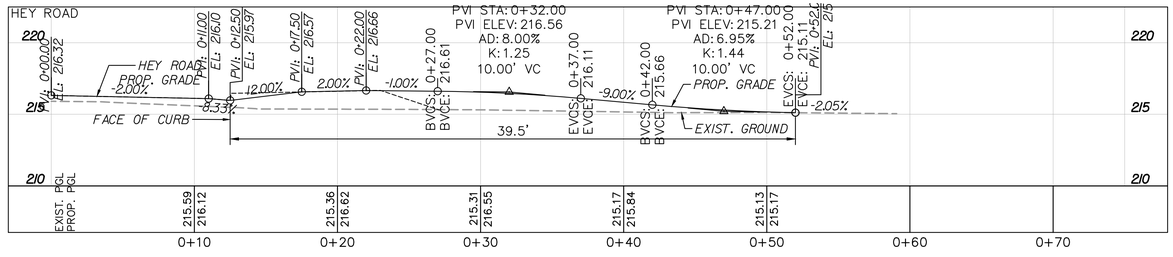
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

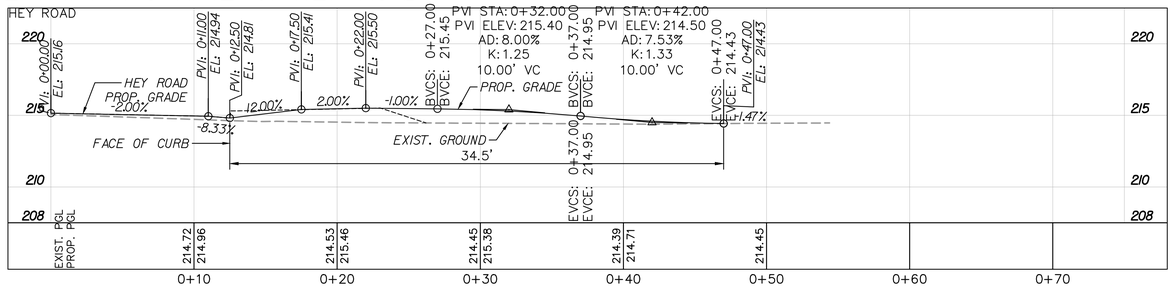
DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 5'	12/19/2025	6D	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 6D ENTRANCE PROFILES Dec 19, 2025 7:02pm by: ZacharySanty
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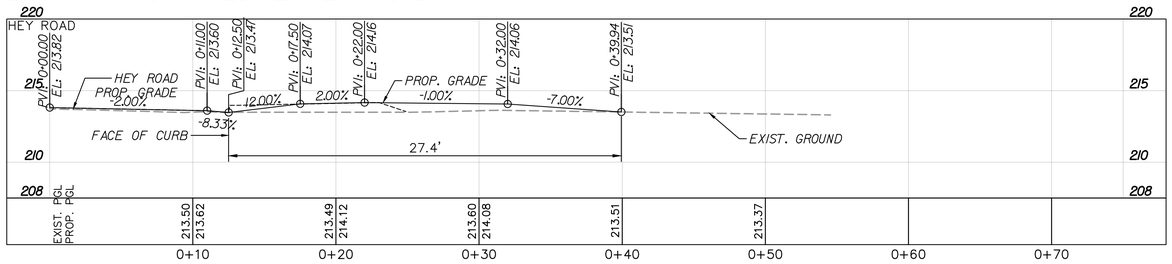
ENTR. RT. STA. 127+08 HEY ROAD



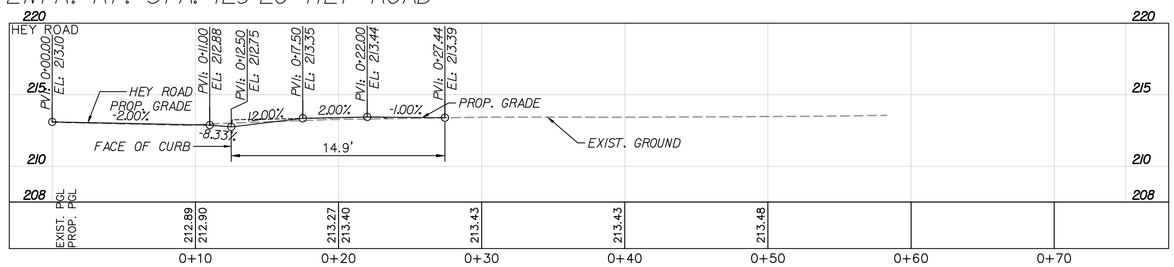
ENTR. RT. STA. 127+81 HEY ROAD



ENTR. RT. STA. 128+92 HEY ROAD



ENTR. RT. STA. 129+20 HEY ROAD



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

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 5'	12/19/2025	6E	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 6E ENTRANCE PROFILES Dec 19, 2025 7:02pm by: Zachary.Santy
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MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 6

MATCHLINE HEY ROAD CONSTR. ℄ STA. 137+50 - SEE SHEET 8

NORTH

028 029 030 032 033 062 065 066 067 068

CANDY S. SMITH
INST. NO.: 03-041254
PARCEL ID: C0080809022

ROMEO A RESINOS AND LUIS MARROQUIN QUINTANILLA
INST. NO.: 06-5844
PARCEL ID: C0080809020

HEY RD. LLC
INST. NO.: 018-2303
PARCEL ID: C0080809018

DUKE DEVELOPMENT, LLC
INST. NO.: 17-2308
PARCEL ID: C0080809014

GERALD R. AND PAULA E. MARTIN
INST. NO.: 14-16603
PARCEL ID: C0080809010

JAMES D. SATTERWHITE AND KANDY C. SATTERWHITE
INST. NO.: 97-11649
PARCEL ID: C0080809006

WENDELL T. WHITE
INST. NO.: 96-26236
PARCEL ID: C0080610026

SHARON WHITAKER-ROWE AND LEWIS WAVERLY ROWE
INST. NO.: 017-16886
PARCEL ID: C0080610028

KATHY R. BROWN
INST. NO.: 03-042680
PARCEL ID: C0080610030

ELIZABETH F. ROBERTSON
INST. NO.: 019-4086
PARCEL ID: C0080610032

TARDO JUANA AND MARIAN S. GARCIA JUANA
INST. NO.: 019-2831
INST. NO.: 014-1413
PARCEL ID: C0080610034

LESLIE FLAHART
INST. NO.: 10-17891
PARCEL ID: C0080530040

STA:130+21.67
OFF:12.46'LT

PT: 130+26.50

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. R/W

DO NOT DISTURB

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PT: 135+76.50

Curve HEY_3
PI = 135+43.81
DELTA = 22°49'57"(LT)
D = 08° 29' 18"
T = 136.30'
L = 268.988
R = 675'
PC = 134+07.51
PT = 136+76.50
V = 42 MPH
e = Normal Crown

HEY 3

HEY 2

Pt. 80+00.00

HEY ROAD CONSTR. ℄

EXIST. R/W

SAWCUT

5' CONC. SIDEWALK

15" — 5' CONC. SIDEWALK

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

END CONNECTION STA. 80+40.31 SNEAD RD. CONSTR. ℄

SNEAD ROAD CONSTR. ℄

Pt. 81+00.00

EXIST. R/W

STA 130+41.04 HEY ROAD CONSTR. ℄
STA 800+00.00 SNEAD ROAD CONSTR. ℄
Δ = 103°18'18" LT

EXIST. R/W

STD. CG-9D REQ'D. W- 12" TYPE III

STD. CG-9D REQ'D. W- 16" TYPE III

STD. CG-9D REQ'D. W- 14" TYPE I

STD. CG-9D REQ'D. W- 22" TYPE III

STD. CG-9D REQ'D. W- 13" TYPE I

STD. CG-9D REQ'D. W- 18" TYPE II

Curve HEY_2
PI = 129+44.22
DELTA = 03°08'37"(LT)
D = 01° 54' 36"
T = 82.32'
L = 164.605
R = 3000'
PC = 128+61.90
PT = 130+26.50
V = 50 MPH
e = Normal Crown (ULS)

NOTES:
1. SEE SHEET 3 FOR UTILITY OWNERS.
2. CONTRACTOR SHALL RELOCATE ALL AFFECTED MAILBOXES ALONG HEY ROAD PER VDOT SPECIFICATIONS.

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

Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway Profile	7A
E&S Phase I Plan	7B
E&S Phase II Plan	7C
Entrance Profiles	7D THUR 7E
Storm Profiles	9(8) THRU 9(10)
Utility Plans	10(7)
Water Profile	10(11)
Communications Plans	11(7)
Signing & Pavement Marking Plan	12(7)

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

LEGEND

- PROPOSED PAVEMENT
- PROPOSED CONCRETE
- MILL AND OVERLAY/BUILD UP
- C____ DENOTES CONSTRUCTION LIMITS IN CUTS
- F__ DENOTES CONSTRUCTION LIMITS IN FILLS

1. CITY OF RICHMOND STD. CURB & GUTTER REQ'D.
2. VDOT STD. CG-12, TYPE A REQ'D.
3. VDOT STD. CG-12, TYPE B REQ'D.
4. 4" STD. HYD. CEMENT SDWK. REQ'D.
5. EXIST. PIPE TO BE REMOVED
6. VDOT STD. UD-4 REQ'D.
7. EXIST. PIPE TO BE ABANDONED
8. CG-12 TYPE C
9. STD MGS-2 REQ'D.
10. STD MGS-4 REQ'D.
11. STD GR-11 REQ'D.
- UTILITY POLES

NOTE: DOT – DOT – DASHED LINES DENOTE TEMPORARY EASEMENTS.
NOTE: DOT – DASHED LINES DENOTE PERMANENT EASEMENTS.

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
ROADWAY PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	7	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ROADWAY PLAN\7 ROADWAY PLAN.dwg Dec 19, 2025 7:04pm by: Zachary.Sanly
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Drawing name: K:\RIC_TPTO\11357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ROADWAY PROFILE.dwg 7A ROADWAY PROFILE Dec 19, 2025 7:05pm by: Zachary.Santy
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SNEAD ROAD

STA. 130+41.04 HEY ROAD =
STA. 80+00.00 SNEAD ROAD

PVI: 80+00.00
EL: 208.64

PVI: 80+11.30
EL: 208.50

PVI: 80+22.00
EL: 208.71

PVI: 80+40.31
EL: 209.50

END CONNECTION
STA. 80+40.31 SNEAD ROAD
CONSTR. ℄

1.25%

4.29%

BEGIN CONNECTION
STA. 80+11.30 SNEAD ROAD
CONSTR. ℄

80+00	80+25	80+50	80+75	81+00
208.55 / 208.64	208.95 / 208.84	209.82	210.36	

HEY ROAD

PVI STA: 130+30.00
PVI ELEV: 208.74
K: 52
100.00' VC
V: 36 MPH

PVI STA: 131+70.00
PVI ELEV: 205.59
SSD: 621'
K: 41
75.00' VC
V: 39 MPH

PVI STA: 133+10.00
PVI ELEV: 199.85
K: 50
105.00' VC
V: 35 MPH

PVI STA: 134+85.00
PVI ELEV: 196.35
SSD: 252'
K: 23
135.00' VC
V: 35 MPH

PVI STA: 136+05.00
PVI ELEV: 186.93
K: 50
80.00' VC
V: 35 MPH

PVI STA: 138+30.00
PVI ELEV: 172.89
K: 50
285.00' VC
V: 35 MPH

BVCS: 129+80.00
BVCE: 210.83

EVCS: 130+80.00
EVCE: 207.61

BVCS: 131+32.50
BVCE: 206.43

EVCS: 132+07.50
EVCE: 204.05

BVCS: 132+57.50
BVCE: 202.00

EVCS: 133+62.50
EVCE: 198.80

BVCS: 134+17.50
BVCE: 197.70

EVCS: 135+52.50
EVCE: 191.05

BVCS: 135+65.00
BVCE: 190.07

EVCS: 136+45.00
EVCE: 184.43

BVCS: 136+87.50
BVCE: 181.78

PROPOSED GRADE

EXISTING GROUND

-2.25%

-4.10%

-2.00%

-7.85%

-6.24%

-0.02 NORMAL CROWN (URBAN LOW SPEED)

MATCHLINE STA. 129+75.00 - SEE SHEET 6A

MATCHLINE STA. 137+50.00 - SEE SHEET 8A

EXIST. PGL	PROP. PGL	
210.85	211.04	129+75
209.90	210.03	130+00
209.04	209.14	130+25
208.29	208.38	130+50
207.65	207.73	130+75
207.05	207.16	131+00
206.46	206.60	131+25
205.87	206.00	131+50
205.10	205.25	131+75
204.21	204.35	132+00
203.19	203.33	132+25
202.15	202.31	132+50
201.09	201.31	132+75
200.25	200.44	133+00
199.47	199.69	133+25
198.85	199.06	133+50
198.36	198.55	133+75
197.90	198.05	134+00
197.39	197.54	134+25
196.75	196.82	134+50
195.77	195.83	134+75
194.55	194.57	135+00
192.94	193.04	135+25
191.06	191.24	135+50
189.14	189.29	135+75
187.22	187.44	136+00
185.57	185.72	136+25
184.01	184.12	136+50
182.50	182.56	136+75
181.04	181.02	137+00
179.61	179.58	137+25
178.21	178.27	137+50

VERT: 1" = 5'
HORIZ: 1" = 25'

No.	REVISIONS	DATE	BY

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS

ROADWAY PROFILE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.:
U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	10/5/2023	7A	0-28888
CHECKED BY: JHO						

THIS SHEET FOR PHASE I E&S CONTROL ONLY

NORTH

MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 6B

MATCHLINE HEY ROAD CONSTR. ℄ STA 137+50 - SEE SHEET 8B

STA: 130+21.67
OFF: 12.46'LT

PT: 130+26.50

PT: 136+76.50

PC: 134+07.51

HEY ROAD CONSTR. ℄

HEY ROAD

EXIST. R/W

EXIST. ℄

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. R/W

PROP. PERM. DRAINAGE EASE.

END CONNECTION STA. 80+40.31 SNEAD RD. CONSTR. ℄

SNEAD ROAD CONSTR. ℄

Pt: 80+00.00

Pt: 81+00.00

130 131 132 133 134 135 136

HEY-2 HEY-3

TSF-A RCD-2 CIP LOD

CANDY S. SMITH
INST. NO.: 03-041254
PARCEL ID: C0080809022

ROMEO A RESINOS AND LUIS MARROQUIN QUINTANILLA
INST. NO.: 06-35447
PARCEL ID: C0080809020

HEY RD, LLC
INST. NO.: 018-2303
PARCEL ID: C0080809018

DUKE DEVELOPMENT, LLC
INST. NO.: 13-2108
PARCEL ID: C0080809014

GERALD R. AND PAULA E. MARTIN
INST. NO.: 14-16603
PARCEL ID: C0080809010

JAMES D. SATTERWHITE AND KANDY C. SATTERWHITE
INST. NO.: 97-11649
PARCEL ID: C0080809006

WENDELL T. WHITE
INST. NO.: 96-26236
PARCEL ID: C0080610026

SHARON WHITAKER-ROWE AND LEWIS WAVERLY ROWE
INST. NO.: 017-18886
PARCEL ID: C0080610028

KATHY R. BROWN
INST. NO.: 03-045680
PARCEL ID: C0080610030

ELIZABETH F. ROBERTSON
INST. NO.: 019-4086
PARCEL ID: C0080610032

TARDO JUANA AND MARIAN S. GARCIA JUANA
INST. NO.: 019-2831
INST. NO.: 014-1413
PARCEL ID: C0080610034

LESLIE FLAHART
INST. NO.: 10-17891
PARCEL ID: C0080530040

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B

CIP — Denotes Culvert Inlet Protection, Type C; VDOT St'd EC-6

LOD — Denotes Limits of Disturbance

RCD-2 — Denotes Rock Check Dam, Type II; VDOT St'd EC-4

IP-A — Denotes Inlet Protection, Type A; VDOT St'd EC-6

IP-B — Denotes Inlet Protection, Type B; VDOT St'd EC-6

TST — Denotes Temporary Sediment Trap; VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS PHASE I E&S

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	7B	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\PHASE I E&S 7B PHASE 1 E&S Dec 19, 2025 7:07pm by: Zachary.Santy

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THIS SHEET FOR PHASE II E&S CONTROL ONLY

NORTH

MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 6C

MATCHLINE HEY ROAD CONSTR. ℄ STA 137+50 - SEE SHEET 8C

028 029 030 032 033 062 065 066 067 068

CANDY S. SMITH
INST. NO.: 03-041254
PARCEL ID: C0080809022

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INST. NO.: 019-2831
INST. NO.: 014-1413
PARCEL ID: C0080610034

LESLIE FLAHART
INST. NO.: 10-17891
PARCEL ID: C0080530040

STA:130+21.67
OFF:12.46'LT

PT: 130+26.50

PT: 80+00.00

PT: 81+00.00

PT: 136+76.50

130 131 132 133 134 135 136 137

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. R/W

PROP. PERM. DRAINAGE EASE.

HEY ROAD CONSTR. ℄

END CONNECTION
STA. 80+40.31 SNEAD RD. CONSTR. ℄

SNEAD ROAD CONSTR. ℄

STA. 130+41.04 HEY ROAD CONSTR. ℄
STA. 80+00.00 SNEAD ROAD CONSTR. ℄
Δ = 103°18'18" LT

HEY ROAD
EXIST. R/W

SNEAD ROAD
40' R/W

EXIST. R/W

HEY-2 HEY-3

IP-A IP-B C/P TSF-A TSF-B

7-1 7-2 7-3 7-4 7-5 7-6 7-7 7-8 7-9 7-10

LOD

EXIST. MH #2600

EXIST. MH #2455

EXIST. MH #2943

EXIST. R/W

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B

C/P — Denotes Culvert Inlet Protection, Type C: VDOT St'd EC-6

LOD — Denotes Limits of Disturbance

RCD-2 — Denotes Rock Check Dam, Type II: VDOT St'd EC-4

IP-A — Denotes Inlet Protection, Type A: VDOT St'd EC-6

IP-B — Denotes Inlet Protection, Type B: VDOT St'd EC-6

TST — Denotes Temporary Sediment Trap: VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
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1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
PHASE II E&S

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

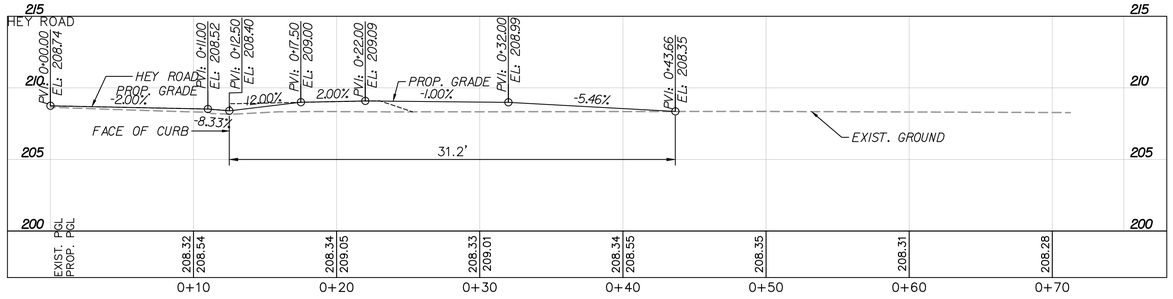
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	7C	0-28888
CHECKED BY: JHO						

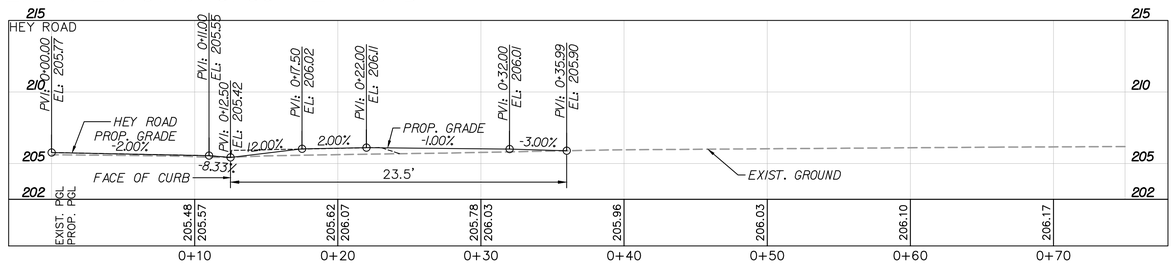
Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\Phase II E&S.dwg 7C PHASE II E&S Dec 19, 2025 7:08pm by: Zachary.Sorby

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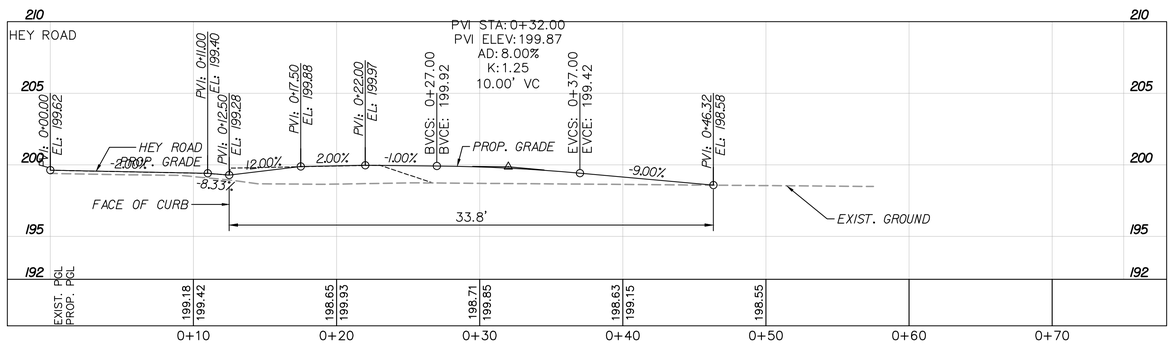
ENTR. LT. STA. 130+38 HEY ROAD



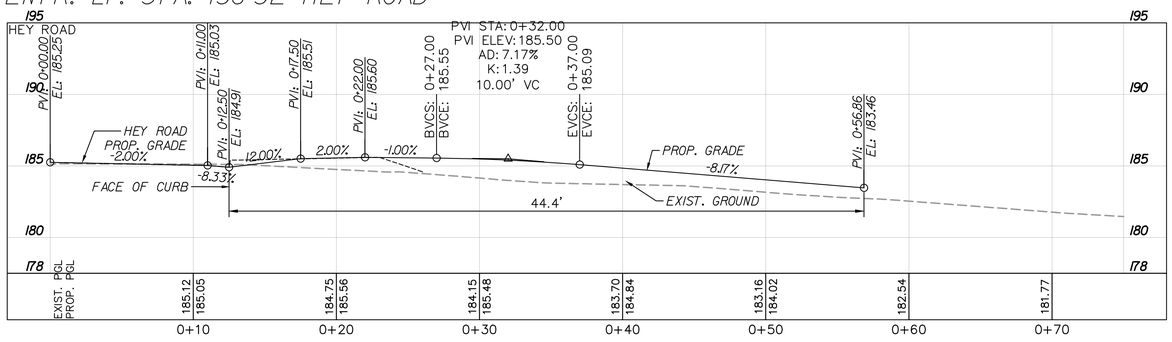
ENTR. LT. STA. 131+58 HEY ROAD



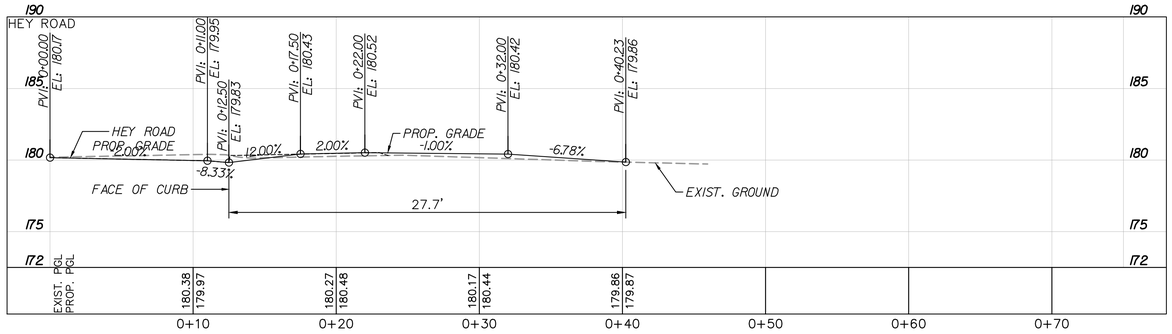
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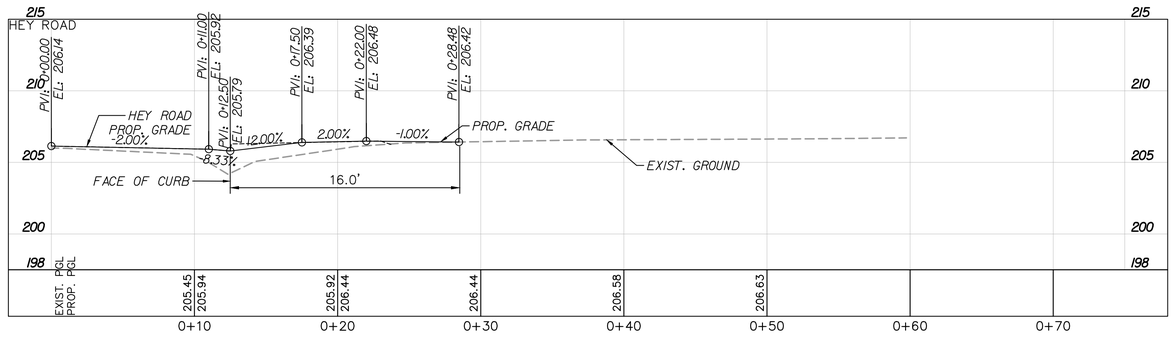
ENTR. LT. STA. 136+32 HEY ROAD



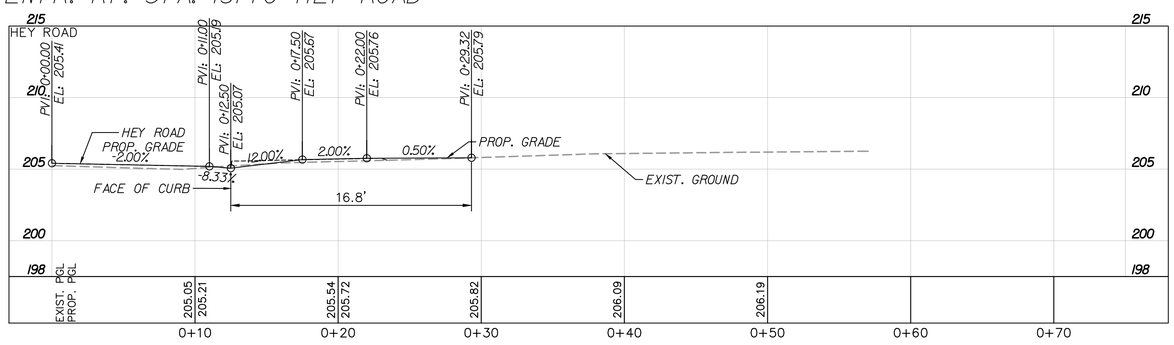
ENTR. LT. STA. 137+14 HEY ROAD



ENTR. RT. STA. 131+45 HEY ROAD



ENTR. RT. STA. 131+70 HEY ROAD



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

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

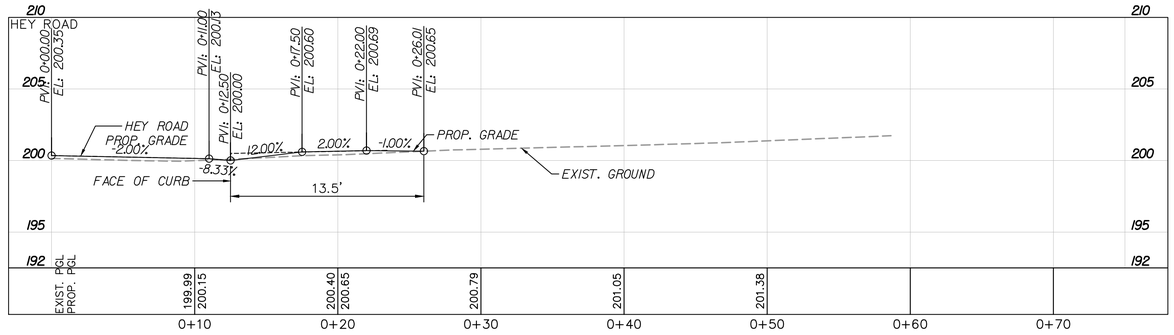
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

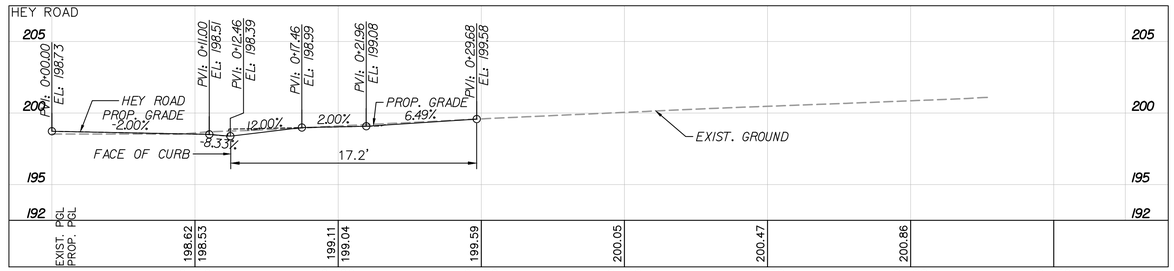
DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 5'	12/19/2025	7D	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 7D ENTRANCE PROFILES Dec 19, 2025 7:09pm by: Zachary.Santy
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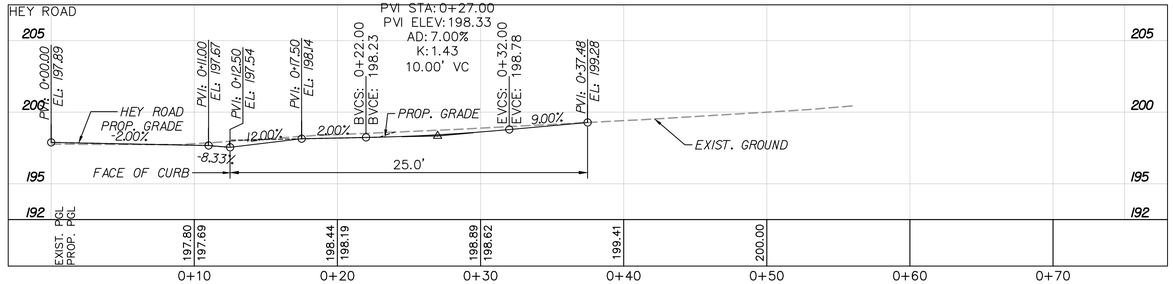
ENTR. RT. STA. 133+03 HEY ROAD



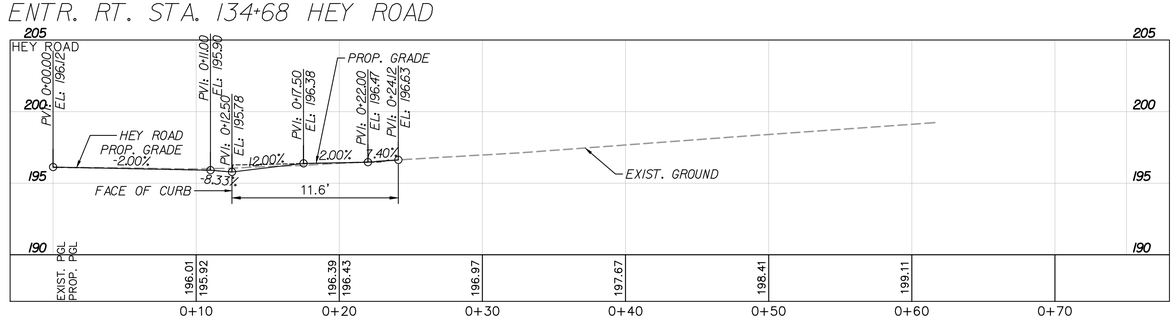
ENTR. RT. STA. 133+66 HEY ROAD



ENTR. RT. STA. 134+08 HEY ROAD

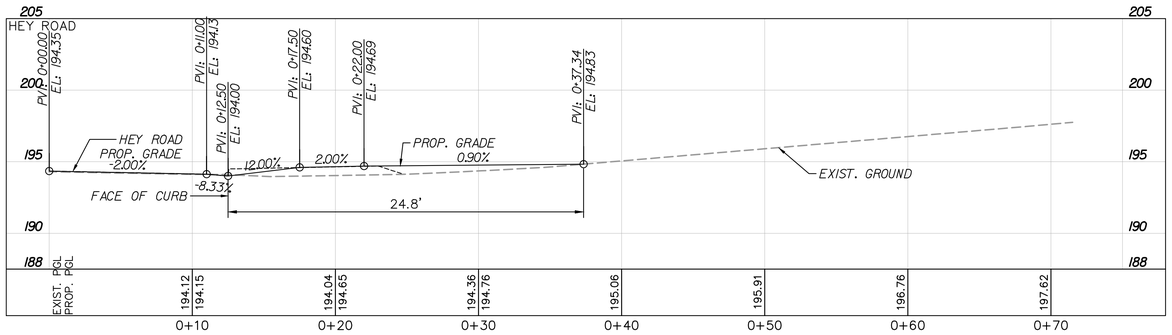


ENTR. RT. STA. 134+68 HEY ROAD

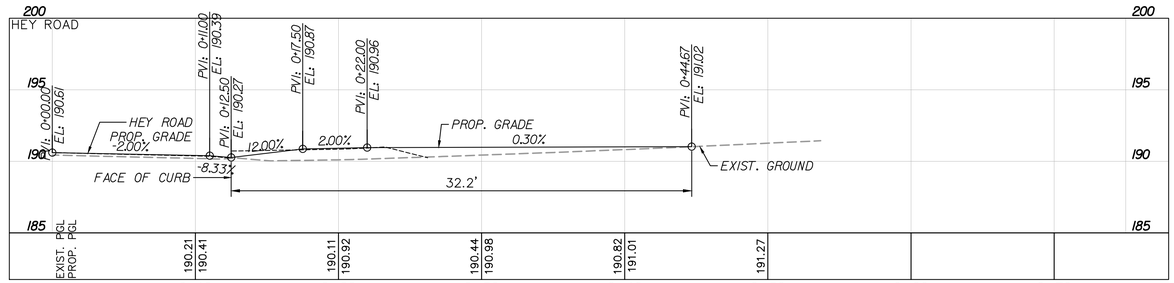


VERT: 1" = 5'
HORIZ: 1" = 5'

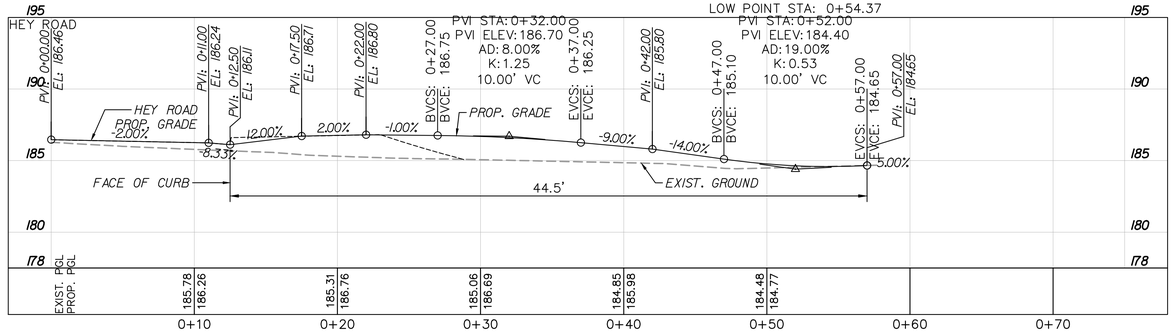
ENTR. RT. STA. 135+04 HEY ROAD



ENTR. RT. STA. 135+58 HEY ROAD



ENTR. RT. STA. 136+14 HEY ROAD



RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

LEGEND
- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR. SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

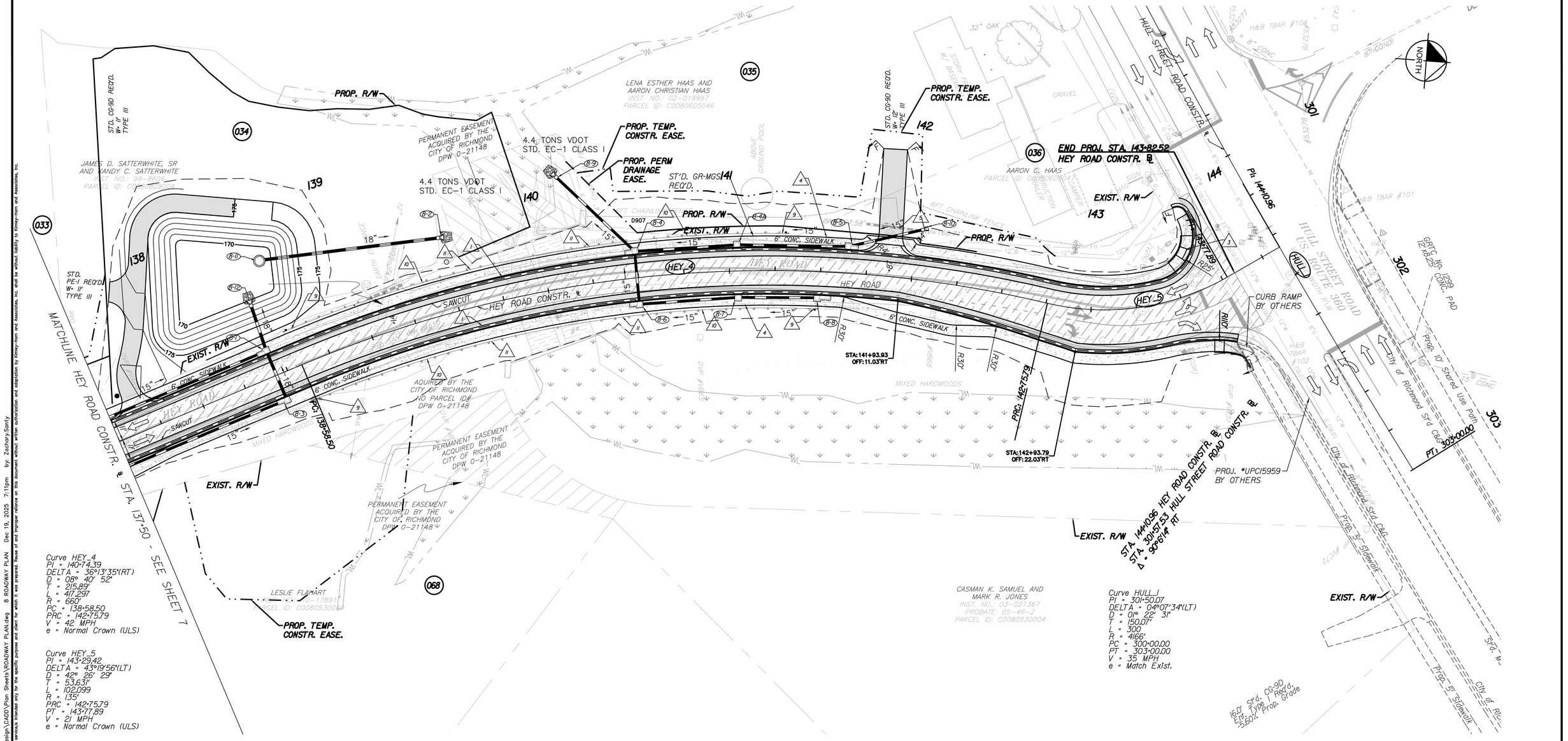
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 5'	12/19/2025	7E	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 7E ENTRANCE PROFILES Dec 19, 2025 7:09pm by: Zachary.Santy
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Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ROADWAY PLAN\ROADWAY PLAN.dwg 8 ROADWAY PLAN Dec 19, 2025 7:11pm by: Zachary.Sorby
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NOTES:
1. SEE SHEET 3 FOR UTILITY OWNERS.
2. CONTRACTOR SHALL RELOCATE ALL AFFECTED MAILBOXES ALONG HEY ROAD PER VDOT SPECIFICATIONS.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETCJ)

Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway Profile	8A
E&S Phase I Plan	8B
E&S Phase II Plan	8C
Entrance Profiles	8D
Storm Profiles	9(10)
Utility Plans	10(8)
Communications Plans	11(8)
Signing & Pavement Marking Plan	12(8)

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

No.	REVISIONS	DATE	BY

LEGEND

PROPOSED PAVEMENT
PROPOSED CONCRETE
MILL AND OVERLAY/BUILD UP
C___ DENOTES CONSTRUCTION LIMITS IN CUTS
F__ DENOTES CONSTRUCTION LIMITS IN FILLS

1. CITY OF RICHMOND STD. CURB & GUTTER REQ'D.
2. VDOT STD. CG-12, TYPE A REQ'D.
3. VDOT STD. CG-12, TYPE B REQ'D.
4. 4" STD. HYD. CEMENT SDWK. REQ'D.
5. EXIST. PIPE TO BE REMOVED
6. VDOT STD. UD-4 REQ'D.
7. EXIST. PIPE TO BE ABANDONED
8. CG-12 TYPE C
9. STD MGS-2 REQ'D.
10. STD MGS-4 REQ'D.
11. STD GR-11 REQ'D.
UTILITY POLES

NOTE: DOT - DOT - DASHED LINES DENOTE TEMPORARY EASEMENTS.
NOTE: DOT - DASHED LINES DENOTE PERMANENT EASEMENTS.

