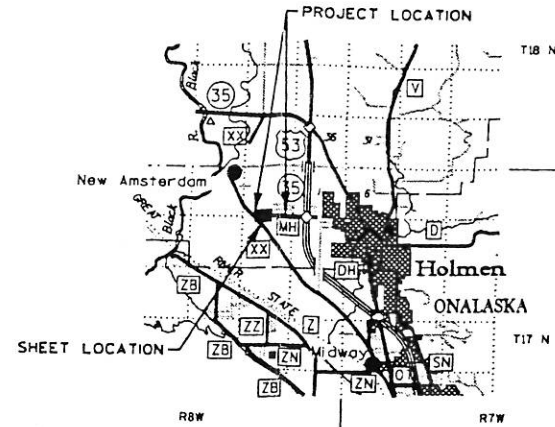


SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NO.	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES OR S.F.	RIGHT-OF-WAY REQUIRED ACRES OR S.F.			TOTAL ACRES REM.	T.J. ACRES OR S.F.
				NEW	EXISTING	TOTAL		
1	DONALD V. & THERESA A. PEDRETTI LIVING TRUST	FEE, T.I.	79 AC	1.81 AC	1.78 AC	3.59 AC	75.41 AC	0.06 AC
2	BABCOCK SWINE, MINNESOTA CORPORATION	FEE	121.57 AC	0.03 AC	-	0.03 AC	121.54 AC	-
3	RONALD K. & LYNN C. SUNNE	FEE	7.22 AC	0.07 AC	-	0.07 AC	7.15 AC	-
4	SCOTT A. & PATRICIA A. MARSHALL	FEE	0.87 AC*	0.15 AC	-	0.15 AC	0.72 AC	-
5	TOWN OF HOLLAND	FEE, T.I.	25.15 AC	0.13 AC	-	0.13 AC	25.02 AC	0.05 AC
6	RICHARD A. & HELEN KNUDSON	FEE	1.00 AC*	0.05 AC	-	0.05 AC	0.95 AC	-
20	CENTURYTEL	RELEASE OF RIGHTS						
21	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS						
22	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS						
23	RIVERLAND ENERGY COOPERATIVE	RELEASE OF RIGHTS						
24	XCEL ENERGY	RELEASE OF RIGHTS						

AREA SHOWN IN THE TOTAL AREAS COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM LA CROSSE COUNTY PLAT BOOK OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. *COMPUTED



TRANSPORTATION PROJECT PLAT 402-4.01

THAT PART OF THE SW 1/4-SW 1/4 AND THE SE 1/4-SW 1/4 OF SECTION 2 AND THE NW 1/4-NW 1/4 AND THE NE 1/4-NW 1/4 OF SECTION 11, ALL IN T17N, R8W, TOWN OF HOLLAND, LA CROSSE COUNTY, WISCONSIN

RELOCATION ORDER CTH MH LA CROSSE COUNTY

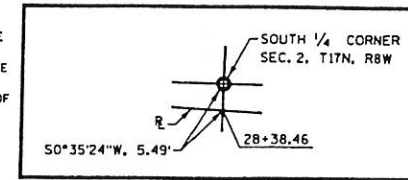
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHT IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3) AND SECTION 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

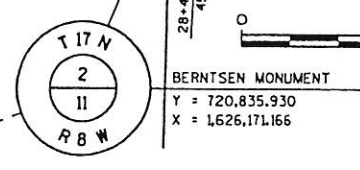
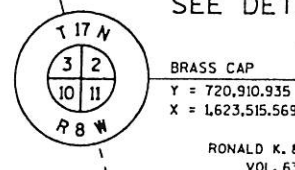
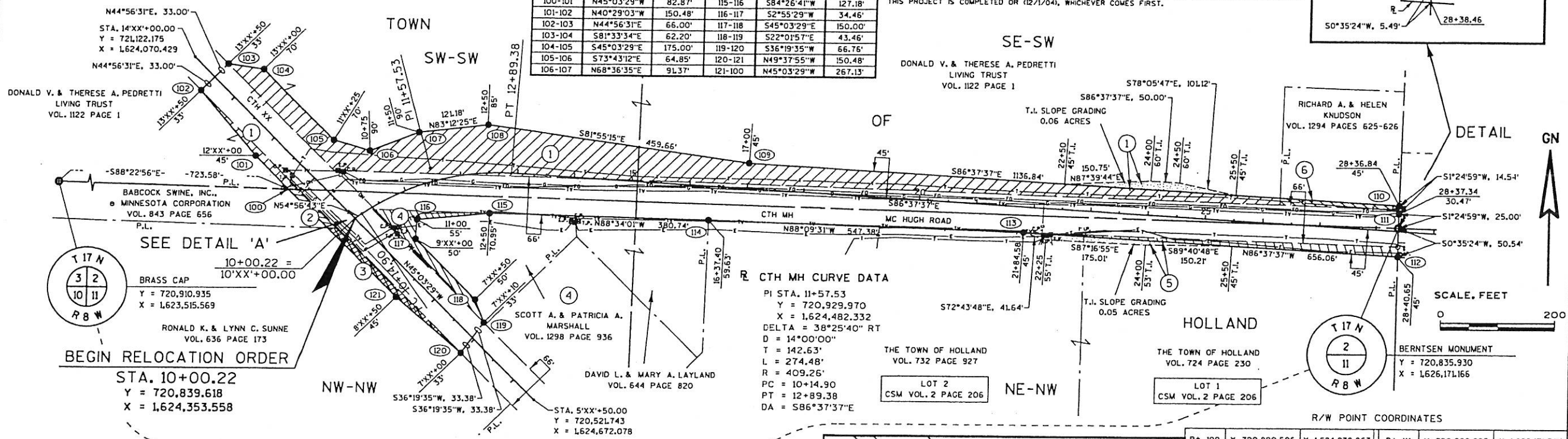
- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SHOWN FOR THE ABOVE NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CLAUSES:

A TEMPORARY INTEREST (T.I.) FOR DRAINAGE, DRIVEWAYS, AND GRADING, INCLUDING FOR SUCH PURPOSE THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE TO PREVENT EROSION OF THE SOIL, THIS EASEMENT IS TO TERMINATE ON THE DATE THE CONSTRUCTION OF THIS PROJECT IS COMPLETED OR (12/1/04), WHICHEVER COMES FIRST.



COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE
100-101	N45°03'29"W	82.87'	115-116	S84°26'41"W	127.18'
101-102	N40°29'03"W	150.48'	116-117	S2°55'29"E	34.46'
102-103	N44°56'31"E	66.00'	117-118	S45°03'29"E	150.00'
103-104	S81°33'34"E	62.20'	118-119	S22°01'57"E	43.46'
104-105	S45°03'29"E	175.00'	119-120	S36°19'35"W	66.76'
105-106	S73°43'12"E	64.85'	120-121	N49°37'55"W	150.48'
106-107	N68°36'35"E	91.37'	121-100	N45°03'29"W	267.13'



CTH MH CURVE DATA
 PI STA. 11+57.53
 Y = 720,929.970
 X = 1,624,482.332
 DELTA = 38°25'40" RT
 D = 14°00'00"
 T = 142.63'
 L = 274.48'
 R = 409.26'
 PC = 10+14.90
 PT = 12+89.38
 DA = S86°37'37"E

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

SECTION LINES QUARTER LINE SIXTEENTH LINE NEW REFERENCE LINE NEW R/W LINE EXISTING R/W LINE PROPERTY LINE LOT, TIE AND OTHER MINOR LINES UNDERGROUND FACILITY (GAS, TELEPHONE, ELECTRIC, ETC.)	SECTION CORNER NOTATION FOR COMBUSTIBLE FLUIDS NOTATION FOR HIGH VOLTAGE TRANS- MISSION LINES	R/W MONUMENT NON-MONUMENT R/W POINT IRON PIN VALVE (GAS, WATER, ETC.) SIGN ENCROACHING SIGN	ACRES TELEVISION PEDESTAL CENTRAL ANGLE ELECTRICAL PEDESTAL GAS VALVE IRON PIPE LENGTH LONG CHORD LONG CHORD BEARING MONUMENT	AC C.P. CL CL E.P. GV I.P. L LC LCB MON	PAGE POWER POLE PROPERTY LINE RADIUS REFERENCE LINE RIGHT OF WAY SECTION STATION TANGENT TELEPHONE PEDESTAL VOLUME	P. PP PL R RL R/W SEC STA T T.P. V.
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NOTES:
 COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCE TO THE WISCONSIN COUNTY COORDINATE SYSTEM, LA CROSSE COUNTY ZONE, NAD83/91 ADJUSTMENT. THE COORDINATES SHOWN ARE GROUND COORDINATES.
 ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2, UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
 RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".
 DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.
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R/W POINT COORDINATES

Pt. 100	Y. 720,890.506	X. 1,624,238.863	Pt. 111	Y. 720,860.923	X. 1,626,171.784
Pt. 101	Y. 720,949.045	X. 1,624,180.206	Pt. 112	Y. 720,785.388	X. 1,626,170.646
Pt. 102	Y. 721,063.497	X. 1,624,082.509	Pt. 113	Y. 720,823.987	X. 1,625,515.718
Pt. 103	Y. 721,110.213	X. 1,624,129.131	Pt. 114	Y. 720,841.576	X. 1,624,968.625
Pt. 104	Y. 721,101.083	X. 1,624,190.659	Pt. 115	Y. 720,851.098	X. 1,624,588.001
Pt. 105	Y. 720,977.465	X. 1,624,314.528	Pt. 116	Y. 720,838.786	X. 1,624,461.418
Pt. 106	Y. 720,959.286	X. 1,624,376.775	Pt. 117	Y. 720,804.370	X. 1,624,459.660
Pt. 107	Y. 720,992.609	X. 1,624,461.847	Pt. 118	Y. 720,698.412	X. 1,624,565.833
Pt. 108	Y. 721,006.943	X. 1,624,582.176	Pt. 119	Y. 720,658.123	X. 1,624,582.137
Pt. 109	Y. 720,942.342	X. 1,625,037.269	Pt. 120	Y. 720,604.343	X. 1,624,542.594
Pt. 110	Y. 720,875.456	X. 1,626,172.143	Pt. 121	Y. 720,701.808	X. 1,624,427.944

I, MICHAEL L. DEEMS, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE COUNTY, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 402-4.01 AND THE SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) *Michael L. Deems* DATE 1-20-04
 MICHAEL L. DEEMS
 MEAD & HUNT
 R.L.S. NUMBER 5-1991

THIS PLAT IS APPROVED FOR THE COUNTY OF LA CROSSE.
 (SIGNATURE) *Dennis Osgood* DATE 1-20-04
 (PRINTED NAME) Dennis Osgood

RESERVED FOR REGISTER OF DEEDS

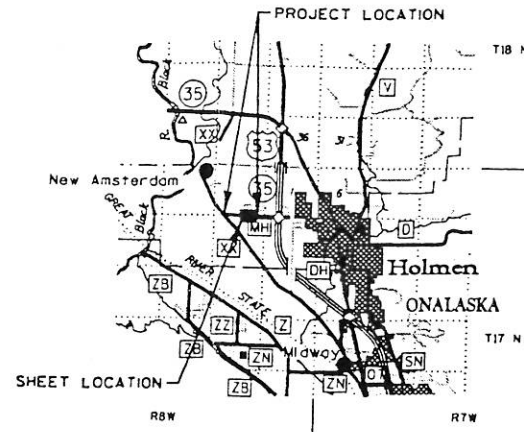
ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT _____ M ON _____ AS DOCUMENT # _____ AND FILED IN _____

SIGNATURE OF REGISTER OF DEEDS

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NO.	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES OR S.F.	RIGHT-OF-WAY REQUIRED ACRES OR S.F.			TOTAL ACRES REM.	T.I. ACRES OR S.F.	P.L.E. ACRES OR S.F.
				NEW	EXISTING	TOTAL			
7	RENEE A. ASPENSON & MATT W. BENTE	FEE, T.L.	22,780 S.F.*	313 S.F.	-	313 S.F.	22,467 S.F.	2,780 S.F.	-
8	GREGORY W. & SHERRY L. FREMSTAD	FEE, T.L.	22,554 S.F.*	313 S.F.	-	313 S.F.	22,241 S.F.	1,877 S.F.	-
9	KEN J. CHALSMA	FEE, T.L.	123.03 AC	144 AC	106 AC	2.50 AC	120.53 AC	0.55 AC	0.08 AC
10	PETER J. & BARBARA J. PUTNAM	T.L.	23,668 S.F.*	-	-	-	23,668 S.F.	2,928 S.F.	-
11	DIRK A. WOLFF	FEE, T.L.	26,758 S.F.*	313 S.F.	-	313 S.F.	26,445 S.F.	1,430 S.F.	-
20	CENTURYTEL	RELEASE OF RIGHTS							
21	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS							
22	DAIRYLAND POWER COOPERATIVE	RELEASE OF RIGHTS							
23	RIVERLAND ENERGY COOPERATIVE	RELEASE OF RIGHTS							
24	XCEL ENERGY	RELEASE OF RIGHTS							

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TRANSPORTATION PROJECT PLAT 402-4.02

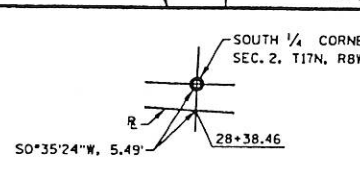
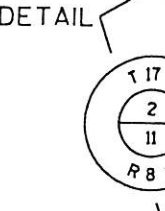
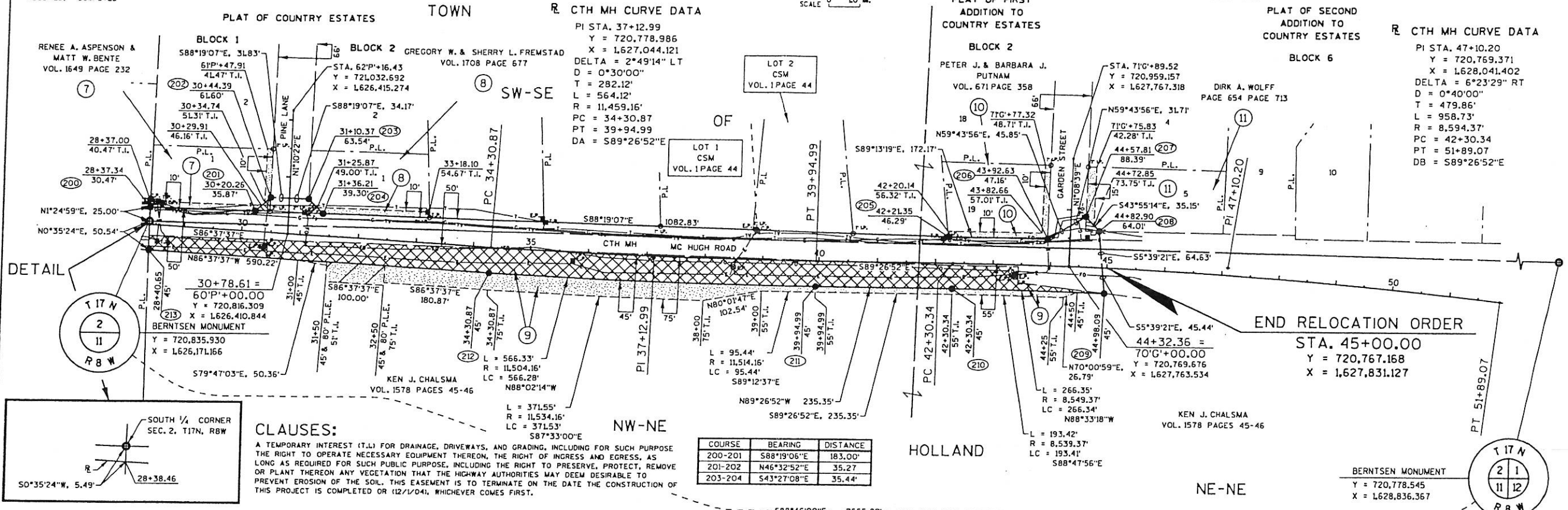
THAT PART OF THE SW 1/4-SE 1/4 AND THE SE 1/4-SE 1/4 OF SECTION 2 AND THE NW 1/4-NE 1/4 AND THE NE 1/4-NE 1/4 OF SECTION 11, ALL IN T17N, R8W, TOWN OF HOLLAND, LA CROSSE COUNTY, WISCONSIN

RELOCATION ORDER CTH MH LA CROSSE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHT IN LANDS FOR THE ABOVE NAMED PROJECT.

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COURSE	BEARING	DISTANCE
200-201	S88°19'06"E	183.00'
201-202	N46°32'52"E	35.27'
203-204	S43°27'08"E	35.44'

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

SECTION LINES QUARTER LINE SIXTEENTH LINE NEW REFERENCE LINE NEW R/W LINE EXISTING R/W LINE PROPERTY LINE LOT, TIE AND OTHER MINOR LINES UNDERGROUND FACILITY (GAS, TELEPHONE, ELECTRIC, ETC.)	SECTION CORNER NOTATION FOR COMBUSTIBLE FLUIDS NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES	R/W MONUMENT NON-MONUMENT R/W POINT IRON PIN VALVE (GAS, WATER, ETC.) SIGN ENCROACHING SIGN	ACRES TELEVISION PEDESTAL CENTERLINE CENTRAL ANGLE ELECTRICAL PEDESTAL GAS VALVE IRON PIPE LENGTH LONG CHORD LONG CHORD BEARING MONUMENT	AC C.P. CL CL E.P. GV I.P. L LC LCB MON	PAGE POWER POLE PROPERTY LINE RADIUS REFERENCE LINE RIGHT OF WAY SECTION STATION TANGENT TELEPHONE PEDESTAL VOLUME	P. PP PL R RL R/W SEC STA T T.P. V.
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R/W POINT COORDINATES

Pt.	Y	X	Pt.	Y	X
Pt. 200	720,850.923	1,626,171.784	Pt. 207	720,857.130	1,627,792.157
Pt. 201	720,855.553	1,626,354.705	Pt. 208	720,831.812	1,627,816.538
Pt. 202	720,879.812	1,626,380.311	Pt. 209	720,722.284	1,627,827.385
Pt. 203	720,877.875	1,626,446.284	Pt. 210	720,728.999	1,627,561.29
Pt. 204	720,852.149	1,626,470.656	Pt. 211	720,731.268	1,627,325.790
Pt. 205	720,820.375	1,627,553.020	Pt. 212	720,750.662	1,626,759.846
Pt. 206	720,818.037	1,627,725.172	Pt. 213	720,785.388	1,626,170.646

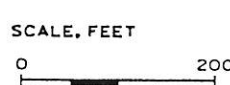
RESERVED FOR REGISTER OF DEEDS

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN _____ COUNTY, WISCONSIN AT _____ M ON _____ AS DOCUMENT _____ AND FILED IN _____

(SIGNATURE) _____ DATE 1-20-04
 MICHAEL L. DEEMS
 MEAD & HUNT
 R.L.S. NUMBER S-1991

THIS PLAT IS APPROVED FOR THE COUNTY OF LA CROSSE.

(SIGNATURE) _____ DATE _____
 (PRINTED NAME) _____



[PLAN NO. 402]

[PLAN NO. 402]

PROJECT ID: N/A
WITH: N/A

COUNTY: LA CROSSE COUNTY

ORDER OF SHEETS

Sheet No. 1	Title
Sheet No. 2.1-2.7	Typical Sections and Details
Sheet No.	Estimate of Quantities
Sheet No. 3.1-3.4	Miscellaneous Quantities
Sheet No. 4.1-4.2	Right of Way Plat
Sheet No. 5.1-5.9	Plan and Profile
Sheet No. 6.1-6.7	Standard Detail Drawings
Sheet No.	Sign Plates
Sheet No.	Structure Plans
Sheet No.	Computer Earthwork Data
Sheet No. 9.1-9.2	Cross Sections

TOTAL SHEETS =



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CTH XX - USH 53

(CTH XX - SUNRISE LANE)

CTH MH

LA CROSSE COUNTY

STATE PROJECT NUMBER
N/A

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
N/A		

DESIGN DESIGNATION

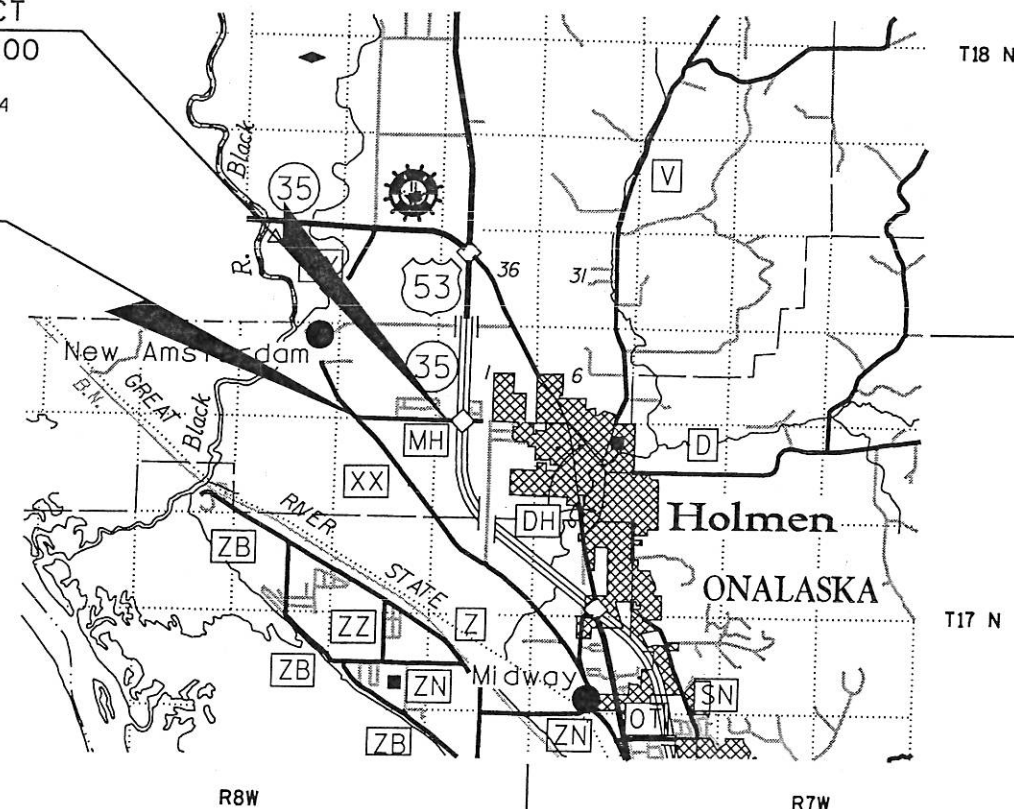
A.D.T. (2004)	=	3700
A.D.T. (2024)	=	5475
D.H.V.	=	
D.D.	=	
T.	=	
DESIGN SPEED	=	50 MPH
ESALS	=	

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
MARSH AREA	STORM SEWER
WOODED OR SHRUB AREA	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE

END PROJECT
STA. 53+50.00
N = 720,692.124
E = 1,628,677.524

BEGIN PROJECT
STA. 10+00.22
N = 720,839.618
E = 1,624,353.558



LAYOUT SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.824 MI.

"Coordinates on this plan are referenced to the Wisconsin County Coordinate System (WCCS), La Crosse County."

ACCEPTED FOR
LA CROSSE COUNTY

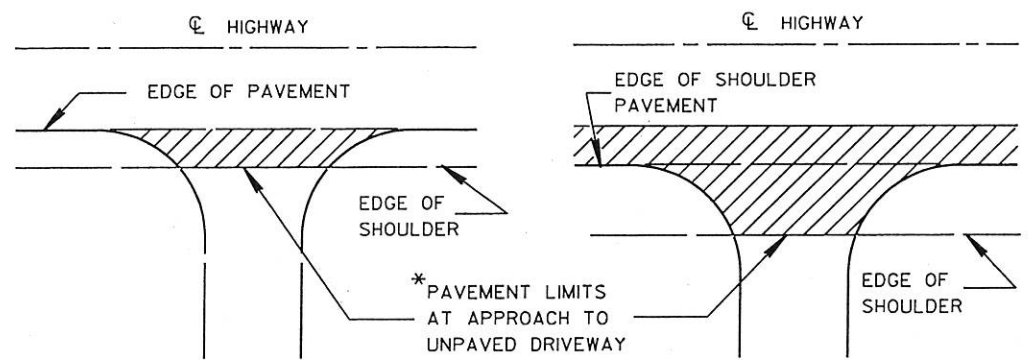
DATE: 3-4-04 *Dennis O'good*
COUNTY HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY
MEAD HUNT
ENGINEERS ARCHITECTS SCIENTISTS PLANNERS

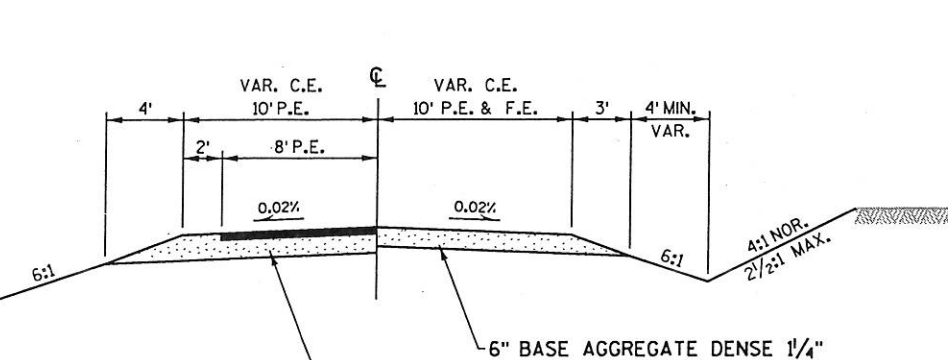
WISCONSIN PROFESSIONAL ENGINEER

THOMAS J. KRATT
E-28344
LA CROSSE, WI

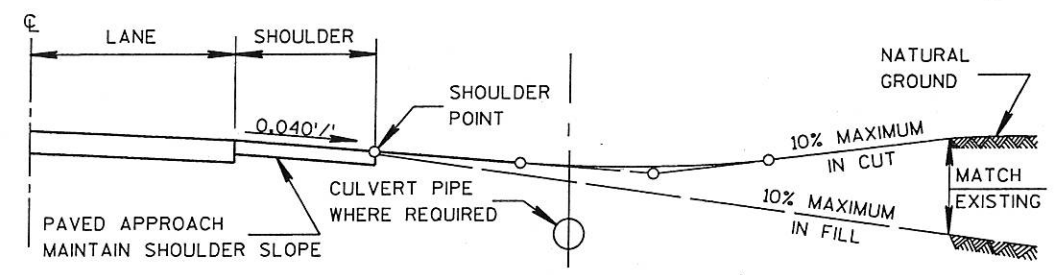
DATE: 3/4/04 *Thomas J. Kratt*
(Signature)



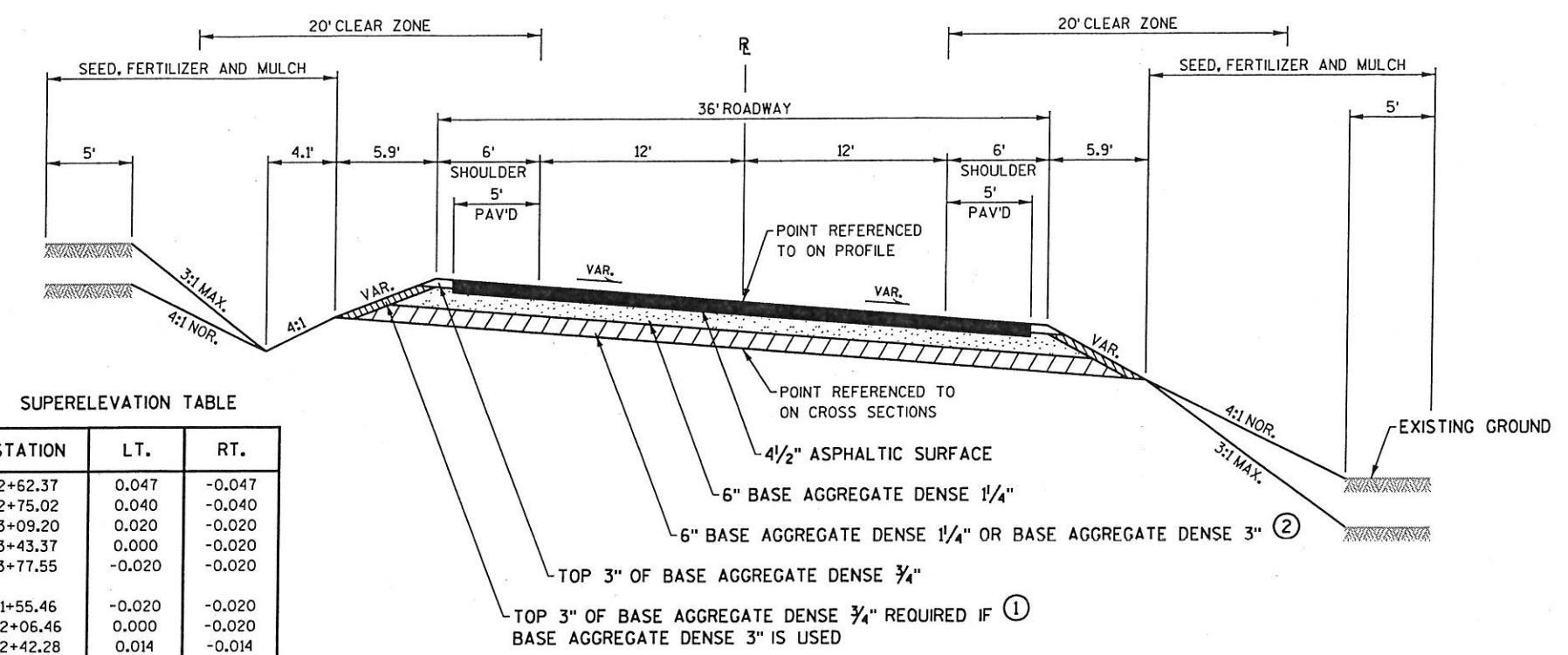
PLAN VIEW (PAVED SHOULDER ON HIGHWAY)
 PLAN VIEW
 RURAL DRIVEWAY INTERSECTION DETAIL



