

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	RI

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT

KY 1819 - BILLTOWN ROAD GRADE, DRAIN AND SURFACING PLANS FD04 056 1819 005-008

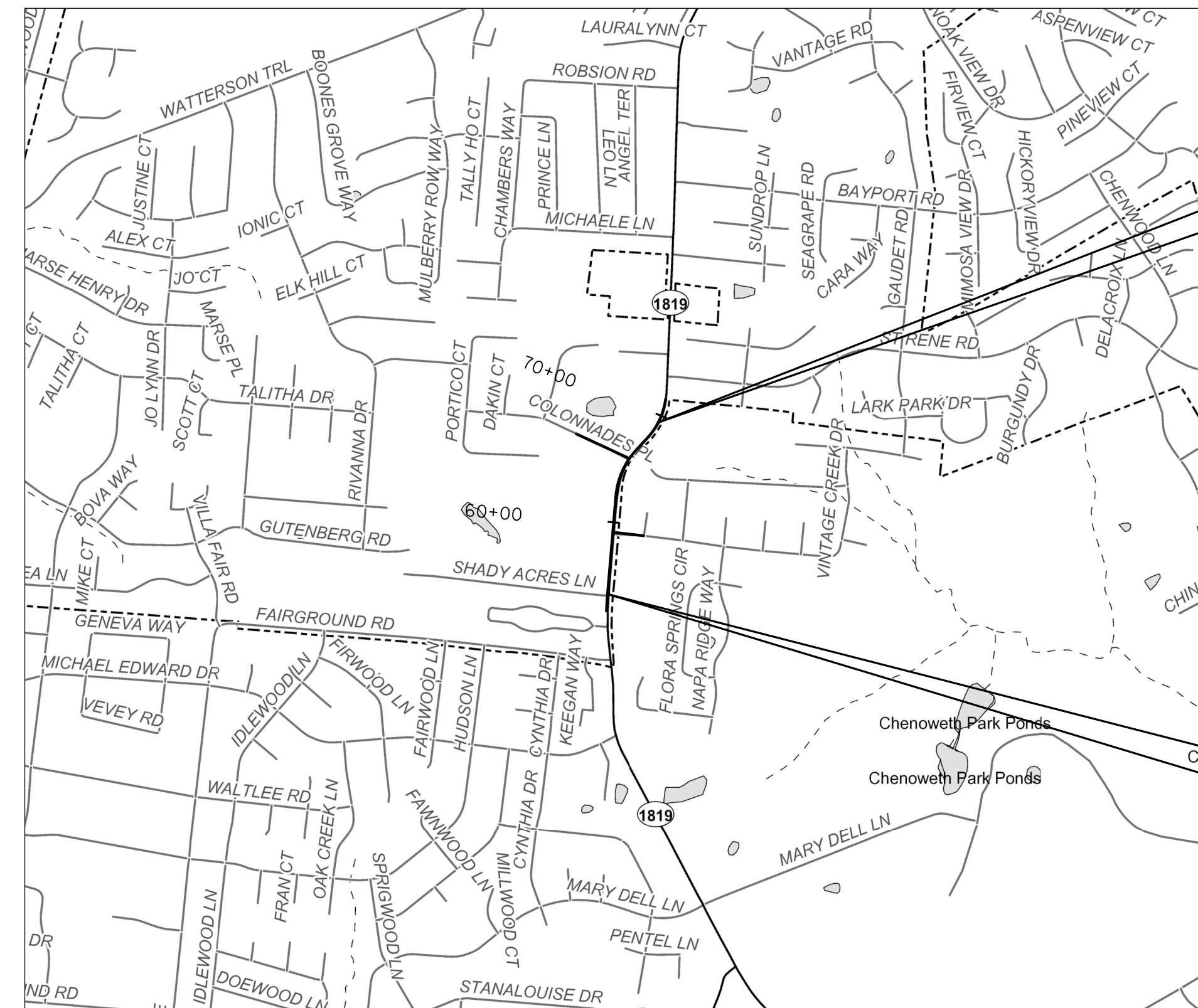


SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2 - R2F	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3 - R12	PLAN AND PROFILE SHEETS
R13	UTILITY REFERENCE SHEETS
R14	RIGHT OF WAY SUMMARY SHEETS
R15 - R16	RIGHT OF WAY STRIP MAP SHEETS
R17 - R18	COORDINATE CONTROL SHEETS
R19 - R24	DETAIL SHEETS
R25 - R28	TRAFFIC CONTROL SHEETS
R29 - R30	EROSION CONTROL SHEETS
	MITIGATION PLAN SHEETS
	SOIL PROFILE SHEETS
	PIPE DRAINAGE SHEETS
R31 - R35	
S	STRUCTURE PLANS
T1	TRAFFIC PLANS
U	UTILITY RELOCATION PLANS
X1 - X55	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS

STANDARD DRAWINGS

NUMBER



END CONSTRUCTION
STA. 69+40.00

BEGIN CONSTRUCTION
STA. 54+00.00

THE CONTROL OF ACCESS ON THIS
PROJECT SHALL BE BY PERMIT

DESIGN CRITERIA

CLASS OF HIGHWAY	URBAN ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	45 MPH/35 MPH
REQUIRED NPSD	660 FT.-45 MPH/380 FT.-35 MP
REQUIRED PSD	
LEVEL OF SERVICE	
ADT PRESENT (2009)	12,000 - 14,000
ADT FUTURE (2025)	16,700 - 19,000
DHV (2025)	2,000 - 2,140
D %	
T %	

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 10 MINUTES 36 SECONDS NORTH
LONGITUDE 85 DEGREES 34 MINUTES 22 SECONDS WEST

DESIGNED

% RESTRICTED SD	
LEVEL OF SERVICE	
MAX. DISTANCE W/O PASSING	

LENGTH	LIN. FT.	MILES	LENGTH	LIN. FT.	MILES	LENGTH	LIN. FT.	MILES	LENGTH	LIN. FT.	MILES
ADDED			ADDED			ADDED			ADDED		
DEDUCTED			DEDUCTED			DEDUCTED			DEDUCTED		
FOR EQUALITIES			FOR EQUALITIES			FOR EQUALITIES			FOR EQUALITIES		
NOT INCLUDED			NOT INCLUDED			NOT INCLUDED			NOT INCLUDED		
RAILROAD CROSSINGS NO.			RAILROAD CROSSINGS NO.			RAILROAD CROSSINGS NO.			RAILROAD CROSSINGS NO.		
BRIDGES			BRIDGES			BRIDGES			BRIDGES		



SCALE IN FEET
LAYOUT MAP

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
JEFFERSON

ITEM NO. 5-8203.00
PROJECT NUMBER: FD04 056 1819 005-008
LETTING DATE: _____

RECOMMENDED BY: _____ PROJECT MANAGER DATE: _____

PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER DATE: _____

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\COLONNADES\0805CLAYOUT.DGN

USER: ryan DATE PLOTTED: February 20, 2012

E-SHEET NAME:

MicroStation v8.11.7.180

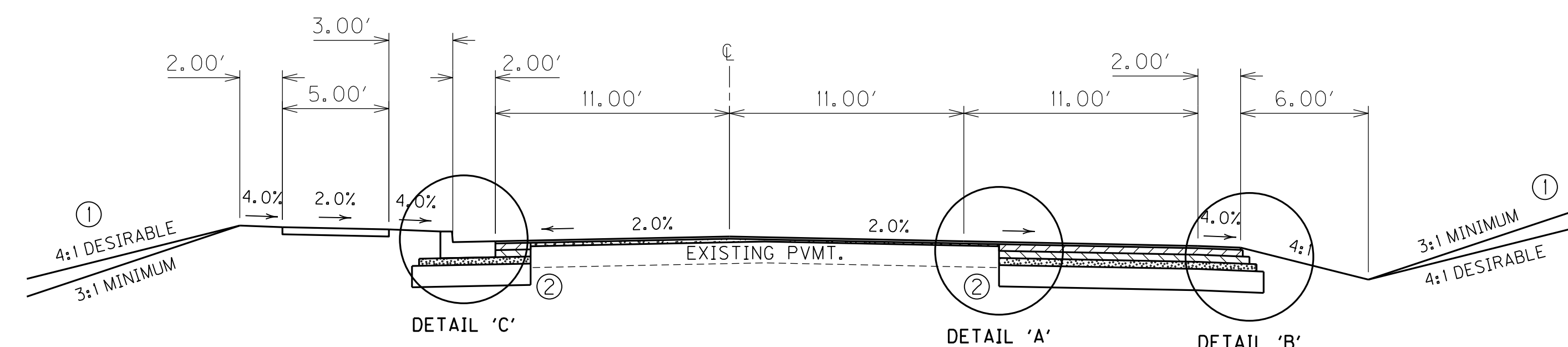
TYPICAL SECTIONS

(NOT TO SCALE)

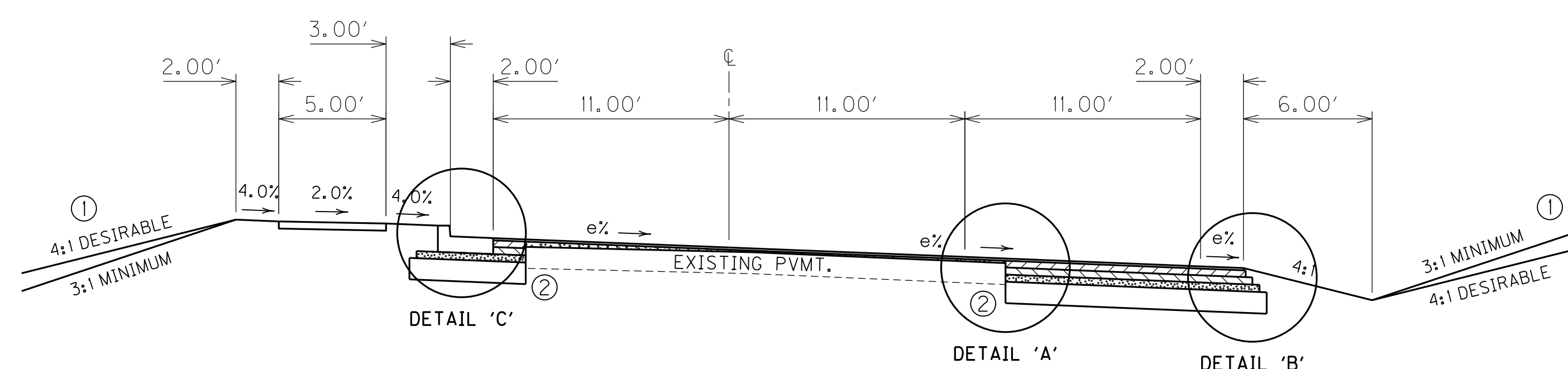
KY. 1819 - BILLTOWN ROAD
PAVEMENT DESIGN

TRAFFIC LANES & PAVED SHOULDERS

CL3 Asph Surf 0.38A PG64-22	1.25 in.
CL3 Asph Base 1.00D PG64-22	3.75 in.
CL3 Asph Base 1.00D PG64-22	4.0 in.
Crushed Stone Base	4.0 in.

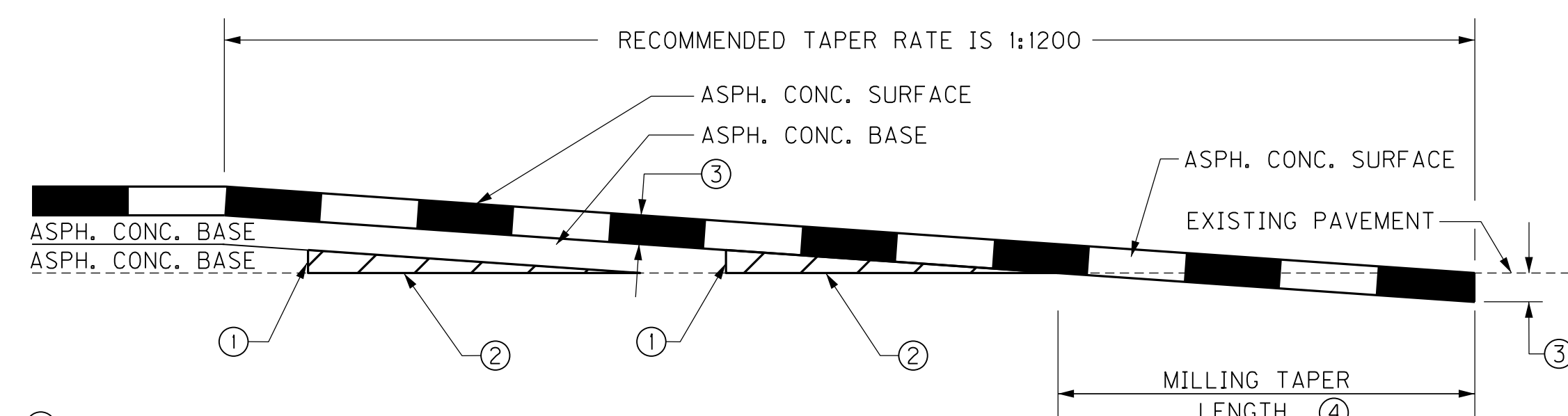
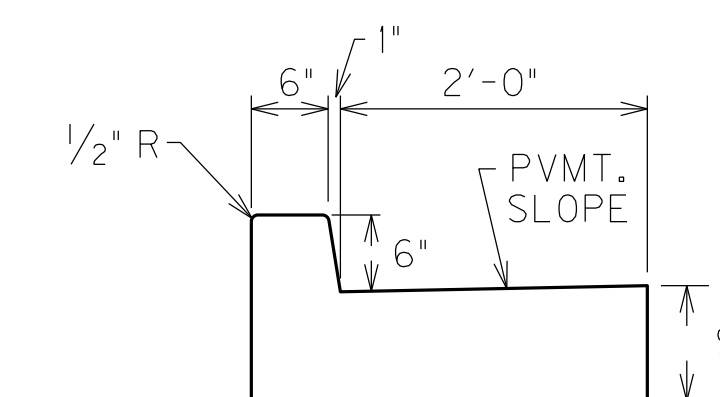
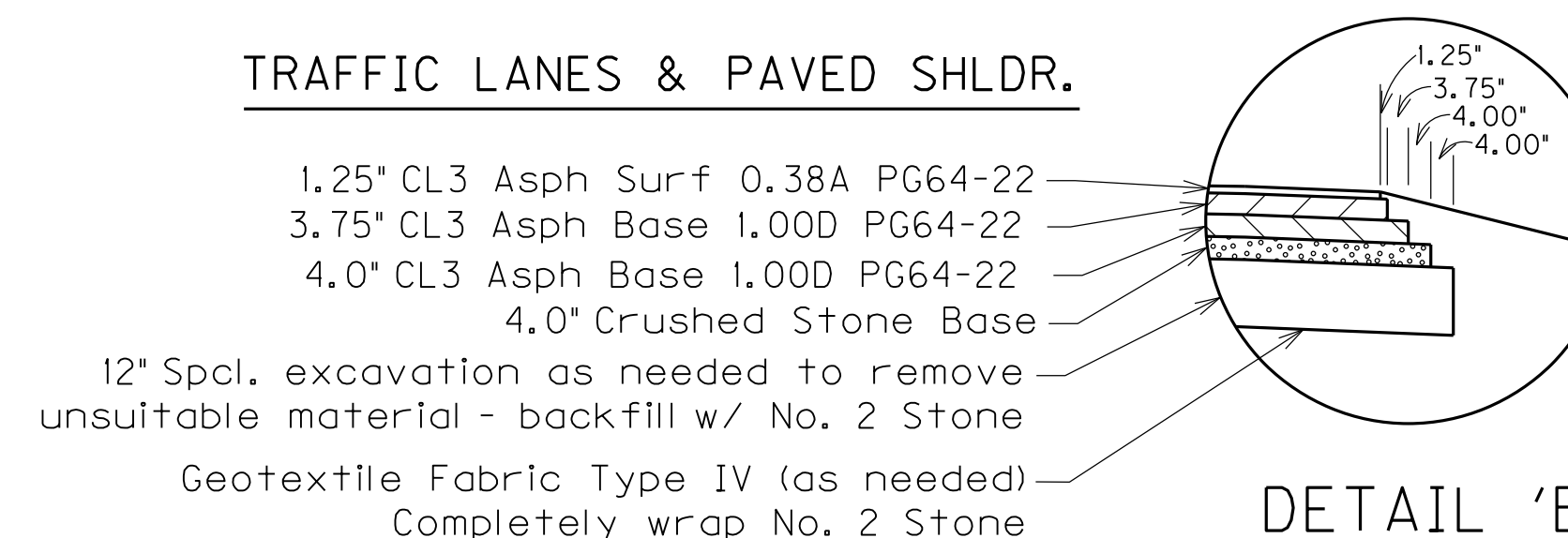
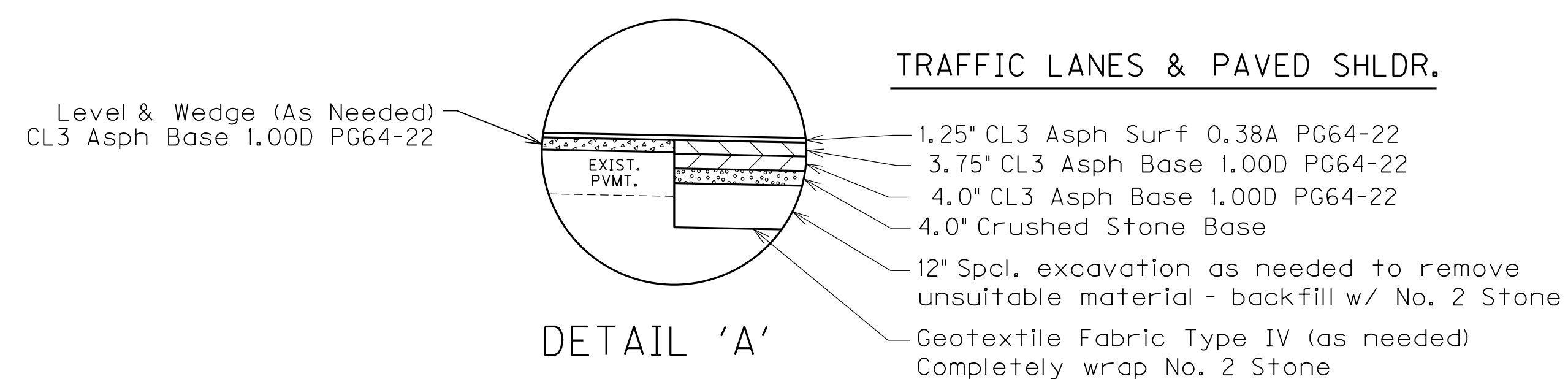


KY. 1819 - BILLTOWN ROAD
NORMAL 3-LANE SECTION



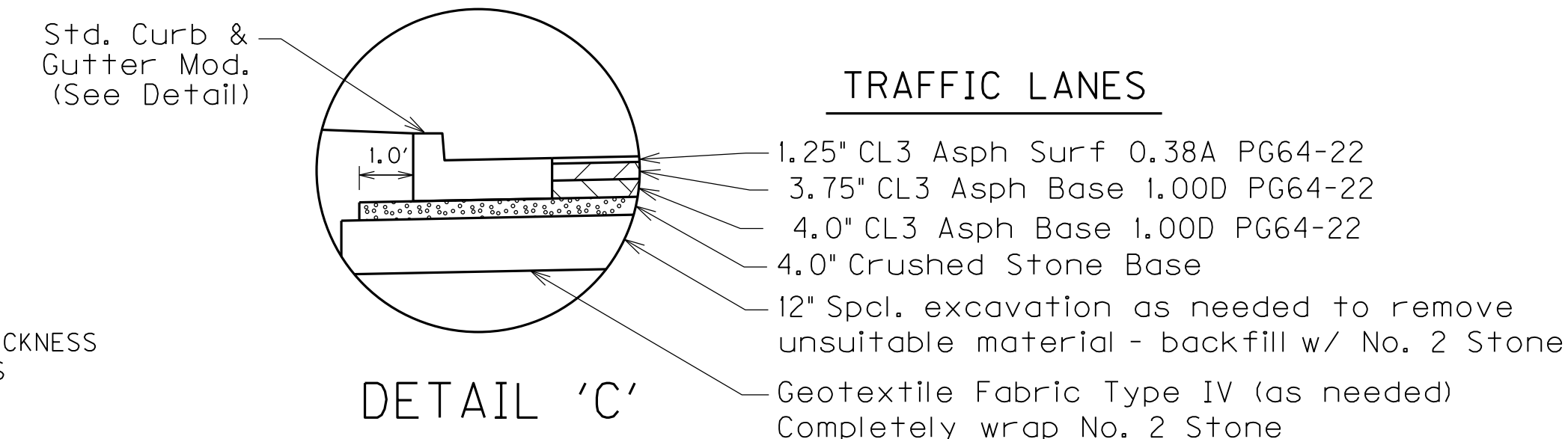
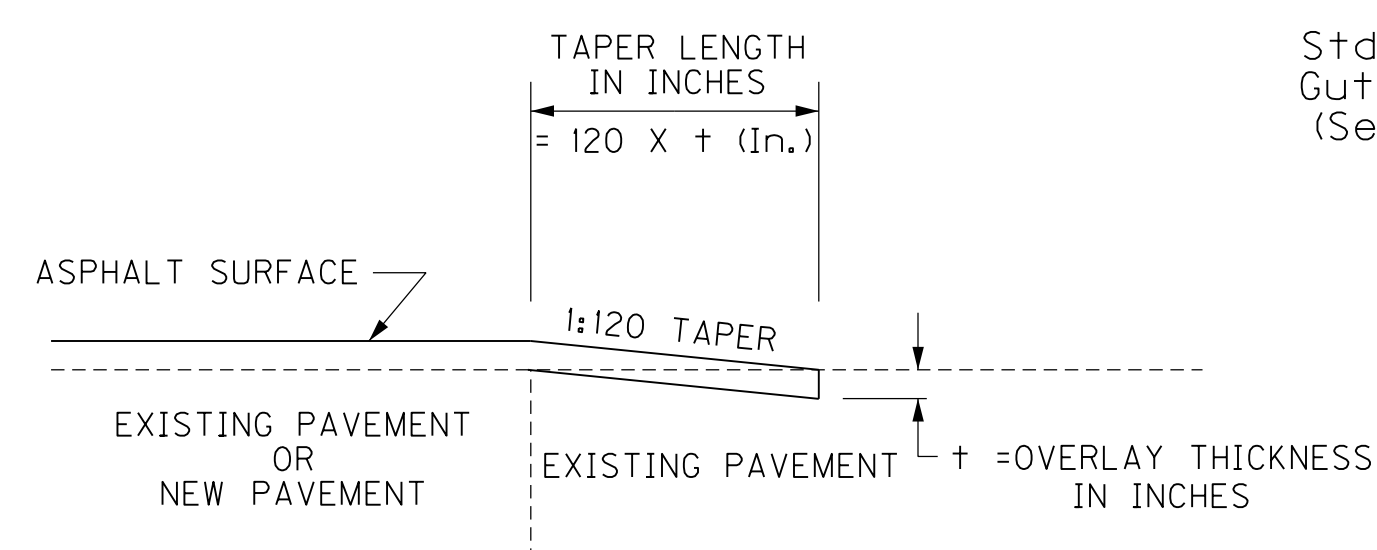
KY. 1819 - BILLTOWN ROAD
SUPERELEVATED 3-LANE SECTION

- NOTES: ① For slopes outside of shoulders, see X-Sects.
② Sawcut as required to obtain a uniform edge of existing pavement for widening



- ① MINIMUM COMPACTED THICKNESS
- ② ASPHALT MIXTURE FOR LEVELING AND WEDGING OR NEXT COURSE OF ASPHALT MIXTURE.
- ③ ASPHALT SURFACE THICKNESS (FULL DEPTH)
- ④ MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH (EDGE KEY).
TAPER LENGTH (ft) = $\frac{t}{12} \times (\text{in}) \times \text{TAPER RATE}$

FOR A TAPER RATE OF 1:1200
TAPER LENGTH = 125 FEET WHEN t = 1.25 inches
TAPER LENGTH = 150 FEET WHEN t = 1.50 inches



TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥ 45 MPH)

TAPERING OF OVERLAYS ON LOW SPEED FACILITIES (< 45 MPH)

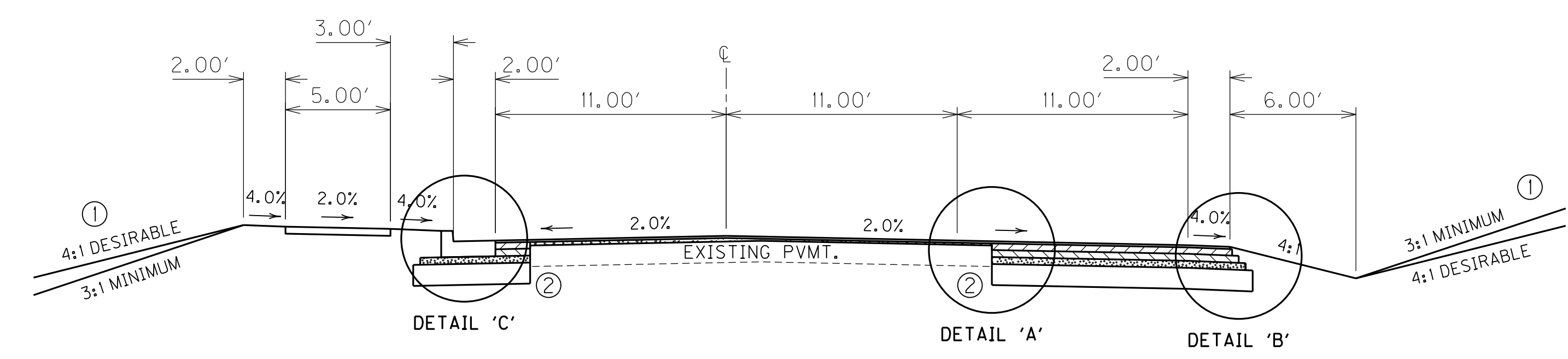
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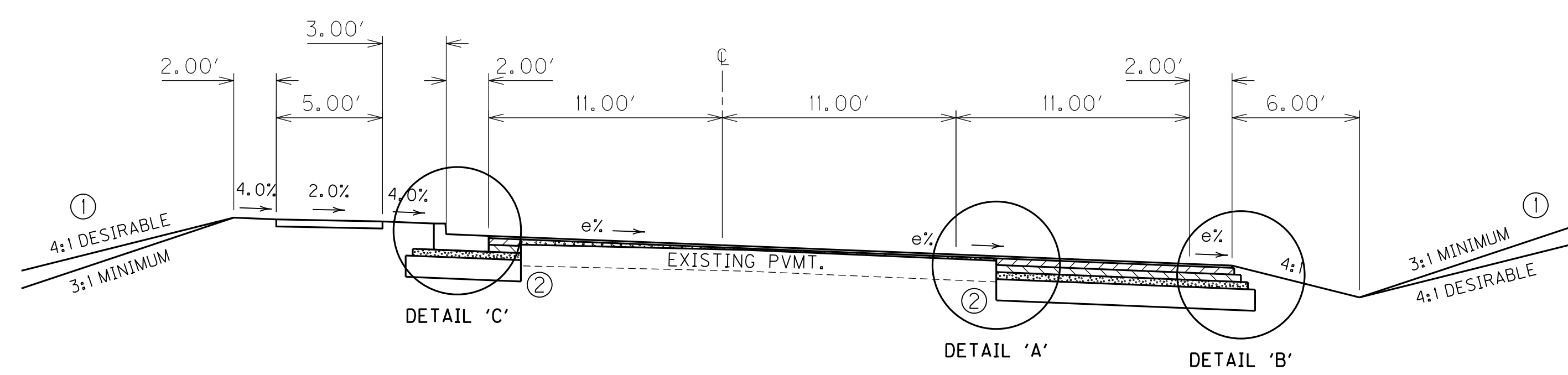
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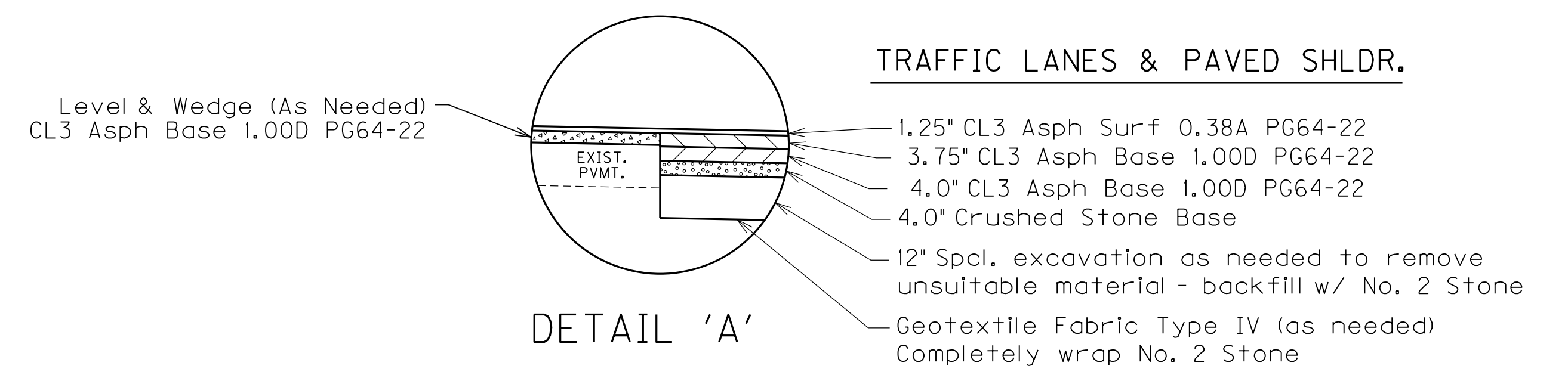


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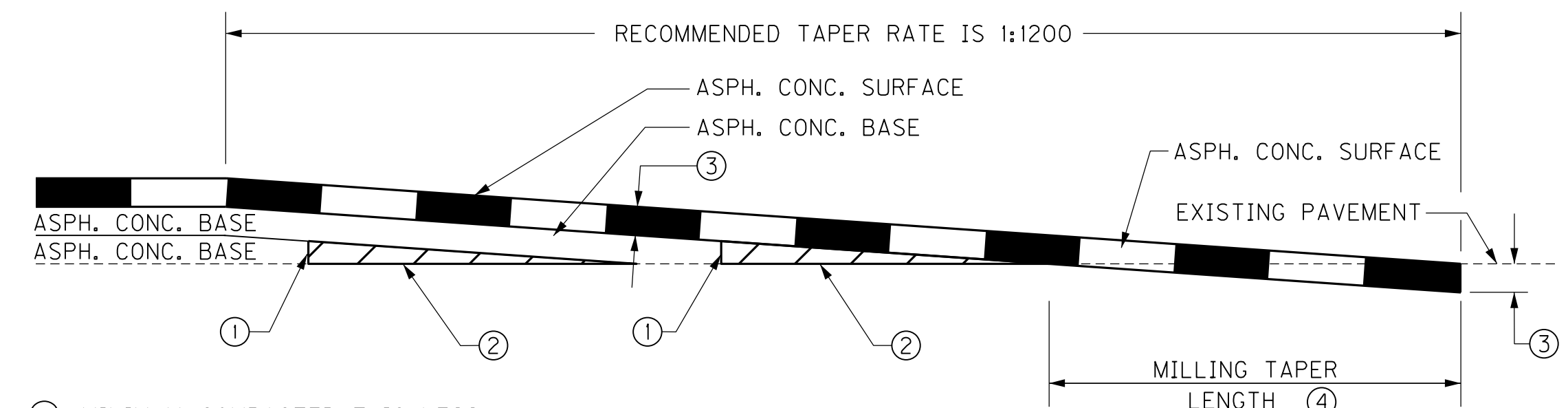
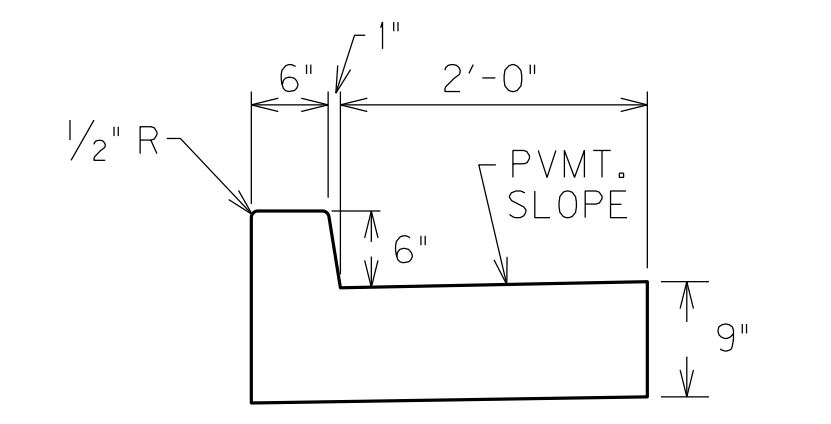
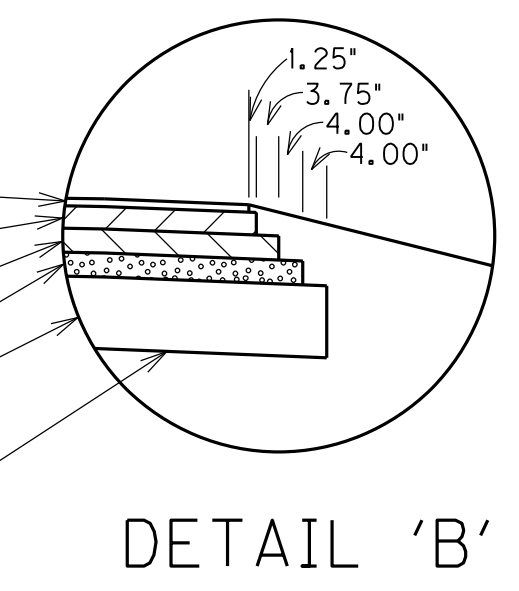
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SUPERELEVATED 3-LANE SECTION

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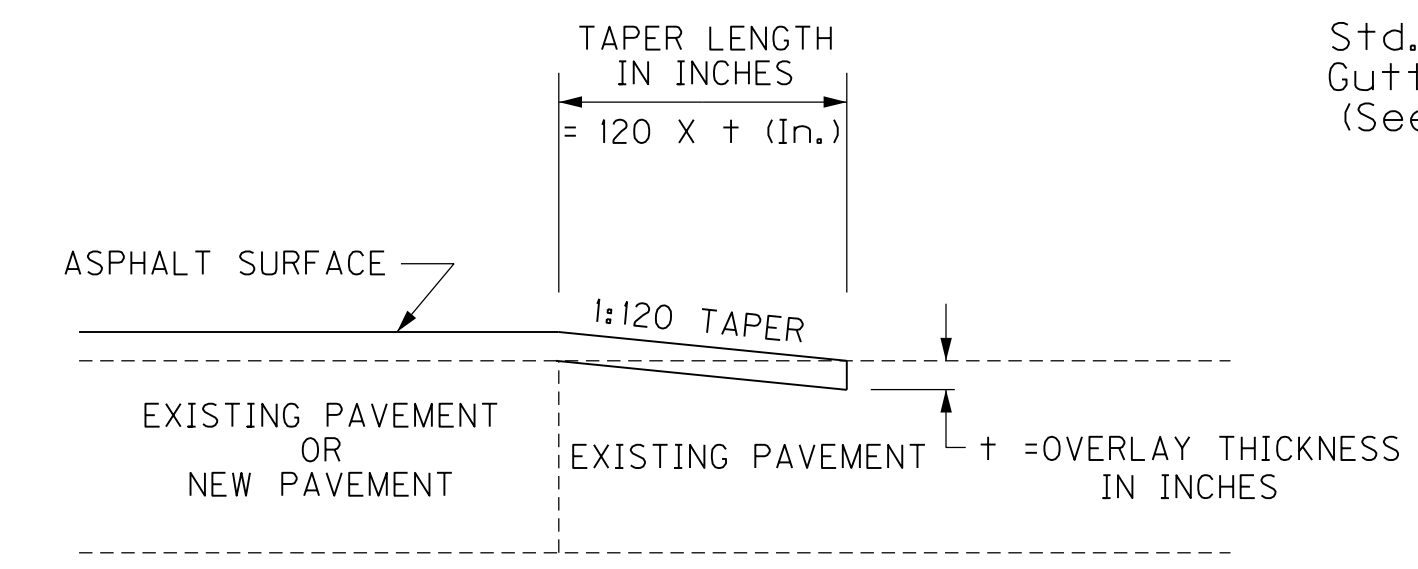
TRAFFIC LANES & PAVED SHLDR.