GRAPHIC SCALE IN FEET
0 12.5 25 50

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1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

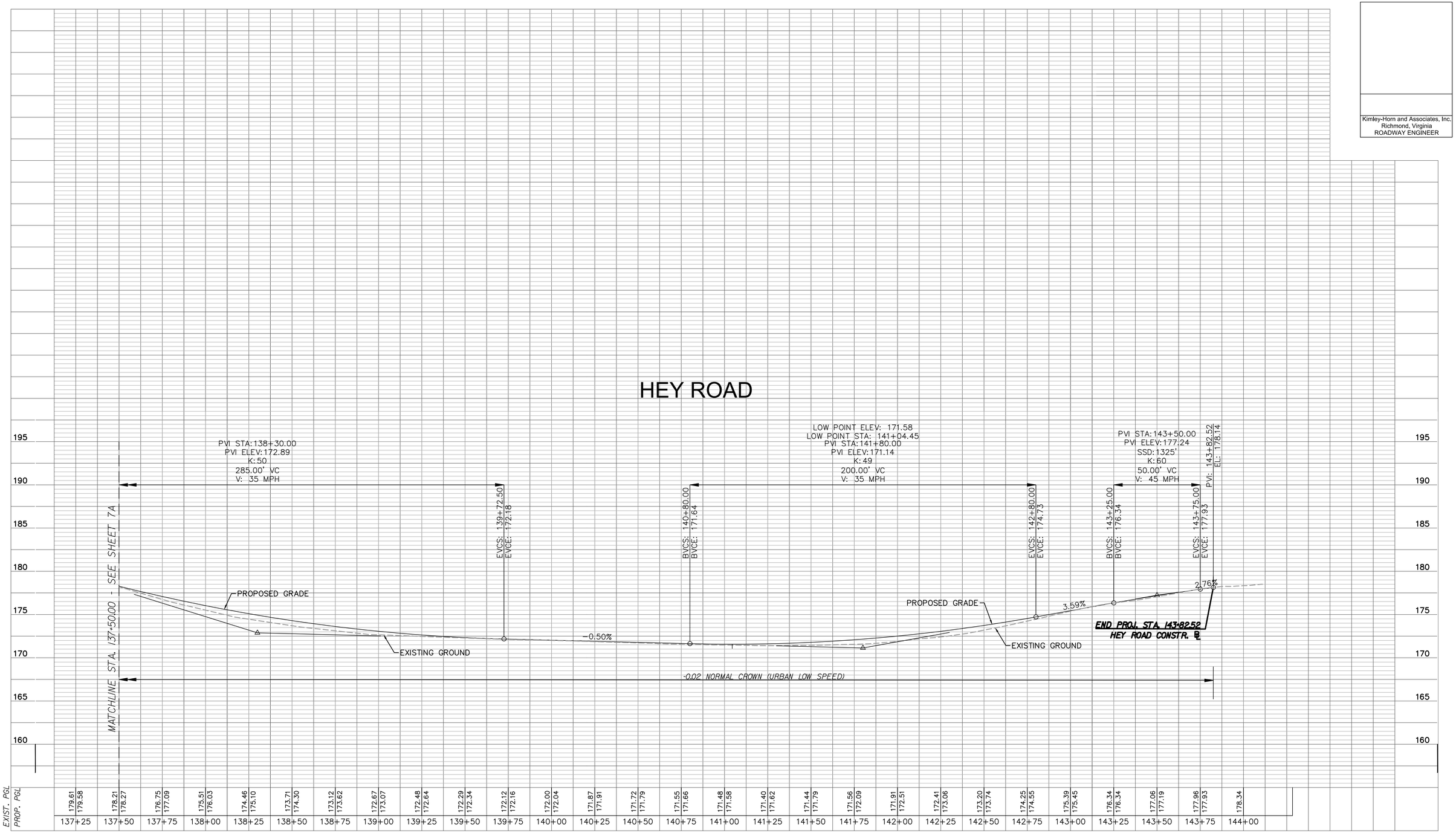
HEY ROAD IMPROVEMENTS ROADWAY PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

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DRAWN BY:	AS		1" = 25'	12/19/2025	8	0-28888
CHECKED BY: JHO						

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Tel. 804-673-3882

Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

HEY ROAD IMPROVEMENTS

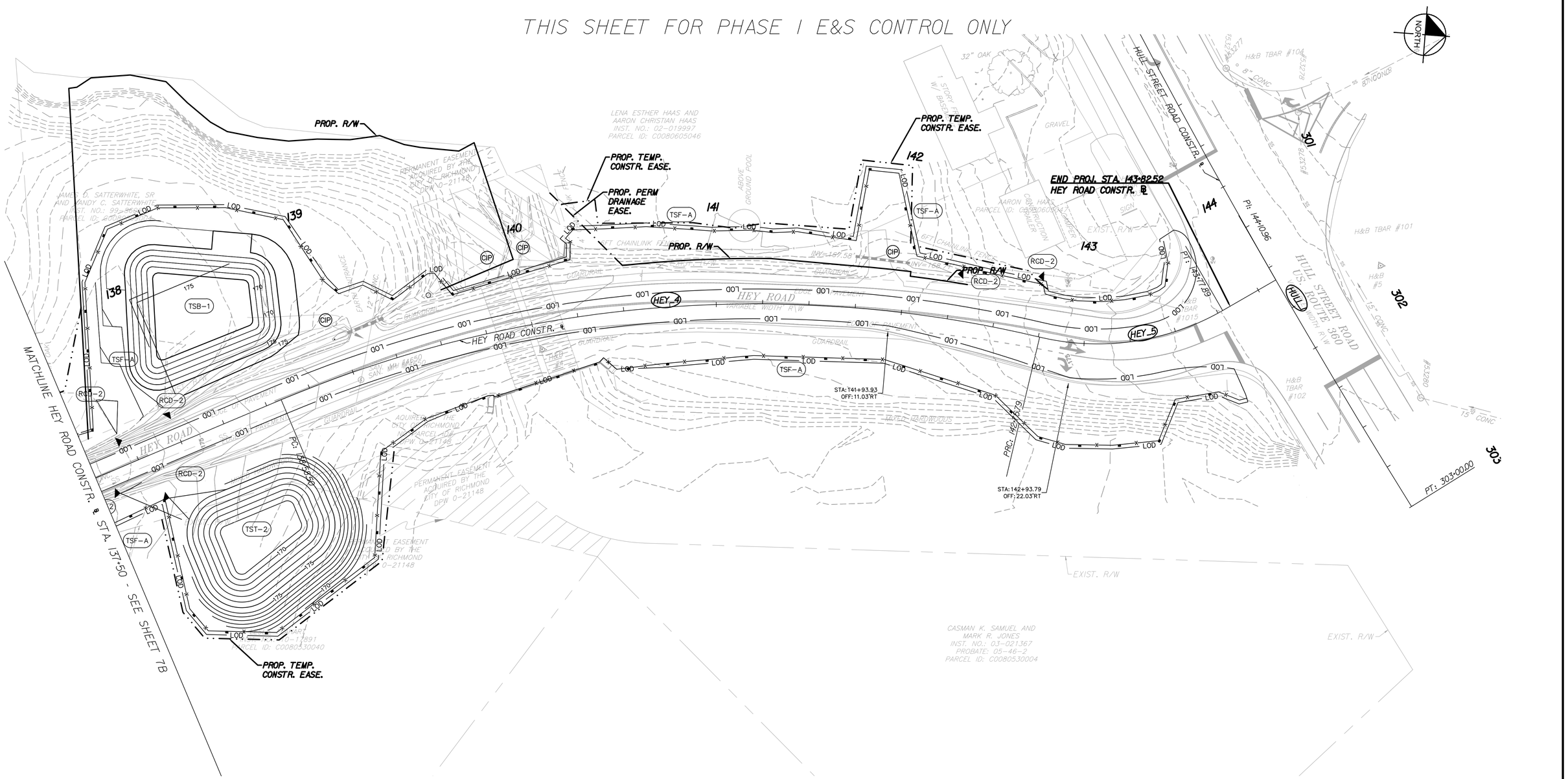
ROADWAY PROFILE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE 1" = 25'	DATE 10/5/2023	SHEET 8A	DRAWING NO. 0-28888

THIS SHEET FOR PHASE I E&S CONTROL ONLY



RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

- TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B
- CIP — Denotes Culvert Inlet Protection, Type C; VDOT St'd EC-6
- LOD — Denotes Limits of Disturbance
- RCD-2 — Denotes Rock Check Dam, Type II; VDOT St'd EC-4
- IP-A — Denotes Inlet Protection, Type A; VDOT St'd EC-6
- IP-B — Denotes Inlet Protection, Type B; VDOT St'd EC-6
- TST — Denotes Temporary Sediment Trap; VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS PHASE I E&S

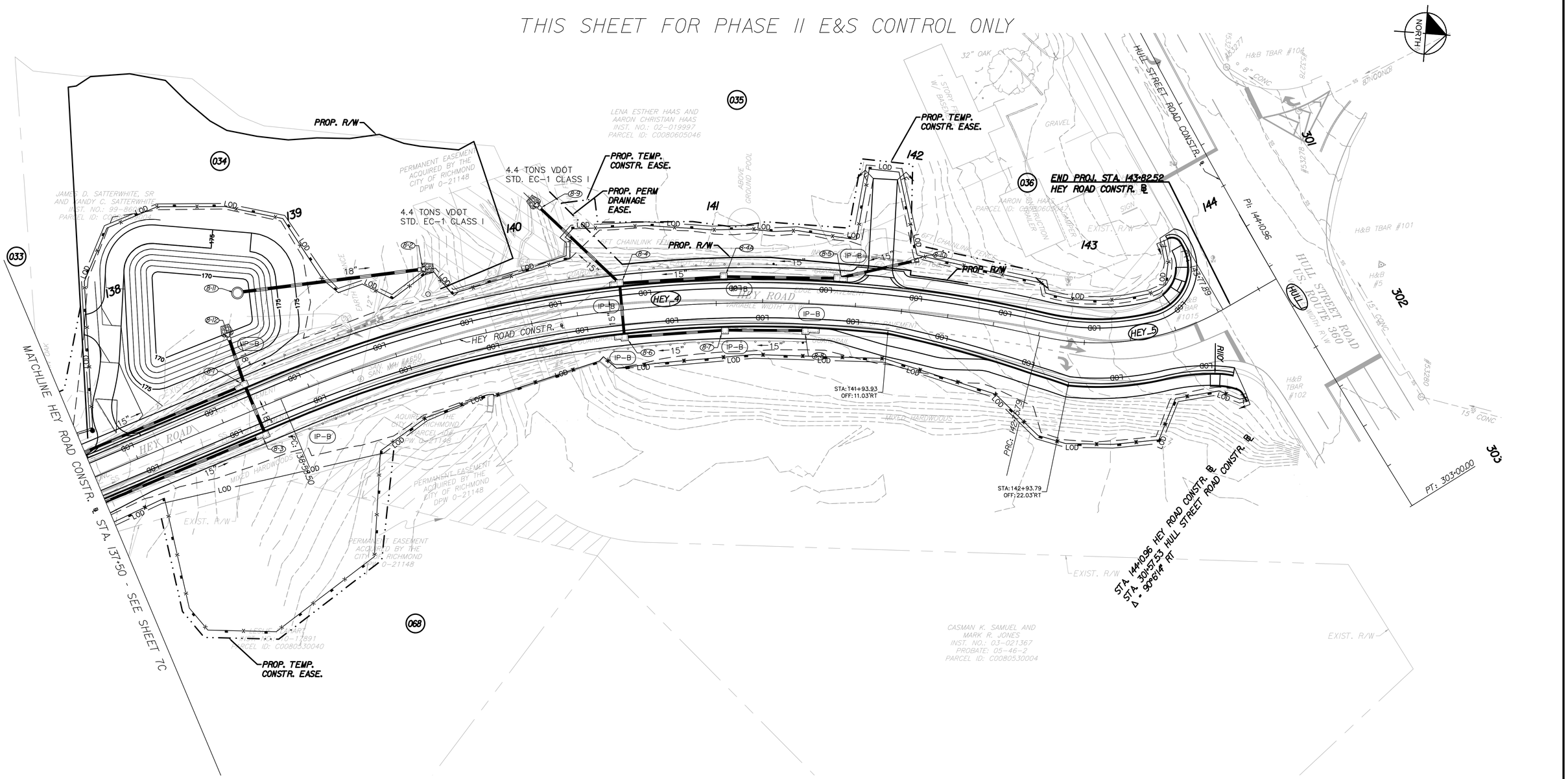
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE 1" = 25'	DATE 12/19/2025	SHEET 8B	DRAWING NO. 0-28888

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\PHASE I E&S\8B PHASE 1 E&S.dwg 8B PHASE 1 E&S Dec 19, 2025 7:13pm by: Zachary.Sonly
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RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

- TSF-A / TSF-B — Denotes Temporary Silt Fence, VDOT St'd EC-5 Type A or B
- CIP — Denotes Culvert Inlet Protection, Type C; VDOT St'd EC-6
- LOD — Denotes Limits of Disturbance
- RCD-2 — Denotes Rock Check Dam, Type II; VDOT St'd EC-4
- IP-A — Denotes Inlet Protection, Type A; VDOT St'd EC-6
- IP-B — Denotes Inlet Protection, Type B; VDOT St'd EC-6
- TST — Denotes Temporary Sediment Trap; VDOT St'd EC-7

GRAPHIC SCALE IN FEET
0 12.5 25 50

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RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
PHASE II E&S

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

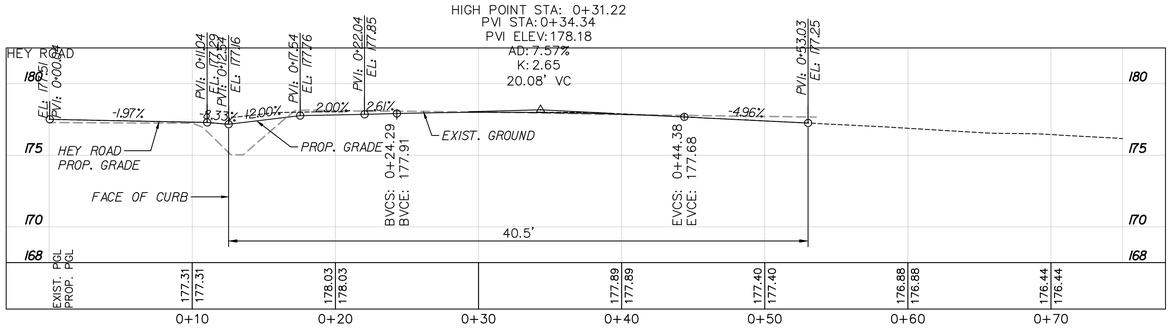
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
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CHECKED BY: JHO						

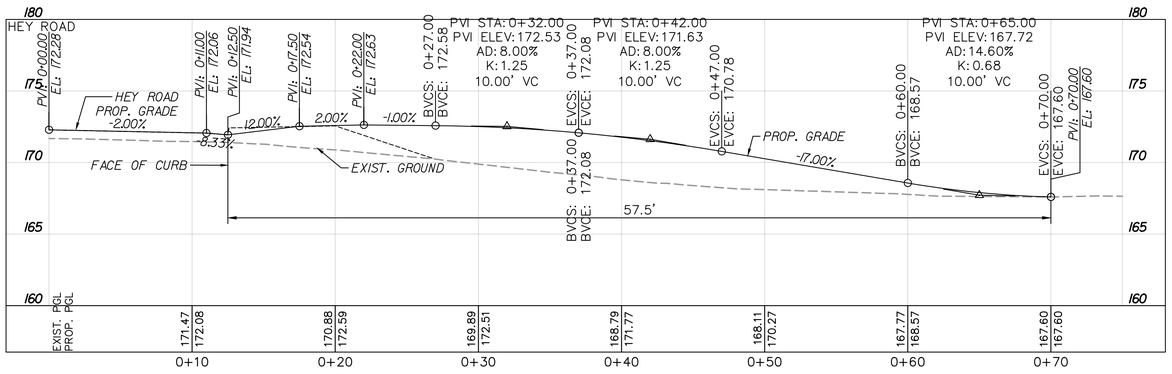
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Drawing name: K:\RIC_TP1\O\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\ENTRANCE PROFILES.dwg 8D ENTRANCE PROFILES Dec 19, 2025 7:15pm by: ZacharySanty
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ENTR. LT. STA. 137+66 HEY ROAD



ENTR. LT. STA. 141+87 HEY ROAD



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

No.	REVISIONS	DATE	BY

LEGEND

- EXISTING GROUND
- PROPOSED DRIVEWAY GRADE
- CROSS SECTION GRADE

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
ROADWAY ENGINEER

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
ENTRANCE PROFILES

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 5'	12/19/2025	8D	0-28888
CHECKED BY: JHO						

SHEET 3

EX. 3-1	MODIFY EXISTING DROP INLET
	TO ACCEPT UD-4
3-2	1 STD. DI-3B REQ.
	L=4', H=3.3', INV = 203.82'
	CONNECT UD-4 TO DI
3-2 TO 3-2A	30' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 203.82', INV(OUT) = 203.70'
3-2A	2.8 LF STD. MH-1 REQ.
	1 STD. MH-1 FRAME & COVER REQ.
	INV = 203.70', RIM = 207.19'
	STD. IS-1 REQ.
3-2A TO 3-9	31' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 203.70', INV(OUT) = 203.41'
3-3	1 STD. DI-3B REQ.
	L=4', H=6.4', INV = 202.14'
	CONNECT UD-4 TO DI
3-3 TO 3-6	29' -15" CONC. PIPE CLASS III REQ. (5' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 202.14', INV(OUT) = 202.02'
3-4	1 STD. DI-3A REQ.
	H=4.4', INV = 207.61'
	CONNECT UD-4 TO DI
3-4 TO 3-5	101' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 207.61', INV(OUT) = 204.97'
3-5	1 STD. DI-3B REQ.
	L=4', H=5.9', INV = 204.97'
	CONNECT UD-4 TO DI
3-5 TO 4-1	300' -15" CONC. PIPE CLASS III REQ. (4' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 204.97', INV(OUT) = 196.09'

SHEET 3 CONT.

3-6	1 STD. DI-3A REQ.
	H=6.5', INV = 202.02'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
3-6 TO 3-7	101' -18" CONC. PIPE CLASS III REQ. (5' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 202.02', INV(OUT) = 201.61'
	STD. IS-1 REQ.
3-7	1 STD. DI-3B REQ.
	L=4', H=8.9', INV = 201.61'
	CONNECT UD-4 TO DI
3-7 TO 3-8	214' -18" CONC. PIPE CLASS III REQ. (7' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 201.61', INV(OUT) = 200.48'
3-8	1 STD. DI-3B REQ.
	L=8', H=9.6', INV = 200.48'
	CONNECT UD-4 TO DI
3-8 TO 4-3	179' -18" CONC. PIPE CLASS III REQ. (8' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 200.48', INV(OUT) = 198.92'
3-9	1 STD. DI-3B REQ.
	L=4', H=4.1', INV = 203.41'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
3-9 TO 3-6	106' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 203.41', INV(OUT) = 202.02'
3-10	1 STD. DI-1 REQ.
	H=2.6, INV = 204.30', RIM = 206.89'
3-10 TO 3-9	13' -15" CONC. PIPE CLASS III REQ. (1' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 204.30', INV(OUT) = 204.20'
3-11	1 STD. DI-1 REQ.
	H=4.0, INV = 204.28', RIM = 208.26'
3-11 TO 3-6	13' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 204.28', INV(OUT) = 204.20'
3-12	1 STD. DI-1 REQ.
	H=4.2, INV = 206.10', RIM = 210.35'
3-12 TO 3-7	13' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 206.10', INV(OUT) = 206.00'

SHEET 4

4-1	1 STD. DI-3B REQ.
	L=6', H=5.7', INV = 196.09'
	CONNECT UD-4 TO DI
4-1 TO 4-2	300' -15" CONC. PIPE CLASS III REQ. (4' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 196.09', INV(OUT) = 187.07'
4-2	1 STD. DI-3B REQ.
	L=6', H=12.7', INV = 178.50'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
	STD. SL-1 REQ.
4-2 TO 4-2A	71' -24" CONC. PIPE CLASS III REQ. (11' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 178.50', INV(OUT) = 176.00'
4-2A	1 STD. 24" ES-1 REQ.
	INV = 176.00'
	7.9 TONS ST'D. EC-1 CLASS 1 REQ.
4-3	1 STD. DI-3B REQ.
	L=10', H=4.2', INV = 198.64'
	CONNECT UD-4 TO DI
4-3 TO 4-4	96' -18" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 198.64', INV(OUT) = 197.40'
4-4	1 STD. DI-3B REQ.
	L=10', H=4.4', INV = 197.40'
	CONNECT UD-4 TO DI
4-4 TO 4-5	150' -18" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 197.40', INV(OUT) = 192.80'
4-5	1 STD. DI-3B REQ.
	L=6', H=4.2', INV = 192.80'
	CONNECT UD-4 TO DI
4-5 TO 4-6	150' -18" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 192.80', INV(OUT) = 187.00'
4-6	1 STD. DI-3B REQ.
	L=6', H=12.3', INV = 178.93'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
	STD. SL-1 REQ.
4-6 TO 4-2	29' -24" CONC. PIPE CLASS III REQ. (10' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 178.93', INV(OUT) = 178.50'
4-8	1 STD. 24" ES-1 REQ.
	INV = 177.22'
	103.4 TONS ST'D. EC-1 CLASS 1 REQ.
4-9	EXISTING PIPE TO BE EXTENDED WITH 25' - 48" RCP (7' COVER)
	1 STD. 48" EW-2 REQ.
	LEAK RESISTANT JOINT TYPE
	INV(IN) =171.69, INV(OUT) =171.57'
	103.4 TONS ST'D. EC-1 CLASS 1 REQ.
4-10	1 STD. DI-3C REQ.
	L=6', H=3.8', INV = 181.90'
	CONNECT UD-4 TO DI
4-10 TO 4-15	87' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 181.90', INV(OUT) = 181.56'
4-11	1 STD. DI-3B REQ.
	L=6', H=4.2', INV = 182.00'
	CONNECT UD-4 TO DI

SHEET 4 CONT.

4-11 TO 4-10	24' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 182.00', INV(OUT) = 181.90'
4-12	1 STD. DI-3B REQ.
	L=6', H=4.2', INV = 186.26'
	CONNECT UD-4 TO DI
4-12 TO 4-11	75' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 186.26', INV(OUT) = 182.00'
4-13	1 STD. DI-3B REQ.
	L=6', H=3.7', INV = 182.45'
	CONNECT UD-4 TO DI
4-13 TO 4-17	24' -24" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 182.45', INV(OUT) = 181.57'
4-14	1 STD. DI-3B REQ.
	L=6', H=5.2', INV = 185.26'
	CONNECT UD-4 TO DI
4-14 TO 4-13	74' -24" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 185.26', INV(OUT) = 182.45'
4-15	1 STD. DI-3B REQ.
	L=6', H=7.3', INV = 180.04'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
4-15 TO 4-8	51' -24" CONC. PIPE CLASS III REQ. (5' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 180.04', INV(OUT) = 177.22'
4-16	1 STD. DI-3B REQ.
	L=6', H=7.1', INV = 180.30'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
4-16 TO 4-15	29' -24" CONC. PIPE CLASS III REQ. (5' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 180.30', INV(OUT) = 180.04'
4-17	1 STD. DI-3A REQ.
	H=4.2', INV = 181.57'
	CONNECT UD-4 TO DI
4-17 TO 4-16	81' -24" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 181.57', INV(OUT) = 180.30'
4-18	7.0' SWM-1 REQ.
	BOTTOM ELEV = 172.00'
	3" DIAMETER WATER QUALITY ORIFICE REQ., INV = 175.00'
	10" DIAMETER WATER QUALITY ORIFICE REQ., INV = 177.15'
	24" INV(OUT) = 175.00'
4-18 TO 4-19	78' -18" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 175.00', INV(OUT) = 173.55'
4-19	1 STD. 24" ES-1 REQ.
	INV = 173.55'
4-20	1 STD. 48" EW-2S REQ.
	INV = 173.30'

NOTES:
1. ALL STRUCTURES GREATER THAN 4 FEET IN HEIGHT SHALL HAVE VDOT STD. ST-1
2. ALL STRUCTURES GREATER THAN 12 FEET IN HEIGHT SHALL HAVE VDOT STD. SL-1
3. CONTRACTOR SHALL CAP OR FLOWABLE FILL ABANDONED GAS LINE DISTURBED DURING CONSTRUCTION

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\DRAINAGE DESCRIPTIONS.dwg 9(1) DRAINAGE DESCRIPTIONS Dec 19, 2025 7:16pm by: Zachary.Santy
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HEY ROAD IMPROVEMENTS
DRAINAGE DESCRIPTIONS

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE	DATE 12/19/2025	SHEET 9(1)	DRAWING NO. 0-28888

SHEET 5

5-1	1 STD. DI-3B REQ.
	L=6', H=9.4', INV = 194.78'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
5-1 TO 5-3	40' -15" CONC. PIPE CLASS III REQ. (8' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 194.78', INV(OUT) = 193.36'
5-2	1 STD. DI-3A REQ.
	H=6.4', INV = 206.41'
	CONNECT UD-4 TO DI
5-2 TO 5-6	165' -15" CONC. PIPE CLASS III REQ. (5' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 206.41', INV(OUT) = 203.52'
5-3	1 STD. DI-3B REQ.
	L=6', H=11.6', INV = 192.95'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
5-3 TO 4-14	275' -24" CONC. PIPE CLASS III REQ. (9' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 192.95', INV(OUT) = 185.26'
5-4	1 STD. DI-3B REQ.
	L=6', H=7.0', INV = 201.92'
	CONNECT UD-4 TO DI
5-4 TO 5-3	110' -18" CONC. PIPE CLASS III REQ. (5' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 201.92', INV(OUT) = 199.61'
5-5	1 STD. DI-3A REQ.
	L=2.5', H=8.6', INV = 204.20'
	CONNECT UD-4 TO DI
5-5 TO 5-4	140' -18" CONC. PIPE CLASS III REQ. (7' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 204.20', INV(OUT) = 201.92'
5-6	1 STD. DI-3B REQ.
	L=6', H=4.3', INV = 203.52'
	CONNECT UD-4 TO DI
5-6 TO 5-1	87' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 203.52', INV(OUT) = 200.36'
5-7	1 STD. DI-1 REQ.
	H=4.1, INV = 200.10', RIM = 204.21'
5-7 TO 5-3	13' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 200.10', INV(OUT) = 200.05'
5-8	1 STD. DI-1 REQ.
	H=4.1, INV = 204.56', RIM = 208.65'
5-8 TO 5-4	13' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 204.56', INV(OUT) = 204.51'
5-9	1 STD. DI-1 REQ.
	H=4.0, INV = 203.57', RIM = 207.59'
5-9 TO 5-6	12' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 203.57', INV(OUT) = 203.52'

SHEET 8 CONT.

8-9	1 STD. 15" ES-1 REQ.
	INV = 163.11'
	4.4 TONS ST'D. EC-1 CLASS 1 REQ.
8-10	1 STD. 15" ES-1 REQ.
	INV = 170.04'
8-10 TO 8-5	41' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 170.04', INV(OUT) = 168.21.
8-11 TO 8-2	99' -18" CONC. PIPE CLASS III REQ. (6' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 169.50', INV(OUT) = 168.00'
8-11	7.2' SWM-1 REQ.
	BOTTOM ELEV = 166.5'
	10" DIAMETER WATER QUALITY ORIFICE REQ., INV = 169.50'
	18" INV. (OUT) = 169.50
8-12	1 STD. 18" ES-1 REQ.
	INV = 170.00'
	4.4 TONS ST'D. EC-1 CLASS 1 REQ.

