

FOR INDEX OF SHEETS SEE SHEET 1B



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

PITTSYLVANIA COUNTY
ROUTE 29 RESTRICTED LEFT TURN LANE
FROM: 0.067 MI. SOUTH OF RTE. 642
TO: 0.086 MI. NORTH OF RTE. 642

FHWA 534 DATA - 15021

STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
VA.	SEE TABULATIONS BELOW FOR SECTION NUMBERS	0029	(NFO) 0029-071-822	1

P. H. PLANS

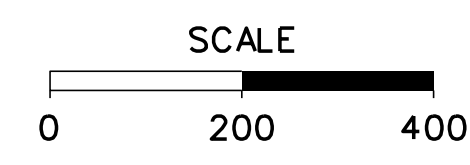
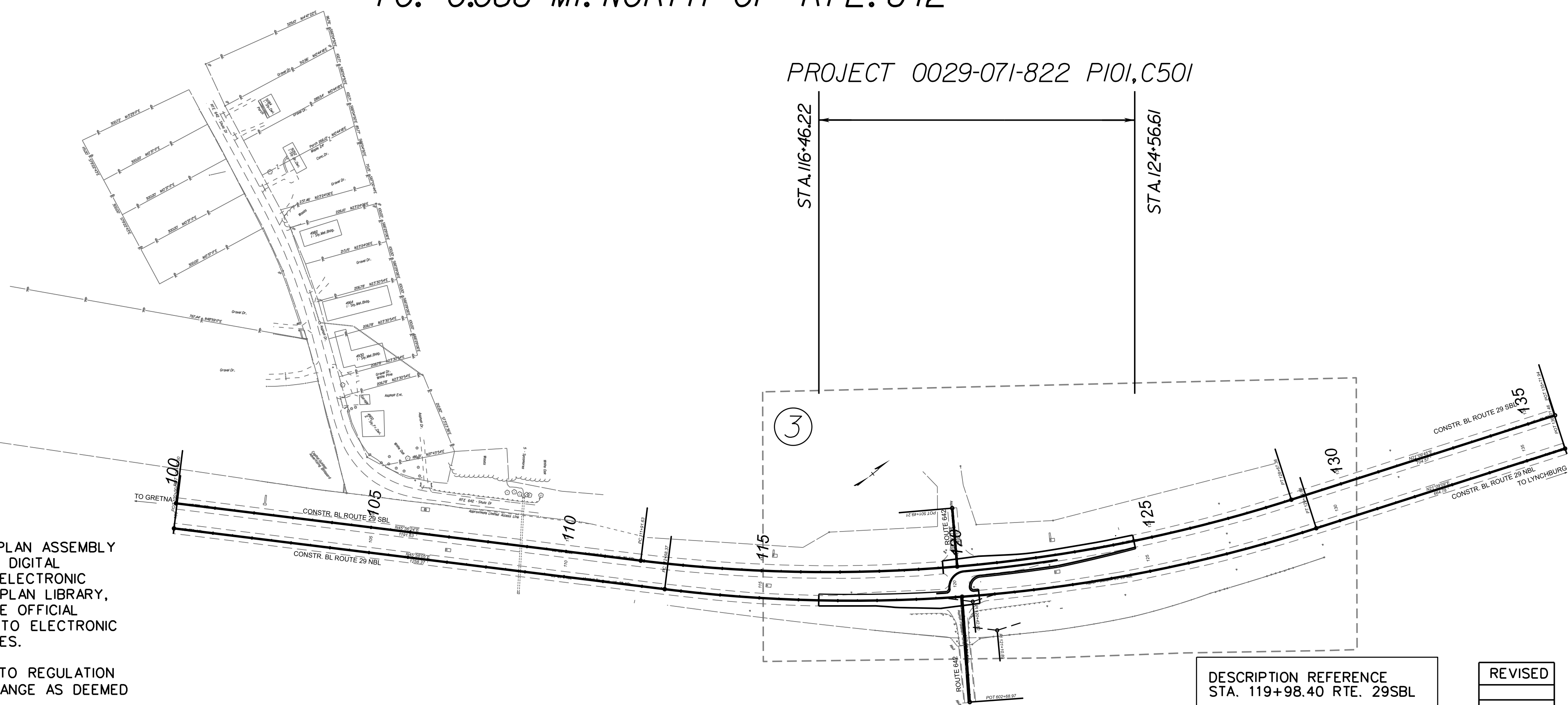
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
NHS RURAL PRINCIPAL ARTERIAL (GS-1) - ROLLING- 45 MPH MIN. DESIGN SPEED - DESIGN VEH. WB-67	
	Fr: 0.067 MI. SOUTH OF ROUTE 642 To: 0.086 MI. NORTH OF ROUTE 642
ADT	15,341 (2021)
ADT	16,470 (2046)
DHV	1,647
D (%) (design hour)	50/50
T (%) (design hour)	10.10% (Peak Hour)
V (MPH)	SEE PLAN AND PROFILE SHEETS FOR DESIGN SPEEDS.

PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATELY ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED. ADDITIONAL EASEMENT MAY BE REQUIRED BEYOND THE PROPOSED RIGHT OF WAY SHOWN ON THE PLANS.

PROJECT MANAGER *Raina A. Rosada, P.E. (434) 856-8318 (Lynchburg District)*
SURVEYED BY, DATE *Rayford T. Clark, L.S. (434) 856-8262 (Lynchburg District)*
DESIGN BY *Raina A. Rosada, P.E. (434) 856-8318 (Lynchburg District)*
SUBSURFACE UTILITY BY, DATE

CONVENTIONAL SIGNS	
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	---



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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 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 TC-5.11R, EXCEPT WHERE OTHERWISE NOTED.

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Population 58,713 (2022 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES	LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PROJECT NO.	TYPE PROJECT	DESCRIPTION
					FEET	FEET	MILES	FEET	MILES			
0642-071-822	P-101	STP-071-310431	PENG	115491		810.39	0.153	810.39	0.153			0.067 MI. SOUTH OF ROUTE 642
	R-201	STP-071-31XXX1	ROWA	115491								0.086 MI. NORTH OF ROUTE 642
	C-501	STP-071-31XXX1	1000	115491		810.39	0.153	810.39	0.153			0.067 MI. SOUTH OF ROUTE 642 0.086 MI. NORTH OF ROUTE 642

Project Lengths are based on Route 29SBL construction baseline

TIER 1 PROJECT	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER
APPROVED FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT ENGINEER/ADMINISTRATOR

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

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PROJECT MANAGER *RAINA A. ROSADO, P.E. (434) 856-8318 LYNCHBURG DISTRICT*
SURVEYED BY, DATE *RAYFORD T. CLARK, L.S. (434) 856-8262 LYNCHBURG DISTRICT*
DESIGN BY *RAINA A. ROSADO, P.E. (434) 856-8318 LYNCHBURG DISTRICT*
SUBSURFACE UTILITY BY, DATE *RAYFORD T. CLARK, L.S. (434) 856-8262 LYNCHBURG DISTRICT*
LYNCHBURG DISTRICT DESIGN UNIT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	311	0642-071-822, R201,C501	1A

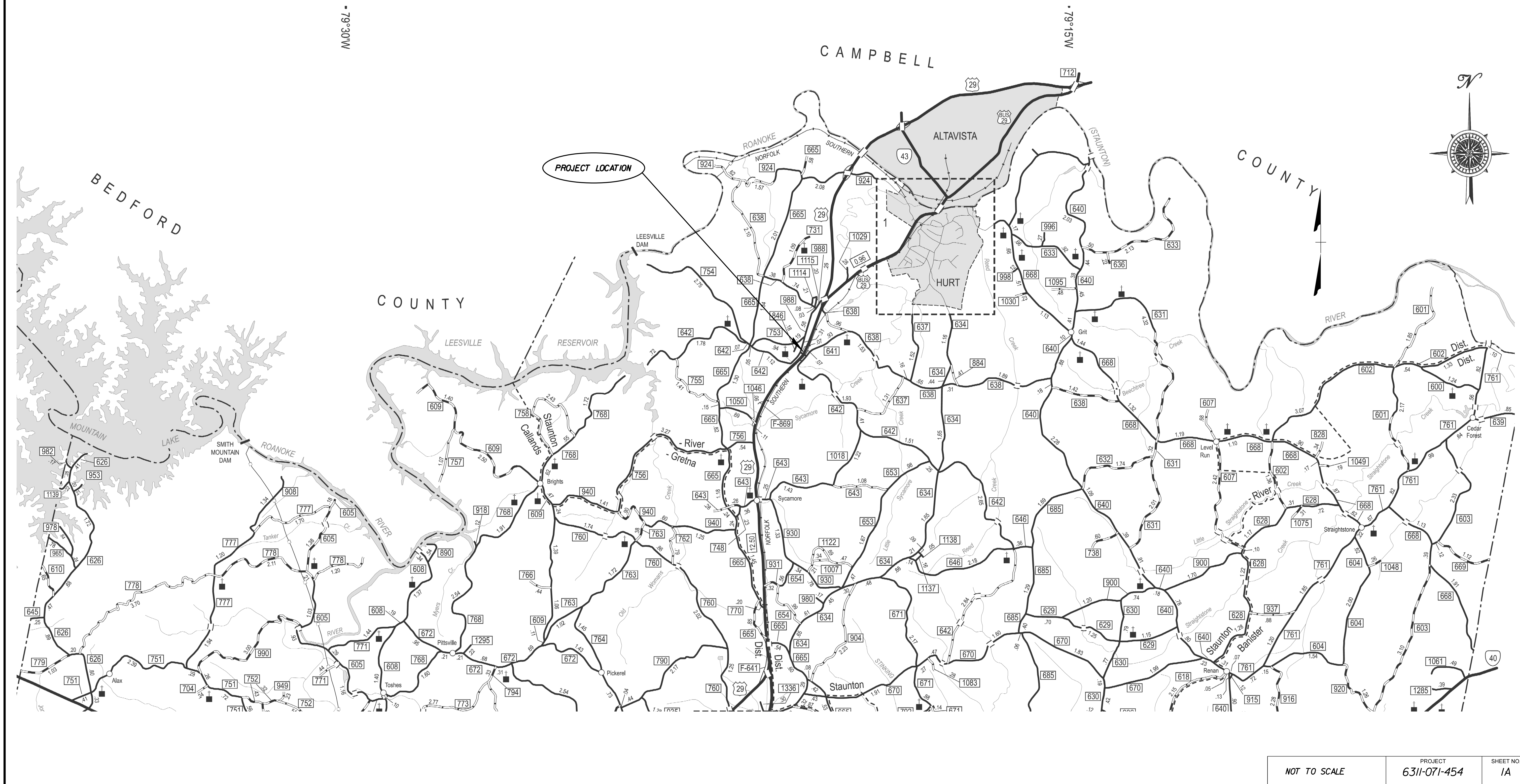
PROJECT LOCATION MAP

Pittsylvania County

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

P. H. 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.



PROJECT MANAGER *RAINA A. ROSADO, P.E. (434) 856-8318 LYNCHBURG DISTRICT*
 SURVEYED BY, DATE *RAYFORD T. CLARK, L.S. (434) 856-8262 (LYNCHBURG DISTRICT)*
 DESIGN BY *RAINA A. ROSADO, P.E. (434) 856-8318 LYNCHBURG DISTRICT*
 SUBSURFACE UTILITY BY, DATE _____
 LYNCHBURG DISTRICT DESIGN UNIT

INDEX OF SHEETS

P. H. PLANS

THESE PLANS ARE UNFINISHED
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 ACQUISITION OF RIGHT OF WAY.

REVISED	STATE		STATE		SHEET NO.
	STATE	ROUTE	PROJECT	PROJECT	
	VA.	642	0642-071-822	R201, C501	1B

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

SHEET NO.	DESCRIPTION	STATIONS
1	TITLE SHEET	
1A	LOCATION MAP	
1B	INDEX OF SHEETS	
1C	RIGHT OF WAY DATA SHEET	
1D	REVISION DATA SHEET	
1E(1) - 1E(2)	SURVEY ALIGNMENT & CONTROL DATA SHEET	
1F	CONSTRUCTION ALIGNMENT DATA SHEET	
1G	MAINTENANCE OF TRAFFIC	
2	GENERAL NOTES	
2A	TYPICAL SECTIONS	
2D	DRAINAGE & ESC SUMMARY	
2F(1) - 2F(4)	SWPPP SHEETS	
3	PLAN SHEET	116+46.22 TO 124+56.61
3A(1) - 3A(2)	PROFILE SHEETS	116+46.22 TO 124+56.61
3B	EROSION AND SEDIMENT CONTROL - PHASE 1	116+46.22 TO 124+56.61

TOTAL CROSS SECTION SHEETS 7 (SEE CROSS SECTION SHEET NUMBER 1 FOR INDEX OF SHEETS)

PROJECT MANAGER RAINA A. ROSADO, P.E. (434) 856-8318 LYNCHBURG DISTRICT
 SURVEYED BY, DATE RAYFORD T. CLARK, L.S. (434) 856-8262 LYNCHBURG DISTRICT
 DESIGN BY RAINA A. ROSADO, P.E. (434) 856-8318 LYNCHBURG DISTRICT
 SUBSURFACE UTILITY BY, DATE _____
 LYNCHBURG DISTRICT DESIGN UNIT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	642	0642-071-822 R201, C501	1C

PRELIMINARY RIGHT OF WAY DATA SHEET

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT
 City/County: PITTSYLVANIA COUNTY
 UPC No.: 115491

AREA (Areas greater than or equal to 1 acre will be shown in acres to 3 decimal places (x.xxx). Areas less than 1 acre will be shown to square feet (x,xxx).)

PARCEL NO.	LANDOWNER	SHEET NO.	TOTAL	FEE TAKING		PRESCRIPTIVE R/W		FEE REMAINDER		EASEMENTS								PROFFERS	
				ACRE	ACRES	SQ. FEET	ACRES	SQ. FEET	ACRES	SQ. FEET	PERMANENT		UTILITY		TEMPORARY		TEMPORARY(ENTRANCES)		
											ACRES	SQ. FEET	ACRES	SQ. FEET	ACRES	SQ. FEET	ACRES		SQ. FEET

PROJECT MANAGER: **RAINA A. ROSADO, P.E.** (434) 856-8318 LYNCHBURG DISTRICT
SURVEYED BY, DATE: **RAYFORD T. CLARK, L.S.** (434) 856-8262 LYNCHBURG DISTRICT
DESIGN BY: **RAINA A. ROSADO, P.E.** (434) 856-8318 LYNCHBURG DISTRICT
SUBSURFACE UTILITY BY, DATE: _____
LYNCHBURG DISTRICT DESIGN UNIT

P. H. PLANS

SURVEY CONTROL DATA

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

Route : 642-29
Project : 0642-071-822
District : Lynchburg
County : Pittsylvania
From : *SMART 20-RT642
To : Intersection Realignment of Rte 29
Horizontal Datum Based On NAD 83 2011
Vertical Datum Based On NAVD 88 18
Survey By : D. B. Irby
Operator : D. W. Carter
Date : 11-18-21
Scale : 1" = 50'
UPC* : 115491

Virginia Department of Transportation Horizontal Control
Control Station I.D. : **CS-1P*1** Date : 11-18-21

Virginia Department of Transportation Horizontal Control
Control Station I.D. : **CS-1P*2** Date : 11-18-21

VDOT Project Coordinates (2014)
East (X) : 11237399.4919 ft.
North (Y) : 3547749.0766 ft.
Elevation : 776.265 ft.

VDOT Project Coordinates (2014)
East (X) : 11238002.9011 ft.
North (Y) : 3548436.2183 ft.
Elevation : 785.750 ft.

