147-76 197-76

INDEX OF SHEETS

CONTRACT NO. 1:

Sheet No. 1	Title Sheet				
Sheet No. 1A	Location & General Layout				
Sheet No. 2 thru 2E	Typical Sections & Summaries				
Sheet No. 2G thru 2L	" "				
Sheet No. 4 thru 4A	Plan & Profile	Station	44+50.71	to "	Station 52+00
Sheet No. 5 thru 5A	Plan & Profile	Station	52+00	to "	60+00
Sheet No. 6 thru 6A	Plan & Profile	Station	60+00	to "	66+83.67
Sheet No. 8(1) thru 8(12)	Spec. Design Bridge Over Rappahannock River				No. 253-24
X-Section Sheet No. 1 thru 13					

CONTRACT NO 2:

Sheet No. 1	Title Sheet				
Sheet No. 1A	Location & General Layout				
Sheet No. 2 thru 2D	Typical Sections & Summaries				
Sheet No. 2F thru 2V	" "				
Sheet No. 3 thru 3A	Plan & Profile	Station	40+00	to "	44+00
Sheet No. 4 thru 4A	Plan & Profile	Station	44+00	to "	52+00
Sheet No. 5 thru 5A	Plan & Profile	Station	52+00	to "	60+00
Sheet No. 6 thru 6A	Plan & Profile	Station	60+00	to "	68+00
Sheet No. 7 thru 7A	Plan & Profile	Station	68+00	to "	13+00
Sheet No. 9(1) thru 9(12)	Spec. Design Bridge Over Rappahannock River				No. 253-24A
X-Section Sheet No. 14 thru 29					

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF HIGHWAYS AND TRANSPORTATION

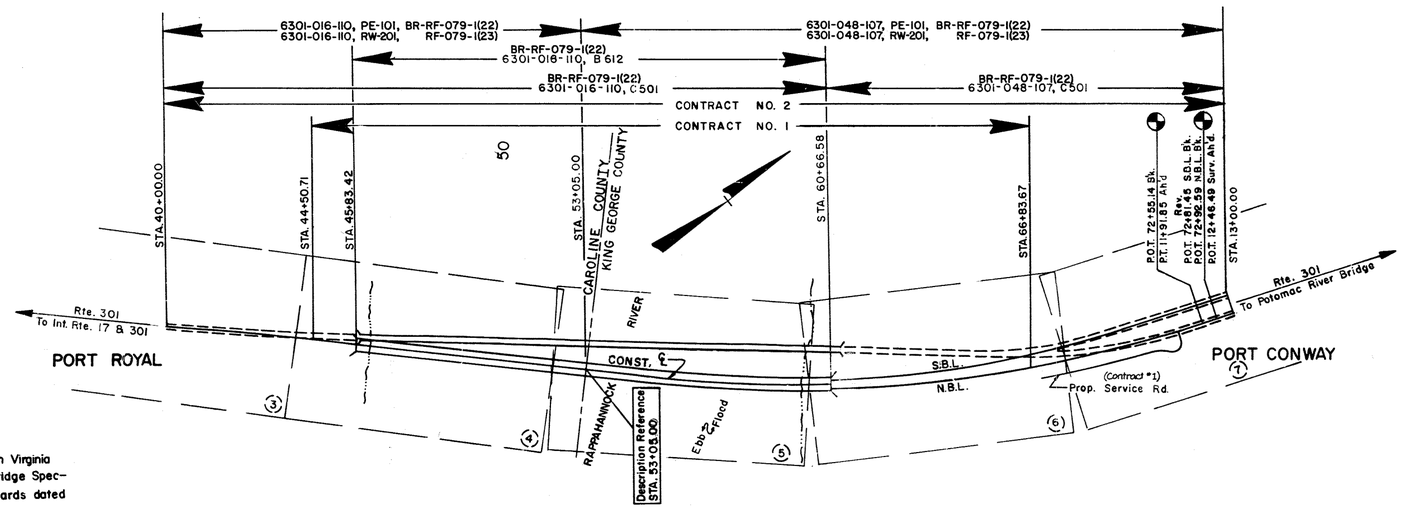
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

CAROLINE & KING GEORGE COUNTIES
BRIDGE AND APPROACHES AT RAPPAHANNOCK RIVER
(PORT ROYAL)

FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.	TOTAL SHEETS
3	VA.	BR-RF-079-1(22) RF-079-1(23)	301	6301-016-110 6301-048-107 See Tabulation Below for Section Numbers	1	-

Rev. 10 27 76 Rev. 9-8-77

DESIGN CLASSIFICATION		
ARTERIAL - DIVIDED - ROLLING		
	Bridge And Approaches At Rappahannock River (Port Royal)	
ADT	1973 5500	
ADT	1994 10800	
DHV	1090	
D	60 %	
T	10 %	
V	60 MPH	



CONTRACT NO. 1
Spec. Design Bridge Rwy. (Superstructure)
Plan No. 253-24
Bridge Plan Sheet No. 8(1) thru 8(12)
34'-10½" Roadway, 5'-3" Median, 34'-10½" Roadway

CONTRACT NO. 2
Spec. Design Bridge Rwy. (Superstructure)
Plan No. 253-24A
Bridge Plan Sheet No. 9(1) thru 9(12)
34'-10½" Roadway, 5'-3" Median, 34'-10½" Roadway

Note: This project is to be constructed in accordance with Virginia Department of Highways and Transportation Road & Bridge Specifications dated July 1, 1974, and Road Design & Standards dated January 1, 1975, and including all subsequent revisions

All curves are to be superelevated, transitioned and widened in accordance with Standard TC-2, except where otherwise noted.

