FOR INDEX OF SHEETS SEE SHEET 1B

THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (GEOPAK).
GEOPAK Computer Identification No. (UPC number)

FHWA 534 DATA 14021

STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	STP-0193(041) See Tabulation Below for Section Numbers	15	(NFO) 0015 - 019 - 859 (SEE TABULATION BELOW FOR SECTION NUMBERS)	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
RURAL MINOR ARTERIAL - ROLLING - 30 MPH MIN. DESIGN SPEED	
	Fr: 0.055 MI. S. OF RTE. 15 BUS. To: 0.115 MI. N. OF RTE. 15 BUS.
ADT	4,586 (2018)
ADT	5,779 (2044)
DHV	694
D (%) (design hour)	50/50
T (%) (design hour)	6.62%
V (MPH)	⊗ SEE PLAN AND PROFILE SHEETS FOR DESIGN SPEEDS.

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

COUNTY OF CHARLOTTE
FARMVILLE HIGHWAY
FROM: 0.055 MI. S. OF RTE. 15 BUS.
TO: 0.115 MI. N. OF RTE. 15 BUS.

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.

PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

PROJECT MANAGER Anthony Rayelle (434) 856-8258
SURVEYED BY, DATE Daniel J. Brown, PE (434) 856-8265
DESIGN BY Daniel J. Brown, PE (434) 856-8265
SUBSURFACE UTILITY BY, DATE Rayford T. Clark, LS (434) 856-8262
LYNCHBURG DISTRICT DESIGN UNIT

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

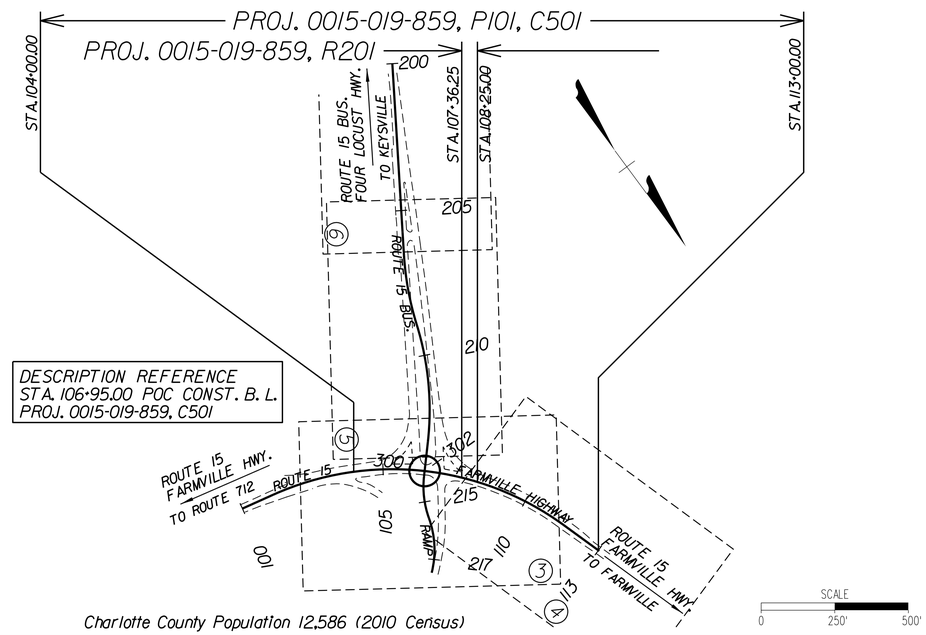
THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY AS AWARDED, HAS BEEN SEALED AND SIGNED USING DIGITAL SIGNATURES AND THE OFFICIAL PLAN ASSEMBLY IN ELECTRONIC FORMAT IS STORED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS.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

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

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S 2020 ROAD AND BRIDGE SPECIFICATIONS, 2016 ROAD AND BRIDGE STANDARDS, 2009 MUTCD, 2011 VIRGINIA SUPPLEMENT TO THE MUTCD, 2011 VIRGINIA WORK AREA PROTECTION MANUAL 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.

THE ORIGINAL APPROVED TITLE SHEET(S), INCLUDING ORIGINAL SIGNATURES, ARE FILED IN THE VDOT CENTRAL OFFICE PLAN LIBRARY. ANY MISUSE OF ELECTRONIC FILES, INCLUDING SCANNED SIGNATURES, IS ILLEGAL AND ENFORCED TO THE FULL EXTENT OF THE LAW.