SHEET 6

6-1	1 STD. DI-3A REQ.
	H=3.9', INV = 207.33'
	CONNECT UD-4 TO DI
6-1 TO 5-2	229' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 207.33', INV(OUT) = 206.41'
6-2	1 STD. DI-3B REQ.
	L=6', H=3.9', INV = 207.52'
	CONNECT UD-4 TO DI
6-1 TO 6-2	46' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 207.52', INV(OUT) = 207.33'
6-3	1 STD. DI-3C REQ.
	L=6', H=4.3', INV = 206.96'
	CONNECT UD-4 TO DI
6-3 TO 5-5	229' -18" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 206.96', INV(OUT) = 204.20'
6-4	1 STD. DI-3B REQ.
	L=6', H=4.1', INV = 207.35'
	CONNECT UD-4 TO DI
6-4 TO 6-3	46' -18" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 207.35', INV(OUT) = 206.96'
6-5	1 STD. DI-3B REQ.
	L=6', H=4.4', INV = 208.30'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
6-5 TO 6-4	100' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 208.30', INV(OUT) = 207.60'
6-6	1 STD. DI-3B REQ.
	L=6', H=3.3', INV = 211.30'
	CONNECT UD-4 TO DI
6-6 TO 6-9	20' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 211.30', INV(OUT) = 211.19'
6-7	1 STD. DI-1 REQ.
	H=4.1, INV = 207.03', RIM = 211.16'
6-7 TO 6-3	14' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 207.03', INV(OUT) = 206.96'
6-8	1 STD. DI-1 REQ.
	H=4.2, INV = 208.39', RIM = 212.59'
6-8 TO 6-5	17' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 208.39', INV(OUT) = 208.30'
6-9	1 STD. DI-1 REQ.
	H=8.5, INV = 205.89', RIM = 214.36'
	STD. IS-1 REQ.
6-6 TO 6-10	113' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 205.89', INV(OUT) = 205.20'
6-10	1 STD. DI-3B REQ.
	L=6', H=6.1', INV = 205.20'
	CONNECT UD-4 TO DI
6-10 TO 7-1	131' -15" CONC. PIPE CLASS III REQ. (5' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 205.20', INV(OUT) = 203.52'

SHEET 7

7-1	1 STD. DI-3B REQ.
	L=6', H=8.1', INV = 199.25'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
7-1 TO 7-6	29' -15" CONC. PIPE CLASS III REQ. (7' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 199.25', INV(OUT) = 199.10'
7-2	1 STD. DI-3B REQ.
	L=6', H=3.9', INV = 194.52'
	CONNECT UD-4 TO DI
7-2 TO 7-3	137' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 194.52', INV(OUT) = 188.97'
7-3	1 STD. DI-3B REQ.
	L=6', H=3.9', INV = 188.97'
	CONNECT UD-4 TO DI
7-3 TO 7-4	142' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 188.97', INV(OUT) = 178.57'
7-4	1 STD. DI-3B REQ.
	L=6', H=4.2', INV = 178.57'
	CONNECT UD-4 TO DI
7-4 TO 8-1	168' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 178.57', INV(OUT) = 170.59'
7-5	1 STD. DI-3B REQ.
	L=6', H=4.4', INV = 205.69'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
7-5 TO 7-6	95' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 205.69', INV(OUT) = 203.44'
7-6	1 STD. DI-3B REQ.
	L=6', H=8.3', INV = 199.10'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
7-6 TO 7-7A	98' -15" CONC. PIPE CLASS III REQ. (7' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 199.10', INV(OUT) = 197.58'
7-7	1 STD. DI-3B REQ.
	L=8', H=3.9', INV = 194.52'
	CONNECT UD-4 TO DI
7-7 TO 7-8	142' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 194.52', INV(OUT) = 188.97'
7-7A	1 STD. DI-3B REQ.
	L=6', H=7.1', INV = 197.56'
	CONNECT UD-4 TO DI
7-7A TO 7-7	192' -15" CONC. PIPE CLASS III REQ. (6' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 197.56', INV(OUT) = 194.52'
7-8	1 STD. DI-3B REQ.
	L=6', H=3.9', INV = 188.97'
	CONNECT UD-4 TO DI
7-8 TO 7-9	148' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 188.97', INV(OUT) = 178.83'
7-9	1 STD. DI-3B REQ.
	L=6', H=3.9', INV = 178.83'
	CONNECT UD-4 TO DI
7-9 TO 8-3	169' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 178.83', INV(OUT) = 170.83'
7-10	1 STD. DI-1 REQ.
	H=2.8, INV = 205.84', RIM = 208.61'
7-10 TO 7-5	26' -15" CONC. PIPE CLASS III REQ. (1' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 205.84', INV(OUT) = 205.69'

SHEET 8

8-1	1 STD. DI-3B REQ.
	L=6', H=4.2', INV = 170.49'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
8-1 TO 8-12	25' -18" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 170.49', INV(OUT) = 170.00'
8-2	1 STD. 18" ES-1 REQ.
	INV = 168.00'
	4.4 TONS ST'D. EC-1 CLASS 1 REQ.
8-3	1 STD. DI-3B REQ.
	L=6', H=3.9', INV = 170.83'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
8-3 TO 8-1	29' -18" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 170.83', INV(OUT) = 170.49'
8-4	1 STD. DI-3B REQ.
	L=4', H=8.4', INV = 163.57'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
8-4 TO 8-9	58' -15" CONC. PIPE CLASS III REQ. (7' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 163.57', INV(OUT) = 163.11'
8-4A	1 STD. DI-3A REQ.
	H=3.9', INV = 167.84'
	CONNECT UD-4 TO DI
8-4A TO 8-4	56' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 167.84', INV(OUT) = 167.55'
8-5	1 STD. DI-3B REQ.
	L=6', H=3.9', INV = 168.21'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
8-5 TO 8-4A	61' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 168.21', INV(OUT) = 167.84'
8-6	1 STD. DI-3B REQ.
	L=4', H=7.0', INV = 165.01'
	CONNECT UD-4 TO DI
	STD. IS-1 REQ.
8-6 TO 8-4	29' -15" CONC. PIPE CLASS III REQ. (6' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 165.01', INV(OUT) = 164.87'
8-7	1 STD. DI-3A REQ.
	H=4.2', INV = 167.57'
	CONNECT UD-4 TO DI
8-7 TO 8-6	54' -15" CONC. PIPE CLASS III REQ. (3' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 167.57', INV(OUT) = 166.97'
8-8	1 STD. DI-3B REQ.
	L=4', H=3.9', INV = 168.04'
	CONNECT UD-4 TO DI
8-8 TO 8-7	43' -15" CONC. PIPE CLASS III REQ. (2' COVER)
	SILT TIGHT JOINT TYPE
	INV(IN) = 168.04', INV(OUT) = 167.57'

NOTES:
1. ALL STRUCTURES GREATER THAN 4 FEET IN HEIGHT SHALL HAVE VDOT STD. ST-1
2. ALL STRUCTURES GREATER THAN 12 FEET IN HEIGHT SHALL HAVE VDOT STD. SL-1
3. CONTRACTOR SHALL CAP OR FLOWABLE FILL ABANDONED GAS LINE DISTURBED DURING CONSTRUCTION
4. PROTECTIVE PAD AND UTILITY CROSSING BEDDING SHALL BE INCIDENTAL TO THE UNIT PRICE FOR LINEAR FEET OF WATER MAIN

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\DRAINAGE DESCRIPTIONS 9(2) DRAINAGE DESCRIPTIONS Dec 19, 2025 7:16pm by: Zachary.Santy
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HEY ROAD IMPROVEMENTS
DRAINAGE DESCRIPTIONS

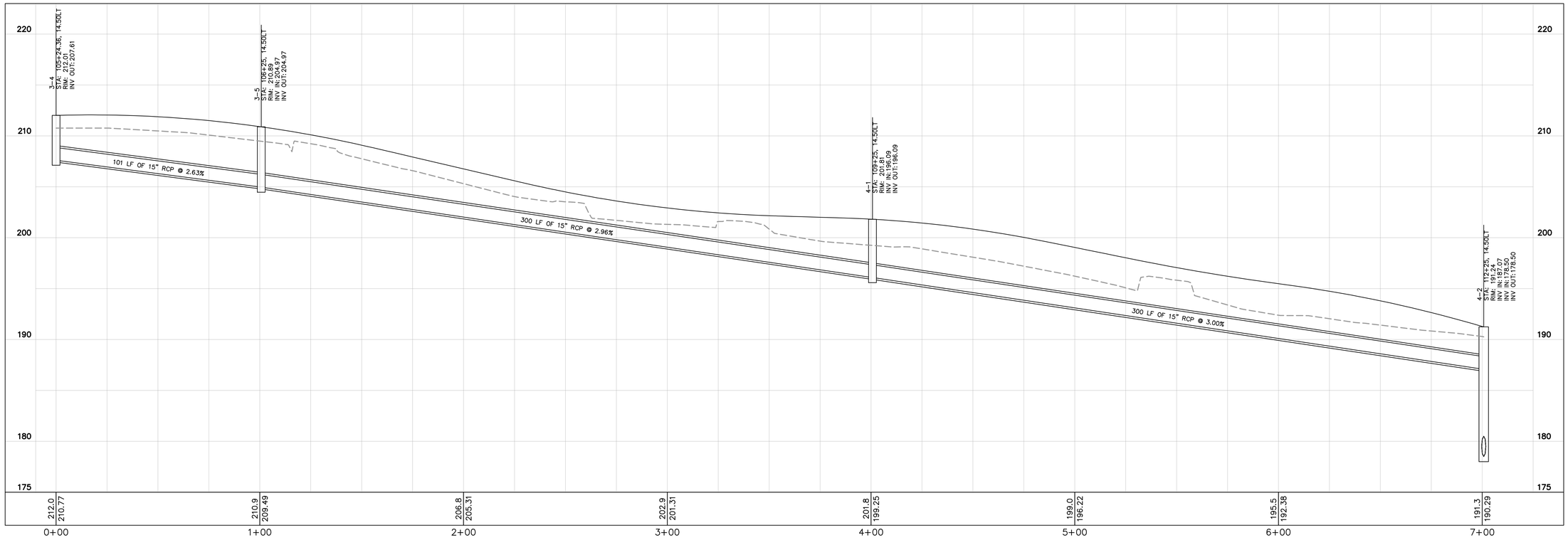
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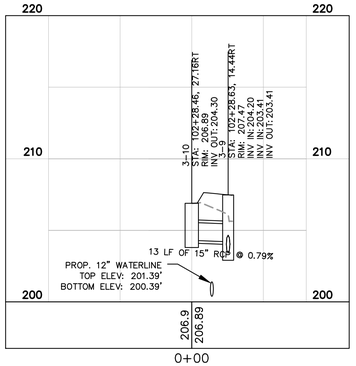
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DRAWN BY:	AS			12/19/2025	9(2)	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TP1\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\STORM PROFILES.dwg 9(3) STORM PROFILES Dec 19, 2025 7:17pm by: Zachary.Sorby
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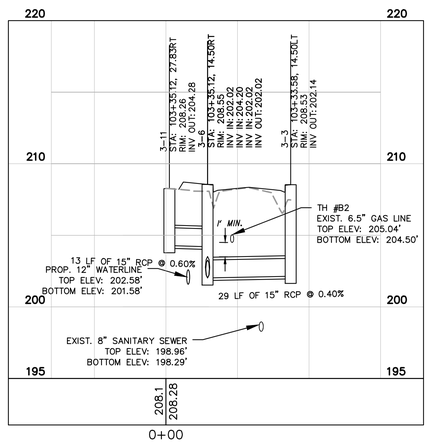
3-4 TO 4-1



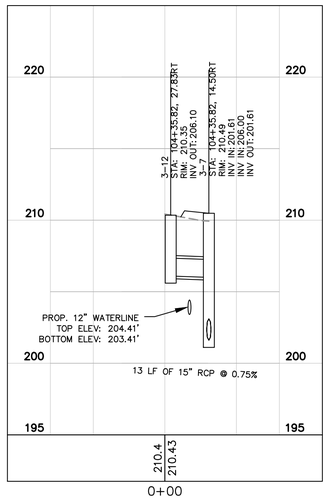
3-10 TO 3-9



3-11 TO 3-3



3-12 TO 3-7



Notes:

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PROPOSED GRADE

EXISTING GROUND

VERT: 1" = 5'

HORIZ: 1" = 25'

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
HYDRAULIC ENGINEER

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
STORM SEWER PROFILES

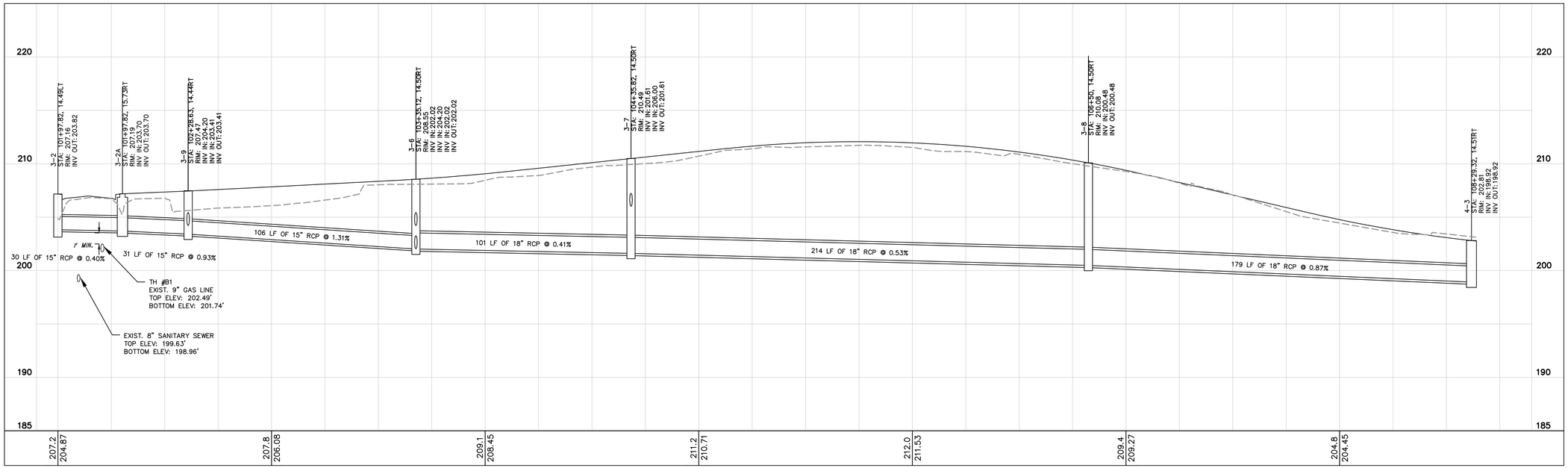
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

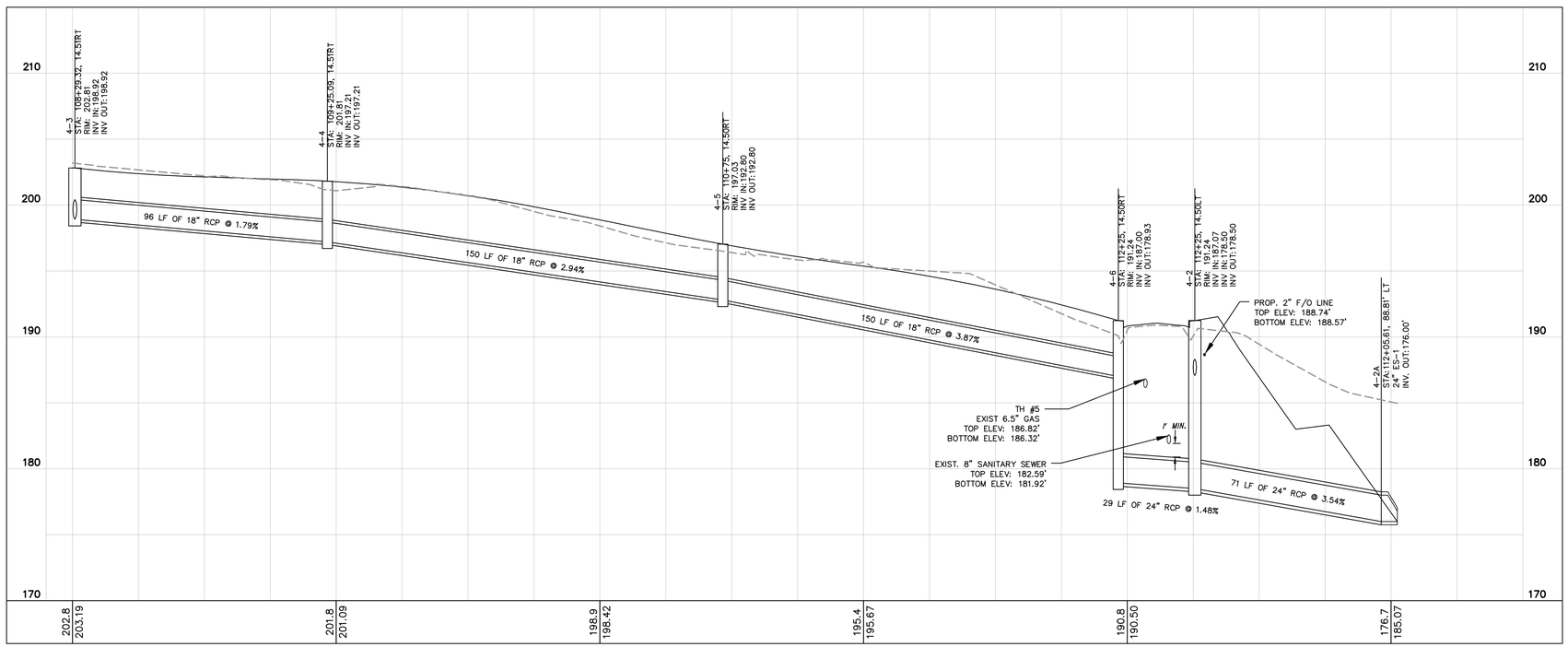
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3-2 TO 4-3



4-3 TO 4-2A



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CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS
STORM SEWER PROFILES

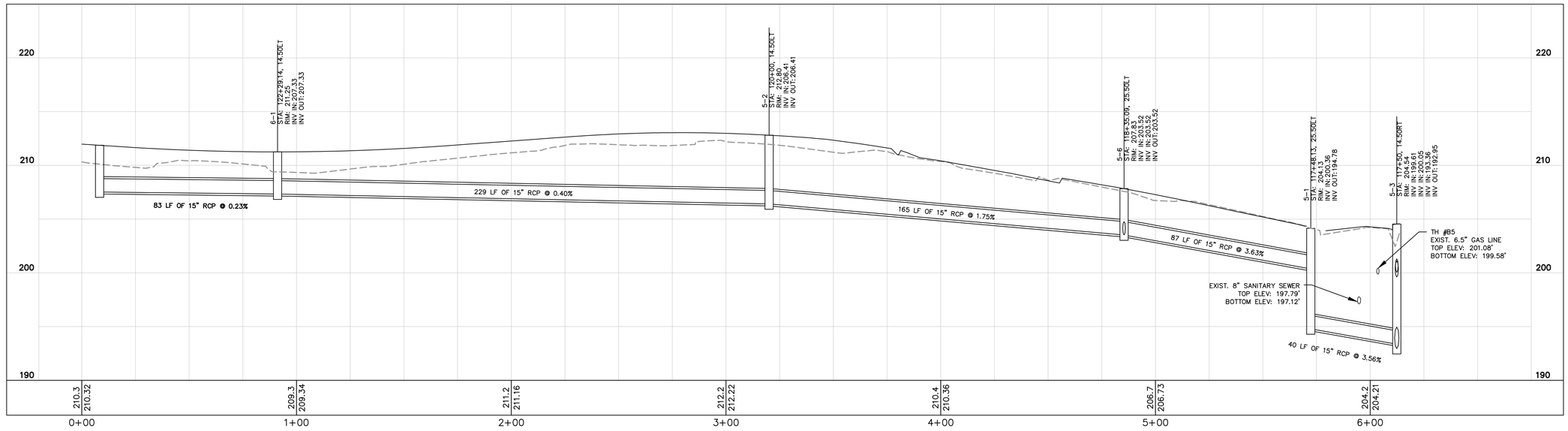
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

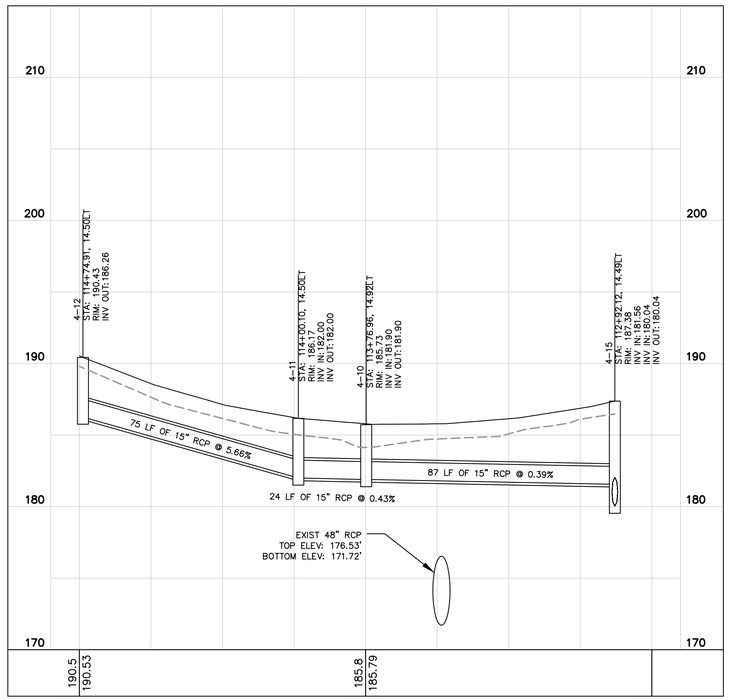
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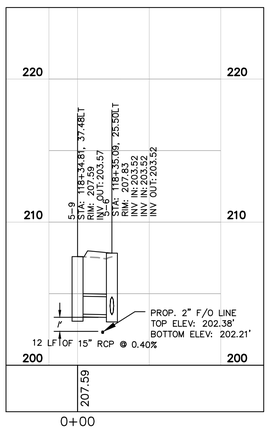
6-2 TO 5-3



4-12 TO 4-15



5-9 TO 5-6



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PROPOSED GRADE
EXISTING GROUND

VERT: 1" = 5'
HORIZ: 1" = 25'

RW PLANS

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HYDRAULIC ENGINEER

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CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS
STORM SEWER PROFILES

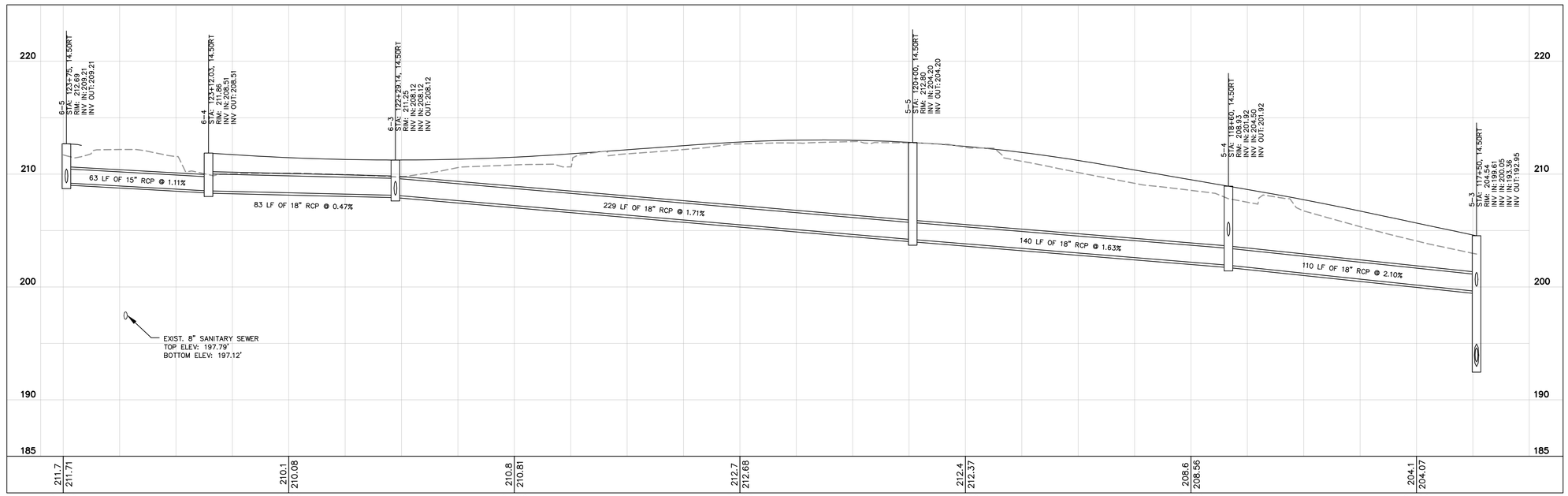
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VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

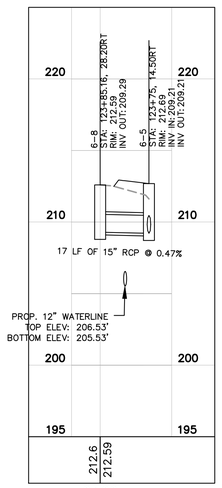
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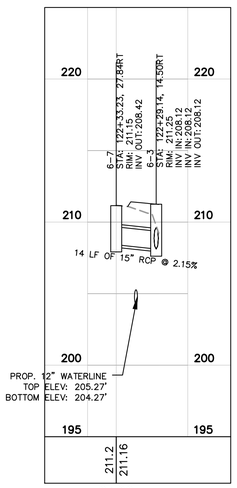
6-5 TO 5-3



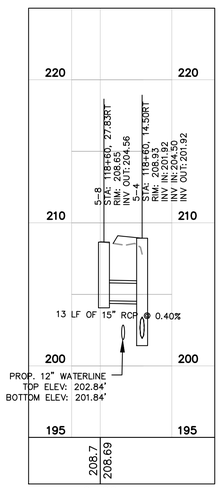
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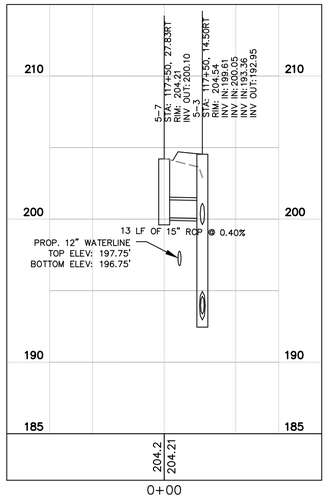
6-7 TO 6-3



5-8 TO 5-4



5-7 TO 5-3



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———— PROPOSED GRADE
– – – – – – – – EXISTING GROUND

VERT: 1" = 5'
HORIZ: 1" = 25'

RW PLANS

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Richmond, Virginia
HYDRAULIC ENGINEER

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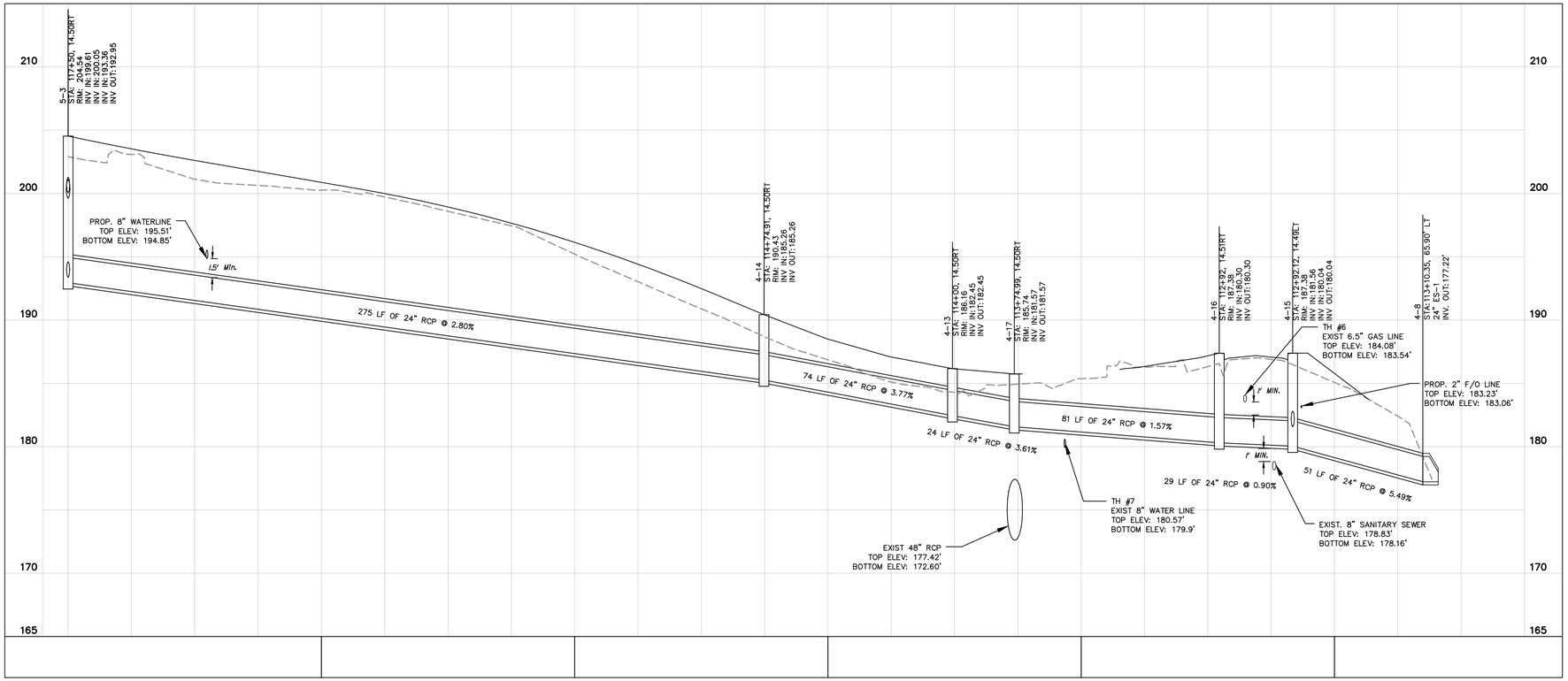
HEY ROAD IMPROVEMENTS
STORM SEWER PROFILES

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

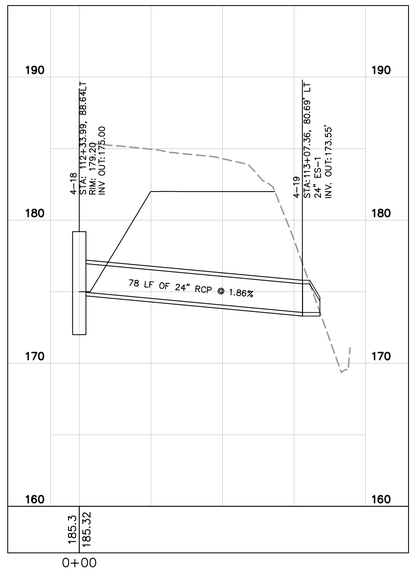
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DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE	DATE 12/19/2025	SHEET 9(6)	DRAWING NO. 0-28888

5-3 TO 4-8



4-18 TO 4-19



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EXISTING GROUND

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STORM SEWER PROFILES

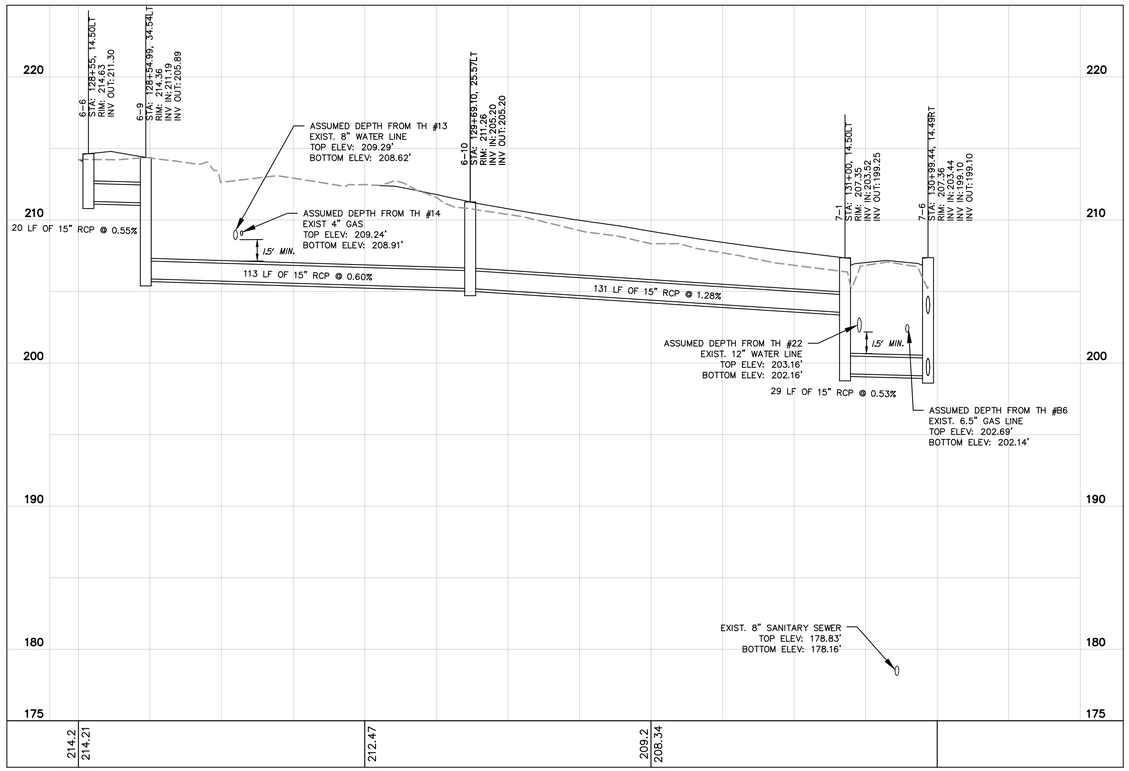
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

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6-6 TO 7-6



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———— PROPOSED GRADE
- - - - - - - - EXISTING GROUND

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RW PLANS

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CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
STORM SEWER PROFILES

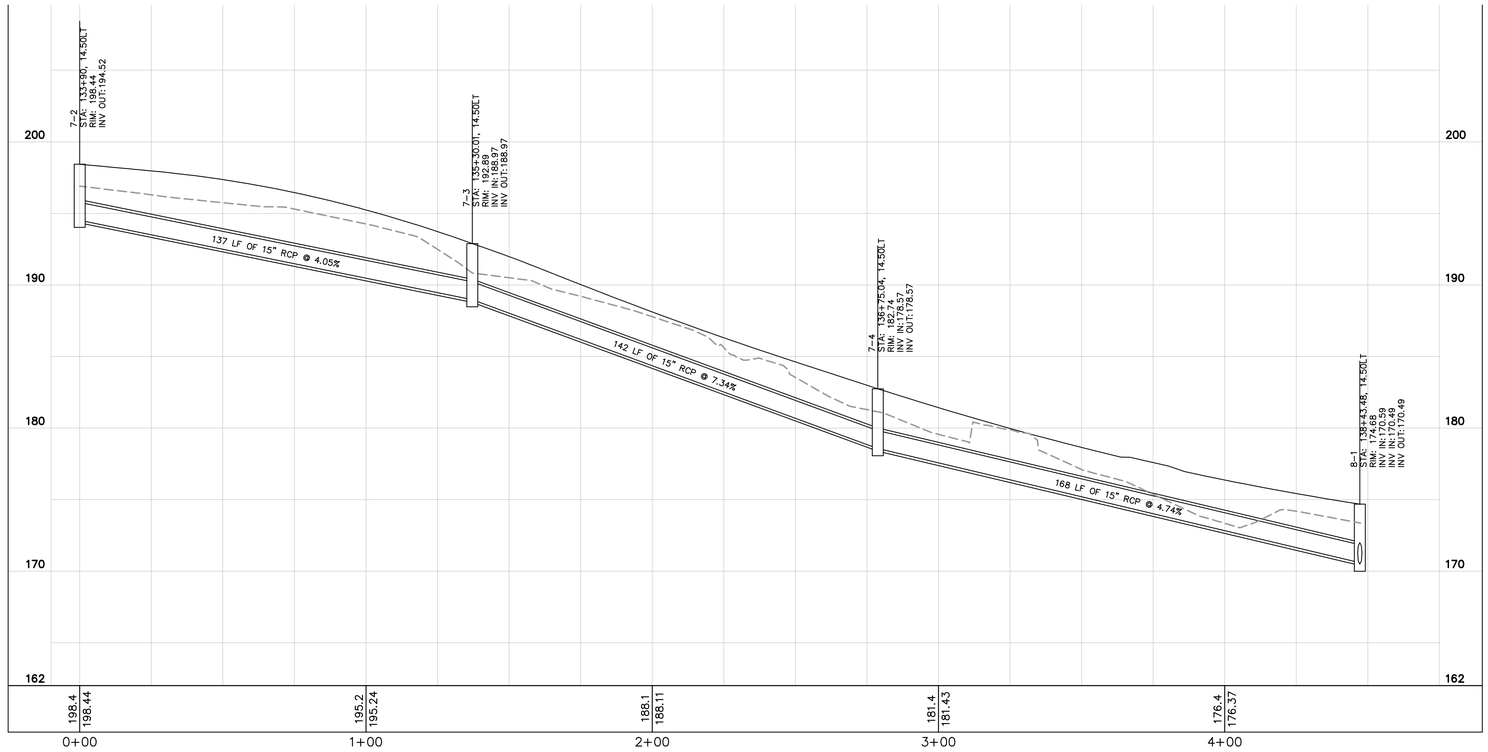
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VDOT PROJECT NO.:
U000-127-R31, P101, RW201, C501

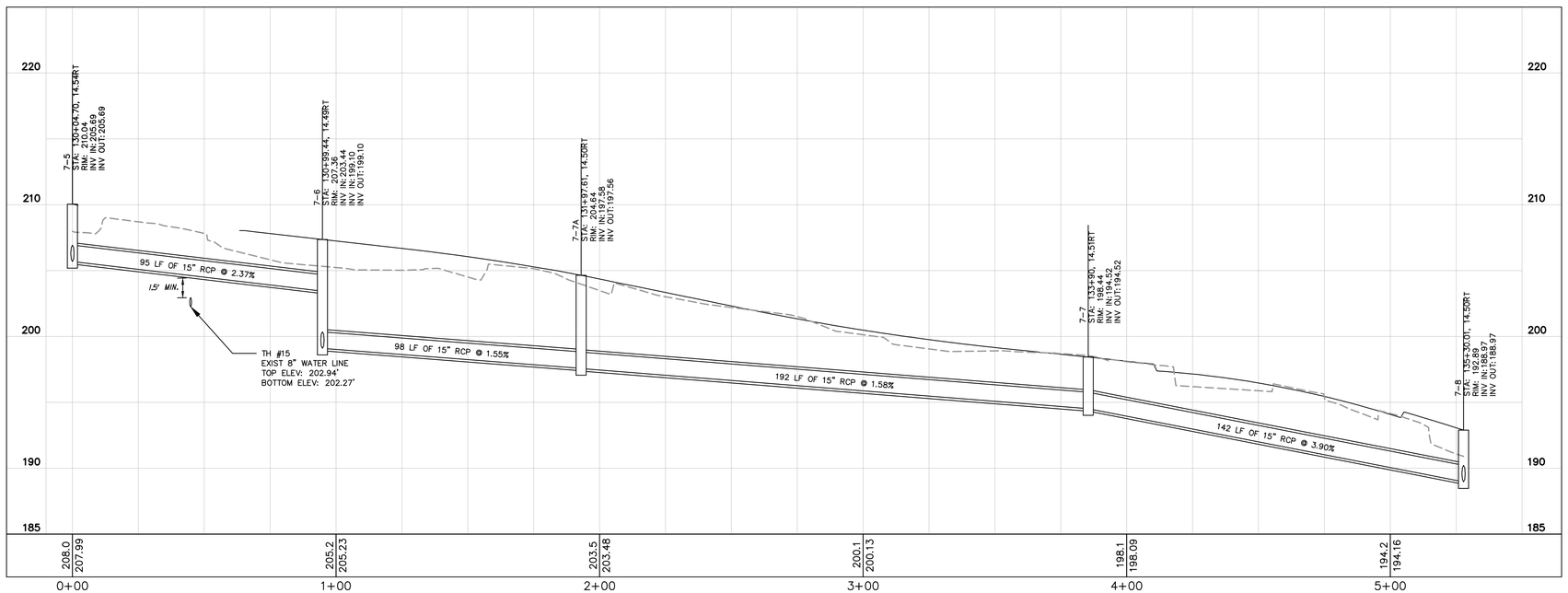
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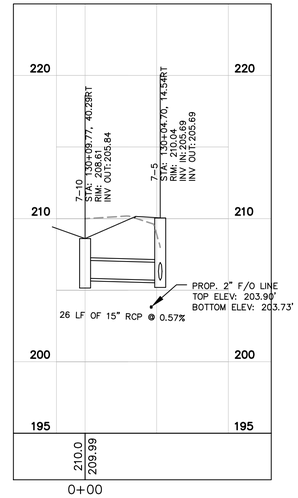
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7-5 TO 7-8



