

PROJECT ID: 1133-05-71,72
WITH: N/A
PLOT NAME: 100
DESIGN ID: 1133-05-00
REV. DATE: 1-5-99
COUNTY: OUTAGAMIE
ORIGINATOR: DIST. 3, BALDWIN
FILE NAME: D3_113305100.dgn

INDEX OF SHEETS

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3.1-3.6	Estimate of Quantities
3A-3N	Miscellaneous Quantities
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5.1-5.6	Plan and Profile
6.1-6.49	Standard Detail Drawings
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9.1	Computer Earthwork Data
9.2-9.17	Cross Sections

TOTAL SHEETS = 147

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPLETON - GREEN BAY

CTH N INTERCHANGE

USH 41

OUTAGAMIE COUNTY

STATE PROJECT NUMBER
1133-05-71,72

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1133-05-71	BH 2001 (735)	1
1133-05-72	STP 2001 (736)	1

Plan Revision 08-08-01
Sheet 2.1, 3E, 3I Added

As-Built 1785

AS BUILT PLAN
NO.

SUPERVISOR Jim Lamers
RESIDENT Rod Hamilton
CONTRACTOR Pheifer Bros.
COMPLETED 8-9-02



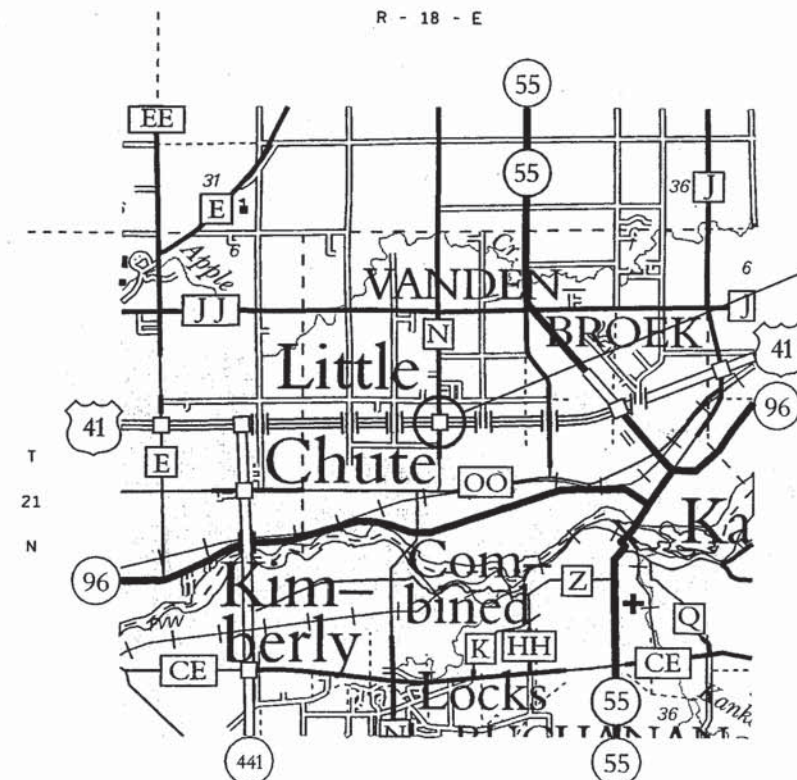
DESIGN DESIGNATION

	USH 41	CTH N
A.D.T. 2001	48 500	10 500
A.D.T. 2021	70 000	18 800
D.H.V.	3 927	1 137
D.	55/45	55/45
T.	11.6	8.5
V.	112 kph	64 KPH
ESALS	N/A	

693,500

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	SERVICE PEDESTAL
PROPOSED OR NEW R/W LINE	CABLE MARKER
SURVEY LINE	POWER POLE
SLOPE INTERCEPT	TELEPHONE POLE
ORIGINAL GROUND	RAILROAD
MARSH OR ROCK PROFILE	MARSH AREA
EXISTING CULVERT	WOODED OR SHRUB AREA
PROPOSED CULVERT (Box or Pipe)	
CULVERT (Profile View)	



PROJECT LOCATION
B-44-179

LAYOUT
SCALE 0 2.5 km

TOTAL NET LENGTH OF CENTERLINE = 0.00 km

ALL COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE SYSTEM SOUTH ZONE.

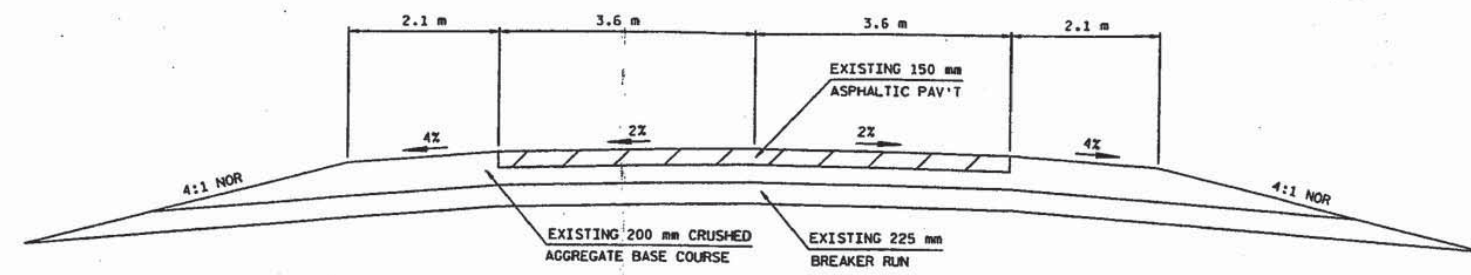
N-27

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor DISTRICT 3
Designer D. A. SCHMIDT
District Examiner
District Supervisor J. C. LAMERS
Proj. Dev. Engineer
C.O. Examiner N.R. AFFELDT

APPROVED FOR DISTRICT OFFICE
DATE: 3/28/01 Mark W. Johnson (Signature) P.E.

AUTHORIZED FOR CENTRAL OFFICE DESIGN
DATE: 6/4/01 Ray M. Vetter (Signature) P.E.



METRIC STANDARD DETAIL DRAWINGS

INLET COVERS TYPES A, H, A-S, & H-S	8A5-17a
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TRAFFIC CONTROL, EXIT RAMP CLOSURE	15D16-1
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EXISTING CTH N

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EROSION CONTROL	2.25-2.26
TRAFFIC SIGNALS	2.27-2.29
TRAFFIC CONTROL	2.30-2.32

UTILITIES

DIGGER'S HOTLINE 1-800-242-8511 (TOLL FREE)

AMERITECH
MARIE A. SCHWARM
221 W WASHINGTON STREET
4TH FLOOR OSPE
APPLETON WI 54911
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TELEPHONE

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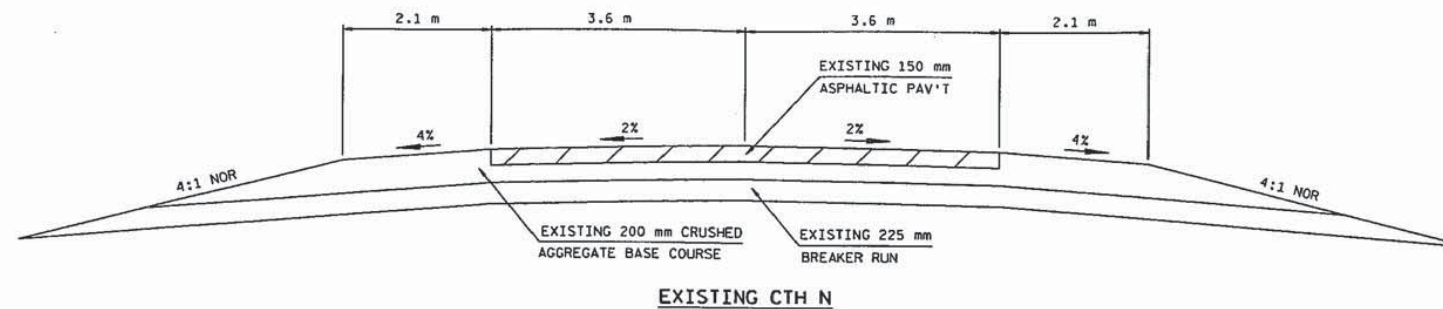
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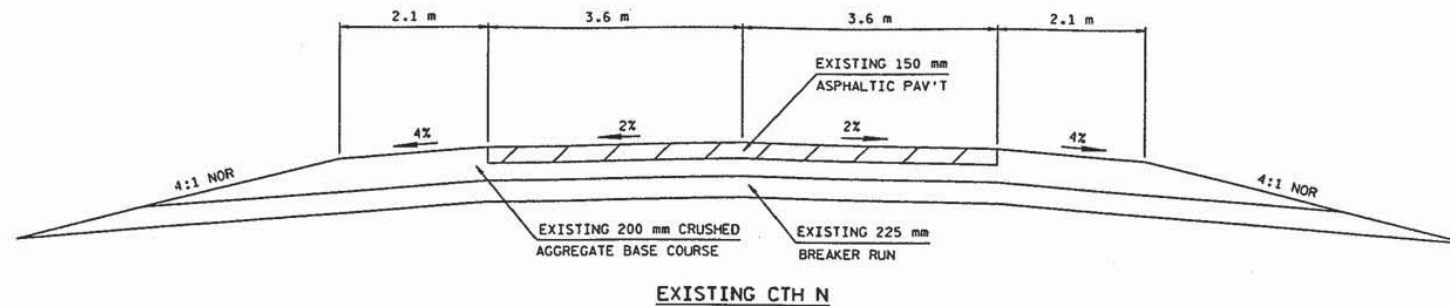
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EXISTING CTH N

GENERAL NOTES

THE CONTROL SURVEY FOR THIS PROJECT WAS CONDUCTED UNDER AND MET SPECIFICATIONS FOR THIRD ORDER CONTROL SURVEYS. ALL COORDINATES SHOWN ON THIS PLAN ARE GRID COORDINATES REFERENCED TO THE WISCONSIN COORDINATE SYSTEM, CENTRAL ZONE. THE X & Y COORDINATES ARE BASED ON NORTH AMERICAN DATUM 1983 (1991) ADJUSTMENT. CURVE DATA SHOWN ON THE PLAN IS "ARC DEFINITION". ALL DISTANCES AND STATIONING SHOWN ON THIS PLAN ARE GROUND VALUES. GRID VALUES ARE OBTAINED BY MULTIPLYING GROUND VALUES BY 0.999940. BEARINGS ON THIS PLAN ARE GRID BEARINGS TO THE NEAREST SECOND. ALL ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D.). THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE EXISTING RIGHT-OF-WAY IS RESERVED FOR HIGHWAY PURPOSES BY EASEMENT. THE CONTRACTOR SHALL MAKE HIS OWN NEGOTIATIONS WITH THE PROPERTY OWNERS RELATIVE TO THE DISPOSAL OF TREES CUT ON THEIR PROPERTY IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER. THE ITEM "REMOVING OLD CULVERTS" WILL PERTAIN ONLY TO THOSE CULVERTS ENUMERATED IN THE SUMMARY OF MISCELLANEOUS QUANTITIES. ALL OTHER CULVERTS TO BE REMOVED WILL BE INCIDENTAL TO CULVERT INSTALLATION OR COMMON EXCAVATION. THE ELEVATIONS SHOWN ON THE ROADWAY CROSS SECTIONS ARE EARTH GRADE ELEVATIONS AT THE CENTERLINE OF THE ROADWAY. FILL AS SHOWN ON THE PLAN PERTAINS TO EMBANKMENT CONSTRUCTED FROM BORROW AND COMMON EXCAVATION AND CONCRETE PAVEMENT DISPOSAL. THE FACTOR USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 1.15 FOR BORROW EXCAVATION, 1.40 FOR COMMON EXCAVATION. WATER VALVE ADJUSTMENTS WILL BE INCIDENTAL TO THE CONCRETE PAVEMENT BID ITEM.

EBS AREAS SHALL BE APPROXIMATELY 1.0 METER BELOW SUBGRADE. EBS SHALL TAPER FROM A DEPTH OF 1.0 METER TO ZERO IN 25 METERS. EARTHWORK BALANCES AND HAULS AS SHOWN ON THE PLAN AND PROFILE SHEETS MAY BE REVISED WITH THE APPROVAL OF THE ENGINEER IF SUCH REVISIONS WILL FACILITATE THE CONTRACTOR'S PLAN OF OPERATION AND SATISFY THE REQUIREMENTS OF THE CONTRACT PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. WHEN THE QUANTITY OF CRUSHED AGGREGATE BASE COURSE OR ASPHALTIC PAVEMENT MEASURED FOR PAYMENT BY THE M_q , THE DEPTH OR THICKNESS AS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND UPON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD. THE EXACT LOCATIONS FOR CONDUITS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. THE EXACT LOCATIONS AND LIMITS OF PRIVATE ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. CURB AND GUTTER RADII ARE SHOWN TO THE FRONT FACE OF CURB. THE QUANTITY OF SALVAGED TOPSOIL WAS COMPUTED FROM MEASUREMENTS BETWEEN THE FINISHED SUBGRADE POINTS AND THE SLOPE INTERCEPTS AS SHOWN ON THE CROSS SECTIONS PLUS 2 METERS PER STATION FOR ROUNDING. ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS BETWEEN THE SUBGRADE SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED AND MULCHED. DISTURBED AREAS THAT WERE PREVIOUSLY LAWNS SHALL BE SEEDED WITH SEED MIXTURE NO. 40. EXCESS TOPSOIL MAYBE USED FOR EMBANKMENT CONSTRUCTION AT LOCATIONS OUTSIDE THE 1:1 SLOPE. FILL CONSTRUCTION REGARDING BENCHING AS DESCRIBED IN SECTION 205.3.1, OF THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, SHALL BE FOLLOWED. THE CONTRACTOR SHALL NOTIFY THE DISTRICT TRAFFIC UNIT, 920-492-3512, TWO WEEKS PRIOR TO PROJECT COMPLETION TO ALLOW FOR THE PLACEMENT OF ANY PERMANENT SIGNING WHICH WAS REMOVED OR MOVED DURING CONSTRUCTION OPERATIONS. REINFORCED CONCRETE APRON END WALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED TOGETHER AS SHOWN ON THE STANDARD DETAIL DRAWINGS AND AS LOCATED IN THE MISCELLANEOUS QUANTITIES. JOINT TIE SHALL BE INCIDENTAL TO THE PIPE THE ENDWALL IS ATTACHED TO. THE ELEVATIONS OF THE UNDERGROUND TELEPHONE UTILITY SHOWN ON THE CROSS SECTIONS ARE BASED ON AMERITECH DATA.