Design features relating to construction or to regulation and control of traffic may be subject to change as deemed necessary by the Department.

CONVENTIONAL SIGNS

STATE LINE	LEVEE OR EMBANKMENT
COUNTY LINE	BRIDGES
CITY, TOWN OR VILLAGE	CULVERTS
RIGHT OF WAY LINE	DROP INLET
FENCE LINE	TROLLEY POLES
UNFENCED PROPERTY LINE	POWER POLES
FENCED PROPERTY LINE	TELEPHONE OR TELEGRAPH POLES
TRAVELED WAY	MARSH
GUARD RAIL	HEDGE
RETAINING WALL	WOODS
RAILROADS	GROUND ELEVATION
BASE OR SURVEY LINE	GRADE ELEVATION
	POLES WITHIN CONSTRUCTION LIMITS

STATE PROJ. NO.		SECTION	FEDERAL AID PROJ. NO.	EQUALITIES	LENGTH INCL. BRIDGES & BOX CULVERTS		LENGTH EXCL. BRIDGES & BOX CULVERTS		TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES		
6301-016-110		PE-101	BR-RF-079-1(22)	NONE	1305.00	0.247	583.42	0.110	Prel. Engr.	From: 0.247 Mi.S. King George - Caroline Co. Line
		RW-201	RF-079-1(23)	NONE	1305.00	0.247	583.42	0.110	R/W	To: King George - Caroline Co. Line
6301-048-107		PE-101	BR-RF-079-1(22)	NONE	2041.10	0.387	1297.52	0.246	Prel. Engr.	From: King George - Caroline Co. Line
		RW-201	RF-079-1(23)	NONE	2041.10	0.387	1297.52	0.246	R/W	To: 0.387 Mi.N. King George - Caroline Co. Line
CONTRACT I	6301-016-110	C-501	BR-RF-079-1(22)	NONE	1615.87	0.306	132.71	0.025	Constr.	From: 0.162 Mi.S. King George - Caroline Co. Line To: 0.144 Mi.N. King George - Caroline Co. Line
		B-612	BR-RF-079-1(22)	NONE	1483.16	0.281			Bridge	Bridge Over Rappahannock River - Substructure
	6301-048-107	C-501	BR-RF-079-1(22)	NONE			617.09	0.117	Constr.	From: 0.144 Mi.N. King George - Caroline Co. Line To: 0.261 Mi.N. King George - Caroline Co. Line
CONTRACT II	6301-016-110	C-501	BR-RF-079-1(22)	NONE	2066.58	0.391	583.42	0.110	Constr.	From: 0.247 Mi.S. King George - Caroline Co. Line To: 0.144 Mi.N. King George - Caroline Co. Line
		B-612	BR-RF-079-1(22)	NONE	1483.16				Bridge	Bridge Over Rappahannock River - Superstructure
	6301-048-107	C-501	BR-RF-079-1(23)	- 6046.10	1279.52	0.242	1279.52	0.242	Constr.	From: 0.144 Mi.N. King George - Caroline Co. Line To: 0.387 Mi.N. King George - Caroline Co. Line

PLANS REVISED					
PROJECT	SHEET NO.	DATE	PROJECT	SHEET NO.	DATE
6301-016-110	4	5-9-76	6301-016-110	Rev. 1, 4 And 6 Added 2V	4-8-77
"	5,6	4-9-76	6301-048-107		
"	4	4-19-76		CONTRACT 2	
"	2C	5-20-76			
"	2C & 4	6-4-76	6301-016-110	3A & 9A	4-4-79
"	1, 2D, 4, 9A	T 20 76	6301-048-107		11-9-81
"	4	9-16-76			
"	1, 1A, 2C, 2E, 2F, 3A, 4, 4A, 5, 5A, 6, 6A, 7, 7A, 8, 9	10-27-76			
"	4 & Added 2V	12-7-76			
"	3 & 4	1-4-77			
"	4	5-3-77			

SCALE 0' 200' 400'

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

10/20/75 W. T. Bates Jr. LOCATION AND DESIGN ENGINEER
10/20/75 C. P. Shaw DIRECTOR OF ENGINEERING
10/20/75 H. E. Simmons DIRECTOR OF PROGRAM MANAGEMENT
10/20/75 T. D. Stevenson DEPUTY COMMISSIONER AND CHIEF ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION

10/21/75 Douglas B. Fugate COMMISSIONER

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

4-28-76 W. T. Bates Jr. LOCATION AND DESIGN ENGINEER
4-28-76 C. P. Shaw DIRECTOR OF ENGINEERING
4-28-76 H. E. Simmons DIRECTOR OF PROGRAM MANAGEMENT

