

PROJECT ID: 5991-02-34

COUNTY: LA CROSSE

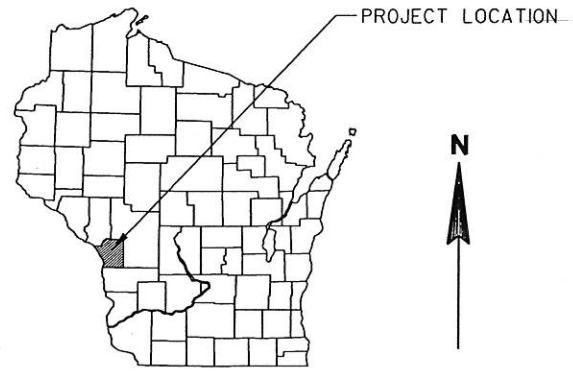
INDEX OF SHEETS

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Sheet No.	Miscellaneous Quantities
Sheet No.	Right of Way Plat
Sheet No.	Plan and Profile
Sheet No.	Standard Detail Drawings
Sheet No.	Sign Plates
Sheet No.	Computer Earthwork Data
Sheet No.	Cross Sections

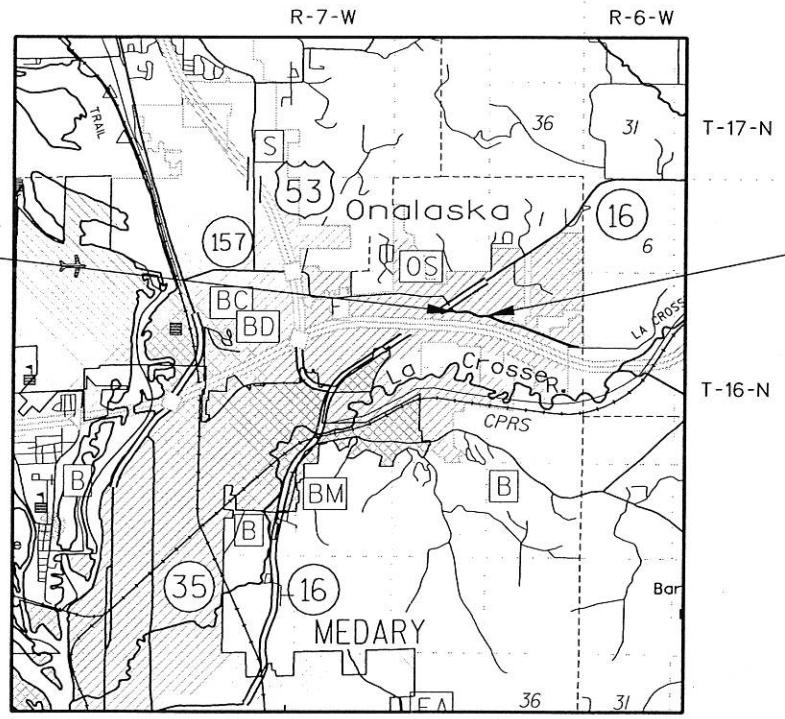
TOTAL SHEETS =

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION  
PLAN OF PROPOSED IMPROVEMENT  
**NORTH KINNEY COULEE ROAD**  
**STH 16 - ONALASKA /**  
**LA CROSSE CITY LIMITS**  
**CITY OF ONALASKA**  
**LA CROSSE COUNTY**

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5991-02-34		



STATE PROJECT NUMBER  
**5991-02-34**



BEGIN PROJECT  
STA 18+57.35  
Y = 155469.472  
X = 464947.703

END PROJECT  
STA 37+29.33

DESIGN DESIGNATION

A.D.T. 2001	=	750
A.D.T. 2023	=	4000
D.H.V. 2023	=	600
D.	=	60/40
T.	=	15%
DESIGN SPEED	=	30 MPH
ESALS	=	1569500

CONVENTIONAL SYMBOLS

COUNTY LINE		COMBUSTIBLE FLUIDS	
CORPORATE LIMITS		UNDERGROUND UTILITIES	
PROPERTY LINE		GAS	
LOT LINE		ELECTRIC	
LIMITED EASEMENT		TELEPHONE OR TELEGRAPH	
EXISTING RIGHT OF WAY		COMMUNICATIONS LINE	
PROPOSED OR NEW R/W LINE		SERVICE PEDESTAL	
SURVEY LINE		POWER POLE	
SLOPE INTERCEPT		TELEPHONE POLE	
ORIGINAL GROUND		RAILROAD	
MARSH OR ROCK PROFILE		SANITARY SEWER	
(To be noted as such)		STORM SEWER	
MARSH AREA		WATER	
WOODED OR SHRUB AREA		EXISTING CULVERT	
		PROPOSED CULVERT	
		(Box or Pipe)	
		CULVERT (Profile View)	

LAYOUT  
SCALE 0 1.0 MI

TOTAL NET LENGTH OF CENTERLINE = 0.354 MI (URBAN)

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

ACCEPTED FOR  
CITY of ONALASKA  
7-3-02 *Randy Byrom*  
DATE: CITY ENGINEER

ORIGINAL PLANS PREPARED BY:

SCOTT A. HASBURGH  
E-33329  
BARNEVELD, WI  
7/2/2002

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

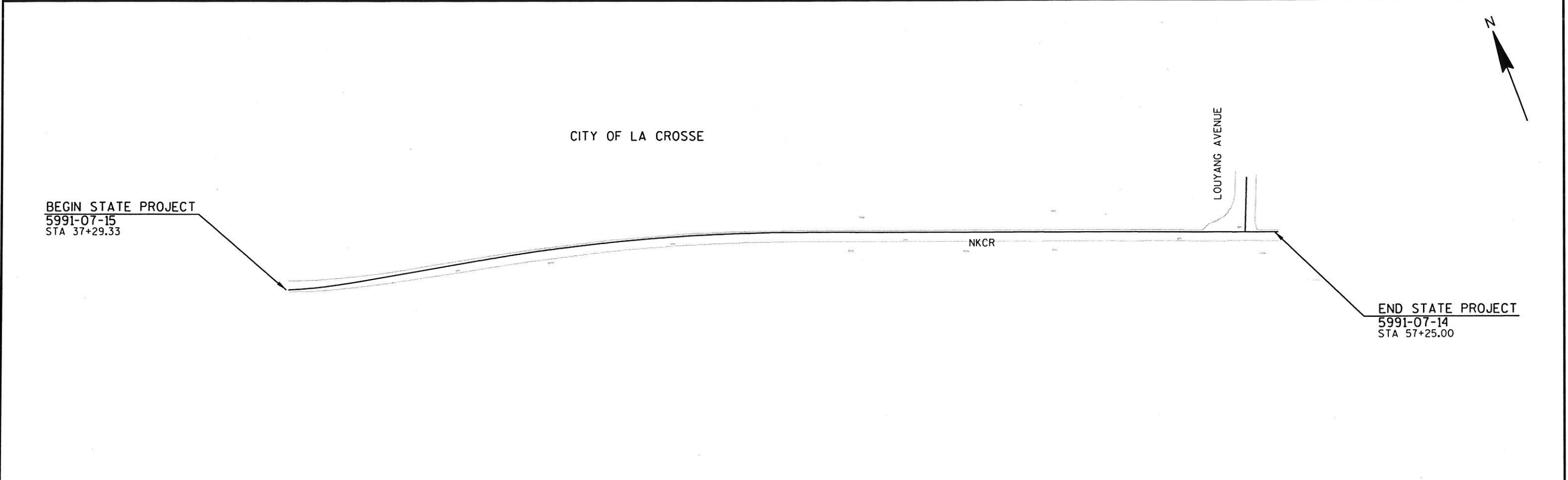
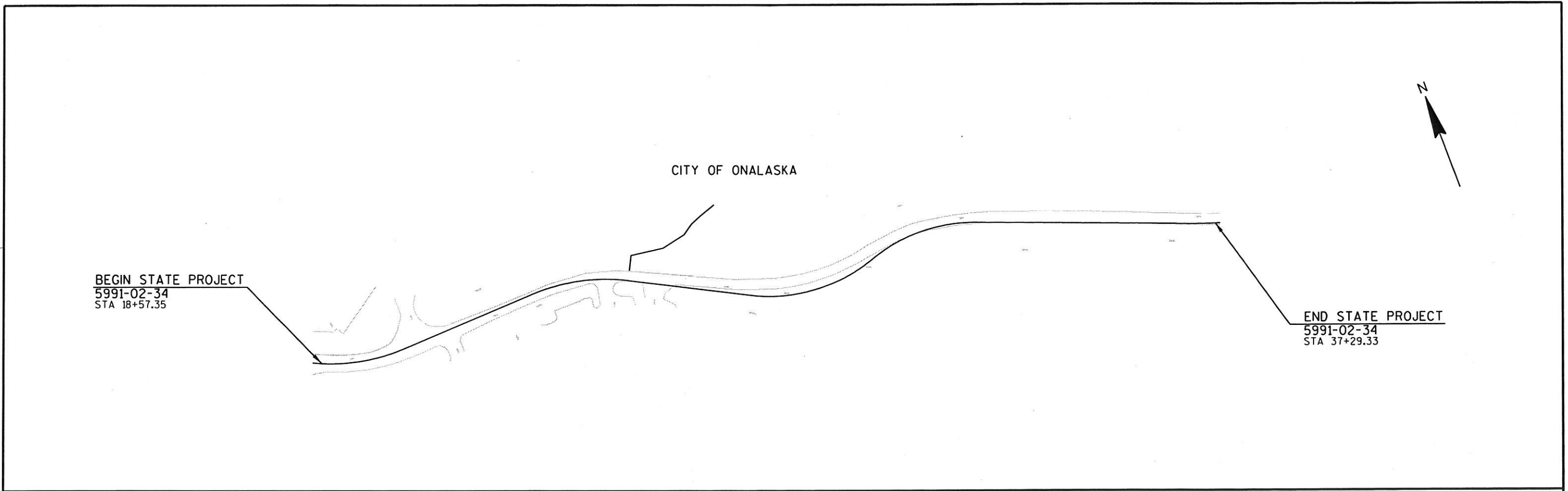
PREPARED BY  
Surveyor \_\_\_\_\_ SEH  
Designer \_\_\_\_\_ SEH  
District Examiner \_\_\_\_\_  
District Supervisor \_\_\_\_\_  
Proj. Dev. Engineer \_\_\_\_\_  
C.O. Examiner \_\_\_\_\_

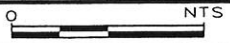
APPROVED FOR DISTRICT OFFICE  
DATE: 7/9/02 *Randy Byrom*  
(Signature)

AUTHORIZED FOR BUREAU OF HIGHWAY DEVELOPMENT  
DATE: \_\_\_\_\_  
(Signature)

E

LEVELS ON \* 2,3,4, 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: 5991-02-34	HWY: NKCR	COUNTY: LA CROSSE	PROJECT OVERVIEW	SCALE, FEET 	SHEET NO: <b>E</b>
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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

**STANDARD ABBREVIATIONS**

ABUT	ABUTMENT	MH	MANHOLE
AC	ACRE	NC	NORMAL CROWN
AGG	AGGREGATE	N	NORTH
ASPH	ASPHALTIC	NKCR	NORTH KINNEY COULEE ROAD
AVG	AVERAGE	NO	NUMBER
ADT	AVERAGE DAILY TRAFFIC	OBLIT	OBLITERATE
BF	BACK FACE	PAVT	PAVEMENT
BM	BENCH MARK	PC	POINT OF CURVATURE
BR	BRIDGE	PI	POINT OF INTERSECTION
C/L	CENTER LINE	PT	POINT OF TANGENCY
Δ	CENTRAL ANGLE OR DELTA	LB	POUND
CONC	CONCRETE	PE	PRIVATE ENTRANCE
CR	CREEK	R	RADIUS
CY	CUBIC YARD	RCCP	REINFORCED CONCRETE CULVERT PIPE
C & G	CURB AND GUTTER	RES	RESIDENCE OR RESIDENTIAL
D	DEGREE OF CURVE	RHF	RIGHT-HAND FORWARD
DHV	DESIGN HOUR VOLUME	R/W	RIGHT-OF-WAY
D	DIRECTIONAL DISTRIBUTION	R	RIVER
DISCH	DISCHARGE	RD	ROAD
DG	DITCH GRADE	RDWY	ROADWAY
DWY	DRIVEWAY	SALV	SALVAGED
E	EAST	SAN S	SANITARY SEWER
X	EAST GRID COORDINATE	S	SOUTH
EL	ELEVATION	SO	SQUARE
ENT	ENTRANCE	SF	SQUARE FEET
ESALS	EQUIVALENT SINGLE AXLE LOADS	SY	SQUARE YARD
EXC	EXCAVATION	SDD	STANDARD DETAIL DRAWINGS
EBS	EXCAVATION BELOW SUBGRADE	STH	STATE TRUNK HIGHWAYS
EXIST	EXISTING	STA	STATION
FF	FACE TO FACE	SS	STORM SEWER
FERT	FERTILIZE	SE	SUPERELEVATION
FE	FIELD ENTRANCE	TC	TOP OF CURB
FL	FLOW LINE	T OR TN	TOWN
FO	FIBER OPTIC	T	TRUCKS (PERCENT OF)
FT	FOOT	TYP	TYPICAL
CWT	HUNDREDWEIGHT	UNCL	UNCLASSIFIED
HYD	HYDRANT	VAR	VARIABLE
ID	INSIDE DIAMETER	VC	VERTICAL CURVE
INV	INVERT	W	WEST
IP	IRON PIPE OR PIN	Y	NORTH GRID COORDINATE
LHF	LEFT-HAND FORWARD	YD	YARD
L	LENGTH OF CURVE		
LF	LINEAR FOOT		
LC	LONG CHORD OF CURVE		
LS	LUMP SUM		

**GENERAL NOTES**

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE CITY OF ONALASKA DATUM.

WHEN THE QUANTITY OF THE ITEMS OF BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH TOPSOILED, FERTILIZED, AND SEEDED AND MULCHED. FINISHED SEEDED SURFACE SHALL BE 1-INCH BELOW THE TOP OF ADJACENT CONCRETE.

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.

THE LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

SIGN PLATE DETAILS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" UNLESS OTHERWISE PROVIDED FOR IN THE PLAN.

ALL CURB AND GUTTER RADIUS AND PAVEMENT DIMENSIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

ALL SIDE ROAD EARTHWORK QUANTITIES ARE INCLUDED IN MAINLINE EARTHWORK QUANTITIES.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

TOP OF CASTING ELEVATIONS SHOWN FOR INLETS REFER TO THE CASTING ELEVATION AT THE FRONT EDGE OF CASTING.

CONSTRUCTION PERMITS FOR DRIVEWAY CONSTRUCTION HAVE BEEN OBTAINED AND SUCH RIGHTS WILL BE EXTENDED TO THE CONTRACTOR.

ALL STORM SEWER INVERTS, ELEVATIONS, PIPE LENGTHS, AND GRADES ARE COMPUTED CENTER-TO-CENTER OF STRUCTURES.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION.

5.0 IN ASPHALTIC CONCRETE PAVEMENT SHALL BE CONSTRUCTED WITH A 2.0 IN UPPER LAYER AND A 3.0 IN LOWER LAYER.

TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.025 GAL/S.Y. AND SHALL BE PLACED BETWEEN LAYERS OF ASPHALTIC PAVEMENT.

SILT FENCE IS TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

**UTILITIES**

\*CENTURY TELEPHONE OF WISCONSIN, INC.  
2615 EAST AVENUE SOUTH  
P.O. BOX 4800  
LA CROSSE, WI 54601  
ATTN: MR. BRIAN STELPLUGH  
(608) 796-5516

\*XCEL ENERGY  
1414 HAMILTON AVENUE  
P.O. BOX 8  
EAU CLAIRE, WI 54702-0008  
ATTN: MS. SARAH B. NYSTUEN  
(715) 836-1177

\*CHARTER COMMUNICATIONS  
314 MAIN ST.  
P.O. BOX 279  
ONALASKA, WI 54650  
ATTN: MR. TIM FISCHER  
(608) 783-5255

\*INDICATES DIGGER'S HOTLINE MEMBER

**DNR LIAISON**

MR. JIM DOPERALSKI, JR  
DEPARTMENT OF NATURAL RESOURCES  
STATE OFFICE BUILDING  
3550 MORMON COULEE ROAD  
LA CROSSE, WI 54601  
(608) 789-5511

**CITY OF ONALASKA**

MR. RON LUND, P.E.  
415 MAIN ST.  
ONALASKA, WI 54650  
(608) 781-9537

**CONSULTANT**

MR. SCOTT HASBURGH, P.E.  
SEH INC.  
6418 NORMANDY LANE  
SUITE 100  
MADISON, WI 53719  
(608) 274-2020

**STANDARD DETAIL DRAWINGS**

8A5-16a	INLET COVERS TYPE A, H, A-S, & H-S
8A5-16b	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
8B6-3	MANHOLE TYPE 1
8B7-3	MANHOLES TYPE 2 & 3
8C1-5	INLETS TYPE 1, 2, 3 AND 4
8D1-13	CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES
8E8-2	TYPICAL INSTALLATIONS OF EROSION BALES
8E9-5	SILT FENCE
8E10-1	INLET PROTECTION TYPE A, B AND C
8F4-5	JOINT TIES FOR CONCRETE PIPE
8F5-1	CLASS "B" BEDDING FOR CULVERT PIPE OR STORM SEWER
15C8-9a	PAVEMENT MARKING (MAINLINE)

BORING	STATION	ASPHALTIC SURFACE	BASE COURSE
B5	21+97	3"	12"
B6	26+11	1.5"	4"
B7	30+22	2.5"	4"
B8	34+55	3"	9"

SEE PLAN & PROFILE SHEETS FOR LOCATIONS

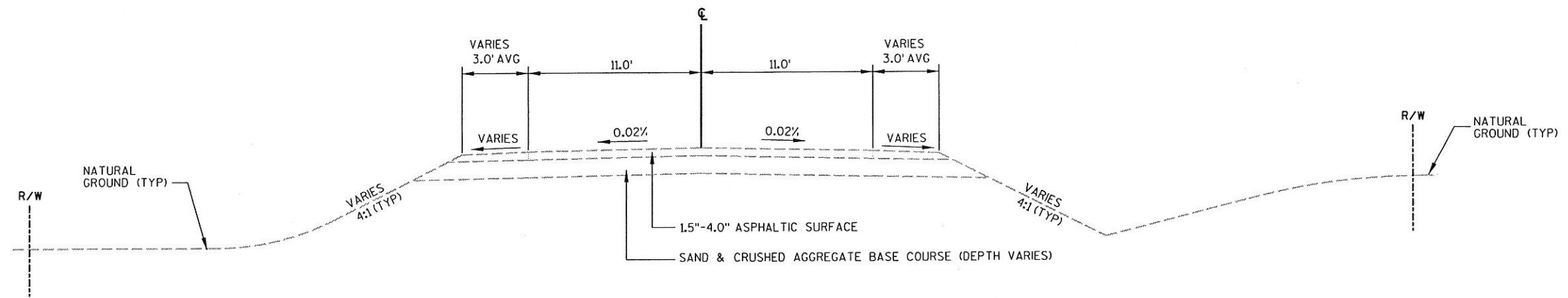


TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

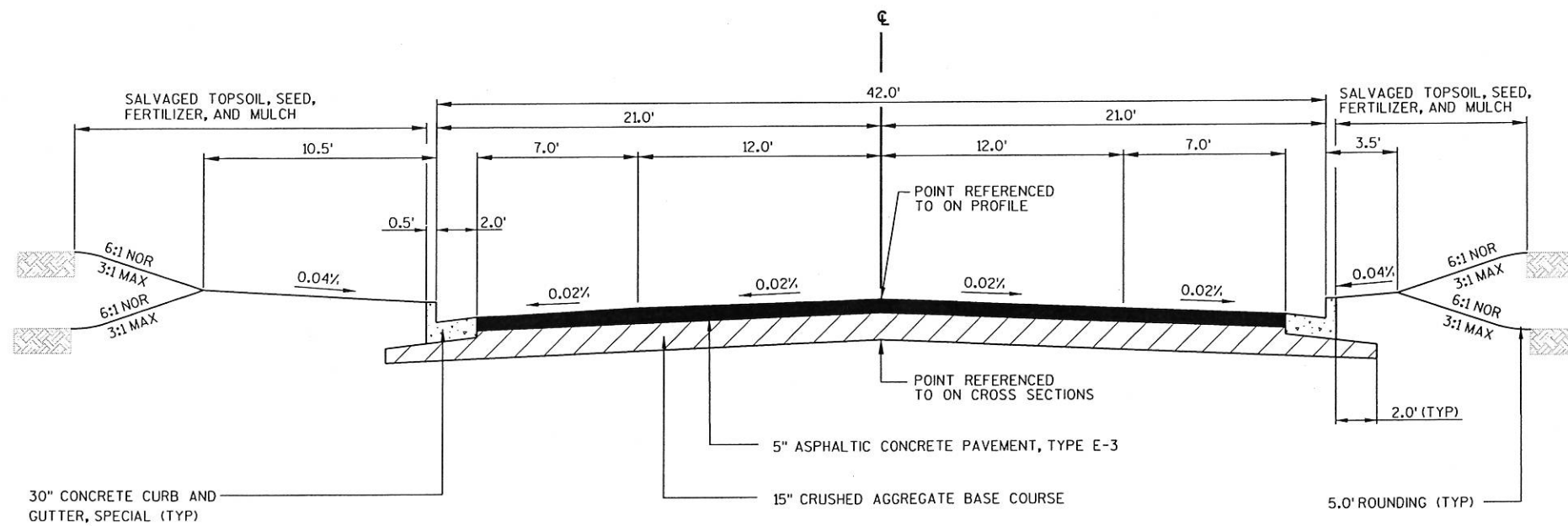
CALL DIGGERS HOTLINE  
TOLL FREE 1-800-242-8511  
FAX A LOCATE 1-800-338-3860  
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WISCONSIN STATUTE 182.0175 (1974)  
REQUIRES MINIMUM OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

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



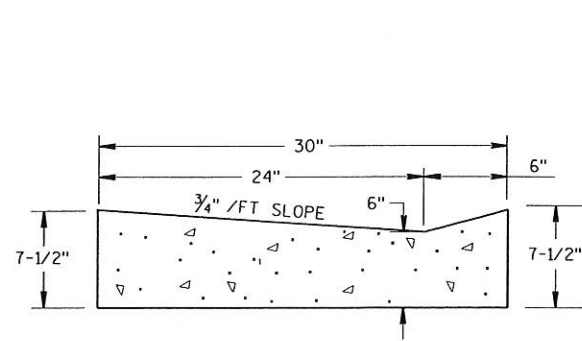
TYPICAL EXISTING SECTION



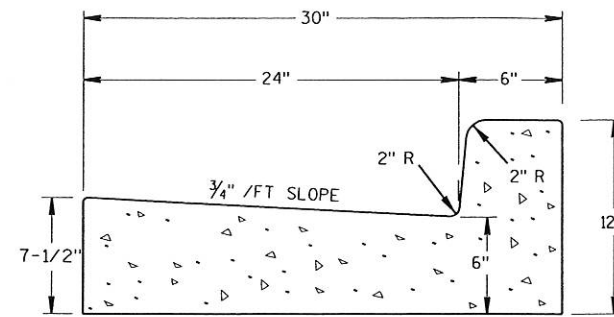
TYPICAL FINISHED SECTION

STA 18+57.35 TO STA 37+29.33

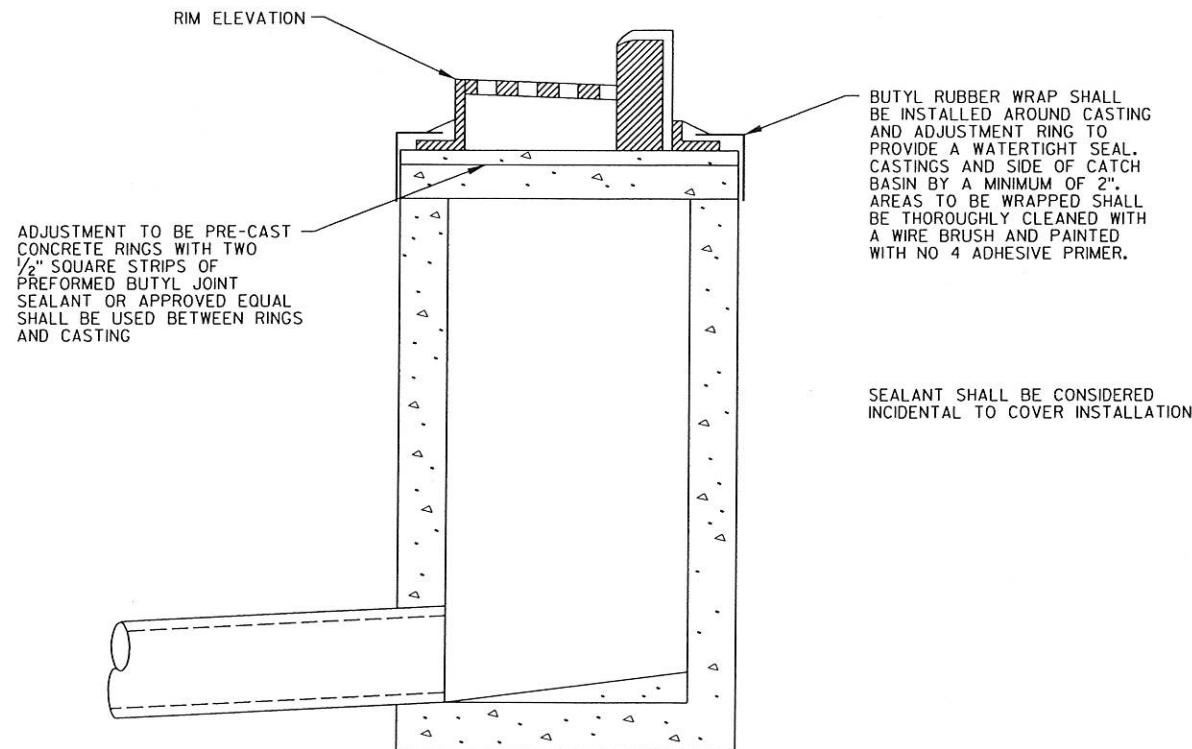
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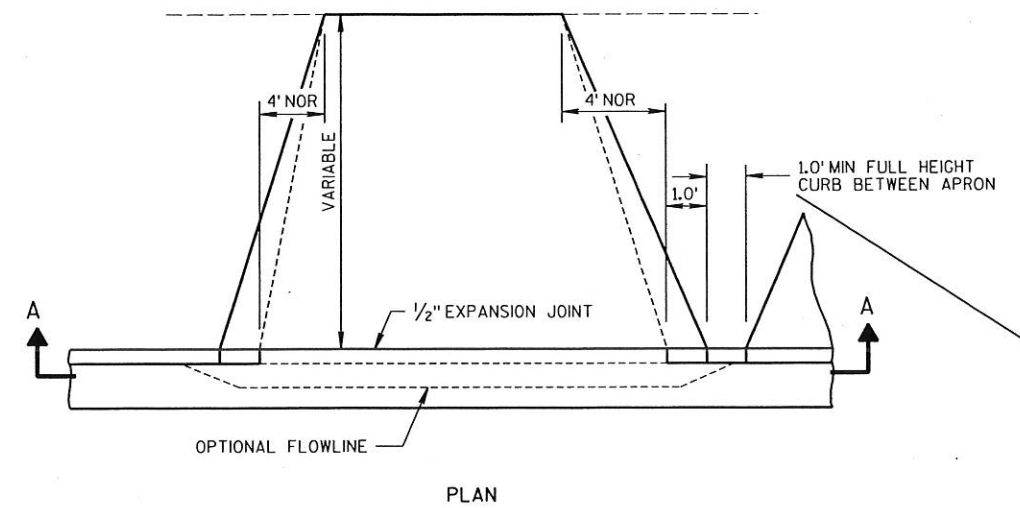
**CONCRETE CURB & GUTTER,  
30-INCH, SPECIAL  
DRIVEWAY SECTION**



