

11/8/2021 5:34:23 PM MeganCampbell
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PROJECT MANAGER B. SMITH (804) 748-1037 (COUNTY OF CHESTERFIELD)
SURVEYED BY H&B SURVEY & MAPPING, LLC 6-24-20
DESIGN SUPERVISED BY CATHERINE HYLAND, P.E. (KIMLEY-HORN)
DESIGNED BY KIMLEY-HORN
SUBSURFACE UTILITIES BY WERAMAP CORPORATION 6-16-20

FOR INDEX OF SHEETS SEE SHEET 1A



CHESTERFIELD DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

CHESTERFIELD COUNTY
ROUTE 1121 (BESSIE LANE)

FROM: INT. WITH ROUTE 1107 (E RIVER ROAD)
TO: 0.11 MI W. OF ROUTE 1107 (E RIVER ROAD)

WATER QUALITY SUMMARY

This project is required to reduce the total phosphorus load under the technical criteria defined in Part IIB of VSMP Regulation 9VAC25-870-62. This criteria is satisfied through the reduction of impervious land cover for the applicable site.

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

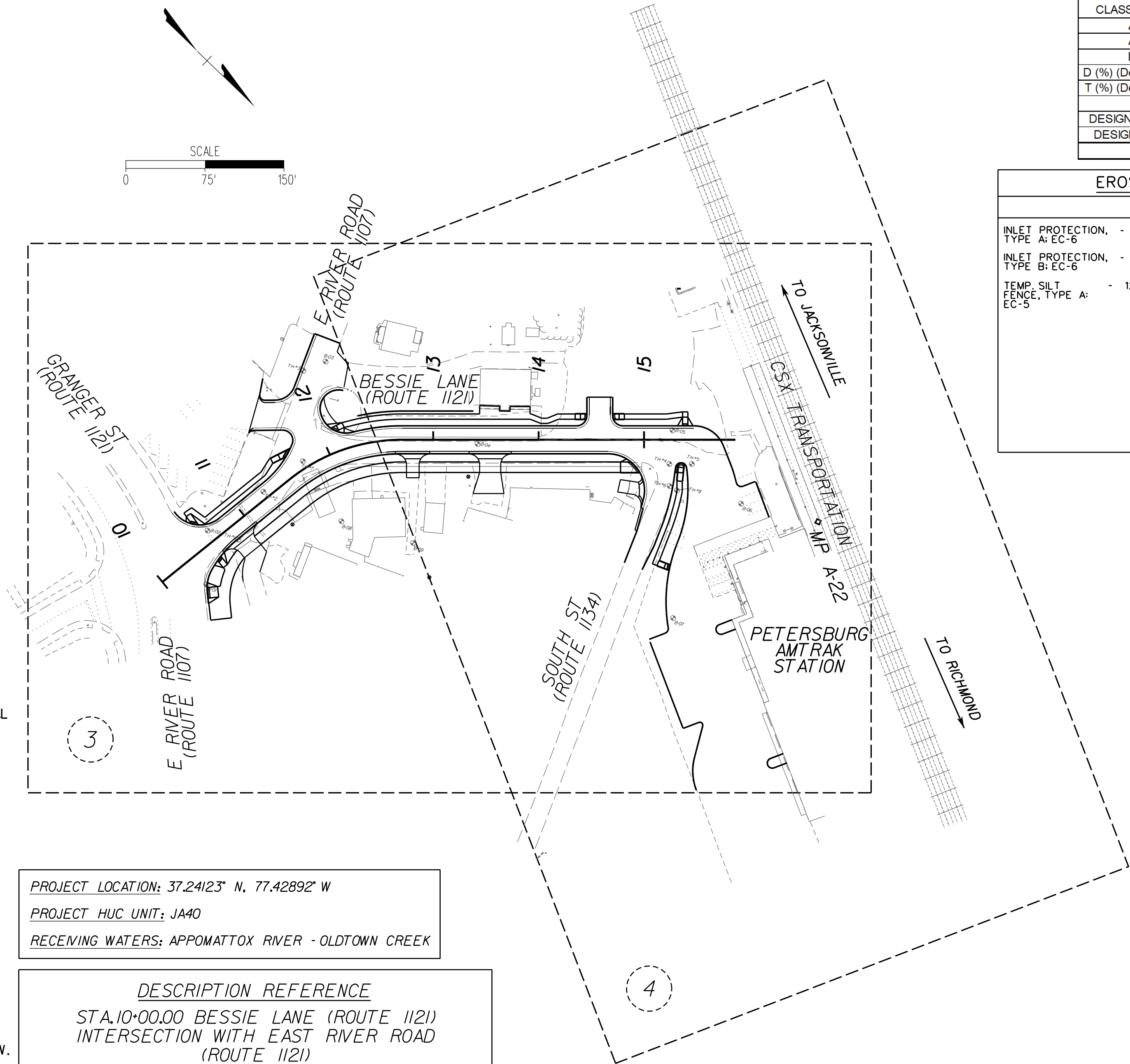
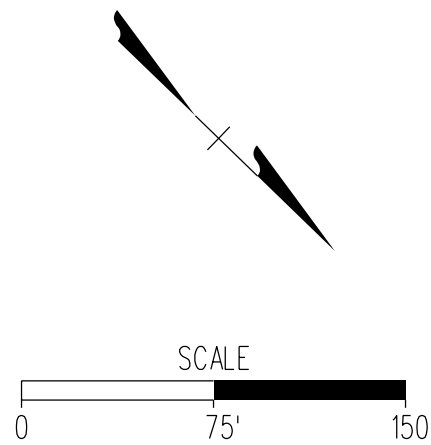
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE CHESTERFIELD COUNTY TRANSPORTATION DEPARTMENT, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. FOR INFORMATION RELATIVE TO ELECTRONIC FILES AND LAYERED PLANS, SEE THE GENERAL NOTES.