APPROVED FOR CONSTRUCTION

4-28-76 T. D. Stevenson DEPUTY COMMISSIONER AND CHIEF ENGINEER

APPROVED

DATE — DIVISION ENGINEER FEDERAL HIGHWAY ADMINISTRATION U.S. DEPARTMENT OF TRANSPORTATION

FREDERICKSBURG DISTRICT DESIGN UNIT

SUPERVISED BY R. R. BURRELL, JR.
DESIGNED BY J. W. ROBERTS

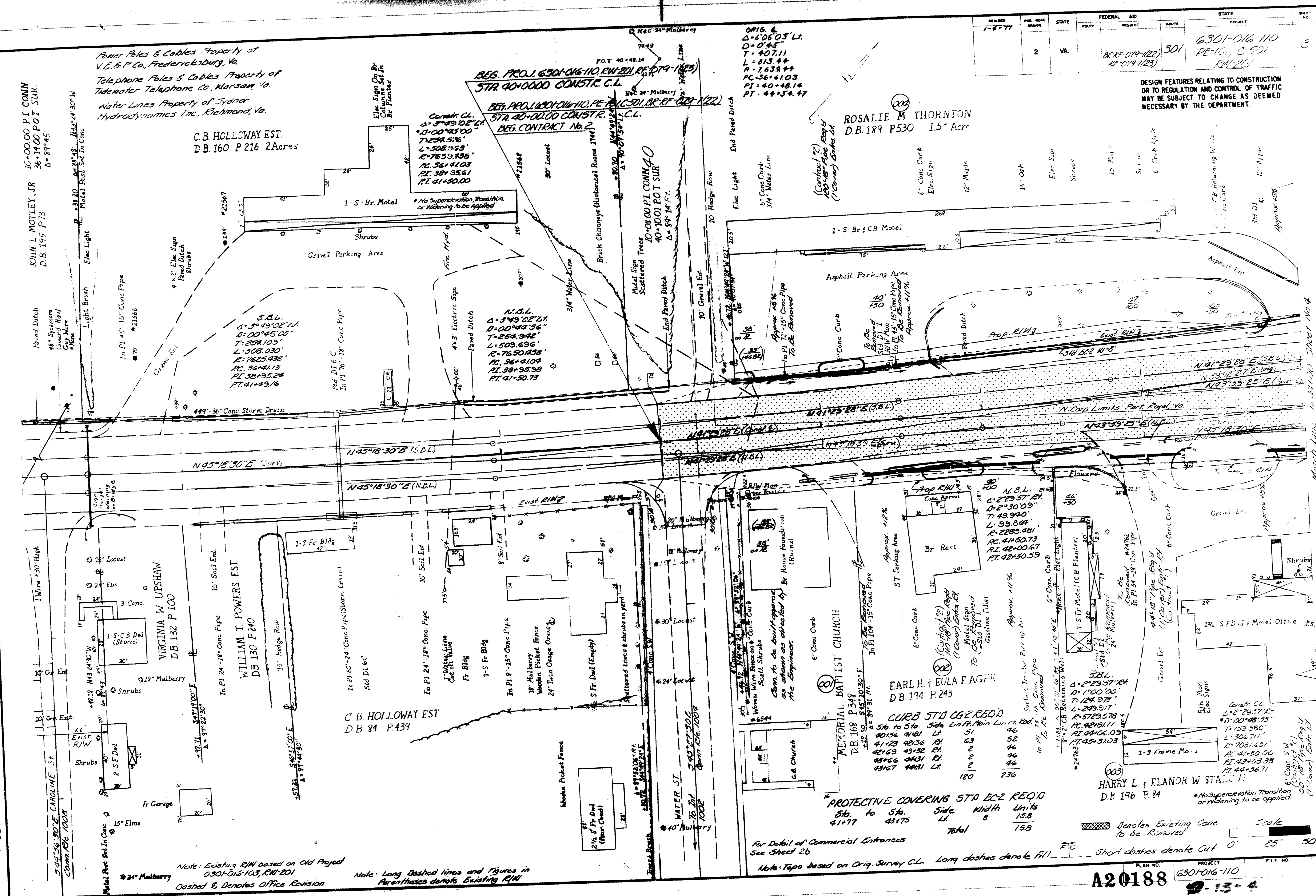
REVISED BY

PRINTS SENT TO	DATE
R/W DIV. ADVANCE PLANS	
R/W DIV. COMPLETED PLANS	
DIST. ENGR. ADVANCE PLANS FOR UTILITIES	5-3-76
DIST. ENGR. COMPLETED PLANS	5-11-76
RES. ENGR. ADVANCE PLANS	6-2-76
RES. ENGR. COMPLETED PLANS	5-11-76
CONST. ENGR.	5-11-76

TOTAL NET LENGTH = 0.634 MI. LENGTH BASED ON PROPOSED CONST. & N.B.L.