- 1.25" CL3 Asph Surf 0.38A PG64-22
- 3.75" CL3 Asph Base 1.00D PG64-22
- 4.0" CL3 Asph Base 1.00D PG64-22
- 4.0" Crushed Stone Base
- 12" Spcl. excavation as needed to remove unsuitable material - backfill w/ No. 2 Stone
- Geotextile Fabric Type IV (as needed)
- Completely wrap No. 2 Stone

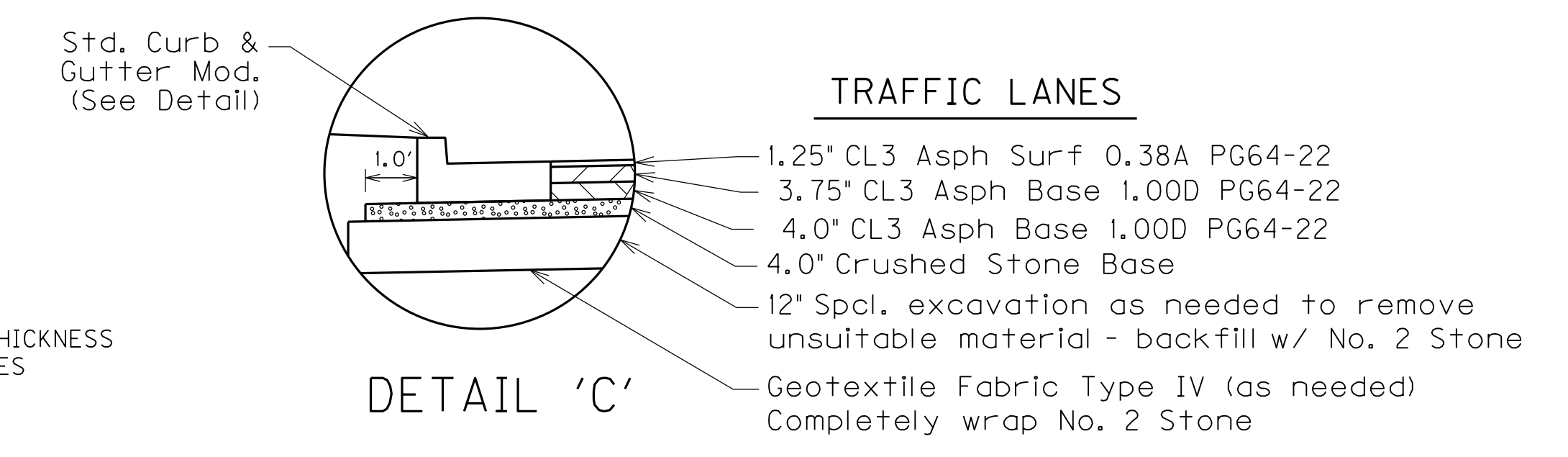


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TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥ 45 MPH)



TAPERING OF OVERLAYS ON LOW SPEED FACILITIES (< 45 MPH)



FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\COLONNADES\0805CTYPICAL.DGN
 USER: doug
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

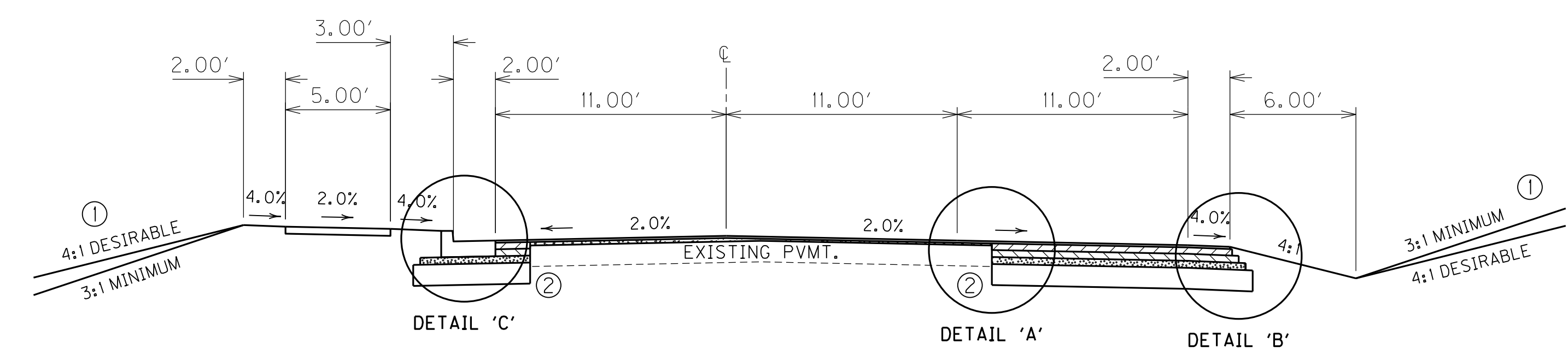
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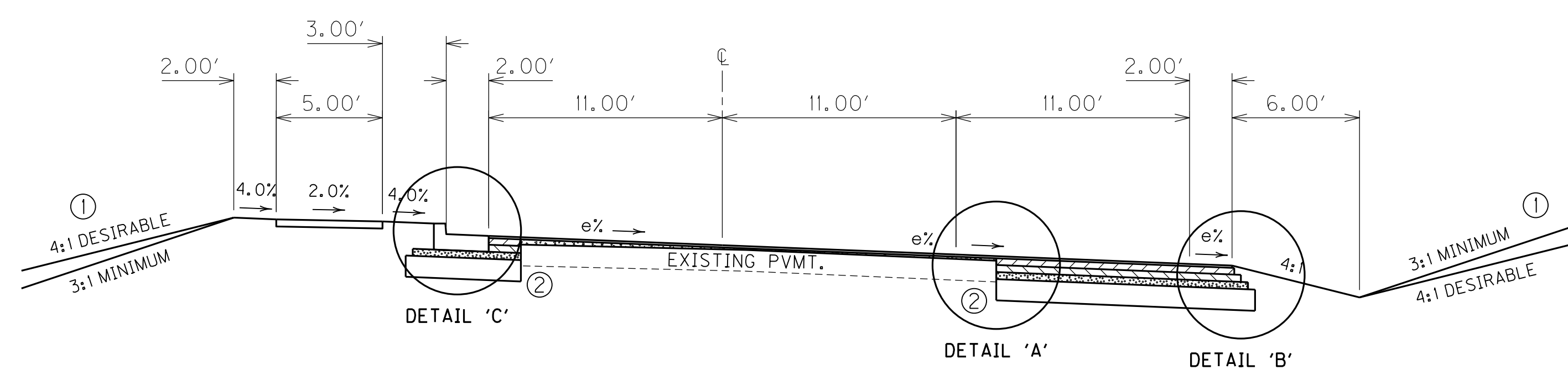
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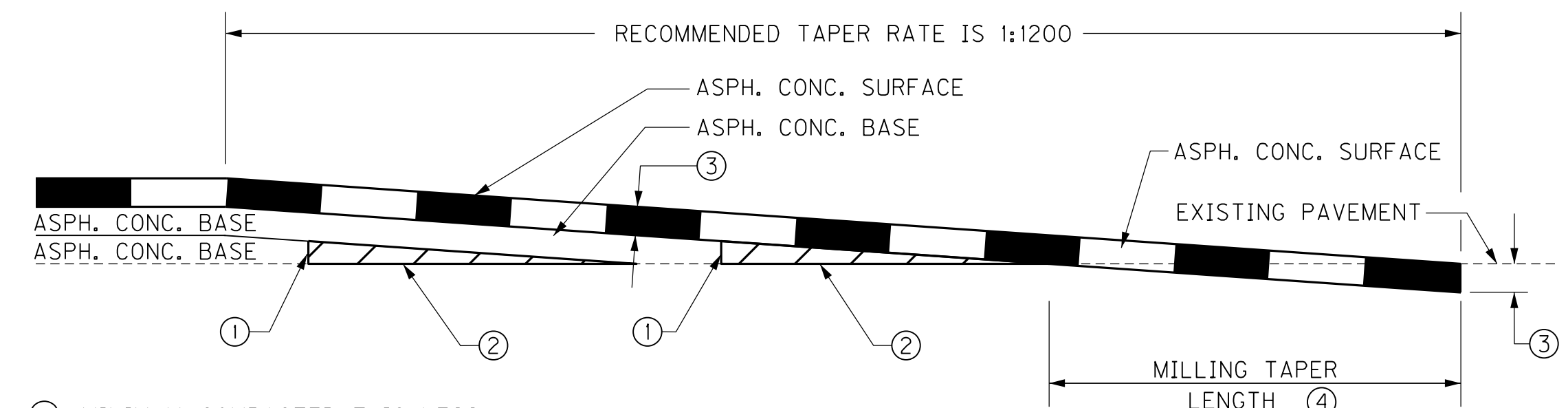
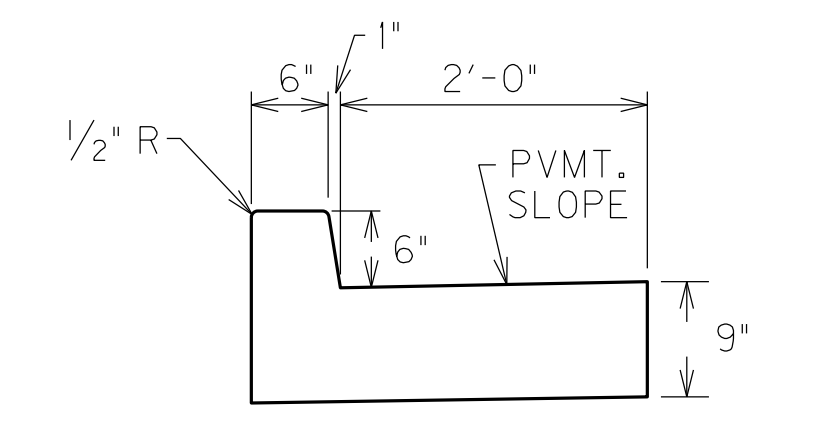
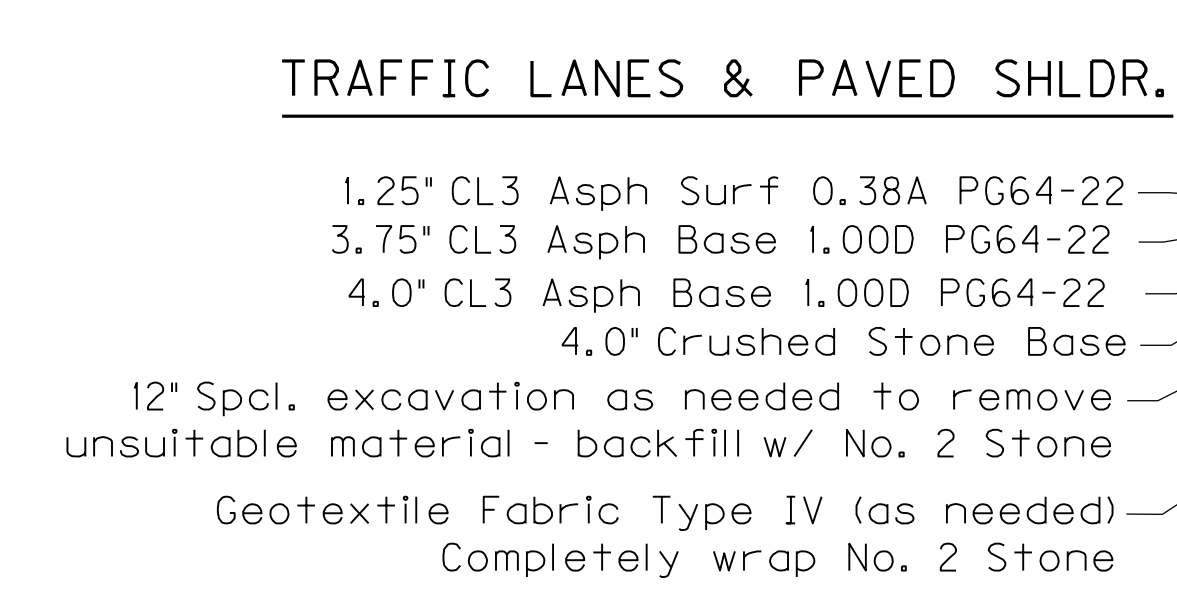
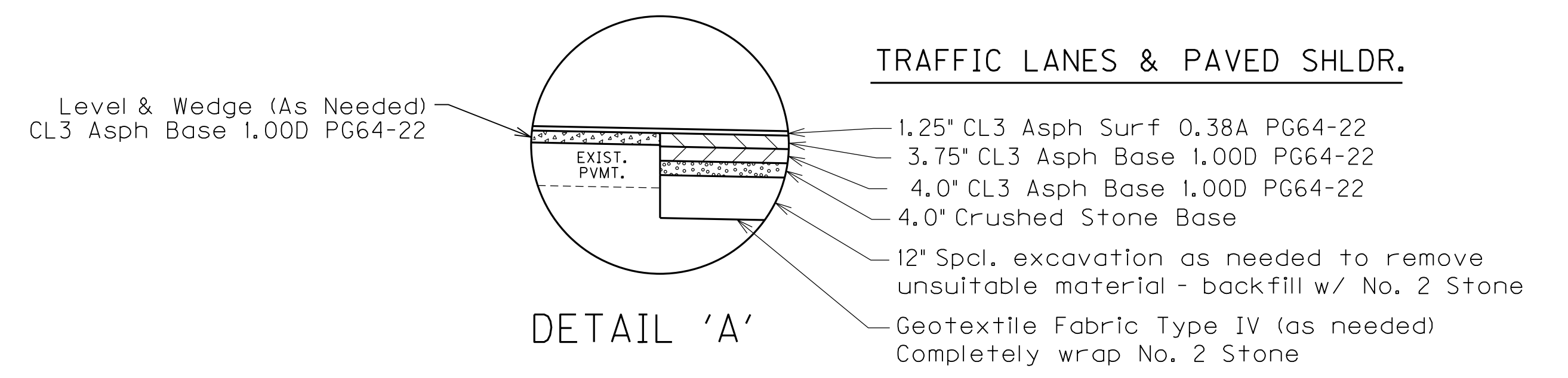


KY. 1819 - BILLTOWN ROAD
NORMAL 3-LANE SECTION

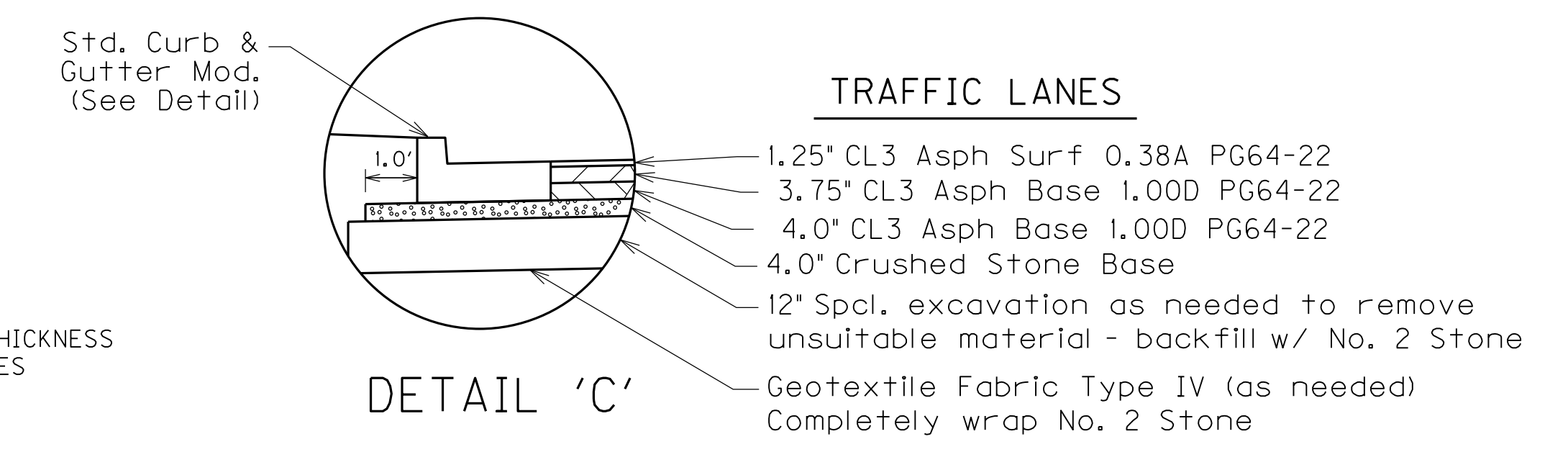
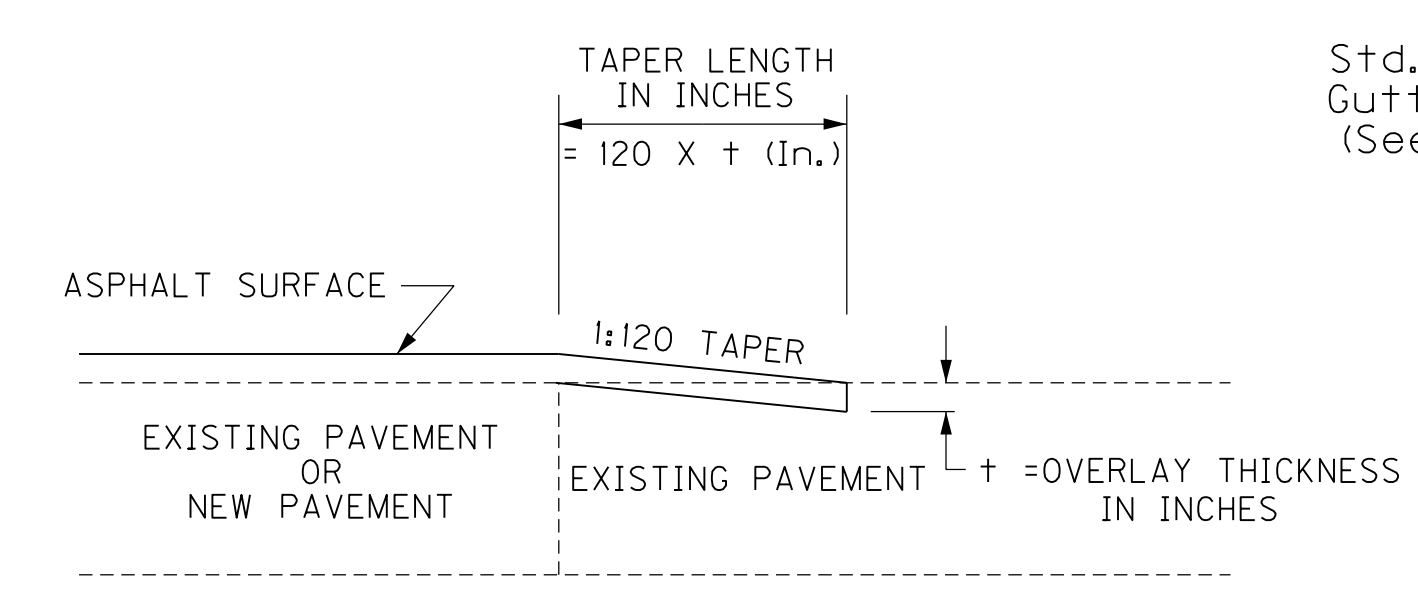


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 USER: doug
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R2C

ITEM	DESCRIPTION	UNIT	MAINLINE (KY 1819)	SHADY ACRES LANE	DRAIN BASELINE	VINTAGE CREEK	COLONNADES PLACE	TOTAL PROJECT
1584	CAP DROP BOX INLET	EACH	1					1
1811	STANDARD CURB & GUTTER - MODIFIED	LF	959					959
2159	TEMPORARY DITCH	LF	1,540	540	179	58	240	2,557
2230	EMBANKMENT IN PLACE	CY	2,080			6	49	2,135
2429	RIGHT-OF-WAY MONUMENT TYPE I	EACH	5					5
2432	WITNESS POST	EACH	1					1
2483	CHANNEL LINING CLASS II	TON	89					89
2545	CLEARING AND GRUBBING ①	LS	1					1
2562	SIGNS	SO FT	152	39			39	230
2568	MOBILIZATION	LS	1					1
2569	DEMOBILIZATION	LS	1					1
2585	EDGE KEY	LF	57.5			22	26	105.5
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY	4,818					4,818
2600	GEOTEXTILE FABRIC TY. IV FOR PIPES	SY	1,204			45		1,249
2650	MAINTAIN AND CONTROL TRAFFIC	LS	1					1
2701	TEMPORARY SILT FENCE	LF	1,540	540	179	58	240	2,557
2703	SILT TRAP TYPE A	EACH	5					5
2704	SILT TRAP TYPE B	EACH	5					5
2705	SILT TRAP TYPE C	EACH	5					5
2706	CLEAN SILT TRAP TYPE A ②	EACH	15					15
2707	CLEAN SILT TRAP TYPE B ②	EACH	15					15
2708	CLEAN SILT TRAP TYPE C ②	EACH	15					15
2709	CLEAN TEMPORARY SILT FENCE ③	LF	1,540	540	179	58	240	2,557
2720	SIDEWALK - 4 INCH CONCRETE	SY	713			14	15	742
2726	STAKING	LS	1					1
5950	EROSION CONTROL BLANKET	SY	381					381
5952	TEMPORARY MULCH	SY	19,435					19,435
5953	TEMPORARY SEEDING AND PROTECTION	SY	19,435					19,435
5966	TOP DRESSING FERTILIZER	TON	0.39					0.39
5985	SEEDING AND PROTECTION	SY	1,539	-	-	-	-	1,539
5990	SODDING	SY	4,529	949	271	-	163	5,912
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF	3,080					3,080
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	8,100				600	8,700
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF					154	154
6568	PAVE MARKING-THERMO STOP BAR-24 IN	LF	22				38	60
6574	PAVE MARKING-PRE THERM CURVE ARROW	EACH	6				4	10
8100	CONCRETE - CLASS A	CY	0.75					0.75
8150	STEEL REINFORCEMENT	LBS	7					7
2055OND	SAW CUT PAVEMENT	LF	3,080					3,080
23158ES505	DETECTABLE WARNINGS	SF	30			20		50
23274EN11F	TURF REINFORCEMENT MAT I	SY	142	61				203
24378EC	ROLL CURB - MODIFIED	LF				87	233	320

NOTES:

- ① Approx. 2.15 Acres
(Includes area inside disturb limits only)
- ② THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) EACH TRAP WHENEVER THEY BECOME ONE-HALF FULL AND PROPERLY DISPOSE OF THE MATERIAL AT SITES APPROVED BY THE ENGINEER. THIS IS ESTIMATED AT THREE TIMES PER TRAP PER CONSTRUCTION SEASON.
- ③ THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) TEMPORARY SILT FENCE ONCE.
- ④ SEE TYPICAL SECTIONS FOR LOCATION

- PROJECT EARTHWORK TOTALS -

1,145	C.Y.	COM.	
214	C.Y.	DT. LT.	
362	C.Y.	DT. RT.	
4	C.Y.	INLET/OUTLET DITCHES	
1,725	C.Y.	TOTAL RDWY. EXC.	
2,092	C.Y.	EMB.	
43	C.Y.	REFILL	
2,135	C.Y.	TOTAL EMB.	

GENERAL SUMMARY

FILE NAME: F:\WORK\JEFFERSON\CON\PHASE II\CON\COLONNADES\080505CENSUM.DGN

USER: ryan
DATE PLOTTED: February 20, 2012

E-SHEET NAME:

MicroStation v8.11.7.180

PIPE DRAINAGE SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R2E

SHEET NO.	SKEW	DESIGN	PH	COVER	HEIGHT	ENTRANCE PIPE 15'	ENTRANCE PIPE 18" EQUIV. ELLIP.	CULVERT PIPE 18"	STORM SEWER PIPE 15"	STORM SEWER PIPE 18"	SLOPED BOX OUTLET TYPE I 18"	SLOPED & FLARED BOX INLET~OUTLET 18"	CURB BOX INLET TYPE A	DROP BOX INLET TYPE II	DROP BOX INLET TYPE IIS	MANHOLE TYPE A	CHANNEL LINING CLASS II	CLASS 'A' CONCRETE	STEEL REINFORCEMENT	PIPELINE VIDEO INSPECTION	DITCH EXCAVATION	REMARKS		
ITEM CODE						440	451	462	521	522	1433	1450	1456	1544	1568	1756	2483	8100	8150	2313IER701				
UNIT TO BID					Ft.	Lin. Ft.						Each							Ton	Cu. Yd.	Lbs.	Lin. Ft.	Cu. Yd.	
MAINLINE																								
54+20	0°	M			4					41	1					1					22	1		
54+55	0°	M			4					56			1								28			
55+14	0°	M			4				192	43			1	1							118			
56+60	0°												1											
61+10	0°	M			3					177						1					89			
61+25	0°	M			4				195				1								98			
62+85	0°	M			3					169	1						12				85	2		
63+20	0°	M			2				5							1	3	0.75	7		1	1 - 15' SLOPED & FLARED HDWL.		
66+88.60	0°	M			3			8				1												
VINTAGE CREEK																								
50+39.88	0°	M			3					32					2						16			
ENTRANCE PIPES																								
MAINLINE																								
RT. 54+42						24																		
RT. 55+92						24																		
RT. 57+50						28																		
SHADY ACRES LN.																								
LT. 44+87							28																	
LT. 46+66.50							30																	
LT. 48+68							50																	
TOTAL PROJECT						76	108	8	392	518	2	1	4	1	2	3	15	0.75	7	456	4			

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\COLONNADES\0805CDRNSUM.DGN
 USER: andy
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COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R2F

GENERAL NOTES

165 BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

190 DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

455 EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

650 STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DCN\COLONNADES\0805CCENNOTES.DGN

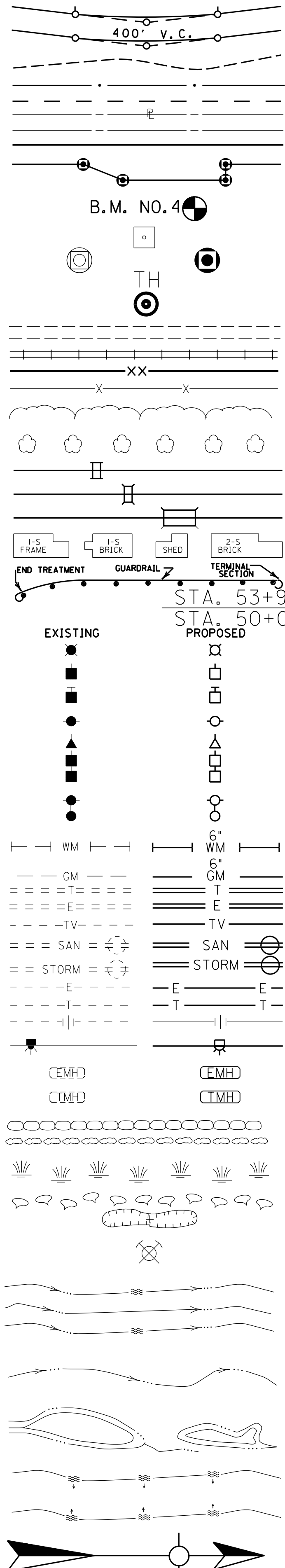
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CONVENTIONAL SIGNS

- SURVEY LINE
- GRADE LINE
- GROUND LINE
- COUNTY LINE
- CORPORATE LIMITS
- EXIST. PROPERTY LINE
- EXIST. RIGHT OF WAY & PROPERTY LINE
- PROPOSED RIGHT OF WAY
- RIGHT OF WAY MONUMENT
- BENCH MARK
- EXISTING R/W MARKER
- RIGHT OF WAY MONUMENT EXISTING/PROPOSED
- UTILITY TEST HOLE
- EXISTING ROAD
- RAILROAD
- FENCE (CONTROLLED ACCESS)
- FENCE (EXCEPT STONE AND HEDGE)
- TREE LINE
- TREES
- PIPE CULVERT
- CULVERT
- BRIDGE
- BUILDINGS
- GUARDRAIL
- LIGHTING POLE
- POWER POLE
- JOINT POWER & TELEPHONE POLE
- TELEPHONE & TELEGRAPH POLE
- ANCHOR, POWER OR TELEPHONE
- STUB POWER
- STUB TELEPHONE
- WATER MAIN
- GAS MAIN
- TELEPHONE DUCT
- ELECTRIC DUCT
- DIRECT BURIAL TV CABLE
- SANITARY SEWER (WITH MANHOLE)
- STORM SEWER (WITH MANHOLE)
- DIRECT BURIAL ELECTRIC CABLE
- DIRECT BURIAL TELEPHONE CABLE
- OVERHEAD WIRE
- TRAFFIC LIGHTS
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- STONE FENCE
- HEDGE FENCE
- SWAMP OR MARSH
- SPRINGS
- SINKHOLE
- QUARRY SITE
- BLUE LINE STREAM
- INTERMITTENT STREAM OR DITCH
- LAKES OR PONDS
- REGULATED FLOODWAY
- NORTH POINT



STD. CURB & GUTTER MOD. LT.

STATION TO STATION	LINEAR FEET
54+04.93 - 54+49.33	47.4
54+60.67 - 55+11.83	51.2
55+23.17 - 55+34.50	11.3
55+51.50 - 56+37.50	86.0
56+54.50 - 56+57.83	3.3
56+69.17 - 57+35.50	66.3
57+52.50 - 58+00	47.5

CONSTRUCT ENTRANCE LT.

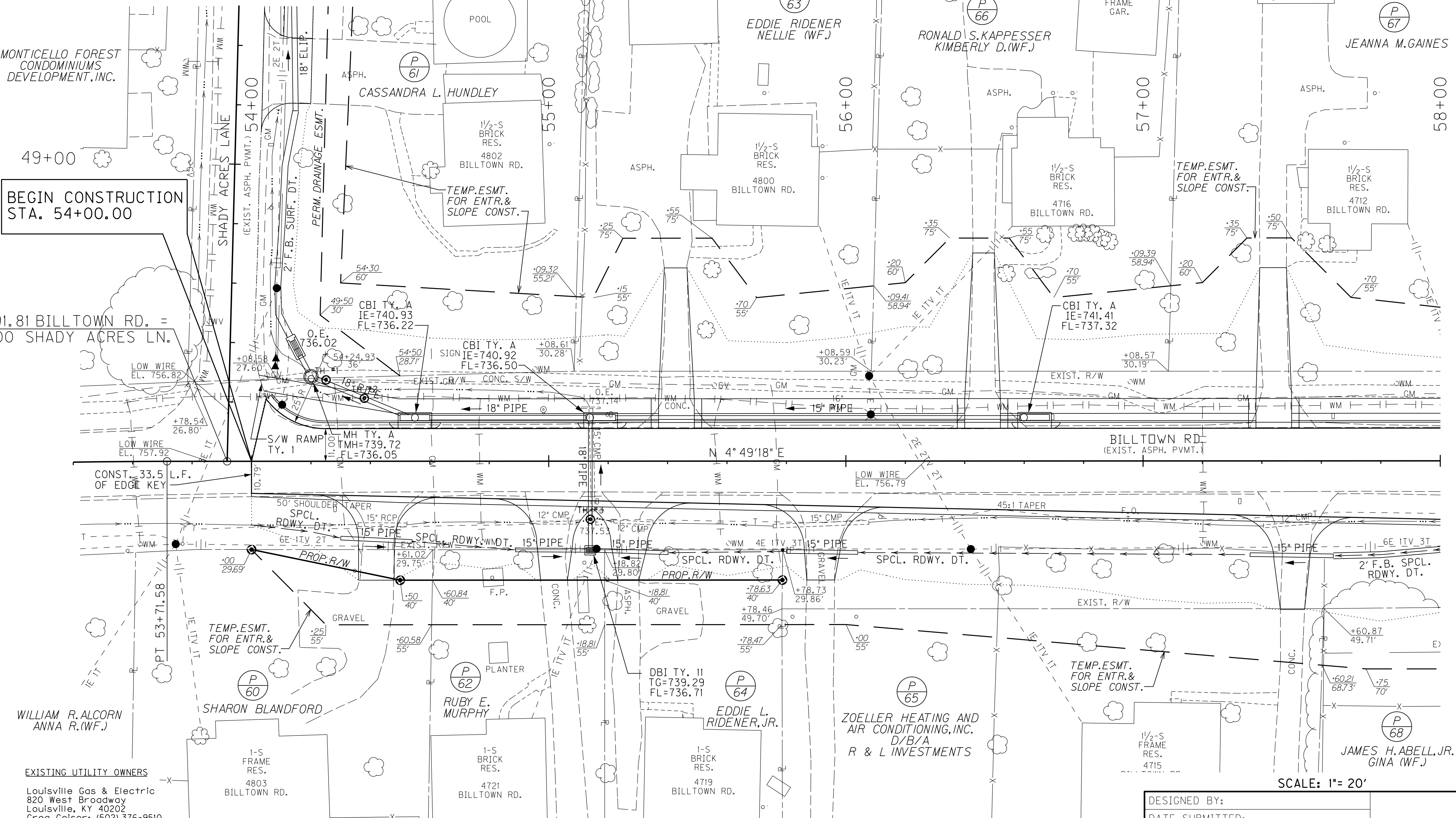
STATION	WIDTH Feet	CEM. CONC. Sq. Yds.	ASH. SURF. Sq. Yds.	T.B.B. Sq. Yds.	ENTR. PIPE Lin. Ft.
55+43 (RES.)	12'	18.9	48	-	-
56+46 (RES.)	12'	18.9	52.5	-	-
57+44 (RES.)	12'	18.9	51.3	-	-

4" CONCRETE SIDEWALK LT.

STATION TO STATION	SO. YDS.	RAMP
54+02.55 - 55+34.50	73.2	1 - TY. 1
55+51.50 - 56+37.50	47.8	-
56+54.50 - 57+35.50	45.0	-
57+52.50 - 58+00.00	26.4	-

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R3

NOTE: SEE PLAN, PROFILE & CROSS-SECTION SHEETS FOR SHADY ACRES LANE DITCH CONSTRUCTION



EXISTING UTILITY OWNERS

Louisville Gas & Electric
820 West Broadway
Louisville, KY 40202
Greg Geiser: (502) 376-9510

Louisville Water Company
550 South Third Street
Louisville, KY 40218
Daniel Tegene: (502) 569-3649

AT&T KY
3719 Bardstown Road - 2nd floor
Louisville, KY 40218
Morgan Herndon: (502) 458-7312

Insight KY Partners
4701 Commerce Crossings Dr.
Louisville, KY 40229
Deno Barbour: (502) 664-7395

Metropolitan Sewer District
700 West Liberty Street
Louisville, KY 40202
David Givan: (502) 540-6129

Kentucky Data Link (KDL)
1132 Hull Street
Louisville, KY 40204
Bill Hales: (502) 550-3661

DITCH CONSTRUCTION RT.

STATION	SIZE - SHAPE TYPE	LINING		QUANTITY
		TYPE	T=D	
54+00 - 54+30	SPCL. RDWY.	TRM TYI	1'	27 SY
54+54 - 54+88.83	SPCL. RDWY.	SOD	1'	-
55+40.17 - 55+80	SPCL. RDWY.	SOD	1'	-
56+04 - 57+36	SPCL. RDWY.	SOD	1'	-
57+64 - 58+00	2' F.B. SPCL.	SOD	1'	-

CONSTRUCT ENTRANCE RT.