DETAIL SHEET INDEX

SHEET TITLE	SHEET NUMBER
WRITTEN MATERIAL	2.1
PROJECT OVERVIEW	
TYPICAL CROSS SECTIONS	
CONSTRUCTION DETAILS	
INTERCHANGE DETAILS	
EROSION CONTROL	
TRAFFIC SIGNALS	
TRAFFIC CONTROL	

ADDENDUM 7/31/01

UTILITIES

DIGGER'S HOTLINE 1-800-242-8511 (TOLL FREE)

AMERITECH
MARIE A. SCHWARM
221 W WASHINGTON STREET
4TH FLOOR OSPE
APPLETON WI 54911
920 735-3206 PAGER 920-556-2818 FAX 920-735-3073
TELEPHONE

KALKAUNA UTILITIES
ERIC MILLER
777 ISLAND STREET
PO BOX 1777
KALKAUNA WI 54130
ELECTRIC AND WATER

VILLAGE OF LITTLE CHUTE DEPT OF PUBLIC WORKS
ROY VAN GHEEM
1940 BUCHANAN STREET
LITTLE CHUTE WI 54140
920 788 7395, 920-788-7398 FOR WATER
WATER AND SEWER

WEPCO ELECTRIC OPERATIONS
MIKE JAMES
231 W MICHIGAN A440
MILWAUKEE WI 53201
414-221-2719
ELECTRIC

WEPCO GAS OPERATIONS
MIKE JAMES
231 W MICHIGAN A440
MILWAUKEE WI 53201
414-221-2719
GAS

D.N.R. AREA LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
SHELLY SCHAEZT 920-492-5819
P.O. BOX 10448
1125 NORTH MILITARY AVENUE
GREEN BAY, WISCONSIN 54307-0448

COUNTY SURVEYOR OR SURVEYS CONTACT PERSON

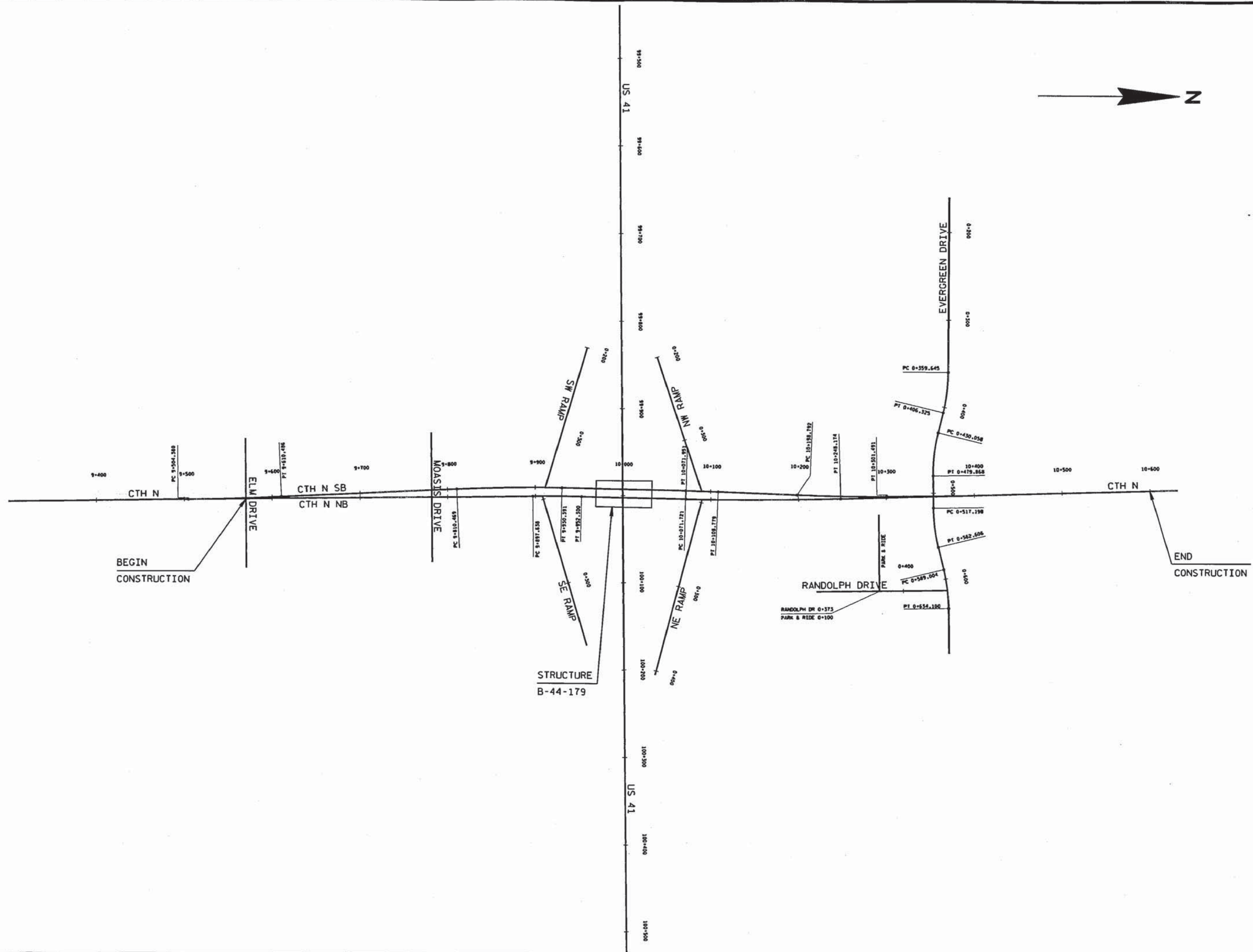
JAMES HEBERT - OUTAGAMIE COUNTY
ZONING ADMINISTRATOR
410 SOUTH WALNUT STREET
APPLETON, WISCONSIN 54914
PHONE 920-832-5255

PLOT SCALE: 2

ORIGINATOR: KRUEGER 1-16-98
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

REV. DATE:

PLOT NAME:



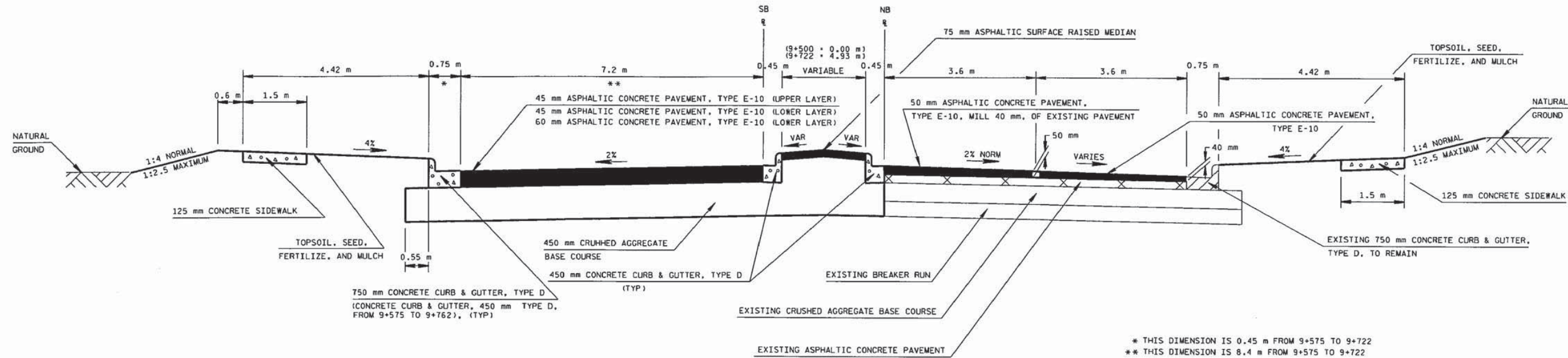
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PLOT NAME: PT24

REV. DATE: 1-11-93

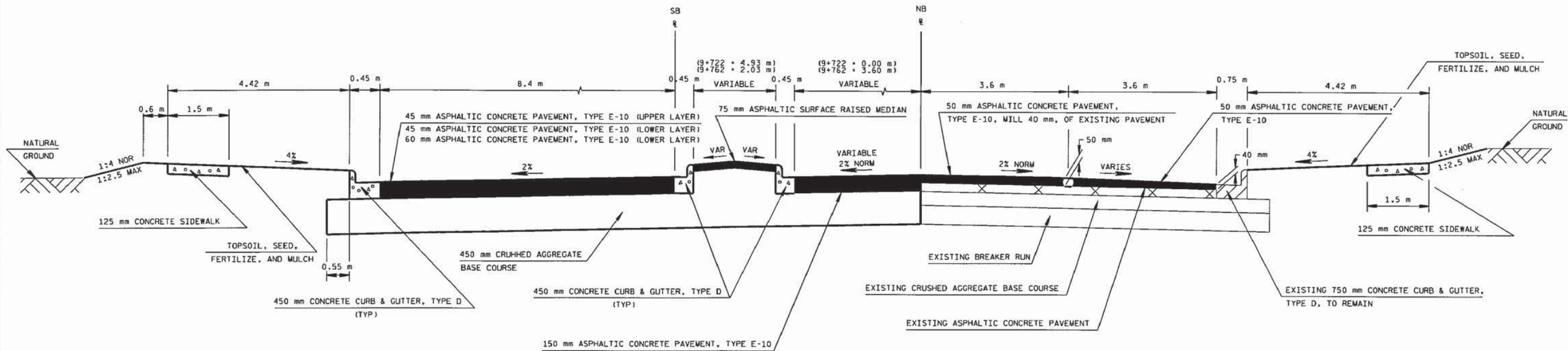
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TYPICAL CROSS SECTION FOR CTH N
9+555 TO 9+722

NOTE :
EXISTING ASPHALTIC CONCRETE PAVEMENT REMOVED TO INSTALL
450 mm CONCRETE CURB AND GUTTER, TYPE D WILL BE REPLACED
WITH ASPHALTIC CONCRETE PAVEMENT, TYPE HV AND PAID FOR UNDER
THAT ITEM



