INDEX OF SHEETS
SEE SHEET 1B

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

COUNTY OF ALBEMARLE
FROM: 1.12 km N. of ROUTE 29/250 INTERCHANGE
TO: 0.8 km N. of RIVANNA RIVER

PROJ. 6029 - 002 - F22, PE-101
STP-029-7 - 002 - F22, PE-101
RUVA - 002 - 001, PE-101

FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.	TOTAL SHEETS
3	VA.	NH - 037 - 2 (130)	29	6029 - 002 - F22 RUVA - 002 - 001 See Tabulation Below for Section Numbers	1	

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA	
RURAL PRINCIPAL ARTERIAL-DIVIDED ROLLING-100 KM/H MINIMUM DESIGN SPEED	
	Fr: 1.12 km North of Route 29/250 Bypass Interchange To: 0.8 km North of the North Fork of the Rivanna River
ADT	24,400 vpd (Design Year 2022)
ADT	
DHV	2,640 vph
D (%)	35% - 45%
T (%)	7%
V (KM/H)	100 km/hr

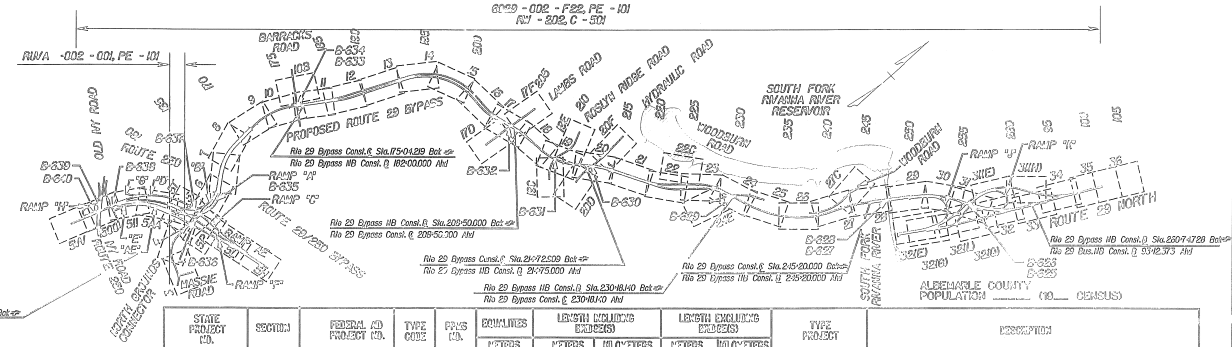
REVISED

ONLY THE COMPLETE PLAN ASSEMBLY AS AWARDED, INCLUDING ALL SUBSEQUENT REVISIONS, WILL BE THE OFFICIAL CONSTRUCTION PLANS. ANY COMBINATIONS OF LAYERED SHEETS, IF AVAILABLE WILL NOT BE CONSIDERED PART OF THE OFFICIAL ASSEMBLY.

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 ROAD AND BRIDGE SPECIFICATIONS DATED 1994, ROAD AND BRIDGE STANDARDS DATED DEC. 1994, WORK AREA PROTECTION MANUAL DATED JANUARY 1996 AND AS AMENDED BY CONTRACT PROVISIONS AND THESE PLANS.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED AND WIDENED IN ACCORDANCE WITH STANDARD TC-5R(M) EXCEPT WHERE OTHERWISE NOTED.



SCALE
0 400 800
METRIC

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	PRKS NO.	COUNTIES METERS	LENGTH INCLUDING BRIDGES METERS	LENGTH INCLUDING BRIDGES KILOMETERS	LENGTH EXCLUDING BRIDGES METERS	LENGTH EXCLUDING BRIDGES KILOMETERS	TYPE PROJECT	DESCRIPTION
RUVA -002-001	PE 101			16160		706.306	0.71			PRELIMINARY ENG.	
6029-002-001	PE 101			16160	697.97	9,490.441	9.49			PRELIMINARY ENG.	
	RW 202			16160	697.97	9,490.441	9.49			RIGHT OF WAY	
	C 501			16160	697.97	9,490.441	9.49			CONSTRUCTION	
	B-625					115.0	0.115			BRIDGE	NB RTE. 29 OVER SB BUS. RTE 29 & RAMP K
	B-626					115.0	0.115			BRIDGE	SB RTE. 29 OVER SB BUS. RTE 29 & RAMP K
	B-627					315.0	0.315			BRIDGE	NB RTE. 29 OVER RIVANNA RIVER
	B-628					315.0	0.315			BRIDGE	SB RTE. 29 OVER RIVANNA RIVER
	B-629					117.0	0.117			BRIDGE	WOODBURN ROAD OVER RTE. 29
	B-630					92.0	0.092			BRIDGE	HYDRAULIC ROAD OVER RTE. 29
	B-631					66.0	0.066			BRIDGE	ROSLYN RIDGE ROAD OVER RTE. 29
	B-632					74.0	0.074			BRIDGE	LAMBS ROAD OVER RTE. 29
	B-633					67.0	0.067			BRIDGE	NB RTE. 29 OVER BARRACKS ROAD
	B-634					67.0	0.067			BRIDGE	SB RTE. 29 OVER BARRACKS ROAD
	B-635					385.0	0.385			BRIDGE	NB RTE. 29 FLYOVER RAMP OVER 29 AND 250 (RAMP A)
	B-636					67.2	0.067			BRIDGE	RTE 29 OVER RTE 250
	B-637					73.0	0.073			BRIDGE	RAMP D OVER RAMP B
	B-638					48.0	0.048			BRIDGE	OLD IVY ROAD OVER RTE 29/250
	B-639					52.0	0.052			BRIDGE	CSX OVER RTE 29/250
	B-640					52.0	0.052			BRIDGE	IVY ROAD OVER RTE 29/250

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

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

7-25-97 DATE — DIVISION ADMIN. PROGRAMMING & SCHEDULING
7-25-97 DATE — STATE LOCATION AND DESIGN ENGINEER
7/25/97 DATE — ASSISTANT COMMISSIONER FOR FINANCE
7-28-97 DATE — CHIEF ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION

7/25/97 DATE — COMMISSIONER

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DATE — SECONDARY/URBAN OR BLANK
DATE — STATE LOCATION AND DESIGN ENGINEER
DATE — ASSISTANT COMMISSIONER FOR FINANCE

APPROVED FOR CONSTRUCTION

DATE — CHIEF ENGINEER

APPROVED

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

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SURVEYED BY ...OUSE, ...RINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 785-2566
DESIGNED BY ...PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR G:\24615\rw\new\16160001.dgn
REVISED BY

PRINTS SENT TO		NO.	DATE
R/W DIV.	ADVANCE PLANS COMPLETED PLANS		
DIST ENGR	ADVANCE PLANS COMPLETED PLANS		
RES. ENGR	ADVANCE PLANS COMPLETED PLANS		
CONSTR. ENGR.			

07/23/97 18:51:55 CODE NO 6010

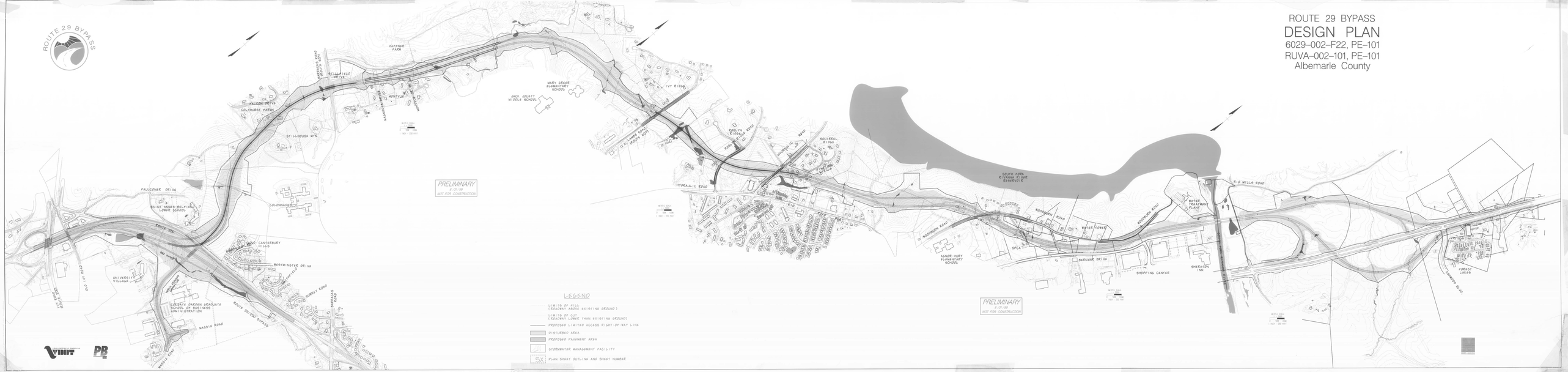
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		1

RUVA - 002 - 101

ROUTE 29 BYPASS

DESIGN PLAN

6029-002-F22, PE-101
RUVA-002-101, PE-101
Albemarle County



ROUTE 29 BYPASS

ROUTE 29 BYPASS
DESIGN PLAN
6029-002-F22, PE-101
RUVA-002-101, PE-101
Albemarle County

INDEX OF SHEETS
SEE SHEET 1B

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

COUNTY OF ALBEMARLE
FROM: 1.12 km N. of ROUTE 29/250 INTERCHANGE
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PROJ. 6029 - 002 - F22, PE-101
STP-029-7 - 002 - F22, PE-101
RUVA - 002 - 001, PE-101

FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.	TOTAL SHEETS
3	VA.	MH - 037 - 2 [130]	29	6029 - 002 - F22 RUVA - 002 - 001 See Tabulation Below for Section Numbers	1	

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RURAL PRINCIPAL ARTERIAL-DIVIDED ROLLING-100 KM/H MINIMUM DESIGN SPEED	
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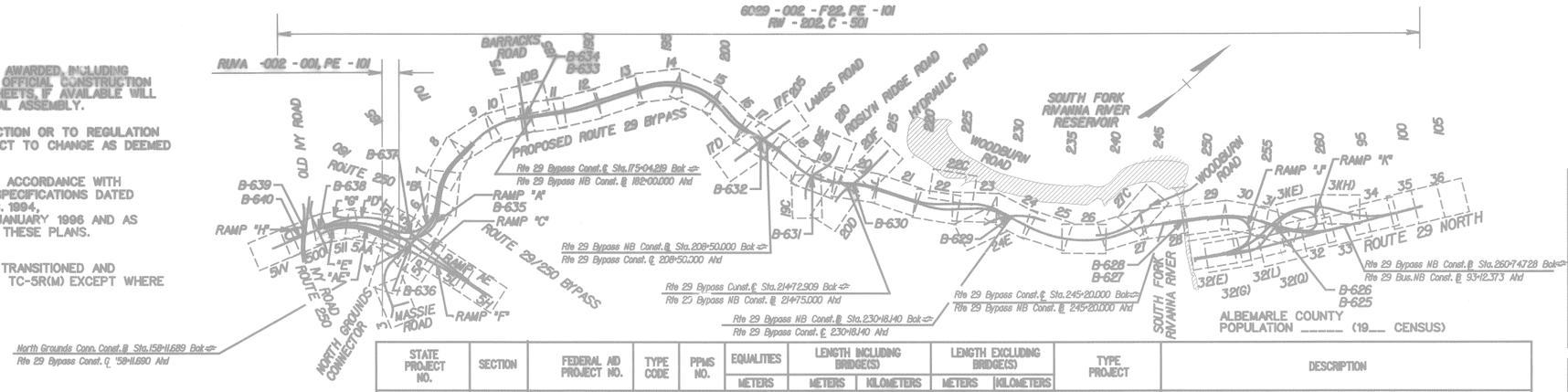

SCALE
0 400 800
METRIC

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	PPMS NO.	EQUALITIES METERS	LENGTH INCLUDING BRIDGE(S) METERS	LENGTH INCLUDING BRIDGE(S) KILOMETERS	LENGTH EXCLUDING BRIDGE(S) METERS	LENGTH EXCLUDING BRIDGE(S) KILOMETERS	TYPE PROJECT	DESCRIPTION
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	B-627					315.0	0.315			BRIDGE	NB RTE. 29 OVER RIVANNA RIVER
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	B-629					117.0	0.117			BRIDGE	WOODBURN ROAD OVER RTE. 29
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POWER POLES
TELEPHONE OR TELEGRAPH POLES
TELEPHONE OR TELEGRAPH LINES
HEDGE
TREES
HEAVY WOODS
GROUND ELEVATION
GRADE ELEVATION

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
7-25-97 DATE	Robert O. Carroll — DIVISION ADMIN. PROGRAMMING & SCHEDULING
7-25-97 DATE	STATE LOCATION AND DESIGN ENGINEER
7/25/97 DATE	James W. Atkinson — ASSISTANT COMMISSIONER FOR FINANCE
7-28-97 DATE	J. L. Crowder, Jr. — CHIEF ENGINEER

APPROVED FOR RIGHT OF WAY ACQUISITION	
7/25/97 DATE	David R. Cook — COMMISSIONER

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	SECONDARY/URBAN OR BLANK
DATE	STATE LOCATION AND DESIGN ENGINEER
DATE	ASSISTANT COMMISSIONER FOR FINANCE

APPROVED FOR CONSTRUCTION	
DATE	CHIEF ENGINEER

APPROVED	
DATE	DIVISION ADMINISTRATOR FEDERAL HIGHWAY ADMINISTRATION U.S. DEPARTMENT OF TRANSPORTATION

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SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR q:\24615\rw\new\16160001.dgn
REVISED BY

PRINTS SENT TO		NO.	DATE
R/W DIV.	ADVANCE PLANS COMPLETED PLANS		
DIST. ENGR	ADVANCE PLANS COMPLETED PLANS FOR UTILITIES		
RES. ENGR	ADVANCE PLANS COMPLETED PLANS		
CONSTR. ENGR.			

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-9-97 10-22-99 2-1-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501 RUVA -002 - 101, PE 101	3

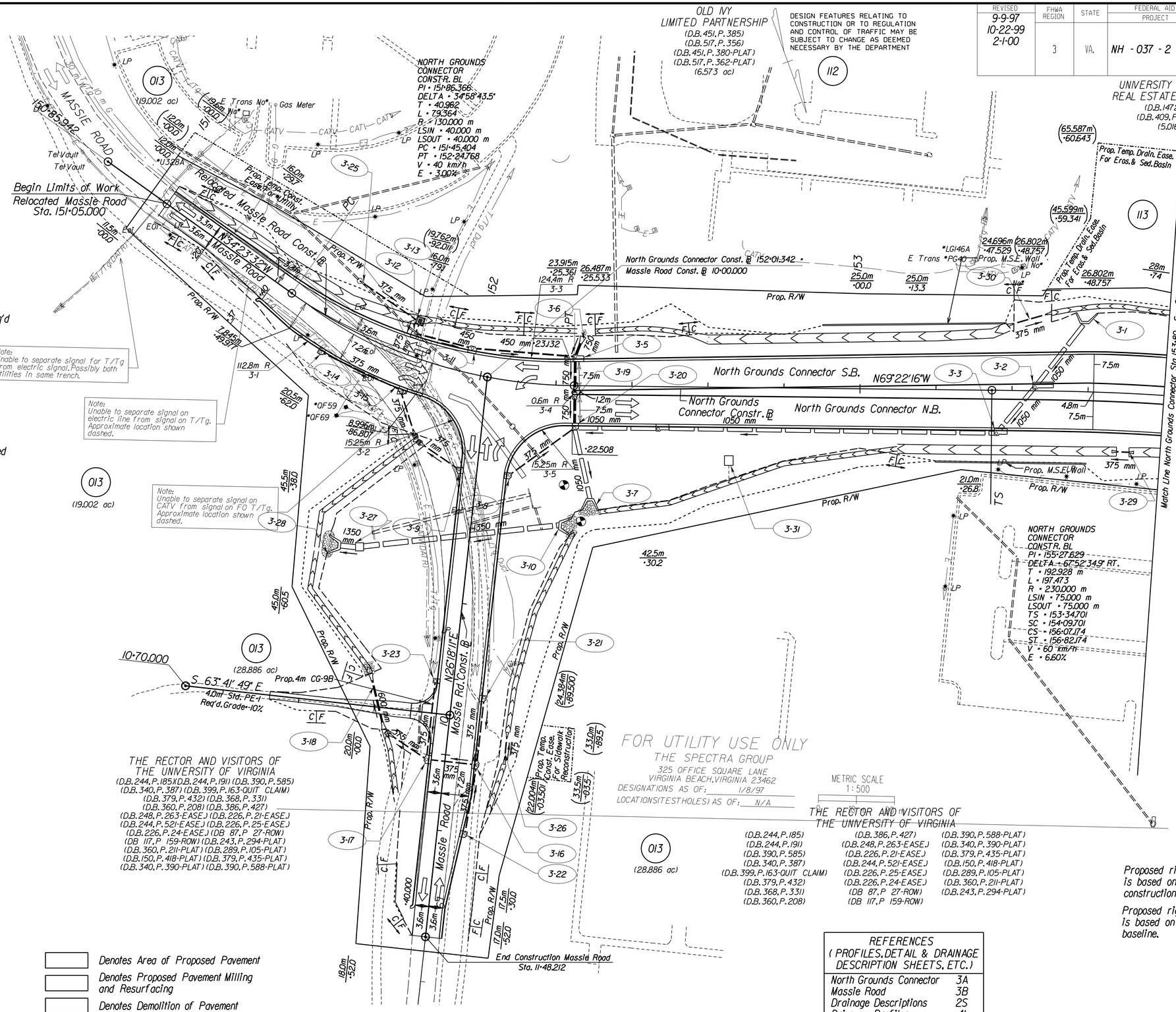
UTILITY OWNERS
Water: Rivanna Water & Sewer Authority
Water: Albemarle County Service Authority
Gas: City of Charlottesville
CATV: Adelphia Cable
Electric: Virginia Power
Telephone: Centel/Sprint
Telephone: MCI

Notes:
C _ _ _ Denotes Construction Limits in Cuts
F _ _ _ Denotes Construction Limits in Fills
Denotes Temp. Filter Barrier Req'd
Denotes Temp. Silt Fence Req'd

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.



(D.B.244, P.185)	(D.B.386, P.427)	(D.B.390, P.588-PLAT)
(D.B.244, P.191)	(D.B.248, P.263-EASE.)	(D.B.340, P.390-PLAT)
(D.B.390, P.585)	(D.B.226, P.21-EASE.)	(D.B.379, P.435-PLAT)
(D.B.340, P.387)	(D.B.244, P.521-EASE.)	(D.B.150, P.418-PLAT)
(D.B.399, P.163-QUIT CLAIM)	(D.B.226, P.25-EASE.)	(D.B.289, P.105-PLAT)
(D.B.379, P.432)	(D.B.226, P.24-EASE.)	(D.B.360, P.211-PLAT)
(D.B.368, P.331)	(DB 87, P 27-ROW)	(D.B.243, P.294-PLAT)
(D.B.360, P.208)	(DB 117, P 159-ROW)	

Proposed right-of-way of North Grounds Connector is based on the North Grounds Connector centerline construction baseline.

Proposed right-of-way of Massie Road is based on the Massie Road construction baseline.

17 Med. Curb MC-1, Req'd
22 Comb. Curb & Gutter CG-6, Req'd
29 Curb Ramp CG-12, Req'd
64 Median Strip MS-1A, Req'd
65 Median Strip MS-2, Req'd

Denotes Area of Proposed Pavement
Denotes Proposed Pavement Milling and Resurfacing
Denotes Demolition of Pavement

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
North Grounds Connector	3A
Massie Road	3B
Drainage Descriptions	2S
Driveway Profiles	4I

METRIC SCALE 1:500
0 10 m 20 m

VDOT SHEETING

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22 RUVA - 002 - 101		3

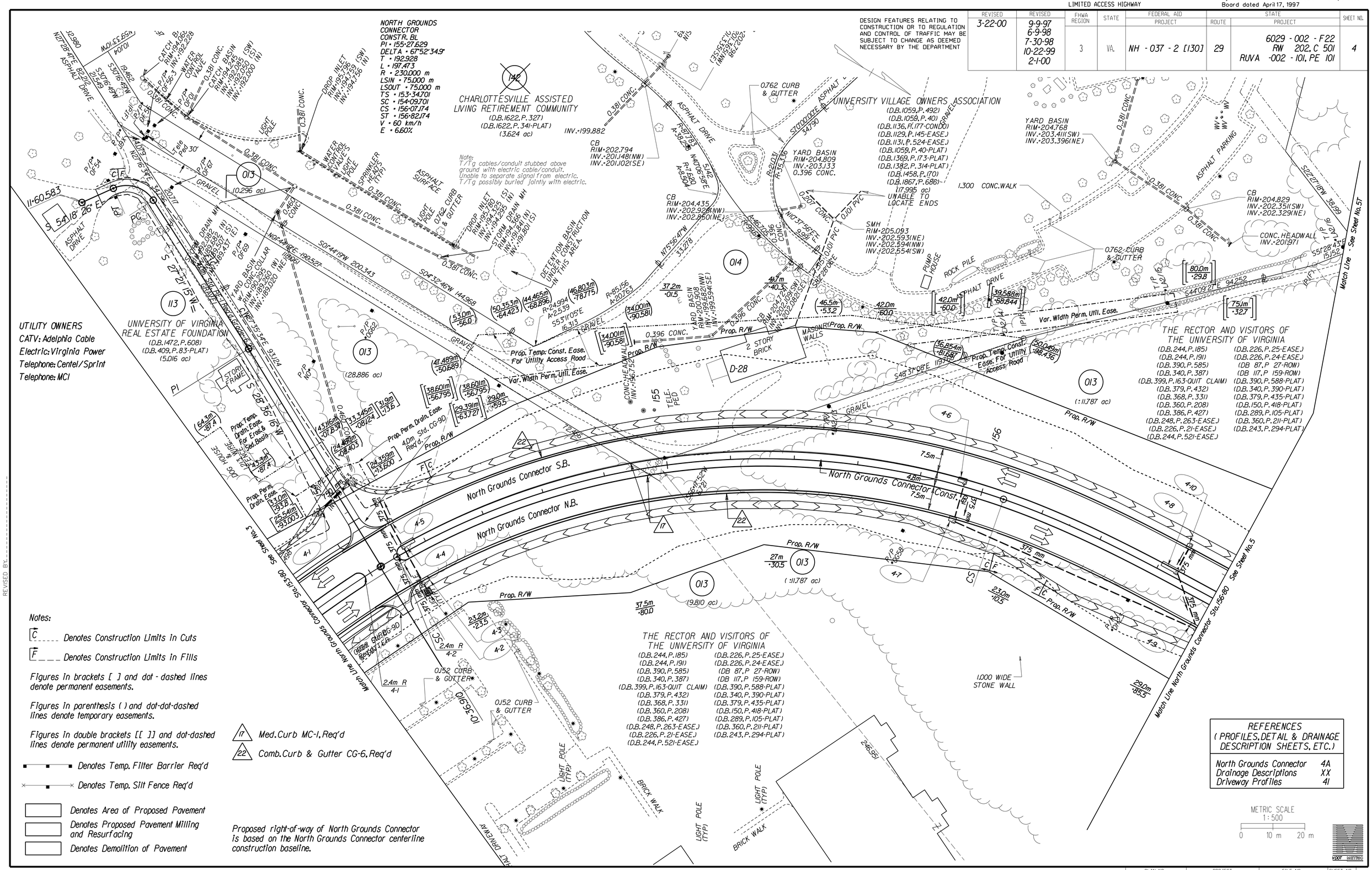
SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$ DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
3-22-00	9-9-97 6-9-98 7-30-98 10-22-99 2-1-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501 RUVA -002 - 101, PE 101	4



SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PAT'SY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22 RUVA - 002 - 101		4

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-9-97 2-27-98 10-22-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501 RUVA - 002 - 001, PE 101	5

UTILITY OWNERS
Water: Rivanna Water & Sewer Authority
Water: Albemarle County Service Authority
Electric: Virginia Power

Notes:
C - - - - Denotes Construction Limits in Cuts
F - - - - Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

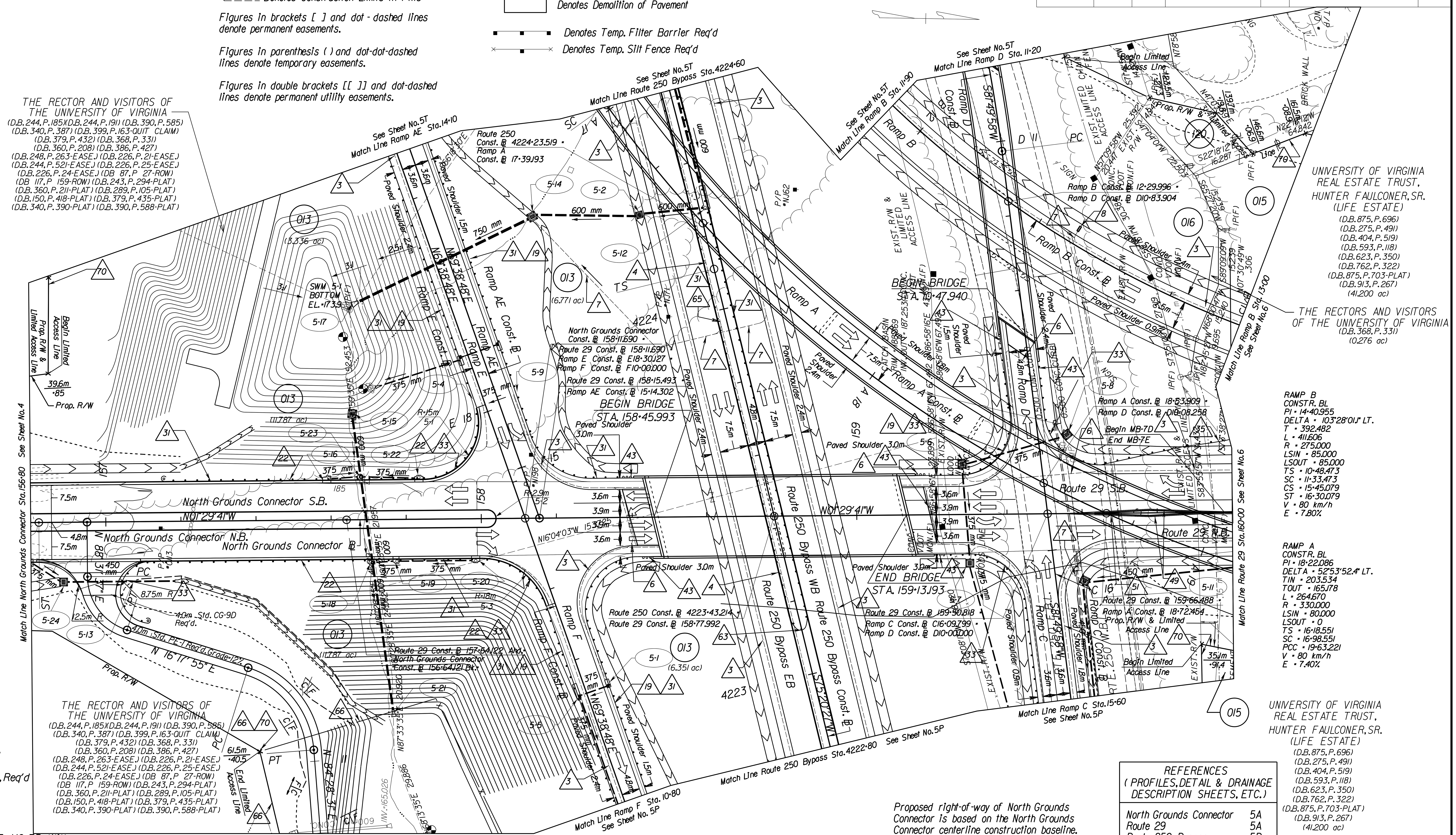
Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Area of Proposed Pavement
Denotes Proposed Pavement Milling and Resurfacing
Denotes Demolition of Pavement
Denotes Temp. Filter Barrier Req'd
Denotes Temp. Silt Fence Req'd

RAMP D
CONSTR. BL
PI • 11+48.943
DELTA • 14°41'40.4" LT.
T • 51.577
L • 102.587
R • 400.000
PC • 10+97.367
PCC • 11+99.954
V • 80 km/h
E • 6.60%

ROUTE 250
CONSTR. BL
PI • 4228+84.785
DELTA • 56°34'54.8" LT.
TIN • 473.815
TOUT • 492.994
L • 685.032
R • 800.000
LSIN • 85.000
LSOUT • 125.000
TS • 4224+10.97
SC • 4224+95.97
CS • 4231+81.002
ST • 4233+06.002
V • 100 km/h
E • 6.40%

NORTH GROUNDS CONNECTOR
CONSTR. BL
PI • 155+27.629
DELTA • 67°52'34.9" RT.
T • 192.928
L • 197.473
R • 230.000
LSIN • 75.000
LSOUT • 75.000
TS • 153+34.701
SC • 154+09.701
CS • 156+07.174
ST • 156+82.174
V • 60 km/h
E • 6.60%



RAMP B
CONSTR. BL
PI • 14+40.955
DELTA • 103°28'01.0" LT.
T • 392.482
L • 411.606
R • 275.000
LSIN • 85.000
LSOUT • 85.000
TS • 10+48.473
SC • 11+33.473
CS • 15+45.079
ST • 16+30.079
V • 80 km/h
E • 7.80%

RAMP A
CONSTR. BL
PI • 18+22.086
DELTA • 52°53'52.4" LT.
TIN • 203.534
TOUT • 165.178
L • 264.670
R • 330.000
LSIN • 80.000
LSOUT • 0
TS • 16+18.551
SC • 16+98.551
PCC • 19+63.221
V • 80 km/h
E • 7.40%

Symbol	Description	Symbol	Description	Symbol	Description	Symbol	Description
3	Underdrain, UD-4, Req'd	36	Guardrail Terminal GR-7, Req'd	51	Median Barrier MB-9A, Req'd	65	Median Strip MS-2, Req'd
4	Underdrain, UD-2, Req'd	43	Fixed Object Attach. GR-FOA-2 TY I, Req'd	61	5 Bay Impact Attenuator, Req'd	66	Fence FE-CL, Req'd
6	Comb. Underdrain CD-2, Req'd	48	Median Barrier MB-7D, Req'd	62	7 Bay Impact Attenuator, Req'd	69	Gate FE-CL L=4.0m Double Swing, Req'd
7	Outlet Pipe, Req'd	49	Median Barrier MB-7E, Req'd	63	Bull Nose Barrier, Req'd	70	Fence FE-WI Modified, Req'd
15	Curb CG-3, Req'd						
19	Asphalt Conc. Curb CG-3 MC-3B With Asphalt Conc. Backup Material Req'd						
22	Comb. Curb & Gutter CG-6, Req'd						
31	Guardrail GR-2, Req'd						
33	Radial Guardrail GR-2, Req'd						
35	Guardrail Terminal GR-6, Req'd						

Proposed right-of-way of North Grounds Connector is based on the North Grounds Connector centerline construction baseline.

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Proposed right-of-way of Route 250 Bypass is based on the Route 250 Bypass centerline construction baseline.

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

North Grounds Connector	5A
Route 29	5A
Route 250 Bypass	5B
Ramp A	5C
Ramp B	5D
Ramp C/D	5E
Ramp E/F	5F
Ramp AE	5G
Drainage Descriptions	2S
SWM Basin 5-2 Details	2T(1)
SWM Basin 5-1 Details	2T(2)

METRIC SCALE 1:500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$DESIGNFILE$SPECIFICATION$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22 RUVA - 002 - 101		5

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
2-1-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	5AA

UTILITY OWNERS
Electric: Virginia Power
Telephone: Centel/Sprint
Telephone: MCI

- 3 Underdrain, UD-4, Req'd
- 4 Underdrain, UD-2, Req'd
- 8 Endwall EW-12, Req'd
- 10 Std. Paved Ditch PG-4 Req'd.
- 15 Curb CG-3, Req'd
- 19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 31 Guardrail GR-2, Req'd
- 35 Guardrail Terminal GR-6, Req'd
- 36 Guardrail Terminal GR-7, Req'd
- 43 Fixed Object Attach. GR-FOA-2 TY 1, Req'd
- 50 Median Barrier MB-7F, Req'd
- 65 Median Strip MS-2, Req'd
- 66 Fence FE-CL, Req'd
- 69 Gate FE-CL L=4.0m Double Swing, Req'd
- 70 Fence FE-WI Modified, Req'd

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

Notes:

C _____ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Temp. Filter Barrier Req'd

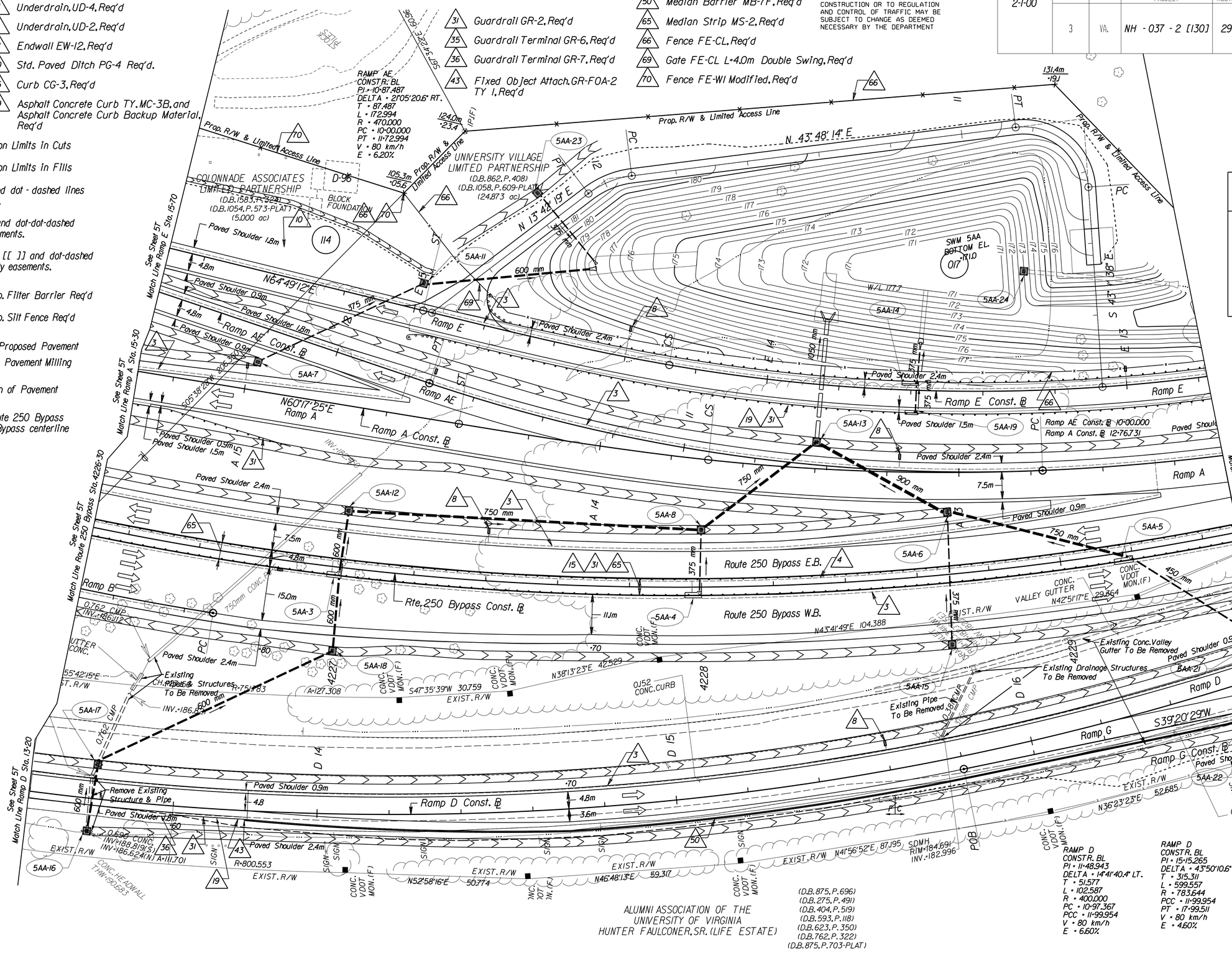
Denotes Temp. Silt Fence Req'd

Denotes Area of Proposed Pavement

Denotes Proposed Pavement Milling and Resurfacing

Denotes Demolition of Pavement

Proposed right-of-way of Route 250 Bypass is based on the Route 250 Bypass centerline construction baseline.