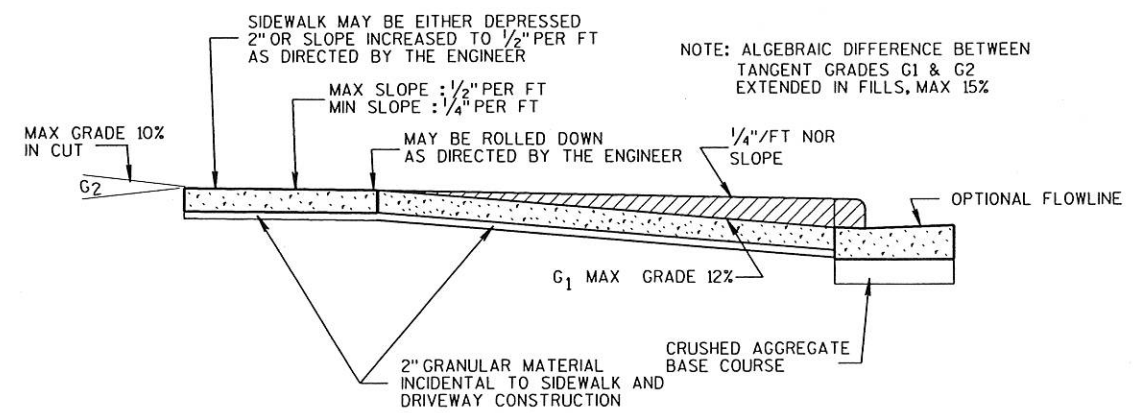
**CONCRETE CURB & GUTTER,  
30-INCH, SPECIAL**



**STORM INLET SEALANT**

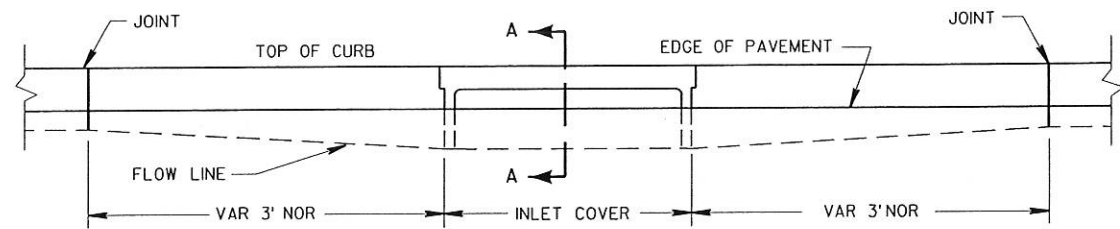


**PLAN**

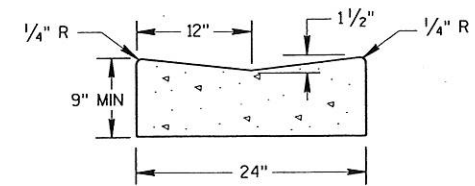
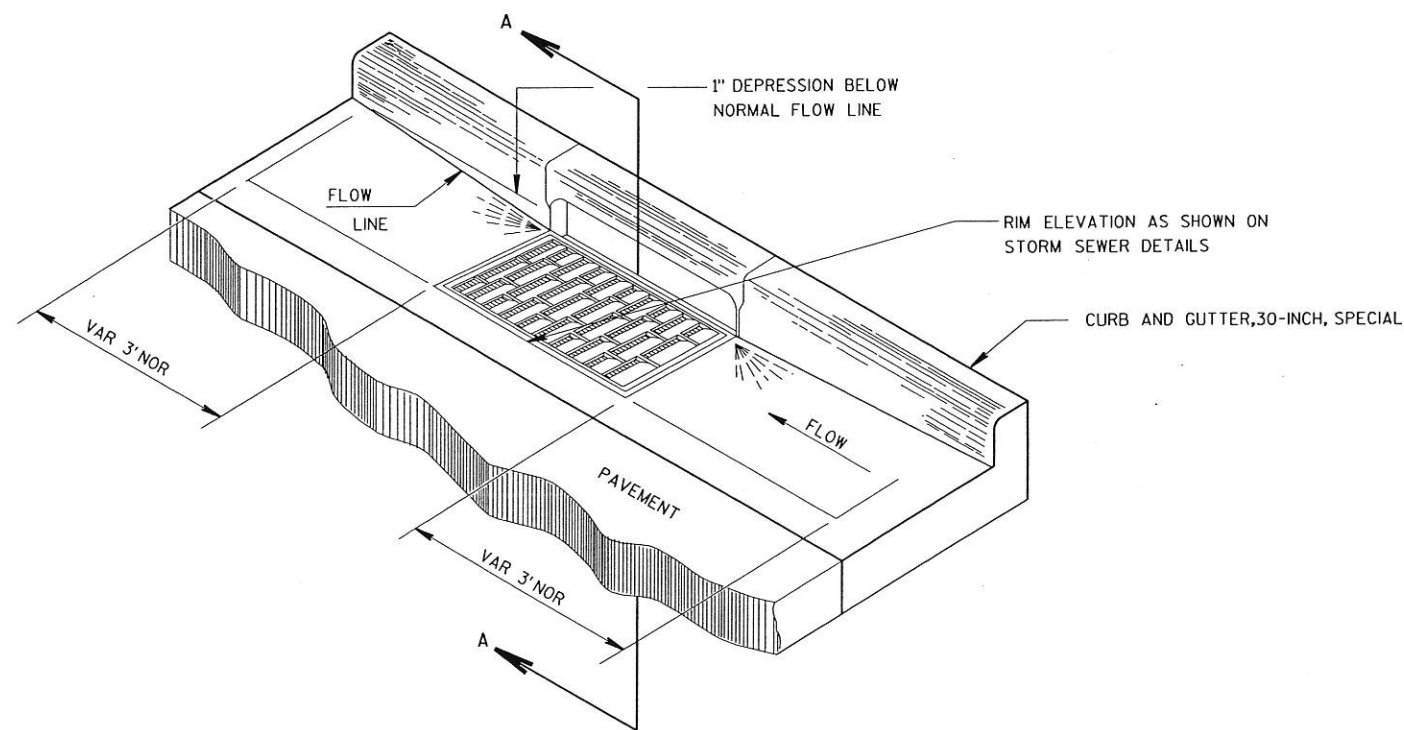


**PROFILE**

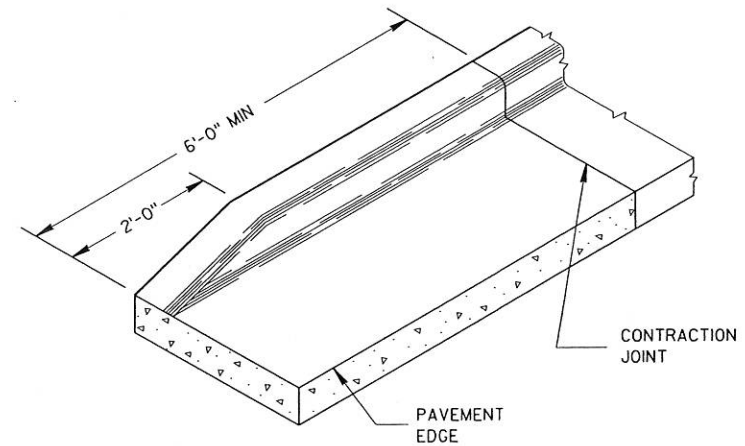
**COMMERCIAL ENTRANCE, TYPE 2  
PRIVATE ENTRANCE, TYPE 2**



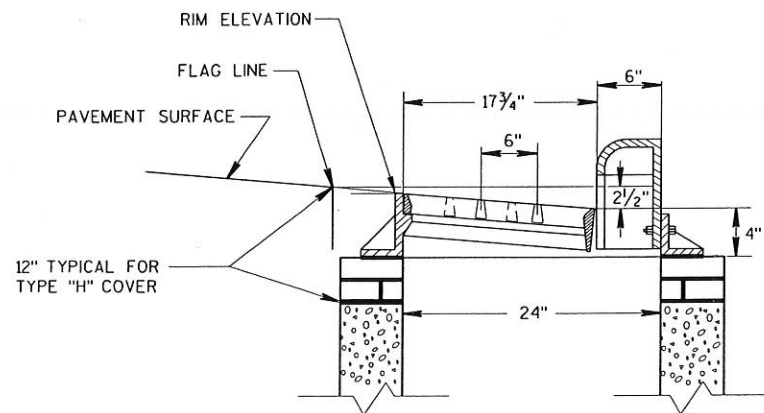
ELEVATION



CONCRETE GUTTER, 24-INCH



END SECTION CURB & GUTTER



SECTION A-A

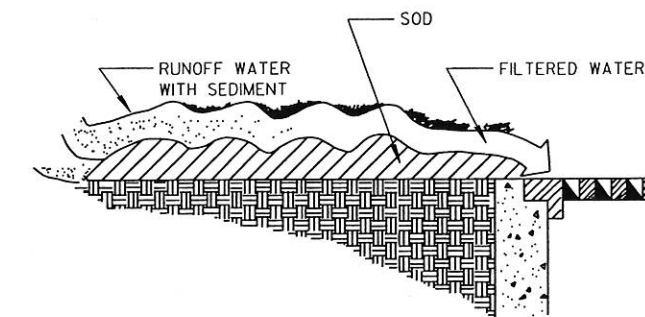
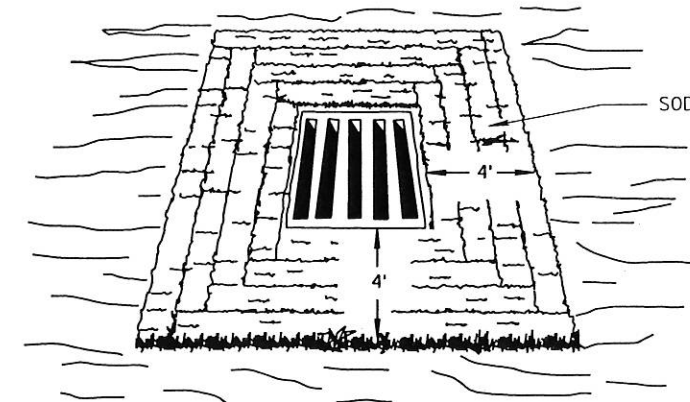
DETAIL OF CURB AND GUTTER AT INLETS  
(TYPE 3-H INLET SHOWN)

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

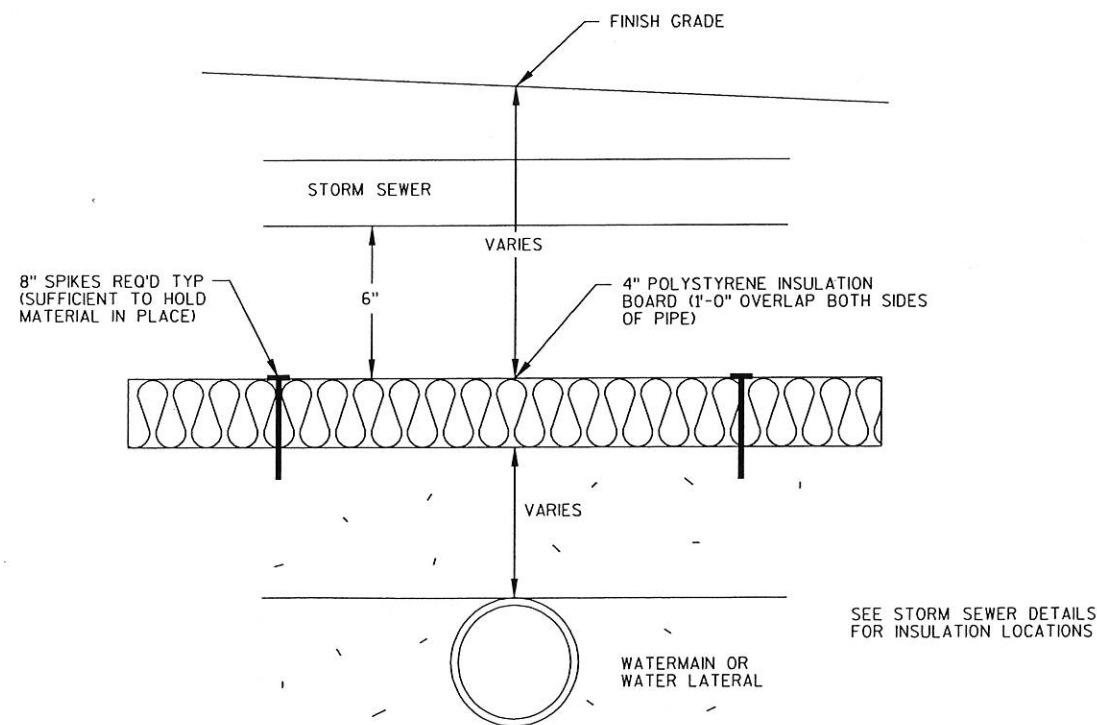
**RUNOFF COEFFICIENT TABLE**

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIP-TURF	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPE-TURF			.25			.27			.28			.30
			.32			.34			.36			.38
PAVEMENT:												
ASPKCRALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 4.24 ACRES  
 TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 3.07 ACRES

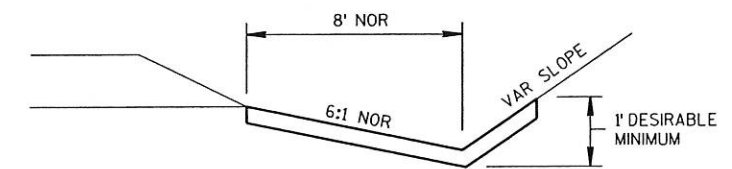


**SOD INLET SEDIMENT FILTER**



**POLYSTYRENE INSULATION  
STORM SEWER SEPARATION**

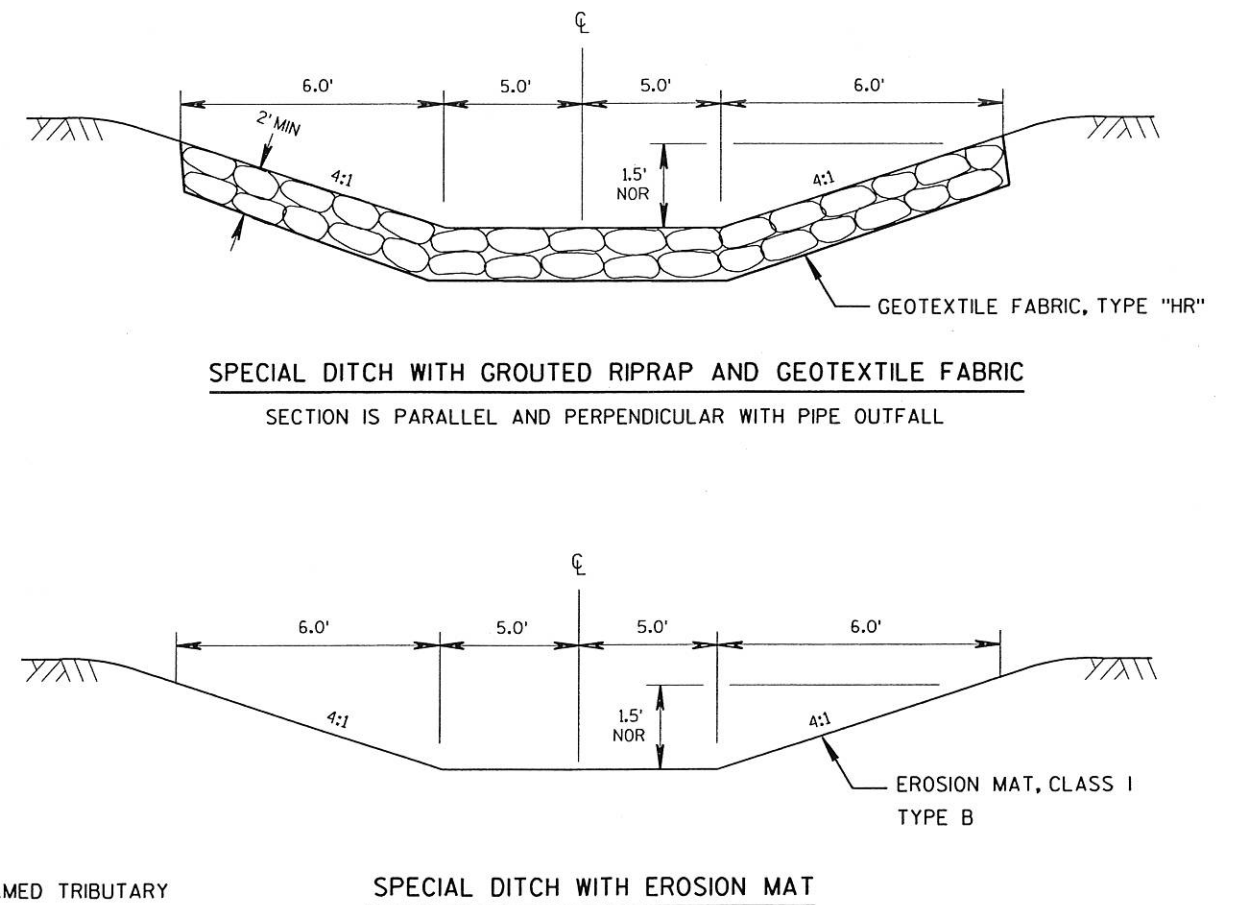
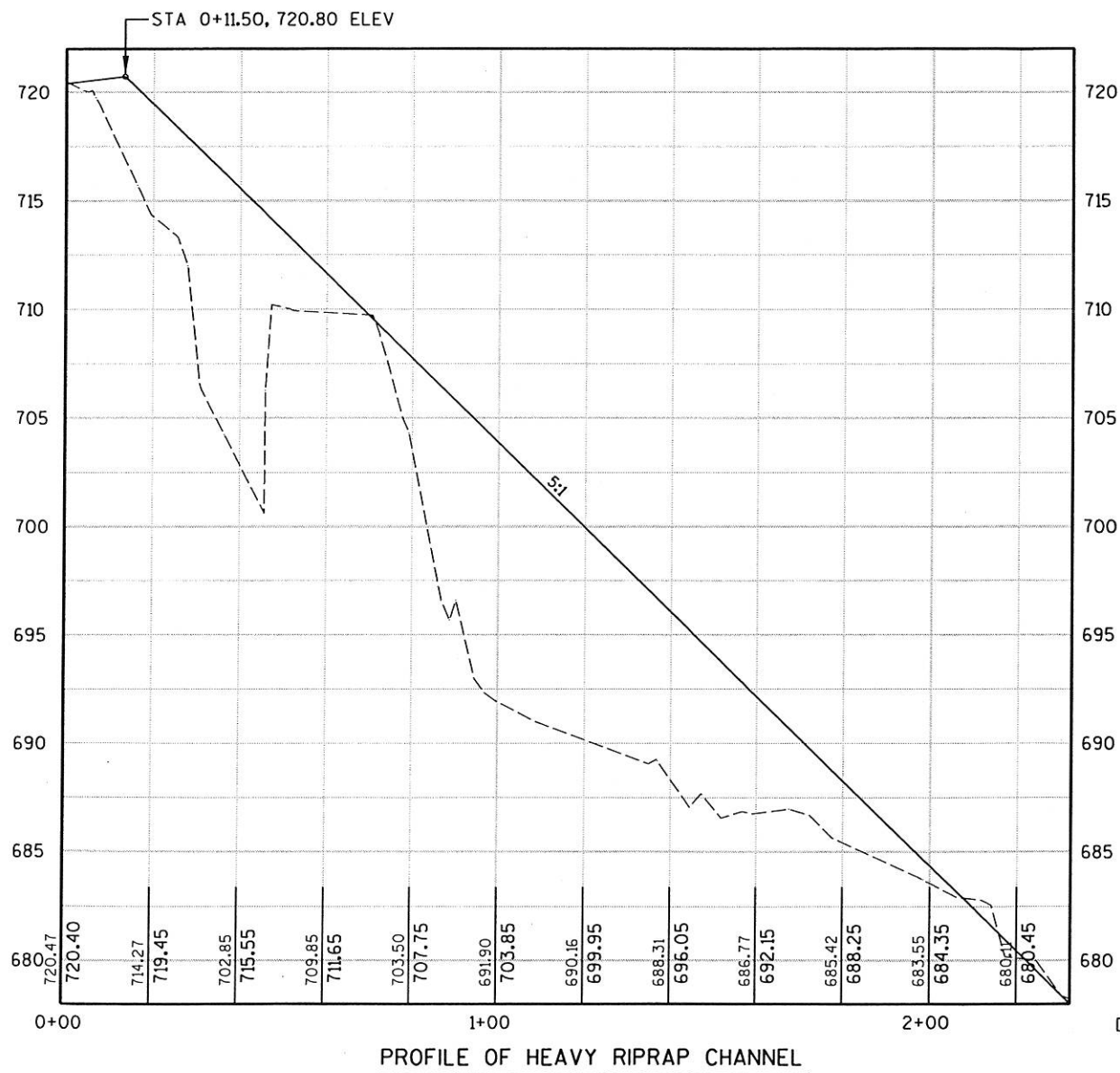
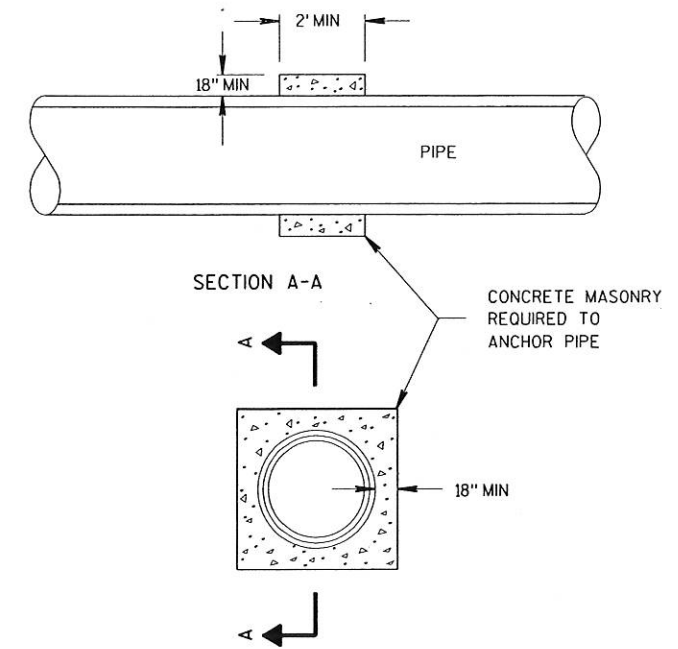
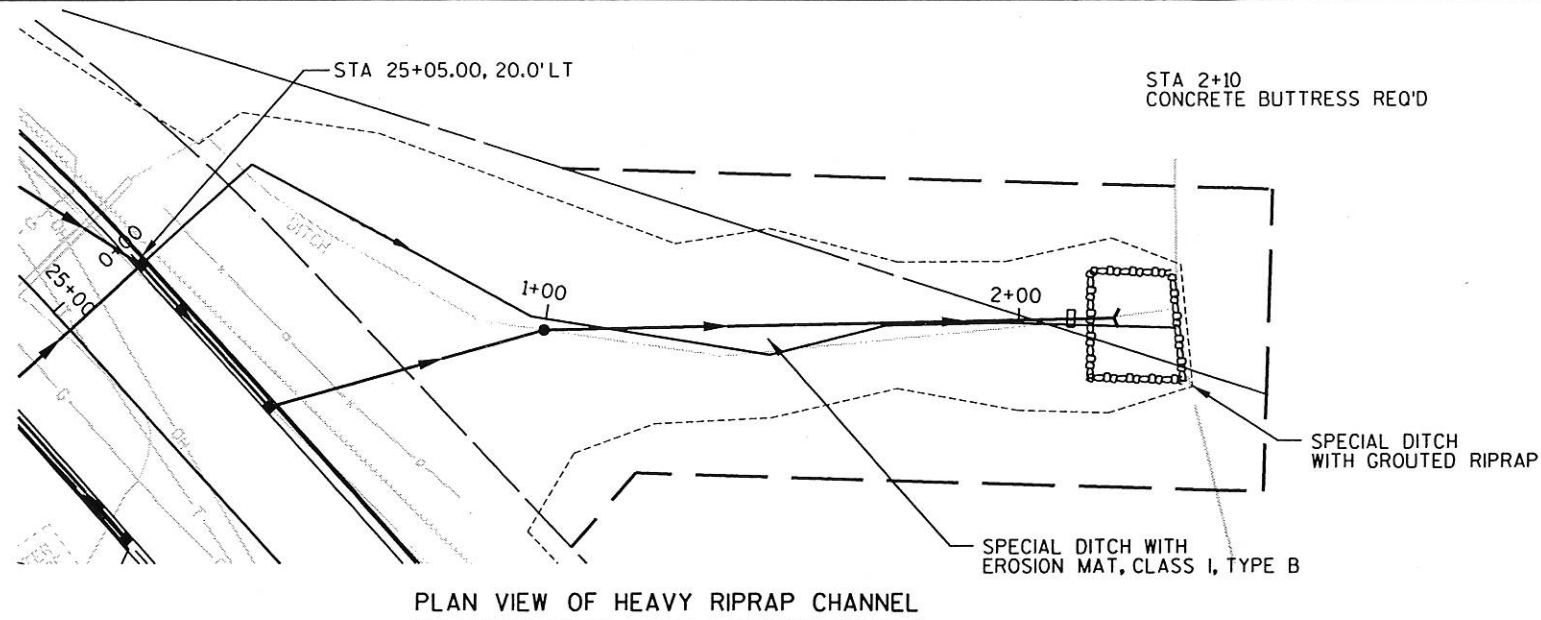
SEE STORM SEWER DETAILS  
FOR INSULATION LOCATIONS



**EROSION MAT DETAIL FOR DITCHES**

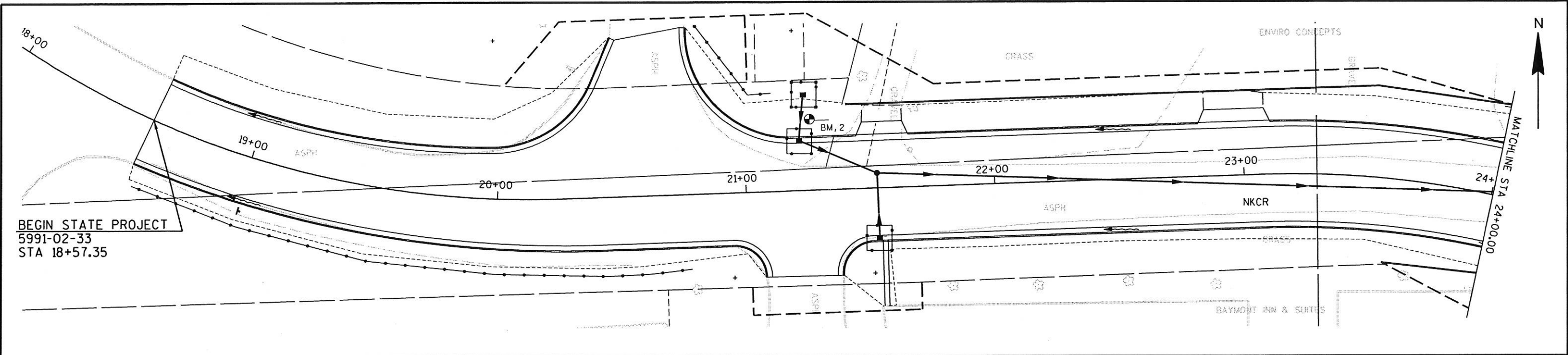
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LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