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL REV. 2 AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC5.11ULS, EXCEPT WHERE OTHERWISE NOTED.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE CHESTERFIELD COUNTY TRANSPORTATION DEPARTMENT. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.



PROJECT LOCATION: 37.24123° N, 77.42892° W
PROJECT HUC UNIT: JA40
RECEIVING WATERS: APPOMATTOX RIVER - OLDTOWN CREEK

DESCRIPTION REFERENCE
STA. 10+00.00 BESSIE LANE (ROUTE 1121)
INTERSECTION WITH EAST RIVER ROAD (ROUTE 1121)

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	1121		1

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

RW PLANS

11/5/2021

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

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA			
CLASSIFICATION	ROUTE 1121 (BESSIE LANE)	ROUTE 1134 (SOUTH STREET)	ROUTE 1107 (E. RIVER ROAD)
ADT (2020)	820	130	16000
ADT (2042)	1,020	162	20000
DHV (2040)	100	16	2,000
D (%) (Design Hour)	50-50	50-50	60-40
T (%) (Design Hour)	1%	1%	1%
V (MPH)	25 MPH	25 MPH	35 MPH
DESIGN CRITERIA	GS-7	GS-8	GS-8
DESIGN VEHICLE	BUS-45 OR SU-40	SU-40	SU-40
SEE PLAN AND PROFILE SHEETS FOR HORIZONTAL AND VERTICAL CURVE DESIGN SPEED			

EROSION & SEDIMENT CONTROL ITEMS (NOT FOR BID PURPOSES)			
PHASE 1		PHASE 2	
INLET PROTECTION, - 4 EA TYPE A: EC-6	CHECK DAM (ROCK) - 8 EA. TYPE II: EC-4	INLET PROTECTION, - 1 EA TYPE A: EC-6	TEMP. SILT FENCE, TYPE A: - 1284 LF EC-5
INLET PROTECTION, - 7 EA TYPE B: EC-6		INLET PROTECTION, - 16 EA TYPE B: EC-6	DEWATERING BASIN: - 1 EA EC-8
TEMP. SILT FENCE, TYPE A: - 1284 LF EC-5		CHECK DAM (ROCK) - 8 EA. TEMPORARY SEED: - 25 LB.	