PAVED HALF SECTION
 CRUSHED AGGREGATE HALF SECTION
 TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE



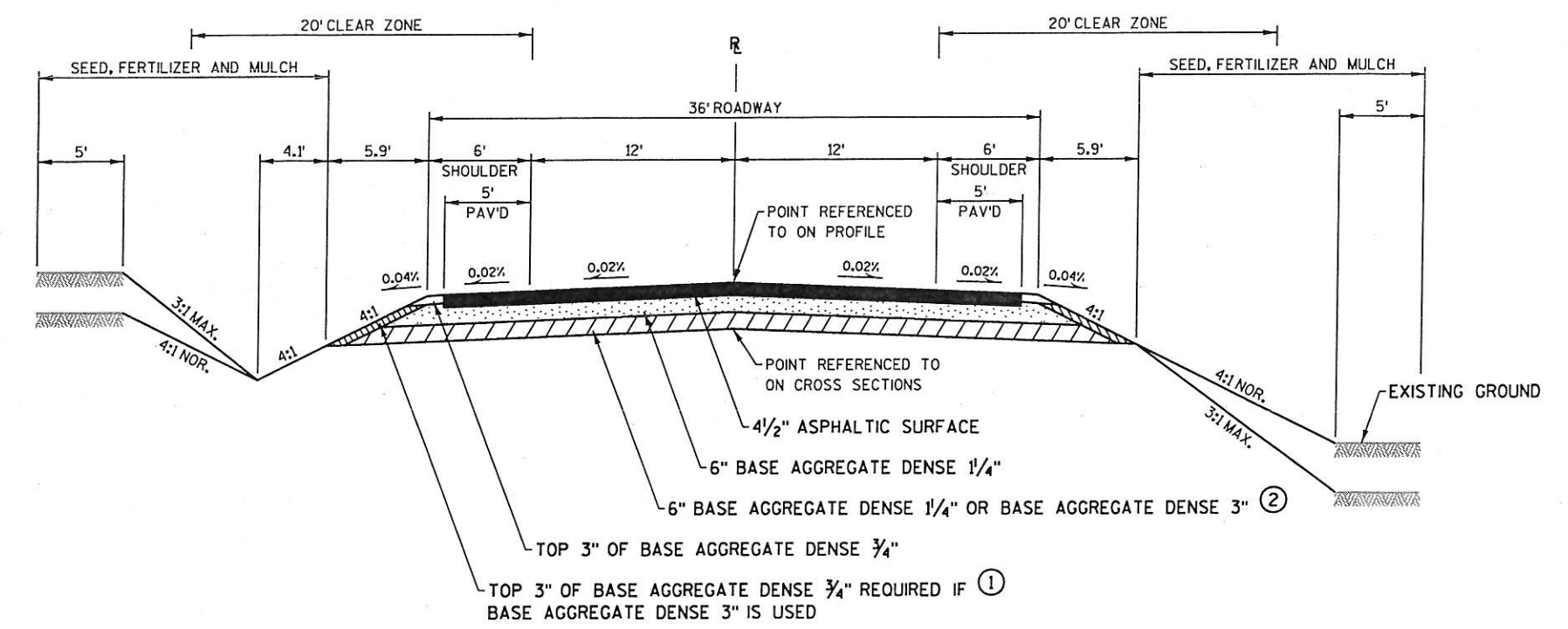
TYPICAL DRIVEWAY PROFILES



SUPERELEVATION TABLE

STATION	LT.	RT.
12+62.37	0.047	-0.047
12+75.02	0.040	-0.040
13+09.20	0.020	-0.020
13+43.37	0.000	-0.020
13+77.55	-0.020	-0.020
41+55.46	-0.020	-0.020
42+06.46	0.000	-0.020
42+42.28	0.014	-0.014
51+77.12	0.014	-0.014
53+53.41	-0.043	0.043

TYPICAL SUPER ELEVATED FINISHED SECTION
 (CTH MH)



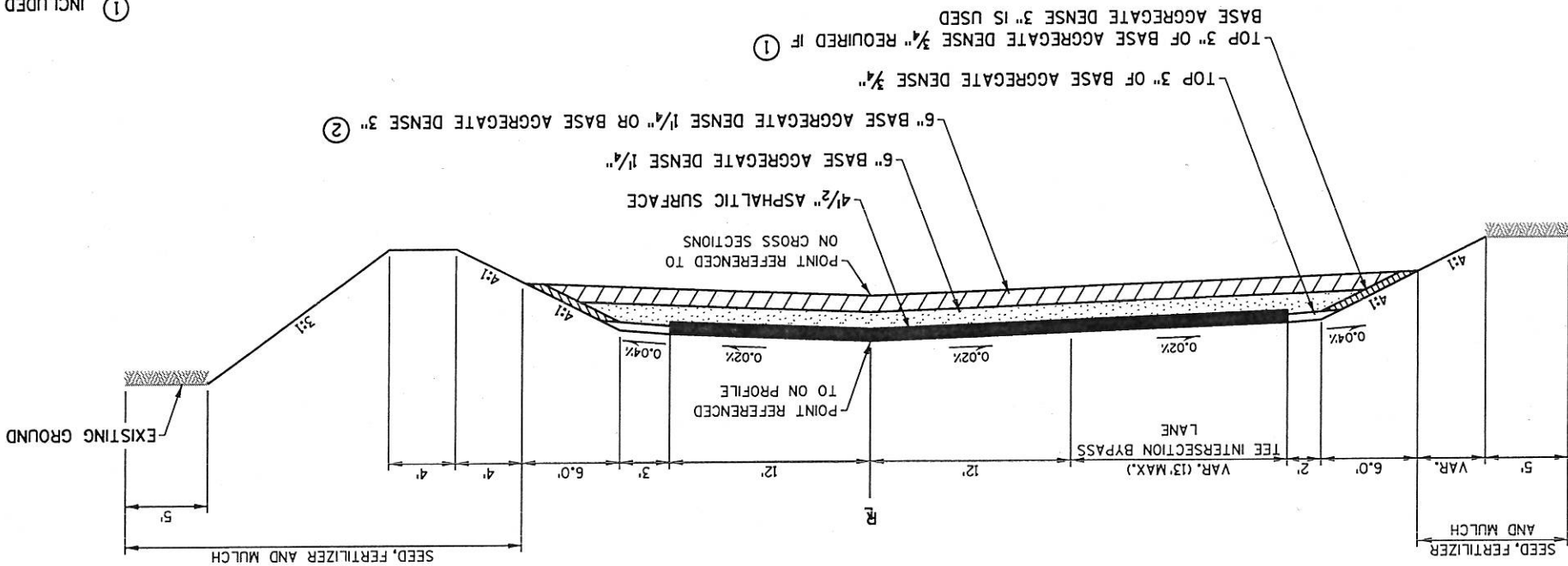
TYPICAL FINISHED SECTION
 (CTH MH)

- ① INCLUDED IN THE QUANTITY FOR BID ITEM OF BASE AGGREGATE DENSE 3/4"
- ② INCLUDED IN THE QUANTITY FOR BID ITEM OF BASE AGGREGATE DENSE 1/4"

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

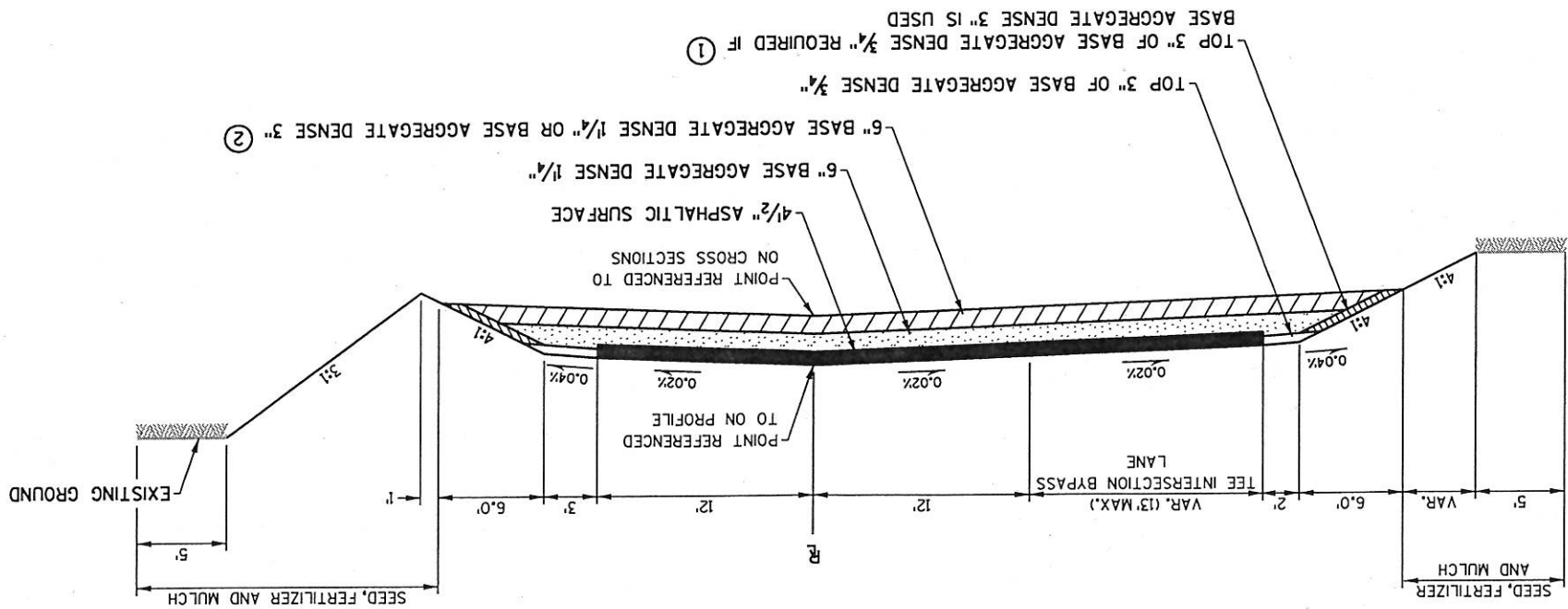
TYPICAL FINISHED SECTION

STA. 10+XX+00 - 13+XX+67 (CTH XX)



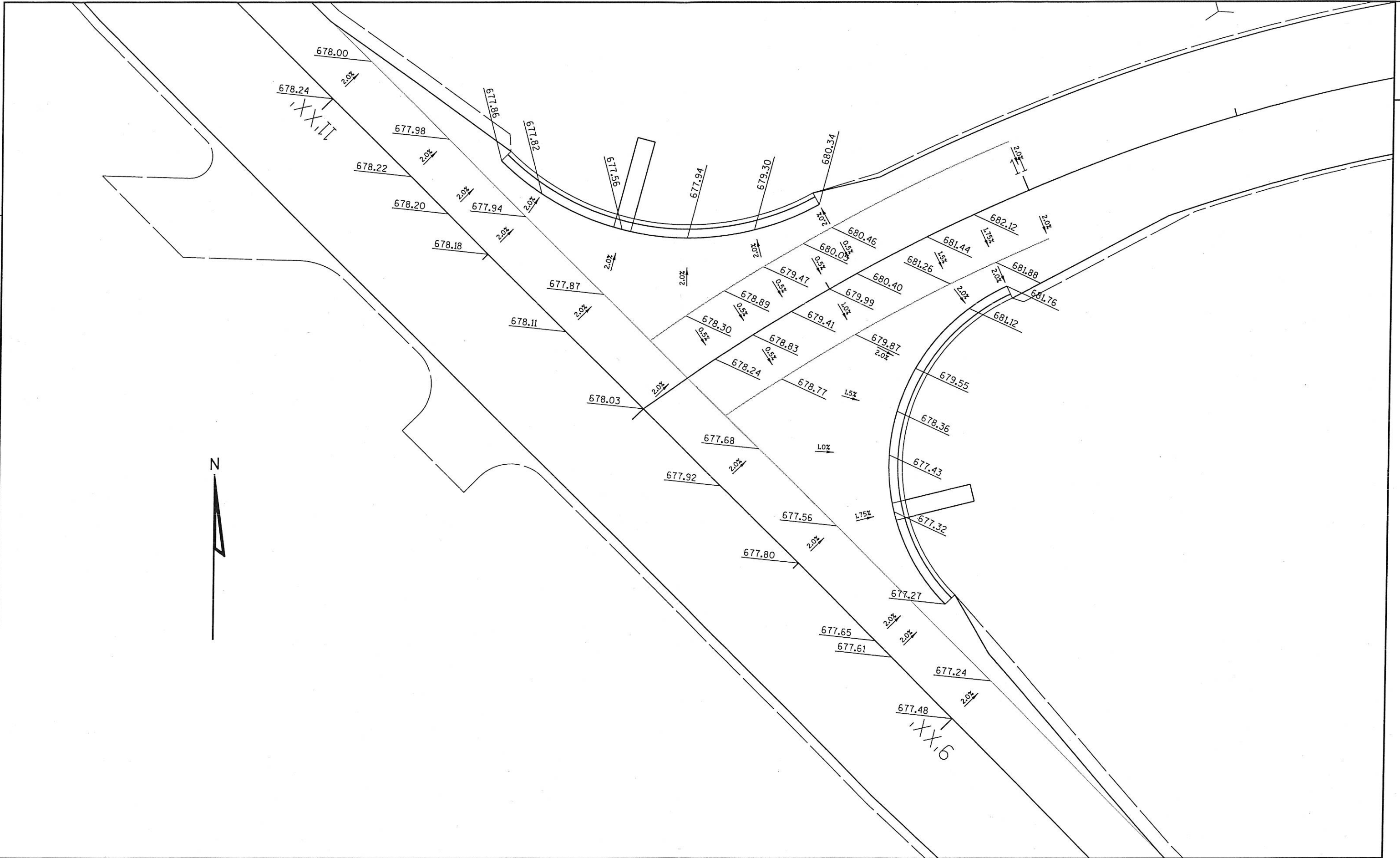
TYPICAL FINISHED SECTION

STA. 5+XX+75 - 10+XX+00 (CTH XX)



- ① INCLUDED IN THE QUANTITY FOR BID ITEM OF BASE AGGREGATE DENSE 3/4"
- ② INCLUDED IN THE QUANTITY FOR BID ITEM OF BASE AGGREGATE DENSE 1/4"

LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63




STATE PROJECT NUMBER: N/A

HWY: CTH MH

COUNTY: LA CROSSE

INTERSECTION DETAIL CTH XX

SCALE, FEET 

SHEET NO: 2.4

E

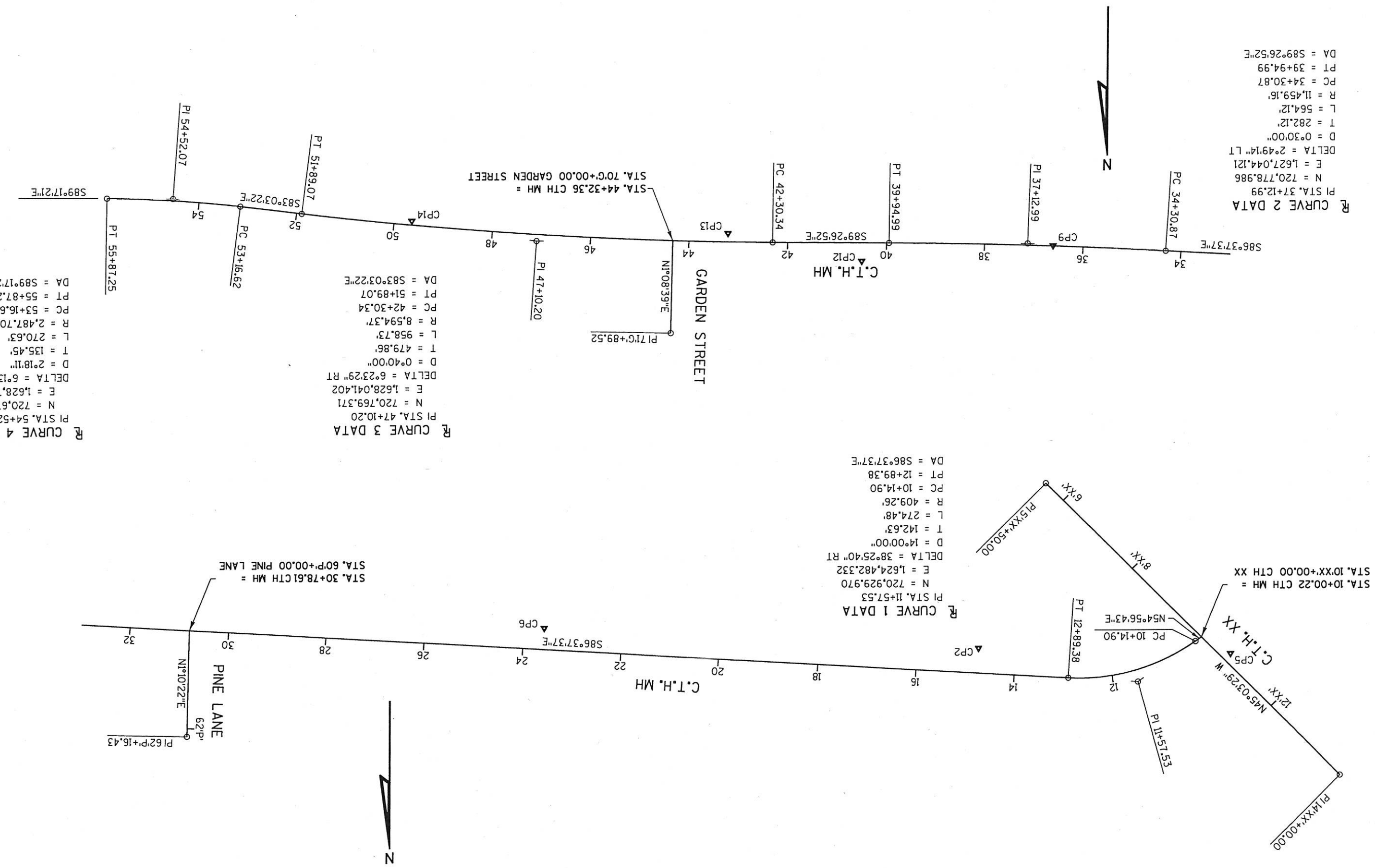
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R CURVE 2 DATA
 PI STA. 37+12.99
 N = 720.778.986
 E = 1,627,044.121
 DELTA = 2°49'14" LT
 D = 0°30'00"
 T = 282.12
 L = 564.12
 R = 11,459.16
 PC = 34+30.87
 PT = 39+94.99
 DA = S89°26'52"E

R CURVE 3 DATA
 PI STA. 47+10.20
 N = 720.769.371
 E = 1,628,041.402
 DELTA = 6°23'29" RT
 D = 0°40'00"
 T = 479.86
 L = 958.73
 R = 8,594.37
 PC = 42+30.34
 PT = 51+89.07
 DA = S83°03'22"E

R CURVE 4 DATA
 PI STA. 54+52.07
 N = 720.679.562
 E = 1,628,778.813
 DELTA = 6°13'59" LT
 D = 2°18'11"
 T = 135.45
 L = 270.63
 R = 2,487.70
 PC = 53+16.62
 PT = 55+87.25
 DA = S89°17'21"E

R CURVE 1 DATA
 PI STA. 11+57.53
 N = 720.929.970
 E = 1,624,482.332
 DELTA = 38°25'40" RT
 D = 14°00'00"
 T = 142.63
 L = 274.48
 R = 409.26
 PC = 10+14.90
 PT = 12+89.38
 DA = S86°37'37"E



ALIGNMENT C.T.H. MH

POINT #	STATION	NORTHING	EASTING	REMARKS
1	STA. 10+00.22	720,839.618	1,624,353.558	PI
2	STA. 10+14.90	720,848.050	1,624,365.575	PC CURVE 1
3	STA. 11+57.53	720,929.970	1,624,482.332	PI CURVE 1
4	STA. 12+89.38	720,921.579	1,624,624.714	PT CURVE 1
5	STA. 34+30.87	720,795.584	1,626,762.494	PC CURVE 2
6	STA. 37+12.99	720,778.986	1,627,044.121	PI CURVE 2
7	STA. 39+94.99	720,776.266	1,627,326.225	PT CURVE 2
8	STA. 42+30.34	720,773.997	1,627,561.563	PC CURVE 3
9	STA. 47+10.20	720,769.371	1,628,041.402	PI CURVE 3
10	STA. 51+89.07	720,711.357	1,628,517.744	PT CURVE 3
11	STA. 53+16.62	720,695.937	1,628,644.356	PC CURVE 4
12	STA. 54+52.07	720,679.562	1,628,778.813	PI CURVE 4
13	STA. 55+87.25	720,677.882	1,628,914.253	PT CURVE 4

ALIGNMENT C.T.H. XX

POINT #	STATION	NORTHING	EASTING	REMARKS
1	STA. 5'XX'+50.00	720,521.743	1,624,672.078	PI
2	STA. 14'XX'+00.00	721,122.175	1,624,070.429	PI

ALIGNMENT PINE LANE

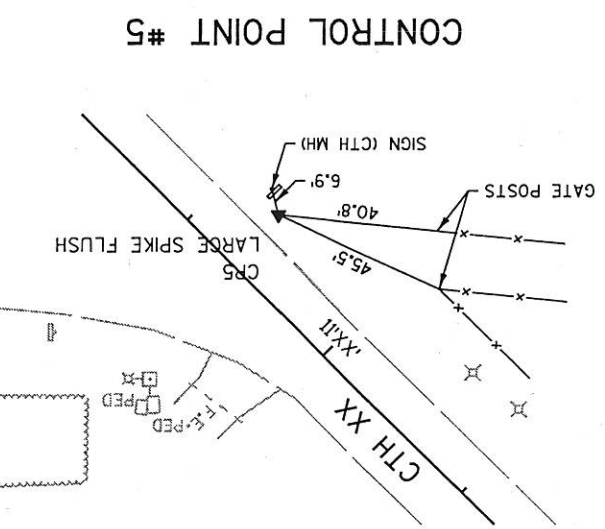
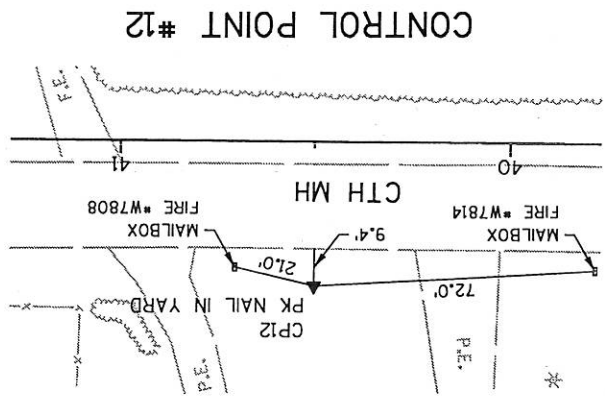
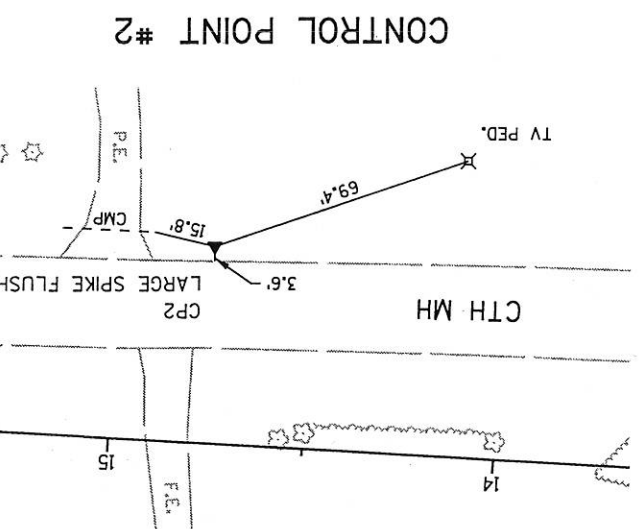
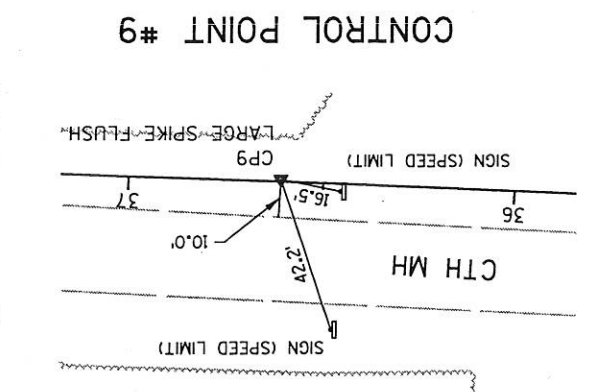
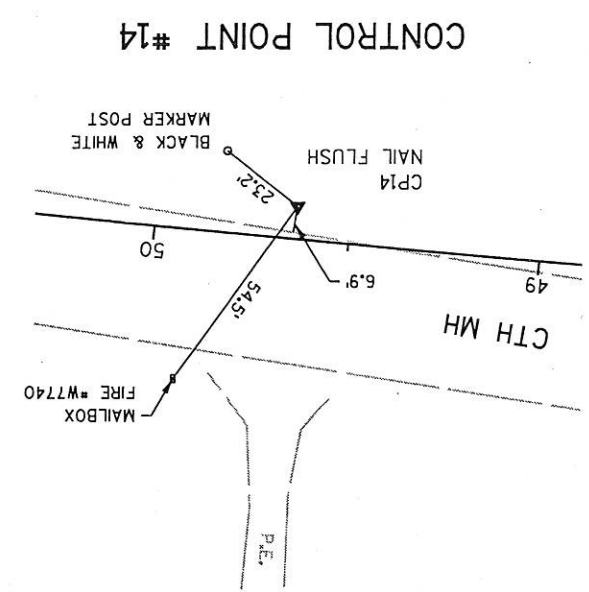
POINT #	STATION	NORTHING	EASTING	REMARKS
1	STA. 60'P'+00.00	720,816.309	1,626,410.844	PI
2	STA. 62'P'+16.43	721,032.692	1,626,415.274	PI

ALIGNMENT GARDEN STREET

POINT #	STATION	NORTHING	EASTING	REMARKS
1	STA. 70'G'+00.00	720,769.676	1,627,763.534	PI
2	STA. 71'G'+89.52	720,959.157	1,627,767.318	PI

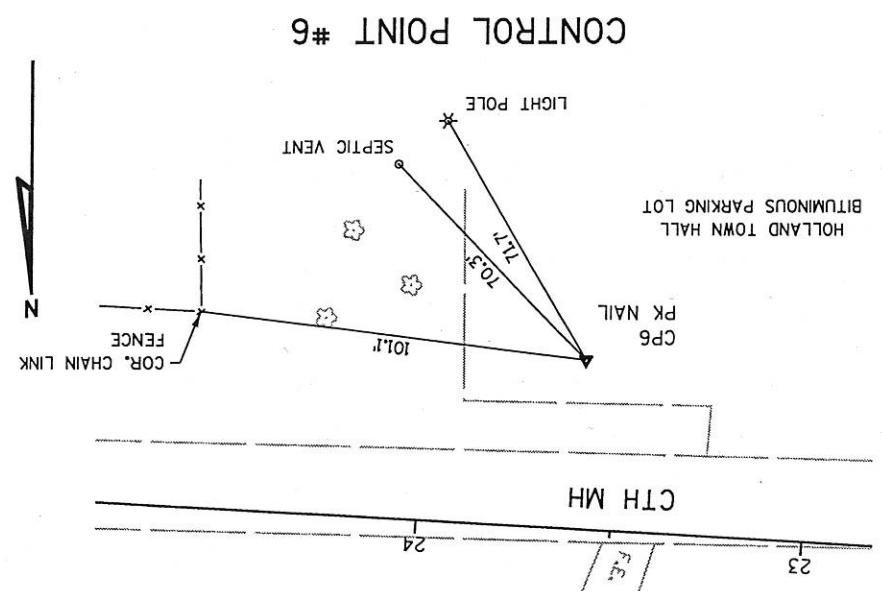
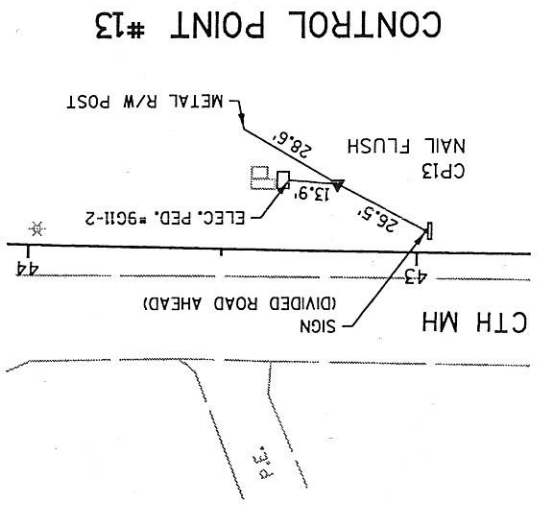
LEVELS ON • 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

LEVELS ON: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



CP#	STATION/LOCATION	NORTHING	EASTING	REMARKS
2	STA. 14+75.85, RT. 15.07'	720,859.625	1,624,807.854	LARGE SPIKE
5	STA. 10+XX+65.76, LT. 17.40'	720,873.635	1,624,294.544	LARGE SPIKE
6	STA. 23+58.85, RT. 43.84'	720,814.893	1,625,689.752	PK NAIL
9	STA. 36+60.97, RT. 0.58'	720,783.776	1,626,992.293	LARGE SPIKE
12	STA. 40+49.69, LT. 37.69'	720,813.427	1,627,381.286	PK NAIL
13	STA. 43+20.50, RT. 17.53'	720,755.130	1,627,651.365	NAIL
14	STA. 49+64.06, RT. 8.40'	720,727.276	1,628,293.257	NAIL