TYPICAL CROSS SECTION FOR CTH N
9+722 TO 9+762



SCALE: 1:50

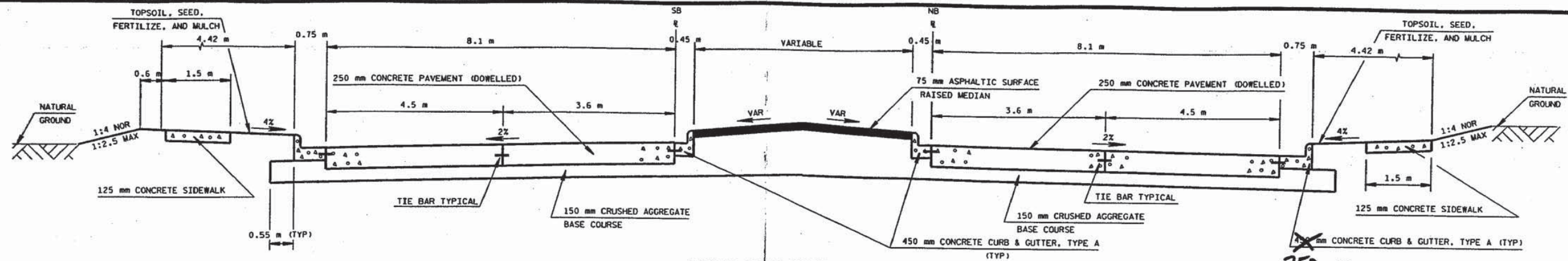
HWY: USH 41

COUNTY: OUTAGAMIE

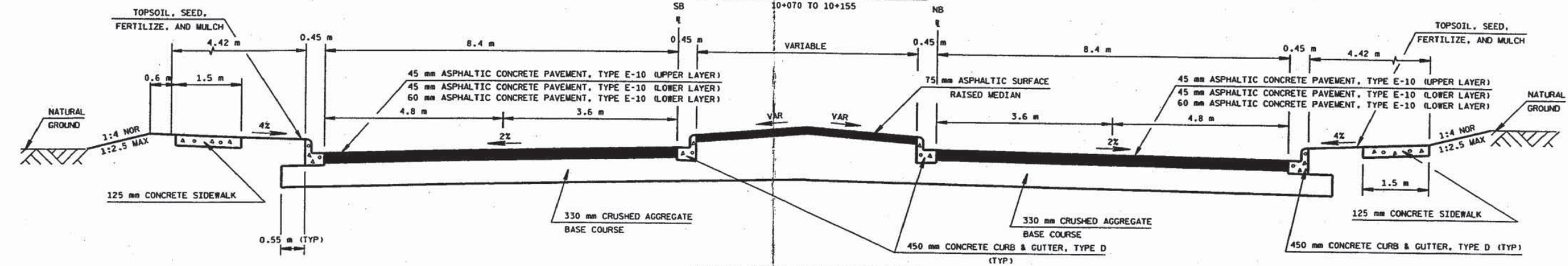
STATE PROJECT NO: 1133-05-71

SHEET NO: 2.4

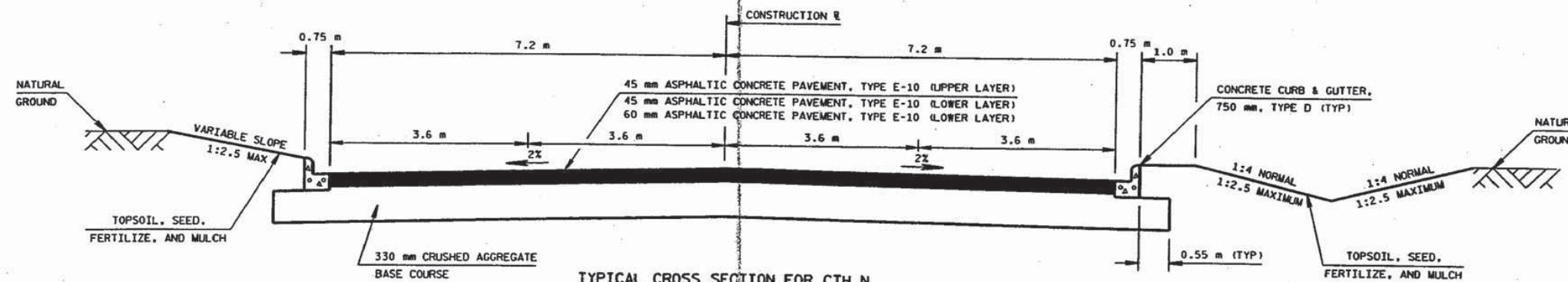
M



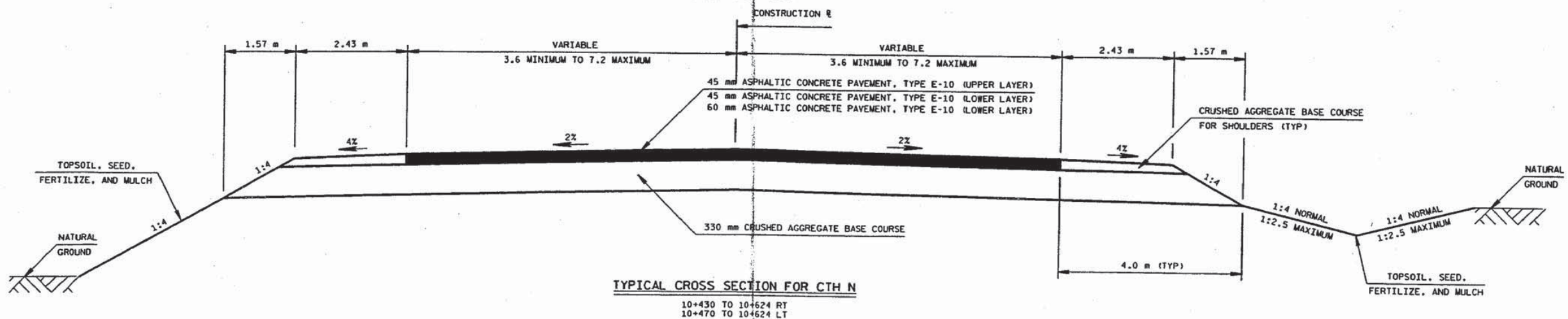
TYPICAL CROSS SECTION FOR CTH N



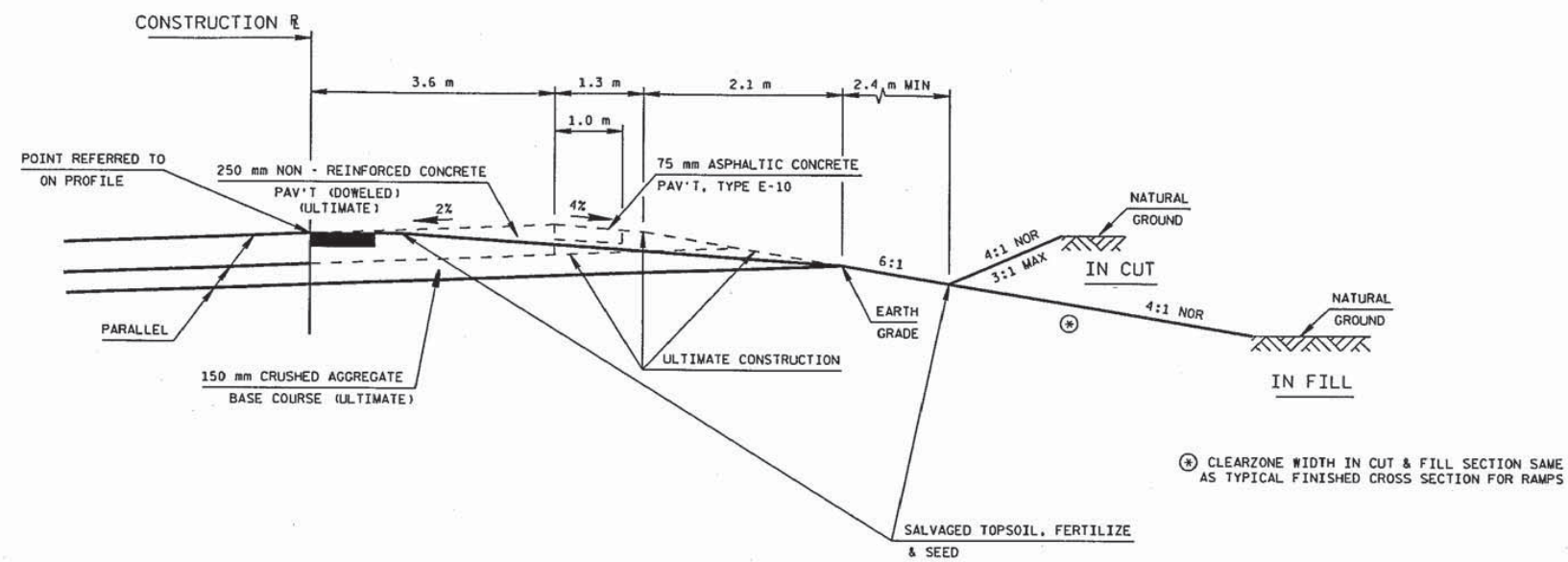
TYPICAL CROSS SECTION FOR CTH N



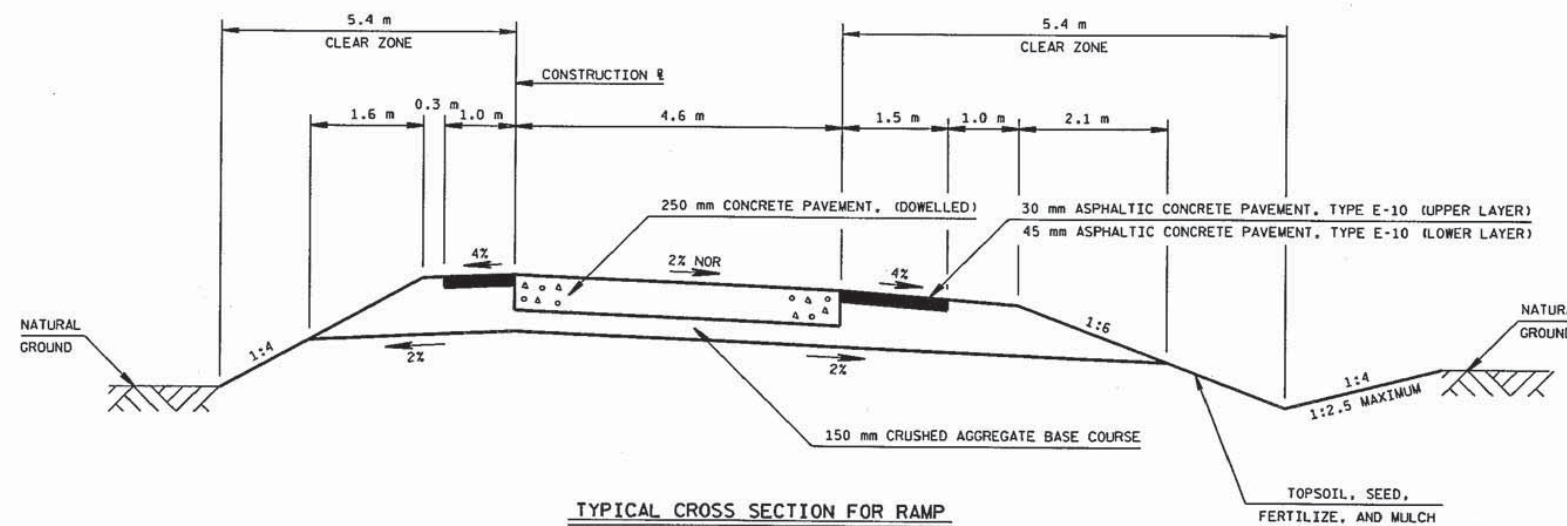
TYPICAL CROSS SECTION FOR CTH N



TYPICAL CROSS SECTION FOR CTH N



TYPICAL CROSS SECTION FOR NE, NW, SW RAMPS



TYPICAL CROSS SECTION FOR RAMP

0+225 TO 0+250 (SE RAMP)

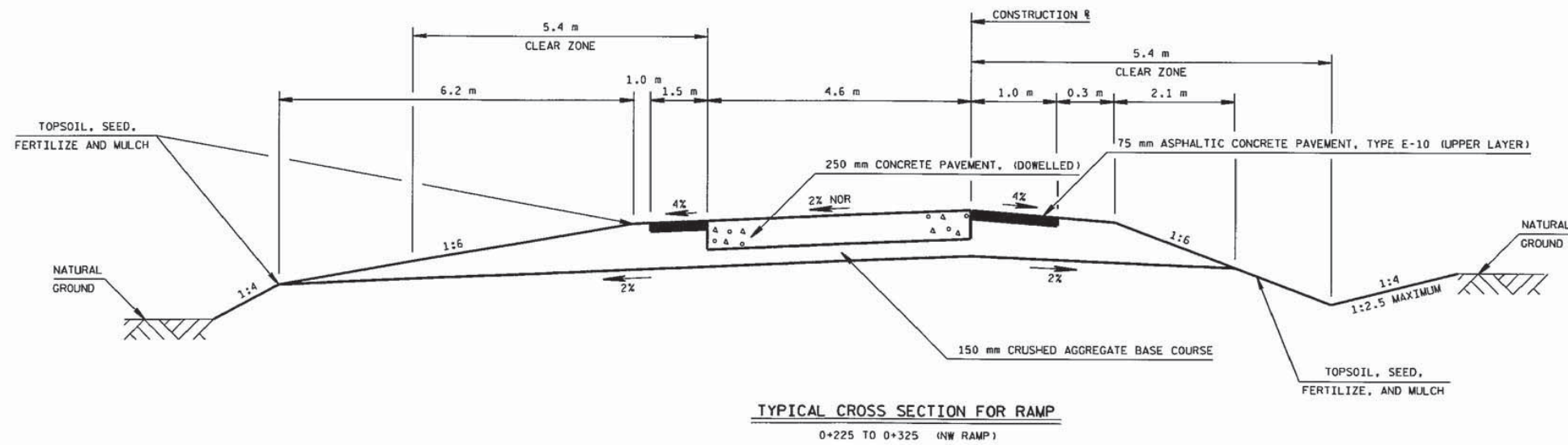
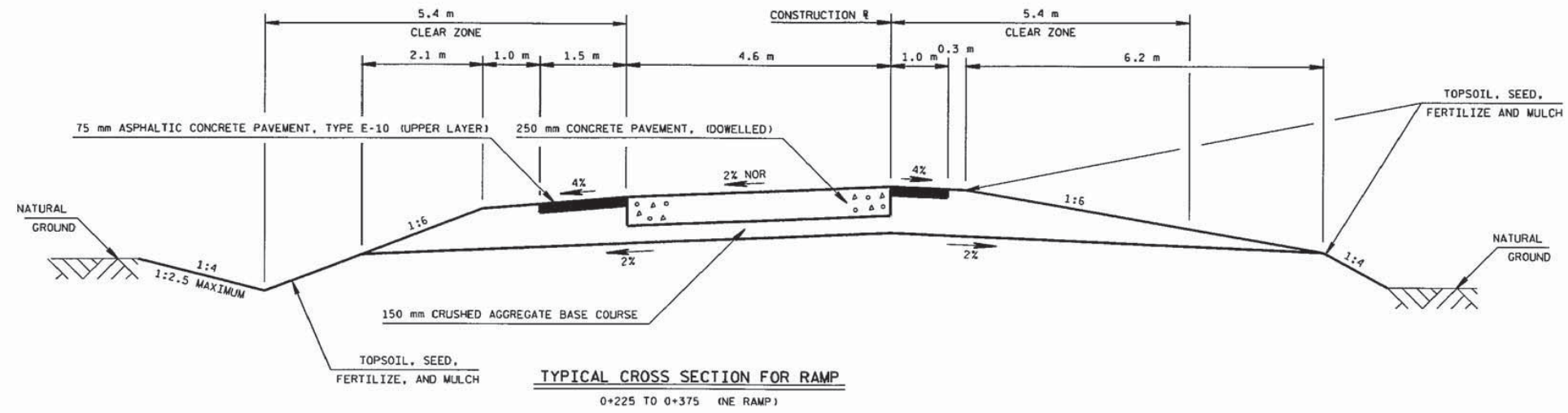
PLOT SCALE: 50

PLOT NAME: PT7
REV. DATE: 1-6-99

REV. DATE: 1-6-99

ORIGINATOR: DIST 3 2-12-98

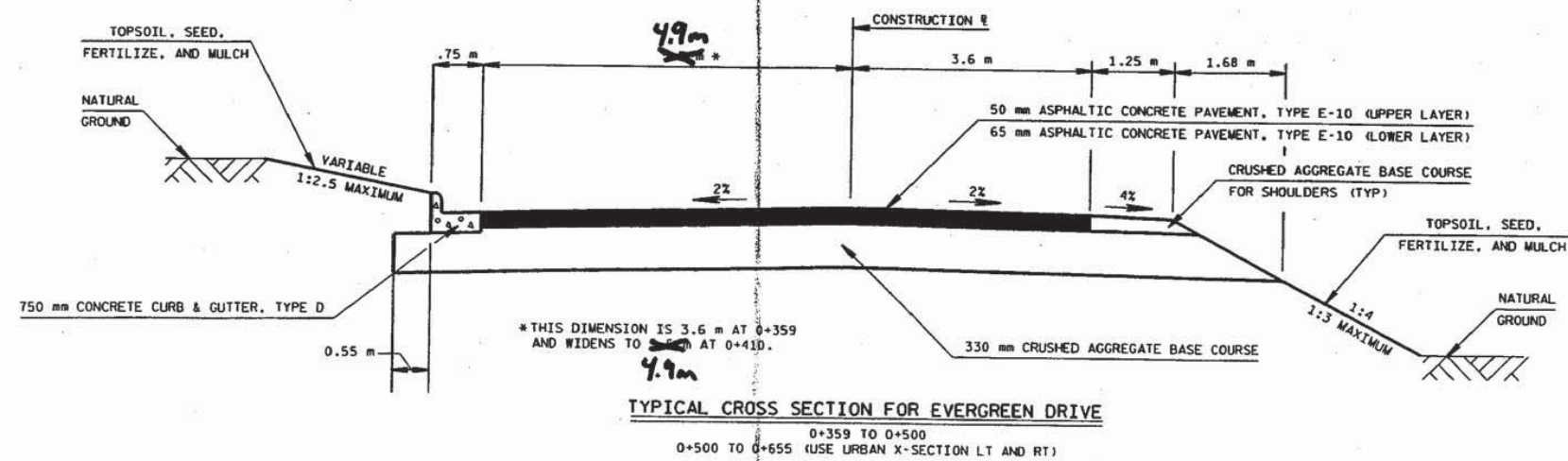
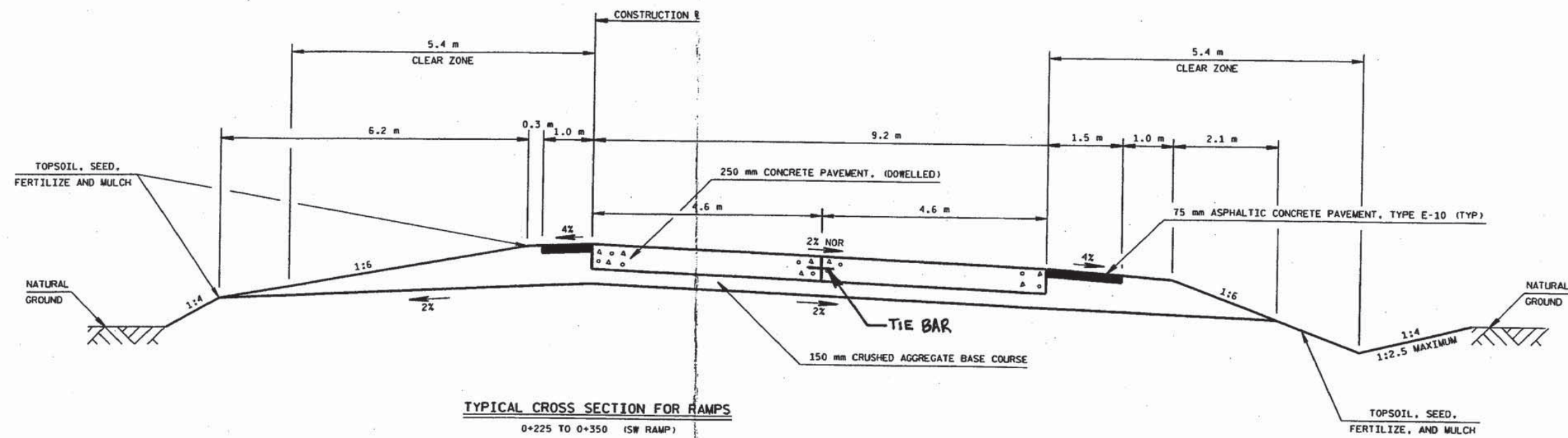
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REV. DATE: 1-7-99

ORIGINATOR: DIST. 3

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 CROSS SECTIONS

SCALE: 1 : 50

HWY: USH 41

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SHEET NO: 2.8

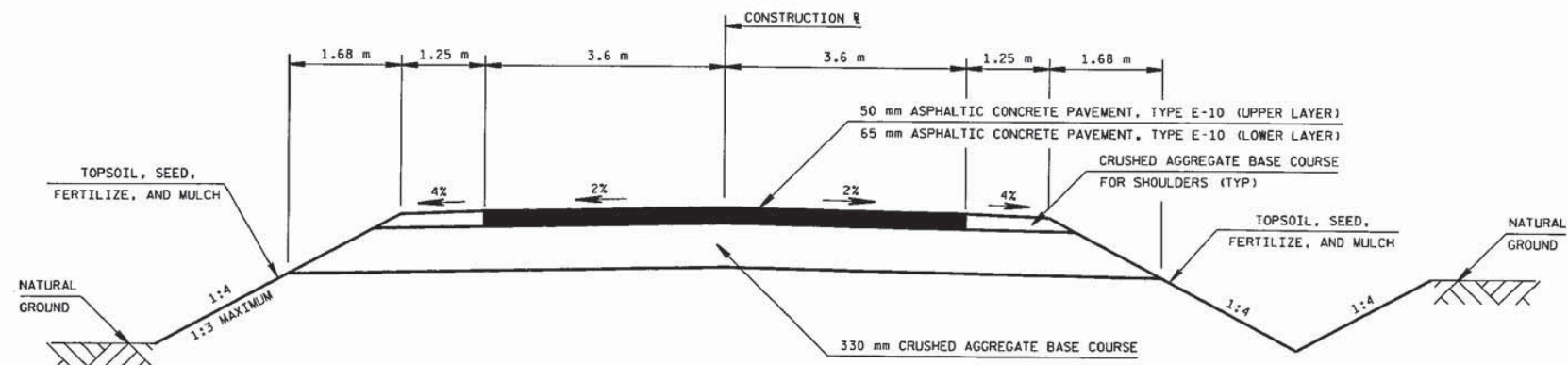
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PLOT SCALE: 50

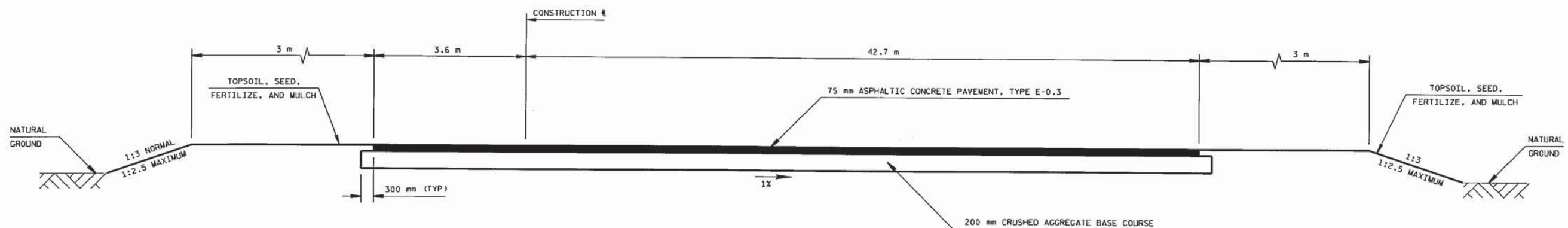
REV. DATE: 1-11-99
PLOT NAME: PT6D
FILE NAME: D3 113305:2004.DGN