Charlotte County Population 12,586 (2010 Census)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES FEET	LENGTH INCLUDING BRIDGE(S) FEET	LENGTH INCLUDING BRIDGE(S) MILES	LENGTH EXCLUDING BRIDGE(S) FEET	LENGTH EXCLUDING BRIDGE(S) MILES	BRIDGE PLAN NO.	TYPE PROJECT	DESCRIPTION
0015-019-859	P101	STP-0193(041)		110767	NONE			900	0.170		PREL. ENGR.	FROM: 0.055 MI. S. OF RTE. 15 BUS. TO: 0.115 MI. N. OF RTE. 15 BUS.
	R201	-		110767	NONE			88.75	0.017		RIGHT OF WAY	FROM: 0.008 MI. N. OF RTE. 15 BUS. TO: 0.025 MI. N. OF RTE. 15 BUS.
	C501	-	1000	110767	NONE			900	0.170		PAVEMENT, GRADING & DRAINAGE	FROM: 0.055 MI. S. OF RTE. 15 BUS. TO: 0.115 MI. N. OF RTE. 15 BUS.

PROJECT LENGTH BASED ON ROUTE 15 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

REVISED

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

Copyright 20 , Commonwealth of Virginia

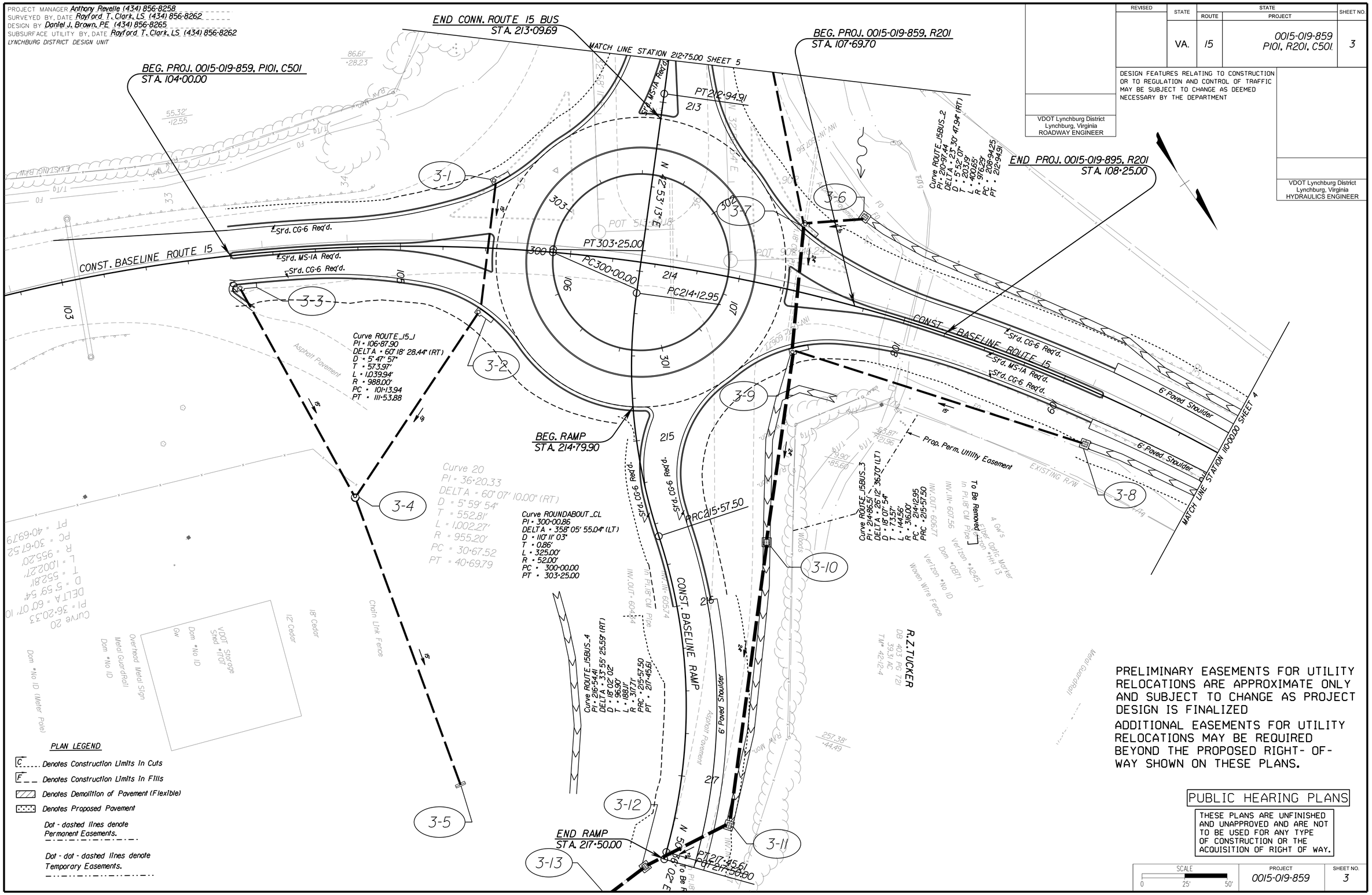
PROJECT MANAGER Anthony Revelle (434) 856-8258
SURVEYED BY, DATE Rayford T. Clark, LS (434) 856-8262
DESIGN BY Daniel J. Brown, PE (434) 856-8265
SUBSURFACE UTILITY BY, DATE Rayford T. Clark, LS (434) 856-8262
LYNCHBURG DISTRICT DESIGN UNIT