TOTAL DISTURBED AREA (ACRES)	1.20 AC
NEW IMPERVIOUS AREA (ACRES)	0.00 AC

LOCALLY ADMINISTERED PROJECTS

CHESTERFIELD COUNTY

NAME OF LOCALITY

(SIGNATURE)

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

DATE

DIRECTOR OF TRANSPORTATION

(SIGNATURE)

NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICIAL (TYPED)

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DATE

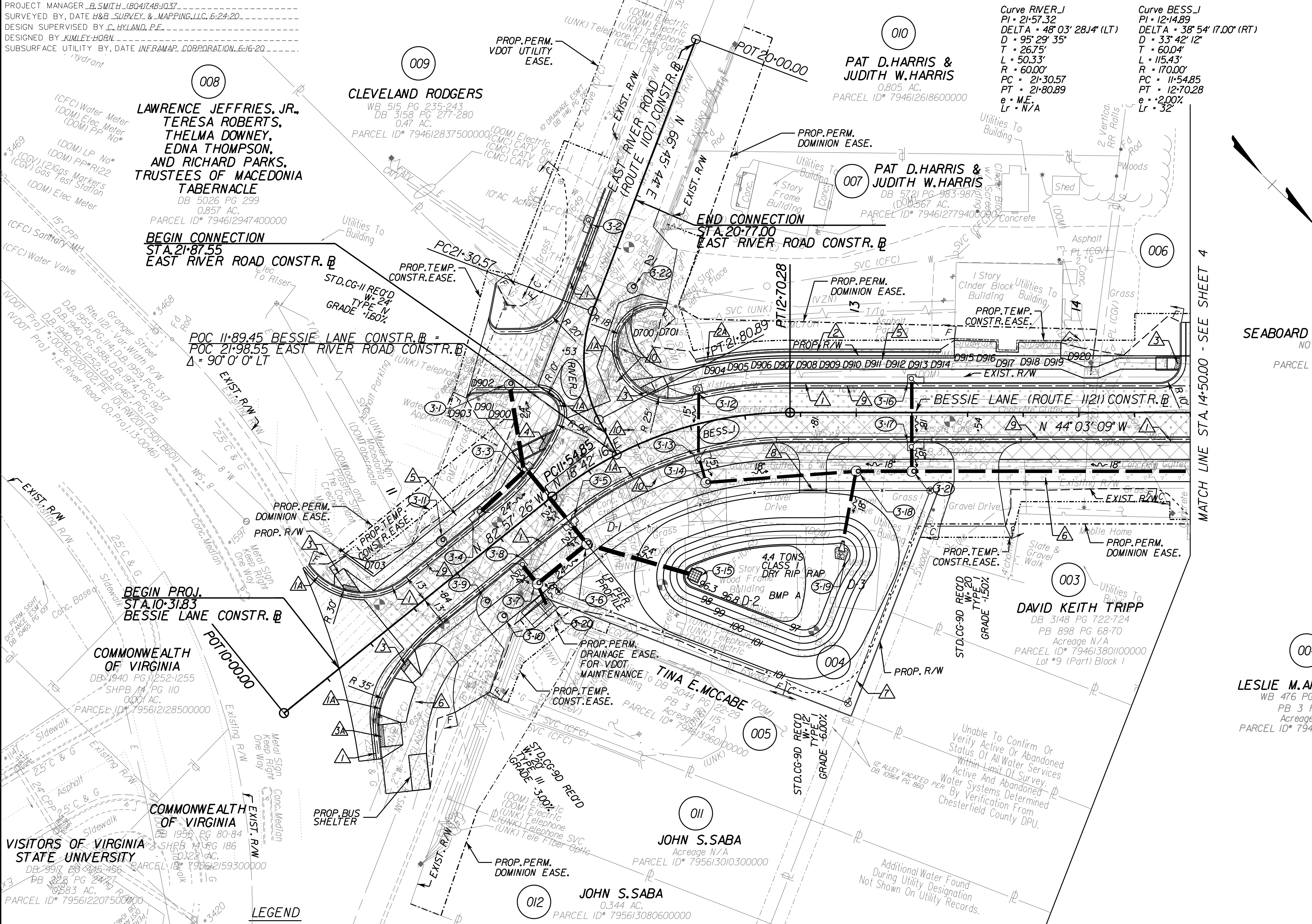
DIRECTOR OF TRANSPORTATION

Kimley-Horn & Associates
Richmond, Virginia
ROADWAY ENGINEER

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PROJECT	SHEET NO.
	1

PROJECT MANAGER: B. SMITH (804) 748-1037
SURVEYED BY: DATE H&B SURVEY & MAPPING, LLC, 6-24-20
DESIGN SUPERVISED BY: C. HYLAND, P.E.
DESIGNED BY: KIMLEY-HORN
SUBSURFACE UTILITY BY: DATE INFRAMAP CORPORATION, 6-16-20



REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1121			3
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT					
Kimley-Horn & Associates Richmond, Virginia ROADWAY ENGINEER					

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- LEGEND**
- PROPOSED FULL DEPTH PAVEMENT
 - PROPOSED LIGHT DUTY PAVEMENT
 - MILL/OVERLAY/BUILD UP PAVEMENT
 - PROPOSED CONCRETE ITEMS 4" DEPTH
 - PROPOSED CONCRETE ITEMS 7" DEPTH
 - PROP. DEMOLITION OF PAVEMENT
 - DENOTES CONSTRUCTION LIMITS IN CUTS