7-10 TO 7-5



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STORM SEWER PROFILES

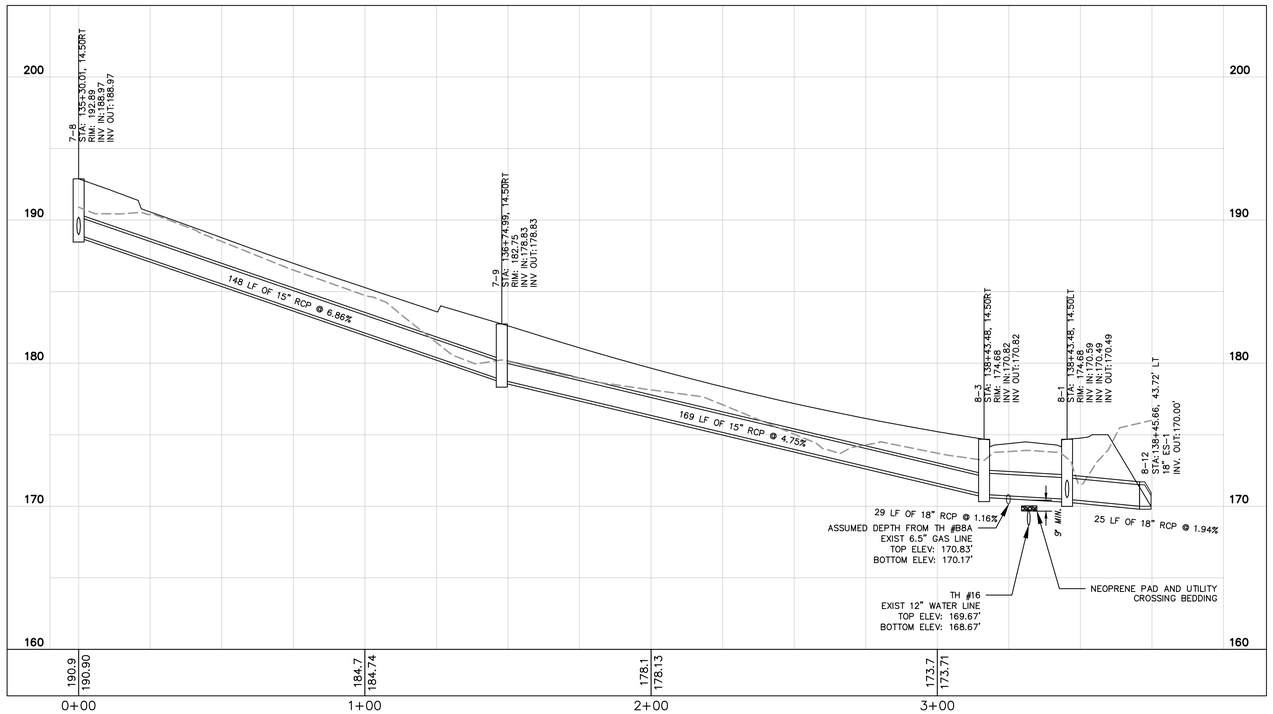
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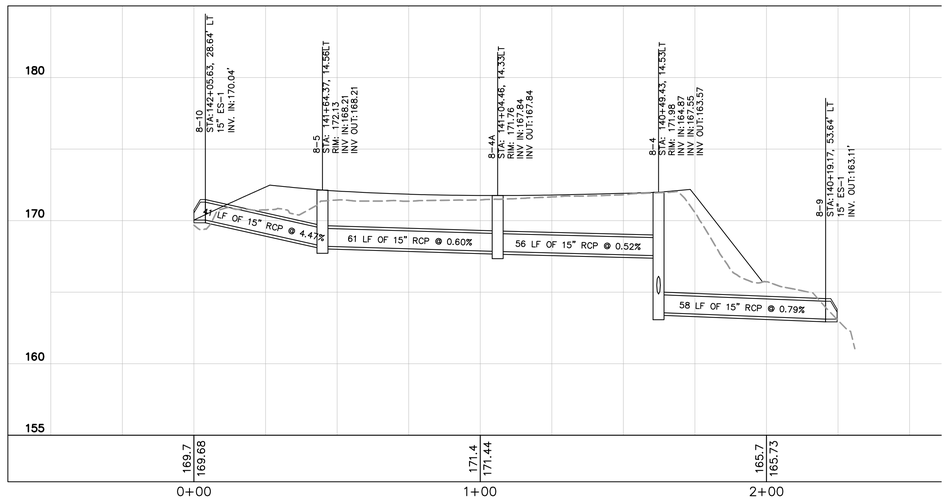
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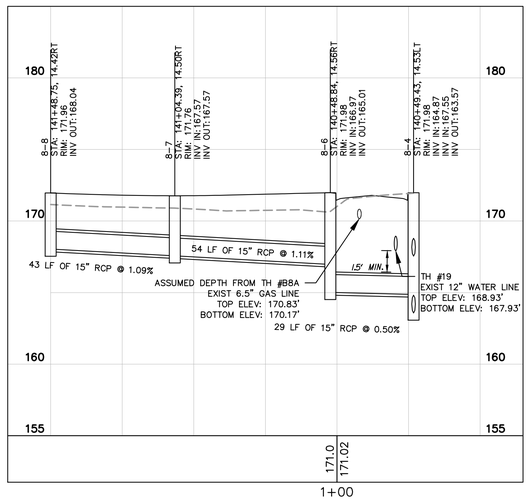
7-8 TO 8-12



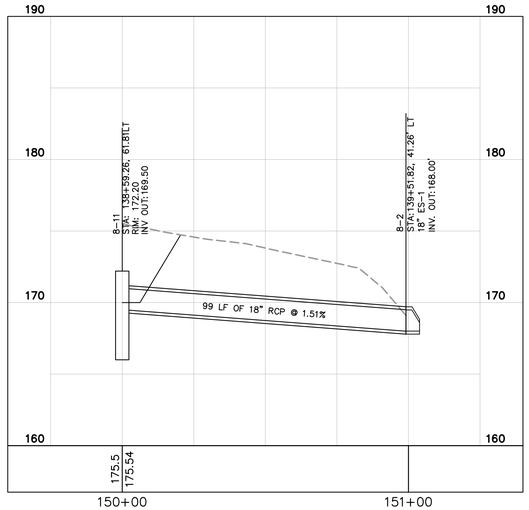
8-10 TO 8-9



8-8 TO 8-4



8-11 TO 8-2



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HEY ROAD IMPROVEMENTS
STORM SEWER PROFILES

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS			12/19/2025	9(10)	0-28888
CHECKED BY: JHO						

GENERAL NOTES:

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE CITY OF RICHMOND TECHNICAL SPECIFICATIONS AND THE CURRENT EDITION OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS.

2. LOCATIONS OF EXISTING SHOWN UTILITIES ARE APPROXIMATE. THIS PLAN DOES NOT GUARANTEE THE EXISTENCE, NON-EXISTENCE, SIZE, TYPE, LOCATION, ALIGNMENT OR DEPTH OF ANY OR ALL UNDERGROUND UTILITIES OR OTHER FACILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXACT LOCATION, ORIENTATION AND ELEVATION OF EXISTING UTILITIES A MINIMUM 500 FEET PRIOR TO EXCAVATION FOR THE CROSSING. THE CONTRACTOR SHALL PERFORM WHATEVER TEST EXCAVATION OR OTHER INVESTIGATION ARE NECESSARY TO VERIFY TIE-IN INVERTS, SIZE, MATERIAL, LOCATIONS AND CLEARANCES AT THEIR EXPENSE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY AND THE ENGINEER ANY REQUIRED CHANGES IN THE DESIGN DUE TO UTILITY CONFLICTS IMMEDIATELY UPON DISCOVERY. ANY DELAYS DUE TO CONFLICTS PREVIOUSLY KNOWN TO THE CONTRACTOR BUT NOT IMMEDIATELY COMMUNICATED TO THE ENGINEER IN A TIMELY FASHION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. UTILITY COMPANIES SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY EXCAVATION IN THE PROXIMITY OF THEIR UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AT THEIR EXPENSE ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE POWER COMPANY SUPPORT OF EXISTING POWER POLES AS REQUIRED FOR TRENCH EXCAVATION. ALL COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE POWER COMPANY AT LEAST 6 WEEKS IN ADVANCE OF REQUIRING SUPPORT OF EXISTING POWER POLES.

4. BURIED TELEPHONE AND CATV CABLES (FIBER OPTICS AND CONVENTIONAL) ARE KNOWN TO VARY DUE TO INSTALLATION TECHNIQUES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATING WITH THE SERVICE PROVIDER TO DETERMINE SPECIFIC CABLE LOCATIONS AND NOTIFYING THE ENGINEER OF THE EXACT ELEVATION OF THE CABLES. WHERE EXISTING UTILITIES CONFLICT WITH THE PROPOSED WATER MAIN, THE CONTRACTOR SHALL COORDINATE ANY NECESSARY RELOCATIONS WITH THE SERVICE PROVIDER.

5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY AND THE AFFECTED UTILITY, IN THE EVENT THAT ANY UTILITIES ARE DAMAGED DURING CONSTRUCTION. ANY UTILITIES DAMAGED AS A RESULT OF THE CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE UTILITY OWNER AT NO ADDITIONAL COST TO THE PROJECT.

   A. CITY OF RICHMOND PUBLIC UTILITIES (804-646-4646)

   B. CITY OF RICHMOND PUBLIC WORKS (804-646-6430)

6. CULVERTS UNDERNEATH GRAVEL OR PAVED ENTRANCES, DROP INLETS, OR OTHER STORM DRAIN PIPING WITHIN THE CITY RIGHT OF WAY THAT ARE DAMAGED DURING WATER MAIN EXCAVATIONS, CONSTRUCTION, OR BACKFILL SHALL BE REMOVED AND REPLACED IN KIND AT NO ADDITIONAL COST TO THE PROJECT, AND TO THE SATISFACTION OF THE CITY OF RICHMOND PUBLIC UTILITIES DEPARTMENT.

7. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SHOULD ANY FIELD CONDITIONS BE ENCOUNTERED THAT VARY FROM THE INFORMATION PROVIDED IN THE DRAWINGS.

8. NOTES ON THE PLAN SHEETS CONTAINED WITHIN A BOX REFER TO PAY ITEMS. NOTES ON PLAN SHEETS NOT WITHIN A BOX ARE TO CLARIFY CONSTRUCTION REQUIRED AND SHALL BE INCLUDED IN THE UNIT PRICE OF THE ASSOCIATED PAY ITEM. ALL ITEMS OF MATERIAL, LABOR, SUPPLIES, OR EQUIPMENT NOT SPECIFICALLY ENUMERATED FOR PAYMENT AS SEPARATE ITEMS, BUT WHICH ARE REASONABLY REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS, ARE CONSIDERED SUBSIDIARY OBLIGATIONS OF THE CONTRACTOR, NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR THEM.

9. LAYING OF DUCTILE IRON PIPE AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE DRAWINGS, CITY OF RICHMOND TECHNICAL SPECIFICATIONS, THE VDOT ROAD AND BRIDGE SPECIFICATIONS, AND AWWA C-600, LATEST EDITION.

10. PIPE ALIGNMENT SHOWN IS BASED ON STANDARD FITTINGS AVAILABLE FOR DUCTILE IRON. PIPE DEFLECTION SHALL NOT EXCEED 50 PERCENT OF MANUFACTURER'S RECOMMENDED DEFLECTION AND THAT RECOMMENDED BY THE AWWA.

11. CONTRACTOR SHALL ADJUST PIPELINE ALIGNMENT AND DEFLECT JOINTS AS NECESSARY TO ACCOMMODATE THE STANDARD BENDS SHOWN.

12. RESTRAINED PIPE JOINTS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS. IF A BEND OR FITTING IS RELOCATED BY THE CONTRACTOR FOR THEIR CONVENIENCE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE REQUIRED LENGTH OF RESTRAINED JOINTS SHALL BE INSTALLED AS SHOWN IN THE RESTRAINT TABLE ON SHEET 10(2A), AT NO ADDITIONAL COST TO THE PROJECT. IF ADDITIONAL BENDS OR FITTINGS ARE INSTALLED BY THE CONTRACTOR FOR THEIR CONVENIENCE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND INSTALL THE REQUIRED LENGTH OF RESTRAINED JOINTS AS SHOWN IN THE RESTRAINT TABLE ON SHEET 10(2A), AT NO ADDITIONAL COST TO THE PROJECT.

13. MINIMUM DEPTH OF COVER FOR WATER MAIN SHALL BE 42 INCHES WITH A MINIMUM 18 INCH SEPARATION BETWEEN THE WATER MAIN AND ALL OTHER UTILITIES, UNLESS OTHERWISE SHOWN OR SPECIFIED.

14. THE CONTRACTOR SHALL NOT INSTALL WATER MAIN JOINTS BENEATH EXISTING UTILITY LINES OR STORM DRAIN PIPES, WATER MAIN JOINTS SHALL BE PLACED AT THE MAXIMUM POSSIBLE DISTANCE FROM THE OUTER WALL OF THE FOREIGN PIPE OR UTILITY. A MINIMUM OF 2 FEET BEYOND THE OUTSIDE OF THE FOREIGN PIPE OR UTILITY SHALL BE REQUIRED WHEN PLACING JOINTS, UNLESS OTHERWISE DIRECTED BY THE OWNER OR THE ENGINEER.

15. THE CONTRACTOR SHALL RESTORE GRADE TO PRE-CONSTRUCTION CONDITION UNLESS OTHERWISE NOTED ON THE DRAWINGS.

16. THE CONTRACTOR SHALL PROVIDE A MEANS TO KEEP ALL NEW PIPING COMPLETELY ISOLATED FROM EXISTING PIPING UNTIL ALL NEW PIPING HAS BEEN TESTED, DISINFECTED AND ACCEPTED FOR SERVICE BY THE CITY OF RICHMOND.

17. THE CONTRACTOR SHALL RESTORE THE WATER MAIN TRENCH IN ACCORDANCE WITH THE TRENCH DETAILS OR AS DIRECTED BY THE OWNER AT THE END OF EACH WORK DAY.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EQUIPMENT, MATERIAL AND GENERAL CONSTRUCTION DEBRIS FROM THE SITE, STREET, PUBLIC RIGHT OF WAY WAY OR PROPERTY THEREIN OR ADJACENT THERETO. DUMPING OF SUCH DEBRIS INTO SEWERS, ONTO ADJACENT PROPERTY OR ONTO OTHER LAND IN THE CITY IS PROHIBITED.

19. STOCKPILE LOCATIONS AND LAYDOWN AREAS SHALL NOT BE LOCATED WITHIN THE "CLEAR ZONE" AS DEFINED IN THE AASHTO ROADSIDE DESIGN GUIDE. CONSTRUCTION ENTRANCES SHALL BE PLACED AS NEEDED BY THE CONTRACTOR.

20. THE CONTRACTOR SHALL NOT PARK EQUIPMENT IN THE RIGHT OF WAY OVERNIGHT OR ON WEEKENDS WITHOUT PRIOR PERMISSION FROM THE CITY OF RICHMOND.

21. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMITS OF THE PUBLIC RIGHT OF WAY AND CITY OF RICHMOND PUBLIC UTILITY EASEMENTS, UNLESS OTHER AGREEMENTS BETWEEN THE CONTRACTOR AND PRIVATE LAND OWNER(S) ARE ESTABLISHED. THE CONTRACTOR SHALL PROVIDE THE CITY AND ENGINEER WITH A COPY OF ALL FINAL AGREEMENTS FOR THE USE OF PRIVATE LAND(S).

22. VEHICULAR INGRESS AND EGRESS FOR PROPERTIES ALONG THE AFFECTED RIGHT OF WAY, INCLUDING BUT NOT LIMITED TO MAIL AND PARCEL DELIVERY, SCHOOL BUSES, REFUSE COLLECTION, POLICE, FIRE AND OTHER EMERGENCY VEHICLES, ETC., SHALL BE MAINTAINED AT ALL TIMES.

23. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE DRAWINGS.

24. EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF OFF-SITE. A SOIL AND EROSION CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR AND APPROVED FOR THE DISPOSAL SITE(S).

25. FINAL INSPECTION SHALL BE REQUIRED BY THE CITY OF RICHMOND PRIOR TO ACCEPTANCE OF THE PROJECT.

26. THE CONTRACTOR SHALL RESTORE THE WATER MAIN TRENCH IN ACCORDANCE WITH THE TRENCH DETAIL FOR PAVED AREAS, THE VDOT ROAD AND BRIDGE SPECIFICATIONS, AND AS DIRECTED BY THE CITY. PAVEMENT REMOVAL AND RESTORATION FOR INSTALLATION OF THE WATER MAIN AND ASSOCIATED APPURTENANCES SHALL NOT BE MEASURED FOR SEPARATE PAYMENT AND SHOULD BE CONSIDERED INCIDENTAL TO THE WATER MAIN PAY ITEMS.

27. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PAVED OR GRAVEL DRIVEWAYS, CURB AND GUTTER, AND CONCRETE APRONS DAMAGED DURING CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE CITY OF RICHMOND PUBLIC WORKS DEPARTMENT REQUIREMENTS.

28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED FOR WATER MAIN INSTALLATION.

29. ALL BILLBOARDS, MAILBOXES, LANDSCAPING, STORM DRAINS AND FENCING AFFECTED BY THE WATER MAIN INSTALLATION TO REMAIN AFTER PROJECT COMPLETION SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE TO THE COMPLETE SATISFACTION OF THE CITY OF RICHMOND. ALL SHALL BE REPLACED DAILY.

30. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING CONSTRUCTION.

31. THE CONTRACTOR SHALL RESTORE ALL SHOULDERS AND DITCHES TO ORIGINAL CONDITION OR BETTER.

32. ALL TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH THE CITY OF RICHMOND TECHNICAL SPECIFICATIONS AND THE CURRENT EDITION OF THE VDOT ROAD AND BRIDGE SPECIFICATIONS.

33. ALL ROADWAYS SHALL BE KEPT FREE OF MUD AND DEBRIS AND SHALL BE CLEANED AT THE END OF EACH WORK DAY.

34. HYDROSTATIC PRESSURE TESTING, LEAKAGE TESTING, DISINFECTION AND BACTERIOLOGICAL TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF RICHMOND TECHNICAL SPECIFICATIONS.

37. PAVEMENT RESTORATION LIMITS ARE SHOWN IN THE TRENCH DETAIL FOR PAVED AREAS, DAMAGE TO EXISTING PAVEMENT AREAS OUTSIDE THE LIMITS SHOWN IN THE DETAILS WILL BE RESTORED BY THE CONTRACTOR BY PAVEMENT REPLACEMENT REPAIR FOLLOWED BY MILLING AND OVERLAYING AT NO ADDITIONAL COST TO THE PROJECT.

38. THE CONTRACTOR SHALL COMPLY WITH THE TERMS OF THE "UNDERGROUND UTILITY DAMAGE PREVENTION ACT" TITLE 56, CHAPTER 10.3, SECTIONS 56-265.14 THROUGH 56-265.29 OF THE CODE OF VIRGINIA, AS AMENDED, PRIOR TO DOING ANY EXCAVATION TO ENSURE THAT NO DAMAGE WILL BE DONE TO EXISTING UNDEGROUND FACILITIES AND AGREES TO HOLD THE CITY OF SUFFOLK AND THE ENGINEER HARMLESS AGAINST ANY LOSS, DAMAGES, OR CLAIMS OF ANY NATURE WHATSOEVER ARISING OUT OF THE CONTRACTOR'S FAILURE TO SO COMPLY WITH THE REQUIREMENTS OF SAID ACT. WHERE UNDERGROUND FACILITIES ARE ENCOUNTERED, THEY SHALL BE PROTECTED, EVEN TO THE EXTENT THAT HAND EXCAVATION SHALL BE PERFORMED.

39. CONFORM TO THE "OVERHEAD HIGH VOLTAGE LINES SAFETY ACT" SECTION 59.1-406, ET. SEC. OF THE CODE OF VIRGINIA) AND SHALL CONTACT THE NECESSARY AUTHORITIES PRIOR TO START OF CONSTRUCTION.

40. MECHANICAL JOINT CAPS/PLUGS SHALL BE PLACED ON ALL PARTIALLY COMPLETED WATER MAINS DURING CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL FINAL COMPLETION OF THE WATER MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTRAINT OF TEMPORARY BUTTRESSING AND RESTRAINT OF THE EXISTING WATER MAIN AGAINST THE SYSTEM PRESSURE PRIOR TO RESTORING PRESSURE AND DURING SYSTEM START UP UNTIL FINAL BACKFILL IS PLACED AND COMPACTED.

41. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS REQUIRED FOR WATER MAIN CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

42. INSTALL VALVES WITH THE OPERATOR STEM IN THE VERTICAL PLANE THROUGH THE PIPE AXIS AND PERPENDICULAR TO THE PIPE AXIS. LOCATE VALVES AS SHOWN ON THE DRAWINGS. USE OF APPROVED RETAINER GLANDS ON ALL VALVES IS REQUIRED.

43. THE CONTRACTOR SHALL CONTACT THE RICHMOND DEPARTMENT OF UTILITIES (804-646-4646) AND "MISS UTILITY" OF VIRGINIA (DIAL 811) 48 HOURS PRIOR TO COMMENCEMENT OF WORK.

44. THE CONTRACTOR SHALL RECORD AND PROVIDE TO THE ENGINEER ACTUAL GROUND AND TOP OF PIPE ELEVATIONS AT ALL FITTINGS, BLOW-OFF AND AIR RELEASE VALVES, CONNECTION POINTS AND HORIZONTAL DEVIATIONS GREATER THAN 2-FOOT FROM THE PROPOSED UTILITY ADJUSTMENT PLANS. THE CONTRACTOR SHALL ALSO PROVIDE ACTUAL STATIONS AND OFFSETS OF ALL FITTINGS, BLOW-OFF AND AIR RELEASE VALVES, CONNECTION POINTS AND HORIZONTAL DEVIATION GREATER THAN 2-FOOT FROM THE PROPOSED UTILITY ADJUSTMENT PLANS, TIED TO THE CONSTRUCTION CENTERLINE FOR THE ROADWAY IMPROVEMENT WITHIN FIVE (5) DAYS OF COMPLETION OF THE UTILITY ADJUSTMENTS.

45. MINIMUM WORK ZONE CLEAR ZONE:

HEY ROAD:	4'
WALMSLEY BLVD:	8'
HULL STREET:	8'
ALL MINOR STREETS:	4'

ABBREVIATIONS

%	PERCENT	INV	INVERT
&	AND	LF	LINEAR FOOT
°	DEGREE	LOD	LIMITS OF DISTURBANCE
'	FEET	MIN	MINIMUM
"	INCHES	MJ	MECHANICAL JOINT
AWWA	AMERICAN WATER WORK ASSOCIATION	N	NORTHING
		NAVD	NORTH AMERICAN VERTICAL DATUM
BLVD	BOULEVARD		
BM	BASE MIX	OD	OUTSIDE DIAMETER
CATV	CABLE TELEVISION	PROP	PROPOSED
CBR	CALIFORNIA BEARING RATIO	PSI	POUNDS PER SQUARE INCH
CLEAR	CLEARANCE	PVC	POLY VINYL CHLORIDE PIPE
COMM	COMMUNICATION	R	RIGHT or RADIUS
DI	DUCTILE IRON	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RD	ROAD
DPU	DEPARTMENT OF PUBLIC UTILITIES	REQ'D	REQUIRED
		R/W or ROW	RIGHT-OF-WAY
E	EASTING	STA	STATION
EXIST or EX	EXISTING	TH	TEST HOLE
EL or ELEV	ELEVATION	UG	UNDERGROUND
ELECT or ELEC	ELECTRIC	UNK or UNKN	UNKNOWN
FT	FOOT or FEET	VA	VIRGINIA
FM	FORCE MAIN(SEWER)	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
FO	FIBER OPTIC		
HORIZ	HORIZONTAL	VERT	VERTICAL

RW PLANS

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

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HEY ROAD IMPROVEMENTS

UTILITY NOTES

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

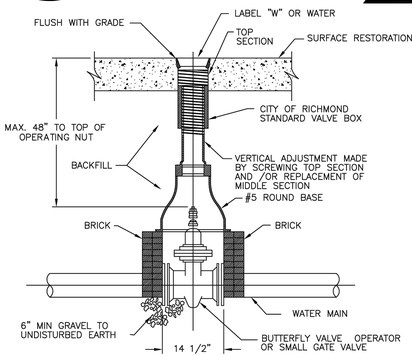
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: JHM DRAWN BY: CHECKED BY: RCM	REVIEWED BY XXX		SCALE	DATE 10/05/2023	SHEET 10(1)	DRAWING NO. 0-28888

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY NOTES & DETAILS.dwg 10(1) UTILITY NOTES Dec 19, 2025 7:20pm by: Zachary.Santy
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Drawing name: K:\RIC_TP1\C\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY NOTES & DETAILS.dwg 10(2A) UTILITY DETAILS Dec 19, 2025 7:20pm by: Zachary.Santy
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DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA



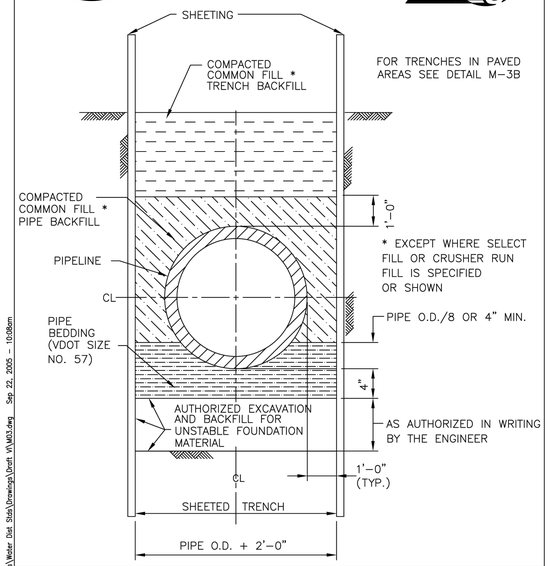
NOTES:

1. PROVIDE EXTENSION STEM IF TOP OF VALVE OPERATING NUT IS GREATER THAN 48" BELOW GROUND SURFACE
2. PROVIDE MIDDLE SECTION TO EXTEND FOR DEEP BOXES
3. ADJUST BOX TOP FOR STREET PAVEMENT OVERLAY, IF OVERLAY IS PERFORMED
4. IN GRASS AREAS PROVIDE 1'–6" SQ. x 4" THICK CONC. PAD AROUND TOP OF VALVE BOX

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DRAWN X DATE 6/28/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA SMALL VALVE BOX	DPU DWG. NUMBER: M–1

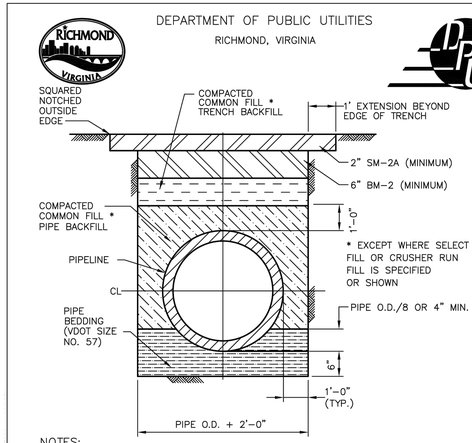
DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA



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DRAWN X DATE 6/28/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA TRENCH AND PIPE BEDDING FOR DUCTILE IRON PIPE 12" DIA. AND SMALLER–SHEETED TRENCH	DPU DWG. NUMBER: M–3

DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA



NOTES:

1. CUTS SHALL BE AS CLEAN AND STRAIGHT AS POSSIBLE, WITH NO OUTLINE DIMENSIONS LESS THAN 3 FEET WITHOUT SPECIAL APPROVAL OF THE DEPARTMENT'S INSPECTOR.
2. ALL ASPHALT PAVEMENT RESTORATION THICKNESS SHALL BE 1 1/2 TIMES THE EXISTING SECTION OR A MINIMUM OF 8–INCHES WHICHEVER IS GREATER. SEE THE DPW TRENCH RESTORATION ILLUSTRATION FOR THE TYPICAL CONFORMANCE STANDARDS.
3. THE FINAL RESTORATION ON OPEN TRENCH CUTS REQUIRES THE DISTURBED ASPHALT PAVEMENT ZONE TO BE A SQUARE POINTED OFF AND STRAIGHT LINE. THE AREA OF PAVEMENT RESTORATION IS TO BE FULLY ENVELOPED BY THE FINAL SURFACE COURSE REPAIRS. THE ADJOINING SURFACE/TOP COURSE LAYER IS TO BE OVER–MILLED A MINIMUM DEPTH OF 1.25 INCHES OR MORE, A MINIMUM DISTANCE OF ONE FOOT BEYOND EACH SIDE OF THE TRENCH WALL.
4. WHERE A SLURRY SEAL OR OTHER MICROSURFACE COATING IS THE FINISH SURFACE COURSE, A RE–TREATMENT APPLICATION IS REQUIRED.

DRAWN X DATE 6/28/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA PAVEMENT RESTORATION FOR PIPE TRENCHES	DPU DWG. NUMBER: M–3B

DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA
THRUST RESTRAINT TABLE

RESTRAINED JOINT LENGTH

Dead End	8"		12"		16"		Tee*		Reducer	
	Bare	Polywrap	Bare	Polywrap	Bare	Polywrap	Bare	Polywrap	Bare	Polywrap
	78'	111'	112'	160'	146'	209'	–	–	–	–
11.25° HB	3'	4'	5'	5'	6'	7'	–	–	–	–
22.5° HB	7'	8'	10'	11'	13'	14'	–	–	–	–
45° HB	14'	16'	20'	22'	26'	29'	–	–	–	–
90° HB	34'	38'	49'	54'	63'	70'	–	–	–	–
11.25° VB (down)	11'	16'	16'	23'	21'	29'	–	–	–	–
22.5° VB (down)	22'	32'	32'	46'	41'	59'	–	–	–	–
45° VB (down)	46'	66'	67'	95'	86'	123'	–	–	–	–
11.25° VB (up)	3'	4'	5'	5'	6'	7'	–	–	–	–
22.5° VB (up)	7'	8'	10'	11'	13'	14'	–	–	–	–
45° VB (up)	14'	16'	20'	22'	26'	29'	–	–	–	–
12"x8" Tee	–	–	–	–	–	–	66'	94'		
8"x 8" Tee	–	–	–	–	–	–	65'	93'	–	–
12"x12" Tee	–	–	–	–	–	–	104'	149'	–	–
16"x8" Tee	–	–	–	–	–	–	62'	89'	–	–
16"x12" Tee	–	–	–	–	–	–	95'	136'	–	–
16"x16" Tee	–	–	–	–	–	–	133'	130'	–	–
8"x6" Reducer	–	–	–	–	–	–	–	–	33'	46'
12"x8" Reducer	–	–	–	–	–	–	–	–	59'	85'
12"x10" Reducer	–	–	–	–	–	–	–	–	33'	47'
16"x12" Reducer	–	–	–	–	–	–	–	–	62'	89'

NOTES:

1. RESTRAINED JOINTS ARE BASED ON THE FOLLOWING LAYERING CONDITIONS:

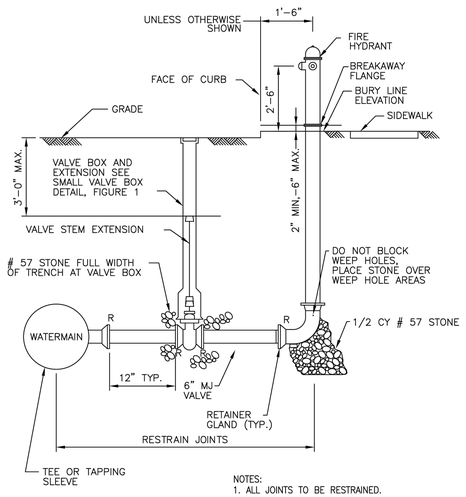
   Restrained Joints Based on:
   Laying Condition: Type 5
   Soil Condition: Coh–gram
   Depth of Cover: 3.5 ft.
   Design Pressure: 250 psi
   Safety Factor: 1.5

2. RESTRAINED JOINT LENGTHS ARE TO BE CONFIRMED BY ENGINNER BASED ON PROJECT CONDITIONS.

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DRAWN X DATE 6/28/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA RESTRAINED JOINT TABLE	DPU DWG. NUMBER: M–5A

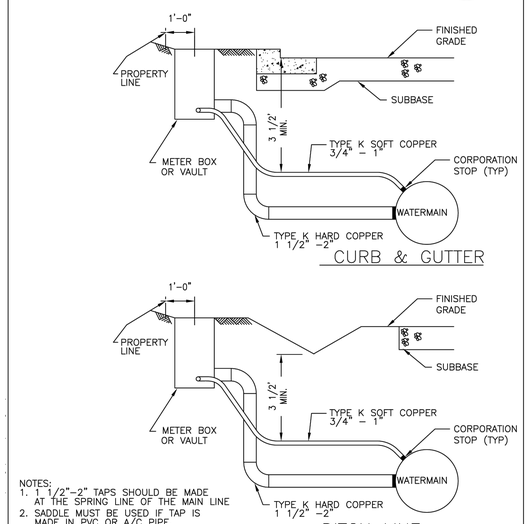
DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA



NOTES:
1. ALL JOINTS TO BE RESTRAINED.
2. IN GRASS AREAS PROVIDE 1'–6" SQ. x 4" THICK CONC. PAD AROUND TOP OF VALVE BOX.

DRAWN X DATE 6/29–04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA FIRE HYDRANT DETAIL	DPU DWG. NUMBER: M–11

DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA



NOTES:
1. 1 1/2"–2" TAPS SHOULD BE MADE AT THE SPRING LINE OF THE MAIN LINE
2. SADDLE MUST BE USED IF TAP IS MADE IN PVC OR A/C PIPE.

DRAWN X DATE 6/029/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA WATER SERVICE CONNECTION	DPU DWG. NUMBER: M–18

RW PLANS

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HEY ROAD IMPROVEMENTS

UTILITY DETAILS

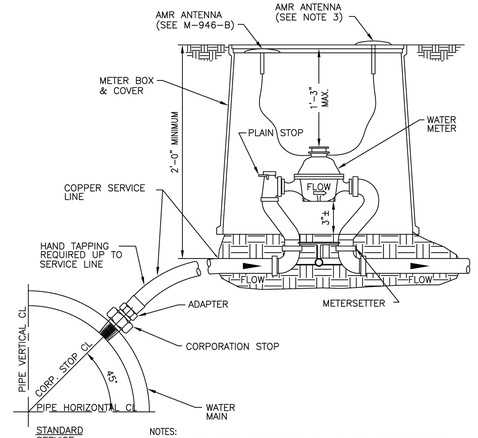
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000–127–R31, P101, RW201, C501

DESIGN BY: JHM DRAWN BY: CHECKED BY: RCM	REVIEWED BY XXX		SCALE	DATE 10/05/2023	SHEET 10(2A)	DRAWING NO. 0–28888

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY NOTES & DETAILS.dwg 10(2B) UTILITY DETAILS Dec 19, 2025 7:20pm by: Zachary.Santy
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DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA

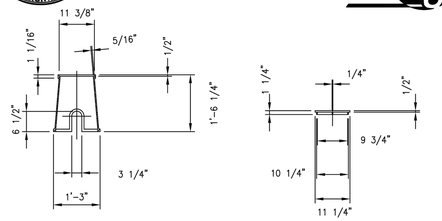


STANDARD SERVICE CONNECTION

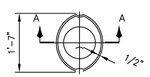
NOTES:
1. ALL WATER METERS TO BE FURNISHED AND INSTALLED BY THE CITY.
2. METER SETTERS SHALL BE PROVIDED FOR 5/8" AND 1" METERS. EACH END SHALL HAVE REMOVABLE PACK JOINTS SUITABLE FOR COPPER OR POLYETHYLENE PIPE. ALL METER SETTERS SHALL HAVE SADDLE NUTS, PADLOCK WINGS AND SHALL BE SIMILAR TO FORD OR MUELLER.
3. FOR EXISTING VALVE BOX LOCATIONS, EXISTING VALVE BOX COVER CAN BE DRILLED WITH 1.817" CORE FOR PLACEMENT OF AMR ANTENNA.

DRAWN X DATE 6/29/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA STANDARD METER BOX INSTALLATION FOR 5/8" AND 1" SERVICES	DPU DWG. NUMBER: M-19

DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA

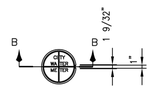


SECTION A-A



PLAN

SECTION B-B

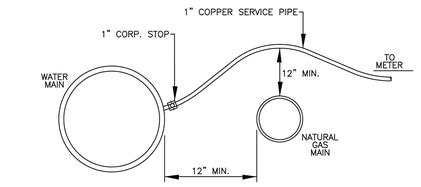


TOP PLAN

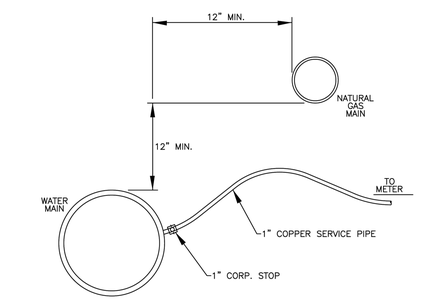
NOTES:
1. STANDARD WATER METER BOX AND TOP ℁uSHALL MEET ASTM SPECIFICATION A-48 (LATEST EDITION). MINIMUM REQUIREMENTS, CLASS 25, NOT LESS THAN 20% NEW PIG & 80% SCRAP. ALL CASTINGS SHALL BE CAST IN BEST FOUNDRY PRACTICE.
2. CASTINGS SHALL BE SMOOTH, FREE FROM SCALES, BLISTERS, LUMPS, SAND HOLES, AND DEFECTS OF EVERY NATURE. NO PLUGGING, FILLING, BURNING IN OR WELDING WILL BE ALLOWED.
3. FOR PLACEMENT OF AMR ANTENNA IN AN EXISTING VALVE BOX COVER, DRILL A 1.817" HOLE FOR PLACEMENT OF AMR DEVICE.