LEVELS ON 1, 2, 3, 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

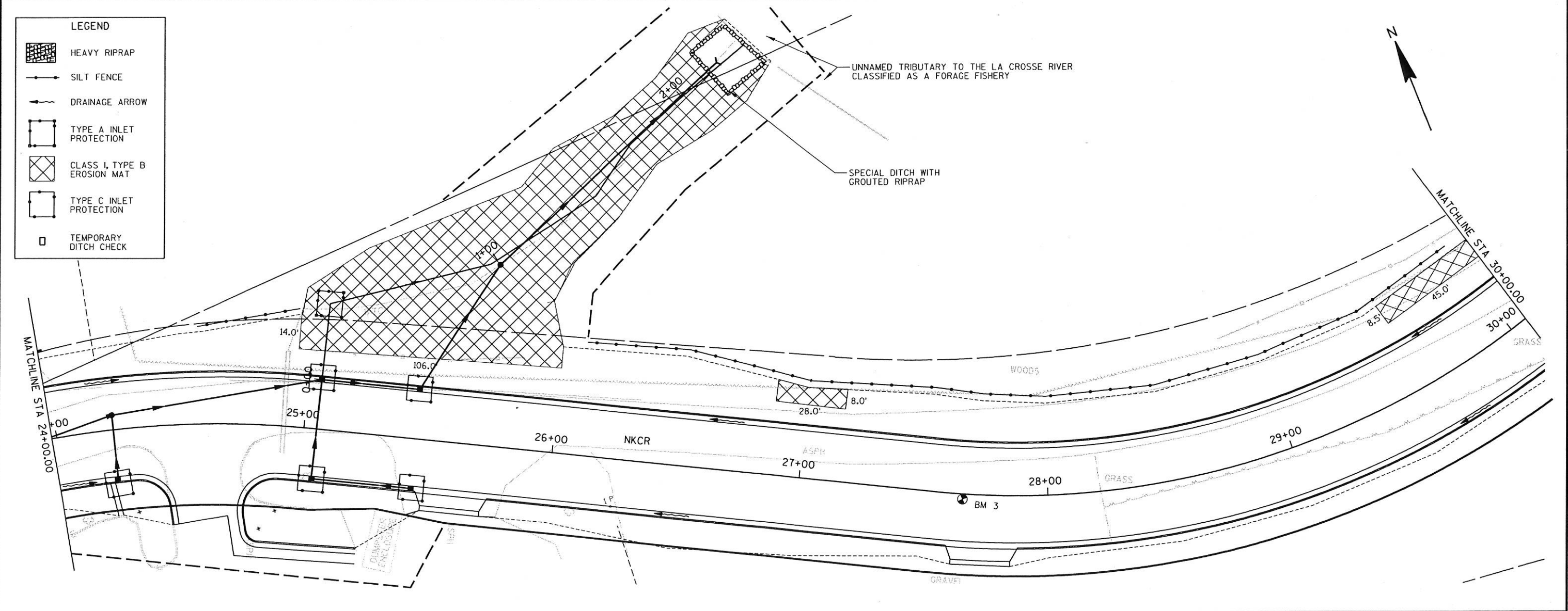


BEGIN STATE PROJECT  
5991-02-33  
STA 18+57.35

MATCHLINE STA 24+00.00

**LEGEND**

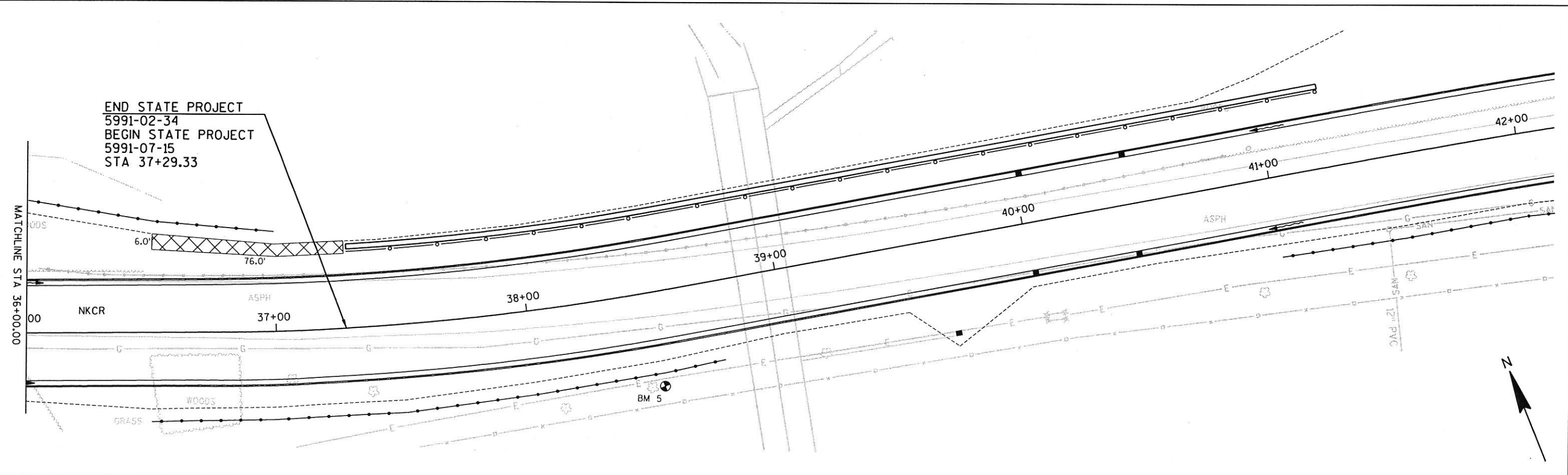
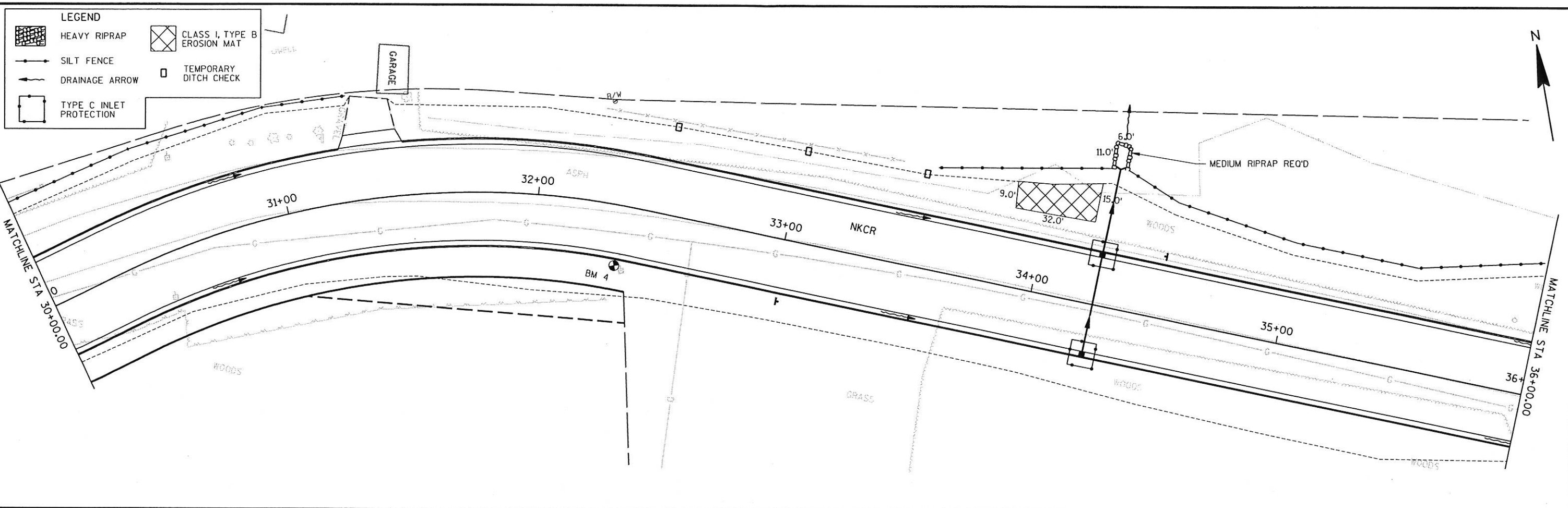
- HEAVY RIPRAP
- SILT FENCE
- DRAINAGE ARROW
- TYPE A INLET PROTECTION
- CLASS I, TYPE B EROSION MAT
- TYPE C INLET PROTECTION
- TEMPORARY DITCH CHECK



MATCHLINE STA 24+00.00

MATCHLINE STA 30+00.00

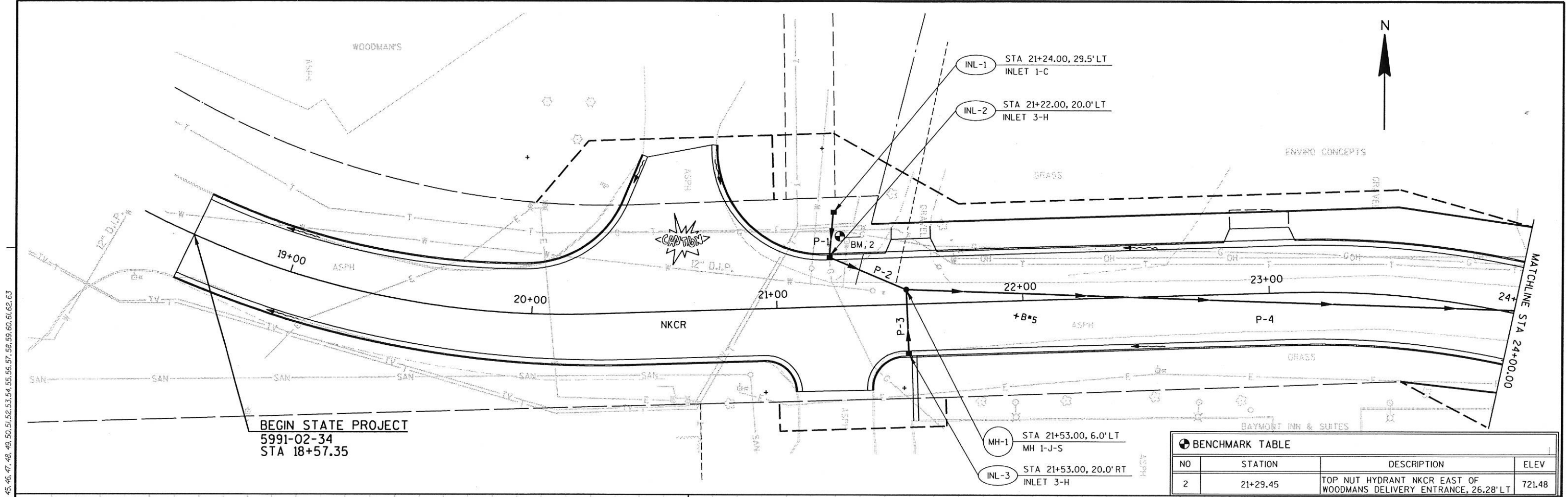
STATE PROJECT NUMBER: 5991-02-34	HWY: NKCR	COUNTY: LA CROSSE	EROSION CONTROL	SCALE, FEET	SHEET NO: <b>E</b>
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END STATE PROJECT  
5991-02-34  
BEGIN STATE PROJECT  
5991-07-15  
STA 37+29.33

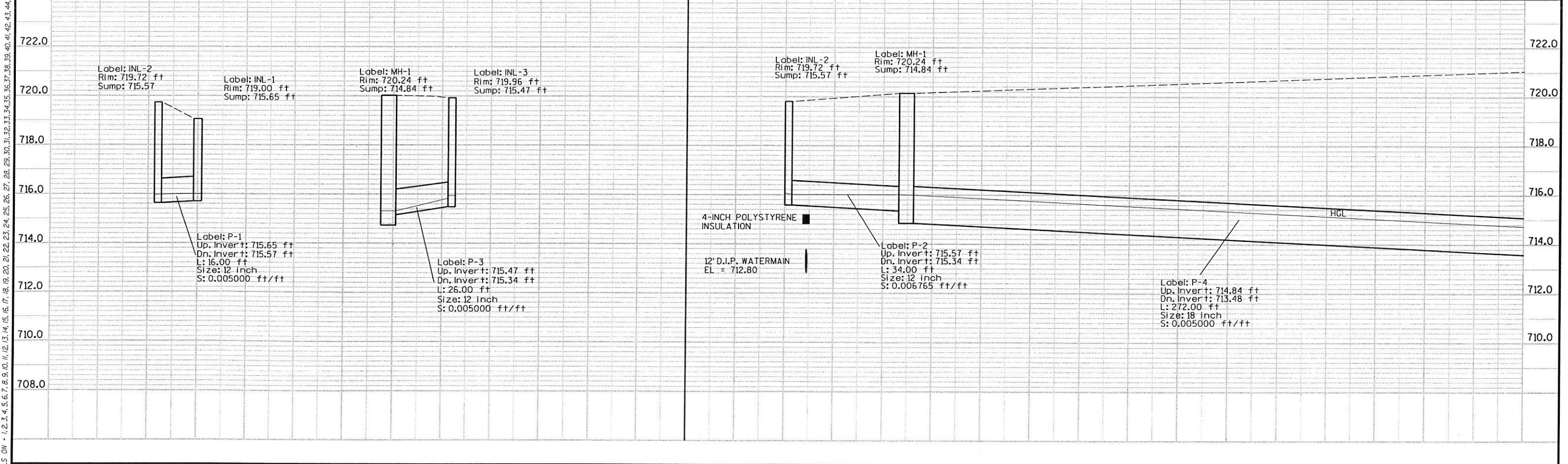
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BEGIN STATE PROJECT  
5991-02-34  
STA 18+57.35

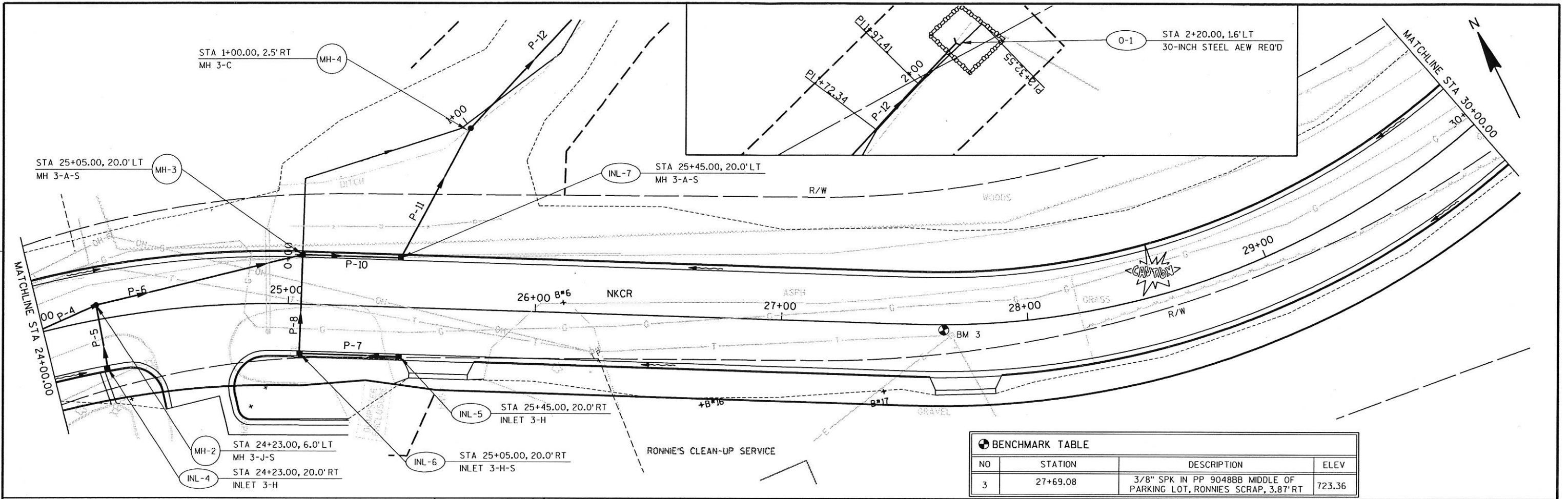
BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
2	21+29.45	TOP NUT HYDRANT NKCR EAST OF WOODMANS DELIVERY ENTRANCE, 26.28' LT	721.48



STATE PROJECT NUMBER: 5991-02-34    HWY: NKCR    COUNTY: LA CROSSE    STORM SEWER    SCALE, FEET 0 20 40    SHEET NO: E

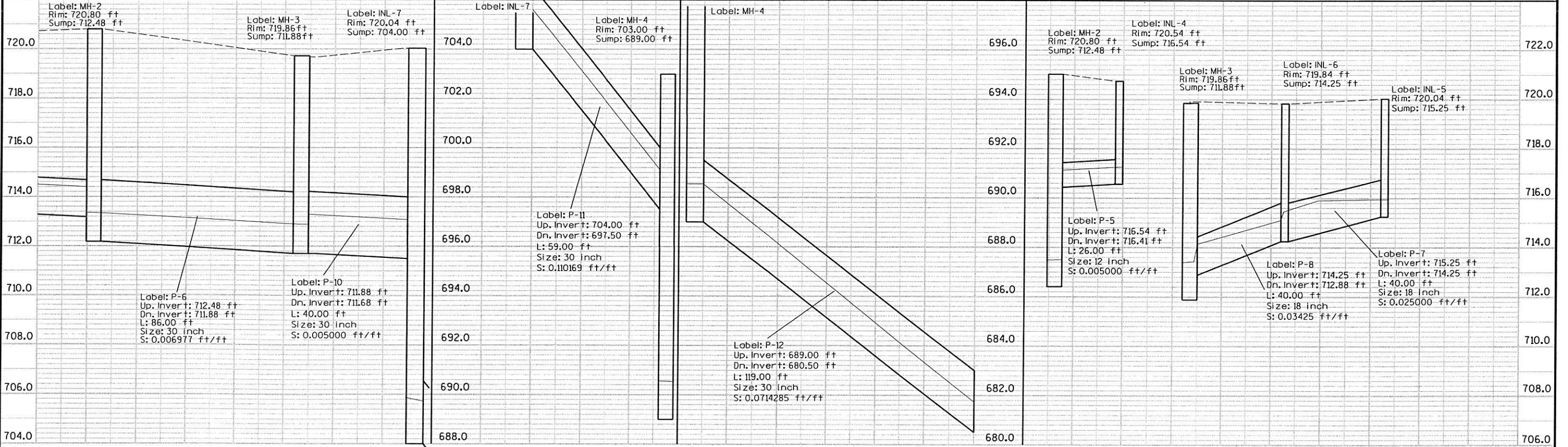


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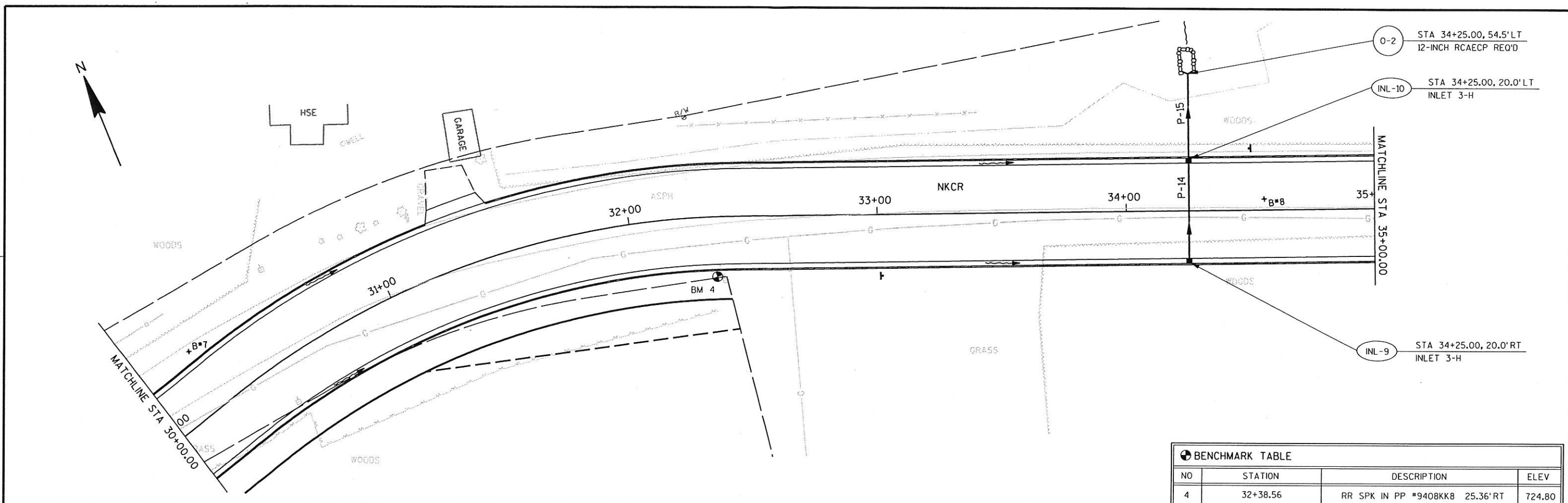
**BENCHMARK TABLE**

NO	STATION	DESCRIPTION	ELEV
3	27+69.08	3/8" SPK IN PP 9048BB MIDDLE OF PARKING LOT, RONNIES SCRAP, 3.87' RT	723.36

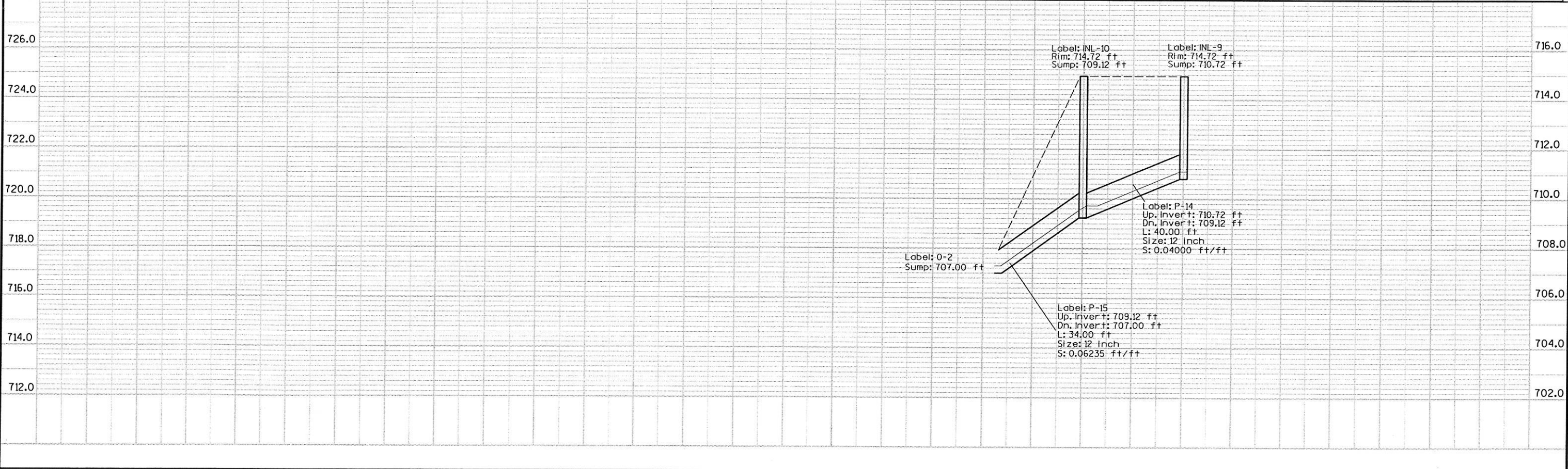




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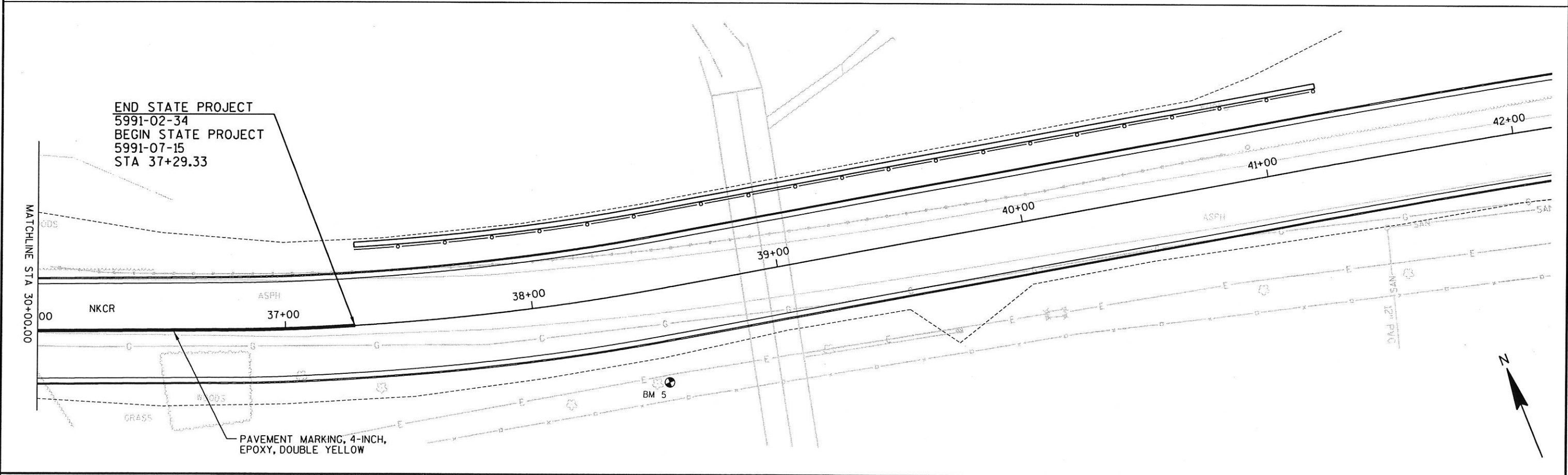
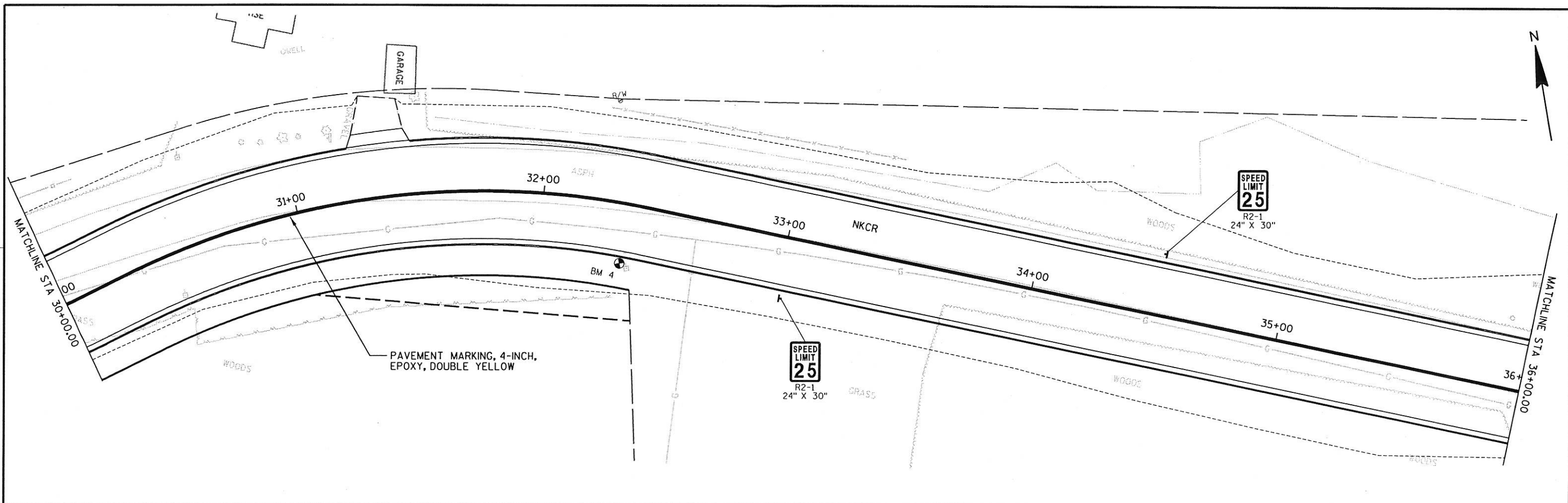
BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
4	32+38.56	RR SPK IN PP #9408KK8 25.36'RT	724.80





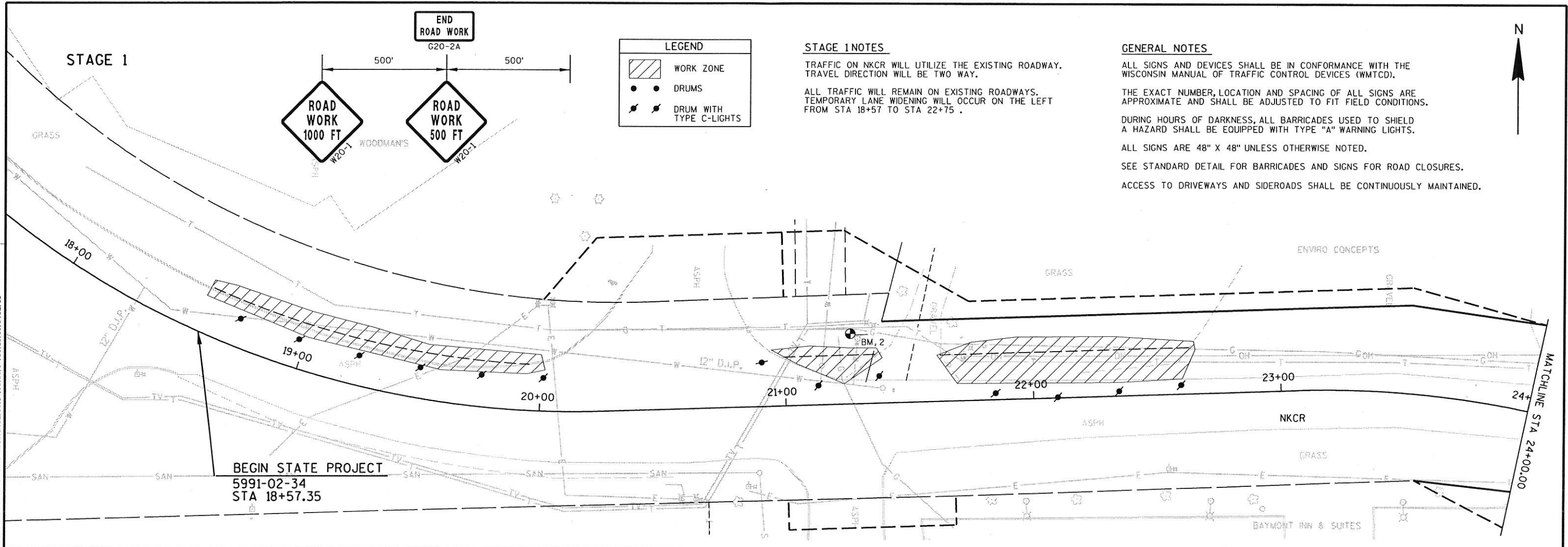


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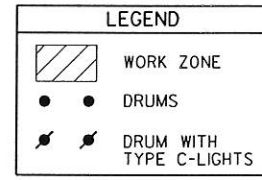
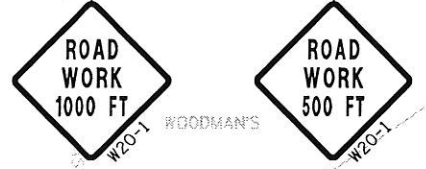
STATE PROJECT NUMBER: 5991-02-34	HWY: NKCR	COUNTY: LA CROSSE	PERM SIGNING & PAVEMENT MARKING	SCALE, FEET	SHEET NO: <b>E</b>
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LEVELS ON - 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 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



**STAGE 1**

END ROAD WORK  
G20-2A



**STAGE 1 NOTES**

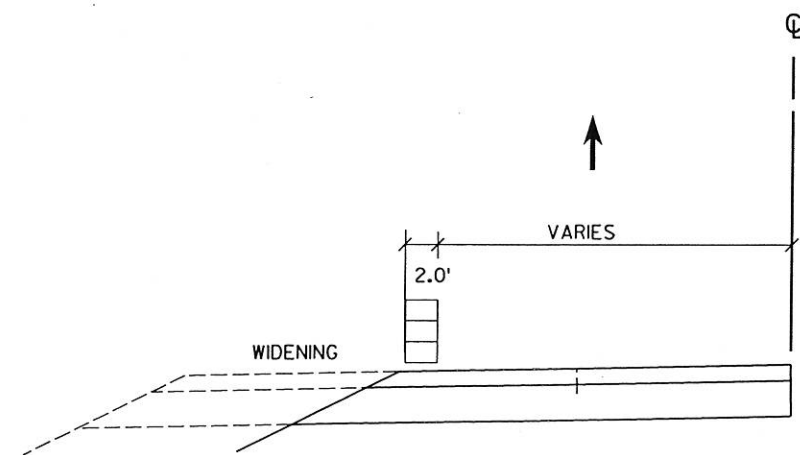
TRAFFIC ON NKCR WILL UTILIZE THE EXISTING ROADWAY. TRAVEL DIRECTION WILL BE TWO WAY.  
ALL TRAFFIC WILL REMAIN ON EXISTING ROADWAYS. TEMPORARY LANE WIDENING WILL OCCUR ON THE LEFT FROM STA 18+57 TO STA 22+75 .