A20188 PROJECT 13 4 SHEET NO

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600



REVISED 1-4-77
PUB. ROAD REGION 2
STATE VA.
FEDERAL AID PROJECT BR-RF-079-1(22) RF-079-1(23)
STATE ROUTE 301
STATE PROJECT 6301-016-110 PE-101, C-501 RW-201
SHEET NO. 3
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.
Power Poles & Cables Property of V.E.& P. Co., Fredericksburg, Va.
Telephone Poles & Cables Property of Tidewater Telephone Co., Warsaw, Va.
Water Lines Property of Sydnor Hydrodynamics Inc., Richmond, Va.
PLAN
Note Book
No.
Surveyed J. A. Heasall 6-30-73
Plotted J. L. Warren 7-11-73
Alignment Checked J. J. Street 2-75
Rt. Of Way Checked H. R. Donald 5-75
BEG. PROJ. 6301-016-110, RW-201, RF-079-1(23) STA. 40+00.00 CONSTR. C.L.
BEG. PROJ. 6301-016-110, PE-101, C501, BR-RF-079-1(22) STA. 40+00.00 CONSTR. C.L.
BEG. CONTRACT No. 2
ORIG. ℄ Δ=6°06'03" Lt. D=0°45' T=407.11 L=813.44 R=7,639.44 PC=36+41.03 PI=40+48.14 PT=44+54.47
Constr. C.L. Δ=3°49'02" Lt. *D=00°45'00" T=254.516' L=508.963' R=7639.438' PC. 36+41.03 PI. 38+95.61 PT. 41+50.00
S.B.L. Δ=3°49'02" Lt. D=00°45'05" T=254.109' L=508.030' R=7625.438' PC. 36+41.13 PI 38+95.24 PT. 41+49.16
N.B.L. Δ=3°49'02" Lt. D=00°44'56" T=254.942' L=509.696' R=7650.438' PC. 36+41.04 PI. 38+95.98 PT. 41+50.73
N.B.L. Δ=2°29'57" Rt. D=2°30'09" T=49.940' L=99.864' R=2289.481' PC. 41+50.73 PI. 42+00.67 PT. 42+50.59
S.B.L. Δ=2°29'57" Rt. D=1°00'00" T=124.976' L=249.917' R=5729.578 PC. 42+81.11 PI. 44+06.09 PT. 45+31.03
Constr. C.L. Δ=2°29'57" Rt. *D=00°48'53" T=153.380' L=306.711' R=7031.651' PC 41+50.00 PI. 43+03.38 PT. 44+56.71
10+00.00 P.I. CONN. 36+14.00 P.O.T. SUR Δ=89°45'
10+08.00 P.I. CONN. 40+10.01 P.O.T. SUR Δ=89°14' Rt.
P.O.T. 40+48.14
JOHN L. MOTLEY, JR. D.B. 195 P. 73
C.B. HOLLOWAY EST. D.B. 160 P. 216 2 Acres
ROSALIE M. THORNTON D.B. 189 P. 530 1.5+ Acres (004)
VIRGINIA W. UPSHAW D.B. 132 P. 100
WILLIAM T. POWERS EST D.B. 130 P. 240
C.B. HOLLOWAY EST D.B. 84 P. 439
MEMORIAL BAPTIST CHURCH D.B. 168 P. 348 (001)
EARL H. & EULA F. AGEE D.B. 194 P. 243 (002)
HARRY L. & ELANOR W. STALC?? D.B. 196 P. 84 (003)
1-S-Br. Motel
1-S Br & CB Motel
Asphalt Parking Area
Gravel Parking Area
Br. Rest
1-S Fr. Motel (CB Planter)
1½-S F Dwl & Motel Office
1-S Frame Motel
C.B. Church
Br. House Foundation (Ruins)
1-S-C.B. Dwl (Stucco)
2-S F Dwl
Fr. Garage
1-S Fr. Bldg
2½ S Fr. Dwl (Poor Cond.)
S. Fr. Dwl (Empty)
N45°18'30"E (S.B.L.)
N45°18'30"E (Surv)
N45°18'30"E (N.B.L.)
N41°29'28"E (S.B.L.)
N41°29'28"E (Const. ℄)
N41°29'28"E (N.B.L.)
N39°12'27"E (Orig.)
N43°59'25"E (Const. ℄)
N43°59'25"E (N.B.L.)
N. Corp. Limits Port Royal, Va.
Match Line Sta. 44+00 Sheet No. 4
449'-36" Conc. Storm Drain
Brick Chimneys (Historical Ruins 1744)
WATER ST. S45°27'30"E To Int. 1002
S44°56'30"E CAROLINE ST. Com. Rte. 1008
Std EC-2 W=8'
Prop. R/W
Exist. R/W
CURB STD CG-2 REQ'D
Sta. to Sta. | Side | Lin. Ft. Plain | Lin. Ft. Rad.
40+56 41+81 | Lt. | 51 | 46
41+23 42+36 | Rt. | 63 | 52
42+69 43+32 | Rt. | 2 | 46
43+66 44+31 | Rt. | 2 | 46
43+67 44+31 | Lt. | 2 | 46
| | 120 | 236
PROTECTIVE COVERING STD EC-2 REQ'D
Sta. to Sta. 41+77 43+75 Side Lt. Width 8 Units 158 Total 158
* No Superelevation, Transition, or Widening, to be applied.
Denotes Existing Conc to be Removed
Scale 0' 25' 50'
Note: Existing R/W based on Old Project 0301-016-103, RW-201
Dashed ℄ Denotes Office Revision
Note: Long Dashed lines and Figures in Parentheses denote Existing R/W
For Detail of Commercial Entrances See Sheet 2b
Note: Topo based on Orig. Survey C.L. Long dashes denote Fill F C Short dashes denote Cut
FREDERICKSBURG DISTRICT DESIGN UNIT
PLAN NO. A20188
PROJECT 6301-016-110
SHEET NO. 3