DRAWN X DATE 6/29/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA WATER METER BOX AND TOP	DPU DWG. NUMBER: M-20

DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA



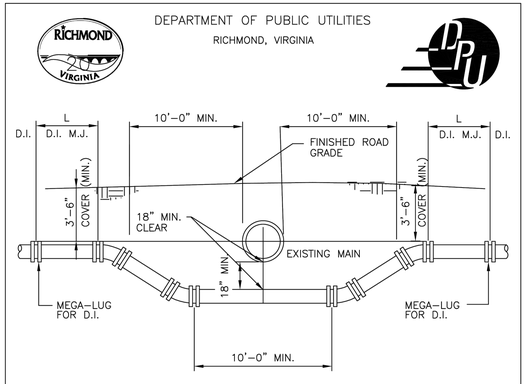
CONDITION 1



CONDITION 2

DRAWN X DATE 6/22/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA REQUIRMENTS FOR WATER MAIN AND WATER SERVICE SEPARATION FROM GAS MAINS	DPU DWG. NUMBER: M-929

DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA

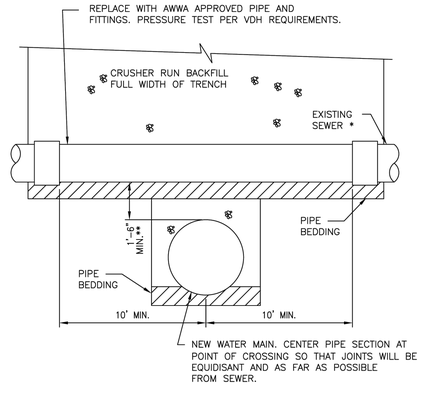


NOTES:

1. LOWERED SECTION TO BE OF DUCTILE IRON MECHANICAL JOINT PIPE WITH RESTRAINED JOINTS AT ANY INCLUDED JOINTS. THE ENGINEER SHALL CALCULATE LENGTH (L) OF RESTRAINED SECTION.
2. THRUST BLOCKS FOR VERTICAL BENDS MAY BE DELETED WITH RESTRAINED JOINTS.
3. VERTICAL BENDS MAY BE ELIMINATED BY USING JOINT DEFLECTIONS. JOINT DEFLECTIONS SHALL NOT EXCEED 1/2 MANUFACTURERS RECOMMENDED DEFLECTION.

DRAWN X DATE 6/29/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA LOWERING WATER MAIN OR NEW CONSTRUCTION	DPU DWG. NUMBER: M-13

DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA

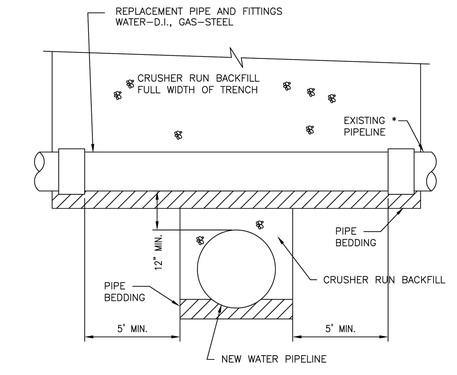


* STORM, SANITARY, OR COMBINED SEWER

** IF LESS THAN 18", ENCASE SEWER IN CONCRETE TO MINIMUM 10' EACH SIDE OF WATER MAIN.

DRAWN X DATE 6/29/04 SCALE NOT TO SCALE CHK'D X	CITY OF RICHMOND, VIRGINIA WATER MAIN CROSSING UNDER SANITARY SEWERS	DPU DWG. NUMBER: M-14

DEPARTMENT OF PUBLIC UTILITIES
RICHMOND, VIRGINIA



* DETAIL APPLIES TO NEW WATERLINE CROSSING ANY OF THE FOLLOWING:
- TRANSITE OR CAST IRON WATER LINE
- CAST IRON GAS LINE

DETAIL DOES NOT APPLY TO WATER/SEWER CROSSINGS.

DRAWN X DATE X SCALE X CHK'D X	CITY OF RICHMOND, VIRGINIA WATER MAIN CROSSING UNDER EXISTING PIPELINES	DPU DWG. NUMBER: M-15

RW PLANS

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

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS

UTILITY DETAILS

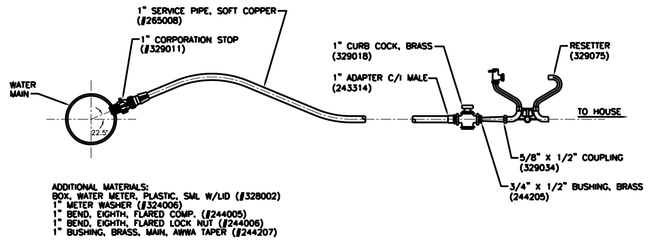
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: JHM DRAWN BY: CHECKED BY: RCM	REVIEWED BY XXX		SCALE	DATE 10/05/2023	SHEET 10(2B)	DRAWING NO. 0-28888

DEPARTMENT OF PUBLIC UTILITIES

RICHMOND, VIRGINIA



ADDITIONAL MATERIALS:
BOX, WATER METER, PLASTIC, SML W/LID (#328002)
1" METER WASHER (#324006)
1" BEND, EIGHTH, FLARED COMP. (#244005)
1" BEND, EIGHTH, FLARED LOCK NUT (#244006)
1" BUSHING, BRASS, MAIN, AWWA TAPER (#244207)

DRAWN _____

CHK'D _____ APPROVED _____

DATE 12/06/2002

SCALE 1" = 1'-0"

TYPICAL WATER SERVICE LINE ASSEMBLY DETAIL

DWG. NUMBER M-902

M:\46339\Dwgout\M-902.dwg 3/18/2004 3:58:05 PM EST

FILE NAME:

RW PLANS

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No.	REVISIONS	DATE	BY

Kimley»Horn

Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS

UTILITY DETAILS

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: JHM	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	XXX			10/05/2023	10(2C)	0-28888
CHECKED BY: RCM						

Drawing name: K:\RIC_TP1\C\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY NOTES & DETAILS.dwg 10(2C) UTILITY DETAILS Dec 19, 2025 7:21pm by: Zachary.Sorty

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9 CY FLOWABLE FILL

BEGIN PROJ. STA. 100+17.40
HEY ROAD CONSTR. ℄

STA. 104+85.26 HEY ROAD CONSTR. ℄
STA. 10+00.00 POCOSHAM DRIVE CONSTR. ℄
Δ = 83°47'3" LT

END CONNECTION
STA. 10+41.15 POCOSHAM DRIVE CONSTR. ℄

STA. 100+00.00 HEY ROAD CONSTR. ℄
STA. 201+45.15 WALMSLEY BLVD. CONSTR. ℄
Δ = 93°26'42" RT

36 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
EXIST. 4" WATER MAIN TO BE ABANDONED IN PLACE. SEE NOTE 1
PROP. TEMP. CONSTR. EASE.
44 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
41 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
PROP. TEMP. CONSTR. EASE.
44 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
PROP. R/W
57 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
673 LF PROP 12" DI WATER MAIN SEE PROFILE SHEET 10(9)
PROP. TEMP. CONSTR. EASE.
CONNECT TO EXIST. 6" A/C WATER MAIN WITH DRESSER COUPLING
6" HORIZONTAL BEND (45 DEGREE)
56 LF PROP 6" DI WATER MAIN SEE PROFILE SHEET 10(11)
6" GATE VALVE & BOX
6" PLUG OR CAP
58 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
PROP. PERM. VERIZON AND DOMINION EASE.
PROP. TEMP. CONSTR. EASE.
56 LF PROP 8" DI WATER MAIN SEE PROFILE SHEET 10(9)
STA:10+00 CONNECT TO EXIST. 8" CI WATER MAIN WITH LONG SOLID SLEEVE
STA:10+40 8" HORIZONTAL BEND (45 DEGREE)
8" PLUG OR CAP
4" PLUG OR CAP
4" PLUG OR CAP WITH THRUST BLOCK
25 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
STA:10+53 8" GATE VALVE & BOX
STA:10+63 12" HORIZONTAL BEND (45 DEGREE)
STA:10+56 12"X8" REDUCER
PROP. TEMP. CONSTR. EASE.
8 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
3 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
PROP. R/W
PROP. PERM. DRAINAGE EASE.
EXIST. 8" WATER MAIN TO BE ABANDONED WITH FLOWABLE FILL. SEE NOTE 1
7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
6 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
PROP. TEMP. CONSTR. EASE.
PROP. TEMP. CONSTR. EASE.
PROP. PERM. DRAINAGE EASE.
PROP. PERM. DOMINION EASE.
EXIST. 6" WATER MAIN TO BE ABANDONED IN PLACE. SEE NOTE 1
STA:14+79 12" GATE VALVE & BOX
STA:14+75 12" BRANCH (12"X6" TEE)
PROP. PERM. DOMINION EASE.
7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE
R/W
PROP. TEMP. CONSTR. EASE.

MATCHLINE HEY ROAD CONSTR. ℄ STA. 107+50 - SEE SHEET 10(4)

NOTES:

1. ALL ABANDONED WATER MAIN NOT REMOVED FOR CONSTRUCTION OF STORM SEWER SHALL BE FILLED WITH FLOWABLE FILL. ALL ABANDONED WATER MAIN 6" AND SMALLER SHALL BE ABANDONED IN PLACE WITH CAPS OR PLUGS INSTALLED AT LOCATIONS WHERE PIPE IS CUT.
2. SEE SHEET 3 FOR UTILITY OWNERS.

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

Survey Alignment Data		ID
Construction Alignment Data		IE
Roadway Plan		3
Roadway Profile		3A
E&S Phase I Plan		3B
E&S Phase II Plan		3C
Entrance Profiles	3D THRU	3E
Utility Profiles	10(9) THRU	10(11)
Communications Plan		11(3)

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
UTILITY ENGINEER

LEGEND

- PROPOSED CONSTRUCTION EASEMENT LIMITS
- PROPOSED PERMANENT EASEMENT LIMITS
- PROPOSED WATER MAIN (PLAN)
- PROPOSED GATE VALVE (PLAN)
- PROPOSED BRANCH – DIAMETERS VARY (PLAN)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PLAN)
- PROPOSED FIRE HYDRANT (PLAN)
- PROPOSED GATE VALVE – DIAMETERS VARY (PROFILE)
- PROPOSED BRANCH – DIAMETERS VARY (PROFILE)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PROFILE)
- REMOVE/ABANDON
- REDUCER

GRAPHIC SCALE IN FEET
0 12.5 25 50

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS
UTILITY PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	10(3)	0-28888
CHECKED BY: JHO						

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY PLAN.dwg 10(3) UTILITY PLAN Dec 19, 2025 7:23pm by: ZacharyLSanty
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MATCHLINE HEY ROAD CONSTR. ℄ STA. 107+50 - SEE SHEET 10(3)

MATCHLINE HEY ROAD CONSTR. ℄ STA. 115+25 - SEE SHEET 10(5)

10 CY FLOWABLE FILL

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

44 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE.

45 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE.

EXIST. 4" WATER MAIN TO BE ABANDONED IN PLACE. SEE NOTE 1

46 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

768 LF PROP 12" DI WATER MAIN SEE PROFILE SHEET 10(9) & 10(10)

EXIST. 8" WATER MAIN TO BE ABANDONED WITH FLOWABLE FILL. SEE NOTE 1

PROP. PERM. DRAINAGE EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

52 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

52 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

PROP. TEMP. CONSTR. EASE.

STA: 23+06 12" GATE VALVE & BOX

7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

6 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

STA: 23+02 (12"X6" TEE)

7 LF PROP 6" DI WATER MAIN 6" GATE VALVE & BOX FIRE HYDRANT SEE PROFILE SHEET 10(11)

EXIST. HYDRANT TO BE REMOVED

6" PLUG OR CAP

EXIST. 6" WATER MAIN TO BE ABANDONED IN PLACE. SEE NOTE 1

EXIST. 8" WATER MAIN TO BE ABANDONED WITH FLOWABLE FILL. SEE NOTE 1

8" PLUG OR CAP

STA: 23+37 (12"X8" TEE)

8" GATE VALVE & BOX

8" HORIZONTAL BEND (45 DEGREE)

37 LF PROP 8" DI WATER MAIN SEE PROFILE SHEET 10(11)

CONNECT TO EXIST. 8" DI WATER MAIN WITH LONG SOLID SLEEVE. RESTRAIN 40 LF OF EXIST. 8" DI WATER MAIN

PROP. PERM. DRAINAGE EASE.

PROP. TEMP. CONSTR. EASE.

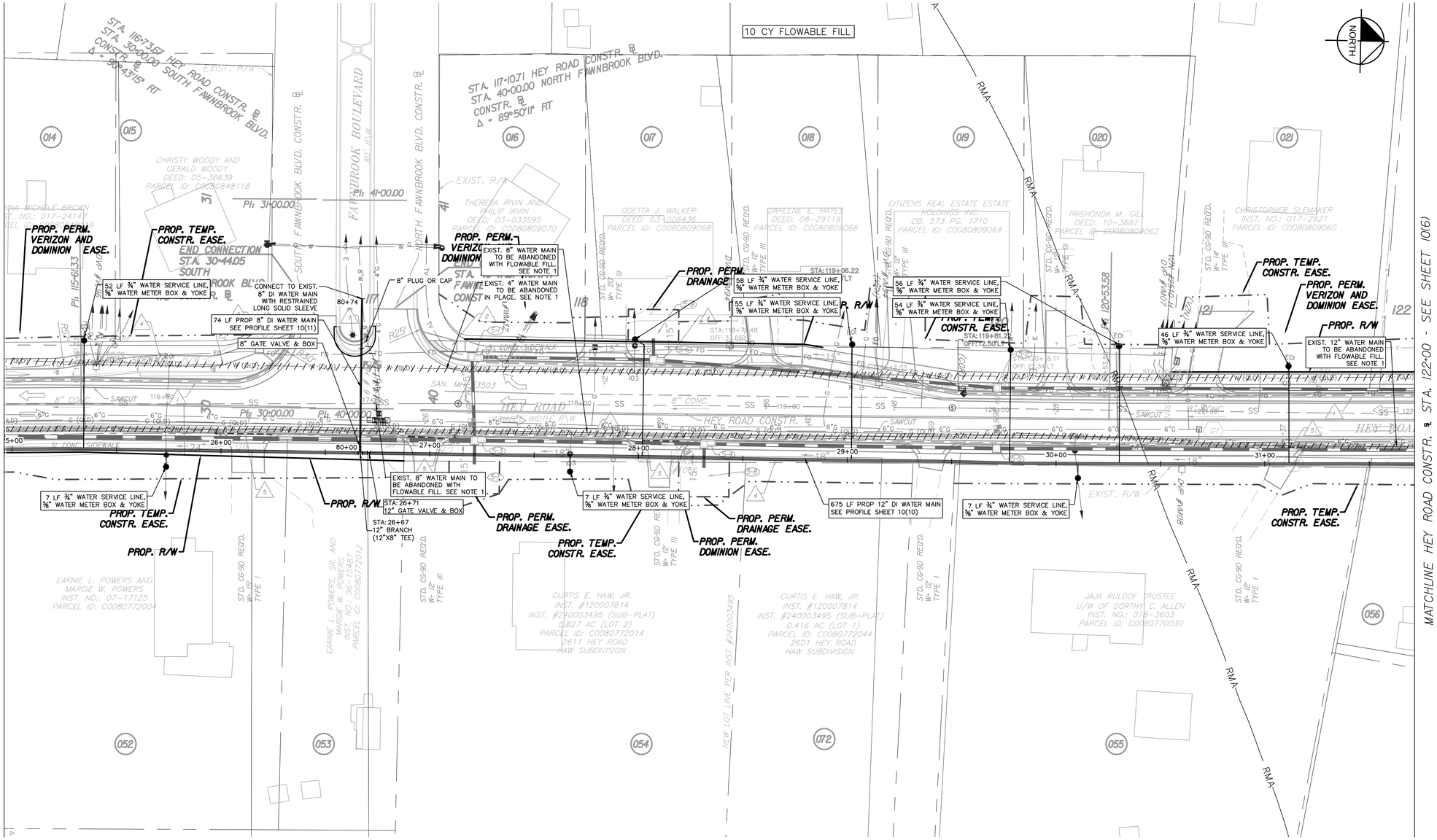
PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. TEMP. CONSTR. EASE.

Drawing name: K:\RIC_TP1\C\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY PLAN.dwg 10(5) UTILITY PLAN Dec 19, 2025 7:24pm by: Zachary.Sorby
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LEGEND

- PROPOSED CONSTRUCTION EASEMENT LIMITS
- PROPOSED PERMANENT EASEMENT LIMITS
- PROPOSED WATER MAIN (PLAN)
- PROPOSED GATE VALVE (PLAN)
- PROPOSED BRANCH – DIAMETERS VARY (PLAN)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PLAN)
- PROPOSED FIRE HYDRANT (PLAN)
- PROPOSED GATE VALVE – DIAMETERS VARY (PROFILE)
- PROPOSED BRANCH – DIAMETERS VARY (PROFILE)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PROFILE)
- REMOVE/ABANDON
- REDUCER

GRAPHIC SCALE IN FEET
0 12.5 25 50

NOTES:

1. ALL ABANDONED WATER MAIN NOT REMOVED FOR CONSTRUCTION OF STORM SEWER SHALL BE FILLED WITH FLOWABLE FILL. ALL ABANDONED WATER MAIN 6" AND SMALLER SHALL BE ABANDONED IN PLACE WITH CAPS OR PLUGS INSTALLED AT LOCATIONS WHERE PIPE IS CUT.
2. SEE SHEET 3 FOR UTILITY OWNERS.

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

Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway Plan	5
Roadway Profile	5A
E&S Phase I Plan	5B
E&S Phase II Plan	5C
Entrance Profiles	5D THRU 5E
Utility Profiles	10(9) THRU 10(11)
Communications Plan	11(5)

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
UTILITY ENGINEER

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS
UTILITY PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	10(5)	0-28888
CHECKED BY: JHO						

Drawing name: K:\RIC_TP1\01\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY PLAN.dwg 10(6) UTILITY PLAN Dec 19, 2025 7:25pm by: Zachary.Sarty
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MATCHLINE HEY ROAD CONSTR. ℄ STA. 122+00 - SEE SHEET 10(5)

MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 10(7)

9 CY FLOWABLE FILL

STA. 128+98.16 HEY ROAD CONSTR. ℄
STA. 70+00.00 NESTLE AVENUE CONSTR. ℄
Δ = 83°53'7" LT

END CONNECTION
STA. 70+53.85 NESTLE AVE. CONSTR. ℄

PI: 71+00.00

PROP. TEMP. CONSTR. EASE.

48 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

EXIST. HYDRANT TO BE REMOVED & 6" MAIN TO BE ABANDONED IN PLACE

358 LF PROP 12" DI WATER MAIN SEE PROFILE SHEET 10(10)

PROP. R/W

EXIST. 4" WATER MAIN TO BE ABANDONED IN PLACE. SEE NOTE 1

STA: 33+47
12" HORIZONTAL BEND (22.5 DEGREE)

4" PLUG OR CAP

44 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

51 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

EXIST. 12" WATER MAIN TO BE ABANDONED WITH FLOWABLE FILL. SEE NOTE 1

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

12" PLUG OR CAP

29 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

STA: 35+30
CONNECT TO EXIST. 12" DI WATER MAIN WITH RESTRAINED LONG SOLID SLEEVE

PROP. PERM. DRAINAGE EASE.

33 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

PROP. TEMP. CONSTR. EASE.

STA: 129+71.27
OFF: 23.47' LT

PROP. R/W

PROP. TEMP. CONSTR. EASE.

STA: 32+76
12" HORIZONTAL BEND (22.5 DEGREE)

STA: 32+86
12" HORIZONTAL BEND (22.5 DEGREE)

STA: 32+91
12" BRANCH (12"X6" TEE)

10 LF PROP 6" DI WATER MAIN
6" GATE VALVE & BOX
FIRE HYDRANT
SEE PROFILE SHEET 10(11)

STA: 33+27
12" GATE VALVE & BOX

STA: 33+33
12" BRANCH (12"X4" TEE)

STA: 33+37
12" HORIZONTAL BEND (22.5 DEGREE)

4" GATE VALVE & BOX

4" HORIZONTAL BEND (11.25 DEGREE)

45 LF PROP 4" DI WATER MAIN
SEE PROFILE SHEET 10(11)

END CONNECT TO EXIST. 4" WATER MAIN
STA. 50+33.65 MAST DRIVE CONSTR. ℄

PROP. PERM. DOMINION EASE.

7 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

STA: 34+79
12" HORIZONTAL BEND (45 DEGREE)

PROP. PERM. DOMINION EASE.

STA: 34+62
12" HORIZONTAL BEND (45 DEGREE)

19 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

END CONNECTION
STA. 126+43.10
OFF: 61.04' RT

16 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

PROP. R/W

PROP. TEMP. CONSTR. EASE.

20 LF ¾" WATER SERVICE LINE, ⅝" WATER METER BOX & YOKE

PROP. PERM. DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. TEMP. CONSTR. EASE.

STA 123+47.63 HEY ROAD CONSTR. ℄
STA. 50+00.00 MAST DRIVE CONSTR. ℄
Δ = 100°44'4" RT

STA 126+72.69 HEY ROAD CONSTR. ℄
STA. 60+00.00 ADLER ROAD CONSTR. ℄
Δ = 100°44'11" RT

PI: 61+00.00

PI: 70+00.00

PI: 51+00.00

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC)		
Survey Alignment Data		ID
Construction Alignment Data		IE
Roadway Plan		6
Roadway Profile		6A
E&S Phase I Plan		6B
E&S Phase II Plan		6C
Entrance Profiles	6D THRU	6E
Utility Profiles	10(9) THRU	10(11)
Communications Plan		11(6)

NOTES:

1. ALL ABANDONED WATER MAIN NOT REMOVED FOR CONSTRUCTION OF STORM SEWER SHALL BE FILLED WITH FLOWABLE FILL ALL ABANDONED WATER MAIN 6" AND SMALLER SHALL BE ABANDONED IN PLACE WITH CAPS OR PLUGS INSTALLED AT LOCATIONS WHERE PIPE IS CUT.
2. SEE SHEET 3 FOR UTILITY OWNERS.

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
UTILITY ENGINEER

LEGEND

- PROPOSED CONSTRUCTION EASEMENT LIMITS
- PROPOSED PERMANENT EASEMENT LIMITS
- PROPOSED WATER MAIN (PLAN)
- PROPOSED GATE VALVE (PLAN)
- PROPOSED BRANCH – DIAMETERS VARY (PLAN)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PLAN)
- PROPOSED FIRE HYDRANT (PLAN)
- PROPOSED GATE VALVE – DIAMETERS VARY (PROFILE)
- PROPOSED BRANCH – DIAMETERS VARY (PROFILE)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PROFILE)
- REMOVE/ABANDON
- REDUCER

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
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RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
UTILITY PLAN

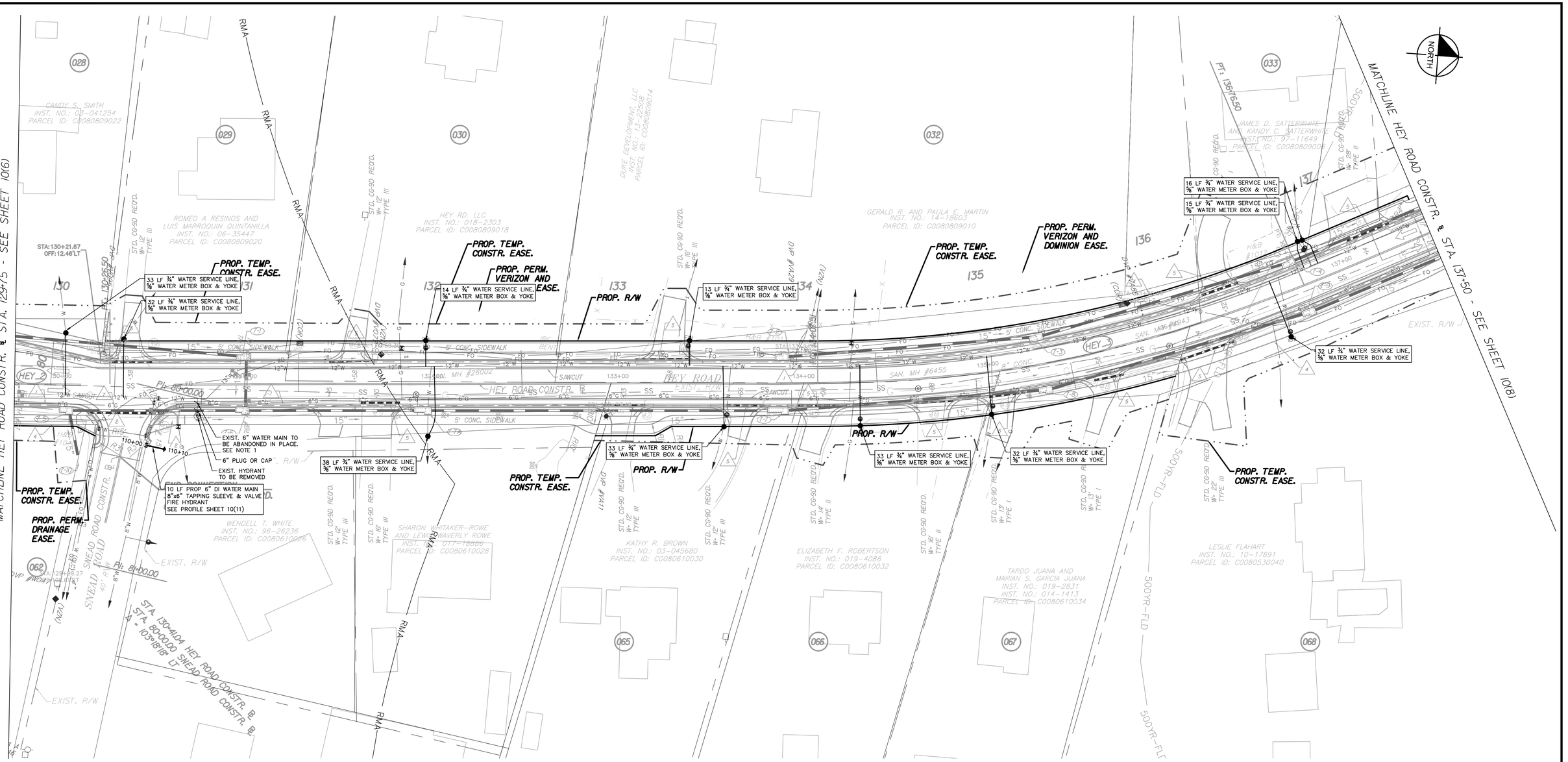
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	10(6)	0-28888
CHECKED BY: JHO						

No.	REVISIONS	DATE	BY

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER



NOTES:

1. ALL ABANDONED WATER MAIN NOT REMOVED FOR CONSTRUCTION OF STORM SEWER SHALL BE FILLED WITH FLOWABLE FILL. ALL ABANDONED WATER MAIN 6" AND SMALLER SHALL BE ABANDONED IN PLACE WITH CAPS OR PLUGS INSTALLED AT LOCATIONS WHERE PIPE IS CUT.
2. SEE SHEET 3 FOR UTILITY OWNERS.

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

Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway Plan	7
Roadway Profile	7A
E&S Phase I Plan	7B
E&S Phase II Plan	7C
Entrance Profiles	7D THRU 7E
Utility Profiles	10(9) THRU 10(11)
Communications Plan	11(7)

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
UTILITY ENGINEER

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- PROPOSED PERMANENT EASEMENT LIMITS
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- PROPOSED GATE VALVE – DIAMETERS VARY (PROFILE)
- PROPOSED BRANCH – DIAMETERS VARY (PROFILE)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PROFILE)
- REMOVE/ABANDON
- REDUCER

GRAPHIC SCALE IN FEET
0 12.5 25 50

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS UTILITY PLAN

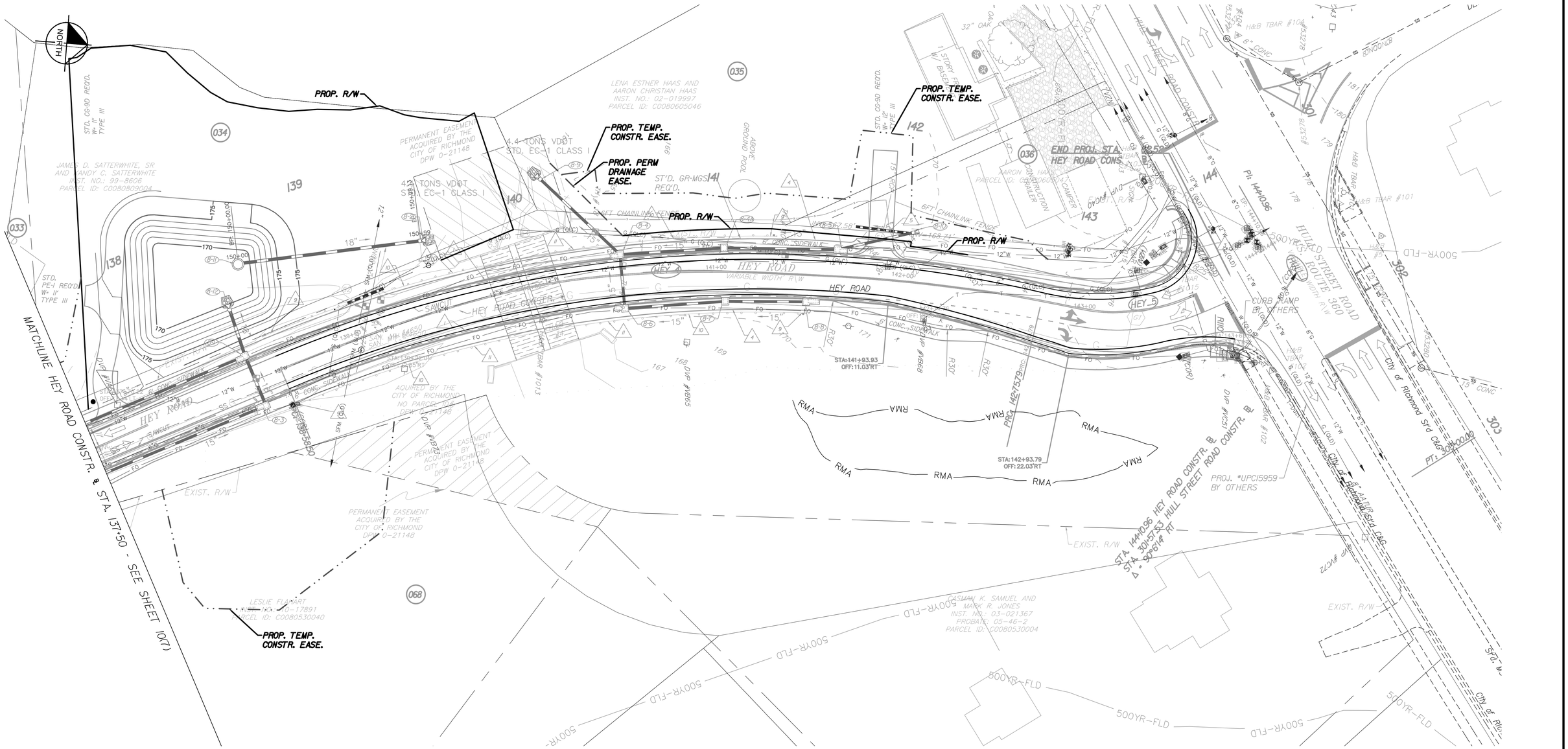
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

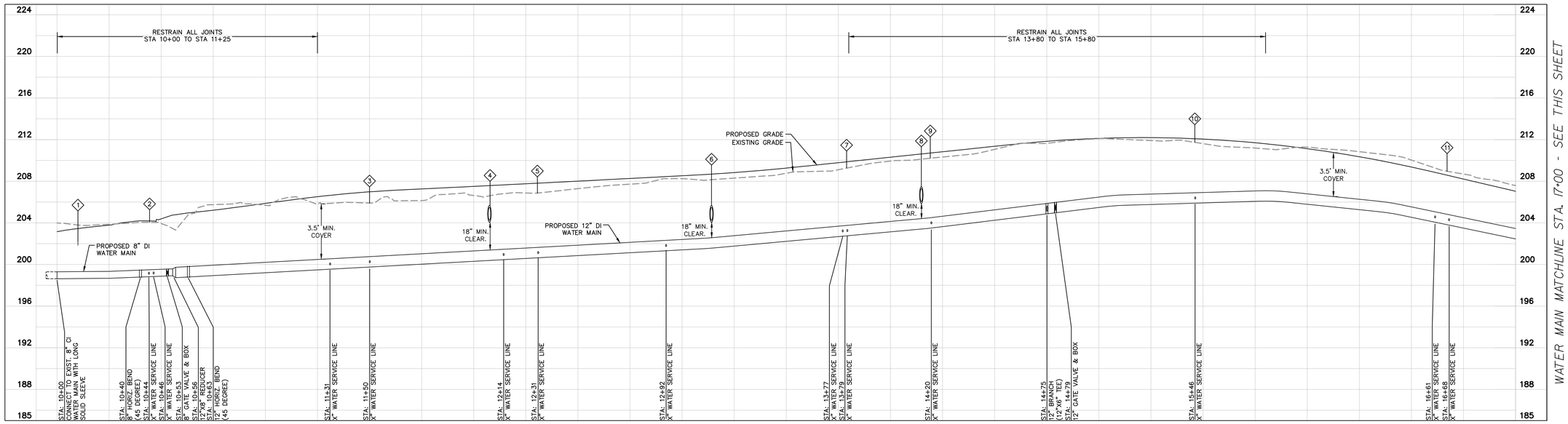
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	10(7)	0-28888
CHECKED BY: JHO						

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY PLAN.dwg 10(7) UTILITY PLAN Dec 19, 2025 7:25pm by: Zachary.Sorby
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NORTH
PROP. R/W
PROP. TEMP. CONSTR. EASE.
PROP. PERM DRAINAGE EASE.
PROP. TEMP. CONSTR. EASE.
PROP. R/W
PROP. R/W
PROP. TEMP. CONSTR. EASE.
ST'D. GR-MGS REQ'D.
4.4 TONS VDOT STD. EC-1 CLASS I
4.4 TONS VDOT STD. EC-1 CLASS I
STD. CG-9D REQ'D. W= 11' TYPE III
STD. PE-1 REQ'D W= 11' TYPE III
STD. CG-9D REQ'D. W= 12' TYPE III
JAMES D. SATTERWHITE, SR AND SANDY C. SATTERWHITE INST. NO.: 99-8606 PARCEL ID: C0080809004
LENA ESTHER HAAS AND AARON CHRISTIAN HAAS INST. NO.: 02-019997 PARCEL ID: C0080605046
LESLIE FLAMART INST. NO.: 10-17891 PARCEL ID: C0080530040
JASMAN K. SAMUEL AND MARK R. JONES INST. NO.: 03-021367 PROBATE: 05-46-2 PARCEL ID: C0080530004
AARON CHRISTIAN HAAS PARCEL ID: C0080605046
PERMANENT EASEMENT ACQUIRED BY THE CITY OF RICHMOND DPW 0-21148
PERMANENT EASEMENT ACQUIRED BY THE CITY OF RICHMOND NO PARCEL ID# DPW 0-21148
MATCHLINE HEY ROAD CONSTR. @ STA. 137+50 - SEE SHEET 10(7)
HEY ROAD CONSTR. @ STA. 137+50
HEY ROAD
HEY ROAD CONSTR.
HEY ROAD
VARIABLE WIDTH R/W
HEY ROAD CONSTR. @ STA. 144+40.96
STA. 301+57.53 HULL STREET ROAD CONSTR. @
Δ = 90°16'14" RT
END PROJ. STA. HEY ROAD CONS
HULL STREET ROAD
VARIABLE WIDTH R/W
HULL STREET ROUTE 360
PROJ. #UPCI5959 BY OTHERS
PI: 144+40.96
PC: 142+75.79
PT: 145+90.00
STA:141+93.93 OFF:11.03'RT
STA:142+93.79 OFF:22.03'RT
SAWCUT
EXIST. R/W
EXIST. R/W
6' CONC. SIDEWALK
6' CONC. SIDEWALK
6' CONC. SIDEWALK