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

Route 250 Bypass	5BB
Ramp A	5CC
Ramp B	5DD
Ramp D	5EE
Ramp E	5FF
Ramp AE	5GG
Ramp G	5HH
SWM Basin 5AA Detail	2T(6)
Drainage Descriptions	2S

ROUTE 250
CONSTR. BL
PI = 4228+84.785
DELTA = 56°34'54.8" LT.
TIN = 473.815
TOUT = 492.994
L = 685.032
R = 800.000
LSIN = 85.000
LSOUT = 125.000
TS = 4224+10.970
SC = 4224+95.970
CS = 4231+81.002
ST = 4233+06.002
V = 100 km/h
E = 6.40%

RAMP B
CONSTR. BL
PI = 9+76.007
DELTA = 03°21'52.4" RT.
T = 24.007
L = 48.000
R = 817.400
PC = 9+52.000
PT = 10+00.000
V = 80 km/h
E = %

RAMP A
CONSTR. BL
PI = 12+10.514
DELTA = 37°03'13.0" RT.
TIN = 209.989
TOUT = 244.011
L = 369.192
R = 625.000
LSIN = 0
LSOUT = 70.000
PC = 10+00.524
CS = 13+69.716
ST = 14+39.716
V = 80 km/h
E = 5.10%

RAMP E
CONSTR. BL
PI = 12+65.838
DELTA = 48°09'45.1" RT.
T = 258.641
L = 350.297
R = 500.000
LSIN = 70.000
LSOUT = 70.000
TS = 10+07.197
SC = 10+77.197
CS = 14+27.494
ST = 14+97.494
V = 80 km/h
E = 5.80%

RAMP D
CONSTR. BL
PI = 11+48.943
DELTA = 14°41'40.4" LT.
T = 51.577
L = 102.587
R = 400.000
PC = 10+97.367
PCC = 11+99.954
V = 80 km/h
E = 6.60%

RAMP D
CONSTR. BL
PI = 15+15.265
DELTA = 43°50'10.6" LT.
T = 315.311
L = 599.557
R = 783.644
PCC = 11+99.954
PT = 17+99.511
V = 80 km/h
E = 4.60%

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY: _____

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		5AA

LIMITED ACCESS HIGHWAY

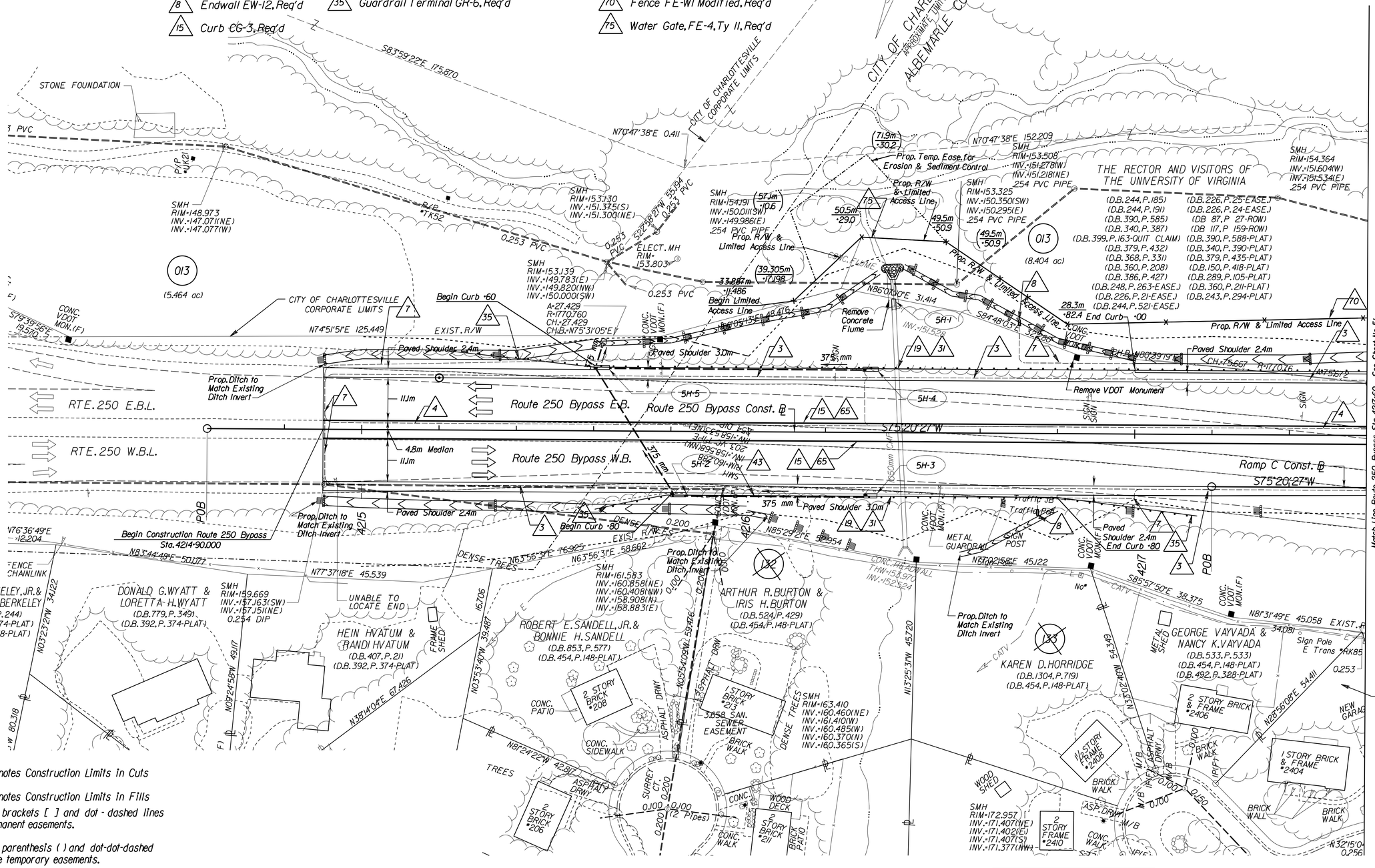
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 3-31-98 6-4-99 2-1-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	5H

UTILITY OWNERS
Electric: Virginia Power
Traffic Control: Virginia Dept. of Transportation

- 3 Underdrain, UD-4, Req'd
- 4 Underdrain, UD-2, Req'd
- 7 Outlet Pipe, Req'd
- 8 Endwall EW-12, Req'd
- 15 Curb CG-3, Req'd
- 19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 22 Comb. Curb & Gutter CG-6, Req'd
- 31 Guardrail GR-2, Req'd
- 35 Guardrail Terminal GR-6, Req'd
- 43 Fixed Object Attach. GR-FOA-2 TY I, Req'd
- 50 Median Barrier MB-7F, Req'd
- 65 Median Strip MS-2, Req'd
- 70 Fence FE-WI Modified, Req'd
- 75 Water Gate, FE-4, Ty II, Req'd

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



Notes:

C ____ Denotes Construction Limits in Cuts

F ___ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Temp. Filter Barrier Req'd

Denotes Temp. Silt Fence Req'd

Denotes Area of Proposed Pavement

Denotes Proposed Pavement Milling and Resurfacing

Denotes Demolition of Pavement

Proposed right-of-way of Route 250 Bypass is based on the Route 250 Bypass centerline construction baseline.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Route 250 Bypass	5I
Ramp C	5J
Drainage Descriptions	2S

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		5H

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

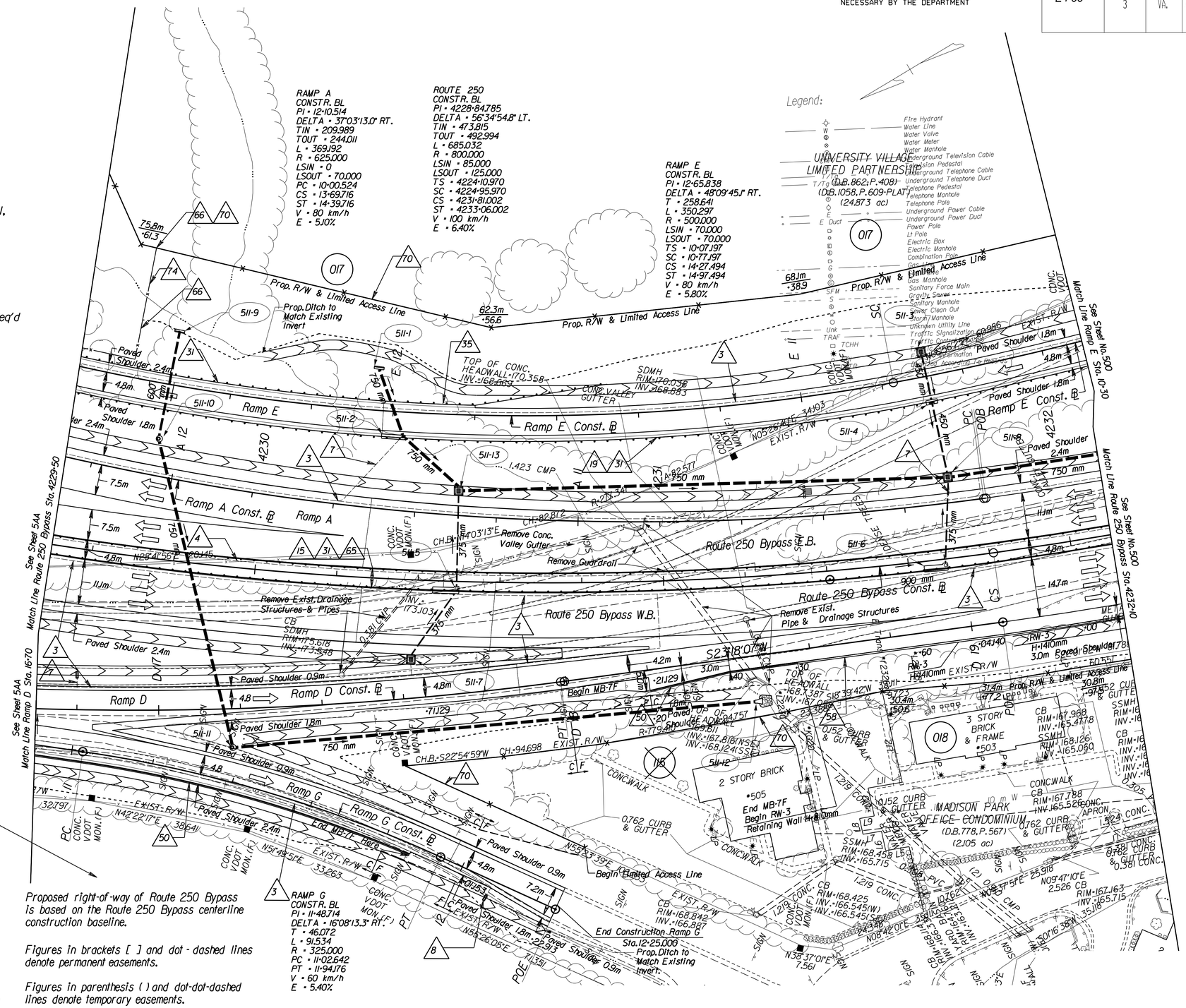
REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
10-8-97 8-27-98 2-1-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	511

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

UTILITY OWNERS
Electric: Virginia Power
Telephone: Centel/Sprint
Telephone: MCI

- 3 Underdrain, UD-4, Req'd
- 4 Underdrain, UD-2, Req'd
- 7 Outlet Pipe, Req'd
- 8 Endwall EW-12, Req'd
- 15 Curb CG-3, Req'd
- 19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 31 Guardrail GR-2, Req'd
- 35 Guardrail Terminal GR-6, Req'd
- 36 Guardrail Terminal GR-7, Req'd
- 43 Fixed Object Attach. GR-FOA-2 TY 1, Req'd
- 48 Median Barrier MB-7D, Req'd
- 50 Median Barrier MB-7F
- 58 Retaining Wall RW-3 Req'd
- 65 Median Strip MS-2, Req'd
- 70 Fence FE-WI Modified, Req'd

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Route 250 Bypass	5JJ
Ramp A	5KK
Ramp D	5LL
Ramp E	5MM
Ramp G	5NN
Drainage Description	2S



RAMP D
CONSTR. BL
PI = 15+15.265
DELTA = 43°50'10.7" LT.
T = 315.311
L = 599.557
R = 783.644
PCC = 11+99.954
PT = 17+99.511
V = 80 km/h
E = 4.60%

ALUMNI ASSOCIATION OF THE UNIVERSITY OF VIRGINIA
HUNTER FAULCONER, SR. (LIFE ESTATE)
(D.B.875, P.696)
(D.B.275, P.491)
(D.B.404, P.519)
(D.B.593, P.118)
(D.B.623, P.350)
(D.B.762, P.322)
(D.B.875, P.703-PLAT)

Notes:

- C Denotes Construction Limits in Cuts
- F Denotes Construction Limits in Fills
- Denotes Temp. Filter Barrier Req'd
- Denotes Temp. Silt Fence Req'd

Proposed right-of-way of Route 250 Bypass is based on the Route 250 Bypass centerline construction baseline.

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

RAMP G
CONSTR. BL
PI = 11+48.714
DELTA = 16°08'13.3" RT.
T = 46.072
L = 91.534
R = 325.000
PC = 11+02.642
PT = 11+94.176
V = 60 km/h
E = 5.40%

- Denotes Area of Proposed Pavement
- Denotes Proposed Pavement Milling and Resurfacing
- Denotes Demolition of Pavement

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY MAPIER (804) 785-2566
DESIGNED BY PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		511

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 3-31-98 2-1-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	5L

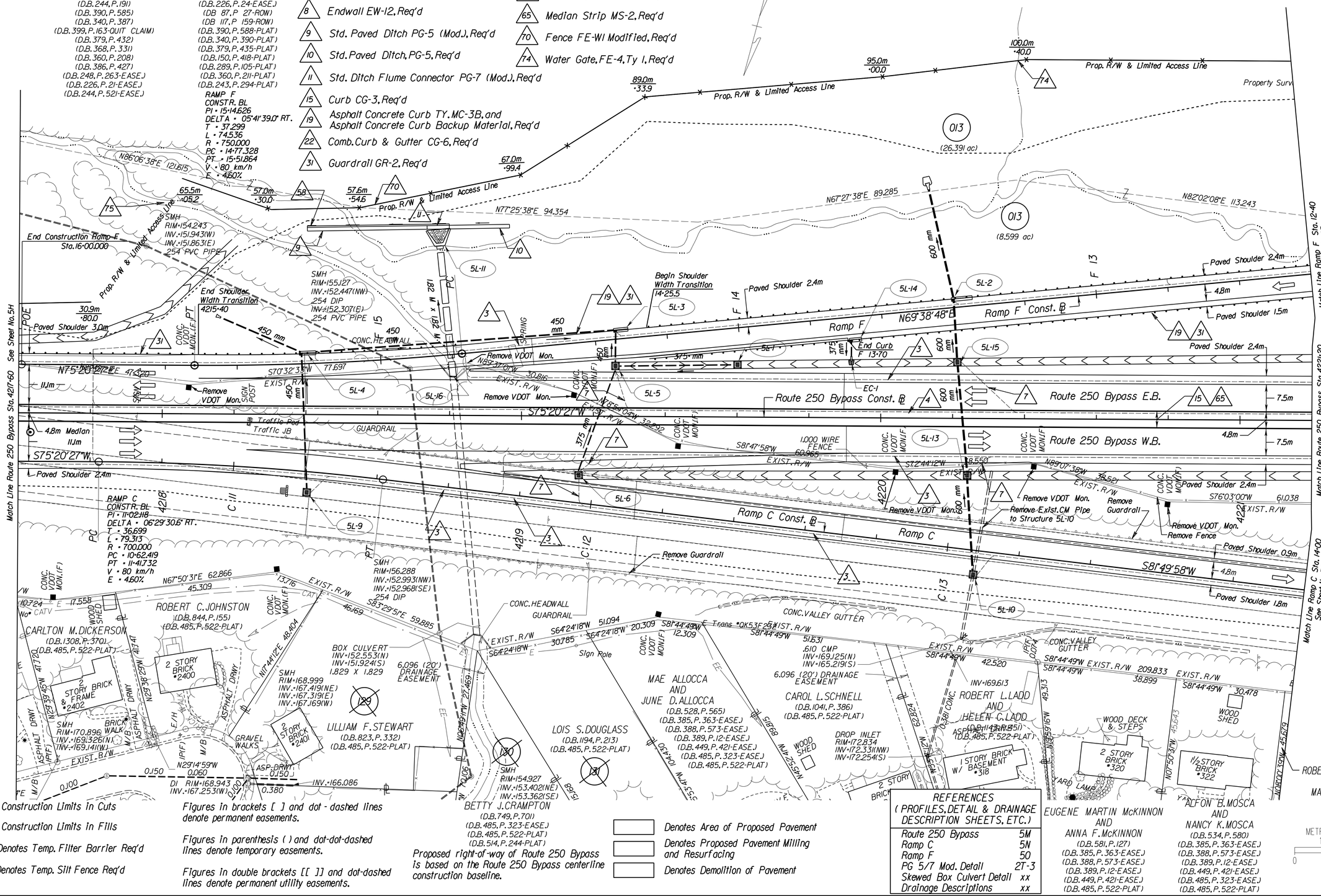
UTILITY OWNERS
Electric: Virginia Power

013
THE RECTOR AND VISITORS OF THE UNIVERSITY OF VIRGINIA
(D.B.244, P.185)
(D.B.244, P.191)
(D.B.390, P.585)
(D.B.340, P.387)
(D.B.399, P.163-QUIT CLAIM)
(D.B.379, P.432)
(D.B.368, P.331)
(D.B.360, P.208)
(D.B.386, P.427)
(D.B.248, P.263-EASE.)
(D.B.226, P.21-EASE.)
(D.B.244, P.521-EASE.)
(D.B.226, P.25-EASE.)
(D.B.226, P.24-EASE.)
(DB 87, P 27-ROW)
(DB 117, P 159-ROW)
(D.B.390, P.588-PLAT)
(D.B.340, P.390-PLAT)
(D.B.379, P.435-PLAT)
(D.B.150, P.418-PLAT)
(D.B.289, P.105-PLAT)
(D.B.360, P.211-PLAT)
(D.B.243, P.294-PLAT)

RAMP F
CONSTR. BL
PI = 15+14.626
DELTA = 05°41'39.0" RT.
T = 37.299
L = 74.536
R = 750.000
PC = 14+77.328
PT = 15+51.864
V = 80 km/h
E = 4.60%

3 Underdrain, UD-4, Req'd
4 Underdrain, UD-2, Req'd
7 Outlet Pipe, Req'd
8 Endwall EW-12, Req'd
9 Std. Paved Ditch PG-5 (Mod.), Req'd
10 Std. Paved Ditch, PG-5, Req'd
11 Std. Ditch Flume Connector PG-7 (Mod.), Req'd
15 Curb CG-3, Req'd
19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
22 Comb. Curb & Gutter CG-6, Req'd
31 Guardrail GR-2, Req'd
35 Guardrail Terminal GR-6, Req'd
36 Guardrail Terminal GR-7, Req'd
58 Retaining Wall RW-2, Req'd
65 Median Strip MS-2, Req'd
70 Fence FE-W1 Modified, Req'd
74 Water Gate, FE-4, Ty I, Req'd
75 Water Gate, FE-4, Ty II, Req'd

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



Notes:

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Denotes Temp. Filter Barrier Req'd

Denotes Temp. Silt Fence Req'd

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way of Route 250 Bypass is based on the Route 250 Bypass centerline construction baseline.

Denotes Area of Proposed Pavement

Denotes Proposed Pavement Milling and Resurfacing

Denotes Demolition of Pavement

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

Route 250 Bypass	5M
Ramp C	5N
Ramp F	5O
PG 5/7 Mod. Detail	2T-3
Skewed Box Culvert Detail	xx
Drainage Descriptions	xx

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY:

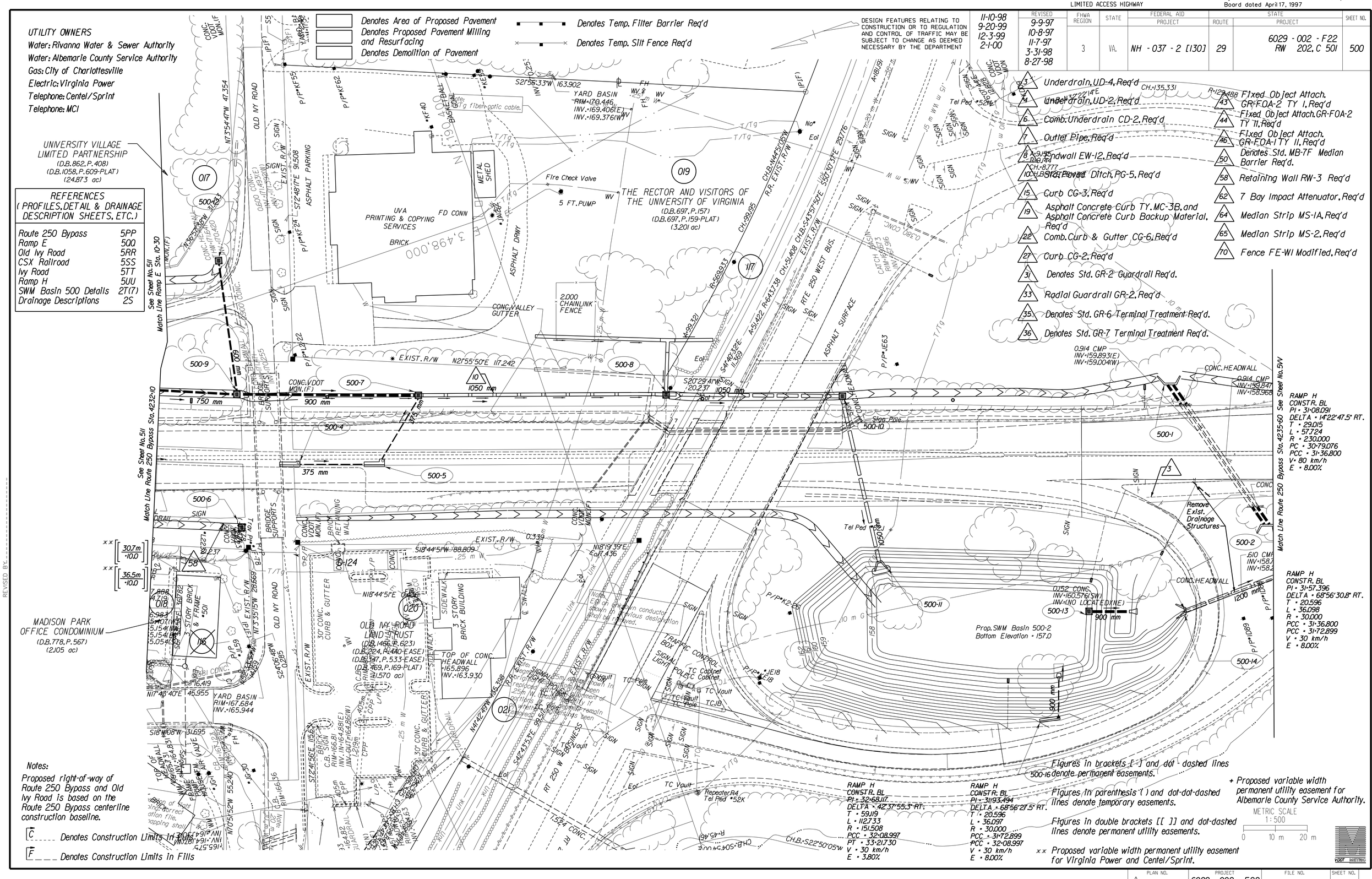
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		5L

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
11-10-98 9-20-99 12-3-99 2-1-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	500
9-9-97 10-8-97 11-7-97 3-31-98 8-27-98						



Notes:

Proposed right-of-way of Route 250 Bypass and Old Ivy Road is based on the Route 250 Bypass centerline construction baseline.

C ____ Denotes Construction Limits In Cuts

F ____ Denotes Construction Limits In Fills

Figures in brackets [ ] and dot-dashed lines 500-16 denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

** Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

+ Proposed variable width permanent utility easement for Albemarle County Service Authority.

METRIC SCALE 1:500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2366
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		500

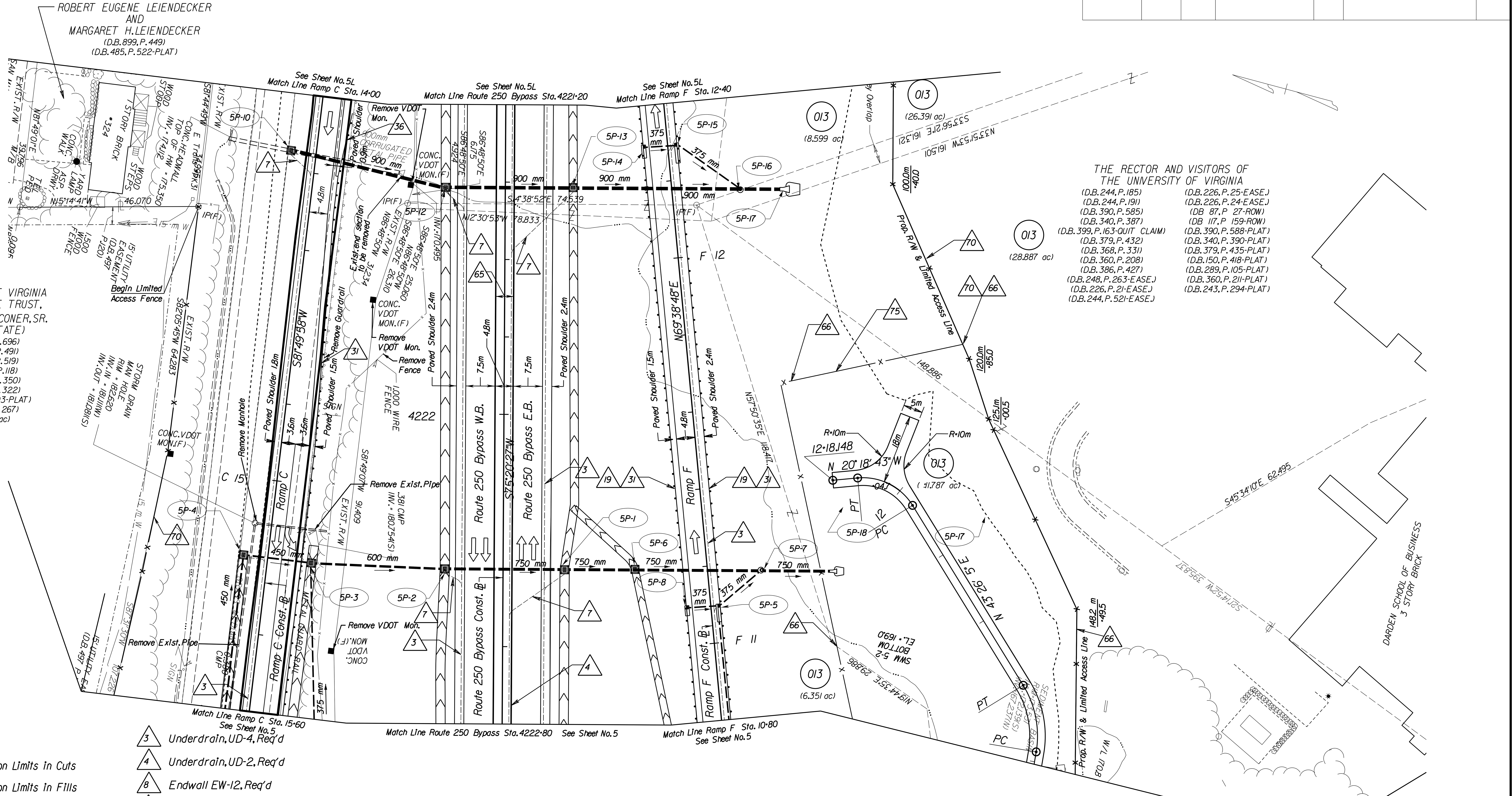
By Resolution of Commonwealth Transportation Board dated April 17, 1997

LIMITED ACCESS HIGHWAY

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
10-22-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	5P

UTILITY OWNERS
Electric: Virginia Power



Notes:

C - - - - Denotes Construction Limits in Cuts

F - - - Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Temp. Filter Barrier Req'd

Denotes Temp. Silt Fence Req'd

- 3 Underdrain, UD-4, Req'd
- 4 Underdrain, UD-2, Req'd
- 8 Endwall EW-12, Req'd
- 19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 22 Comb. Curb & Gutter CG-6, Req'd
- 31 Guardrail GR-2, Req'd
- 36 Guardrail Terminal GR-7, Req'd
- 65 Median Strip MS-2, Req'd
- 66 Fence FE-CL, Req'd
- 69 Gate FE-CL L=4.0m Double Swing, Req'd
- 70 Fence FE-W1 Modified, Req'd

Proposed right-of-way of Route 250 Bypass is based on the Route 250 Bypass centerline construction baseline.

Denotes Area of Proposed Pavement

Denotes Proposed Pavement Milling and Resurfacing

Denotes Demolition of Pavement

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Route 250 Bypass	5Q
Ramp C	5R
Ramp F	5S
Drainage Descriptions	XX
SWM Basin 5-2 Details	XX

METRIC SCALE
1:500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$DESIGN$FILE$SPECIFICATION$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 2-27-98 2-1-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	5T

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

UTILITY OWNERS
Electric: Virginia Power

3 Underdrain, UD-4, Req'd
4 Underdrain, UD-2, Req'd
6 Comb. Underdrain CD-2, Req'd
7 Outlet Pipe, Req'd
8 Endwall EW-12, Req'd
10 Std. Paved Ditch, PG-5, Req'd
100 mm Thick, 2:1 Side Slopes
0.60 m Bottom Width,
0.30 m Depth

RAMP B
CONSTR. BL
PI = 14+40.955
DELTA = 103°28'01.1" LT.
T = 392.482
L = 411.606
R = 275.000
LSIN = 85.000
LSOUT = 85.000
TS = 10+48.473
SC = 11+33.473
CS = 15+45.079
ST = 16+30.079
V = 80 km/h
E = 7.80%

RAMP B
CONSTR. BL
PI = 9+76.007
DELTA = 3°21'52.4" RT.
T = 24.007
L = 48.000
R = 817.400
PC = 9+52.000
PT = 10+00.000
V = 80 km/h
E = 7.80%

ROUTE 250
CONSTR. BL
PI = 4228+84.785
DELTA = 56°34'54.8" LT.
TIN = 473.815
TOUT = 492.994
L = 685.032
R = 800.000
LSIN = 85.000
LSOUT = 125.000
TS = 4224+10.97
SC = 4224+95.97
CS = 4231+81.002
ST = 4233+06.002
V = 100 km/h
E = 6.40%

RAMP A
CONSTR. BL
PI = 18+22.086
DELTA = 52°53'52.4" LT.
TIN = 203.534
TOUT = 165.178
L = 264.670
R = 330.000
LSIN = 80.000
LSOUT = 0
TS = 16+18.551
SC = 16+98.551
PCC = 19+63.221
V = 80 km/h
E = 7.40%

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

Route 250 Bypass	5U
Ramp A	5V
Ramp B	5W
Ramp D	5X
Ramp E	5Y
Ramp AE	5Z
Drainage Descriptions	2S
Entrance Profiles	XX

UNIVERSITY OF VIRGINIA
REAL ESTATE TRUST,
HUNTER FAULCONER, SR.
(LIFE ESTATE)
(D.B. 875, P. 696)
(D.B. 275, P. 491)
(D.B. 404, P. 519)
(D.B. 593, P. 118)
(D.B. 623, P. 350)
(D.B. 762, P. 322)
(D.B. 875, P. 703-PLAT)
(D.B. 913, P. 267)
(41.200 ac)

THE RECTOR AND VISITORS OF
THE UNIVERSITY OF VIRGINIA
(D.B. 244, P. 185)(D.B. 244, P. 191) (D.B. 390, P. 585)
(D.B. 340, P. 387) (D.B. 399, P. 163-QUIT CLAIM)
(D.B. 379, P. 432) (D.B. 368, P. 331)
(D.B. 360, P. 208) (D.B. 386, P. 427)
(D.B. 248, P. 263-EASE.) (D.B. 226, P. 21-EASE.)
(D.B. 244, P. 521-EASE.) (D.B. 226, P. 25-EASE.)
(D.B. 226, P. 24-EASE.) (DB 87, P 27-ROW)
(DB 117, P 159-ROW) (D.B. 243, P. 294-PLAT)
(D.B. 360, P. 211-PLAT) (D.B. 289, P. 105-PLAT)
(D.B. 150, P. 418-PLAT) (D.B. 379, P. 435-PLAT)
(D.B. 340, P. 390-PLAT) (D.B. 390, P. 588-PLAT)

Notes:

C _ _ _ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Temp. Filter Barrier Req'd

Denotes Temp. Silt Fence Req'd

Denotes Area of Proposed Pavement

Denotes Proposed Pavement Milling and Resurfacing

Denotes Demolition of Pavement

Proposed right-of-way of Route 250 Bypass is based on the Route 250 Bypass centerline construction baseline.

15 Curb CG-3, Req'd
19 Asphalt Conc. Curb CG-3 MC-3B With Asphalt Conc. Backup Material Req'd
31 Guardrail GR-2, Req'd
33 Radial Guardrail GR-2, Req'd
35 Guardrail Terminal GR-6, Req'd
36 Guardrail Terminal GR-7, Req'd
43 Fixed Object Attach. GR-FOA-2 TY I, Req'd
44 Fixed Object Attach. GR-FOA-2 TY II, Req'd
62 7 Bay Impact Attenuator, Req'd
65 Median Strip MS-2, Req'd
70 Fence FE-WI Modified, Req'd

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		5T

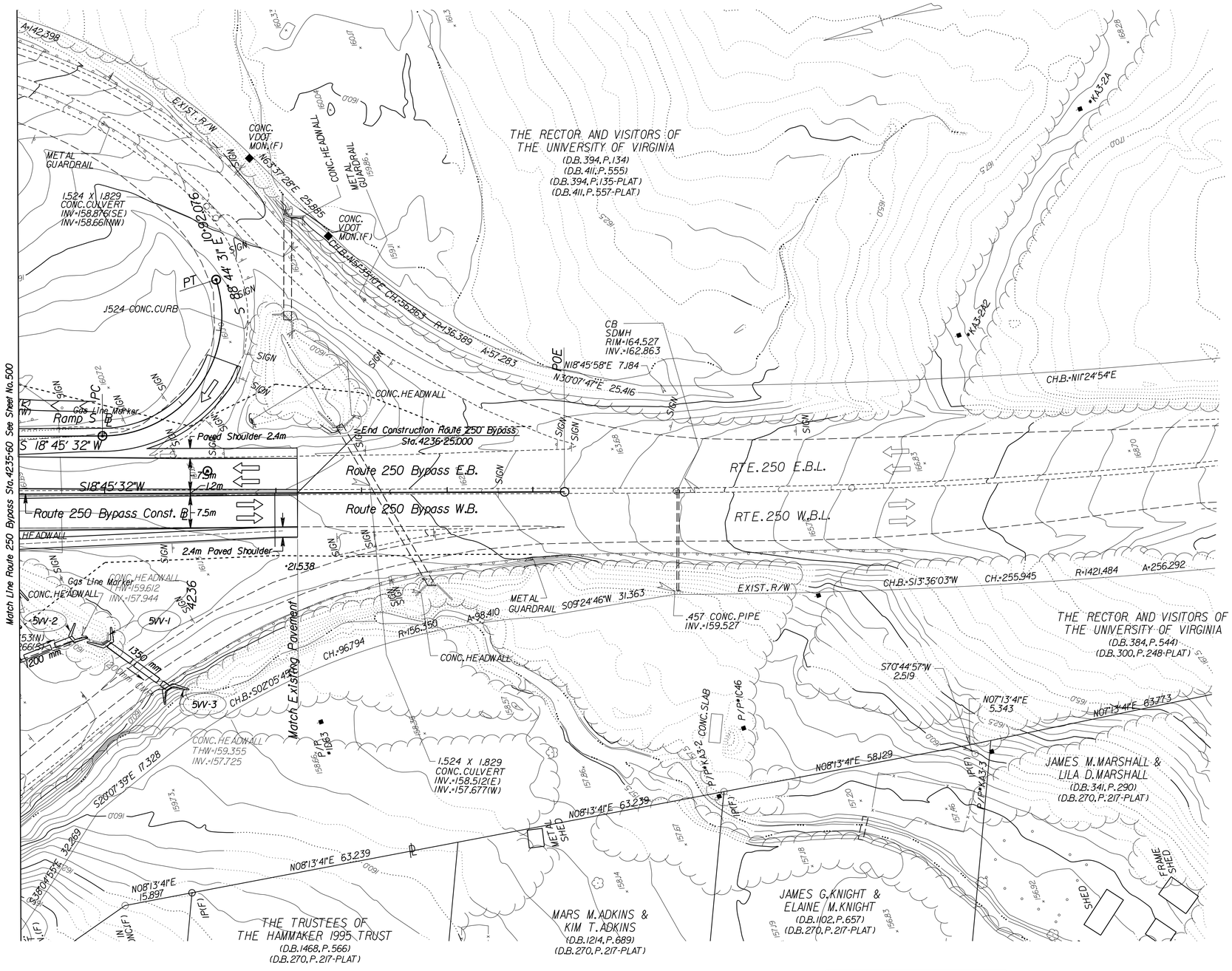
LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	5V V

UTILITY OWNERS
Gas: City of Charlottesville
Electric: Virginia Power



15 Curb CG-3, Req'd

31 Denotes Std. GR-2 Guardrail Req'd.

65 Median Strip MS-2, Req'd

Notes:

C _____ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Temp. Filter Barrier Req'd

Denotes Temp. Silt Fence Req'd

Proposed right-of-way of Route 250 Bypass is based on the Route 250 Bypass centerline construction baseline.

Denotes Area of Proposed Pavement

Denotes Proposed Pavement Milling and Resurfacing

Denotes Demolition of Pavement

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Route 250 Bypass	5WW

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		5V V

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	6

UTILITY OWNERS
Water: Rivanna Water & Sewer Authority
Water: Albemarle County Service Authority

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

Notes:

C _____ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

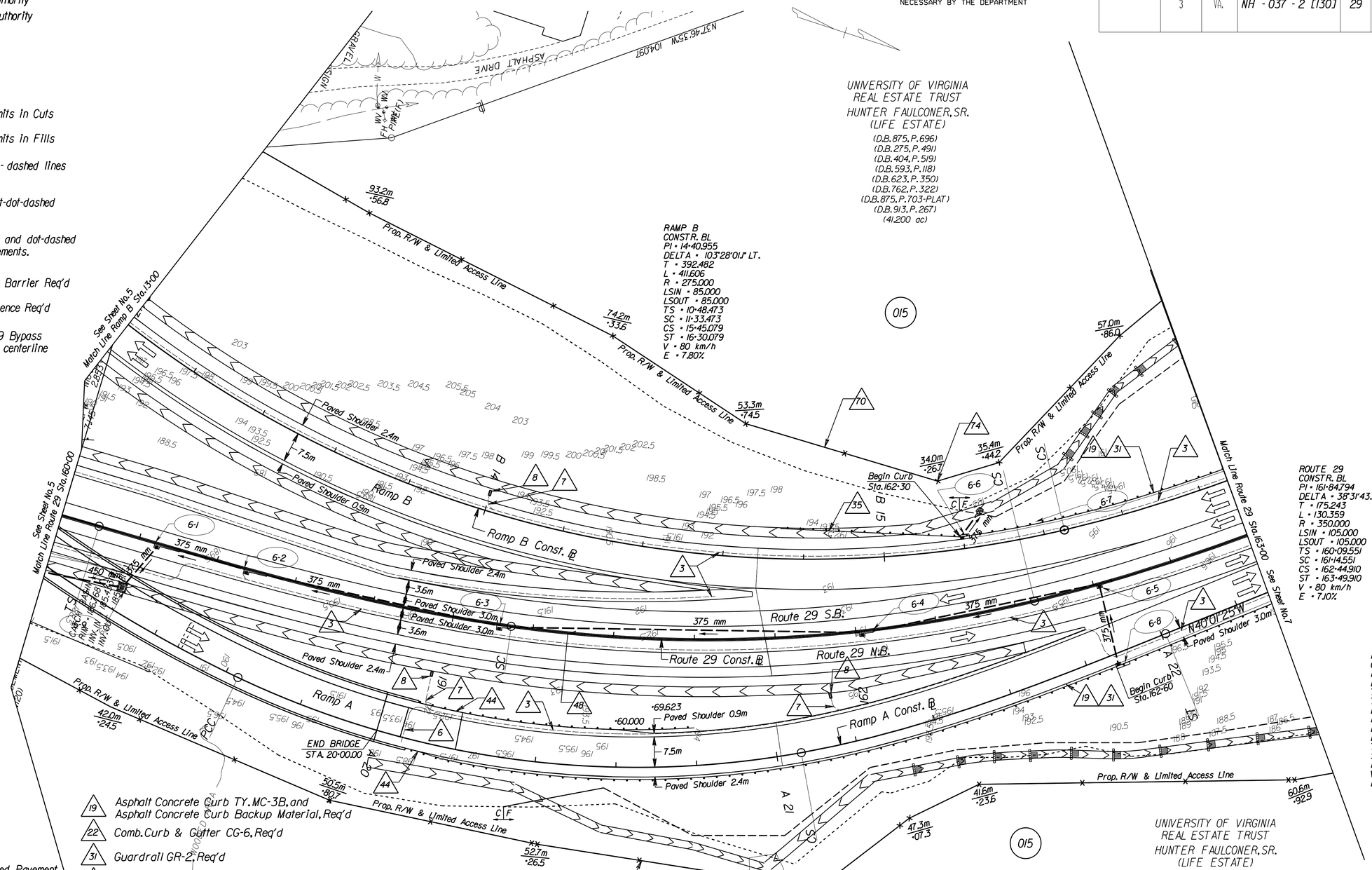
Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Temp. Filter Barrier Req'd

Denotes Temp. Silt Fence Req'd

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.