A20188026

REVISED	PUB. ROAD DESIGN	STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO
3-9-76							
4-19-76							
6-8-76							
9-20-76	2	VA.		BR RF-079-1(22)	301	6301-016-110	4
9-16-76				RF-079-1(23)		PE-101, C-501, B-612	
10-27-76						RW-201	
1-27-77							
8-3-77							
9-8-77							

PLAN

	By	Date
Surveyed	J.D. Hensdill	6-30-73
Plotted	D.E. Lacy	2-15-74
Alignment checked	D.E. Lacy	2-15-74
All Col Nos. checked	H.E. Donald	5-75

Note A: Nos. 2211

Power Poles & Cables Property of V.E. & F. Co, Fredericksburg, Va.

Telephone Poles & Cables Property of Tidewater Telephone Co, Warsaw, Va.

CONTRACT NO. 1
Special Design Bridge Required (Substructure)
Plan No. 233-24
B-612 Plan Sheet No. 3(1) thru 3(29)
34'-10⅛" Roadway, 3'9" Median, 34'-10⅛" Roadway

CONTRACT NO. 2
Special Design Bridge Required (Superstructure)
Plan No. 233-24 A
Bridge Plan Sheet No. 3(1) thru 3(9)
34'-10⅛" Roadway, 3'-9" Median, 34'-10⅛" Roadway

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

★ NOTE: STANDARD 80' LONG APPROCH TRANSITION SHALL NOT APPLY. MEDIAN BARRIER SHALL BE FULL HEIGHT.

B-612 BR RF-079-1(22)
BEG. PROJ. 6301-016-110
STA. 45+83.42

BEG CONTRACT NO. 1
STA. 44+50.71

(Contract #2) Existing Guard Rail, Det. Sta. 45+90 and Sta. 43+35 Lt & Rt to be Removed

(Contract #2) TO BE RESET Historical Marker "HUNT"

3'x2' Elec Sign

PT. 45+31.03 BL
POT. 45+31.17 AHD

Steel Guard Rail Set on Conc. Posts

(Contract #2) 5'2 DA-3 Equ'd 36"x54" RCP Equ'd 30"x54" RCP Equ'd 15"x18" CSP Equ'd

Baled Straw Check Dam Req'd (Contract #2)

Special Design Impact Attenuator See Sheet 2V for Details

ROSALIE M. THORNTON
D.B. 189 Pg. 530 1.5± Acs.

Baled Straw Silt Barrier (Contract #1)

IN PLACE UNDERGROUND POWER CABLE
4100 VOLTS PHASE TO PHASE, 2400 VOLTS PHASE TO GROUND, 3" CABLE INCASED IN 6" METAL CONDUIT 2.6" DEEP ± 8-15-73
POWER CABLE CONTINUES ACROSS RIVER

JAMES MADISON MEMORIAL BRIDGE

N 39°12'27"E (Orig)

Steel Sheet Piling

N 43°59'25"E (Constr. ℄)

N 43°59'25"E (S.B.L.)

Ebb Flood

N 43°18'30"E Survey

Match Line Sta. 47+00 Sheet No. 3

Match Line Sta. 32+00 Sheet No. 5

Remains of old Wharf
(005) C.A. HOLLOWAY EST.
(Not for fee Right of Way)

PG-2A TYPE B (CONTRACT #1)
Constr. ℄
Δ = 2°29'57" Rt.
* 0-00°48'53"
T = 153.380'
L = 306.711'
R = 7031.651'
P.C. 2+50.00
P.I. 43+03.38
P.T. 44+56.71

ORIGINAL PROP. R/W LINE

REV. PROPOSED R/W LINE (8-3-77)

53'x3 WOOD PIER

(Contract #1) Baled Straw Check Dam Req'd

Remains of Old Wharf

Paved Ditch

* No Superelevation Transition, or Widening To be Applied

(Contract #2) Drive/Stand Check Dam Req'd

POT 45+90.71 AHD
100' Rt. 28°-18'-30" E to Edge of Road

To be Removed

S.B.L.
Δ = 2°29'57" Rt.
D = 1°00'
T = 129.978'
L = 249.917'
R = 5729.578'

See Sheet N-3 for Description of Pipe

Guy Wire

USCGS DM 1448.1(11)
2± Tons of Wrappage
2 Wharf Cribs In Service

(Contract #2) 5'2 DA-3 Equ'd 36"x54" RCP Equ'd 30"x54" RCP Equ'd 15"x18" CSP Equ'd

(003) HARRY L. & ELANOR W. STALCUP
D.B. 196 Pg. 84

Trees & Light Brush

Long dashes denote fill ⊥ Short dashes denote Cut

FREDERICKSBURG DISTRICT DESIGN UNIT

(Contract #1)
* STEEL SHEET PILING REQ'D.

Sta.	to Sta.	Height	Sq. Ft.
44+50.71	46+33	Var.	4415
		Total	4415

*STEEL SHEET PILING SHALL BE DRIVEN TO AN APPROXIMATE DEPTH OF 10 FEET BELOW SURVEY & PROFILE WITH THE TOP OF THE SHEET PILING APPROXIMATELY 3 FEET ABOVE FINISHED GRADE.

