8/31/2018
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d9033908.dgn
Plotted By: WAP04107$

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
DESIGN BY Thomas E. Algner P.E. (804)786-1560 Central Office
SUBSURFACE UTILITY BY, DATE Leon E. Treutle LS (703)259-3224 7/17/13

ADDITIONAL EASEMENTS WILL BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

PH PLANS

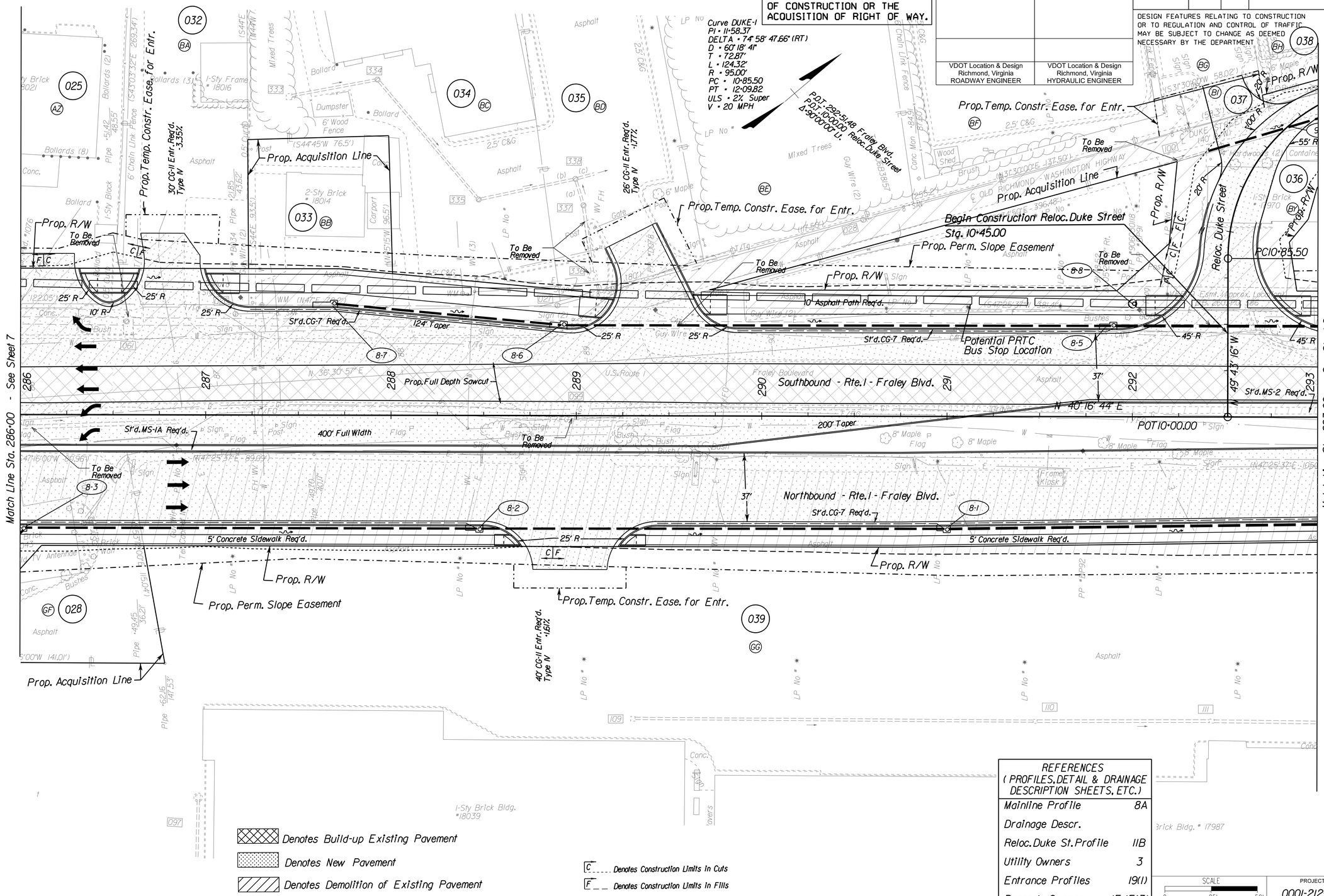
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

VDOT Location & Design
Richmond, Virginia
HYDRAULIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	8

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



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	8A
Drainage Descr.	
Reloc. Duke St. Profile	11B
Utility Owners	3
Entrance Profiles	19(1)
Property Owners	1E-1E(3)

SCALE 0 25' 50'

PROJECT	SHEET NO.
0001-212-249	8

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
DESIGN BY Thomas E. Algner P.E. (804)786-1560 Central Office
SUBSURFACE UTILITY BY, DATE Leon E. Treutle LS (703)259-3224 7/12/13

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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	9