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	15	0015-019-859 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 Lynchburg District
Lynchburg, Virginia
ROADWAY ENGINEER

VDOT Lynchburg District
Lynchburg, Virginia
HYDRAULICS ENGINEER



PLAN LEGEND

- C ..... Denotes Construction Limits In Cuts
- F _ _ Denotes Construction Limits In Fills
- Denotes Demolition of Pavement (Flexible)
- Denotes Proposed Pavement
- Dot - dashed lines denote Permanent Easements.
- Dot - dot - dashed lines denote Temporary Easements.

PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF- WAY SHOWN ON THESE PLANS.

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.

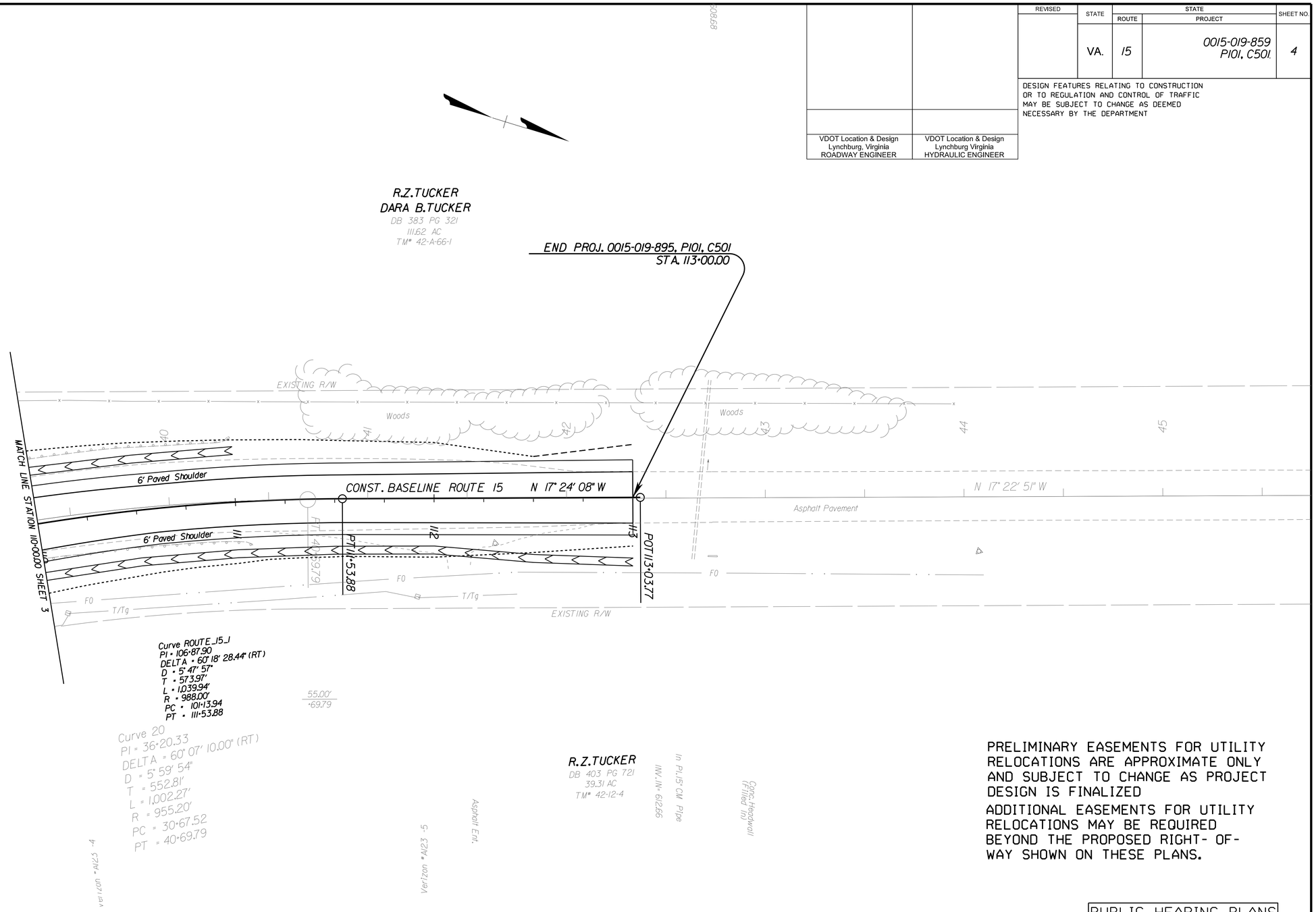
SCALE	PROJECT	SHEET NO.
0 25' 50'	0015-019-859	3

PROJECT MANAGER Anthony Revelle (434) 856-8258
SURVEYED BY, DATE Rayford T. Clark, LS (434) 856-8262
DESIGN BY Daniel J. Brown, PE (434) 856-8265
SUBSURFACE UTILITY BY, DATE Rayford T. Clark, LS (434) 856-8262
LYNCHBURG DISTRICT DESIGN UNIT

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	15	0015-019-859 P101, C501	4

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



PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF- WAY SHOWN ON THESE PLANS.