STATION	WIDTH Feet	CEM. CONC. Sq. Yds.	ASH. SURF. Sq. Yds.	T.B.B. Sq. Yds.	ENTR. PIPE Lin. Ft.
54+42 (RES.)	12'	-	-	41.8	24 - 15'
55+02 (RES.)	12'	37.6	-	-	-
55+27 (RES.)	12'	-	35.7	-	-
55+92 (RES.)	12'	-	-	35.5	24 - 15'
57+50 (RES.)	12'	42.0	-	-	28 - 15'

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-You-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those who do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

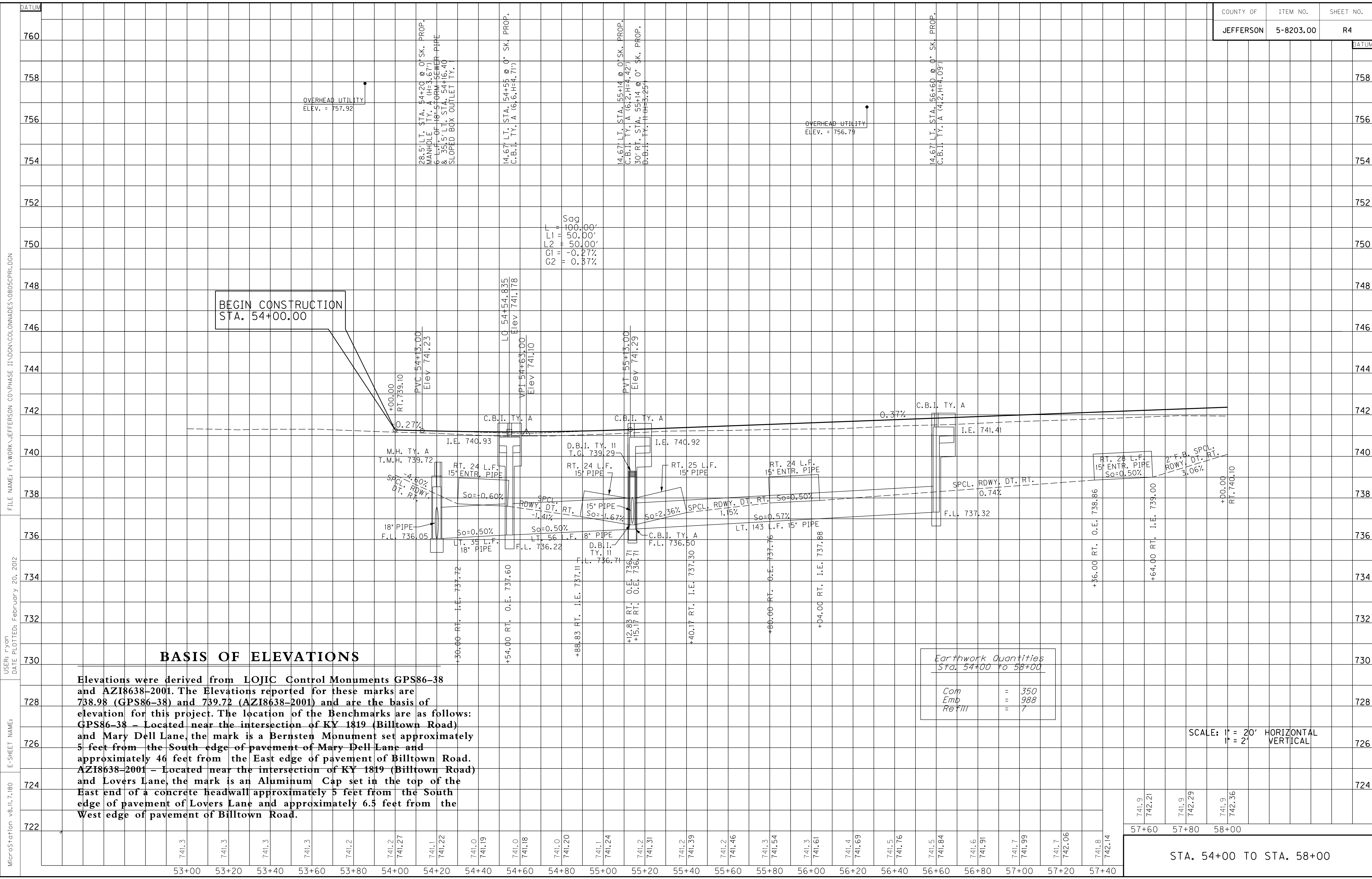
DESIGNED BY: _____
DATE SUBMITTED: _____

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
JEFFERSON**

PROJECT: FD04 056 1819 005-008
NUMBERS: _____

STA. 54+00 TO STA. 58+00

FILE NAME: F:\WORK\JEFFERSON\CO-PHASE II\CON\CONNADES\0805CP1.DGN
USER: ryon
DATE PLOTTED: February 20, 2012
E-SHEET NAME: MicroStation v8.11.7.180



BEGIN CONSTRUCTION
STA. 54+00.00

Sag
L = 100.00'
L1 = 50.00'
L2 = 50.00'
G1 = -0.27%
G2 = 0.37%

BASIS OF ELEVATIONS

Elevations were derived from LOJIC Control Monuments GPS86-38 and AZI8638-2001. The Elevations reported for these marks are 738.98 (GPS86-38) and 739.72 (AZI8638-2001) and are the basis of elevation for this project. The location of the Benchmarks are as follows:
GPS86-38 - Located near the intersection of KY 1819 (Billtown Road) and Mary Dell Lane, the mark is a Bernsten Monument set approximately 5 feet from the South edge of pavement of Mary Dell Lane and approximately 46 feet from the East edge of pavement of Billtown Road.
AZI8638-2001 - Located near the intersection of KY 1819 (Billtown Road) and Lovers Lane, the mark is an Aluminum Cap set in the top of the East end of a concrete headwall approximately 5 feet from the South edge of pavement of Lovers Lane and approximately 6.5 feet from the West edge of pavement of Billtown Road.

Com	=	350
Emb	=	988
Refill	=	7

SCALE: 1" = 20' HORIZONTAL
1" = 2' VERTICAL

741.9	741.9	741.9
742.21	742.29	742.36

STA. 54+00 TO STA. 58+00

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\COLONNADES\0805CPRI.DGN
 USER: ryan
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

BM #1: ELEV. 742.35 STA. 59+07.28, 28.15' LEFT
I.P. & CAP SET IN CONCRETE

4' CONCRETE SIDEWALK LT.		
STATION TO STATION	SQ. YDS.	RAMP
58+00.00 - 58+30.50	16.9	-
58+47.50 - 59+37.50	50.0	-
59+54.50 - 60+34.50	44.4	-
60+51.50 - 61+32.50	45.0	-
61+49.50 - 64+00.00	142.1	-

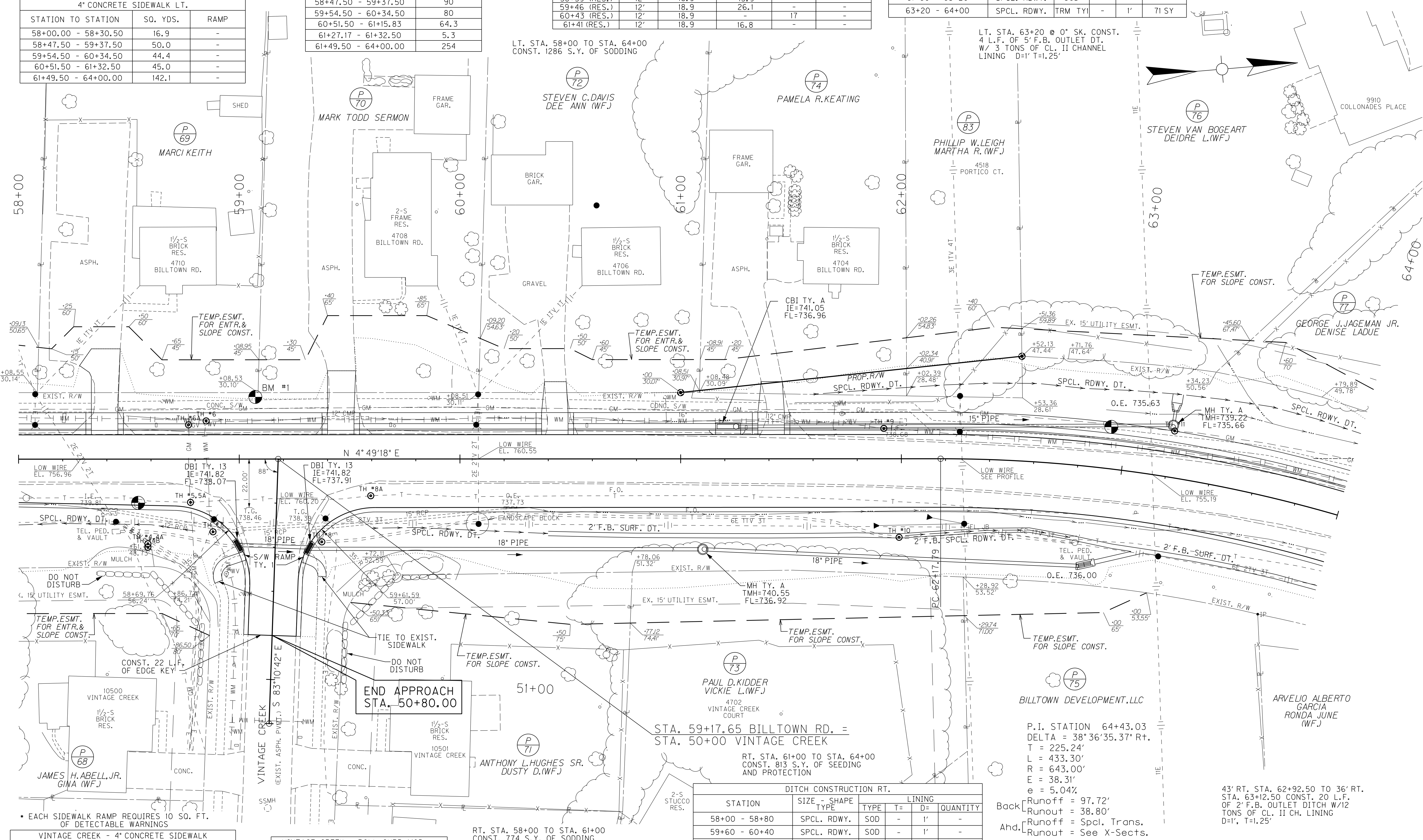
STD. CURB & GUTTER MOD. LT.	
STATION TO STATION	LINEAR FEET
58+00.00 - 58+30.50	30.5
58+47.50 - 59+37.50	90
59+54.50 - 60+34.50	80
60+51.50 - 61+15.83	64.3
61+27.17 - 61+32.50	5.3
61+49.50 - 64+00.00	254

CONSTRUCT ENTRANCE LT.					
STATION	WIDTH Feet	CEM. CONC. Sq. Yds.	ASH. SURF. Sq. Yds.	T.B.B. Sq. Yds.	ENTR. PIPE Lin. Ft.
58+39 (RES.)	12'	18.9	43.9	-	-
59+46 (RES.)	12'	18.9	26.1	-	-
60+43 (RES.)	12'	18.9	-	17	-
61+41 (RES.)	12'	18.9	16.8	-	-

DITCH CONSTRUCTION LT.						
STATION	SIZE - SHAPE TYPE	LINING			QUANTITY	
		T=	D=	D=		
61+60 - 63+20	SPCL. RDWY.	SOD	-	1'	-	
63+20 - 64+00	SPCL. RDWY.	TRM TY1	-	1'	71 SY	

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R5

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DCN\COLONNADES\0805\PL2.DGN
 USER: r.yon
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180



LT. STA. 58+00 TO STA. 64+00
CONST. 1286 S.Y. OF SODDING

LT. STA. 63+20 @ 0° SK. CONST.
4 L.F. OF 5' F.B. OUTLET DT.
W/ 3 TONS OF CL. II CHANNEL
LINING D=1' T=1.25'

STA. 59+17.65 BILLTOWN RD. =
STA. 50+00 VINTAGE CREEK

RT. STA. 61+00 TO STA. 64+00
CONST. 813 S.Y. OF SEEDING
AND PROTECTION

DITCH CONSTRUCTION RT.						
STATION	SIZE - SHAPE TYPE	LINING			QUANTITY	
		T=	D=	D=		
58+00 - 58+80	SPCL. RDWY.	SOD	-	1'	-	
59+60 - 60+40	SPCL. RDWY.	SOD	-	1'	-	
60+40 - 62+00	2' F.B. SURF.	SOD	-	1'	-	
62+00 - 62+80	2' F.B. SPCL.	ECB	-	1'	89 SY	
62+80 - 64+00	2' F.B. SURF.	ECB	-	1'	107 SY	

P.I. STATION 64+43.03
DELTA = 38° 36' 35.37" Rt.
T = 225.24'
L = 433.30'
R = 643.00'
E = 38.31'
e = 5.04%

Back Runoff = 97.72'
Ahd. Runout = 38.80'
Runout = Spcl. Trans.
Runout = See X-Sections.

43' RT. STA. 62+92.50 TO 36' RT.
STA. 63+12.50 CONST. 20 L.F.
OF 2' F.B. OUTLET DITCH W/12
TONS OF CL. II CH. LINING
D=1', T=1.25'

STA. 58+00 TO STA. 64+00

SCALE: 1"= 20'

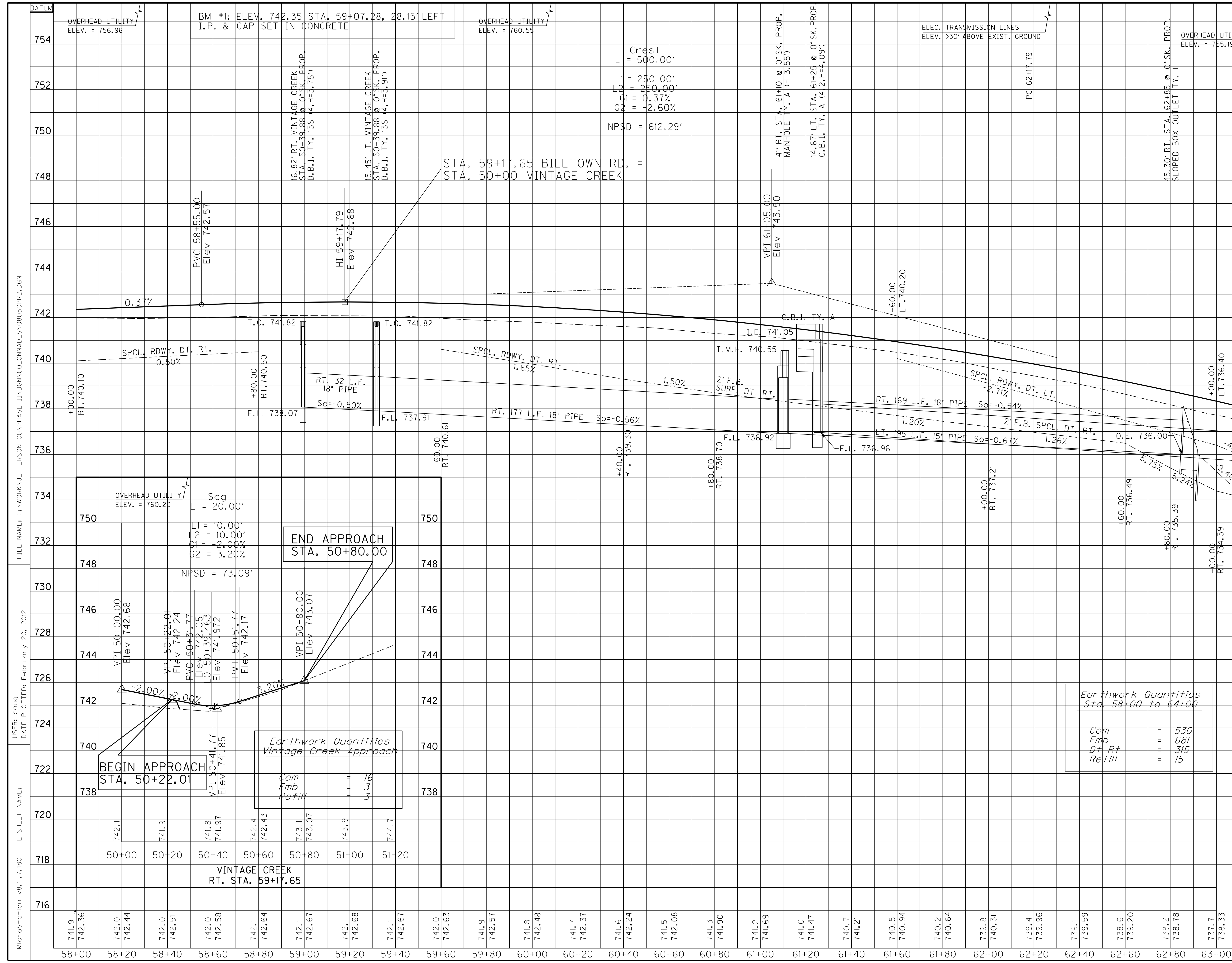
VINTAGE CREEK - 4" CONCRETE SIDEWALK		
STATION TO STATION	SQ. YDS.	RAMP
LT. 50+42.41 - 50+52.50	8.4	1 - TY. 1
RT. 50+42.51 - 50+57.22	5.7	1 - TY. 1

VINTAGE CREEK - ROLL CURB MOD.	
STATION TO STATION	LINEAR FEET
LT. 50+38 - 50+80	43
RT. 50+38 - 50+80	44

RT. STA. 58+00 TO STA. 61+00
CONST. 774 S.Y. OF SODDING

RT. STA. 58+00 TO STA. 59+04.45
TRANSITION PAVEMENT WIDTH
FROM 19.68' TO 22.00' (45:1)

* EACH SIDEWALK RAMP REQUIRES 10 SQ. FT.
OF DETECTABLE WARNINGS



END APPROACH
STA. 50+80.00

BEGIN APPROACH
STA. 50+22.01

Earthwork Quantities
Vintage Creek Approach

Com	16
Emb	3
Refill	3

Earthwork Quantities
Sta. 58+00 to 64+00

Com	530
Emb	681
Df Rt	315
Refill	15

SCALE: 1" = 20' HORIZONTAL
1" = 2' VERTICAL

STA. 58+00 TO STA. 64+00

FILE NAME: F:\WORK\JEFFERSON\CO\PHASE II\DNV\COLONNADES\0805CPR2.DGN
 USER: doug
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

737.2	63+20
737.87	63+40
736.7	63+60
737.37	63+80
736.1	64+00
736.86	
735.6	
736.34	
735.0	
735.82	

4" CONCRETE SIDEWALK LT.		
STATION TO STATION	SO. YDS.	RAMP
64+00.00 - 65+13.07	76.8	1-TY. 1
65+63.33 - 68+00.00	144.7	1-TY. 1

• EACH SIDEWALK RAMP REQUIRES 10 SQ. FT. OF DETECTABLE WARNINGS

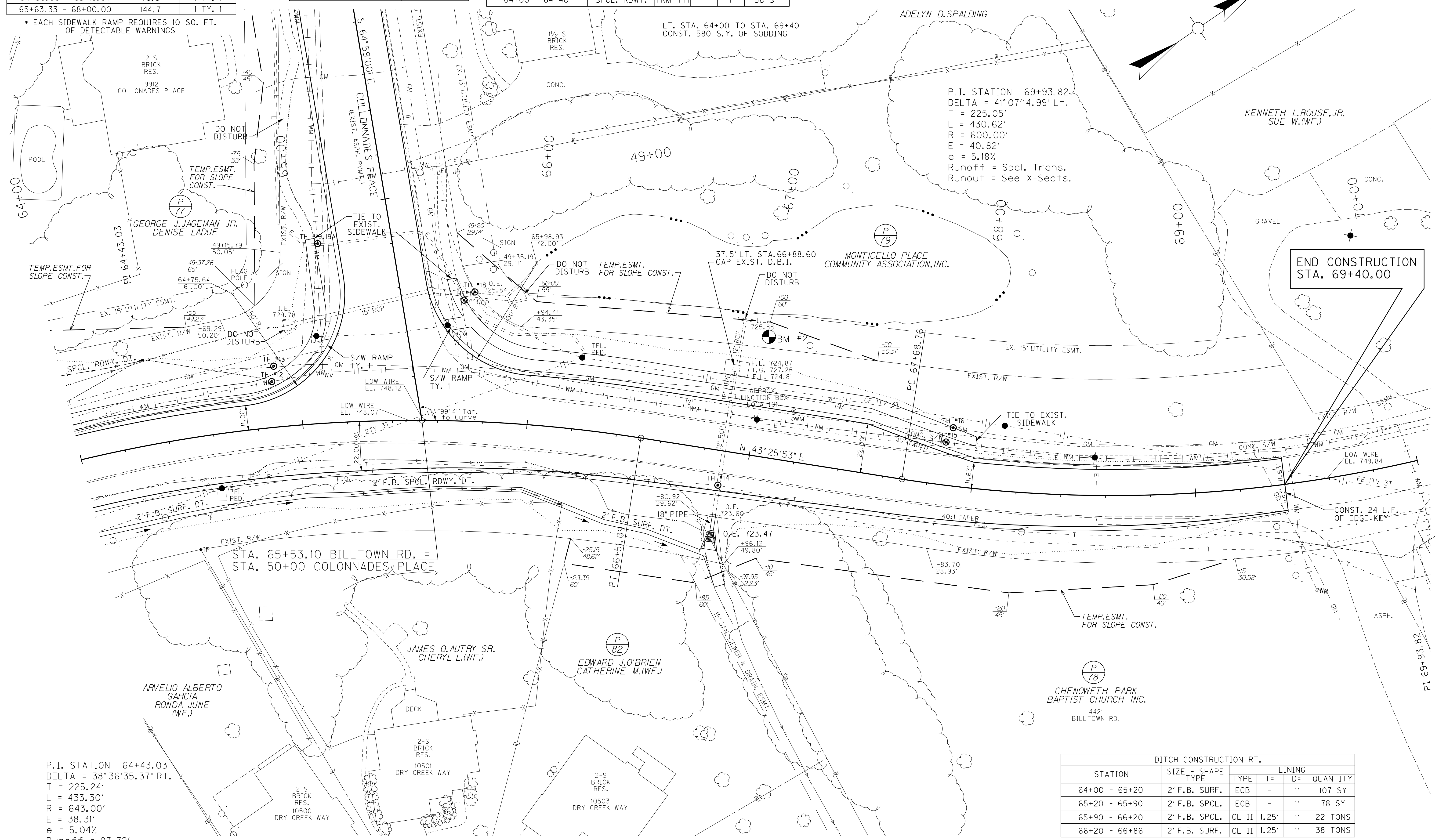
STD. CURB & GUTTER MOD. LT.		
STATION TO STATION	LINEAR FEET	
64+00.00 - 65+12.20	121.3	

DITCH CONSTRUCTION LT.					
STATION	SIZE - SHAPE TYPE	LINING			
		TYPE	T=	D=	QUANTITY
64+00 - 64+40	SPCL. RDWY.	TRM TY1	-	1'	36 SY

BM #2: ELEV. 728.23 STA. 67+00.40, 53.41' LEFT I.P. & CAP SET IN CONCRETE

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R7

FILE NAME: F:\WORK\JEFFERSON\CO-PHASE II\DCN\COLONNADES\0805DPL3.DGN
 USER: r.yon
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180



END CONSTRUCTION STA. 69+40.00

P.I. STATION 64+43.03
 DELTA = 38° 36' 35.37" Rt.
 T = 225.24'
 L = 433.30'
 R = 643.00'
 E = 38.31'
 e = 5.04%
 Runoff = 97.72'
 Runout = 38.80'
 Back L Runoff = Spcl. Trans.
 Hnd. L Runout = See X-Sects.

RT. STA. 64+00 TO STA. 69+40
CONST. 726 S.Y. OF SEEDING AND PROTECTION

RT. STA. 66+88.60 CONST. 17 L.F. OF 7' TO 5' F.B. OUTLET DT. W/ 14 TONS OF CLASS II CH. LINING (T=1.25', D=1')

RT. STA. 65+25.20 TO STA. 69+40
TRANSITION PAVEMENT WIDTH FROM 22.00' TO 11.63' (40:1)

P.I. STATION 69+93.82
 DELTA = 41° 07' 14.99" Lt.
 T = 225.05'
 L = 430.62'
 R = 600.00'
 E = 40.82'
 e = 5.18%
 Runoff = Spcl. Trans.
 Runout = See X-Sects.

DITCH CONSTRUCTION RT.					
STATION	SIZE - SHAPE TYPE	LINING			
		TYPE	T=	D=	QUANTITY
64+00 - 65+20	2' F.B. SURF.	ECB	-	1'	107 SY
65+20 - 65+90	2' F.B. SPCL.	ECB	-	1'	78 SY
65+90 - 66+20	2' F.B. SPCL.	CL II	1.25'	1'	22 TONS
66+20 - 66+86	2' F.B. SURF.	CL II	1.25'	1'	38 TONS



STA. 64+00 TO STA. 69+40

BM #2: ELEV. 728.23 STA. 67+00.40, 53.4' LEFT
 I.P. & CAP SET IN CONCRETE

PT 66+51.09
 STA. 66+88.60 @ 0' SK. PROP.
 8 LF. OF 18" PIPE & 1'-18"
 S & F BOX INLET - OUTLET
 PC 67+68.76

S_{cg}
 L₁ = 250.00'
 L₂ = 125.00'
 L₃ = 125.00'
 G₁ = -2.60%
 G₂ = 1.83%
 NPSD = 280.98'

STA. 65+53.10 BILLTOWN RD. =
 STA. 50+00 COLONNADES PLACE

END CONSTRUCTION
 STA. 69+40.00

OVERHEAD UTILITY
 ELEV. = 748.07

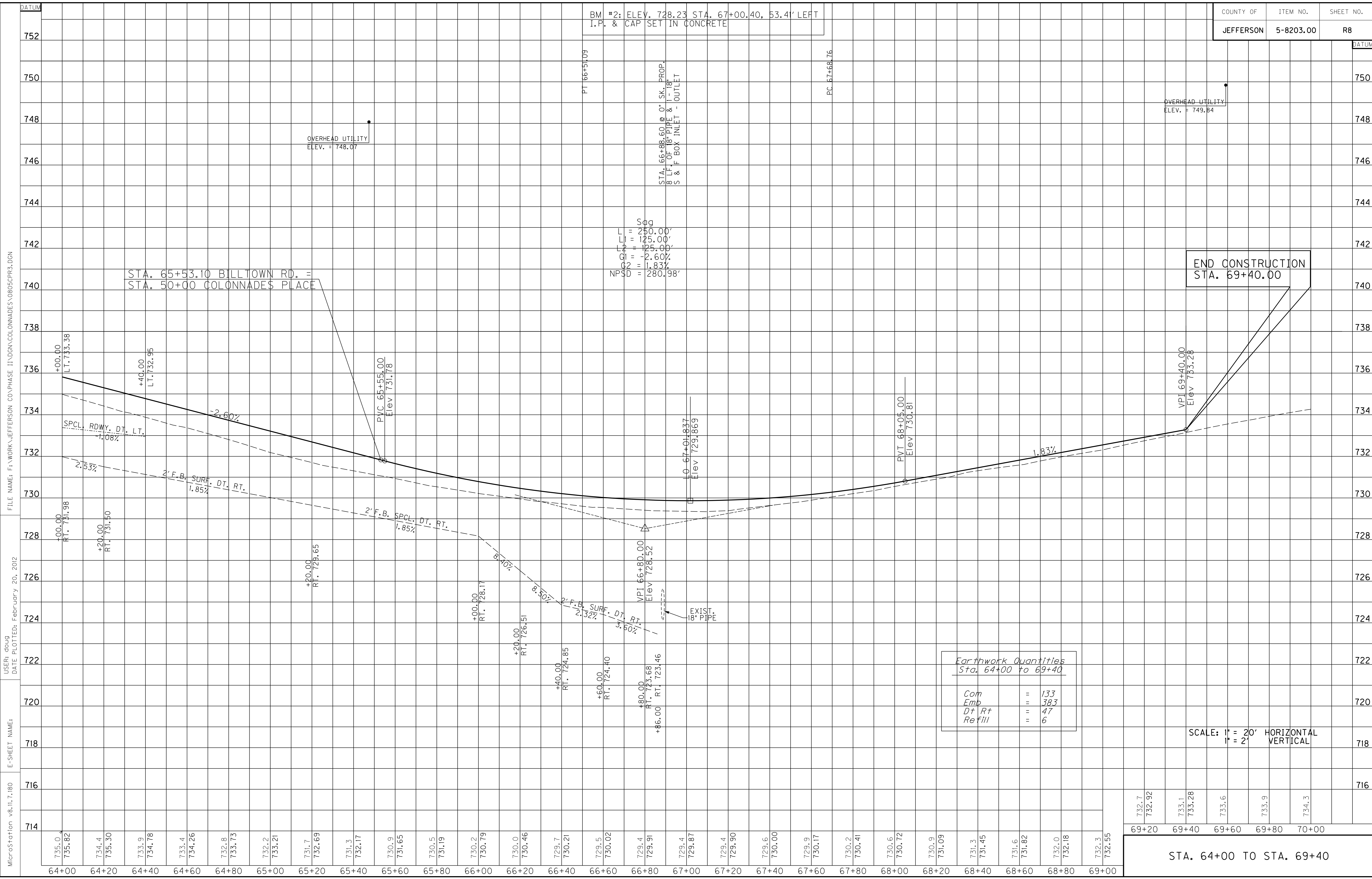
OVERHEAD UTILITY
 ELEV. = 749.84

PVC 65+55.00
 Elev 731.18

LO 67+01.837
 Elev 729.869

PVT 68+05.00
 Elev 730.81

VPI 69+40.00
 Elev 733.28



FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DNV\COLONNADES\0805CPR3.DGN
 USER: doug
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

Com	=	133
Emb	=	383
D+Rt	=	47
Refill	=	6

SCALE: 1" = 20' HORIZONTAL
 1" = 2' VERTICAL

732.7	732.92	733.1	733.28	733.6	733.9	734.3
69+20	69+40	69+60	69+80	70+00		

STA. 64+00 TO STA. 69+40

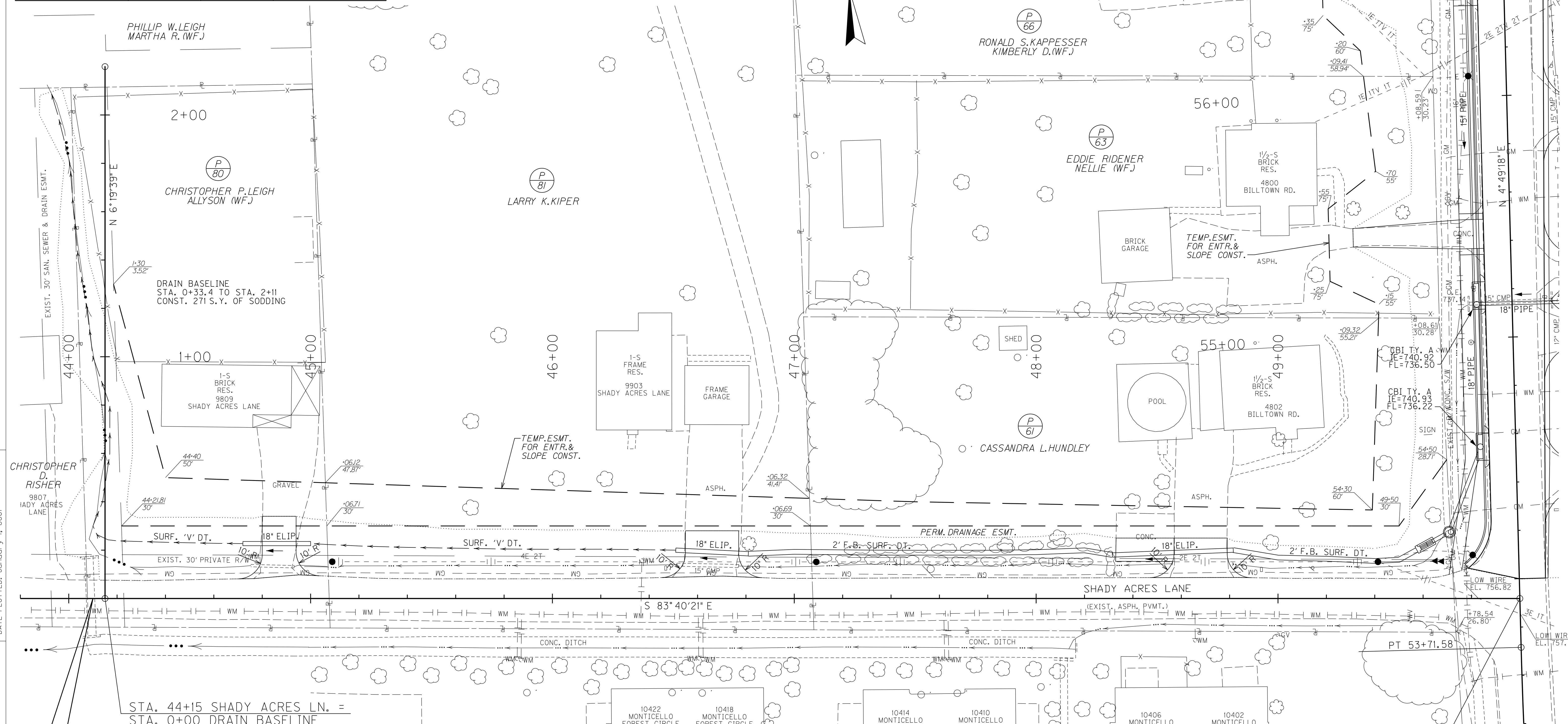
DRAINAGE BASELINE CENTERLINE COORDINATES

STATION	Project Coordinates		DESCRIPTION
	NORTH (Y)	EAST (X)	
0+00.00	3951407.36	4971541.95	P.O.T.
2+20.00	3951626.02	4971566.19	P.O.T.

STATION	SIZE - SHAPE TYPE	LINING			QUANTITY
		TYPE	T=	D=	
SHADY ACRES LANE					
44+10 - 44+72	SURF. 'V'	SOD	-	1'	-
45+00 - 46+51	SURF. 'V'	SOD	-	1'	-
46+81 - 48+31.50	2' FB SURF.	SOD	-	1'	-
48+81.50 - 49+50	2' FB SURF.	TRM TYI	-	1'	61 SY
DRAIN BASELINE					
0+30 - 2+09	SURF. 'V'	SOD	-	1'	-

STATION	WIDTH Feet	CONSTRUCT ENTRANCE LT.			ENTR. PIPE Lin. Ft.
		CEM. CONC. Sq. Yds.	ASH. SURF. Sq. Yds.	T.B.B. Sq. Yds.	
39+58 (RES.)	14'	-	-	43.2	28-18" ELIP.
39+90 (RES.)	22'	-	50.6	-	30-18" ELIP.
39+90 (RES.)	22'	25.7	44.6	-	50-18" ELIP.