Project Specific Combined Scale Factor: 1.00007319 (9 Decimal Places)
Latitude : 37° 03' 45.73012" N (5 Decimal Places)
Longitude : 79° 20' 39.38622" W (5 Decimal Places)
Geoid Separation (N) : 31.910m
Ellipsoid Height (h) : 204.694m
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 18
Azimuth to Station : ___ is ___

Project Specific Combined Scale Factor: 1.00007319 (9 Decimal Places)
Latitude : 37° 03' 52.57760" N (5 Decimal Places)
Longitude : 79° 20' 32.01853" W (5 Decimal Places)
Geoid Separation (N) : 31.910m
Ellipsoid Height (h) : 207.506m
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 18
Azimuth to Station : ___ is ___

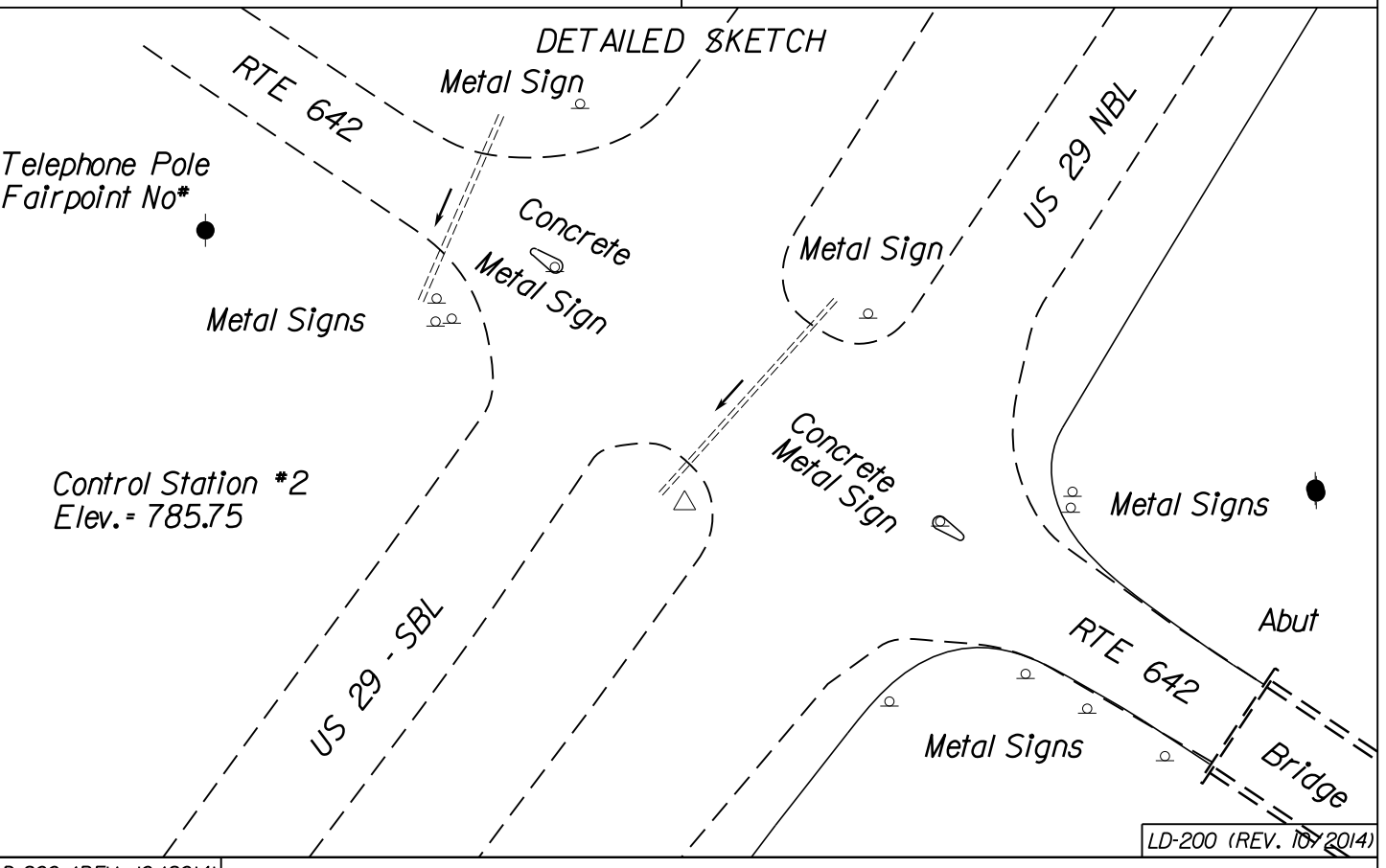
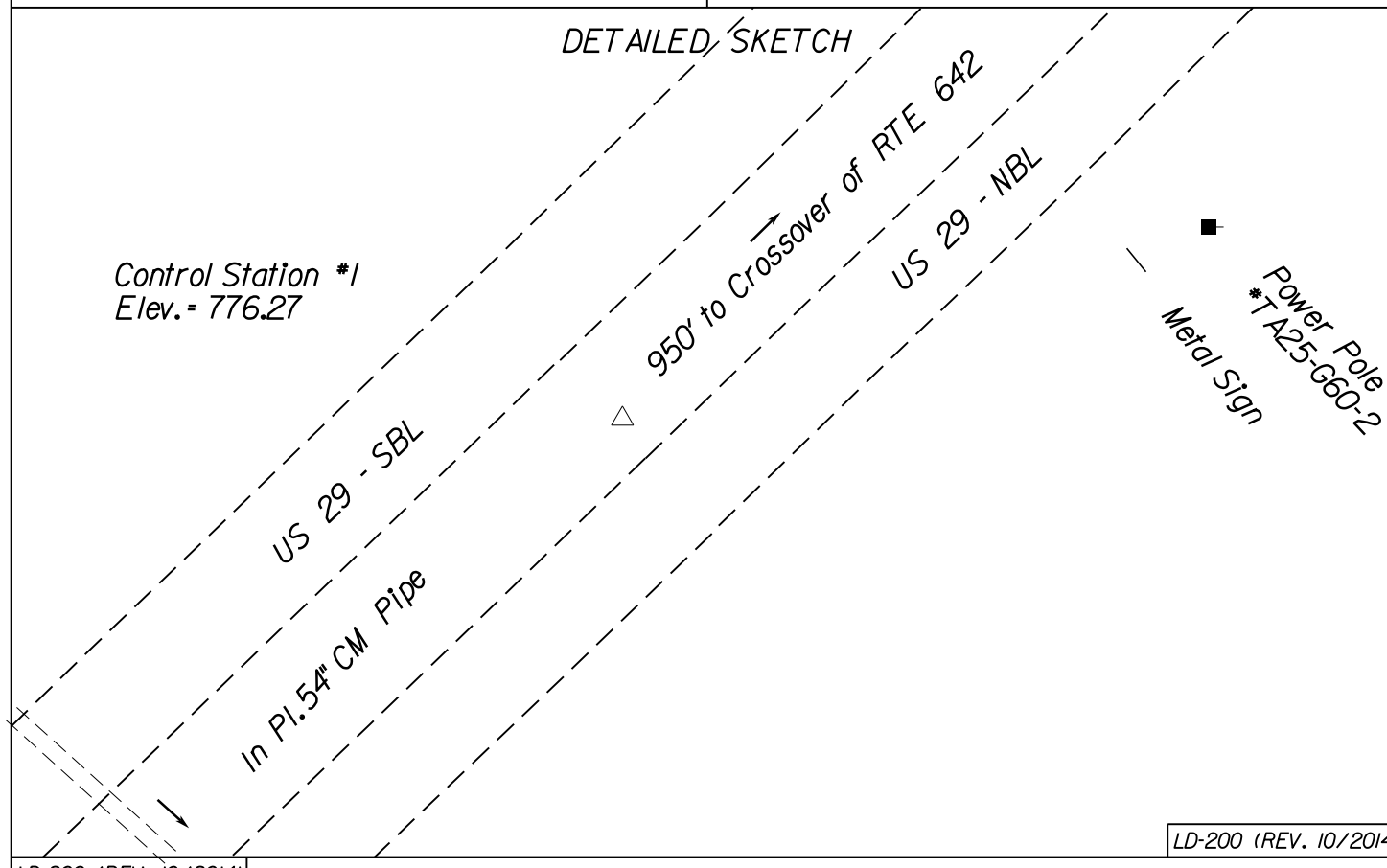
Project Information
Project Number : 0642-071-822
Route : 642 City/County : Pittsylvania
Established By : D.B. Irby
To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula:
* Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)
* Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

Project Information
Project Number : 0642-071-822
Route : 642 City/County : Pittsylvania
Established By : D.B. Irby
To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula:
* Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)
* Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

UTILITY LEGEND

□ EB Electric Box	□ TB Telephone Booth
■ Electric Guy Pole	● Telephone Guy Pole
★ Electric Ground Light	○ Telephone Guy Wire
○ Electric Guy Wire	⊗ Test Holes (All Utilities)
⊗ Electric Hand Hole	⊗ Telephone Cell Tower
⊗ Electric Meter	⊗ Telephone Hand Hole
⊗ Electric Manhole	⊗ Telephone Manhole
⊗ Electric Marker Post	⊗ Telephone Marker Post
⊗ Electric Pedestal	⊗ Telephone Pole
⊗ Electric Stub	⊗ Telephone Pedestal
⊗ Electric Power Pole	⊗ Telephone Riser Pole
⊗ Electric Power Riser Pole	⊗ Television Satellite Dish
⊗ Electric Light Pole	⊗ Tower Anchor
⊗ Electric Luminaire	⊗ Traffic Camera Pole
⊗ End of Information (All Utilities)	⊗ Traffic Control Hand Hole
⊗ Fire Hydrant	⊗ Traffic Control Manhole
⊗ Fiber Optic Hand Hole	⊗ Traffic Control Guy Wire
⊗ Fiber Optic Marker	⊗ Traffic Control Pedestal
⊗ Fiber Optic Manhole	⊗ Traffic Signal Guy Pole
⊗ Fiber Optic Pedestal	⊗ Traffic Signal Pole
⊗ Gas Meter	⊗ Traffic Signal Pole w/Luminaire
⊗ Gas Manhole	⊗ Telephone Stub
⊗ Gas Marker Post	⊗ Television Hand Hole
⊗ Gas Monitoring Well	⊗ Television Manhole
⊗ Gas Stub	⊗ Television Marker Post
⊗ Gas Test Station	⊗ Television Pedestal
⊗ Gas Valve	⊗ Television Stub
⊗ Gas Vent	⊗ Water Blow Off
⊗ Gas Well	⊗ Water Well
⊗ Sanitary Air Release Valve	⊗ Water Meter
⊗ Sanitary Flow Arrow	⊗ Water Manhole
⊗ Sanitary Stub	⊗ Water Marker Post
⊗ Sewer Clean Out	⊗ Water Spigot
⊗ Sanitary Force Main Valve	⊗ Water Slamese Connection
⊗ Sanitary Marker Post	⊗ Water Stub
⊗ Sanitary Manhole	⊗ Water Valve
⊗ Sewer Vent Pipe	⊗ Water Post Inspection Valve
⊗ Unknown Clean Out	⊗ Water Irrigation Valve
⊗ Unknown Hand Hole	⊗ Water Steam Manhole
⊗ Unknown Manhole	⊗ Water Steam Valve

FO Duct	Fiber Optic Cable Television
G Duct	Chemical Line (above or below ground)
SAW	Underground Fiber Optic Duct
TCFO	Fuel Line (above or below ground)
FO	Gas Line *
Unk	Gas Line Duct
E Duct	Gravity Sewer *
T/Ag Duct	Sanitary Force Main *
TC Duct	Traffic Control Fiber Optic
CATV Duct	Telephone Fiber Optic
W Duct	Underground Fiber Optic
Unk	Unknown Utility Line
Unk	Underground Power Cable
Unk	Underground Power Cable Duct
Unk	Underground Telephone Cable
Unk	Underground Telephone Cable Duct
Unk	Underground Traffic Control
Unk	Underground Traffic Control Duct
Unk	Underground Television Cable
Unk	Underground Television Cable Duct
Unk	Vacuum Sewer
Unk	Water Line *
Unk	Water Line Duct
Unk	Depicted According To Utility Records **
Unk	Abandoned According To Utility Records **
Unk	According To Miss Utility Information **
Unk	* Designate size (Variable from 0.75' to 54')
Unk	** Designate type (Unknown line is shown)



Virginia Department of Transportation Horizontal Control
Control Station I.D. : **CS-1P*3** Date : 11-18-21

Virginia Department of Transportation Horizontal Control
Control Station I.D. : **CS-1P*4** Date : 11-18-21

VDOT Project Coordinates (2014)
East (X) : 11237323.5944 ft.
North (Y) : 3548800.4080 ft.
Elevation : 786.910 ft.

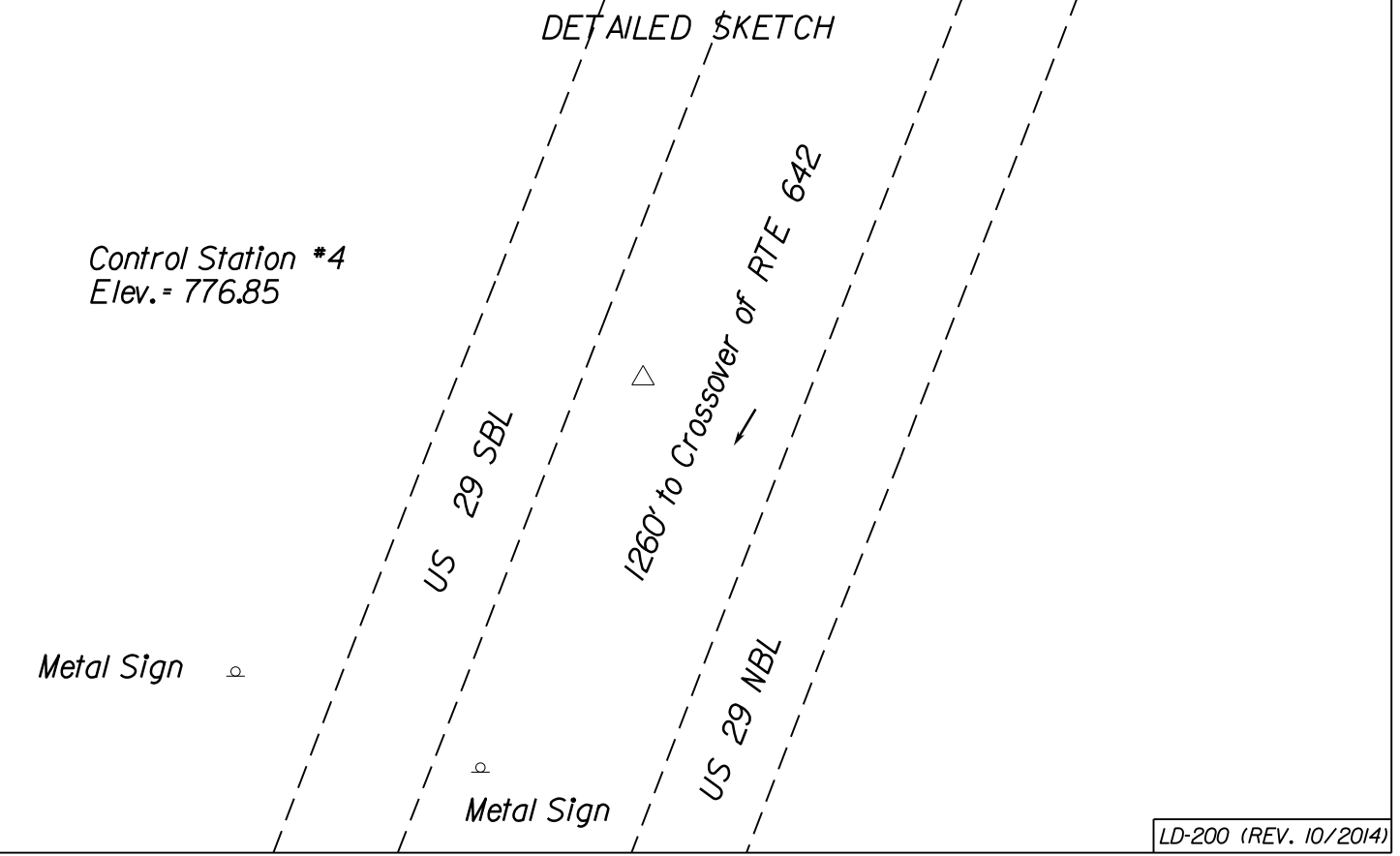
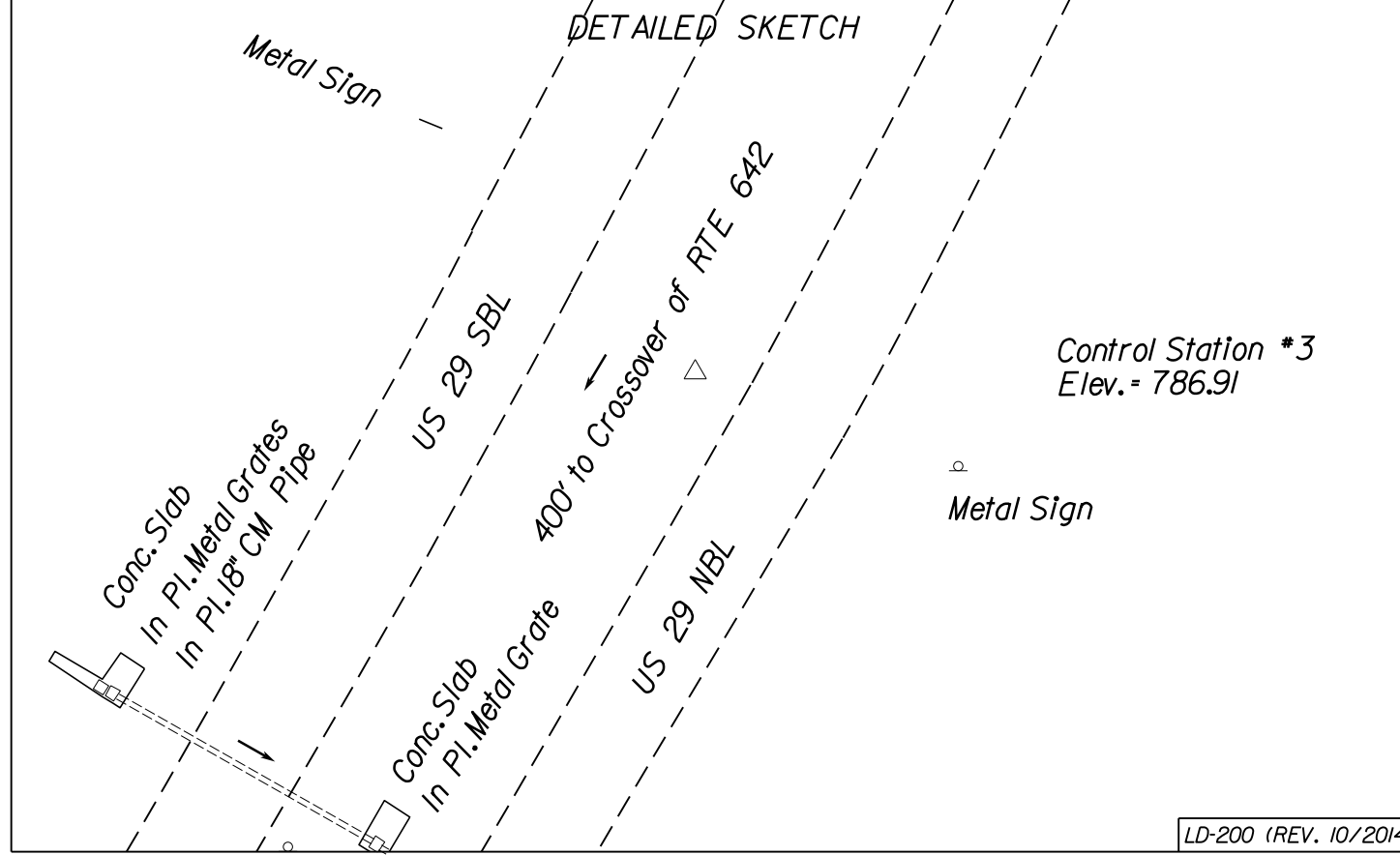
VDOT Project Coordinates (2014)
East (X) : 11238557.2056 ft.
North (Y) : 3549609.5272 ft.
Elevation : 776.850 ft.