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

VDOT Location & Design
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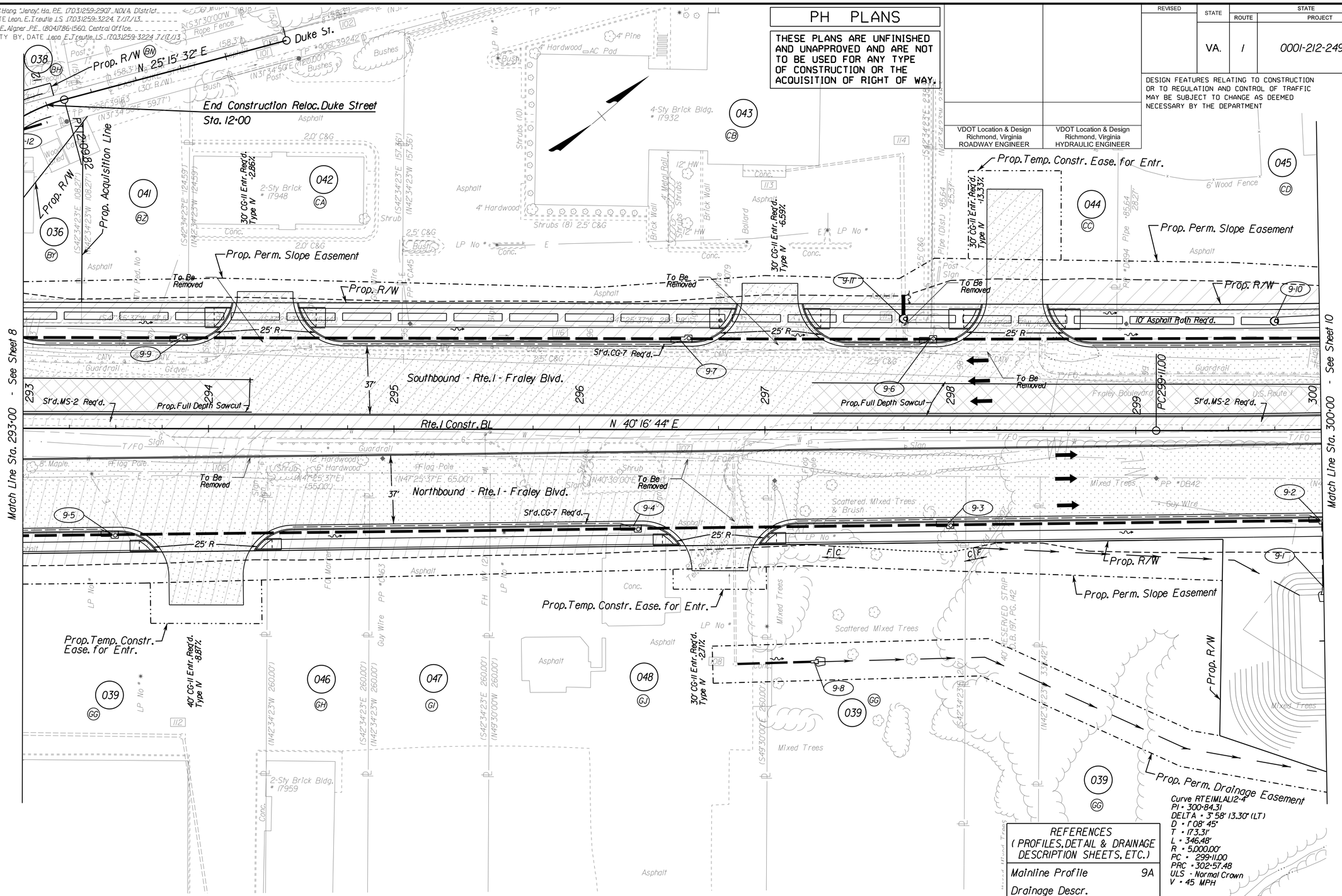
ROADWAY ENGINEER

VDOT Location & Design
Richmond, Virginia
HYDRAULIC ENGINEER



Denotes Build-up Existing Pavement

Denotes New Pavement

Denotes Demolition of Existing Pavement

C ..... Denotes Construction Limits In Cuts

F _ _ Denotes Construction Limits In Fills

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REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	9A
Drainage Descr.	
Utility Owners	3
Entrance Profiles	19(2)
Property Owners	1E-1E(3)

Curve RTE1MLAL12-4
PI = 300+84.31
DELTA = 3° 58' 13.30" (LT)
D = 1° 08' 45"
T = 173.31'
L = 346.48'
R = 5,000.00'
PC = 299+11.00
PRC = 302+57.48
ULS - Normal Crown
V = 45 MPH

SCALE 0 25' 50'

PROJECT	SHEET NO.
0001-212-249	9

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
DESIGN BY Thomas E. Aigner P.E. (804)786-1560 Central Office
SUBSURFACE UTILITY BY, DATE Leon E. Treutle LS (703)259-3224 7/17/13

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	10

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

VDOT Location & Design Richmond, Virginia ROADWAY ENGINEER	VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER

PH PLANS

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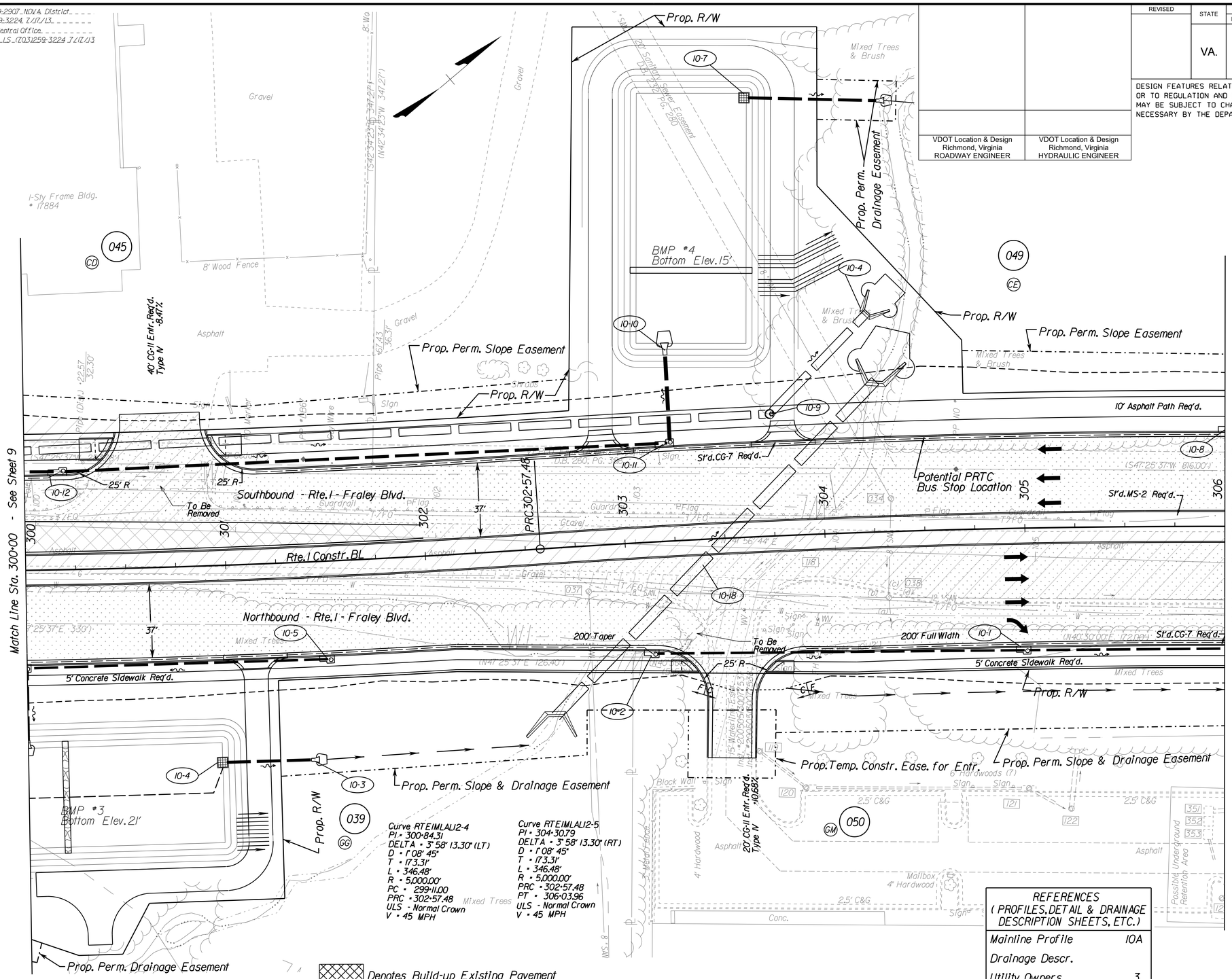

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	10A
Drainage Descr.	
Utility Owners	3
Entrance Profiles	19(2)
Property Owners	1E-1E(3)

ADDITIONAL EASEMENTS WILL BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

SCALE 0 25' 50'

PROJECT	SHEET NO.
0001-212-249	10

8/31/2018
2:41:37 PM

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Plotted By: WAP04107$

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
DESIGN BY Thomas E. Aigner P.E. (804)786-1560 Central Office
SUBSURFACE UTILITY BY, DATE Leon E. Treutle LS (703)259-3224 7/17/13