**GENERAL NOTES**

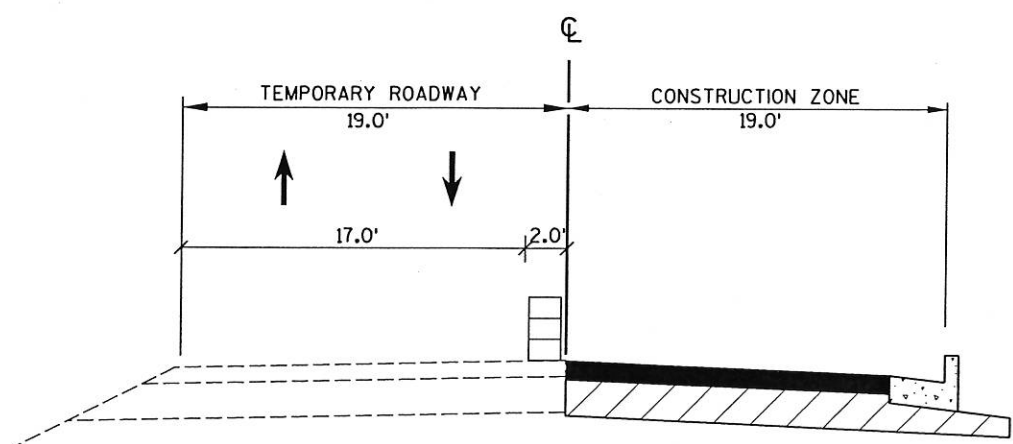
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF TRAFFIC CONTROL DEVICES (WMTCD).  
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.  
DURING HOURS OF DARKNESS, ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH TYPE "A" WARNING LIGHTS.  
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.  
SEE STANDARD DETAIL FOR BARRICADES AND SIGNS FOR ROAD CLOSURES.  
ACCESS TO DRIVEWAYS AND SIDEROADS SHALL BE CONTINUOUSLY MAINTAINED.

BEGIN STATE PROJECT  
5991-02-34  
STA 18+57.35

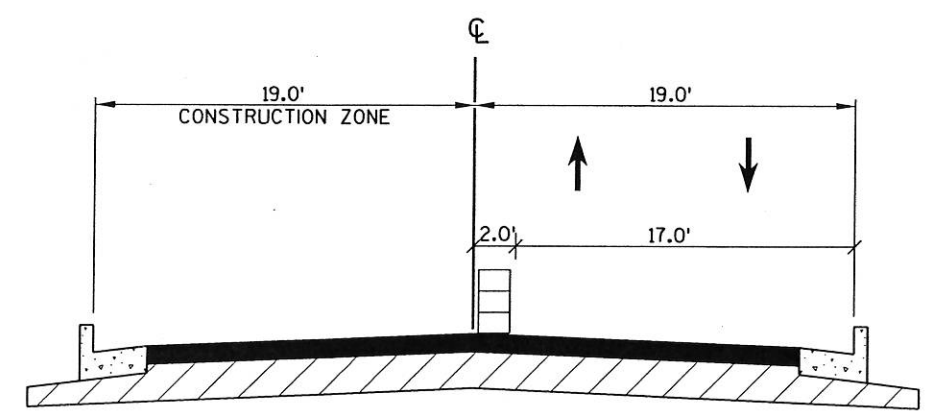
MATCHLINE STA 24+00.00



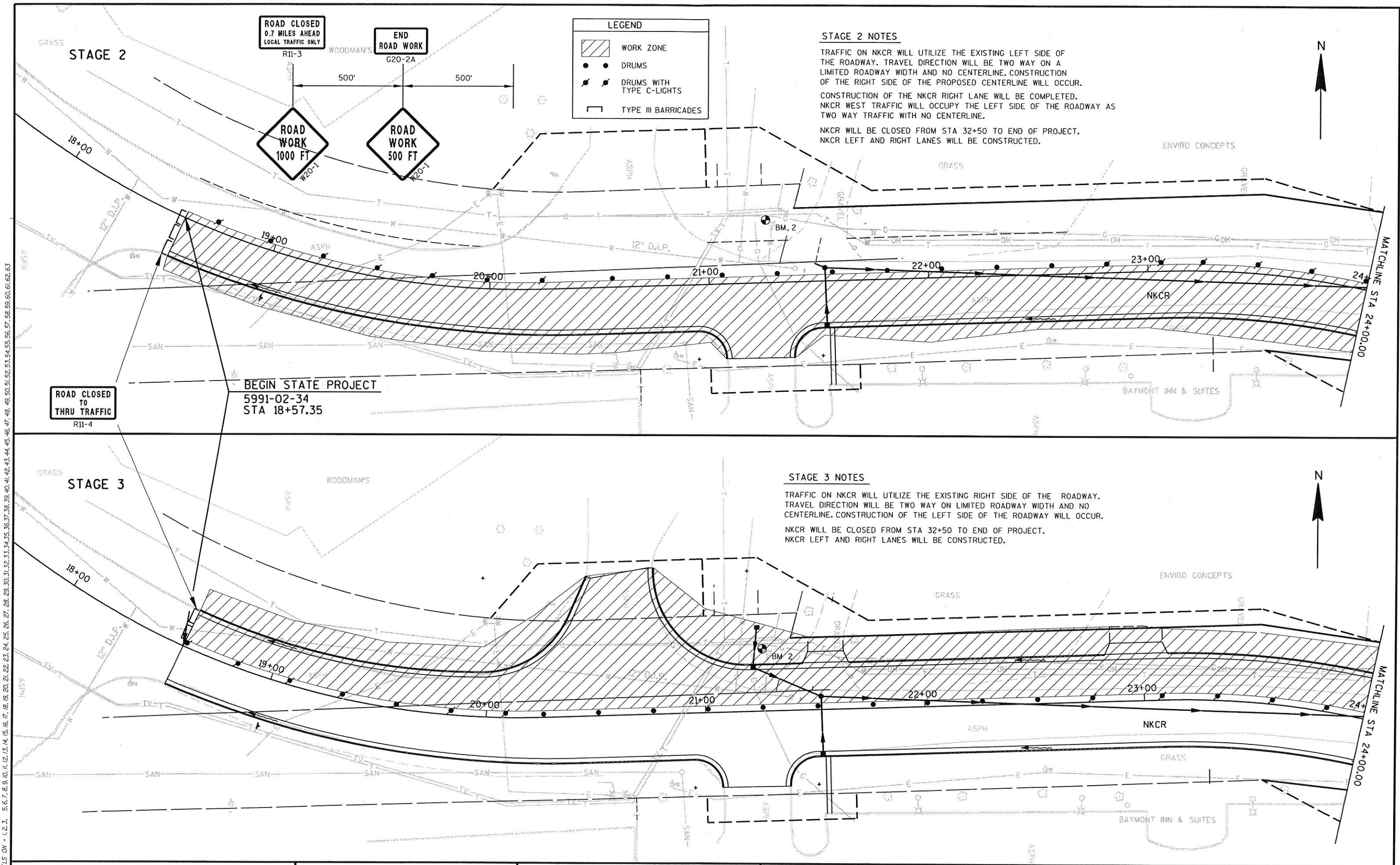
**STAGE 1**



**STAGE 2**



**STAGE 3**



ROAD CLOSED  
0.7 MILES AHEAD  
LOCAL TRAFFIC ONLY

END  
ROAD WORK

ROAD WORK  
1000 FT

ROAD WORK  
500 FT

**LEGEND**

- WORK ZONE
- DRUMS
- DRUMS WITH TYPE C-LIGHTS
- TYPE III BARRICADES

**STAGE 2 NOTES**

TRAFFIC ON NKCR WILL UTILIZE THE EXISTING LEFT SIDE OF THE ROADWAY. TRAVEL DIRECTION WILL BE TWO WAY ON A LIMITED ROADWAY WIDTH AND NO CENTERLINE. CONSTRUCTION OF THE RIGHT SIDE OF THE PROPOSED CENTERLINE WILL OCCUR.

CONSTRUCTION OF THE NKCR RIGHT LANE WILL BE COMPLETED. NKCR WEST TRAFFIC WILL OCCUPY THE LEFT SIDE OF THE ROADWAY AS TWO WAY TRAFFIC WITH NO CENTERLINE.

NKCR WILL BE CLOSED FROM STA 32+50 TO END OF PROJECT. NKCR LEFT AND RIGHT LANES WILL BE CONSTRUCTED.

**STAGE 3 NOTES**

TRAFFIC ON NKCR WILL UTILIZE THE EXISTING RIGHT SIDE OF THE ROADWAY. TRAVEL DIRECTION WILL BE TWO WAY ON LIMITED ROADWAY WIDTH AND NO CENTERLINE. CONSTRUCTION OF THE LEFT SIDE OF THE ROADWAY WILL OCCUR.





NKCR WILL BE CLOSED FROM STA 32+50 TO END OF PROJECT. NKCR LEFT AND RIGHT LANES WILL BE CONSTRUCTED.

LEVELS ON - 1,2,3, 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



**STAGE 2**

**LEGEND**

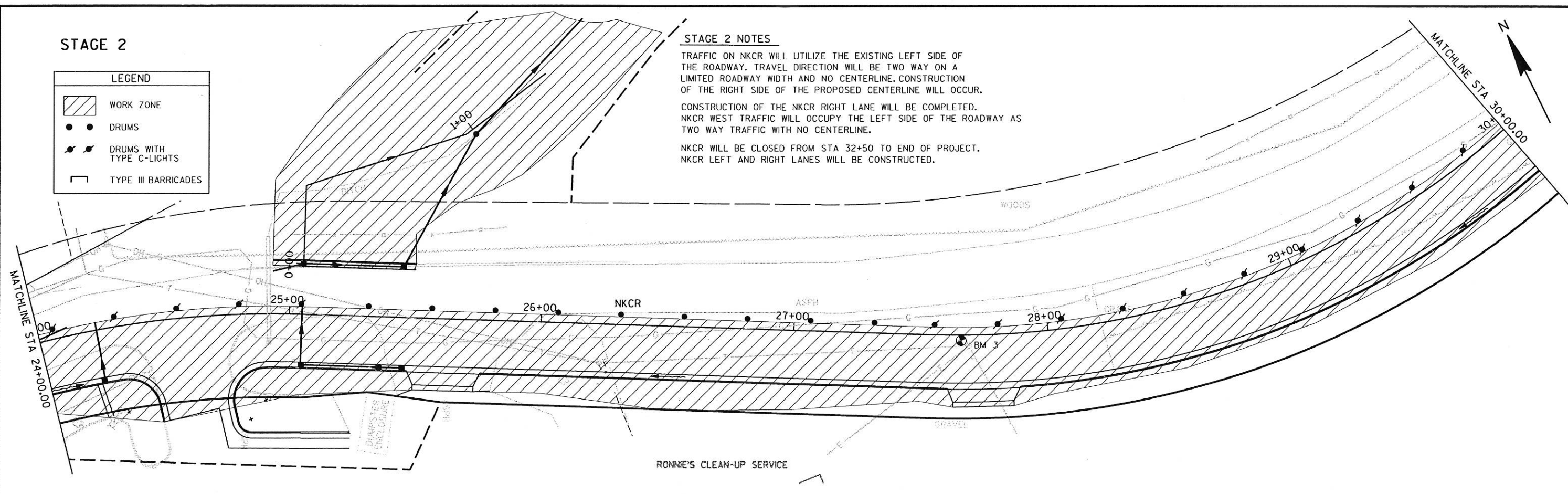
-  WORK ZONE
-  DRUMS
-  DRUMS WITH TYPE C-LIGHTS
-  TYPE III BARRICADES

**STAGE 2 NOTES**

TRAFFIC ON NKCR WILL UTILIZE THE EXISTING LEFT SIDE OF THE ROADWAY. TRAVEL DIRECTION WILL BE TWO WAY ON A LIMITED ROADWAY WIDTH AND NO CENTERLINE. CONSTRUCTION OF THE RIGHT SIDE OF THE PROPOSED CENTERLINE WILL OCCUR.

CONSTRUCTION OF THE NKCR RIGHT LANE WILL BE COMPLETED. NKCR WEST TRAFFIC WILL OCCUPY THE LEFT SIDE OF THE ROADWAY AS TWO WAY TRAFFIC WITH NO CENTERLINE.

NKCR WILL BE CLOSED FROM STA 32+50 TO END OF PROJECT. NKCR LEFT AND RIGHT LANES WILL BE CONSTRUCTED.

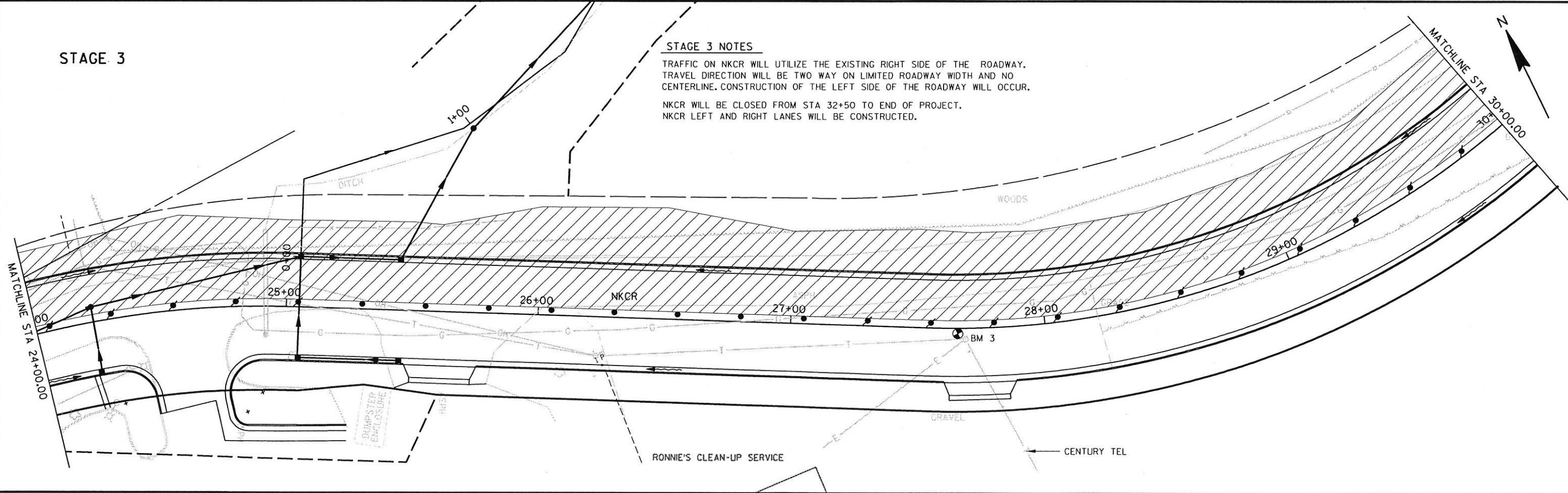


**STAGE 3**

**STAGE 3 NOTES**

TRAFFIC ON NKCR WILL UTILIZE THE EXISTING RIGHT SIDE OF THE ROADWAY. TRAVEL DIRECTION WILL BE TWO WAY ON LIMITED ROADWAY WIDTH AND NO CENTERLINE. CONSTRUCTION OF THE LEFT SIDE OF THE ROADWAY WILL OCCUR.

NKCR WILL BE CLOSED FROM STA 32+50 TO END OF PROJECT. NKCR LEFT AND RIGHT LANES WILL BE CONSTRUCTED.







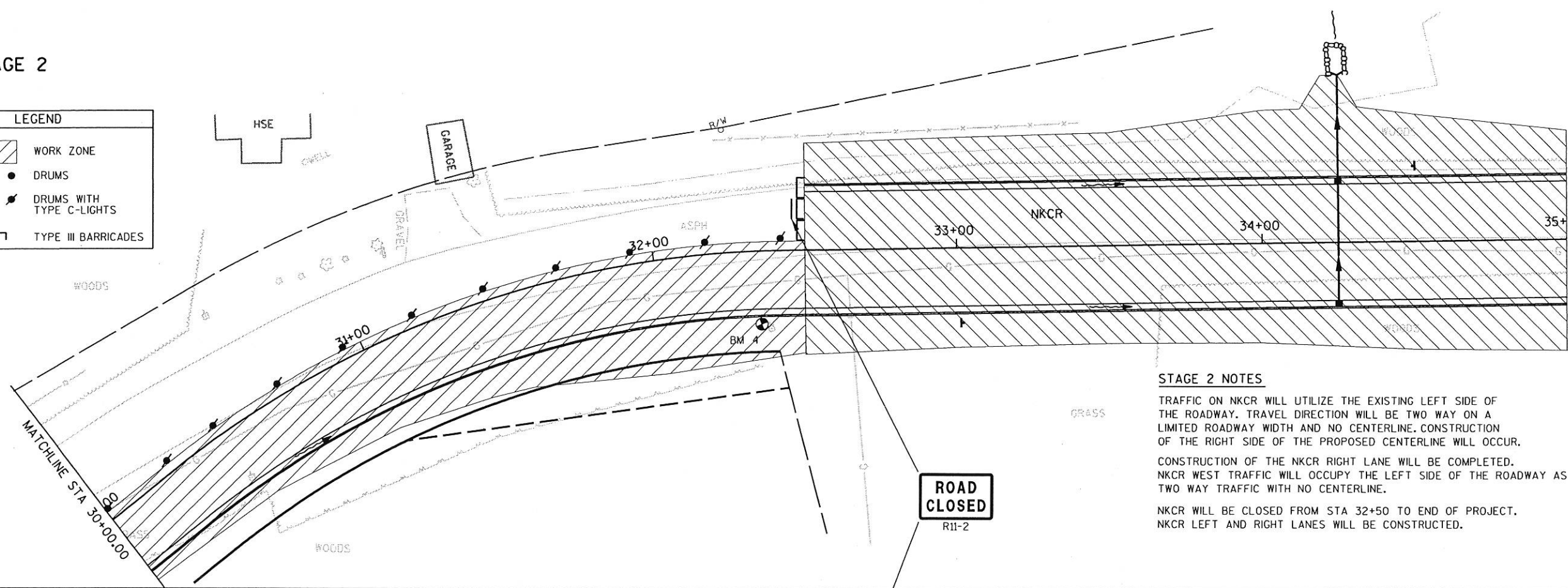
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STATE PROJECT NUMBER: 5991-02-34	HWY: NKCR	COUNTY: LA CROSSE	TRAFFIC CONTROL	SCALE, FEET 	SHEET NO: <b>E</b>
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STAGE 2

**LEGEND**

-  WORK ZONE
-  DRUMS
-  DRUMS WITH TYPE C-LIGHTS
-  TYPE III BARRICADES



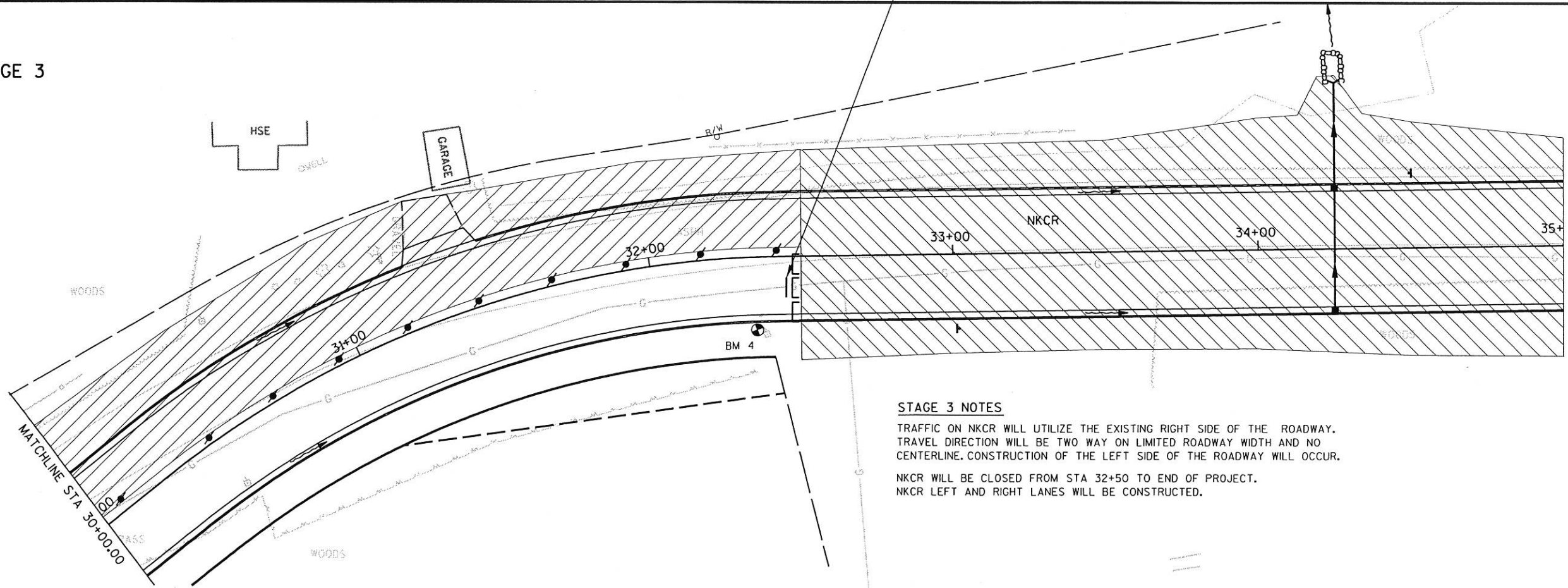
**STAGE 2 NOTES**

TRAFFIC ON NKCR WILL UTILIZE THE EXISTING LEFT SIDE OF THE ROADWAY. TRAVEL DIRECTION WILL BE TWO WAY ON A LIMITED ROADWAY WIDTH AND NO CENTERLINE. CONSTRUCTION OF THE RIGHT SIDE OF THE PROPOSED CENTERLINE WILL OCCUR.

CONSTRUCTION OF THE NKCR RIGHT LANE WILL BE COMPLETED. NKCR WEST TRAFFIC WILL OCCUPY THE LEFT SIDE OF THE ROADWAY AS TWO WAY TRAFFIC WITH NO CENTERLINE.

NKCR WILL BE CLOSED FROM STA 32+50 TO END OF PROJECT. NKCR LEFT AND RIGHT LANES WILL BE CONSTRUCTED.

STAGE 3



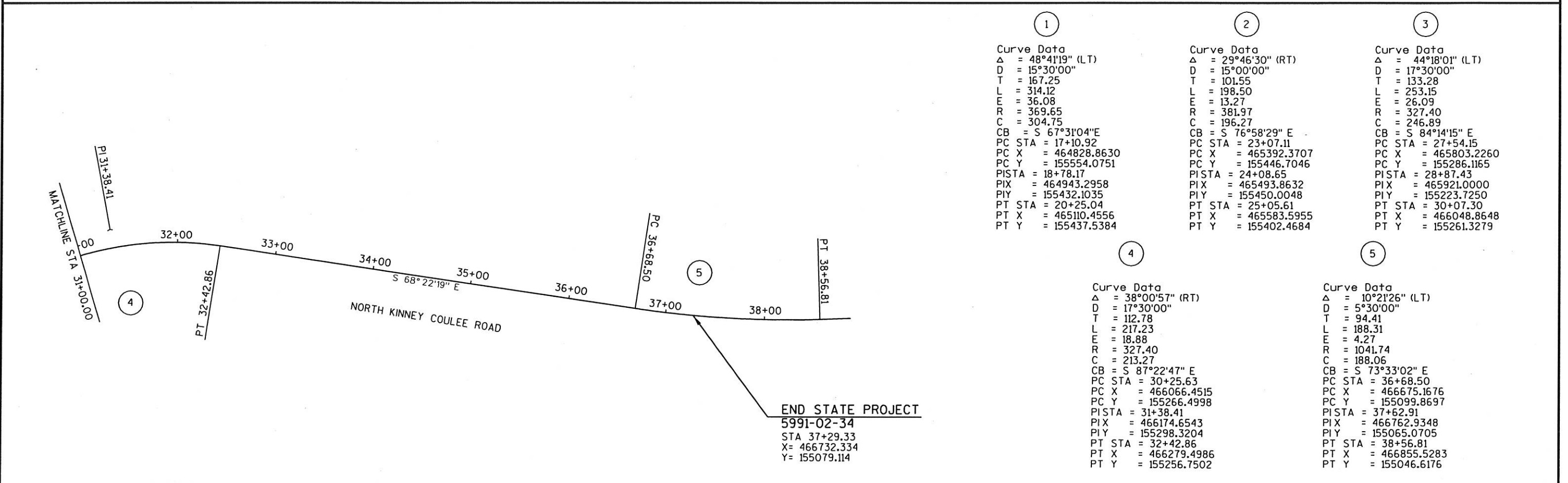
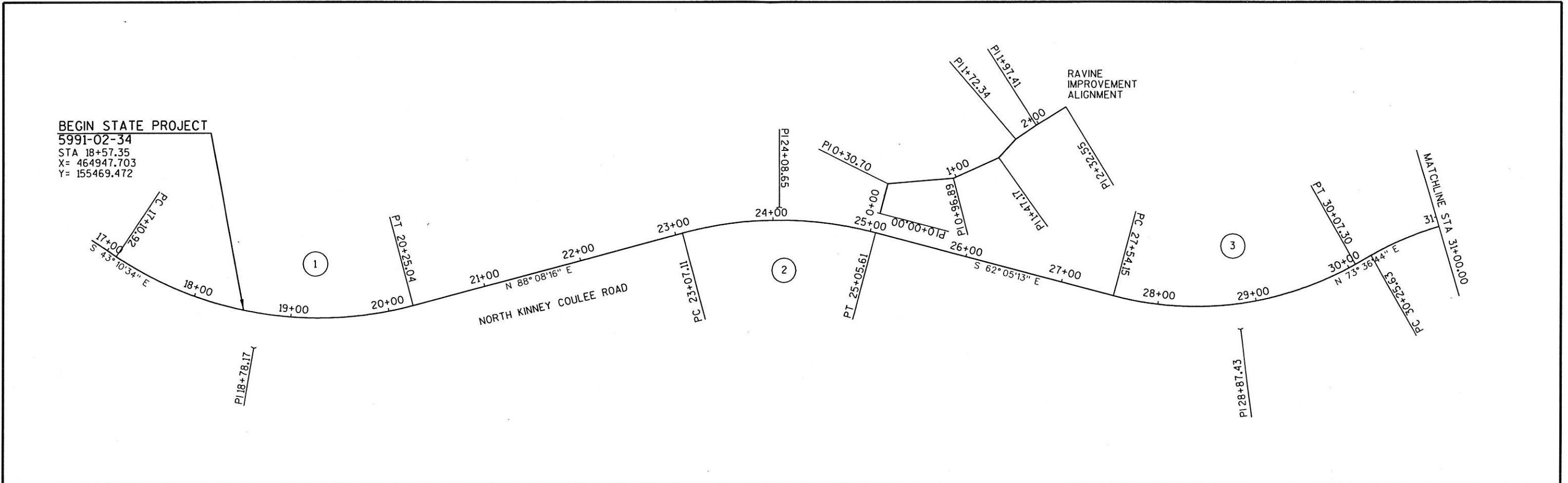
**STAGE 3 NOTES**

TRAFFIC ON NKCR WILL UTILIZE THE EXISTING RIGHT SIDE OF THE ROADWAY. TRAVEL DIRECTION WILL BE TWO WAY ON LIMITED ROADWAY WIDTH AND NO CENTERLINE. CONSTRUCTION OF THE LEFT SIDE OF THE ROADWAY WILL OCCUR.