 - DENOTES CONSTRUCTION LIMITS IN FILLS
 - NOTE: DOT-DOT-DASHED LINES DENOTE TEMPORARY EASEMENTS.
 - NOTE: DOT-DASHED LINES DENOTE PERMANENT EASEMENTS.

- UTILITY OWNERS**
- ELECTRIC**
DOMINION VIRGINIA POWER (DOM)
7500 WEST BROAD STREET
RICHMOND, VA 23294
CONTACT: ROBERT CHENAULT
PHONE: (804) 317-1071
E-MAIL: Robert.A.Chenault@dominionenergy.com
- TELEPHONE / FIBER OPTIC**
ZAYO (ZAY)
CONTACT: BRADLEY LEATHERMAN
E-MAIL: bradley.leatherman@zayo.com
- TELEPHONE / FIBER OPTIC**
CENTURY LINK (CTL)
TULSA, OK 74103
CONTACT: RENZO THOMAS
E-MAIL: NationalRelo@centurylink.com
- TELEPHONE / FIBER OPTIC**
VERIZON (VZN)
CONTACT: MICHAEL ZIEGLER
PHONE: (804) 923-1645
MOBILE: (804) 513-0687
E-MAIL: mike.ziegler@verizon.com
- TELEPHONE / FIBER OPTIC**
SEGRA (SEGRA)
CONTACT: CARY BOWMAN
E-MAIL: cary.bowman@segra.com
- CATV / FIBER OPTIC**
COMCAST (CMC)
5401 STAPLES MILL ROAD
RICHMOND, VA 23228
CONTACT: WILLIAM CRUM
E-MAIL: William.Crum@comcast.com
- GAS**
COLUMBIA GAS OF VIRGINIA (CGV)
CONTACT: REX PARKER
E-MAIL: rparker@cmsource.com
- COASTAL CONSULTANTS**
CONTACT: JOHN NERDEN
PHONE: (804) 751-9097
MOBILE: (803) 321-0339
E-MAIL: jnerden@coastalcpcc.com
- WATER / SEWER**
CHESTERFIELD COUNTY
UTILITIES (CFC)
9840 GOVERNMENT CENTER PKWY
CHESTERFIELD, VA 23832
CONTACT: TIM EASTER
PHONE: (804) 748-1864
E-MAIL: EasterT@chesterfield.gov