Project Specific Combined Scale Factor: 1.00007319 (9 Decimal Places)
Latitude : 37° 03' 56.19841" N (5 Decimal Places)
Longitude : 79° 20' 29.13774" W (5 Decimal Places)
Geoid Separation (N) : 31.910m
Ellipsoid Height (h) : 207.925m
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 18
Azimuth to Station : ___ is ___

Project Specific Combined Scale Factor: 1.00007319 (9 Decimal Places)
Latitude : 37° 04' 04.22573" N (5 Decimal Places)
Longitude : 79° 20' 25.30824" W (5 Decimal Places)
Geoid Separation (N) : 31.909m
Ellipsoid Height (h) : 204.869m
Horizontal Datum : NAD 83 Year : 2011
Vertical Datum : NAVD 88 Geoid : 18
Azimuth to Station : ___ is ___

Project Information
Project Number : 0642-071-822
Route : 642 City/County : Pittsylvania
Established By : D.B. Irby
To convert Virginia State Plane Coordinates to VDOT Project Coordinates, use the following formula:
* Multiply the Easting And Northing Values (For Both Zones) by the Project Specific Combined Scale Factor. (Located above left)
* Reverse this Procedure to convert VDOT Project Coordinates (2014) to NAD 83 - U.S. Survey Feet

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PLANIMETRIC LEGEND

⊗	Advertising Sign
⊕	Bore Hole
⊙	Bench Mark
●	Bollard Post
⊙	Photo Control Point
⊗	Control Station
→	Drainage Flow Arrow (Storm Drainage)
⊗	Filler Cap (Gas Stations)
→	Flow Arrow (Streams & Rivers)
⊗	Flag Pole
⊗	Secondary Control Point
⊗	Filler Pipe (Gas Stations)
⊗	Gas Tank Access Manhole (Gas Stations)
⊗	Gravestone Marker
⊗	Guard Post
⊗	Gas Vent Pipe (Gas Stations)
⊗	Mail Box
⊗	Mine Entrance
⊗	Node Point
⊗	Property Line Symbol
⊗	Found Monumentation
⊗	Property Monument
⊗	Metal or Wooden Post
⊗	Monitoring Well
⊗	Road Arrow
⊗	Reference
⊗	Right of Way Monument
⊗	VDOT Commission Monument
⊗	Iron Right of Way Pin
⊗	Railroad Mile Marker
⊗	Railroad Right of Way Monument
⊗	Railroad Signal Pole or Gate
⊗	Railroad Telegraph Pole
⊗	Railroad Telephone Pole
⊗	Railroad Switch
⊗	Shrub
⊗	Storm Sewer Manhole
⊗	Photogrammetric Target
⊗	Tree
⊗	Traffic Left Turn Arrow
⊗	Traffic Left-Right Arrow
⊗	Traffic Left-Thru Arrow
⊗	Traffic Left-Through-Right Arrow
⊗	Traffic Right Turn Arrow
⊗	Traffic Thru Arrow
⊗	Traffic Thru-Right Arrow
⊗	Traffic Springback Marker
⊗	Wetland Flag Automatic
⊗	Wetland Flag Manual
⊗	Bridge Elevation
⊗	Plan Elevation
⊗	Water Elevation
⊗	Elevation Tick Mark
⊗	Connected Plot Symbol
⊗	Brush Line
⊗	Pipe Culverts *
⊗	City Line
⊗	County Line
⊗	Curb Only
⊗	Curb and Gutter
⊗	Fence Line
⊗	Guardrail
⊗	Hedge Row
⊗	Jersey Barrier
⊗	Obscure Areas
⊗	Paved Ditches
⊗	Railroad
⊗	Right of Way
⊗	State Line
⊗	Edges of Water
⊗	Sidewalks
⊗	Wetlands
⊗	Woods
⊗	* Designate size of culverts (Variable from 12" to 120")

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	642	0642-071-822 R201.C501	1E(1)

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

PROJECT MANAGER: RAINA A. ROSADO, PE (434) 856-8318 LYNCHBURG DISTRICT
 SURVEYED BY, DATE: RAYFORD T. CLARK, LS (434) 856-8262 LYNCHBURG DISTRICT
 DESIGN BY: RAINA A. ROSADO, PE (434) 856-8318 LYNCHBURG DISTRICT
 SUBSURFACE UTILITY BY, DATE: _____
LYNCHBURG DISTRICT DESIGN UNIT

SURVEY CONTROL DATA

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	642	0642-071-822 R201, C501	1E(2)

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

PLANIMETRIC LEGEND

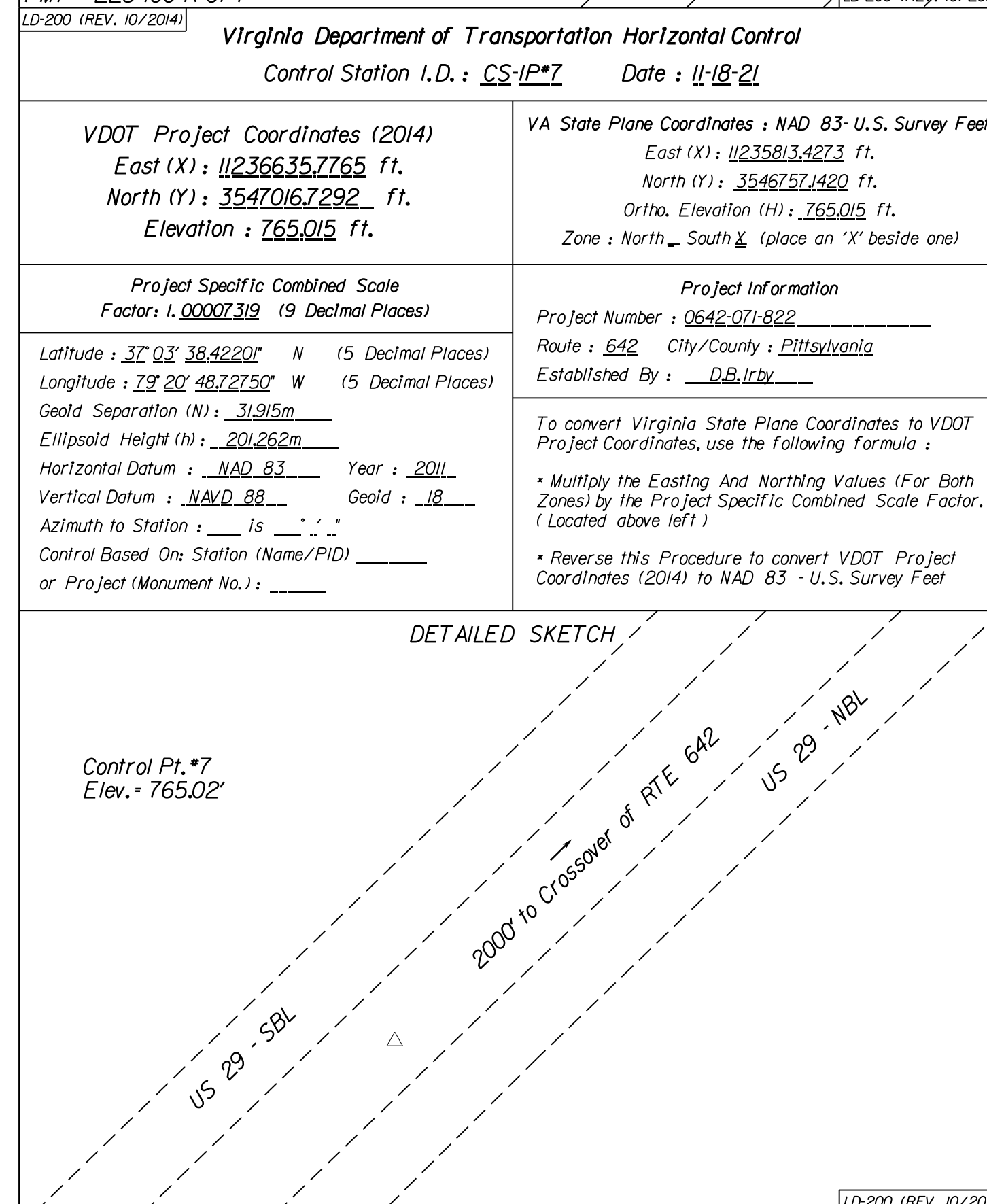
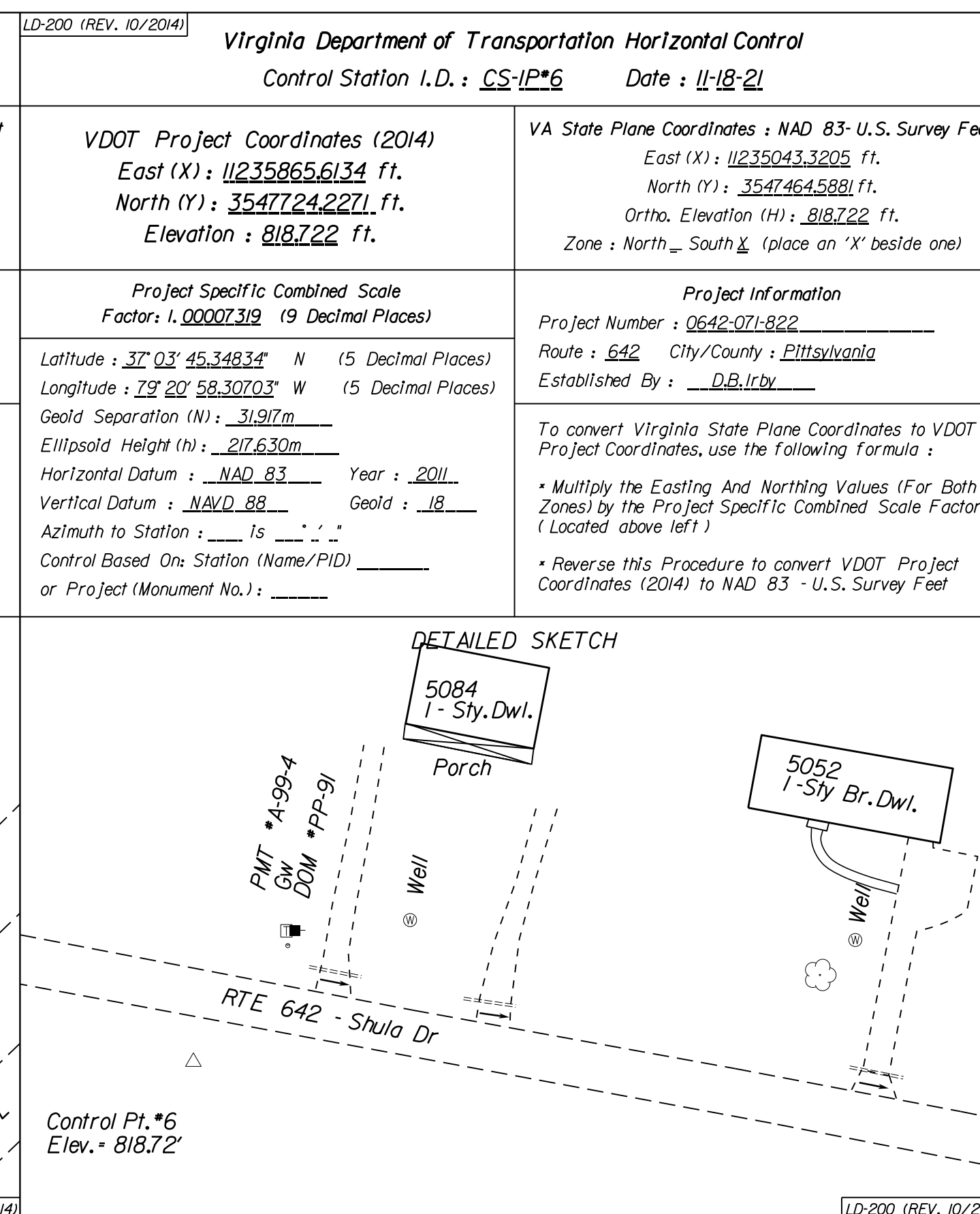
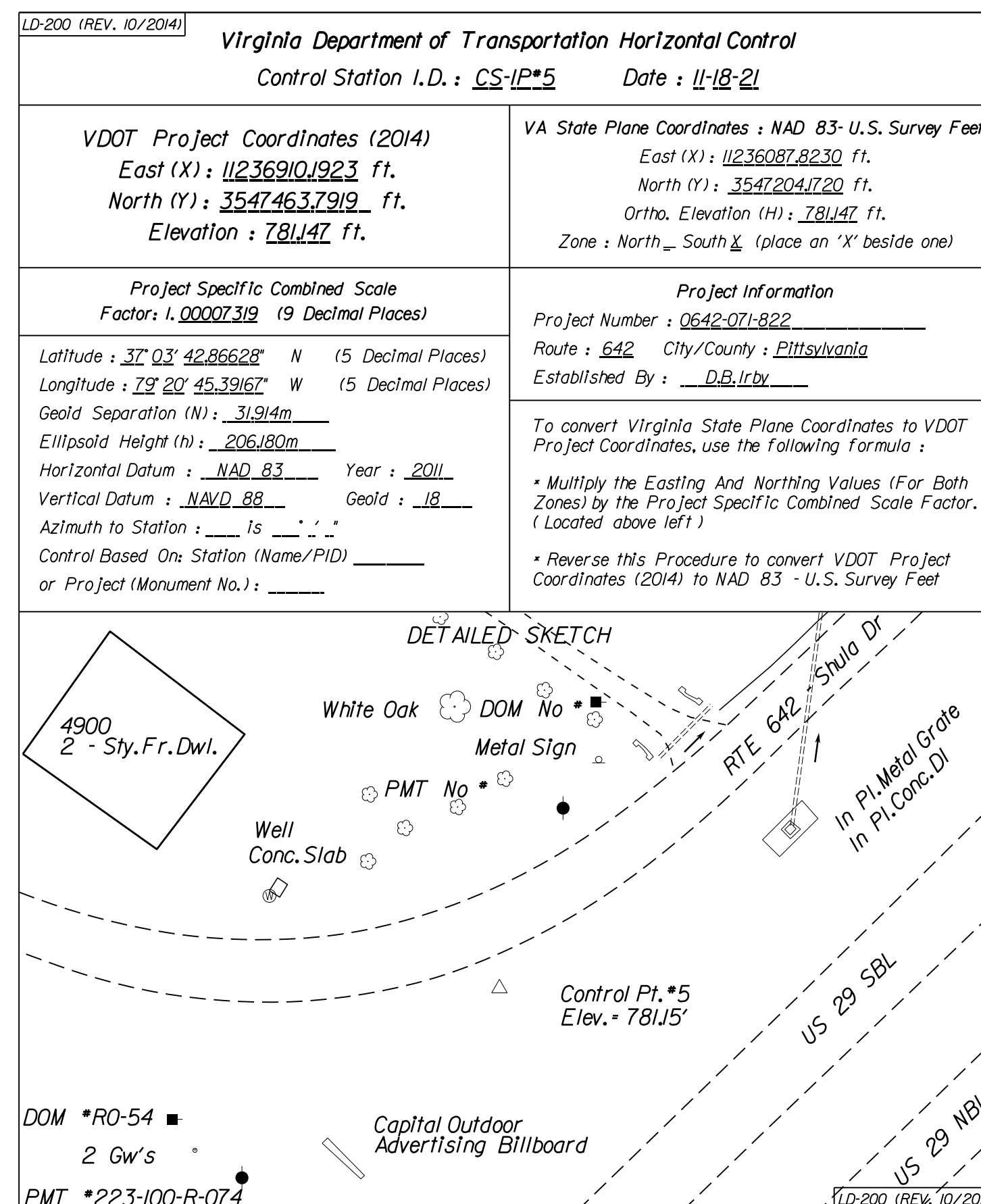
- Advertising Sign
- ⊕ Bare Hole
- ⊙ Bench Mark
- Bollard Post
- △ * PHOTO CP
- Control Station
- Drainage Flow Arrow (Storm Drainage)
- Filler Cap (Gas Stations)
- Flow Arrow (Streams & Rivers)
- Flag Pole
- Secondary Control Point
- Filler Pipe (Gas Stations)
- Gas Tank Access Manhole (Gas Stations)
- Gravesite Marker
- Guard Post
- Gas Vent Pipe (Gas Stations)
- Mail Box
- Mine Entrance
- Node Point
- Property Line Symbol
- Found Monumentation
- Property Monument
- Metal or Wooden Post
- Monitoring Well
- Road Arrow
- Reference
- Right of Way Monument
- VDOT Commission Monument
- Iron Right of Way Pin
- Railroad Mile Marker
- Railroad Right of Way Monument
- Railroad Signal Pole or Gate
- Railroad Telegraph Pole
- Railroad Telephone Pole
- Railroad Switch
- Shrub
- Storm Sewer Manhole
- Photogrammetric Target
- Tree
- Traffic Left Turn Arrow
- Traffic Left-Right Arrow
- Traffic Left-Thru Arrow
- Traffic Left-Thru-Right Arrow
- Traffic Right Turn Arrow
- Traffic Thru Arrow
- Traffic Thru-Right Arrow
- Traffic Springback Marker
- Wetland Flag Automatic
- Wetland Flag Manual
- Bridge Elevation
- Plan Elevation
- Water Elevation
- Elevation Tick Mark
- Connected Plat Symbol
- Brush Line
- Pipe Culverts *
- City Line
- County Line
- Curb Only
- Curb and Gutter
- Fence Line
- Guardrail
- Hedge Row
- Jersey Barrier
- Obscure Areas
- Paved Ditches
- Railroad
- Right of Way
- State Line
- Edges of Water
- Sidewalks
- Wetlands
- Woods
- * Designate size of culverts (Variable from 12" to 120")

Route : 642-29
 Project : 71-0642-822
 District : Lynchburg
 County : Pittsylvania
 From : *SMART 20-RT E 642
 To : Intersection Realignment at Rte 29
 Horizontal Datum Based On NAD 83 2011
 Vertical Datum Based On NAVD 88 18
 Survey By : D. B. Irby
 Operator : D. W. Carter
 Date : 11-18-21
 Scale : 1" = 50'
 UPC* : 115491