CONTROL POINTS



LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

CLEARING & GRUBBING

STATION	LOCATION	CLEARING STA.	GRUBBING STA.
10+00 - 15+00	MAINLINE	5	5
26+00 - 27+00	MAINLINE	1	1
29+00 - 30+00	MAINLINE	1	1
32+00 - 41+00	MAINLINE	9	9
44+00 - 45+00	MAINLINE	1	1
9'XX'+00 - 10'XX'+00	CTH XX	1	1
TOTAL		18	18

BASE AGGREGATE DENSE 3/4"

STATION	TONS	LOCATION
10+57 - 53+50	939	MAINLINE
60'P'+60 - 61'P'+55	21	PINE LANE
70'G'+59 - 71'G'+56	21	GARDEN STREET
5'XX'+75 - 13'XX'+67	213	CTH 'XX'
TOTAL	1194	

BASE AGGREGATE DENSE 1/4"

STATION	TONS	LOCATION
10+10 - 53+50	12829	MAINLINE
60'P'+17 - 61'P'+55	441	PINE LANE
70'G'+17 - 71'G'+56	447	GARDEN STREET
5'XX'+75 - 13'XX'+67	2475	CTH 'XX'
DRIVEWAYS (PE, CE. & F.E.)	420	
TOTAL	16612	

ASPHALTIC SURFACE

STATION	TONS	LOCATION
10+10 - 53+50	4287	MAINLINE
60'P'+17 - 61'P'+55	151	PINE LANE
70'G'+17 - 71'G'+56	153	GARDEN STREET
5'XX'+75 - 13'XX'+67	735	CTH 'XX'
DRIVEWAYS (PE. & CE.)	70	
TOTAL	5396	

TACK COAT

STATION	GAL	LOCATION
10+10 - 53+50	418	MAINLINE
60'P'+17 - 61'P'+55	15	PINE LANE
70'G'+17 - 71'G'+56	15	GARDEN STREET
5'XX'+75 - 13'XX'+67	72	CTH 'XX'
TOTAL	520	

ASPHALTIC FLUMES

STATION	LOCATION	S.Y.
NE QUADRANT	CTH XX	8
SE QUADRANT	CTH XX	7
TOTAL		15

CULVERT PIPE CLASS III ①②

15-INCH

STATION	L.F.
61'P'+00, LT (P.E.)	32
TOTAL	32

CULVERT PIPE CLASS III ①②

18-INCH

STATION	L.F.
15+00, RT (P.E.)	32
20+00, RT (C.E.)	40
22+68, RT (C.E.)	60
23+50, LT (F.E.)	34
27+34, LT (P.E.)	36
34+25, LT (P.E.)	32
35+38, LT (P.E.)	32
38+48, LT (P.E.)	32
40+11, LT (P.E.)	32
40+85, LT (P.E.)	32
7'XX'+40, RT (P.E.)	32
TOTAL	394

CULVERT PIPE CLASS III ①②

21-INCH

STATION	L.F.
14+82, LT (F.E.)	32
TOTAL	32

APRON ENDWALLS FOR CULVERT PIPE 15-INCH

STATION	EACH
61'P'+00, LT (P.E.)	2
TOTAL	2

APRON ENDWALLS FOR CULVERT PIPE 18-INCH

STATION	EACH
15+00, RT (P.E.)	2
20+00, RT (C.E.)	2
22+68, RT (C.E.)	2
23+50, LT (F.E.)	2
27+34, LT (P.E.)	2
34+25, LT (P.E.)	2
35+38, LT (P.E.)	2
38+48, LT (P.E.)	2
40+11, LT (P.E.)	2
40+85, LT (P.E.)	2
7'XX'+40, RT (P.E.)	2
TOTAL	22

- ① MINIMUM THICKNESS FOR CORRUGATED STEEL PIPE IS 0.064 INCHES.
- ② JOINT TIES ARE REQUIRED IF USING REINFORCED CONCRETE PIPE. (INCIDENTAL TO BID ITEM)

APRON ENDWALLS FOR CULVERT PIPE 21-INCH

STATION	EACH
14+82, LT (F.E.)	2
TOTAL	2

CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH

STATION	L.F.
32+00, C	58.6
43+00, C	50.0
49+81, RT	12.0
TOTAL	120.6

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH

STATION	EACH
32+00, RT	1
43+00, LT & RT	2
TOTAL	3

APRON ENDWALLS FOR CULVERT PIPE SALVAGED 24-INCH

STATION	EACH
49+81, RT (MAINLINE)	1
TOTAL	1

CONCRETE CURB AND GUTTER 30-INCH TYPE D

STATION	LOCATION	L.F.
22+68, RT.	SW QUADRANT (ENT.)	37
22+68, RT.	SE QUADRANT (ENT.)	113
TOTAL		150

CONCRETE CURB AND GUTTER 36-INCH TYPE D

STATION	LOCATION	L.F.
NE QUADRANT	CTH XX	75
SE QUADRANT	CTH XX	83
NW QUADRANT	PINE LN.	61
NE QUADRANT	PINE LN.	74
NW QUADRANT	GARDEN ST.	60
NE QUADRANT	GARDEN ST.	90
TOTAL		443

GEOTEXTILE FABRIC TYPE R

STATION	LOCATION	S.Y.
32+00	CTH MH, RT	6
TOTAL		6

RIPRAP LIGHT

STATION	LOCATION	C.Y.
32+00	CTH MH, RT	2
TOTAL		2

INLET TYPE 9

STATION	EACH
32+00, LT	1
TOTAL	1

INLET COVER TYPE MS

STATION	EACH
32+00, LT	2
TOTAL	2

INLET PROTECTION TYPE D

STATION	EACH
32+00, LT	1
TOTAL	1

SAWING EXISTING PAVEMENT

STATION	LOCATION	L.F.
22+68, RT	C.E.	169
27+34, LT	P.E.	20
34+25, LT	P.E.	12
35+38, LT	P.E.	16
40+85, LT	P.E.	11
53+50, C	SUNRISE LN. INTER.	66
60'P'+80, RT	P.E.	25
61'P'+55, C	PINE LANE	20
71'G'+56.50, C	GARDEN STREET	20
5'XX'+75, C	CTH 'XX'	24
13'XX'+67, C	CTH 'XX'	24
TOTAL		407

SAWING CONCRETE PAVEMENT FULL DEPTH

STATION	LOCATION	L.F.
61'P'+00, LT	P.E.	17
43+40, LT	P.E.	16
TOTAL		33

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

CUT (MAINLINE)			
STATION	END AREA (S.F.)	VOLUME (C.Y.)	CUMULATIVE VOLUME (C.Y.)
10+11	240.0		
10+50	222.8	334	334
11+00	616.3	777	1111
11+50	826.7	1336	2447
12+00	1011.5	1702	4149
12+50	988.8	1852	6001
13+00	919.0	1767	7768
13+50	855.8	1643	9411
14+00	740.9	1478	10889
14+50	639.8	1278	12167
15+00	510.9	1066	13233
15+50	415.0	857	14090
16+00	302.2	664	14754
16+50	213.7	478	15232
17+00	124.6	313	15545
17+50	103.5	211	15756
18+00	104.7	193	15949
18+50	99.9	189	16138
19+00	80.3	167	16305
19+50	71.7	141	16446
20+00	49.5	112	16558
20+50	49.5	128	16686
21+00	88.3	183	16869
21+50	108.9	204	17073
22+00	111.8	211	17284
22+50	116.5	248	17532
23+00	151.6	311	17843
23+50	183.8	435	18278
24+00	286.1	621	18899
24+50	384.1	699	19598
25+00	371.0	576	20174
25+50	250.9	357	20531
26+00	134.1	184	20715
26+50	64.8	96	20811
27+00	38.3	51	20862
27+50	16.8	23	20885
28+00	8.0	8	20893
28+50	0.1	2	20895
29+00	2.3	23	20918
29+50	22.0	49	20967
30+00	30.8	55	21022
30+50	28.1	32	21054
31+00	6.0	8	21062
31+50	2.8	4	21066
32+00	1.0	3	21069
32+00	1.6		

FILL (MAINLINE)			
STATION	END AREA (S.F.)	VOLUME (C.Y.)	CUMULATIVE VOLUME (C.Y.)
10+11	0.0		
10+50	0.0	0	0
11+00	0.0	0	0
11+50	0.0	0	0
12+00	0.0	0	0
12+50	0.0	0	0
13+00	0.0	0	0
13+50	0.0	0	0
14+00	0.0	0	0
14+50	0.0	0	0
15+00	0.0	0	0
15+50	0.0	0	0
16+00	0.0	0	0
16+50	0.0	0	0
17+00	0.8	1	1
17+50	4.5	5	6
18+00	2.7	7	13
18+50	2.8	5	18
19+00	5.4	8	26
19+50	6.0	11	37
20+00	5.1	10	47
20+50	3.0	8	55
21+00	0.6	3	58
21+50	0.0	1	59
22+00	0.0	0	59
22+50	0.0	0	59
23+00	0.0	0	59
23+50	0.0	0	59
24+00	0.0	0	59
24+50	0.0	0	59
25+00	0.0	0	59
25+50	0.0	0	59
26+00	3.5	3	62
26+50	12	12	74
27+00	17.0	25	99
27+50	36	36	135
28+00	21.9	53	188
28+50	35.5	50	238
29+00	18.4	24	262
29+50	7.3	15	277
30+00	8.7	15	277
30+50	27	27	304
31+00	20.4	53	357
31+50	36.2	93	450
32+00	63.8	152	602
32+00	100.2	177	779
32+00	90.7		

CUT (MAINLINE)			
STATION	END AREA (S.F.)	VOLUME (C.Y.)	CUMULATIVE VOLUME (C.Y.)
32+00	1.6		
32+50	0.3	2	21071
33+00	0.0	1	21072
33+50	0.0	0	21072
34+00	0.0	0	21072
34+50	0.4	1	21073
35+00	6.1	6	21079
35+50	219.0	208	21287
36+00	465.9	634	21921
36+50	515.6	909	22830
37+00	344.2	796	23626
37+50	257.2	557	24183
38+00	243.2	463	24646
38+50	38.1	261	24907
39+00	5.7	41	24948
39+50	0.0	5	24953
40+00	0.0	0	24953
40+50	0.0	0	24953
41+00	0.3	1	24954
41+50	8.9	9	24963
42+00	37.7	43	25006
42+50	147.2	171	25177
43+00	252.0	370	25547
43+50	274.7	488	26035
44+00	232.0	469	26504
44+50	116.2	322	26826
45+00	112.6	212	27038
45+50	90.5	188	27226
46+00	33.6	115	27341
46+50	71.8	98	27439
47+00	72.3	133	27572
47+50	69.1	131	27703
48+00	70.7	129	27832
48+50	70.7	123	27955
49+00	61.6	106	28061
49+50	52.7	106	28167
50+00	48.1	93	28154
50+50	48.1	82	28236
51+00	40.1	72	28308
51+50	37.8	64	28372
52+00	31.8	62	28434
52+50	34.7	74	28508
53+00	45.5	88	28596
53+50	49.6	104	28700
53+50	62.3	131	28831
53+50	79.0		

FILL (MAINLINE)			
STATION	END AREA (S.F.)	VOLUME (C.Y.)	CUMULATIVE VOLUME (C.Y.)
32+00	90.7		
32+50	98.1	175	954
33+00	158.4	238	1192
33+50	364.9	485	1677
34+00	427.8	734	2411
34+50	331.7	703	3114
35+00	135.8	433	3547
35+50	3.6	129	3676
36+00	0.0	3	3679
36+50	0.0	0	3679
37+00	0.0	0	3679
37+50	0.0	0	3679
38+00	0.0	0	3679
38+50	17.3	16	3695
39+00	105.8	114	3809
39+50	177.7	263	4072
40+00	231.6	379	4451
40+50	186.9	388	4839
41+00	90.5	257	5096
41+50	25.5	107	5203
42+00	5.1	28	5231
42+50	5.1	5	5236
43+00	0.0	0	5236
43+50	0.0	0	5236
44+00	0.1	0	5236
44+50	0.0	0	5236
45+00	3.6	3	5239
45+50	14.0	16	5255
46+00	65.1	73	5328
46+50	89.6	143	5471
47+00	113.4	188	5659
47+50	143.7	238	5897
48+00	153.1	275	6172
48+50	143.7	275	6447
49+00	127.9	252	6699
49+50	107.4	218	6917
50+00	77.5	171	7088
50+50	57.4	125	7213
51+00	23.9	75	7288
51+50	0.5	23	7311
52+00	0.2	1	7312
52+50	20.0	19	7331
53+00	6.2	24	7355
53+50	0.0	6	7361

STATE PROJECT NUMBER: N/A HWY: CTH MH COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES NOT TO SCALE SHEET NO: 3.4 E

CUT (CTH XX)				FILL (CTH XX)			
STATION	END AREA (S.F.)	VOLUME (C.Y.)	CUMULATIVE VOLUME (C.Y.)	STATION	END AREA (S.F.)	VOLUME (C.Y.)	CUMULATIVE VOLUME (C.Y.)
5'XX'+75	50.0	140	140	5'XX'+75	0.0	5	5
6'XX'+50	51.1	94	234	6'XX'+50	3.5	8	13
7'XX'+00	50.6	123	357	7'XX'+00	5.4	10	23
7'XX'+50	82.7	132	489	7'XX'+50	4.8	10	33
8'XX'+00	59.8	101	590	8'XX'+00	6.4	18	51
8'XX'+50	48.8	108	698	8'XX'+50	12.7	32	83
9'XX'+00	67.4	93	791	9'XX'+00	22.2	34	117
9'XX'+50	33.5	69	860	9'XX'+50	14.3	19	136
10'XX'+00	40.5	204	1064	10'XX'+00	6.6	8	144
10'XX'+50	179.6	307	1371	10'XX'+50	1.5	21	165
11'XX'+00	151.4	291	1662	11'XX'+00	20.7	42	207
11'XX'+50	163.1	319	1981	11'XX'+50	25.0	41	248
12'XX'+00	181.4	343	2324	12'XX'+00	18.8	29	277
12'XX'+50	188.5	355	2679	12'XX'+50	12.5	25	302
13'XX'+00	195.3	225	2904	13'XX'+00	14.3	16	318
13'XX'+50	47.3	29	2933	13'XX'+50	3.4	1	319
13'XX'+67	45.0			13'XX'+67	0.0		

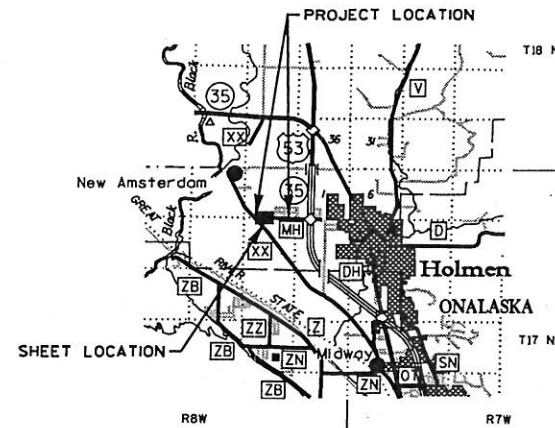
EARTHWORK SUMMARY

EXCAVATION COMMON	28831	275	287	2933	32326
FILL	7361	17	56	319	
FILL EXPANSION	30%	30%	30%	2518	
WASTE	19260	253	214	-	22245
BORROW	-	-	-	-	
TOTAL	28831	275	287	2933	32326

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NO.	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES OR S.F.	RIGHT-OF-WAY REQUIRED ACRES OR S.F.			TOTAL ACRES REM.	T.I. ACRES OR S.F.
				NEW	EXISTING	TOTAL		
1	DONALD V. & THERESE A. PEDRETTI LIVING TRUST	FEE, T.I.	79 AC	1.81 AC	1.78 AC	3.59 AC	75.41 AC	0.06 AC
2	BABCOCK SWINE, MINNESOTA CORPORATION	FEE	121.57 AC	0.03 AC	-	0.03 AC	121.54 AC	-
3	RONALD K. & LYNN C. SUNNE	FEE	7.22 AC	0.07 AC	-	0.07 AC	7.15 AC	-
4	SCOTT A. & PATRICIA A. MARSHALL	FEE	0.87 AC*	0.15 AC	-	0.15 AC	0.72 AC	-
5	TOWN OF HOLLAND	FEE, T.I.	25.15 AC	0.13 AC	-	0.13 AC	25.02 AC	0.05 AC
6	RICHARD A. & HELEN KNUDSON	FEE	1.00 AC*	0.05 AC	-	0.05 AC	0.95 AC	-
20	CENTURYTEL	RELEASE OF RIGHTS						
21	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS						
23	RIVERLAND ENERGY COOPERATIVE	RELEASE OF RIGHTS						

AREA SHOWN IN THE TOTAL AREAS COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM LA CROSSE COUNTY PLAT BOOK OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. *COMPUTED



TRANSPORTATION PROJECT PLAT 32-016-00011

THAT PART OF THE SW 1/4-SW 1/4 AND THE SE 1/4-SW 1/4 OF SECTION 2 AND THE NW 1/4-NW 1/4 AND THE NE 1/4-NW 1/4 OF SECTION 11, ALL IN T17N, R8W, TOWN OF HOLLAND, LA CROSSE COUNTY, WISCONSIN

RELOCATION ORDER CTH MH LA CROSSE COUNTY

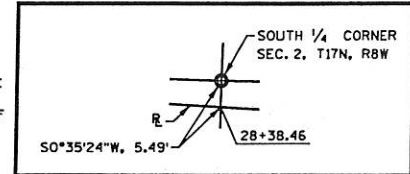
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHT IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3) AND SECTION 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

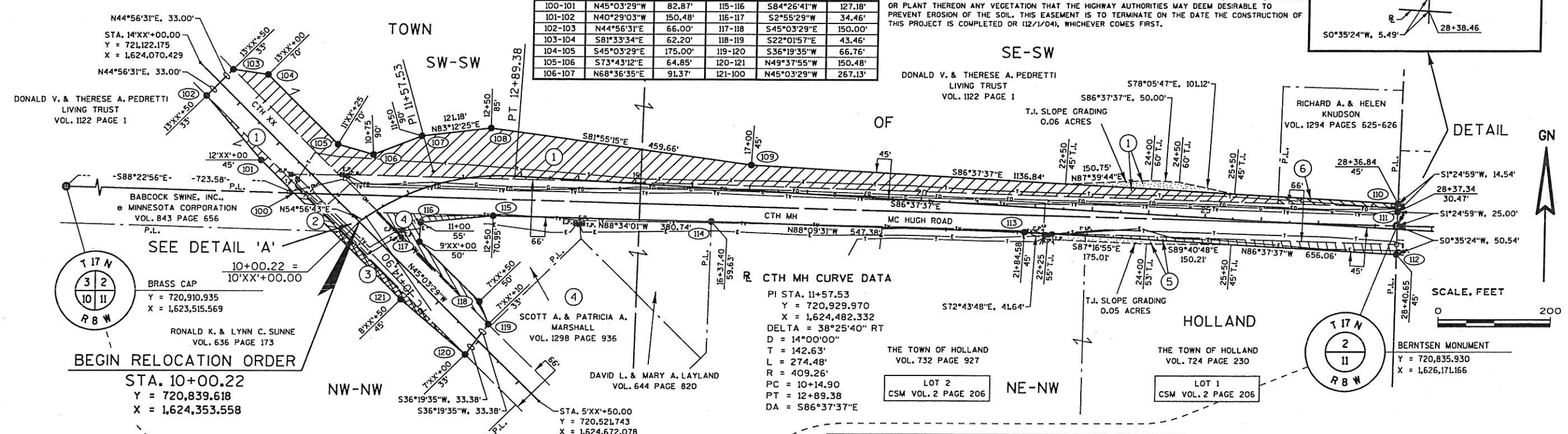
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF LA CROSSE COUNTY, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CLAUSES:

A TEMPORARY INTEREST (T.I.) FOR DRAINAGE, DRIVEWAYS, AND GRADING, INCLUDING FOR SUCH PURPOSE THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE TO PREVENT EROSION OF THE SOIL. THIS EASEMENT IS TO TERMINATE ON THE DATE THE CONSTRUCTION OF THIS PROJECT IS COMPLETED OR 12/1/04, WHICHEVER COMES FIRST.



COURSE	BEARING	DISTANCE	COURSE	BEARING	DISTANCE
100-101	N45°03'29\"/>				



CTH MH CURVE DATA

PI STA. 11+57.53
 Y = 720,929,970
 X = 1,624,482,332
 DELTA = 38°25'40\"/>

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

SECTION LINES	SECTION CORNER	R/W MONUMENT	ACRES	AC	PAGE	P.
QUARTER LINE		NON-MONUMENT	TELEVISION PEDESTAL	C.P.	POWER POLE	PP
SIXTEENTH LINE		R/W POINT	CENTERLINE	CL	PROPERTY LINE	PL
NEW REFERENCE LINE		IRON PIN	CENTRAL ANGLE	A	RADIUS	R
NEW R/W LINE		VALVE (GAS, WATER, ETC.)	ELECTRICAL PEDESTAL	E.P.	REFERENCE LINE	RL
EXISTING R/W LINE		SIGN	GAS VALVE	GV	RIGHT OF WAY	R/W
PROPERTY LINE		ENCROACHING SIGN	IRON PIPE	I.P.	SECTION	SEC
LOT, TIE AND OTHER			LENGTH	L	STATION	STA
MINOR LINES			LONG CHORD	LC	TANGENT	T
UNDERGROUND FACILITY (GAS, TELEPHONE, ELECTRIC, ETC.)			LONG CHORD BEARING	LCB	TELEPHONE PEDESTAL	T.P.
			MONUMENT	MON	VOLUME	V.

TILE	NO ACCESS (BY ACQUISITION)	NO ACCESS (BY STATUTORY AUTHORITY)	NO ACCESS (BY PREVIOUS PROJECT)
PLE			
TRANSMISSION TOWER AND LINE			

POWER POLE	COMPENSABLE	NON-COMPENSABLE
TELEPHONE POLE		
TELEPHONE PEDESTAL		

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCE TO THE WISCONSIN COUNTY COORDINATE SYSTEM, LA CROSSE COUNTY ZONE, NAD83/91 ADJUSTMENT. THE COORDINATES SHOWN ARE GROUND COORDINATES.

ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2, UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

PROPERTY LINES SHOWN ON THIS MAP ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATION LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

R/W POINT COORDINATES

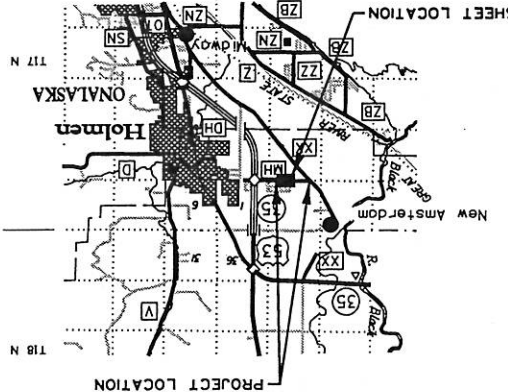
Pt. 100	Y. 720,890,506	X. 1,624,238,863	Pt. 111	Y. 720,860,923	X. 1,626,171,784
Pt. 101	Y. 720,949,045	X. 1,624,180,206	Pt. 112	Y. 720,785,388	X. 1,626,170,646
Pt. 102	Y. 721,063,497	X. 1,624,082,509	Pt. 113	Y. 720,823,987	X. 1,625,515,718
Pt. 103	Y. 721,110,213	X. 1,624,129,131	Pt. 114	Y. 720,841,576	X. 1,624,968,625
Pt. 104	Y. 721,101,083	X. 1,624,190,659	Pt. 115	Y. 720,851,098	X. 1,624,588,001
Pt. 105	Y. 720,977,465	X. 1,624,314,528	Pt. 116	Y. 720,838,786	X. 1,624,461,418
Pt. 106	Y. 720,959,286	X. 1,624,376,775	Pt. 117	Y. 720,804,370	X. 1,624,459,660
Pt. 107	Y. 720,992,609	X. 1,624,461,847	Pt. 118	Y. 720,698,412	X. 1,624,565,833
Pt. 108	Y. 721,006,943	X. 1,624,582,176	Pt. 119	Y. 720,658,123	X. 1,624,582,137
Pt. 109	Y. 720,942,342	X. 1,625,037,269	Pt. 120	Y. 720,604,343	X. 1,624,542,594
Pt. 110	Y. 720,875,456	X. 1,626,172,143	Pt. 121	Y. 720,701,808	X. 1,624,427,944

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

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SCHEDULE OF LANDS & INTERESTS REQUIRED

NO.	PARCEL	OWNERS		RIGHT-OF-WAY REQUIRED		TOTAL ACRES OR S.F.	T.L.	P.L.E.
		INTEREST	ACRES OR S.F.	NEW	EXISTING			
7	RENEE A. ASPENSON & MATT W. BENITE	FEE, T.L.	22,780 S.F.*	313 S.F.	-	22,467 S.F.	2,780 S.F.	-
8	GREGORY W. & SHERRY L. FREMSTAD	FEE, T.L.	22,554 S.F.*	313 S.F.	-	22,241 S.F.	1,877 S.F.	-
9	KEN J. CHALSKMA	FEE, T.L.	123,03 AC	1,06 AC	1,44 AC	120,53 AC	0,55 AC	0,08 AC
10	PETER J. & BARBARA J. PUTNAM	T.L.	23,668 S.F.*	-	-	23,668 S.F.	2,928 S.F.	-
11	DIRK A. WOLFF	FEE, T.L.	26,758 S.F.*	313 S.F.	313 S.F.	26,445 S.F.	1,430 S.F.	-
20	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS	-	-	-	-	-	-
21	CENTURYTEL	RELEASE OF RIGHTS	-	-	-	-	-	-
23	RIVERLAND ENERGY COOPERATIVE	RELEASE OF RIGHTS	-	-	-	-	-	-



TRANSPORTATION PROJECT PLAT 32-016-00012 THAT PART OF THE SW 1/4-SE 1/4 AND THE SE 1/4-SE 1/4 OF SECTION 2 AND THE NW 1/4-NE 1/4 AND THE NE 1/4-NE 1/4 OF SECTION 11, ALL IN T17N, R8W, TOWN OF HOLLAND, LA CROSSE COUNTY, WISCONSIN

RELOCATION ORDER CTH MH LA CROSSE COUNTY

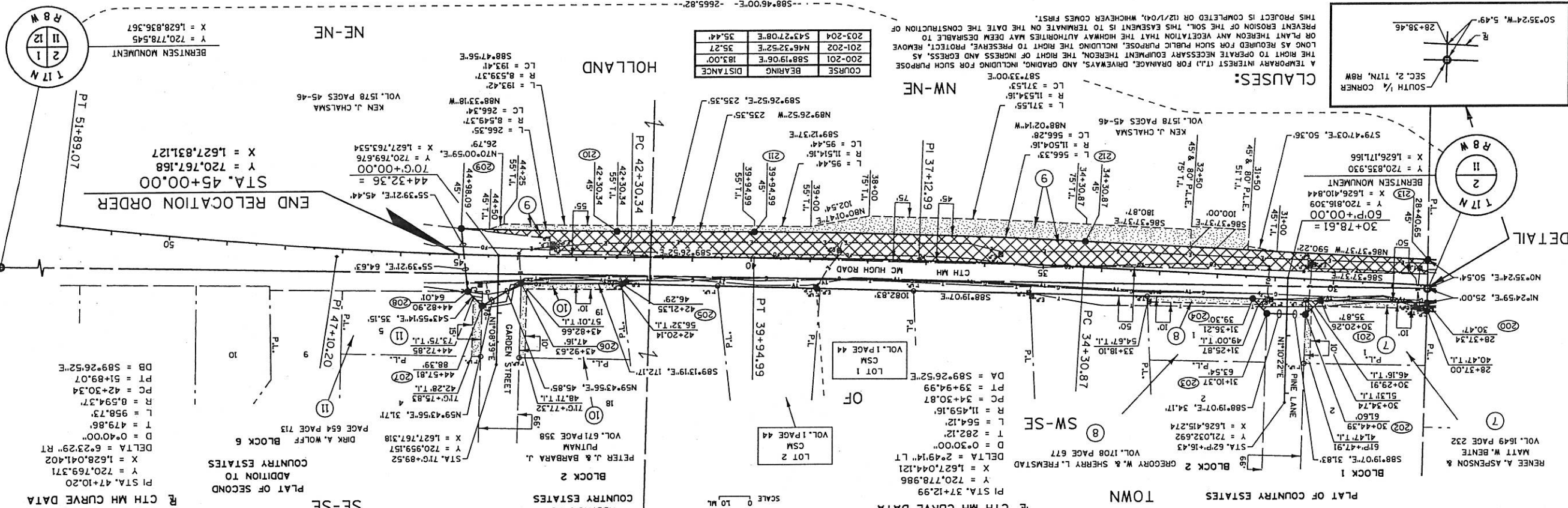
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHT IN LANDS FOR THE ABOVE NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 84.02 (3) AND SECTION 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

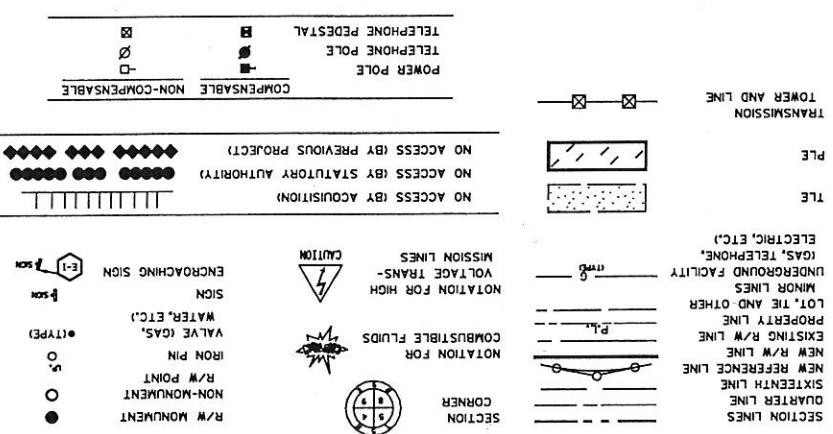
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS Laid OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SHOWN FOR THE ABOVE NAMED PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF LA CROSSE COUNTY, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (d) OR (2), WISCONSIN STATUTES.