ORIGINATOR: DIST. 3

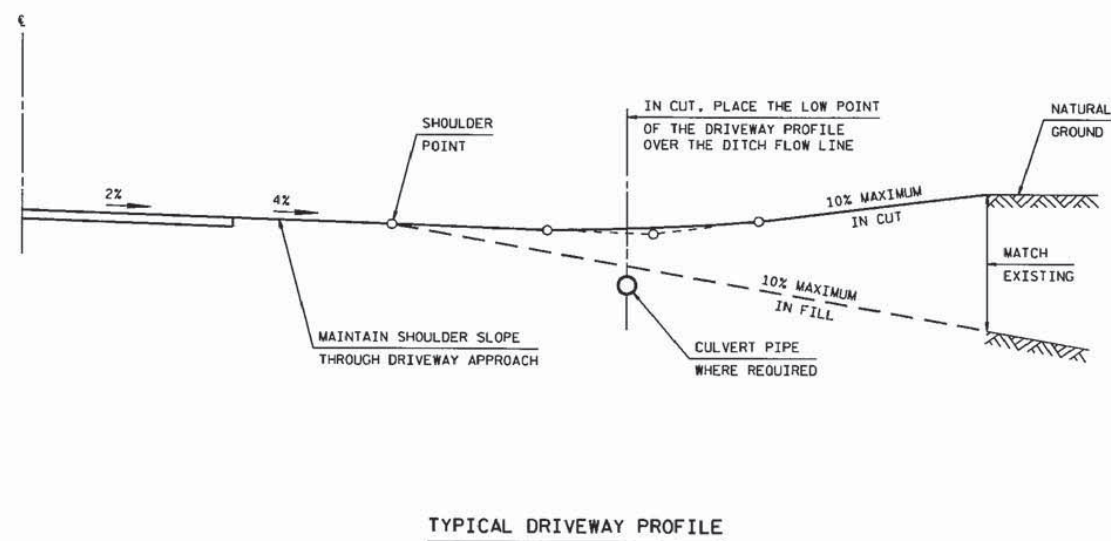
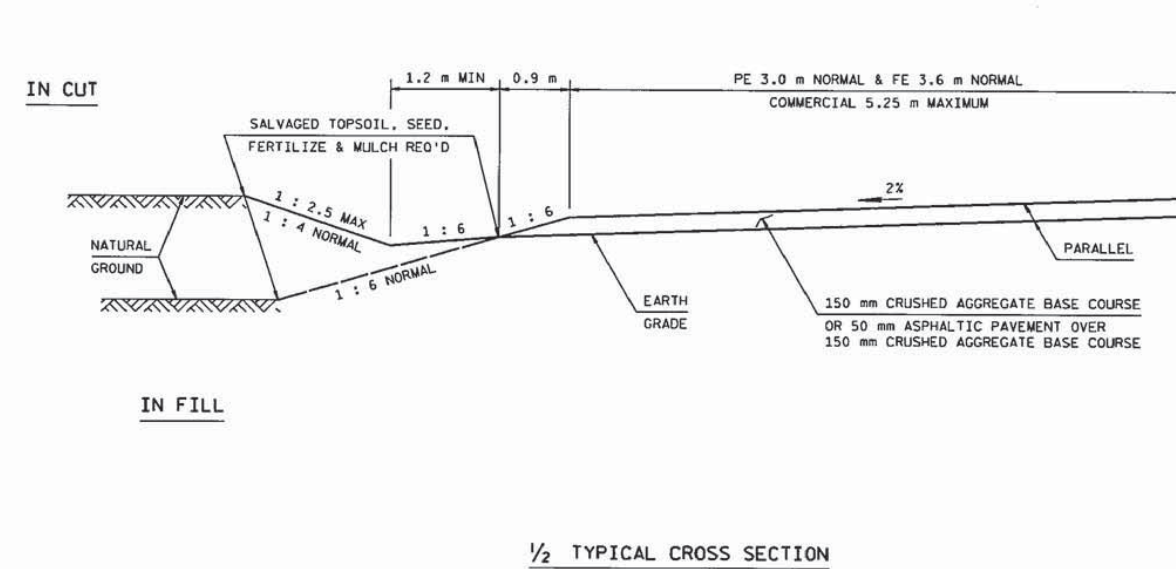
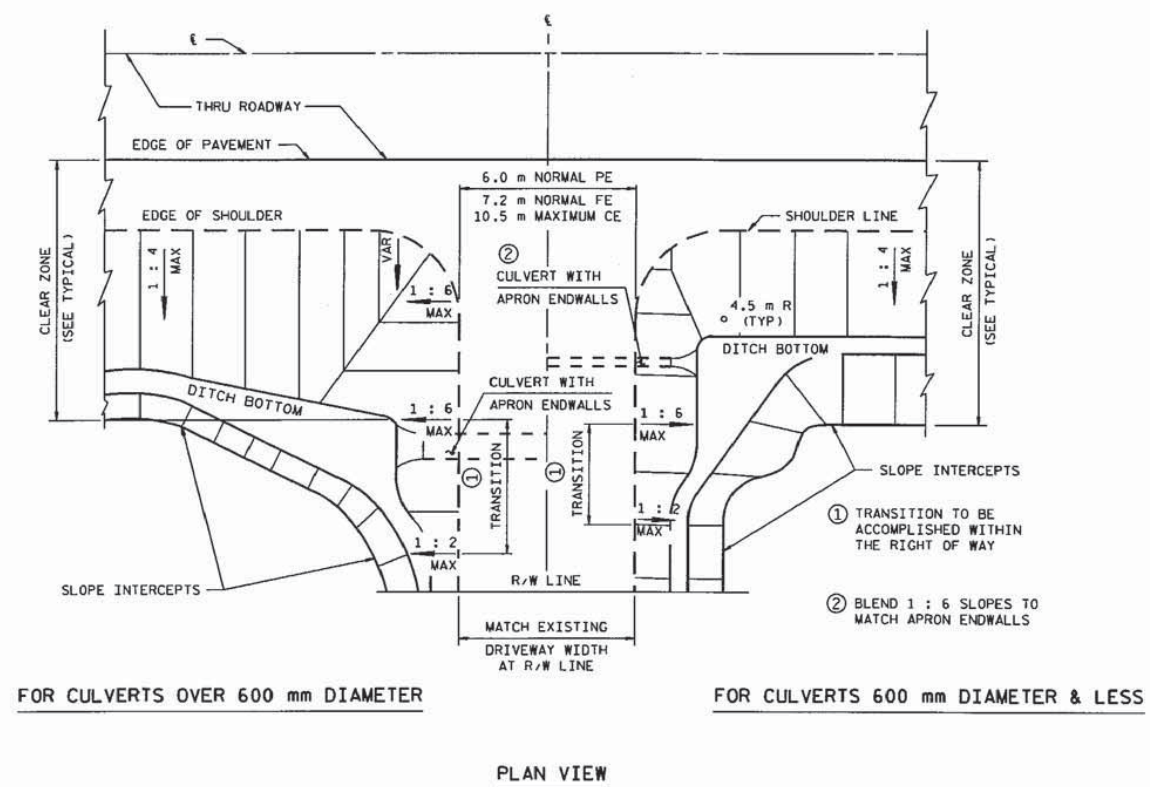
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TYPICAL CROSS SECTION FOR RANDOLPH DRIVE
0+325 TO 0+449



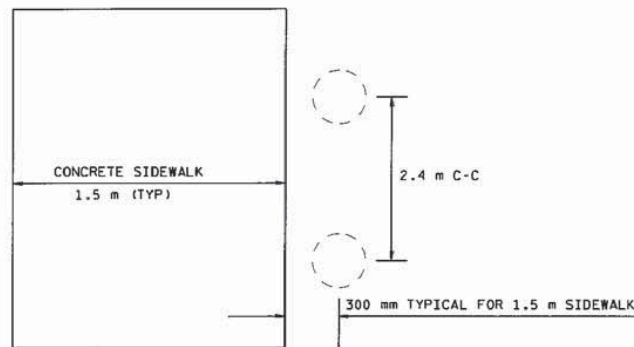
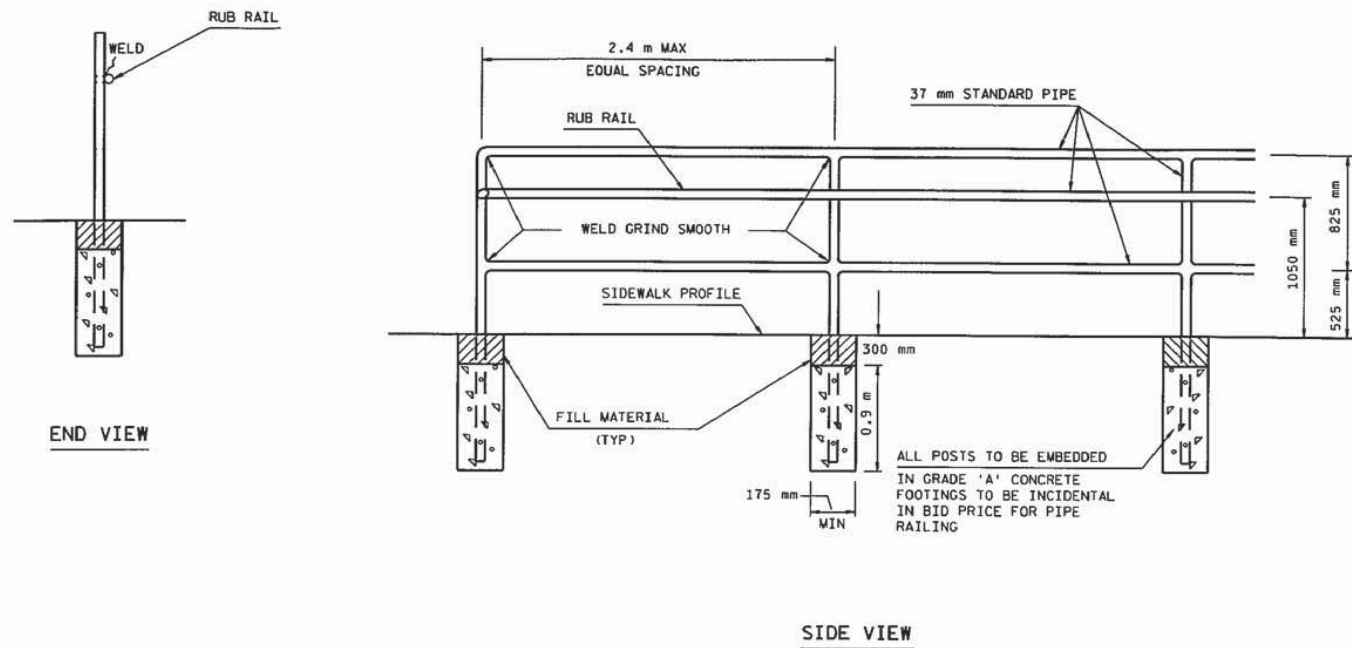
TYPICAL CROSS SECTION FOR PARK & RIDE
0+115 TO 0+177



PLOT SCALE: 1

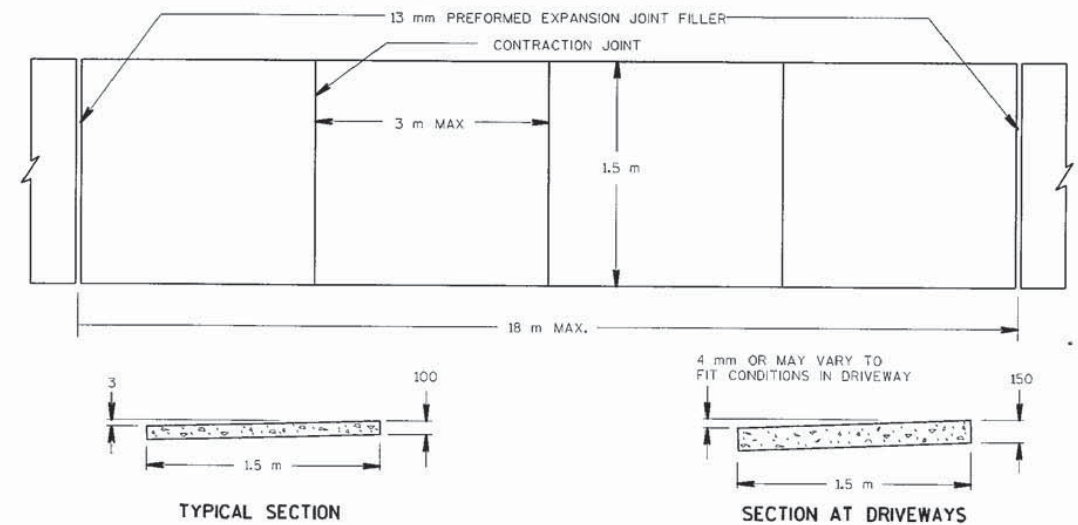
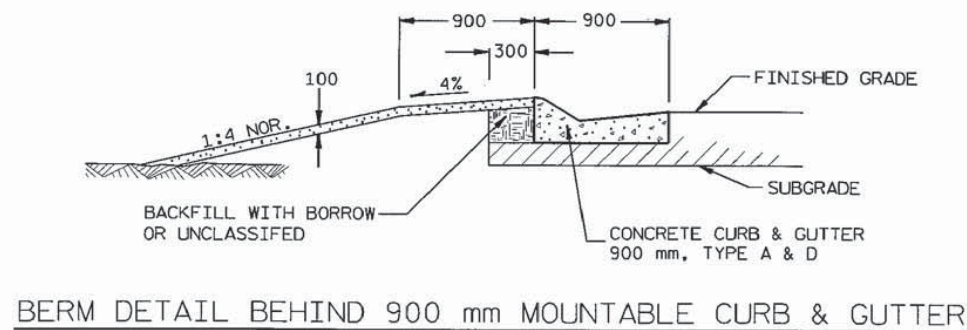
REV. DATE: 1-11-99
PLOT NAME: 220bd
62.63

ORIGINATOR: DIST 3
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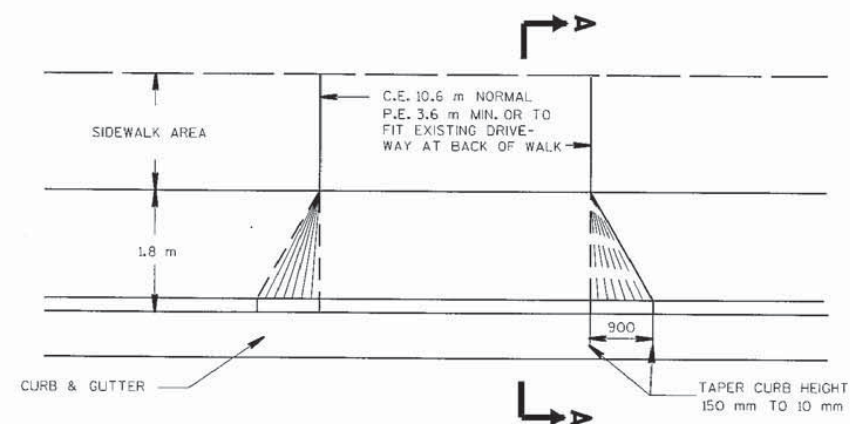
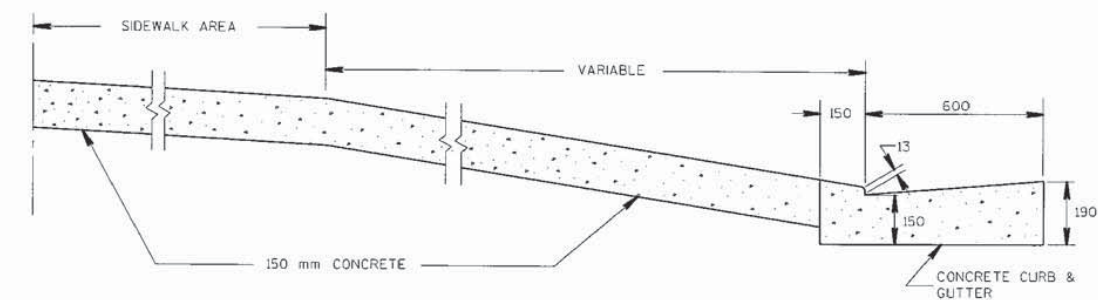