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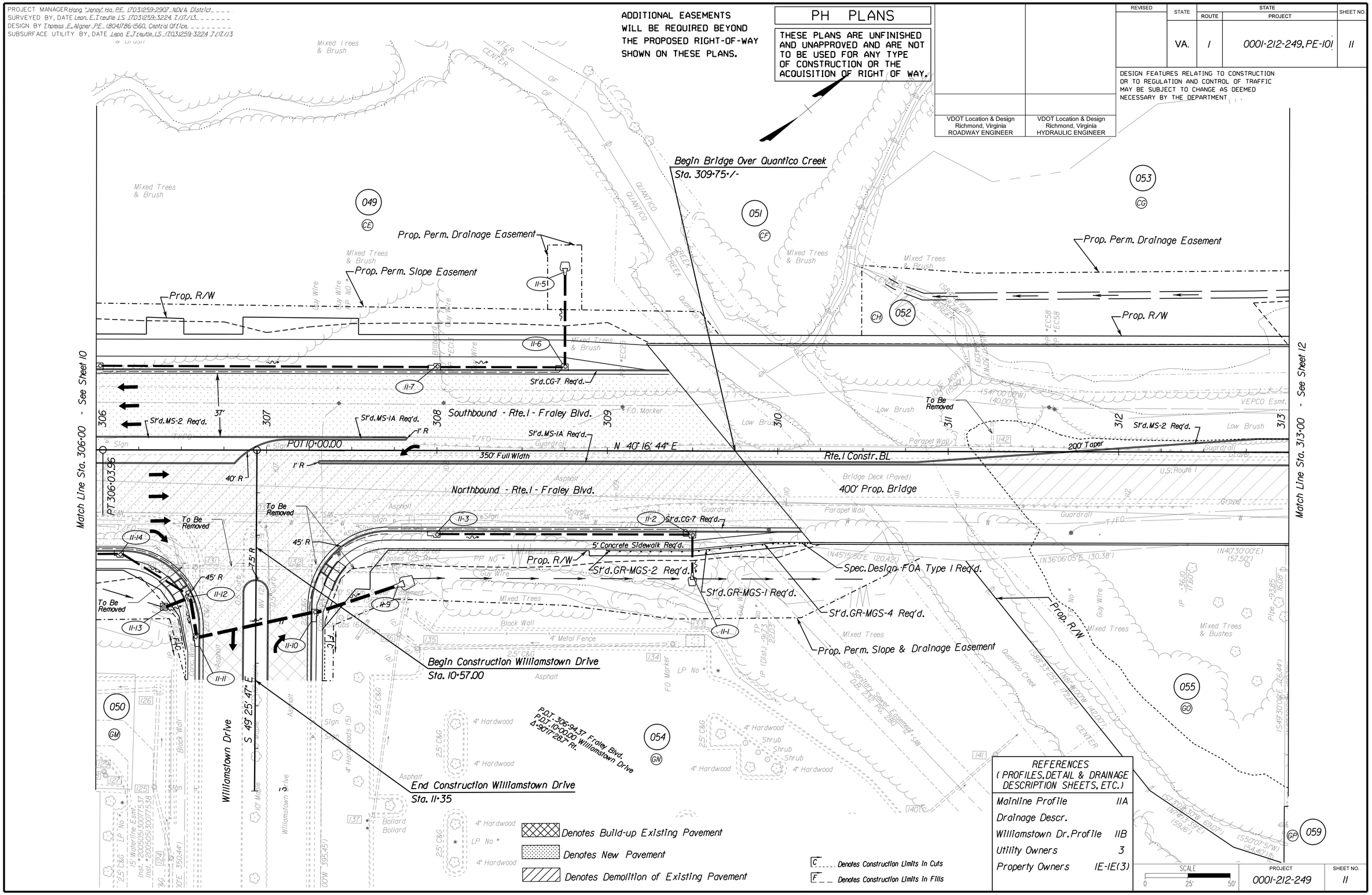
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	11

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

VDOT Location & Design Richmond, Virginia ROADWAY ENGINEER	VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER



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

Mainline Profile	11A
Drainage Descr.	
Williamstown Dr. Profile	11B
Utility Owners	3
Property Owners	1E-1E(3)

SCALE 0 25' 50'

PROJECT	SHEET NO.
0001-212-249	11

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
DESIGN BY Thomas E. Aigner P.E. (804)786-1560 Central Office
SUBSURFACE UTILITY BY, DATE Leon E. Treutle LS (703)259-3224 7/17/13