LT. STA. 43+97 TO STA. 49+50
CONST. 949 S.Y. OF SODDING



STA. 44+15 SHADY ACRES LN. =
STA. 0+00 DRAIN BASELINE

BEGIN DITCH
STA. 44+10.00

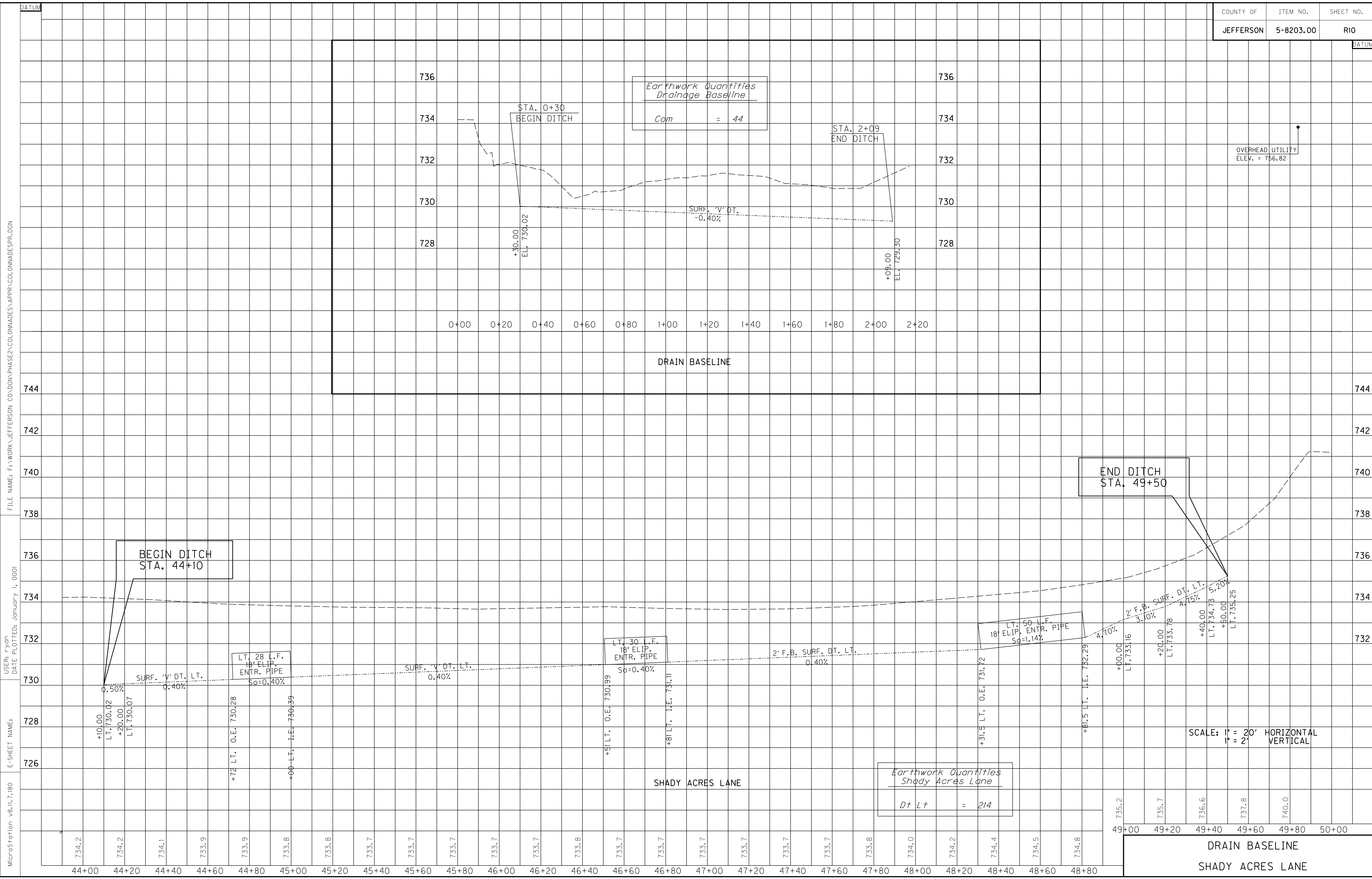
SHADY ACRES LANE CENTERLINE COORDINATES

STATION	Project Coordinates		DESCRIPTION
	NORTH (Y)	EAST (X)	
43 + 23.99	3951417.39	4971451.49	P.O.T.
2 + 20.00	3951342.89	4972123.38	P.O.T.

SCALE: 1" = 20'

SHADY ACRES LANE

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\EA\SUM-LOVERS\0805APL4.DGN
 USER: F:\YON
 DATE PLOTTED: January 1, 2001
 E-SHEET NAME:
 MicroStation v8.11.7.180



MicroStation v8.11.7.180 E-SHEET NAME: USER: rypm DATE PLOTTED: January 1, 2001 FILE NAME: F:\WORK\JEFFERSON CO\DWG\PHASE2\COLONNADES\APPR\COLONNADESPPR.DGN

735.2	735.7	736.6	737.8	740.0
49+00	49+20	49+40	49+60	49+80
DRAIN BASELINE				
SHADY ACRES LANE				

SCALE: 1" = 20' HORIZONTAL
1" = 2' VERTICAL

Earthwork Quantities
Drainage Baseline
Com = 44

Earthwork Quantities
Shady Acres Lane
Dt Lt = 214

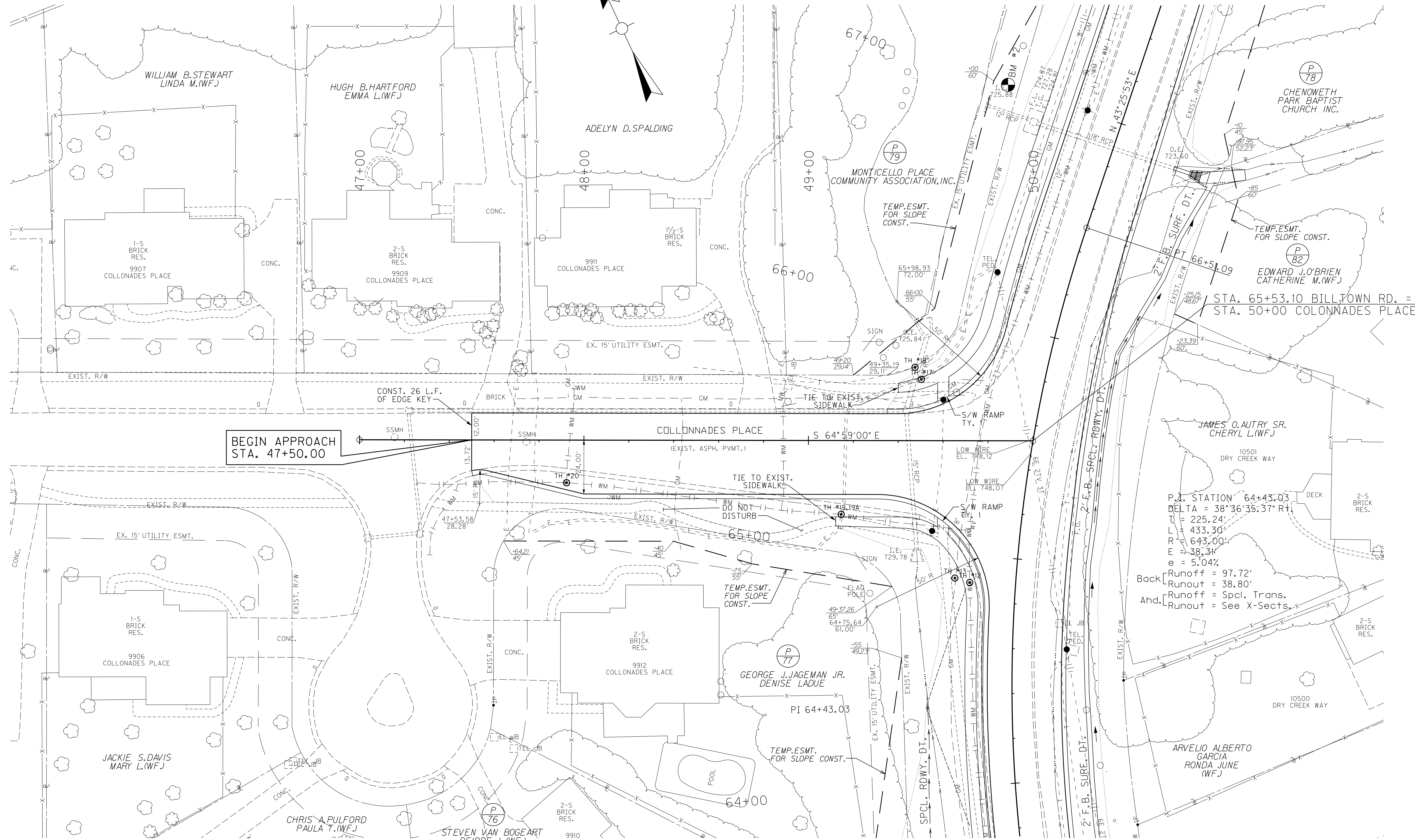
OVERHEAD UTILITY
ELEV. = 756.82

BM #2: ELEV. 728.23 M.L. STA. 67+00.40, 53.41' LEFT
I.P. & CAP SET IN CONCRETE

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	RII

ROLL CURB LT.	
STATION TO STATION	LINEAR FEET
49+35.00 - 49+57.50	22.9

LT. STA. 49+35 TO STA. 49+39.4
CONST. 2 S.Y. OF SODDING



BEGIN APPROACH
STA. 47+50.00

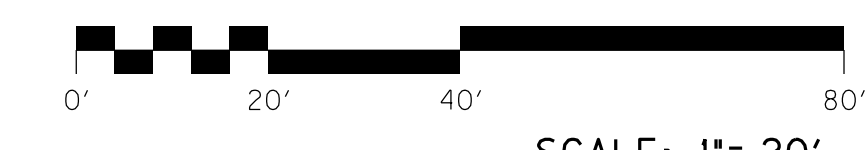
P.I. STATION 64+43.03
DELTA = 38°36'35.37" R
T = 225.24
L = 433.30
R = 643.00'
E = 38.34
e = 5.04%
Back Runoff = 97.72'
Runout = 38.80'
Ahd. Runoff = Spcl. Trans.
Runout = See X-Sections.

RT. STA. 47+50 TO STA. 48+00
TRANSITION PAVEMENT WIDTH
FROM 12.00' TO 24.00'

RT. STA. 47+50.5 TO STA. 49+30.7
CONST. 161 S.Y. OF SODDING

ROLL CURB RT.	
STATION TO STATION	LINEAR FEET
47+50.26 - 49+57.50	210.1

4" CONCRETE SIDEWALK RT.		
STATION TO STATION	SQ. YDS.	RAMP
49+12.12 - 49+41.86	14.8	-



COLONNADES PLACE
STA. 47+50 TO STA. 50+00

FILE NAME: F:\WORK\JEFFERSON\CO-PHASE II\DCON\COLONNADES\APPRO\COLONNADESPL.DGN

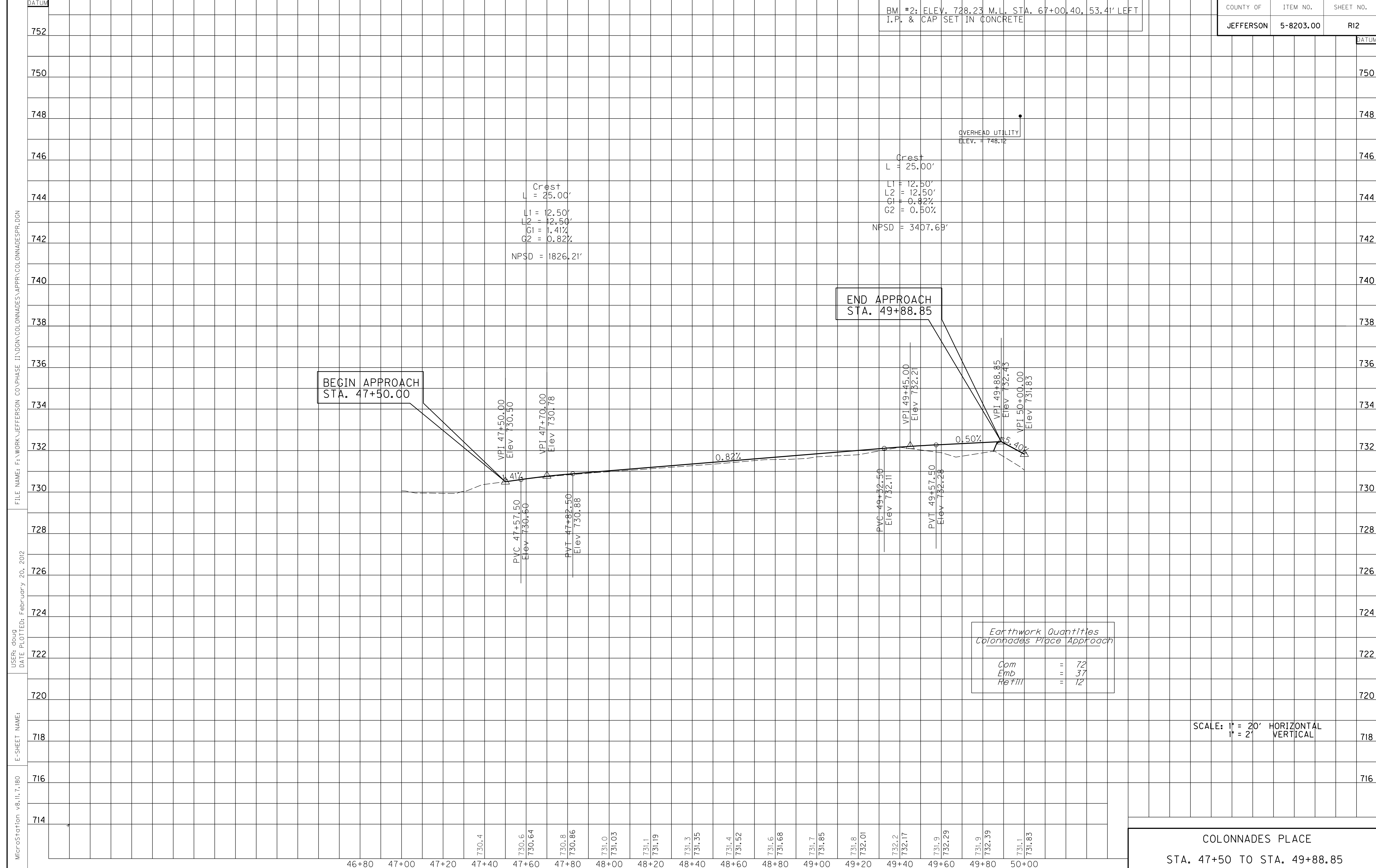
USER: doud
DATE PLOTTED: February 20, 2012

E-SHEET NAME:

MicroStation v8.11.7.180

BM #2: ELEV. 728.23 M.L. STA. 67+00.40, 53.41' LEFT
I.P. & CAP SET IN CONCRETE

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R12



MicroStation v8.11.7.180
 E-SHEET NAME:
 USER: doug
 DATE PLOTTED: February 20, 2012
 FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DO\COLONNADES\APPR\COLONNADES.PPR.DGN

Earthwork Quantities	
Colonnades Place Approach	
Com	= 72
Emb	= 37
Retill	= 12

SCALE: 1" = 20' HORIZONTAL
1" = 2' VERTICAL

COLONNADES PLACE
STA. 47+50 TO STA. 49+88.85

QUALITY LEVEL "A" DATA SUMMARY

TEST HOLE #	UTILITY (TYPE & SIZE)	NORTHING (Y)	EASTING (X)	GROUND ELEVATION (ft)	TOP UTILITY ELEVATION (ft)	DEPTH (ft)	STATION	OFFSET (ft)	SURFACE TYPE	REMARKS
1	GAS LINE	3951378.36	4972098.90	736.75	733.86	2.90	54+25.10	27.38 LT.	EARTH	6 IN. STEEL
2	WATER LINE	3951390.67	4972106.14	737.61	733.51	4.10	54+37.97	21.20 LT.	EARTH	12 IN. STEEL
3	COMMUNICATIONS DUCT	3951463.00	4972153.13	737.79	735.54	2.25	55+14.00	19.55 RT.	EARTH	2 IN.
4	ELECTRIC LINE	3851804.80	4972200.86	743.45	739.35	4.10	58+58.59	38.37 RT.	EARTH	3 IN.
4A	ELECTRIC LINE	3951804.64	4972202.45	744.01	739.31	4.70	58+58.59	39.97 RT.	EARTH	2 IN.
5	COMMUNICATIONS DUCT	3951825.61	4972183.78	741.31	739.06	2.25	58+77.90	19.60 RT.	EARTH	1.5 IN.
5A	GAS LINE	3951825.61	4972183.78	741.31	735.71	5.60	58+77.90	19.60 RT.	EARTH	6 IN. STEEL
6	WATER LINE	3951835.78	4972147.60	740.56	737.96	2.60	58+84.99	17.30 LT.	EARTH	12 IN. STEEL
7	WATER LINE	3951834.64	4972197.94	741.90	736.65	5.25	58+88.09	32.96 RT.	EARTH	12 IN. STEEL
8	COMMUNICATIONS DUCT	3951883.39	4972206.66	741.87	737.87	4.00	59+37.40	37.55 RT.	EARTH	2.5 IN.
8A	COMMUNICATIONS DUCT	3951907.25	4972187.70	741.63	738.63	3.00	59+59.58	16.65 RT.	EARTH	2.5 IN.
9	WATER LINE	3952141.47	4972176.95	738.98	735.38	3.60	61+92.06	13.75 LT.	EARTH	12 IN. STEEL
10	COMMUNICATIONS DUCT	3952144.19	4972226.70	739.34	735.29	4.05	61+98.96	35.59 RT.	EARTH	1.5 IN.
11	GAS LINE	3952272.69	4972189.23	736.52	733.07	3.45	63+20.93	21.07 LT.	EARTH	6 IN. STEEL
12	WATER LINE	3952432.57	4972252.77	733.01	729.31	3.70	64+88.06	20.42 LT.	EARTH	12 IN. STEEL
13	GAS LINE	3952437.16	4972247.62	732.97	730.12	2.85	64+89.53	27.14 LT.	EARTH	6 IN. STEEL
14	COMMUNICATIONS DUCT	3952570.31	4972403.33	727.69	724.99	2.70	66+88.22	15.43 RT.	EARTH	2 IN.
15	WATER LINE	3952665.01	4972445.04	728.74	724.59	4.15	67+86.23	19.13 LT.	EARTH	12 IN. STEEL
16	GAS LINE	3952671.25	4972441.58	728.80	725.20	3.60	67+88.68	25.87 LT.	EARTH	6 IN. STEEL
	COLONNADES DR.									
17	ELECTRIC LINE	3952523.75	4972271.39	731.48	726.53	4.95	49+50.25	27.33 LT.	EARTH	2 IN.
18	COMMUNICATIONS DUCT	3952529.79	4972271.08	731.36	728.31	3.05	49+47.43	32.68 LT.	EARTH	1 IN.
19	ELECTRIC LINE	3952484.23	4972213.64	731.93	728.98	2.95	49+14.65	32.90 RT.	EARTH	2 x 2 IN.
19A	WATER LINE	3952484.23	4972213.64	731.93	727.78	4.15	49+14.65	32.90 RT.	EARTH	8 IN. PVC
20	WATER LINE	3952548.57	4972108.63	730.75	727.10	3.65	47+92.28	19.00 RT.	EARTH	8 IN. PVC

QUALITY LEVEL "A" UTILITY OWNER(S):

Louisville Gas & Electric
820 West Broadway
Louisville, KY 40202
Greg Geiser: (502) 376-9510

Louisville Water Company
550 South Third Street
Louisville, KY 40202
Daniel Tegene: (502) 569-3649

AT&T KY
3719 Bardstown Road - 2nd floor
Louisville, KY 40218
Morgan Herndon: (502) 458-7312

Insight KY Partners
4701 Commerce Crossings Dr.
Louisville, KY 40229
Deno Barbour: (502) 664-7395

Metropolitan Sewer District
700 West Liberty Street
Louisville, KY 40202
David Givans: (502) 540-6129

Kentucky Data Link (KDL)
1132 Hull Street
Louisville, KY 40204
Bill Hales: (502) 550-3661

BEFORE YOU DIG

CALL 1-800-752-6007 TOLL FREE A MINIMUM OF TWO AND NO MORE THAN TEN BUSINESS DAYS PRIOR TO EXCAVATION FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH SUBSCRIBE TO THE BEFORE-U-DIG (BUD) SERVICE. COORDINATE EXCAVATION WITH ALL UTILITY OWNERS, INCLUDING THOSE WHO DO NOT SUBSCRIBE TO BUD. SHOW ALL UTILITIES AND A CONTACT PERSON FOR EACH COMPANY ON SHEET NO. 3 OF THE PLANS.

COORDINATE SYSTEM

Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/FBN System.

Coordinates are based on State Plane Coordinate System Single Zone and in U.S. Survey Feet.

The project Grid Factor is 0.999893733 and was obtained by using the average Grid Factors from the Primary Survey Control over the project area.

QUALITY LEVEL "A" DATA SUMMARY

FILE NAME: F:\WORK\0501\0501A\ADGN\0501A UTIL SUMM.DGN

USER: ryan
DATE PLOTTED: January 1, 0001

E-SHEET NAME:

MicroStation v8.11.7.180

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS*
		ACRES	SQ. FT.	ACRES	SQ. FT.	PERMANENT SQ. FT.	TEMPORARY SQ. FT.	LEFT		RIGHT		ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S		
								ACRES	SQ. FT.	ACRES	SQ. FT.													
60	SHARON BLANDFORD	1.108		0.009	369		852			1.099				1.099		3		X					D.B. 9136 PG. 489	
61	CASSANDRA L. HUNDLEY		34,316			3,852	4,215		34,316						34,316	3		X					D.B. 8134 PG. 54	
62	RUBY E. MURPHY		10,672		592		871						10,083		10,083	3		X					D.B. 4285 PG. 149 D.B. 8563 PG. 561	
63	EDDIE RIDENER NELLIE (WF.)		26,301				3,402		26,301						26,301	3		X					D.B. 7097 PG. 43	
64	EDDIE L. RIDENER, JR.		10,759		608		895						10,151		10,151	3		X					D.B. 7551 PG. 364	
65	ZOELLER HEATING AND AIR, INC. D.B.A. R & L INVESTMENTS	2.717					2,069			2.717				2.717		3		X					D.B. 7991 PG. 230	
66	RONALD S. KAPPESSER KIMBERLY D. (WF.)		26,371				3,341		26,371						26,371	3		X					D.B. 6192 PG. 533	
67	JEANNA M. GAINES		26,441				3,132		26,441						26,441	3		X					D.B. 8863 PG. 777	
68	JAMES H. ABELL, JR. GINA (WF.)		13,008				2,600						13,008		13,008	3		X					D.B. 9066 PG. 174	
69	MARCI KEITH		26,511				2,107		26,511						26,511	3		X					D.B. 7505 PG. 470	
70	MARK TODD SERMON		26,578				2,846		26,578						26,578	3		X					D.B. 9003 PG. 187	
71	ANTHONY L. HUGHES, SR. DUSTY D. (WF.)		13,731				2,334						13,731		13,731	3		X					D.B. 9104 PG. 48	
72	STEVEN C. DAVIS DEE ANN (WF.)		26,648		4		1,745		26,644						26,644	3		X					D.B. 7671 PG. 27	
73	PAUL D. KIDDER VICKIE L. (WF.)		21,582				3,203						21,582		21,582	3		X					D.B. 8274 PG. 502	
74	PAMELA R. KEATING		36,901		625		1,252		36,276						36,276	3		X					D.B. 6334 PG. 382	
75	BILLTOWN DEVELOPMENT, LLC	1.582					1,053			1.582				1.582		3		X					P.B. 48 PG. 42	LOT 145-A
76	STEVEN VAN BOGEART DEIDRE L. (WF.)		40,933				1,270		40,933						40,933	3		X					D.B. 8069 PG. 519	
77	GEORGE J. JAGEMAN, JR. DENISE LADUE		24,556				3,124		24,556						24,556	3		X					D.B. 9124 PG. 884	
78	CHENOWITH PARK BAPTIST CHURCH INC.	6.265					3,070			6.265				6.265		3		X					D.B. 4216 PG. 241 P.B. 48 PG. 42	
79	MONTICELLO PLACE COMMUNITY ASSOCIATION, INC.	0.85	37,026				2,039		37,026						37,026	3		X					D.B. 8519 PG. 86	
80	CHRISTOPHER P. LEIGH ALLYSON (WF.)		22,387				1,021	2,381	22,387						22,387	3		X					D.B. 8905 PG. 58	
81	LARRY K. KIPER	3.72	162,173				2,514	2,927	3.72					3.72		3		X					D.B. 8506 PG. 176	
82	EDWARD J. O'BRIEN CATHERINE M. (WF.)		15,613					760					15,613		15,613	3		X					D.B. 8342 PG. 697	
83	PHILLIP W. LEIGH MARTHA R. (WF.)	10.50		0.019	821		732	10.48						10.48		3		X					D.B. 5889 PG. 476	

FILE NAME: F:\WORK\JEFFERSON\CO-PHASE II\DOCN\COLONNADES\0805CRWSUM.DGN
 USER: Jim
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.

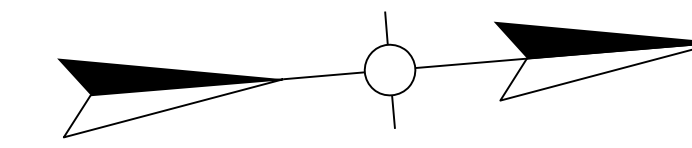
- ① BASIS FOR DETERMINATION OF AREA:
- a. DEED
 - b. P.V.A.
 - c. CALCULATED
 - d. OTHER (AREA ROLLED)

- TYPE SEWER SYSTEM
- 1. PRIVATE - INDIVIDUAL
 - 2. PRIVATE - MULTI PARTY
 - 3. PUBLIC
 - 4. NONE
 - 5. NOT APPLICABLE

- BUILDINGS ACQUIRED CODE
- C - COMMERCIAL
 - R - RESIDENTIAL
 - F - FARM
 - S - STORAGE

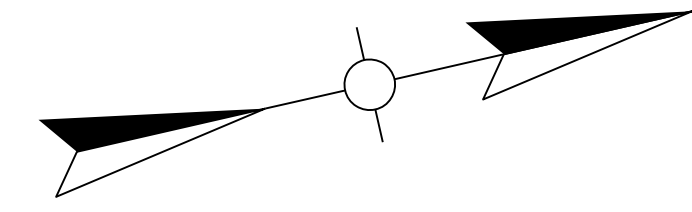
*INCLUDES HAZARDOUS WASTE (UST - UNDERGROUND STORAGE TANKS)

PI 43+23.99



RIGHT OF WAY
STRIP MAP
STA. 48+00 TO STA. 60+00

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DCN\COLONNADES\0805CSMI.DGN
 USER: ryan
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180



FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DGN\COLONNADES\0805CSM2.DGN

USER: doug
DATE PLOTTED: February 20, 2012

E-SHEET NAME:

MicroStation v8.11.7.180

RIGHT OF WAY
STRIP MAP
STA. 60+00 TO STA. 74+00

SCALE: 1" = 50'

KY. 1819 CENTERLINE COORDINATES

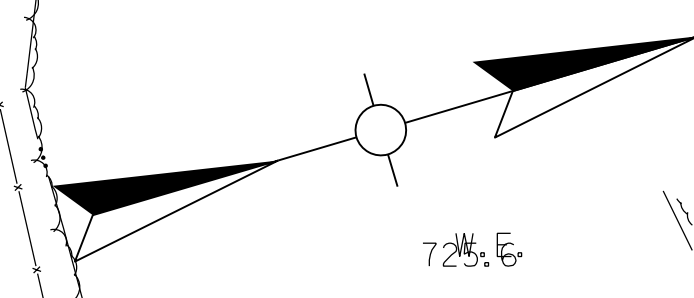
STATION	Project Coordinates		DESCRIPTION
	NORTH (Y)	EAST (X)	
54+00.00	3951351.05	4972124.07	P.O.T.
62+17.79	3952165.95	4972192.81	P.C.
64+43.03	3952390.39	4972211.74	P.I.
66+51.09	3952553.95	4972366.59	P.T.
67+68.76	3952639.41	4972447.49	P.C.
69+40.00	3952778.77	4972546.00	P.O.C.
69+93.82	3952802.84	4972602.21	P.I.

VINTAGE CREEK CENTERLINE COORDINATES

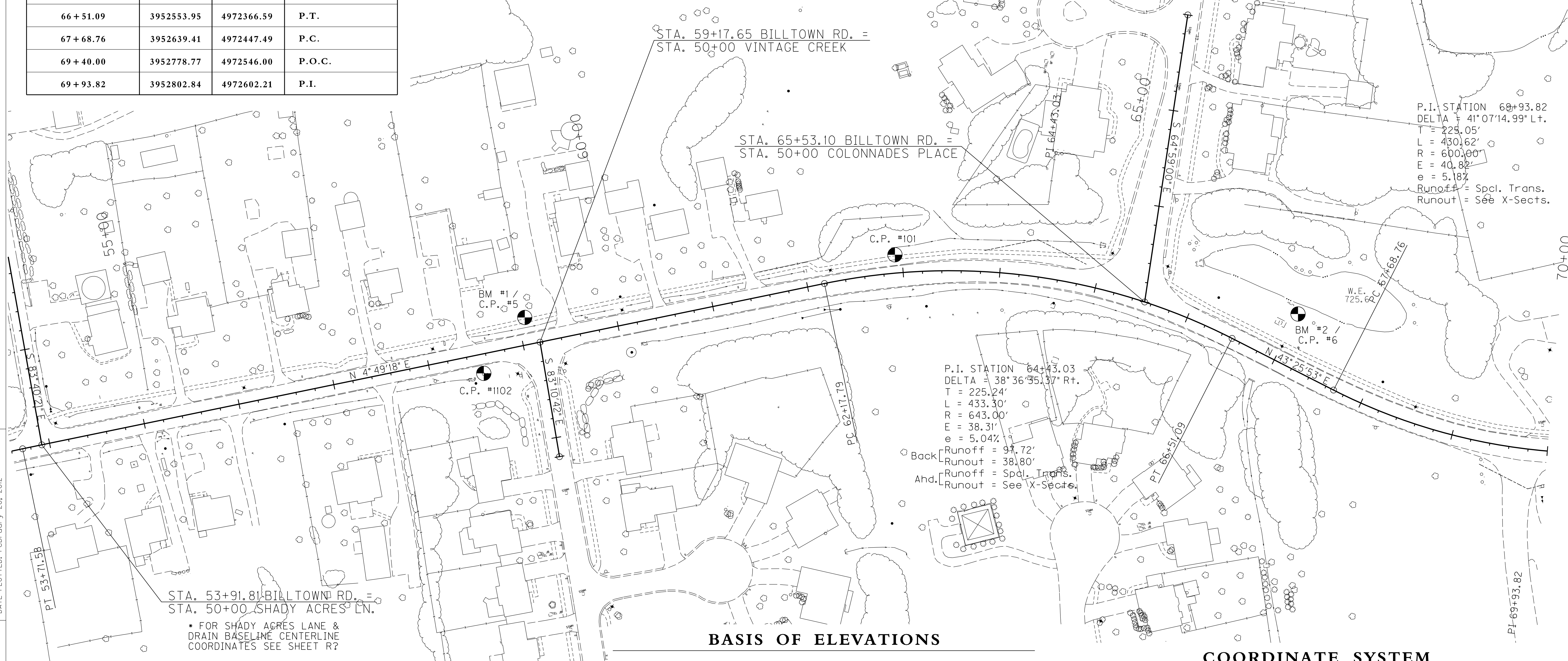
STATION	Project Coordinates		DESCRIPTION
	NORTH (Y)	EAST (X)	
50+00.00	3951866.87	4972167.58	P.O.T.
51+20.00	3951852.62	4972286.73	P.O.T.

COLONNADES PLACE CENTERLINE COORDINATES

STATION	Project Coordinates		DESCRIPTION
	NORTH (Y)	EAST (X)	
47+00.00	3952604.81	4972033.04	P.O.T.
50+00.00	3952477.95	4972304.90	P.O.T.



FILE NAME: F:\WORK\JEFFERSON\CO-PHASE II\DDN\COLONNADES\0805CCCS1.DGN
 USER: r.yon
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180



P.I. STATION 69+93.82
 DELTA = 41°07'14.99\"/>

P.I. STATION 64+43.03
 DELTA = 38°36'35.37\"/>

STA. 53+91.81 BILLTOWN RD. =
 STA. 50+00 SHADY ACRES LN.
 * FOR SHADY ACRES LANE &
 DRAIN BASELINE CENTERLINE
 COORDINATES SEE SHEET R?

BASIS OF ELEVATIONS

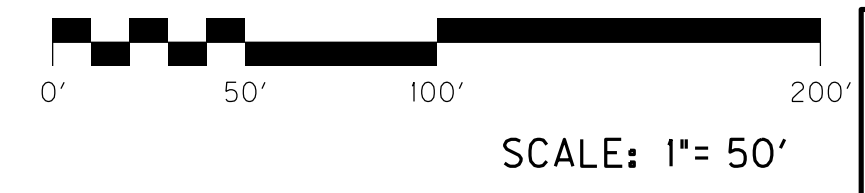
Elevations were derived from LOJIC Control Monuments GPS86-38 and AZI8638-2001. The Elevations reported for these marks are 738.98 (GPS86-38) and 739.72 (AZI8638-2001) and are the basis of elevation for this project. The location of the Benchmarks are as follows:
 GPS86-38 - Located near the intersection of KY 1819 (Billtown Road) and Mary Dell Lane, the mark is a Bernsten Monument set approximately 5 feet from the South edge of pavement of Mary Dell Lane and approximately 46 feet from the East edge of pavement of Billtown Road.
 AZI8638-2001 - Located near the intersection of KY 1819 (Billtown Road) and Lovers Lane, the mark is an Aluminum Cap set in the top of the East end of a concrete headwall approximately 5 feet from the South edge of pavement of Lovers Lane and approximately 6.5 feet from the West edge of pavement of Billtown Road.

COORDINATE SYSTEM

Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/FBN System.
 Coordinates are based on State Plane Coordinate System Single Zone and in U.S. Survey Feet.
 The project Grid Factor is 0.999893733 and was obtained by using the average Grid Factors from the Primary Survey Control over the project area.