(Contract #2)
STEEL BEAM GUARDRAIL
ST'D GR-2A, 2B, 2C REQ'D

Sta.	to Sta.	Side	Lin. Ft. Plain	Lin. Ft. Rail	Remarks
44+13	45+83.5	Lt.	158.0	25.0	11-3'L+100
44+13	45+83.5	Rt.	158.0	25.0	11-3'L+100
		Totals	316.0	50.0	

(Contract #1)
PAVED GUTTER ST'D PG-2A REQ'D

Sta.	to Sta.	Length Ft.	Sq. Yds. PG-2A	Remarks
44+25	46+20	197.0	80.18	Type B Ft.
		Total	80.18	

(Contract #2)
DRAINAGE APRONS ST'D DA-3 & TYPE I CHUTES REQ'D.

Sta.	Side	PG-4 Length Ft.	C.I.-A-3 Conc. Sq. Yds.	Paved Flume Std PG-4 Sq. Yds.	Energy Dissipator Std EG-1 Each
45+70	Lt.	30	34.04	12.75	1
45+90	Rt.	30	34.04	12.75	1
	Totals		68.08	25.50	2

NOTE: DISTANCES AND PLUSSES SHOWN INSIDE SQUARES DENOTES REVISED PROPOSED R/W (8-3-77)

Note: Existing R/W based on Old Project 0301-016-103, RW-201

Dashed & Denotes Office Revision

Note: Long dashed lines and Figures in Parentheses denote Existing R/W

Note: Type based on Orig. Survey C.L.

Denotes Existing Concrete to be Removed

Scale 0' 25' 50'

PLAN NO.	PROJECT	FILE NO.	SHEET NO
A		18	4

A20188

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310

A20188

A20188 030

FREDERICKSBURG DISTRICT DESIGN UNIT

North Line Sta. 4400 Sheet No 4

CAROLINE COUNTY
KING GEORGE COUNTY

N 68° 18' 30" E (Surv)

N 39° 35' 25" E (Constr. ℄)

Flood

Lake

Centr. C.L. Pt. 351+08.35

JAMES MADISON MEMORIAL BRIDGE

N 39° 42' 27" E (Orig)

Existing Bridge to be Removed by Contract

35

Th. # 1-260 Swing Span: 6-125 ft 180 ft Truss Spans: 280', 125.5 Steel Beam Spans: 28 2 Lane Roadway 2 Conc. Abuts. 4 Conc. Piers 1 Pivot Pier

BEG. PROJ. (630) CARO-607 REF-101 SKREF-079 (122) STA. 53+05

BEG. PROJ. (630) CARO-607, KW-201, REF-079 (123) STA 53+05

REF. TO: (630) CARO-607-101 SKREF-079 (122) STA. 53+05

REF. TO: (630) CARO-607, KW-201, REF-079 (123) STA. 53+05

RAPPAHANNOCK RIVER

100' Clear Opening

Swing Span and Fender System

150' Swing Span

20'

N 39° 35' 25" E (Constr. ℄)

N 39° 42' 27" E (Orig)

N 68° 18' 30" E (Surv)

Centr. C.L. Pt. 351+08.35

Pile Cluster

Pile Cluster

Pile Cluster

Long Cedar Creek Fill — Short Cedar Creek Cut

Note: Type based on Orig. Survey Cl.

Leased to Dominion Virginia Power Co. and Continental Telephone Co. of Va.

25' WIDTH STANDARD UTILITY EASEMENT AS REQD. FOR VIRGINIA ELECTRIC & POWER CO. AND CONTINENTAL TELEPHONE CO. OF VA.

COLUMBIA SMITH WALKER (002)

POC 59+75.00 Surv.
PT 10+00.00 Trav.
Δ= 78°00'00" Rt (TTC)

Scale 0 30

Bolted Thru S/H Bonnets

(001)

E. ENSLEY HOOKER & DE WEST HOOKER (000)

POC 59+80.00 Surv.
PT 10+00.00 Trav.
Δ=75°22'00.4" Lt (TTC)

Survey
Δ=25°40'29" Lt.
D=7°00'
L=402.08'
T=204.08'
E=20.89'
Lat. Dist=363.92'
Dep. Dist=169.05
PT 53+31.69
PT 57+72.68

Centr. C.L.
Δ=37°09'29" Lt.
D=7°30'
L=396.79'
T=206.79'
E=20.89'
Lat. Dist=319.15'
Dep. Dist=238.75'
PT 53+13.79

Pile Cluster

N 39° 42' 27" E (Orig)

N 39° 35' 25" E (Constr. ℄)

N 68° 18' 30" E (Surv)

Match Line Sta. 60+00 Sheet No 6

4-9-76	2	VA			AP-F-079-1(122)	301	5
4-23-76					AP-F-079-1(123)		
					AP-201-1(123)		

STRUCTURES RELATING TO CONSTRUCTION OF THE RAPPAHANNOCK RIVER CROSSING ARE SUBJECT TO CHANGE AS MAY BE NECESSARY OR THE DEPARTMENT.