Denotes Area of Proposed Pavement	
Denotes Proposed Pavement Milling and Resurfacing	
Denotes Demolition of Pavement	
3	Underdrain, UD-4, Req'd
6	Comb. Underdrain CD-2, Req'd
7	Outlet Pipe, Req'd
8	Endwall EW-12, Req'd
19	Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
22	Comb. Curb & Gutter CG-6, Req'd
31	Guardrail GR-2, Req'd
35	Guardrail Terminal GR-6, Req'd
36	Guardrail Terminal GR-7, Req'd
44	Fixed Object Attach. GR-FOA-2 TY II, Req'd
48	Median Barrier MB-7D, Req'd
50	Median Barrier MB-7F, Req'd
70	Fence FE-WI Modified, Req'd
74	Water Gate, FE-4, Ty I, Req'd

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Route 29	6A
Ramp A	6B
Ramp B	6C
Drainage Descriptions	2S

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY _ROUSE-SIRINE_ASSOCIATES,LTD.
SUPERVISED BY_PATSY NAPIER (804)786-2566
DESIGNED BY_ _PARSONS_BRINCKERHOFF_QUADE & DOUGLAS
CADD OPERATOR$$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		6

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

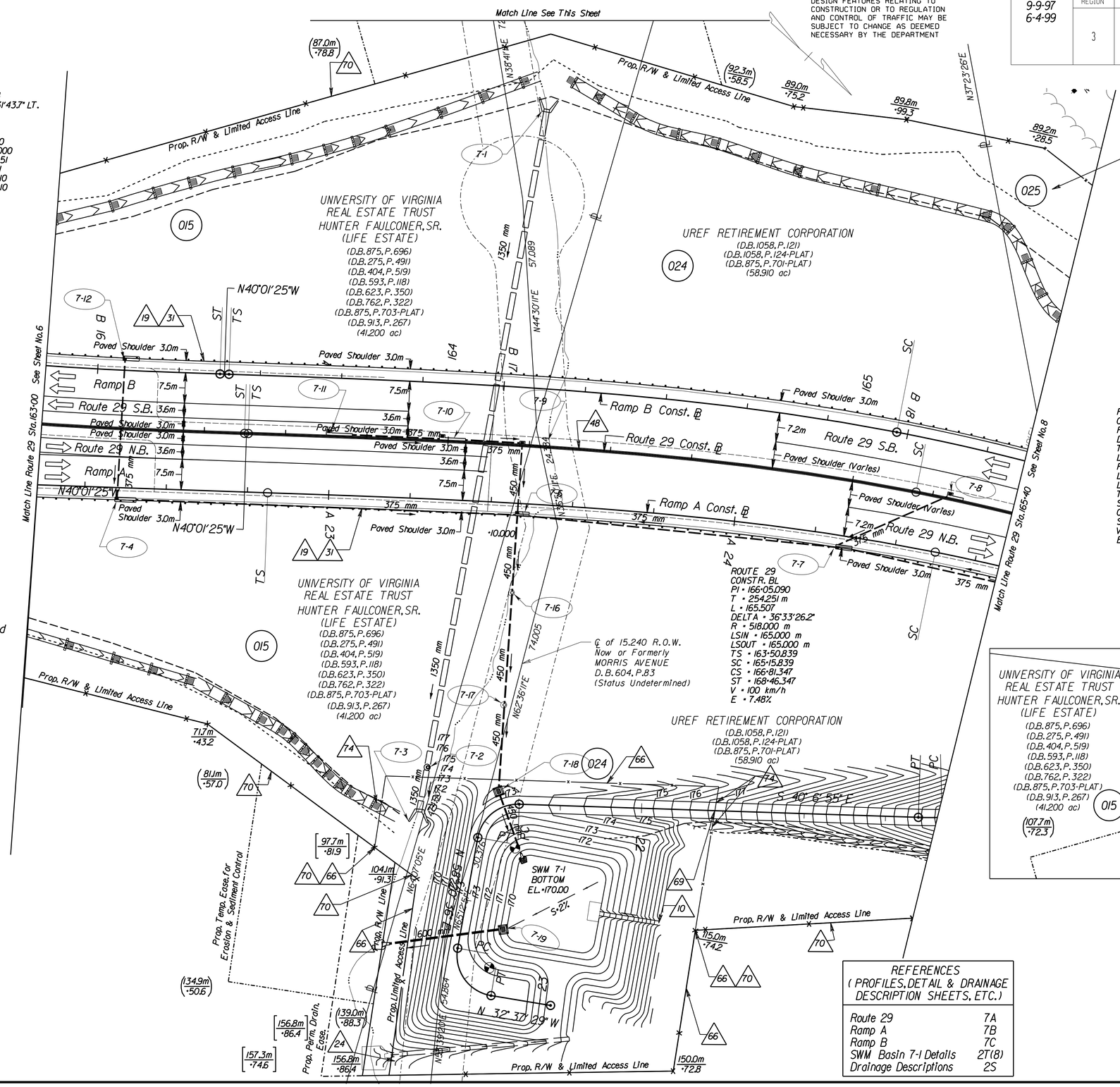
REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 6-4-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	7

UTILITY OWNERS

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

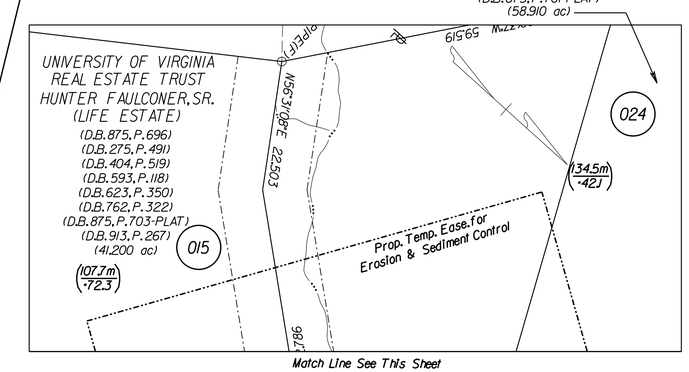
RAMP B
CONSTR. BL
PI = 14+40.955
DELTA = 103°28'01.0" LT.
T = 392.482
L = 411.606
R = 275.000
LSIN = 85.000
LSOUT = 85.000
TS = 10+48.473
SC = 11+33.473
CS = 15+45.079
ST = 16+30.079
V = 80 km/h
E = 7.80%

ROUTE 29
CONSTR. BL
PI = 161+84.794
DELTA = 38°31'43.7" LT.
T = 175.243
L = 130.359
R = 350.000
LSIN = 105.000
LSOUT = 105.000
TS = 160+09.551
SC = 161+14.551
CS = 162+44.910
ST = 163+49.910
V = 80 km/h
E = 7.00%



RAMP B
CONSTR. BL
PI = 18+89.997
DELTA = 36°33'26.2" RT.
T = 257.707
L = 172.207
R = 528.500
LSIN = 165.000
LSOUT = 165.000
TS = 16+32.289
SC = 17+97.287
CS = 19+69.496
ST = 21+34.496
V = 100 km/h
E = 7.80%

RAMP A
CONSTR. BL
PI = 25+35.770
DELTA = 36°33'26.2" RT.
TIN = 250.795
TOUT = 250.795
L = 158.808
R = 507.500
LSIN = 165.000
LSOUT = 165.000
TS = 22+84.976
SC = 24+49.976
CS = 26+08.783
ST = 27+73.783
V = 100 km/h
E = 7.48%



Notes:

C ____ Denotes Construction Limits in Cuts

F ____ Denotes Construction Limits in Fills

Denotes Temp. Filter Barrier Req'd

Denotes Temp. Silt Fence Req'd

19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd

31 Guardrail GR-2, Req'd

48 Median Barrier MB-7D, Req'd

66 Fence FE-CL, Req'd

69 Gate FE-CL L=4.0m Double Swing, Req'd

70 Fence FE-W1 Modified, Req'd

74 Metal Gate, type FE-G

75 Water Gate, FE-4, Ty II, Req'd

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Area of Proposed Pavement

Denotes Proposed Pavement Milling and Resurfacing

Denotes Demolition of Pavement

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

Route 29	7A
Ramp A	7B
Ramp B	7C
SWM Basin 7-1 Details	2T(8)
Drainage Descriptions	2S

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT (METRIC)

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PAT'SY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		7

LIMITED ACCESS HIGHWAY

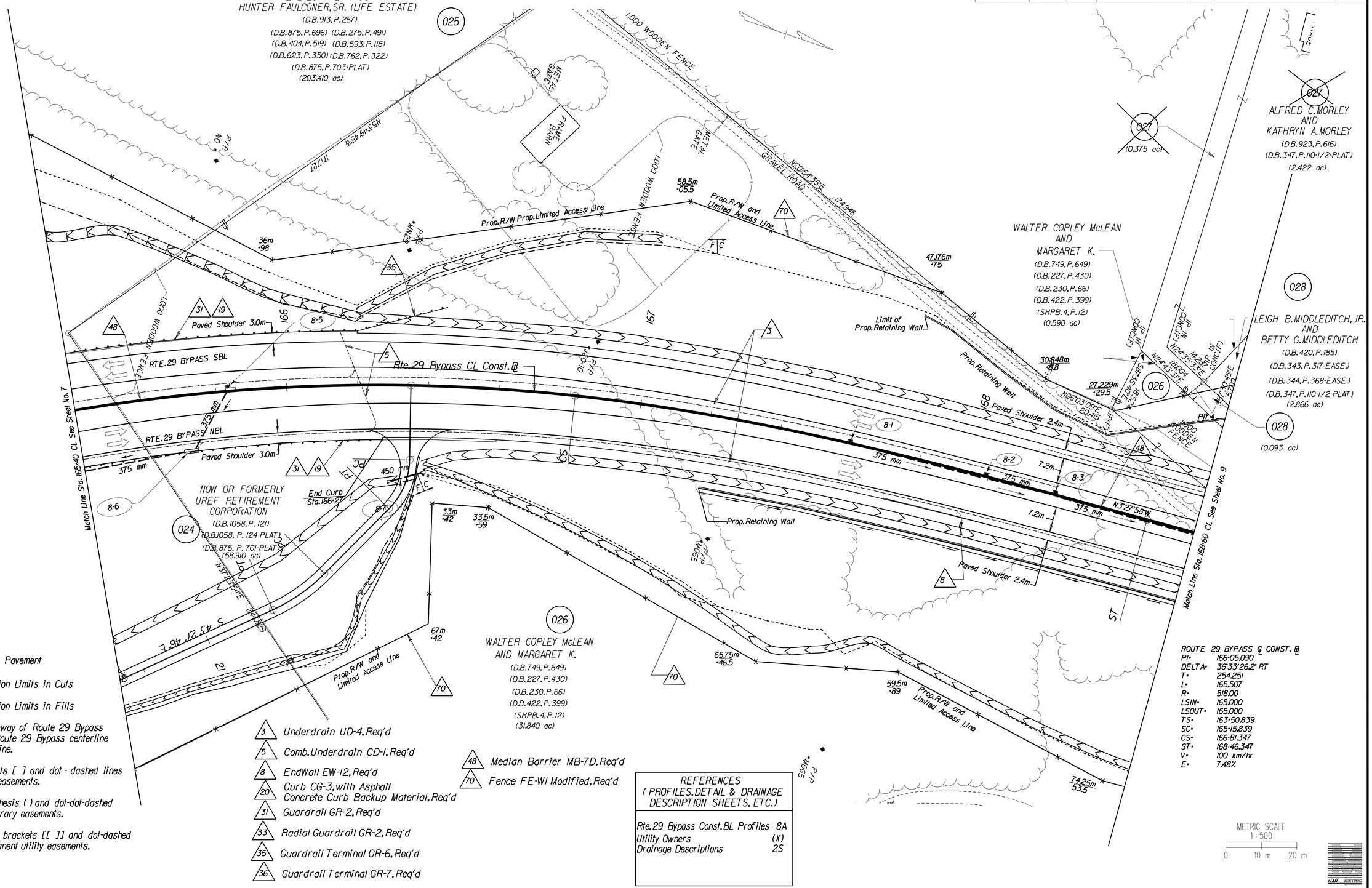
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 3-31-98 7-30-98 8-10-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	8

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

UTILITY OWNERS

Electric: Virginia Power



Notes:

Denotes Proposed Pavement

Denotes Construction Limits in Cuts

Denotes Construction Limits in Fills

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

- 3 Underdrain UD-4, Req'd
- 5 Comb. Underdrain CD-1, Req'd
- 8 EndWall EW-12, Req'd
- 20 Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
- 31 Guardrail GR-2, Req'd
- 33 Radial Guardrail GR-2, Req'd
- 35 Guardrail Terminal GR-6, Req'd
- 36 Guardrail Terminal GR-7, Req'd
- 48 Median Barrier MB-7D, Req'd
- 70 Fence FE-W1 Modified, Req'd

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

Rte. 29 Bypass Const. BL Profiles	8A
Utility Owners	(X)
Drainage Descriptions	2S

ROUTE 29 BYPASS ℄ CONST. ℄

PI=	166+05.090
DELTA=	36°33'26.2" RT
T=	254.251
L=	165.507
R=	518.00
LSIN=	165.000
LSOUT=	165.000
TS=	163+50.839
SC=	165+15.839
CS=	166+81.347
ST=	168+46.347
V=	100 km/hr
E=	7.48%

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT (METRIC)

SURVEYED BY: ROUSE-SUBINE, ASSOCIATES, LTD.
SUPERVISED BY: PAT'SY NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF, QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		8

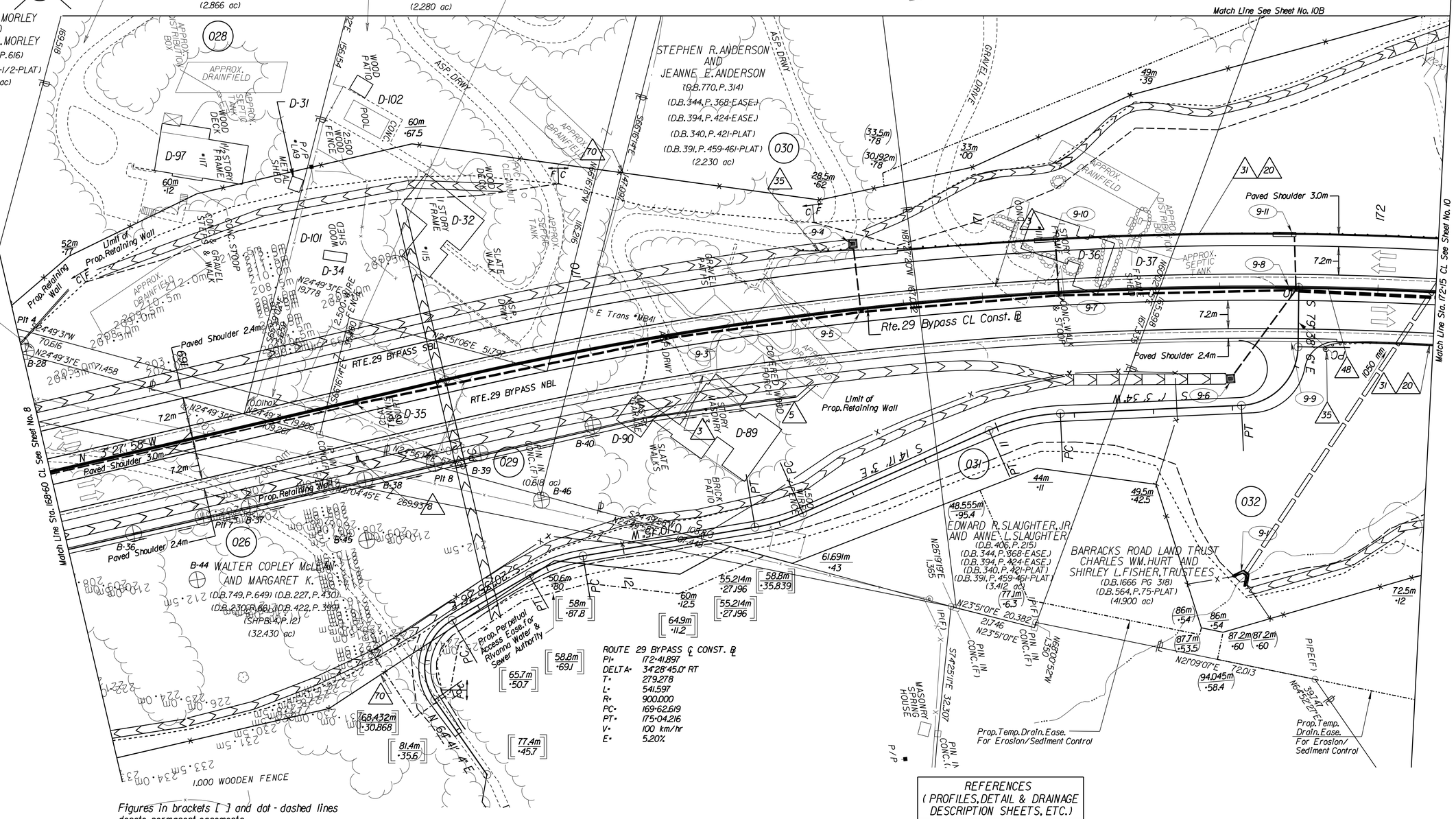
LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
12-9-98	9-9-97 3-31-98 7-30-98 8-4-98 11-19-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	9

UTILITY OWNERS
CATV: Adelphia Cable
Electric: Virginia Power
Telephone: Centel/Sprint
Telephone: MCI



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Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Notes:

- Denotes Proposed Pavement
- C ____ Denotes Construction Limits in Cuts
- F ___ Denotes Construction Limits in Fills

- 3 Underdrain UD-4, Req'd
- 5 Comb. Underdrain CD-1, Req'd
- 8 EndWall EW-12, Req'd
- 20 Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
- 31 Guardrail GR-2, Req'd
- 35 Guardrail Terminal GR-6, Req'd
- 48 Median Barrier MB-7D, Req'd
- 70 Fence FE-W1 Modified, Req'd

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

Rte. 29 Bypass Const. BL Profiles	9A
Utility Owners	(X)
Drainage Descriptions	XX

METRIC SCALE
1 : 500
0 10 m 20 m

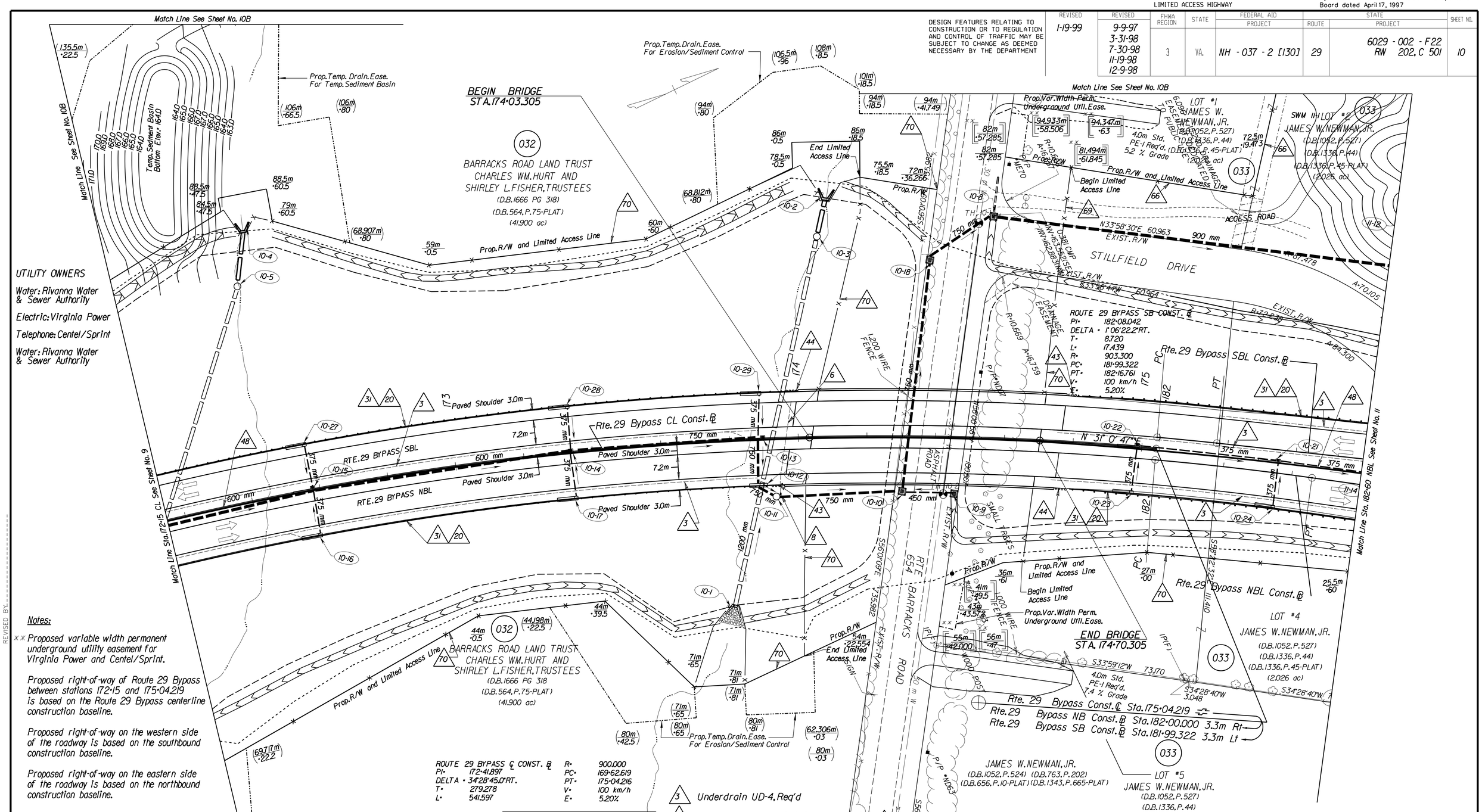
SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY:

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
1-19-99	9-9-97 3-31-98 7-30-98 11-19-98 12-9-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	10



UTILITY OWNERS

Water: Rivanna Water & Sewer Authority

Electric: Virginia Power

Telephone: Centel/Sprint

Water: Rivanna Water & Sewer Authority

Notes:

** Proposed variable width permanent underground utility easement for Virginia Power and Centel/Sprint.

Proposed right-of-way of Route 29 Bypass between stations 172+15 and 175+04.219 is based on the Route 29 Bypass centerline construction baseline.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

Denotes Proposed Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

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

Rte. 29 Bypass CL/NB Profiles	10A
Rte. 29 Bypass CL/SB Profiles	10B
Utility Owners	(X)
Drainage Descriptions	XX

3	Underdrain UD-4, Req'd
6	Comb. Underdrain CD-2, Req'd
8	EndWall EW-12, Req'd
20	Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
31	Guardrail GR-2, Req'd
35	Guardrail Terminal GR-6, Req'd
36	Guardrail Terminal GR-7, Req'd
43	Fixed Object Attach. GR-FOA-2 TY I, Req'd
44	Fixed Object Attach. GR-FOA-2 TY II, Req'd
48	Median Barrier MB-7D, Req'd
66	Fence FE-CL, Req'd
69	Gate FE-CL L=4.0m Double Swing, Req'd
70	Fence FE-WI Modified, Req'd

METRIC SCALE 1:500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PAT ST. NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		10

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 3-31-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	10B

Notes:

Proposed right-of-way of Route 29 Bypass between stations 172+15 and 175+04.219 is based on the Route 29 Bypass centerline construction baseline.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Denotes Proposed Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

66 Fence FE-CL, Req'd

70 Fence FE-WI Modified, Req'd

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

DAVID G. KALERGIS AND MARY M. KALERGIS
(D.B.967, P.1) (D.B.294, P.557)
(D.B.809, P.365) (D.B.619, P.298)
(D.B.1322, P.628-PLAT)
(D.B.967, P.4&5-PLAT)

LOT #1
JAMES W. NEWMAN, JR.
(D.B.1052, P.527)
(D.B.1336, P.44)
(D.B.1336, P.45-PLAT)
(2.027 ac)

LOT #2
JAMES W. NEWMAN, JR.
(D.B.1052, P.527)
(D.B.1336, P.44)
(D.B.1336, P.45-PLAT)
(2.027 ac)

LOT #3
JAMES W. NEWMAN, JR.
(D.B.1052, P.527)
(D.B.1336, P.44)
(D.B.1336, P.45-PLAT)
(2.596 ac)

Prop. R/W and Limited Access Line

Match Line See Sheet No. 10

Match Line See Sheet No. 11

BARRACKS ROAD LAND TRUST
CHARLES WM. HURT AND SHIRLEY L. FISHER, TRUSTEES
(D.B.1666 PG 318) (D.B.564, P.75-PLAT)
(41.900 ac)

Prop. Temp. Drain. Ease. For Temp. Sediment Basin

ALFRED C. MORLEY AND KATHRYN A. MORLEY
(D.B.923, P.616)
(D.B.347, P.110-1/2-PLAT)
(2.797 ac)

LEIGH B. MIDDLEDITCH, JR. AND BETTY G. MIDDLEDITCH
(D.B.420, P.185)
(D.B.343, P.317-EASE.)
(D.B.344, P.368-EASE.)
(D.B.347, P.110-1/2-PLAT)
(2.860 ac)

W. REED JOHNSON AND VIVIEN R. JOHNSON
(D.B.505, P.436)
(D.B.347, P.110-1/2-PLAT)
(2.280 ac)

STEPHEN R. ANDERSON AND JEANNE E. ANDERSON
(D.B.770, P.314) (D.B.391, P.459-461-PLAT)
(D.B.344, P.368-EASE.) (D.B.394, P.424-EASE.)
(D.B.340, P.421-PLAT) (2.230 ac)

EDWARD R. SLAUGHTER, JR. AND ANNE L. SLAUGHTER
(D.B.406, P.215) (D.B.344, P.368-EASE.)
(D.B.394, P.424-EASE.) (D.B.340, P.421-PLAT)
(D.B.391, P.459-461-PLAT)
(3.412 ac)

FALCON DRIVE

Match Line See Sheet No. 9

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILES$SPECIFICATIONS$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		10B

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

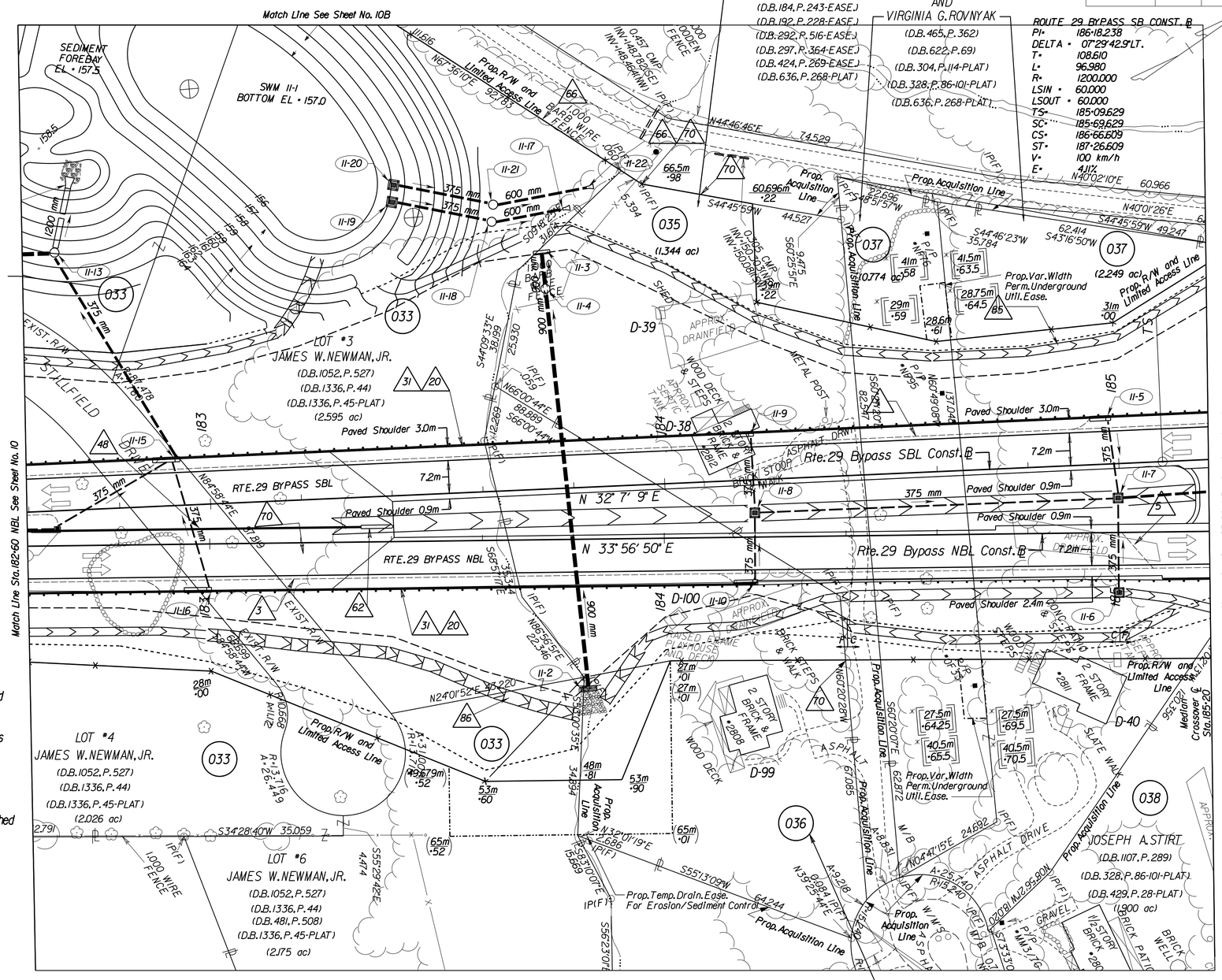
REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 12-10-97 2-27-98 3-31-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	11

UTILITY OWNERS

Electric: Virginia Power

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

ROUTE 29 BYPASS SB CONST. ⓑ
PI= 186+18.238
DELTA = 07°29'42.9"LT.
T= 108.610
L= 96.980
R= 1200.000
LSIN = 60.000
LSOUT = 60.000
TS= 185+09.629
SC= 185+69.629
CS= 186+66.609
ST= 187+26.609
V= 100 km/h
E= 4.1%
N40°02'10"E 60.966



* Proposed variable width permanent underground utility easement for Virginia Power.

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

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

Rte. 29 Bypass NB Profiles	IIA
Rte. 29 Bypass SB Profiles	IIB
Utility Owners	(X)
Drainage Descriptions	XX

3 Underdrain UD-4, Req'd
5 Comb. Underdrain CD-1, Req'd
20 Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
31 Guardrail GR-2, Req'd
48 Median Barrier MB-7D, Req'd
62 7 Bay Impact Attenuator, Req'd
66 Fence FE-CL, Req'd
70 Fence FE-WI Modified, Req'd

Denotes Proposed Pavement
C Denotes Construction Limits in Cuts
F Denotes Construction Limits in Fills

METRIC SCALE 1:500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$DESIGN$FILES$SPECIFICATIONS$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		11

LIMITED ACCESS HIGHWAY

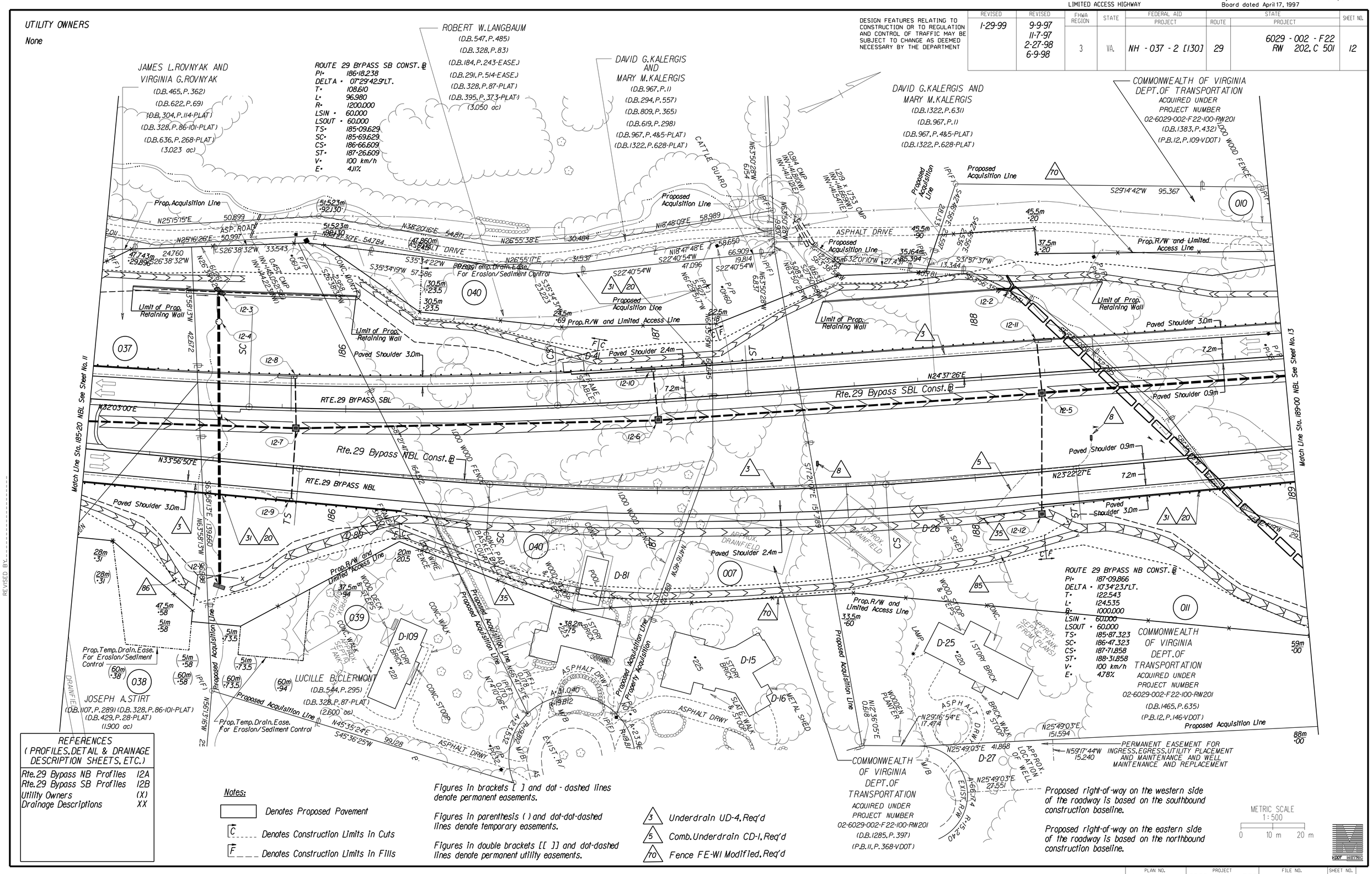
By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
1-29-99	9-9-97 11-7-97 2-27-98 6-9-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	12

UTILITY OWNERS

None



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profiles	12A
Rte. 29 Bypass SB Profiles	12B
Utility Owners	(X)
Drainage Descriptions	XX

Notes:

Denotes Proposed Pavement

C _ _ _ _ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

3 Underdrain UD-4, Req'd

5 Comb. Underdrain CD-1, Req'd

70 Fence FE-W1 Modified, Req'd

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

METRIC SCALE 1:500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 11-7-97	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	13

UTILITY OWNERS

Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI

Notes:

Denotes Proposed Pavement

Denotes Construction Limits in Cuts

Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

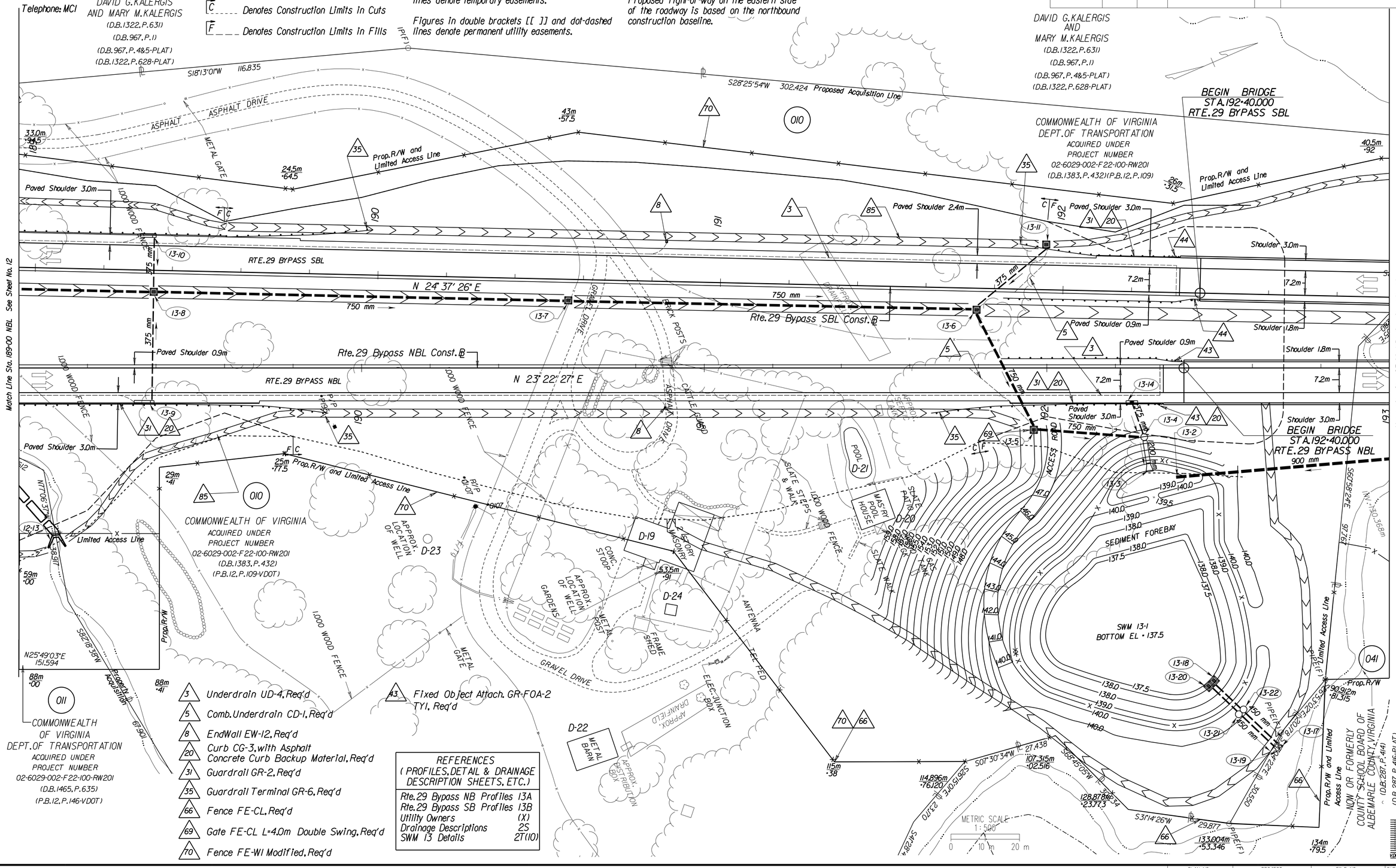
Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

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



3	Underdrain UD-4, Req'd
5	Comb. Underdrain CD-1, Req'd
8	EndWall EW-12, Req'd
20	Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
31	Guardrail GR-2, Req'd
35	Guardrail Terminal GR-6, Req'd
66	Fence FE-CL, Req'd
69	Gate FE-CL L=4.0m Double Swing, Req'd
70	Fence FE-WI Modified, Req'd
43	Fixed Object Attach. GR-FOA-2 TY1, Req'd

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

Rte.29 Bypass NB Profiles	13A
Rte.29 Bypass SB Profiles	13B
Utility Owners	(X)
Drainage Descriptions	2S
SWM 13 Details	2T(10)

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		13

LIMITED ACCESS HIGHWAY

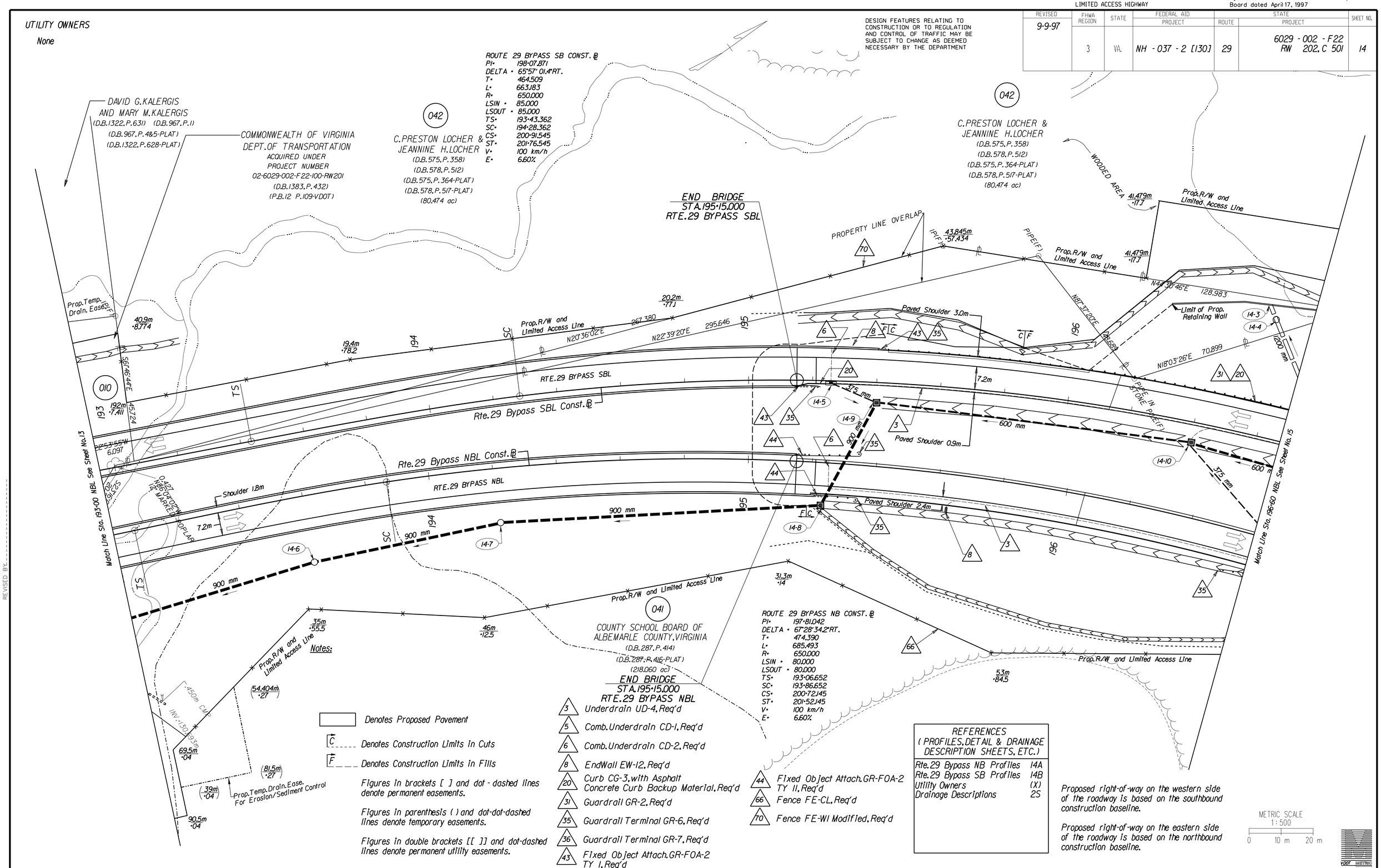
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-9-97	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	14

UTILITY OWNERS

None

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



SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY MAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$$FILES$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		14