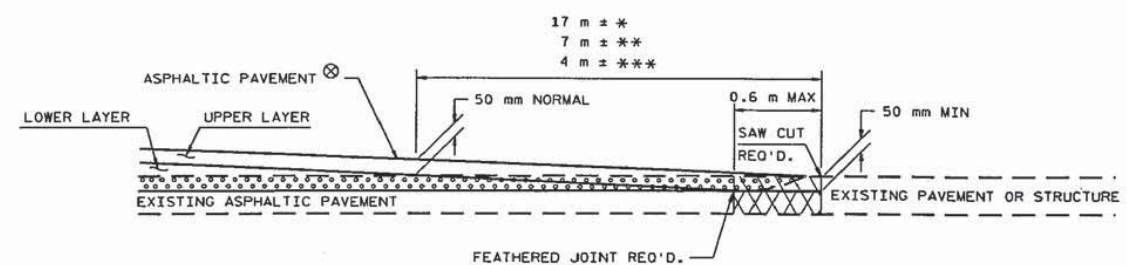
PIPE RAILING DETAIL

9+855 - 9+895 RT
9+915 - 9+965 RT & LT
10+035 - 10+085 RT & LT
10+105 - 10+275 RT
9+855 - 9+900 LT
10+105 - 10+240 LT



SIDEWALK DETAIL

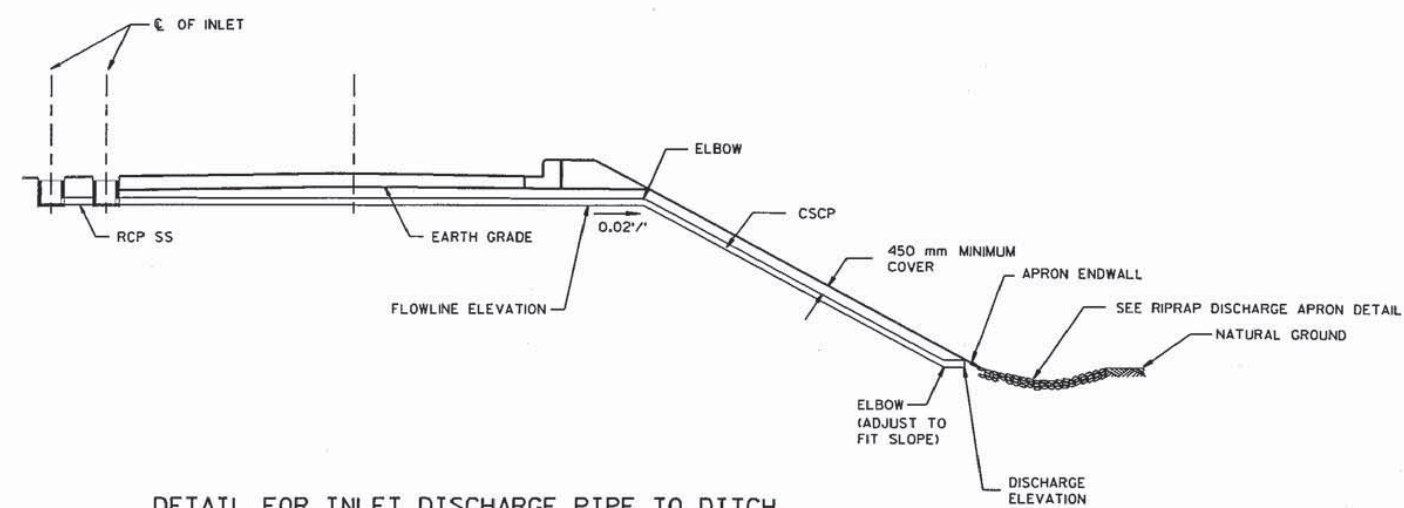




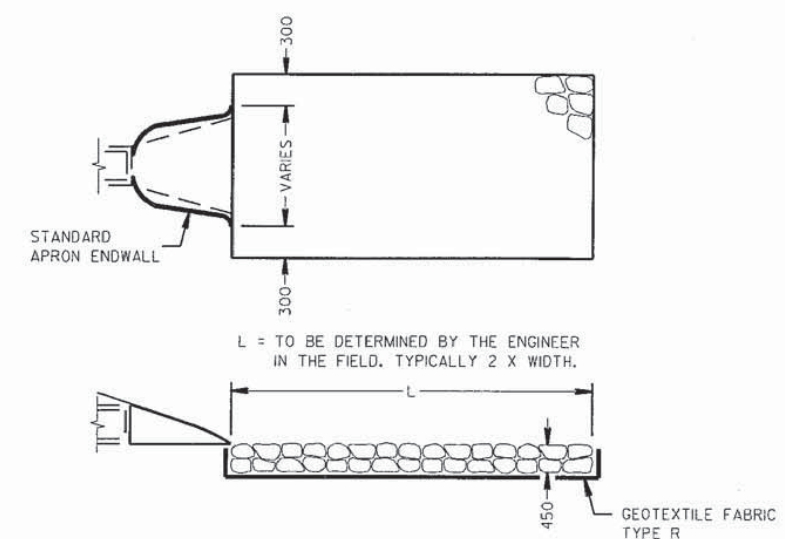
- ⊗ SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS
- REMOVING ASPHALTIC PAVEMENT, MILLING
 - REMOVING ASPHALTIC SURFACE, BUTT JOINTS (FULL DEPTH REMOVAL OPTIONAL)
 - ASPHALTIC WEDGING (FULL DEPTH REMOVAL OPTION)

BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS

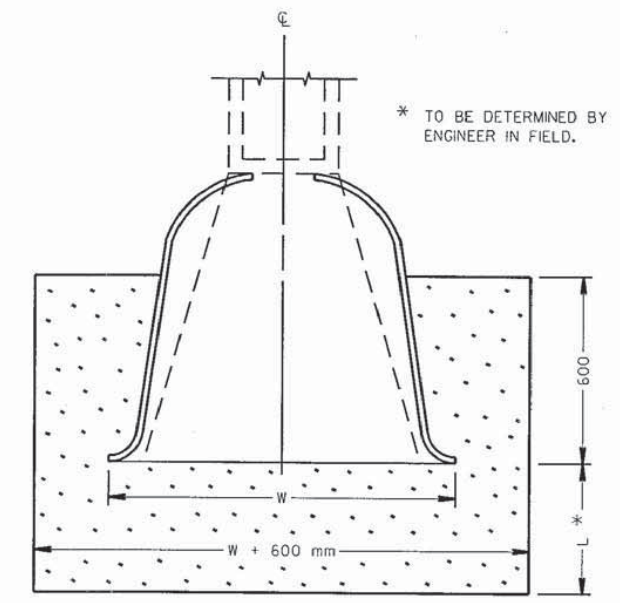
- * MAINLINE
- ** SIDEROADS
- *** PRIVATE ENTRANCES



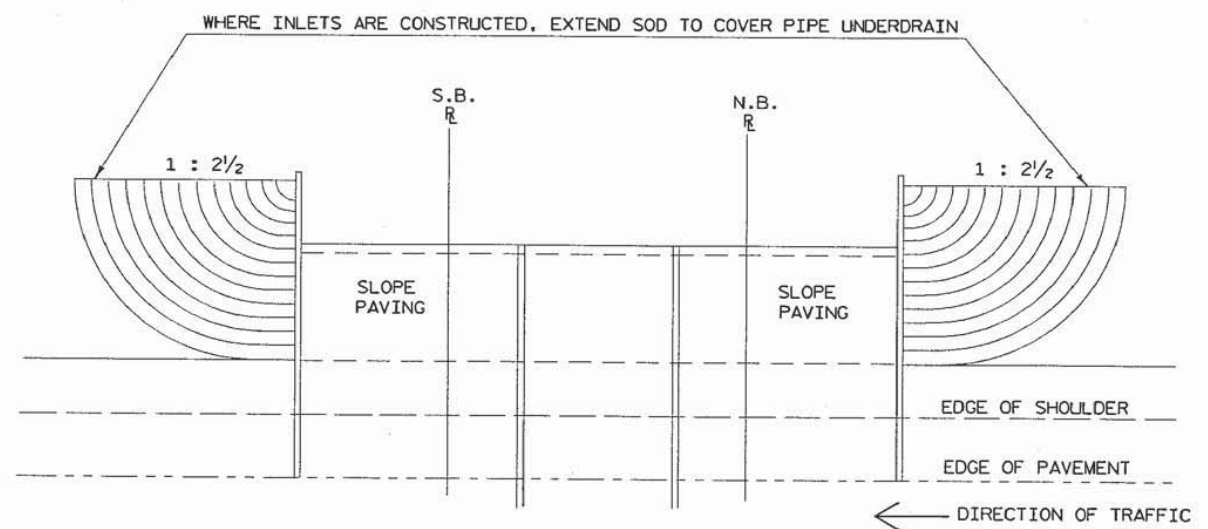
DETAIL FOR INLET DISCHARGE PIPE TO DITCH



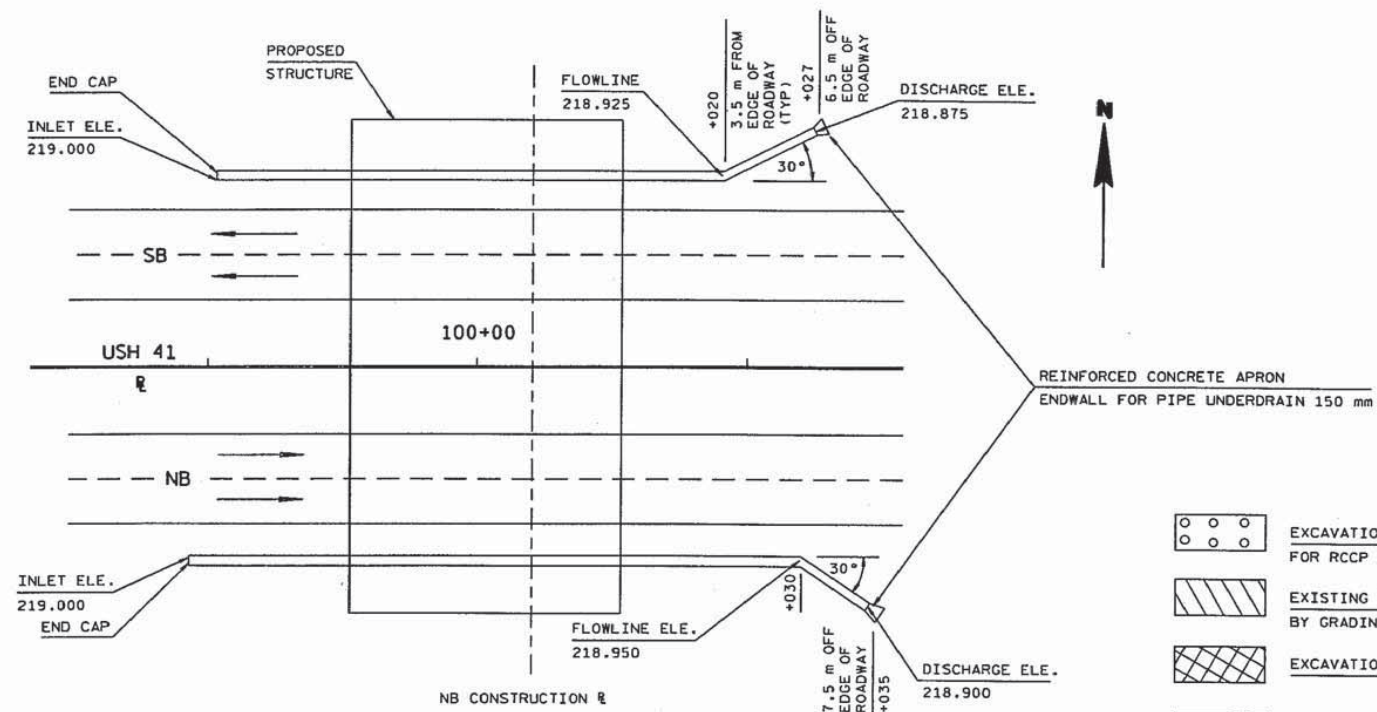
MEDIUM RANDOM RIPRAP DISCHARGE APRON



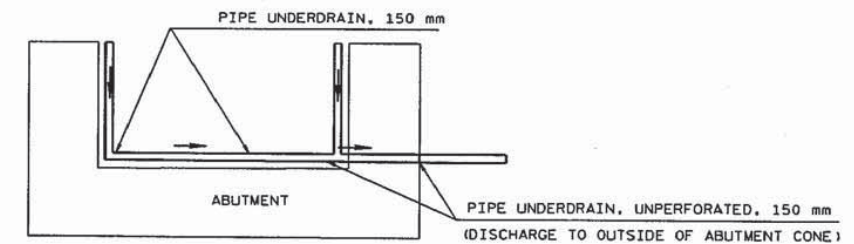
SOD OR MEDIUM RANDOM RIPRAP AT PIPE END



DETAIL OF SOD SLOPES AT STRUCTURES

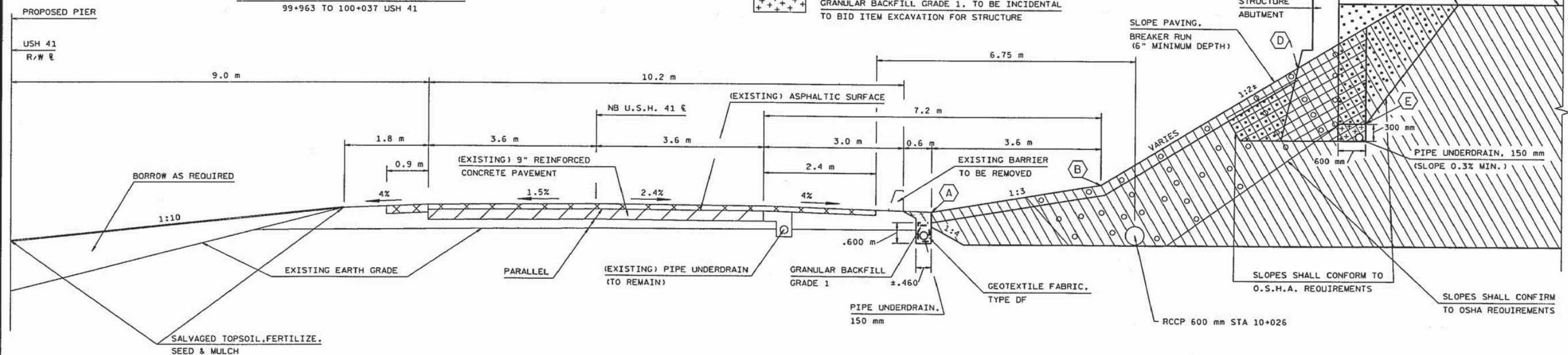


PIPE UNDERDRAIN LAYOUT AT SLOPES
99+963 TO 100+037 USH 41



UNDERDRAIN LAYOUT FOR ABUTMENTS AT STRUCTURE B-44-179

- EXCAVATION INCLUDED IN BID ITEM FOR RCCP PIPE AT 10+026
- EXISTING FILL OR (FILL IN PLACE BY GRADING CONTRACTOR)
- EXCAVATION FOR STRUCTURE
- STRUCTURE BACKFILL BY BRIDGE CONTRACTOR
- GRANULAR BACKFILL GRADE 1, TO BE INCIDENTAL TO BID ITEM EXCAVATION FOR STRUCTURE



											
STRUCTURE	ABUTMENT	€ BEARING STATION	ELEV.	STATION	ELEV.	STATION	ELEV.	STATION	ELEV.	STATION	ELEV.
B-44-179	SOUTH	9+968.150	223.520	9+980.20	219.317	9+976.60	220.517	9+963.00	225.570	9+966.00	222.770
B-44-179	NORTH	10+031.850	224.100	10+019.80	219.293	10+023.40	219.493	10+037.00	226.275	10+034.00	223.350