SEABOARD COAST LINE RR CO
NO DEED FOUND
9.546 AC.
PARCEL ID* 795613057100000

DAVID KEITH TRIPP
DB 3148 PG 122-124
PB 898 PG 68-70
Acreage N/A
PARCEL ID* 794613801100000
Lot #9 (Part) Block 1

LESLIE M. ANDREWS, III.
WB 476 PG 567-574
PB 3 PG 115
Acreage N/A
PARCEL ID* 794612909900000

JOHN S. SABA
Acreage N/A
PARCEL ID* 795613010300000

JOHN S. SABA
0.344 AC.
PARCEL ID* 795613080600000

COMMONWEALTH OF VIRGINIA
DB 1940 PG 1252-1255
SHPB 11 PG 110
0.001 AC.
PARCEL ID* 795612128500000

COMMONWEALTH OF VIRGINIA
DB 1952 PG 80-84
SHRB 12 PG 186
50.122 AC.
PARCEL ID* 795612159300000

VISITORS OF VIRGINIA STATE UNIVERSITY
DB 99 PG 88-95
SHPB 12 PG 186
50.122 AC.
PARCEL ID* 795612207500000

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
SURVEY ALIGNMENT DATA	ID
CONSTRUCTION ALIGNMENT DATA	IF
BMP DETAIL SHEETS	2E(1), 2E(2)
DEMOLITION SUMMARY	2L
BESSIE LANE PROFILE	4A
SOUTH STREET PROFILE	4A
E&S PHASE 1 PLAN	4B
E&S PHASE 2 PLAN	4C
ENTRANCE PROFILES	4D
RIGHT OF WAY SHEET	4RW
DRAINAGE DESCRIPTIONS	5(1)
STORM PROFILES	5(2), 5(3)
LIGHTING PLAN	7(4)
LANDSCAPE PLAN	9(4)