AREA SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM LA CROSSE COUNTY PLAT BOOK OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. *COMPUTED.



CONVENTIONAL SYMBOLS AND ABBREVIATIONS



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCE TO THE WISCONSIN COUNTY COORDINATE SYSTEM, LA CROSSE COUNTY ZONE, NAD83/91 ADJUSTMENT, THE COORDINATES SHOWN ARE GROUND COORDINATES.

ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2, UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

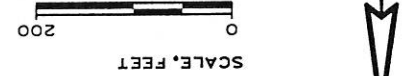
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

PROPERTY LINES SHOWN ON THIS MAP ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATION LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING OCCUPATION LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

R/W POINT COORDINATES

Point	X	Y	Point	X	Y
Pt. 200	720,860.923	720,857.130	Pt. 207	720,854.705	720,851.130
Pt. 201	720,855.553	720,854.705	Pt. 208	720,851.130	720,851.130
Pt. 202	720,879.812	720,851.130	Pt. 209	720,879.812	720,851.130
Pt. 203	720,877.875	720,851.130	Pt. 210	720,879.812	720,851.130
Pt. 204	720,852.149	720,851.130	Pt. 211	720,852.149	720,851.130
Pt. 205	720,820.375	720,851.130	Pt. 212	720,852.149	720,851.130
Pt. 206	720,818.037	720,851.130	Pt. 213	720,818.037	720,851.130



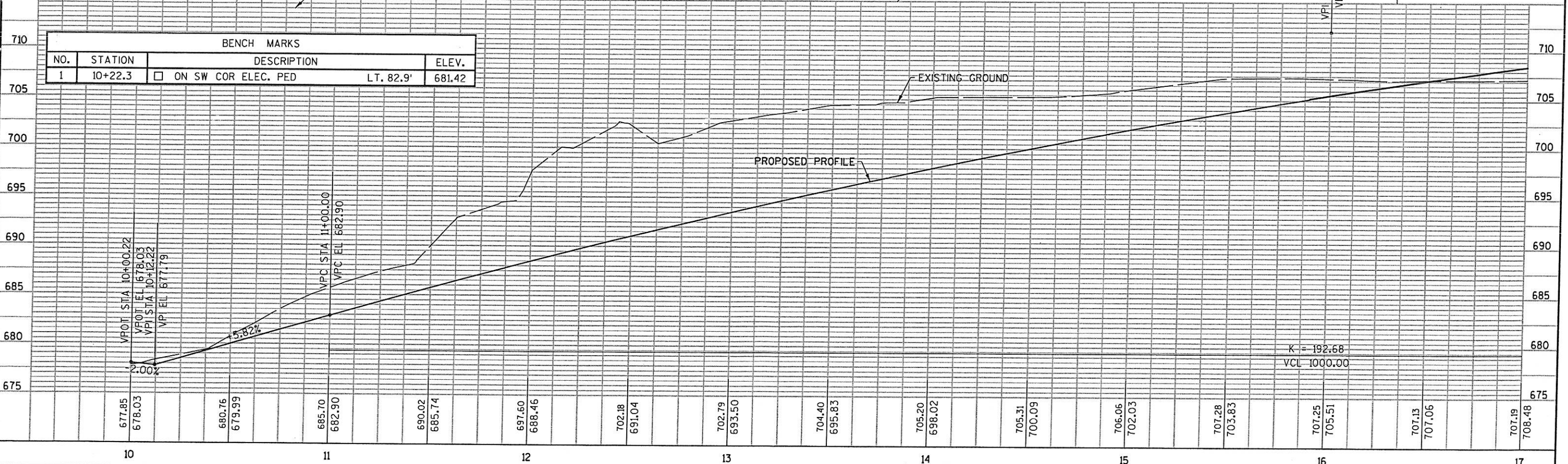
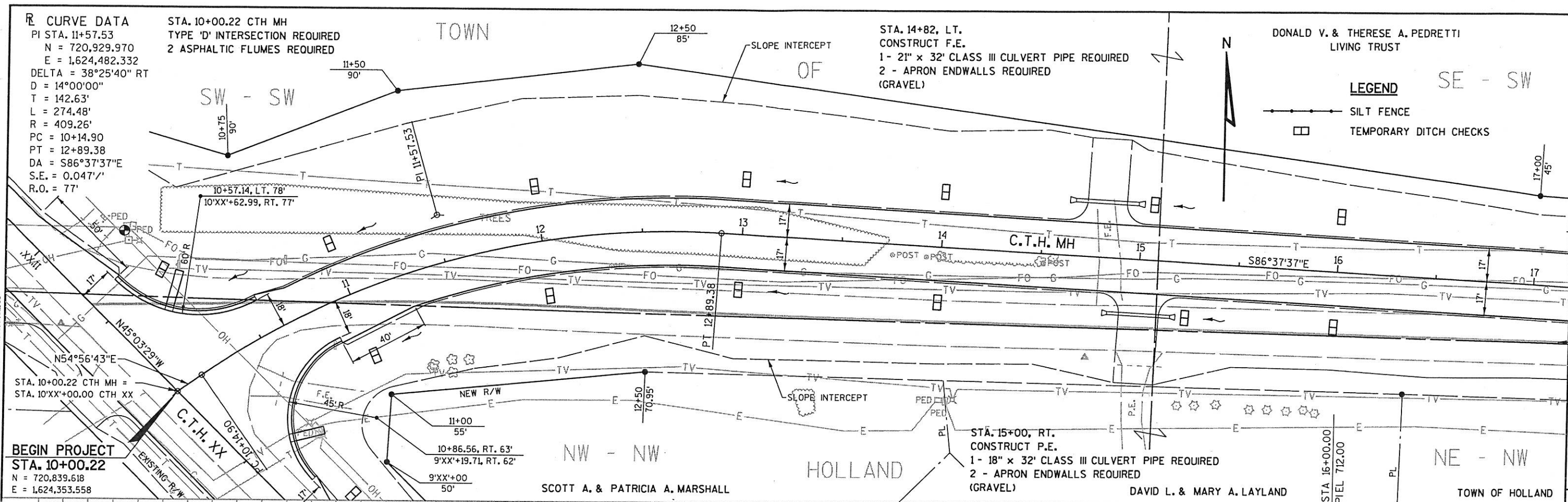
CURVE DATA
 PI STA. 11+57.53
 N = 720,929.970
 E = 1,624,482.332
 DELTA = 38°25'40" RT
 D = 14°00'00"
 T = 142.63'
 L = 274.48'
 R = 409.26'
 PC = 10+14.90
 PT = 12+89.38
 DA = S86°37'37"E
 S.E. = 0.047'/'
 R.O. = 77'

STA. 10+00.22 CTH MH
 TYPE 'D' INTERSECTION REQUIRED
 2 ASPHALTIC FLUMES REQUIRED

STA. 14+82, LT.
 CONSTRUCT F.E.
 1 - 21" x 32' CLASS III CULVERT PIPE REQUIRED
 2 - APRON ENDWALLS REQUIRED
 (GRAVEL)

DONALD V. & THERESE A. PEDRETTI
 LIVING TRUST

LEGEND
 SE - SW
 —●— SILT FENCE
 □ TEMPORARY DITCH CHECKS



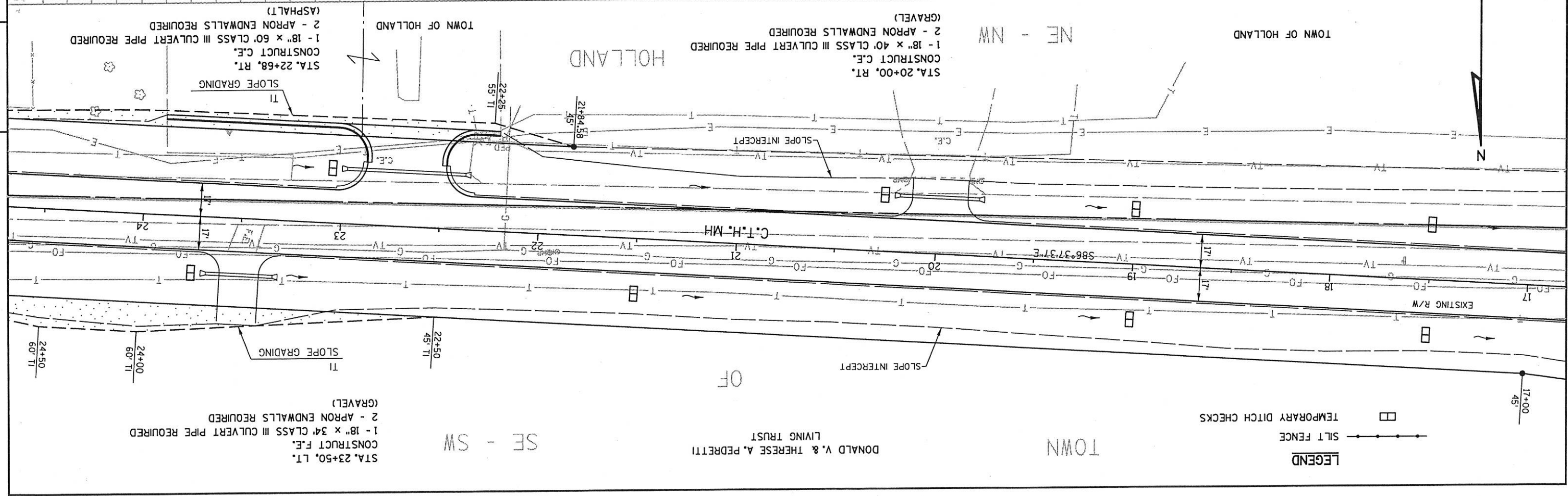
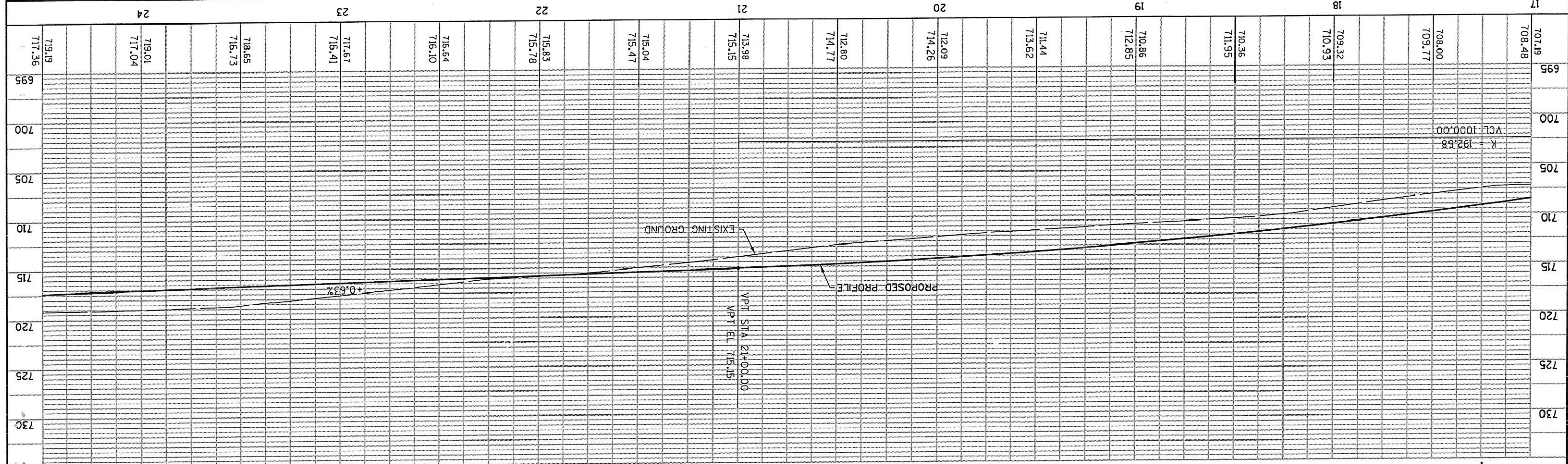
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	10+22.3	□ ON SW COR ELEC. PED	LT. 82.9' 681.42

ELEVATIONS ON 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

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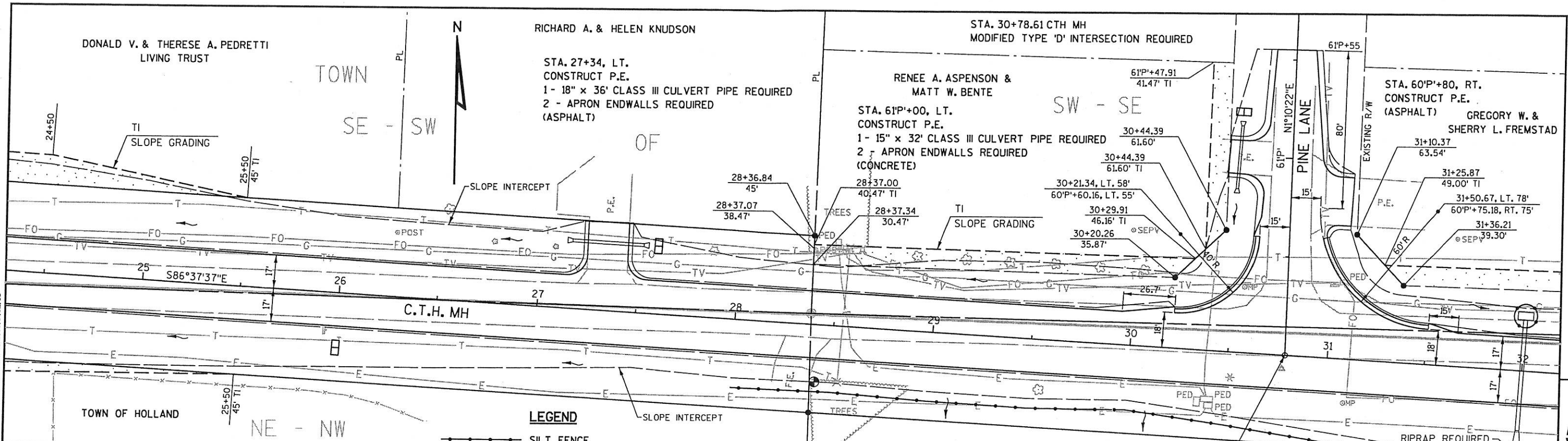
FILE NAME : G:\v01022k\CTHMH\050102_pp.dgn PLOT DATE : 2/20/2004

STATE PROJECT NUMBER: N/A HWY: CTH MH COUNTY: LA CROSSE PLAN & PROFILE MAINLINE SCALE, FEET SHEET NO: 5.2



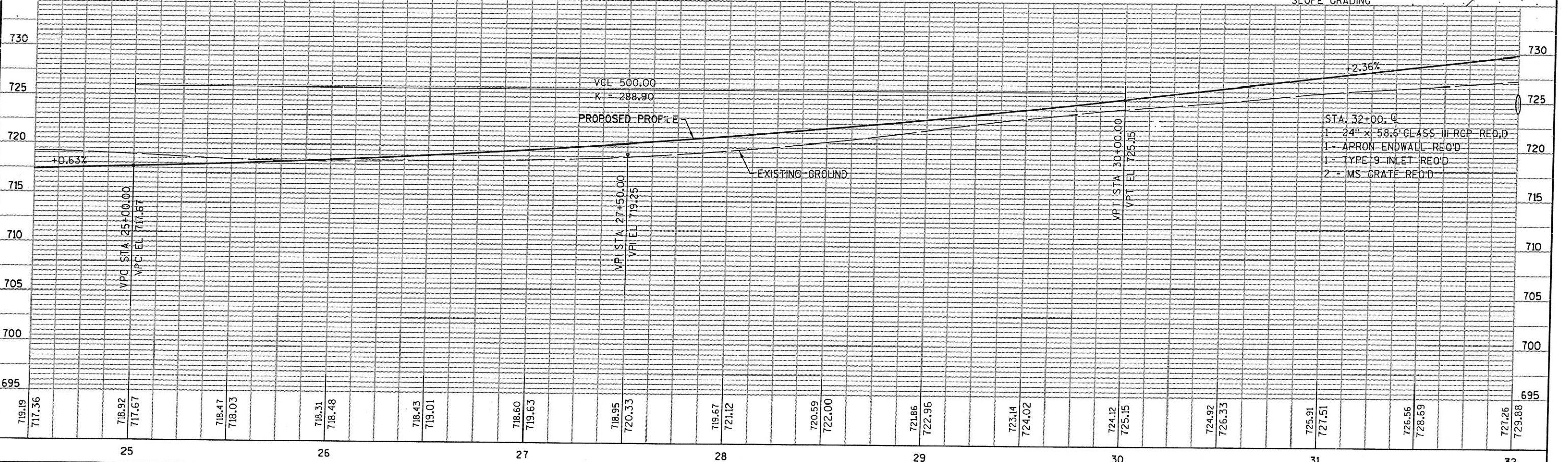
51

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
2	28+42.3	60d NAIL IN 8" ELM	719.48

- LEGEND**
- SILT FENCE
 - TEMPORARY DITCH CHECKS
 - INLET PROTECTION TYPE D



STATE PROJECT NUMBER: N/A	HWY: CTH MH	COUNTY: LA CROSSE	PLAN & PROFILE MAINLINE	SCALE, FEET	SHEET NO: 5.3	E
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FILE NAME : G:\caice2k\CTHMH\050103_pp.dgn

PLOT DATE : 2/20/2004

MEAD & HUNT

ROBERT E. & JOANNE L. STENDALEN

TOWN

HOLLY G. HEITZ & WILLIAM K. HOLLOWAY

PETER J. & BARBARA J. PUTNAM

DIRK A. WOLFF

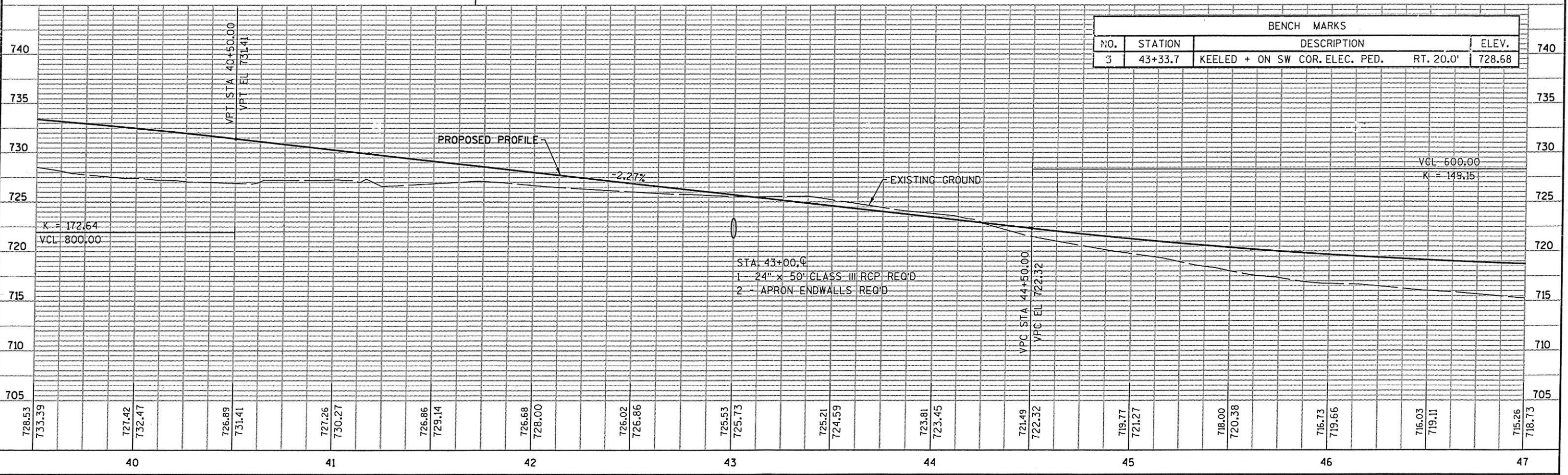
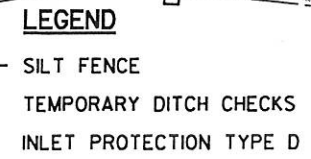
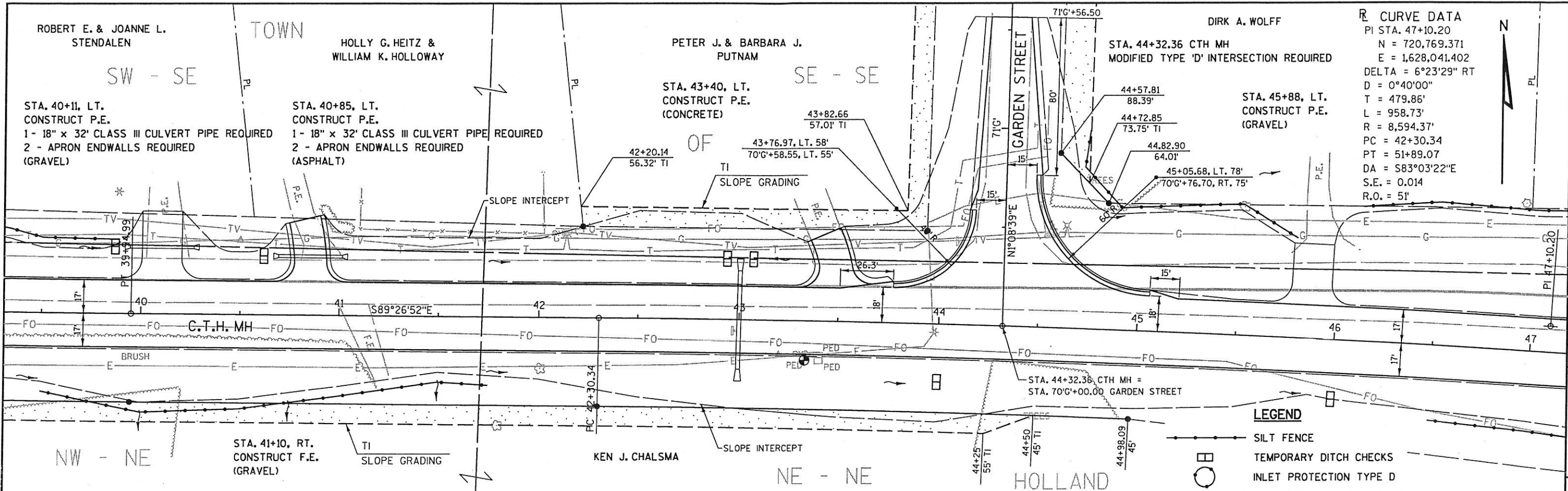
RIGHT CURVE DATA
 PI STA. 47+10.20
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 E = 1,628,041.402
 DELTA = 6°23'29" RT
 D = 0°40'00"
 T = 479.86'
 L = 958.73'
 R = 8,594.37'
 PC = 42+30.34
 PT = 51+89.07
 DA = S83°03'22"E
 S.E. = 0.014
 R.O. = 5'

SW - SE
 STA. 40+11, LT.
 CONSTRUCT P.E.
 1 - 18" x 32' CLASS III CULVERT PIPE REQUIRED
 2 - APRON ENDWALLS REQUIRED (GRAVEL)

STA. 40+85, LT.
 CONSTRUCT P.E.
 1 - 18" x 32' CLASS III CULVERT PIPE REQUIRED
 2 - APRON ENDWALLS REQUIRED (ASPHALT)

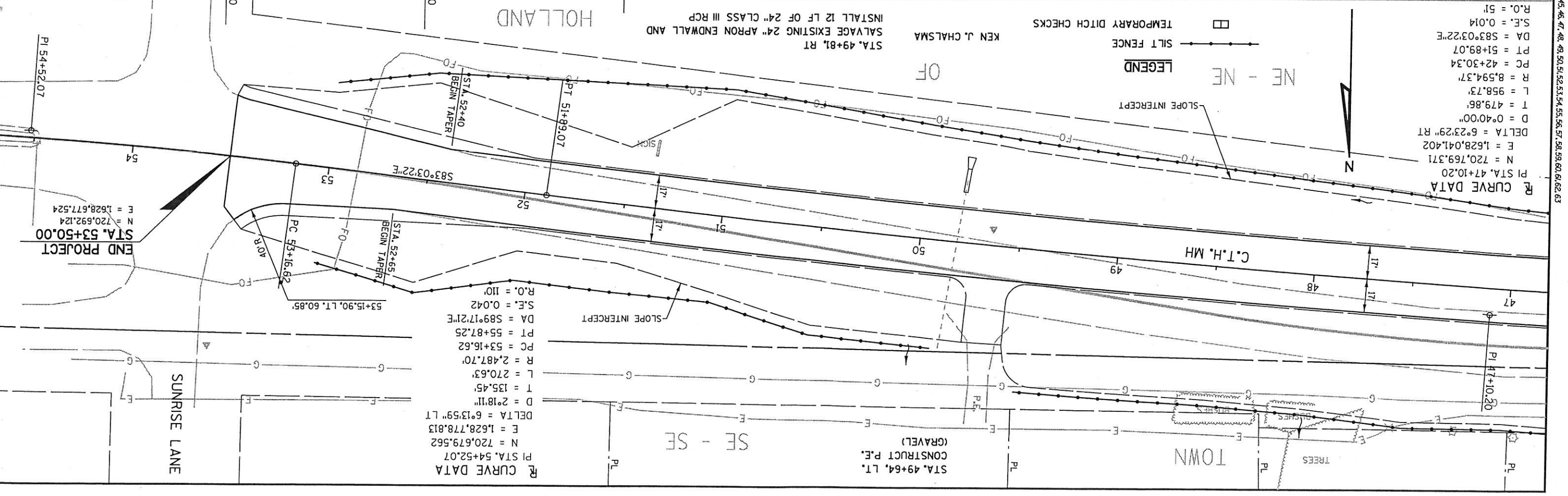
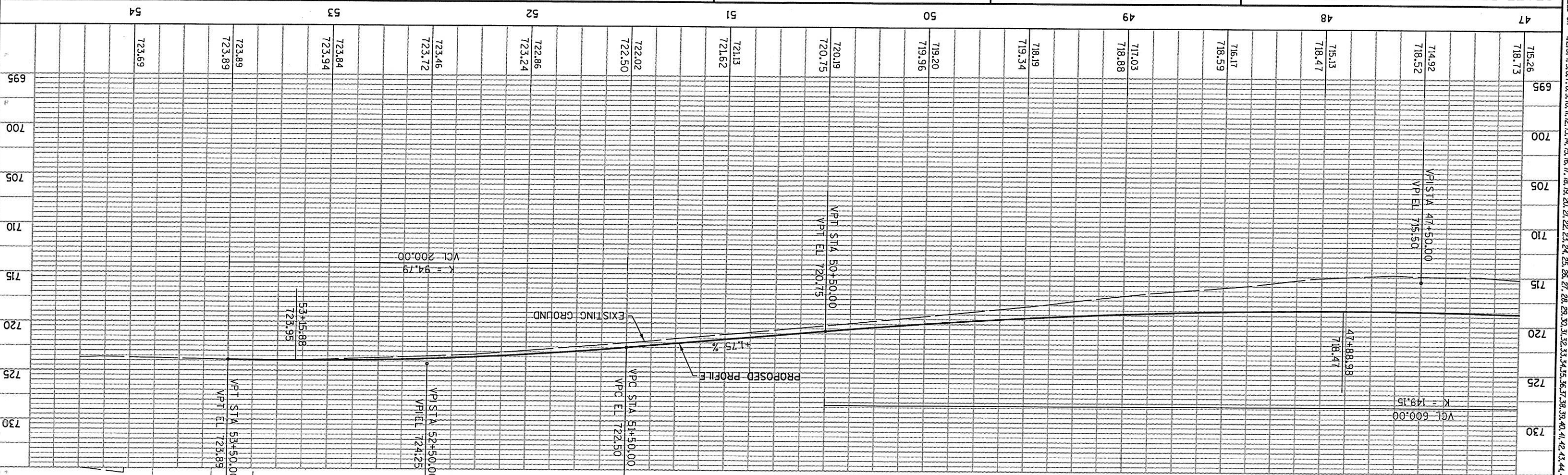
SE - SE
 STA. 43+40, LT.
 CONSTRUCT P.E.
 (CONCRETE)

STA. 45+88, LT.
 CONSTRUCT P.E.
 (GRAVEL)



LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



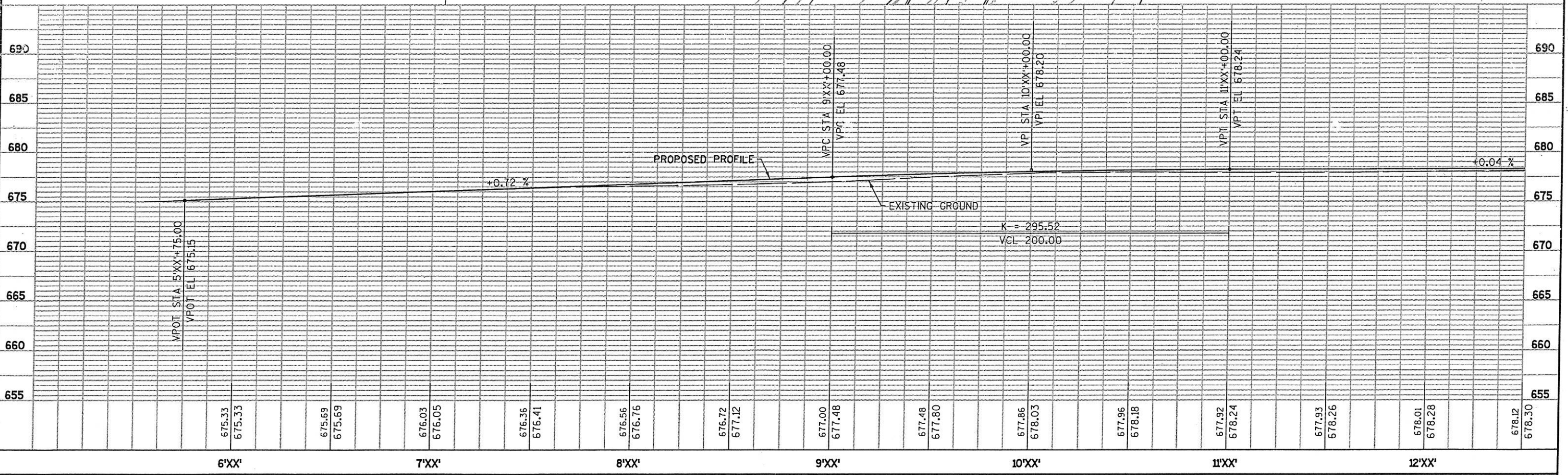
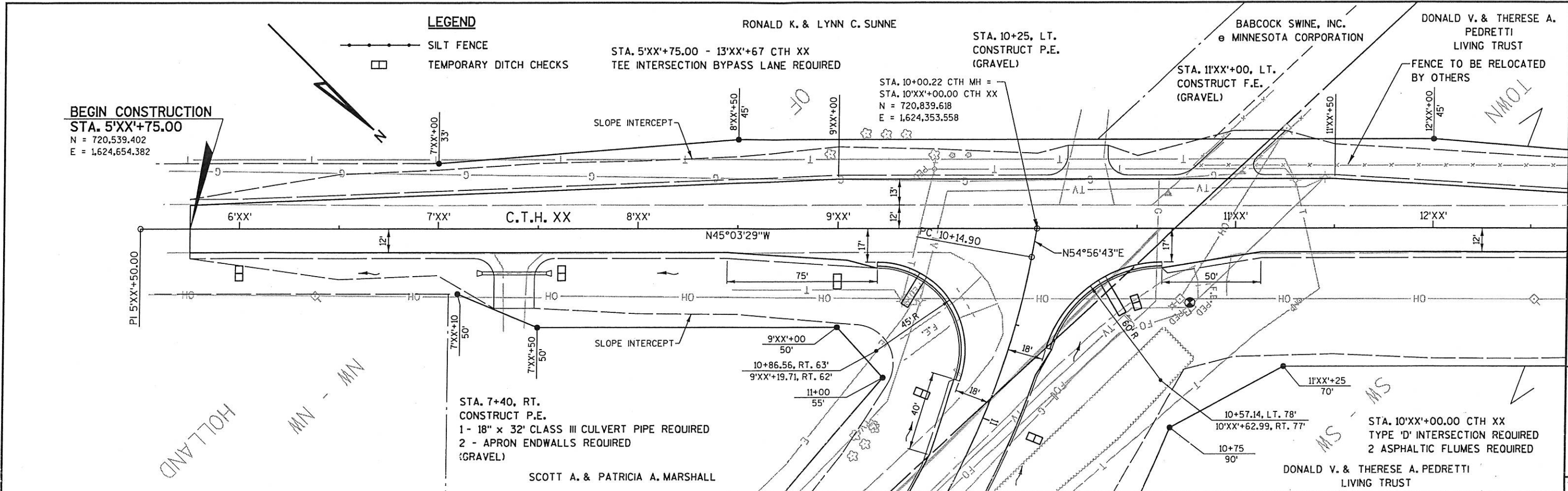
R CURVE DATA
 PI STA. 47+10.20
 N = 720.769,371
 E = 1,628,041,402
 DELTA = 6°23'29" RT
 D = 0°40'00"
 T = 479.86
 L = 958.73
 R = 8,594.37
 PC = 42+30.34
 PT = 51+89.07
 DA = 583°03'22"E
 S.E. = 0.014
 R.O. = 51'

R CURVE DATA
 PI STA. 54+52.07
 N = 720,679,562
 E = 1,628,778,813
 DELTA = 6°13'59" LT
 D = 2°18'11"
 T = 135.45
 L = 270.63
 R = 2,487.70
 PC = 53+16.62
 PT = 55+87.25
 DA = 589°17'21"E
 S.E. = 0.042
 R.O. = 110'

LEGEND

- SILT FENCE
- SLOPE INTERCEPT
- TEMPORARY DITCH CHECKS

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER: N/A HWY: CTH MH COUNTY: LA CROSSE PLAN & PROFILE CTH XX SCALE, FEET 0 50 SHEET NO: 5.7 E

LEBENS ON * 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

STATE PROJECT NUMBER: N/A

HWY: CTH MH

COUNTY: LA CROSSE

PLAN & PROFILE CTH XX

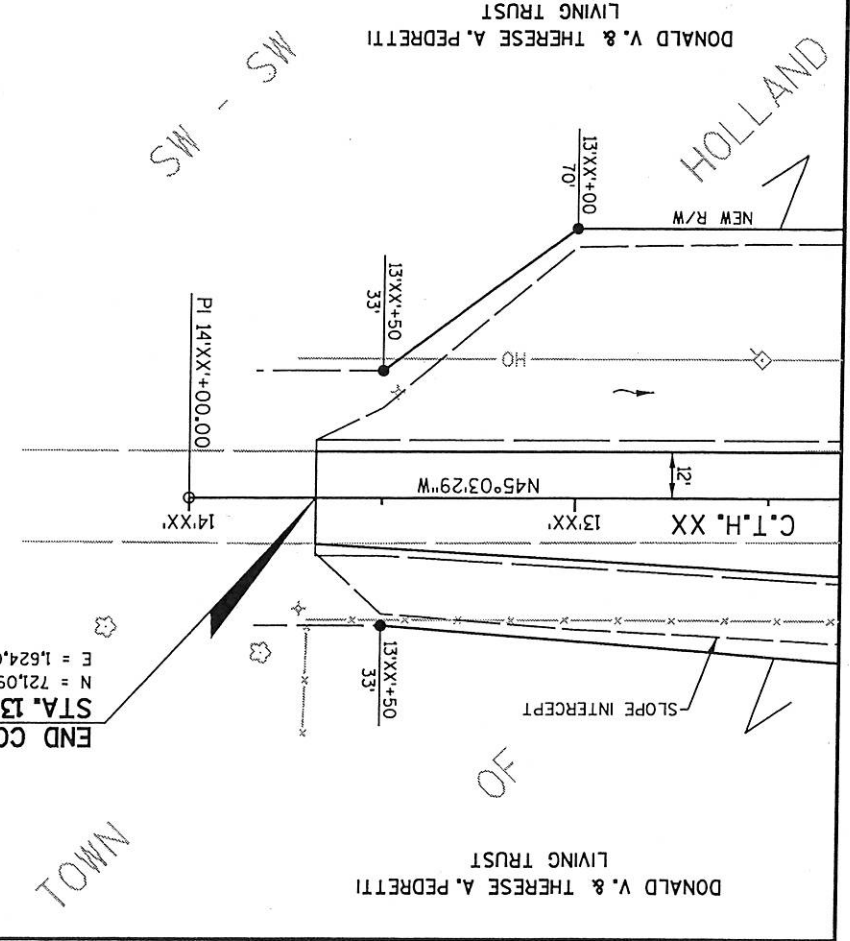
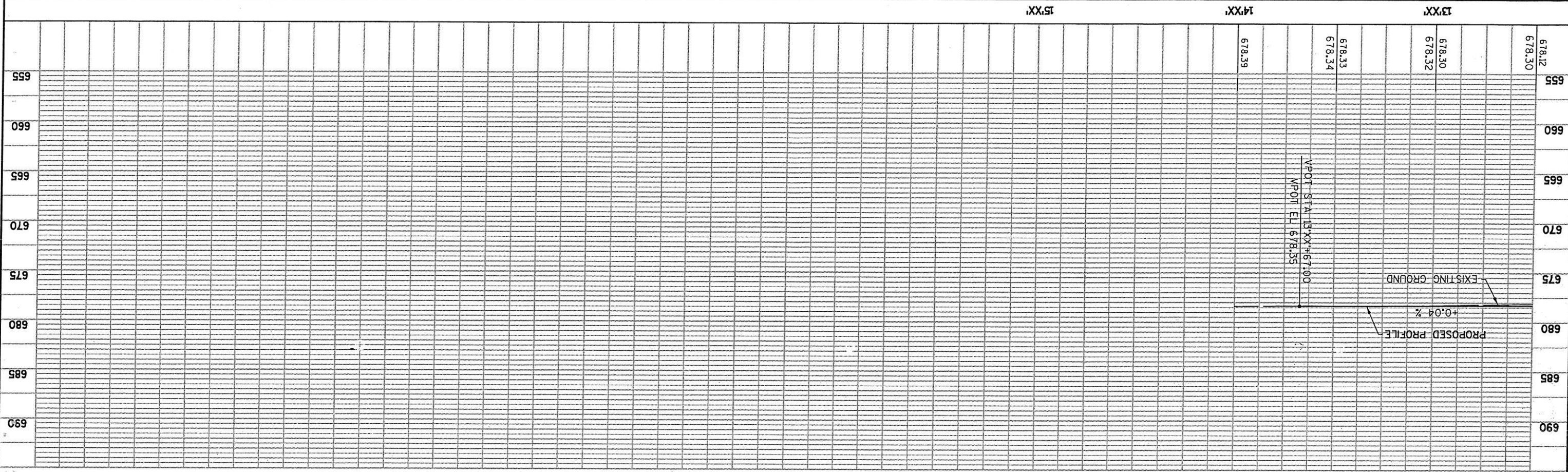
SCALE, FEET

SHEET NO: 5.8

FILE NAME : C:\cadd\2k\CTHMH\050108-PP.dgn

PLOT DATE : 2/20/2004

MEAD & HUNT

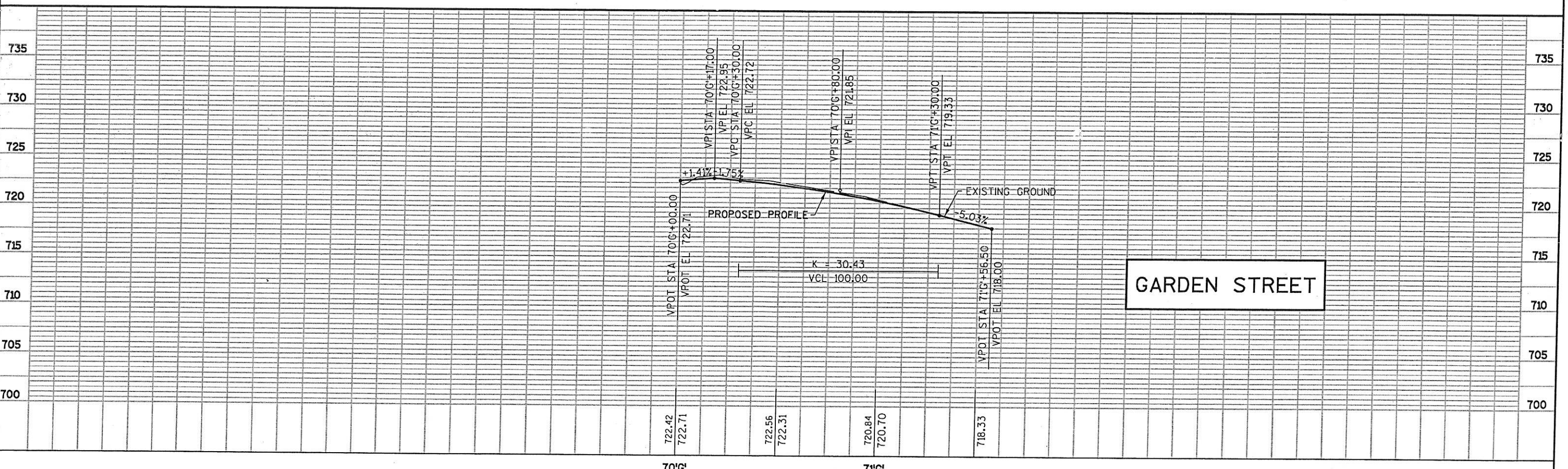
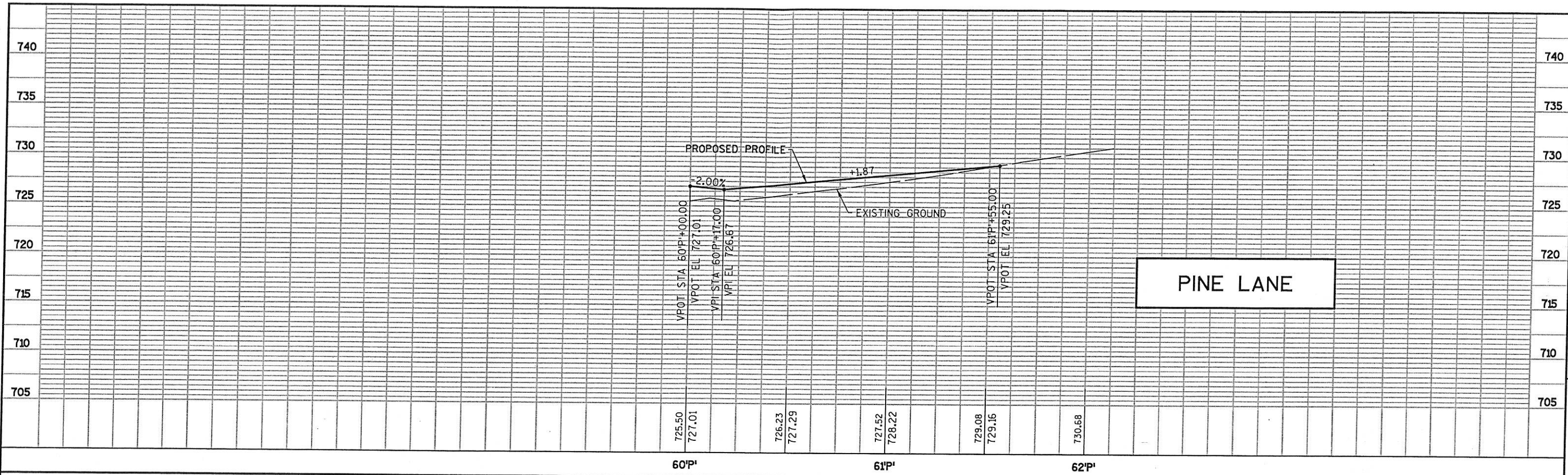


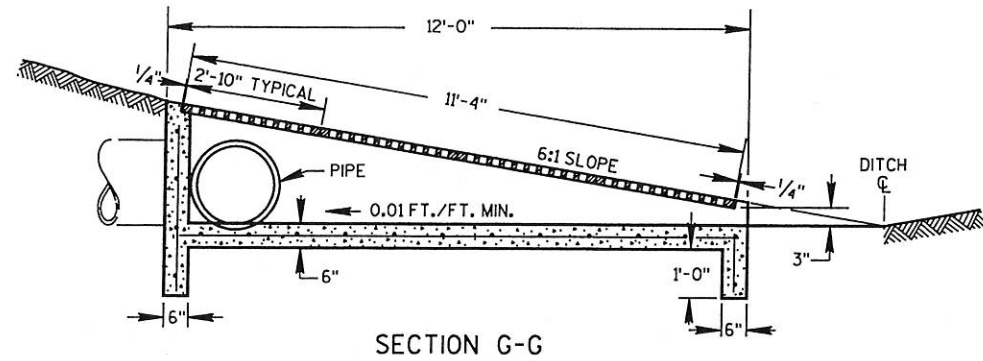
LEGEND
 SILT FENCE
 TEMPORARY DITCH CHECKS

END CONSTRUCTION
 STA. 13'XX'+67.00
 N = 721,098.864
 E = 1,624,093.787

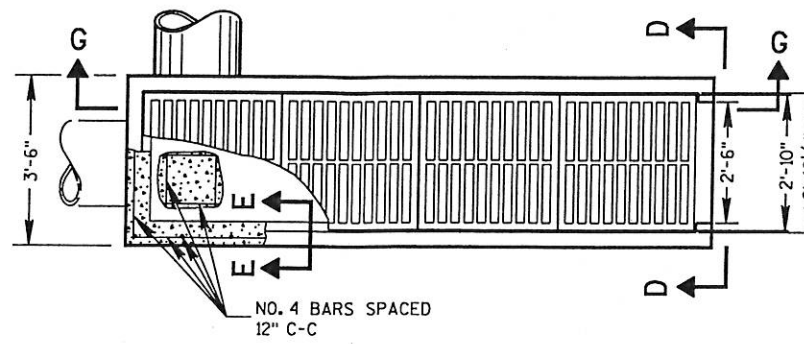
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LEVELS ON = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



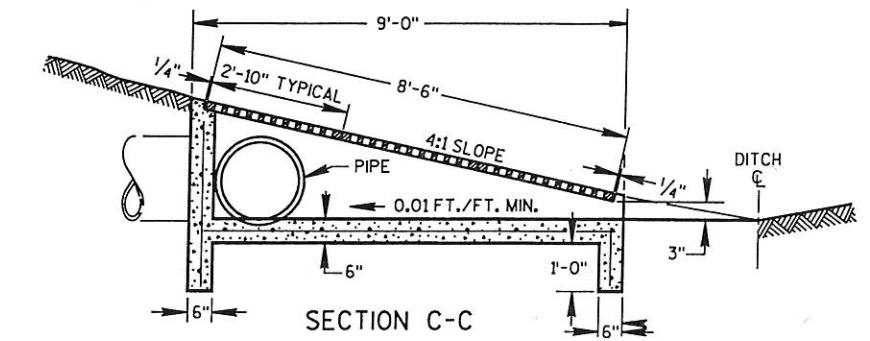


SECTION G-G

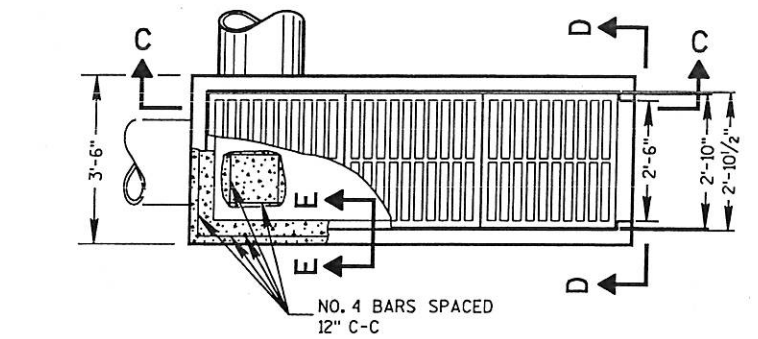


PLAN VIEW

REINFORCED CONCRETE INLET TYPE 11

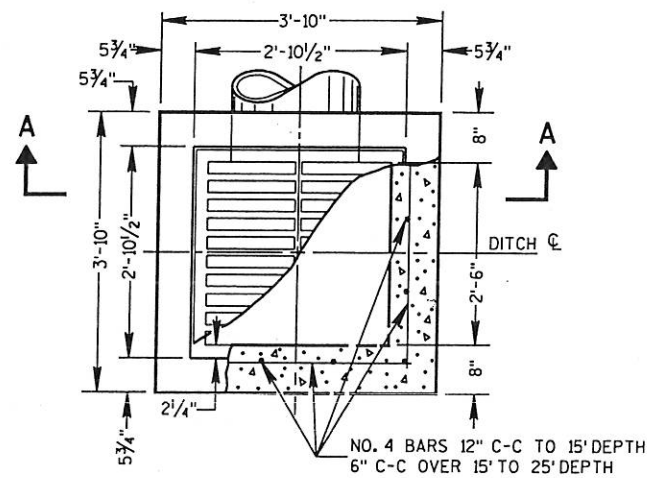


SECTION C-C

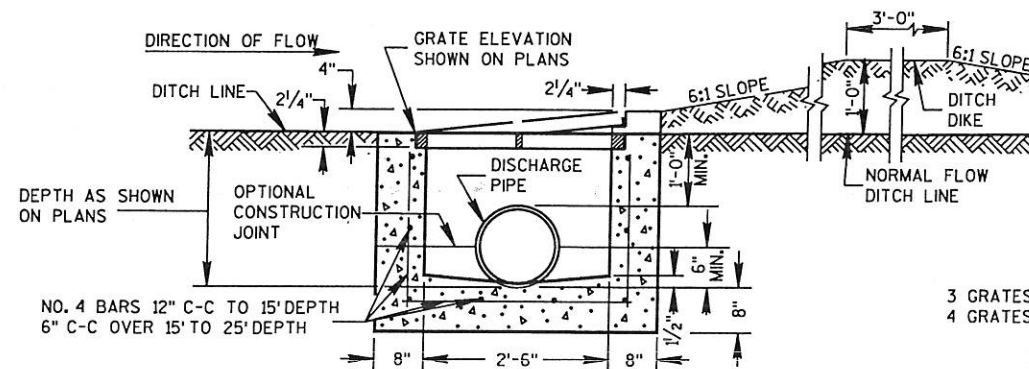


PLAN VIEW

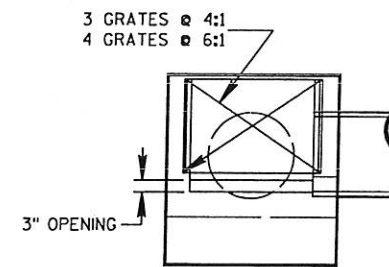
REINFORCED CONCRETE INLET TYPE 10



PLAN VIEW

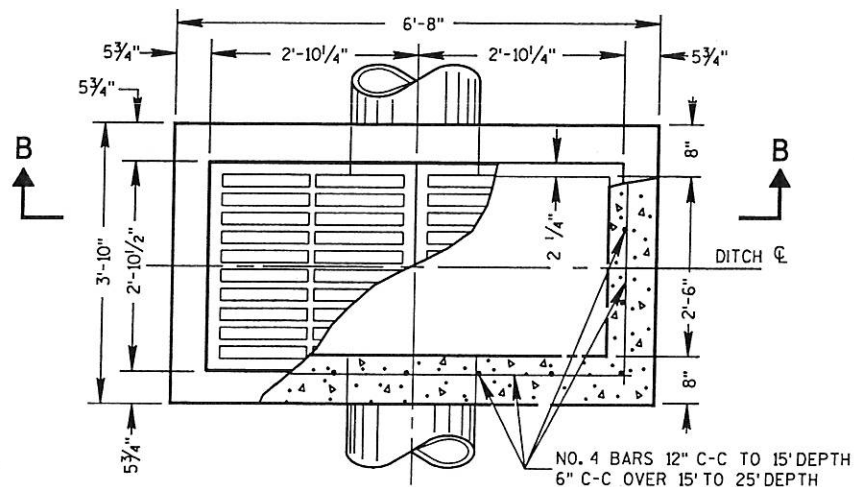


SECTION A-A

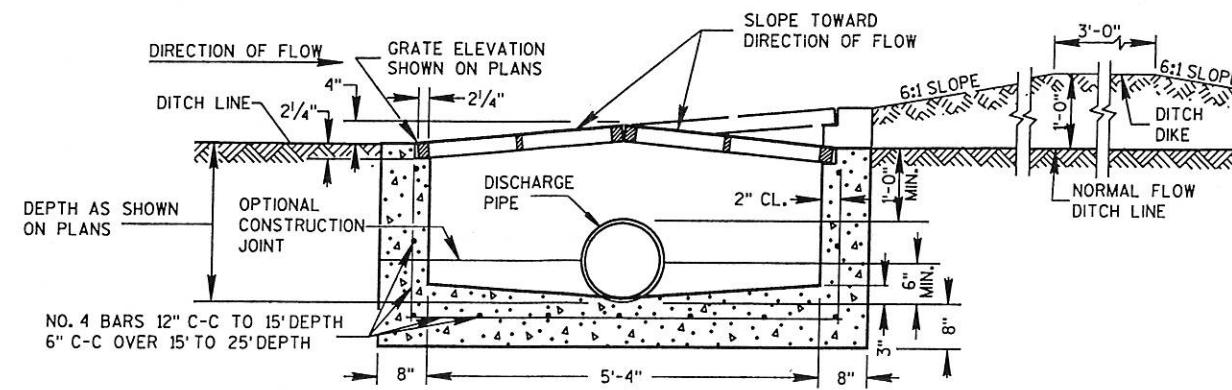


SECTION D-D

REINFORCED CONCRETE INLET TYPE 8

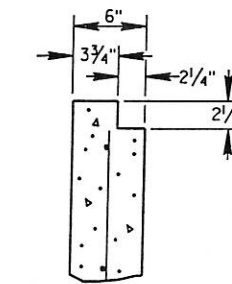


PLAN VIEW



SECTION B-B

REINFORCED CONCRETE INLET TYPE 9



SECTION E-E

INLETS TYPE 8, 9, 10 AND 11

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

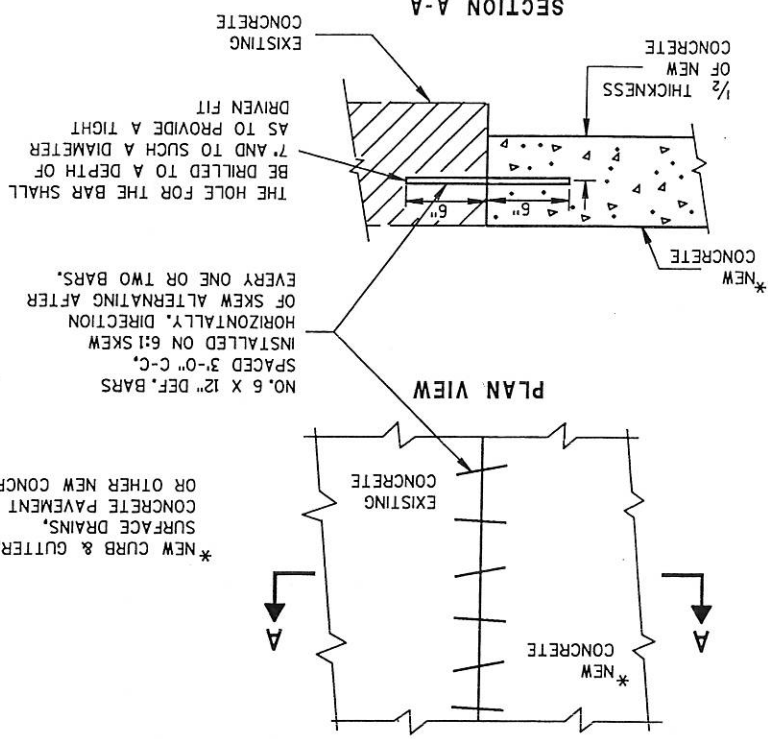
DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

PRECAST REINFORCED CONCRETE INLET UNITS, IF USED, SHALL CONFORM TO THE REQUIREMENTS OF THE CATCH BASINS, MANHOLES AND INLETS SECTION OF THE STANDARD SPECIFICATIONS. UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A CORRECTED LIST OF SIZES IS FURNISHED BY THE ENGINEER.