NKCR WILL BE CLOSED FROM STA 32+50 TO END OF PROJECT. NKCR LEFT AND RIGHT LANES WILL BE CONSTRUCTED.

LEVELS DM \* 1,2,3, 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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Curve No.	Curve Data
1	Δ = 48°41'19" (LT) D = 15°30'00" T = 167.25 L = 314.12 E = 36.08 R = 369.65 C = 304.75 CB = S 67°31'04" E PC STA = 17+10.92 PC X = 464828.8630 PC Y = 155554.0751 PISTA = 18+78.17 PIX = 464943.2958 PIY = 155432.1035 PT STA = 20+25.04 PT X = 465110.4556 PT Y = 155437.5384
2	Δ = 29°46'30" (RT) D = 15°00'00" T = 101.55 L = 198.50 E = 13.27 R = 381.97 C = 196.27 CB = S 76°58'29" E PC STA = 23+07.11 PC X = 465392.3707 PC Y = 155446.7046 PISTA = 24+08.65 PIX = 465493.8632 PIY = 155450.0048 PT STA = 25+05.61 PT X = 465583.5955 PT Y = 155402.4684
3	Δ = 44°18'01" (LT) D = 17°30'00" T = 133.28 L = 253.15 E = 26.09 R = 327.40 C = 246.89 CB = S 84°14'15" E PC STA = 27+54.15 PC X = 465803.2260 PC Y = 155286.1165 PISTA = 28+87.43 PIX = 465921.0000 PIY = 155223.7250 PT STA = 30+07.30 PT X = 466048.8648 PT Y = 155261.3279
4	Δ = 38°00'57" (RT) D = 17°30'00" T = 112.78 L = 217.23 E = 18.88 R = 327.40 C = 213.27 CB = S 87°22'47" E PC STA = 30+25.63 PC X = 466066.4515 PC Y = 155266.4998 PISTA = 31+38.41 PIX = 466174.6543 PIY = 155298.3204 PT STA = 32+42.86 PT X = 466279.4986 PT Y = 155256.7502
5	Δ = 10°21'26" (LT) D = 5°30'00" T = 94.41 L = 188.31 E = 4.27 R = 1041.74 C = 188.06 CB = S 73°33'02" E PC STA = 36+68.50 PC X = 466675.1676 PC Y = 155099.8697 PISTA = 37+62.91 PIX = 466762.9348 PIY = 155065.0705 PT STA = 38+56.81 PT X = 466855.5283 PT Y = 155046.6176



LEVELS ON - 1, 2, 3, 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
24+50 - 27+00	LT	3	3
28+25 - 30+00	RT	2	2
31+50 - 37+00	LT	6	6
33+50 - 36+00	RT	3	3
36+50 - 37+00	RT	1	1
0+25 - 2+00	RAVINE	2	2
PROJECT ITEM TOTALS:		17	17

REMOVING OLD CULVERTS; REMOVING INLETS				
STATION	LOCATION	REMOVING OLD CULVERTS EACH	REMOVING INLETS EACH	COMMENTS
24+92	LT		1	
24+92	CROSS	1		18"X40' CMCP
PROJECT ITEM TOTALS:		1	1	

REMOVING CURB & GUTTER REMOVING CURB REMOVING GUARDRAIL				
STATION	LOCATION	REMOVING CURB LF	REMOVING CURB & GUTTER LF	REMOVING GUARDRAIL LF
36+04 - 37+29	LT			125
18+58 - 20+50	LT		180	
21+25	RT	20		
24+50	RT	100		
PROJECT ITEM TOTALS:		120	180	125

CONC CURB & GUTTER, 30-INCH, SPECIAL CONSTRUCTION STAKING, CURB, GUTTER, AND CURB AND GUTTER CONCRETE GUTTER, 24-INCH				
STATION	LOCATION	CONCRETE GUTTER 24-INCH LF	CONCRETE CURB & GUTTER, 30-INCH, TYPE D LF	CONSTRUCTION STAKING, CURB, GUTTER, AND CURB AND GUTTER LF
18+57 - 21+50	LT		210	210
20+50 - 37+29	LT		1680	1680
18+57 - 21+25	RT		270	270
21+25 - 24+50	RT		320	320
24+50 - 37+29	RT		1320	1320
21+55	RT	26		26
24+19	RT	14		14
PROJECT ITEM TOTALS:		40	3800	3840

RIPRAP; GEOTEXTILE FABRIC					
STATION	LOCATION	MEDIUM RANDOM RIPRAP CY	GEOTEXTILE FABRIC, TYPE R SY	GROUTED RIPRAP CY	GEOTEXTILE FABRIC, TYPE HR SY
25+05	LT			35	70
34+25	LT	3	10		
PROJECT ITEM TOTALS:		3	10	35	70

PAVEMENT MARKING, 4-INCH, EPOXY			
STATION	LOCATION	4-INCH, EPOXY LF	COMMENTS
18+57 - 37+29	CENTERLINE	3750	DOUBLE YELLOW
PROJECT ITEM TOTAL:		3750	

CONSTRUCTION STAKING, SUBGRADE; CONSTRUCTION STAKING, INITIAL LAYOUT				
STATION	LOCATION	CONSTRUCTION STAKING, SUBGRADE LF	CONSTRUCTION STAKING, INITIAL LAYOUT LF	
18+57 - 37+29	NKCR	1870		
18+57 - 37+29	NKCR		1870	
PROJECT ITEM TOTALS:		1870	1870	

SAWING EXISTING PAVEMENT		
STATION	LOCATION	LF
18+57	NKCR	33
20+58	LT	30
21+23	RT	30
24+60	RT	86
25+50	RT	36
PROJECT ITEM TOTAL:		215

EXCAVATION AND HAULING OF PETROLEUM-CONTAMINATED SOIL		
STATION	LOCATION	CY
27+00	RT	130
PROJECT ITEM TOTAL:		130

POLYSTYRENE INSULATION BOARD, 4-INCH		
STATION	LOCATION	SF
21+28	17.5' LT	12
PROJECT ITEM TOTAL:		12

ASPHALT QUANTITIES					
STATION	LOCATION	ASPHALTIC CONC PAVEMENT TYPE E-3 TON	ASPHALTIC MATERIAL FOR PLANT MIXES TON	ASPHALTIC MATERIAL FOR TACK COAT GAL	OMP, ASPHALTIC MIXTURE TON
18+57 - 37+29	NKCR	2355	142	215	2355
PROJECT ITEM TOTAL:		2355	142	215	2355

EARTHWORK SUMMARY					
		EXP. FACTOR=1.30			
STATION	LOCATION	COMMON EXCAVATION CY	EXPANDED FILL CY	BORROW CY	WASTE CY
STAGE 1					
18+57-22+50	LT	205	10	0	195
STAGE 2					
18+57-32+50	RT	3030	300	0	2730
25+05	RAVINE	150	1200	1050	
STAGE 3					
18+57-32+50	LT	1325	1150	0	175
ROAD CLOSED					
32+50-37+29	NKCR	1945	260	0	1685
PROJECT ITEM TOTALS:		6450	2910	1050	4590

EROSION CONTROL												
STATION	LOCATION	SILT FENCE, DELIVERED LF	SILT FENCE, INSTALLED LF	SILT FENCE MAINTENANCE LF	MOBILIZATIONS, EROSION CONTROL EACH	MOBILIZATIONS, EMERGENCY EROSION CONTROL EACH	EROSION MAT, DELIVERED, CLASS I, TYPE B SY	EROSION MAT, INSTALLED, CLASS I, TYPE B SY	TEMPORARY DITCH CHECKS, DELIVERED LF	TEMPORARY DITCH CHECKS, INSTALLED LF	INLET PROTECTION, TYPE A EACH	INLET PROTECTION, TYPE C EACH
18+57 - 37+29	NKCR	1300	1300	2600	2	2	450	450	30	30	2	9
25+05	RAVINE	100	100	200	1	1	100	100				
UNDISTRIBUTED		100	100	200			50	50	20	20		
PROJECT ITEM TOTALS:		1500	1500	3000	3	3	1600	1600	50	50	2	9

LEVELS ON - 1,2, 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.

**STORM SEWER SUMMARY**

STRUCTURE	STATION	OFFSET	MANHOLES, TYPE I EACH	MANHOLES, TYPE 3 EACH	INLETS, TYPE 1 EACH	INLETS, TYPE 3 EACH	INLET COVERS, TYPE A-S EACH	INLET COVERS, TYPE J-S EACH	INLET COVERS, TYPE C EACH	INLET COVERS, TYPE H EACH	INLET COVERS, TYPE H-S EACH	RIM EL	SUMP EL	DEPTH FT	PIPE	INLET INVERT EL	DISCHARGE INVERT EL	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	PIPE SLOPE	RCP, CLASS III 12-INCH LF	RCP, CLASS III 18-INCH LF	RCP, CLASS III 30-INCH LF	RCAECP 12-INCH EACH	STEEL AEW 30-INCH EACH	CSCP 30-INCH LF	COMMENT
INL-1	21+24	29.5'LT			1				1			719.00	715.65	2.10	P-1	715.65	715.57	INL-1	MH-1	0.500%	16						
INL-2	21+22	20.0'LT				1				1		719.72	715.57	3.15	P-2	715.57	715.34	INL-2	MH-1	0.676%	34						
INL-3	21+53	20.0'RT										719.96	715.47	3.49	P-3	715.47	715.34	INL-3	MH-1	0.500%	26						
MH-1	21+53	6.0'LT	1					1				720.24	714.84	4.15	P-4	714.84	713.48	MH-1	MH-2	0.500%		272	86				
MH-2	24+23	6.0'LT		1						1		720.80	712.48	7.07	P-6	712.48	711.88	MH-2	MH-3	0.698%							
INL-4	24+23	20.0'RT				1						720.54	716.54	3.00	P-5	716.54	716.41	INL-4	MH-2	0.500%	26						
INL-5	25+45	20.0'RT										720.04	715.25	3.79	P-7	715.25	714.25	INL-5	MH-6	2.500%		40					
INL-6	25+05	20.0'RT										719.84	714.25	4.59	P-8	714.25	712.88	INL-6	MH-3	3.425%		40					
INL-7	25+45	20.0'LT										720.04	704.00	15.04	P-11	704.00	697.50	INL-7	MH-4	11.017%							59
MH-3	25+05	20.0'LT		1				1				719.86	711.88	6.90	P-10	711.88	711.68	MH-3	INL-7	0.500%				40			
MH-4	1+00	2.5'RT		1					1			703.00	689.00	12.75	P-12	689.00	680.50	MH-4	O-1	7.143%							119
O-1	25+25	57.5'LT										711.65	711.65	0.00											1		ROUTED RIPRAP CHANNEL
INL-9	34+25	20.0'RT				1						714.72	710.72	3.00	P-14	710.72	709.12	INL-9	INL-10	4.000%	40						
INL-10	34+25	20.0'LT										714.72	709.12	4.60	P-15	709.12	707.00	INL-10	O-2	6.235%	34						
O-2	34+25	54.5'LT										707.00	707.00	0.00													EXISTING RAVINE
<b>PROJECT ITEM TOTALS:</b>			1	4	1	7	2	2	2	6	1										176	352	126	1	1	178	

**TRAFFIC CONTROL**

CONSTRUCTION STAGE	STATION	LOCATION	STAGE DURATION	SURVEILLANCE AND MAINTENANCE DAYS	DRUMS REQ'D	DRUMS DAYS	BARRICADES, TYPE III REQ'D	BARRICADES, TYPE III DAYS	WARNING LIGHTS, TYPE A REQ'D	WARNING LIGHTS, TYPE A DAYS	WARNING LIGHTS, TYPE C REQ'D	WARNING LIGHTS, TYPE C DAYS	SIGNS REQ'D	SIGNS DAYS
1	18+57 - 22+75	NKCR	2	2	13	26	0	0	6	12	13	26	8	16
	UNDISTRIBUTED				2	4	0	0	4	8	4	8	2	4
2	18+57 - 37+29	NKCR	34	34	58	1972	6	204	16	544	39	1326	6	204
	UNDISTRIBUTED				10	340	2	68	4	136	8	272	2	68
3	18+57 - 37+29	NKCR	28	28	56	1568	5	140	15	420	38	1064	6	168
	UNDISTRIBUTED				10	280	2	56	4	112	8	224	2	56
<b>PROJECT ITEM TOTALS:</b>			64	64		4190		468		1232		2916		516

**FINISHING**

STATION	LOCATION	SALVAGED TOPSOIL SY	MULCHING SY	FERTILIZER, TYPE B CWT	SEEDING, TEMPORARY LB	SEEDING, MIXTURE NO 40 LB	EROSION CONTROL SOD SANDY SOIL SY
18+57 - 37+29	NKCR	5000	6100	4.0	85	110	
25+05	RAVINE	1000	1200	2.0	20	30	
UNDISTRIBUTED		500	500	1.5	25	35	200
<b>PROJECT ITEM TOTAL</b>		6500	7800	7.5	130	175	200

**SIGNS, TYPE II, REFLECTIVE; WOOD POSTS**

SIGN NAME	SIGN CODE	STATION	LOCATION	SIGNS, TYPE II, REFLECTIVE SF	WOOD POSTS, 4x4-INCH x 12 FT EACH	COMMENTS
SPEED LIMIT	R2-1	19+00	23'RT	5.00	1	SPEED LIMIT 25MPH
SPEED LIMIT	R2-1	33+00	25'RT	5.00	1	SPEED LIMIT 25MPH
SPEED LIMIT	R2-1	34+50	25'LT	5.00	1	SPEED LIMIT 25MPH
<b>PROJECT ITEM TOTALS:</b>				15.00	3	

**CRUSHED AGGREGATE BASE COURSE; CONSTRUCTION STAKING, CRUSHED AGGREGATE BASE COURSE; OMP, BASE COURSES**

STATION	LOCATION	CABC TON	CONSTRUCTION STAKING, CABC LF	OMP, BASE COURSES TON	CALCIUM CHLORIDE SURFACE TREATMENT TON	WATER MGAL
18+57 - 37+29	NKCR	8850	1872	8850	7.5	40
DRIVEWAYS	NKCR	400				
<b>PROJECT ITEM TOTAL:</b>		9250	1872	9250	7.5	40

**SAFETY FENCE**

STATION	LOCATION	LF
31+60 - 33+85	LT	225
<b>PROJECT ITEM TOTAL:</b>		225

**CONCRETE BUTTRASS**

STATION	LOCATION	CY
2+10	RAVINE	3
<b>PROJECT ITEM TOTAL:</b>		3

**ADJUSTING MANHOLE COVERS**

STATION	LOCATION	EACH
21+00	NKCR	1
21+40	NKCR	1
<b>PROJECT ITEM TOTAL:</b>		2

CATEGORY 020

**ADJUSTING WATER VALVES**

STATION	LOCATION	EACH
21+44	NKCR	1
<b>PROJECT ITEM TOTAL:</b>		1

CATEGORY 020

**ADJUSTING FIRE HYDRANTS AND AUXILIARY VALVES**

STATION	LOCATION	EACH
21+29	NKCR	1
<b>PROJECT ITEM TOTAL:</b>		1

CATEGORY 020



**CONVENTIONAL SIGNS AND ABBREVIATIONS**

A.P. ACCESS POINT  
 AC. ACRES  
 AG. AGRICULTURAL  
 A.H. AHEAD  
 ALUM. ALUMINUM  
 ET.AL. AND OTHERS  
 BK. BACK  
 ASPH. ASPHALT  
 C.E. COMMERCIAL ENTRANCE  
 C.M. CABLE MARKER  
 C. CENTERLINE  
 C.T.H. COUNTY TRUNK HIGHWAY  
 C.S.M. CERTIFIED SURVEY MAP  
 CONC. CONCRETE  
 COR. CORNER  
 CULV. CULVERT  
 d/b/a DOING BUSINESS AS  
 FDN. FOUNDATION  
 F.E. FIELD ENTRANCE  
 FRL. FRACTIONAL  
 G. GARAGE  
 G.M. GAS MARKER  
 G.P. GAS PUMPS  
 GRAV. GRAVEL  
 HSE. HOUSE  
 ha HECTARES  
 I.P. IRON PIPE OR PIN  
 km KILOMETER  
 LT. LEFT  
 L LENGTH OF CURVE  
 L.C. LONG CHORD OR LAND CONTRACT  
 L.C.B. LONG CHORD BEARING  
 M.H. MANHOLE  
 m METERS  
 MON. MONUMENT  
 O.L. OUTLOT  
 P. PAGE  
 P.D. PRIVATE DRIVEWAY  
 P.E. PRIVATE ENTRANCE  
 P.K. PARKER-KALON  
 P.L.E. PERMANENT LIMITED EASEMENT  
 P.C. POINT OF CURVATURE  
 P.I. POINT OF INTERSECTION  
 P.T. POINT OF TANGENCY  
 P.L. PROPERTY LINE  
 R. RADIUS OR RANGE  
 R.R. RAILROAD  
 R REFERENCE LINE  
 R.D.E. RESTRICTED DEVELOPMENT EASEMENT  
 RT. RIGHT  
 R/W RIGHT OF WAY  
 SEC. SECTION  
 S. SHED  
 m2 SQUARE METER  
 S.T.H. STATE TRUNK HIGHWAY  
 STA. STATION  
 T. TANGENT LENGTH OF CURVE OR TOWN  
 TAV. TAVERN  
 T.I. TEMPORARY INTEREST  
 USH UNITED STATES HIGHWAY  
 VOL. VOLUME  
 X. EAST COORDINATE (GRID)  
 Y. NORTH COORDINATE (GRID)  
 N. NORTH COORDINATE (GROUND) OR NORTH  
 E. EAST COORDINATE (GROUND), EAST OR EXTERNAL  
 Δ. CENTRAL ANGLE OR DELTA

--- STATE LINE  
 --- COUNTY LINE  
 --- TOWN OR RANGE LINE  
 --- SECTION LINE  
 --- QUARTER LINE  
 --- SIXTEENTH LINE  
 --- PROPOSED OR NEW R/W LINE  
 --- EXISTING R/W LINE  
 --- LOT LINE  
 --- P.L. + 58.1 PROPERTY LINE  
 ◆◆◆◆ NO ACCESS (By Previous Acquisition)  
 ||||| NO ACCESS (By Acquisition)  
 ●●●● NO ACCESS (By Statutory Authority)  
 - - - LIMITED EASEMENT (Temporary or Permanent)  
 // // CORPORATE LIMITS

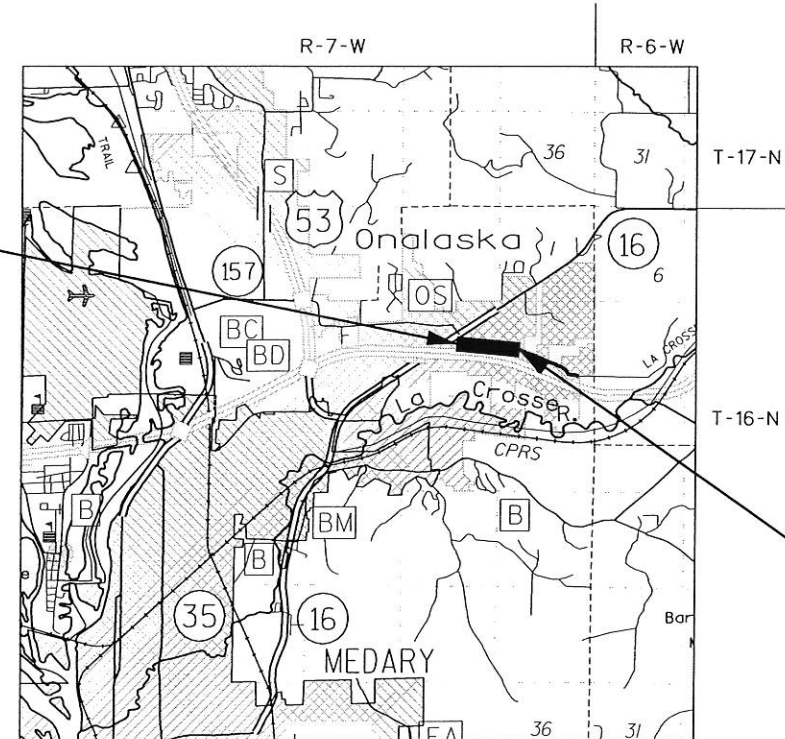
SECTION CORNER  
 RIGHT OF WAY POINT (NOT MONUMENTED)  
 RIGHT OF WAY POINT (MONUMENTED)  
 (Type) RECOVERED IRON PIN/PIPE  
 TRIANGULATION POINT OR HORIZONTAL CONTROL STATION  
 INLET  
 HYDRANT  
 (Size) W WATER  
 (Size) G GAS  
 T TELEPHONE OR TELEGRAPH  
 E ELECTRIC  
 TV CABLE TELEVISION  
 FO FIBER OPTIC  
 (Size) SAN SANITARY SEWER  
 (Size) SS STORM SEWER  
 NOTATION FOR COMBUSTIBLE FLUIDS  
 SERVICE PEDESTAL  
 (Label) SILO, MANHOLE OR WELL, ETC.

RAILROAD  
 BRIDGE  
 BUILDING (Label)  
 FOUNDATION OR RUINS (Label)  
 FENCE  
 MARSH AREA  
 LAKE OR POND  
 WOODED OR SHRUB AREA  
 TREE

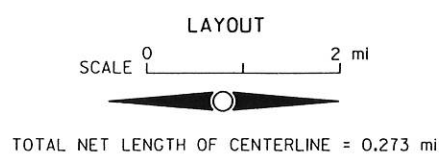
COMPENSABLE NON COMPENSABLE  
 TELEPHONE POLE  
 POWER POLE  
 RIGHT OF WAY POINT NUMBER (243)

**NOTES**  
 COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (LA CROSSE).  
 RIGHT OF WAY MONUMENTS ARE TYPE 2 AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.  
 RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

**BEGIN RELOCATION ORDER**  
**STA. 18+57.35**  
 Y= 155469.4722  
 X= 464947.7030  
 3489.75' EAST OF AND  
 31.24' NORTH OF THE  
 WEST 1/4 CORNER OF  
 SECTION 11, T16N, R7W



**END RELOCATION ORDER**  
**STA. 33+00.00**  
 Y= 155235.6896  
 X= 466332.6155  
 408.43' WEST OF AND  
 261.19' SOUTH OF THE  
 EAST 1/4 CORNER OF  
 SECTION 11, T16N, R7W



R/W PROJECT NUMBER 5991-02-34	SHEET NUMBER 4.1	TOTAL SHEETS 2
FEDERAL PROJECT NUMBER		
PLAT OF RIGHT OF WAY REQUIRED FOR S.T.H. 16 - ONALASKA/ LA CROSSE CITY LIMITS NORTH KINNEY COULEE ROAD LA CROSSE COUNTY		

ACCEPTED FOR  
 CITY ONALASKA  
 7-1-02  
 (Date) *Randall*  
 (Signature) *City Eng.*  
 (Title of Official)

ORIGINAL PLANS PREPARED BY  
  
  
 DUANE A. HOLMAN  
 S-1294  
 BLOOMER, WIS.  
 LAND SURVEYOR  
 4/5/2002  
 (Date) (Signature)

REVISION DATE

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 APPROVED FOR DISTRICT OFFICE:  
 DATE:

# SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

## SCHEDULE OF LANDS & INTERESTS REQUIRED

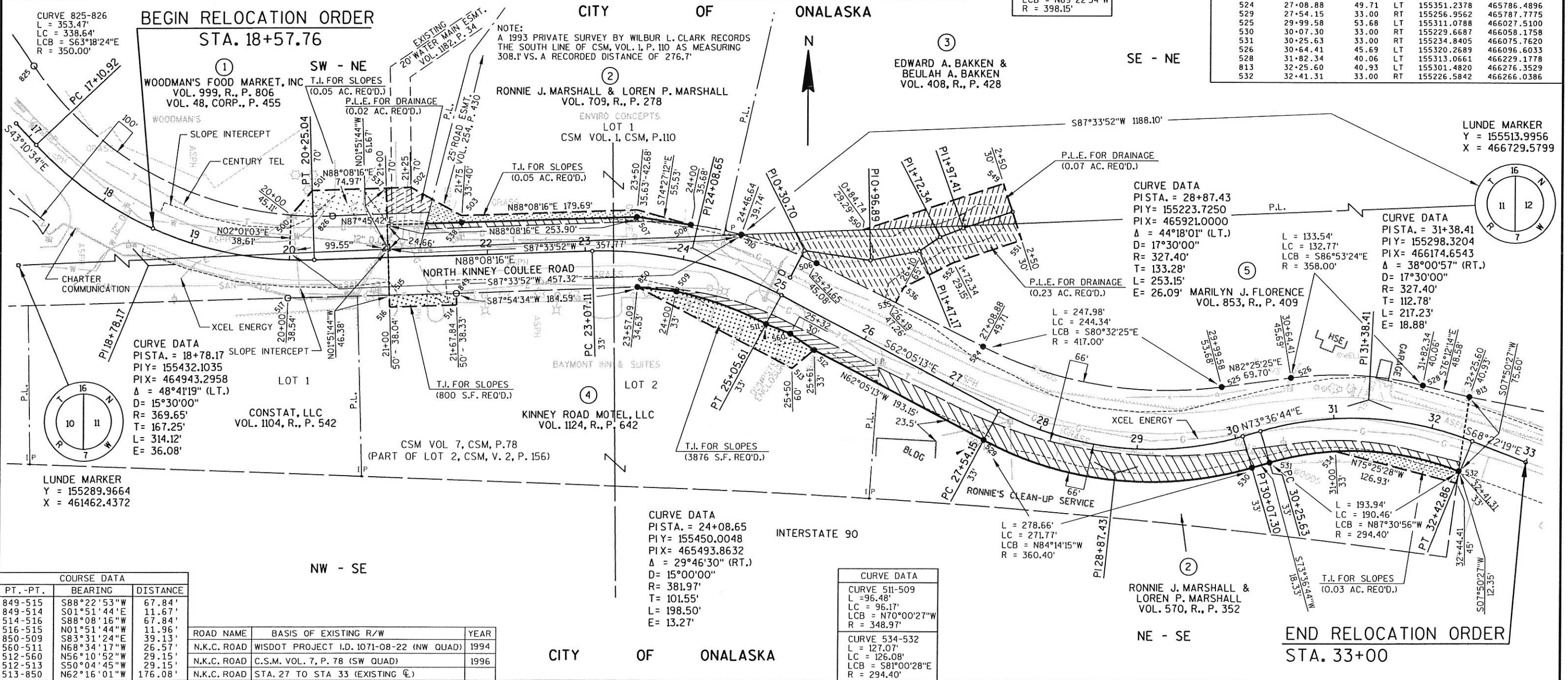
PARCEL NUMBER	SHEET NUMBER	OWNER (S)	INTEREST REQUIRED	TOTAL ACRES OR S.F.	R/W ACRES REQUIRED OR S.F.			TOTAL ACRES REM.	P.L.E ACRES	T.I. ACRES
					NEW	EXISTING	TOTAL			
1	4.2	WOODMAN'S FOOD MARKET, INC	P.L.E.&T.I.	16.25 AC	-	-	-	16.25 AC	0.02 AC	0.05 AC
2	4.2	RONNIE J. MARSHALL & LOREN P. MARSHALL	FEE & T.I.	3.46 AC	0.25 AC	-	0.25 AC	3.21 AC	-	0.08 AC
3	4.2	EDWARD A. BAKKEN & BEULAH A. BAKKEN	P.L.E.	21.06 AC	-	-	-	21.06 AC	0.07 AC	-
4	4.2	KINNEY ROAD MOTEL, LLC	FEE & T.I.	96555 S.F.	2293 S.F.	-	2293 S.F.	94262 S.F.	-	4676 S.F.
5	4.2	MARILYN J. FLORENCE	P.L.E.	5.65 AC	-	-	-	5.65 AC	0.23 AC	-