PLAN LEGEND

- C..... Denotes Construction Limits In Cuts
- F _ _ Denotes Construction Limits In Fills
- Denotes Demolition of Pavement (Flexible)
- Denotes Proposed Pavement
- Dot - dashed lines denote Permanent Easements.
- Dot - dot - dashed lines denote Temporary Easements.

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.

SCALE	PROJECT	SHEET NO.
0 25' 50'	0015-019-859	4

PROJECT MANAGER Anthony Revelle (434) 856-8258
SURVEYED BY, DATE Rayford T. Clark, LS (434) 856-8262
DESIGN BY Daniel J. Brown, PE (434) 856-8265
SUBSURFACE UTILITY BY, DATE Rayford T. Clark, LS (434) 856-8262
LYNCHBURG DISTRICT DESIGN UNIT

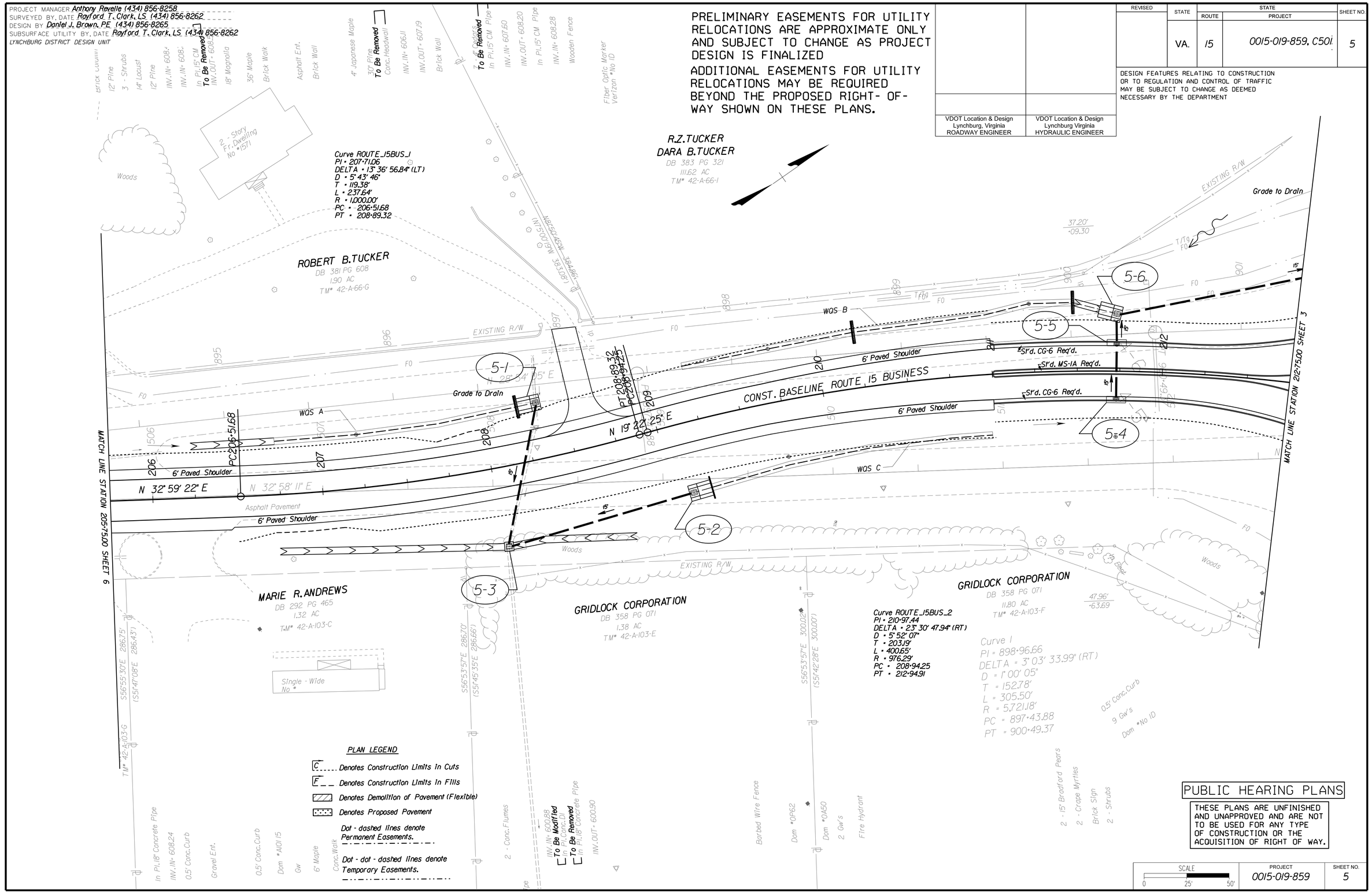
PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF- WAY SHOWN ON THESE PLANS.