UTILITY LEGEND

- | | |
|--|---|
| <ul style="list-style-type: none"> □ EB Electric Box ⊕ Electric Guy Pole ⊙ Electric Ground Light ⊙ Electric Guy Wire ⊙ Electric Hand Hole ⊙ Electric Meter ⊙ Electric Manhole ⊙ Electric Marker Post ⊙ Electric Pedestal ⊙ Electric Stub ⊙ Electric Power Pole ⊙ Electric Power Riser Pole ⊙ Electric Light Pole ⊙ Electric Luminaire End of Information (All Utilities) Fire Hydrant Fiber Optic Hand Hole Fiber Optic Marker Fiber Optic Manhole Fiber Optic Pedestal Gas Meter Gas Manhole Gas Marker Post Gas Monitoring Well Gas Stub Gas Test Station Gas Valve Gas Vent Gas Well Sanitary Air Release Valve Sanitary Flow Arrow Sanitary Stub Sewer Clean Out Sanitary Force Main Valve Sanitary Marker Post Sanitary Manhole Sewer Vent Pipe Unknown Clean Out Unknown Hand Hole Unknown Manhole | <ul style="list-style-type: none"> ⊙ TB Telephone Booth ⊙ Telephone Guy Pole ⊙ Telephone Guy Wire ⊙ Test Holes (All Utilities) ⊙ Telephone Cell Tower ⊙ Telephone Hand Hole ⊙ Telephone Manhole ⊙ Telephone Marker Post ⊙ Telephone Pole ⊙ Telephone Pedestal ⊙ Telephone Riser Pole ⊙ Television Satellite Dish ⊙ Tower Anchor ⊙ Traffic Camera Pole ⊙ Traffic Control Hand Hole ⊙ Traffic Control Manhole ⊙ Traffic Control Guy Wire ⊙ Traffic Control Pedestal ⊙ Traffic Signal Guy Pole ⊙ Traffic Signal Pole ⊙ Traffic Signal Pole w/Luminaire ⊙ Telephone Stub ⊙ Television Hand Hole ⊙ Television Manhole ⊙ Television Marker Post ⊙ Television Pedestal ⊙ Television Stub ⊙ Water Blow Off ⊙ Water Well ⊙ Water Meter ⊙ Water Manhole ⊙ Water Marker Post ⊙ Water Spigot ⊙ Water Slamese Connection ⊙ Water Stub ⊙ Water Valve ⊙ Water Post Inspection Valve ⊙ Water Irrigation Valve ⊙ Water Steam Manhole ⊙ Water Steam Vent Pipe |
|--|---|

- | | |
|---|--|
| <ul style="list-style-type: none"> FO Duct G Duct SAV SFM TCFO T/FO FO Unk E Duct TA T/TA Duct TC Duct CATV CATV Duct W Duct Unk Unk | <ul style="list-style-type: none"> Fiber Optic Cable Television Chemical Line (above or below ground) Underground Fiber Optic Duct Fuel Line (above or below ground) Gas Line * Gas Line Duct Gravity Sewer * Sanitary Force Main * Traffic Control Fiber Optic Telephone Fiber Optic Underground Fiber Optic Unknown Utility Line Underground Power Cable Underground Power Cable Duct Underground Telephone Cable Underground Telephone Cable Duct Underground Traffic Control Underground Traffic Control Duct Underground Television Cable Underground Television Cable Duct Vacuum Sewer Water Line * Water Line Duct Depicted According To Utility Records ** Abandoned According To Utility Records ** According To Miss Utility Information ** * Designate size (Variable from 0.75" to 54") ** Designate type (Unknown line is shown) |
|---|--|



P. H. PLANS

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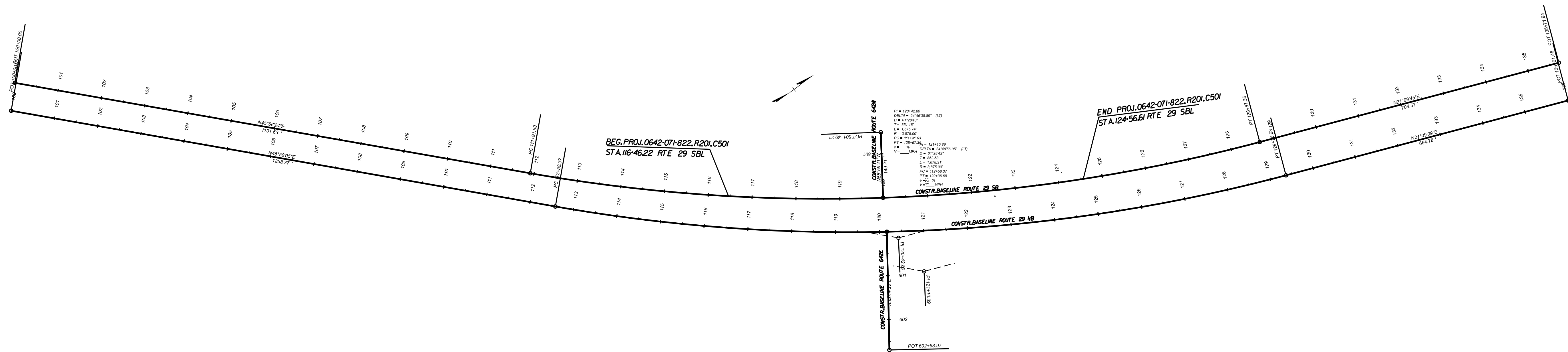
PROJECT MANAGER *Raina A. Rosado, PE (434) 856-8318*
 SURVEYED BY, DATE *Rayford T. Clark, L.S. (434) 856-8262*
 DESIGN BY *Raina A. Rosado, P.E. (434) 856-8318*
 SUBSURFACE UTILITY BY, DATE _____
 LYNCHBURG DISTRICT DESIGN UNIT

P. H. PLANS

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 OF CONSTRUCTION OR THE
 ACQUISITION OF RIGHT OF WAY.

CONSTRUCTION ALIGNMENT

REVISED	STATE	STATE	SHEET NO.
	ROUTE	PROJECT	
	VA.	0029	0029-071-822 R201, C501
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT			
VDOT (Division) or Co. Name (Location), Virginia (TECHNICAL DISCIPLINE)			



* Alignment name: Route 29SB
 * Alignment description:
 * Alignment style: Linear/Road Design/Alignments/Horizontal/50 Scale Baselines

Element	STATION	NORTHING	EASTING
Element: Linear			
START()	100+00.000 R1	3547041.355	11236611.805
PC()	111+91.626 R1	3547870.026	11237468.120
Tangential Direction:	N45.940°E		
Tangential Length:	1191.626		
Element: Circular			
PC()	111+91.626 R1	3547870.026	11237468.120
HPI()	120+42.801 R1	3548461.943	11238079.785
CC()	3550654.645	11234773.399	
PT()	128+67.363 R1	3549255.716	11238387.071
Radius:	3875.000		
Delta:	24°46'39" Left		
Degree of Curvature(Arc):	01°28'43"		
Length:	1675.738		
Tangent:	851.175		
Chord:	1662.711		
Middle Ordinate:	90.231		
External:	92.383		
Tangent Direction:	N45.940°E		
Radial Direction:	S44.060°E		
Chord Direction:	N33.551°E		
Radial Direction:	S68.838°E		
Tangent Direction:	N21.162°E		
Element: Linear			
PT()	128+67.363 R1	3549255.716	11238387.071
END()	135+71.937 R1	3549912.773	11238641.432
Tangential Direction:	N21.162°E		
Tangential Length:	704.574		

* Alignment name: Route 29NB
 * Alignment description:
 * Alignment style: Linear/Road Design/Alignments/Horizontal/50 Scale Baselines

Element	STATION	NORTHING	EASTING
Element: Linear			
START()	100+00.000 R1	3546997.195	11236658.164
PC()	112+58.368 R1	3547871.834	11237562.872
Tangential Direction:	N45.968°E		
Tangential Length:	1258.368		
Element: Circular			
PC()	112+58.368 R1	3547871.834	11237562.872
HPI()	121+10.894 R1	3548464.390	11238175.798
CC()	3550657.778	11234869.521	
PT()	129+36.682 R1	3549259.475	11238483.435
Radius:	3875.000		
Delta:	24°48'56" Left		
Degree of Curvature(Arc):	01°28'43"		
Length:	1678.314		
Tangent:	852.526		
Chord:	1665.227		
Middle Ordinate:	90.508		
External:	92.673		
Tangent Direction:	N45.968°E		
Radial Direction:	S44.032°E		
Chord Direction:	N33.560°E		
Radial Direction:	S68.847°E		
Tangent Direction:	N21.153°E		
Element: Linear			
PT()	129+36.682 R1	3549259.475	11238483.435
END()	136+01.462 R1	3549879.464	11238723.322
Tangential Direction:	N21.153°E		
Tangential Length:	664.780		

PROJECT MANAGER **R.A. ROSADO, P.E. (434) 856-8318 LYNCHBURG DISTRICT**
 SURVEYED BY, DATE **RAYFORD T. CLARK, L.S. (434) 856-8262 LYNCHBURG DISTRICT**
 DESIGN BY **DANNY CRUFF, (434) 856-8160 LYNCHBURG DISTRICT**
 SUBSURFACE UTILITY BY, DATE -----

Transportation Management Plan

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	642	0642-071-822, P101, R201, C501	16
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Traffic Engineering Lynchburg Virginia TRAFFIC ENGINEER				

INTRODUCTION

Transportation Management Plan Type: Type A

Project Location: Route 642 - Pittsylvania County
From: 0.017 Miles South of Route 610 Intersection
To: 0.412 Miles South of Route 610 Intersection

Work Zone(s) Length and Width: Length - 0.395 Miles
Width - Variable within Right of Way

2021 AADT: 15,341 VPD

Major Types of Travelers: Local Commuters, Trucks and Buses

Affected Entrances and Intersections: Intersection (Route 642) will be affected during construction.

Impact on Traffic (Lanes Affected by the Work): Both lanes of Route 29 will be affected during construction.

Available Location(s) for Equipment Storage: The Contractor shall find a suitable staging area to store equipment, materials and supplies which complies with General Note 2.

Typical Sections: Refer to plan sheet 2A.

Allowable Work Hours: There are no work hour restrictions for this project.

SPECIAL DETAILS

There are no special details for this project that are not addressed in the contract by the "Limitations of Operations."

PUBLIC COMMUNICATIONS PLAN

- The Contractor shall provide two (2) week minimum advance notice prior to initiating work and prior to implementing the detour to the following points of contact:

a. Project Maintenance of Traffic Coordinator (Inspector):	To Be Determined	
b. Construction Project Manager:	Thomas Pettus	(434) 830-4071
c. Lynchburg District Work Zone Safety Coordinator:	Danny Cruff	(434) 856-8160
d. Lynchburg District Public Affairs Manager:	Len Stevens	(434) 856-8176
e. Halifax Residency Administrator:	Lindsey Hodges	(434) 439-8081
f. Pittsylvania County Sheriff's Office:		(434) 656-6211
g. Virginia State Police (VSP) Area 23:		(434) 476-1887
- The Construction Project Manager shall notify all property owners in advance of pending new traffic patterns including lane closures, road closures and/or detours.
- The Area Construction Engineer shall coordinate with the Residency Administrator and District Public Affairs Manager to ensure compliance with all public notice requirements.
- The Contractor shall follow the Special Provision for Lane Closure Coordination (LCC) / Lane Closure Implementation (LCI).

TRAFFIC BACKUP NOTIFICATION

- Emergency contact number: 911
- The Traffic Operations Center (TOC), (540) 375-0170, shall be notified of any lane or road closures and/or traffic backups related to sequence of construction staging activities by project staff. The TOC will utilize all available ITS systems, such as VMS, to monitor the work zone(s) and all adjacent areas, make entries into systems that fee this information to VA traffic and utilize assets such as permanent and mobile variable message signs with CDMA modems to alert motorists / travelling public of any adverse impact to traffic flow patterns.
- The TOC shall be responsible for intra-agency notifications to entities, such as but not limited to Virginia State Police (VSP), Local 911 and other affected agencies.
- A review of all major incidents, as determined by the Regional Incident Management Coordinator, shall be accomplished within forty-eight (48) hours of clearance of the incident. At a minimum, VDOT Construction, District Traffic Engineering, Contractor or designee, Emergency Responders and Virginia State Police shall be in attendance.

Typical Temporary Traffic Control figures and notes from Chapter 6H, Typical Applications, 2011 VWAPM, Rev. 2:

- TTC-4J Stationary Operation on a Shoulder
- TTC-5.2 Shoulder Operation with Minor Encroachment
- TTC-14.2 Moving / Mobile Operation on a Two Lane Roadway
- TTC-23.2 Lane Closure on a Two Lane Roadway Using Flaggers
- TTC-24.2 Non-Stationary Operation on a Two Lane Roadway Using Flaggers
- TTC-53.0 Signing for Project Limits

The Contractor may use other Typical Applications or combinations thereof as approved by the Engineer.

TRANSPORTATION OPERATIONS PLAN

- The process to notify the Regional Traffic Operations Center (TOC) to enter lane closure information on the Virginia Traffic Information Management System (VA Traffic) shall be as follows:
 - The Contractor shall submit planned lane closure information to VDOT Construction Project Inspector twenty-four (24) hours in advance of planned lane closure.
 - The Construction Project Inspector shall notify the TOC at (540) 375-0170 of all proposed lane closures and/or traffic backups.
 - Contractor shall notify the TOC at (540) 375-0170 thirty (30) minutes prior to installation of a planned / approved lane closure and within thirty (30) minutes after the closure is removed.
 - The TOC Operator will enter the closure data in VA Traffic and monitor lane closure information.
- Local Emergency Contacts:

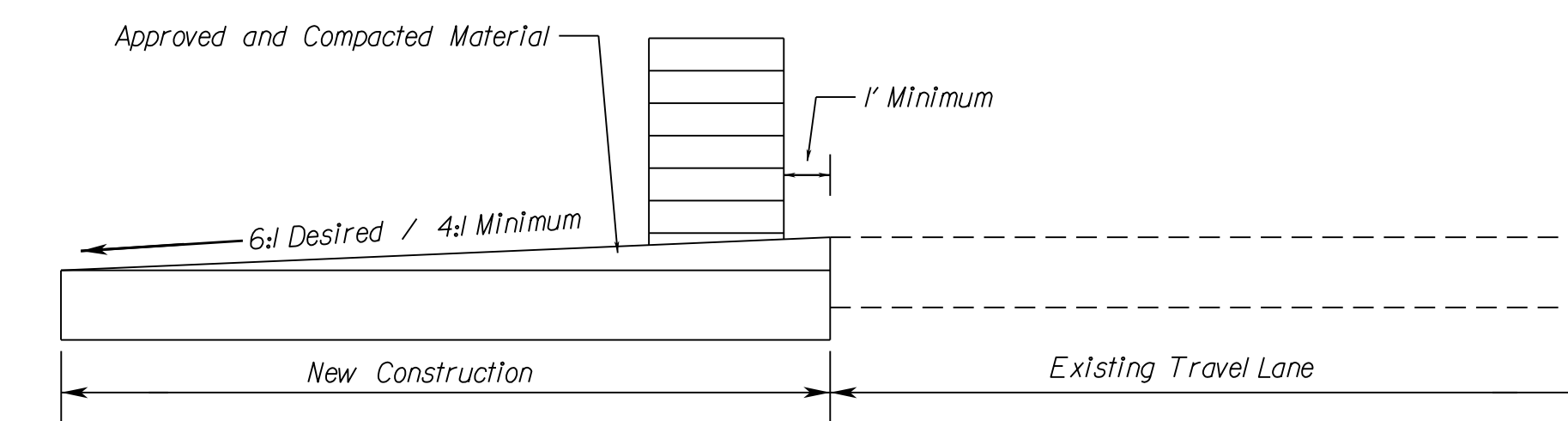
a. Virginia State Police Area 23:	(434) 476-1887
b. Pittsylvania County Sheriff's Office:	(434) 656-6211
c. 911 Emergency Center (Fire / Rescue):	911
d. Hazmat Center (if spill involved):	(804) 897-6500
- Procedures to respond to traffic incidents that may occur in the work zone.
 - Contractor is to advise Virginia State Police and VDOT Construction Inspector in charge.
 - Contractor may be required to cease work depending on the severity of the incident.
 - Upon arrival on scene, VSP will determine the necessary response to allow the travelling public safely around the incident.
 - Project Inspector shall notify Construction Project Manager, Residency Administrator and District Work Zone Safety Coordinator of incident and take photos and videos as necessary in order to document and verify proper work zone set up by the Contractor.
- In the event of an incident occurring within the work zone, the Contractor shall notify:

a. Project Maintenance of Traffic Coordinator:	To Be Determined	
b. Project Construction Manager:	Thomas Pettus	(434) 830-4071
c. Project Construction Engineer:	Greg Parsons, P.E.	(434) 856-8297
d. District Work Zone Safety Coordinator:	Danny Cruff	(434) 856-8160
e. District Traffic Engineer:	Kelth Rider, P.E.	To Be Announced
f. District Public Affairs Manager:	Len Stevens	(434) 856-8176
- The Virginia State Police shall take control of any incident and direct its clearing and restoration to normal traffic conditions.
- The Virginia State Police report of the incident will be reviewed by the Area Construction Engineer to determine if any modification of the Temporary Traffic Control Plan is necessary. If it is deemed necessary to alter the plan, a meeting shall be convened with the Contractor, VDOT Construction, Safety and Traffic Engineering representatives and VSP (if necessary) to discuss modification and implementation of an improved TTC plan.

TEMPORARY TRAFFIC CONTROL GENERAL NOTES

- The Contractor is to determine the length of work zone(s) in accordance to the layouts specified herein and in the 2011 Virginia Work Area Protection Manual; Revision 2 (September 1, 2019) given field conditions in order to plan and prosecute the work. The Contractor may submit his own plan or deviations from the plan two (2) week prior to performing the work, in writing, which shall be approved by the Engineer prior to implementation.
- The Contractor shall make arrangements to store materials and equipment beyond the Design Clear Zone and dynamic deflection area of all physical barriers.
- Access (Ingress / egress) to intersecting routes and entrances shall be maintained at all times during the life of the project. All traffic control devices shall be placed and moved as necessary to maintain adequate property owner access at all times. The work may require additional traffic control devices, grading and temporary pavement both during and after work hours to maintain such access.
- There shall be no concurrent work activities left and right of any travel lanes unless otherwise approved by the Engineer, in writing.
- All temporary traffic control device locations shall be marked by the Contractor and reviewed and approved by the Engineer prior to installation.
- All Traffic Control Devices (TCD) (i.e., signs) necessary for the Maintenance of Traffic are to be supplied, maintained, and removed when no longer necessary by the Contractor.
- The Contractor is responsible for maintaining positive drainage during construction. The Contractor shall provide temporary drainage as required to prevent ponding of water on existing roadways and adjacent properties.
- Traffic shall not be stopped along any approach longer than eight (8) minutes at any given time, unless otherwise approved or directed by the Engineer.
- The Contractor shall cover or remove all existing signs that conflict with the proposed Maintenance of Traffic Plan and/or as directed by the Engineer.
- Measures shall be taken to ensure adequate sight distances during construction activities are maintained. Traffic Control Devices (i.e., signs), construction equipment, material storage or any other obstacle shall not interfere with sight distances in the vicinity of intersections and/or entrances.
- All areas excavated below existing pavement surfaces at the conclusion of each workday shall be backfilled with an aggregate base material, asphalt or other approved material to form and approximate 6:1 wedge against the existing pavement surface for the safety and protection of vehicular traffic. See Safety Wedge Detail on this sheet.
- Any excavation and/or digging required for any portion of the Work shall have the location(s) marked by Miss Utility (811) prior to any excavation work to ensure there are no utility conflicts.
- The Contractor shall restore all disturbed area or any damage by his operations to its original condition.