LIMITED ACCESS HIGHWAY

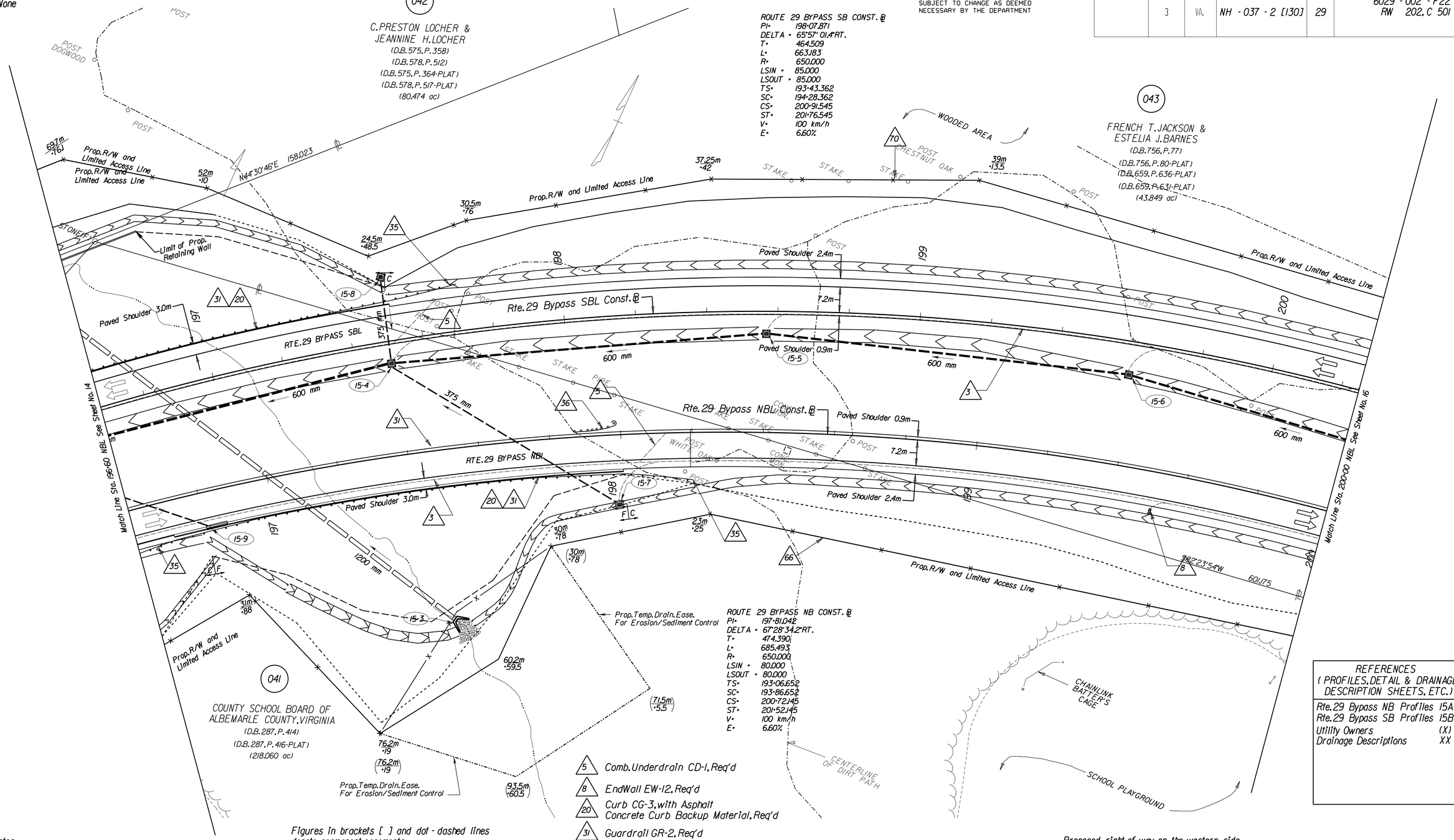
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	15

UTILITY OWNERS

None

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



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profiles	15A
Rte. 29 Bypass SB Profiles	15B
Utility Owners	(X)
Drainage Descriptions	XX

Notes:

- Denotes Proposed Pavement
- C Denotes Construction Limits In Cuts
- F Denotes Construction Limits In Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

- 5 Comb. Underdrain CD-1, Req'd
- 8 EndWall EW-12, Req'd
- 20 Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
- 31 Guardrail GR-2, Req'd
- 35 Guardrail Terminal GR-6, Req'd
- 36 Guardrail Terminal GR-7, Req'd
- 66 Fence FE-CL, Req'd
- 70 Fence FE-WI Modified, Req'd

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

METRIC SCALE 1:500
0 10 m 20 m

VDOT WHEITPRC

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR$$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		15

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 11-7-97 5-1-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	16

UTILITY OWNERS

None

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

ROUTE 29 BYPASS SB CONST. ℄
PI= 198+07.871
DELTA = 65°57' 01.4"RT.
T= 464.509
L= 663.183
R= 650.000
LSIN = 85.000
LSOUT = 85.000
TS= 193+43.362
SC= 194+28.362
CS= 200+91.545
ST= 201+76.545
V= 100 km/h
E= 6.60%

ROUTE 29 BYPASS SB CONST. ℄
PI= 203+67.197
DELTA = 17°59'36.0"LT.
T= 137.567
L= 103.426
R= 600.000
LSIN = 85.000
LSOUT = 85.000
TS= 202+29.630
SC= 203+14.630
CS= 204+18.056
ST= 205+03.056
V= 100 km/h
E= 6.94%

Prop. Temp. Drain. Ease. For Erosion/Sediment Control

ROUTE 29 BYPASS NB CONST. ℄
PI= 197+81.042
DELTA = 67°28'34.2"RT.
T= 474.390
L= 685.493
R= 650.000
LSIN = 80.000
LSOUT = 80.000
TS= 193+06.652
SC= 193+86.652
CS= 200+72.145
ST= 201+52.145
V= 100 km/h
E= 6.60%

ROUTE 29 BYPASS NB CONST. ℄
PI= 203+09.542
DELTA = 2°35'50.0"LT.
T= 145.397
L= 98.221
R= 512.600
LSIN = 95.000
LSOUT = 95.000
TS= 201+64.145
SC= 202+59.145
CS= 203+57.366
ST= 204+52.366
V= 100 km/h
E= 7.52%

043
FRENCH T. JACKSON & ESTELIA J. BARNES
(D.B. 756, P. 77)
(D.B. 756, P. 80-PLAT)
(D.B. 659, P. 636-PLAT)
(D.B. 659, P. 631-PLAT)
(43.849 ac)

044
MARK FRIEDLY
(D.B. 1808, P. 569)
(D.B. 352, P. 287-PLAT)
(8.06 ac)

045
ROBERT D. PERKINS, JR. AND KIMBERLY W. PERKINS
(D.B. 340, P. 110)
(D.B. 1350, P. 400)
(D.B. 247, P. 306-CEM.)
(D.B. 340, P. 113-PLAT)
(D.B. 1350, P. 402-PLAT)
(4.330 ac)

041
COUNTY SCHOOL BOARD OF ALBEMARLE COUNTY, VIRGINIA
(D.B. 287, P. 414)
(D.B. 287, P. 416-PLAT)
(218.060 ac)

Prop. R/W and Limited Access Line
Limit of Prop. Retaining Wall
Paved Shoulder 2.4m
Paved Shoulder 3.0m
Paved Shoulder 0.9m
RTE. 29 BYPASS SBL
RTE. 29 BYPASS NBL
Rte. 29 Bypass SBL Const. ℄
Rte. 29 Bypass NBL Const. ℄
S 89° 25' 33" E
S 89° 8' 59" E
Median Crossover @ Sta. 201+80
Proposed Acquisition Line
S78°07'51"W 105.779
N 34°18'48"E 17.183
N 28°38'20"W 128.587
N 60°32'11"E 198.965
N 37°36'49"W 101.920
Match Line Sta. 200+00 NBL See Sheet No. 15
Match Line Sta. 203+80 NBL See Sheet No. 17
STORY FRAME D-42
APPROX. SEPTIC TANK
PVC CLEANOUT
APPROX. DRAINFIELD
APPROX. LIMITS OF CEMETERY OF UNDETERMINED SIZE. (APPROX. 4 GRAVE SITES) (D.B. 247, P. 306)
CENTERLINE OF DIRT PATH
PIPE(F)

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

3	Underdrain UD-4, Req'd
5	Comb. Underdrain CD-1, Req'd
8	EndWall EW-12, Req'd
20	Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
31	Guardrail GR-2, Req'd
35	Guardrail Terminal GR-6, Req'd
70	Fence FE-W1 Modified, Req'd

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

Rte. 29 Bypass NB Profiles	16A
Rte. 29 Bypass SB Profiles	16B
Utility Owners	(X)
Drainage Descriptions	XX

Notes:

Denotes Proposed Pavement

Denotes Construction Limits In Cuts

Denotes Construction Limits In Fills

METRIC SCALE 1:500
0 10 m 20 m

VDOT SHEET 16

SURVEYED BY: ROUSE-SIRINE, ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF, QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		16

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
6-4-99 11-19-99	9-9-97 11-7-97 3-31-98 5-1-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	17

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

UTILITY OWNERS

CATV: Adelphia Cable

Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI

Note: Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

Proposed right-of-way of Lambs Road is based on Lambs Road construction baseline.

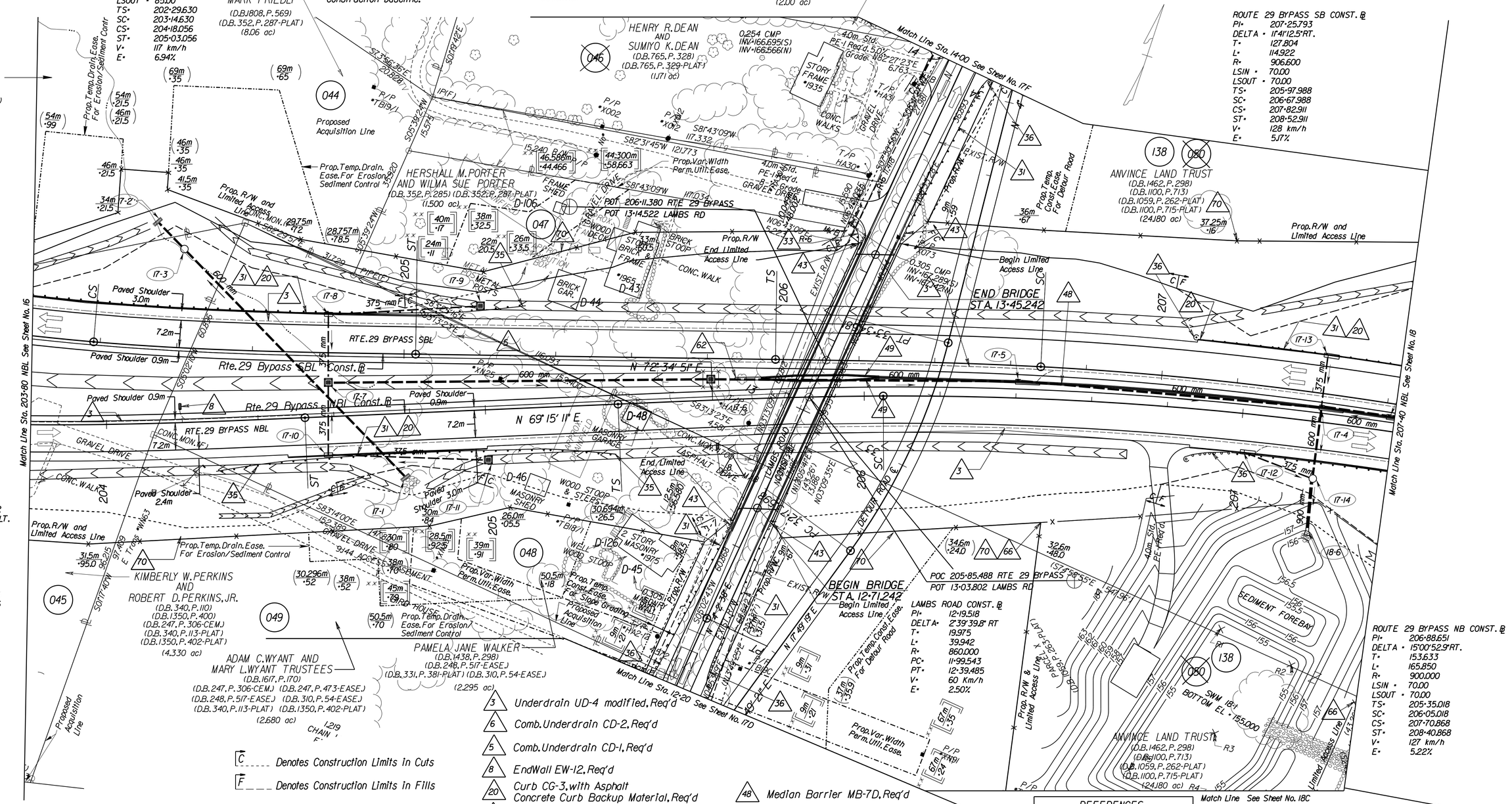
ROUTE 29 BYPASS SB CONST. ℄
PI= 203+67.97
DELTA = 17°59'36.0"LT.
T= 137.567
L= 103.426
R= 600.000
LSIN = 85.00
LSOUT = 85.00
TS= 202+29.630
SC= 203+14.630
CS= 204+18.056
ST= 205+03.056
V= 117 km/h
E= 6.94%

ROUTE 29 BYPASS SB CONST. ℄
PI= 207+25.793
DELTA = 11°41'12.5"RT.
T= 127.804
L= 114.922
R= 906.600
LSIN = 70.00
LSOUT = 70.00
TS= 205+97.988
SC= 206+67.988
CS= 207+82.911
ST= 208+52.911
V= 128 km/h
E= 5.17%

ROUTE 29 BYPASS NB CONST. ℄
PI= 203+09.542
DELTA = 21°35'50.0"LT.
T= 145.397
L= 98.221
R= 512.600
LSIN = 95.00
LSOUT = 95.00
TS= 201+64.145
SC= 202+59.145
CS= 203+57.366
ST= 204+52.366
V= 113 km/h
E= 7.52%

LAMBS ROAD CONST. ℄
PI= 12+19.518
DELTA= 2°39'39.8" RT
T= 19.975
L= 39.942
R= 860.000
PC= 11+99.543
PT= 12+39.485
V= 60 Km/h
E= 2.50%

ROUTE 29 BYPASS NB CONST. ℄
PI= 206+88.651
DELTA = 15°00'52.9"RT.
T= 153.633
L= 165.850
R= 900.000
LSIN = 70.00
LSOUT = 70.00
TS= 205+35.018
SC= 206+05.018
CS= 207+70.868
ST= 208+40.868
V= 127 km/h
E= 5.22%



3	Underdrain UD-4 modified, Req'd
6	Comb. Underdrain CD-2, Req'd
5	Comb. Underdrain CD-1, Req'd
8	EndWall EW-12, Req'd
20	Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
31	Guardrail GR-2, Req'd
33	Radial Guardrail GR-2, Req'd
35	Guardrail Terminal GR-6, Req'd
36	Guardrail Terminal GR-7, Req'd
43	Fixed Object Attach. GR-FOA-2 TY 1, Req'd
48	Median Barrier MB-7D, Req'd
49	Median Barrier MB-7E, Req'd
62	7 Bay Impact Attenuator, Req'd
69	Gate FE-CL L=4.0m Double Swing, Req'd
70	Fence FE-W1 Modified, Req'd

[C] ____ Denotes Construction Limits in Cuts

[F] ____ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

** Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

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

Rte. 29 Bypass NB Profile	17A
Rte. 29 Bypass SB Profile	17B
Lambs Road Profile	17C
Private Entrance Profile	37
Lambs Rd Temporary Detour	(X)
Utility Owners	(X)
Drainage Descriptions	XX

METRIC SCALE
1:500
0 10 m 20 m

VDOT SHEETREC

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

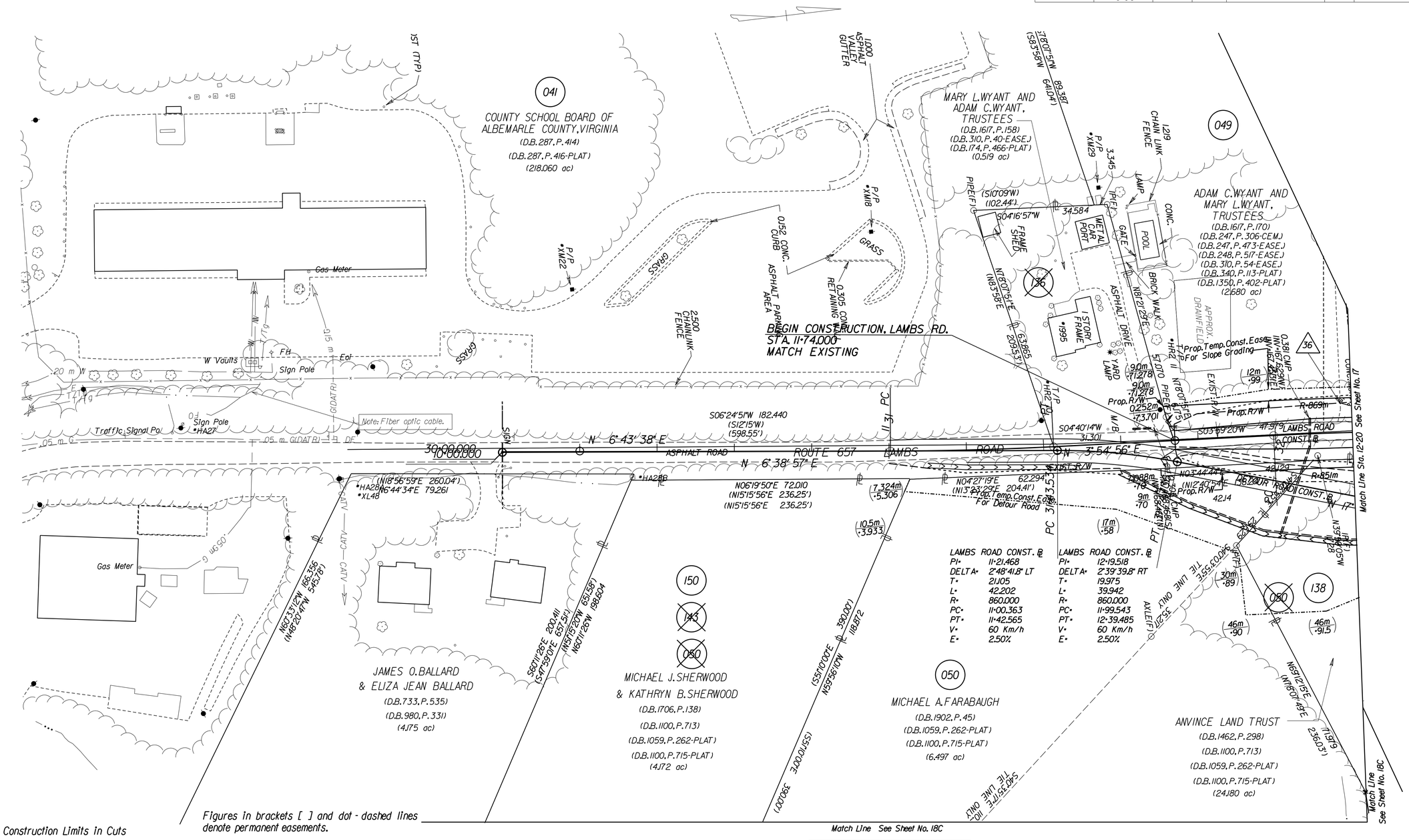
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		17

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
6-4-99 11-19-99	9-9-97 10-8-97 11-7-97 10-12-98 11-10-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	17D



Notes:

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Denotes Area of Proposed Pavement

Denotes Demolition of Pavement

Denotes Area of Milling and Resurfacing

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way of Lambs Road is based on Lambs Road construction baseline.

31 Denotes Std. GR-2 Guardrail Req'd.

36 Denotes Std. GR-7 Terminal Treatment Req'd.

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

Lambs Road Profile	17E
Entrance Profiles	37

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		17D

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 10-8-97 11-7-97	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	17F

UTILITY OWNERS

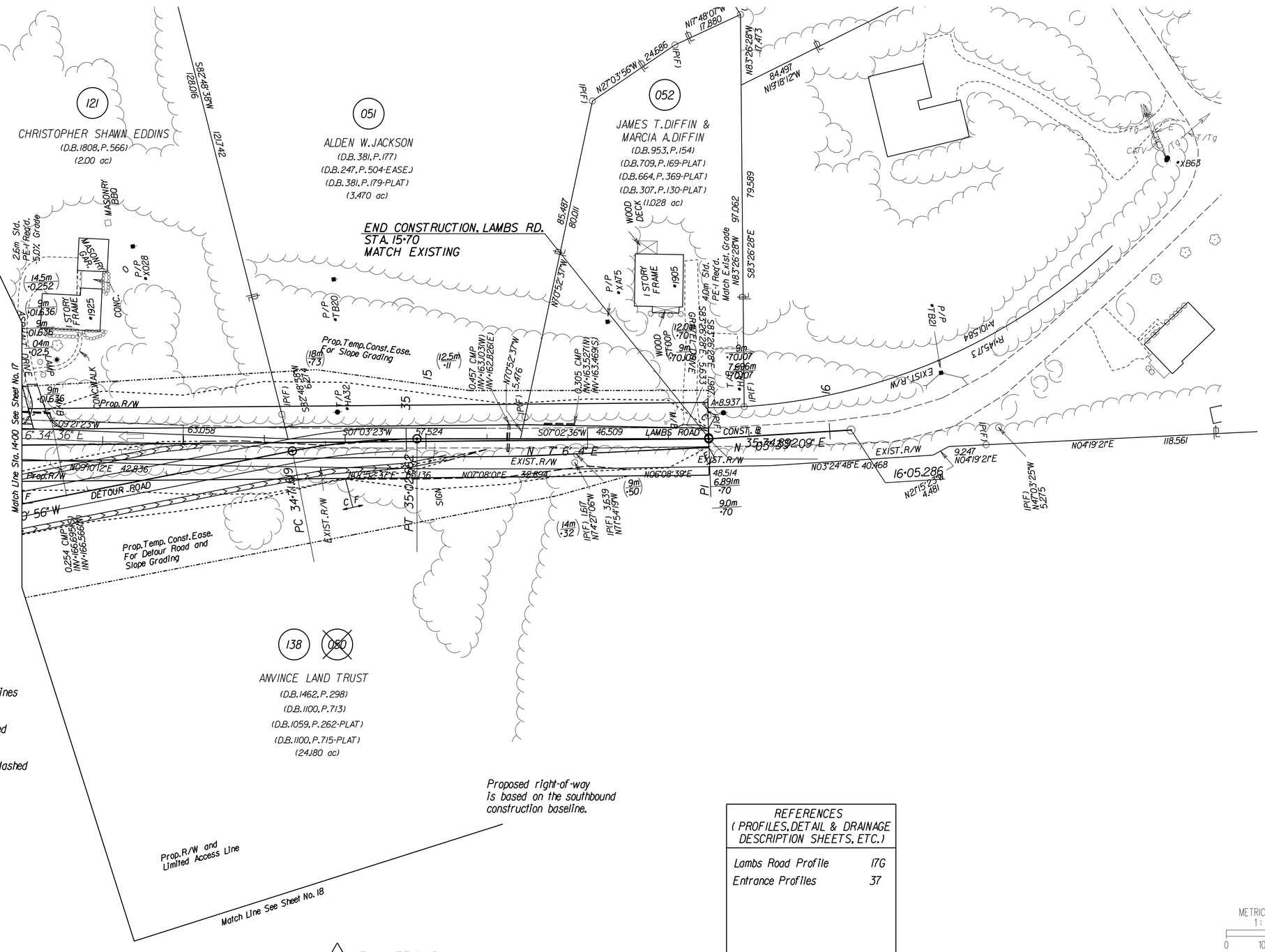
CATV: Adelphia Cable

Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI

Gas:



Notes:

C _____ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

Denotes Area of Proposed Pavement

Denotes Demolition of Pavement

Denotes Area of Milling and Resurfacing

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way of Lambs Road is based on the Lambs Road construction baseline.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Lambs Road Profile	17G
Entrance Profiles	37

METRIC SCALE 1:500

0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

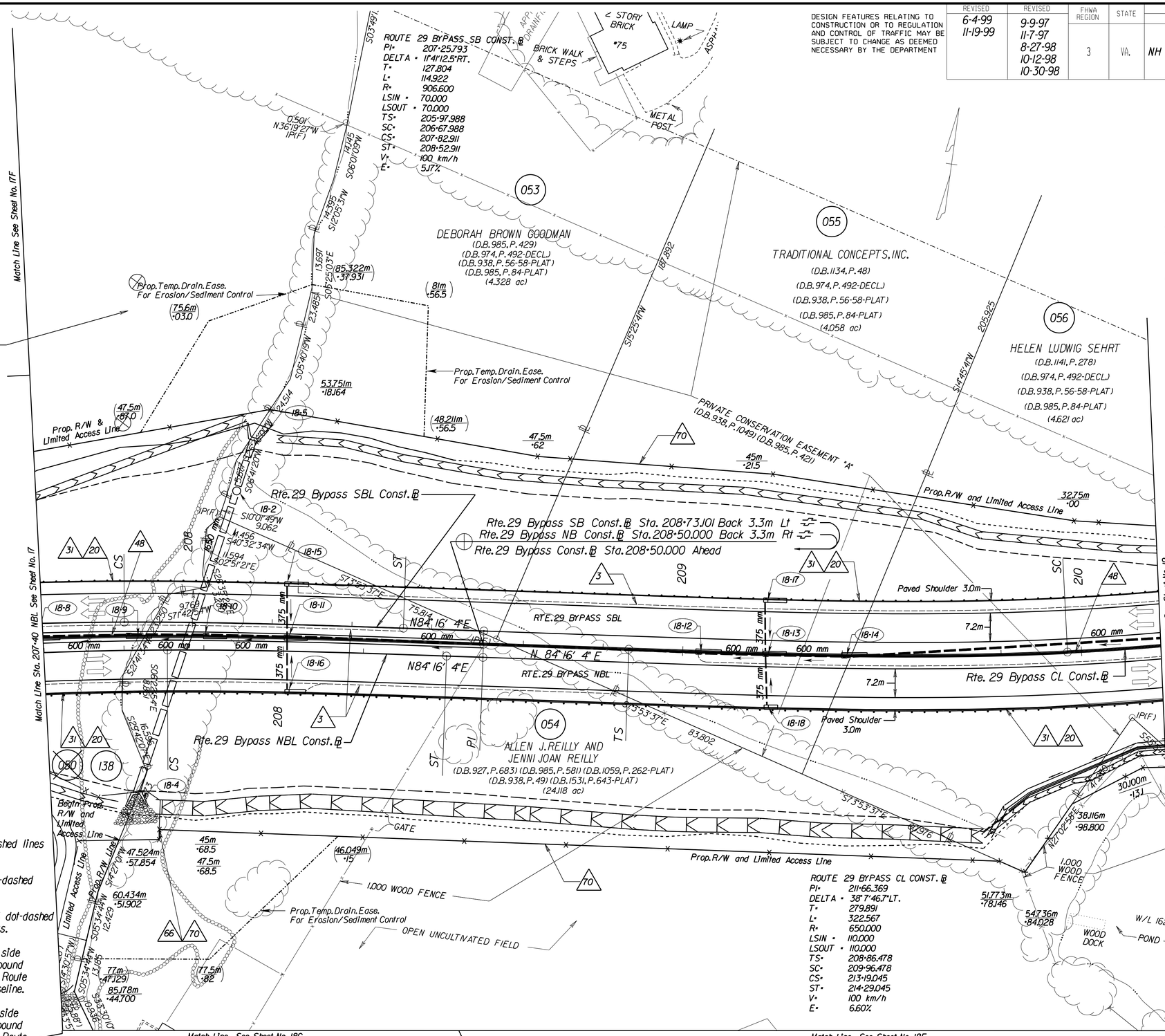
By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
6-4-99 11-19-99	9-9-97 11-7-97 8-27-98 10-12-98 10-30-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	18

UTILITY OWNERS

None



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline or based on the Route 29 Bypass centerline construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline or based on the Route 29 Bypass centerline construction baseline.

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

Rte. 29 Bypass Const. ℄ Profiles	18A & 18B
Utility Owners	(X)
Drainage Descriptions	XX

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PAT'SY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE&SPECIFICATION$$$$$$$$
REVISED BY

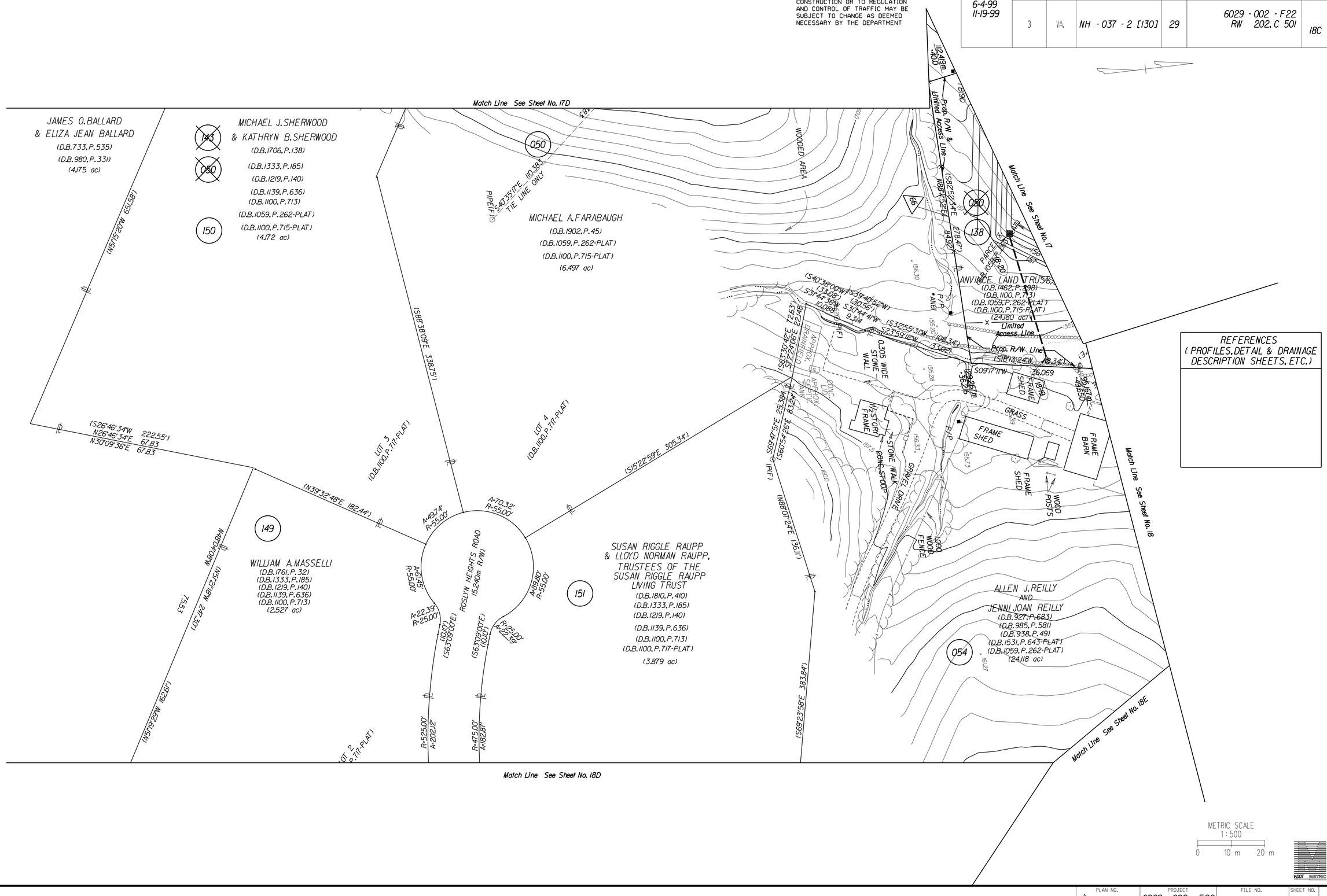
LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
6-4-99 11-19-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	18C

UTILITY OWNERS

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



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

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY WAPPER (804) 786-2366
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$$DESIGN$FILES$SPECIFICATIONS$$$$$$$
REVISED BY

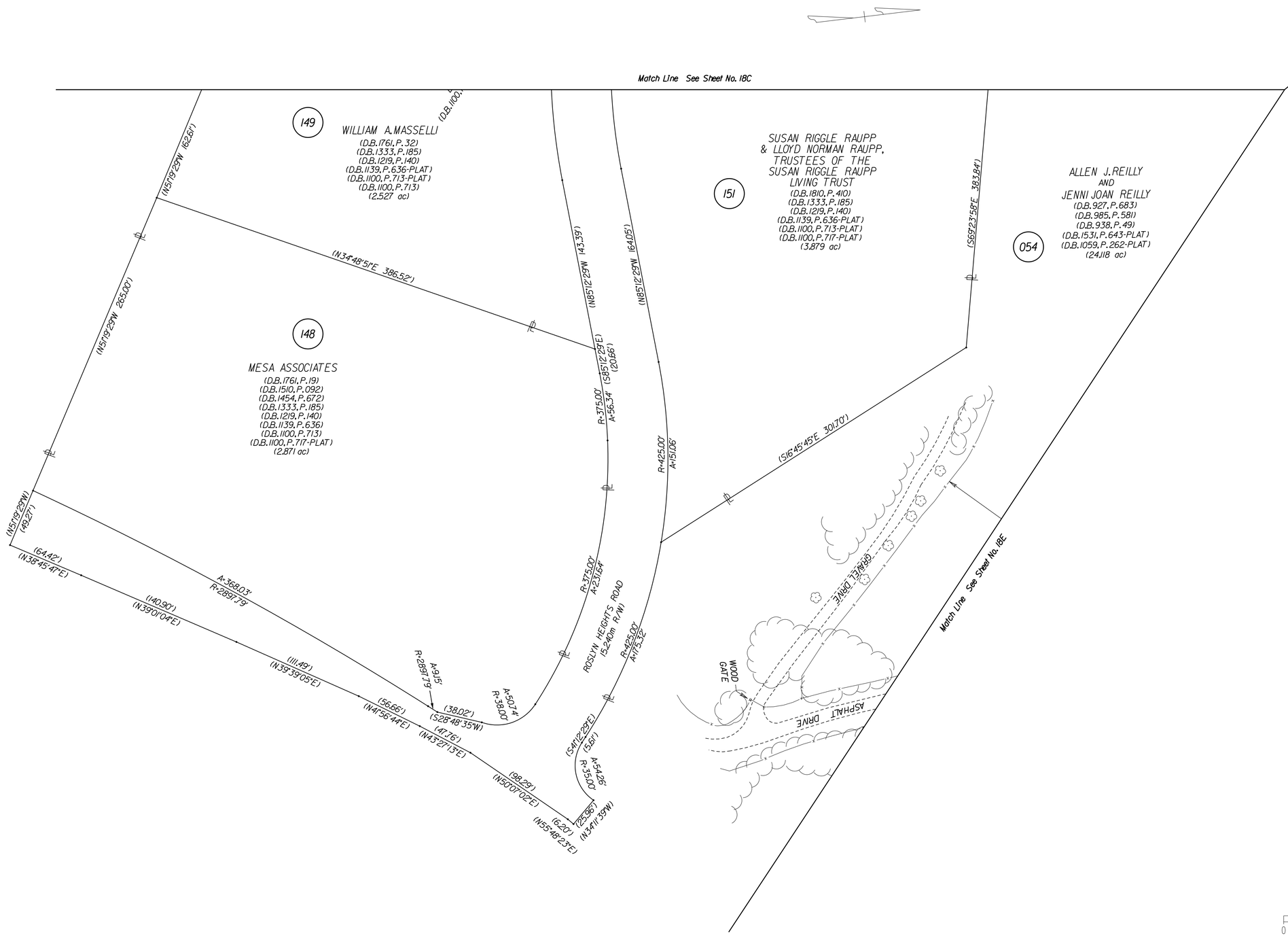
LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
6-4-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	18D

UTILITY OWNERS

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



METRIC SCALE
1 : 500
0 10 m 20 m

VDOT METRIC

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2366
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY: _____

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		18D

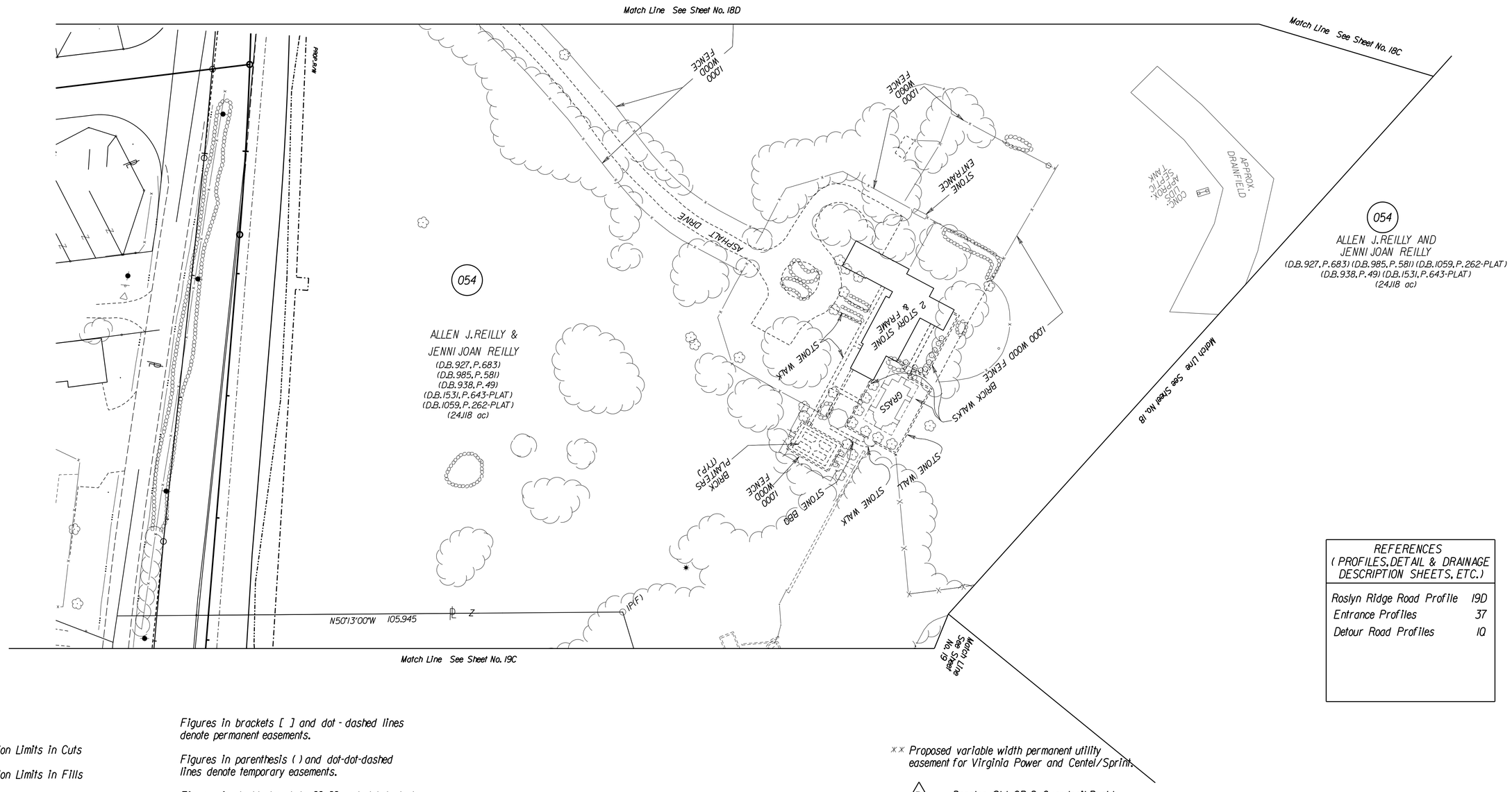
LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
6/4/99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	18E

UTILITY OWNERS

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



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Roslyn Ridge Road Profile	19D
Entrance Profiles	37
Detour Road Profiles	10

Notes:

C _ _ _ _ Denotes Construction Limits in Cuts

F _ _ _ _ Denotes Construction Limits in Fills

Denotes Area of Proposed Pavement

Denotes Demolition of Pavement

Denotes Area of Milling and Resurfacing

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way of Roslyn Ridge Road is based on Roslyn Ridge Road construction baseline.

** Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

31 Denotes Std. GR-2 Guardrail Req'd.

36 Denotes Std. GR-7 Terminal Treatment Req'd.

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT METRIC

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$
REVISED BY: _____

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
10-30-98 4-30-99 6-4-99 12-3-99	9-9-97 3-31-98 8-27-98 10-12-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	19

UTILITY OWNERS

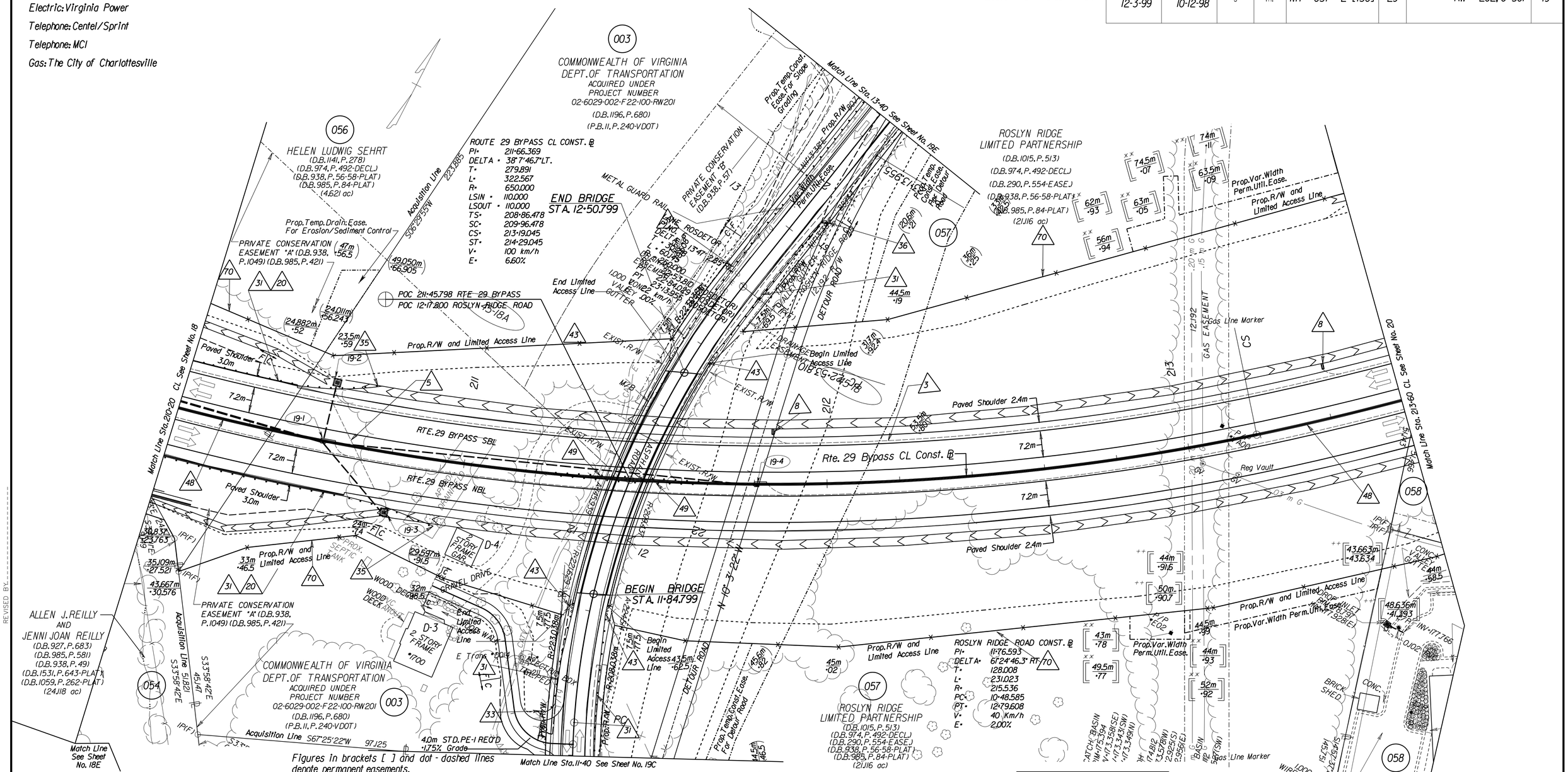
CATV: Adelphia Cable

Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI

Gas: The City of Charlottesville



Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Proposed right-of-way of Roslyn Ridge Road is based on Roslyn Ridge Road construction baseline.

Notes:

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C _ _ _ _ Denotes Construction Limits in Cuts
- F _ _ _ _ Denotes Construction Limits in Fills

- 5 Comb. Underdrain CD-1, Req'd
- 8 EndWall EW-12, Req'd
- 20 Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
- 31 Guardrail GR-2, Req'd
- 33 Radial Guardrail GR-2, Req'd
- 35 Guardrail Terminal GR-6, Req'd
- 36 Guardrail Terminal GR-7, Req'd
- 43 Fixed Object Attach. GR-FOA-2 TY 1, Req'd
- 48 Median Barrier MB-7D, Req'd
- 49 Median Barrier MB-7E, Req'd
- 70 Fence FE-W1 Modified, Req'd

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

Route 29 Bypass Profiles	19A
Roslyn Ridge Rd Profile	19B
Private Entrance Profile	37
Roslyn Temporary Detour	4V
Utility Owners	(X)
Drainage Descriptions	XX

xx Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

++ Proposed variable width permanent utility easement for City of Charlottesville Department of Gas

METRIC SCALE
1:500
0 10 m 20 m

VDOT SHEETPRC

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		19

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

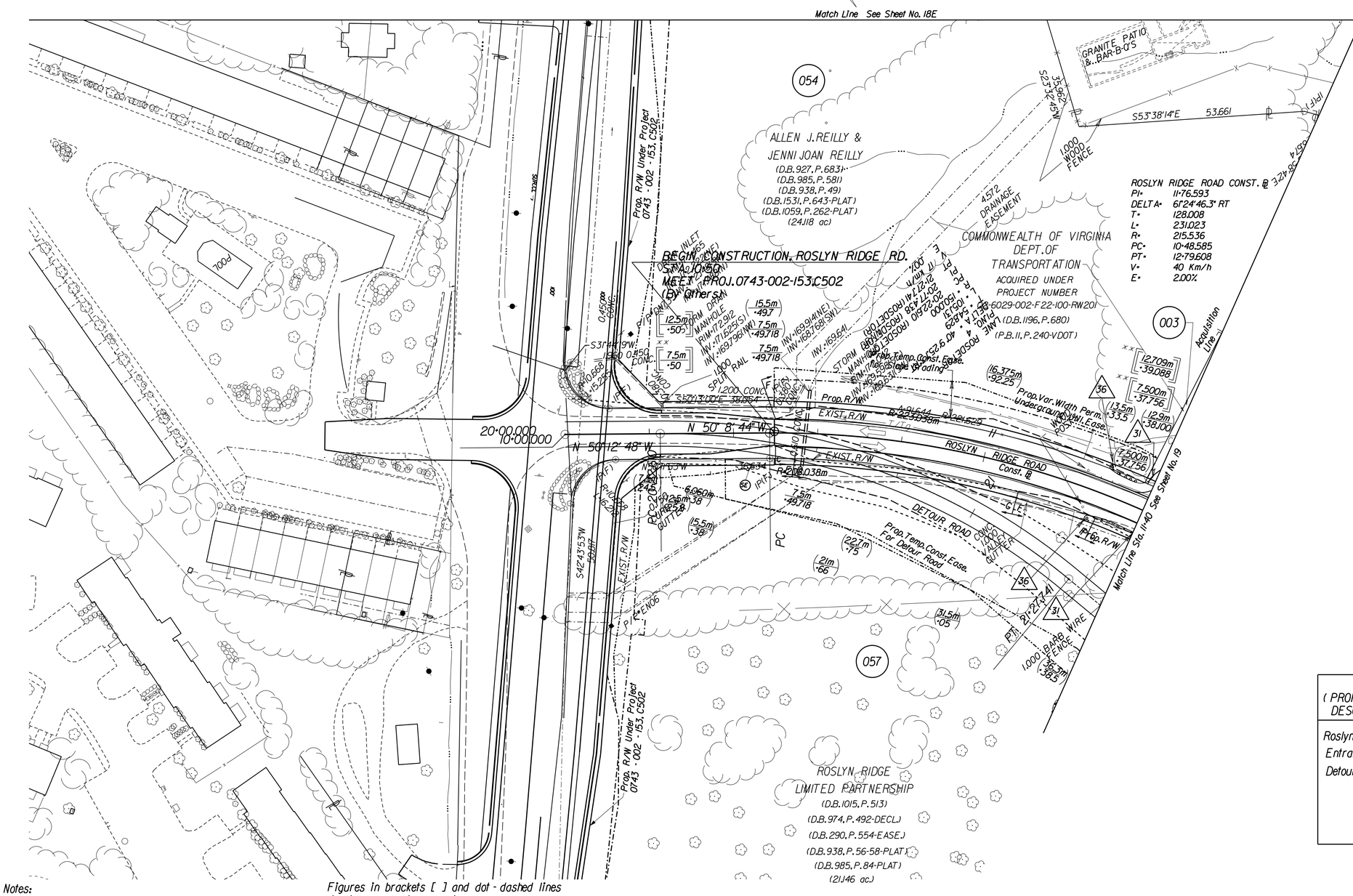
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 3-31-98 10-30-98 6-4-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	19C

UTILITY OWNERS

None

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



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Roslyn Ridge Road Profile	19D
Entrance Profiles	37
Detour Road Profiles	10

Notes:

C ____ Denotes Construction Limits in Cuts

F ____ Denotes Construction Limits in Fills

Denotes Area of Proposed Pavement

Denotes Demolition of Pavement

Denotes Area of Milling and Resurfacing

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way of Roslyn Ridge Road is based on Roslyn Ridge Road construction baseline.

xx Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

31 Denotes Std. GR-2 Guardrail Req'd.

36 Denotes Std. GR-7 Terminal Treatment Req'd.

METRIC SCALE 1:500

0 10 m 20 m

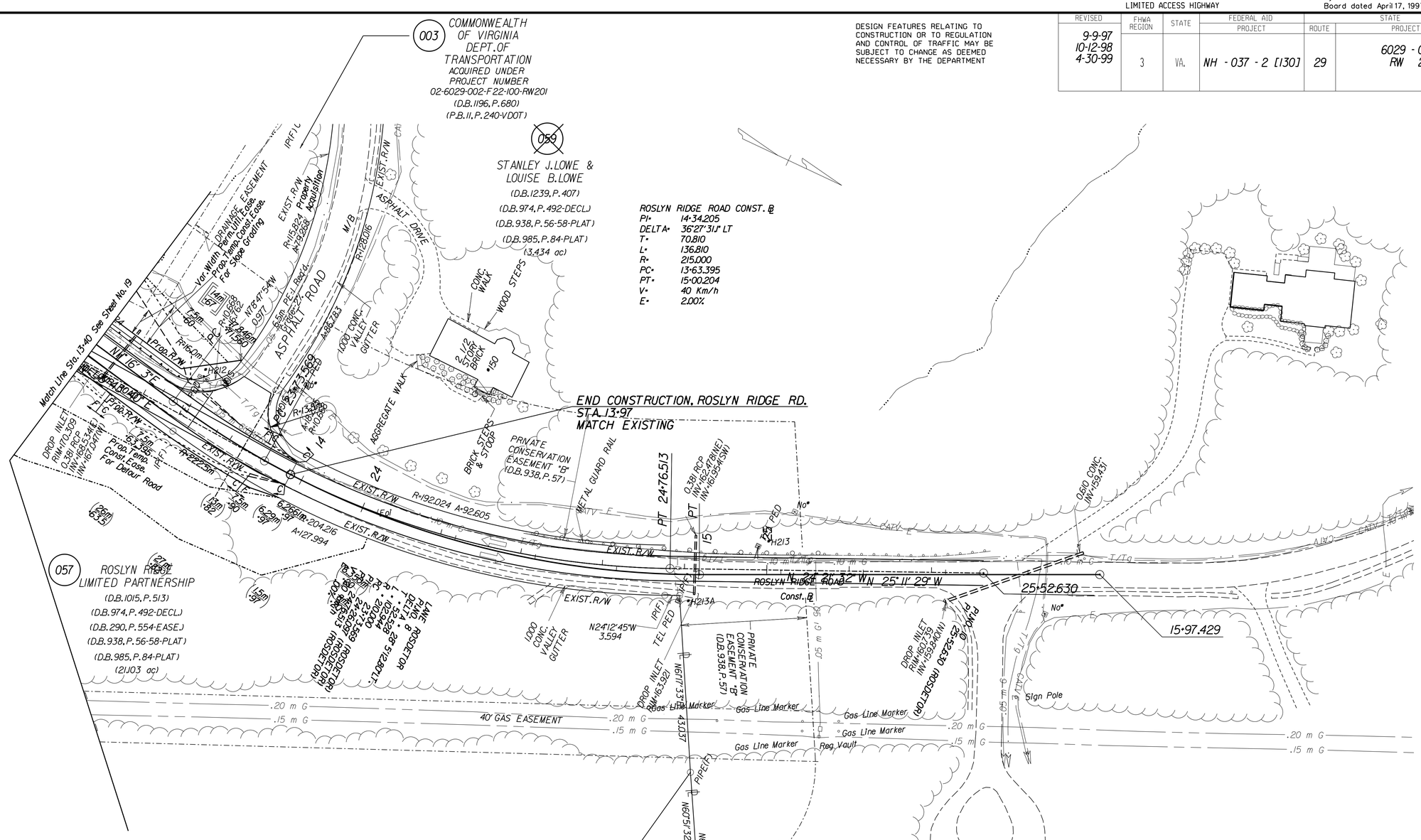
SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY: _____

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 10-12-98 4-30-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	19E

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



Notes:

- C ____ Denotes Construction Limits in Cuts
- F ___ Denotes Construction Limits in Fills
- Denotes Area of Proposed Pavement
- Denotes Demolition of Pavement
- Denotes Area of Milling, Resurfacing and Widening

Proposed right-of-way of Roslyn Ridge Road is based on Roslyn Ridge Road construction baseline.

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Roslyn Ridge Road Profile	19F
Entrance Profiles	36
Detour Road Profiles	1R

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		19E

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
7-30-98 8-27-98 9-4-98	9-9-97 10-8-97 3-31-98 5-1-98 6-12-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	20

UTILITY OWNERS

Water: Rivanna Water & Sewer Authority
CATV: Adelphia Cable
Electric: Virginia Power
Telephone: Centel/Sprint
Telephone: MCI
Gas: City of Charlottesville

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

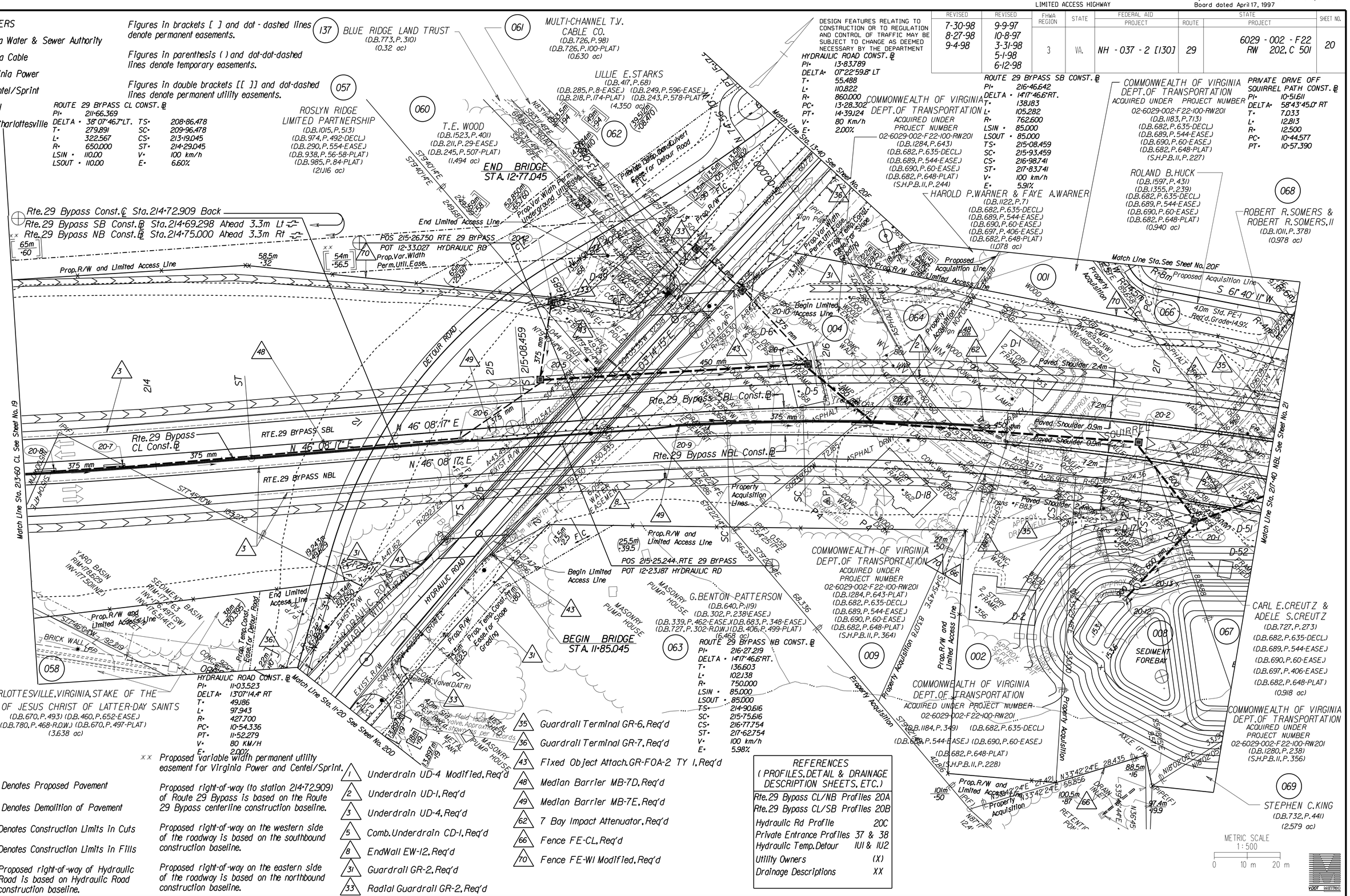
ROUTE 29 BYPASS CL CONST. ℄
PI= 211+66.369
DELTA = 38°07'46.7" LT.
T= 279.891
L= 322.567
R= 650.000
LSIN = 110.00
LSOUT = 110.00
TS= 208+86.478
SC= 209+96.478
CS= 213+19.045
ST= 214+29.045
V= 100 km/h
E= 6.60%

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

HYDRAULIC ROAD CONST. ℄
PI= 13+83.789
DELTA= 07°22'59.8" LT
T= 55.488
L= 110.822
R= 860.000
PC= 13+28.302
PT= 14+39.124
V= 80 Km/h
E= 2.00%

ROUTE 29 BYPASS SB CONST. ℄
PI= 216+46.642
DELTA = 14°17'46.6" RT.
T= 138.183
L= 105.282
R= 762.600
LSIN = 85.000
LSOUT = 85.000
TS= 215+08.459
SC= 215+93.459
CS= 216+98.741
ST= 217+83.741
V= 100 km/h
E= 5.91%

PRIVATE DRIVE OFF SQUIRREL PATH CONST. ℄
PI= 10+51.611
DELTA= 58°43'45.0" RT
T= 7.033
L= 12.813
R= 12.500
PC= 10+44.577
PT= 10+57.390



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

Denotes Construction Limits In Cuts

Denotes Construction Limits In Fills

Proposed right-of-way of Hydraulic Road is based on Hydraulic Road construction baseline.

xx Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

Proposed right-of-way (to station 214+72.909) of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

1 Underdrain UD-4 Modified, Req'd
2 Underdrain UD-1, Req'd
3 Underdrain UD-4, Req'd
5 Comb. Underdrain CD-1, Req'd
8 EndWall EW-12, Req'd
31 Guardrail GR-2, Req'd
33 Radial Guardrail GR-2, Req'd
35 Guardrail Terminal GR-6, Req'd
36 Guardrail Terminal GR-7, Req'd
43 Fixed Object Attach. GR-FOA-2 TY 1, Req'd
48 Median Barrier MB-7D, Req'd
49 Median Barrier MB-7E, Req'd
62 7 Bay Impact Attenuator, Req'd
66 Fence FE-CL, Req'd
70 Fence FE-WI Modified, Req'd

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

Rte. 29 Bypass CL/NB Profiles	20A
Rte. 29 Bypass CL/SB Profiles	20B
Hydraulic Rd Profile	20C
Private Entrance Profiles	37 & 38
Hydraulic Temp. Detour	IU1 & IU2
Utility Owners	(X)
Drainage Descriptions	XX

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		20

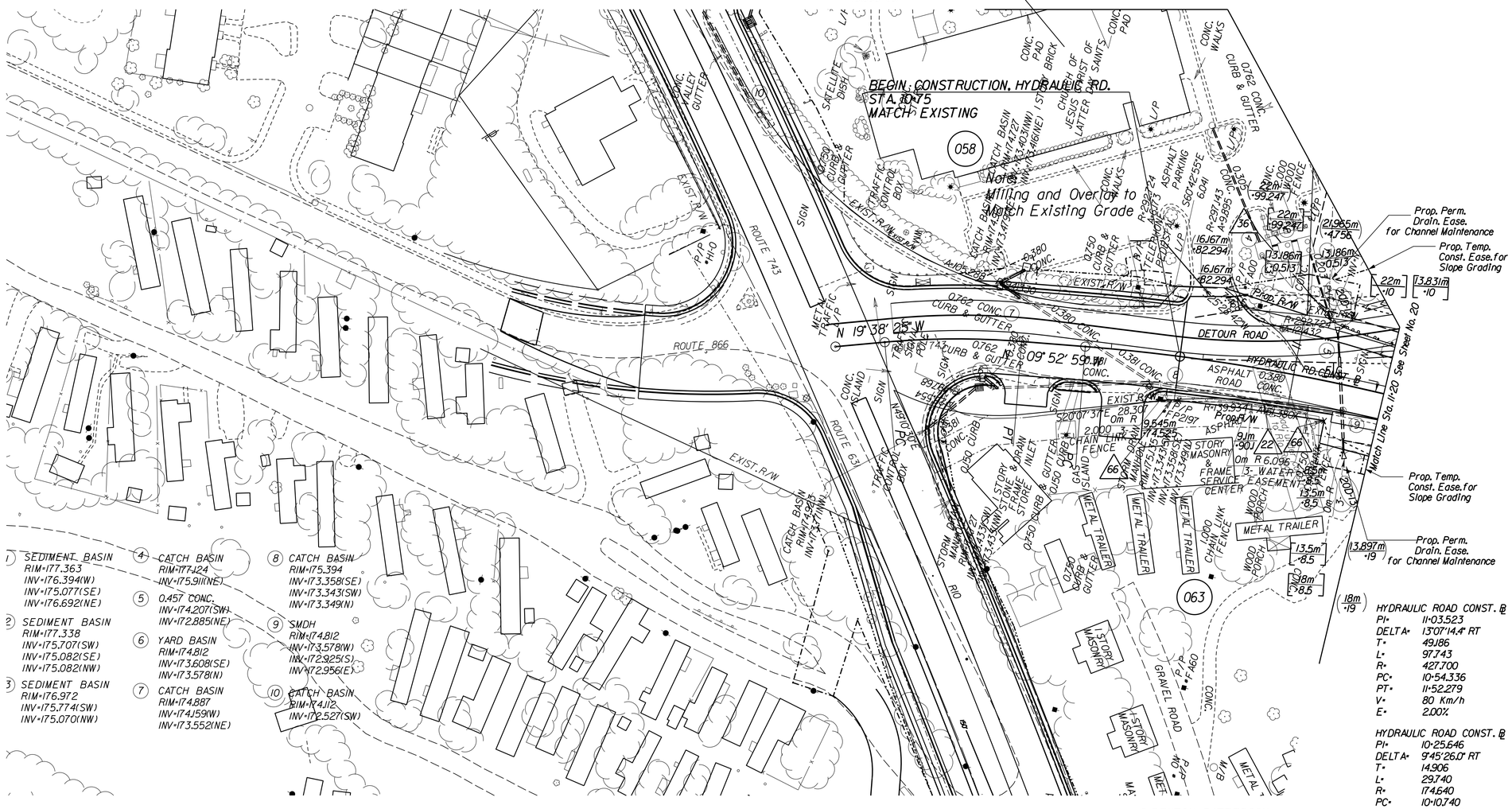
LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 10-8-97 6-12-98 8-27-98 11-10-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	20D

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

CHARLOTTESVILLE VIRGINIA STAKE OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS
(D.B. 467, P. 570)
(D.B. 780, P. 468)
(D.B. 241, P. 429-EASE.)
(D.B. 302, P. 234-EASE.)
(D.B. 467, P. 573-PLAT)
(3.638 ac)



1) SEDIMENT BASIN
RIM=177.363
INV=176.394(W)
INV=175.077(SE)
INV=176.692(NE)

2) SEDIMENT BASIN
RIM=177.338
INV=175.707(SW)
INV=175.082(SE)
INV=175.082(NW)

3) SEDIMENT BASIN
RIM=176.972
INV=175.774(SW)
INV=175.070(NW)

4) CATCH BASIN
RIM=177.124
INV=175.911(NE)

5) 0.457 CONC.
INV=174.207(SW)
INV=172.885(NE)

6) YARD BASIN
RIM=174.812
INV=173.608(SE)
INV=173.578(N)

7) CATCH BASIN
RIM=174.887
INV=174.159(W)
INV=173.552(NE)

8) CATCH BASIN
RIM=175.394
INV=173.358(SE)
INV=173.343(SW)
INV=173.349(N)

9) SMDH
RIM=174.812
INV=173.578(W)
INV=172.925(S)
INV=172.956(E)

10) CATCH BASIN
RIM=174.112
INV=172.527(SW)

HYDRAULIC ROAD CONST. ℄
PI= 11+03.523
DELTA= 13°07'14.4" RT
T= 49.186
L= 97.743
R= 427.700
PC= 10+54.336
PT= 11+52.279
V= 80 Km/h
E= 2.00%

HYDRAULIC ROAD CONST. ℄
PI= 10+25.646
DELTA= 9°45'26.0" RT
T= 14.906
L= 29.740
R= 174.640
PC= 10+10.740
PT= 10+40.480
V= 80 Km/h
E= Match Existing

G. BENTON PATTERSON
(D.B. 640, P. 119)
(D.B. 302, P. 238-EASE.)
(D.B. 339, P. 462-EASE.)
(D.B. 683, P. 348-EASE.)
(D.B. 727, P. 302-R.O.W.)
(D.B. 406, P. 499-PLAT)
(6.468 ac)

Notes:

[C ____ Denotes Construction Limits in Cuts

[F ____ Denotes Construction Limits in Fills

22 Denotes Std. Combination Curb and Gutter CG-6 Req'd.

27 Denotes Std. Curb CG-2 Req'd.

36 Denotes Std. GR-7 Terminal Treatment Req'd.

66 Fence FE-CL, Req'd

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way of Hydraulic Road is based on Hydraulic Road construction baseline.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Hydraulic Road Profile	20E
Entrance Profiles	37
Detour Road Profiles	15

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2366
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		20D

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 10-8-97 3-31-98 5-1-98 9-4-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	20F

UTILITY OWNERS

Water: Rivanna Water & Sewer Authority

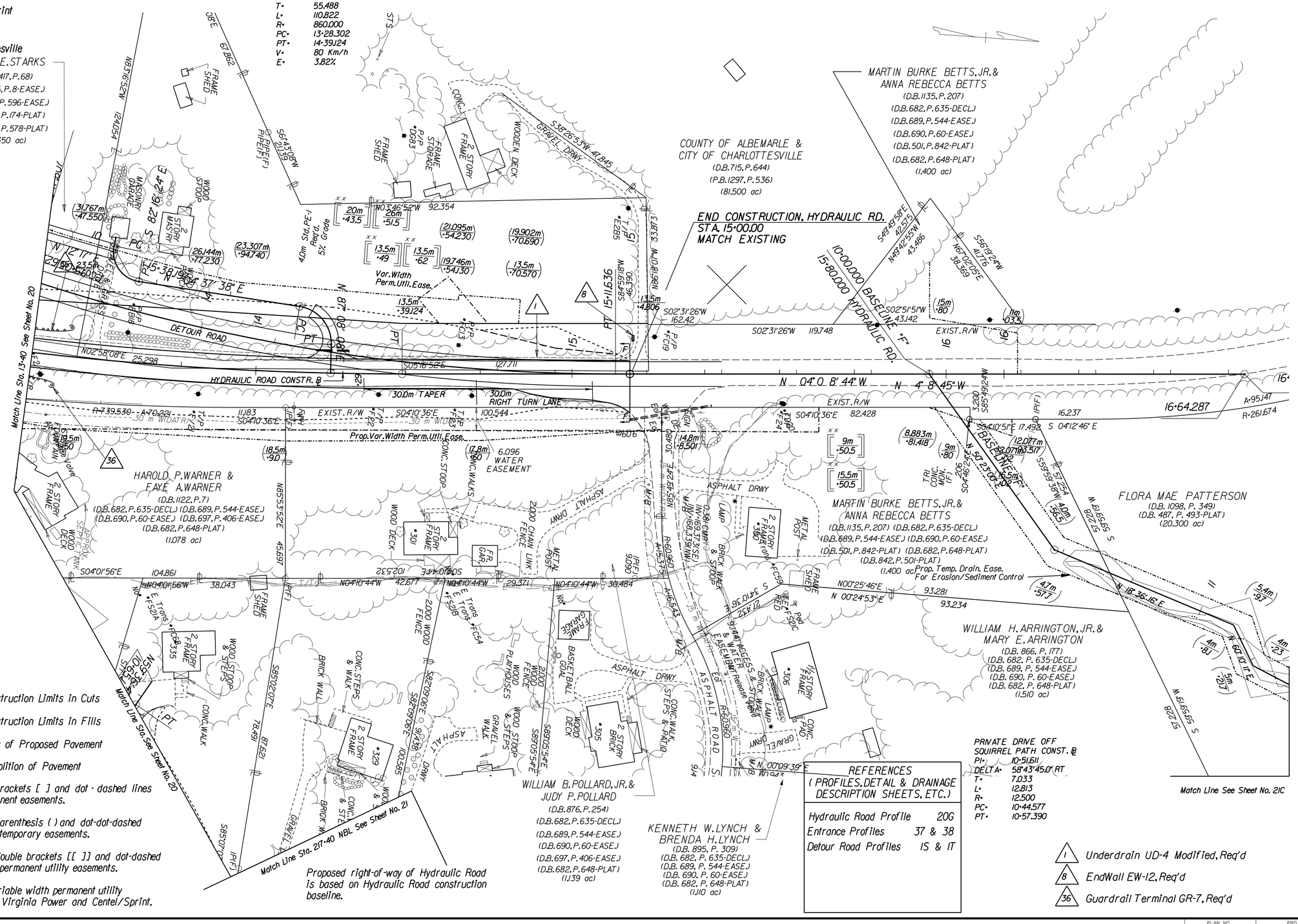
CATV: Adelphia Cable

Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI

Gas: City of Charlottesville



Notes:

C ____ Denotes Construction Limits in Cuts

F ____ Denotes Construction Limits in Fills

Denotes Area of Proposed Pavement

Denotes Demolition of Pavement

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

xx Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

Proposed right-of-way of Hydraulic Road is based on Hydraulic Road construction baseline.

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY MATHER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		20F

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
2-9-99	9-9-97 10-8-97 5-1-98 6-9-98 8-27-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	21

UTILITY OWNERS

Water: Rivanna Water & Sewer Authority

CATV: Adelphia Cable

Electric: Virginia Power

Telephone: Centel/Sprint

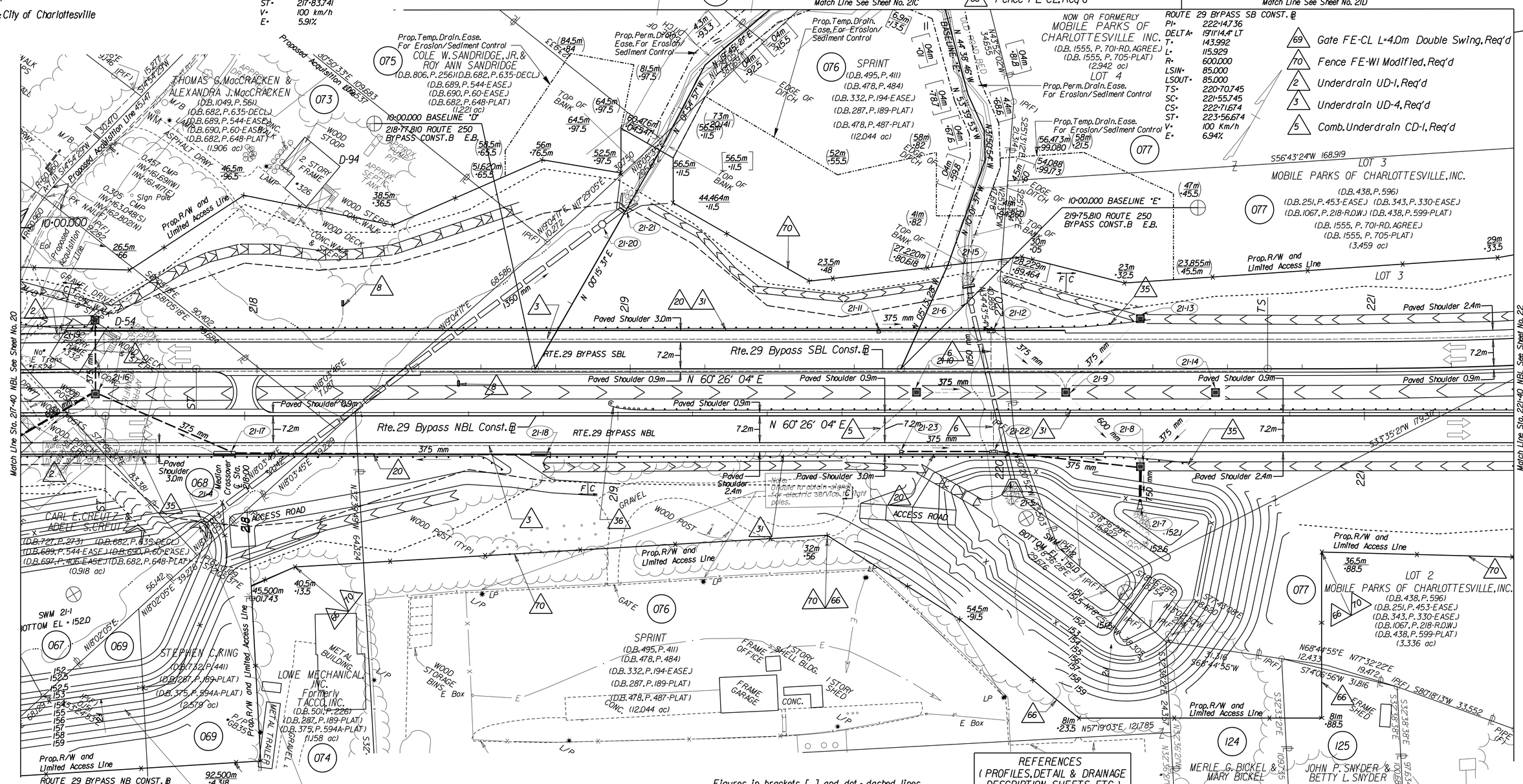
Telephone: MCI

Gas: City of Charlottesville

ROUTE 29 BYPASS SB CONST. ℄
PI= 216+46.642
DELTA = 14°17'46.6"RT.
T= 138.183
L= 105.282
R= 762.600
LSIN = 85.000
LSOUT = 85.000
TS= 215+08.459
SC= 215+93.459
CS= 216+98.741
ST= 217+83.741
V= 100 km/h
E= 5.91%

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

- (20) Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
- (31) Guardrail GR-2, Req'd
- (35) Guardrail Terminal GR-6, Req'd
- (6) Comb. Underdrain CD-2, Req'd
- (8) EndWall EW-12, Req'd
- (36) Guardrail Terminal GR-7, Req'd
- (66) Fence FE-CL, Req'd
- (69) Gate FE-CL L=4.0m Double Swing, Req'd
- (70) Fence FE-WI Modified, Req'd
- (2) Underdrain UD-1, Req'd
- (3) Underdrain UD-4, Req'd
- (5) Comb. Underdrain CD-1, Req'd



Notes:

- [C] Denotes Construction Limits in Cuts
- [F] Denotes Construction Limits in Fills
- Denotes Area of Proposed Pavement

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

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

Rte. 29 Bypass NB Profile	21A
Rte. 29 Bypass SB Profile	21B
Drainage Easements	21C
Utility Owners	(X)
Drainage Descriptions	XX

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

METRIC SCALE 1:500 — 0 10 m 20 m

VDOT (METRIC)

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PAT'SY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

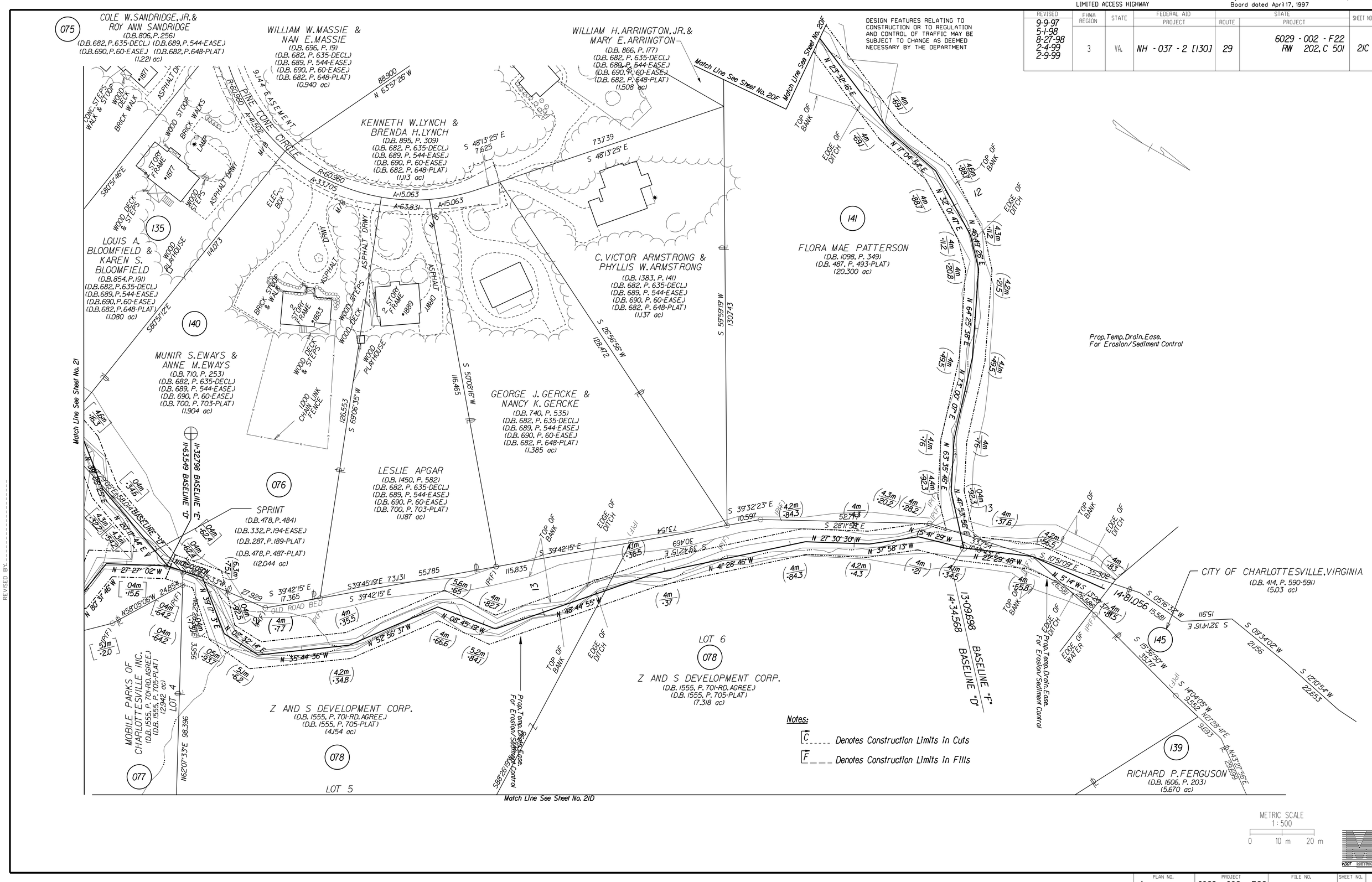
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		21

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 5-1-98 8-27-98 2-4-99 2-9-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	21C

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



Notes:

C _____ Denotes Construction Limits In Cuts

F _____ Denotes Construction Limits In Fills

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

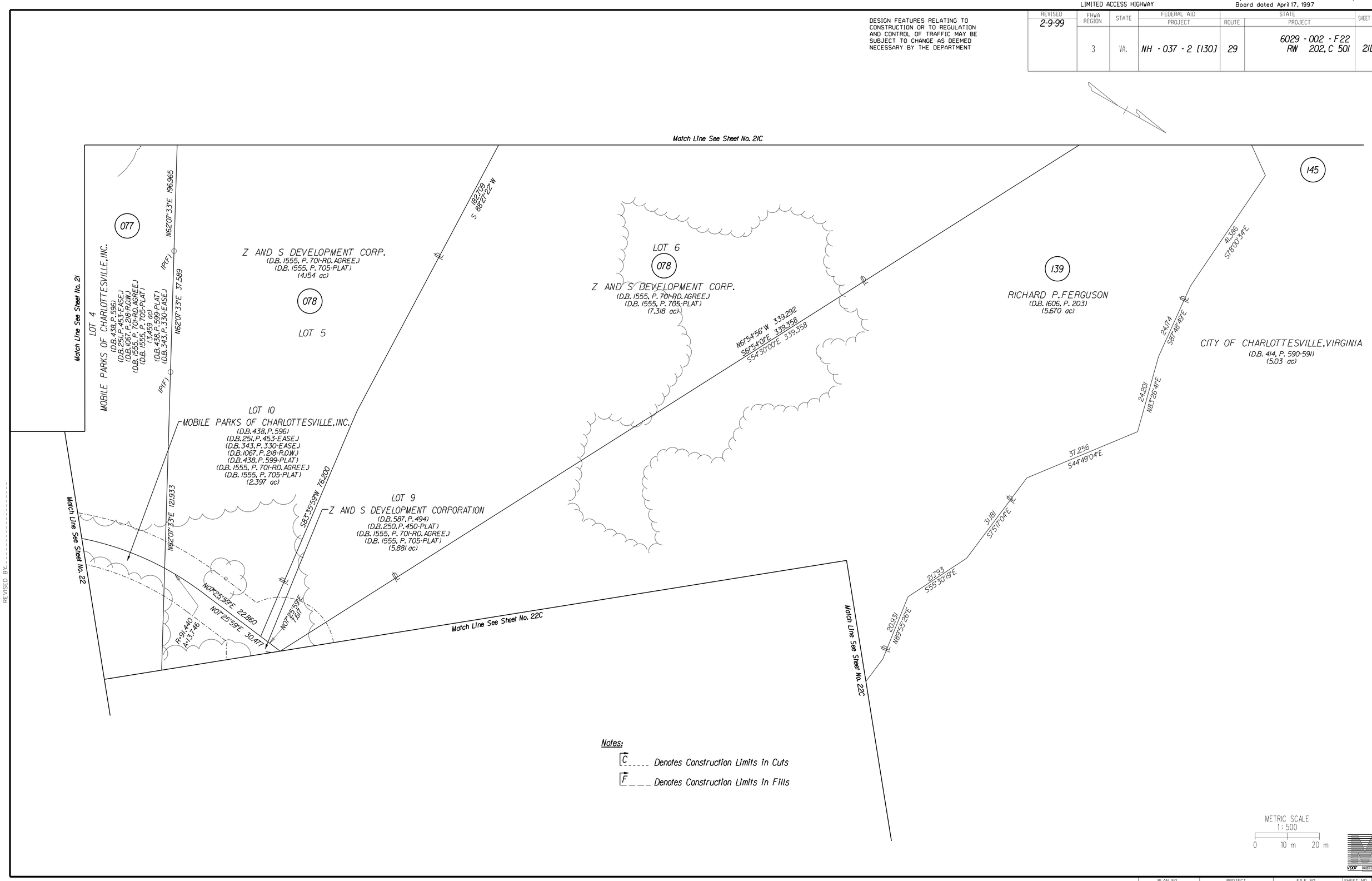
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		21C

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
2-9-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	21D



Notes:

C _ _ _ _ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2556
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$/DESIGN$FILES$SPECIFICATION$$$$$$$
REVISED BY: _____

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		21D

LIMITED ACCESS HIGHWAY

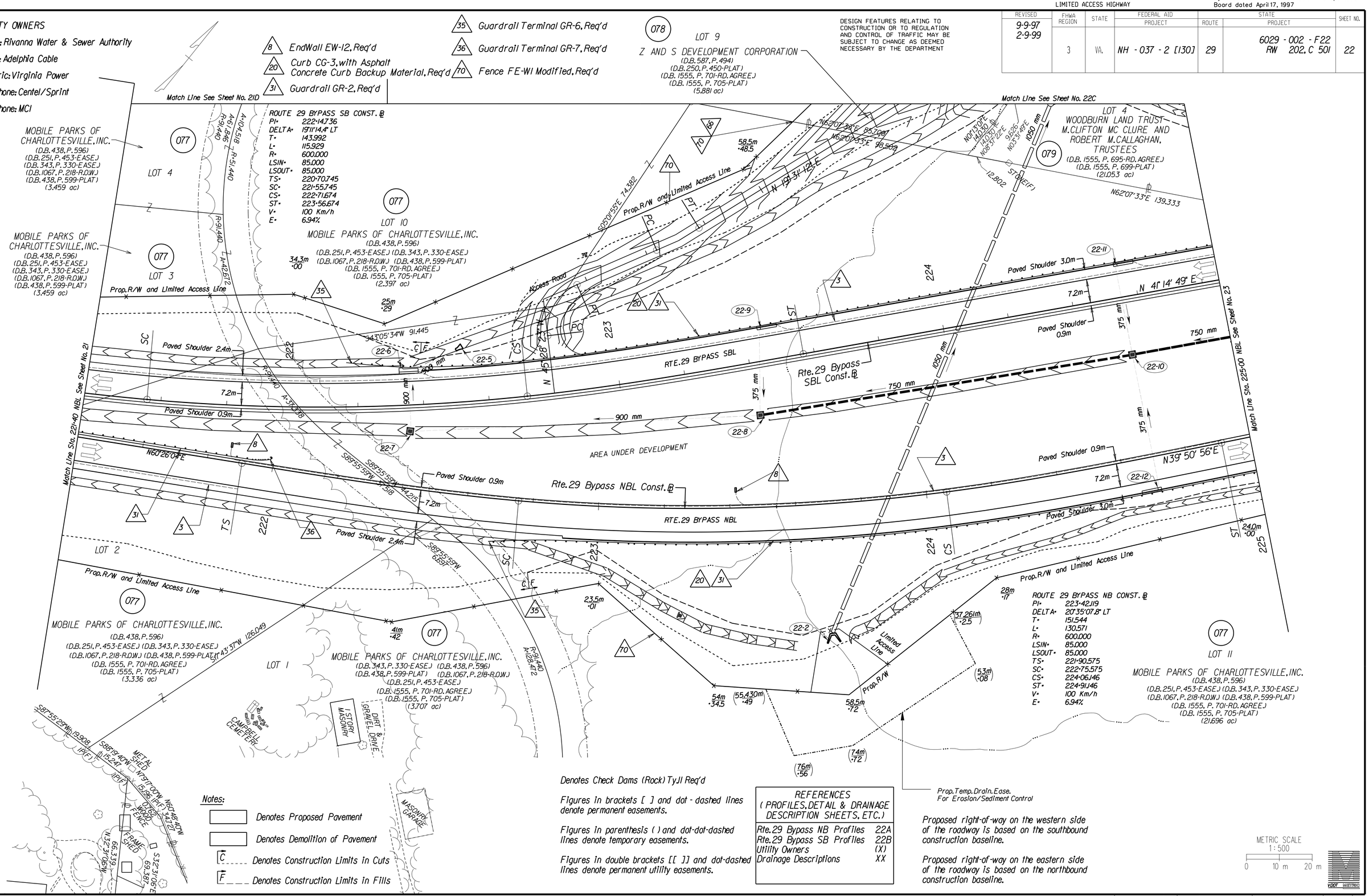
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 2-9-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	22

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

UTILITY OWNERS
Water: Rivanna Water & Sewer Authority
CATV: Adelphia Cable
Electric: Virginia Power
Telephone: Centel/Sprint
Telephone: MCI

8 EndWall EW-12, Req'd
20 Curb CG-3, with Asphalt Concrete Curb Backup Material, Req'd
31 Guardrail GR-2, Req'd
35 Guardrail Terminal GR-6, Req'd
36 Guardrail Terminal GR-7, Req'd
70 Fence FE-WI Modified, Req'd



Notes:

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C Denotes Construction Limits In Cuts
- F Denotes Construction Limits In Fills

Denotes Check Dams (Rock) Tyll Req'd

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profiles	22A
Rte. 29 Bypass SB Profiles	22B
Utility Owners	(X)
Drainage Descriptions	XX

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

METRIC SCALE 1:500
0 10 m 20 m

VDOT METRIC

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PAT'SY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

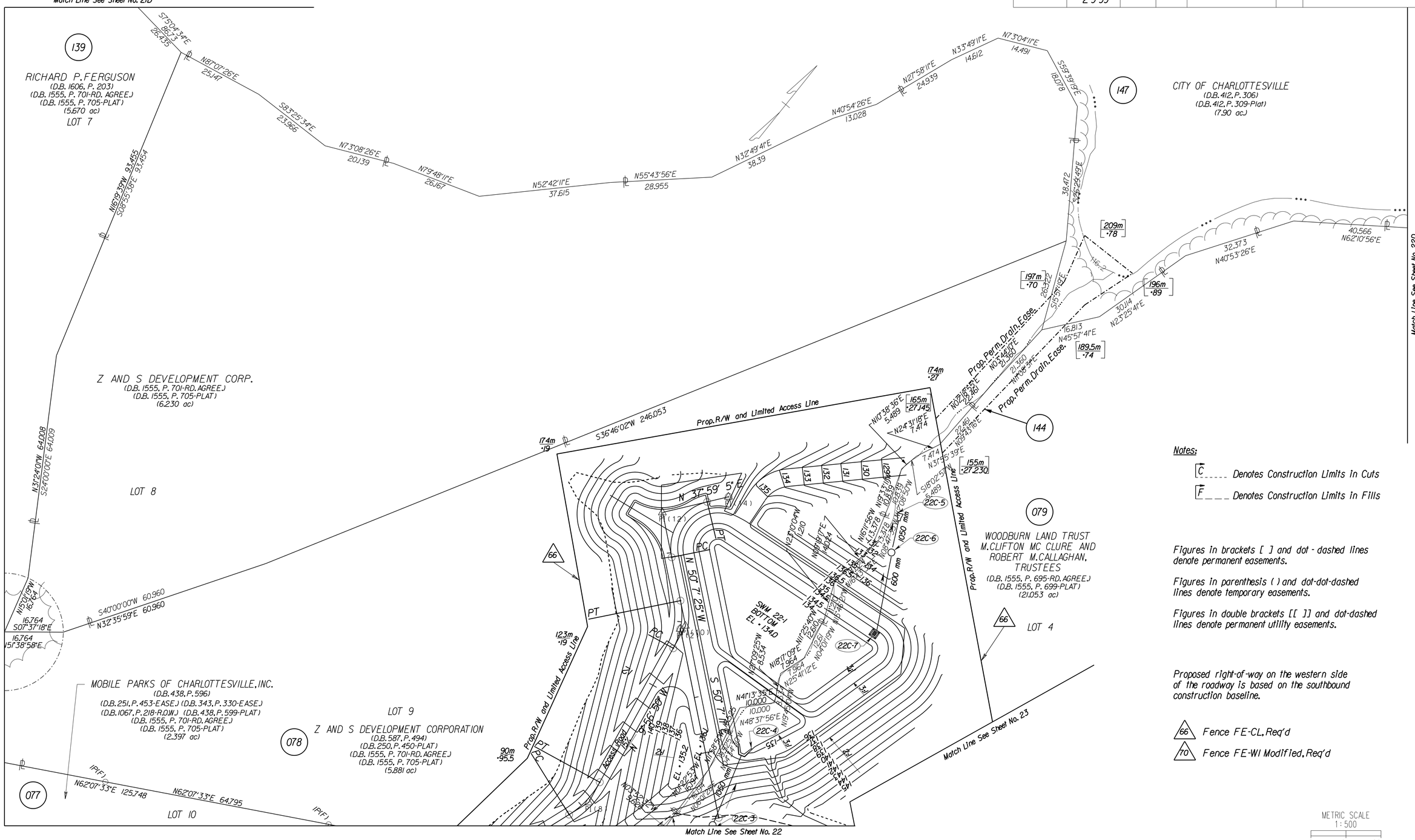
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		22

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
4-8-99	9-9-97 2-27-98 8-27-98 1-19-99 2-9-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	22C



Notes:

[C _____ Denotes Construction Limits in Cuts

[F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

66 Fence FE-CL, Req'd

70 Fence FE-WI Modified, Req'd

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY WAPPER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$
REVISED BY: _____

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
8-27-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	22D

UTILITY OWNERS

None

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

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT METRIC

SURVEYED BY ROUSE-SIRINE ASSOCIATES LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$-SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		22D

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
8-27-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	23

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

UTILITY OWNERS

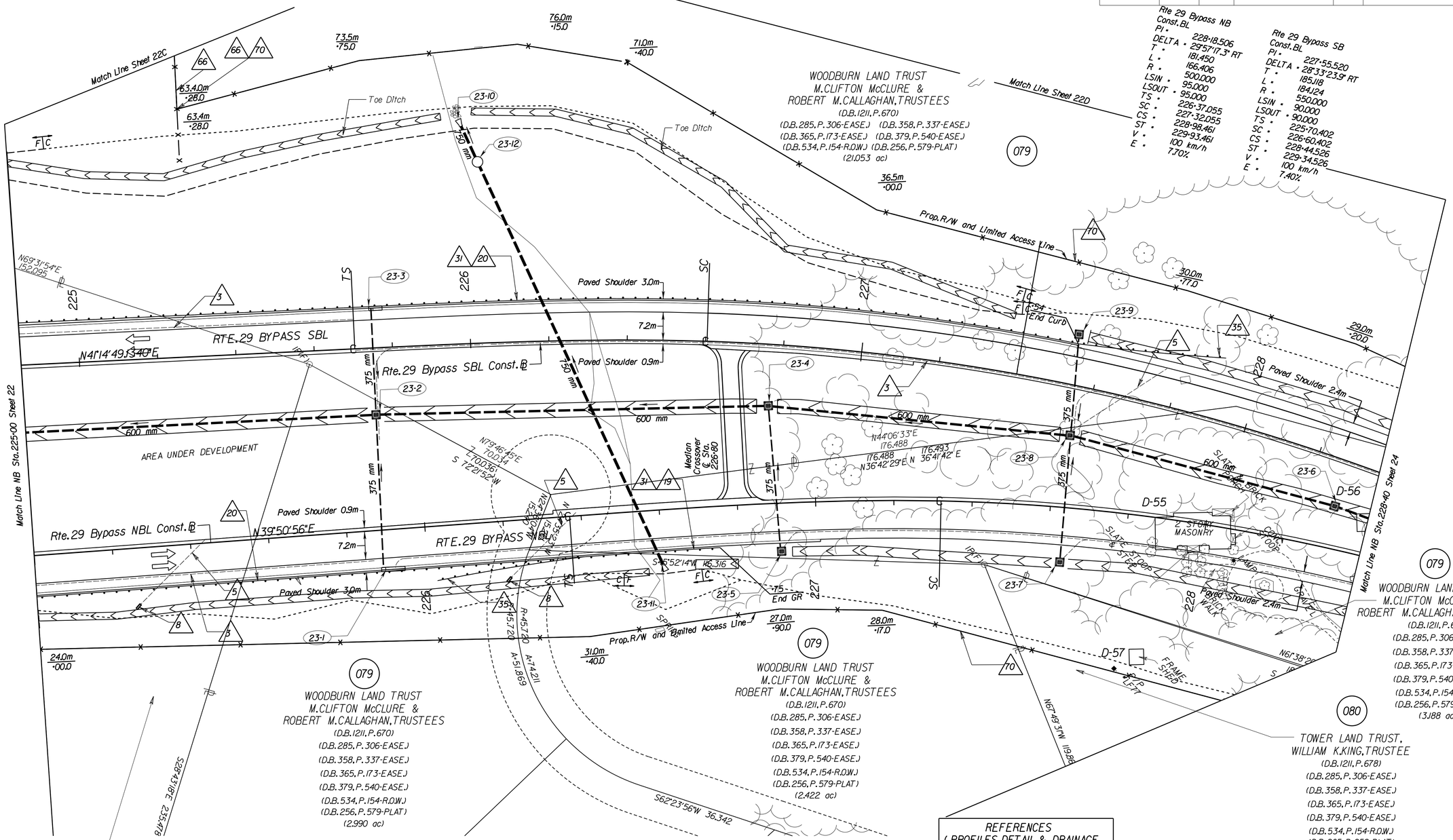
Water: Rivanna Water & Sewer Authority

CATV: Adelphia Cable

Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

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

Rte. 29 Bypass NB Profiles	23A
Rte. 29 Bypass SB Profiles	23B
Utility Owners	2N
Drainage Descriptions	XX

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT METRIC

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$$FILES$SPECIFICATION$$$$$$$$
REVISED BY:

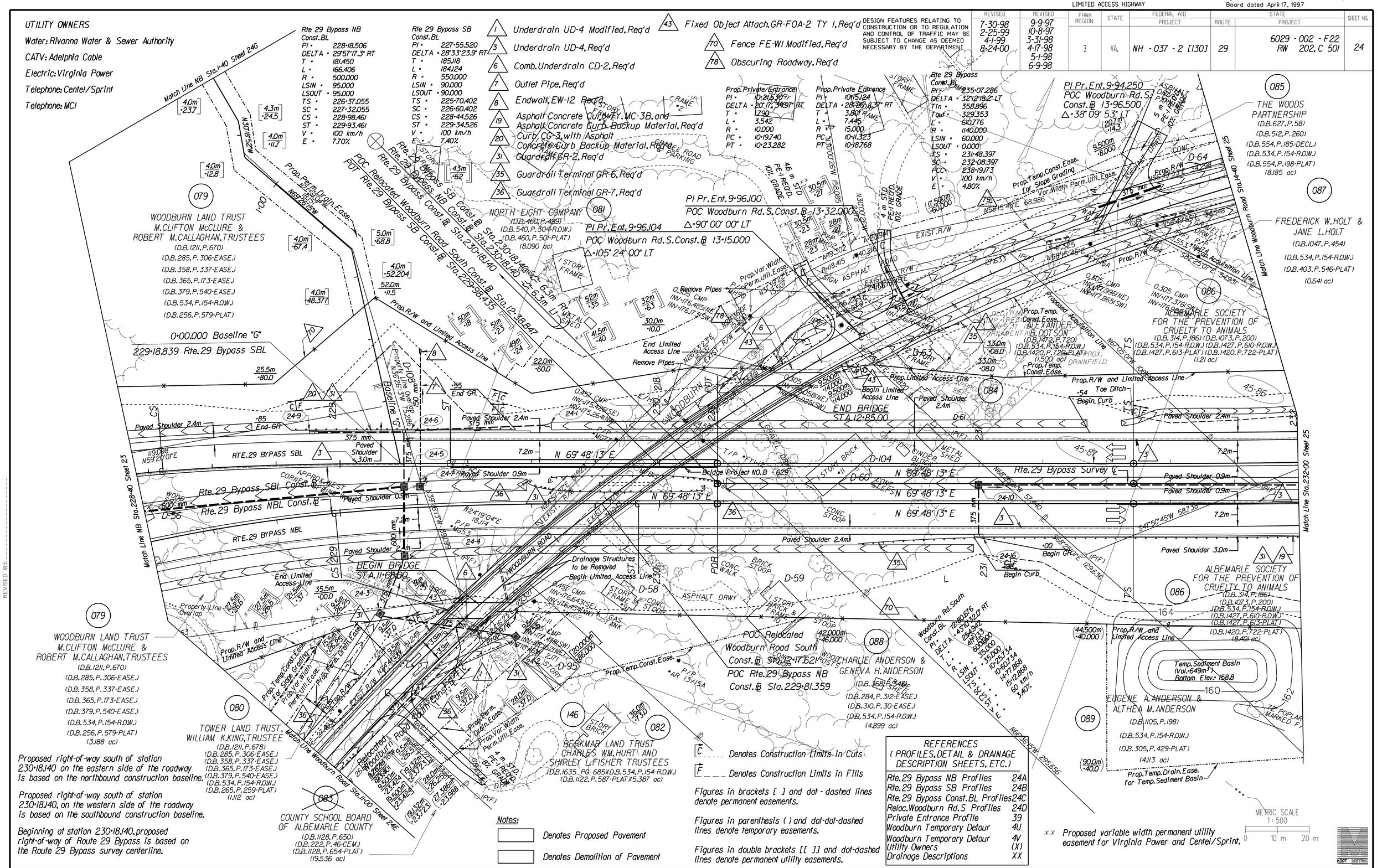
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		23

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
7-30-98 2-25-99 4-1-99 8-24-00	9-9-97 10-8-97 3-31-98 4-17-98 5-1-98 6-9-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	24



SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		24

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 3-31-98 8-24-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	24E

UTILITY OWNERS

Water: Rivanna Water & Sewer Authority

CATV: Adelphia Cable

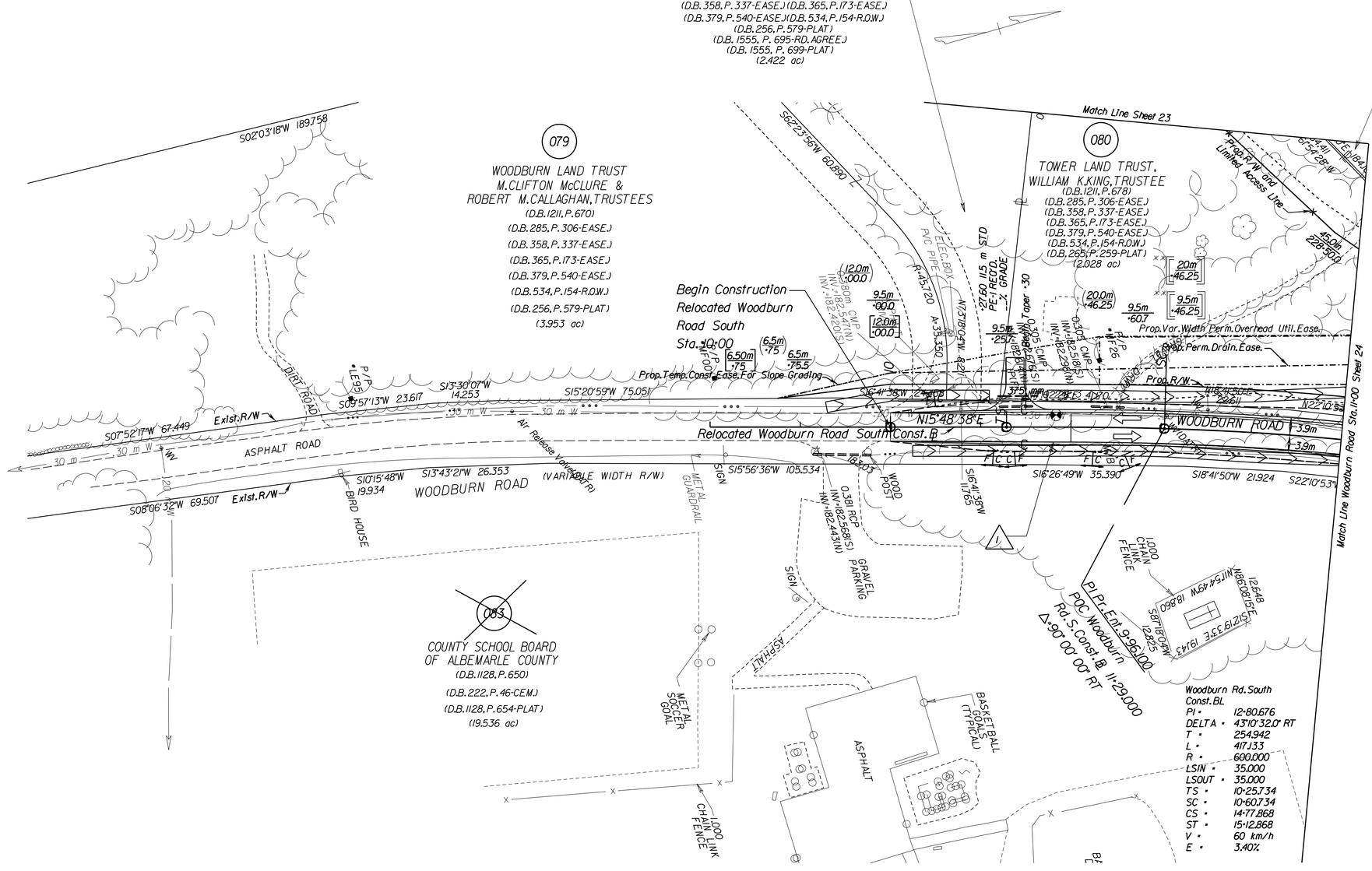
Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI

1 Underdrain UD-4 Modified, Req'd

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



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Proposed right-of-way of Woodburn Road is based on Woodburn Road construction baseline.

xx Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Reloc.Woodburn Rd.S Profile	24F
Utility Owners	(X)
Drainage Descriptions	(XX)

METRIC SCALE
1:500
0 10 m 20 m

VDOT METRIC

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		24E

LIMITED ACCESS HIGHWAY

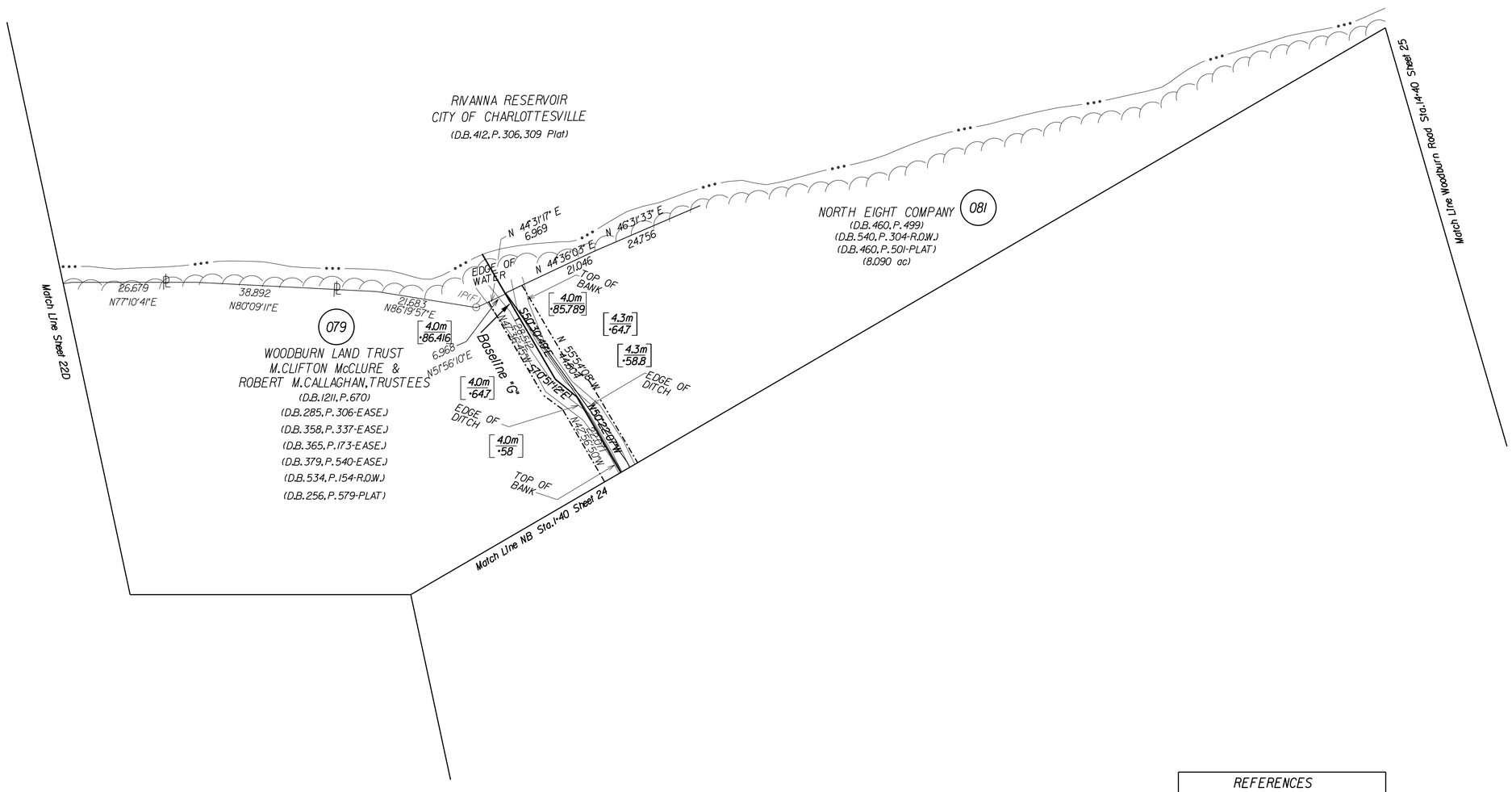
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
4-17-98 8-27-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	24G

UTILITY OWNERS

None

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



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

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

Rte.29 Bypass NB Profiles	24A
Rte.29 Bypass SB Profiles	24B
Rte.29 Bypass Const.BL Profiles	24C
Reloc.Woodburn Rd.S Profiles	24D
Private Entrance Profile	39
Woodburn Temporary Detour	4U
Woodburn Temporary Detour	4V
Utility Owners	(X)
Drainage Descriptions	(XX)

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT GEOMETRIC

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

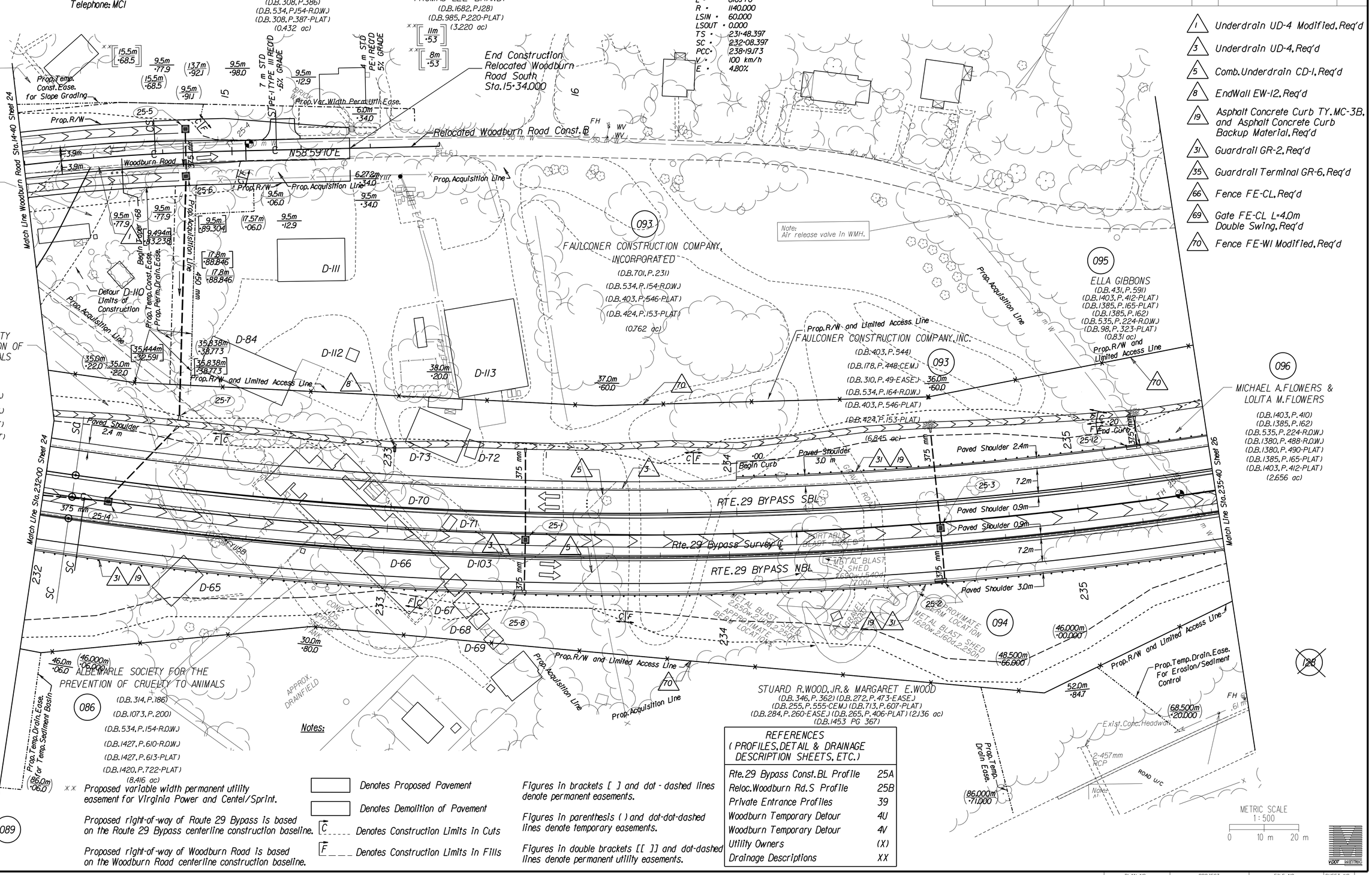
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED		FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
4-8-99 6-16-99	9-9-97 10-8-97 3-31-98 2-25-99 4-1-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	25

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

Rte 29 Bypass
Const.BL
PI = 235+07.286
DELTA = 32°12'18.2" LT
Tin = 358.896
Tout = 329.353
L = 610.776
R = 1140.000
LSIN = 60.000
LSOUT = 0.000
TS = 231+48.397
SC = 232+08.397
PCC = 238+19.173
V = 100 km/h
E = 4.80%

UTILITY OWNERS
Water: Rivanna Water & Sewer Authority
CATV: Adelphia Cable
Electric: Virginia Power
Telephone: Centel/Sprint
Telephone: MCI



1 Underdrain UD-4 Modified, Req'd
3 Underdrain UD-4, Req'd
5 Comb. Underdrain CD-1, Req'd
8 EndWall EW-12, Req'd
19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
31 Guardrail GR-2, Req'd
35 Guardrail Terminal GR-6, Req'd
66 Fence FE-CL, Req'd
69 Gate FE-CL L=4.0m Double Swing, Req'd
70 Fence FE-WI Modified, Req'd

Notes:

xx Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Proposed right-of-way of Woodburn Road is based on the Woodburn Road centerline construction baseline.

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass Const. BL Profile	25A
Reloc. Woodburn Rd. S Profile	25B
Private Entrance Profiles	39
Woodburn Temporary Detour	4U
Woodburn Temporary Detour	4V
Utility Owners	(X)
Drainage Descriptions	XX

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

LIMITED ACCESS HIGHWAY

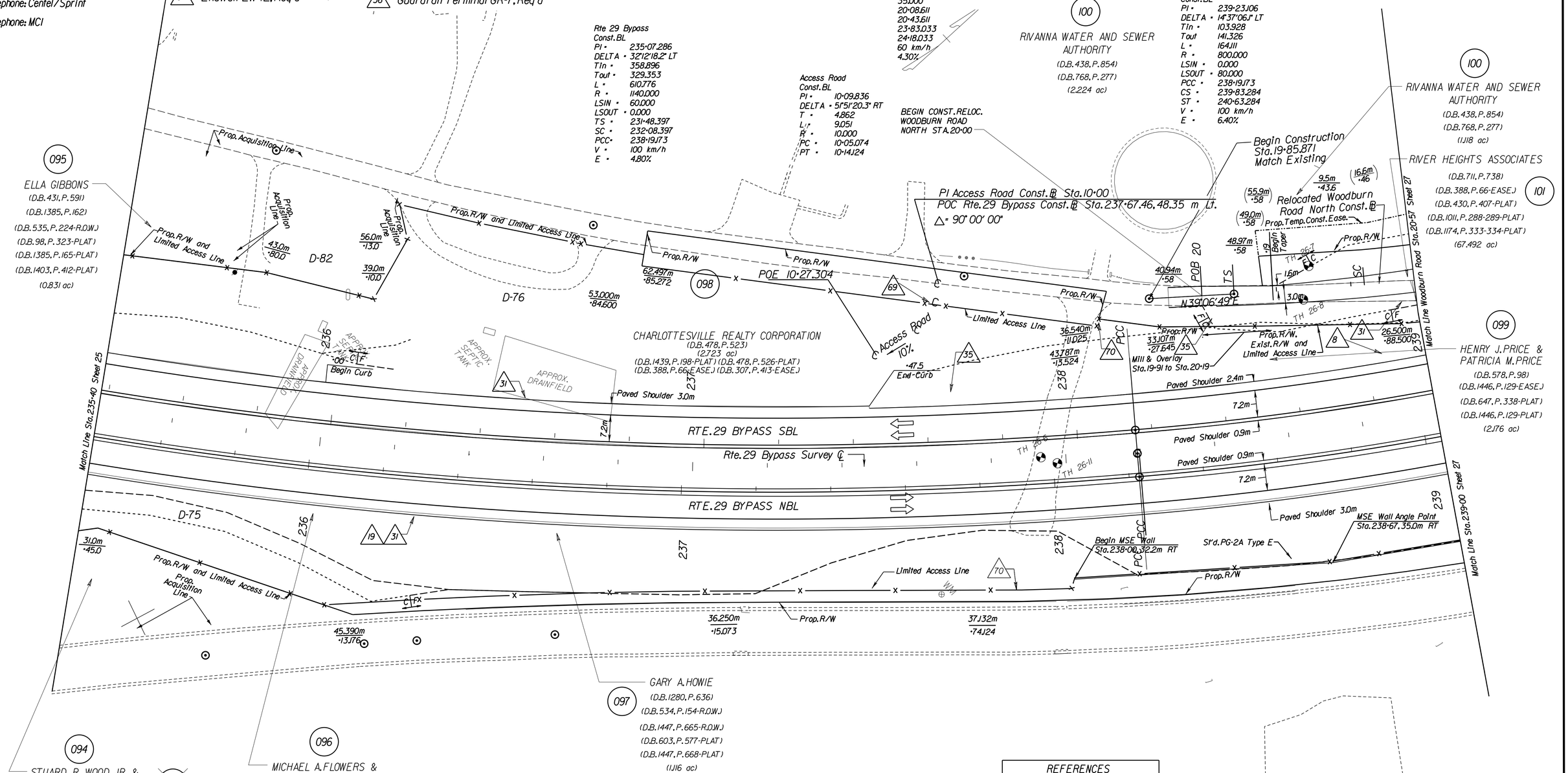
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
3-31-98 5-5-98 10-12-98	9-9-97 10-8-97 11-7-97 12-10-97 2-27-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	26

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

UTILITY OWNERS
Water: Rivanna Water & Sewer Authority
CATV: Adelphia Cable
Electric: Virginia Power
Telephone: Centel/Sprint
Telephone: MCI

1 Underdrain UD-4 Modified, Req'd
3 Underdrain UD-4, Req'd
5 Comb. Underdrain CD-1, Req'd
8 EndWall EW-12, Req'd
19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
31 Guardrail GR-2, Req'd
35 Guardrail Terminal GR-6, Req'd
36 Guardrail Terminal GR-7, Req'd
69 Gate FE-CL L=4.0m Double Swing, Req'd
70 Fence FE-WI Modified, Req'd



Notes:

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C ____ Denotes Construction Limits In Cuts
- F ____ Denotes Construction Limits In Fills

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass Profile	26A
Reloc. Woodburn Rd. N Profile	26B
Utility Companies	(X)
Drainage Descriptions	XX

METRIC SCALE
1 : 500
0 10 m 20 m

V007 METRIC

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		26

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-9-97 9-28-98	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	27

UTILITY OWNERS

Water: Rivanna Water & Sewer Authority

CATV: Adelphia Cable

Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI

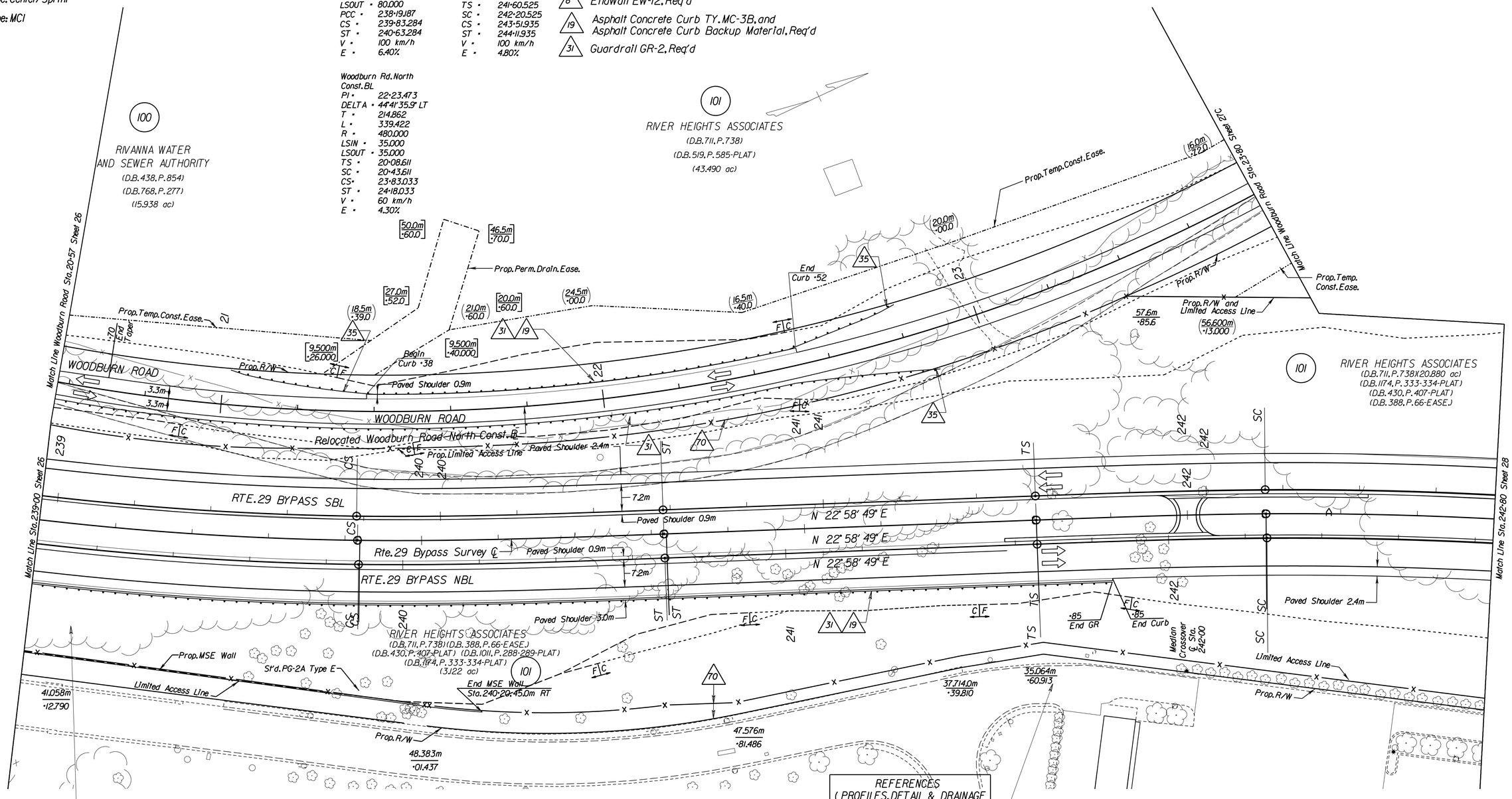
Rte 29 Bypass
Const. BL
PI = 239+23.106
DELTA = 14°37'06.1" LT
Tin = 103.928
Tout 141.326
L = 164.111
R = 800.000
LSIN = 0.000
LSOUT = 80.000
PCC = 238+19.187
CS = 239+83.284
ST = 240+63.284
V = 100 km/h
E = 6.40%

Rte 29 Bypass
Const. BL
PI = 242+86.537
DELTA = 10°58'01.2" RT
T = 126.012
L = 131.410
R = 1000.000
LSIN = 60.000
LSOUT = 60.000
TS = 241+60.525
SC = 242+20.525
CS = 243+51.935
ST = 244+11.935
V = 100 km/h
E = 4.80%

Woodburn Rd. North
Const. BL
PI = 22+23.473
DELTA = 44°41'35.9" LT
T = 214.862
L = 339.422
R = 480.000
LSIN = 35.000
LSOUT = 35.000
TS = 20+08.611
SC = 20+43.611
CS = 23+83.033
ST = 24+18.033
V = 60 km/h
E = 4.30%

1 Underdrain UD-4 Modified, Req'd
3 Underdrain UD-4, Req'd
5 Comb. Underdrain CD-1, Req'd
8 EndWall EW-12, Req'd
19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
31 Guardrail GR-2, Req'd
35 Guardrail Terminal GR-6, Req'd
70 Fence FE-W1 Modified, Req'd

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



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

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

Rte. 29 Bypass Profile	27A
Reloc. Woodburn Rd. N Profile	27B
Utility Companies	(X)
Drainage Descriptions	XX

Proposed right-of-way of Route 29 Bypass is based on the Route 29 Bypass centerline construction baseline.