COURSE DATA		
PT.-PT.	BEARING	DISTANCE
500-501	N40°25'35"E	32.64'
501-537	N88°08'16"E	74.97'
537-502	N88°08'16"E	25.00'
502-503	S60°53'55"E	58.31'
538-507	N88°08'16"E	178.90'
507-508	S81°43'34"E	54.63'
510-550	N87°33'52"E	122.07'
550-549	N71°40'20"E	149.46'
549-551	S18°19'40"E	60.00'
551-552	S71°40'40"W	72.97'
552-536	S63°32'00"W	55.55'
536-535	S27°54'46"W	17.74'
535-506	N63°30'14"W	88.38'
506-524	S63°30'14"E	187.28'

RECOVERED LOT/BLOCK CORNERS AND COORDINATE TABLE					
STATION	OFFSET	Y	X	MON. TYPE	
18+48.52	267.74'	RT	155231.6842	464824.0604	3/4" IP
20+66.96	219.88'	RT	155219.1347	465159.4989	3/4" IP
24+36.35	36.07'	LT	155463.5740	465530.6580	1 1/2" IP
24+97.60	222.29'	RT	155207.5750	465476.5620	1" IP
26+25.80	18.35'	RT	155329.9820	465681.2197	1" IP (HIT)
26+80.42	139.92'	RT	155196.9909	465672.5684	1" IP
26+80.67	140.67'	RT	155196.2130	465672.4440	2" IP

CURVE DATA	
CURVE 508-510	L = 51.41'
LC = 51.37'	LCB = S78°57'30"E
R = 398.15'	
CURVE 506-510	L = 81.69'
LC = 81.54'	LCB = N69°22'54"W
R = 398.15'	

PROPOSED R/W POINT AND COORDINATE TABLE				
Point#	STATION	OFFSET	Y	X
517	20+00.00	38.54 RT	155399.0550	465084.0637
826	20+44.90	43.62 LT	155481.7839	465128.8840
849	21+67.84	38.33 RT	155403.8690	465254.4223
538	21+75.00	33.00 LT	155475.3944	465259.2644
507	23+50.00	35.63 LT	155481.2083	465438.0728
850	23+57.09	34.63 RT	155410.6028	465438.8895
509	24+00.00	33.00 RT	155406.1891	465477.7690
508	24+00.00	35.68 LT	155473.3469	465492.1322
510	24+46.64	39.74 LT	155463.5075	465542.5555
511	25+05.60	33.00 RT	155373.3075	465568.1472
506	25+21.65	45.08 LT	155434.7921	465618.8769
560	25+32.00	30.00 RT	155363.6020	465592.8763
512	25+61.00	33.00 RT	155347.3753	465617.0980
524	27+08.88	49.71 LT	155351.2378	465786.4896
529	27+54.15	33.00 RT	155256.9562	465787.7775
525	29+99.58	53.68 LT	155311.0788	466027.5100
530	30+07.30	33.00 RT	155229.6687	466058.1758
531	30+25.63	33.00 RT	155234.8405	466075.7620
526	30+64.41	45.69 LT	155320.2689	466096.6033
528	31+82.34	40.06 LT	155313.0661	466229.1778
813	32+25.60	40.93 LT	155301.4820	466276.3529
532	32+41.31	33.00 RT	155226.5842	466266.0386



COURSE DATA		
PT.-PT.	BEARING	DISTANCE
849-515	S88°22'53"W	67.84'
849-514	S01°51'44"E	11.67'
514-516	S88°08'16"E	67.84'
516-515	N01°51'44"W	11.96'
850-509	S83°31'24"E	39.13'
560-511	N68°34'17"W	26.57'
512-560	N56°10'52"W	29.15'
512-513	S50°04'45"W	29.15'
513-850	N62°16'01"W	176.08'

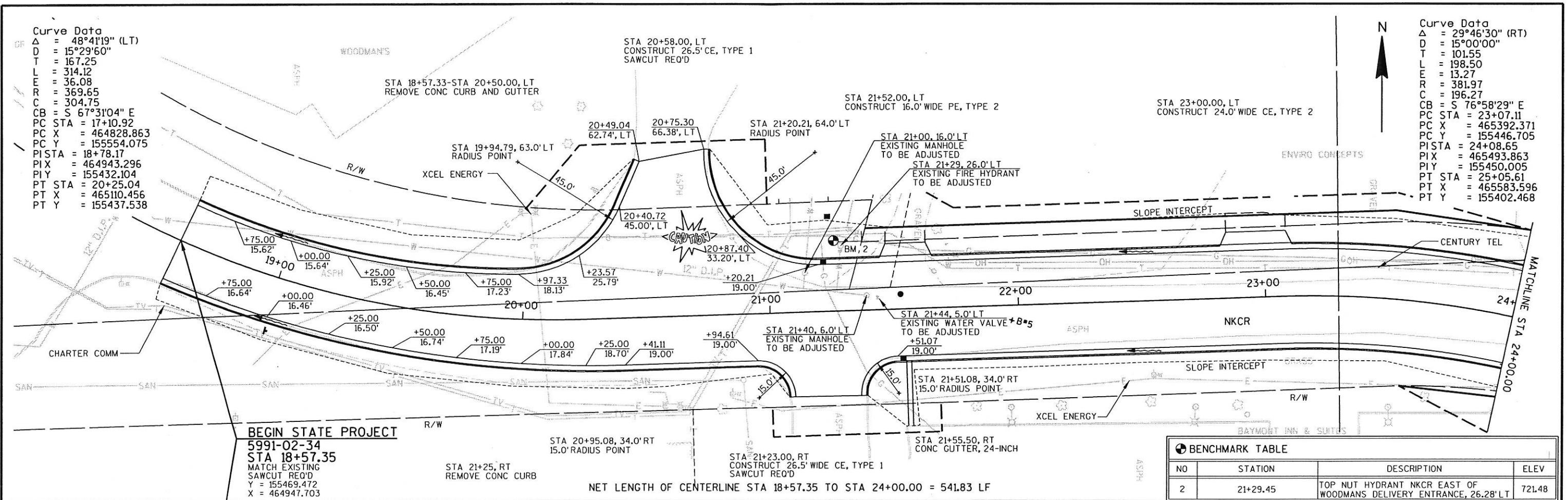
ROAD NAME	BASIS OF EXISTING R/W	YEAR
N.K.C. ROAD	WISDOT PROJECT I.D. 1071-08-22 (NW QUAD)	1994
N.K.C. ROAD	C.S.M. VOL. 7, P. 78 (SW QUAD)	1996
N.K.C. ROAD	STA. 27 TO STA 33 (EXISTING C)	

REVISION DATE	DATE 4-05-2002	SCALE, FEET 0 50 100	HWY: KINNEY COULEE ROAD	CONSTRUCTION PROJECT NUMBER 5991-02-34	PS&E SHEET NO: 4.
			COUNTY: LA CROSSE	STATE R/W PROJECT NUMBER 5991-02-34	PLAT SHEET NO: 4.2



Curve Data  
 $\Delta = 48^\circ 41' 19''$  (LT)  
 $D = 15^\circ 29' 60''$   
 $T = 167.25$   
 $L = 314.12$   
 $E = 36.08$   
 $R = 369.65$   
 $C = 304.75$   
 $CB = S 67^\circ 31' 04'' E$   
 $PC STA = 17+10.92$   
 $PC X = 464828.863$   
 $PC Y = 155554.075$   
 $PISTA = 18+78.17$   
 $PIX = 464943.296$   
 $PIY = 155432.104$   
 $PT STA = 20+25.04$   
 $PT X = 465110.456$   
 $PT Y = 155437.538$

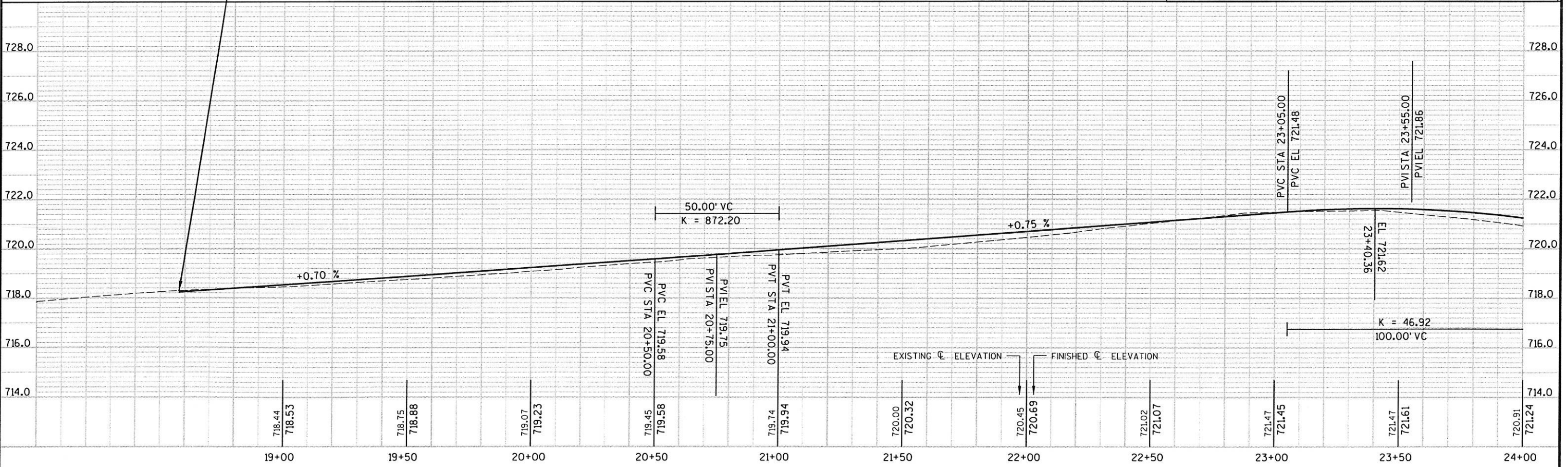
Curve Data  
 $\Delta = 29^\circ 46' 30''$  (RT)  
 $D = 15^\circ 00' 00''$   
 $T = 101.55$   
 $L = 198.50$   
 $E = 13.27$   
 $R = 381.97$   
 $C = 196.27$   
 $CB = S 76^\circ 58' 29'' E$   
 $PC STA = 23+07.11$   
 $PC X = 465392.371$   
 $PC Y = 155446.705$   
 $PISTA = 24+08.65$   
 $PIX = 465493.863$   
 $PIY = 155450.005$   
 $PT STA = 25+05.61$   
 $PT X = 465583.596$   
 $PT Y = 155402.468$



**BEGIN STATE PROJECT**  
 5991-02-34  
 STA 18+57.35  
 MATCH EXISTING  
 SAWCUT REQ'D  
 $Y = 155469.472$   
 $X = 464947.703$

NET LENGTH OF CENTERLINE STA 18+57.35 TO STA 24+00.00 = 541.83 LF

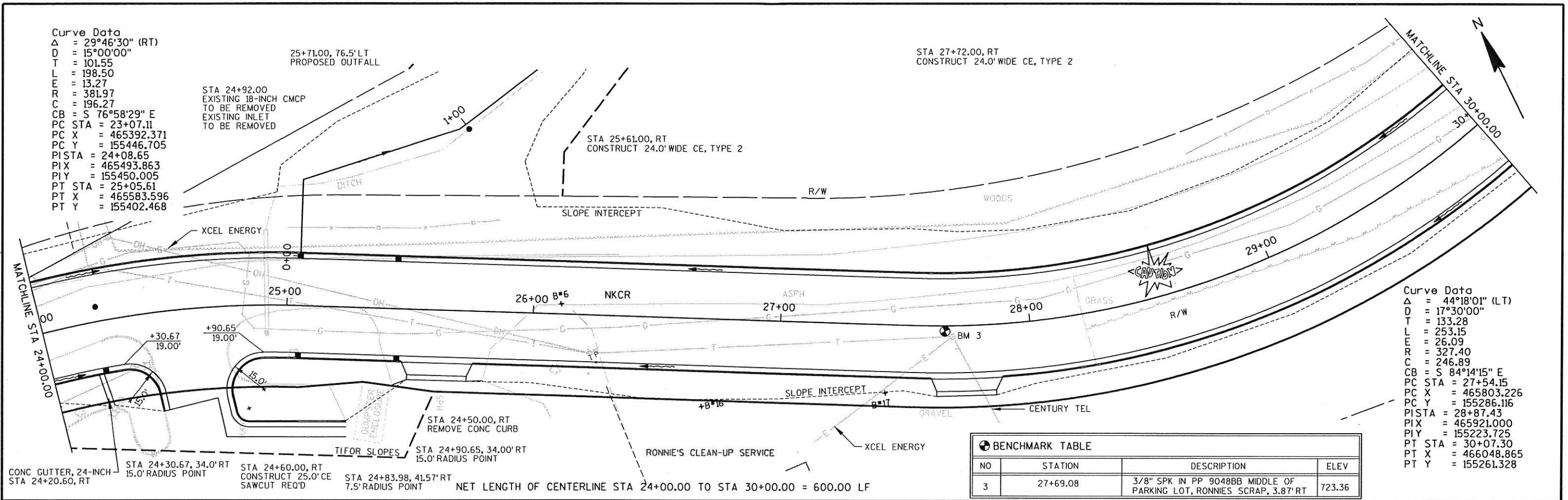
BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
2	21+29.45	TOP NUT HYDRANT NKCR EAST OF WOODMANS DELIVERY ENTRANCE, 26.28' LT	721.48





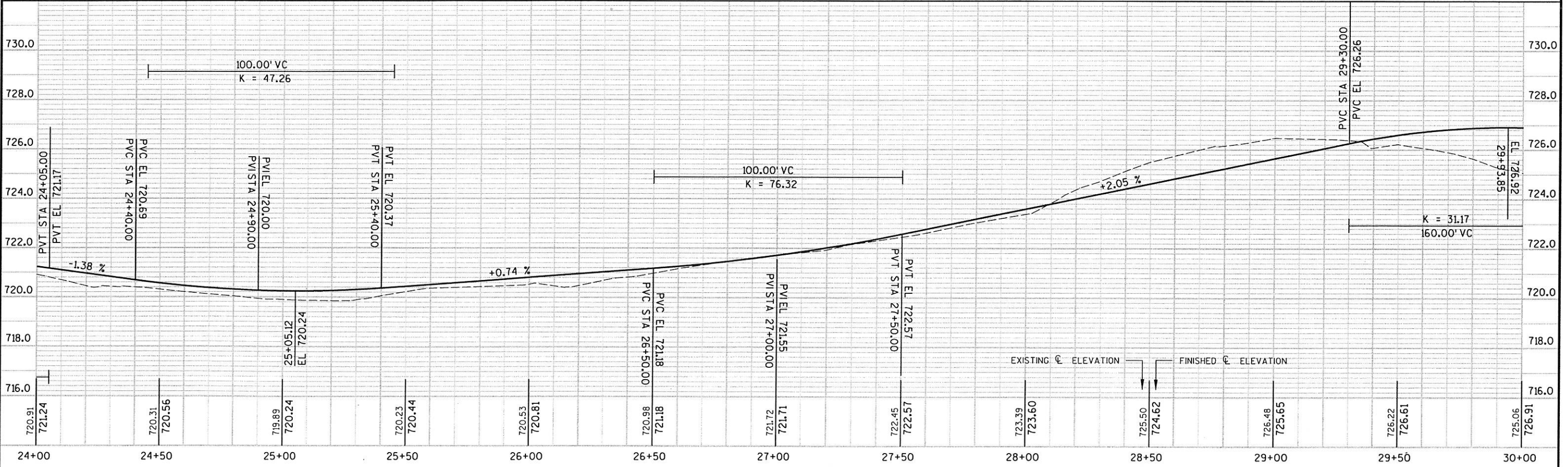
Curve Data  
 $\Delta = 29^\circ 46' 30''$  (RT)  
 $D = 15^\circ 00' 00''$   
 $T = 101.55$   
 $L = 198.50$   
 $E = 13.27$   
 $R = 381.97$   
 $C = 196.27$   
 $CB = S 76^\circ 58' 29'' E$   
 $PC STA = 23+07.11$   
 $PC X = 465392.371$   
 $PC Y = 155446.705$   
 $PISTA = 24+08.65$   
 $PIX = 465493.863$   
 $PIY = 155450.005$   
 $PT STA = 25+05.61$   
 $PT X = 465583.596$   
 $PT Y = 155402.468$

Curve Data  
 $\Delta = 44^\circ 18' 01''$  (LT)  
 $D = 17^\circ 30' 00''$   
 $T = 133.28$   
 $L = 253.15$   
 $E = 26.09$   
 $R = 327.40$   
 $C = 246.89$   
 $CB = S 84^\circ 14' 15'' E$   
 $PC STA = 27+54.15$   
 $PC X = 465803.226$   
 $PC Y = 155286.116$   
 $PISTA = 28+87.43$   
 $PIX = 465921.000$   
 $PIY = 155223.725$   
 $PT STA = 30+07.30$   
 $PT X = 466048.865$   
 $PT Y = 155261.328$



**BENCHMARK TABLE**

NO	STATION	DESCRIPTION	ELEV
3	27+69.08	3/8" SPK IN PP 9048BB MIDDLE OF PARKING LOT, RONNIES SCRAP, 3.87' RT	723.36



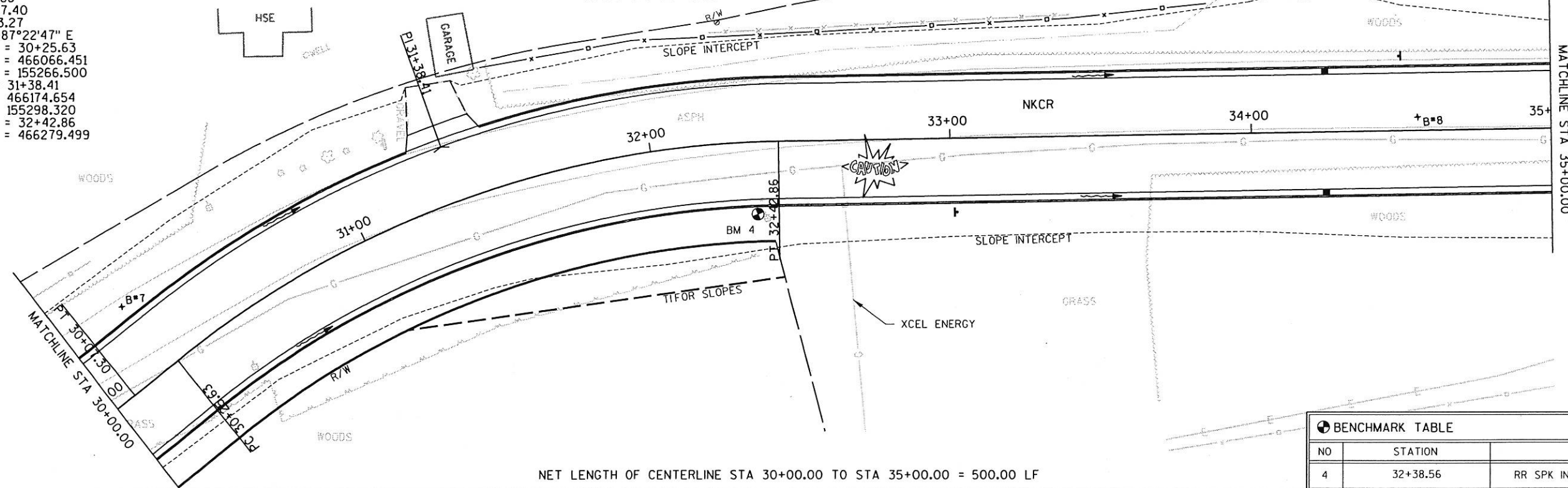


Curve Data  
 $\Delta = 38^{\circ}00'57''$  (RT)  
 $D = 17^{\circ}30'00''$   
 $T = 112.78$   
 $L = 217.23$   
 $E = 18.88$   
 $R = 327.40$   
 $C = 213.27$   
 $CB = S 87^{\circ}22'47'' E$   
 $PC STA = 30+25.63$   
 $PC X = 466066.451$   
 $PC Y = 155266.500$   
 $PISTA = 31+38.41$   
 $PIX = 466174.654$   
 $PIY = 155298.320$   
 $PT STA = 32+42.86$   
 $PT X = 466279.499$

STA 31+35.00, LT  
 CONSTRUCT 16.0' WIDE PE, TYPE 2

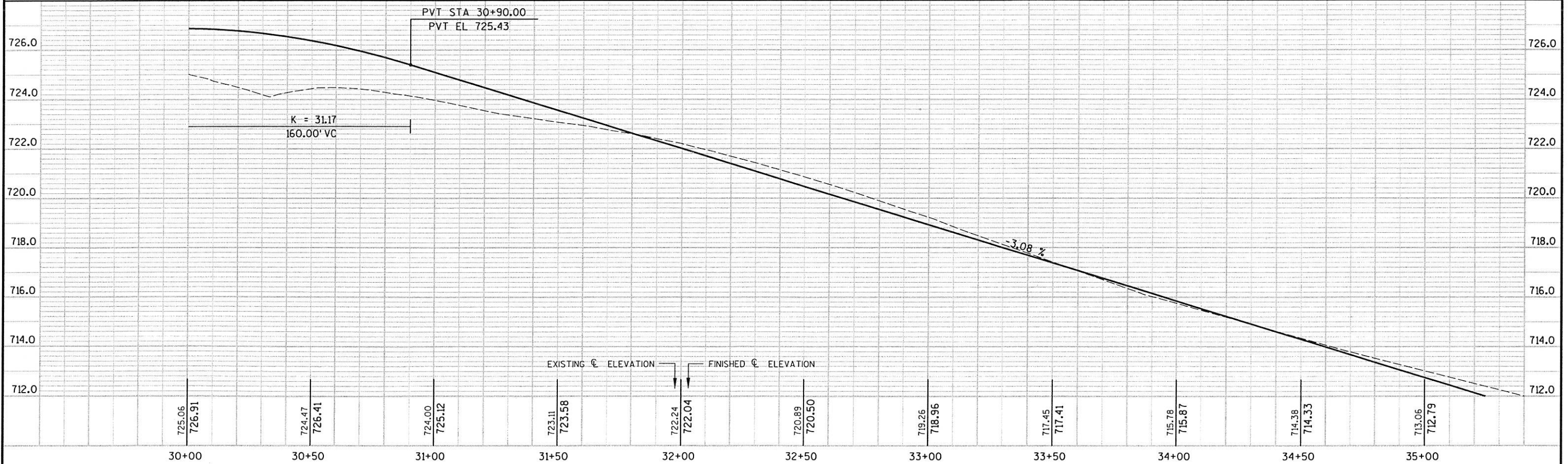
STA 31+60.00 TO STA 33+85, LT  
 SAFETY FENCE REQUIRED TO  
 SHIELD ARCHAEOLOGICAL SITE  
 BEYOND EXISTING FENCE

34+25.00, 45.0' LT  
 PROPOSED OUTFALL



NET LENGTH OF CENTERLINE STA 30+00.00 TO STA 35+00.00 = 500.00 LF

BENCHMARK TABLE			
NO	STATION	DESCRIPTION	ELEV
4	32+38.56	RR SPK IN PP #9408KK8 25.36' RT	724.80

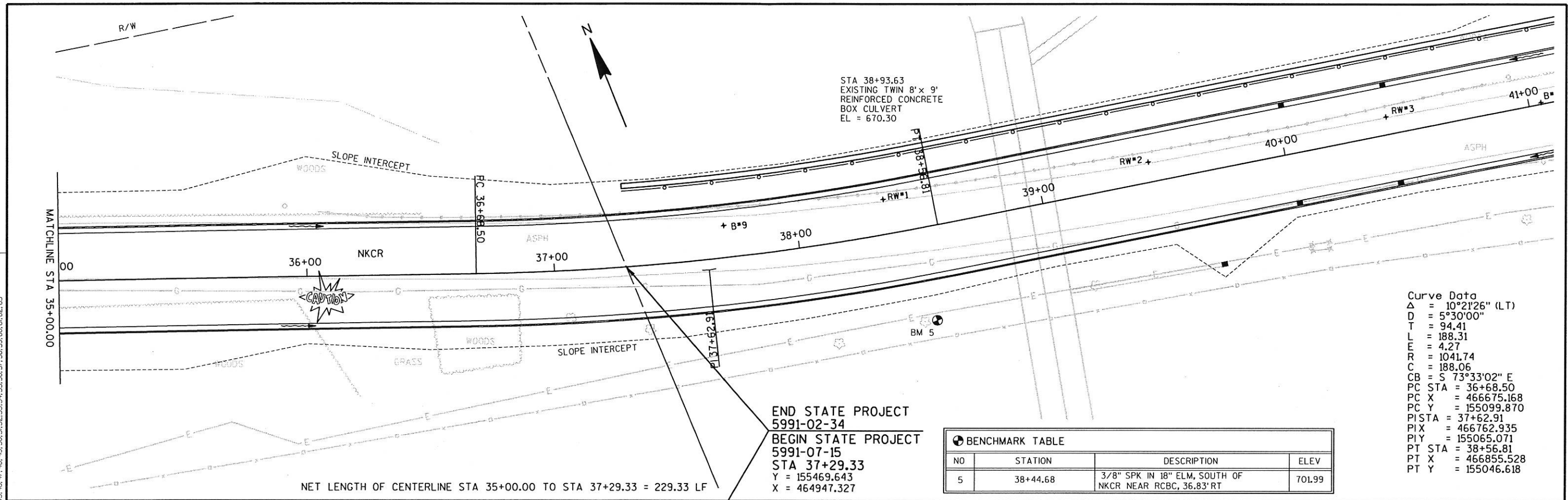


STATE PROJECT NUMBER: 5991-02-34    HWY: NKCR    COUNTY: LA CROSSE    PLAN & PROFILE    SCALE, FEET 0 20 40    SHEET NO: E

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



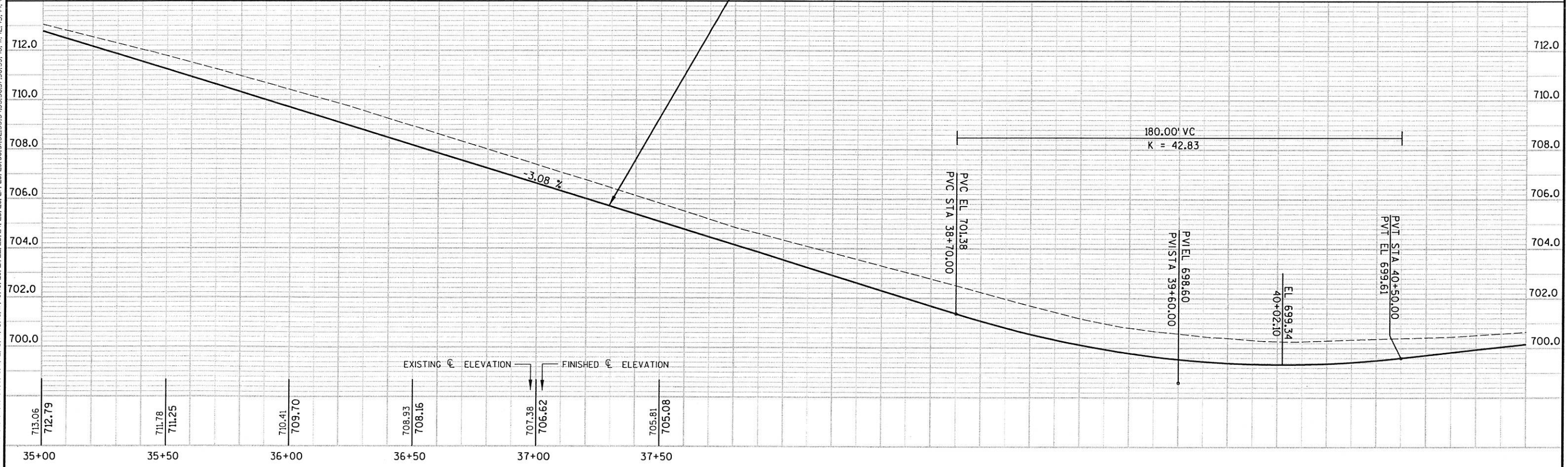
Curve Data

Δ	= 10°21'26" (LT)
D	= 5°30'00"
T	= 94.41
L	= 188.31
E	= 4.27
R	= 1041.74
C	= 188.06
CB	= S 73°33'02" E
PC STA	= 36+68.50
PC X	= 466675.168
PC Y	= 155099.870
PISTA	= 37+62.91
PIX	= 466762.935
PIY	= 155065.071
PT STA	= 38+56.81
PT X	= 466855.528
PT Y	= 155046.618