COORDINATE CONTROL POINTS

POINT	DESCRIPTION	State Plane Coordinates			STATION and OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)	
C.P. #5	I.P. & Cap in Conc.	3951858.91	4972138.66	742.35	59+07.28, 28.15' Left
C.P. #6	I.P. & Cap in Conc.	3952626.48	4972361.71	728.23	67+00.40, 53.41' Left
C.P. #101	Disc in Conc.	3952244.24	4972184.95	737.73	62+93.10, 18.95' Left
C.P. #1102	Disc in Conc.	3951801.94	4972181.99	741.69	58+54.16, 19.81' Right



COORDINATE CONTROL SHEET
 STA. 54+00 TO STA. 70+00

RIGHT OF WAY MONUMENT POINTS

STATION and OFFSET	TYPE	DESCRIPTION	Project Coordinates		State Plane Coordinates	
			NORTH (Y)	EAST (X)	NORTH (Y)	EAST (X)
54+00.00, 29.69 Right	1				3951348.56	4972153.65
54+50.00, 40.00 Right	1				3951397.51	4972168.13
55+78.63, 40.00 Right	1				3951525.69	4972178.95
61+00.00, 30.07 Left	1				3952051.10	4972152.95
62+52.13, 47.44 Left	1				3952206.58	4972.149.62

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\COLONNADES\RRMONSHEET.DGN

USER: doug
DATE PLOTTED: February 20, 2012

E-SHEET NAME:

MicroStation v8.11.7.180

PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET					
		2-5	5-10	10-15	15-20	20-25	25-30
12 & 15	2 2/3" x 1/2" CSPHS (1)	16 GA.					
	2 2/3" x 1/2" CSPLS (1)	16 GA.					
	2 2/3" x 1/2" CAPHS	16 GA.					
	PVC	SMOOTH WALL (SOLID WALL)					
	HDPE					FF	
	RCP (11)						
18	2 2/3" x 1/2" CSPHS (1)	16 GA.					
	2 2/3" x 1/2" CSPLS (1)	16 GA.					
	2 2/3" x 1/2" CAPHS	16 GA.					
	SRS (1)	16 GA.					
	SRA	16 GA.					
	PVC	RIBBED (PROFILE WALL)					
	HDPE					FF	
RCP (11)							

PIPE DIA. (IN)	PIPE TYPE	CIRCULAR PIPE COVER HEIGHTS IN FEET															
		2-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65			
21	2 2/3" x 1/2" CSPHS (1)	16 GA.															
	2 2/3" x 1/2" CSPLS (1)	16 GA.										10 GA.					
	2 2/3" x 1/2" CAPHS	16 GA.															
	SRS (1)	16 GA.															
	SRA	16 GA.						14 GA.									
	PVC	RIBBED (PROFILE WALL)															
	HDPE											FF					
RCP (11)																	
24	2 2/3" x 1/2" CSPHS (1)	16 GA.										14 GA.					
	2 2/3" x 1/2" CSPLS (1)	16 GA.						10 GA.									
	2 2/3" x 1/2" CAPHS	16 GA.										14 GA.				12 GA.	
	SRS (1)	16 GA.						14 GA.				12 GA.					
	SRA	16 GA.				14 GA.				12 GA.				10 GA.			
	PVC	RIBBED (PROFILE WALL)															
	HDPE											FF					
RCP (11)																	
(6)																	

NOTES

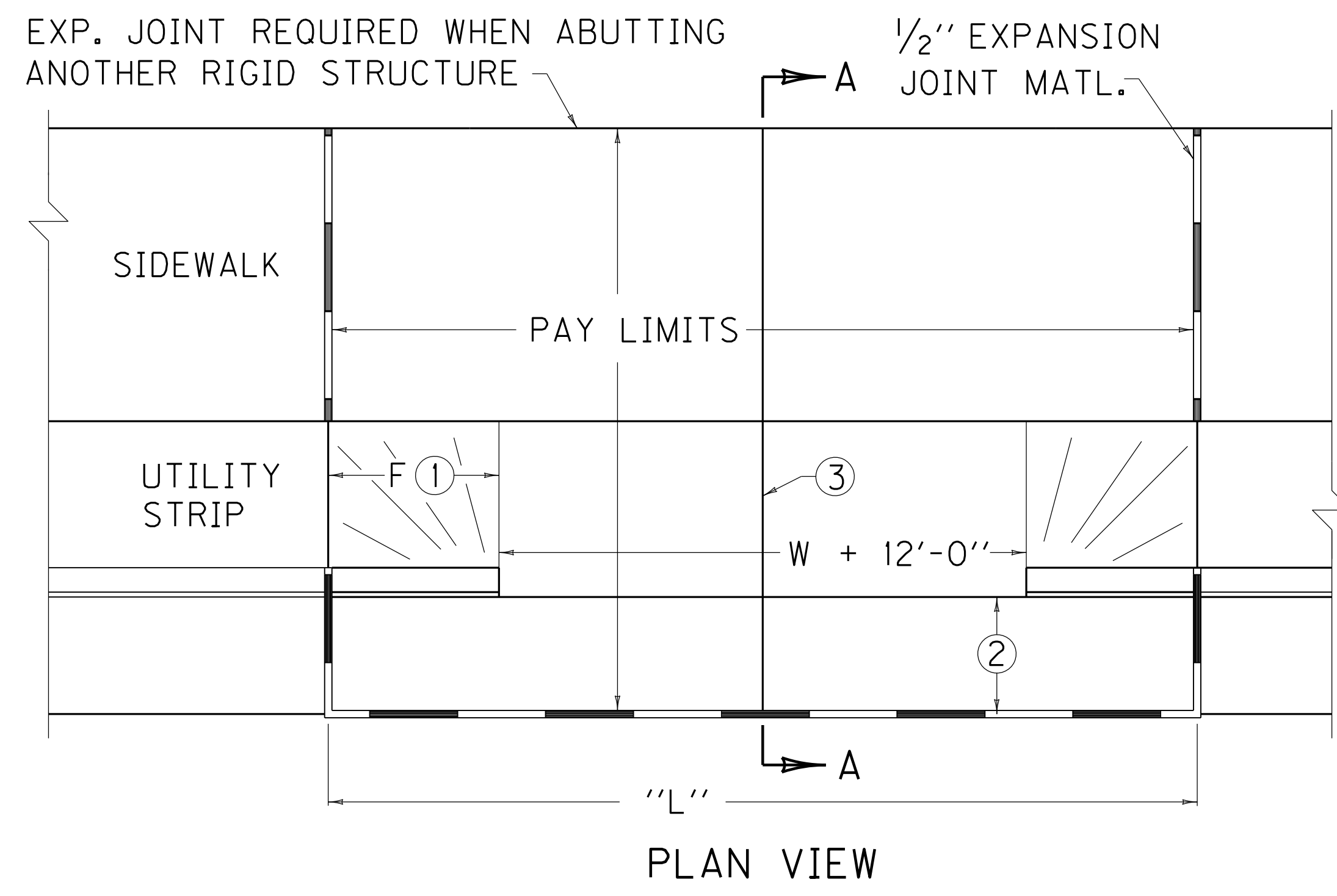
- ① GAGES FOR CORRUGATED STEEL PIPE ITEMS SHOWN ARE BASED ON ALUMINUM-COATED TYPE 2 STEEL AS PER AASHTO M-274. ALUMINUM COATED TYPE 2 STEEL IS ONLY PERMITTED IN Ph RANGES OF 5 TO 9
2. WHEN CORRUGATED STEEL PIPE IS ZINC COATED (GALVANIZED) THE GAGE SHALL BE ONE GAGE HEAVIER THAN SHOWN IN THE TABLES.
3. CSP, CAP, SRS AND SRA ARE SHOWN IN GAGE.
4. MAXIMUM COVER HEIGHT MEASURED FROM TOP OF PIPE TO SUBGRADE ELEVATION SHALL GOVERN GAGE OF PIPE TO BE USED FOR ENTIRE LENGTH OF PIPE INSTALLATION.
5. MINIMUM COVER HEIGHTS FOR PIPE SHALL BE 2 FEET. GAGE OF PIPE FOR COVER HEIGHTS LESS THAN 2 FEET SHALL BE THAT SHOWN FOR COVER HEIGHTS OF 30 FEET (SEE STD. SPECIFICATIONS FOR BACKFILL). HDPE AND PVC SHALL NOT BE PERMITTED FOR COVER HEIGHTS LESS THAN 2 FEET.
- ⑥ 24" DIA. PIPE IS MINIMUM SIZE FOR COVER HEIGHTS FROM 30 FEET TO 65 FEET.
7. MINIMUM COVER HEIGHT FOR ENTRANCE PIPE SHALL BE 0.5 FEET.
8. GAGE OF ENTRANCE PIPE FOR COVER HEIGHTS LESS THAN 2 FEET SHALL MEET THE FOLLOWING REQUIREMENTS:
 - a. GAGE OF CSP SHALL BE THAT SHOWN FOR HEIGHTS OF 30 FEET.
 - b. GAGE OF CAP SHALL BE ONE GAGE HEAVIER THAN SHOWN IN THE TABLE.
9. ALL CIRCULAR STRUCTURAL PLATE SHALL BE 5% VERTICALLY ELONGATED.
10. SEE CURRENT STANDARD DRAWING RDI-035 FOR COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PIPE.
- ⑪ SEE DETAIL SHEET "PIPE BEDDING FOR CULVERTS, ENTRANCE, AND STORM SEWER REINFORCED CONC. PIPE" AND DETAIL SHEET "PIPE BEDDING TRENCH CONDITION REINFORCED CONC. PIPE" FOR RCP COVER HEIGHT AND BEDDING REQUIREMENTS.

LEGEND

- CSPHS: CORRUGATED STEEL PIPE WITH HELICAL LOCK SEAM OR HELICAL WELDED SEAM (HELICAL CORR.)
 - CSPLS: CORRUGATED STEEL PIPE WITH LONGITUDINAL RIVETED OR SPOT WELDED SEAM (ANNULAR CORR.)
 - CAPHS: CORRUGATED ALUMINUM ALLOY PIPE WITH HELICAL LOCK SEAM (HELICAL CORR.)
 - HDPE: HIGH DENSITY POLYETHYLENE PIPE
 - PVC: POLYVINYL CHLORIDE
 - SRS: SPIRAL RIB STEEL
 - SRA: SPIRAL RIB ALUMINUM
 - RCP: CIRCULAR REINFORCED CONCRETE PIPE
 - FF: FLOWABLE FILL REQUIRED
- 12" PIPE - 24" PIPE

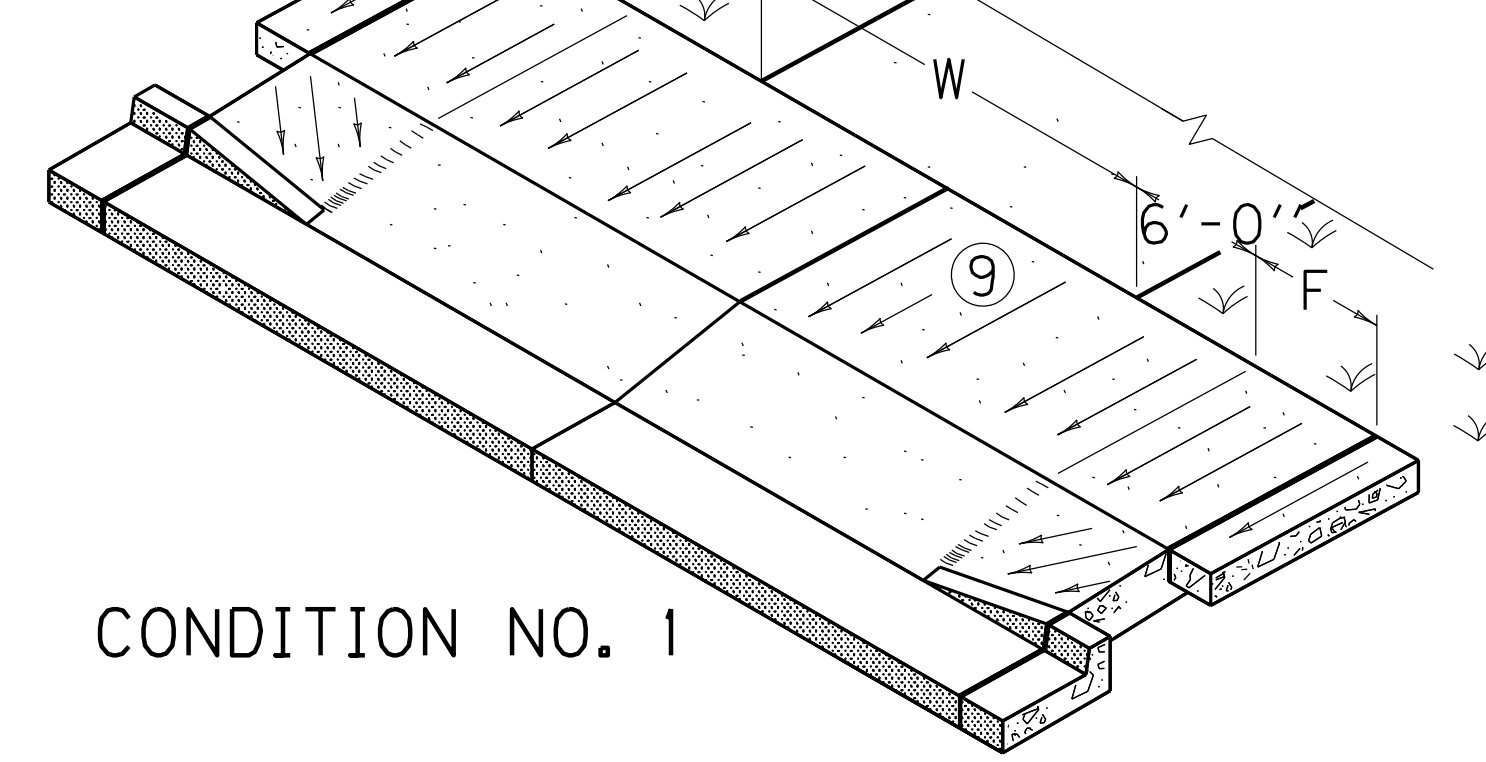
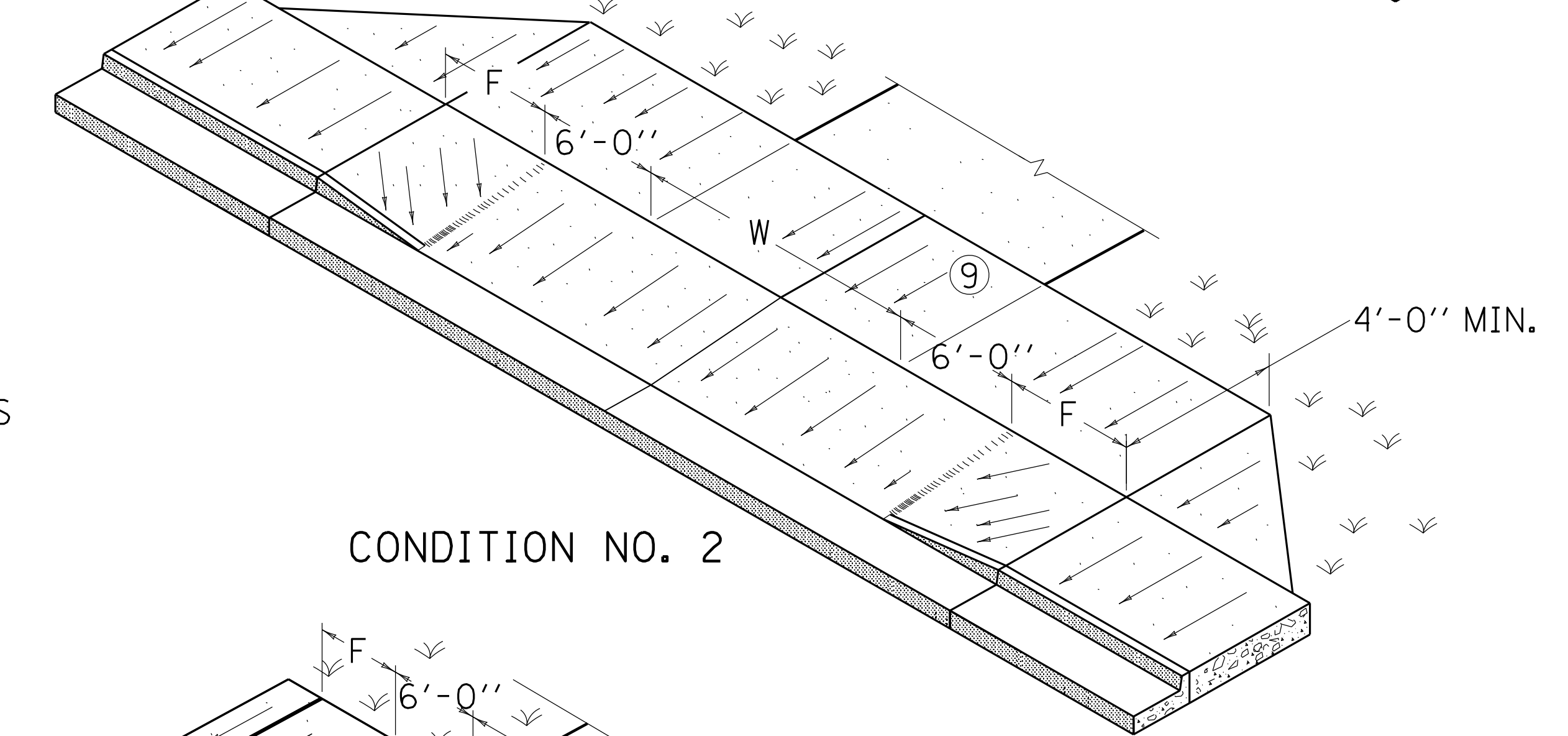
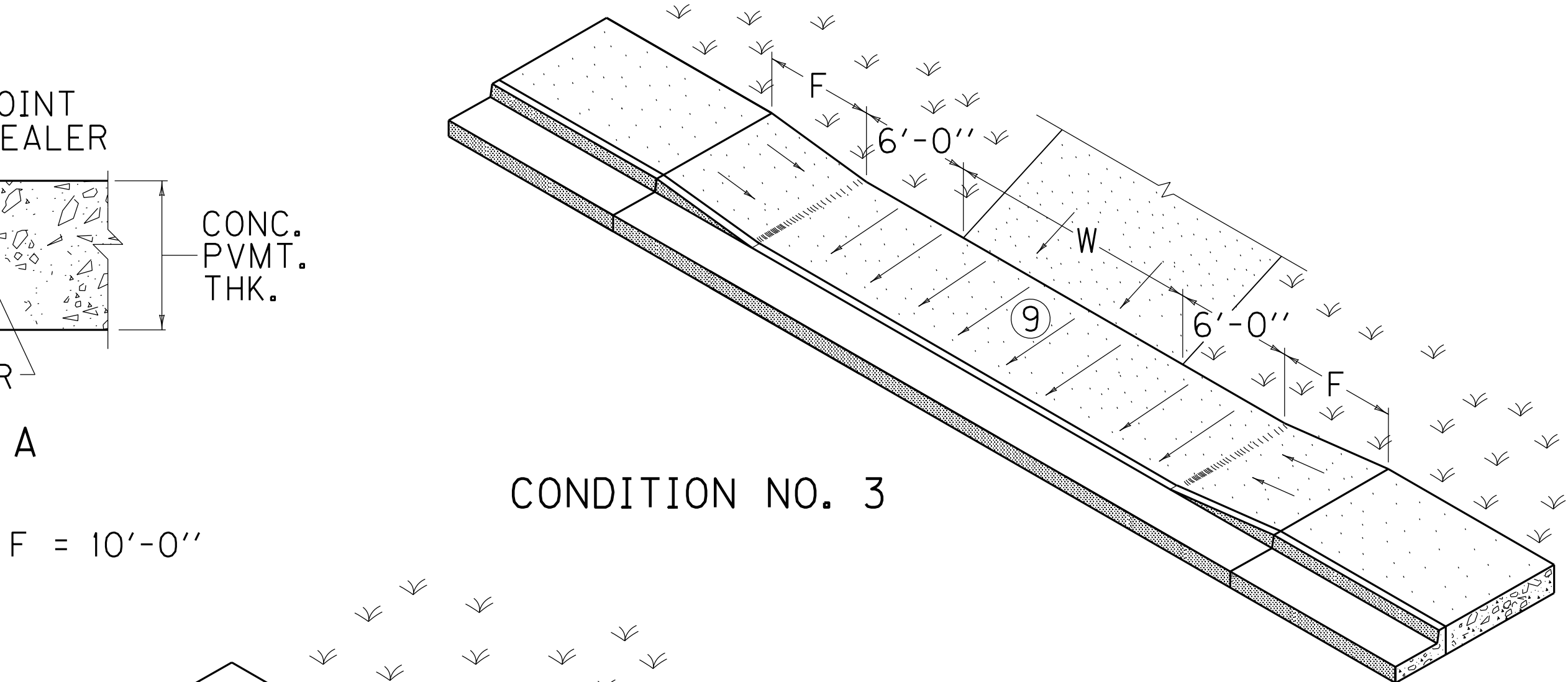
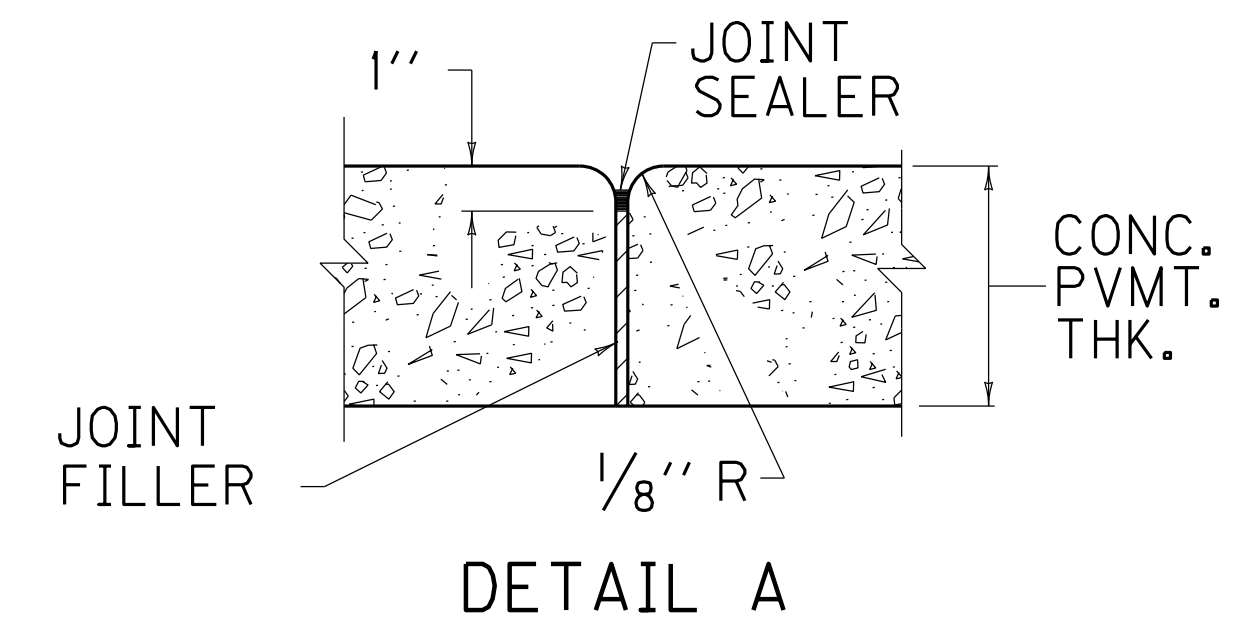
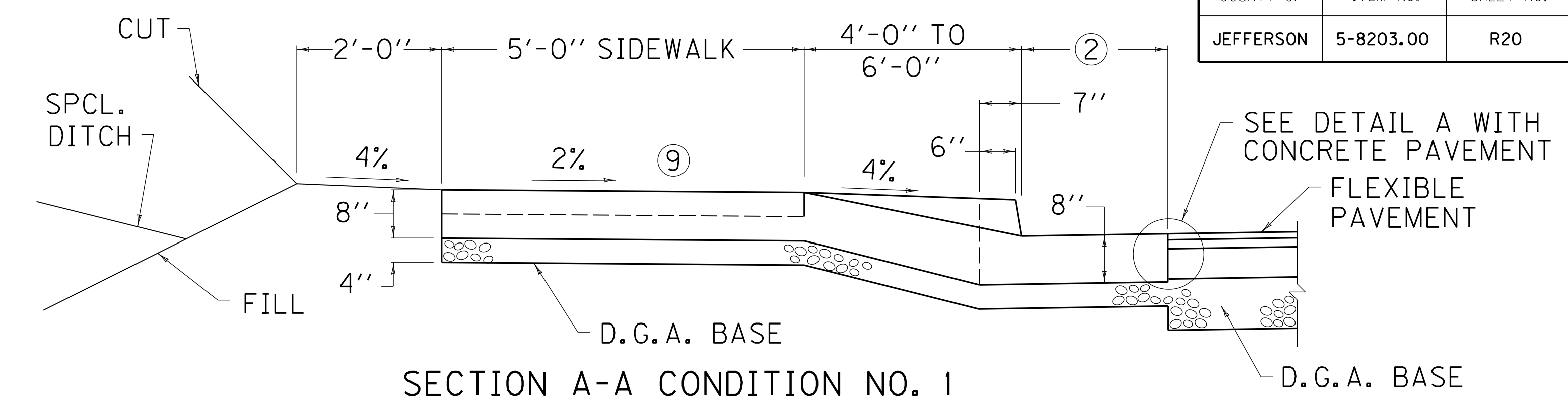
KENTUCKY
DEPARTMENT OF HIGHWAYS
CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS

APPROVED  DATE 04-25-08



~ NOTES ~

- ① FOR WIDTH W AND F:
RESIDENTIAL - MINIMUM W = 12'-0", MAXIMUM W = 24'-0"; MINIMUM F = 2'-6", MAXIMUM F = 10'-0"
COMMERCIAL - MINIMUM W = 24'-0", MAXIMUM W = 36'-0"; F = 10'-0"
WHEN MORE THAN 2 LANES ARE REQUIRED, 36'-0" WIDTH MAY BE INCREASED TO RELIEVE INTERFERENCE BETWEEN ENTERING AND EXITING TRAFFIC. AT THE ENGINEER'S DISCRETION RADIAL RETURNS MAY BE USED ON ENTRANCES. SOME APPLICABLE CASES ARE THE FOLLOWING:
 - a. ON ENTRANCES EXPECTED TO CARRY HIGH VOLUMES OF TRAFFIC.
 - b. WHEN ENTRANCE WIDTH IS GREATER THAN 36'.
 - c. WHEN THE HIGHWAY HAS A POSTED OR OPERATING SPEED OVER 40 MPH.
 - d. ON A RURAL SECTION WHERE A FLUSH SHOULDER EXISTS.
 - e. WHERE AN EXCLUSIVE RIGHT TURN LANE IS USED.
- ② 1'-0" OR 2'-0" WITH CONCRETE PAVEMENT, 2'-0" WITH FLEXIBLE PAVEMENT
- ③ WHEN "L" DIMENSION IS GREATER THAN 15'-0" A SAWED AND SEALED JOINT, 1/2" DEEP AND 1/4" WIDE SHALL BE PLACED AT THE CENTER OF THE "L" DIMENSION. WIDE ENTRANCES REQUIRE ADDITIONAL JOINTS, SPACING SHALL NOT EXCEED 15'-0" O.C.
4. CLASS "A" CONCRETE OR JOINTED PLAIN CONCRETE PAVEMENT SHALL BE USED IN THE ENTRANCE PAVEMENT.
5. THE ENTRANCE PAVEMENT SHALL RECEIVE A BROOM FINISH AND SHALL BE CURED THE SAME AS THE MAINLINE PAVEMENT AND/OR SIDEWALK.
6. THE CONTRACT UNIT PRICE BID PER SQUARE YARD FOR "CONC. ENT. PAVEMENT- 8 INCH (CODE NO. 2101)" SHALL INCLUDE CLASS "A" CONCRETE AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK. D.G.A. AND DETECTABLE WARNINGS SHALL BE SEPARATE BID ITEMS.
7. USE CONDITION NO. 2 OR NO. 3 WHEN LITTLE OR NO UTILITY STRIP IS PROVIDED, AND INCORPORATE FEATURES OF OTHER DESIGNS SHOWN WHERE NOT IN CONFLICT.
8. PROVIDED THAT ADA GUIDELINES SHOWN IN NOTES ⑨ AND 10 ARE FOLLOWED, THE ENGINEER MAY MODIFY THE DESIGN TO BETTER FIT EXISTING CONDITIONS.
- ⑨ 2% CROSS SLOPE MAXIMUM ON SIDEWALK. IF CONDITIONS WARRANT, SIDEWALK MAY BE SLOPED 2% AWAY FROM ROADWAY.
10. SIDEWALKS SHOULD BE DESIGNED WITH A MAX. GRADE OF 5% . WHERE A SIDEWALK RUNS ALONG A STEEP ROADWAY, THE SIDEWALK GRADE MAY EXCEED 5% IF IT FOLLOWS THE GRADE OF THE ROADWAY.
11. COMMERCIAL DRIVEWAYS WITH TRAFFIC CONTROL DEVICES REQUIRE ADA SIDEWALK TREATMENTS WITH DETECTABLE WARNINGS.



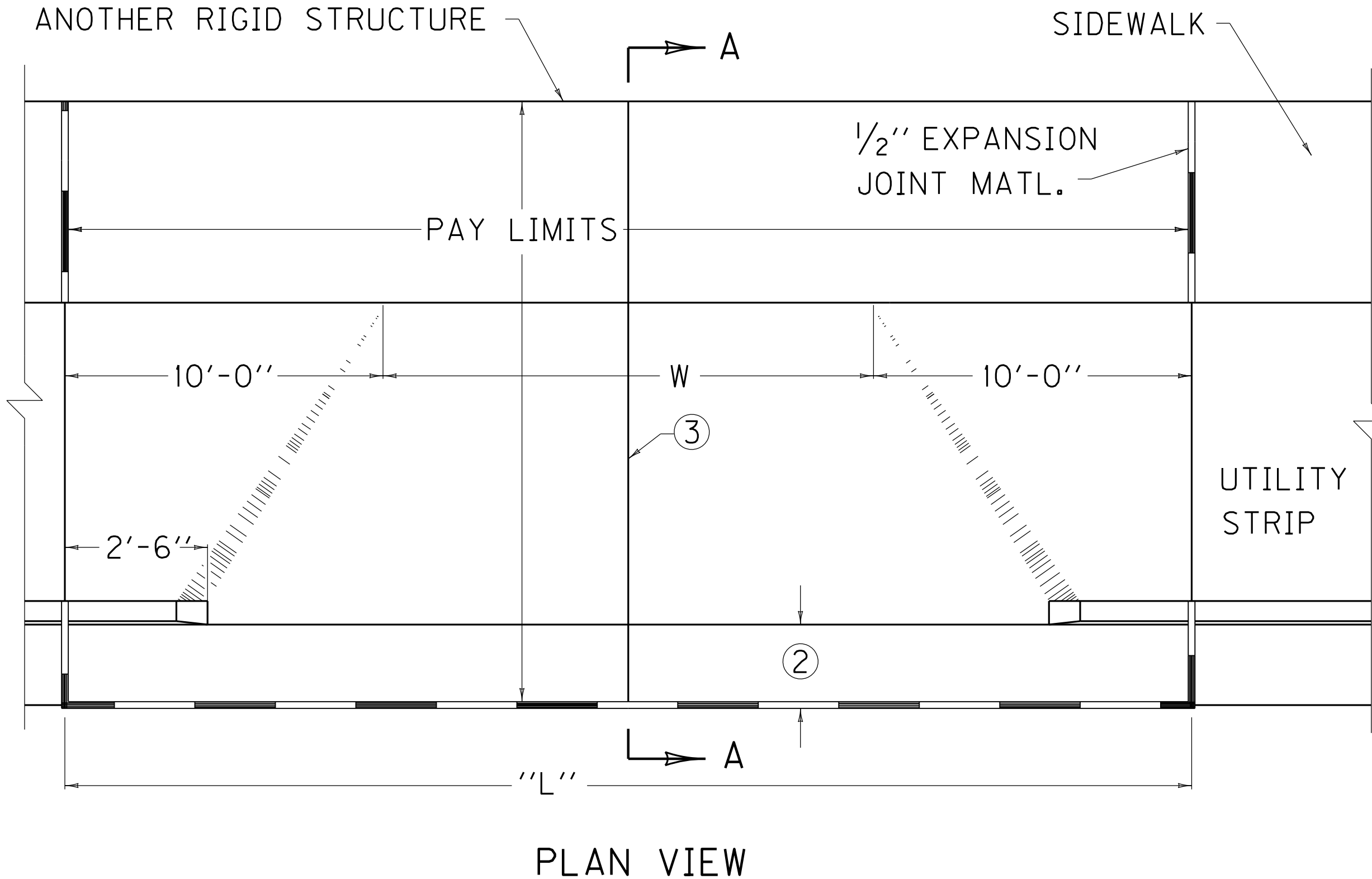
USE WITH CUR. STD. DWG. RGX-040

KENTUCKY
DEPARTMENT OF HIGHWAYS

CONCRETE
ENTRANCE PAVEMENT
AND SIDEWALK

APPROVED *[Signature]* 03-13-09
DATE

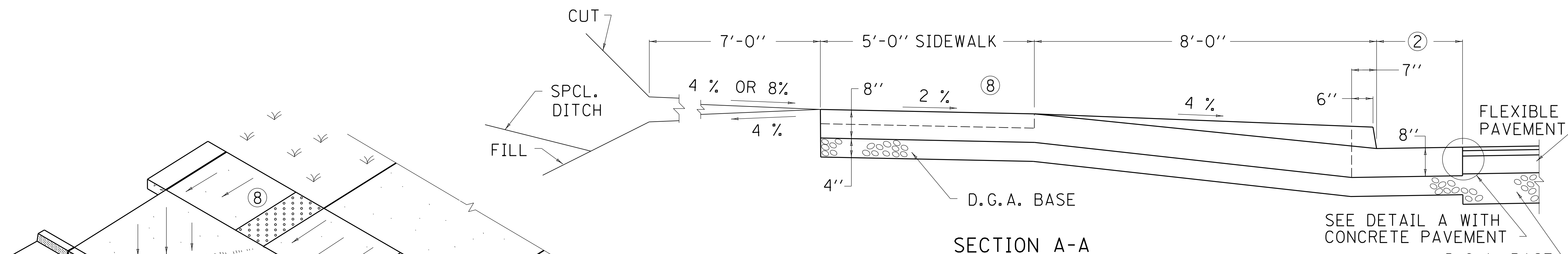
EXP. JOINT REQUIRED WHEN ABUTTING ANOTHER RIGID STRUCTURE



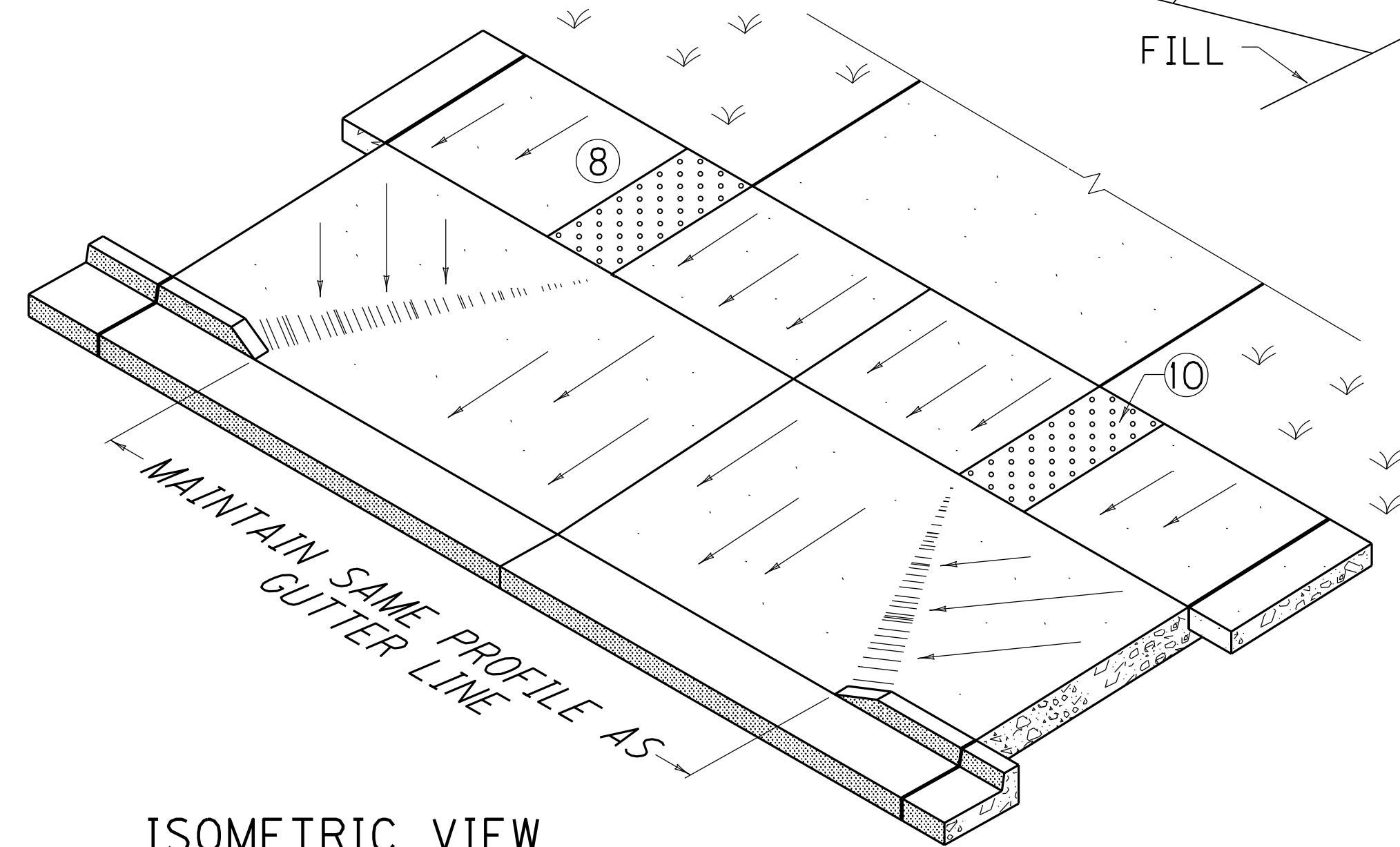
PLAN VIEW

~ NOTES ~

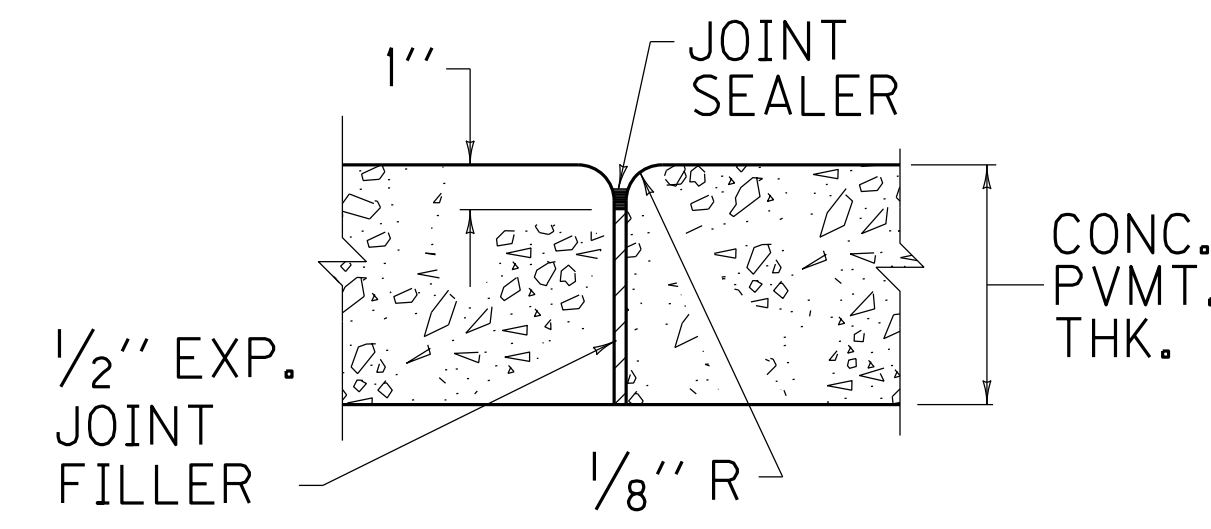
- ① FOR WIDTH W:
COMMERCIAL - MINIMUM W = 24'-0", MAXIMUM W = 36'-0"
WHEN MORE THAN 2 LANES ARE REQUIRED, 36'-0" WIDTH MAY BE INCREASED TO RELIEVE INTERFERENCE BETWEEN ENTERING AND EXITING TRAFFIC. AT THE ENGINEER'S DISCRETION RADIAL RETURNS MAY BE USED ON ENTRANCES. SOME APPLICABLE CASES ARE THE FOLLOWING:
 - a. ON ENTRANCES EXPECTED TO CARRY HIGH VOLUMES OF TRAFFIC.
 - b. WHEN ENTRANCE WIDTH IS GREATER THAN 36'.
 - c. WHEN THE HIGHWAY HAS A POSTED OR OPERATING SPEED OVER 40 MPH.
 - d. ON A RURAL SECTION WHERE A FLUSH SHOULDER EXISTS.
 - e. WHERE AN EXCLUSIVE RIGHT TURN LANE IS USED.
- ② 1'-0" OR 2'-0" WITH CONCRETE PAVEMENT, 2'-0" WITH FLEXIBLE PAVEMENT.
- ③ WHEN "L" DIMENSION IS GREATER THAN 15'-0" A SAWED AND SEALED JOINT, 1/2" DEEP AND 1/4" WIDE SHALL BE PLACED AT THE CENTER OF THE "L" DIMENSION. WIDE ENTRANCES REQUIRE ADDITIONAL JOINTS, SPACING SHALL NOT EXCEED 15'-0" O.C.
4. CLASS "A" CONCRETE OR JOINTED PLAIN CONCRETE PAVEMENT SHALL BE USED IN THE ENTRANCE PAVEMENT.
5. THE ENTRANCE PAVEMENT SHALL RECEIVE A BROOM FINISH AND SHALL BE CURED THE SAME AS THE MAINLINE PAVEMENT AND/OR SIDEWALK.
6. THE CONTRACT UNIT PRICE BID PER SQUARE YARD FOR "CONC. ENT. PAVEMENT- 8 INCH (CODE NO. 2101)" SHALL INCLUDE CLASS "A" CONCRETE AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK. D.G.A. AND DETECTABLE WARNINGS SHALL BE SEPARATE BID ITEMS.
7. PROVIDING THAT ADA GUIDELINES SHOWN IN NOTE ⑧ AND 9 ARE FOLLOWED, THE ENGINEER MAY MODIFY THE DESIGN TO BETTER FIT EXISTING CONDITIONS.
- ⑧ 2% CROSS SLOPE MAXIMUM ON SIDEWALK.
9. SIDEWALKS SHOULD BE DESIGNED WITH A MAX. GRADE OF FIVE PERCENT. WHERE A SIDEWALK RUNS ALONG A STEEP ROADWAY, THE SIDEWALK GRADE MAY EXCEED FIVE PERCENT IF IT FOLLOWS THE GRADE OF THE ROADWAY.
- ⑩ COMMERCIAL DRIVEWAYS WITH TRAFFIC CONTROL DEVICES REQUIRE ADA SIDEWALK TREATMENTS WITH DETECTABLE WARNINGS.