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	15	0015-019-859, C501,	5

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



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.

SCALE	PROJECT	SHEET NO.
0 25' 50'	0015-019-859	5

PROJECT MANAGER Anthony Revelle (434) 856-8258
SURVEYED BY, DATE Rayford T. Clark, LS (434) 856-8262
DESIGN BY Daniel J. Brown, PE (434) 856-8265
SUBSURFACE UTILITY BY, DATE Rayford T. Clark, LS (434) 856-8262
LYNCHBURG DISTRICT DESIGN UNIT

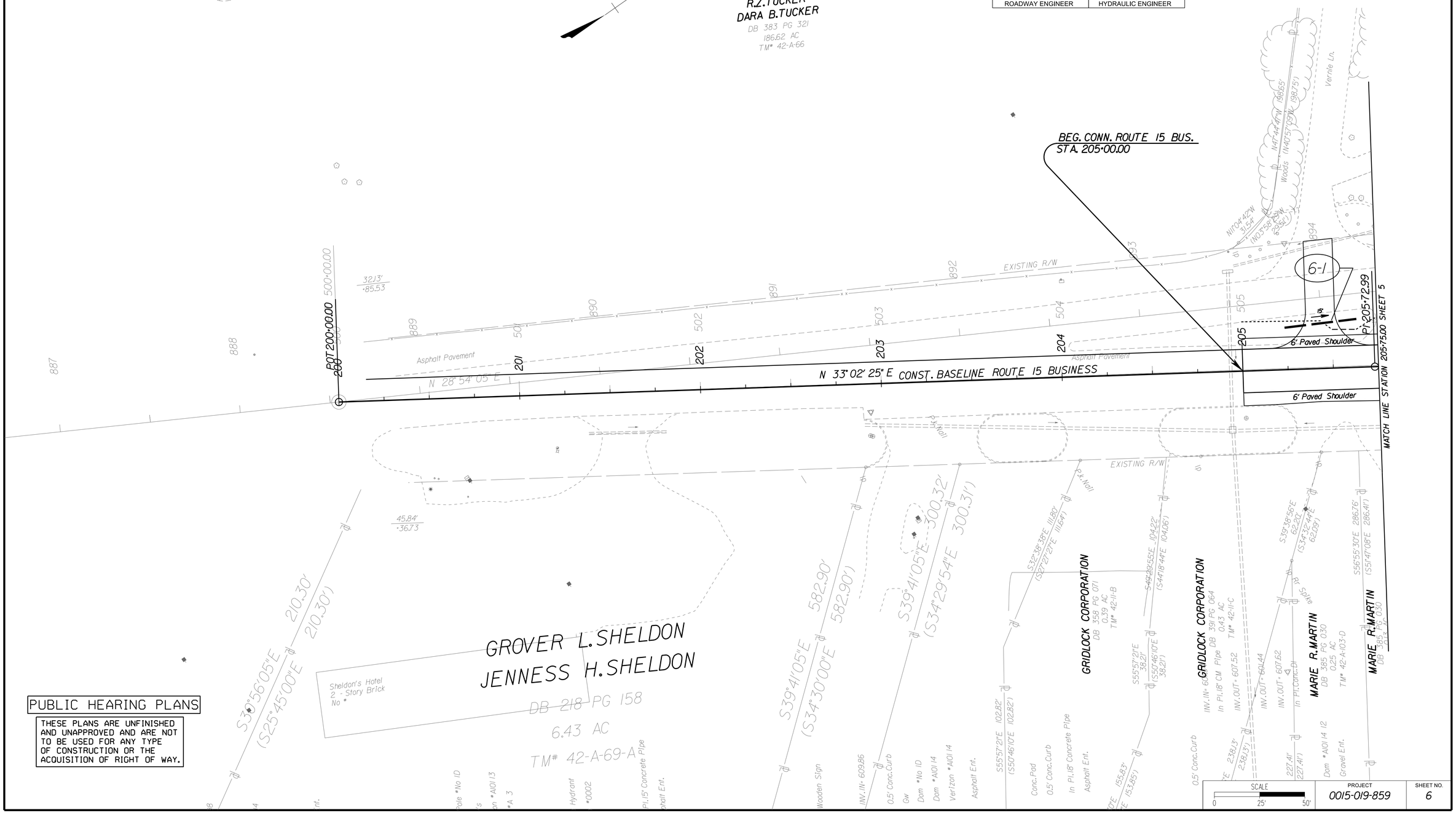
PRELIMINARY EASEMENTS FOR UTILITY RELOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE AS PROJECT DESIGN IS FINALIZED

ADDITIONAL EASEMENTS FOR UTILITY RELOCATIONS MAY BE REQUIRED BEYOND THE PROPOSED RIGHT- OF-WAY SHOWN ON THESE PLANS.