END STATE PROJECT  
5991-02-34  
BEGIN STATE PROJECT  
5991-07-15  
STA 37+29.33  
Y = 155469.643  
X = 464947.327

● BENCHMARK TABLE

NO	STATION	DESCRIPTION	ELEV
5	38+44.68	3/8" SPK IN 18" ELM, SOUTH OF NKCR NEAR RCBC, 36.83' RT	701.99





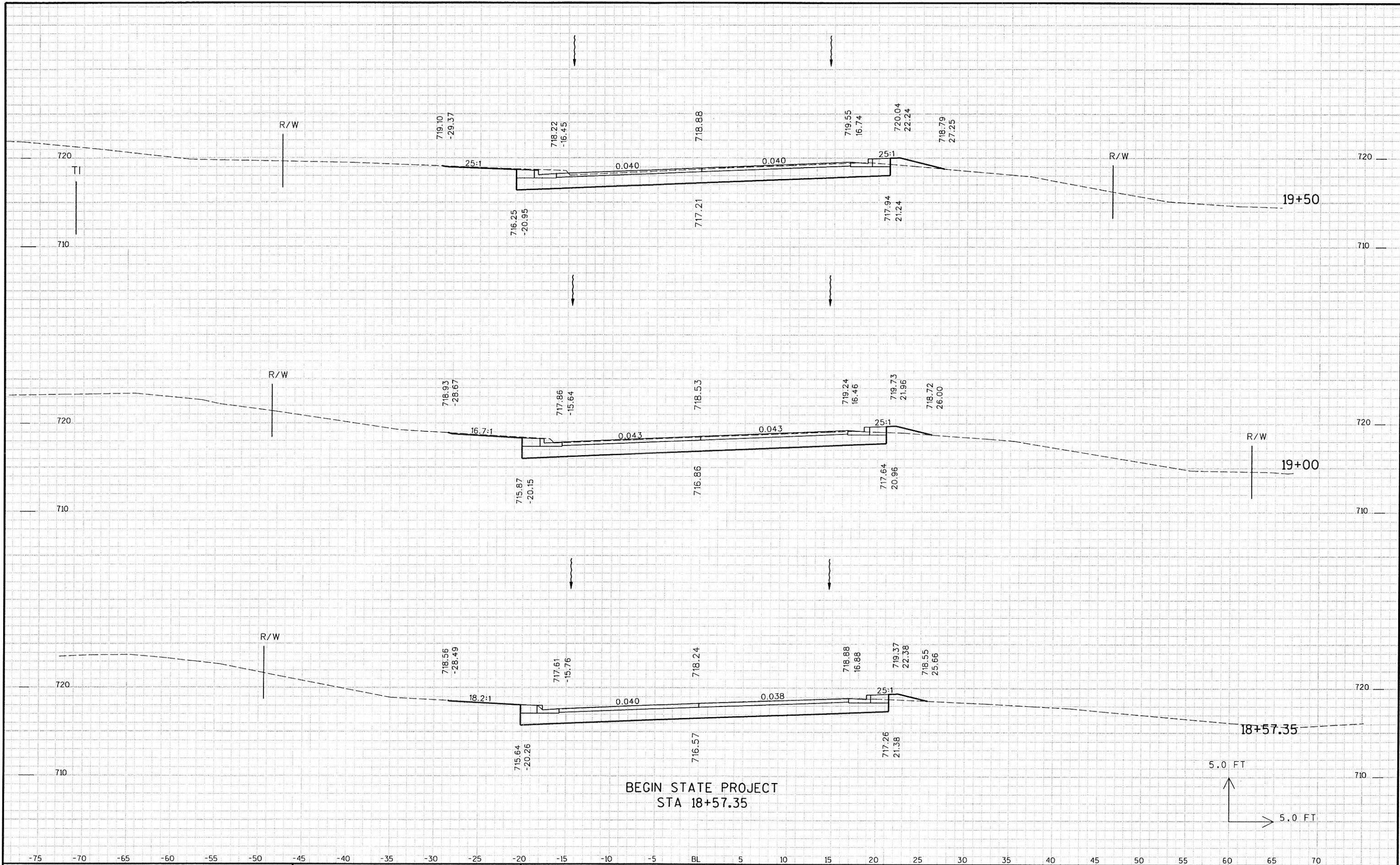
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NKCR EARTHWORK TABLE								
STATION	END AREA		VOLUME INCREMENTAL		VOLUME CUMULATIVE			MASS
	CUT SF	FILL SF	CUT CY	FILL CY	CUT CY	FILL CY	EX. FILL CY	HAUL CY
18+58	72.5	1.7	0	0	0	0	0	0
19+00	68.8	2.2	111	3	111	3	4	107
19+50	70.5	2.8	129	5	240	8	10	230
19+97	74.7	2.3	127	4	367	12	15	352
20+41	72.6	10.6	119	10	486	23	29	457
20+58	139.9	1.9	66	4	553	26	33	521
21+00	79.1	9.7	170	9	723	35	44	679
21+23	73.8	13.9	65	10	788	46	58	731
21+52	68.9	0.7	77	8	865	53	66	799
22+00	77.3	2.8	130	3	995	57	71	924
22+50	87.4	3	153	5	1147	62	78	1070
23+00	91.3	2.8	165	5	1313	67	84	1229
23+50	86.4	0.7	165	3	1477	71	89	1388
24+00	74.8	0.7	149	1	1627	72	90	1537
24+50	80.3	18	144	17	1770	89	111	1659
24+60	105.5	16.6	34	6	1805	96	120	1685
25+50	81.9	36.7	139	39	1944	135	169	1775
25+50	83.1	338.9	153	348	2096	483	604	1492
25+61	84.3	260.8	34	122	2130	605	756	1374
26+00	87.4	15.1	124	199	2254	804	1005	1249
26+50	99.3	17	173	30	2427	834	1043	1385
27+00	98.5	15.4	183	30	2610	864	1080	1530
27+50	84.9	14.6	170	28	2780	892	1115	1665
27+72	84.3	12.7	69	11	2849	903	1129	1720
28+00	82.5	12.3	86	13	2936	916	1145	1791
28+50	95.9	10.8	165	21	3101	937	1171	1930
29+00	93	12	175	21	3276	958	1198	2079
29+50	73.7	16.1	154	26	3430	984	1230	2200
30+00	44.2	24.2	109	37	3539	1022	1278	2262
30+50	35.5	25.1	74	46	3613	1067	1334	2279
31+00	63.9	11.6	92	34	3705	1101	1376	2329
31+35	95.8	4	104	10	3809	1111	1389	2420
31+50	99.5	7	54	3	3863	1114	1393	2471
32+00	132.5	17	215	22	4078	1137	1421	2657
32+50	136.6	11.8	249	27	4327	1163	1454	2873
33+00	123	6.2	240	17	4567	1180	1475	3092
33+50	124.7	5.8	229	11	4797	1191	1489	3308
34+00	112.1	17.9	219	22	5016	1213	1516	3500
34+50	110.2	13.9	206	29	5222	1242	1553	3670
35+00	113.8	4.5	207	17	5429	1259	1574	3855
35+50	126.4	5.7	222	9	5652	1269	1586	4066
36+00	80.5	25.3	192	29	5843	1298	1623	4221
36+50	106.2	18.5	173	41	6016	1338	1673	4344
37+00	108.6	9.3	199	26	6215	1364	1705	4510
37+29	0	0	56	5	6271	1369	1711	4560

RAVINE SUMMARY								
0+25	0	268.9	0	124	0	124	155	-155
0+50	45.5	176.7	21	206	21	331	414	-393
0+75	1.8	253.1	22	199	43	530	663	-620
1+00	0	185.8	1	203	44	733	916	-872
1+25	0	116.2	0	140	44	873	1091	-1047
1+50	5.7	34.6	3	70	46	943	1179	-1133
1+75	25.3	7.9	14	20	61	962	1203	-1142
2+00	54.4	0	37	4	98	966	1208	-1110
2+25	98.1	0	71	0	168	966	1208	-1040

EXPANSION FACTOR = 1.25



BEGIN STATE PROJECT  
STA 18+57.35

STATE PROJECT NO : 5991-02-34

HWY : NKCR

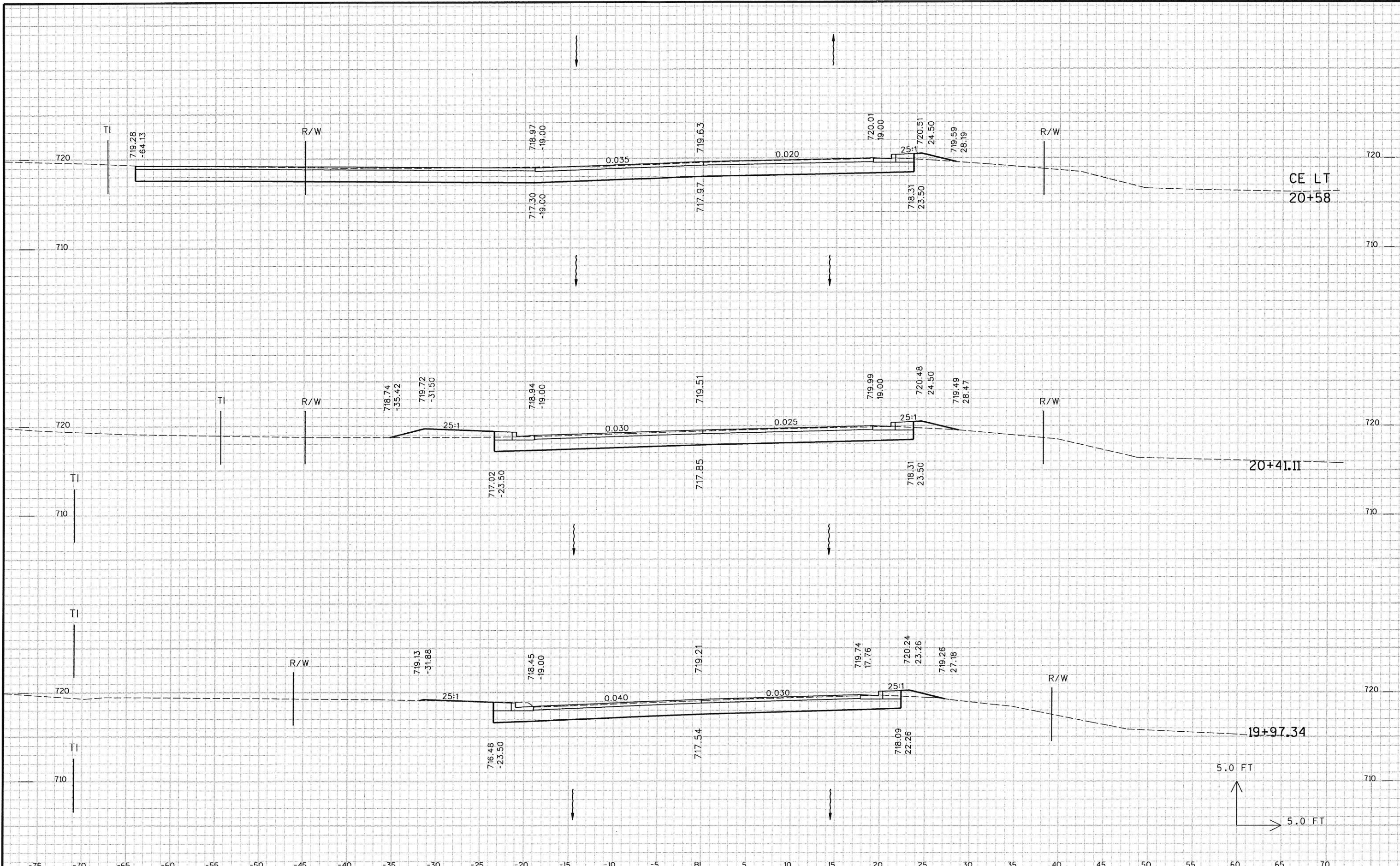
COUNTY : LA CROSSE

CROSS SECTIONS : MAINLINE

SHEET NO: .

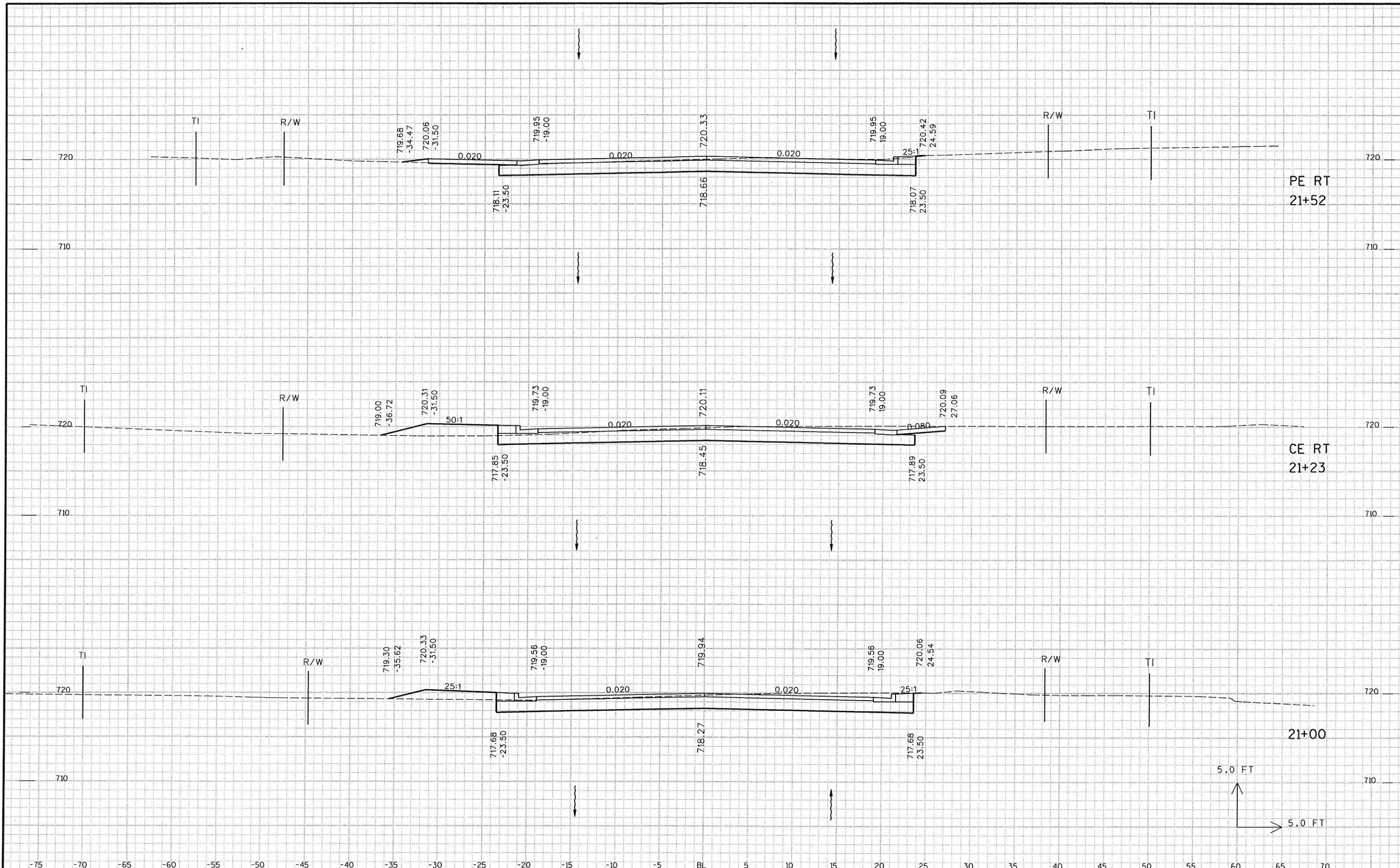
E





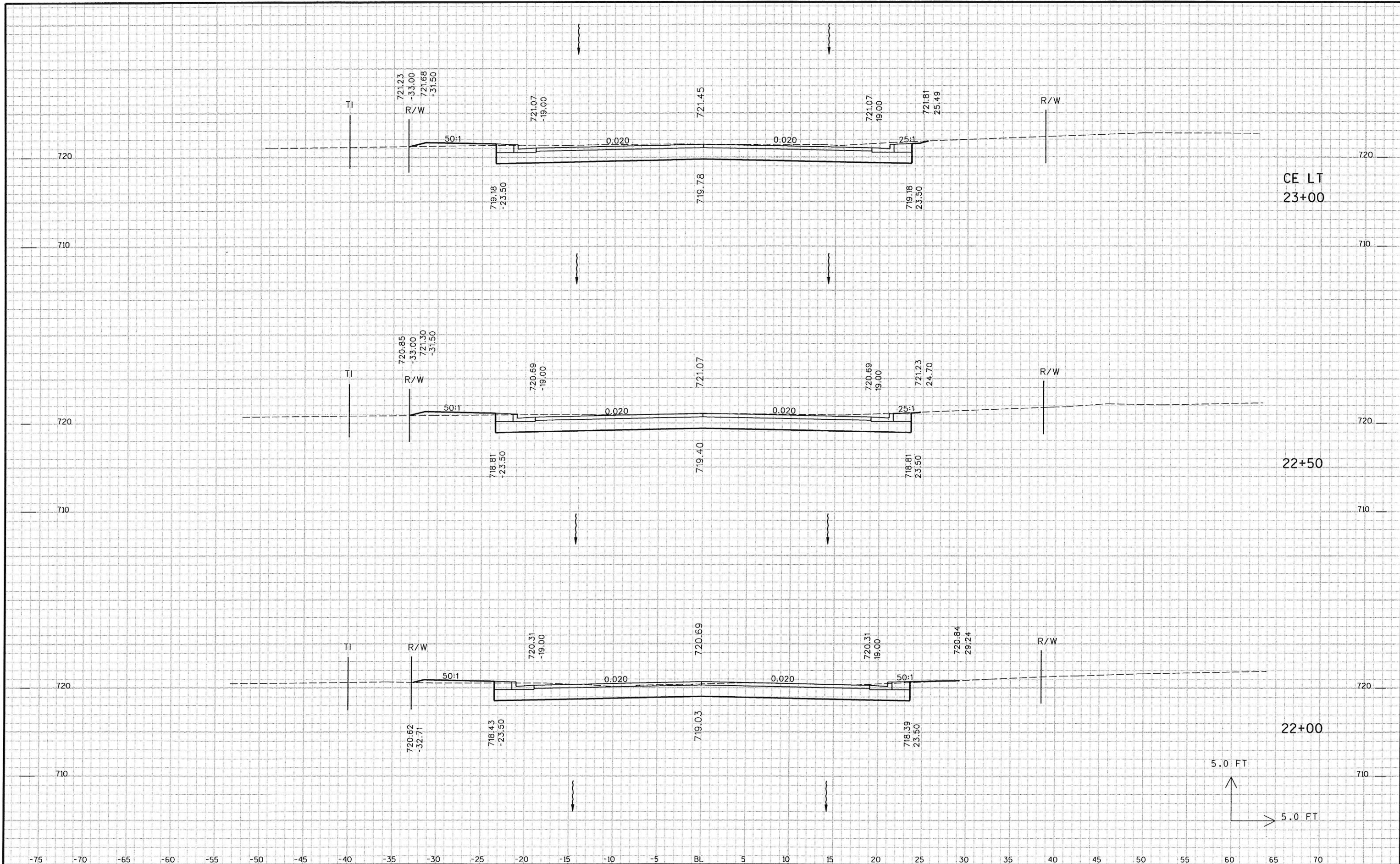
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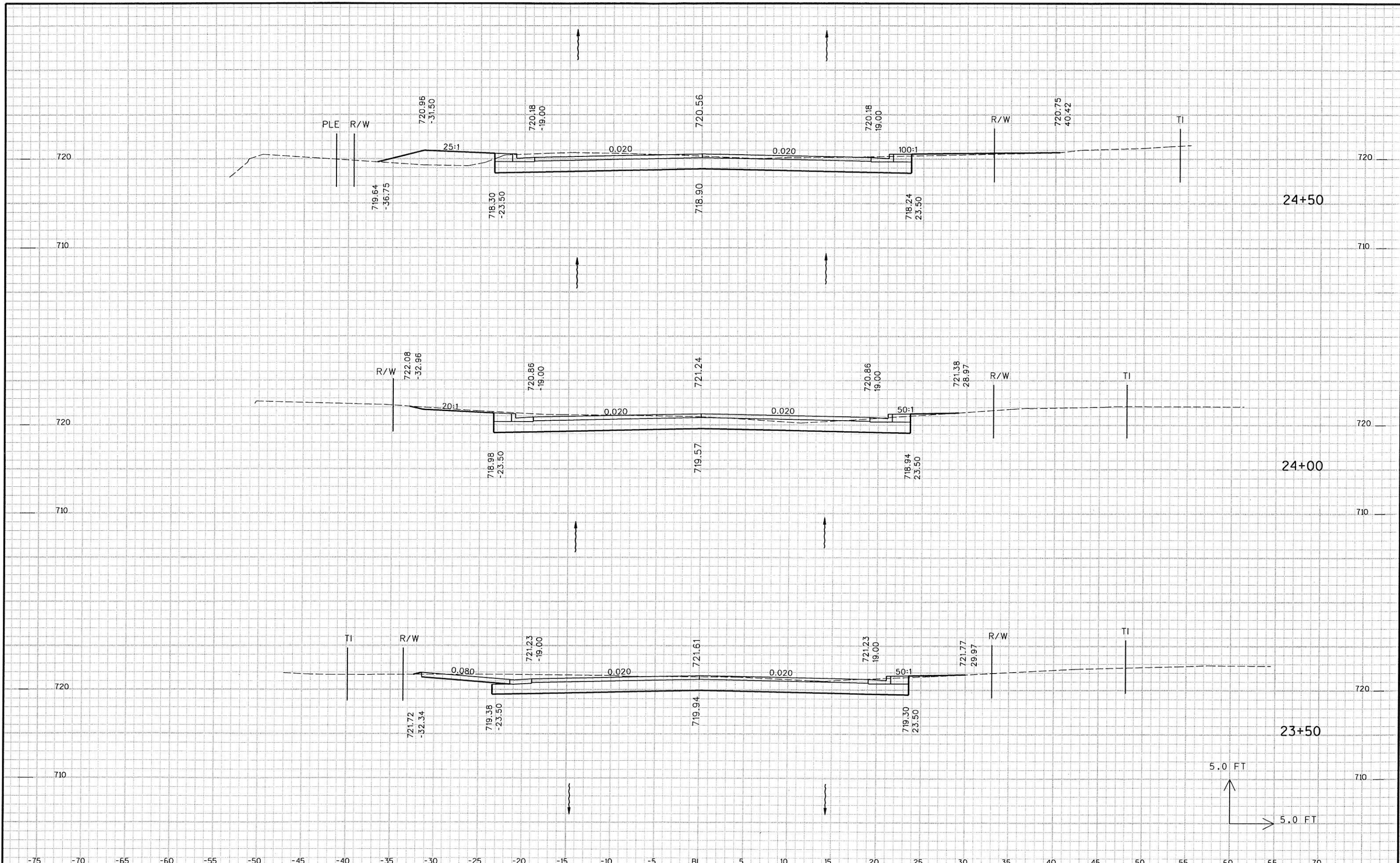
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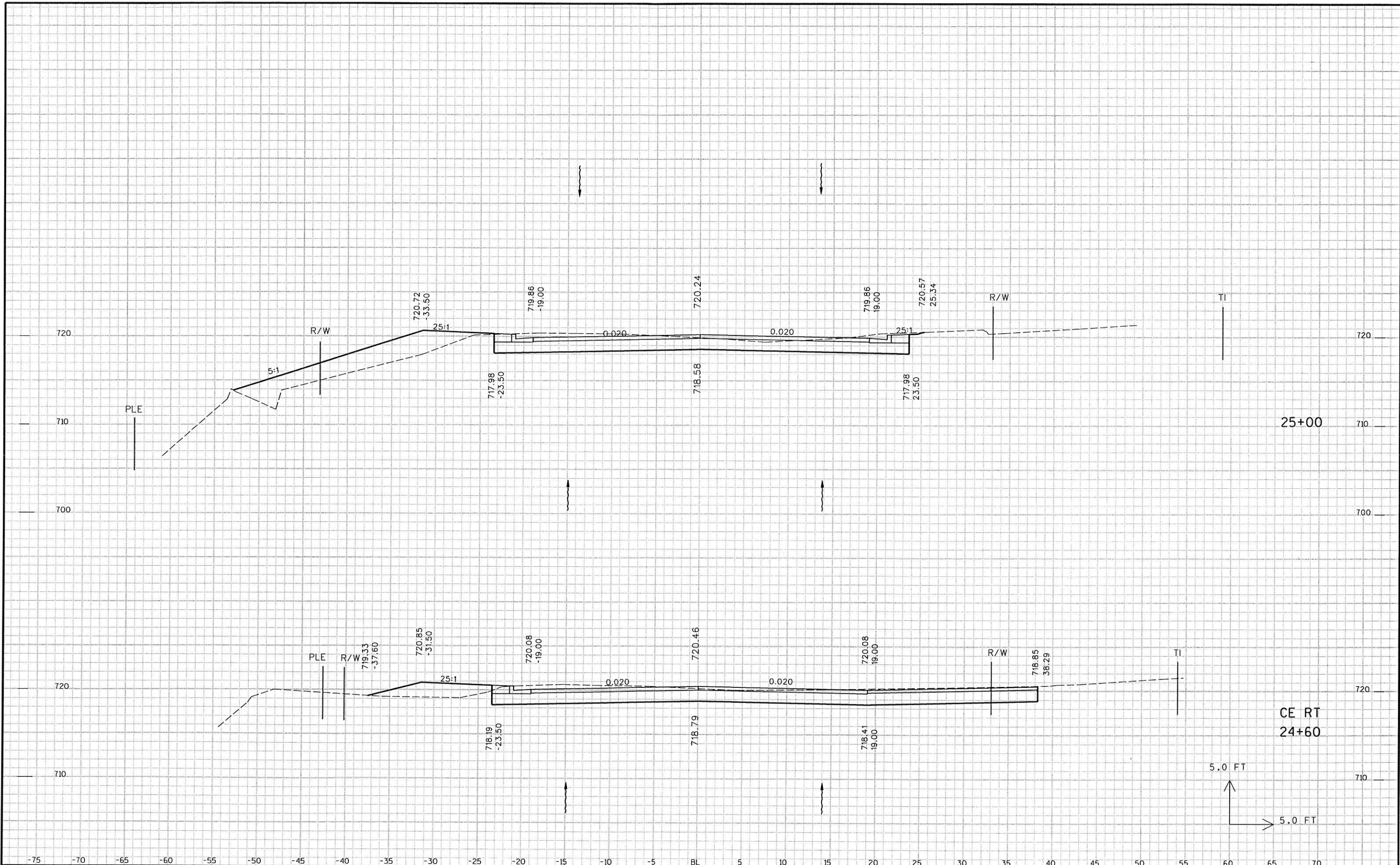
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STATE PROJECT NO : 5991-02-34	HWY : NKCR	COUNTY : LA CROSSE	CROSS SECTIONS : MAINLINE
SHEET NO: .			E