SAFETY WEDGE DETAIL



P. H. PLANS

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PROJECT MANAGER ----- R.A. ROSADO, P.E., (434) 856-8318 (LYNCHBURG DISTRICT)
 SURVEYED BY, DATE RAYFORD, T. CLARK, L.S. (434) 856-8262 (LYNCHBURG DISTRICT)
 DESIGN BY ----- R.A. ROSADO, P.E., (434) 856-8318 (LYNCHBURG DISTRICT)
 SUBSURFACE UTILITY BY, DATE -----
 LYNCHBURG DISTRICT DESIGN UNIT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	642	0642-071-822, C501	

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

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: Conc. Headwall
- G-6 The borrow material for this project shall be a minimum CBR 5 or greater, Liquid Limit (L.L.) of 50 or less, and Plasticity Index (P.I) of 20 or less, or as approved by the Materials Engineer.

PAVEMENT

- P-2 The pavement materials on this project will be paid for on a tonnage basis. The weight will vary in accordance with the specific gravity of the aggregates and the asphaltic content of the mix actually used to secure the design depth. The weight of the asphalt concrete is based on 95% of the theoretical maximum density.

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-6 Certain trees shall be preserved as noted on plans or as directed 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-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 15(1) thru 15(15) and as directed by the Engineer.
- 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 preparation of the bid and construction of the project, Microstation format (.dgn) files will be made available to the prime contractor during bids and after award of the contract.
- I-21 All electronic plan assemblies will include the construction plans in two formats: PDF files and MicroStation format (.dgn) files. Only the PDF files will be considered as part of the official plan assembly.

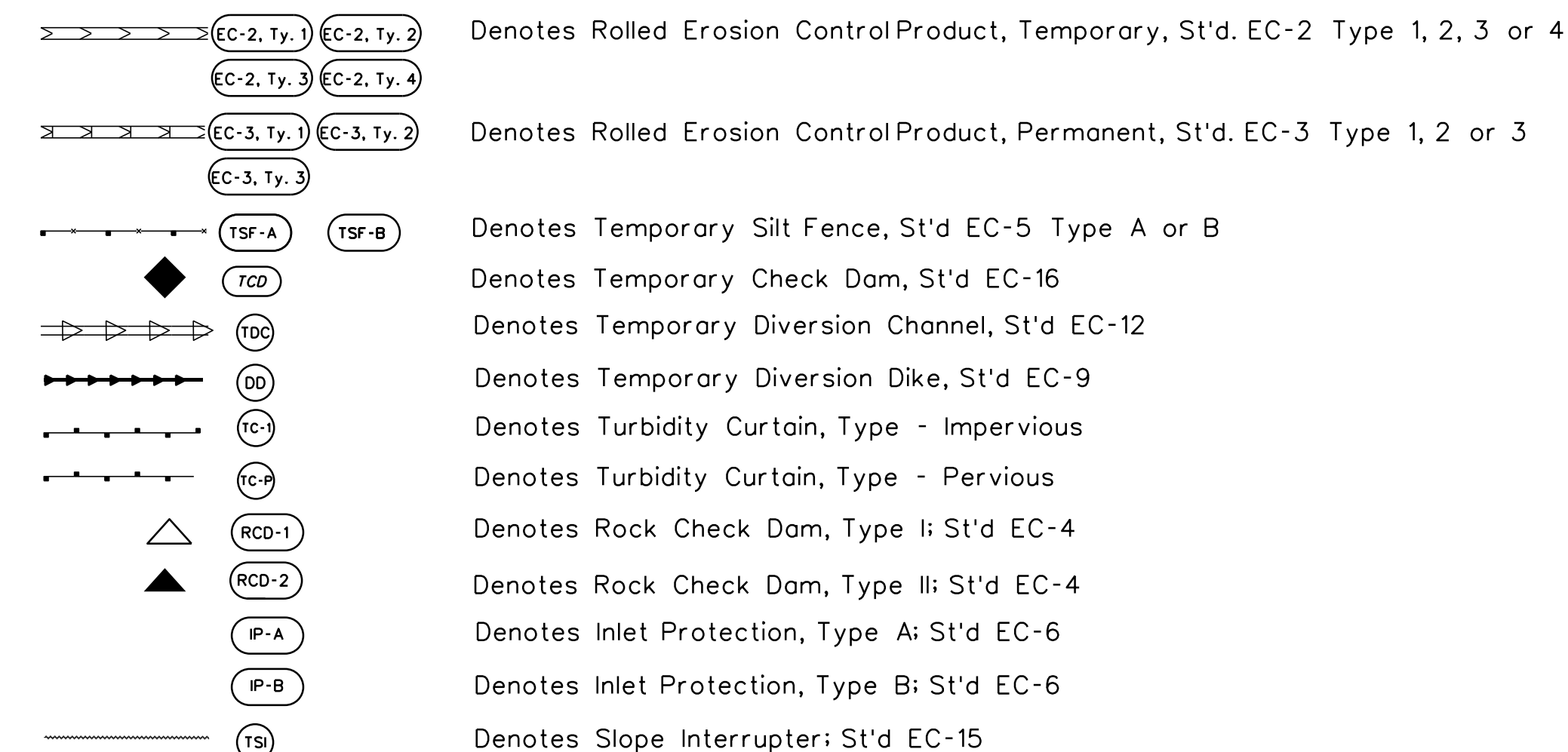
The MicroStation format (.dgn) files are furnished only as information for the contractor. These plans are developed in layers (levels) to aid in readability. (See the VDOT CADD Manual for CADD Level Structure). However, the construction items may or may not be in the proper layering scheme as described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

DRAINAGE

- D-1 The horizontal location of all drainage structures shown on these plans is approximate only, with the exception of structures showing specific stations, special design bridges and storm sewer systems.
- D-2 The horizontal location and invert elevations shown for proposed culverts and storm sewer outfall pipes are based on existing survey data and required design criteria. If during construction, it is found that the horizontal location or invert elevations shown on the plans differ significantly from the horizontal location or elevations of the stream or swale in which the culvert or storm sewer outfall pipe is to be placed, the Engineer shall confer with, and get approval from, the applicable District Drainage Engineer before installing the culvert or storm sewer outfall pipe.
- D-3 The "H" dimensions shown on 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-6 Pipes shall conform to any of the allowable types shown on sheet number 2D, within the applicable height of cover limitations. For strength, sheet thickness, or class designation; available sizes; height of cover limitations; and other restrictions for a particular pipe type or height of cover, see the VDOT Road and Bridge Standard PC-1. Structural plate pipe may be substituted for corrugated pipe of the same size, provided the substitution complies with 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-14 Proposed drop inlets with a height (H) less than the standard minimum shown in the VDOT Road and Bridge Standards shall be considered and paid for as Standard Drop Inlets for the type specified. Pipes with less than standard minimum finished height of cover shall be noted as such in the drainage description for the pipe. Specific pipe bedding and cover requirements are provided in the applicable PB-1 and PC-1 standard drawings of the VDOT Road and Bridge Standards.

EROSION AND SEDIMENT CONTROL (ESC)

- E-1 If the removal of Brush Silt Barrier is specified by the plans or required by the Engineer, the cost of removal and disposal of brush shall be in accordance with Section 109 of the applicable VDOT Road and Bridge Specifications.
- 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 The following symbols are used to depict Erosion Control items in the plan assembly:



- E-4 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.

P. H. PLANS

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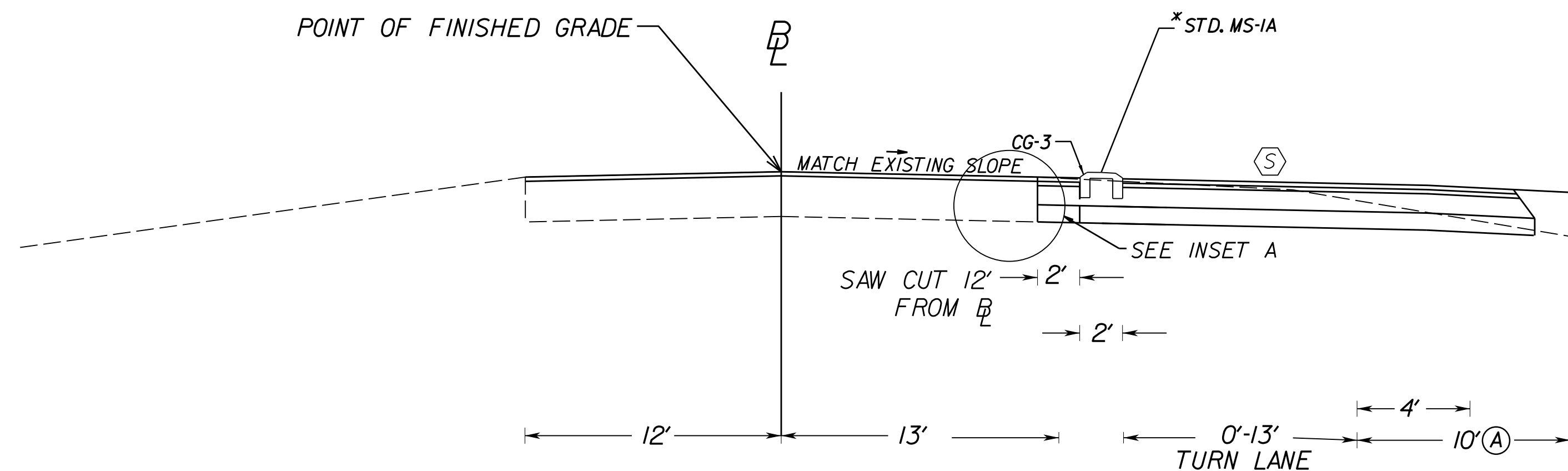
PROJECT MANAGER Raina A. Rosado, P.E. (434) 856-8218
 SURVEYED BY, DATE Rayford T. Clark, LS (434) 856-8262
 DESIGN BY Raina A. Rosado, P.E. (434) 856-8318
 SUBSURFACE UTILITY BY, DATE Rayford T. Clark, LS (434) 856-8262
 LYNCHBURG DISTRICT DESIGN UNIT

REVISED	STATE	STATE		SHEET NO.
	VA.	ROUTE	PROJECT	
	642	0642-041-822, C501		2A
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
VDOT Lynchburg District Lynchburg, Virginia ROADWAY ENGINEER		VDOT Lynchburg District Lynchburg, Virginia MATERIALS ENGINEER		

TYPICAL SECTIONS

RTE. 29 S.B.L.
NOT TO SCALE

RTE. 29 N.B.L.
NOT TO SCALE

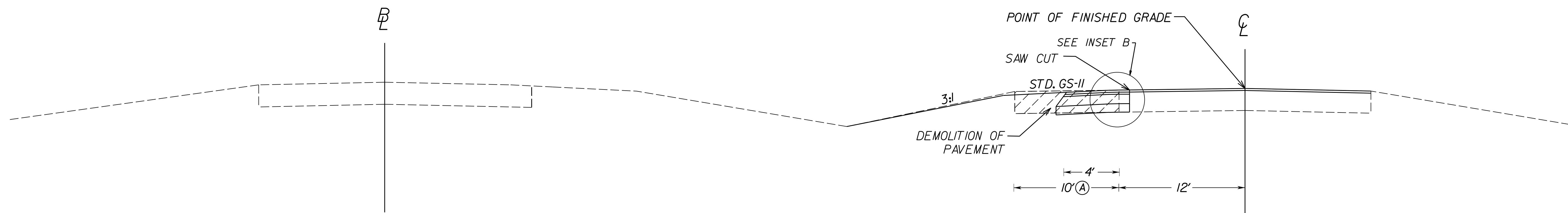


STATION	TO	STATION	WIDTH
119+65.54	-	122+51.79	VARIES. SEE PLANS.
122+51.79	-	124+52.93	13' TO 0' TAPER

RTE. 29 S.B.L.
NOT TO SCALE

SEE CROSS SECTIONS FOR PAVEMENT CROSS SLOPES (S)
LEFT TURN LANE AND TAPER

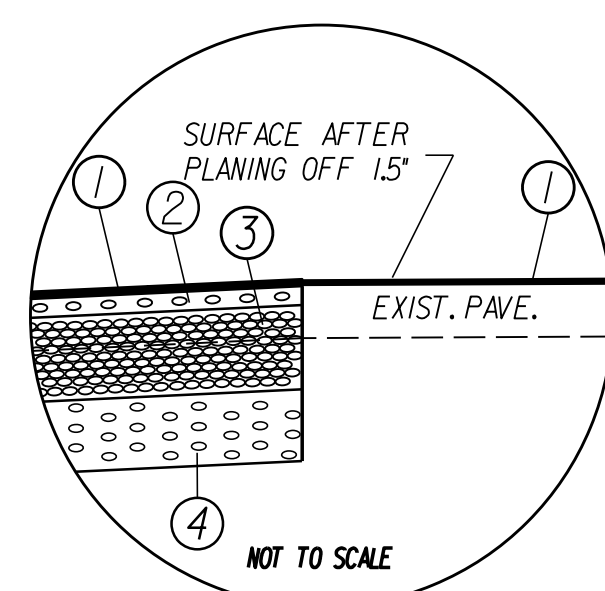
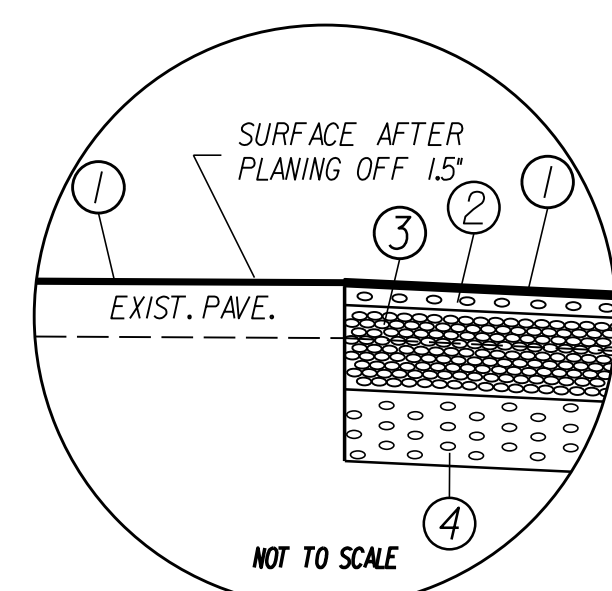
RTE. 29 N.B.L.
NOT TO SCALE



STATION	TO	STATION
116+46.22	-	119+65.54

INSET NO. A

INSET NO. B



TYPICAL SECTION NOTES:

- ① ASPHALT CONCRETE SURFACE COURSE
TYPE SM-9.5D AT 180 LBS/SY
- ② ASPHALT CONCRETE INTERMEDIATE COURSE
TYPE IM-19.0D AT 220 LBS/SY
- ③ 9" ASPHALT CONCRETE BASE COURSE
TYPE BM-25.0A (USE 1017 LBS/SY
FOR QUANTITY ESTIMATION PURPOSES ONLY)
- ④ 8" AGGREGATE BASE MATERIAL, TYPE I, VA. SIZE 21B
(USE 147 LBS/CF PLUS 6% MOISTURE CORRECTION
FOR QUANTITY ESTIMATION PURPOSES ONLY)

* - MS-1A ONLY REQUIRED FROM STA. 119+65.54 TO STA. 122+51.79.
SEE PLAN SHEET AND CROSS SECTIONS FOR MORE INFORMATION.

P. H. PLANS

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NOT TO SCALE	PROJECT 0642-041-822	SHEET NO. 2A
--------------	-------------------------	-----------------

PROJECT MANAGER: RAINA A. ROSADO, P.E. (434) 856-8318 (LYNCHBURG)
 SURVEYED BY, DATE: RAYFORD T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 DESIGN BY: MARC W. WOODELL, P.E. (434) 856-8369 (LYNCHBURG)
 SUBSURFACE UTILITY BY, DATE: RAYFORD T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 LYNCHBURG DISTRICT DESIGN UNIT

REVISED	STATE	STATE		SHEET NO.
	ROUTE	PROJECT		
	VA.	642	0029-071-822 P101, R201, C501	2D

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

DRAINAGE SUMMARY																
DRAINAGE LOCATION	HEIGHT OF COVER	PIPE				DROP INLETS			SWM-1 STORM WATER MAN. DRAIN. STR.	MH-1 OR MH-2	MH-1 FRAME & COVER	END SECTIONS		CONC. CLASS A3 MISC.	REMARKS	
		STORM SEWER PIPE				HEIGHT OF DROP INLET	DI-3A					DI-3B	15"			18"
		15"	15"	18"	15"		L = 4'	L = 6'								
NUMBER	FT.	L.F.	L.F.	L.F.	L.F.	FT.	EA.	EA.	EA.	L.F.	L.F.	EA.	EA.	C.Y.		
3-1												1			Modify Existing Drop Inlet, St'd. MH-1 Frame and Cover Req'd.	
3-2	2	80											2			
TOTALS		80										1	2			

EROSION CONTROL SUMMARY														
Sheet Number	Rolled Erosion Ctrl Product EC-2 Type 2	Temporary Construction Entrance ESC-INS *	Temporary Filter Barrier EC-5	Temporary Silt Fence EC-5 Type A	Temporary Silt Fence EC-5 Type B	Rock Check Dam EC-4		Temporary Sediment Basin and Traps			Inlet Protection EC-6		Siltation Control Excavation	
						Type 1	Type 2	Temporary Sediment Basin Excavation	Temporary Sediment Basin Control Structure 48"	Total Storage Volume (Wet Storage + Dry Storage)	Dewatering Basin EC-8	Type A		Type B
	Sq.Yd.	Ea.	L.F.	L.F.	L.F.	Ea.	Ea.	Cu.Yd	L.F.	Cu. Yd.	Ea.	Ea.	Ea.	Cu.Yd.
3B	2318	1					4					1		6
Total	2318	1					4					1		6

* Not a pay item.