SECTION A-A



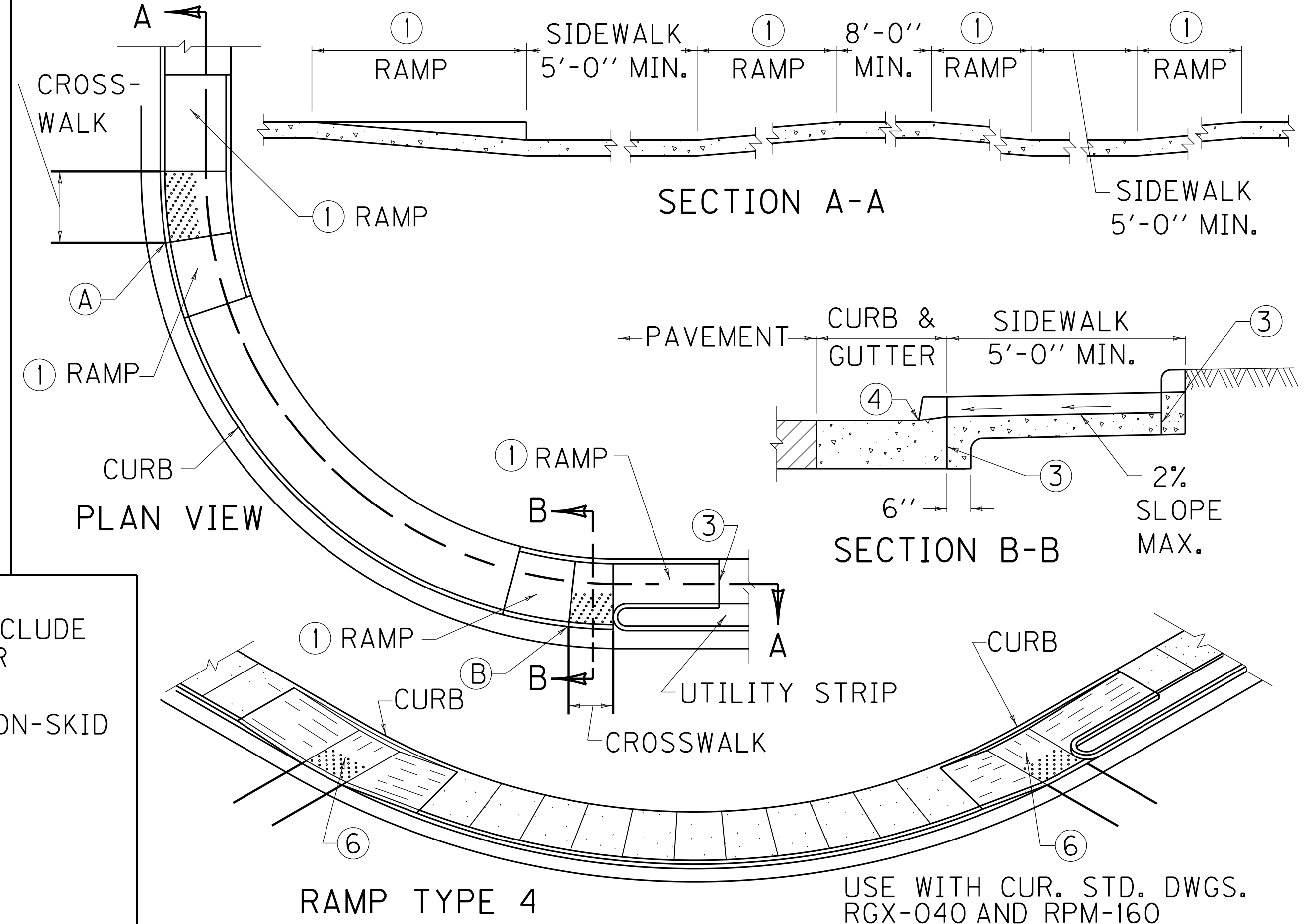
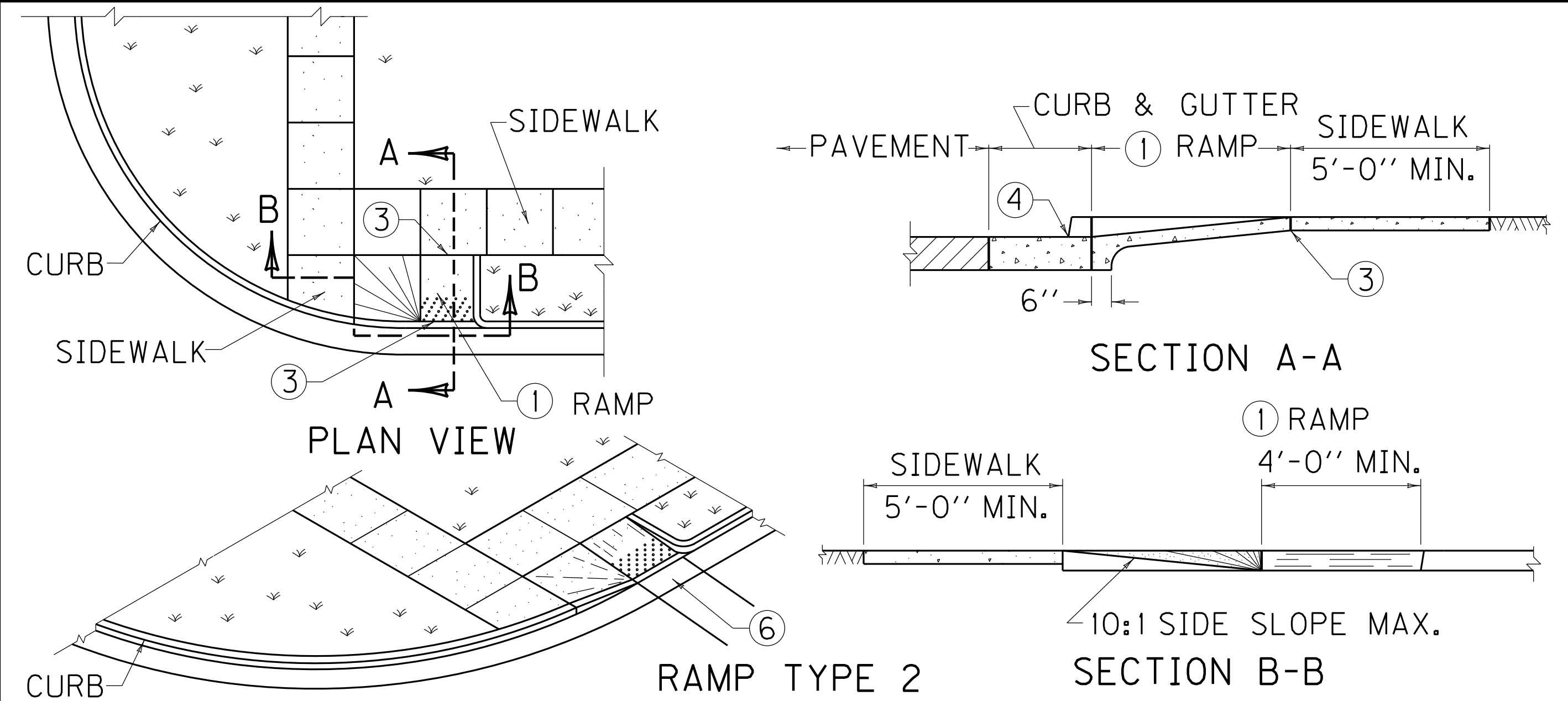
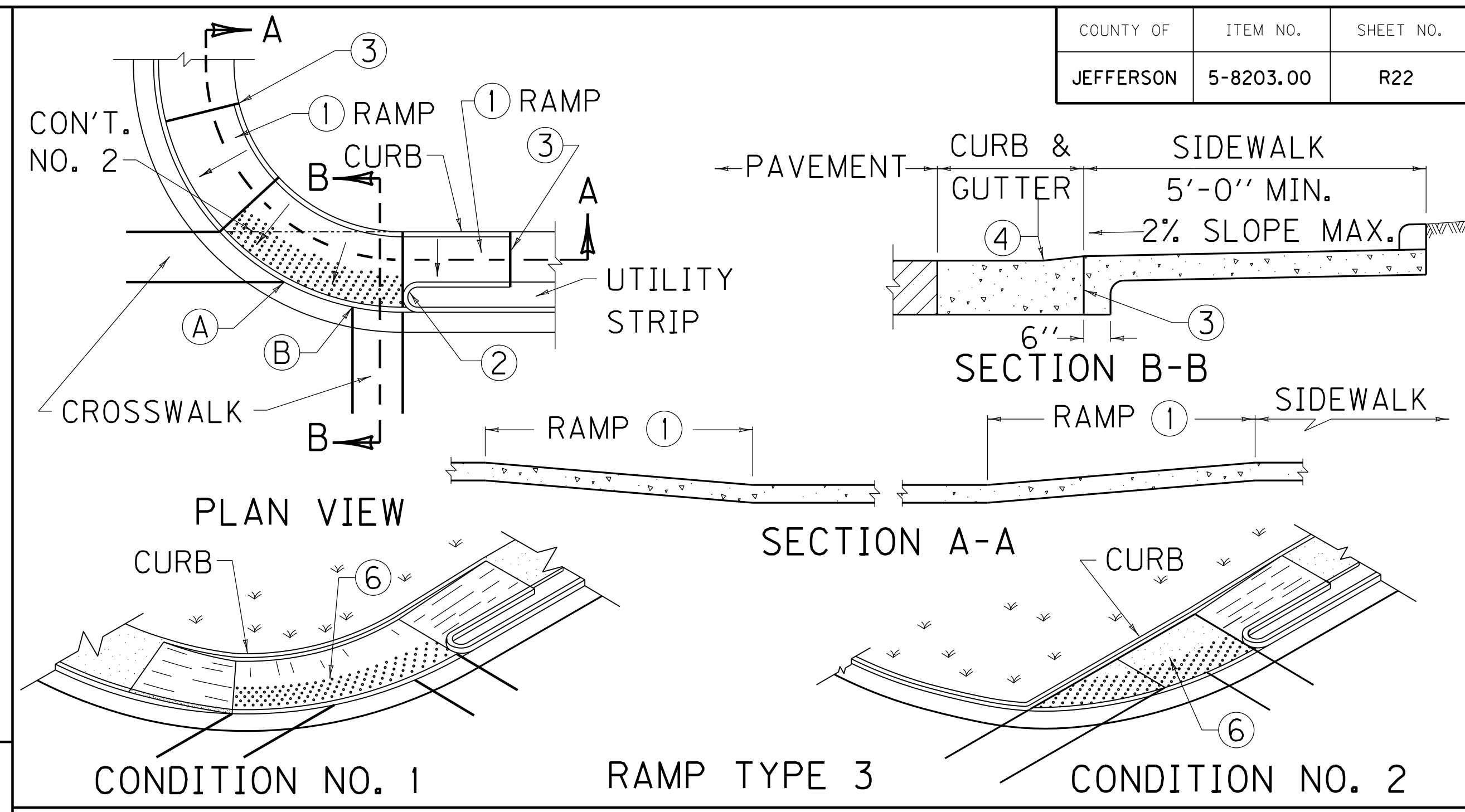
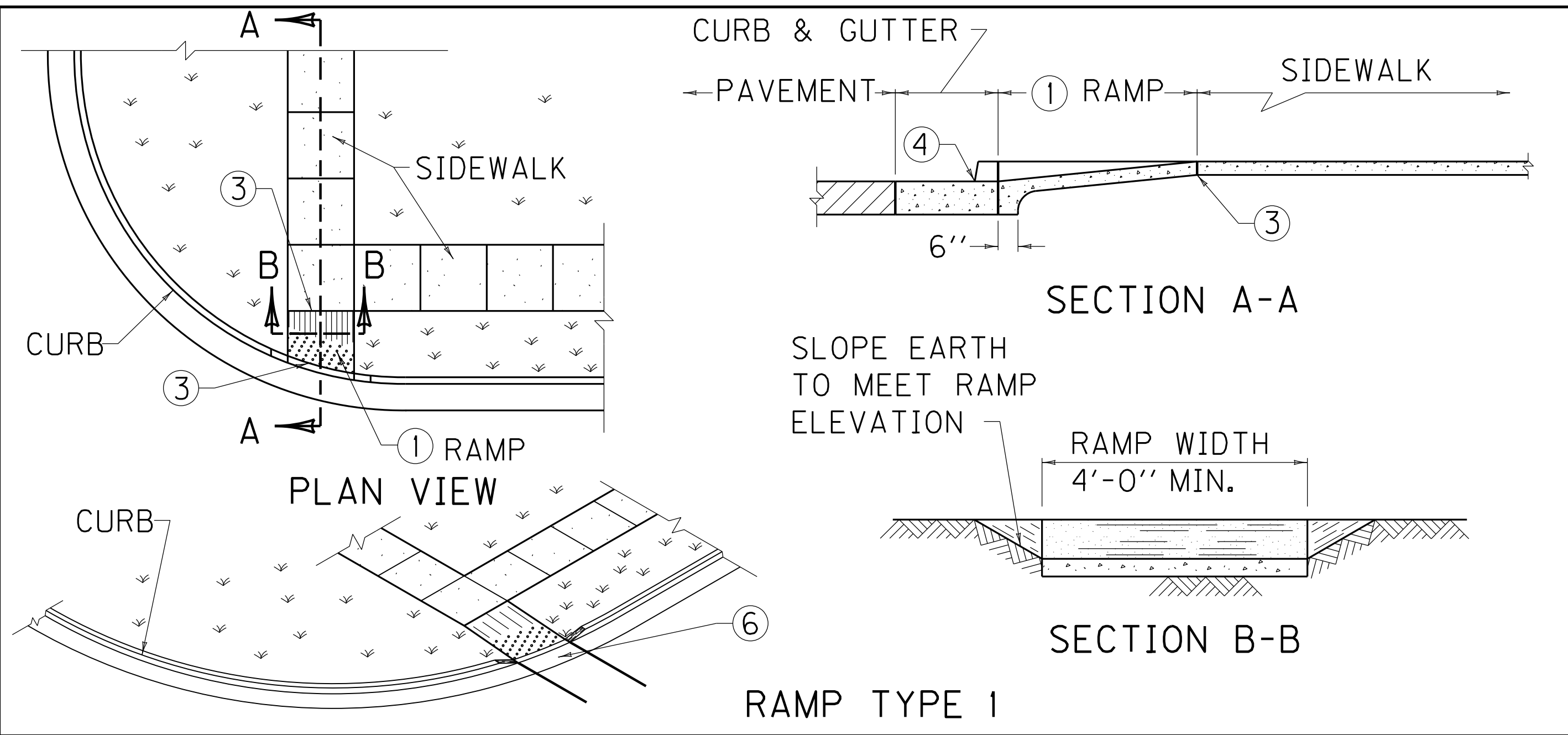
ISOMETRIC VIEW



DETAIL A

SEE DETAIL A WITH CONCRETE PAVEMENT
D.G.A. BASE
USE WITH CUR. STD. DWG. RGX-040

KENTUCKY DEPARTMENT OF HIGHWAYS	
CONCRETE ENTRANCE PAVEMENT AND SIDEWALK	
APPROVED 	03-13-09 DATE



NOTES

RAMPS SHALL BE PAID PER SQ. YARD OF 4" CONC. SIDEWALK AND THE UNIT PRICE SHALL INCLUDE ALL MATERIALS, FORMS, CURB BEHIND RAMP AND LANDING, AND INCIDENTALS NECESSARY FOR CONSTRUCTION.

THE RAMP SHALL BE CONSTRUCTED OF CLASS "A" CONCRETE. A BROOM FINISH OR EQUAL NON-SKID FINISH IS REQUIRED. DETECTABLE WARNINGS SHALL BE A SEPARATE BID ITEM.

THE NORMAL GUTTER LINE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.

RAMPS SHOULD BE LOCATED WITHIN MARKED LIMITS OF CROSSWALKS.

USE RAMP TYPE 3 WHEN POINT A TO B IS LESS THAN 20 FEET.

USE RAMP TYPE 4 WHEN POINT A TO B IS 20 FEET OR MORE.

① CURB RAMP GRADE SHALL NOT EXCEED 12:1, CROSS SLOPE SHALL NOT EXCEED 2%. ON RETROFIT CURB RAMPS, GRADES OF 12.5% FOR 2'-0" OR 10% FOR 5'-0" ARE PERMISSABLE.

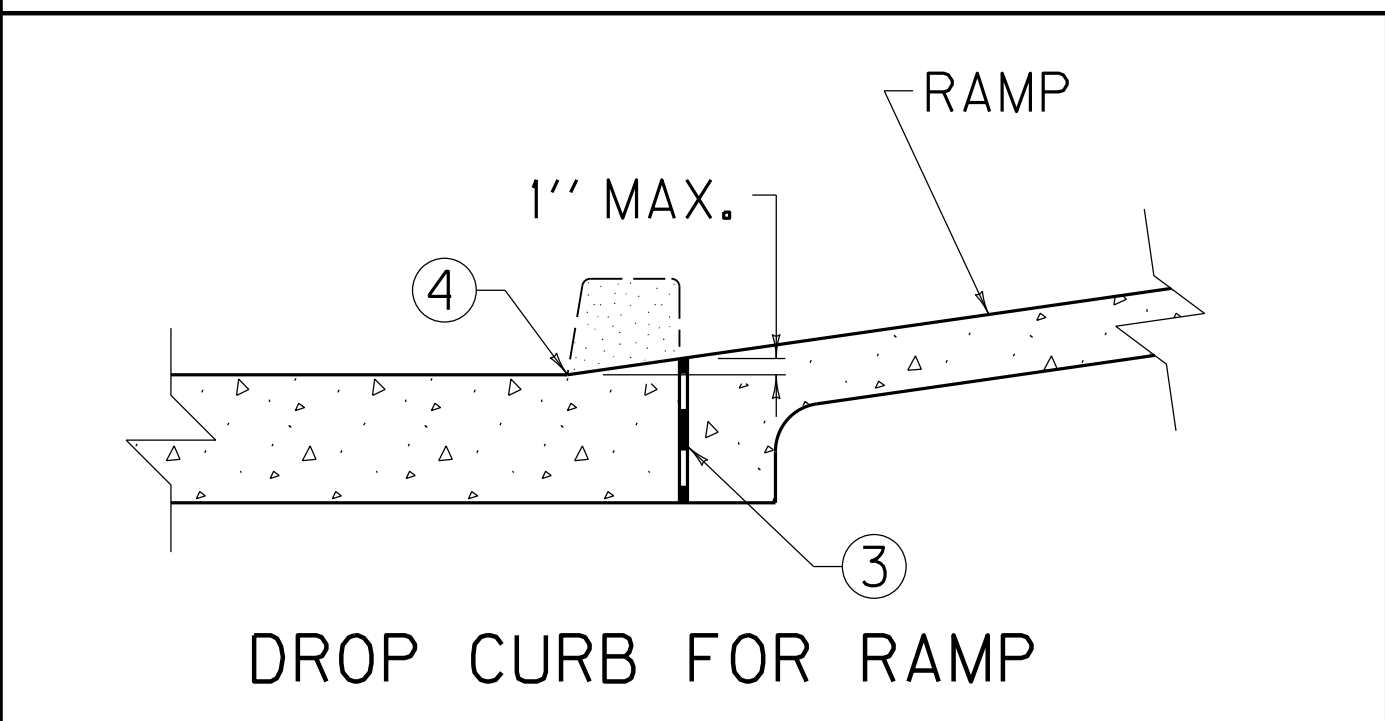
② CURB RETURN REQUIRED WHEN UTILITY STRIP IS 4 FEET OR GREATER. FOR UTILITY STRIPS LESS THAN 4 FEET, THE AREA IS TO BE SURFACED WITH SIDEWALK WITHIN THE RAMP.

③ 1/2" EXPANSION JOINT AT BACK OF CURB LINE AND AT SIDEWALK LINE.

④ NO BUMP PERMITTED. SAME SLOPE AS RAMP AND NOT TO EXCEED 1" IN HEIGHT. RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.

5. ALL SIDEWALK RAMPS REQUIRE DETECTABLE WARNINGS.

⑥ LANDINGS WILL PROVIDE A LEVEL AREA (LESS THAN 2% GRADE OR CROSS SLOPE) AT APPROXIMATE STREET ELEVATION. A 4 FOOT SQUARE LEVEL LANDING IS THE REQUIRED MINIMUM.

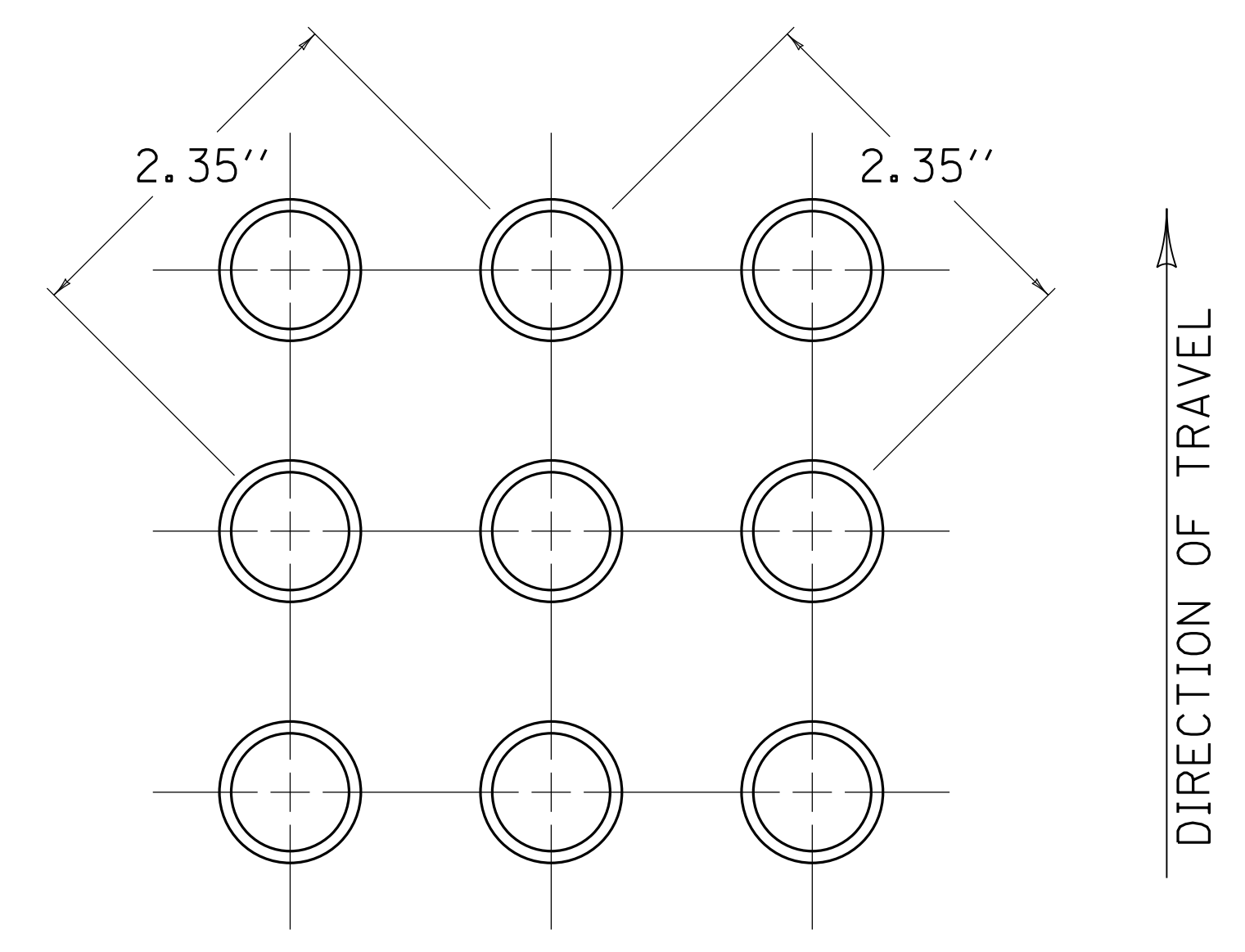


KENTUCKY
DEPARTMENT OF HIGHWAYS

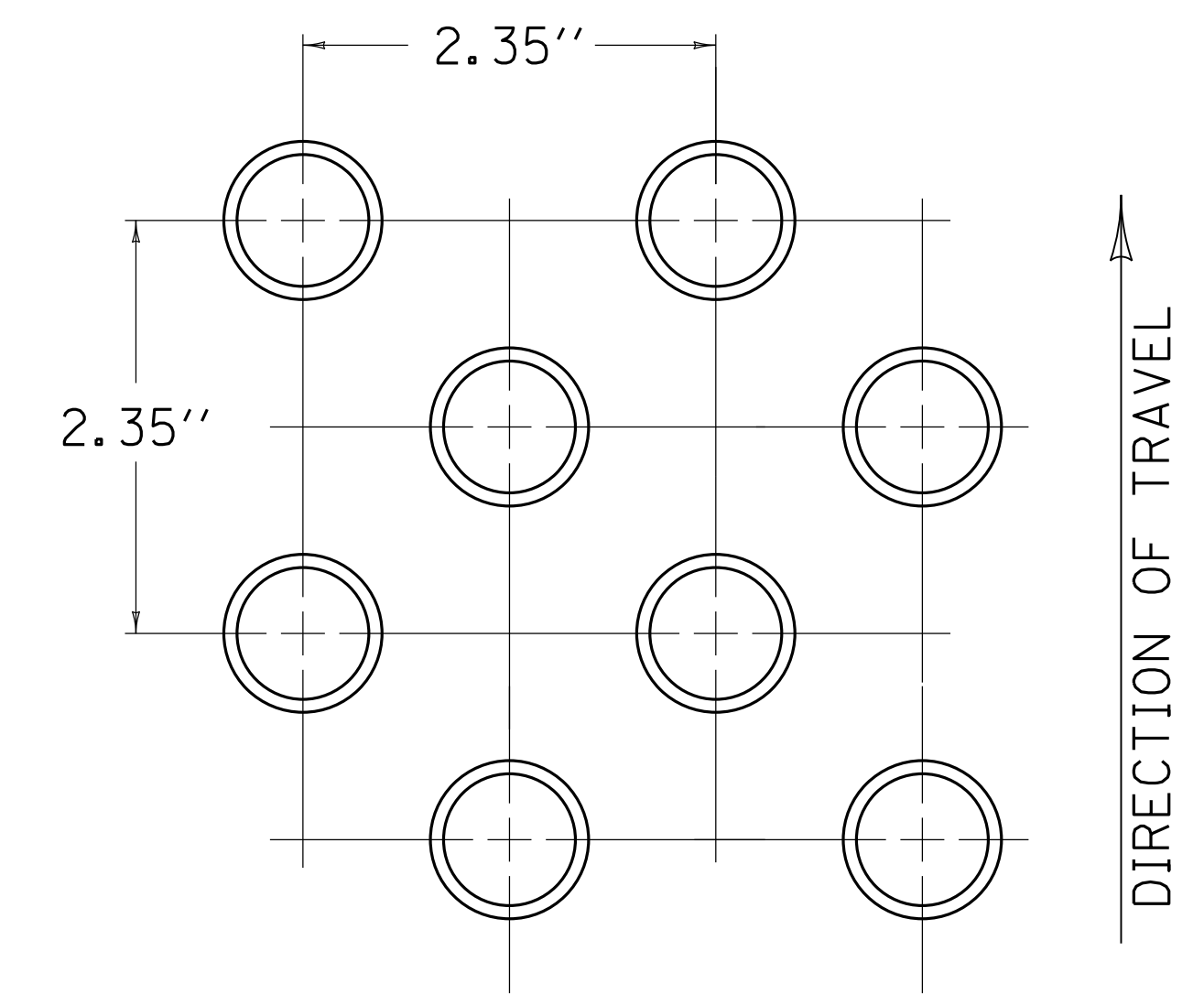
**SIDEWALK
RAMPS**

APPROVED: *[Signature]* 12-16-08
DATE

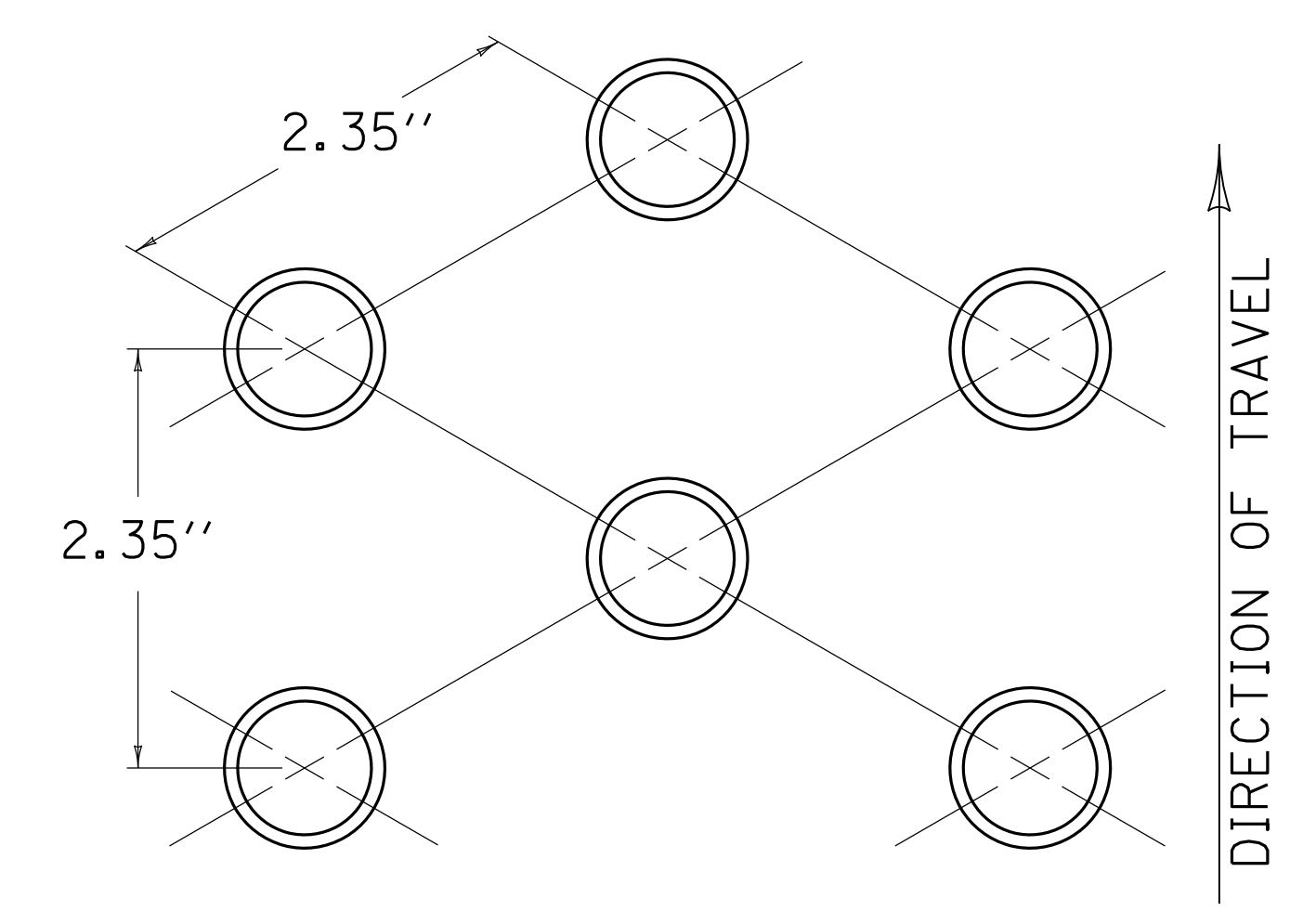
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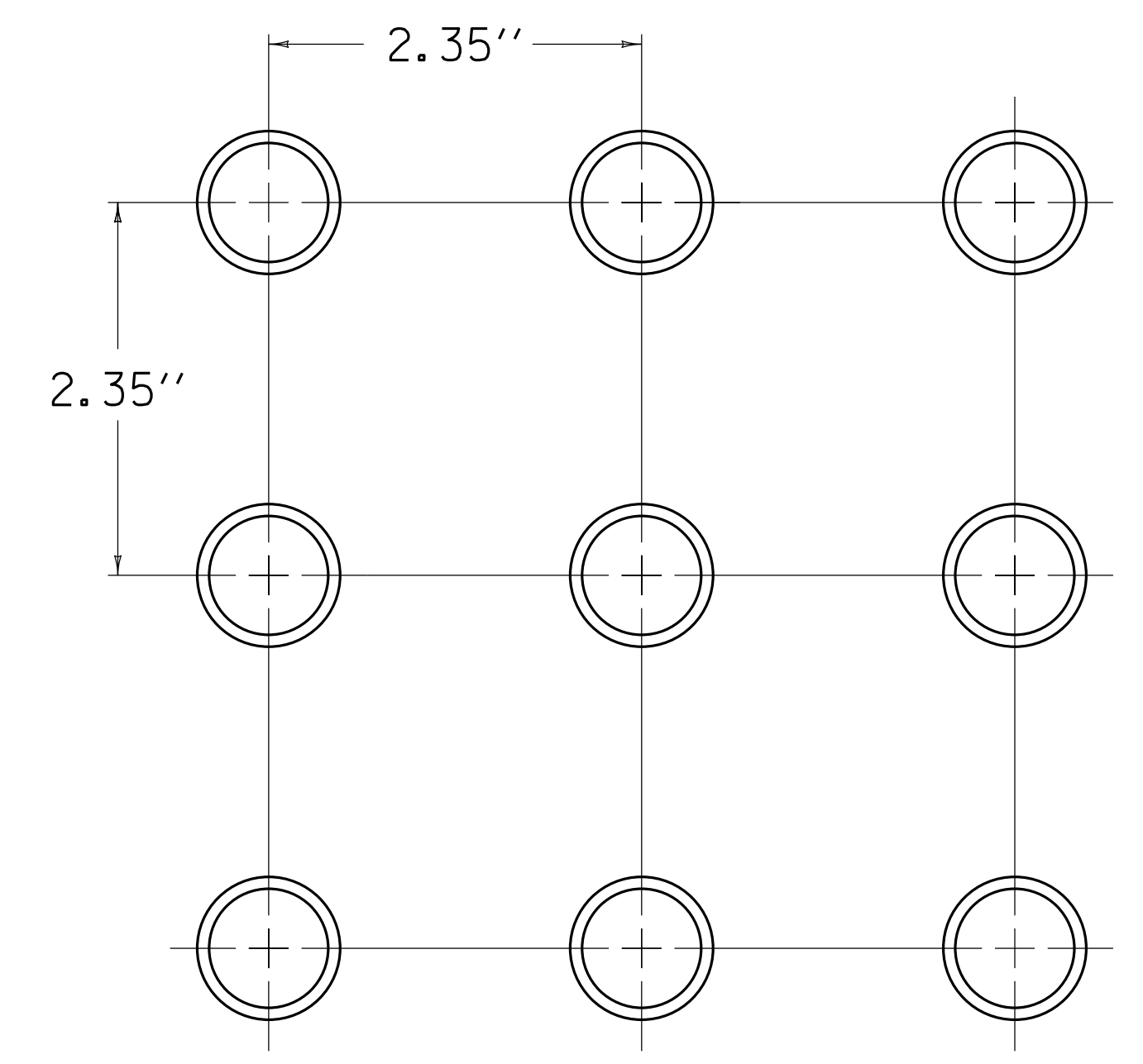
SQUARE PATTERN (PARALLEL ALIGNMENT)