ALL INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 8-MS", ETC. THIS DESIGNATION IS INTERPRETED TO MEAN THAT THE NUMBER, OR FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER OR IRON CASTING TO BE USED THEREWITH TO COMPRISE THE COMPLETE UNIT.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

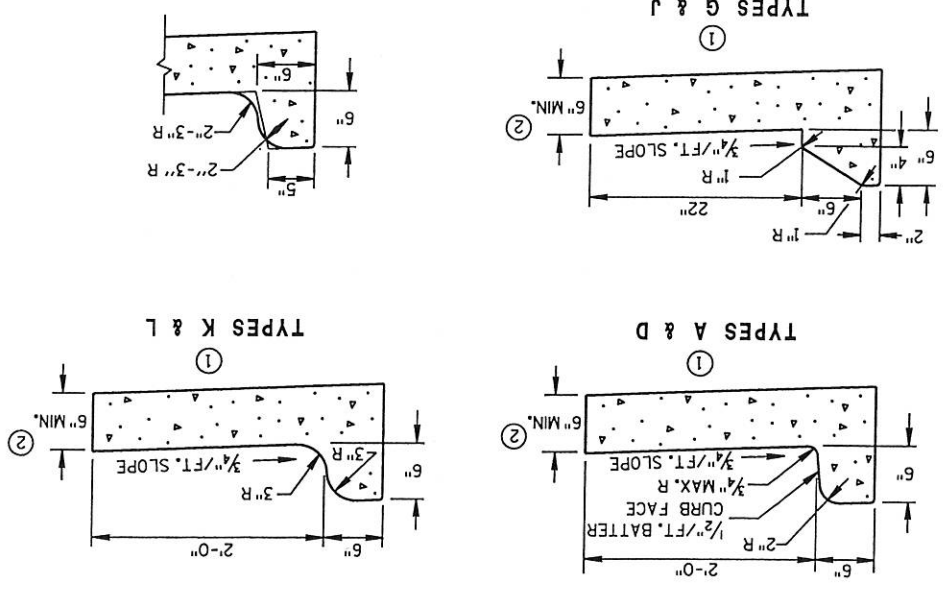
PAVEMENT TIES



*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

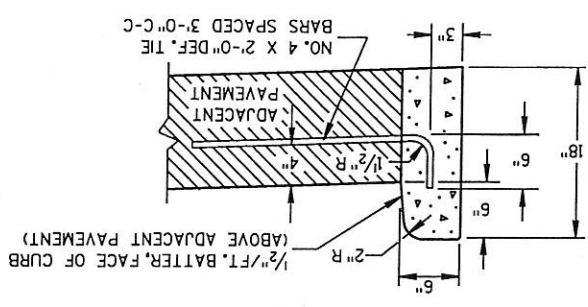
CONCRETE CURB & GUTTER 30"

FOR TYPES K & L
OPTIONAL CURB SHAPE

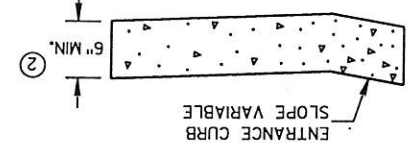


CONCRETE CURB

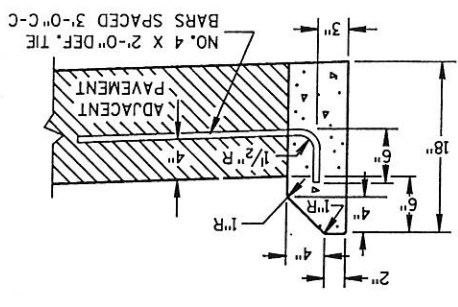
TYPES A & D



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

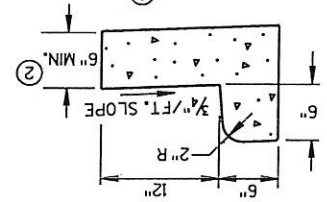


TYPES G & J

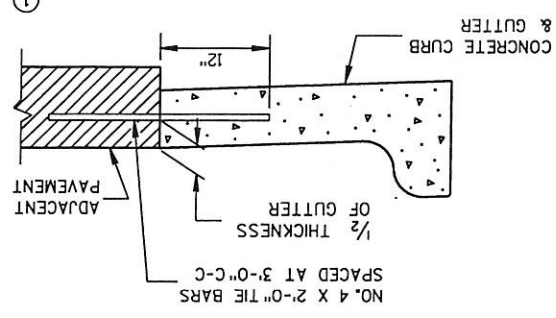


CONCRETE CURB & GUTTER 18"

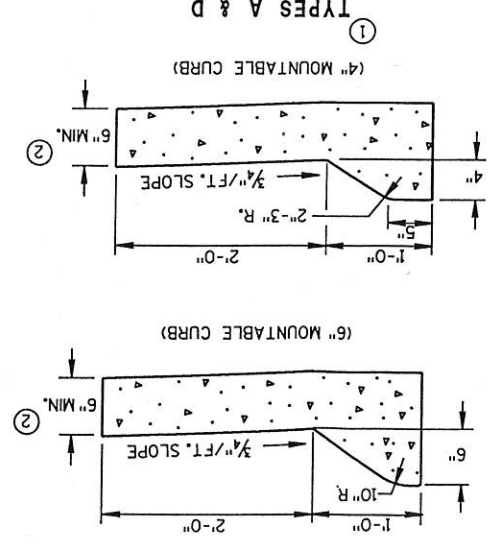
TYPES A & D



TYPICAL TIE BAR LOCATION

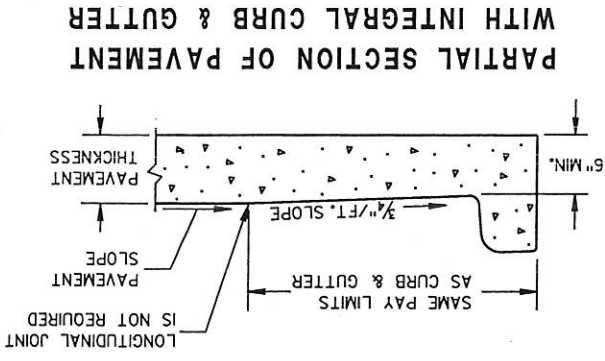


CONCRETE CURB & GUTTER 36"

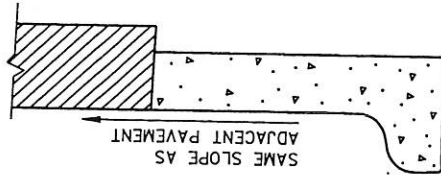


GENERAL NOTES

- 1 THE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G AND K.
- 2 UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.
- 3 WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

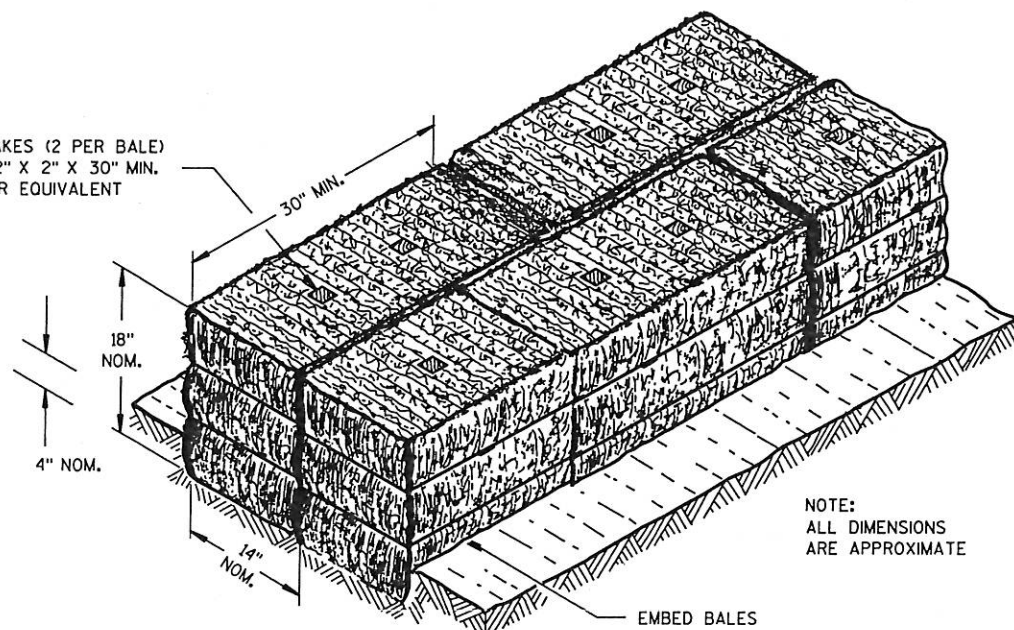


REVERSE SLOPE GUTTER
(TYPICAL FOR ALL CURB & GUTTER TYPES)



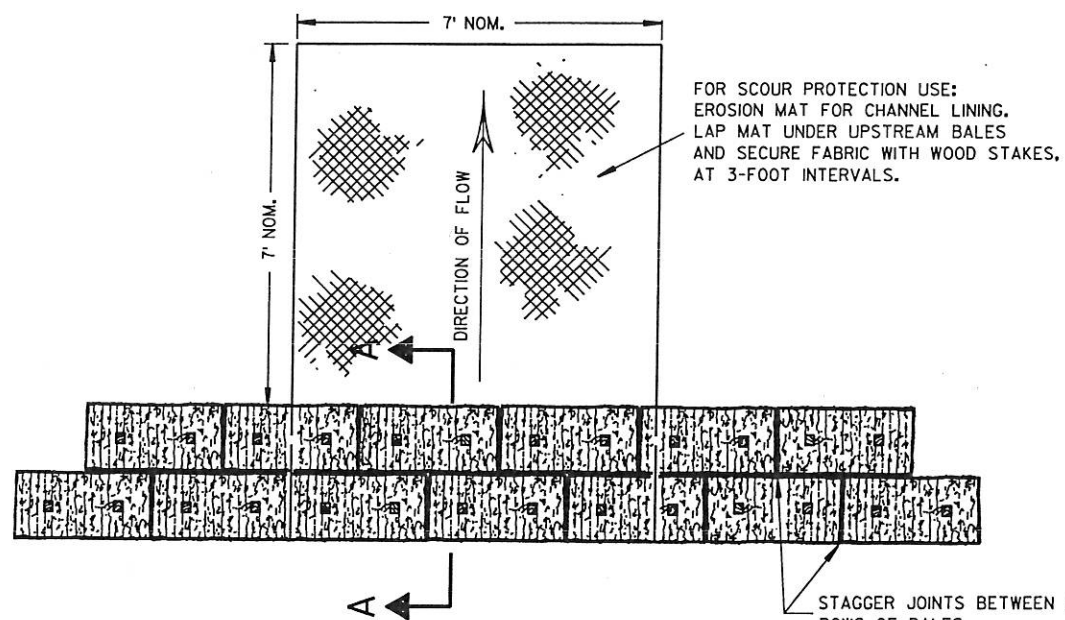
CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES

WOOD STAKES (2 PER BALE)
NOMINAL 2" X 2" X 30" MIN.
LENGTH OR EQUIVALENT



NOTE:
ALL DIMENSIONS
ARE APPROXIMATE

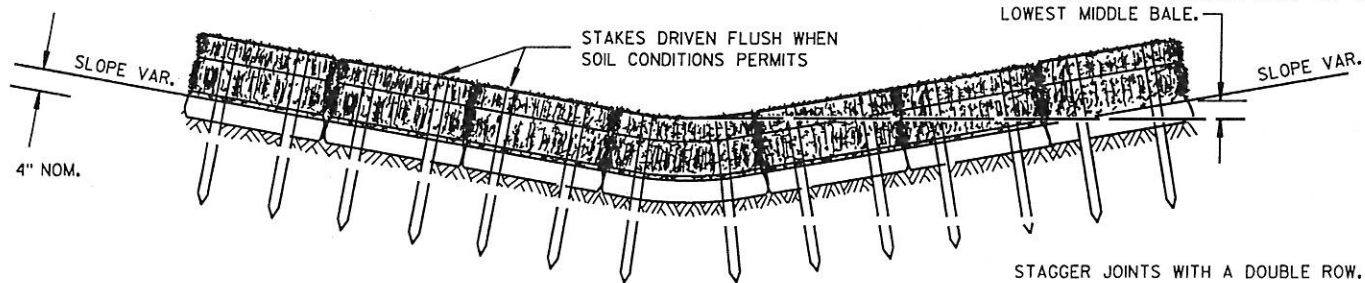
SECTION A-A



PLAN VIEW

STAGGER JOINTS BETWEEN ADJACENT
ROWS OF BALES.

BOTTOM ELEVATION OF END BALE SHALL
BE EQUAL TO OR GREATER THAN TOP OF
LOWEST MIDDLE BALE.



FRONT ELEVATION

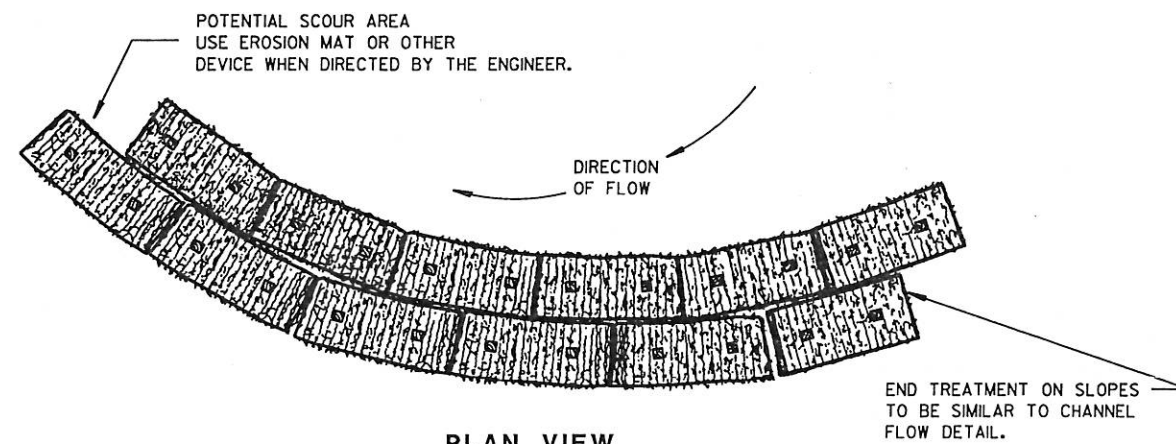
STAGGER JOINTS WITH A DOUBLE ROW.

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

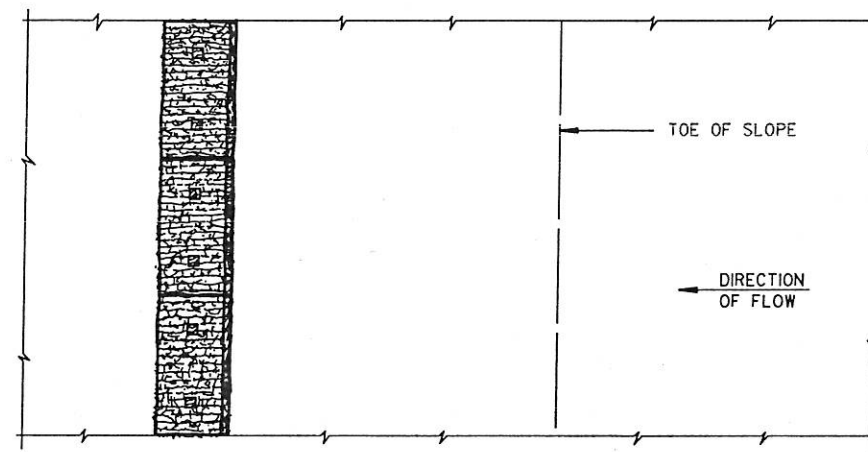
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

- ① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

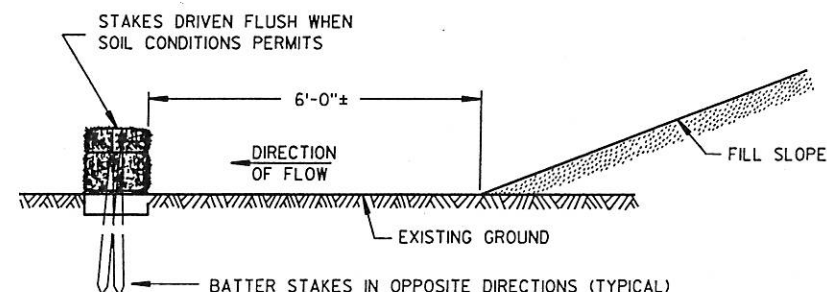


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

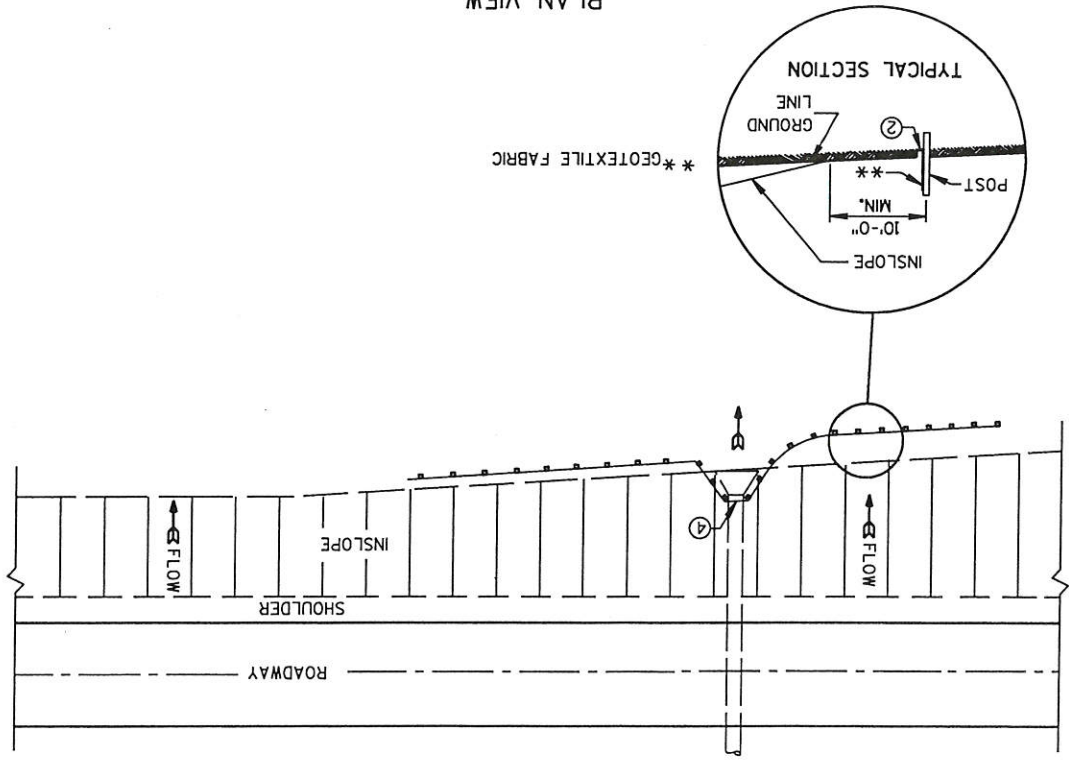
WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF
EROSION BALES / TEMPORARY
DITCH CHECKS

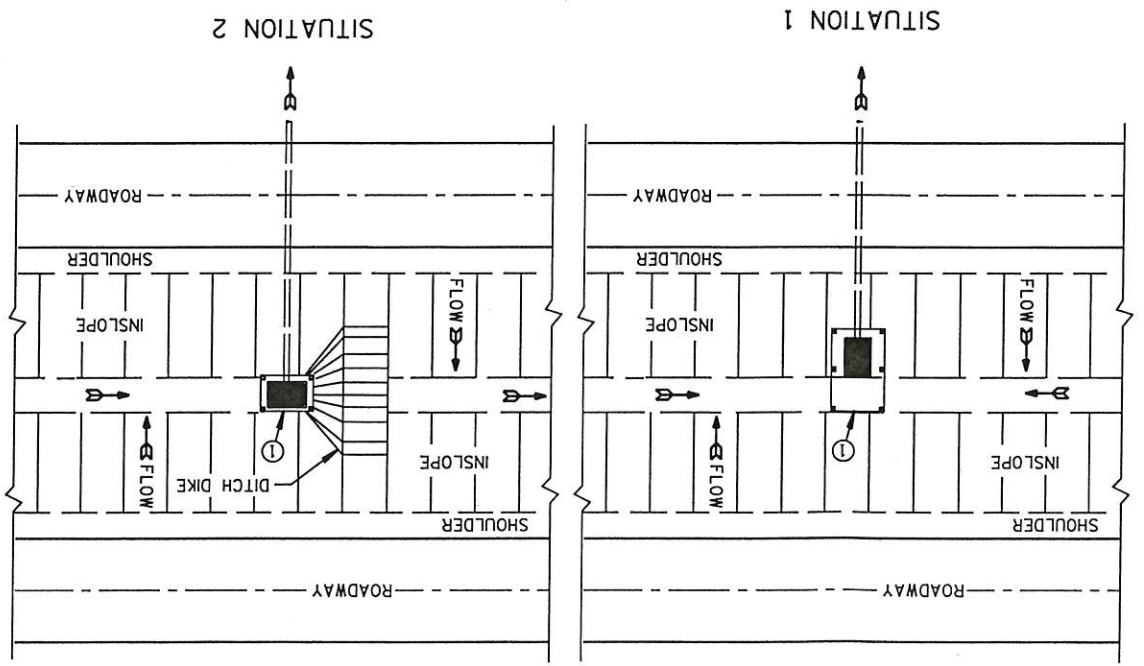
TYPICAL APPLICATION OF SILT FENCE

PLAN VIEW



SILT FENCE AT MEDIAN SURFACE DRAINS

PLAN VIEW

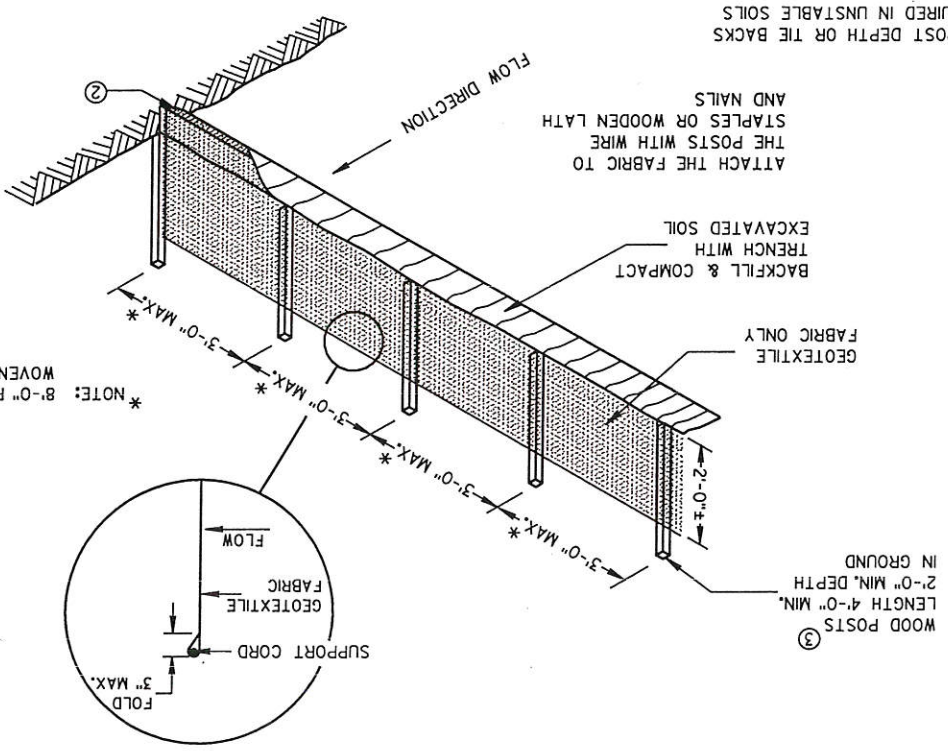


GENERAL NOTES

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

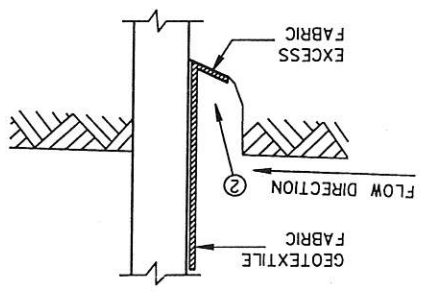
SILT FENCE



NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

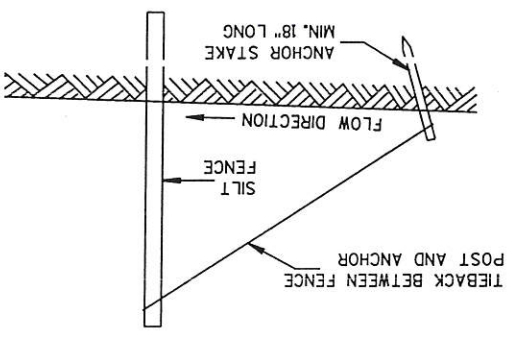
NOTE: ADDITIONAL POST DEPTH OR THE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

TRENCH DETAIL

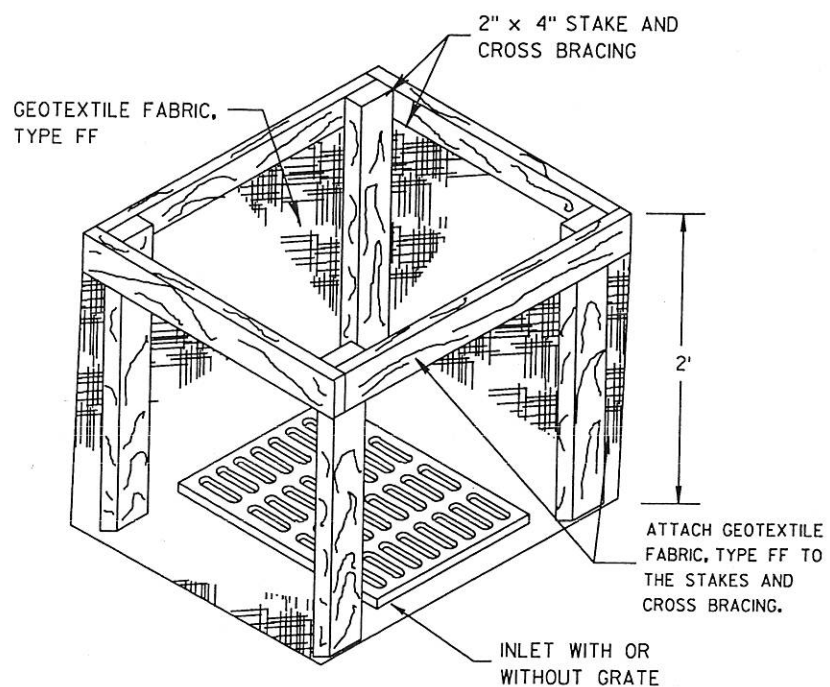
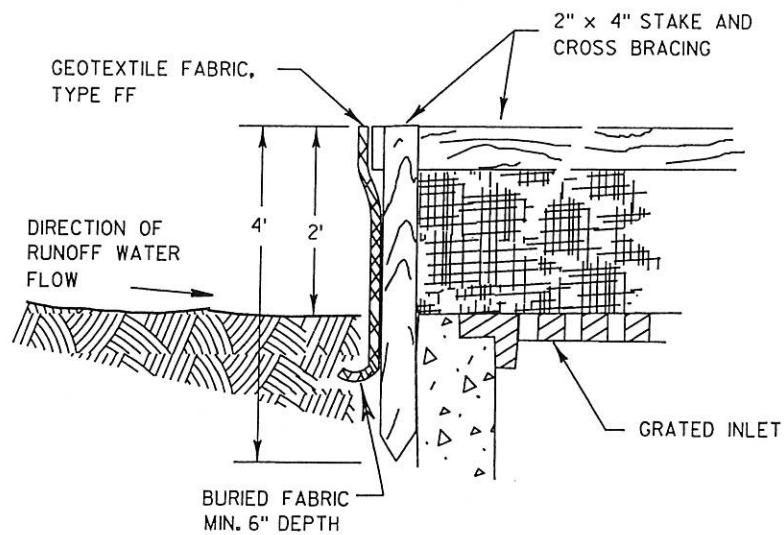


SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



SILT FENCE



INLET PROTECTION, TYPE A

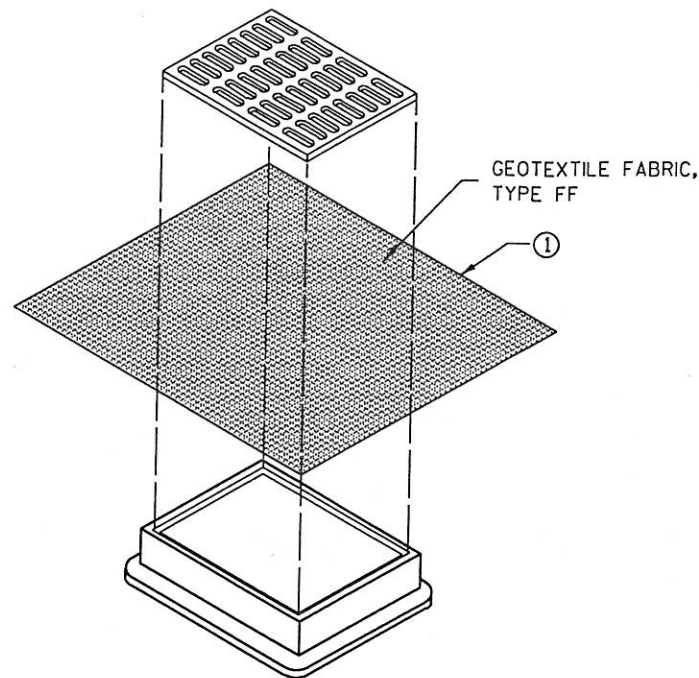
GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

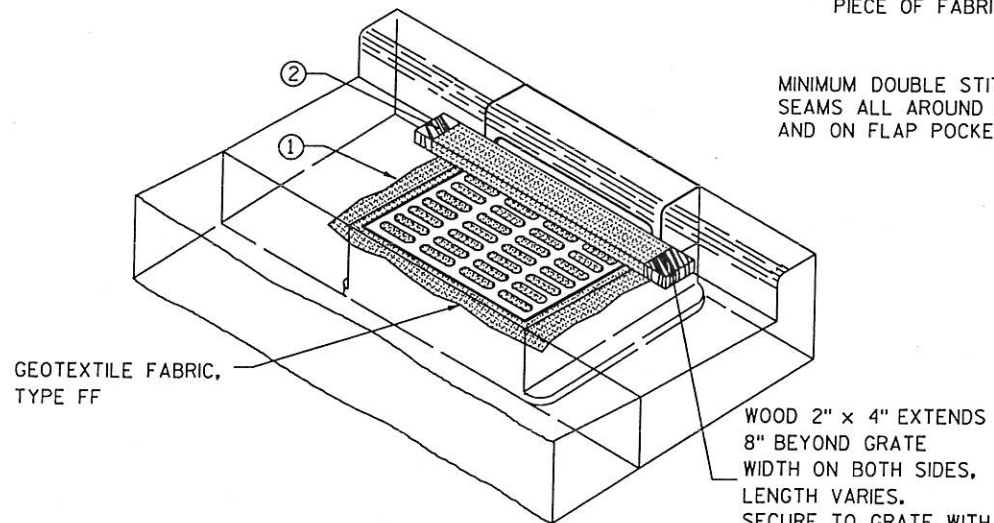
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- ① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- ③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE B (WITHOUT CURB BOX)
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

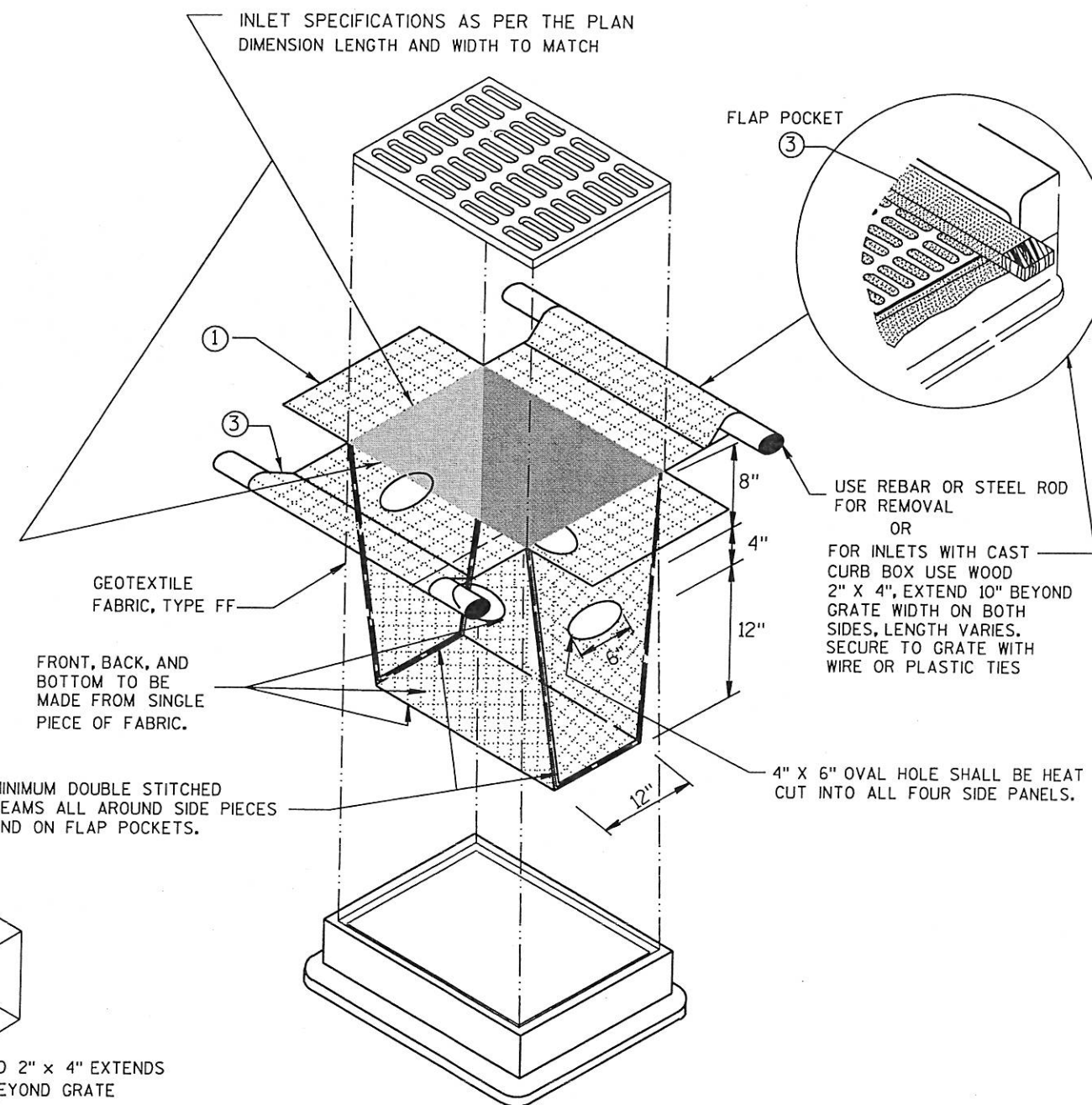
INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