LONGITUDINAL SECTION FOR NORTH & SOUTH ABUTMENTS AT CTH N OVER U.S.H. 41
N BOUND USH 41 SHOWN S BOUND USH 41 SIMILAR

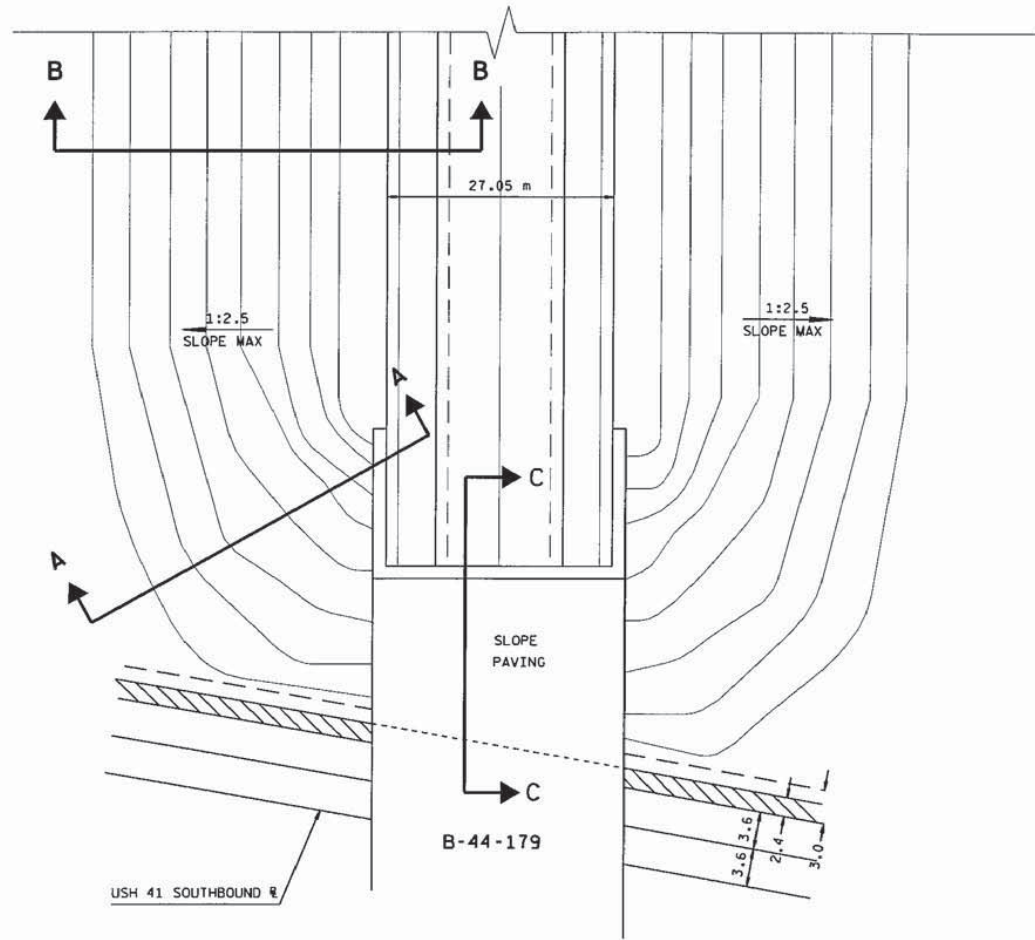
PLOT SCALE: 1:1

PLOT NAME: 220cd

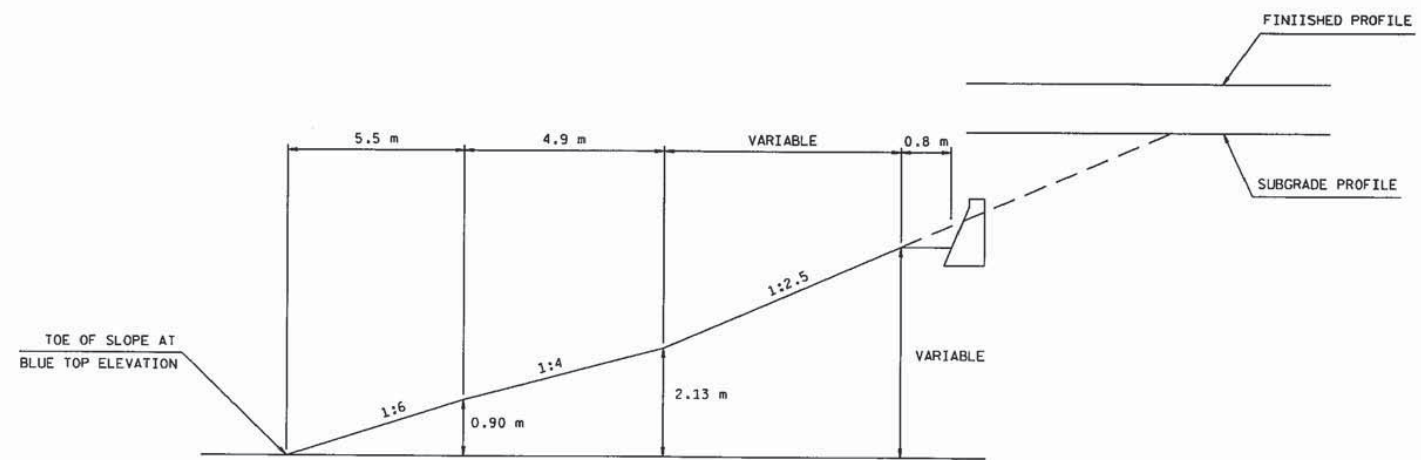
REV. DATE:

ORIGINATOR: DIST 3 ODC 1-11-99

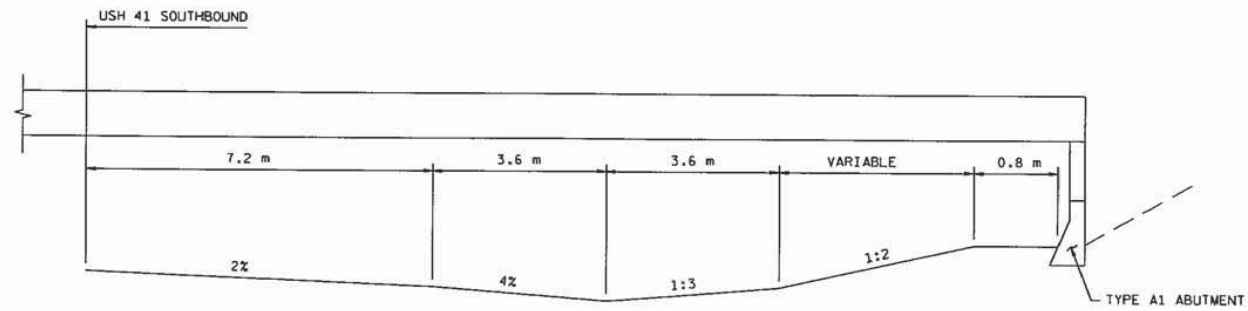
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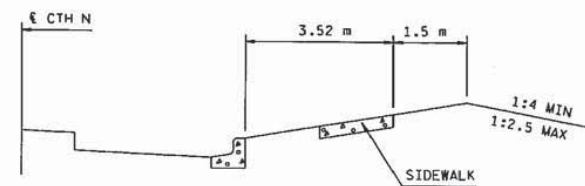
TYPICAL STRUCTURE CONE LAYOUT AT CTH N



SHOULDER TO ABUTMENT BERM AT CONE
SECTION A-A



1/2 TYPICAL SECTION UNDER
SECTION C-C



1/2 TYPICAL SECTION
SECTION B-B

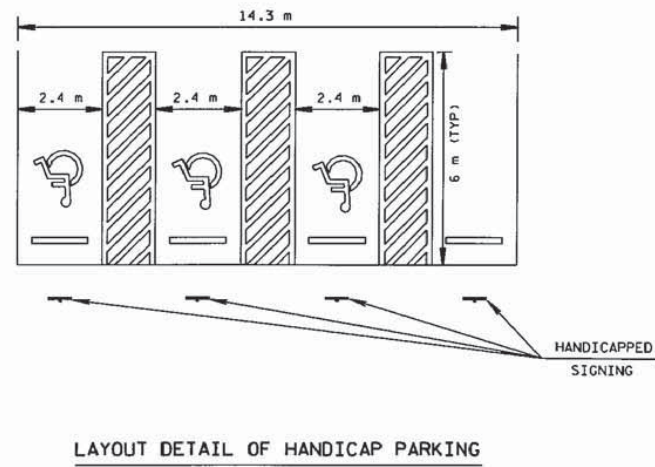
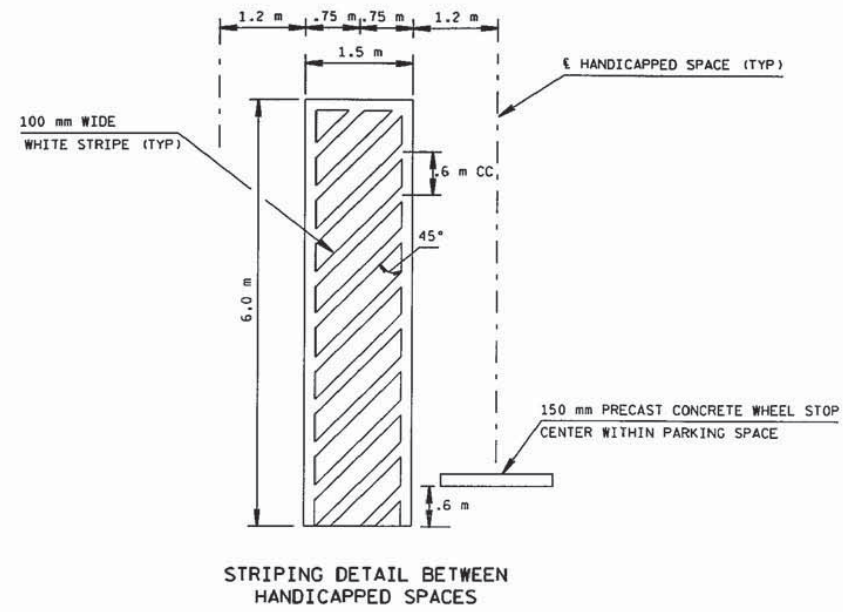
PLOT SCALE: 1

PLOT NAME: 200B

REV. DATE:

ORIGINATOR: KRUEGER 3-31-98

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

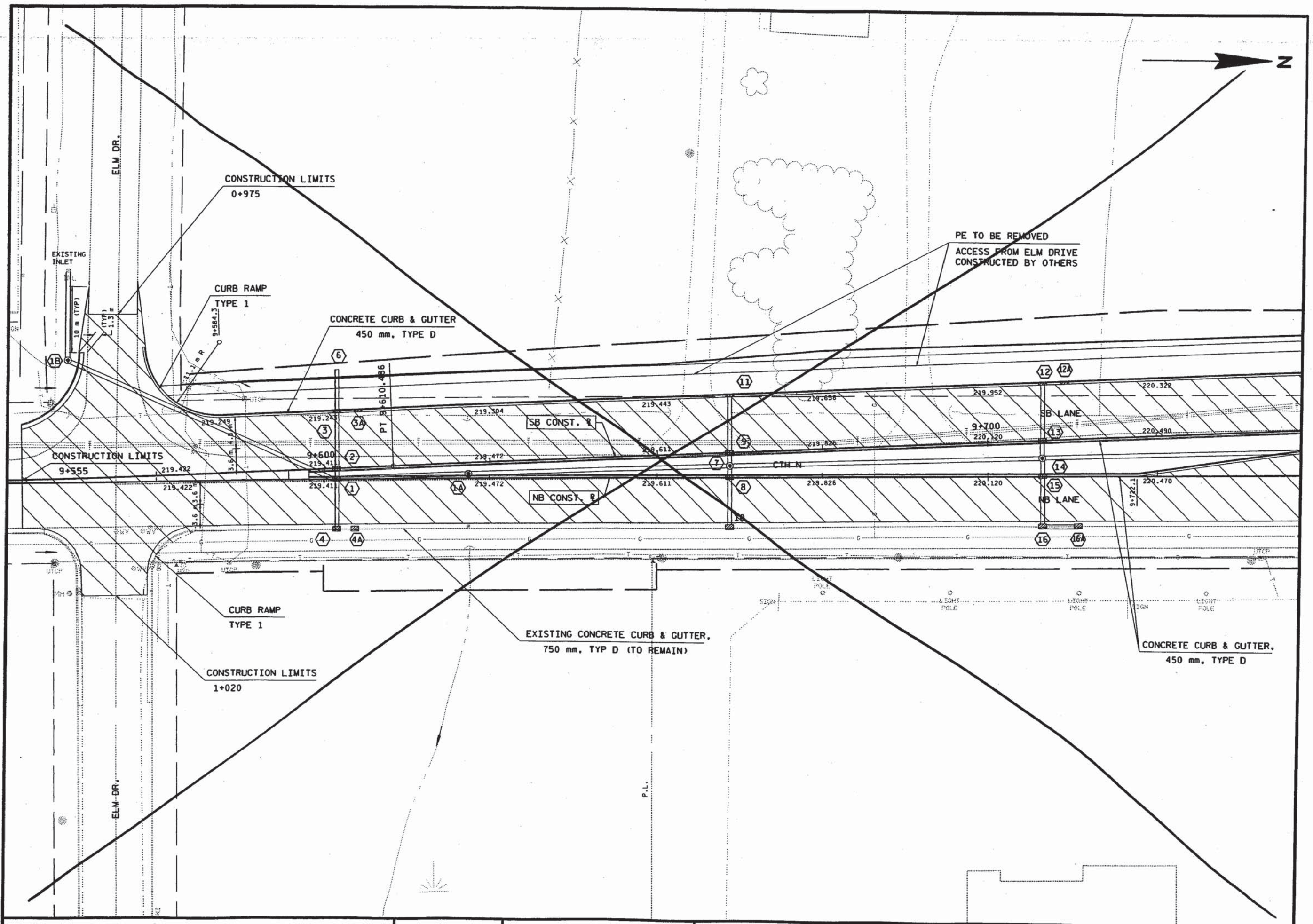


PLOT SCALE: 25

PLOT NAME: 202

REV. DATE: 2-16-99

ORIGINATOR: 3-14-97
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





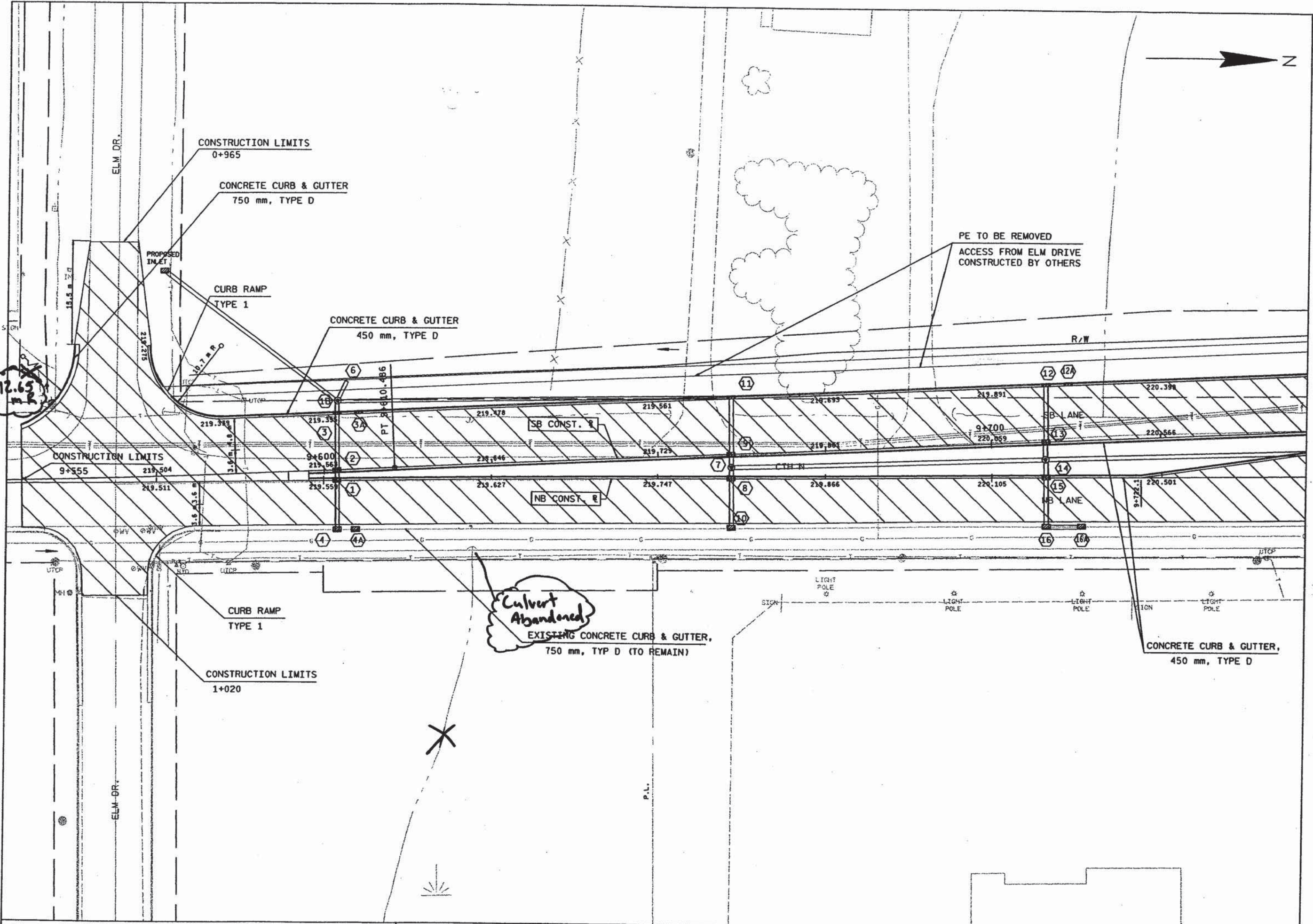
PLOT SCALE: 500

PLOT NAME: 202

REV. DATE: 5-7-02

ORIGINATOR: 3-14-97

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

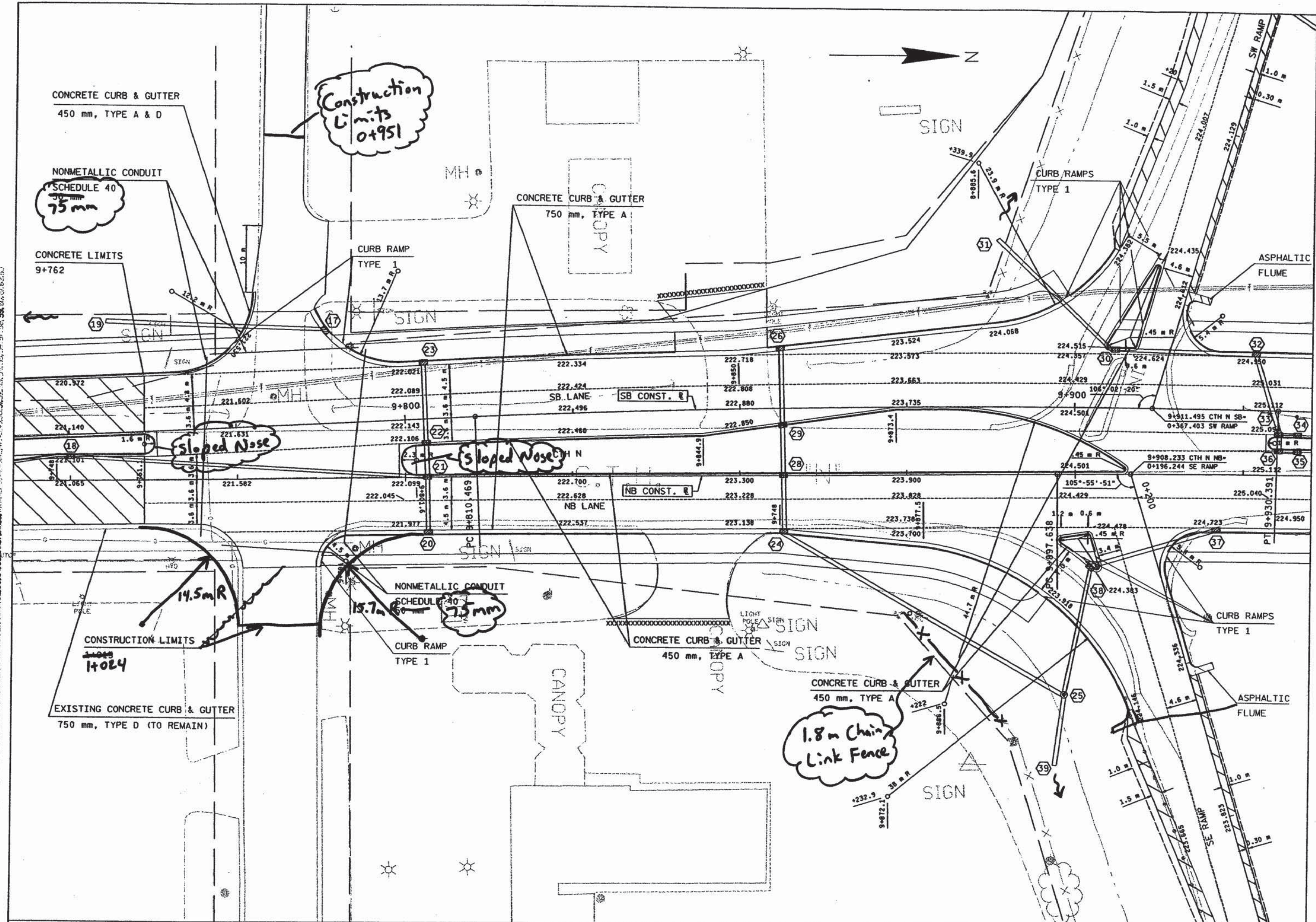


PLOT SCALE: 500

PLOT NAME: 203

REV. DATE: 5-7-02

ORIGINATOR: 3-14-97
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, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



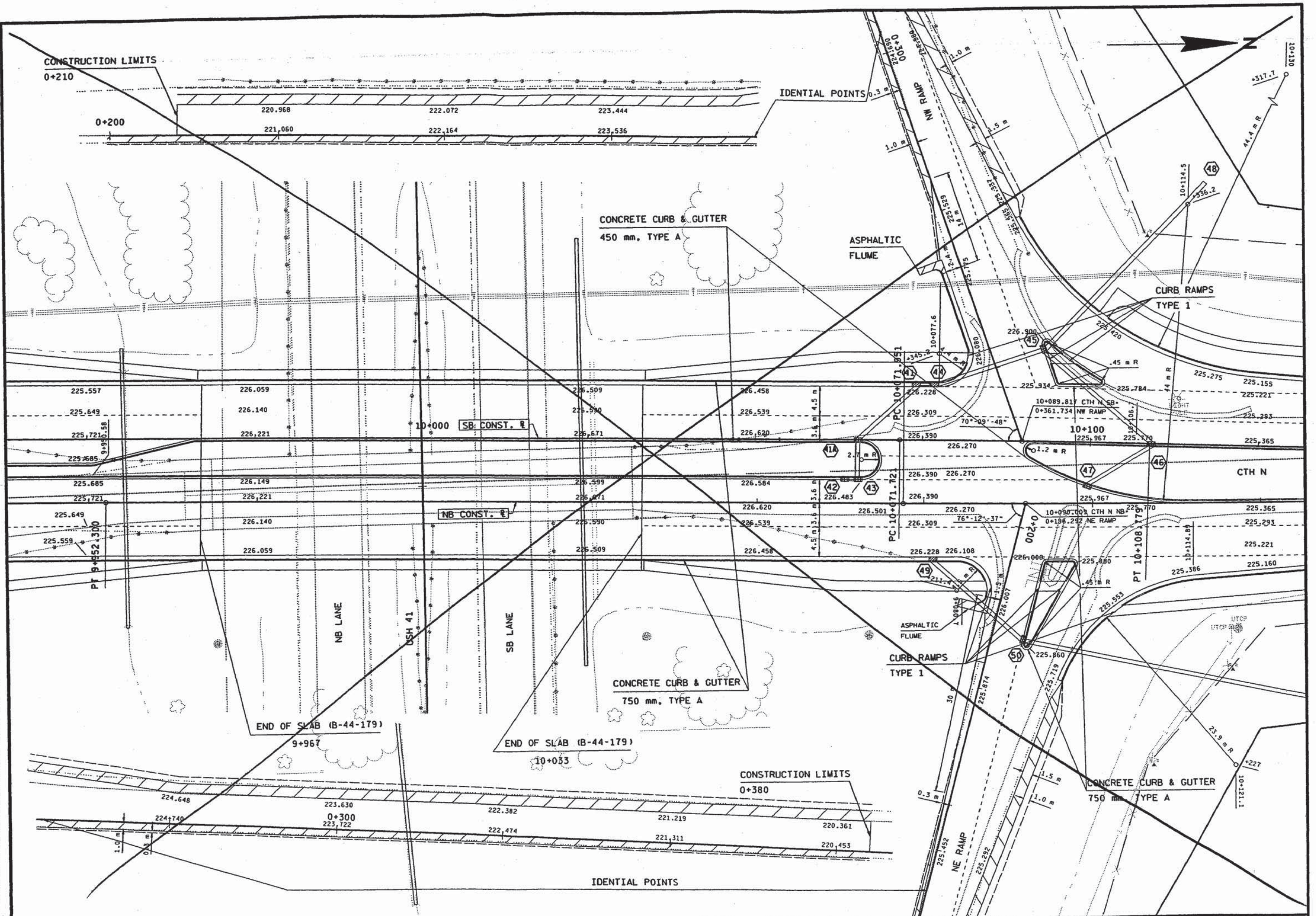
PLOT SCALE: 250

PLOT NAME: 204

REV. DATE: 2-16-99

ORIGINATOR: 3-14-97

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



CONSTRUCTION DETAILS

SCALE: 1: 250

HWY: USH 41

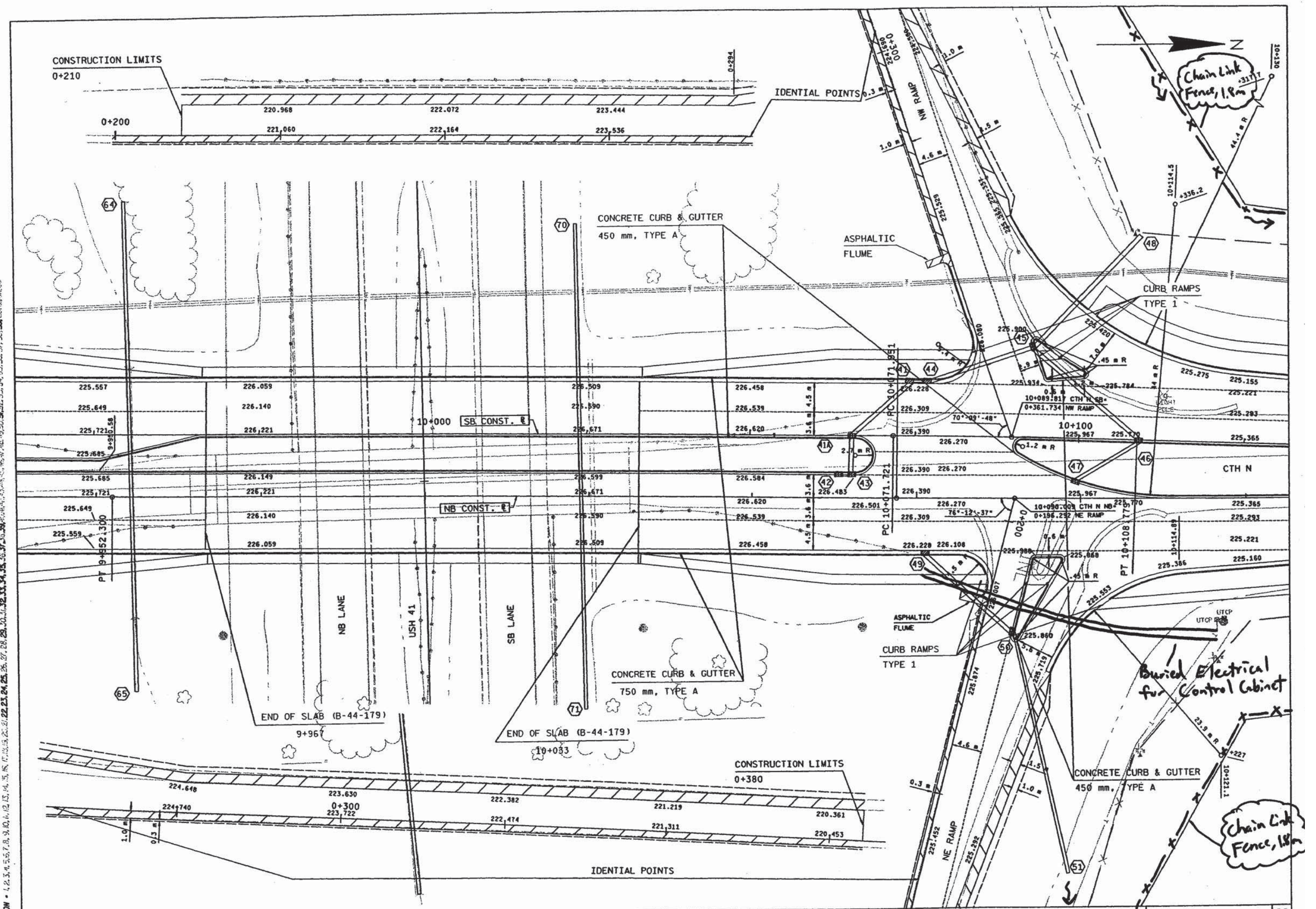
COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-5-71

SHEET NO: 2.18

M

FILE NAME: D3 113305:204.DGN



CONSTRUCTION DETAILS

SCALE: 1:500

HWY: CTH N / USH 41

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SHEET NO: 2.18	A	M
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WISDOT: MSHT20