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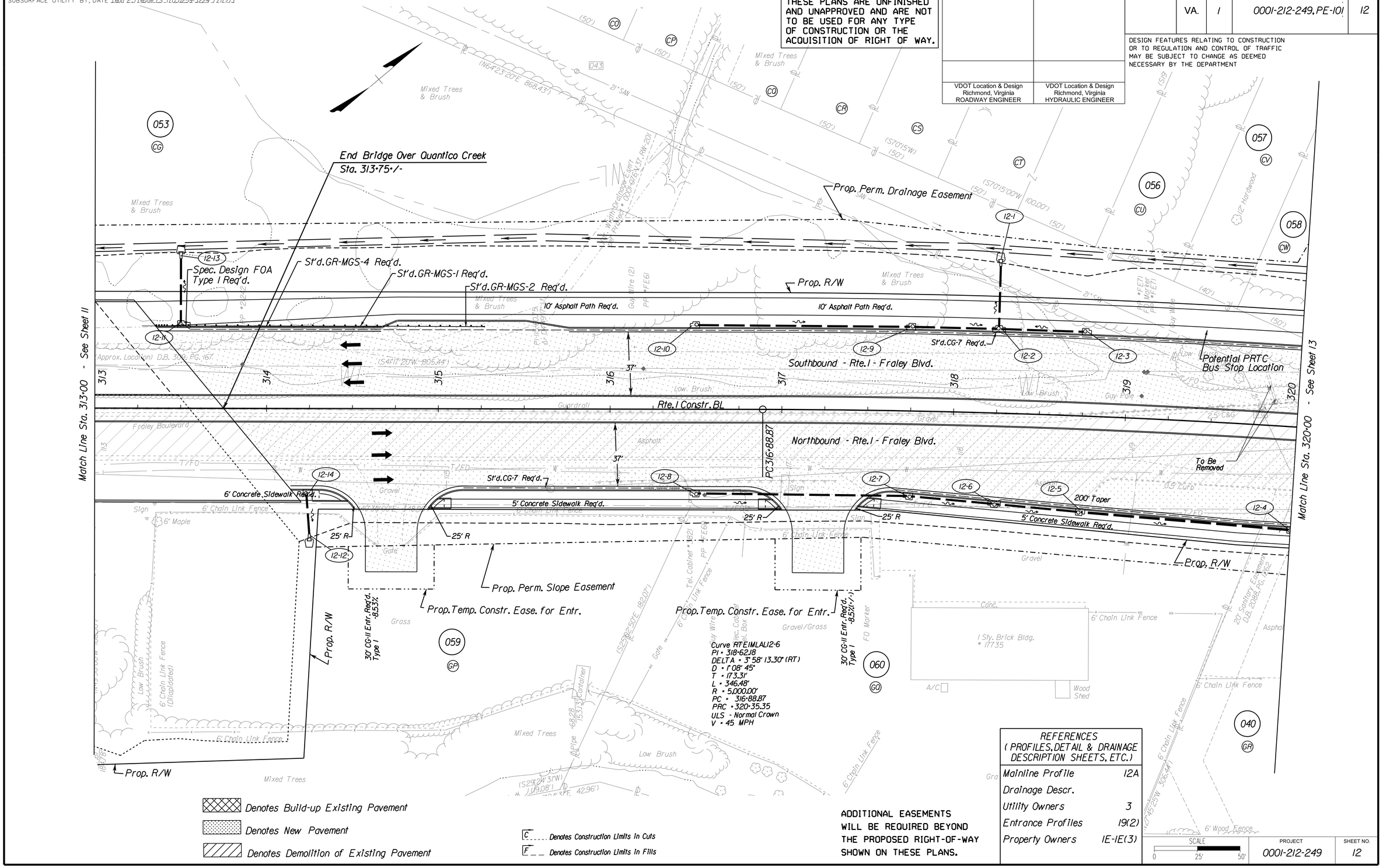
VDOT Location & Design Richmond, Virginia ROADWAY ENGINEER	VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	12

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



ADDITIONAL EASEMENTS WILL BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	12A
Drainage Descr.	
Utility Owners	3
Entrance Profiles	19(2)
Property Owners	1E-1E(3)

SCALE 0 25' 50'

PROJECT	SHEET NO.
0001-212-249	12

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
DESIGN BY Thomas E. Algner P.E. (804)786-1560 Central Office
SUBSURFACE UTILITY BY, DATE Leon E. Treutle LS (703)259-3224 7/17/13

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	13

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

VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

VDOT Location & Design
Richmond, Virginia
HYDRAULIC ENGINEER

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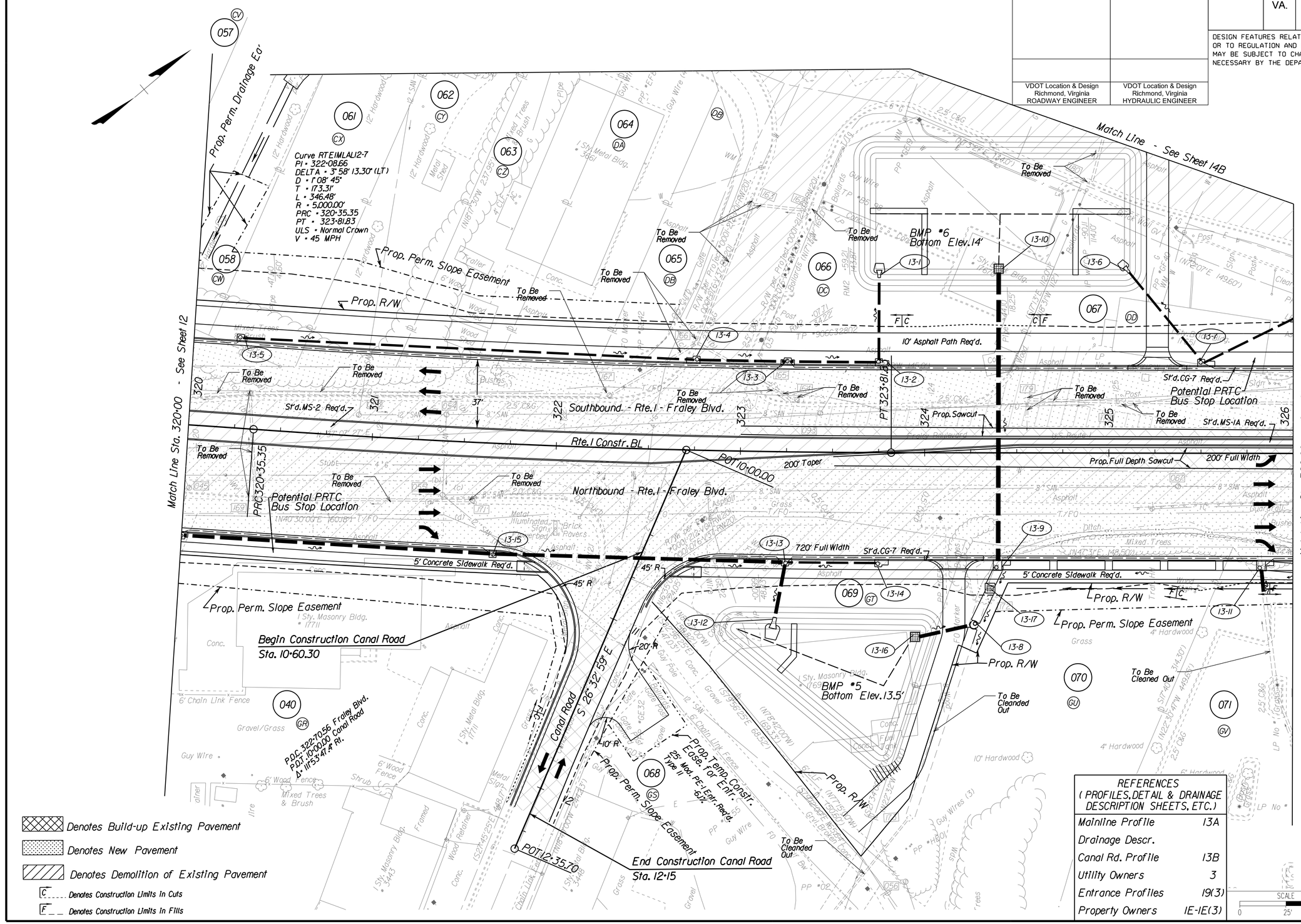