Proposed right-of-way of Woodburn Road is based on Woodburn Road construction baseline.

METRIC SCALE
1:500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		27

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-9-97 12-10-97	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	27C

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

UTILITY OWNERS

Water: Rivanna Water & Sewer Authority

CATV: Adelphia Cable

Electric: Virginia Power

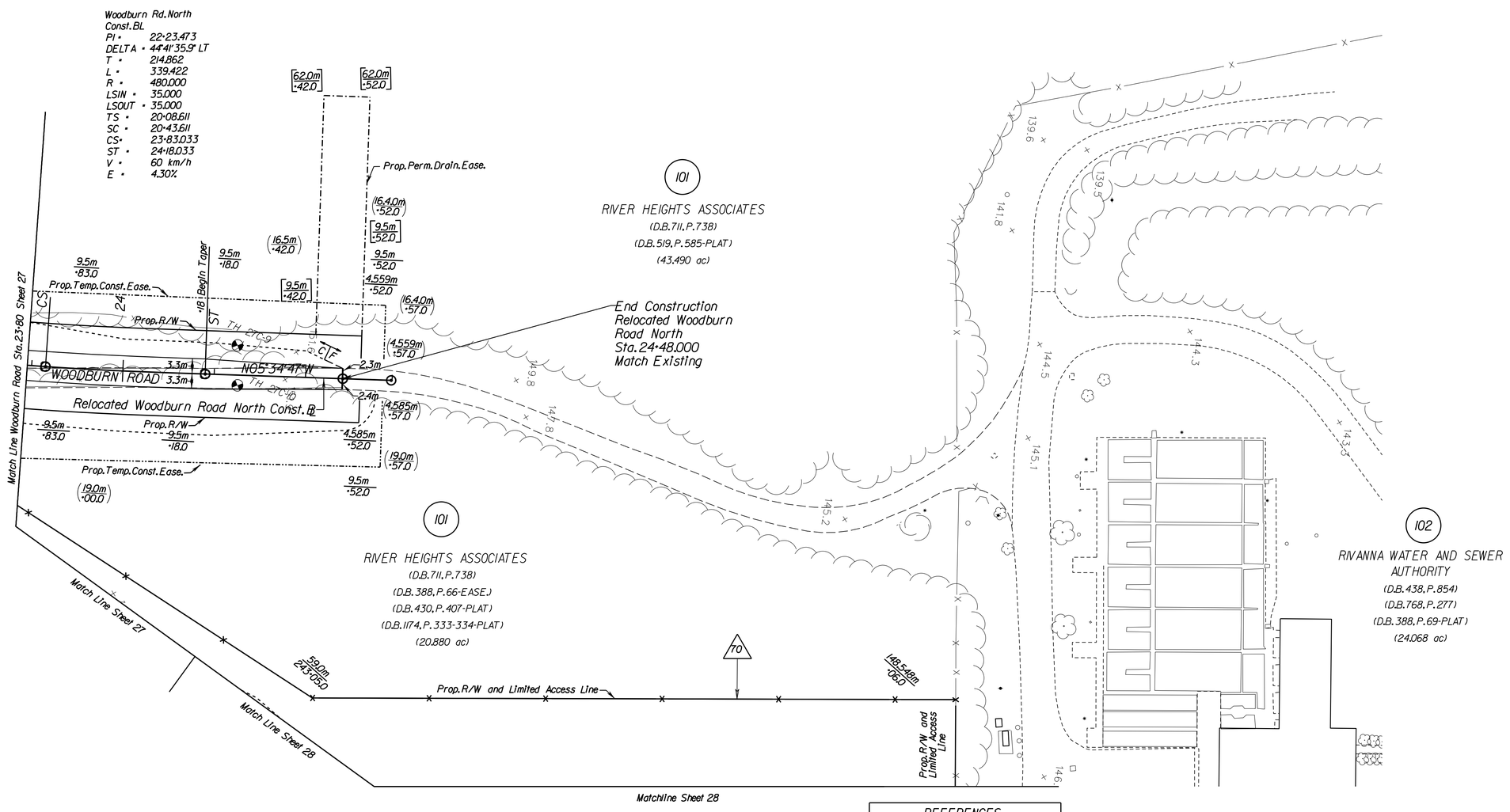
Telephone: Centel/Sprint

Telephone: MCI

1 Underdrain UD-4 Modified, Req'd

8 EndWall EW-12, Req'd

70 Fence FE-W1 Modified, Req'd



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Note : Figures in brackets and dot - dashed lines denote Permanent Easements.

Note : Figures in parenthesis and dot - dot - dashed lines denote Temporary Easements.

00m / -00 Denotes Permanent Drainage Easement

(00m / -00) Denotes Temp. Construction Easement

00m / -00 Denotes Permanent Utility Easement

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Reloc. Woodburn Rd. N	27D

METRIC SCALE
1 : 500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-9-97 11-7-97 8-14-99 9-30-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	28

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

UTILITY OWNERS

Water: Rivanna Water & Sewer Authority

CATV: Adelphia Cable

Electric: Virginia Power

Telephone: Centel/Sprint

Telephone: MCI

- 3 Underdrain UD-4, Req'd
- 6 Comb. Underdrain CD-2, Req'd
- 19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 31 Guardrail GR-2, Req'd
- 35 Guardrail Terminal GR-6, Req'd
- 36 Guardrail Terminal GR-7, Req'd
- 43 Fixed Object Attach. GR-FOA-2 TY I, Req'd
- 44 Fixed Object Attach. GR-FOA-2 TY II, Req'd
- 70 Fence FE-WI Modified, Req'd

Prop Access Road

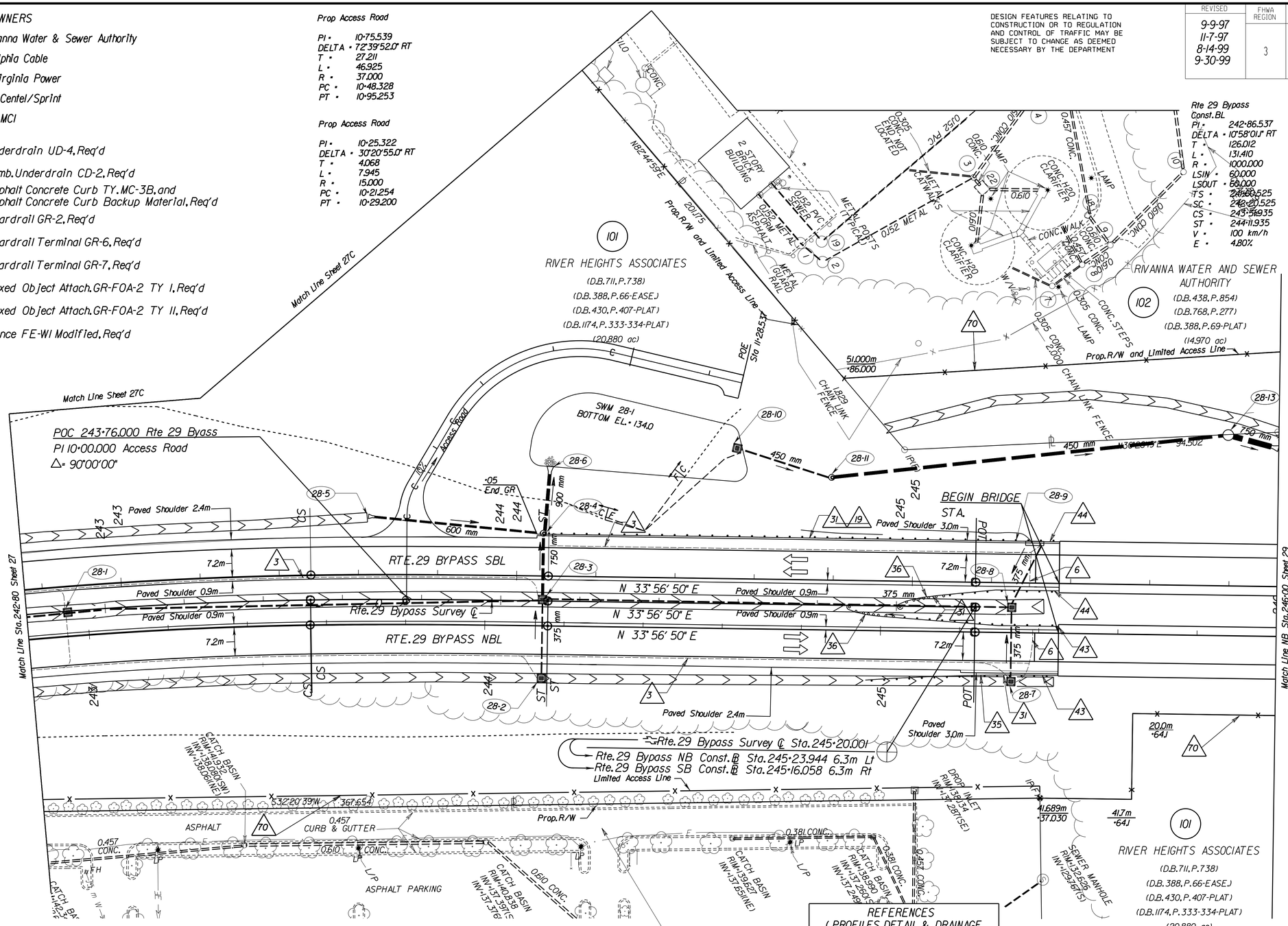
PI = 10+75.539
DELTA = 72°39'52.0" RT
T = 27.211
L = 46.925
R = 37.000
PC = 10+48.328
PT = 10+95.253

Prop Access Road

PI = 10+25.322
DELTA = 30°20'55.0" RT
T = 4.068
L = 7.945
R = 15.000
PC = 10+21.254
PT = 10+29.200

Rte 29 Bypass Const. BL

PI = 242+86.537
DELTA = 10°58'01" RT
T = 126.012
L = 131.410
R = 1000.000
LSIN = 60.000
LSOUT = 60.000
TS = 241+60.525
SC = 242+20.525
CS = 243+51.935
ST = 244+11.935
V = 100 km/h
E = 4.80%



Notes:

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C ____ Denotes Construction Limits in Cuts
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Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

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

Rte. 29 Bypass Const. BL Profile	28A
Rte. 29 Bypass NB Profile	28B
Rte. 29 Bypass SB Profile	28C
Utility Companies	(X)
Drainage Descriptions	XX

Proposed right-of-way of Route 29 Bypass to station 245+20.001 is based on the Route 29 Bypass survey centerline.

Proposed right-of-way, beginning at station 245+23.944, on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way, beginning at station 245+16.058, on the eastern side of the roadway is based on the northbound construction baseline.

METRIC SCALE
1:500
0 10 m 20 m

VDOT

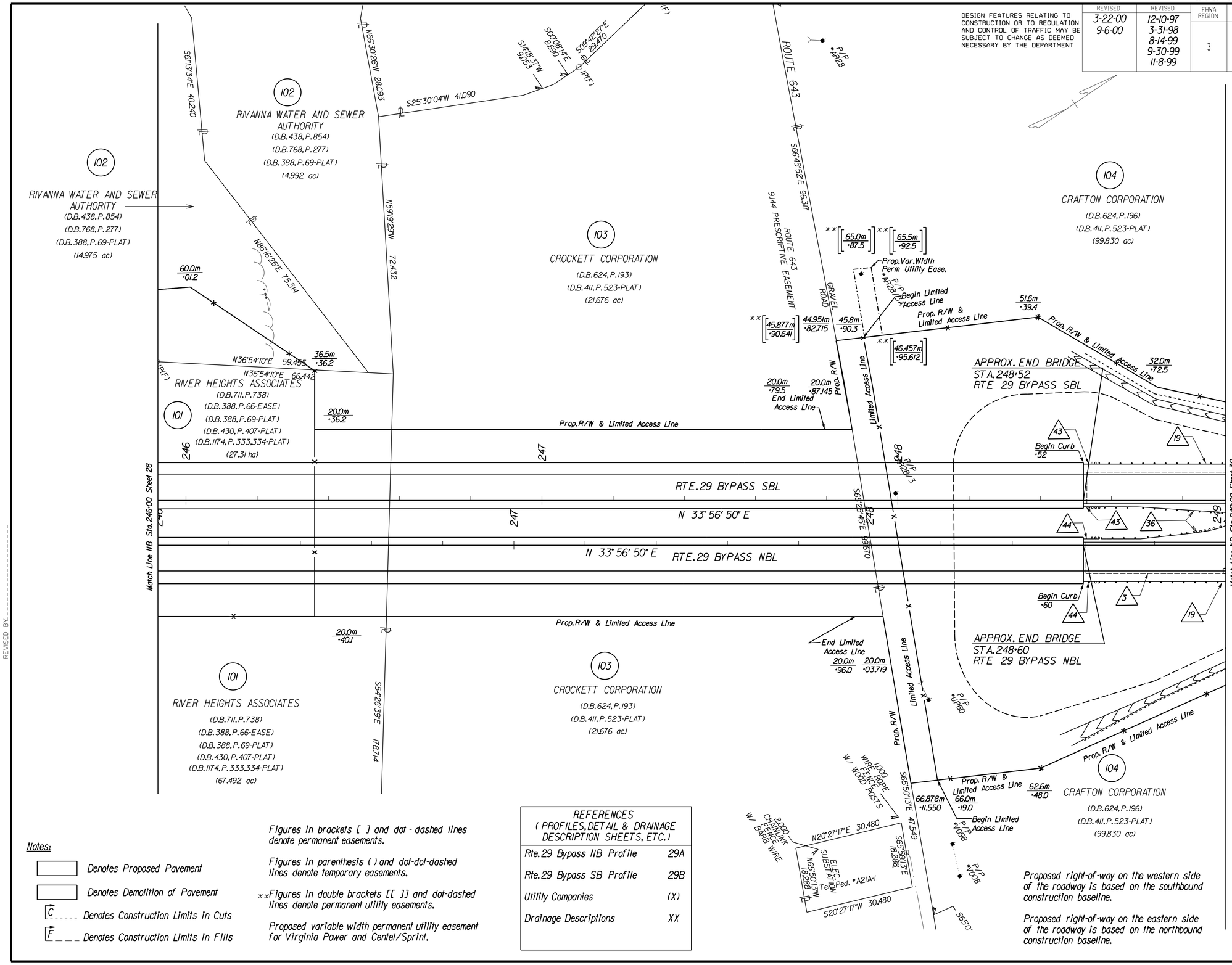
SURVEYED BY _ ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY _ PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY _

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
3-22-00 9-6-00	12-10-97 3-31-98 8-14-99 9-30-99 11-8-99	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	29



Notes:

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- C ____ Denotes Construction Limits In Cuts
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Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

** Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	29A
Rte. 29 Bypass SB Profile	29B
Utility Companies	(X)
Drainage Descriptions	XX

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

- 3 — Underdrain, UD-4, Req'd
- 19 — Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 36 — Guardrail Terminal GR-7, Req'd
- 43 — Fixed Object Attach. GR-FOA-2 TY I, Req'd
- 44 — Fixed Object Attach. GR-FOA-2 TY II, Req'd

METRIC SCALE 1 : 500
0 10 m 20 m

VDOT METRIC

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

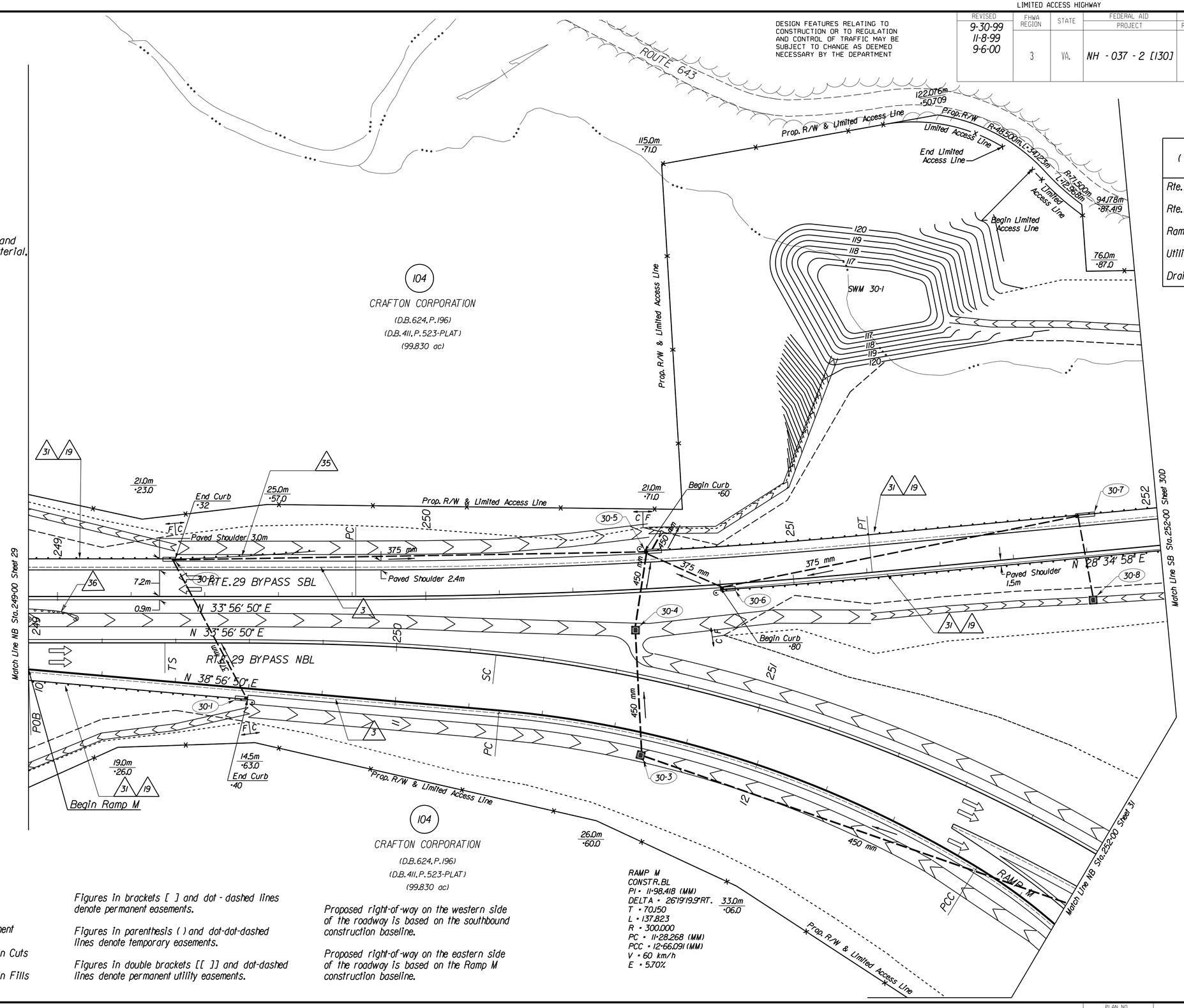
By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-30-99 11-8-99 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	30

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

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	30A
Rte. 29 Bypass SB Profile	30B
Ramp M Profile	30C
Utility Companies	(X)
Drainage Descriptions	XX

3 Underdrain, UD-4, Req'd
19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
31 Guardrail GR-2, Req'd
35 Guardrail Terminal GR-6, Req'd
36 Guardrail Terminal GR-7, Req'd



ROUTE 29 BYPASS NB
CONSTR. BL
PI = 251+89.054 (2)
DELTA = 53°29'10.0" RT.
T = 251.991
L = 292.739
R = 410.000
LSIN = 90.00
LSOUT = 90.00
TS = 249+37.063 (2)
SC = 250+27.063 (2)
CS = 253+19.802 (2)
ST = 254+09.802 (2)
V = 110 km/h
E = 8.00%

RAMP M
CONSTR. BL
PI = 11+98.418 (MM)
DELTA = 26°19'19.9" RT.
T = 70.150
L = 137.823
R = 300.000
PC = 11+28.268 (MM)
PCC = 12+66.091 (MM)
V = 60 km/h
E = 5.70%

Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the Ramp M construction baseline.

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT (METRIC)

SURVEYED BY _ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY _PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR$$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY _____

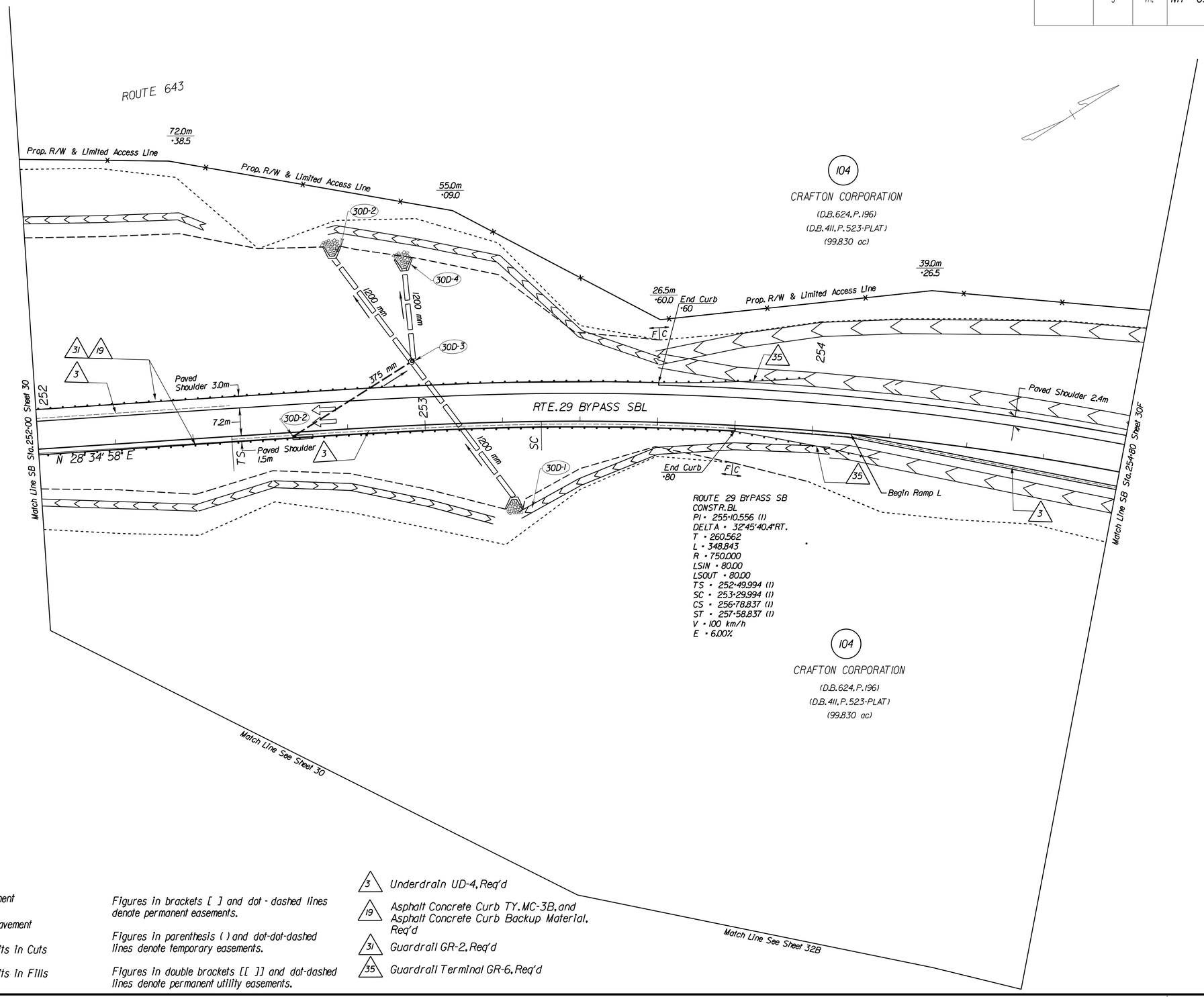
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		30

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-30-99 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	30D



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte.29 Bypass SB Profile	30E
Utility Companies	(X)
Drainage Descriptions	(XX)

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

Notes:

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C ____ Denotes Construction Limits in Cuts
- F ___ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

- 3 — Underdrain UD-4, Req'd
- 19 — Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 31 — Guardrail GR-2, Req'd
- 35 — Guardrail Terminal GR-6, Req'd

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT METRIC

SURVEYED BY _ROUSE-SIRINE, ASSOCIATES,LTD.
SUPERVISED BY PATSY NAPIER (804)786-2566
DESIGNED BY _PARSONS, BRINCKERHOFF, QUADE & DOUGLAS
CADD OPERATOR$$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

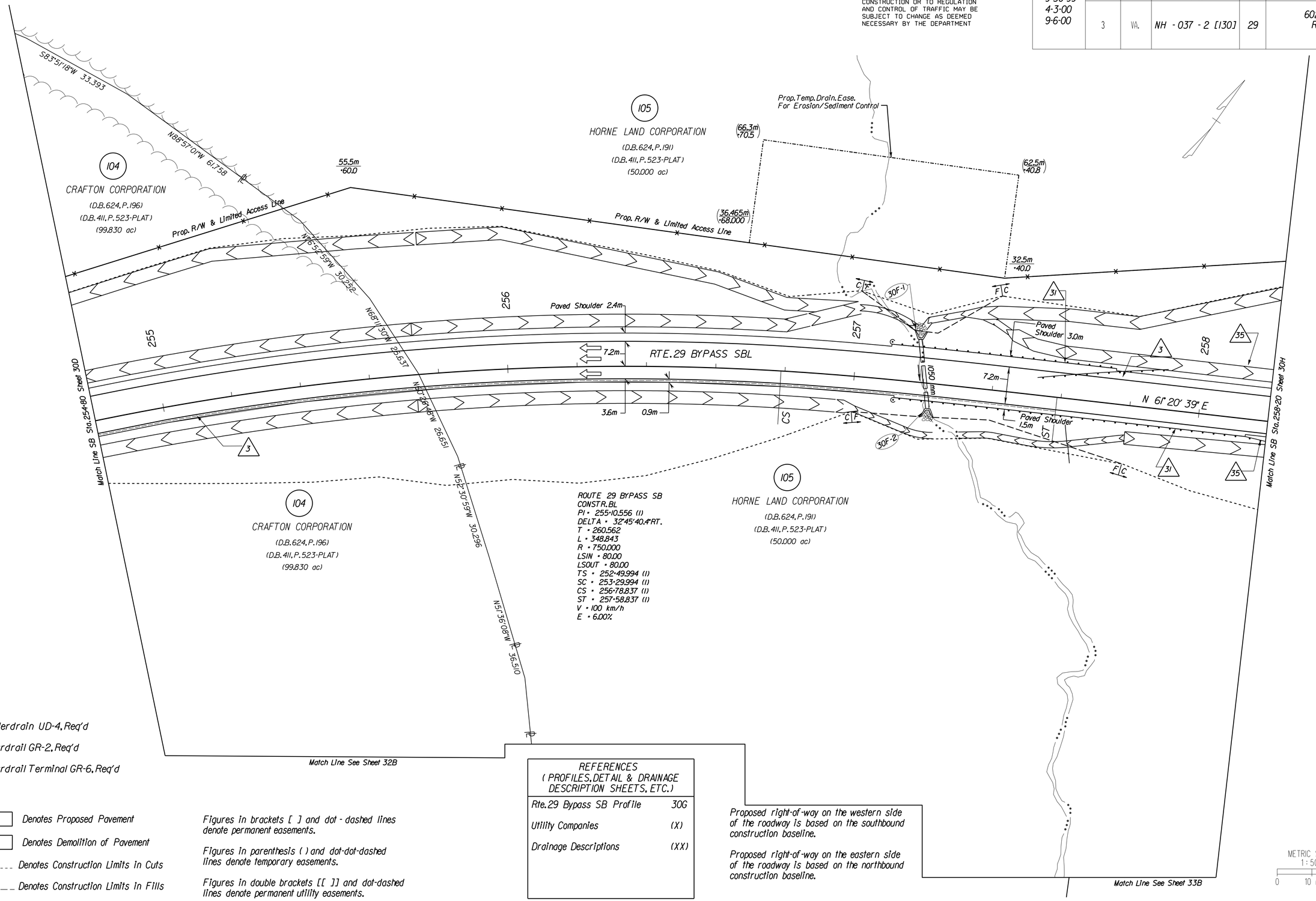
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		30D

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-30-99 4-3-00 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	30F



3 Underdrain UD-4, Req'd

31 Guardrail GR-2, Req'd

35 Guardrail Terminal GR-6, Req'd

Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

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REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass SB Profile	30G
Utility Companies	(X)
Drainage Descriptions	(XX)

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		30F

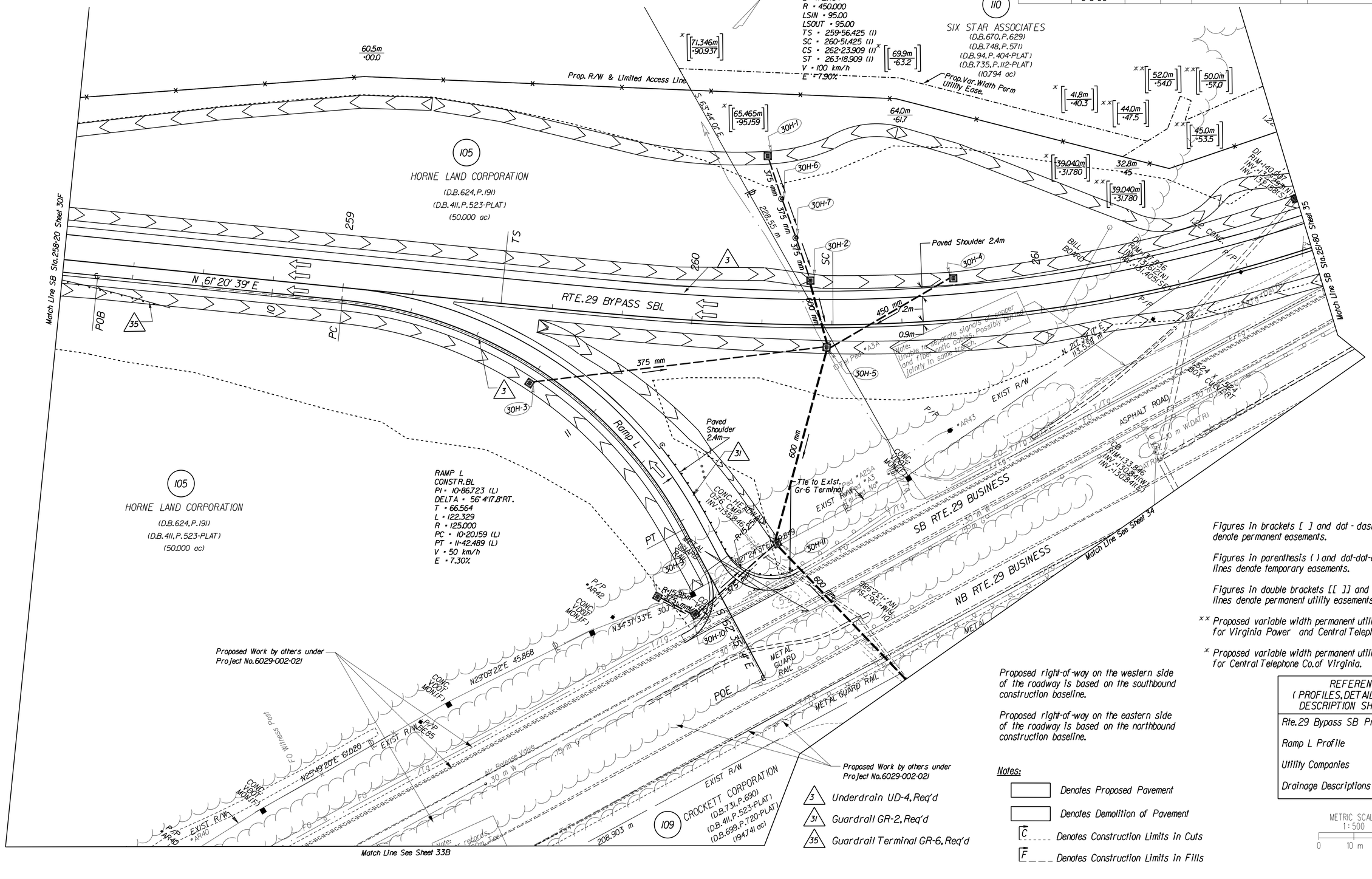
LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
12-29-00	9-30-99 11-8-99 3-22-00 4-3-00 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	30H

ROUTE 29 BYPASS SB
CONSTR.BL
PI = 261+41.988 (I)
DELTA = 34°3'25.7"LT.
T = 185.562
L = 172.484
R = 450.000
LSIN = 95.00
LSOUT = 95.00
TS = 259+56.425 (I)
SC = 260+51.425 (I)
CS = 262+23.909 (I)
ST = 263+18.909 (I)
V = 100 km/h
E = -7.90%

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



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Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

** Proposed variable width permanent utility easement for Virginia Power and Central Telephone Co. of Virginia.

* Proposed variable width permanent utility easement for Central Telephone Co. of Virginia.

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass SB Profile	30I
Ramp L Profile	30J
Utility Companies	(X)
Drainage Descriptions	(XX)

3 Underdrain UD-4, Req'd

31 Guardrail GR-2, Req'd

35 Guardrail Terminal GR-6, Req'd

Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT SHEETING

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PAT ST. NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY:

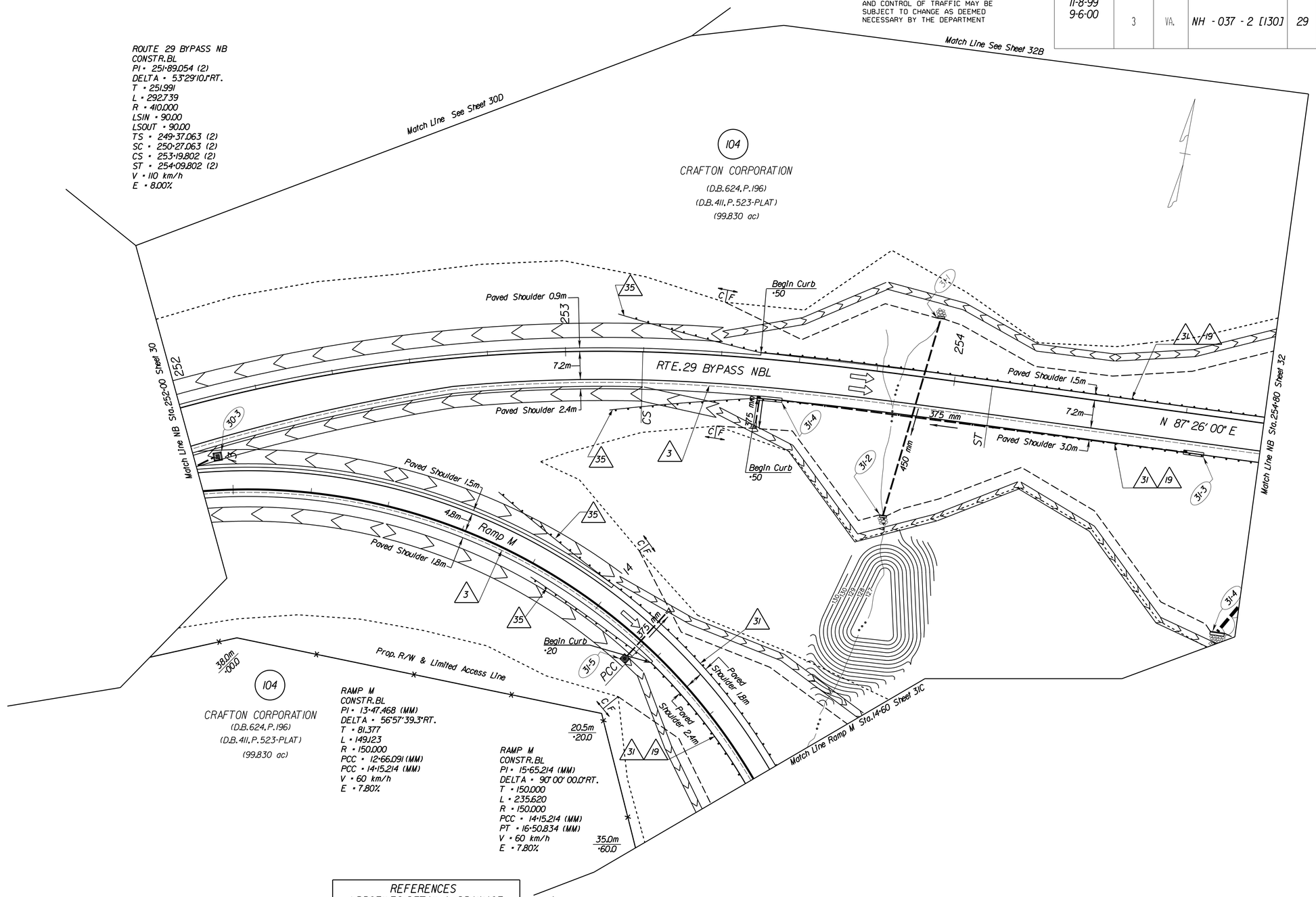
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		30H

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-30-99 11-8-99 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	31



SURVEYED BY: ROUSE-SIRINE, ASSOCIATES, LTD.
SUPERVISED BY: PAT'SY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

Notes:

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C _____ Denotes Construction Limits in Cuts
- F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

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Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte.29 Bypass NB Profile	31A
Ramp M Profile	31B
Utility Companies	(X)
Drainage Descriptions	XX

- 3 — Underdrain UD-4, Req'd
- 19 — Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 31 — Guardrail GR-2, Req'd
- 35 — Guardrail Terminal GR-6, Req'd

Proposed right-of-way on the western side of the roadway is based on the Ramp M construction baseline.