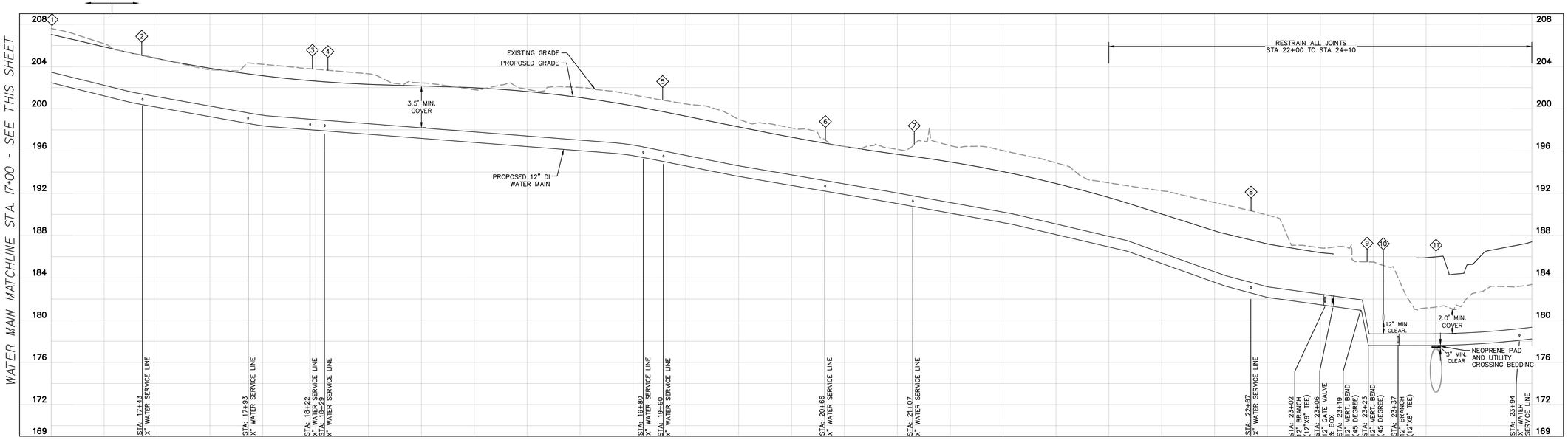


WATER MAIN MATCHLINE STA. 17+00 - SEE THIS SHEET

8" & 12" DI WATER MAIN. PLAN SHEET 10(3)
FROM 6' RIGHT STA 100+28 HEY ROAD CONSTR. BASELINE
TO 21' RIGHT STA 107+21 HEY ROAD CONSTR. BASELINE

1. EX. 4" FIBER TOP ELEV: 202.20
2. EX. 6" GAS ELEV: UNK
3. EX. WATER SERVICE SIZE: UNK ELEV: UNK
4. PROP. 15" RCP STORM DRAIN INV ELEV: 204.25
5. EX. WATER SERVICE SIZE: UNK ELEV: UNK
6. PROP. 15" RCP STORM DRAIN INV ELEV: 204.24
7. EX. WATER SERVICE SIZE: UNK ELEV: UNK
8. PROP. 15" RCP STORM DRAIN INV ELEV: 206.05
9. EX. WATER SERVICE SIZE: UNK ELEV: UNK
10. EX. WATER SERVICE SIZE: UNK ELEV: UNK
11. EX. WATER SERVICE SIZE: UNK ELEV: UNK

SHEET 10(3) SHEET 10(4)



WATER MAIN MATCHLINE STA. 24+00 - SEE SHEET 10(10)

12" DI WATER MAIN. PLAN SHEET 10(3) & 10(4)
FROM 21' RIGHT STA 107+21 HEY ROAD CONSTR. BASELINE
TO 21' RIGHT STA 114+28 HEY ROAD CONSTR. BASELINE

1. EX. GAS SIZE: UNK ELEV: UNK
2. EX. WATER SERVICE SIZE: UNK ELEV: UNK
3. EX. GAS SIZE: UNK ELEV: UNK
4. EX. WATER SERVICE SIZE: UNK ELEV: UNK
5. EX. WATER SERVICE SIZE: UNK ELEV: UNK
6. EX. WATER SERVICE SIZE: UNK ELEV: UNK
7. EX. WATER SERVICE SIZE: UNK ELEV: UNK
8. EX. WATER SERVICE SIZE: UNK ELEV: UNK
9. EX. 6" CONC. SAN. SEWER INV ELEV: UNK
10. EX. 8" DI WATER TOP ELEV: 180.62
11. EX. 48" RCP STORM DRAIN INV ELEV: 173.16

VERT: 1" = 5'
HORIZ: 1" = 25'

No.	REVISIONS	DATE	BY

LEGEND

- PROPOSED CONSTRUCTION EASEMENT LIMITS
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- PROPOSED GATE VALVE (PLAN)
- PROPOSED BRANCH – DIAMETERS VARY (PLAN)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PLAN)
- PROPOSED FIRE HYDRANT (PLAN)
- PROPOSED GATE VALVE – DIAMETERS VARY (PROFILE)
- PROPOSED BRANCH – DIAMETERS VARY (PROFILE)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PROFILE)
- REMOVE/ABANDON
- REDUCER

Kimley»Horn
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RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

Kimley-Horn and Associates, Inc.
Richmond, Virginia
UTILITY ENGINEER

HEY ROAD IMPROVEMENTS

WATER PROFILE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

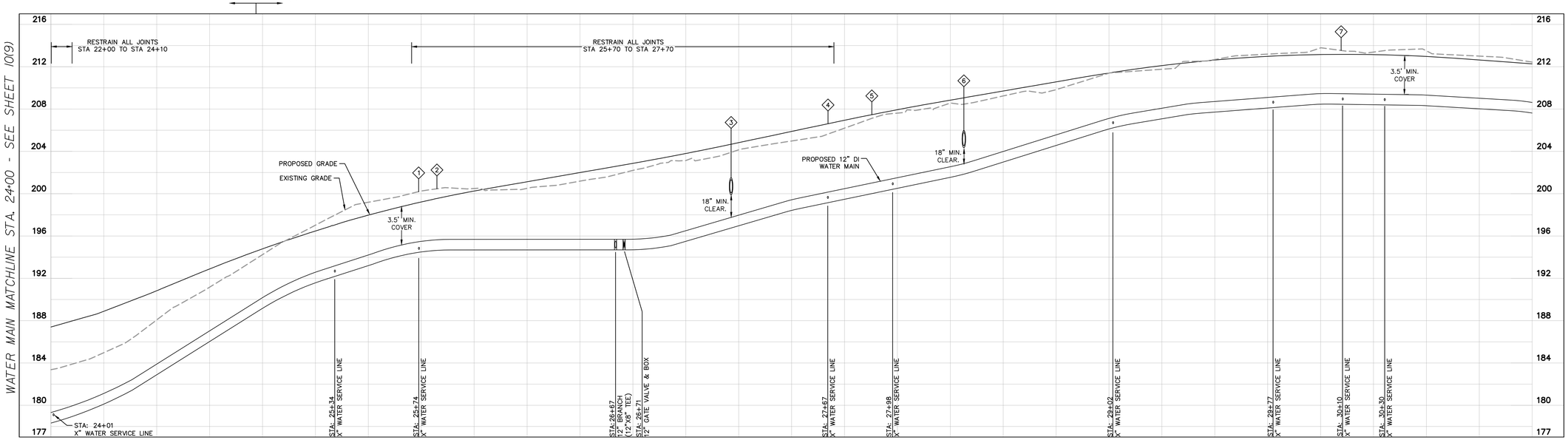
DESIGN BY: JHM	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	XXX		1" = 25'	10/05/2023	10(9)	0-28888
CHECKED BY: RCM						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY PROFILES.dwg 10(9) WATER PROFILE 1 Dec. 19, 2025 7:28pm by: Zachary.Sanly
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Drawing name: K:\RIC_TP1\V113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY PROFILES.dwg 10(10) WATER PROFILE 2 Dec 19, 2025 7:28pm by: Zachary.Sorly
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SHEET 10(4) SHEET 10(5)

WATER MAIN MATCHLINE STA. 24+00 - SEE SHEET 10(9)



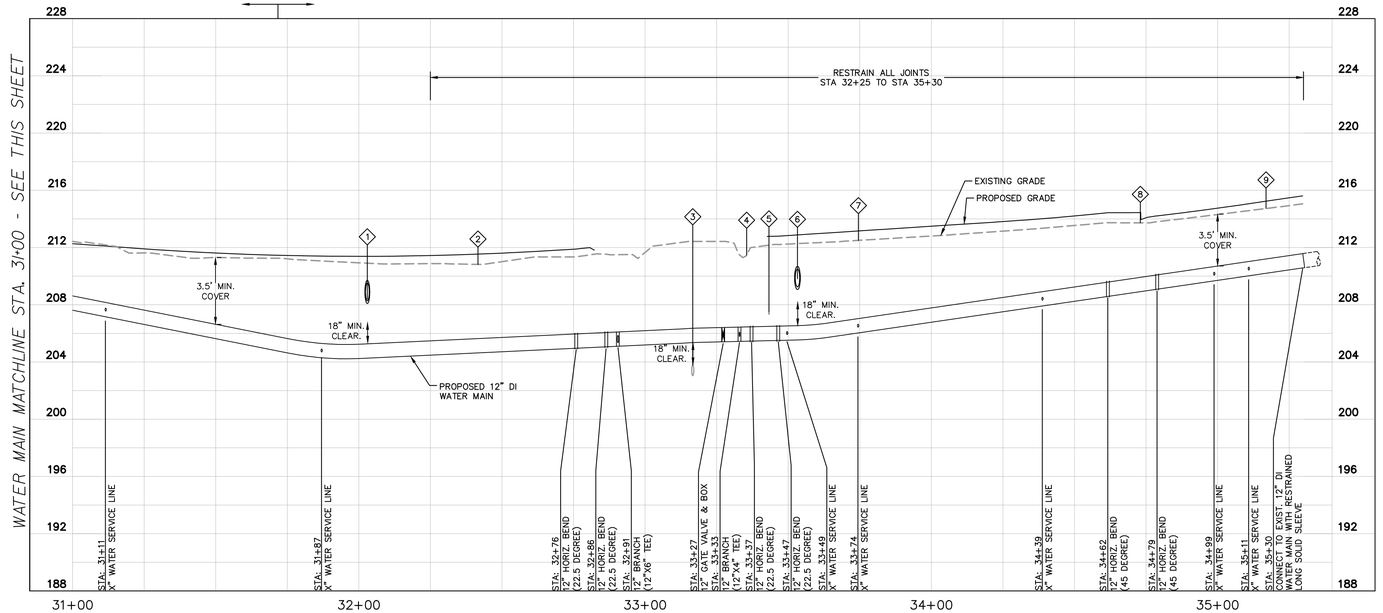
WATER MAIN MATCHLINE STA. 31+00 - SEE THIS SHEET

12" DI WATER MAIN. PLAN SHEET 10(4) & 10(5)
FROM 21' RIGHT STA 114+28 HEY ROAD CONSTR. BASELINE
TO 21' RIGHT STA 121+28 HEY ROAD CONSTR. BASELINE

1. EX. WATER SERVICE SIZE: UNK ELEV: UNK
2. EX. SS LATERAL SIZE: UNK ELEV: UNK
3. PROP. 15" RCP STORM DRAIN INV ELEV: 200.08
4. EX. WATER SERVICE SIZE: UNK ELEV: UNK
5. EX. GAS SIZE: UNK ELEV: UNK
6. PROP. 15" RCP STORM DRAIN INV ELEV: 204.46
7. EX. WATER SERVICE SIZE: UNK ELEV: UNK

SHEET 10(5) SHEET 10(6)

WATER MAIN MATCHLINE STA. 31+00 - SEE THIS SHEET



12" DI WATER MAIN. PLAN SHEET 10(5) & 10(6)
FROM 21' RIGHT STA 121+28 HEY ROAD CONSTR. BASELINE
TO 8' RIGHT STA 125+51 HEY ROAD CONSTR. BASELINE

1. PROP. 15" RCP STORM DRAIN INV ELEV: 206.95
2. EX. GAS SIZE: UNK ELEV: UNK
3. EX. 8" CONC. SAN. SEWER INV ELEV: 203.09
4. EX. 4" WATER ELEV: UNK
5. EX. 2" ELECTRIC TOP ELEV: 207.53
6. PROP. 15" RCP STORM DRAIN INV ELEV: 208.39
7. EX. WATER SIZE: UNK ELEV: UNK
8. EX. 6" GAS ELEV: UNK
9. EX. SS LATERAL SIZE: UNK ELEV: UNK

VERT: 1" = 5'
HORIZ: 1" = 25'

Kimley-Horn and Associates, Inc.
Richmond, Virginia
UTILITY ENGINEER

No.	REVISIONS	DATE	BY

LEGEND

- PROPOSED CONSTRUCTION EASEMENT LIMITS
- PROPOSED PERMANENT EASEMENT LIMITS
- PROPOSED WATER MAIN (PLAN)
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- PROPOSED BRANCH – DIAMETERS VARY (PLAN)
- PROPOSED HORIZ BEND – DIAMETERS AND ANGLES VARY (PLAN)
- PROPOSED FIRE HYDRANT (PLAN)
- PROPOSED GATE VALVE – DIAMETERS VARY (PROFILE)
- PROPOSED BRANCH – DIAMETERS VARY (PROFILE)
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- REMOVE/ABANDON
- REDUCER

Kimley»Horn
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1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

HEY ROAD IMPROVEMENTS

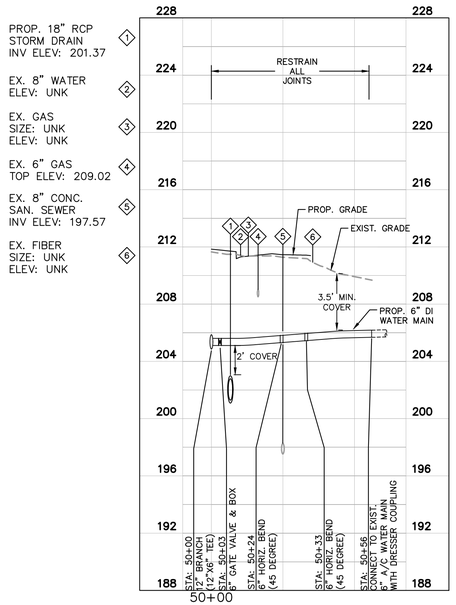
WATER PROFILE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

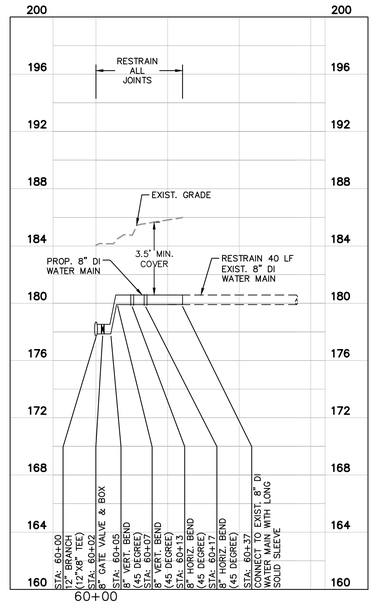
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: JHM	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	XXX		1" = 25'	10/05/2023	10(10)	0-28888
CHECKED BY: RCM						

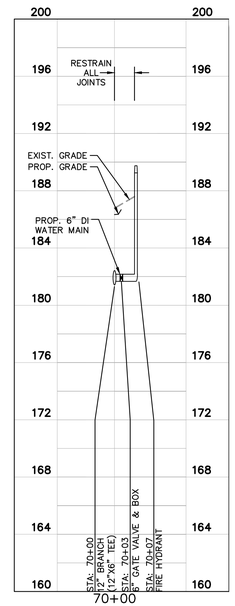
Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\UTILITY PROFILES.dwg 10(11) WATER PROFILE 3 Dec 19, 2025 7:28pm by: Zachary.Sorby
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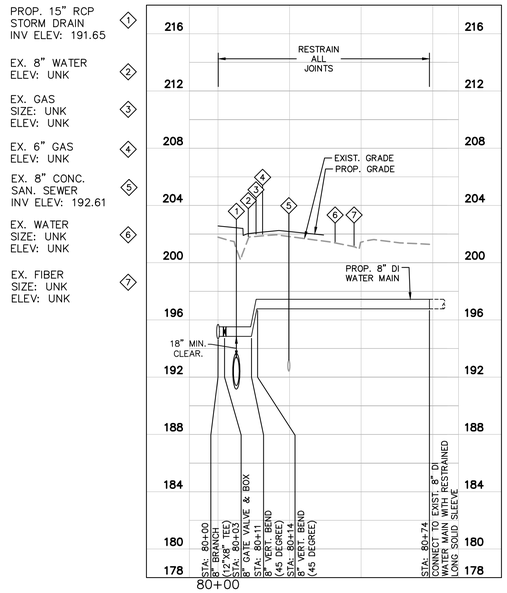
6" DI WATER MAIN. PLAN SHEET 10(3)
FROM 21' RIGHT STA 104+98 HEY ROAD CONSTR. BASELINE
TO 14' RIGHT STA 10+34 POCOSHAM CONSTR. BASELINE



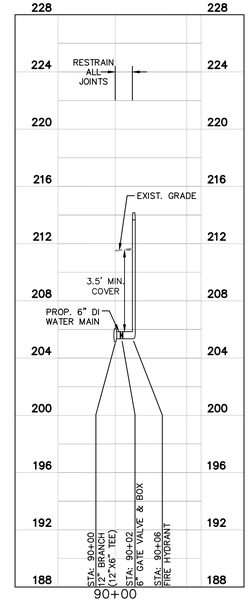
8" DI WATER MAIN. PLAN SHEET 10(4)
FROM 11' LEFT STA 20+23 BLENDWELL ROAD CONSTR. BASELINE
TO 1' LEFT STA 20+59 BLENDWELL ROAD CONSTR. BASELINE



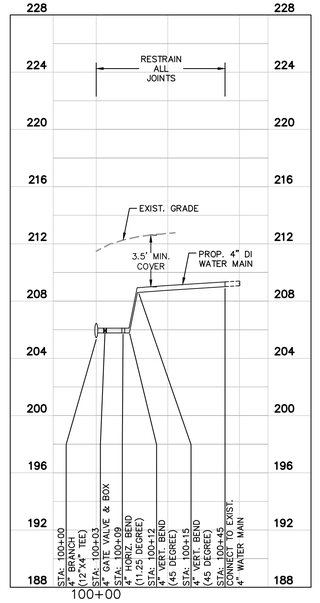
6" DI WATER MAIN. PLAN SHEET 10(4)
FROM 22' RIGHT STA 113+73 HEY ROAD CONSTR. BASELINE
TO 30' RIGHT STA 113+73 HEY ROAD CONSTR. BASELINE



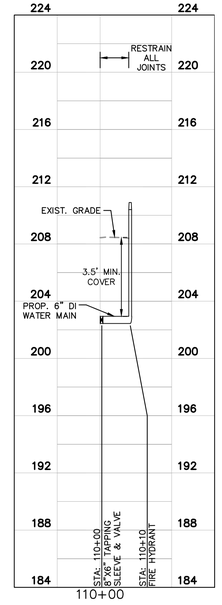
8" DI WATER MAIN. PLAN SHEET 10(5)
FROM 21' RIGHT STA 116+95 HEY ROAD CONSTR. BASELINE
TO 53' LEFT STA 116+95 HEY ROAD CONSTR. BASELINE



6" DI WATER MAIN. PLAN SHEET 10(6)
FROM 25' RIGHT STA 50+25 MAST ROAD CONSTR. BASELINE
TO 24' RIGHT STA 50+32 MAST ROAD CONSTR. BASELINE



4" DI WATER MAIN. PLAN SHEET 10(6)
FROM 18' LEFT STA 50+25 MAST ROAD CONSTR. BASELINE
TO 18' LEFT STA 50+67 MAST ROAD CONSTR. BASELINE



6" DI WATER MAIN. PLAN SHEET 10(7)
FROM 12' LEFT STA 80+31 SNEAD ROAD CONSTR. BASELINE
TO 22' LEFT STA 80+31 SNEAD ROAD CONSTR. BASELINE

VERT: 1" = 5'
HORIZ: 1" = 25'

No.	REVISIONS	DATE	BY

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- PROPOSED FIRE HYDRANT (PLAN)
- PROPOSED GATE VALVE – DIAMETERS VARY (PROFILE)
- PROPOSED BRANCH – DIAMETERS VARY (PROFILE)
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- REMOVE/ABANDON
- REDUCER

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
UTILITY ENGINEER

HEY ROAD IMPROVEMENTS

WATER PROFILE

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: JHM	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	XXX		1" = 25'	10/05/2023	10(11)	0-28888
CHECKED BY: RCM						

GENERAL NOTES

COMMUNICATIONS

C-1 The contractor shall perform all work and construct / install all items within existing City of Richmond right of way and / or City of Richmond property.

C-2 This project is to be constructed in accordance with the applicable City of Richmond Standards and Specifications, 2020 VDOT Road and Bridge Specifications, 2016 VDOT Road and Bridge Standards, 2009 FHWA Manual on Uniform Traffic Control Devices (MUTCD), 2011 Virginia Supplement to the MUTCD, 2011 Virginia Work Area Protection Manual (latest version), State Corporation Commission (SCC) requirements, and as amended by contract special provisions and the complete electronic version of the plan assembly; whichever is more restrictive takes precedence.

C-3 Certification and source of materials are to be submitted to the engineer for approval.

C-4 The contractor shall contact "Miss Utility of Virginia"(811) prior to beginning demolition or excavation 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" 48 hours prior to any excavation within the proximity of their utilities. The contractor will be responsible for repairing or replacing, at the contractor's expense, any existing utilities, pavement, concrete items, pipes, etc., that are damaged during construction.

C-5 Location of existing cabinets, conduits, junction boxes, manholes, structures, and utilities as shown on the plans are approximate as provided by survey and City GIS data. All existing utilities in project limits are not guaranteed to be shown on the plans. Existing utilities are not shown in their exact locations. The contractor shall be responsible for locating all existing utilities and equipment prior to proceeding with the work.

C-6 The contractor shall be responsible for replacing / reconstructing, with matching materials, any pavement, sidewalks, entrances, curb and gutter, landscaping, driveway pipe, sidewalk, mailboxes, etc. That are damaged during the construction of the project including areas where proposed construction is shown. All excavation and restoration shall be in accordance with the City of Richmond's right of way excavation & restoration manual and the "Virginia Department of Transportation Road and Bridge Specifications," whichever is more restrictive takes precedence.

C-7 The contractor shall verify the location and depth of all underground utilities to be crossed prior to jacking / boring, trenching, or directional drilling conduits. The contractor shall be responsible for maintaining required separation from existing utilities in accordance with State Corporation Commission (SCC) and City of Richmond requirements; whichever is more restrictive takes precedence.

C-8 If required separation from existing utilities cannot be met, the contractor shall coordinate with the Department of Public Utilities (DPU) dispatch at (804) 646-8426 and with the engineer prior to proceeding with the work.

C-9 When trenching, the contractor shall hand dig when crossing water lines, communication lines, gas lines, and sewer force mains. Any excavation within 18 inches of gas or electric lines shall be performed by hand.

C-10 All existing equipment to be removed by the contractor and not designated for disposal by the contractor shall be salvaged and returned to the City of Richmond Transportation Engineering Division shop. The contractor shall call Seth Gilley, traffic signal supervisor at (804)-212-5250 three (3) business days in advance to schedule an appointment to drop off materials.

C-11 The contractor shall provide the engineer written notification seven (7) calendar days prior to the start of any work. A pre-construction meeting is required prior to the start of the project.

C-12 Any errors, conflicts, or discrepancies found on the approved plans shall be reported to the engineer for resolution prior to proceeding further with the work.

C-13 All materials and construction within the public right of way shall be in accordance with the current City of Richmond specifications and standards.

C-14 Any request for a change of specified materials or design from the approved plans shall be submitted to the engineer. A letter must accompany the proposed changes and include revised plan sheets and / or design calculations for review and approval by the engineer.

C-15 The contractor shall comply with the sound control ordinance of the City of Richmond, Chapter 11, Article II, Section 11.

C-16 The contractor shall have a copy of the current project special provisions at the project site. The contractor shall have at least one (1) set of approved plans with all approved revisions at the project site.

C-17 All conduits under pavement, including driveways, shall be installed at a minimum depth of 36 inches. All other conduit shall be installed at a minimum depth of 24 inches. Trenched conduit installed beneath roadways and driveways where the conduit depth is less than 36 inches below finished grade shall be concrete encased.

C-18 The contractor shall coordinate with the City Transportation Engineering Division and the engineer to field locate all proposed communications related items on these plans and shall ensure all items are installed within existing right of way or on city-owned property. The location and orientation of all proposed communications items shall be field verified and approved by the engineer prior to installation.

C-19 Any area that is disturbed outside of the limits of construction during the life of this project shall be repaired at the expense of the contractor.

C-20 The contractor shall provide all necessary protective measures to safeguard existing utilities from damage during construction of this project. In the event that special equipment is required to work over or around the utilities, the contractor shall be required to furnish such equipment. The cost of protecting utilities from damage and furnishing special equipment shall not be paid for separately and shall be considered incidental.

C-21 All existing right of way lines shown on the plans are approximate as provided by City GIS data. The contractor shall coordinate with the engineer to field locate proposed items on these plans and shall ensure all items are installed within existing right of way or on City-owned property. The location and orientation of proposed items shall be field verified and approved by the engineer prior to installation.

C-22 The contractor shall be responsible for verifying the viability and usability of existing conduit where proposed communications, signal, and power cable will be installed. The contractor shall be responsible for determining the location and nature of conduit blockages in existing conduit proposed for reuse and the subsequent conduit repair.

C-23 All trenches and / or holes shall be filled or covered in accordance with the specifications and the roadway shall be opened to full traffic operations by the end of each work day defined as 4:00 pm Monday through Friday.

C-24 All traffic signals shall be operational at the end of each work day defined as 4:00 pm Monday through Friday.

C-25 The engineer reserves the right to make any changes to these plans and traffic control as deemed necessary.

C-26 The contractor shall install pull line and #12 AWG, THWN, stranded copper wire to serve as tracer wire in all conduit (both existing that is being reused and newly installed) utilized for this project.

C-27 The contractor shall furnish the City of Richmond with as-built drawings, detailing the exact location(s) of any direct buried items prior to final project acceptance. One (1) hard copy and an electronic version shall be provided in AutoCAD or GIS format as approved by the engineer.

C-28 The contractor shall coordinate with the City of Richmond Department of Public Utilities (DPU) for deenergizing all circuits prior to beginning work on shared Department of Public Works and Department of Public Utilities assets. It is the contractor's responsibility to ensure circuits have been deenergized prior to commencing work. A DPU inspector shall be onsite whenever work is being done by the contractor within joint use manholes.

C-29 Any traffic control devices including but not limited to pavement markings, signs, and traffic control signal equipment damaged or destroyed by the contractor must be replaced at the contractor's expense unless their removal or destruction is called for by the plans.

C-30 Before beginning the communications work, the contractor shall verify that all existing communications equipment is in satisfactory working order. The contractor shall report all defective communications equipment to the engineer so as not to be held responsible for defects.

C-31 The contractor shall locate existing conduit, cable runs, inductive loops, lead-in cables, junction boxes, and detection equipment before installing or using equipment that can damage or interfere with such facilities.

C-32 The contractor shall not install proposed junction boxes within ramping sections of curb ramps or within private driveways unless shown otherwise on the plans. The contractor shall not install proposed junction boxes above existing utility laterals, water lines, or gas lines.

C-33 All City of Richmond DPW junction boxes shall have "TRAFFIC" cast in the top surface depression for all traffic signal and its conduit related junction boxes containing cable with less than 50 volts. The cover shall have a non-skid surface with 1"wide letters.

C-34 Junction boxes may be relocated in the field as necessary provided they remain within the right of way, do not conflict with utilities, and remain outside the pavement section. The contractor shall field locate and install each junction box, that is located in sidewalk, such that no more than one (1) section of sidewalk will require replacement at each proposed junction box location. Additional damaged sections of sidewalk shall be repaired/replaced at the contractor's expense. The locations of all proposed junction boxes are to be field verified by the engineer prior to installation.

C-35 See "Typical Utilities and Conduit Depth Location" figure on this sheet for typical depths of DPU utilities and communications conduit. This figure is for graphical purposes only. The contractor shall verify the depth of all underground utilities prior to construction.

C-36 All trenched underground conduit shall be installed in accordance with VDOT ST'D. ECI-1 or ECI-2.

C-37 All proposed conduits shall be installed in a common trench, where feasible. Standard manufacturer's conduit spacers shall be used to provide adequate separation.

C-38 The contractor shall cease work immediately and notify the engineer and affected owners if damage to existing utilities, cables, or equipment occurs as a result of work performed by the contractor. The contractor shall make all required repairs and replacements at no additional cost to the City. The contractor shall be responsible for all damages and claims arising from such incidents.

C-39 The contractor shall be responsible for ensuring disposal of all solid or liquid materials resulting from construction is done in accordance with all applicable local, state, and federal environmental regulations.

C-40 The contractor shall install two separate fiber optic cables as shown on the plans and described in the project special provisions. The primary cables will be utilized for the Richmond Signal System. The secondary cables will be utilized for the Department of Information Technology (DIT). The DIT fiber optic cables will be spliced by others.

C-41 The contractor shall install Signal System fiber optic cable and DIT fiber optic cable in the same conduit within the proposed conduit systems.

C-42 The contractor shall install conduits of contrasting colors for identification. Maintain consistent colors throughout the conduit network including at junction boxes, handholes, or manhole junctions.

C-43 The contractor shall remove and replace damaged sidewalks in full sections to the nearest joint. Replacement sidewalk material shall match the existing sidewalk to the greatest extent practical. This includes brick sidewalk and concrete sidewalk.

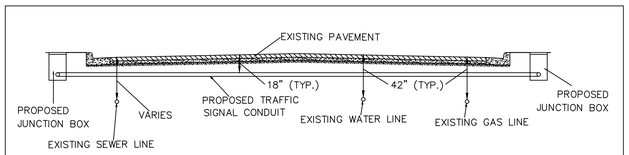
C-44 The maximum bore depth beneath the city's right of way shall be 16 feet below the surface elevation to the conduit run. Approval from the engineer shall be required to go beyond the maximum depth.

C-45 The contractor shall provide a minimum 30 days written notice to Dominion Virginia Power prior to construction activities. Coordinate with Michael Smith at (804) 533-8671.

C-46 The contractor shall contact the city of Richmond Urban Forestry Division at (804) 646-7000 ext. 0 a minimum of 30 days prior to beginning work to coordinate policies and procedures for performing selective tree trimming work within City right of way.

C-47 The contractor is responsible for acquiring areas for equipment storage and staging of materials.

C-48 The contractor shall not install proposed junction boxes within curb ramps or within private driveways. The contractor shall not install proposed junction boxes above existing utility laterals, water lines, or gas lines.



TYPICAL UTILITIES AND CONDUIT DEPTH LOCATION

NOTE: SEWER, GAS, WATER, OR OTHER UNDERGROUND UTILITIES DEPTH SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

NOT TO SCALE

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

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CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
COMMUNICATIONS NOTES

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY	SCALE	DATE	SHEET	DRAWING NO.
JMI	JMI	JSB	ACL	1" = 25'	12/19/2025	II(1)	0-28888

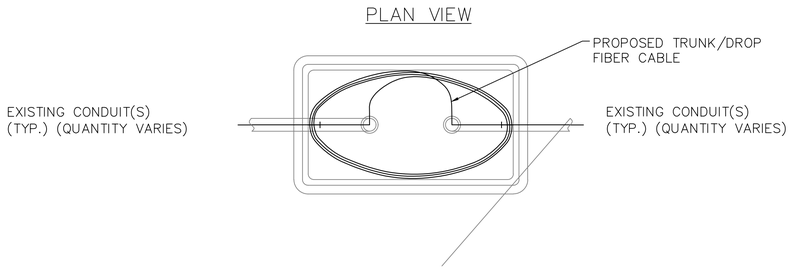
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Richmond, Virginia
TRAFFIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\COMMUNICATIONS NOTES AND DETAILS.dwg 11(1) COMMUNICATIONS NOTES Dec 19, 2025 7:29pm by: Zachary.Santy
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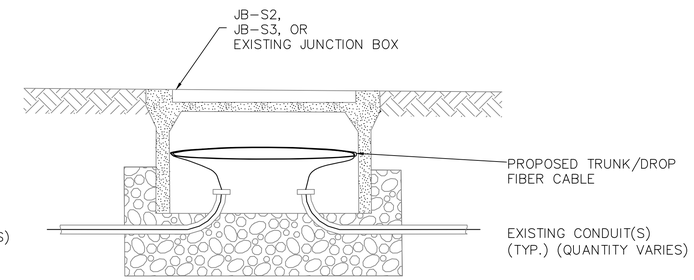
TYPICAL CABLE COIL INSTALLATION GUIDE
(FEET OF COIL LENGTH PER ENTERING CABLE UNLESS OTHERWISE NOTED)

CABLE TYPE	JB–S2	JB–S3
FIBER OPTIC CABLES (TRUNK)	25	100
FIBER OPTIC CABLES (DROP)	10	50
FIBER OPTIC CABLES (DIT)	25	50

PLAN VIEW



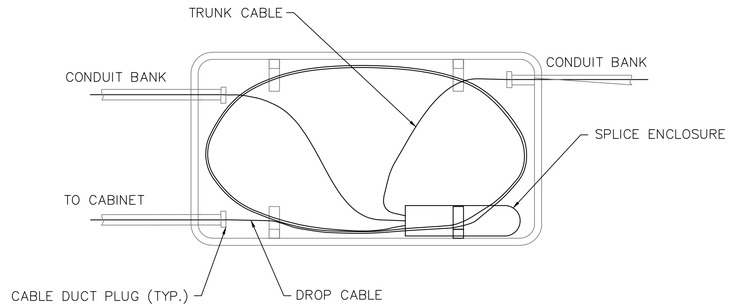
ELEVATION VIEW



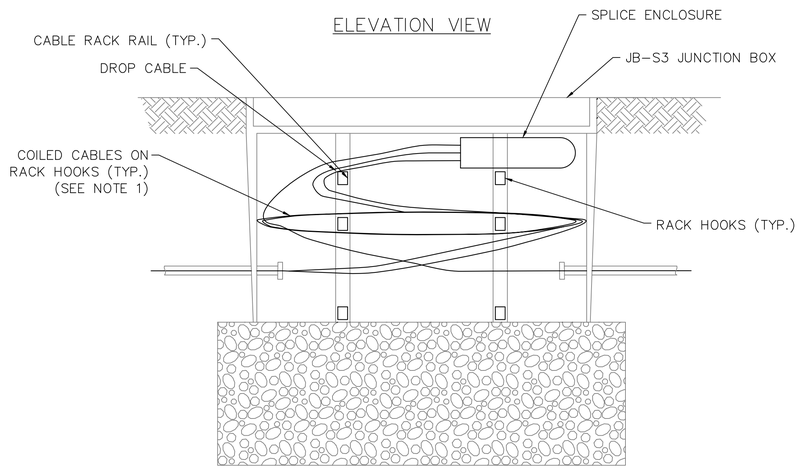
CABLE MANAGEMENT IN JB–S2, JB–S3, OR EXISTING JUNCTION BOX

NOT TO SCALE

PLAN VIEW

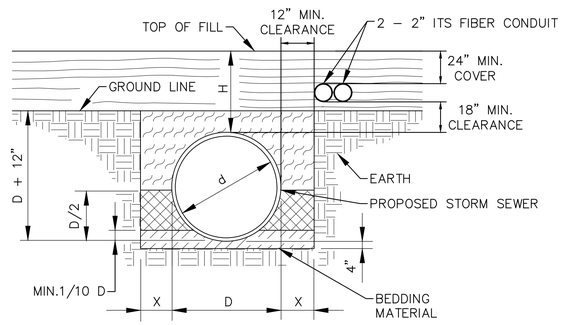


ELEVATION VIEW



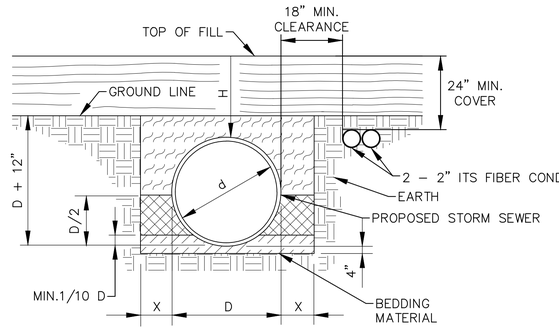
CABLE MANAGEMENT IN JB–S3
WITH SPLICE ENCLOSURE

NOT TO SCALE



TYPICAL CONDUIT INSTALLATION IN
SHARED TRENCH WITH VERTICAL
OFFSET FROM STORM SEWER

NOT TO SCALE – SEE VDOT STANDARD PB–1 FOR EXCLUDED DIMENSIONS



TYPICAL CONDUIT INSTALLATION IF
VERTICAL OFFSET FROM STORM
SEWER IS < 18"

NOT TO SCALE – SEE VDOT STANDARD PB–1 FOR EXCLUDED DIMENSIONS

NOTES:

1. FIBER TRUNK AND DROP CABLES SHALL BE COILED TOGETHER. OTHER DEVICE CABLES AND DIT CABLES SHALL BE COILED SEPARATELY AND SUPPORTED ON J–HOOKS OR RACK HOOKS. IF J–HOOKS OR RACK HOOKS DO NOT EXIST IN EXISTING JUNCTION BOXES, THE FIBER SHALL BE LAID HORIZONTALLY IN THE BASE OF THE JUNCTION BOX.
2. CONDUIT MAY ENTER THE LONG SIDE OF THE JUNCTION BOX ONLY WHEN FIELD CONDITIONS WARRANT AND AS APPROVED BY THE ENGINEER.
3. CABLE COIL IS REQUIRED AT ALL SPLICE LOCATIONS AND JUNCTION BOXES. ADDITIONAL SLACK LOCATIONS ARE AS SHOWN ON THE PLANS.
4. CONTRACTOR SHALL COIL CABLE PER TYPICAL CABLE COIL INSTALLATION GUIDE. COORDINATE WITH THE ENGINEER SHOULD FIELD CONDITIONS REQUIRE VARIATION.
5. WHERE A CONTINUOUS TRUNK CABLE IS SPLICED WITHIN A JUNCTION BOX, HALF OF THE CABLE COIL REQUIRED PER THE TYPICAL CABLE COIL INSTALLATION GUIDE SHALL BE STORED ON EACH SIDE OF THE SPLICE ENCLOSURE.