SQUARE PATTERN (DIAGONAL ALIGNMENT)

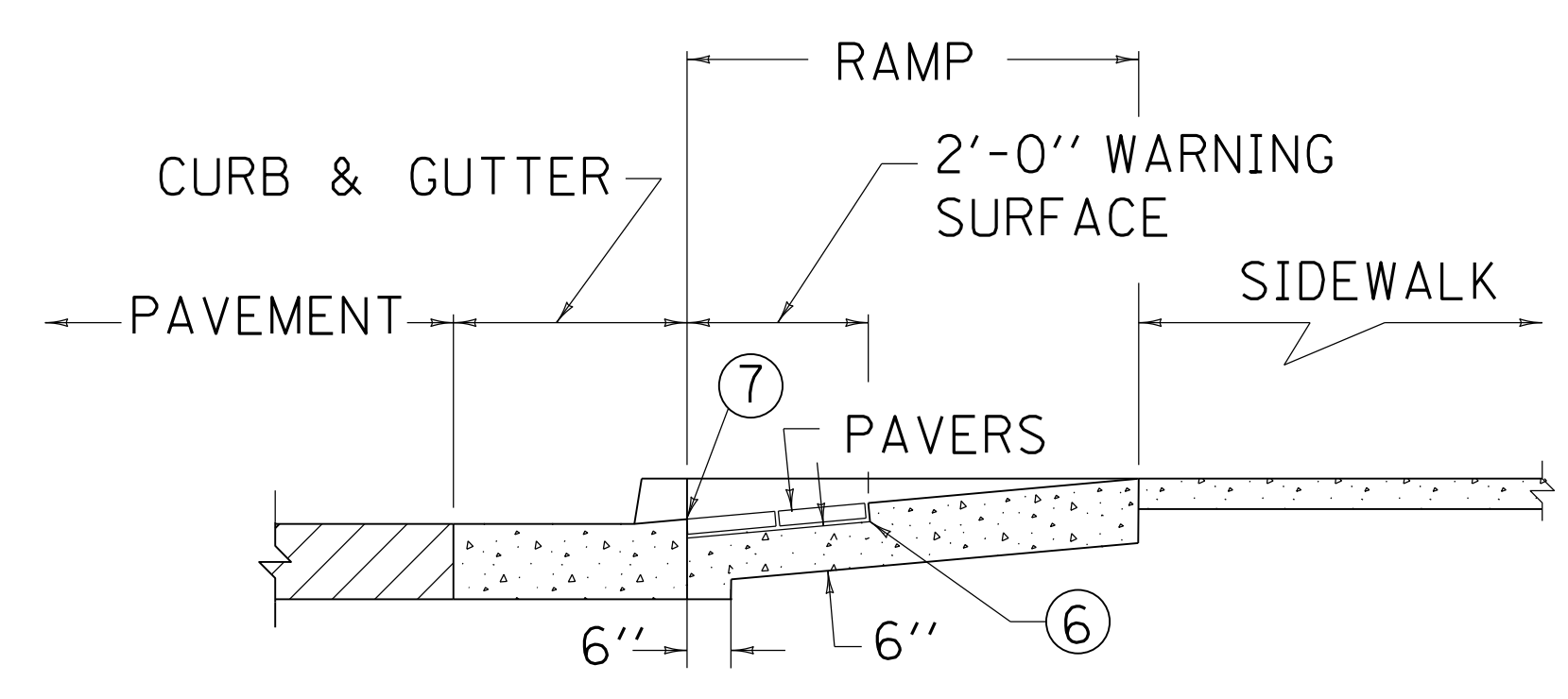


TRIANGULAR PATTERN

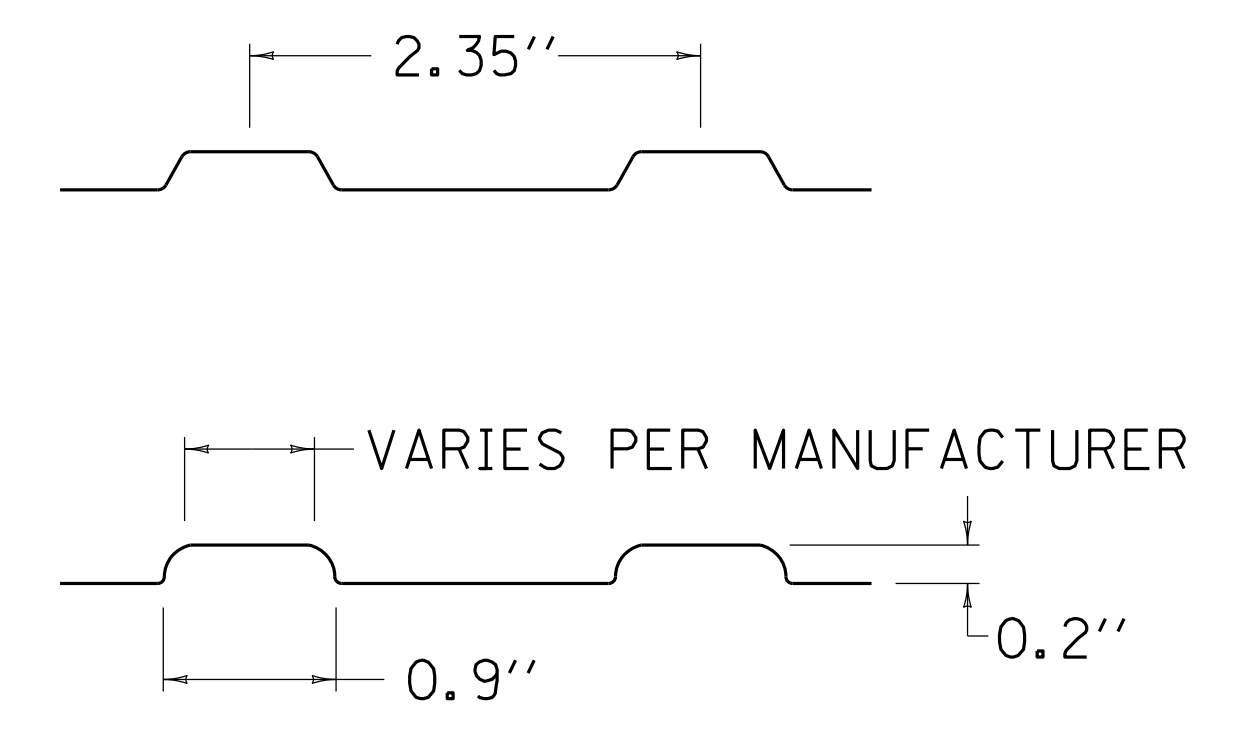


SQUARE PATTERN
NOTES

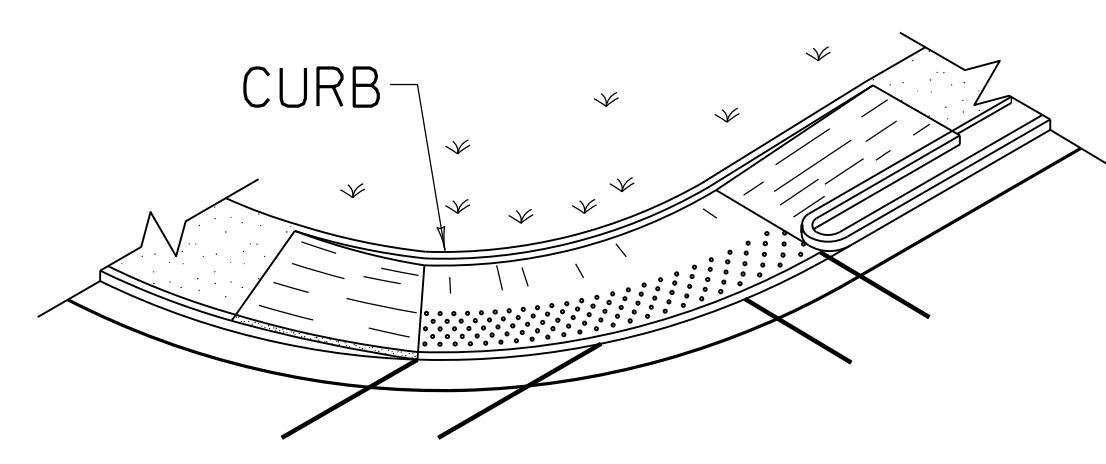
- BID ITEM AND UNIT TO BID.
DETECTABLE WARNINGS - SQ. FT.
1. LANDINGS WILL PROVIDE A LEVEL AREA (LESS THAN 2% GRADE OR CROSS SLOPE) AT APPROXIMATE STREET ELEVATION. A 4 FOOT SQUARE LEVEL LANDING IS THE REQUIRED MINIMUM.
 2. ALL SIDEWALK RAMPS REQUIRE DETECTABLE WARNINGS.
 3. COMMERCIAL DRIVEWAYS WITH TRAFFIC CONTROL DEVICES REQUIRE ADA SIDEWALK TREATMENTS WITH DETECTABLE WARNINGS.
 4. PAVERS SHALL BE CONCRETE WITH A MINIMUM THICKNESS OF 2".
 5. PAVERS SHALL BE A COLOR HOMOGENOUS THROUGHOUT THE PAVER, THAT COLOR SHALL CONTRAST VISUALLY WITH THE ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE DEPARTMENT WILL ALLOW EITHER YELLOW OR RED AS COLORS.
- ⑥ PAVERS TO BE SET IN MORTAR.
⑦ DETECTABLE WARNING SURFACE BEGINS AT BACK OF CURB.



TYPICAL DETECTABLE
WARNING INSTALLATION



DETECTABLE WARNINGS PROFILE




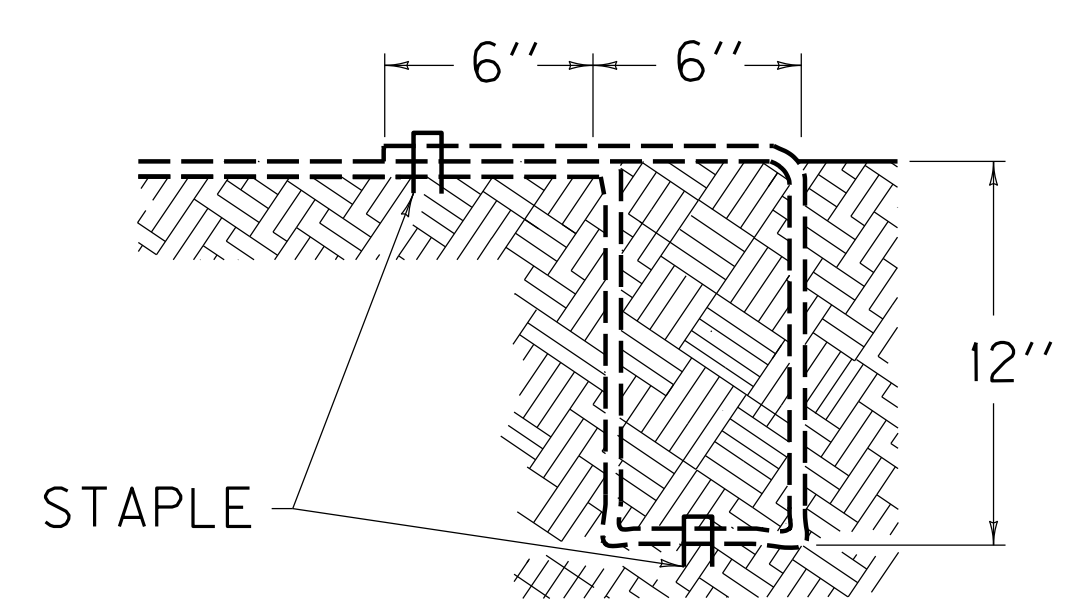
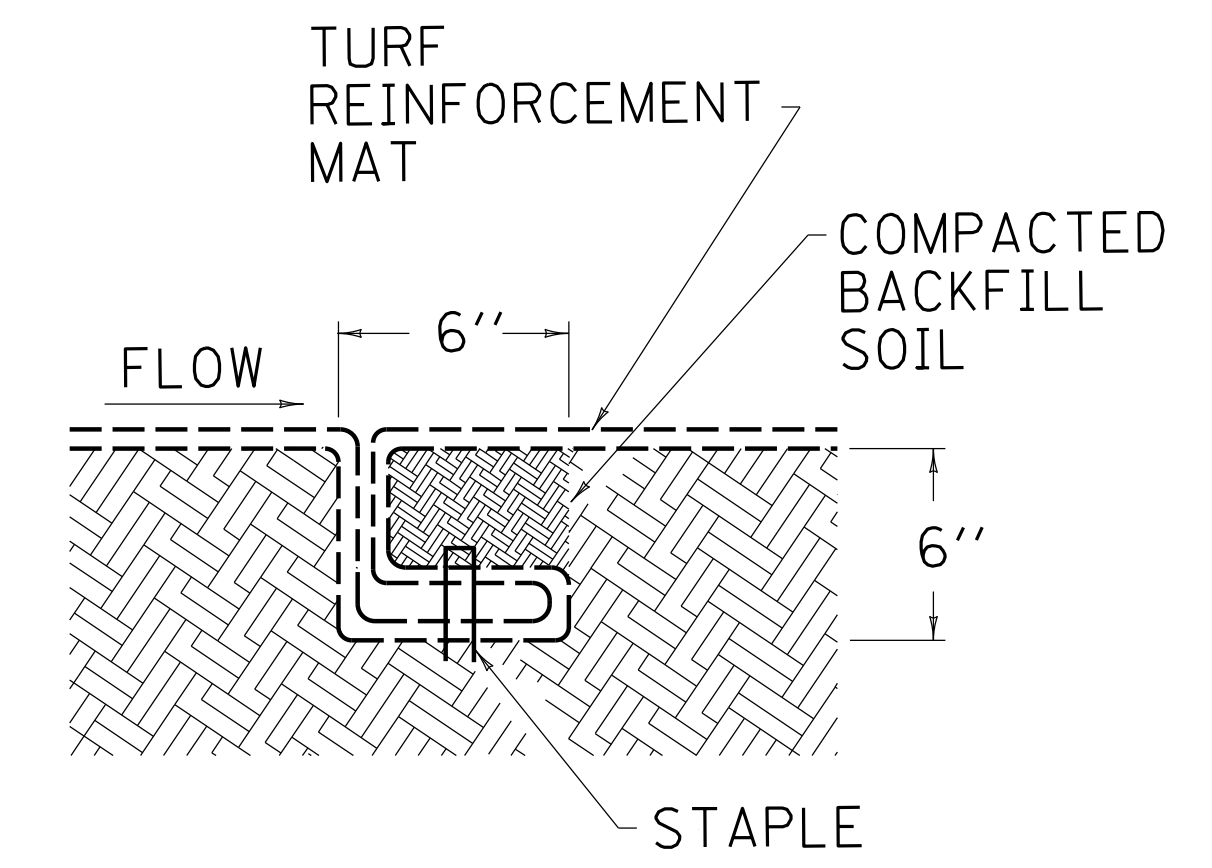
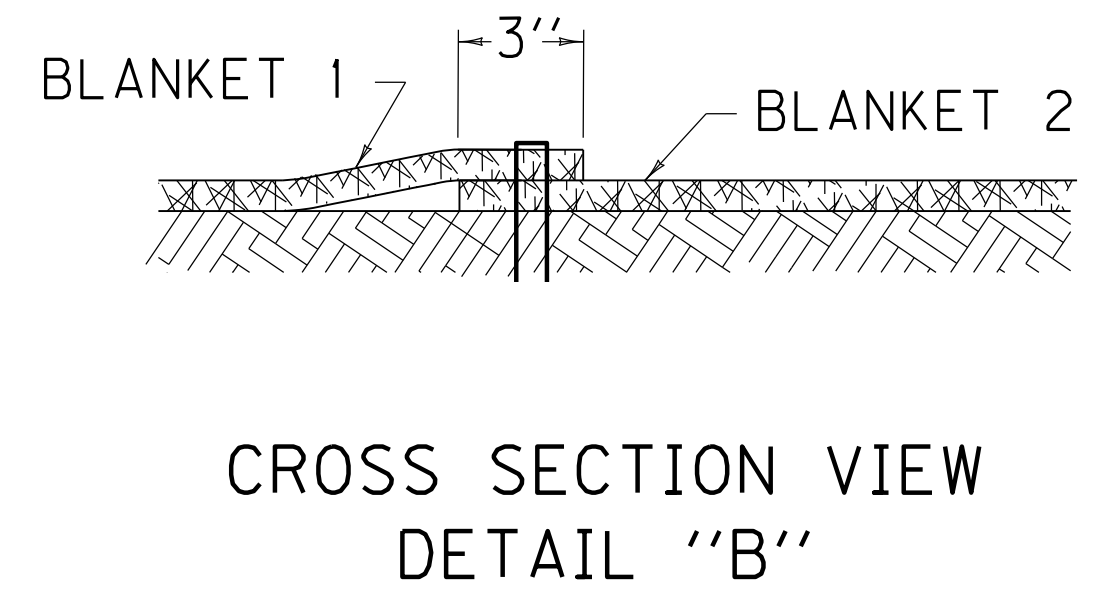
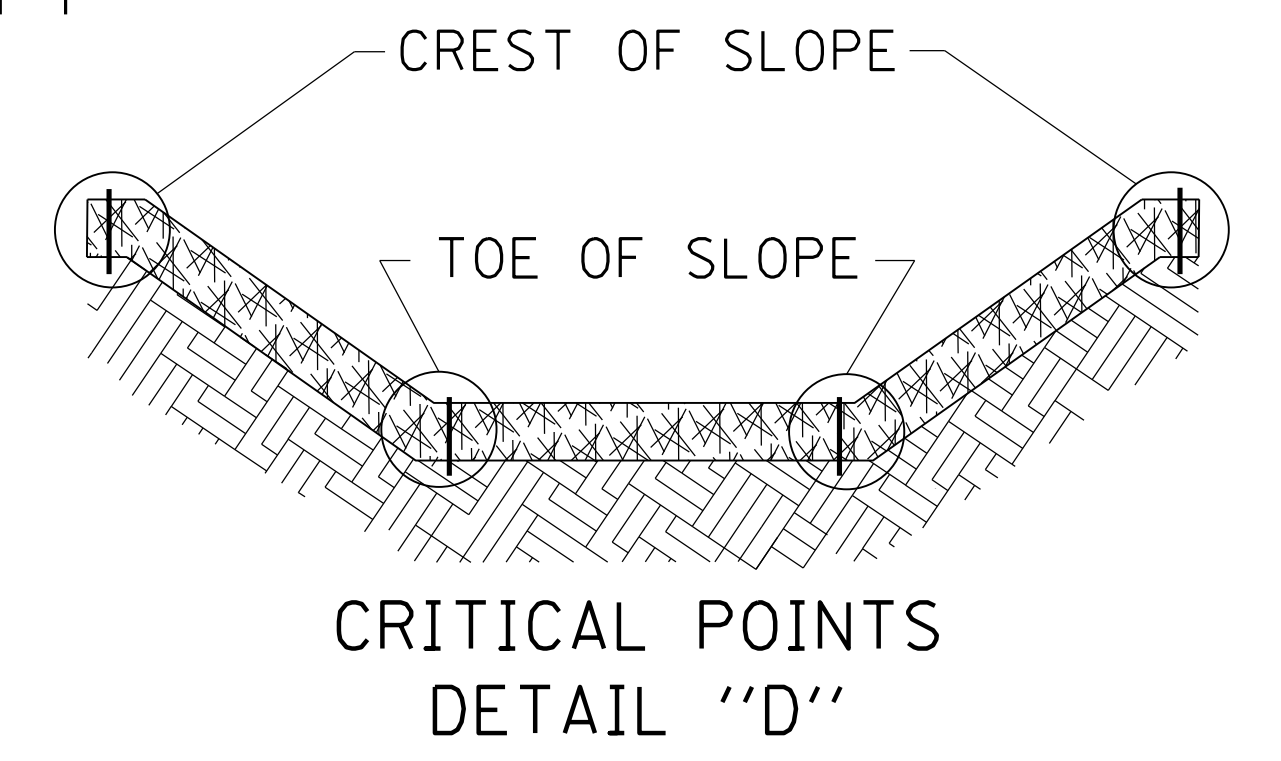
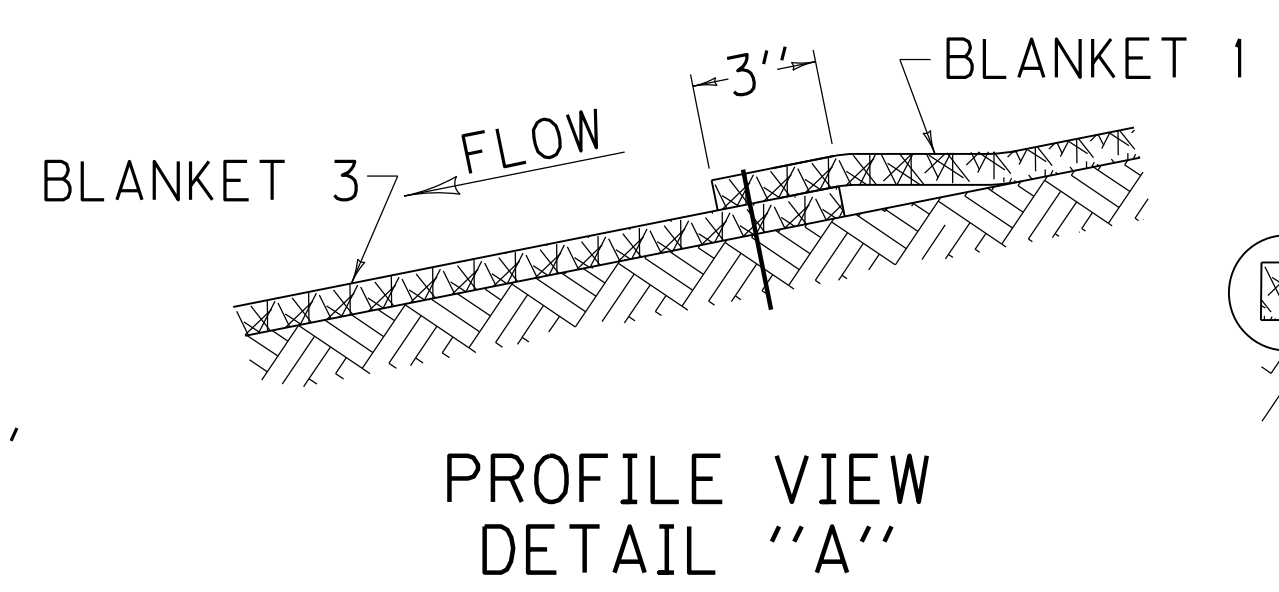
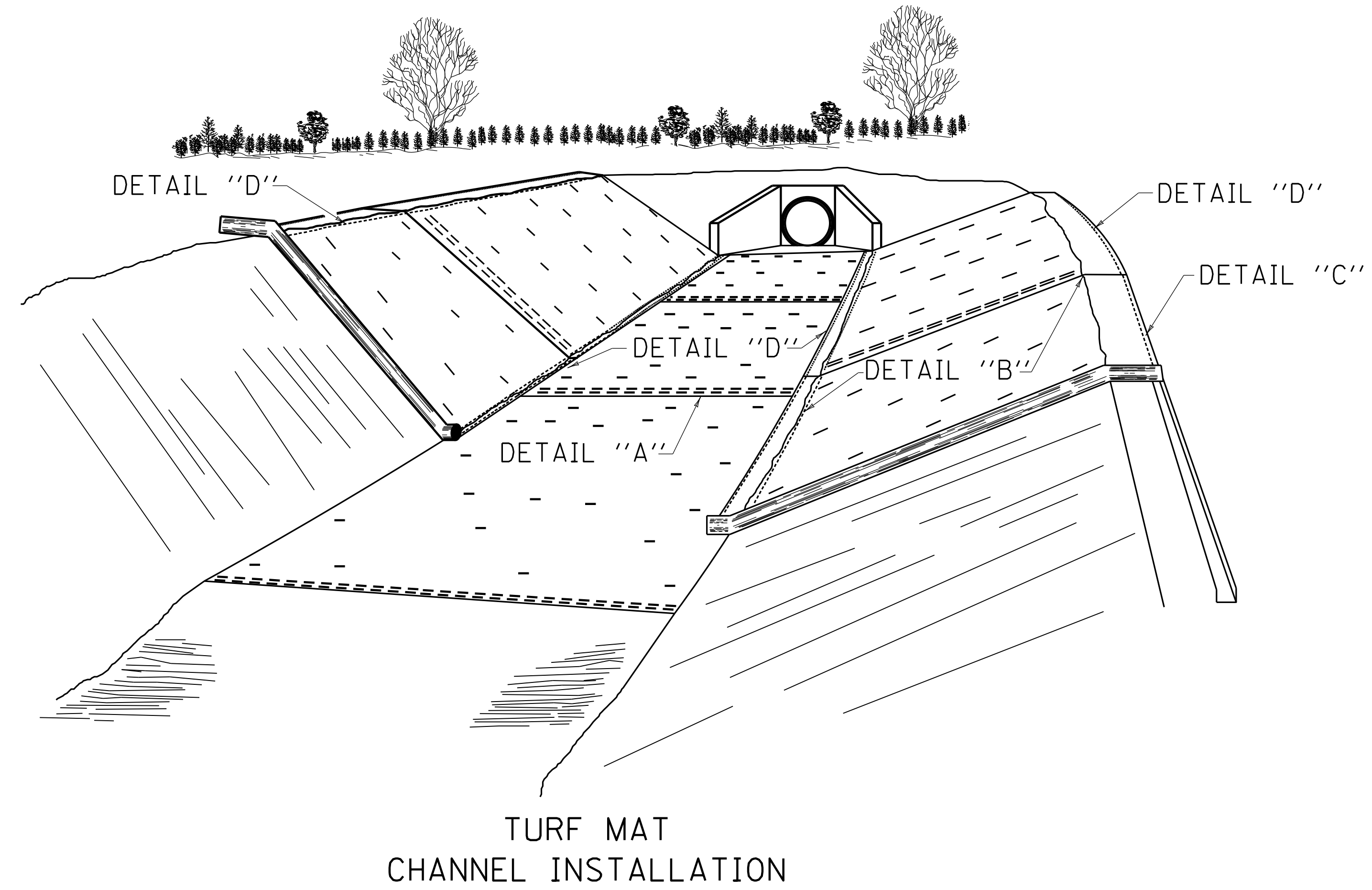
TYPICAL PLACEMENT
PARALLEL CURB RAMPS

USE WITH CUR. STD. DWGS.
RPM-160 AND RPM-170

KENTUCKY
DEPARTMENT OF HIGHWAYS

DETECTABLE
WARNINGS

APPROVED  03-13-09
TECH. DIVISION OF HIGHWAY DESIGN DATE



NOTES

1. CONSTRUCT A 6" X 12" ANCHOR TRENCH AT THE BEGINNING OF THE CHANNEL. LINE THE ANCHOR TRENCH WITH TURF REINFORCING MAT LEAVING 18" EXTENDING PAST THE ANCHOR TRENCH. FASTEN THE MAT MATERIAL INTO THE ANCHOR TRENCH ON 12" CENTERS BACKFILL THE TRENCH WITH TOPSOIL AND COMPACT. COVER THE AREA WITH THE REMAINING 12" OF THE MAT'S TERMINAL END LEAVING 6" TO OVERLAP THE TURF REINFORCING MAT. SECURE THE 6" OVERLAP WITH STAPLES ON 12" CENTERS.
2. UNROLL THE MAT PARALLEL TO THE PRIMARY DIRECTION OF WATER FLOW AND PLACE IN DIRECT CONTACT WITH THE SOIL SURFACE. DO NOT STRETCH OR ALLOW THE MATERIAL TO BRIDGE OVER SURFACE INCONSISTENCIES.
- ③ EXCAVATE 6" X 6" CHECK SLOTS EVERY 25' ALONG THE LENGTH OF THE CHANNEL. LINE THE SIDE AND BOTTOM OF THE SLOT WITH THE MAT AND THEN PULL BACK OVER. FASTEN WITH STAPLES ON 12" CENTERS. FILL THE CHECK SLOT WITH TOPSOIL, COMPACT, AND CONTINUE UNROLLING MAT DOWN THE CHANNEL.
4. CONTINUE UNROLLING THE MAT DOWNSTREAM OVER THE COMPACTED SLOT TO NEXT CHECK SLOT OR TERMINAL ANCHOR TRENCH. IF MORE THAN ONE SECTION OF MAT IS USED OVERLAP UPSTREAM MATS OVER TOP OF THE DOWNSTREAM MAT 3" AND SECURE STAPLES ON 12" CENTERS.
5. SECURE MATS WHILE UNROLLING ON SIDESLOPES AND CHANNEL BOTTOMS WITH STAPLES AT A FREQUENCY THE TABLE INDICATES. USE STAPLES HAVING SUFFICIENT GROUND PENETRATION TO RESIST PULLOUT. INCREASE ANCHORING FREQUENCY AS DIRECTED BY THE ENGINEER AND MANUFACTURER'S REPRESENTATIVE.
6. APPLY SEEDING AND PROTECTION ACCORDING TO SECTION 212.03.03 USING SEED MIX TYPE I. DIRECTLY AFTER APPLYING SEEDING AND TREATMENTS IN 212.03.03, BUT BEFORE APPLYING MULCHING OR HYDROMULCHING: INFILL THE VOID SPACES IN THE MAT WITH 1/2" OF TOPSOIL. TOPSOIL IS THE SOIL PROFILE DEFINED TECHNICALLY AS "A" HORIZON BY THE SOIL SCIENCE SOCIETY OF AMERICA. USE LOOSE, FRIABLE TOPSOIL THAT IS FREE OF STONES 1" OR GREATER IN OVERALL DIMENSIONS, ADMIXTURE OF SUBSOIL, REFUSE, STUMPS, ROOTS, BRUSH, WEEDS AND OTHER MATERIALS THAT PREVENT THE FORMATION OF A SUITABLE SEED BED. DO NOT USE TOPSOIL FROM SITES HAVING JOHNSON GRASS, CANADA THISTLE, QUACK GRASS, NODDING THISTLE OR EXCESSIVE AMOUNTS OF WEEDS OR THEIR RHIZOMES.

SLOPE GRADE	ANCHORING FREQUENCY
UP TO 2H:1V	1.5 ANCHORS/SQUARE YARD
2H:1V TO 1H:1V	2.0 ANCHORS/SQUARE YARD
STEEPER THAN 1H:1V AND CHANNEL BOTTOMS	3.0 ANCHORS/SQUARE YARD

**KENTUCKY
DEPARTMENT OF HIGHWAYS**

**TURF MAT
CHANNEL
INSTALLATION**

SUBMITTED: *Jeff Jasper* 05-20-09
TECHNICAL DIVISION OF HIGHWAY DESIGN DATE

022

TRAFFIC MANAGEMENT PLAN

TRAFFIC MANAGEMENT PLAN NOTES

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R25

1. Traffic shall be maintained in accordance with the current editions of the Manual on Uniform Traffic Control Devices, the Standard Specifications for Road and Bridge Construction and the Standard Drawings.
2. The Contractor shall maintain a two-lane traveled way with a minimum lane width of 11 feet. However, during working hours one-way traffic may be allowed at the discretion of the Engineer, provided adequate signing and flagpersons are at the location.
3. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid for at the lump sum bid price to "Maintain and Control Traffic" as set forth in the current Standard Specifications for Road and Bridge Construction unless otherwise provided for in these notes. The lump sum bid to "Maintain and Control Traffic" shall also include, but is not limited to, the following items and operations:
 - a. All grading and necessary drainage (unless a bid item for diversion construction is included) for the temporary roadway and removal thereof when it is no longer needed. If a bid item for diversions is included, grading and drainage will be paid for in the bid item "Diversions".
 - b. All labor and materials necessary for construction and maintenance of traffic control devices and markings.
 - c. All flagpersons and traffic control devices such as, but not limited to, flashers, signs, barricades, vertical panels, plastic barrels (steel barrels will not be permitted) and cones necessary for the control and protection of vehicular and pedestrian traffic as specified in these notes, the plans, the Manual on Uniform Traffic Control Devices, or by the Engineer.
4. Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the Contractor, unless otherwise addressed, when no longer needed.
5. The Contractor shall completely cover any signs, either existing, permanent or temporary which do not properly apply to the current traffic phasing, and shall maintain the covering until the signs are applicable or are removed.
6. In general, all traffic control devices shall be placed starting and proceeding in the direction of the flow of traffic and removed starting and proceeding in the direction opposite to the flow of traffic.
7. The Engineer and the Contractor, or their authorized representatives, shall review the signing before traffic is allowed to use any lane closures, crossovers, or diversions. All signing shall be approved by the Engineer before work can be started by the Contractor.
8. If the Contractor desires to deviate from the traffic control scheme and construction schedule outlined in these plans and this proposal, he shall prepare an alternate plan and present it in writing to the Engineer. This alternate plan can be used only after review and approval of the Divisions of Traffic, Design and Construction, and the Federal Highway Administration where applicable.
9. If traffic should be stopped due to construction operations and an emergency vehicle on an official emergency run arrives on the scene, the Contractor shall make provisions for the passage of that vehicle as quickly as possible.
10. Any roadways that are anticipated to be in use for a period of seven consecutive days or more for the maintenance of traffic shall be paved with bituminous surfacing materials as directed by the Engineer. The contractor will be assessed damages of \$1000/day for the time after 7 days that the roadway is not paved unless approved by the engineer. Payment shall be in accordance with the appropriate bid items for the type of bituminous material selected. Removal of such for continuing grade and drain work or any other permanent work item that may be in conflict with the temporary bituminous surfacing shall be incidental.
11. During construction, if the Contractor moves equipment, material, etc. back and forth across public roadways that remain open, special provisions may be required by the Engineer. This may include but is not limited to, plating of existing pavements, flaggers, special signing, or lighting to emphasize the construction equipment crossing the roadway.
12. All signs necessary for a marked detour will be provided by the contractor as required by standard drawings and the MUTCD. Signs outside the project limits shall be paid for by the square foot. This quantity shall include sign mounting hardware and posts.