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	13A
Drainage Descr.	
Canal Rd. Profile	13B
Utility Owners	3
Entrance Profiles	19(3)
Property Owners	1E-1E(3)

SCALE 0 25' 50'

PROJECT	SHEET NO.
0001-212-249	13

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
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REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	14

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

VDOT Location & Design Richmond, Virginia ROADWAY ENGINEER	VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER

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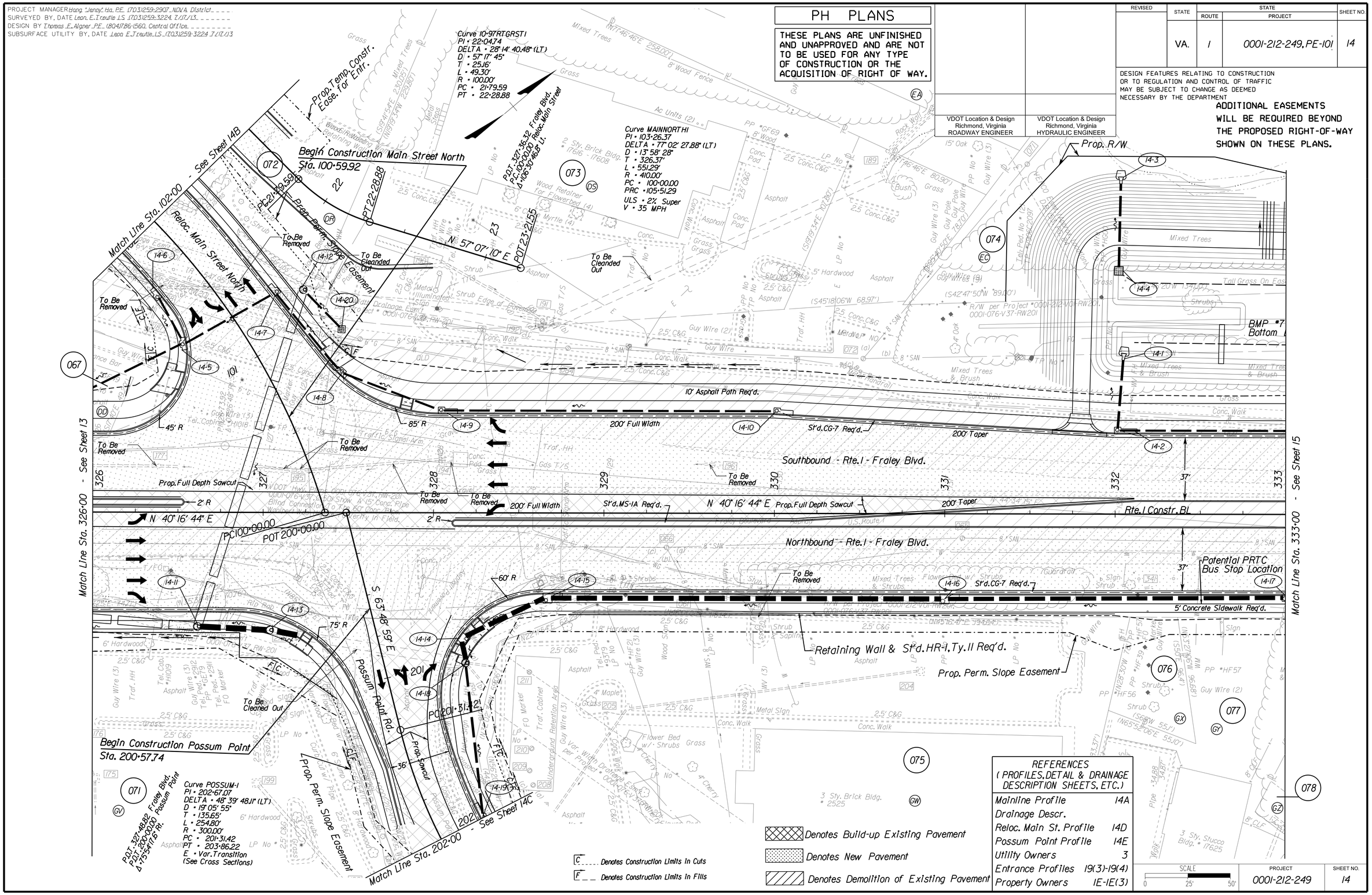