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

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CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
COMMUNICATIONS DETAILS

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.:
U000–127–R31, P101, RW201, C501

DESIGN BY: JMI	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
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CHECKED BY: JSB						

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\COMMUNICATIONS NOTES AND DETAILS.dwg 11(2) COMMUNICATIONS DETAILS Dec. 19, 2025 7:29pm by: Zachary.Santy
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NORTH

MATCHLINE HEY ROAD CONSTR. ℄ STA. 107+50 - SEE SHEET 11(4)

WALMSLEY BOULEVARD CONSTR. ℄

HEY ROAD CONSTR. ℄

POCOSHAM DRIVE CONSTR. ℄

DURING CONSTRUCTION, REMOVE EXISTING TRAFFIC AND DIT FIBER OPTIC CABLE TO THE NORTH ALONG HEY ROAD. COIL AND CAP EXISTING TRAFFIC AND DIT FIBER OPTIC CABLE THAT RUNS ALONG WALMSLEY BOULEVARD. SEE SEQUENCE OF CONSTRUCTION.

PROP. TEMP. CONSTR. EASE.

PROP. R/W

PROP. PERM. DRAINAGE EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. PERM. DOMINION EASE.

EXISTING

Empty Conduits

002 003 004 005 006 007 037 038 039 040 041 042 043 044

- 1 INSTALL SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC TRUNK CABLE
- 2 INSTALL SINGLE MODE FIBER OPTIC (SMFO) DIT TRUNK CABLE (TO BE SPLICED BY OTHERS)
- 3 INSTALL SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC DROP CABLE
- (1) INSTALL HDPE CONDUIT
- (2) INSTALL PVC CONDUIT
- (3) DIRECTIONAL DRILL CONDUIT
- (4) TRENCH CONDUIT
- (5) INSTALL CABLE(S) IN NEW CONDUIT
- (6) INSTALL CABLE(S) IN EXISTING CONDUIT

- 1X CABINET FIBER DROP CABLE ENTRY (LETTER DENOTES ENTRY TYPE, SEE SHEETS 11(X))
- 2 INSTALL UNDERGROUND SPLICE ENCLOSURE
- 3 INSTALL NEW VDOT STANDARD JB–S2 JUNCTION BOX
- 4 INSTALL NEW VDOT STANDARD JB–S3 JUNCTION BOX
- 5 INSTALL NEW VDOT STANDARD JB–R2 JUNCTION BOX
- 6 STORE 100 FEET OF ADDITIONAL SLACK SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC AND DIT TRUNK CABLES
- 7 STORE SLACK FIBER OPTIC COMMUNICATIONS CABLE (SEE SHEETS 11(2) FOR LENGTHS)
- 8 INSTALL FIBER OPTIC DELINEATOR MARKER

- 9 MODIFY EXISTING JUNCTION BOX
- 10 MODIFY EXISTING MANHOLE
- 11 EXISTING VDOT STANDARD JB–S2 JUNCTION BOX
- 12 EXISTING VDOT STANDARD JB–S3 JUNCTION BOX
- X SPLICE DETAIL IDENTIFIER (SEE SHEETS 11(X)–11(X))

- XX INDICATES NUMBER OF CABLES, LOOPS, ETC.
- XX INDICATES NUMBER OF FIBERS PER CABLE
- XX INDICATES NUMBER OF CONDUIT(S)
- XX INDICATES DIAMETER OF CONDUIT(S) (INCH)

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND EQUIPMENT PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL ITEMS ARE INSTALLED WITHIN THE EXISTING RIGHT–OF–WAY. SYMBOLOGY FOR EQUIPMENT AND CABLING IS NOT TO SCALE.

THE CONTRACTOR SHALL CONTACT "MISS UTILITY OF VIRGINIA" (811) PRIOR TO BEGINNING EXCAVATION WORK IN ORDER TO DETERMINE THE LOCATION AND EXTENT OF ALL UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT THE CONTRACTOR'S EXPENSE, ANY EXISTING TRAFFIC SIGNAL EQUIPMENT, UTILITIES, PAVEMENT, CONCRETE ITEMS, PIPES, ETC. THAT ARE DAMAGED DURING CONSTRUCTION.

ALL EXISTING ITEMS SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO FIELD LOCATE ALL PROPOSED ITEMS ON THESE PLANS AND SHALL ENSURE ALL ITEMS ARE INSTALLED WITHIN EXISTING RIGHT OF WAY, PROPOSED RIGHT OF WAY OR EASEMENT, OR ON CITY-OWNED PROPERTY. THE LOCATION AND ORIENTATION OF ALL PROPOSED ITEMS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

THE CONTRACTOR SHALL MODIFY EXISTING JUNCTION BOXES TO ACCOMMODATE ADDITIONAL CONDUIT ENTRIES AS INDICATED ON THE PLANS USING A METHOD TO ENTER AND SEAL EXISTING JUNCTION BOXES AS APPROVED BY THE ENGINEER.

CONTRACTOR SHALL ENSURE THAT NO OTHER CONDUITS OR CABLES ARE DAMAGED IN THE PROCESS OF MODIFYING EXISTING JUNCTION BOXES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY CONDUITS OR CABLES THAT MAY BE DAMAGED DURING WORK ON THE EXISTING JUNCTION BOXES AT NO COST TO THE CITY.

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

EXISTING / PROPOSED

- PARCEL BOUNDARY
- TEMP. CONSTRUCTION EASEMENT
- UTILITY POLE
- SINGLE OR DUAL MAST ARM SIGNAL POLE
- METAL POLE
- WOOD POLE
- CONCRETE POLE
- CONDUIT
- TRENCHED CONDUIT
- DIRECTIONAL DRILLED CONDUIT
- GROUND MOUNTED SIGNAL CABINET
- JUNCTION BOX
- JUNCTION BOX WITH FIBER OPTIC SPLICE ENCLOSURE
- ABANDONED. SEE UTILITY PLAN
- WATER SERVICE LINE
- STORM SEWER
- SANITARY SEWER LINE
- GAS LINE
- WATER LINE
- UNDERGROUND POWER LINE
- FIBER OPTIC LINE
- TELEVISION LINE
- SIGNAL CONDUIT
- STREET LIGHT
- FIRE HYDRANT
- MATURE TREE
- HANDHOLE
- WATER VAULT
- GAS VALVE
- GAS TEST STATION
- CITY DPS MANHOLE
- STORMWATER MANHOLE
- SANITARY SEWER MANHOLE
- WATER MANHOLE
- ELECTRIC MANHOLE
- TELECOMMUNICATIONS MANHOLE
- WATER METER OR VALVE
- STORMWATER INLET

GRAPHIC SCALE IN FEET
0 12.5 25 50

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CITY OF RICHMOND ESTABLISHED 1751

HEY ROAD IMPROVEMENTS
COMMUNICATIONS PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

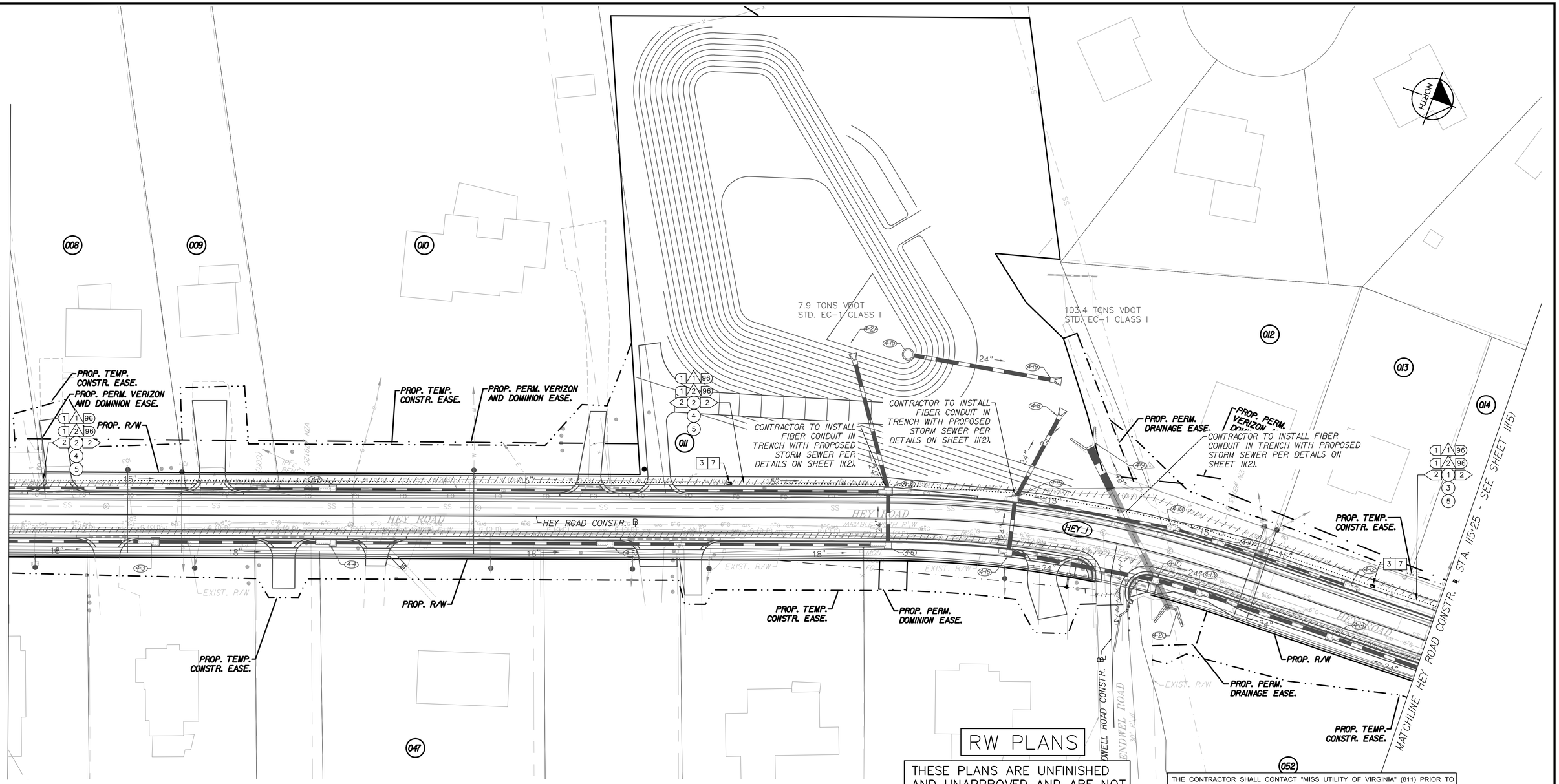
VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY:	JMJ	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	JMJ	ACL		1" = 25'	12/19/2025	11(3)	0-28888
CHECKED BY:	JSB						

Kimley-Horn and Associates, Inc.
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TRAFFIC ENGINEER

Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\FIBER RELOCATION PLAN.dwg 11(3) COMMUNICATIONS PLAN Dec 19, 2025 7:31pm by: Zachary.Santy
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RW PLANS

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1. INSTALL SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC TRUNK CABLE
2. INSTALL SINGLE MODE FIBER OPTIC (SMFO) DIT TRUNK CABLE (TO BE SPLICED BY OTHERS)
3. INSTALL SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC DROP CABLE
1. INSTALL HDPE CONDUIT
2. INSTALL PVC CONDUIT
3. DIRECTIONAL DRILL CONDUIT
4. TRENCH CONDUIT
5. INSTALL CABLE(S) IN NEW CONDUIT
6. INSTALL CABLE(S) IN EXISTING CONDUIT

1X. CABINET FIBER DROP CABLE ENTRY (LETTER DENOTES ENTRY TYPE, SEE SHEETS 11(X))
2. INSTALL UNDERGROUND SPLICE ENCLOSURE
3. INSTALL NEW VDOT STANDARD JB-S2 JUNCTION BOX
4. INSTALL NEW VDOT STANDARD JB-S3 JUNCTION BOX
5. INSTALL NEW VDOT STANDARD JB-R2 JUNCTION BOX
6. STORE 100 FEET OF ADDITIONAL SLACK SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC AND DIT TRUNK CABLES
7. STORE SLACK FIBER OPTIC COMMUNICATIONS CABLE (SEE SHEETS 11(2) FOR LENGTHS)
8. INSTALL FIBER OPTIC DELINEATOR MARKER
9. MODIFY EXISTING JUNCTION BOX
10. MODIFY EXISTING MANHOLE
11. EXISTING VDOT STANDARD JB-S2 JUNCTION BOX
12. EXISTING VDOT STANDARD JB-S3 JUNCTION BOX
X. SPLICE DETAIL IDENTIFIER (SEE SHEETS 11(X)-11(X))

XX. INDICATES NUMBER OF CABLES, LOOPS, ETC.
XX. INDICATES NUMBER OF FIBERS PER CABLE
XX. INDICATES NUMBER OF CONDUIT(S)
XX. INDICATES DIAMETER OF CONDUIT(S) (INCH)

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND EQUIPMENT PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL ITEMS ARE INSTALLED WITHIN THE EXISTING RIGHT-OF-WAY. SYMBOLOGY FOR EQUIPMENT AND CABLING IS NOT TO SCALE.

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ALL EXISTING ITEMS SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO FIELD LOCATE ALL PROPOSED ITEMS ON THESE PLANS AND SHALL ENSURE ALL ITEMS ARE INSTALLED WITHIN EXISTING RIGHT OF WAY, PROPOSED RIGHT OF WAY OR EASEMENT, OR ON CITY-OWNED PROPERTY. THE LOCATION AND ORIENTATION OF ALL PROPOSED ITEMS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

THE CONTRACTOR SHALL MODIFY EXISTING JUNCTION BOXES TO ACCOMMODATE ADDITIONAL CONDUIT ENTRIES AS INDICATED ON THE PLANS USING A METHOD TO ENTER AND SEAL EXISTING JUNCTION BOXES AS APPROVED BY THE ENGINEER.

CONTRACTOR SHALL ENSURE THAT NO OTHER CONDUITS OR CABLES ARE DAMAGED IN THE PROCESS OF MODIFYING EXISTING JUNCTION BOXES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY CONDUITS OR CABLES THAT MAY BE DAMAGED DURING WORK ON THE EXISTING JUNCTION BOXES AT NO COST TO THE CITY.

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

EXISTING / PROPOSED
- PARCEL BOUNDARY
- TEMP. CONSTRUCTION EASEMENT
- UTILITY POLE
- SINGLE OR DUAL MAST ARM SIGNAL POLE
- METAL POLE
- WOOD POLE
- CONCRETE POLE
- CONDUIT
- TRENCHED CONDUIT
- DIRECTIONAL DRILLED CONDUIT
- GROUND MOUNTED SIGNAL CABINET
- JUNCTION BOX
- JUNCTION BOX WITH FIBER OPTIC SPLICE ENCLOSURE
- ABANDONED. SEE UTILITY PLAN
- SS
- G
- W
- E
- FO
- TV
- TS
- WATER SERVICE LINE
- STORM SEWER
- SANITARY SEWER LINE
- GAS LINE
- WATER LINE
- UNDERGROUND POWER LINE
- FIBER OPTIC LINE
- TELEVISION LINE
- SIGNAL CONDUIT
- STREET LIGHT
- FIRE HYDRANT
- MATURE TREE
- HANDHOLE
- WATER VAULT
- GAS VALVE
- GAS TEST STATION
- CITY DPS MANHOLE
- STORMWATER MANHOLE
- SANITARY SEWER MANHOLE
- WATER MANHOLE
- ELECTRIC MANHOLE
- TELECOMMUNICATIONS MANHOLE
- WATER METER OR VALVE
- STORMWATER INLET

GRAPHIC SCALE IN FEET
0 12.5 25 50

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Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1731

HEY ROAD IMPROVEMENTS
COMMUNICATIONS PLAN

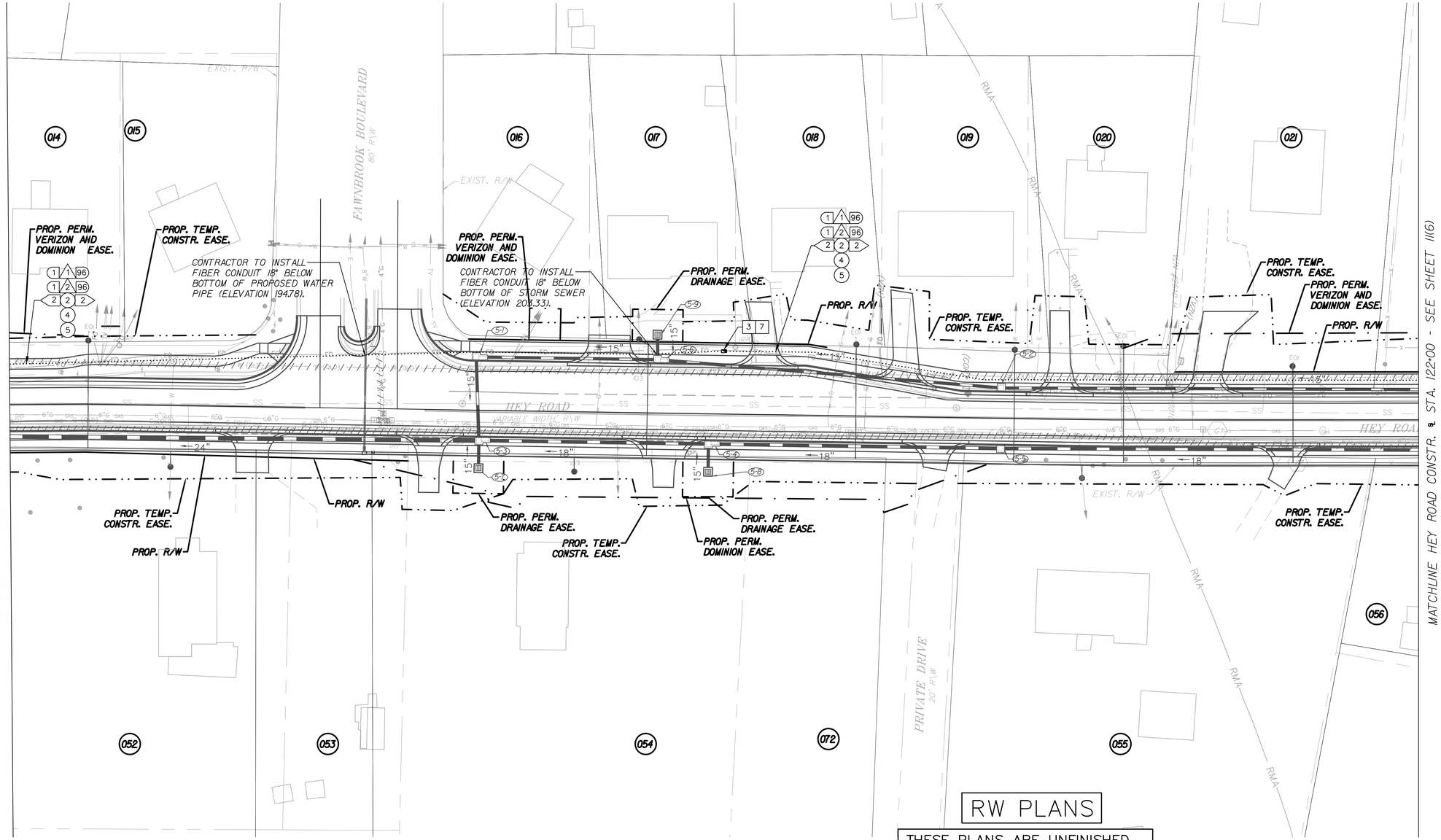
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY:	JMJ	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	JMJ	ACL		1" = 25'	12/19/2025	11(4)	0-28888
CHECKED BY:	JSB						

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\FIBER RELOCATION PLAN.dwg 11(5) COMMUNICATIONS PLAN Dec 19, 2025 7:31pm by: Zachary.Santy
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NORTH

RW PLANS

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1. INSTALL SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC TRUNK CABLE
2. INSTALL SINGLE MODE FIBER OPTIC (SMFO) DIT TRUNK CABLE (TO BE SPLICED BY OTHERS)
3. INSTALL SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC DROP CABLE
1. INSTALL HDPE CONDUIT
2. INSTALL PVC CONDUIT
3. DIRECTIONAL DRILL CONDUIT
4. TRENCH CONDUIT
5. INSTALL CABLE(S) IN NEW CONDUIT
6. INSTALL CABLE(S) IN EXISTING CONDUIT

1X. CABINET FIBER DROP CABLE ENTRY (LETTER DENOTES ENTRY TYPE, SEE SHEETS 11(X))
2. INSTALL UNDERGROUND SPLICE ENCLOSURE
3. INSTALL NEW VDOT STANDARD JB-S2 JUNCTION BOX
4. INSTALL NEW VDOT STANDARD JB-S3 JUNCTION BOX
5. INSTALL NEW VDOT STANDARD JB-R2 JUNCTION BOX
6. STORE 100 FEET OF ADDITIONAL SLACK SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC AND DIT TRUNK CABLES
7. STORE SLACK FIBER OPTIC COMMUNICATIONS CABLE (SEE SHEETS 11(2) FOR LENGTHS)
8. INSTALL FIBER OPTIC DELINEATOR MARKER

9. MODIFY EXISTING JUNCTION BOX
10. MODIFY EXISTING MANHOLE
11. EXISTING VDOT STANDARD JB-S2 JUNCTION BOX
12. EXISTING VDOT STANDARD JB-S3 JUNCTION BOX
X. SPLICE DETAIL IDENTIFIER (SEE SHEETS 11(X)-11(X))

XX. INDICATES NUMBER OF CABLES, LOOPS, ETC.
XX. INDICATES NUMBER OF FIBERS PER CABLE
XX. INDICATES NUMBER OF CONDUIT(S)
XX. INDICATES DIAMETER OF CONDUIT(S) (INCH)

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

EXISTING / PROPOSED
- PARCEL BOUNDARY
- TEMP. CONSTRUCTION EASEMENT
- UTILITY POLE
- SINGLE OR DUAL MAST ARM SIGNAL POLE
- METAL POLE
- WOOD POLE
- CONCRETE POLE
- CONDUIT
- TRENCHED CONDUIT
- DIRECTIONAL DRILLED CONDUIT
- GROUND MOUNTED SIGNAL CABINET
- JUNCTION BOX
- JUNCTION BOX WITH FIBER OPTIC SPLICE ENCLOSURE
- ABANDONED. SEE UTILITY PLAN

EXISTING / PROPOSED
- WATER SERVICE LINE
- STORM SEWER
- SANITARY SEWER LINE
- GAS LINE
- WATER LINE
- UNDERGROUND POWER LINE
- FIBER OPTIC LINE
- TELEVISION LINE
- SIGNAL CONDUIT

EXISTING
- STREET LIGHT
- FIRE HYDRANT
- MATURE TREE
- HANDHOLE
- WATER VAULT
- GAS VALVE
- GAS TEST STATION

EXISTING
- CITY DPS MANHOLE
- STORMWATER MANHOLE
- SANITARY SEWER MANHOLE
- WATER MANHOLE
- ELECTRIC MANHOLE
- TELECOMMUNICATIONS MANHOLE
- WATER METER OR VALVE
- STORMWATER INLET

GRAPHIC SCALE IN FEET
0 12.5 25 50

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Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
COMMUNICATIONS PLAN

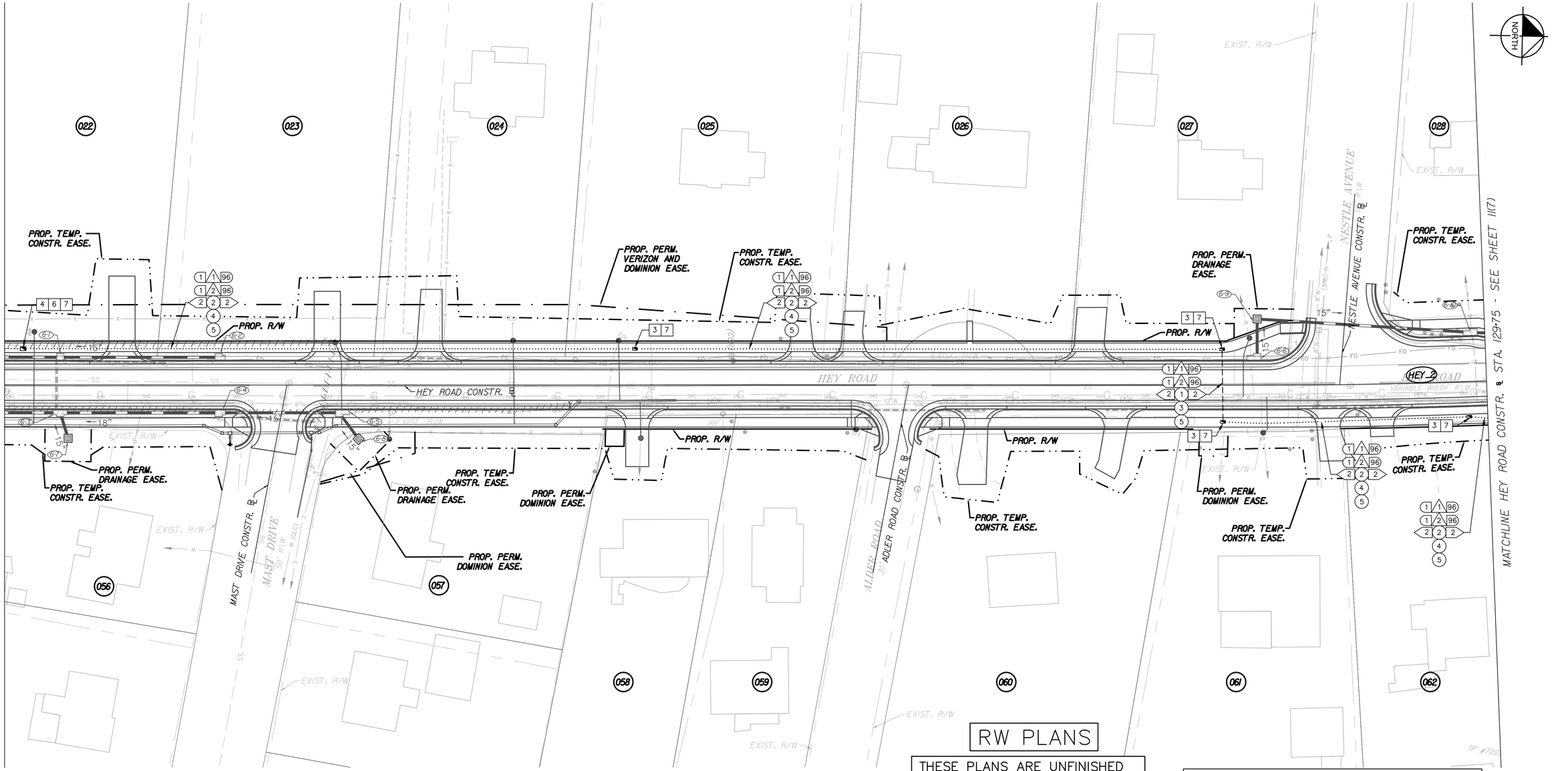
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY:	JMI	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	JMI	ACL		1" = 25'	12/19/2025	11(5)	0-28888
CHECKED BY:	JSB						

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Richmond, Virginia
TRAFFIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\FIBER RELOCATION PLAN.dwg 11(6) COMMUNICATIONS PLAN Dec 19, 2025 7:31pm by: Zachary.Santy
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(4) TRENCH CONDUIT
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(6) INSTALL CABLE(S) IN EXISTING CONDUIT

1X CABINET FIBER DROP CABLE ENTRY (LETTER DENOTES ENTRY TYPE, SEE SHEETS 11(X))
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8 INSTALL FIBER OPTIC DELINEATOR MARKER

9 MODIFY EXISTING JUNCTION BOX
10 MODIFY EXISTING MANHOLE
11 EXISTING VDOT STANDARD JB-S2 JUNCTION BOX
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Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

EXISTING / PROPOSED
PARCEL BOUNDARY
TEMP. CONSTRUCTION EASEMENT
UTILITY POLE
SINGLE OR DUAL MAST ARM SIGNAL POLE
METAL POLE
WOOD POLE
CONCRETE POLE
CONDUIT
TRENCHED CONDUIT
DIRECTIONAL DRILLED CONDUIT
GROUND MOUNTED SIGNAL CABINET
JUNCTION BOX
JUNCTION BOX WITH FIBER OPTIC SPLICE ENCLOSURE
ABANDONED. SEE UTILITY PLAN

EXISTING / PROPOSED
WATER SERVICE LINE
STORM SEWER
SANITARY SEWER LINE
GAS LINE
WATER LINE
UNDERGROUND POWER LINE
FIBER OPTIC LINE
TELEVISION LINE
SIGNAL CONDUIT

EXISTING
STREET LIGHT
FIRE HYDRANT
MATURE TREE
HANDHOLE
WATER VAULT
GAS VALVE
GAS TEST STATION

EXISTING
CITY DPS MANHOLE
STORMWATER MANHOLE
SANITARY SEWER MANHOLE
WATER MANHOLE
ELECTRIC MANHOLE
TELECOMMUNICATIONS MANHOLE
WATER METER OR VALVE
STORMWATER INLET

GRAPHIC SCALE IN FEET
0 12.5 25 50

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RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
COMMUNICATIONS PLAN

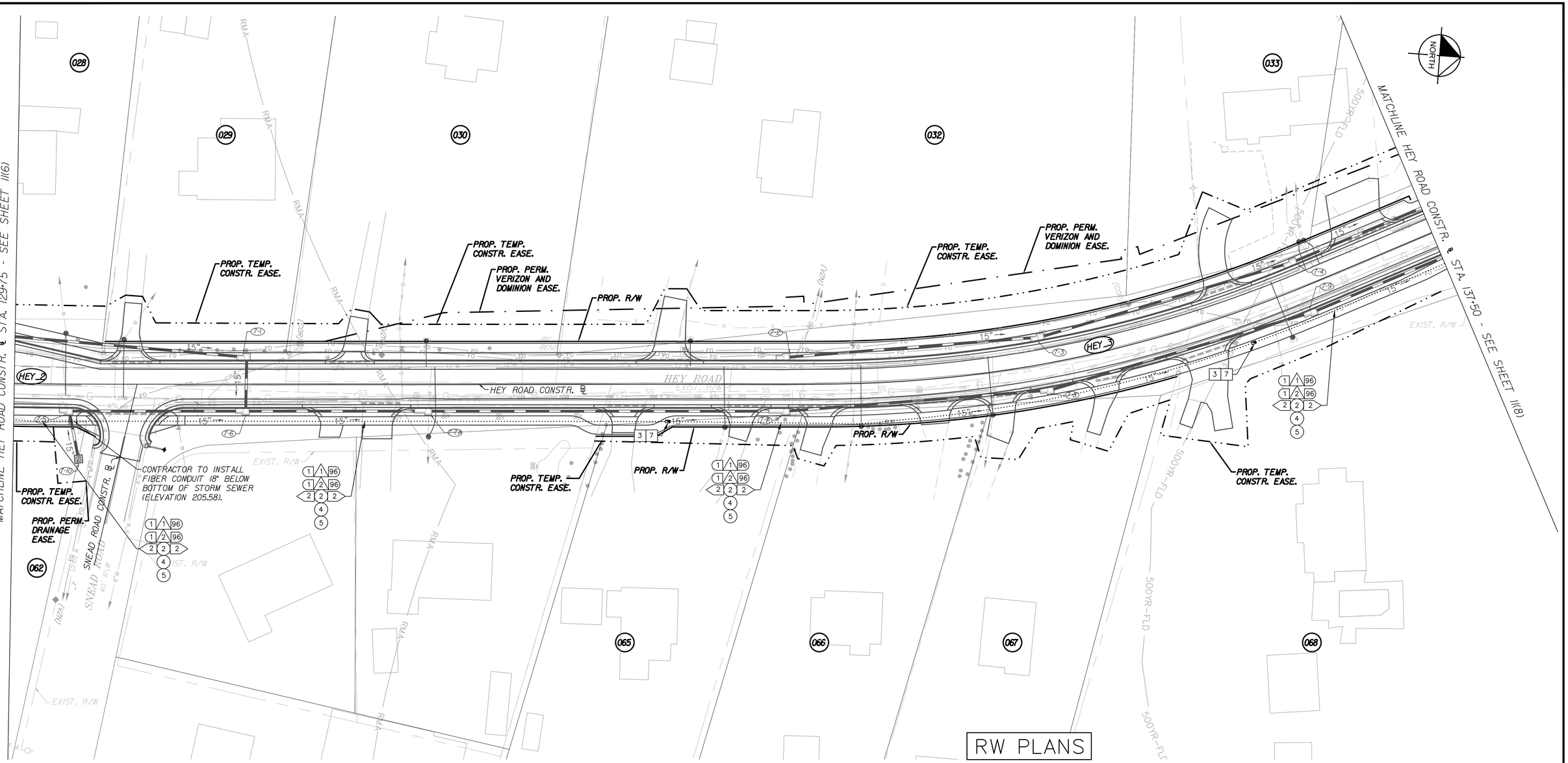
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY:	JMJ	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	JMJ	ACL		1" = 25'	12/19/2025	11(6)	0-28888
CHECKED BY:	JSB						

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TRAFFIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\FIBER RELOCATION PLAN.dwg 11(7) COMMUNICATIONS PLAN Dec 19, 2025 7:32pm by: ZacharySanty
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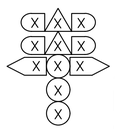
RW PLANS

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- 1 INSTALL SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC TRUNK CABLE
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- 3 INSTALL SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC DROP CABLE
- (1) INSTALL HDPE CONDUIT
- (2) INSTALL PVC CONDUIT
- (3) DIRECTIONAL DRILL CONDUIT
- (4) TRENCH CONDUIT
- (5) INSTALL CABLE(S) IN NEW CONDUIT
- (6) INSTALL CABLE(S) IN EXISTING CONDUIT

- 1X CABINET FIBER DROP CABLE ENTRY (LETTER DENOTES ENTRY TYPE, SEE SHEETS 11(X))
- 2 INSTALL UNDERGROUND SPLICE ENCLOSURE
- 3 INSTALL NEW VDOT STANDARD JB–S2 JUNCTION BOX
- 4 INSTALL NEW VDOT STANDARD JB–S3 JUNCTION BOX
- 5 INSTALL NEW VDOT STANDARD JB–R2 JUNCTION BOX
- 6 STORE 100 FEET OF ADDITIONAL SLACK SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC AND DIT TRUNK CABLES
- 7 STORE SLACK FIBER OPTIC COMMUNICATIONS CABLE (SEE SHEETS 11(2) FOR LENGTHS)
- 8 INSTALL FIBER OPTIC DELINEATOR MARKER

- 9 MODIFY EXISTING JUNCTION BOX
- 10 MODIFY EXISTING MANHOLE
- 11 EXISTING VDOT STANDARD JB–S2 JUNCTION BOX
- 12 EXISTING VDOT STANDARD JB–S3 JUNCTION BOX
- (X) SPLICE DETAIL IDENTIFIER (SEE SHEETS 11(X)–11(X))



- XX INDICATES NUMBER OF CABLES, LOOPS, ETC.
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Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

EXISTING / PROPOSED
- PARCEL BOUNDARY
- TEMP. CONSTRUCTION EASEMENT
- UTILITY POLE
- SINGLE OR DUAL MAST ARM SIGNAL POLE
- METAL POLE
- WOOD POLE
- CONCRETE POLE
- CONDUIT
- TRENCHED CONDUIT
- DIRECTIONAL DRILLED CONDUIT
- GROUND MOUNTED SIGNAL CABINET
- JUNCTION BOX
- JUNCTION BOX WITH FIBER OPTIC SPLICE ENCLOSURE
- ABANDONED. SEE UTILITY PLAN

EXISTING / PROPOSED
- WATER SERVICE LINE
- STORM SEWER
- SANITARY SEWER LINE
- GAS LINE
- WATER LINE
- UNDERGROUND POWER LINE
- FIBER OPTIC LINE
- TELEVISION LINE
- SIGNAL CONDUIT

EXISTING
- STREET LIGHT
- FIRE HYDRANT
- MATURE TREE
- HANDHOLE
- WATER VAULT
- GAS VALVE
- GAS TEST STATION

EXISTING
- CITY DPS MANHOLE
- STORMWATER MANHOLE
- SANITARY SEWER MANHOLE
- WATER MANHOLE
- ELECTRIC MANHOLE
- TELECOMMUNICATIONS MANHOLE
- WATER METER OR VALVE
- STORMWATER INLET