STATE PROJECT NO : 5991-02-34	HWY : NKCR	COUNTY : LA CROSSE	CROSS SECTIONS : MAINLINE
SHEET NO: .			E



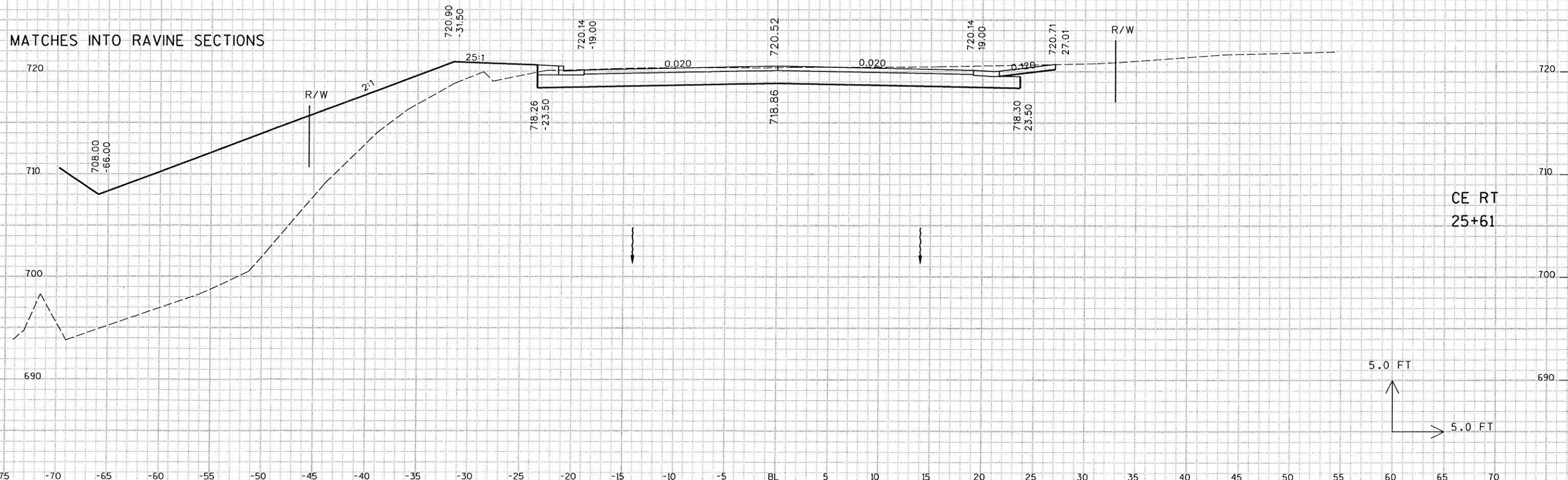
MATCHES INTO RAVINE SECTIONS



STATE PROJECT NO : 5991-02-34	HWY : NKCR	COUNTY : LA CROSSE	CROSS SECTIONS : MAINLINE	SHEET NO: .	E
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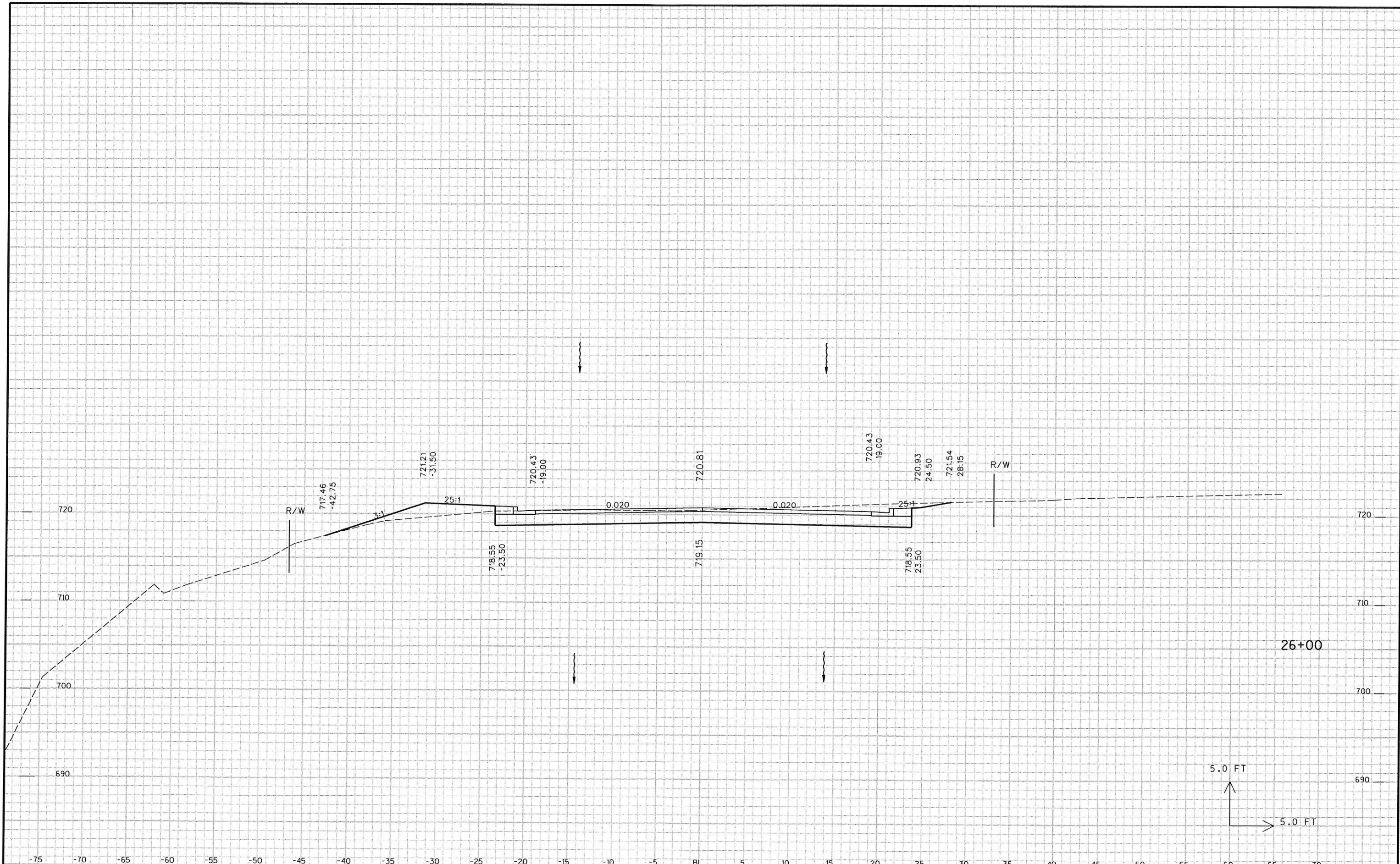


MATCHES INTO RAVINE SECTIONS



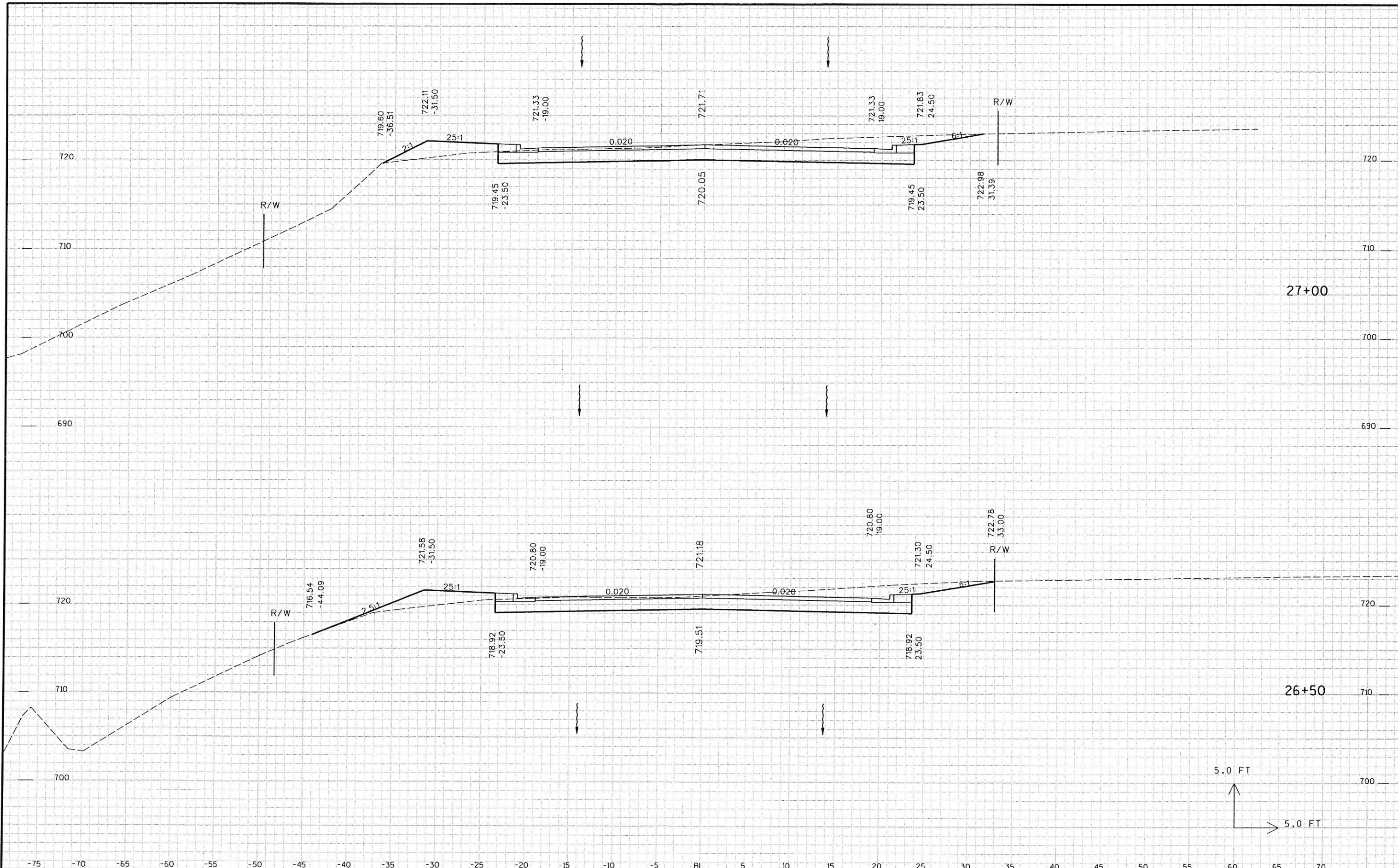
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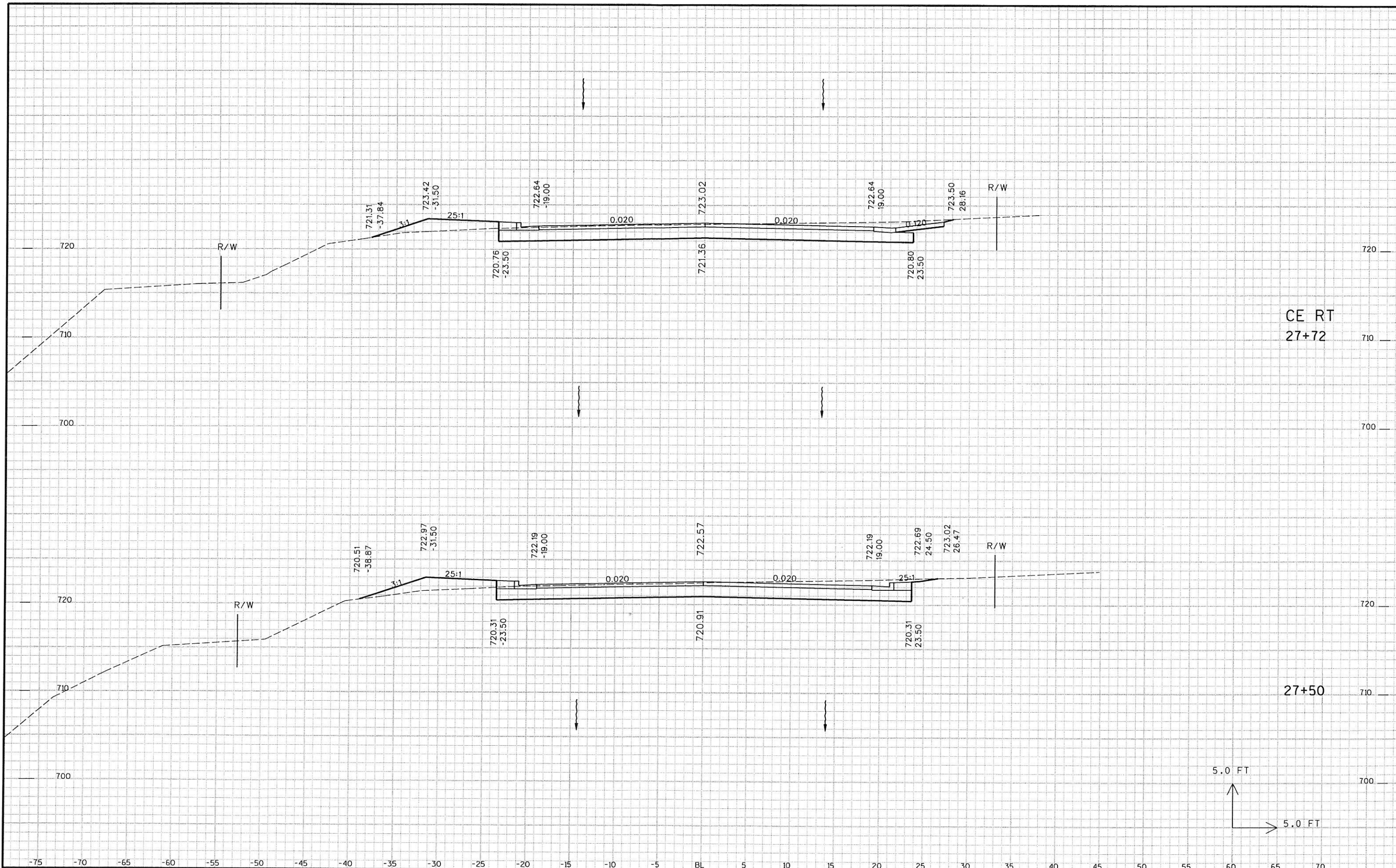
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SHEET NO: .			E



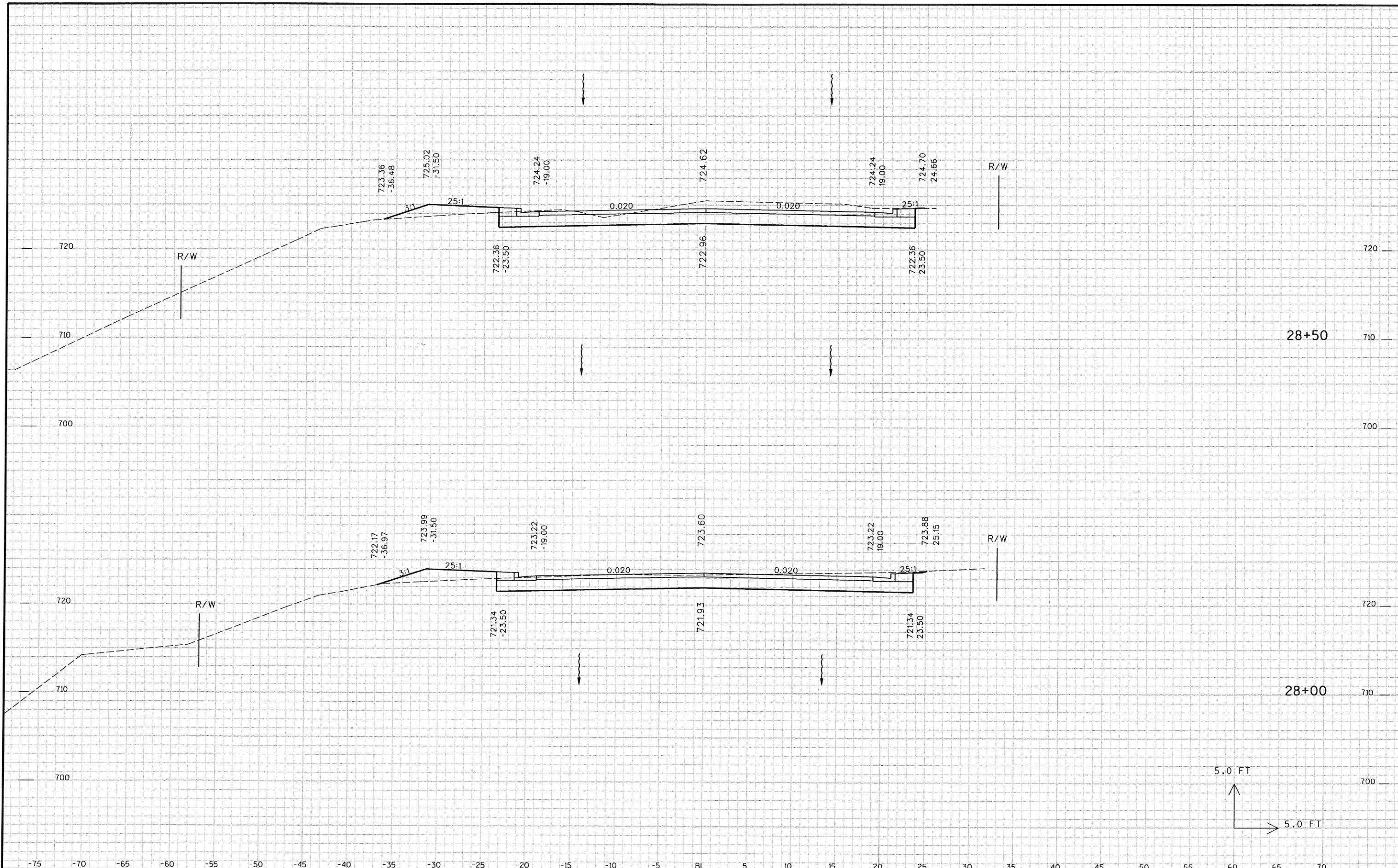


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SHEET NO: .			E



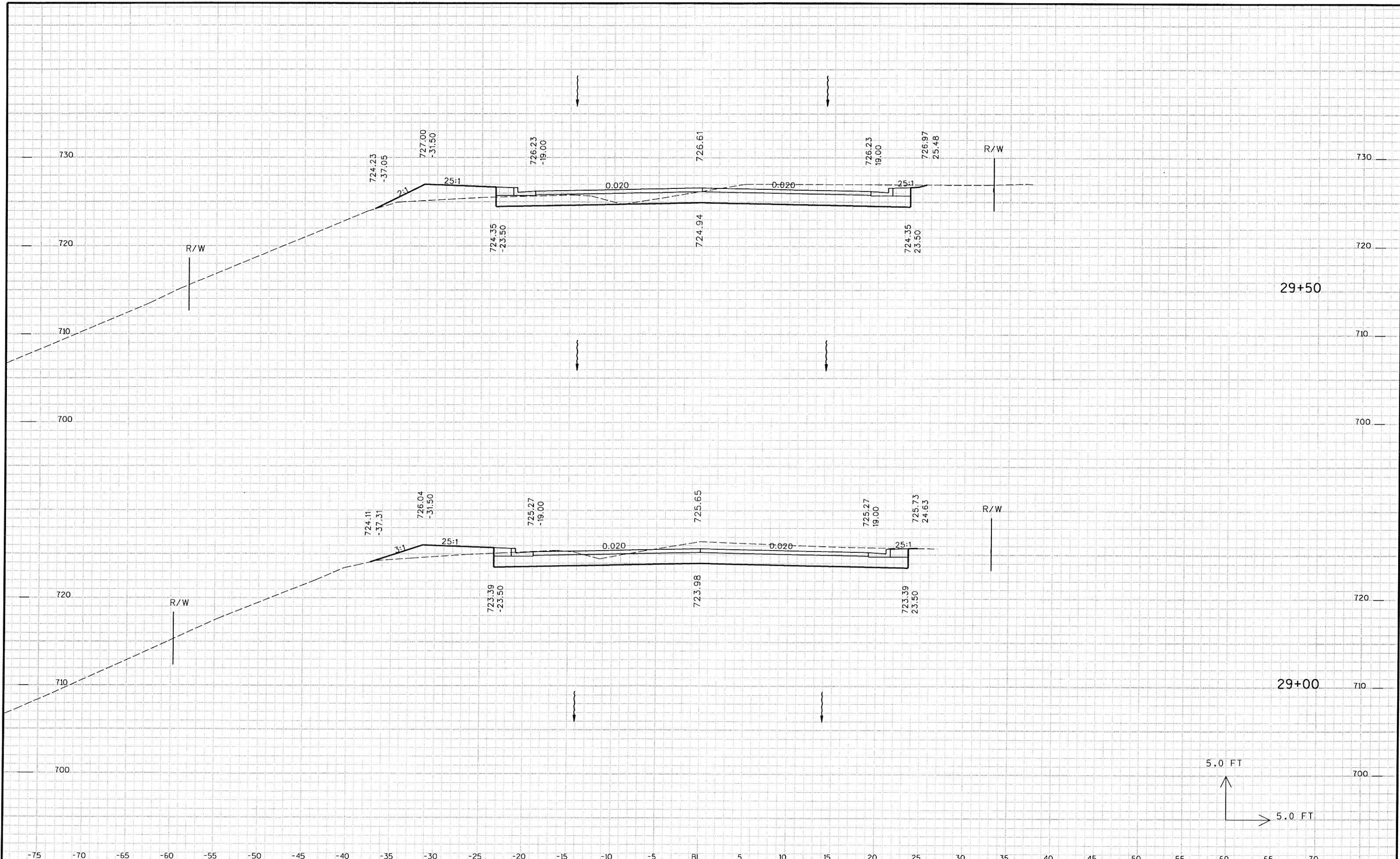






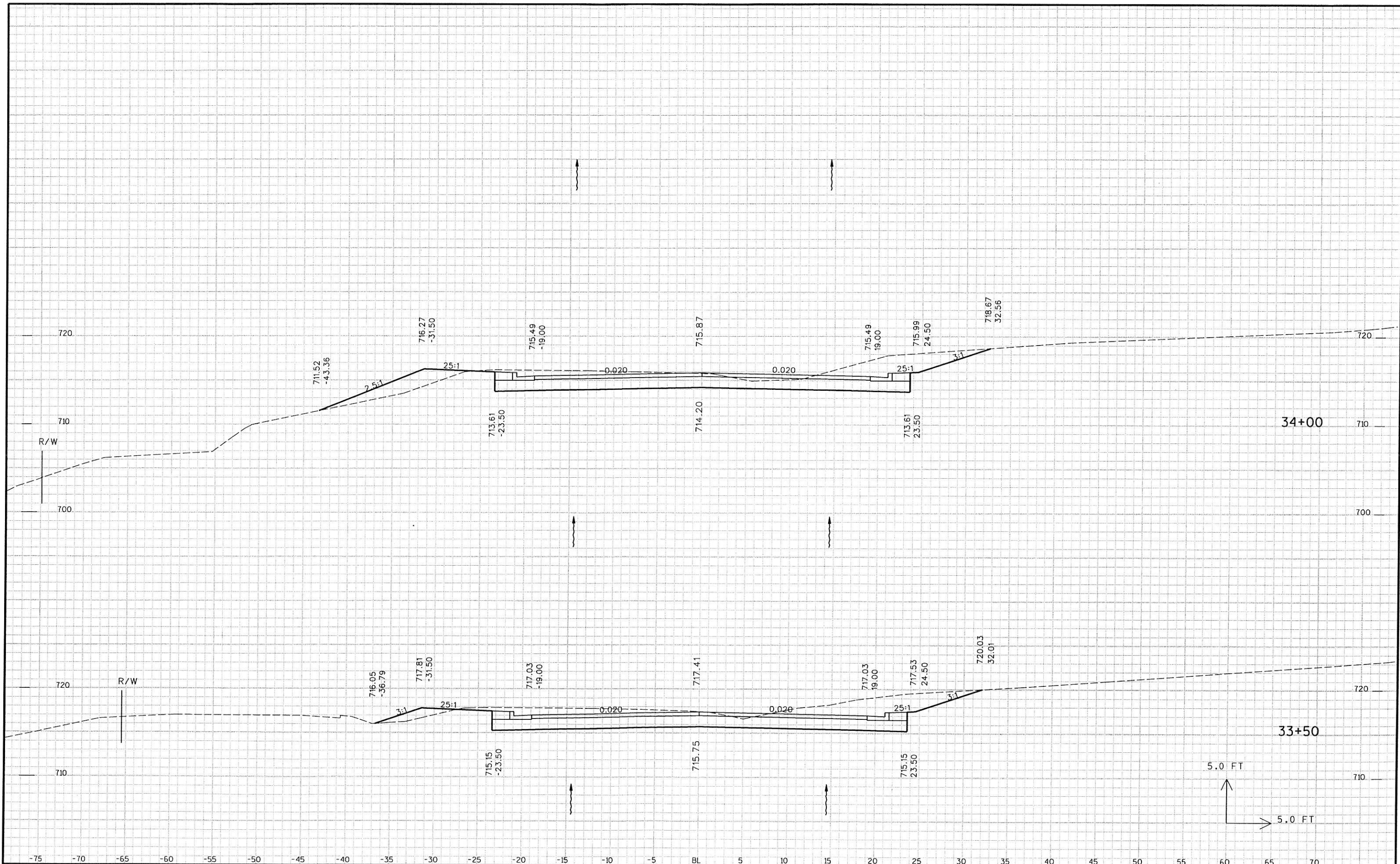
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STATE PROJECT NO : 5991-02-34	HWY : NKCR	COUNTY : LA CROSSE	CROSS SECTIONS : MAINLINE	SHEET NO: .	E
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STATE PROJECT NO : 5991-02-34

HWY : NKCR

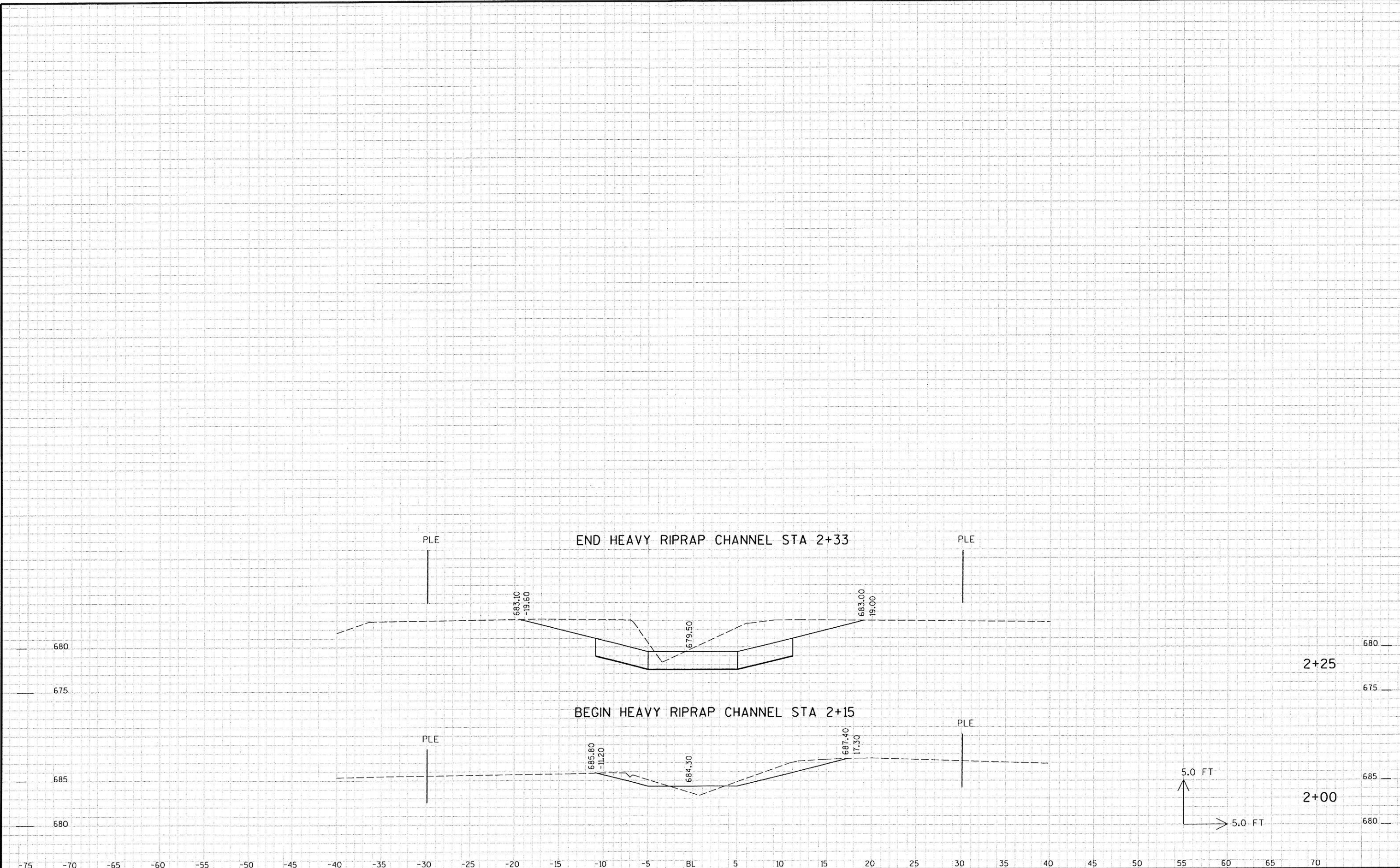
COUNTY : LA CROSSE

CROSS SECTIONS : MAINLINE

SHEET NO: .

E





STATE PROJECT NO : 5991-02-34	HWY : NKCR	COUNTY : LA CROSSE	CROSS SECTIONS - HEAVY RIPRAP CHANNEL
SHEET NO:			E