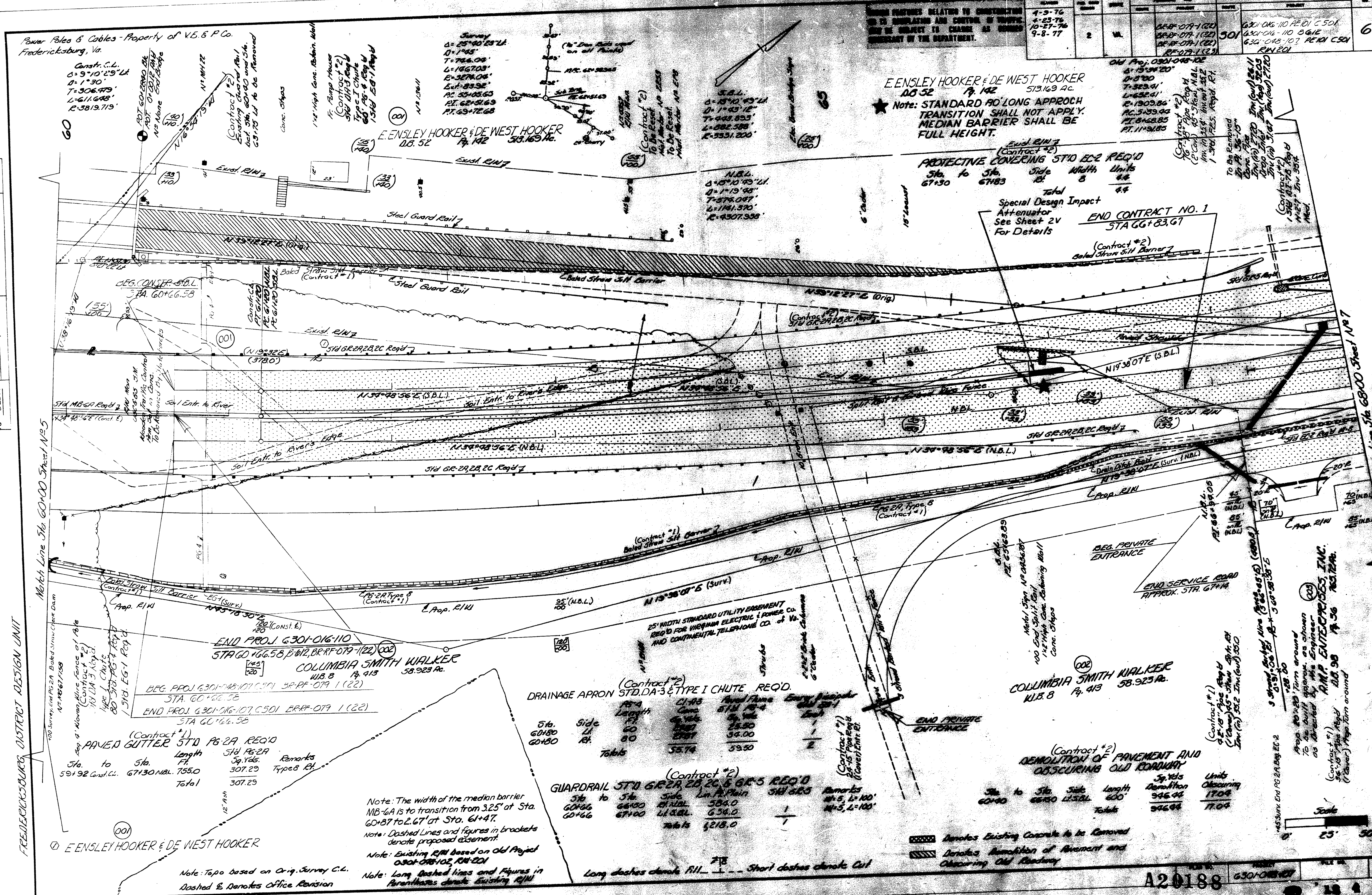
PLAN	Surveyed	By J.D. Hazelhill
	Plotted	L&L Sta. & Offs. 2-75
Note: Book	Alignment Checked	L&L Street 2-75
No. 32271	Rt. of Way Checked	H.R. Donald 5-75

Revised E. Denukes Office Revision

Scale 1" = 20'

20 0

53+05



PLAN		By	
Note Book No 5227	Surveyed	J.D. Hensdill	6-30-75
	Plotted	J.W. Roberts	2-75
	Alignment Checked	J.J. Street	2-75
	Rt. of Way Checked	H.R. Donald	5-75

Revised	Fed. Road Region	State	Federal Aid Project	State Route	State Project	Sheet No.
4-9-76 4-23-76 10-27-76 9-8-77	2	VA.	BR-RF-079-1(22) BR-RF-079-1(22) BR-RF-079-1(22) RF-079-1(23)	301	6301-016-110 PE101 C501 6301-016-110 B612 6301-048-107 PE101 C501 RW201	6

(Contract #2)
PROTECTIVE COVERING ST'D EC-2 REQ'D

Sta.	to Sta.	Side	Width	Units
67+30	67+83	Rt.	8	4.4
		Total		4.4

(Contract #1)
PAVED GUTTER ST'D PG-2A REQ'D

Sta.	to Sta.	Length Ft.	Std PG-2A Sq. Yds.	Remarks
59+92 Const. C.L.	67+30 N.B.L.	755.0	307.29	Type 8 Rt.
		Total	307.29	

(Contract #2)
DRAINAGE APRON STD. DA-3 & TYPE I CHUTE REQ'D.