GRAPHIC SCALE IN FEET
0 12.5 25 50

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RICHMOND, VIRGINIA 23230
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CITY OF RICHMOND ESTABLISHED 1737

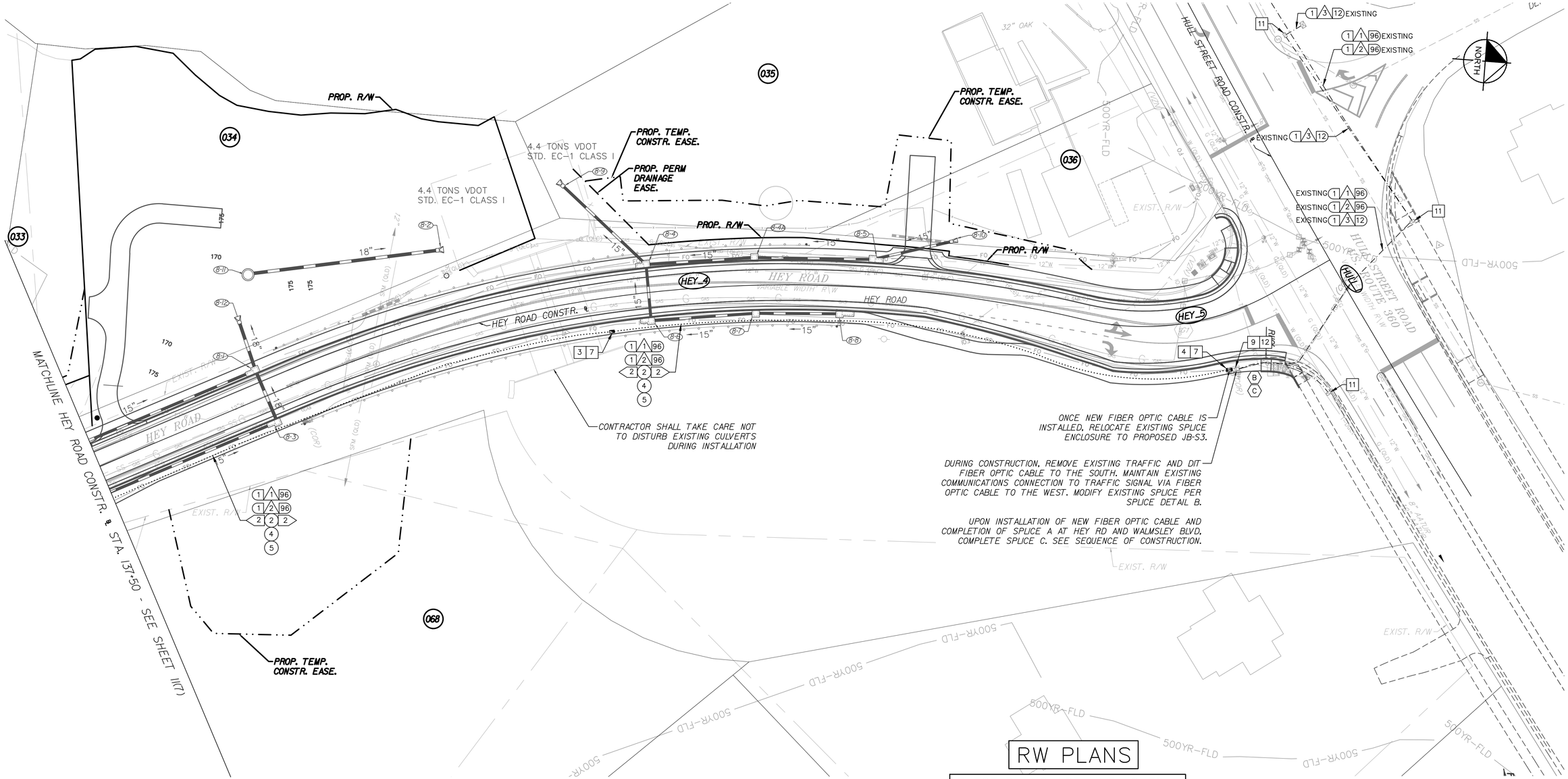
HEY ROAD IMPROVEMENTS COMMUNICATIONS PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY:	JMJ	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	JMJ	ACL		1" = 25'	12/19/2025	11(7)	0-28888
CHECKED BY:	JSB						

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Richmond, Virginia
TRAFFIC ENGINEER



Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\FIBER RELOCATION PLAN.dwg 11(8) COMMUNICATIONS PLAN Dec 19, 2025 7:32pm by: ZacharySanty

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1. INSTALL HDPE CONDUIT
2. INSTALL PVC CONDUIT
3. DIRECTIONAL DRILL CONDUIT
4. TRENCH CONDUIT
5. INSTALL CABLE(S) IN NEW CONDUIT
6. INSTALL CABLE(S) IN EXISTING CONDUIT

1X. CABINET FIBER DROP CABLE ENTRY (LETTER DENOTES ENTRY TYPE, SEE SHEETS 11(X))
2. INSTALL UNDERGROUND SPLICE ENCLOSURE
3. INSTALL NEW VDOT STANDARD JB-S2 JUNCTION BOX
4. INSTALL NEW VDOT STANDARD JB-S3 JUNCTION BOX
5. INSTALL NEW VDOT STANDARD JB-R2 JUNCTION BOX
6. STORE 100 FEET OF ADDITIONAL SLACK SINGLE MODE FIBER OPTIC (SMFO) TRAFFIC AND DIT TRUNK CABLES
7. STORE SLACK FIBER OPTIC COMMUNICATIONS CABLE (SEE SHEETS 11(2) FOR LENGTHS)
8. INSTALL FIBER OPTIC DELINEATOR MARKER

9. MODIFY EXISTING JUNCTION BOX
10. MODIFY EXISTING MANHOLE
11. EXISTING VDOT STANDARD JB-S2 JUNCTION BOX
12. EXISTING VDOT STANDARD JB-S3 JUNCTION BOX
X. SPLICE DETAIL IDENTIFIER (SEE SHEETS 11(X)-11(X))

XX. INDICATES NUMBER OF CABLES, LOOPS, ETC.
XX. INDICATES NUMBER OF FIBERS PER CABLE
XX. INDICATES NUMBER OF CONDUIT(S)
XX. INDICATES DIAMETER OF CONDUIT(S) (INCH)

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND EQUIPMENT PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL ITEMS ARE INSTALLED WITHIN THE EXISTING RIGHT-OF-WAY. SYMBOLOGY FOR EQUIPMENT AND CABLING IS NOT TO SCALE.

RW PLANS

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

THE CONTRACTOR SHALL CONTACT "MISS UTILITY OF VIRGINIA" (811) PRIOR TO BEGINNING EXCAVATION WORK IN ORDER TO DETERMINE THE LOCATION AND EXTENT OF ALL UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING OR REPLACING, AT THE CONTRACTOR'S EXPENSE, ANY EXISTING TRAFFIC SIGNAL EQUIPMENT, UTILITIES, PAVEMENT, CONCRETE ITEMS, PIPES, ETC. THAT ARE DAMAGED DURING CONSTRUCTION.

ALL EXISTING ITEMS SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO FIELD LOCATE ALL PROPOSED ITEMS ON THESE PLANS AND SHALL ENSURE ALL ITEMS ARE INSTALLED WITHIN EXISTING RIGHT OF WAY, PROPOSED RIGHT OF WAY OR EASEMENT, OR ON CITY-OWNED PROPERTY. THE LOCATION AND ORIENTATION OF ALL PROPOSED ITEMS SHALL BE FIELD VERIFIED AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

THE CONTRACTOR SHALL MODIFY EXISTING JUNCTION BOXES TO ACCOMMODATE ADDITIONAL CONDUIT ENTRIES AS INDICATED ON THE PLANS USING A METHOD TO ENTER AND SEAL EXISTING JUNCTION BOXES AS APPROVED BY THE ENGINEER.

CONTRACTOR SHALL ENSURE THAT NO OTHER CONDUITS OR CABLES ARE DAMAGED IN THE PROCESS OF MODIFYING EXISTING JUNCTION BOXES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY CONDUITS OR CABLES THAT MAY BE DAMAGED DURING WORK ON THE EXISTING JUNCTION BOXES AT NO COST TO THE CITY.

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

EXISTING / PROPOSED
- PARCEL BOUNDARY
- TEMP. CONSTRUCTION EASEMENT
- UTILITY POLE
- SINGLE OR DUAL MAST ARM SIGNAL POLE
- METAL POLE
- WOOD POLE
- CONCRETE POLE
- CONDUIT
- TRENCHED CONDUIT
- DIRECTIONAL DRILLED CONDUIT
- GROUND MOUNTED SIGNAL CABINET
- JUNCTION BOX
- JUNCTION BOX WITH FIBER OPTIC SPLICE ENCLOSURE
- ABANDONED. SEE UTILITY PLAN

EXISTING / PROPOSED
- WATER SERVICE LINE
- STORM SEWER
- SANITARY SEWER LINE
- GAS LINE
- WATER LINE
- UNDERGROUND POWER LINE
- FIBER OPTIC LINE
- TELEVISION LINE
- SIGNAL CONDUIT

EXISTING
- STREET LIGHT
- FIRE HYDRANT
- MATURE TREE
- HANDHOLE
- WATER VAULT
- GAS VALVE
- GAS TEST STATION

EXISTING
- CITY DPS MANHOLE
- STORMWATER MANHOLE
- SANITARY SEWER MANHOLE
- WATER MANHOLE
- ELECTRIC MANHOLE
- TELECOMMUNICATIONS MANHOLE
- WATER METER OR VALVE
- STORMWATER INLET

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
COMMUNICATIONS PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY	SCALE	DATE	SHEET	DRAWING NO.
JMI	JMI	JSB	ACL	1" = 25'	12/19/2025	II(8)	0-28888

Drawing name: K:\RIC_TP1\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\7(1) SIGNING INDEX, NOTES AND LEGEND.dwg 7(1) SIGNING INDEX NOTES AND LEGEND Dec 19, 2025 7:32pm by: Zachary.Sorby
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STANDARD SIGN LEGEND

PLAN ITEM	PLAN SYMBOL	
	PROPOSED	EXISTING
Single Post Sign Support		
Double Post Sign Support		
Triple Post Sign Support		
Flashing Beacon		
O/H Cantilever Sign Support		
O/H Span Sign Support		

SIGN CALL-OUTS

Existing Sign to Remain or to be Relocated

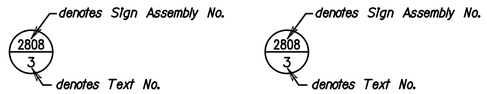
Existing Sign to be Removed

Proposed Sign Panel

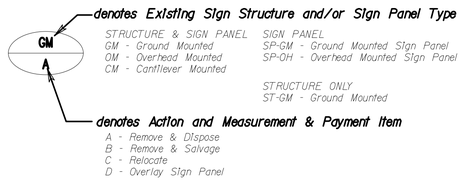
SIGN LABELS

Proposed Sign Assemblies

Relocated Sign Assemblies



Sign Relocation or Payable Sign Disposal/Salvage



Signs noted on plans to be removed that do not have an accompanying sign label shall not be measured separately for payment. Removal and disposal for such signs shall be incidental to other contract items.

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION:
12(1)	INDEX OF SHEETS, GENERAL NOTES, & LEGEND
* *****	SIGN SCHEDULE
12(3) THRU 12(8)	SIGNING PLANS

* NOT INCLUDED THIS SUBMITTAL

GENERAL NOTES – SIGNING

1. ALL SIGNS SHALL BE ORIENTATED AS SHOWN ON THE PLANS.
2. SIGN COLOR COMBINATIONS SHALL BE IN ACCORDANCE WITH THE FHWA SHS BOOK AND THE 2011 VIRGINIA SHS BOOK OR AS NOTED IN THE PLANS.
3. ALL POSITIVE CONTRAST GUIDE AND SPECIFIC SERVICE SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L–3 OR L–4 UNLESS OTHERWISE NOTED IN THE REMARKS OF THE SIGN SCHEDULE SHEET 8(2). ALL OTHER SIGNS SHALL UTILIZE FABRICATION LETTER TYPE L–1 OR L–2 UNLESS OTHERWISE NOTED IN THE REMARKS.
4. ALL BLACK SHEETING SHALL BE NON–REFLECTIVE.
5. ALL SIGN BACKS SHALL BE FINISHED BY THE FABRICATOR BLACK ON THE REVERSE SIDE VERSUS STANDARD GALVANIZED FINISH.
6. EACH INDIVIDUAL SIGN PANEL SHALL HAVE A FACTORY APPLIED STICKER DEPICTING THE FABRICATION DATE IN MONTH DAY, YEAR FORMAT ON THE BACK OF THE SIGN. STICKER SHALL BE WEATHER RESISTANT. ALL COSTS OF THIS STICKER SHALL BE CONSIDERED INCIDENTAL TO SIGN PANEL WITH NO SEPARATE PAYMENT THERETO.
7. SIGN STRUCTURES SHALL BE INSTALLED PER THE NOTED SIGN ST'D.
8. ALL ST'D. STP–1 STRUCTURES TO BE SINGLE POST UNLESS OTHERWISE NOTED.

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS

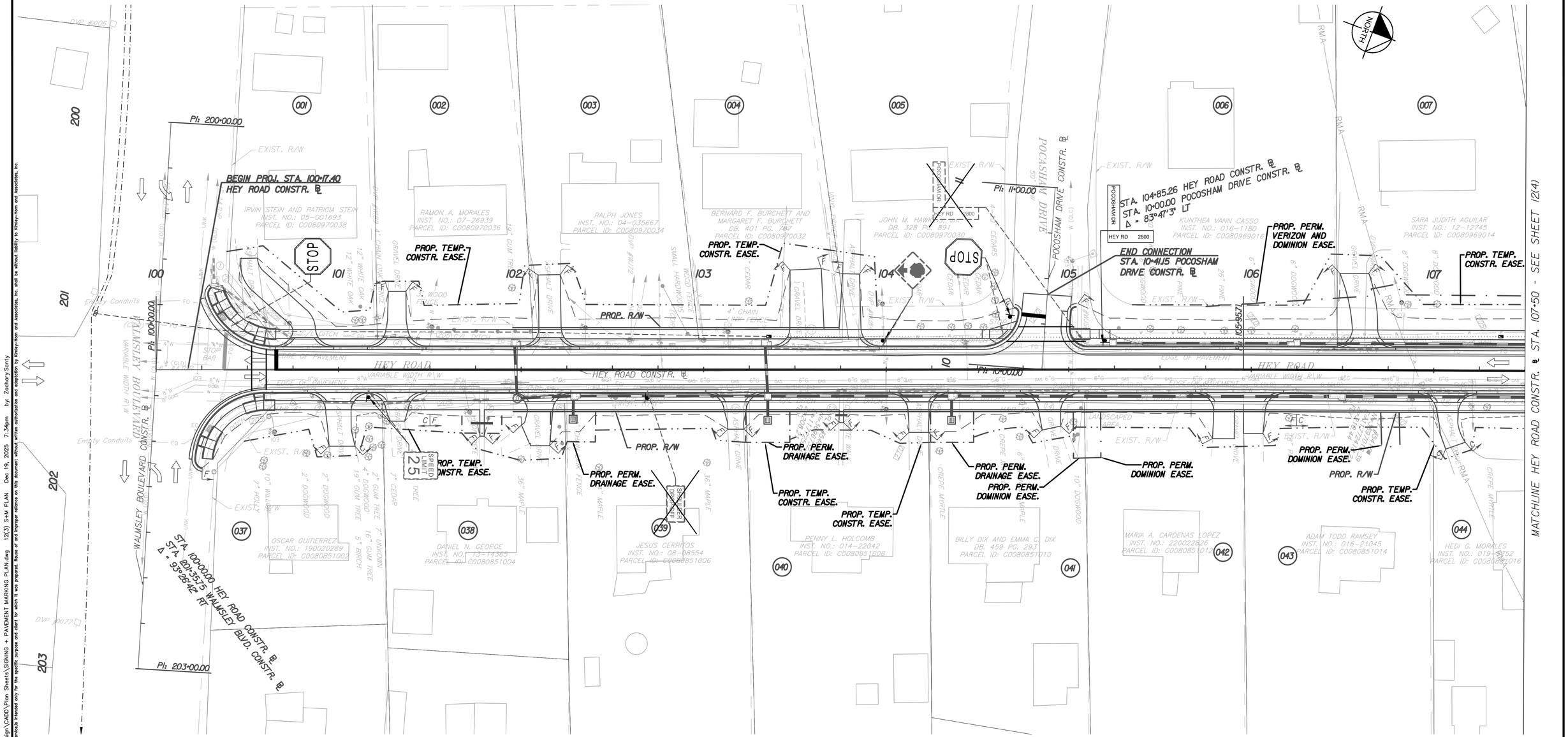
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000–127–R31, P101, RW201, C501

DESIGN BY: AMB DRAWN BY: CHECKED BY: JHO	REVIEWED BY AS		SCALE	DATE 12/19/2025	SHEET 12(1)	DRAWING NO. 0–28888

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\SIGNING + PAVEMENT MARKING PLAN.dwg 12(3) S+M PLAN Dec 19, 2025 7:34pm by: Zachary.Sorby
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REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC)	
Survey Alignment Data	1D
Construction Alignment Data	1E
Roadway	3
Roadway Profile	3A
E&S Phase I Plan	3B
E&S Phase II Plan	3C
Entrance Profiles	3D THRU 3E
Utilities Plan	10(3) THRU 10(8)
Communication Plan	11(1) THRU 11(8)
SIGNING & MARKING NOTES & INDEX	12(1)
SIGNING SCHEDULE	*****

RW PLANS

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Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
SIGNING & PAVEMENT MARKING PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	12(3)	0-28888
CHECKED BY: JHO						

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Richmond, Virginia
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Drawing name: K:\RIC_TP1\011357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\SIGNING + PAVEMENT MARKING PLAN.dwg 12(4) S+M PLAN Dec 19, 2025 7:35pm by: Zachary.Sorby
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MATCHLINE HEY ROAD CONSTR. ℄ STA. 107+50 - SEE SHEET 12(3)

MATCHLINE HEY ROAD CONSTR. ℄ STA. 115+25 - SEE SHEET 12(5)

NORTH

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

HEY ROAD CONSTR. ℄

PROP. R/W

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. R/W

PROP. PERM. DRAINAGE EASE.

STA. 113+49.80 HEY ROAD CONSTR. ℄
STA. 20+00.00 BLENDWELL RD CONSTR. ℄
Δ = 88°9'43" RT

PROP. TEMP. CONSTR. EASE.

END CONNECTION
STA. 20+33.71
BLENDWELL RD.
CONSTR. ℄

PI: 20+00.00

PI: 21+00.00

PC: 112+24.29

PT: 20+14.36

PT: 20+25.69

HEY ROAD CONSTR. ℄

BLENDWELL ROAD CONSTR. ℄

HEY ROAD

BLENDWELL ROAD

STOP

HEY RD 2800

EXIST. R/W

EDGE OF PAVEMENT

VARIABLE WIDTH R/W

008 009 010 011 012 013 014 044 045 046 047 048 049 050 051 052

ROBERT T. JOHNSON
INST. NO.: 01-5443
PARCEL ID: C0080851012

KEITH A. GRAVES AND MARIS A. GRAVES
INST. NO.: 06-7749
PARCEL ID: C0080969010

BRYAN MARTIN WILLIAMS
INST. NO.: 210017834
PARCEL ID: C0080969006

BRYAN MARTIN WILLIAMS
INST. NO.: 210017834 (R.C.C.)
PARCEL ID: C0080969002

CHERYL A. MOORE
DB. 0379 PG. 0292
PARCEL ID: C0080848121

WILLIE JAMES WALKER
DB. 0443 PG. 1610
PARCEL ID: C0080848120

HEIDI G. MORALES
INST. NO.: 01-5052
PARCEL ID: C0080851016

ROLAND A. DELAINE
INST. NO.: 01-5036
PARCEL ID: C0080851018

WILLIE J. MAYFIELD AND MARGARET Y. MAYFIELD
DB. 0114 PG. 1455
PARCEL ID: C0080851022

MARIO TAPERIA LUIS
INST. NO: 220016744
PARCEL ID: C0080851024

GEORGE W. HUSKERSON AND BERNICE B. HUSKERSON
DB. 288 PG. 1210
PARCEL ID: C0080851026

WILLIE J. MAYFIELD AND MARGARET Y. MAYFIELD
DB. 0114 PG. 1455
PARCEL ID: C0080851020

TERESA D. WALTZ
DOUGLAS W. WALTZ
DIANN W. STEVENS
INST. NO.: 018-145
PARCEL ID: C0080851028

TERESA D. WALTZ, DOUGLAS W. WALTZ, DIANN W. STEVENS
INST. NO.: 018-145
PARCEL ID: C0080851032

EARNIE L. POWERS AND MARGIE W. POWERS
INST. NO.: 07-17125
PARCEL ID: C0080772004

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

Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway	4
Roadway Profile	4A
E&S Phase I Plan	4B
E&S Phase II Plan	4C
Entrance Profiles	4D THRU 4E
Utilities Plan	10(3) THRU 10(8)
Communication Plan	11(1) THRU 11(8)
SIGNING & MARKING NOTES & INDEX	12(1)
SIGNING SCHEDULE	*****

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
SIGNING & PAVEMENT MARKING PLAN

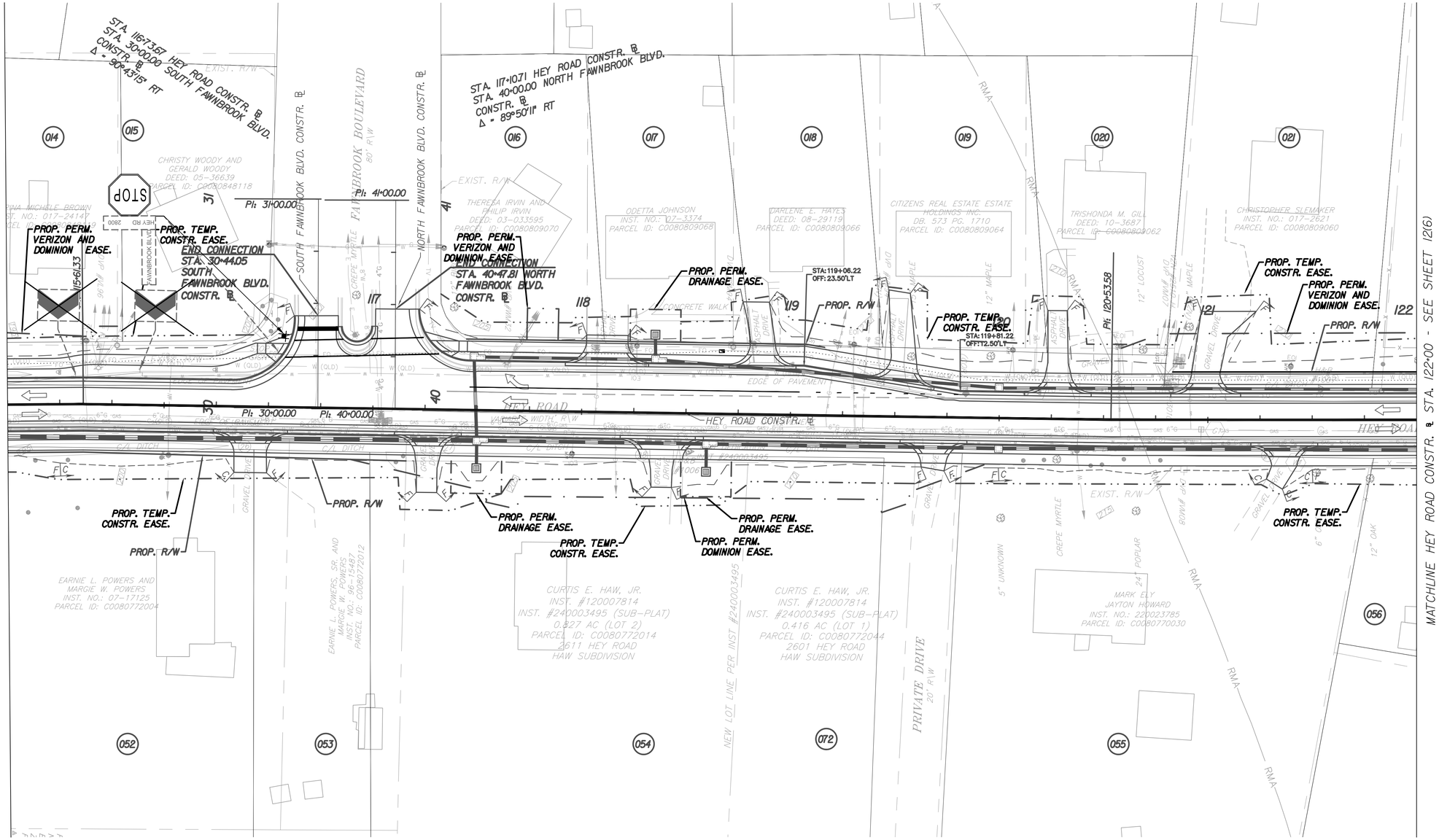
AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	12(4)	0-28888
CHECKED BY: JHO						

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

Drawing name: K:\RIC_TP\CV\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\SIGNING + PAVEMENT MARKING PLAN.dwg 12(5) S+M PLAN Dec 19, 2025 7:35pm by: Zachary.Sorby
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REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC)	
Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway	5
Roadway Profile	5A
E&S Phase I Plan	5B
E&S Phase II Plan	5C
Entrance Profiles	5D THRU 5E
Utilities Plan	10(3) THRU 10(8)
Communication Plan	11(1) THRU 11(8)
SIGNING & MARKING NOTES & INDEX	12(1)
SIGNING SCHEDULE	*****

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1751

HEY ROAD IMPROVEMENTS
SIGNING & PAVEMENT MARKING PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY: JHO	AS		1" = 25'	12/19/2025	12(5)	0-28888
CHECKED BY: JHO						

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\SIGNING + PAVEMENT MARKING PLAN.dwg 12(6) S+M PLAN Dec 19, 2025 7:36pm by: Zachary.Sorby
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MATCHLINE HEY ROAD CONSTR. ℄ STA. 122+00 - SEE SHEET 12(5)

MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 12(7)

NORTH

STA. 128+98.16 HEY ROAD CONSTR. ℄
STA. 70+00.00 NESTLE AVENUE CONSTR. ℄
Δ = 83°53'71" LT

END CONNECTION
STA. 70+53.85 NESTLE AVE.
CONSTR. ℄

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. TEMP. CONSTR. EASE.

PROP. R/W

HEY ROAD CONSTR. ℄

Pi: 50+00.00

Pi: 60+00.00

Pi: 70+00.00

Pi: 71+00.00

STA:129+71.27
OFF: 23.47' LT

PROP. PERM. DRAINAGE EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. PERM. DOMINION EASE.

END CONNECTION
STA. 60+50.00 ADLER RD.
CONSTR. ℄

PROP. PERM. DOMINION EASE.

PROP. TEMP. CONSTR. EASE.

PROP. TEMP. CONSTR. EASE.

PROP. PERM. DRAINAGE EASE.

PROP. PERM. DOMINION EASE.

END CONNECTION
STA. 50+35.29 MAST
DRIVE CONSTR. ℄

PROP. PERM. DOMINION EASE.

Pi: 51+00.00

Pi: 61+00.00

STA. 123+47.63 HEY ROAD CONSTR. ℄
STA. 50+00.00 MAST DRIVE CONSTR. ℄
Δ = 100°44'4" RT

STA. 126+72.69 HEY ROAD CONSTR. ℄
STA. 60+00.00 ADLER ROAD CONSTR. ℄
Δ = 100°44'11" RT

VESTAL AVENUE

NESTLE AVENUE

ADLER ROAD

MAST DRIVE

HEY ROAD

VARIABLE WIDTH R/W

EXIST. R/W

EDGE OF PAVEMENT

C/L DITCH

4' CHAIN LINK FENCE

STOP

HEY RD 2800

NESTLE AVE

SPEED LIMIT 25

022 023 024 025 026 027 028

056 057 058 059 060 061 062

JOSUE ORLELLANA FUENTES
INST. NO.: 017-4370
PARCEL ID: C0080809052

JOSUE ORLELLANA FUENTES
INST. NO.: 017-4370
PARCEL ID: C0080809050

VICTOR SANTARUZ CRESPIN
INST. NO.: 015-19290
PARCEL ID: C0080809048

THOMASINE ROGERS AND
CASSIE CLARK
INST. NO.: 070-29322
PARCEL ID: C0080809046

DOROTHY H. FORBES
DB. 433 PG. 11
PARCEL ID: C0080809038

KAREN ZOELLNER HOGAN
INST. NO.: 018-926
PARCEL ID: C0080809034

DAYLE Z. WILLIAMS
INST. NO.: 015-1231
PARCEL ID: C0080770002

STEVEN JONES AND EMILY HAYES-JONES
INST. NO.: 016-20213
PARCEL ID: C0080730016

JAMES COLIN WILKINSON, JR.
AND GLADYS WALLACE WILKINSON
INST. NO.: 96-18895
PARCEL ID: C0080730020

JAMES COLIN WILKINSON, JR.
AND GLADYS WALLACE WILKINSON
DB. 792 PG. 114
PARCEL ID: C0080730018

TRM PROPERTIES, LLC
INST. NO.: 08-11749
PARCEL ID: C0080689024

LINDA A. KIRBY
INST. NO.: 04-028512
PARCEL ID: C0080689026

PAUL A. SMITH AND
VICKAY M. SMITH
DB. 0387 PG. 0996
PARCEL ID: C0080689028

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

Survey Alignment Data	ID
Construction Alignment Data	IE
Roadway	6
Roadway Profile	6A
E&S Phase I Plan	6B
E&S Phase II Plan	6C
Entrance Profiles	6D THRU 6E
Utilities Plan	10(3) THRU 10(8)
Communication Plan	11(1) THRU 11(8)
SIGNING & MARKING NOTES & INDEX	12(1)
SIGNING SCHEDULE	*****

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

No.	REVISIONS	DATE	BY

HEY ROAD IMPROVEMENTS
SIGNING & PAVEMENT MARKING PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	12(6)	0-28888
CHECKED BY: JHO						

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

This document, together with the concepts and designs presented herein, as 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.

Drawing name: K:\RIC_TPTO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\SIGNING + PAVEMENT MARKING PLAN.dwg 12(7) S+M PLAN Dec 19, 2025 7:36pm by: Zachary.Sorby

MATCHLINE HEY ROAD CONSTR. ℄ STA. 129+75 - SEE SHEET 12(6)

MATCHLINE HEY ROAD CONSTR. ℄ STA. 137+50 - SEE SHEET 12(8)

NORTH

HEY ROAD CONSTR. ℄

HEY ROAD

EXIST. R/W

EDGE OF PAVEMENT

STA:130+21.67
OFF:12.46'LT

PT: 130+26.50

PT: 80+00.00

PT: 81+00.00

PT: 135+76.50

Δ: 14°07'51"

PROP. TEMP. CONSTR. EASE.

PROP. PERM. VERIZON AND DOMINION EASE.

PROP. R/W

PROP. PERM. DRAINAGE EASE.

END CONNECTION STA. 80+40.31 SNEAD RD. CONSTR. ℄

STA. 130+41.04 HEY ROAD CONSTR. ℄
Δ = 103°18'18" LT
STA. 80+00.00 SNEAD ROAD CONSTR. ℄

STOP

SNEAD ROAD CONSTR. ℄

HEY RD 2800

CANDY S. SMITH
INST. NO.: 03-041254
PARCEL ID: C0080809022

ROMEO A RESINOS
INST. NO.: 210012756
PARCEL ID: C0080809020

EDWIN G. SAZO
INST. NO.: 200022408
PARCEL ID: C0080809018

GERALD R. AND PAULA E. MARTIN
INST. NO.: 14-18603
PARCEL ID: C0080809010

2122/2120 HEY ROAD SERIES
LUCKY RUN HOLDINGS
BUSINESS TRUST
INST. NO.: 250000925
PARCEL ID: C0080809006

SHARON WHITAKER-ROWE
AND LEWIS WAVERLY ROWE
INST. NO.: 017-18886
PARCEL ID: C0080610028

KATHY R. BROWN
INST. NO.: 03-045680
PARCEL ID: C0080610030

ELIZABETH F. ROBERTSON
INST. NO.: 019-4086
PARCEL ID: C0080610032

JUAN TARDIO
LEOBARDO ROMERO
INST. NO.: 019-2831
INST. NO.: 014-1413
PARCEL ID: C0080610034

LESLIE CROWE
SAMUEL CROWE
INST. NO.: 10-17891
PARCEL ID: C0080530040

028 029 030 032 033 062 065 066 067 068

130 131 132 133 134 135 136 137

500YR-FLD

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

Survey Alignment Data	1D
Construction Alignment Data	1E
Roadway	7
Roadway Profile	7A
E&S Phase I Plan	7B
E&S Phase II Plan	7C
Entrance Profiles	7D THRU 7E
Utilities Plan	10(3) THRU 10(8)
Communication Plan	11(1) THRU 11(8)
SIGNING & MARKING NOTES & INDEX	12(1)
SIGNING SCHEDULE	*****

RW PLANS

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

Kimley-Horn and Associates, Inc.
Richmond, Virginia
TRAFFIC ENGINEER

No.	REVISIONS	DATE	BY

GRAPHIC SCALE IN FEET
0 12.5 25 50

Kimley»Horn
Kimley-Horn and Associates, Inc.
1700 WILLOW LAWN DR, SUITE 200
RICHMOND, VIRGINIA 23230
Tel. 804-673-3882

CITY OF RICHMOND ESTABLISHED 1737

HEY ROAD IMPROVEMENTS
SIGNING & PAVEMENT MARKING PLAN

AUTHORITY: CITY OF RICHMOND, DEPARTMENT OF PUBLIC WORKS

VDOT PROJECT NO.: U000-127-R31, P101, RW201, C501

DESIGN BY: AMB	REVIEWED BY		SCALE	DATE	SHEET	DRAWING NO.
DRAWN BY:	AS		1" = 25'	12/19/2025	12(7)	0-28888
CHECKED BY: JHO						

Kimley-Horn and Associates, Inc.
Richmond, Virginia
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Drawing name: K:\RIC_TP\TO\113357_RIC_On_Call\004_Hey Road Design\CADD\Plan Sheets\SIGNING + PAVEMENT MARKING PLAN.dwg 12(8) S+M PLAN Dec 19, 2025 7:36pm by: Zachary.Sorby
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APPROXIMATE P/L – C/L OF POCOSHAM CREEK

PROP. R/W

PERMANENT EASEMENT ACQUIRED BY THE CITY OF RICHMOND DPW 0-21148

PROP. TEMP. CONSTR. EASE.

PROP. PERM DRAINAGE EASE.

LENA ESTHER HAAS AND AARON CHRISTIAN HAAS INST. NO.: 02-019991 PARCEL ID: C00806050

JAMES D. SATTERWHITE, SR AND KANDY C. SATTERWHITE INST. NO.: 99-8606 PARCEL ID: C00806004

MATCHLINE HEY ROAD CONSTR. ℄ STA. 137+50 - SEE SHEET 12(7)

HEY ROAD CONSTR. ℄

HEY ROAD

PC: 138+58.50

PROP. TEMP. CONSTR. EASE.

LESLIE CROWE SAMUEL CROWE INST. NO.: 10-17891 PARCEL ID: C00805300

AQUIRED BY THE CITY OF RICHMOND AND PARCEL ID: DPW 0-21148

PERMANENT EASEMENT ACQUIRED BY THE CITY OF RICHMOND DPW 0-21148

MIXED HARDWOODS

EXIST. R/W

PROP. TEMP. CONSTR. EASE.

END PROJ. STA. 143+82.52 HEY ROAD CONSTR. ℄

AARON & HAAS PARCEL ID: C00806060

SPEED LIMIT 25

6FT CHAINLINK FENCE

INV=167.58'

PROP. R/W

HEY ROAD

CURBABLE WIDTH R/W

STA: 141+93.93 OFF: 11.03'RT

PRC: 142+15.79

STA: 142+93.79 OFF: 22.03'RT

RMA

500YR-FLD

HULL STREET ROAD 360 VARIABLE WIDTH R/W

HULL STREET ROUTE 360

PI: 144+10.96

PT: 143+17.89

H&B TBAR #104

H&B TBAR #101

H&B TBAR #102

GRTC Sta. 12+48.25 No. 12288 CONC. PAD

Prop. 10' Shared Use Path

City of Richmond Std C46

PT: 305+00.00

STA. 144+10.96 HEY ROAD CONSTR. ℄
STA. 301+57.53 HULL STREET ROAD CONSTR. ℄
Δ = 90°6'14" RT

Prop. 5' Sidewalk

City of Rich...

Std. M-...

CASMAN K. SAMUEL AND MARK R. JONES INST. NO.: 03-021367 PROBATE: 05-46-2 PARCEL ID: C00805300

160' Std. CG-9D Ent. Type Prop. Grade 5260'

NORTH

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

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