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	14A
Drainage Descr.	
Reloc. Main St. Profile	14D
Possum Point Profile	14E
Utility Owners	3
Entrance Profiles	19(3)-19(4)
Property Owners	1E-1E(3)

SCALE 0 25' 50'

PROJECT	SHEET NO.
0001-212-249	14

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
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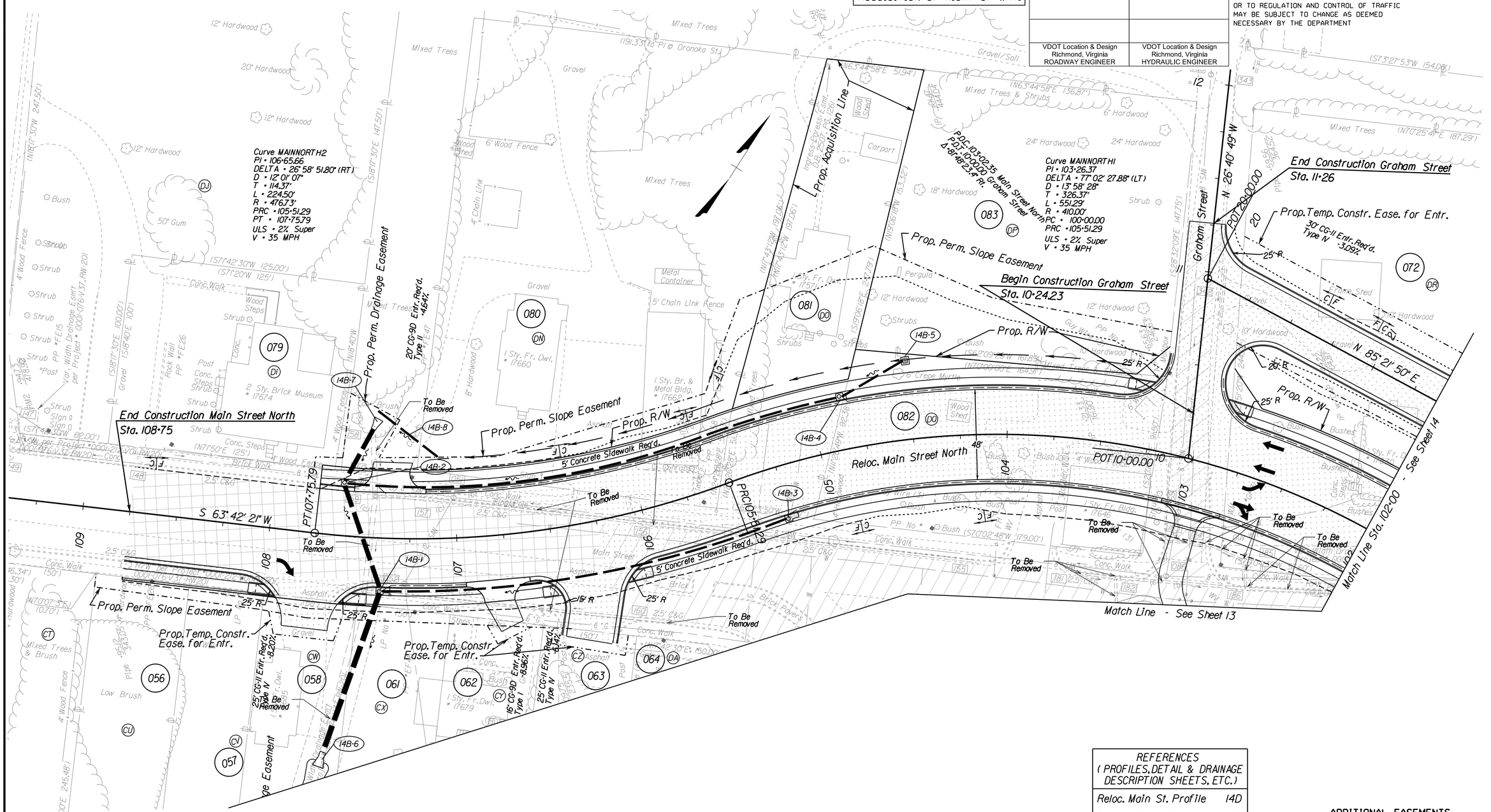
VDOT Location & Design
Richmond, Virginia
ROADWAY ENGINEER

VDOT Location & Design
Richmond, Virginia
HYDRAULIC ENGINEER

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	14B

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



Denotes Build-up Existing Pavement

Denotes New Pavement

Denotes Demolition of Existing Pavement

C ..... Denotes Construction Limits In Cuts

F _ _ Denotes Construction Limits In Fills

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Reloc. Main St. Profile	14D
Graham St. Profile	18B
Drainage Descr.	
Utility Owners	3
Entrance Profiles	19(3)-19(4)
Property Owners	1E-1E(3)

ADDITIONAL EASEMENTS WILL BE REQUIRED BEYOND THE PROPOSED RIGHT-OF-WAY SHOWN ON THESE PLANS.