LOCATION	ALLOWABLE TYPE OF PIPE CULVERT (UNLESS OTHERWISE SHOWN IN DRAINAGE DESCRIPTIONS) (SEE ROAD AND BRIDGE STANDARD PC-1 FOR HEIGHT OF COVER LIMITATIONS FOR EACH TYPE)											
	CONCRETE	ALUMINUM COATED TYPE 2 CORRUGATED STEEL	POLYMER COATED (10/10) CORRUGATED STEEL	UNCOATED GALVANIZED CORRUGATED STEEL	GALVANIZED STEEL STRUCTURAL PLATE	GALVANIZED STEEL STRUCTURAL PLATE WITH THICKENED INVERT	CORRUGATED ALUMINUM ALLOY	CORRUGATED ALUMINUM ALLOY STRUCTURAL PLATE	POLYVINYLCHLORIDE (PVC) RIBBED PIPE (SMOOTH INTERIOR)	POLYETHYLENE (PE) CORRUGATED TYPE C	POLYETHYLENE (PE) CORRUGATED TYPE S	POLYPROPYLENE (PP) TYPE D OR S
Route 29	X	X	X			X	X	X	X	X	X	X

NOTE: ALL PIPE JOINTS TO BE SILT-TIGHT IN ACCORDANCE WITH AASHTO PP-63.

PROJECT MANAGER RAINA A. ROSADO, P.E. (434) 856-8318 (LYNCHBURG) --
 SURVEYED BY, DATE RAYFORD T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 DESIGN BY MARC W. WOODELL, P.E. (434) 856-8369 (LYNCHBURG) -----
 SUBSURFACE UTILITY BY, DATE RAYFORD T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 LYNCHBURG DISTRICT DESIGN UNIT

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	642	0029-071-822 P101, R201, C501	2F(1)

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

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the VPDES General Permit For Discharges Of Stormwater From Construction Activities (the VPDES Construction Permit) issued July 1, 2019 and VDOT's approved Annual ESC and SWM Standards and Specifications.

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance activities that disturb an area equal to or greater than 10,000 square feet outside the Chesapeake Bay Preservation Area, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

The VDOT RLD (as defined in the latest IIM 242) will ensure that the information shown on the SWPPP General Information sheets is updated/ revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/ revised sheets shall be maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

I certify under penalty of law that I have read and understand this document and that this document and all attachments were prepared in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that this document and all other documents related to the SWPPP, as identified on the SWPPP General Information Sheets, are maintained at the activity site, or at a location convenient to the activity site where no on-site facilities are available, and such documents will be made available for review upon request in accordance with the provisions of the General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10) when applicable. Where the SWPPP documents are not stored on-site, a copy of such documents shall be in the possession of those with day to day operational control over the implementation of the SWPPP whenever they are on site.

* or ** Delegated Authority Signature*

Signature: _____
 Printed Name: _____
 Date: _____

(1) See Section 1, Item 11 relating to delegation of authority, and form LD-445H (Delegation of Authority).

ACRONYMS

CBPA - Chesapeake Bay Preservation Act BMP - Best Management Practice DEQ - Department of Environmental Quality EPA - U.S. Environmental Protection Agency ESC - Erosion and Sediment Control IIM - Instructional and Informational Memorandum R&B - Road and Bridge RLD - Responsible Land Disturber	SWPPP - Stormwater Pollution Prevention Plan TMDL - Total Maximum Daily Load VDOT - Virginia Department of Transportation VPDES - Virginia Pollutant Discharge Elimination System VSMP - Virginia Stormwater Management Program VESCP - Virginia Erosion and Sediment Control Program WLA - Waste Load Allocation SWM - Stormwater Management
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SECTION I GENERAL INFORMATION

1. Activity description - Construct a concrete island in the median at rte 29 and rte 642 (shula drive) at the existing crossover to restrict left turning movements from the western leg of rte 642 to reduce conflict points at the existing crossover.

2. This land disturbance (construction) activity site is located in Pittsylvania County and approximately 0.75 acres will be disturbed by excavation, grading or other construction activities.

3. This proposed activity disturbs less than one acre and is exempt from coverage under the VPDES General Permit for Discharges of Stormwater from Construction Activities (the VPDES Construction Permit) as issued by the DEQ.

✖✖ 4. The location of on-site support facilities that will be covered under the VPDES Construction Permit coverage for this land disturbance (construction) activity shall be provided by the contractor and identified on the record set of plans or in other appropriate contract documents. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may generate a stormwater or non-stormwater discharge directly related to the construction site.

✖✖ 5. Written Evidence of permit coverage shall be provided by the contractor for all support activities located outside of VDOT right of way or easement in the form of the Construction General Permit coverage letter: (List VPDES Permit * or Letter from VSMP Authority stating coverage not needed)

6. List the surface waters that have been identified as impaired in the DEQ 2012 305(b)/303(d) Water Quality Assessment Integrated Report for sediment, total suspended solids, turbidity, Nitrogen or Phosphorus. These pollutants are considered benthic impairments: N/A

7. Identify the TMDL's where stormwater from construction activities discharges into a watershed with a TMDL waste load allocation established and approved by the State Water Control Board prior to July 1, 2016 for sediment, total suspended solids, turbidity, nitrogen or phosphorus: Roanoke (Staunton) River, Virginia TMDL (PCB)

8. This land disturbance activity discharges stormwater to the following surface waters that have been identified as exceptional in Section 9VAC25-260-30 A 3 c of the Virginia Administrative Code: (N/A).

9. Locations of surface waters and locations where concentrated stormwater is discharged from this land disturbance (construction) activity are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.

10. The ESC and SWM plans (where applicable) for this land disturbance (construction) activity have been developed in accordance with VDOT's Approved Annual Erosion and Sediment Control and Stormwater Management Standards and Specifications as approved by the DEQ.

11. List the RLD and other responsible parties for the land disturbance activity: (required for erosion and sediment control). The following individual(s) have "delegated authority" to sign all reports required by the construction permit including the SWPPP General Information Sheets and Inspection Reports (C-107). Reference form LD-445H for delegation of authority (form 445H for the project is hereby incorporated by reference into this SWPPP). These individual(s) has/have overall responsibility or the environmental matters for the project: (required only for permitted projects):

Name	Position	Responsibility
	RLD	Certify the SWPPP (with date & sig.)
	Certified Inspector	Sign (C-107) Inspection Form Part 1
	Certified Inspector	Sign (C-107) Inspection Form Part 2

✖ 12. The name of the VDOT individual(s) responsible for the oversight inspection in accordance with IIM-LD-256 on these land disturbance construction activities as identified on these SWPPP General Information Sheets. The names will be updated and maintained with the other SWPPP documents for this land disturbance activity.

VDOT Individuals	Position	Responsibility
	NPDES	NPDES coordinator responsible for the oversight inspection in accordance with IIM-LD-256
	Dist. Hyd. Engineer	District Hydraulic Engineer or designee(s) responsible for the review & the coordination approval of ESC SWM plan modification(s).

✖ 13. The ESC and P2 inspections for this land disturbing (construction) activity shall follow (Select Schedule 1 or 2, if schedule *2 is used, void note *14) as defined in 2016 R&B Specifications except for Section 107.16(e) 4. an Inspection Requirements Rain gauge notes apply only to Inspection Schedule 1.

✖✖ 14. The location of the on-site rain gage that will be used to determine the occurrence of a measurable storm event for the purposes of ESC and Pollution Prevention inspections will be provided by the contractor and identified on the record set of plans or in other appropriate SWPPP documents for this land disturbance activity: (List location of rain gage).

The rain gage shall be observed daily at " _____ " to determine the occurrence of a measurable storm event (i.e., 0.25 inches of rainfall or greater in a 24 hour period). A log book shall be maintained to record observation information which shall include (1) the date, (2) the time, (3) whether or not rainfall is occurring at the time of the observation, (4) the amount of accumulated rainfall in the gage, if any, and (5) whether or not an inspection is required based on the amount of accumulated rainfall in the gage. If there is no rainfall occurring at the time of the observation, the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage. If there is rainfall occurring at the time of the observation, the observation information is to be noted in the log book. The rain gage is not to be emptied but left to accumulate additional rainfall until the conclusion of the rainfall event. At the conclusion of the rainfall event, an observation of the rain gage shall be made and the observation information shall be noted in the log book and the rain gage emptied and replaced. An inspection is required if there is 0.25 inches or more accumulation noted in the rain gage.

15. The following VDOT documents are applicable to a) permitted projects b) non-permitted projects in Chesapeake Bay Preservation Areas (CBPA) with 2,500 S.F. to 1.0 acre of land disturbance c) non-permitted projects requiring a SWPPP and d) Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP:

- VDOT LD-445: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP and ESC projects > 10,000 s.f. but < 1 acre.
- VDOT LD-445A: Permitted projects only.
- VDOT LD-445C: Projects that require a permit, ESC Plan, or SWPPP.
- VDOT LD-445D: Permitted projects, CBPA projects and Non-permitted, Non-CBPA with BMP projects that have a water quantity BMP.
- VDOT LD-445F: Emergency work projects (when applicable).
- Water Quality Requirement (when applicable)
- VDOT LD-445H: Permitted projects only.
- VDOT C-107 Part I and Part II. All projects that require a permit or SWPPP.
- VDOT LD-445I: AS&S Approval Form (when applicable)

16. If there is an excessive loading of sediment from the project (i.e. more than to be expected from the project with an implemented ESC plan) that is discovered within a local watershed with a sediment TMDL that allocates a WLA to VDOT's MS4, (see note *7) the contractor shall investigate the area of concern at the site within 24 hours of discovery and ensure all erosion and sediment control best management practices are being implemented in accordance with the permits approved standards and specifications required by Part I.B of the current Construction General Permit. If corrective action is necessary, the contractor shall initiate corrective actions no later than 5 business days after the initial investigation.

17. If excessive loading of sediment from a land disturbing activity that is not the responsibility of the contractor is discovered discharging into a MS-4, the contractor shall notify the municipality with jurisdiction over erosion and sediment control activities.

- ✖ Denotes information that is to be provided/completed by the RLD.
- ✖✖ Denotes information that is to be provided/completed by the contractor.

Revised 5/1/19

	PROJECT 0029-071-822	SHEET NO. 2F(1)
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PROJECT MANAGER RAINA A. ROSADO, P.E. (434) 856-8318 (LYNCHBURG) --
 SURVEYED BY, DATE RAYFORD, T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 DESIGN BY MARC W. WOODELL, P.E. (434) 856-8369 (LYNCHBURG) -----
 SUBSURFACE UTILITY BY, DATE RAYFORD, T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 LYNCHBURG DISTRICT DESIGN UNIT

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE	STATE		SHEET NO.
		ROUTE	PROJECT	
	VA.	642	0029-071-822 P101, R201, C501	2F(2)

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

SECTION II EROSION AND SEDIMENT CONTROL

- XX 1. The intended sequence and timing of activities that disturb soils at the site (e.g., grubbing, excavation, grading, utilities and infrastructure installation, etc.) shall be provided by the contractor in accordance with the current edition of Section 108.03 of the VDOT R&B Specifications and shall be included with the other SWPPP documents for this land disturbance (construction) activity.
2. Directions of stormwater flow and approximate slopes anticipated after major grading activities are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
3. Areas of soil disturbance and areas of the site which will not be disturbed are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
4. Locations of major structural and nonstructural ESC measures intended to filter, settle or similarly remove sediment are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
5. Locations where stabilization practices are expected to occur are identified in the construction plan set (or other such documents) for this land disturbance (construction) activity.
6. A description of interim and permanent stabilization practices for the site are identified in the applicable sections of the documents identified in the Note 1 of Section IV.
- XX 7. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated will be provided by the contractor and maintained with the record set of plans or other SWPPP documents for this land disturbance (construction) activity: (List how this will be tracked and the location)
8. A description and schedule of procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good and effective operating conditions are identified in the current edition of Sections 107.16 and 303.03 of the VDOT R&B Specifications.
9. Nutrients shall be applied in accordance with the current edition of Sections 603 and 604 of the VDOT Road and Bridge Specifications. Nutrients shall not be applied during rainfall events. Top soil shall be applied in accordance with the current edition of section 602 of the latest Road and Bridge Specifications.
10. All engineering calculations supporting the design of erosion and sediment control measures proposed for this land disturbance (construction) activity are contained in the project drainage file located in the Lynchburg District Hydraulics Section and will be made available for review upon request during normal business hours.
11. The temporary erosion and siltation control items shown on the ESC Plan for this land disturbing (construction) activity are intended to provide a general plan for controlling erosion and sediment within the project limits. The ESC Plan is based on field conditions at the time of plan development and an assumed sequence of construction for the project. The contractor, in conjunction with the VDOT Project Engineer and/or ESC Inspector, shall adjust the location, quantity and type of erosion and sediment control items required based on the actual field conditions encountered at the time of construction and the actual scheduling and sequencing of the construction activities. Significant changes to the proposed ESC Plan (e.g., those that require an engineering analysis, elimination of a perimeter control, change to ESC concept that would affect the quantity or direction of flow of water) shall be submitted to the applicable District Hydraulics Engineer for review and approval. Any changes to the proposed ESC Plan must be noted on the designated record set of plans which shall be retained on the project site and made available upon request during normal business hours.
12. The areas beyond the project's construction limits are to be protected from siltation. Perimeter controls such as silt fence, diversion dikes, turbidity curtains, etc. shall be installed prior to any grubbing operations or other earth moving activities.
13. Temporary earthen structures such as dikes and berms are to be stabilized immediately upon installation. Stabilization may include temporary or permanent seeding, riprap, aggregate, sod, mulching, and/or soil stabilization blankets and matting in conjunction with seeding.
14. All channel relocations are to be constructed during the earliest stage of construction and shall be constructed in accordance with all applicable permit requirements and shall be constructed in the dry wherever possible. Stabilization or vegetation shall be established before flow is redirected through the constructed area as directed by the Engineer.
15. The contractor shall plan and implement his land disturbance operations in order to:
- Control the volume and velocity of stormwater runoff within the site to minimize erosion.
 - Control the peak flow rates, volume and velocity of stormwater discharges to minimize erosion at outlets and in downstream channels.
 - Minimize the amount of soil exposed.
 - Minimize the disturbance of steep slopes.
 - Minimize sediment discharge from the site.
 - Provide and maintain natural buffers around surface waters, direct stormwater runoff to vegetated areas and maximize stormwater infiltration, unless infeasible.
 - Minimize soil compaction (except in those areas where compaction is required by the contract documents) and preserve topsoil where feasible.

- XX 16. The name of the individual(s) or contractor(s) responsible for the installation and maintenance of the erosion and sediment control measures shall be supplied by the contractor and maintained with the other SWPPP documents for this land disturbance (construction) activity.
17. Soil stockpiles temporarily placed within the project area or on VDOT right of way or easement shall be identified, stabilized, and protected with sediment trapping measures.
18. A construction entrance or other approved measure shall be installed at all locations where construction vehicular traffic access routes intersect a paved or a public road in order to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a paved or a public road surface, the road shall be cleaned thoroughly at the end of each work day by shoveling or sweeping. Removed sediment shall be disposed of in accordance with Section 106.04 of the R&B Specifications.
19. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

The following exceptions to the Water Quantity criteria of the VSMP Regulation have been approved by the DEQ for this land disturbance (construction) activity: (list all approved exceptions and include a brief description of the exception, the date approved and the approving DEQ Office)

Type(1)	Regulation Modified(2)	Approval Date(3)	Description of Variance

- (1) Type of modification (Variance from ESC regulations, or Deviation from published guidance)
 (2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
 (3) Date that variance/exception/deviation was approved by DEQ.

SECTION III POST CONSTRUCTION STORMWATER MANAGEMENT

1. This land disturbance activity utilizes the Part IIB technical criteria (i.e., Runoff Reduction Method, Energy Balance Equation, etc.) in Section 9VAC25-870-62 et seq. of the VSMP Regulations.
2. An exception for (number) pounds of phosphorus removal has been granted for this land disturbance activity by the DEQ in its letter dated (date).
3. Any variance, exception or deviation approved by DEQ must be listed below and supporting documentation (exception/variance/deviation request and DEQ approval) must be maintained with the SWPPP.

The following exceptions to the Water Quantity criteria of the VSMP Regulation have been approved by the DEQ for this land disturbance activity: (list all approved exceptions and include a brief description of the exception, the date approved and the approving DEQ Office)

Type(1)	Regulation Modified(2)	Approval Date(3)	Description of Waiver

- (1) Type of modification (Variance, or Exception from SWM Regulations or Deviation from published guidance)
 (2) Section of Regulation or Guidance Document Modified (e.g. ESC Min. Std. 15)
 (3) Date that variance/exception/deviation was approved by DEQ.

4. The permanent onsite SWM facilities or offsite strategies proposed to meet the water quality/quantity requirements for this land disturbance (construction) activity are listed in Section VI.

ACRONYMS

CBPA - Chesapeake Bay Preservation Act BMP - Best Management Practice DEQ - Department of Environmental Quality EPA - U.S. Environmental Protection Agency ESC - Erosion and Sediment Control IIM - Instructional and Informational Memorandum R&B - Road and Bridge RLD - Responsible Land Disturber	SWPPP - Stormwater Pollution Prevention Plan TMDL - Total Maximum Daily Load VDOT - Virginia Department of Transportation VPDES - Virginia Pollutant Discharge Elimination System VSMP - Virginia Stormwater Management Program VESCP - Virginia Erosion and Sediment Control Program WLA - Waste Load Allocation SWM - Stormwater Management
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- ✱ Denotes information that is to be provided/ completed by the RLD.
- ✱✱ Denotes information that is to be provided/completed by the contractor.