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

REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	15	0015-019-859, C501	6

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



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.

PROJECT	SHEET NO.
0015-019-859	6

PROJECT MANAGER Anthony Revelle (434) 856-8258
SURVEYED BY, DATE Rayford T. Clark, LS (434) 856-8262
DESIGN BY Daniel J. Brown, PE (434) 856-8265
SUBSURFACE UTILITY BY, DATE Rayford T. Clark, LS (434) 856-8262
LYNCHBURG DISTRICT DESIGN UNIT

TYPICAL SECTIONS

VDOT Lynchburg District Lynchburg, Virginia ROADWAY ENGINEER	VDOT Lynchburg District Lynchburg, Virginia MATERIALS ENGINEER

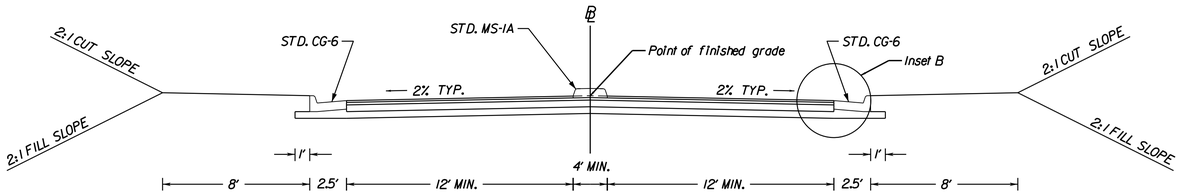
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	15	0015-019-859 P101, C501	2A

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

PUBLIC HEARING PLANS

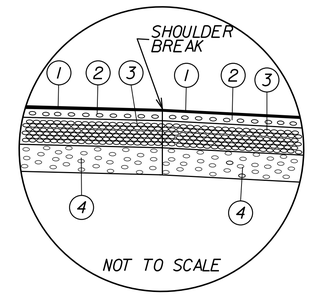
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

ROUTE 15
ROUTE 15 BUSINESS

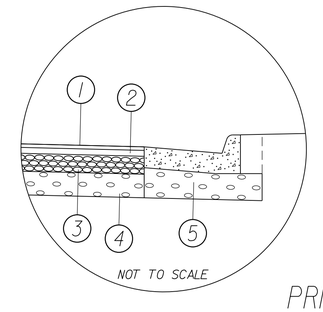


STATION TO STATION	ROUTE
Sta. 104+00.00 to Sta. 105+56.52	ROUTE 15
Sta. 107+26.57 to Sta. 109+25.00	ROUTE 15
Sta. 211+00.00 to Sta. 213+09.69	ROUTE 15 BUSINESS

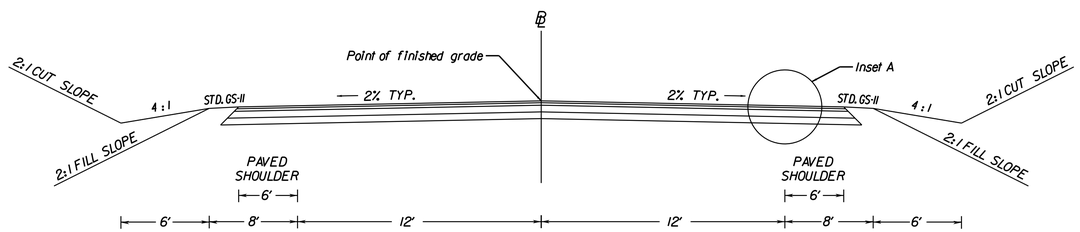
INSET A



INSET B



ROUTE 15
ROUTE 15 BUSINESS



STATION TO STATION	ROUTE
Sta. 109+25.00 to Sta. 113+00.00	ROUTE 15
Sta. 205+00.00 to Sta. 211+00.00	ROUTE 15 BUSINESS

TYPICAL SECTION NOTES:

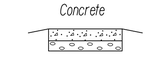
1. ASPHALT CONCRETE SURFACE COURSE TY. SM-9.5D (USE 180 LBS/SY FOR QUANTITY COMPUTATIONS)
2. ASPHALT CONCRETE INTERMEDIATE COURSE TY. IM-19.0D (USE 220 LBS/SY FOR QUANTITY COMPUTATIONS)
3. 6.5" ASPHALT CONCRETE BASE COURSE TY. BM-25.0A (USE 735 LBS/SY FOR QUANTITY COMPUTATIONS)
4. 7" AGGREGATE BASE MATERIAL TYPE I, VA SIZE NO. 21B (USE 147 LBS/CF PLUS 6% MOISTURE CORRECTION QUANTITY COMPUTATIONS)
5. VARIABLE DEPTH (2.5" MIN.) AGGREGATE BASE MATERIAL TYPE I, VA SIZE NO. 21B (USE 147 LBS/CF PLUS 6% MOISTURE CORRECTION QUANTITY COMPUTATIONS)

PRIVATE AND COMMERCIAL ENTRANCES

TYPE I
Crusher Run Aggr.