METRIC SCALE
1 : 500
0 10 m 20 m

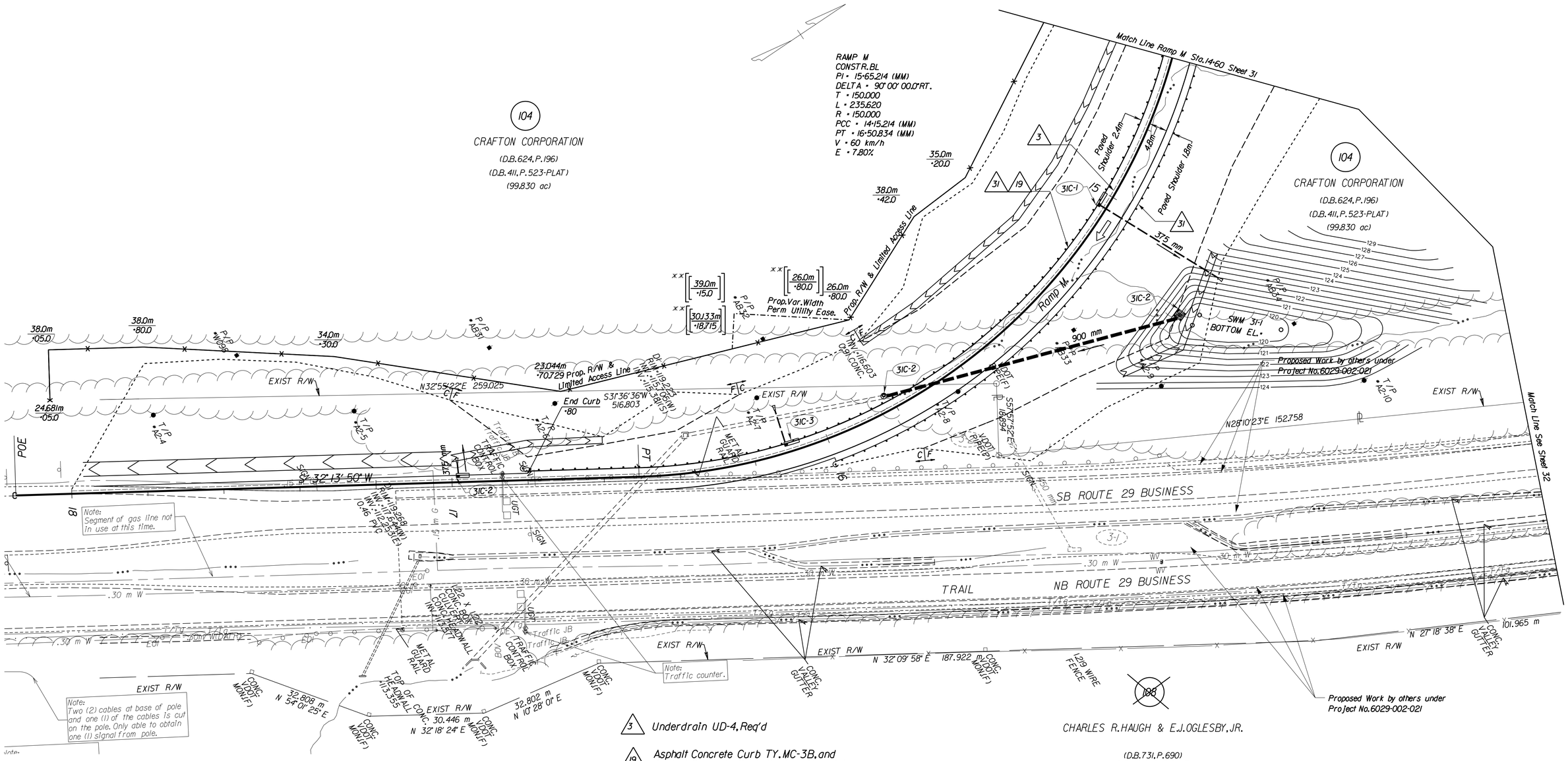
VDOT BRIDGE

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-30-99 3-22-00 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	31C



SURVEYED BY: ROUSE-SIRINE, ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS, BRINCKERHOFF, QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$
REVISED BY:

Notes:

- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C _ _ _ _ Denotes Construction Limits in Cuts
- F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

** Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

3 Underdrain UD-4, Req'd

19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd

31 Guardrail GR-2, Req'd

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Ramp M Profile	31D
Utility Companies	(X)
Drainage Descriptions	(XX)

Proposed right-of-way on the western side of the roadway is based on the Ramp M construction baseline.

METRIC SCALE 1:500
0 10 m 20 m

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-30-99 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	32

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

Notes:

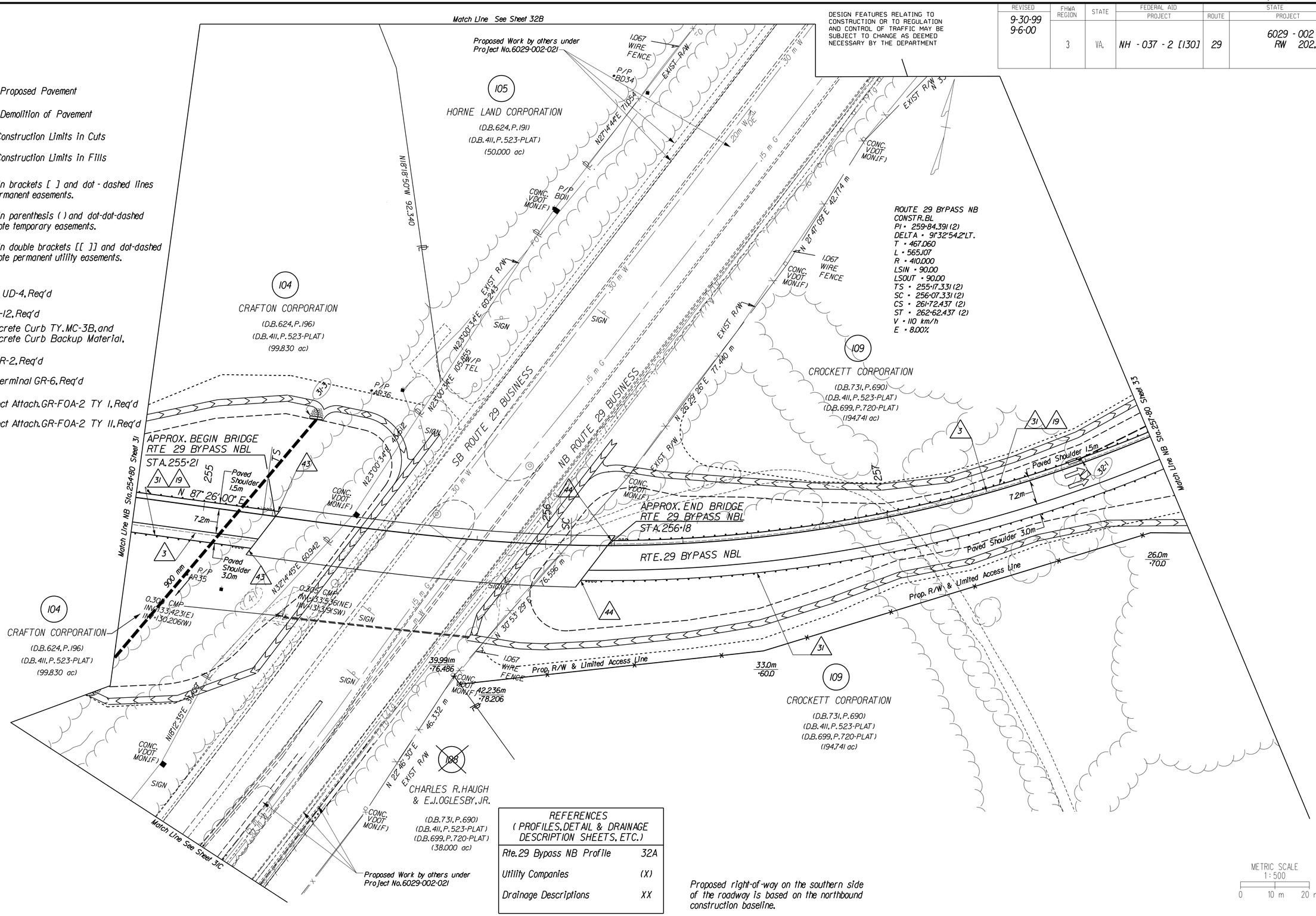
- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C ---- Denotes Construction Limits in Cuts
- F ---- Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

- 3 — Underdrain UD-4, Req'd
- 8 — EndWall EW-12, Req'd
- 19 — Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd
- 31 — Guardrail GR-2, Req'd
- 35 — Guardrail Terminal GR-6, Req'd
- 43 — Fixed Object Attach. GR-FOA-2 TY I, Req'd
- 44 — Fixed Object Attach. GR-FOA-2 TY II, Req'd



REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	32A
Utility Companies	(X)
Drainage Descriptions	XX

Proposed right-of-way on the southern side of the roadway is based on the northbound construction baseline.

METRIC SCALE
1:500
0 10 m 20 m

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		32

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-30-99 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	32B

Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C _ _ _ _ Denotes Construction Limits in Cuts

F _ _ _ _ Denotes Construction Limits in Fills

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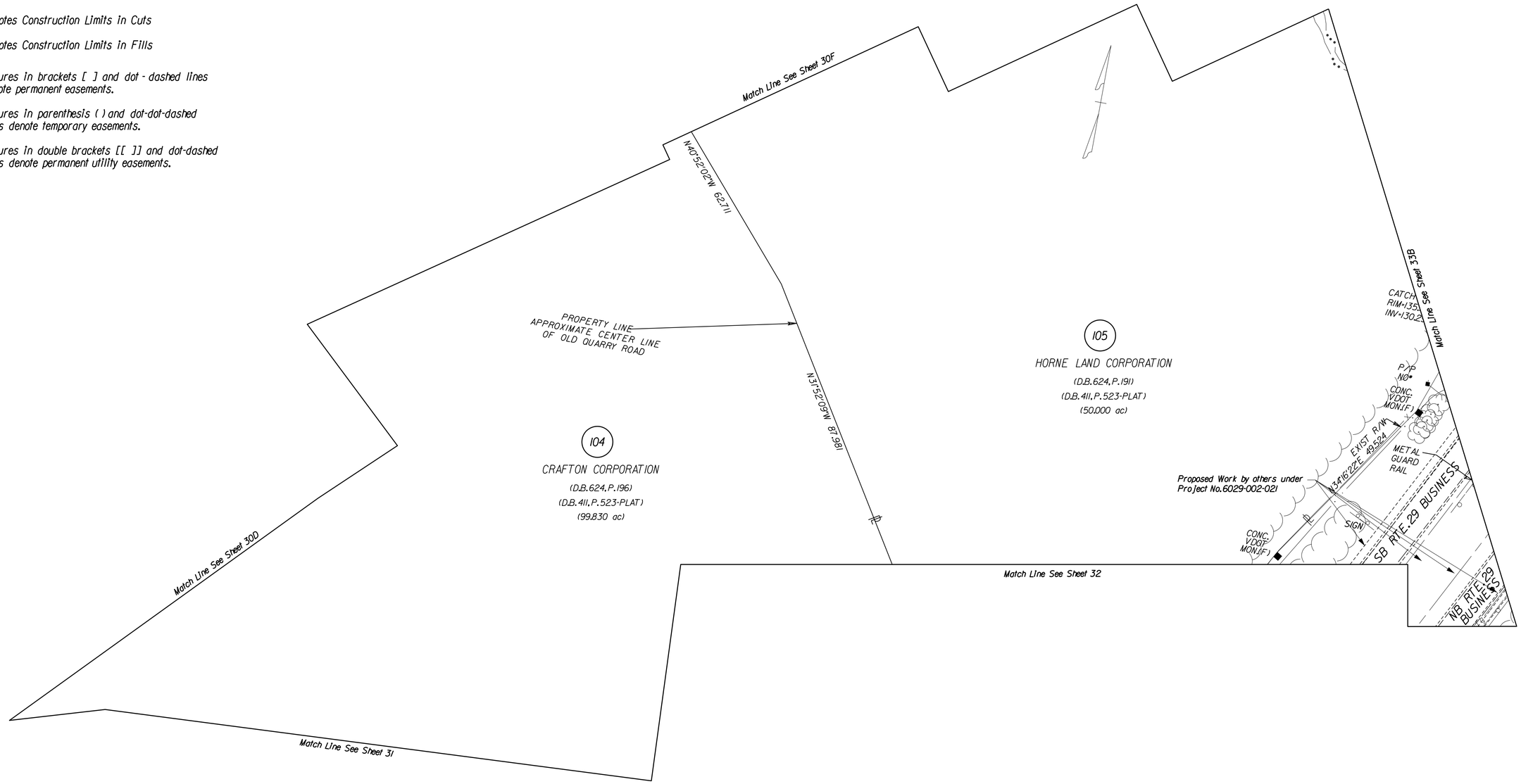


REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	32A
Utility Companies	(X)
Drainage Descriptions	(XX)

Proposed right-of-way on the southern side of the roadway is based on the northbound construction baseline.

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT (METRIC)

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		32B

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-30-99 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	33

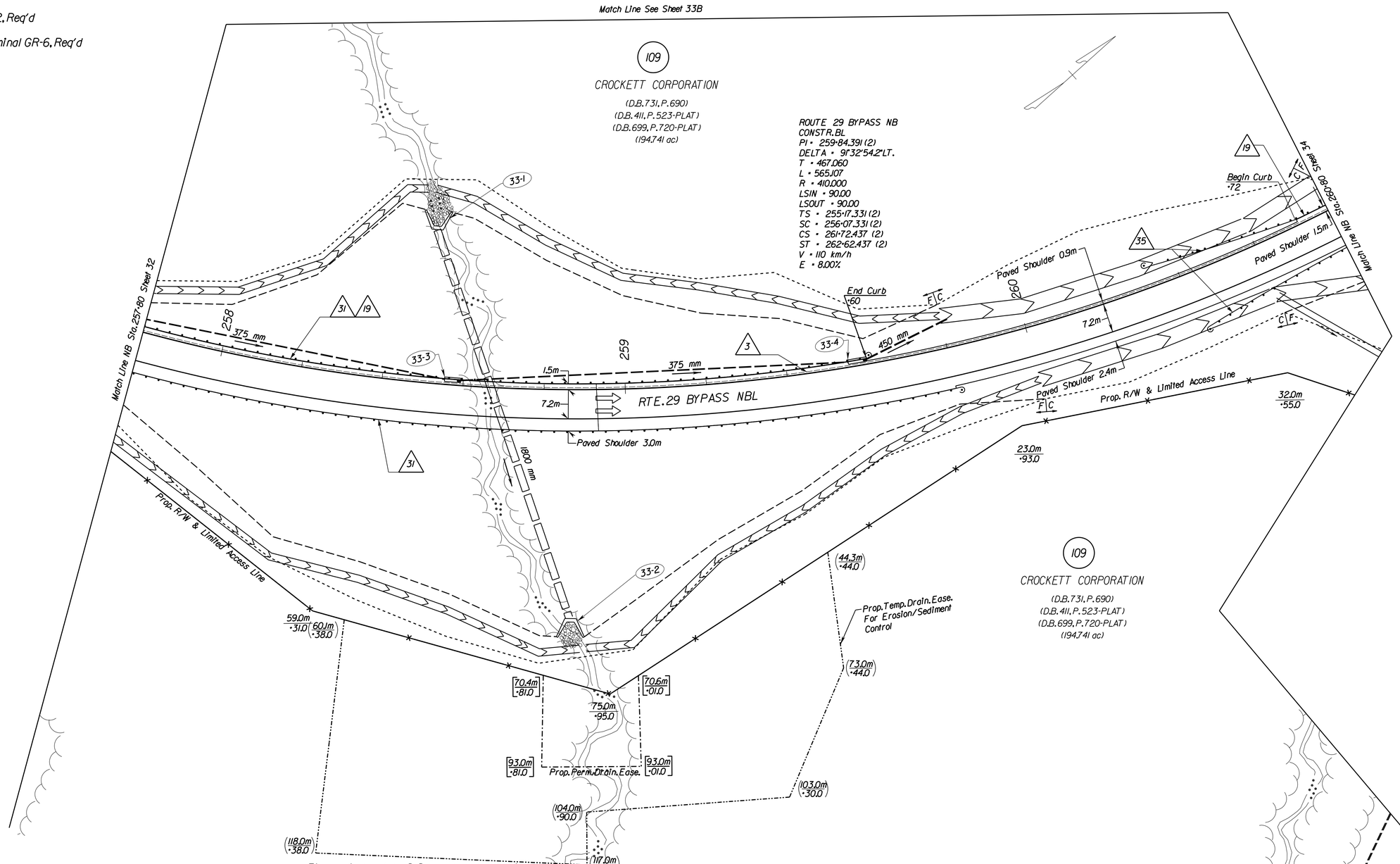
3 Underdrain UD-4, Req'd

8 EndWall EW-12, Req'd

19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd

31 Guardrail GR-2, Req'd

35 Guardrail Terminal GR-6, Req'd



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

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Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	33A
Utility Companies	(X)
Drainage Descriptions	XX

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

METRIC SCALE
1 : 500
0 10 m 20 m

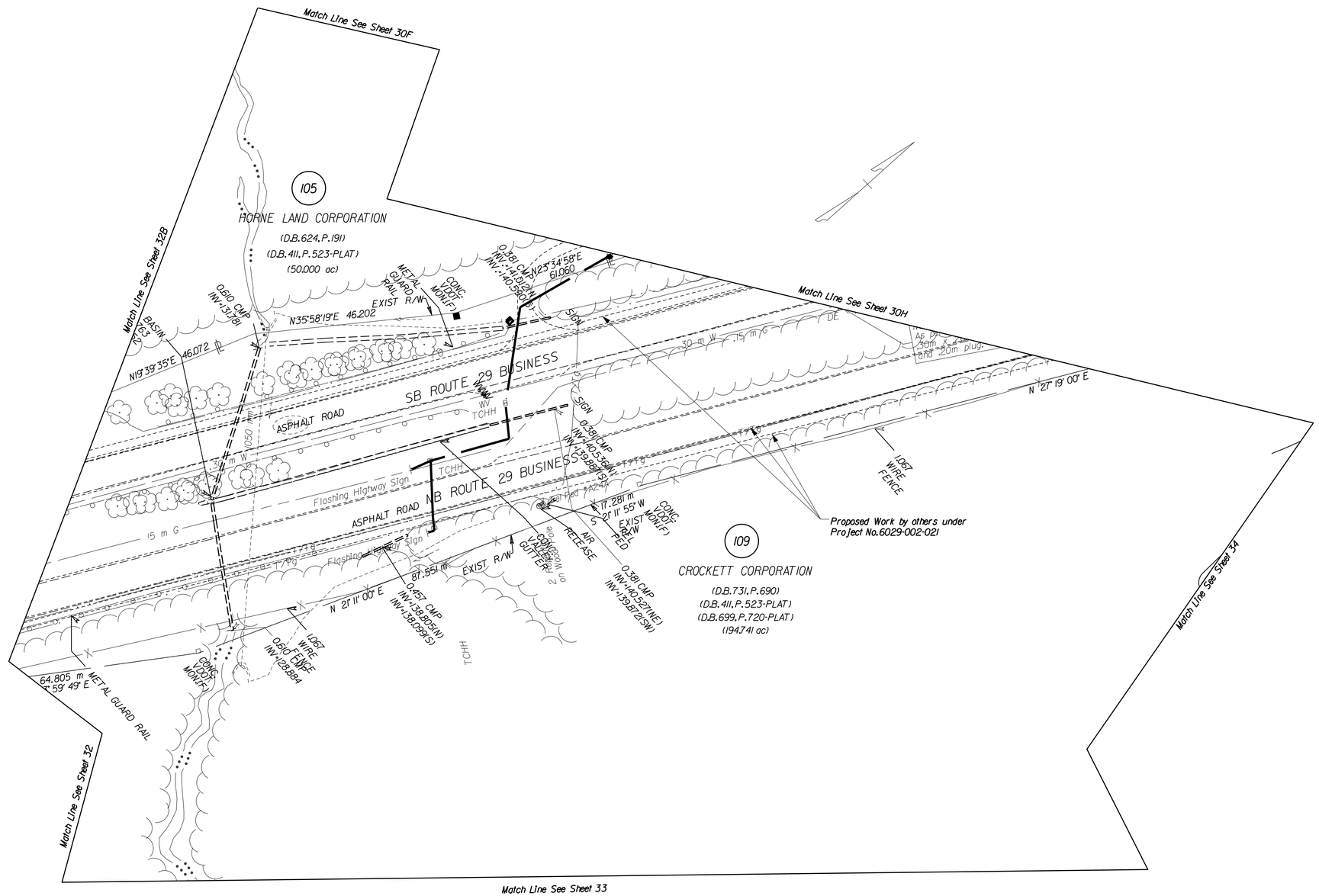
SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
9-30-99 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	33B



Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C _ _ _ _ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

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Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	33A
Utility Companies	(X)
Drainage Descriptions	(XX)

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

METRIC SCALE
1 : 500
0 10 m 20 m

VDOT SHEETPRO

SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$$DESIGN$$FILE$SPECIFICATION$$$$$$$$
REVISED BY:

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		33B

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-26-00 2-14-01	9-30-99 3-22-00 6-5-00 6-20-00 9-6-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	34

Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C _ _ _ _ Denotes Construction Limits in Cuts

F _ _ _ Denotes Construction Limits in Fills

Figures in brackets [ ] and dot - dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

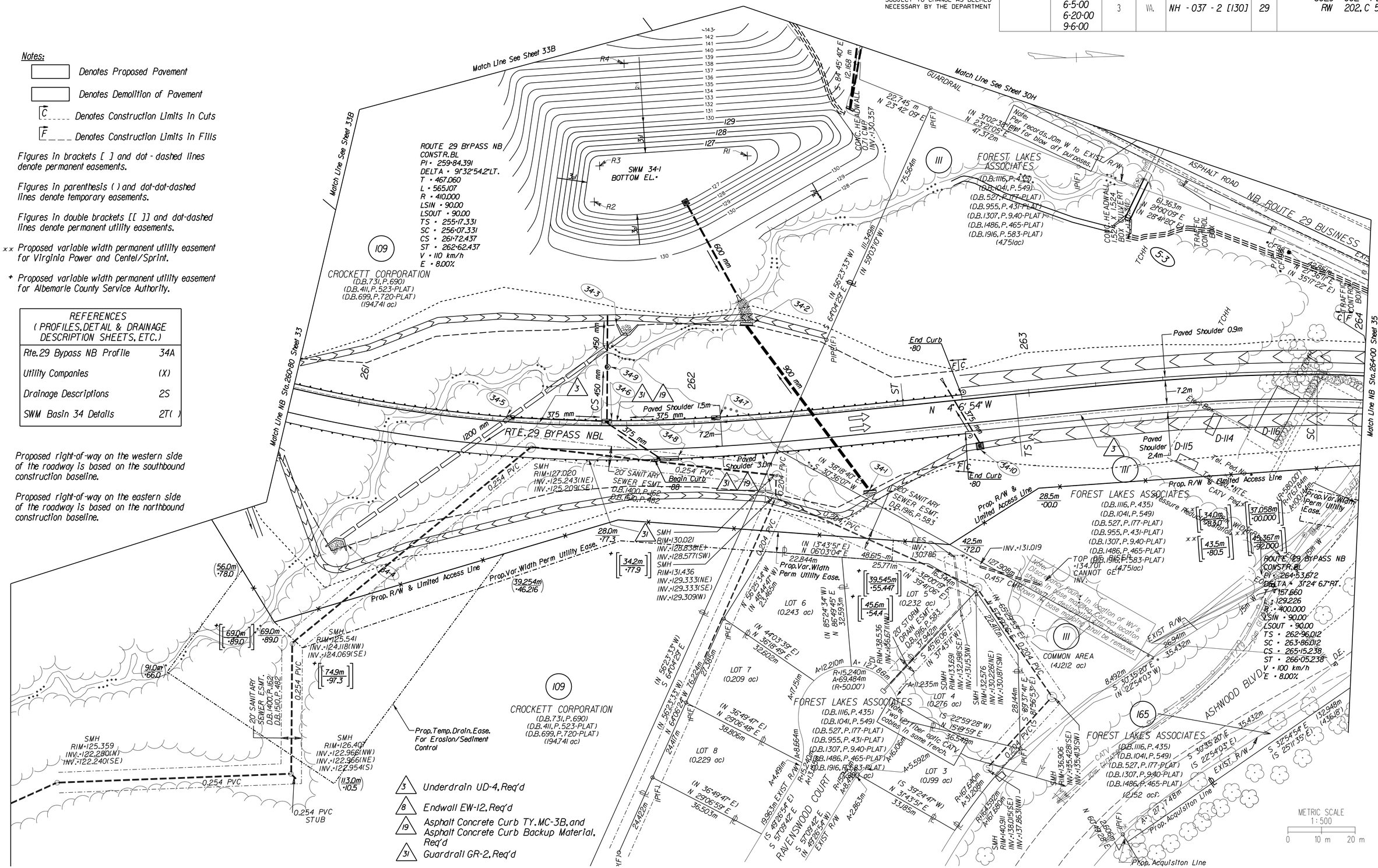
** Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

* Proposed variable width permanent utility easement for Albemarle County Service Authority.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	34A
Utility Companies	(X)
Drainage Descriptions	2S
SWM Basin 34 Details	2T( )

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.



Underdrain UD-4, Req'd

Endwall EW-12, Req'd

Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd

Guardrail GR-2, Req'd

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PATSY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILE$SPECIFICATION$$$$$$$$
REVISED BY

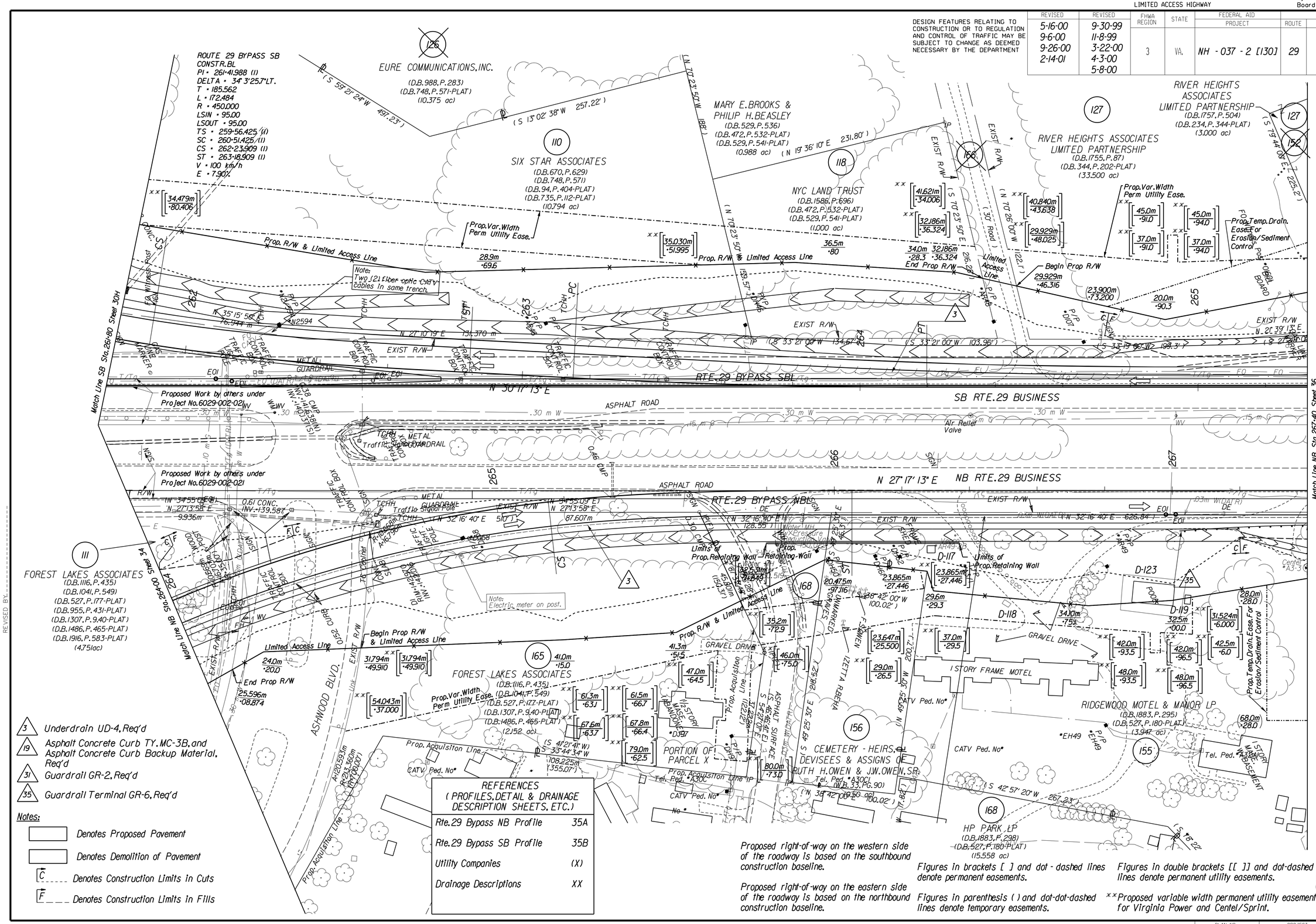
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		34

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
5-16-00 9-6-00 9-26-00 2-14-01	9-30-99 11-8-99 3-22-00 4-3-00 5-8-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	35



3 Underdrain UD-4, Req'd

19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd

31 Guardrail GR-2, Req'd

35 Guardrail Terminal GR-6, Req'd

Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	35A
Rte. 29 Bypass SB Profile	35B
Utility Companies	(X)
Drainage Descriptions	XX

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

Figures in brackets [ ] and dot-dashed lines denote permanent easements.

Figures in parenthesis ( ) and dot-dot-dashed lines denote temporary easements.

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** Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

SURVEYED BY ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY PAT'SY NAPIER (804) 786-2566
DESIGNED BY PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR $$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY

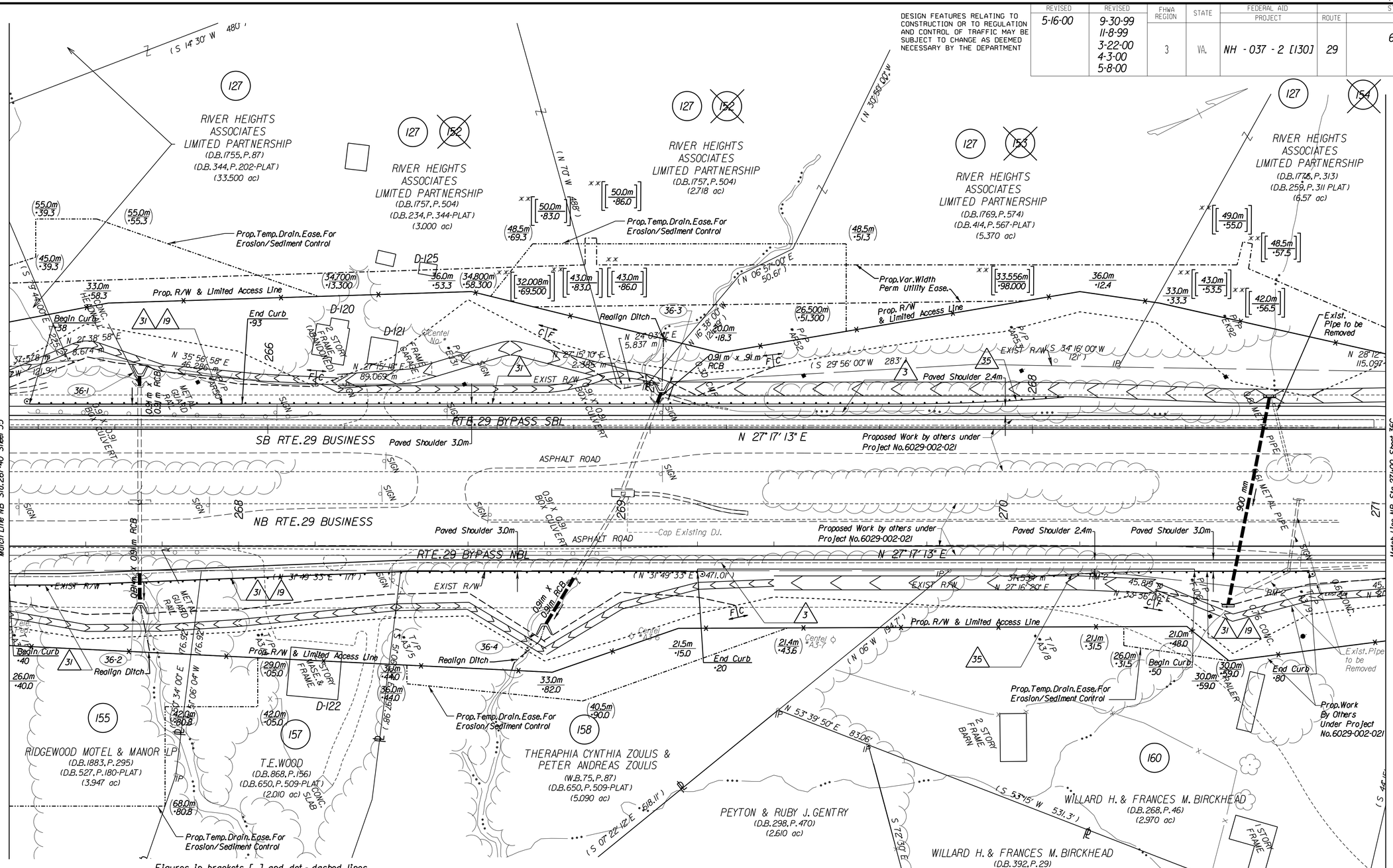
PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		35

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
5-16-00	9-30-99 11-8-99 3-22-00 4-3-00 5-8-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	36



SURVEYED BY: ROUSE-SIRINE ASSOCIATES, LTD.
SUPERVISED BY: PATSY NAPIER (804) 786-2566
DESIGNED BY: PARSONS BRINCKERHOFF QUADE & DOUGLAS
CADD OPERATOR: $$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$
REVISED BY:

Notes:

- Denotes Temp. Filter Barrier Req'd
- Denotes Temp. Silt Fence Req'd
- Denotes Proposed Pavement
- Denotes Demolition of Pavement
- C ____ Denotes Construction Limits in Cuts
- F ____ Denotes Construction Limits in Fills

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Figures in double brackets [[ ]] and dot-dashed lines denote permanent utility easements.

** Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

Denotes Check Dams (Rock) TyII Req'd

3 Underdrain UD-4, Req'd

19 Asphalt Concrete Curb TY. MC-3B, and Asphalt Concrete Curb Backup Material, Req'd

31 Guardrail GR-2, Req'd

35 Guardrail Terminal GR-6, Req'd

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte. 29 Bypass NB Profile	36A
Rte. 29 Bypass SB Profile	36B
Utility Companies	(X)
Drainage Descriptions	XX

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

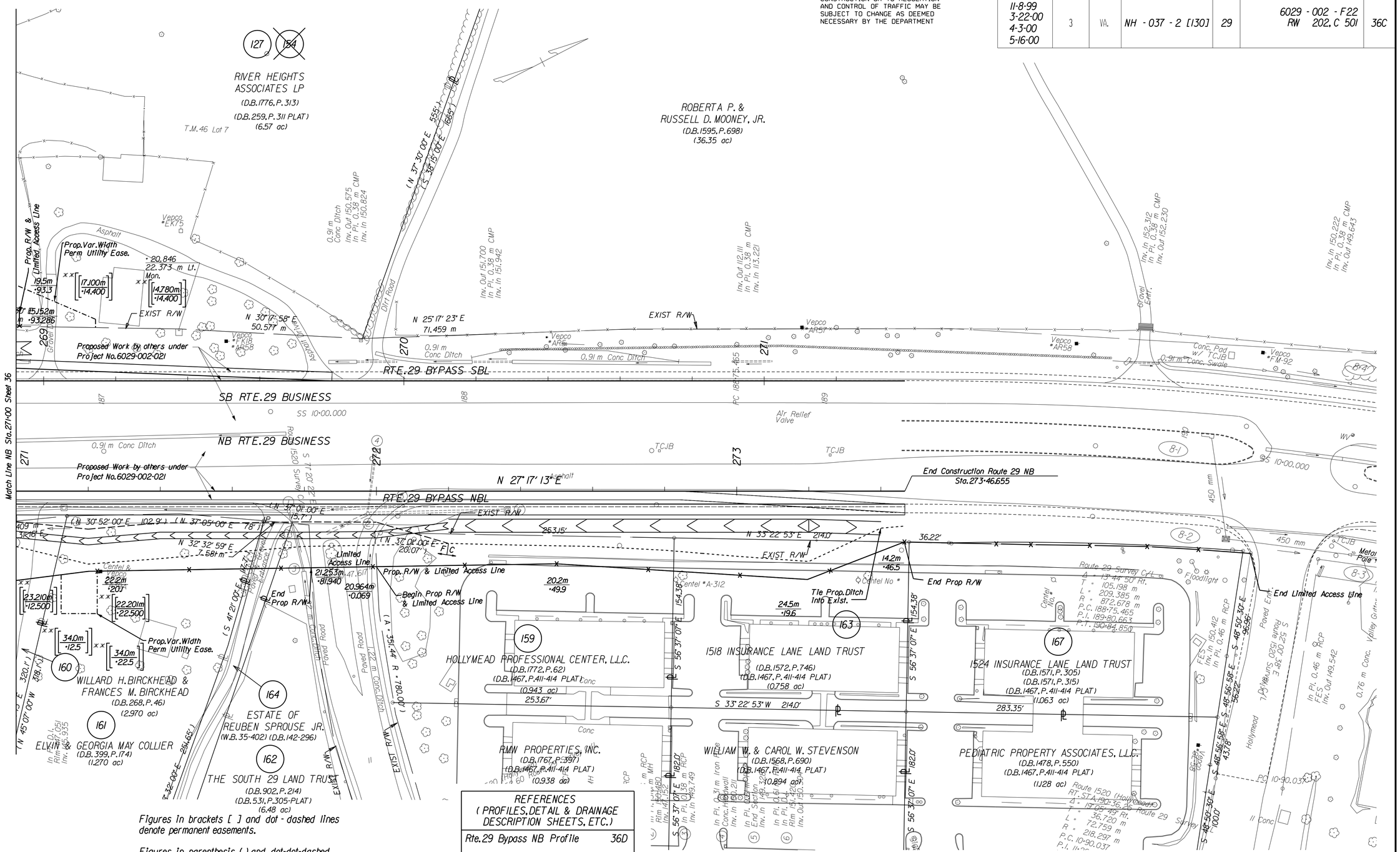
METRIC SCALE 1:500
0 10 m 20 m

LIMITED ACCESS HIGHWAY

By Resolution of Commonwealth Transportation Board dated April 17, 1997

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

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
9-30-99 11-8-99 3-22-00 4-3-00 5-16-00	3	VA.	NH - 037 - 2 [130]	29	6029 - 002 - F22 RW 202, C 501	36C



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** Proposed variable width permanent utility easement for Virginia Power and Centel/Sprint.

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Rte.29 Bypass NB Profile	36D
Rte.29 Bypass SB Profile	36E
Utility Companies	(X)
Drainage Descriptions	(XX)

Proposed right-of-way on the western side of the roadway is based on the southbound construction baseline.

Proposed right-of-way on the eastern side of the roadway is based on the northbound construction baseline.

Notes:

Denotes Proposed Pavement

Denotes Demolition of Pavement

C Denotes Construction Limits in Cuts

F Denotes Construction Limits in Fills

SURVEYED BY _ROUSE-SIRINE, ASSOCIATES,LTD.
SUPERVISED BY_PATSY NAPIER (804)786-2566
DESIGNED BY_ PARSONS, BRINCKERHOFF, QUADE & DOUGLAS
CADD OPERATOR$$$$$$$$DESIGN$FILES$SPECIFICATION$$$$$$$$
REVISED BY_

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	6029 - 002 - F22		36C