Revised 5/1/19

	PROJECT 0029-071-822	SHEET NO. 2F(2)
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PROJECT MANAGER _ RAINA A. ROSADO, P.E. (434) 856-8318 (LYNCHBURG) _ _
 SURVEYED BY, DATE _ RAYFORD, T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 DESIGN BY _ MARC W. WOODFELL, P.E. (434) 856-8369 (LYNCHBURG) _ _ _ _ _
 SUBSURFACE UTILITY BY, DATE _ RAYFORD, T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 LYNCHBURG DISTRICT DESIGN UNIT

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	642	0029-071-822 P101, R201, C501	2F(3)

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

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the VPDES General Permit For Discharges Of Stormwater From Construction Activities (the VPDES Construction Permit) issued July 1, 2019 and VDOT's approved Annual ESC and SWM Standards and Specifications.

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance (construction) activities that disturb an area equal to or greater than 10,000 square feet outside the Chesapeake Bay Preservation Area, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

The VDOT RLD will ensure that the information shown on the SWPPP General Information sheets is updated/revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/revised sheets shall be maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

SECTION IV SWPPP

1. All documents related to the SWPPP for this land disturbance (construction) activity shall be maintained at the activity site and shall be readily available for review upon request during normal business hours. Such documents include, but are not limited to, the construction plans (or other such documents), the ESC Plan, the Pollution Prevention Plan, the post construction SWM Plan (if applicable), the VDOT R&B Standards and Specifications, Supplemental Specifications, Special Provisions and Special Provision Copied Notes. Documents related to stormwater pollution prevention which are not a part of those documents referenced above, such as copies of the VPDES Construction Permit coverage letter (when applicable) and the VPDES General Permit For Discharges Of Stormwater From Construction Activities (when applicable) and those required to be developed by the contractor for pollution prevention associated with any on-site support facilities being included in the VPDES Construction Permit coverage for this land disturbance (construction) activity are to be maintained at the activity site with the other SWPPP documents for this land disturbance (construction) activity. Where no facilities are available at the activity site to maintain the SWPPP documents, they are to be kept by or with the designated RLD at a location convenient to the activity site where they would be made available for review upon request during normal business hours.

2. The SWPPP and any subsequent amendments, modifications and updates shall be implemented from commencement of land disturbance until termination of VPDES Construction Permit coverage or completion of land disturbance (construction) activities where no VPDES Construction Permit coverage is required.

✖ 3. For all on-site support facilities that will be included in the VPDES Construction Permit coverage for this land disturbance (construction) activity, the contractor shall develop a SWPPP in accordance with, but not limited to, Section 106.08, 107.02 and 107.16 of the VDOT Road and Bridge Specifications. The SWPPP for the on-site support facilities shall be maintained with and become a component of the SWPPP for this land disturbance (construction) activity. Support facilities shall include, but not be limited to, borrow and disposal areas, construction and waste material storage areas, equipment and vehicle washing, maintenance, storage and fueling areas, storage areas for fertilizers, fuels or chemicals, concrete wash out areas, sanitary waste facilities and any other areas that may generate a stormwater or non-stormwater discharge directly related to the construction site.

4. For those land disturbing (construction) activities requiring coverage under the VPDES Construction Permit, the SWPPP shall be made available for review upon the request of the DEQ, the EPA, the VSMP Authority, the VESCP Authority, local government officials or the operator of a municipal separate storm sewer system (MS4) receiving discharge from the construction site.

✖ 5. For those land disturbing (construction) activities requiring coverage under the VPDES Construction Permit, the VDOT RLD shall post, or have posted, a copy of the General Permit coverage letter and a copy of a completed LD-445A form, noting the name and contact information for the VDOT person responsible for the land disturbing (construction) activity and its SWPPP, outside the project's construction office along with other Federal and State mandated information. Where there is no construction office (e.g., a maintenance activity), the permit coverage letter and the LD-445A form are to be maintained with the other SWPPP documents for the land disturbing (construction) activity.

6. The SWPPP shall be made available for review by the public upon request. Such reviews shall be at a time and publicly accessible location convenient to the VDOT and shall be scheduled during normal business hours and no less than once per month.

SECTION V - POLLUTION PREVENTION PLAN

1. The following non-stormwater discharges from this land disturbing (construction) activity and any on-site support facilities are prohibited:
 - a. Wastewater from concrete washouts.
 - b. Wastewater from the washout and cleanout of stucco, paint, from release oils, curing compounds and other construction materials.
 - c. Fuels, oils or other pollutants used in vehicle and equipment operation and maintenance.
 - d. Oils, toxic substances or hazardous substances from spills or other releases.
 - e. Soaps, solvents or detergents used in equipment and vehicle washing.
 - f. There shall be no discharge of floating solids or visible foam in other than trace amounts.
2. The following non-stormwater discharges from this land disturbing (construction) activity and any on-site support facilities are allowed when discharged in compliance with the VPDES Construction Permit:
 - a. Discharges from firefighting activities.
 - b. Fire hydrant flushings.
 - c. Waters used to wash vehicles or equipment where soaps, solvents or detergents have not been used and the wash water has been filtered, settled or similarly treated prior to discharge.
 - d. Water used to control dust that has been filtered, settled or similarly treated prior to discharge.
 - e. Potable water sources including uncontaminated waterline flushings managed in a manner to avoid stream impacts.
 - f. Routine external building wash down where soaps, solvents or detergents have not been used and the wash water has been filtered, settled or similarly treated prior to discharge.
 - g. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (or where all spilled or leaked material has been removed prior to washing), where soaps, solvents or detergents have not been used and where the wash water has been filtered, settled or similarly treated prior to discharge.
 - h. Uncontaminated air conditioning or compressor condensate.
 - i. Uncontaminated ground water or spring water.
 - j. Foundation or footing drains where flows are not contaminated with process materials such as solvents.
 - k. Uncontaminated excavation dewatering, including dewatering trenches and excavations that have been filtered, settled or similarly treated prior to discharge.
 - l. Landscape irrigation.

✖✖

3. The contractor shall develop a Pollution Prevention Plan to address any of his on-site operations that have a potential to generate a pollutant that may reasonably be expected to affect the quality of stormwater discharges from this land disturbance (construction) activity. The Pollution Prevention Plan shall be developed in accordance with, but not limited to, Sections 106.08, 107.02 and 107.16 of the VDOT Road and Bridge Specifications and shall include a narrative with appropriate plan detail and shall be provided on standard 8.5 x 11 inch paper or larger and shall:
 - a. Identify the potential pollutant-generating activities and the pollutant that is expected to be exposed to stormwater.
 - b. Describe the location where the potential pollutant-generating activities will occur, or if identified on the record set of plans, reference the record set of plans.
 - c. Identify all non-stormwater discharges, as described in note two of this section, that are or will be commingled with stormwater discharges from the construction activity, including any on-site support activities.
 - d. Identify the person(s) or contractor(s) responsible for implementing and maintaining the pollution prevention practice or practices for each pollutant-generating activity.
 - e. Describe the pollution prevention practices and procedures that will be implemented to:
 - 1) Prevent and respond to leaks, spills, and other releases, including procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases, and procedures for reporting leaks, spills, and other releases in accordance with Section 107.16 of the VDOT Road and Bridge Specifications and the requirements within the VPDES Construction Permit.

- 2) Prevent the discharge of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities.
- 3) Prevent the discharge of soaps, solvents, detergents, and wash water from construction materials, including procedures for the clean-up of stucco, paint, form release oils, and curing compounds.
- 4) Minimize the discharge of pollutants from vehicle and equipment washing, wheel wash water, and other types of washing.
- 5) Direct concrete wash water into a leak-proof container or leak-proof settling basin. The container or basin shall be designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes. Liquid concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wash waters and shall not be discharged to surface waters.
- 6) Minimize the discharge of pollutants from storage, handling, and disposal of construction products, materials, and wastes including building products (such as asphalt sealants, copper flashing, roofing materials, adhesives, and concrete admixtures), pesticides, herbicides, insecticides, fertilizers, landscape materials, construction and domestic wastes (such as packaging materials), scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, styrofoam, concrete, and other trash or building materials.
- 7) Prevent the discharge of fuels, oils, and other petroleum products, hazardous or toxic wastes, waste concrete and sanitary wastes.
- 8) Address any other discharge from any potential pollutant-generating activity not listed herein.
- 9) Minimize the exposure of waste materials to precipitation by closing or covering waste containers during precipitation events and at the end of the business day, or implementing other similarly effective practices. Minimization of exposure is not required in case where the exposure to precipitation will not result in a discharge of pollutants.
- 10) Describe and implement procedures for providing pollution prevention awareness (including but not limited to prevention practices, disposal practices and appropriate disposal locations) for all applicable wastes (including any wash water), to appropriate personnel.

✖ Denotes information that is to be provided/completed by the RLD.

✖✖ Denotes information that is to be provided/completed by the contractor.

Revised 5/1/19

	PROJECT 0029-071-822	SHEET NO. 2F(3)
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PROJECT MANAGER: RAINA A. ROSADO, P.E. (434) 856-8318 (LYNCHBURG)
 SURVEYED BY, DATE: RAYFORD, T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 DESIGN BY: MARC W. WOODL, P.E. (434) 856-8369 (LYNCHBURG)
 SUBSURFACE UTILITY BY, DATE: RAYFORD, T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 LYNCHBURG DISTRICT DESIGN UNIT

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) GENERAL INFORMATION SHEET

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	642	0029-071-822 P101, R201, C501	2F(4)

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

The information contained in the SWPPP General Information sheets is intended to comply with the requirements of the VPDES General Permit For Discharges Of Stormwater From Construction Activities (the VPDES Construction Permit) issued July 1, 2019 and VDOT's approved Annual ESC and SWM Standards and Specifications.

The VDOT RLD will ensure that the information shown on the SWPPP General Information sheets is updated/revised as necessary in order to reflect changes that may occur during the construction phase of the land disturbing (construction) activity. The updated/revised sheets shall be maintained with the designated record set of plans (or other such documents) for the land disturbance (construction) activity.

The SWPPP General Information sheets are to be completed and included in the construction plan set (or other such documents) for land disturbance (construction) activities that disturb an area equal to or greater than 10,000 square feet, or equal to or greater than 2,500 square feet in the area defined as Tidewater, Virginia in the Virginia Chesapeake Bay Preservation Act.

SECTION VI - PERMANENT BMP INFORMATION Δ

* Denotes information that is to be completed by the RLD.
() See note referenced by number in parentheses.

INSTALLED BMP INFORMATION (VDOT Owned/Operated)

Plan Sheet(s)	Date BMP Made Functional	Type of BMP Installed (See Table A and C)	Geographic Location (County or City)	Latitude/Longitude (1)		VA 6th Order HUC (7)	Receiving Water (2)	Name of Impaired Water (9)	Acres Treated Per BMP (3)			* BMP Maintenance ID Number (10)	BMP Maintenance Manual (11)	BMP Inspection Manual (11)
				LAT	LONG				Impervious	Pervious	TOTAL			

ALTERNATIVE BMP INFORMATION

Plan Sheet(s)	Date	Type of BMP Installed (See Table B)	Geographic Location (County or City) (5)	Latitude/Longitude (1) (5)		VA 6th Order HUC (5) (7)	Receiving Water (2)	Name of Impaired Water (9)
				LAT	LONG			

Perpetual Nutrient Credits Acquired for Project

Name of Nutrient Credit Generating Entity (6)	Nutrient Credits (lbs./TP./year)	
	Acquired (6) (12)	

Δ Any changes to the proposed SWM Plan or BMPs necessitated during the construction phase of the project that affects the proposed construction details or potentially affects the information shown in the BMP Tables A and/or B shall be coordinated by the VDOT RLD with the appropriate VDOT District Hydraulics Engineer. The construction plans and the BMP Tables A and/or B are to be formally revised to reflect any authorized/approved changes to the proposed SWM Plan and/or the proposed BMP construction details. All plan revisions shall be completed in accordance with the Road Design Manual and the Construction Division IIM-CD-2013-12.01, signed and sealed in accordance with Department's sealing and signing policy IIM-LD-243 and filed with the construction record drawings maintained in the VDOT Central Office Plan File Room (ProjectWise). Prior to submitting for termination of coverage under the VPDES General Permit For The Discharge Of Stormwater From Construction Activities, the RLD shall have the District Maintenance Division review the BMPs installed with the project (BMP Table A) for acceptance of maintenance responsibility and to obtain a Maintenance ID number for each BMP listed in BMP Table A. The RLD shall use the information in BMP Tables A and B along with the assigned Maintenance ID number and the date that the BMP became functional as a permanent control measure (for BMPs in Table A only) to complete the LD-445D form when certifying the construction of the BMPs and submitting for termination of coverage under the VPDES General Permit For The Discharge Of Stormwater From Construction Activities.

Table A: Permanent BMP Types (1999 Va. SWM Handbook)

- Bio-retention Basin
- Bio-retention Filter
- Constructed Stormwater Wetlands
- Extended Detention Basin
- Extended Detention Basin Enhanced
- Grassed Swale
- Infiltration Basin
- Infiltration Trench
- Manufactured Treatment Device (MTD) (8)
- Retention Basin I
- Retention Basin II
- Retention Basin III
- Sand Filter
- Vegetated Filter Strip
- Other Approved Types (List Type)
- Detention Basin

Table C: Permanent BMP Types (BMP Clearing House)

- Sheet Flow to Vegetated Filter Strip
- Grass Channel
- Soil Compost Amendment
- Permeable Pavement (Level 1)
- Permeable Pavement (Level 2)
- Infiltration Practice (Level 1)
- Infiltration Practice (Level 2)
- Bioretention (Level 1)
- Bioretention (Level 2)
- Dry Swale (Level 1)
- Dry Swale (Level 2)
- Wet Swale (Level 1)
- Wet Swale (Level 2)
- Filtering Practice (Level 1)
- Filtering Practice (Level 2)
- Constructed Wetlands (Level 1)
- Constructed Wetlands (Level 2)
- Extended Detention Pond (Level 1)
- Extended Detention Pond (Level 2)
- Wet Pond (Level 1)
- Wet Pond (Level 2)
- Manufactured Treatment Device (MTD) (8)
- Other Approved Types (List Type)

NOTES:

- (1) In decimal degrees to the nearest one ten-thousandth of a degree.
- (2) For streams with no names, list "(Unnamed Tributary to downstream name)".
- (3) Show acres treated to the nearest one hundredths acre.
- (4) Include agreements with off-site BMP owners.
- (5) Information pertains to the alternative BMP option location, where applicable. Exception - Not required for nutrient credit purchase option.
- (6) Applies to the purchase of nutrient credits only.
- (7) Virginia 6th Order HUC (VAHU6) Example - Y030.
- (8) Final approved shop drawings of Manufactured Treatment Devices (MTDs) are to be included with the BMP information submitted with the LD-445D form.
- (9) List the name of any impaired water to which the BMP discharges. The determination of impaired water shall be based on those streams listed as impaired in the DEQ 2012 305(b)/303(d) Water Quality Assessment Integrated Report and shall be the first named waterbody to which the BMP discharges. The impaired waters are those impaired by sediment, total suspended solids, turbidity, nitrogen or phosphorus.
- (10) BMP Maintenance ID Number is to be assigned by the District Maintenance Division at permit termination or project completion. This ID number shall be assigned prior to the permit close out process and entered by the area construction engineer under this column, per IIM-LD-95

(11) Provide the section of each Maintenance manual that pertains to the type of BMP. Both manuals can be found at www.vdot.virginia.gov/business/manuals in the Maintenance selections. Example: Section 4 would be noted for both the maintenance and inspection manuals for a Bioretention Infiltration BMP.

(12) Nutrient credits purchased to the nearest one hundredth pound.

Revised 5/1/19

	PROJECT 0029-071-822	SHEET NO. 2F(4)
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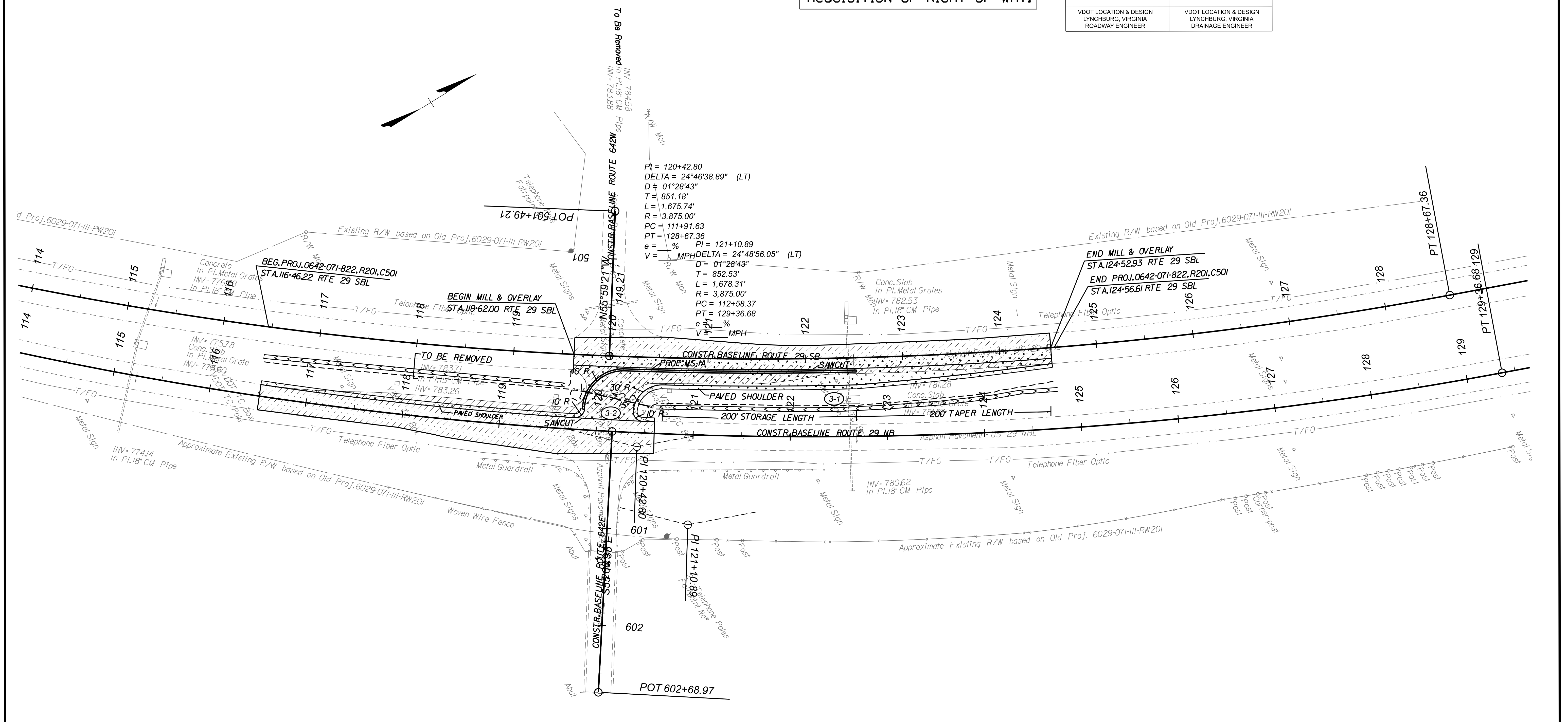
PROJECT MANAGER: RAINIA A. ROSADO, P.E. (434) 856-8318 (LYNCHBURG)
 SURVEYED BY, DATE: RAYFORD, T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 DESIGN BY: RAINIA A. ROSADO, P.E. (434) 856-8318 (LYNCHBURG)
 SUBSURFACE UTILITY BY, DATE: RAYFORD, T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 LYNCHBURG DISTRICT DESIGN UNIT

PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATELY ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED. ADDITIONAL EASEMENT MAY BE REQUIRED BEYOND THE PROPOSED RIGHT OF WAY SHOWN ON THE PLANS.