6" Crusher Run
Aggr. 25 or 26

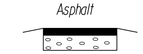
TYPE II
Concrete



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

NOT TO SCALE

TYPE III
Asphalt



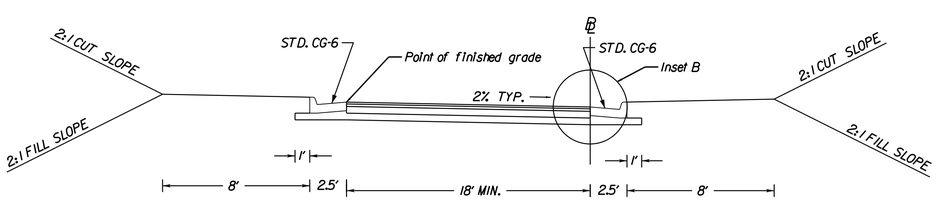
Asphalt Conc. Type
SM-9.5A or SM-9.5D @ 220 Lbs. per S.Y.
4" Aggr. Base Mat'l. Ty. I
No. 21A or 21B

TYPE IV
Asphalt Commercial

Asphalt Conc. Type
SM-9.5A or SM-9.5D @ 165 Lbs. per S.Y.
4" Asphalt Conc. Base Course
BM-25.0
6" Aggr. Base Mat'l. Ty. I
No. 21A or 21B

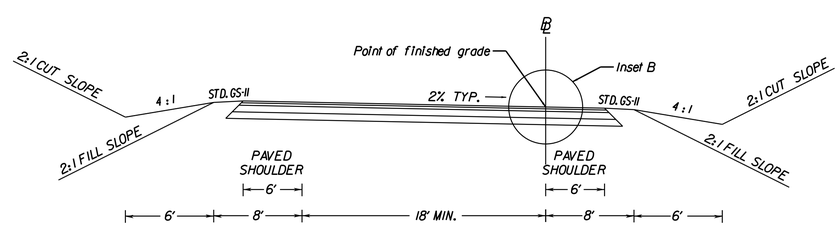
The type of entrance (I, II, III, IV) to be constructed will be determined by the existing condition at the time of construction.

RAMP



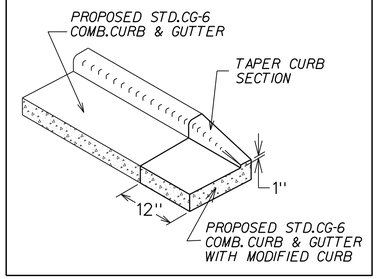
STATION TO STATION	ROUTE
Sta. 214+79.90 to Sta. 216+00.00	RAMP

RAMP



STATION TO STATION	ROUTE
Sta. 216+00.00 to Sta. 217+50.00	RAMP

DETAIL OF MODIFIED STD.CG-6 CURB SECTION



PROJECT	SHEET NO.
0015-019-859	2A

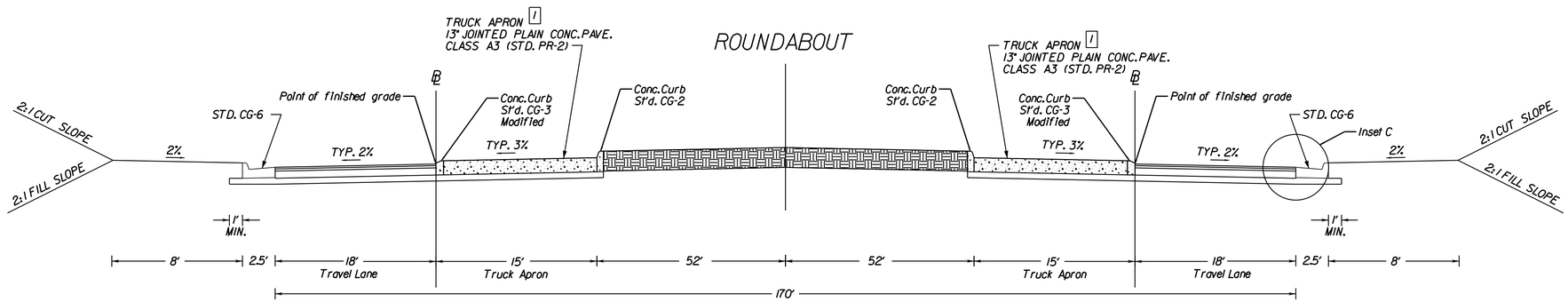
PROJECT MANAGER Anthony Revelle (434) 856-8258
SURVEYED BY, DATE Rayford T. Clark, LS (434) 856-8262
DESIGN BY Daniel J. Brown, PE (434) 856-8265
SUBSURFACE UTILITY BY, DATE Rayford T. Clark, LS (434) 856-8262
LYNCHBURG DISTRICT DESIGN UNIT