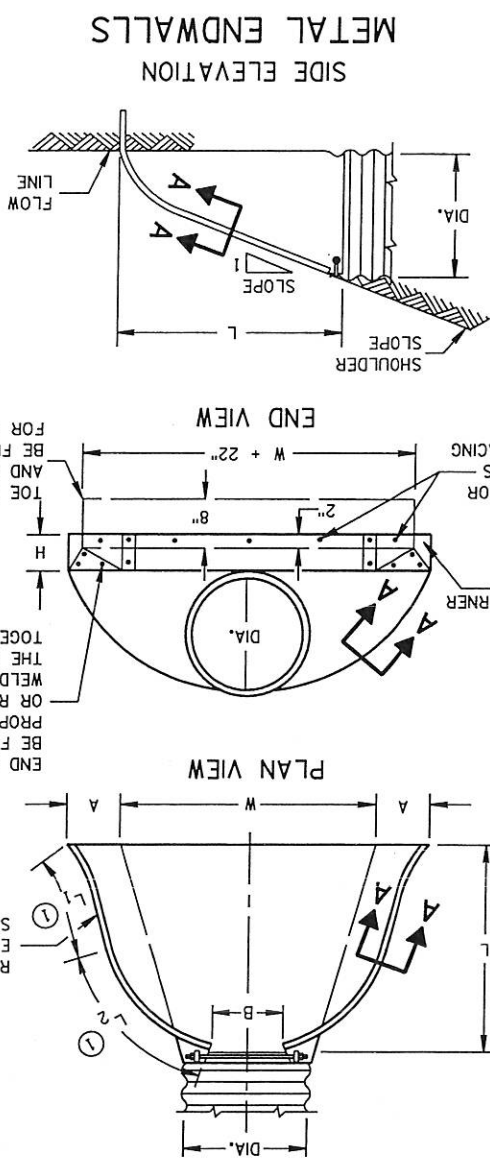
INLET PROTECTION, TYPE D
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE ②)

INLET PROTECTION
TYPE A, B, C, AND D

METAL APRON ENDWALLS

EXCEPT CENTER PANEL SEE GENERAL NOTES

PIPE DIA. (INCHES)	PIPE MIN. THICK. (INCHES)	DIMENSIONS (INCHES)				
		A	B	H	L	L1
12	.064	.060	6	6	21	12
15	.064	.060	7	8	26	14
18	.064	.060	8	10	31	15
21	.064	.060	9	12	36	18
24	.064	.075	10	13	41	18
27	.079	.075	12	16	48	21
30	.079	.075	15	18	52 1/4	24
36	.079	.105	19	24	59 3/4	30
42	.109	.105	22	28	69	36
48	.109	.105	27	34	81	42
54	.109	.105	30	40	90	48
60	.109	.105	33	46	102	54
66	.109	.105	36	52	114	60
72	.109	.105	39	58	126	66
78	.109	.105	42	64	138	72
84	.109	.105	45	70	150	78
90	.109	.105	48	76	164	84
96	.109	.105	51	82	178	90



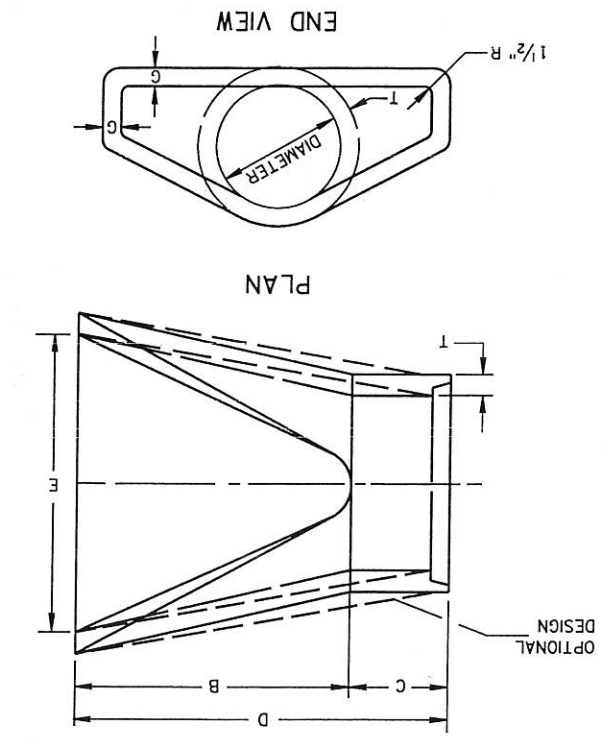
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER.

TOE PLATE (SAME THICKNESS AND METAL AS APRON) SHALL BE FURNISHED WHEN CALLED FOR ON THE PLANS.

1/8" DIA. HOLES FOR BOLTS OR RIVETS 12" C-C MAX. SPACING

REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	T	A	B	C	D	E	G	DIMENSIONS (INCHES)	
								MINIMUM	MAXIMUM
12	2	4	24	48 1/8	72 1/8	24	2	3 to 1	3 to 1
15	2 1/2	6	27	54	81	27	2 1/2	3 to 1	3 to 1
18	3	9	36	72	108	36	3	3 to 1	3 to 1
21	3 1/2	12	45	90	135	45	3 1/2	3 to 1	3 to 1
24	4	16	54	108	180	54	4	3 to 1	3 to 1
27	4 1/2	18	63	126	210	63	4 1/2	3 to 1	3 to 1
30	5	24	84	168	288	84	5	3 to 1	3 to 1
36	6	36	126	252	420	126	6	3 to 1	3 to 1
42	7	48	168	336	560	168	7	3 to 1	3 to 1
48	8	60	216	432	720	216	8	3 to 1	3 to 1
54	9	72	288	576	936	288	9	3 to 1	3 to 1
60	10	90	360	720	1152	360	10	3 to 1	3 to 1
66	11	108	432	864	1368	432	11	3 to 1	3 to 1
72	12	144	576	1152	1814	576	12	3 to 1	3 to 1
78	13	162	648	1296	2058	648	13	3 to 1	3 to 1
84	14	180	720	1440	2302	720	14	3 to 1	3 to 1
90	15	216	864	1728	2754	864	15	3 to 1	3 to 1



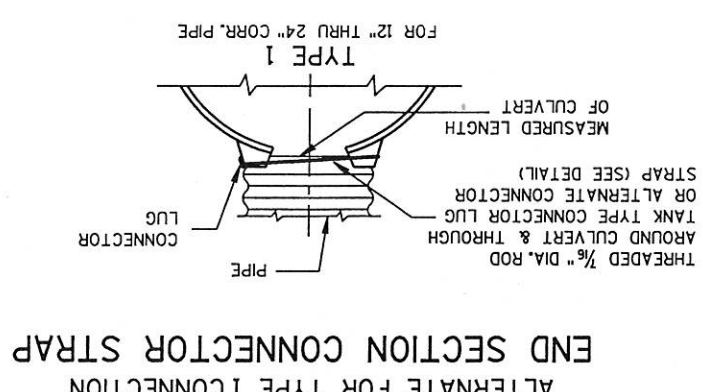
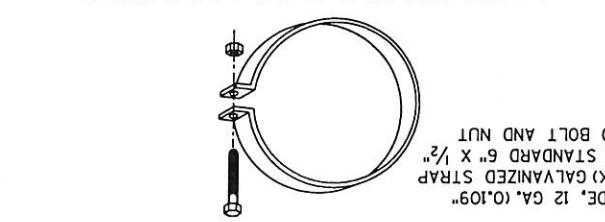
CONCRETE ENDWALLS

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5, AS APPLICABLE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5.

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.



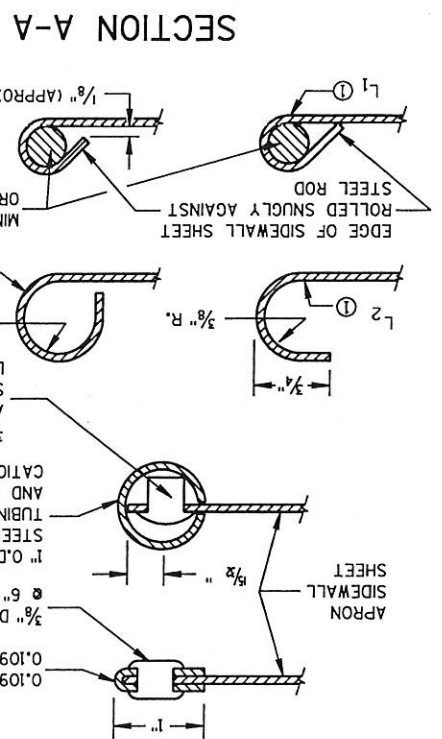
CONNECTION DETAILS

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

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NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.



GENERAL NOTES

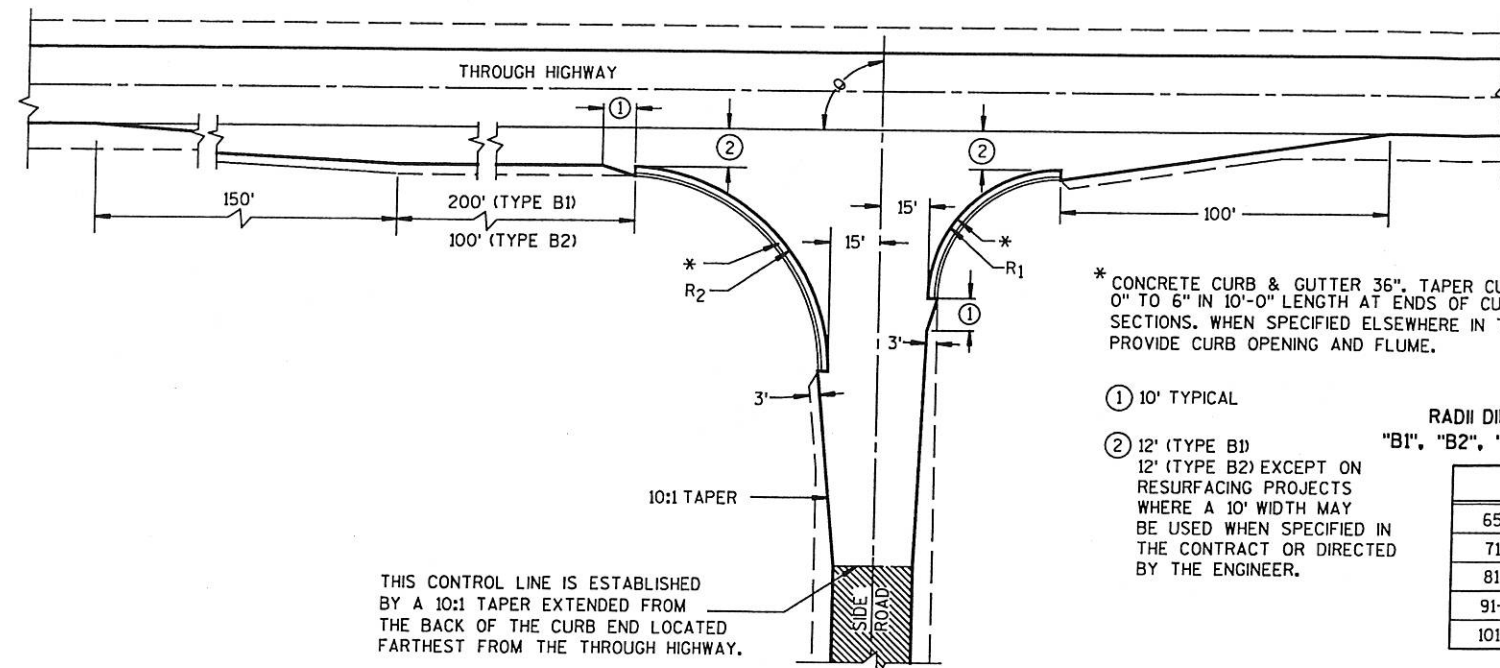
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS. CONCRETE CURVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CURVERT PIPE OR VISE VERSA, GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CURVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENERS. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

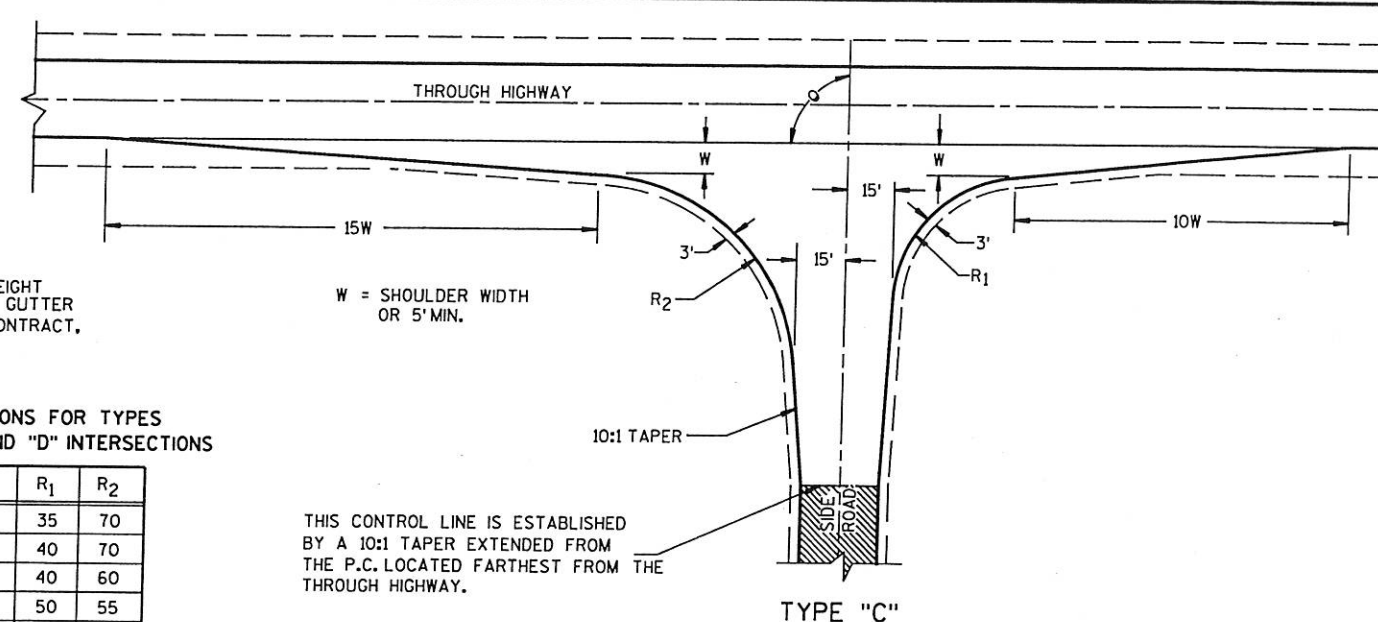
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

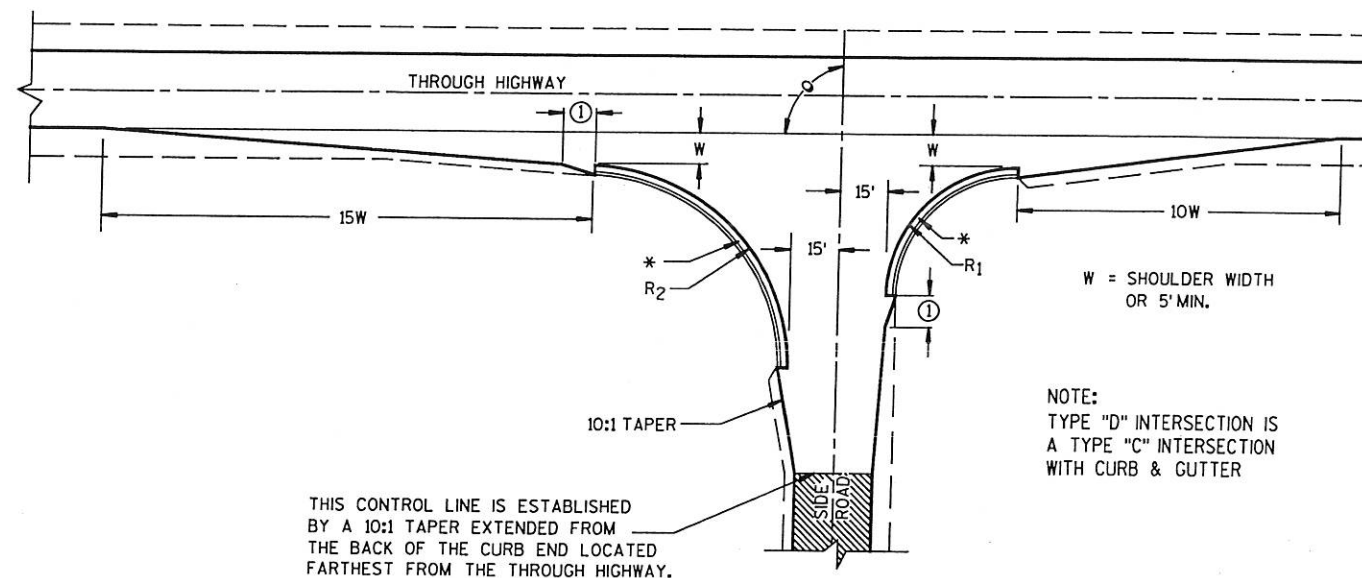
APRON ENDWALLS FOR CURVERT PIPE



TYPE "B1" AND "B2"



TYPE "C"



TYPE "D"

* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10' TYPICAL

② 12' (TYPE B1)
12' (TYPE B2) EXCEPT ON RESURFACING PROJECTS WHERE A 10' WIDTH MAY BE USED WHEN SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

RADI DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R ₁	R ₂
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

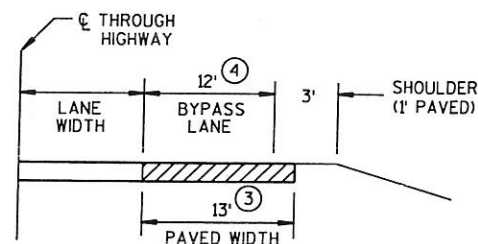
SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

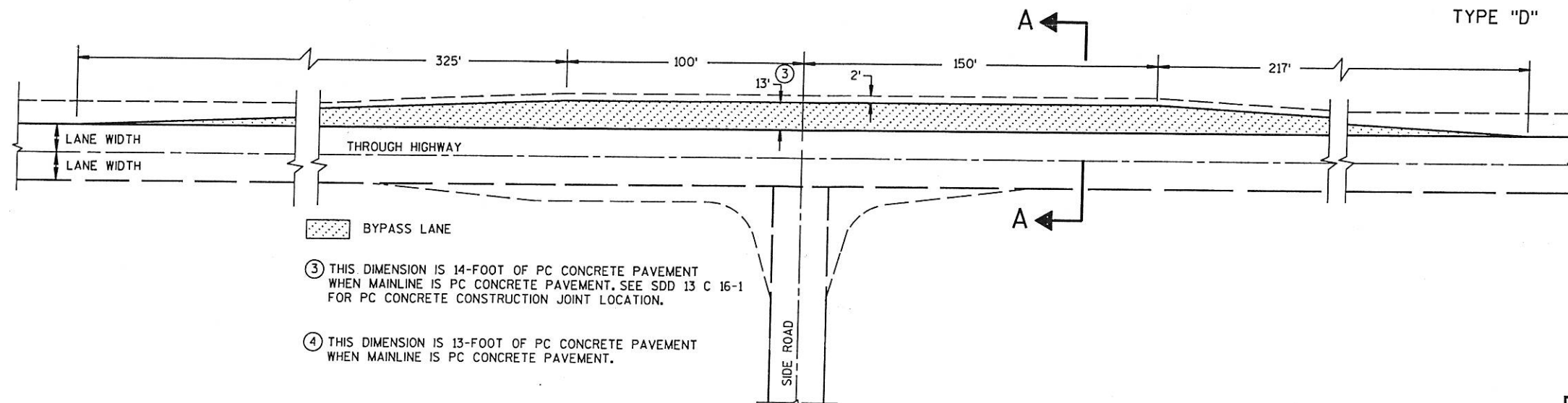
WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING SURFACE

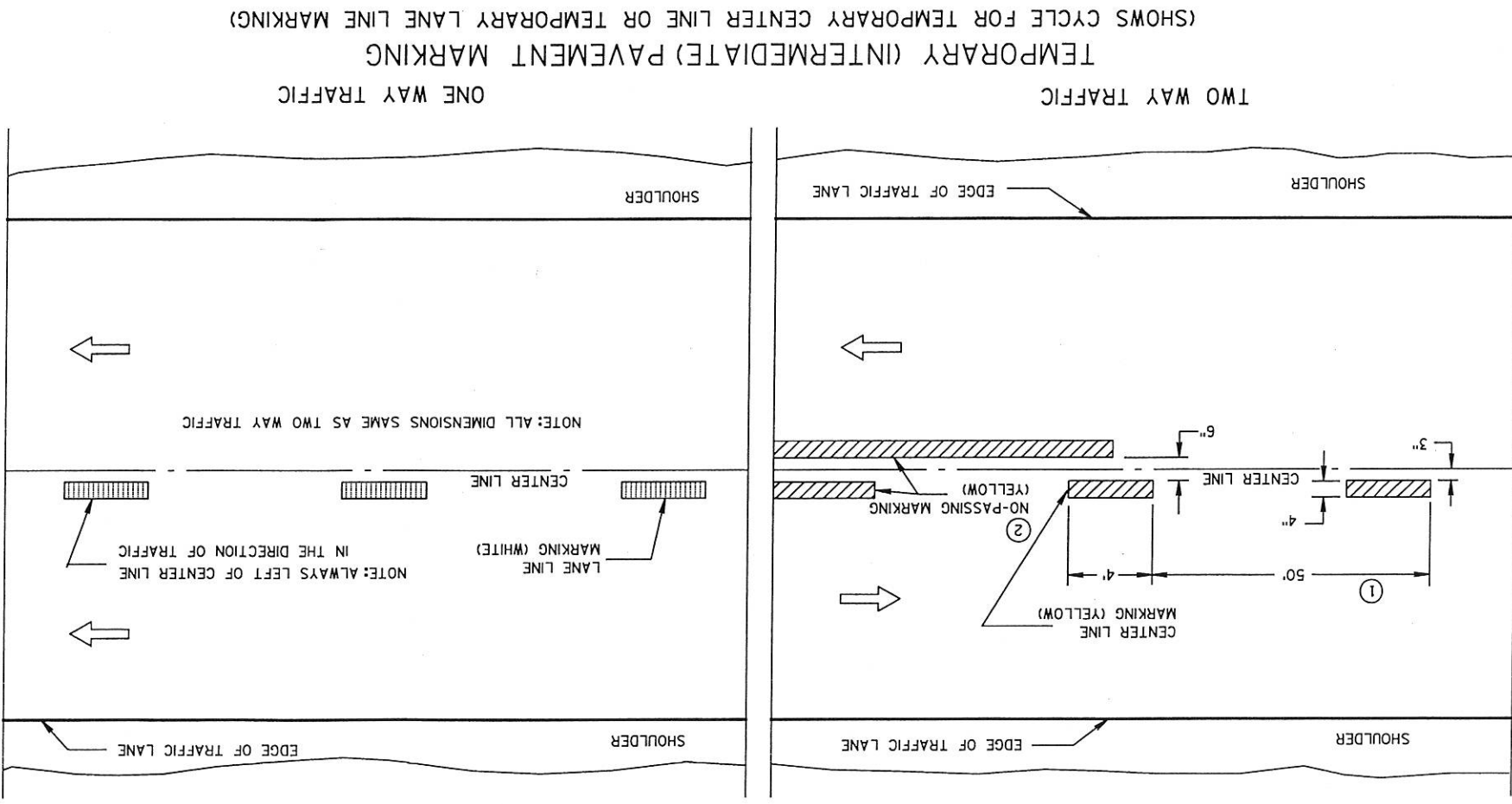
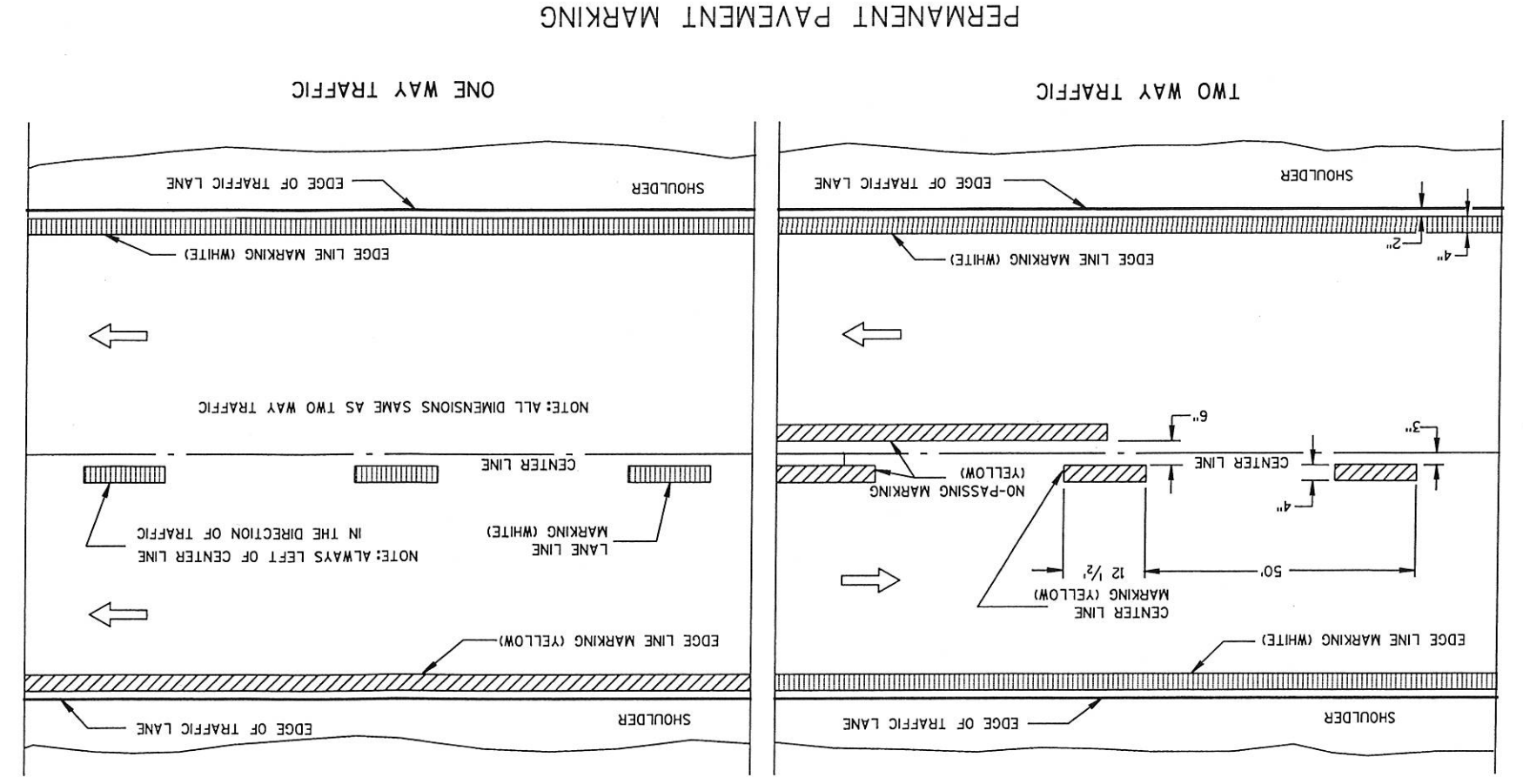


SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE



PERMANENT PAVEMENT MARKING

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

NOTE
ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

① HALF CYCLE LENGTHS (25'-4") WITH 2" MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.