13. Difference in Elevation for Travel Lanes
A pavement edge that traffic is expected to cross in a lane change situation should not have an elevation difference greater than 1-1/2 inches. This may be increased to 2 inches for low speed situations. Warning signs should be placed in advance of and throughout the drop-off area.
14. Pavement Drop-Off
Pavement edges that traffic is not expected to cross, except accidentally, should be treated as follows:
 - Less than 2 inches - No protection required. Warning signs should be placed in advance and throughout the drop-off area.
 - 2 to 4 inches - Place plastic barrels, vertical panels or barricades every 100 feet on tangent sections for speeds of 50 miles per hour or greater. Cones may be used in place of plastic barrels, panels, and barricades during daylight hours. For tangent sections with speeds less than 50 miles per hour and curves, devices should be in accordance with the Manual on Uniform Traffic Control Devices.
 - Greater than 4 inches - Positive separation or wedge with 3:1 or flatter slope needed. If there is 5 feet or more distance between the edge of pavement and drop-off, barrels, panels, or barricades may be used. If the drop-off is greater than 12 inches, positive separation is strongly encouraged. If concrete barricades are used, reflective devices or steady burn lights should be used for overnight installation.

For temporary conditions, drop-offs greater than 4 inches may be protected with plastic barrels, vertical panels or barricades for short distances during daylight hours while work is being done in the drop-off area.




Lesser treatments than those described above may be considered for low-volume local streets.

Payment will be allowed for the C.S.B. used for wedging.
15. Removal of Pavement Markings
The Contractor shall remove all pavement markings that do not conform to the traffic operation in use. In areas where the marking will conform to the final marking scheme or for other reasons will not be removed, markings shall be of a permanent type pavement marking material. All temporary markings which must be subsequently removed from the ultimate pavement shall be an approved temporary striping paint. Temporary striping paint shall be measured in linear feet for payment.
Markings on existing or temporary pavement may be removed by either an abrasion or burning process to the satisfaction of the Engineer. Painting of existing markings with bituminous or other materials to obliterate the markings shall not be allowed.
16. Contractor's Vehicles
The Contractor's vehicles shall always move with and not against the flow of traffic. Vehicles shall enter and leave work areas in a manner which will not be hazardous to or interfere with normal traffic. Vehicles shall not park or stop except within work areas designated by the Engineer.
17. Variable Message Signs
Variable Message Signs shall be placed at locations approved by the engineer. Upon project completion, the variable message signs shall remain property of the Contractor.
18. Local access shall be maintained during all construction phases.
19. Phase IV
In the final phase, all lane closures and diversions will be removed and the facility will be reopened to traffic. Final surfacing operations will be completed for the entire project. This work will be done under traffic.

FOR MAINTENANCE OF
TRAFFIC ONLY

FOR MAINTENANCE OF
TRAFFIC ONLY

LEGEND

-  TRAFFIC FLOW
-  PAVEMENT CONSTRUCTION
-  OTHER CONSTRUCTION

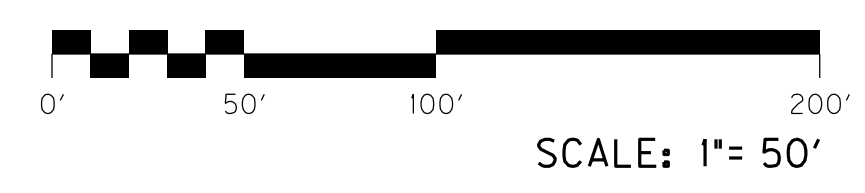
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 T = 225.05'
 L = 430.62'
 R = 600.00'
 E = 40.82'
 e = 5.18%
 Runoff = Spcl. Trans.
 Runout = See X-Sects.

P.I. STATION 64+43.03
 DELTA = 38°36'35.37" Rt.
 T = 225.24'
 L = 433.30'
 R = 643.00'
 E = 38.31'
 e = 5.04%
 Back Runoff = 97.72'
 Ahd. Runoff = 38.80'
 Runoff = Spcl. Trans.
 Runout = See X-Sects.

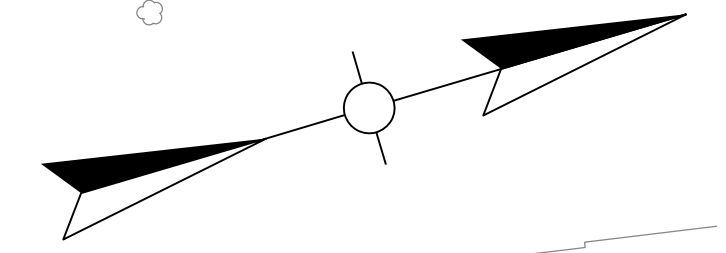
PHASE I

Maintain traffic on existing Billtown Road, Vintage Creek Drive and Colonnades Drive. Maintain local access at all times.

Rt. Sta. 54+00 - Rt. Sta. 69+40, construct grade and drain work and pavement widening structure to the extent possible. Construct cross draining at Sta. 55+14 along with ditch and entrance construction along Shady Acres Lane.






CONSTRUCTION PHASING
 STA. 54+00 TO STA. 70+00



FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\COLONNADES\0805C001.DGN
 USER: doug
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

FOR MAINTENANCE OF
TRAFFIC ONLY

LEGEND

-  TRAFFIC FLOW
-  PAVEMENT CONSTRUCTION
-  OTHER CONSTRUCTION

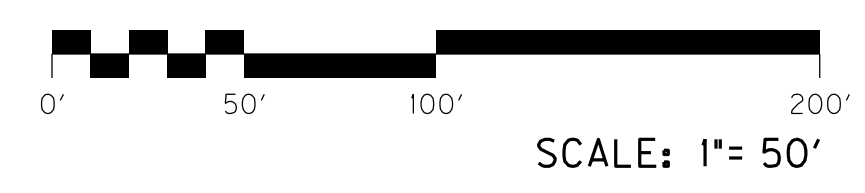
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 Ahd. Runout = 38.80'
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 Runout = See X-Sects.

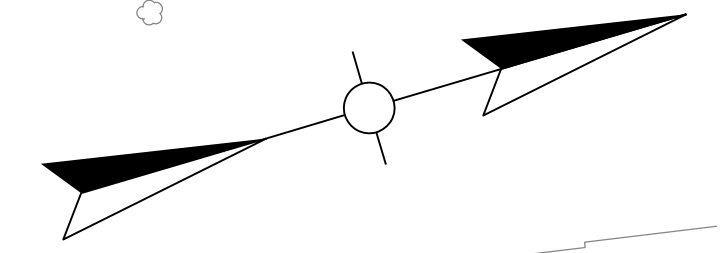
PHASE II

Maintain traffic on existing Vintage Creek Drive, Colonnades Drive and existing and widened Billtown Road,. Maintain local access at all times.

Lt. Sta. 54+00 - Rt. Sta. 69+40 and Colonnades Drive Rt. Sta. 47+50 - Rt. Sta. 49+80 +/-, construct grade and drain work and pavement widening structure to the extent possible.






CONSTRUCTION PHASING
 STA. 54+00 TO STA. 70+00



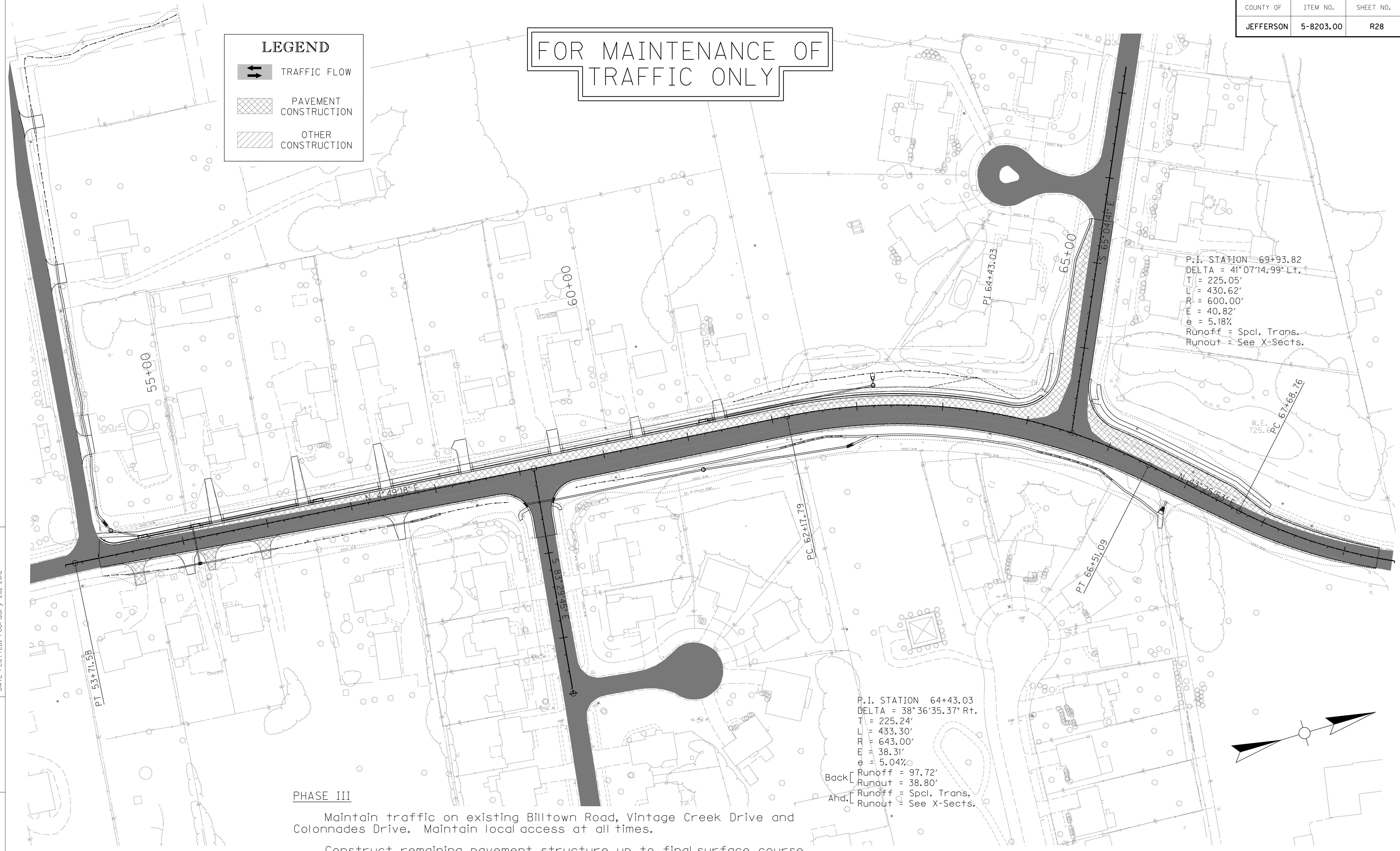
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 USER: doug
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

FOR MAINTENANCE OF
TRAFFIC ONLY

LEGEND

-  TRAFFIC FLOW
-  PAVEMENT CONSTRUCTION
-  OTHER CONSTRUCTION

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\COLONNADES\0805CMT3.DGN
 USER: doug
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180

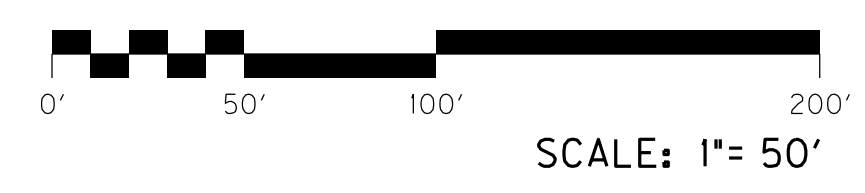


P.I. STATION = 69+93.82
 DELTA = 41°07'14.99" Lt.
 T = 225.05'
 L = 430.62'
 R = 600.00'
 E = 40.82'
 e = 5.18%
 Runoff = Spcl. Trans.
 Runout = See X-Sects.

P.I. STATION 64+43.03
 DELTA = 38°36'35.37" Rt.
 T = 225.24'
 L = 433.30'
 R = 643.00'
 E = 38.31'
 e = 5.04%
 Back Runoff = 97.72'
 Ahd. Runoff = 38.80'
 Runoff = Spcl. Trans.
 Runout = See X-Sects.

PHASE III

Maintain traffic on existing Billtown Road, Vintage Creek Drive and Colonnades Drive. Maintain local access at all times.
 Construct remaining pavement structure up to final surface course.



CONSTRUCTION PHASING
 STA. 54+00 TO STA. 70+00

EROSION CONTROL NOTES

ALL SILT CONTROL DEVICES SHALL BE SIZED TO RETAIN A VOLUME OF 3,600 CUBIC FEET PER DISTURBED CONTRIBUTING ACRE.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED GROUND DURING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL COMPUTE THE VOLUME NECESSARY TO CONTROL SEDIMENT DURING EACH PHASE OF CONSTRUCTION. AS WORK PROCEEDS, SILT TRAPS MAY BE ADDED OR REMOVED IN ORDER TO ACHIEVE THE BEST MANAGEMENT PLAN. THE REQUIRED VOLUME AT EACH ADDED SILT TRAP SHALL BE COMPUTED AS UP GRADIENT CONTRIBUTING AREAS ARE DISTURBED OR ARE STABILIZED TO THE SATISFACTION OF THE ENGINEER. THE REQUIRED VOLUME CALCULATION FOR EACH SILT TRAP SHALL BE DETERMINED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER. THE REQUIRED VOLUME AT EACH SILT TRAP MAY BE REDUCED BY THE FOLLOWING AMOUNTS:

- UP GRADIENT AREAS NOT DISTURBED (ACRES).
- UP GRADIENT AREAS THAT HAVE BEEN RECLAIMED AND PROTECTED BY EROSION CONTROL BLANKET OR OTHER GROUND PROTECTION MATERIAL SUCH AS TEMPORARY MULCH.(ACRES).
- THE USE OF TEMPORARY MULCH IS ENCOURAGED.
- UP GRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT FENCE (ACRES). AREAS PROTECTED BY SILT FENCE SHALL BE COMPUTED AT A MAXIMUM RATE OF 100 SQUARE FOOT PER LINEAR FOOT OF SILT FENCE.
- UP GRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT TRAPS (ACRES).

THE EROSION CONTROL PLAN SHALL BE ANNOTATED AS THE WORK PROCEEDS BY THE CONTRACTOR TO DETAIL THE SELECTION OF EACH EROSION CONTROL DEVICE USED AND THE VOLUME PROVIDED BY EACH SILT TRAP IN ACCORDANCE WITH THE DOCUMENTATION PROCEDURES ESTABLISHED BY THE DIVISION OF CONSTRUCTION.

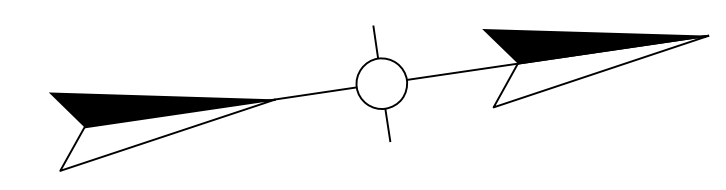
IF A SILT BASIN IS NOT USED THEN ONE SILT TRAP TYPE A, ALTERNATE NUMBER 2 OR SILT TRAP TYPE B SHALL ALWAYS BE PLACED AT THE MOST REMOTE DOWNSTREAM COLLECTION POINT PRIOR TO DISCHARGING INTO A BLUE LINE STREAM OR ONTO AN ADJACENT PROPERTY OWNER. WHERE OVERLAND FLOW EXIST, A SILT FENCE OR OTHER FILTER DEVICES MAY BE USED OR THE OVERLAND FLOW MAY BE DIVERTED TO ONE OF THE AFOREMENTED SILT BASIN OR TRAPS.

THE EROSION CONTROL PLANS DO NOT CONSTITUTE A BMP BY THEMSELVES. THEY PROVIDE A STARTING POINT FOR THE CONTRACTOR AND RESIDENT ENGINEER TO DEVELOP THE BMP ACCORDING TO SECTION 213.03.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SUPPLEMENTAL SPECS EFFECTIVE WITH THE OCTOBER, 2004 LETTING.

EROSION CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONING PRIOR TO ANY EXCAVATION OR DISTURBANCE WITHIN A DRAINAGE AREA.

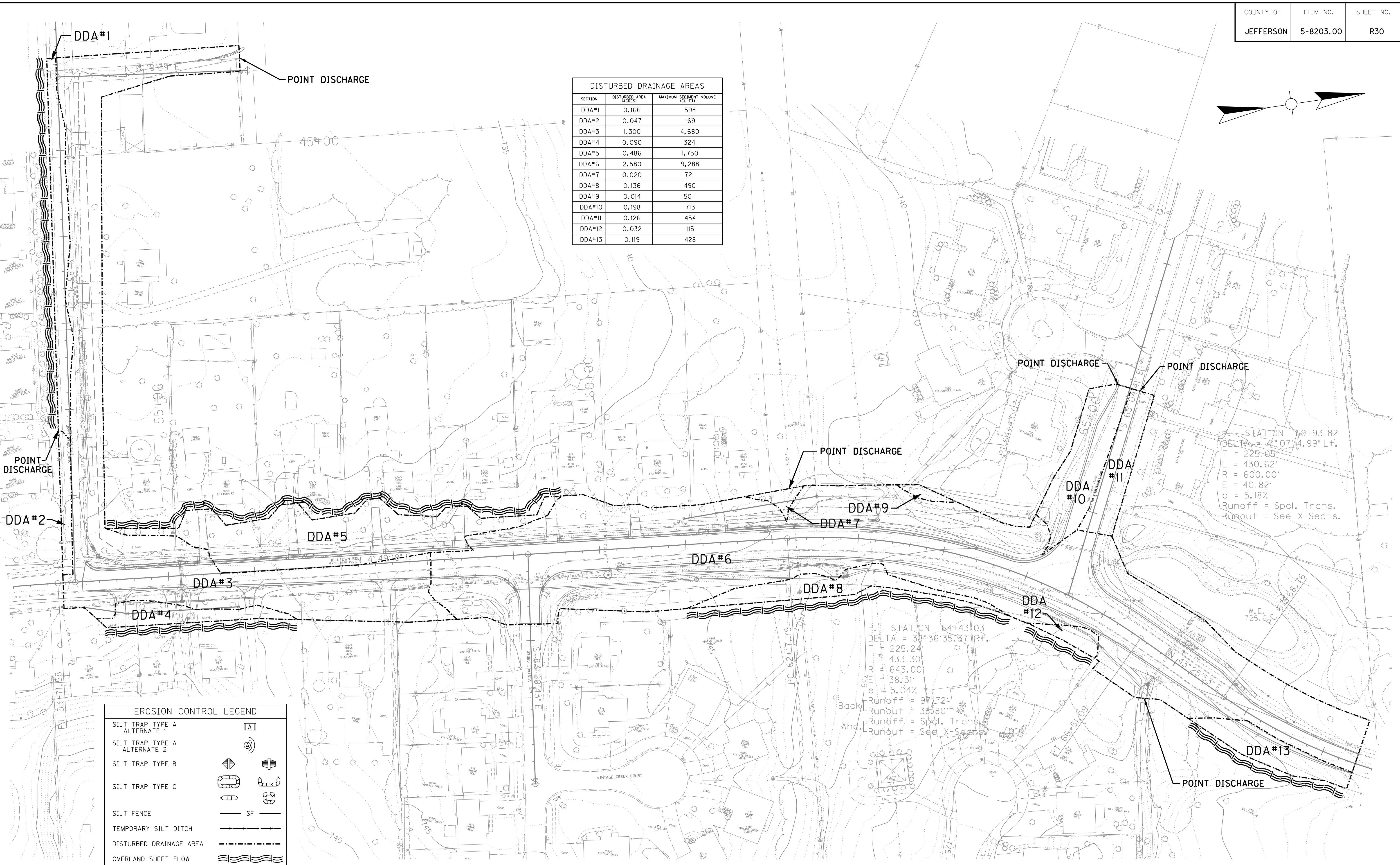
THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) SILT TRAPS AND SILT FENCES WHENEVER THEY BECOME ONE- HALF FULL AND PROPERLY DISPOSE OF THE MATERIAL AT SITES APPROVED BY THE RESIDENT ENGINEER.

EROSION CONTROL MEASURES EMPLOYED BY THE CONTRACTOR WILL BE UNIQUE TO THE PROJECT AND WORK CONDITIONS AND SHALL BE APPROVED BY THE RESIDENT ENGINEER. THE DEVELOPMENT AND UTILIZATION OF THESE MEASURES WILL BE RECORDED AS PART OF THE BMP, KEPT ON SITE, AND AVAILABLE FOR PUBLIC INSPECTION.



DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA#1	0.166	598
DDA#2	0.047	169
DDA#3	1.300	4,680
DDA#4	0.090	324
DDA#5	0.486	1,750
DDA#6	2.580	9,288
DDA#7	0.020	72
DDA#8	0.136	490
DDA#9	0.014	50
DDA#10	0.198	713
DDA#11	0.126	454
DDA#12	0.032	115
DDA#13	0.119	428

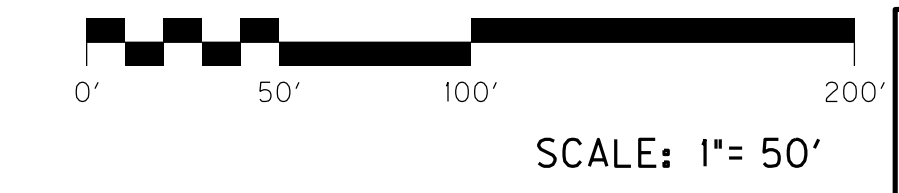
FILE NAME: F:\WORK\JEFFERSON CO\PHASE II.DGN\COLONNADES\0805CECI.DGN
 USER: doud
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180



P.I. STATION 69+93.82
 DELTA = 41°07'4.99" Lt.
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 E = 40.82'
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 R = 643.00'
 E = 38.31'
 e = 5.04%
 Back Runoff = 97.172'
 Runout = 38.80'
 Ahd. Runoff = Spcl. Trans.
 Runout = See X-Sections

EROSION CONTROL LEGEND	
SILT TRAP TYPE A ALTERNATE 1	
SILT TRAP TYPE A ALTERNATE 2	
SILT TRAP TYPE B	
SILT TRAP TYPE C	
SILT FENCE	
TEMPORARY SILT DITCH	
DISTURBED DRAINAGE AREA	
OVERLAND SHEET FLOW	
PROPOSED R/W	
PROPOSED EASEMENT	



COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R31

DITCH
EXC.
Cu. Yds.

pH COVER HEIGHT 18" STORM SEWER PIPE Lin. Ft. 18" SLOPED BOX OUTLET TY. 1 each MANHOLE TY. A each CURB BOX INLET TY. A each

LT. STA. 54+55 TO LT. STA. 55+14
CONST. 56 L.F. OF 18" STORM SEWER PIPE

M 4

56

1

745

745

740

740

735

735

730

14.67' LT. CONST.
C.B.I. TYPE A
(6,6,H=4.7')

4.00% 2.00% 4.00% 0.50% 2.00% 4.00% 4:1

F.L. 736.22

54+55
@ 0' SK.

LT. STA. 54+20 TO LT. STA. 54+55
CONST. 35 L.F. OF 18" STORM SEWER PIPE

M 4

41

1

1

1

745

745

740

740

735

735

730

730

35.5' LT. STA. 54+16.40
CONST. 18" SLOPED
BOX OUTLET TY. 1

28.5' LT. CONST.
M.H. TYPE A
(H=3.67')

T.M.H. 739.72

MH TY. A
F.L. 736.05

CONST. 6 L.F. OF
18" STORM SEWER
CONST. 8.5 L.F. OF 2' F.B.
OUTLET DT. W/ 8 S.Y. TRM TY. 1D=1'
TIE TO APPR. DT. LT. STA. 49+50

54+20

TIE TO APPR DT.
LT. 49+50 ELL. 735.25

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

50

75

STA. 54+55 TO STA. 56+60

FILE NAME: F:\WORK\MORGAN\COMPASE2\DDN\30100XS.DGN

USER: ryan
DATE PLOTTED: May 6, 2011

E-SHEET NAME:

MicroStation v8.11.7.180

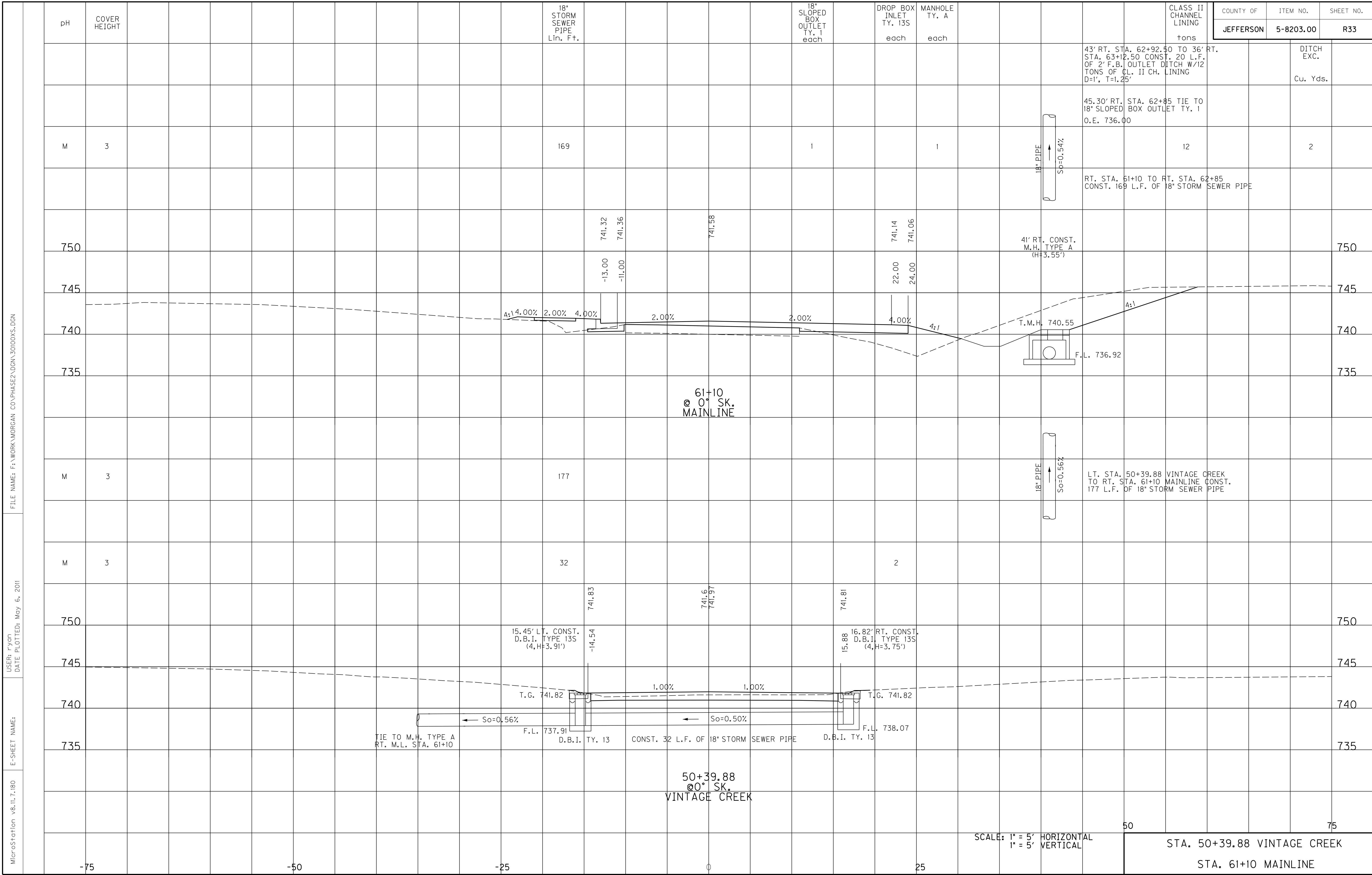
-75

-50

-25

0

25



FILE NAME: F:\WORK\MORGAN_CO\PHASE2\DDN\30100XS.DGN

USER: rypn
DATE PLOTTED: May 6, 2011

E-SHEET NAME:

MicroStation v8.11.7.180

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R33

CLASS II CHANNEL LINING	tons	DITCH EXC.	Cu. Yds.
43' RT. STA. 62+92.50 TO 36' RT. STA. 63+12.50 CONST. 20 L.F. OF 2' F.B. OUTLET DITCH W/12 TONS OF CL. II CH. LINING D=1', T=1.25'			
45.30' RT. STA. 62+85 TIE TO 18" SLOPED BOX OUTLET TY. 1			
RT. STA. 61+10 TO RT. STA. 62+85 CONST. 169 L.F. OF 18" STORM SEWER PIPE			
LT. STA. 50+39.88 VINTAGE CREEK TO RT. STA. 61+10 MAINLINE CONST. 177 L.F. OF 18" STORM SEWER PIPE			

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

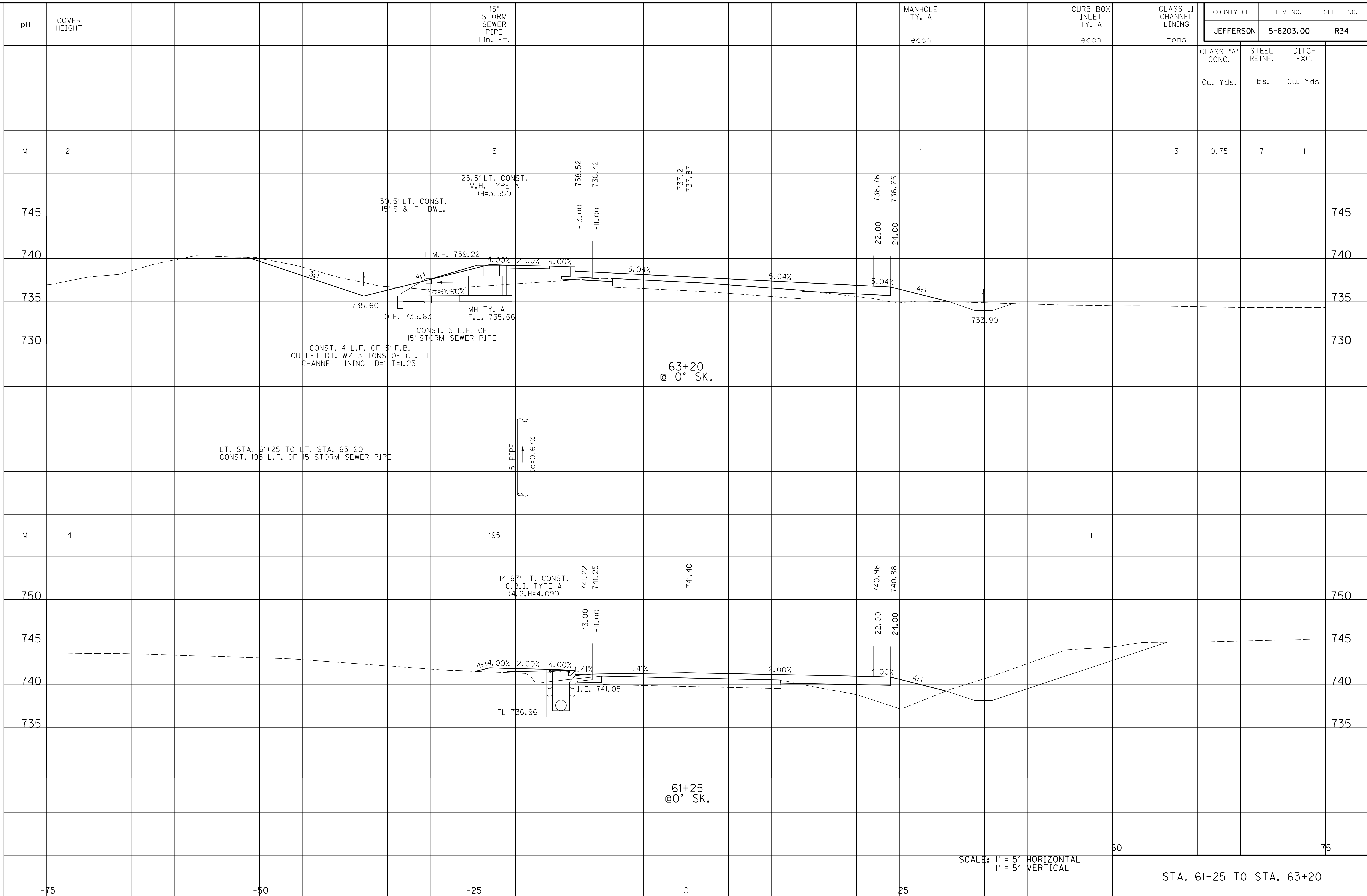
STA. 50+39.88 VINTAGE CREEK
STA. 61+10 MAINLINE

FILE NAME: F:\WORK\MORGAN\CO-PHASE2\DDN\30100XS.DGN

USER: rypm
DATE PLOTTED: May 6, 2011

E-SHEET NAME:

MicroStation v8.11.7.180



COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-8203.00	R34

CLASS "A" CONC.	STEEL REINF.	DITCH EXC.
Cu. Yds.	lbs.	Cu. Yds.

CLASS II CHANNEL LINING	MANHOLE TY. A	CURB BOX INLET TY. A	PH	COVER HEIGHT
tons	each	each		

3	1	1	0.75	7	1
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745	745
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740	740
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735	735
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730	730
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750	750
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745	745
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740	740
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735	735
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750	750
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745	745
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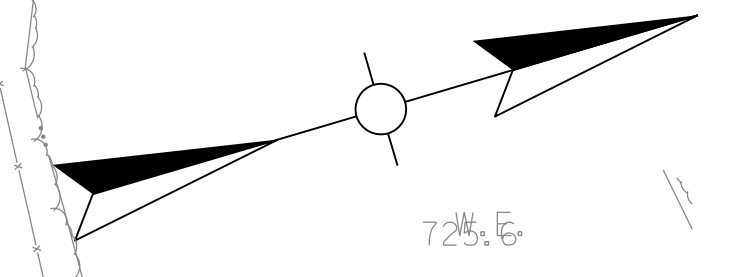
740	740
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735	735
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50	75
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SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

STA. 61+25 TO STA. 63+20

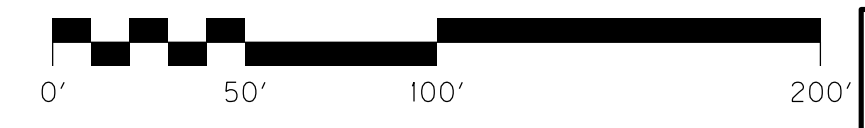


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 Runout = 38.80'
 Ahd. Runoff = Spcl. Trans.
 Runout = See X-Sects.

- ① SINGLE SOLID WHITE STRIPE - PAVE STRIPING PERM PAINT-4in.
- ② DOUBLE SOLID YELLOW STRIPE - PAVE STRIPING PERM PAINT-4in.
- ③ PAVEMENT MARKING - THERMO STOP BAR-24" •
- ④ PAVEMENT MARKING - THERMO CROSSWALK-12" •
- PAVEMENT MARKING - THERMO CURVE ARROW

• - LOCATION OF STOP BARS AND CROSSWALKS SHALL BE APPROVED BY THE ENGINEER IN THE FIELD PRIOR TO INSTALLATION
 NOTE : SEE GENERAL SUMMARY FOR PAVEMENT MARKING QUANTITIES



SCALE: 1"= 50'

PAVEMENT STRIPING PLAN
 STA. 54+00 TO STA. 70+00

FILE NAME: F:\WORK\JEFFERSON CO\PHASE II\DDN\COLONNADES\0805CSTRIPING.DGN
 USER: r.yon
 DATE PLOTTED: February 20, 2012
 E-SHEET NAME:
 MicroStation v8.11.7.180