P. H. 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.

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	642		0642-071-822 P101, R201, C501	3
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 LYNCHBURG, VIRGINIA ROADWAY ENGINEER			VDOT LOCATION & DESIGN LYNCHBURG, VIRGINIA DRAINAGE ENGINEER		



$PI = 120+42.80$
 $DELTA = 24^{\circ}46'38.89'' (LT)$
 $D = 01^{\circ}28'43''$
 $T = 851.18'$
 $L = 1,675.74'$
 $R = 3,875.00'$
 $PC = 111+91.63$
 $PT = 128+67.36$
 $e = \%$ $PI = 121+10.89$
 $D = 01^{\circ}28'43''$
 $T = 852.53'$
 $L = 1,678.31'$
 $R = 3,875.00'$
 $PC = 112+58.37$
 $PT = 129+36.68$
 $e = \%$ MPH
 $V = MPH$
 $DELTA = 24^{\circ}48'56.05'' (LT)$

PLAN LEGEND

	Denotes Construction Limits In Cuts
	Denotes Construction Limits In Fills
	Denotes Demolition of Pavement (Flexible)
	Denotes Proposed Pavement
	Denotes Mill and Overlay

- (3-1) Modify Existing Drop Inlet
Ad just to Grade, Raise 3.5'
Add 1 Srd. MH-I Frame and Cover
Proposed Top Elev. = 788.0
- (3-2) 80' - 15" Pipe Req'd. (2' Cover)
(2) ES-1 Or 2 Req'd.

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

Mainline Profile 3A(1) - 3A(2)

SCALE 0 50' 100'	PROJECT 0642-071-822	SHEET NO. 3
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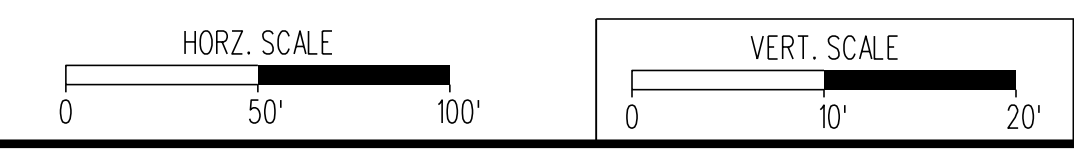
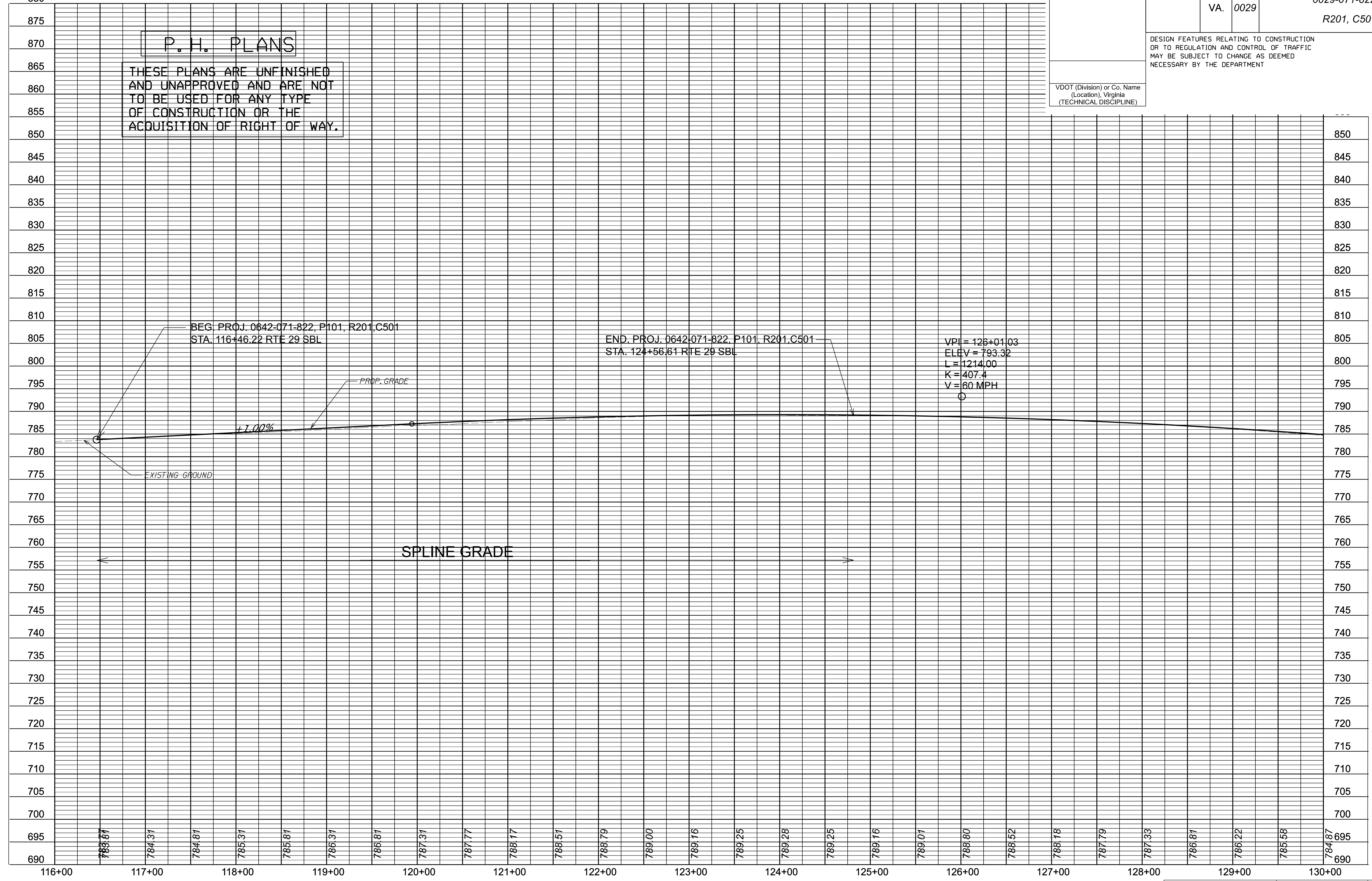
PROJECT MANAGER Raina A. Rosado, PE (434) 856-8318
 SURVEYED BY, DATE Rayford T. Clark, L.S. (434) 856-8262
 DESIGN BY Raina A. Rosado, P.E. (434) 856-8318
 SUBSURFACE UTILITIES BY, DATE _____

REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	0029		0029-071-822 R201, C501	3A(1)

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

VDOT (Division) or Co. Name
(Location), Virginia
(TECHNICAL DISCIPLINE)

P. H. PLANS
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PROJECT
0029-071-822
 SHEET NO.
3A(1)

PROJECT MANAGER Raina A. Rosado, PE (434) 856-8318
 SURVEYED BY, DATE Rayford T. Clark, L.S. (434) 856-8262
 DESIGN BY Raina A. Rosado, P.E. (434) 856-8318
 SUBSURFACE UTILITIES BY, DATE _____

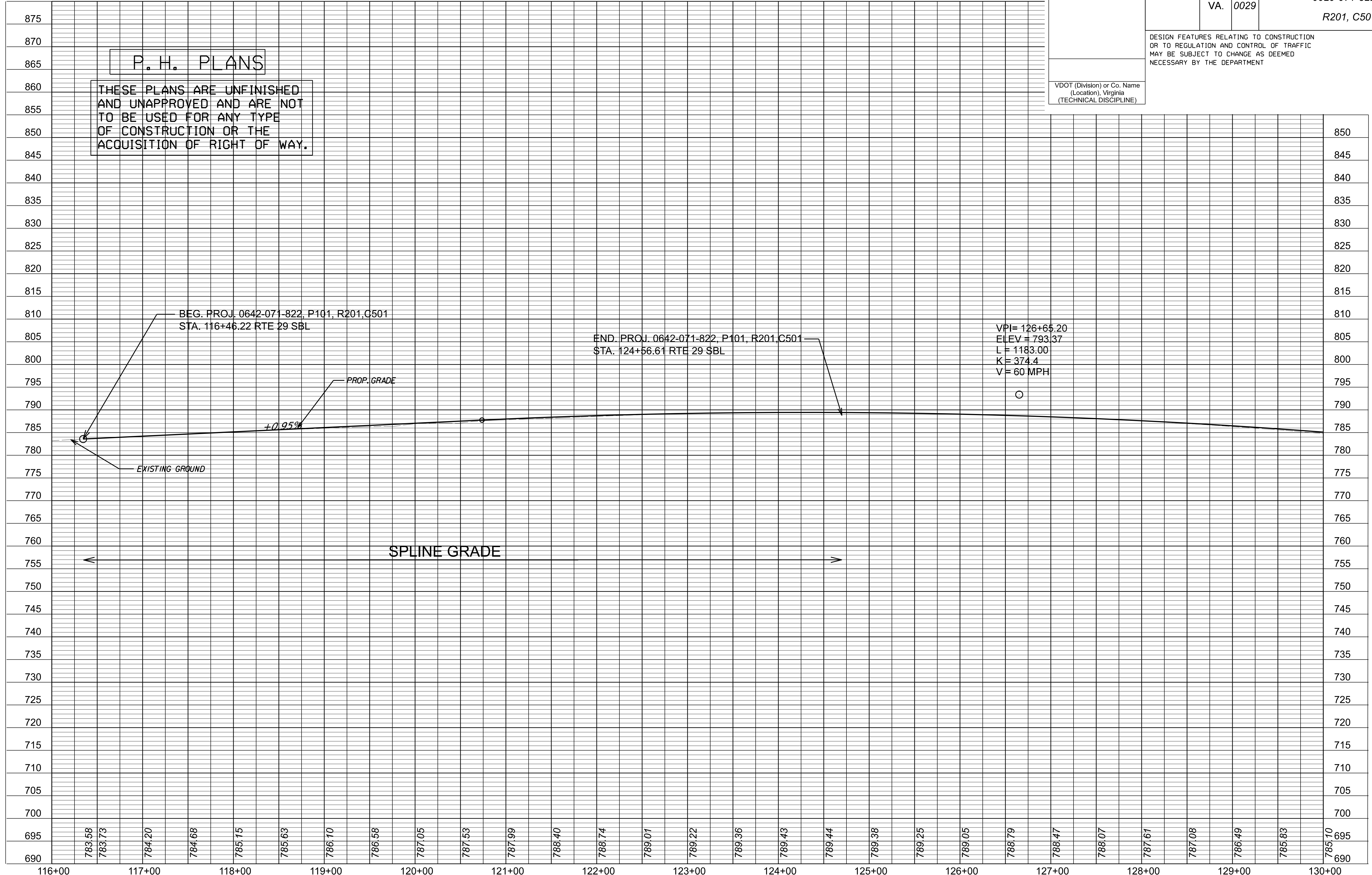
REVISED	STATE	ROUTE	STATE	PROJECT	SHEET NO.
	VA.	0029		0029-071-822 R201, C501	3A(2)

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

VDOT (Division) or Co. Name
(Location), Virginia
(TECHNICAL DISCIPLINE)

P. H. PLANS

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695	783.58	783.73	784.20	784.68	785.15	785.63	786.10	786.58	787.05	787.53	787.99	788.40	788.74	789.01	789.22	789.36	789.43	789.44	789.38	789.25	789.05	788.79	788.47	788.07	787.61	787.08	786.49	785.83	785.10	695
690																														690
	116+00		117+00		118+00		119+00		120+00		121+00		122+00		123+00		124+00		125+00		126+00		127+00		128+00		129+00		130+00	



PROJECT
0029-071-822

SHEET NO.
3A(2)

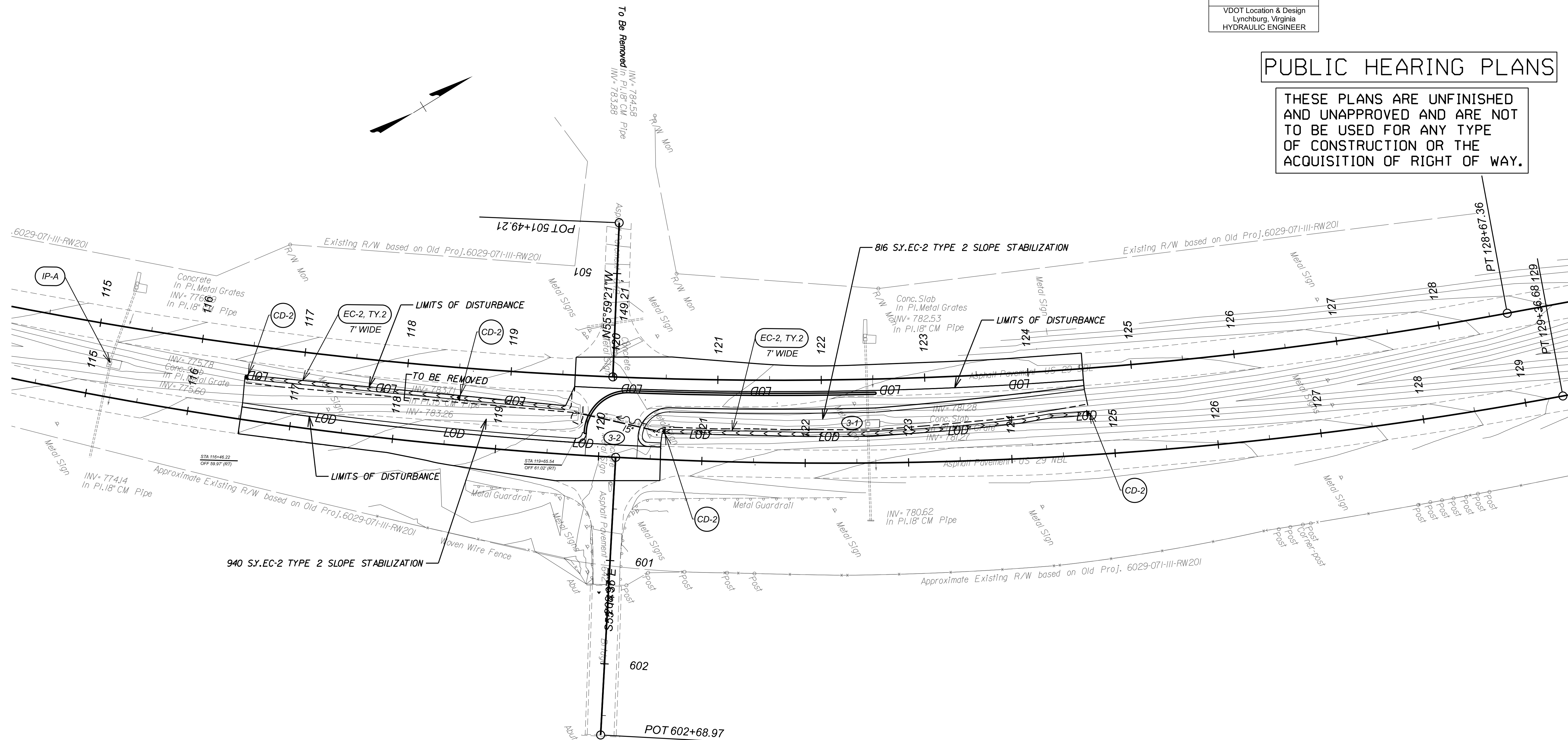
PROJECT MANAGER - RAINA A. ROSADO, P.E. (434) 856-8318 (LYNCHBURG) -
 SURVEYED BY, DATE - RAYFORD T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 DESIGN BY - MARC W. WODELL, P.E. (434) 856-8369 (LYNCHBURG) -
 SUBSURFACE UTILITY BY, DATE - RAYFORD T. CLARK, LS. (434) 856-8262 (LYNCHBURG)
 LYNCHBURG DISTRICT DESIGN UNIT

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	642	0029-071-822 P101, R201, C501	
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 Lynchburg, Virginia HYDRAULIC ENGINEER				

EROSION AND SEDIMENT CONTROL PLAN

PUBLIC HEARING 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.



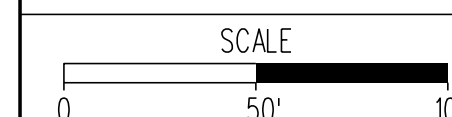
E&S NOTES:

- SEE GENERAL NOTES FOR E&S LEGEND.
- THIS DRAWING TO BE USED FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY.
- PLACE STABILIZED CONSTRUCTION ENTRANCES AT APPROPRIATE LOCATIONS TO PREVENT SEDIMENT FROM BEING TRANSPORTED ONTO PAVED SURFACES.
- ALL SLOPES TO BE LINED WITH EC-2 TYPE 2 ROLLED EROSION CONTROL PRODUCT OR AS DIRECTED BY ENGINEER.

DRAINAGE DESCRIPTIONS

- (3-1) Modify Existing Drop Inlet Ad just to Grade, Raise 3.5' Add 15' x 15' Frame and Cover Proposed Top Elev. = 788.0
- (3-2) 80' - 15" Pipe Req'd. (2' Cover) (2) ES-1 or 2 Req'd.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Plan	3
Erosion Control Summary	2D



PROJECT 0029-071-822	SHEET NO. 3B
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