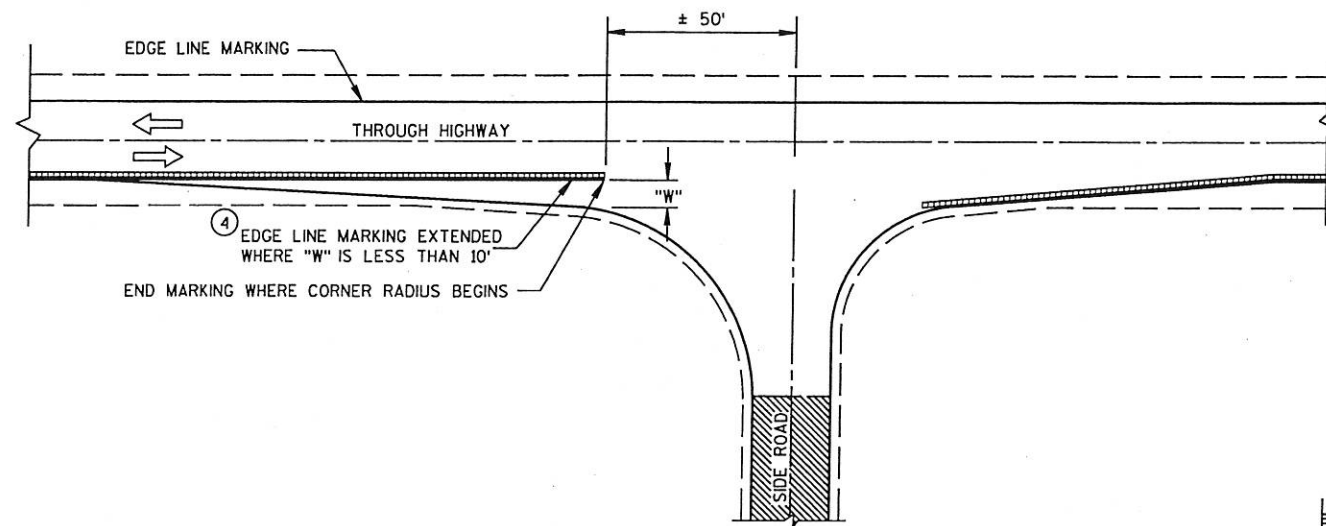
② NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.

PAVEMENT MARKING (MAINLINE)

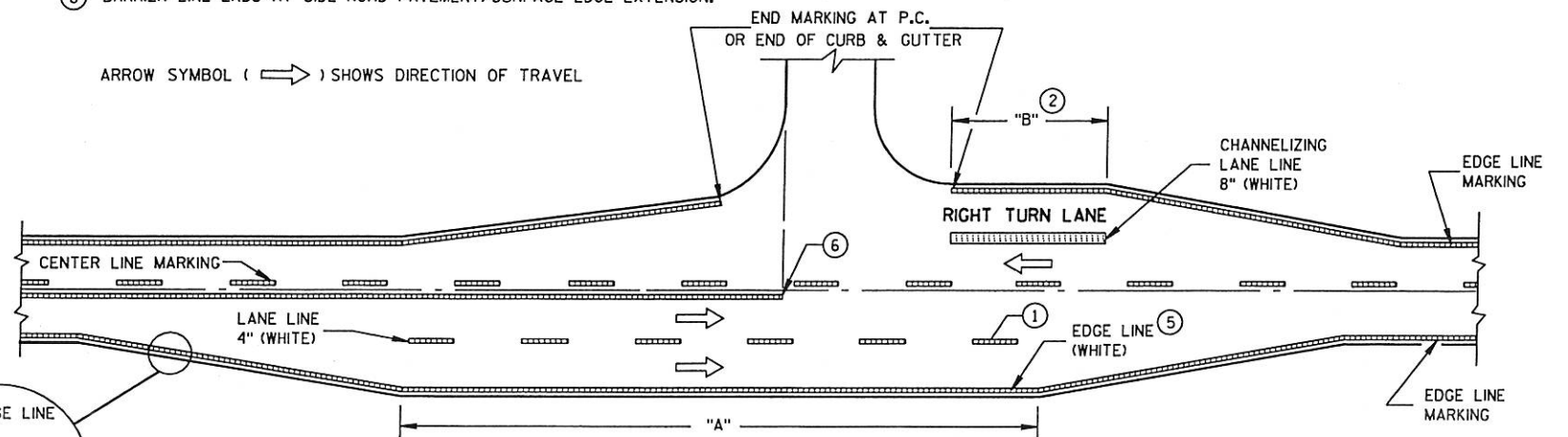
NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

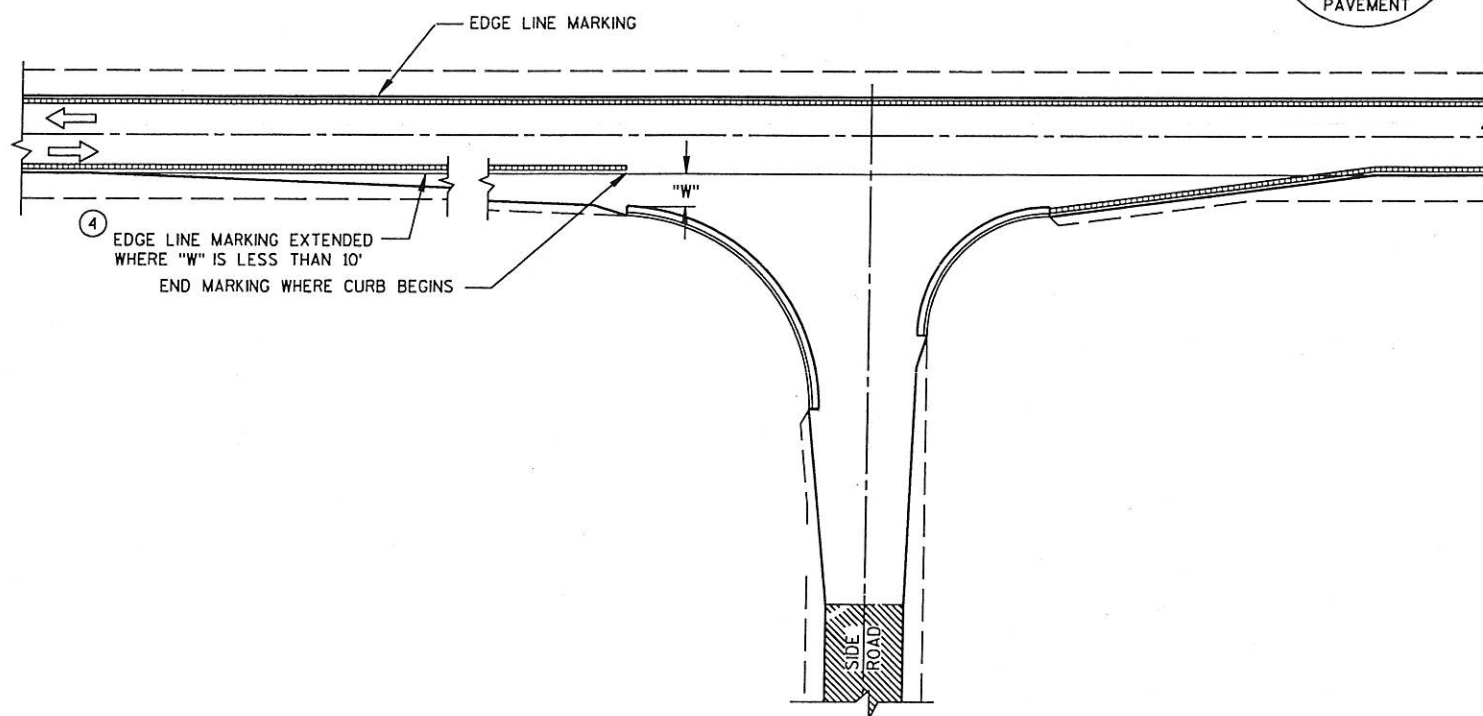
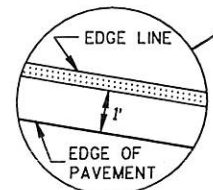
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
- ④ LOCATE THE EDGE LINE ALONG THE TAPER WHERE "W" IS 10' OR MORE.
- ⑤ THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.
- ⑥ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.



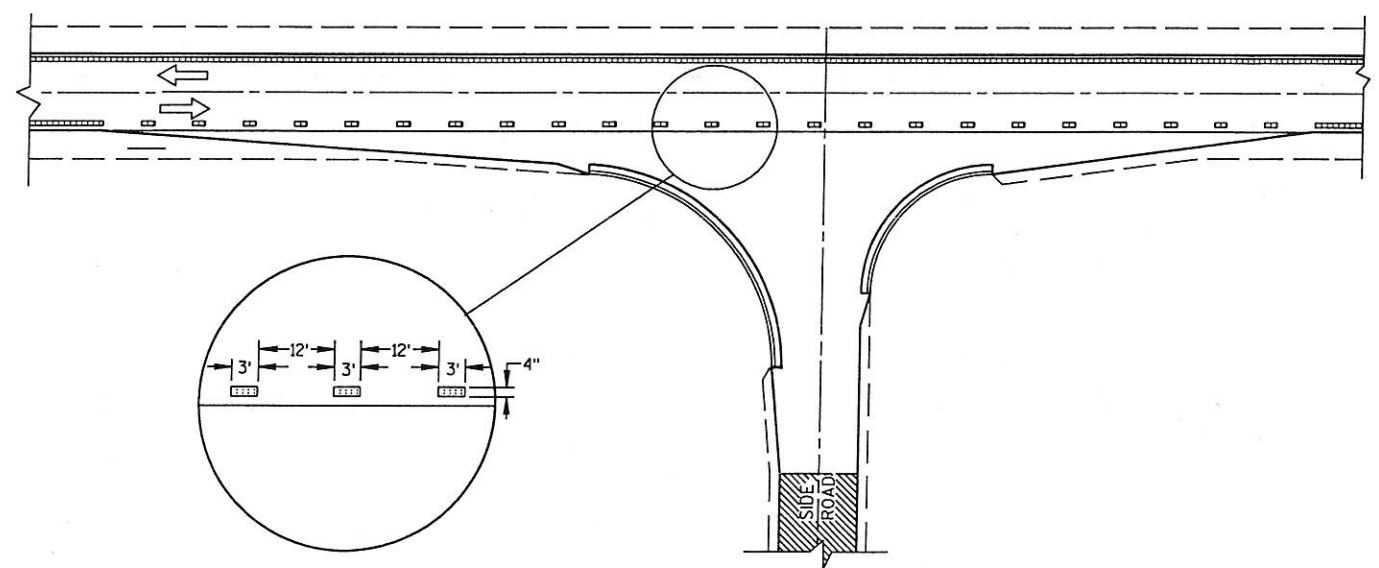
MINOR INTERSECTION WITHOUT CURBS



MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)

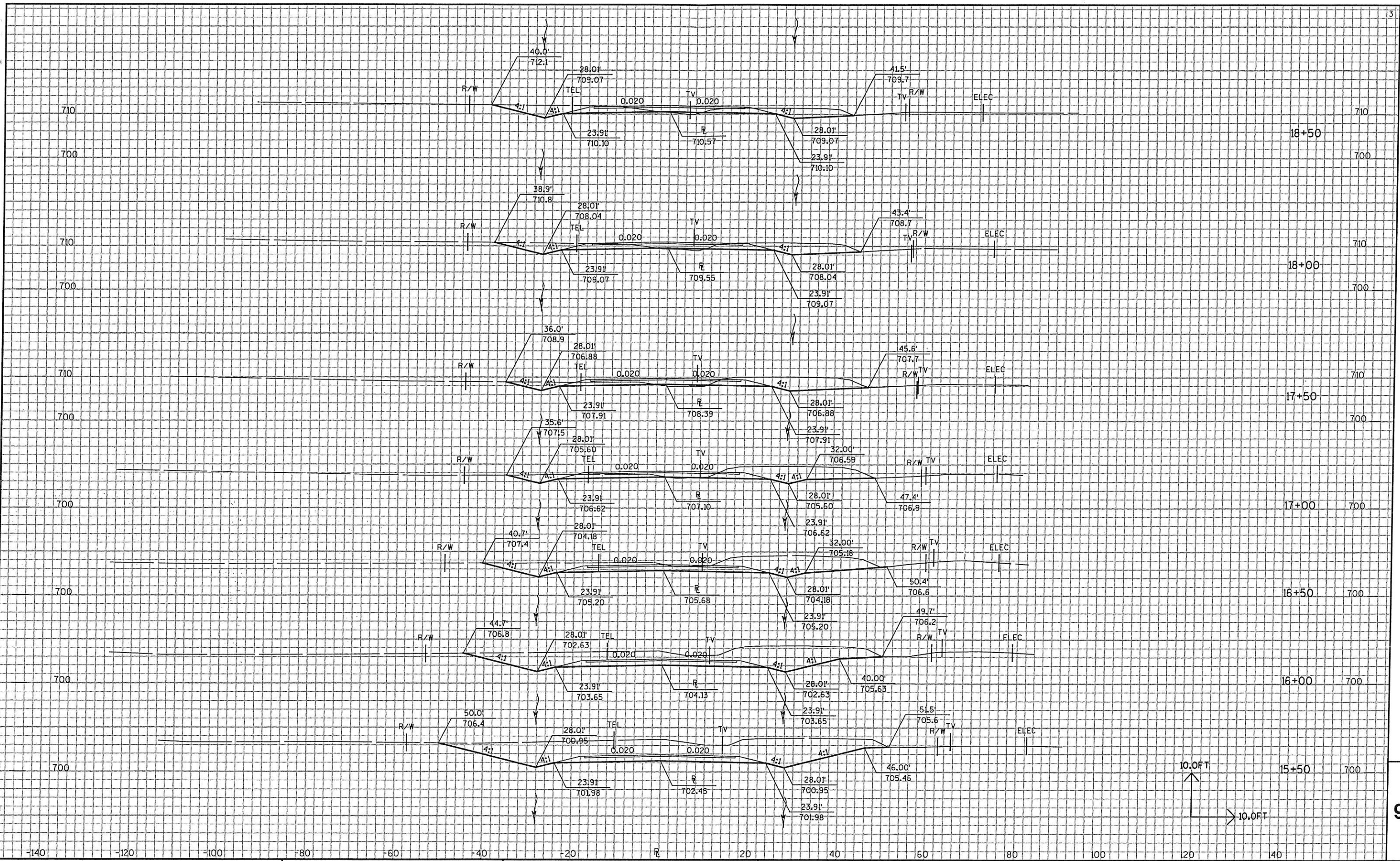


MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)



STATE PROJECT NO: N/A

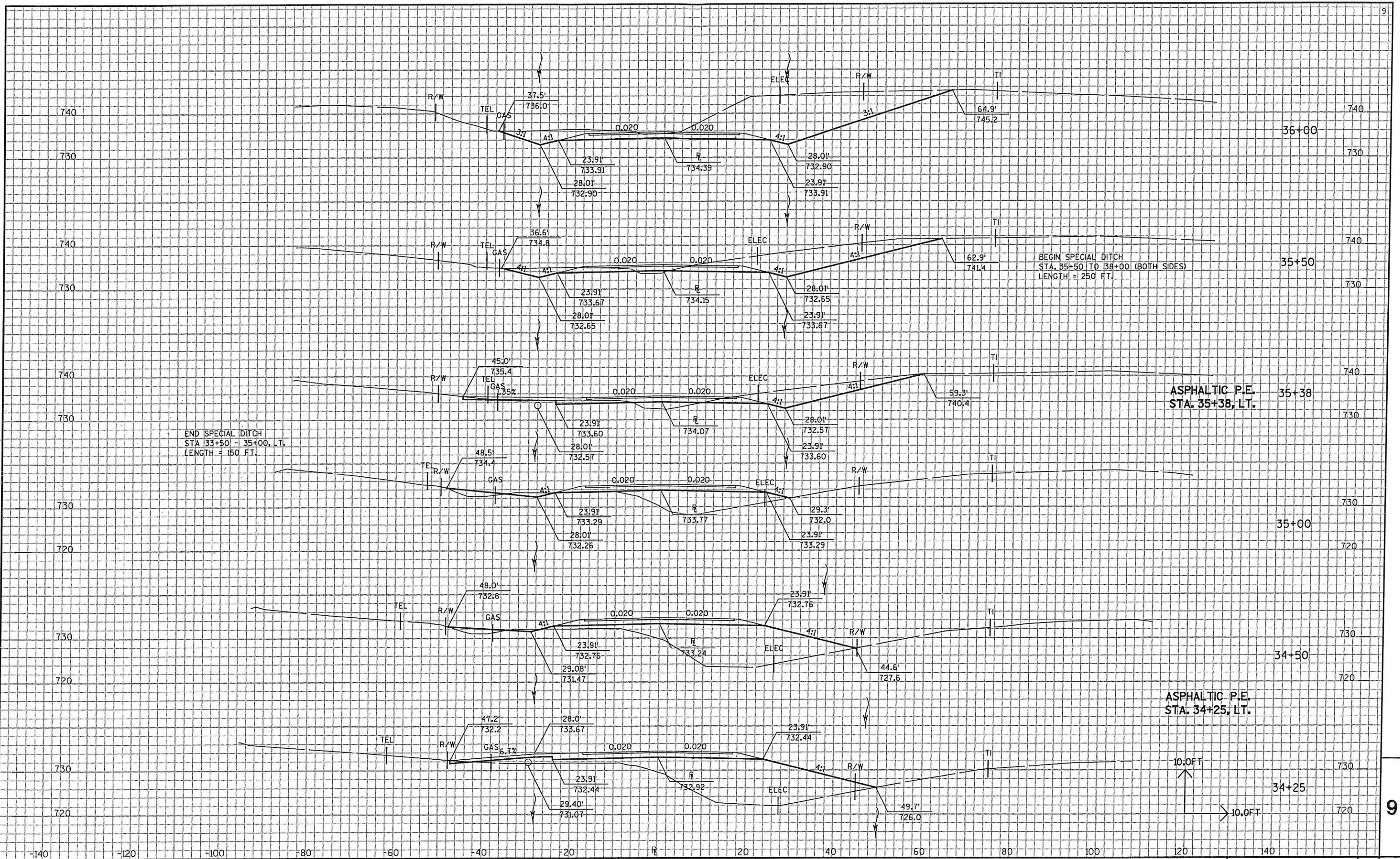
HWY: CTH MH

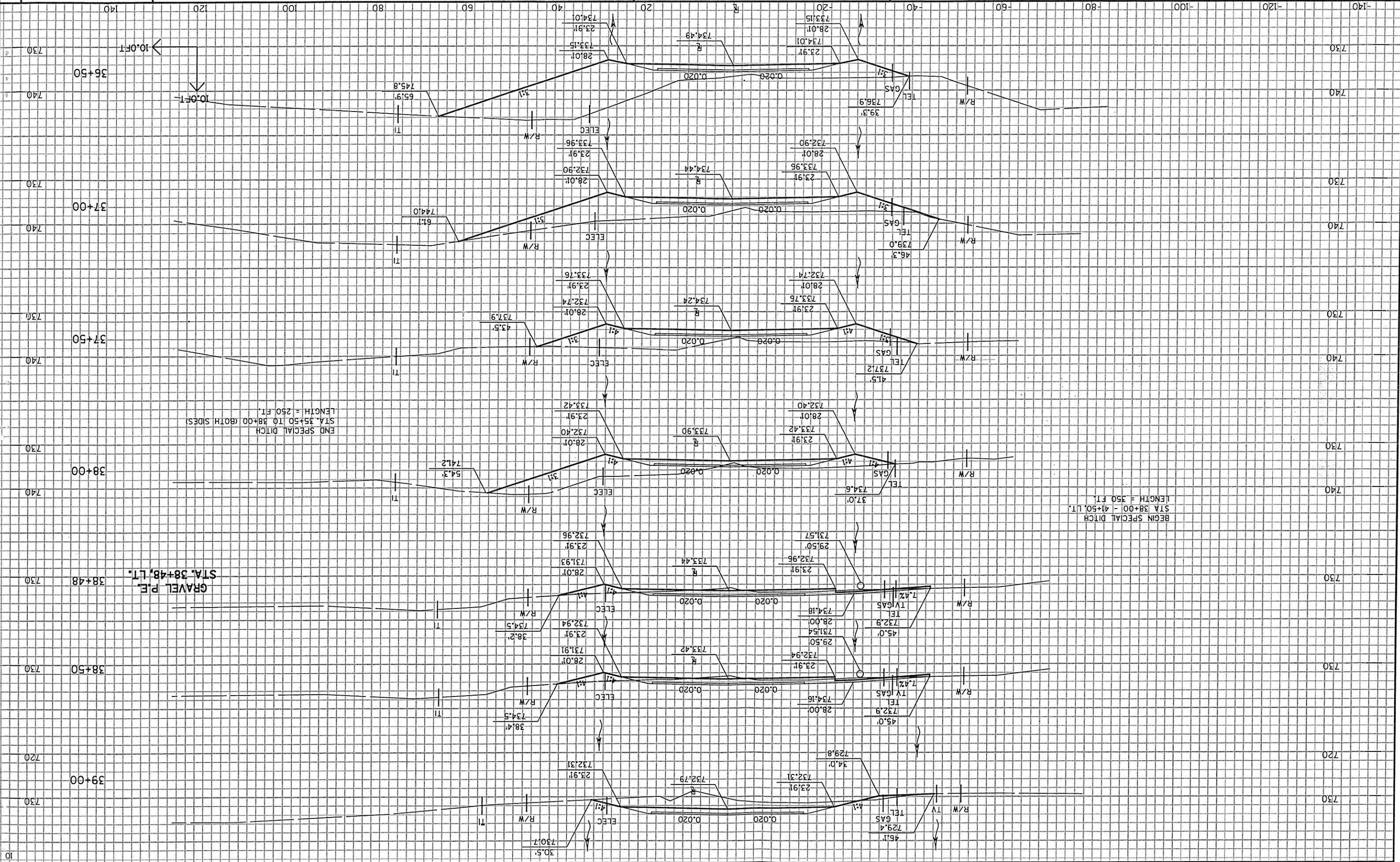
COUNTY: LA CROSSE

CROSS SECTIONS MAINLINE

SHEET NO: 9.3

9

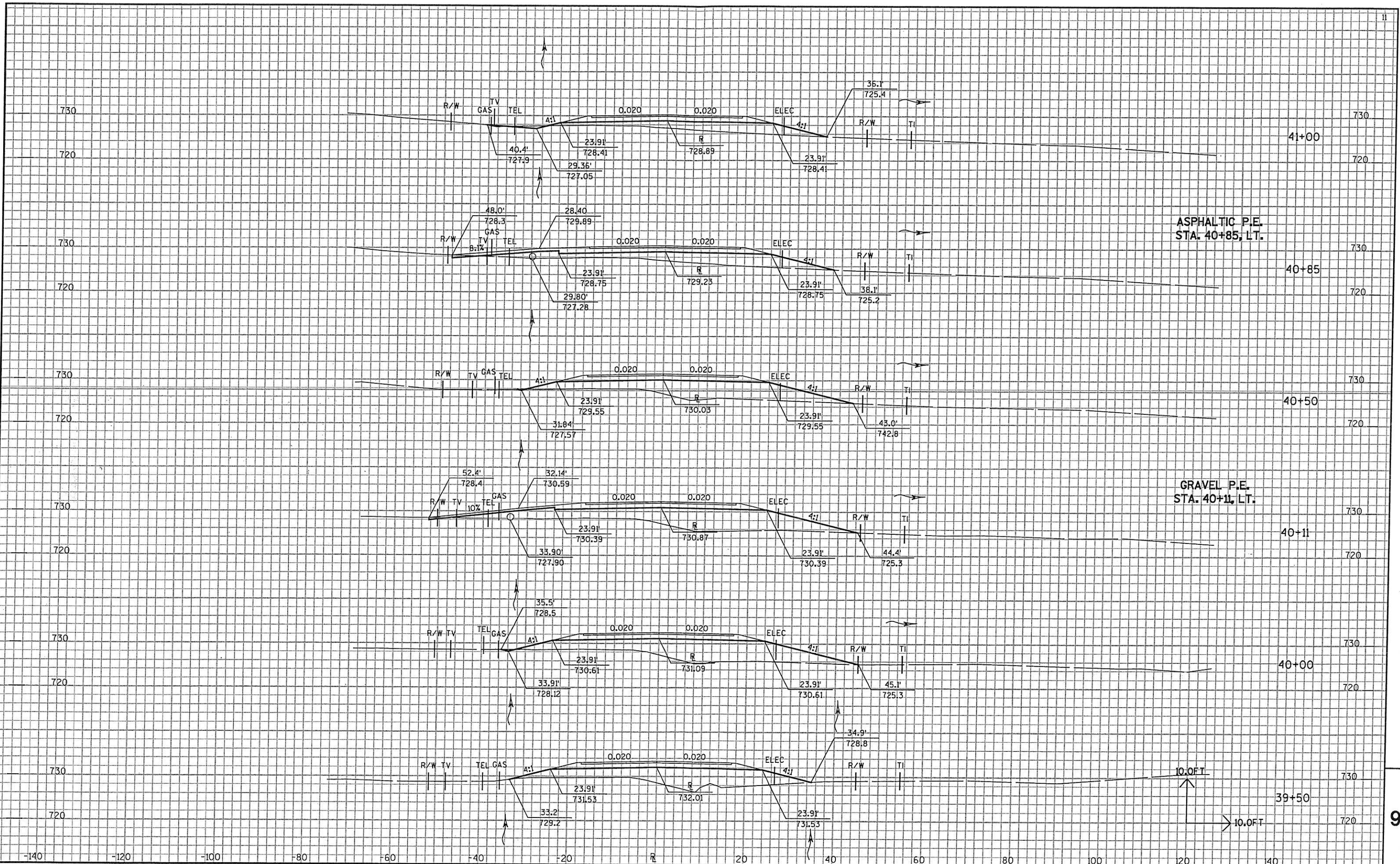




END SPECIAL DITCH
LENGTH = 250 FT.
STA. 35+50 TO 38+00 (BOTH SIDES)

BEGIN SPECIAL DITCH
LENGTH = 350 FT.
STA 38+00 - 41+50, LT.

GRAVEL P.E.
STA. 38+48, LT.



STATE PROJECT NO: N/A

HWY: CTH MH

COUNTY: LA CROSSE

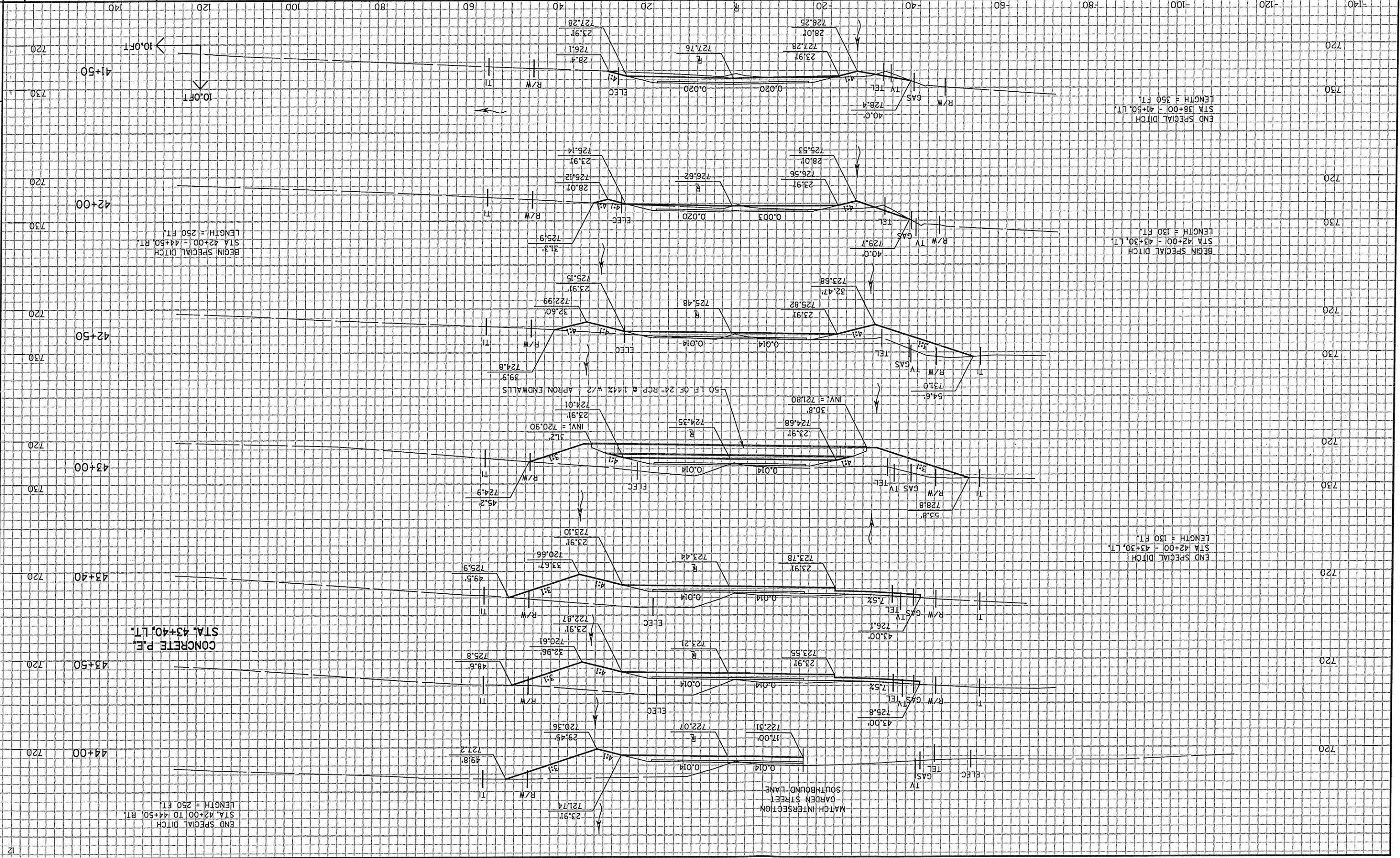
CROSS SECTIONS MAINLINE

SHEET NO: 9.11 E

FILE NAME : G:\caice2k\CTHM\090201_xs.dgn

PLOT DATE : 2/20/2004

9



END SPECIAL DITCH
STA 38+00 - 41+50, LT.
LENGTH = 350 FT.

BEGIN SPECIAL DITCH
STA 42+00 - 43+30, LT.
LENGTH = 130 FT.

END SPECIAL DITCH
STA 42+00 - 43+30, LT.
LENGTH = 130 FT.

BEGIN SPECIAL DITCH
STA 42+00 - 44+50, RT.
LENGTH = 250 FT.

CONCRETE P.E.
STA. 43+40, LT.

END SPECIAL DITCH
STA. 42+00 TO 44+50, RT.
LENGTH = 250 FT.