Sta.	Side	PG-4 Length Ft.	Cl. A3 Conc. Sq. Yds.	Paved Flume Std PG-4 Sq. Yds.	Energy Dissipator Std EG-1 Each
60+80	Lt.	60	[illegible]	25.50	1
60+80	Rt.	80	[illegible]	34.00	1
Totals			55.74	59.50	2

(Contract #2)
GUARDRAIL ST'D GR-2A, 2B, 2C & GR-5 REQ'D

Sta.	to Sta.	Side	Lin. Ft. Plain	Std GR-5	Remarks
60+66	66+50	Rt. N.B.L.	584.0		N=5, L=100'
60+66	67+00	Lt. S.B.L.	634.0	1	N=5, L=100'
Totals			1218.0	1	

(Contract #2)
DEMOLITION OF PAVEMENT AND OBSCURING OLD ROADWAY

Sta.	to Sta.	Side	Length	Sq. Yds Demolition	Units Obscuring
60+40	66+50	Lt. S.B.L.	600'	946.44	17.04
		Totals		946.44	17.04

A20188 Project 6301-048-107 Sheet No. 6(2)

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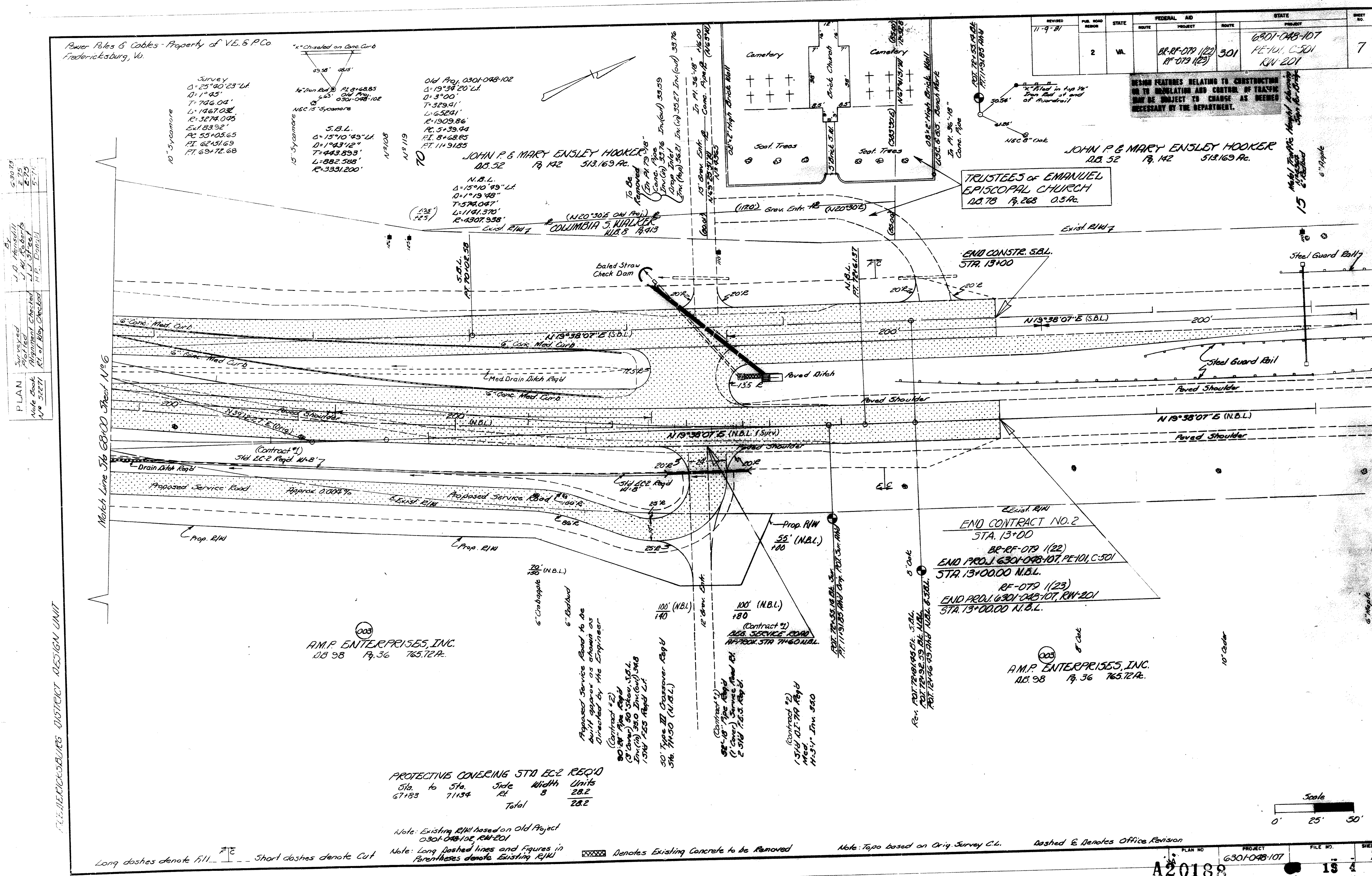

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