SCALE 0 25' 50'

PROJECT	SHEET NO.
0001-212-249	14B

PROJECT MANAGER Hang "Jenny" Ha, P.E. (703)259-2907 NOVA District
SURVEYED BY, DATE Leon. E. Treutle LS (703)259-3224 7/17/13
DESIGN BY Thomas E. Algner P.E. (804)786-1560 Central Office
SUBSURFACE UTILITY BY, DATE Leon E. Treutle LS (703)259-3224 7/17/13

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	1	0001-212-249, PE-101	14C

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

VDOT Location & Design Richmond, Virginia ROADWAY ENGINEER	VDOT Location & Design Richmond, Virginia HYDRAULIC ENGINEER

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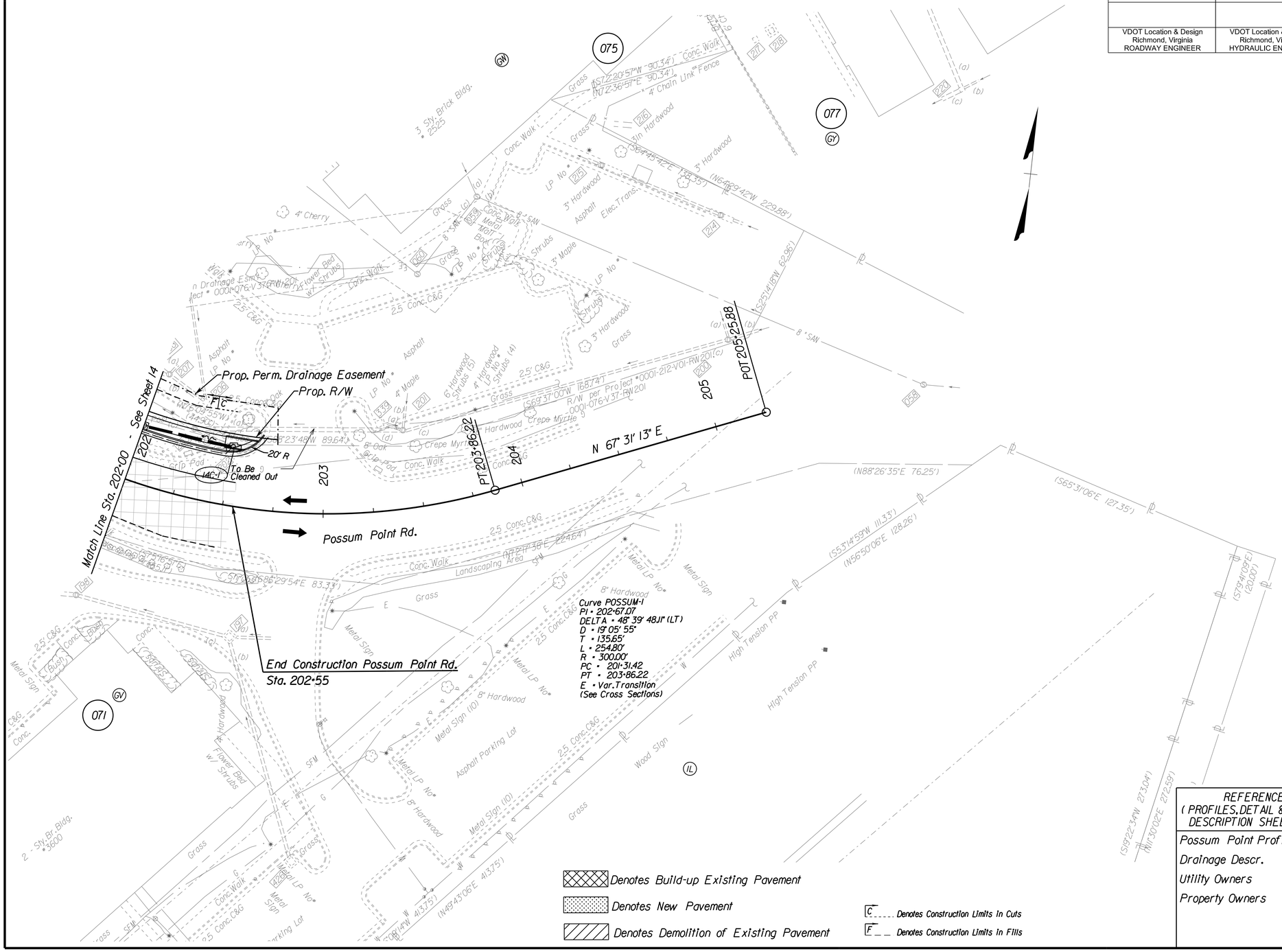

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Possum Point Profile	14E
Drainage Descr.	
Utility Owners	3
Property Owners	1E-1E(3)

SCALE	PROJECT	SHEET NO.
0 25' 50'	0001-212-249	14C