TYPICAL SECTIONS

VDOT Lynchburg District Lynchburg, Virginia ROADWAY ENGINEER	VDOT Lynchburg District Lynchburg, Virginia MATERIALS ENGINEER

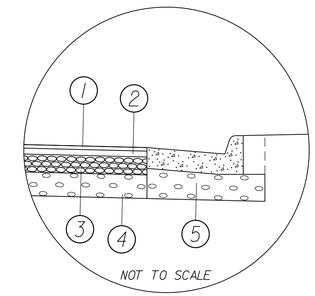
REVISED	STATE	STATE ROUTE	STATE PROJECT	SHEET NO.
	VA.	15	0015-019-859 P101, C501	2B

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



STATION TO STATION
Sta. 300+00.00 to Sta. 303+25.00

INSET C



TYPICAL SECTION NOTES:

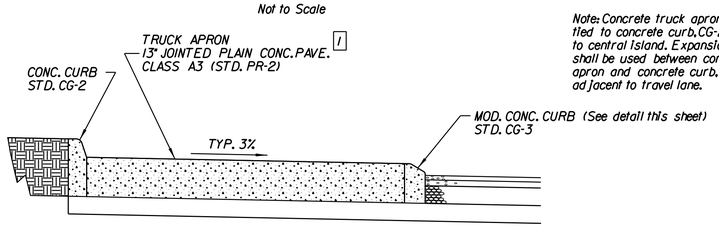
1. ASPHALT CONCRETE SURFACE COURSE TY. SM-9.5D (USE 180 LBS/SY FOR QUANTITY COMPUTATIONS)
2. ASPHALT CONCRETE INTERMEDIATE COURSE TY. IM-19.0D (USE 220 LBS/SY FOR QUANTITY COMPUTATIONS)
3. 6.5" ASPHALT CONCRETE BASE COURSE TY. BM-25.0A (USE 735 LBS/SY FOR QUANTITY COMPUTATIONS)
4. 7" AGGREGATE BASE MATERIAL TYPE I, VA SIZE NO. 21B (USE 147 LBS/CF PLUS 6% MOISTURE CORRECTION QUANTITY COMPUTATIONS)
5. VARIABLE DEPTH (2.5" MIN.) AGGREGATE BASE MATERIAL TYPE I, VA SIZE NO. 21B (USE 147 LBS/CF PLUS 6% MOISTURE CORRECTION QUANTITY COMPUTATIONS)

TRUCK APRON DETAIL

Not to Scale

1 CONC. SHALL BE INEGRALLY COLORED AND TEXTURED

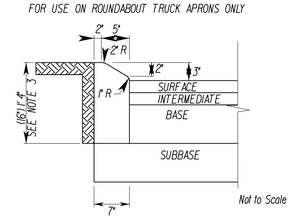
Note: Concrete truck apron shall be tied to concrete curb, CG-2, adjacent to central Island. Expansion joint filler shall be used between concrete truck apron and concrete curb, CG-3 Mod., adjacent to travel lane.



Not to Scale

CG-3 MODIFIED

FOR USE ON ROUNDABOUT TRUCK APRONS ONLY



Not to Scale

NOTES:

1. THIS ITEM MAY BE PRECAST OR CAST IN PLACE.
2. CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.
3. THE DEPTH OF CURB MAY BE REDUCED AS MUCH AS 3" (13" DEPTH) OR INCREASED AS MUCH AS 3" (19" DEPTH) IN ORDER THAT THE BOTTOM OF THE CURB WILL COINCIDE WITH THE TOP OF A COURSE OF THE PAVEMENTS SUBSTRUCTURE. OTHERWISE, THE DEPTH IS TO BE 16" AS SHOWN. NO ADJUSTMENT IN THE PRICE BID IS TO BE MADE FOR A DECREASE OR AN INCREASE IN DEPTH.
4. THE MODIFICATION TO THE STANDARD CG-3 IS TO REDUCE THE EXPOSED HEIGHT OF THE CURB AS SHOWN. MODIFIED CURB SHALL BE PAID FOR AS STANDARD CG-3.

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.

PROJECT	SHEET NO.
0015-019-859	2B