RW PLANS

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

SCALE	PROJECT	SHEET NO.
0 25' 50'		3

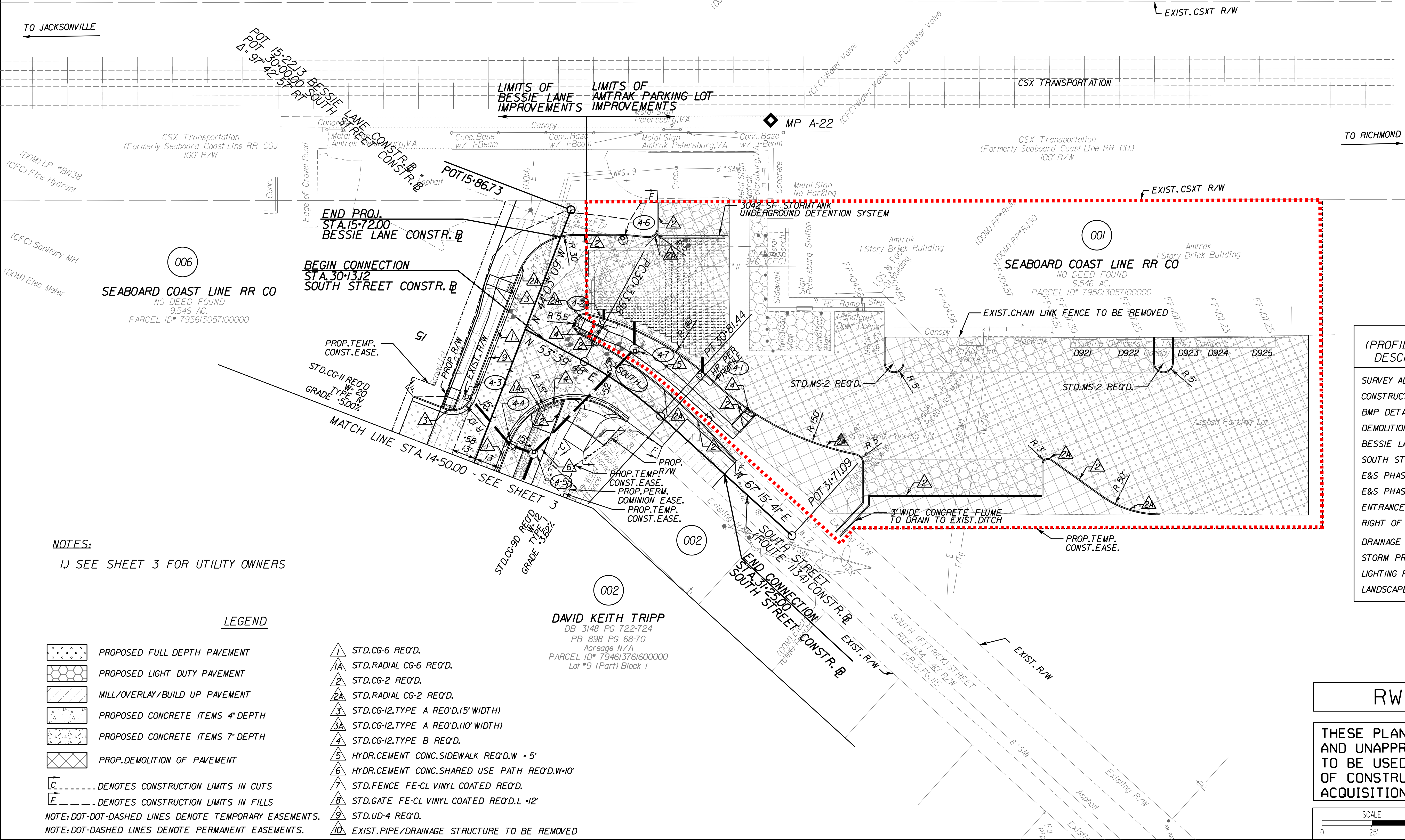
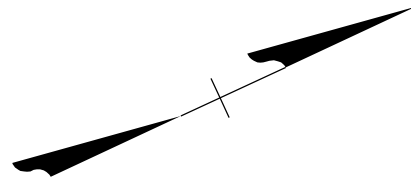
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REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	1121			4

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Kimley-Horn & Associates
Richmond, Virginia
ROADWAY ENGINEER

Curve SOUTH J
PI = 30+57.82
DELTA = 13° 35' 53.49" (RT)
D = 28° 38' 52"
T = 23.85'
L = 47.47'
R = 200.00'
PC = 30+33.98
PT = 30+81.44
e = M.E.
Lr = N/A



NOTES:
1) SEE SHEET 3 FOR UTILITY OWNERS

LEGEND

- PROPOSED FULL DEPTH PAVEMENT
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- MILL/OVERLAY/BUILD UP PAVEMENT
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- PROPOSED CONCRETE ITEMS 7" DEPTH
- PROP.DEMOLITION OF PAVEMENT

- STD.CG-6 REQ'D.
- STD.RADIAL CG-6 REQ'D.
- STD.CG-2 REQ'D.
- STD.RADIAL CG-2 REQ'D.
- STD.CG-12,TYPE A REQ'D.(15' WIDTH)
- STD.CG-12,TYPE A REQ'D.(110' WIDTH)
- STD.CG-12,TYPE B REQ'D.
- HYDR.CEMENT CONC.SIDEWALK REQ'D.W = 5'
- HYDR.CEMENT CONC.SHARED USE PATH REQ'D.W=10'
- STD.FENCE FE-CL VINYL COATED REQ'D.
- STD.GATE FE-CL VINYL COATED REQ'D.L 12'
- STD.UD-4 REQ'D.
- EXIST.PIPE/DRAINAGE STRUCTURE TO BE REMOVED

-----DENOTES CONSTRUCTION LIMITS IN CUTS
-----DENOTES CONSTRUCTION LIMITS IN FILLS

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