PLOT SCALE: 500

PLOT NAME: 204

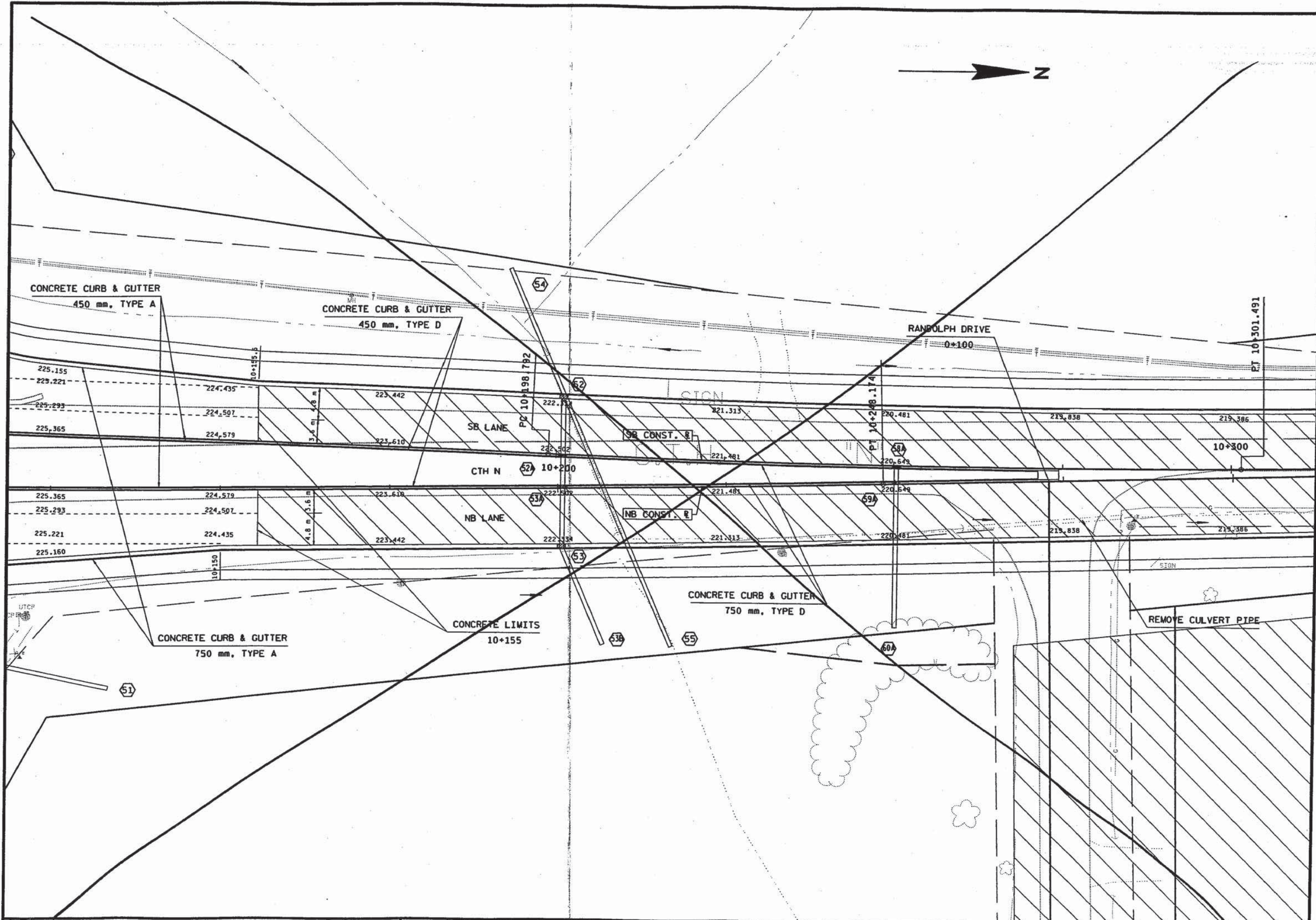
REV. DATE: 5-7-02

ORIGINATOR: 3-14-97

ORIGINALS ON 5 24 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

STAY

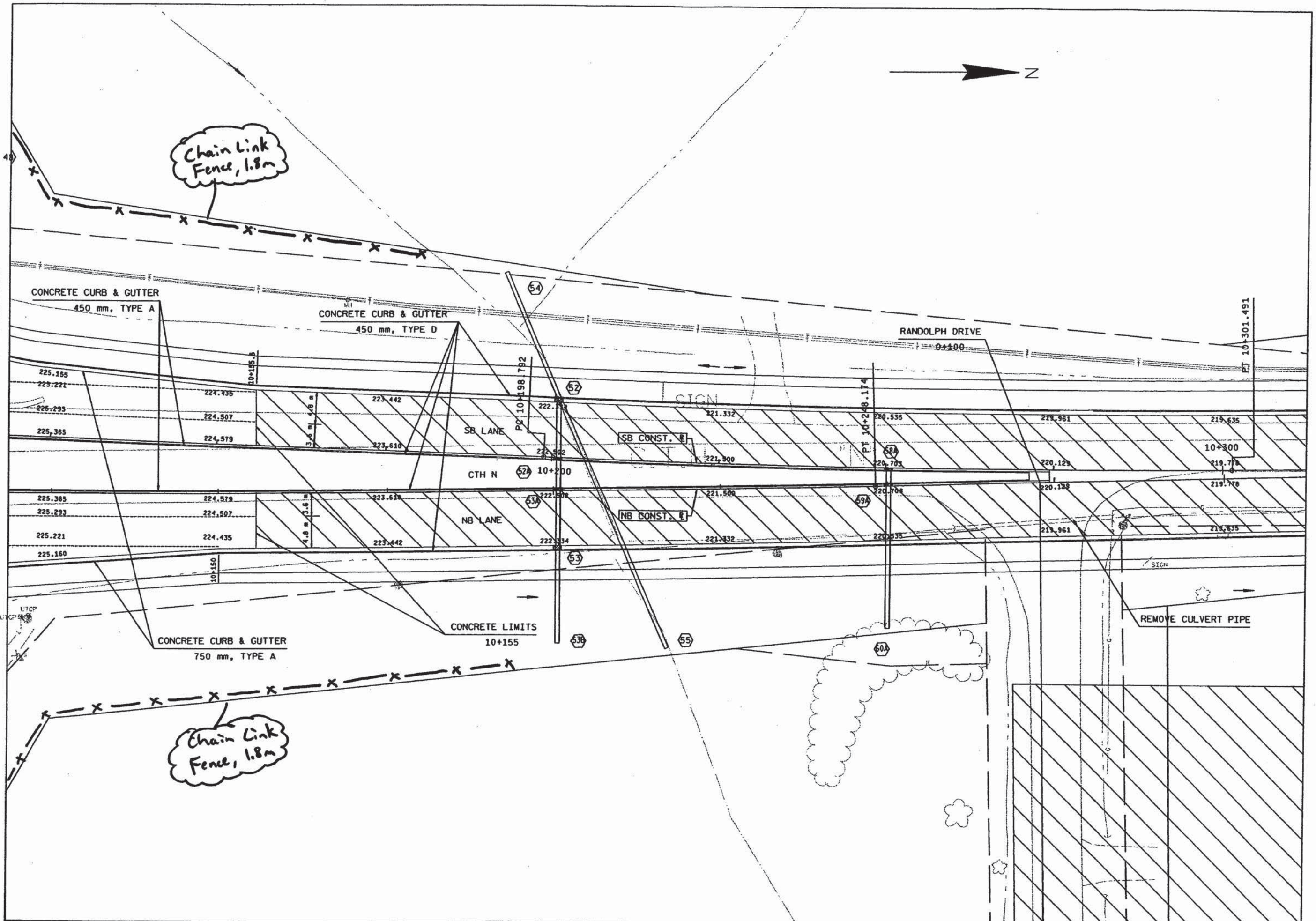
ORIGINATOR: 3-14-97
LEVELS ON: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63
REV. DATE: 1-26-99
PLOT NAME: 205
PLOT SCALE: 250

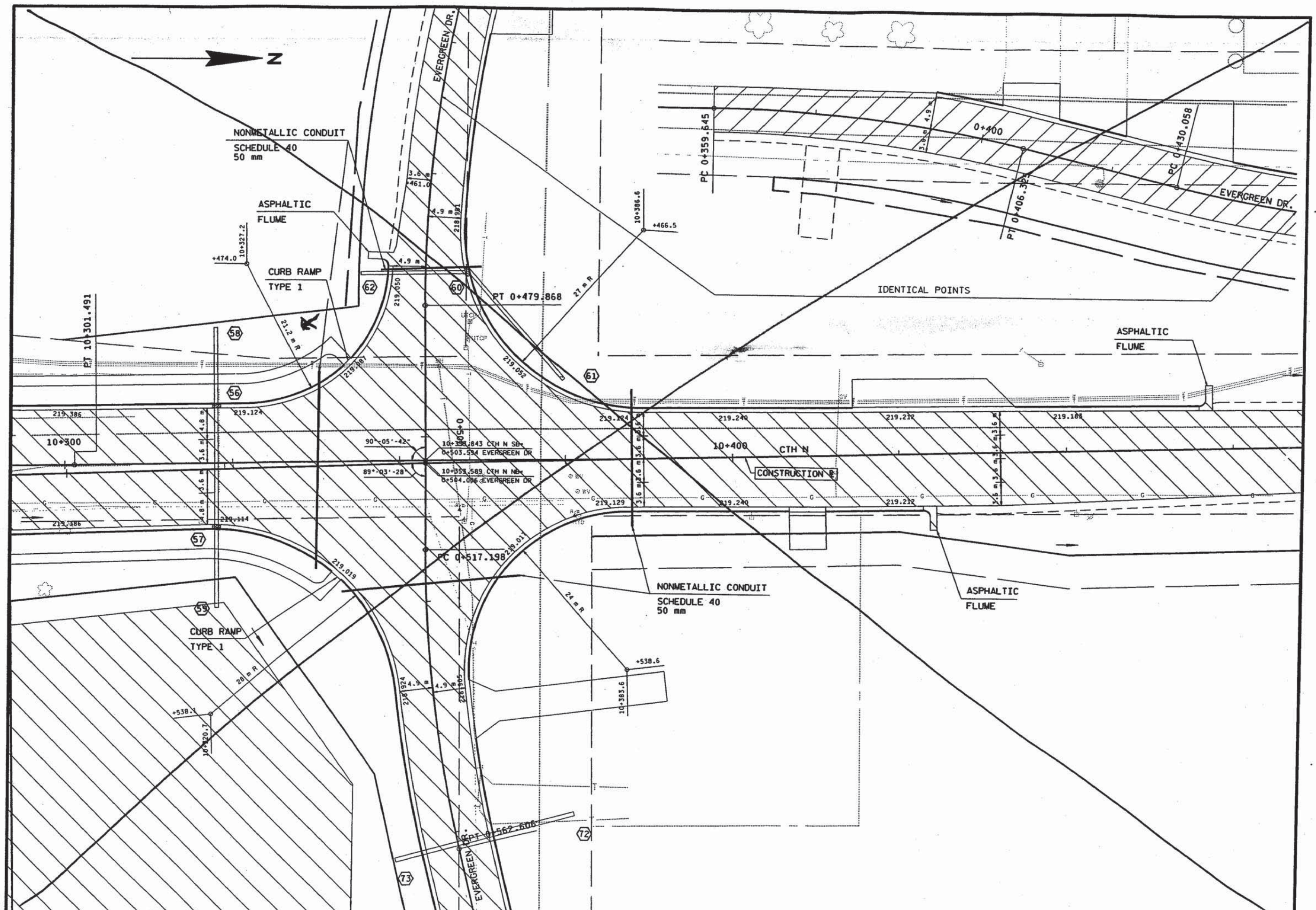


PLAN SCALE: 500'

REV. DATE: 5-1-04
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

ORIGINAL LINES 3-1-03





ORIGINATOR: 3-14-97

CONSTRUCTION DETAILS

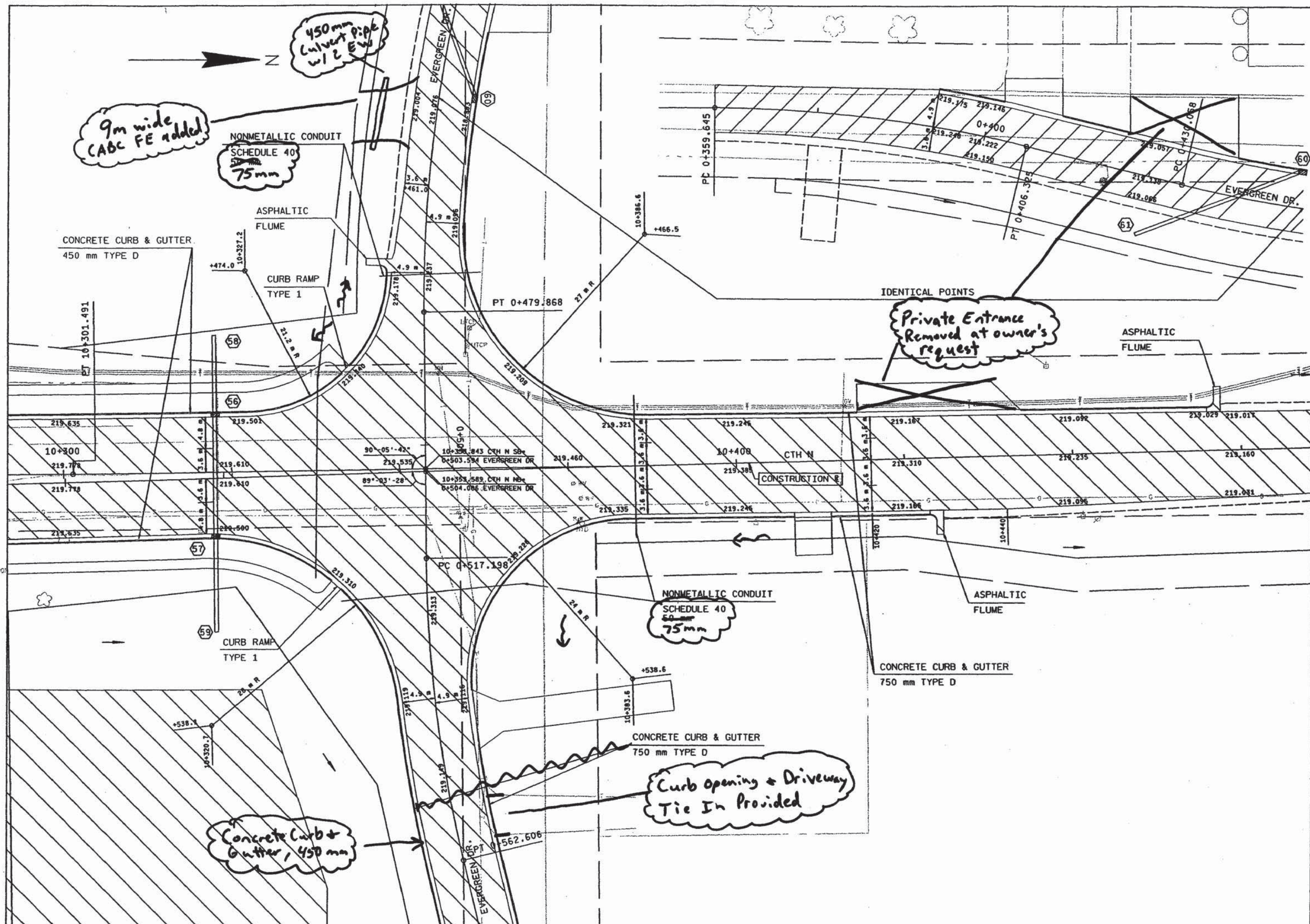
SCALE: 1:500	HWY: CTH N / USH 41
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COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SHEET NO: 2.20A	M
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WI#DOT: MSHT20



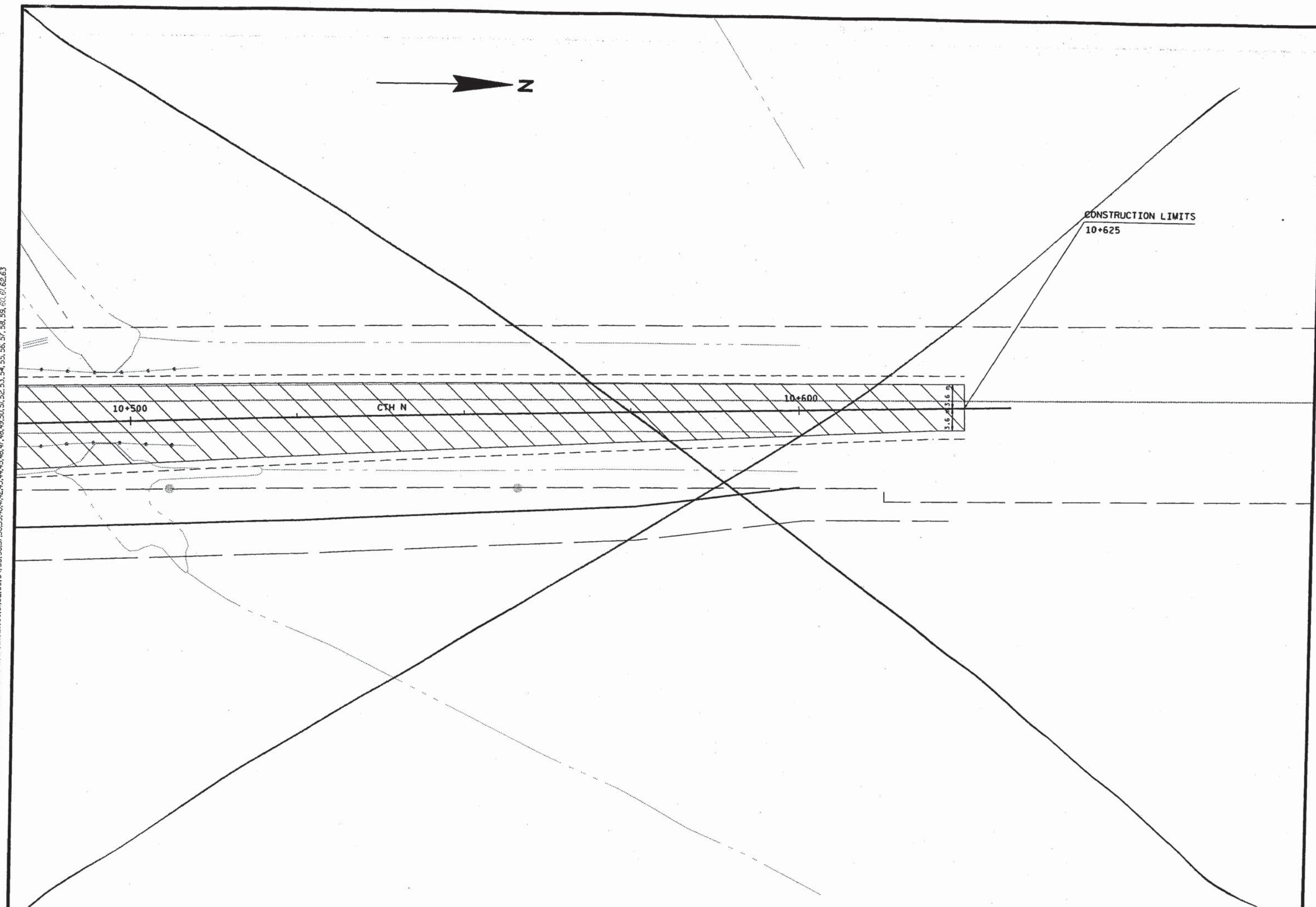
ORIGINATOR: KRUEGER 2-3-98

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

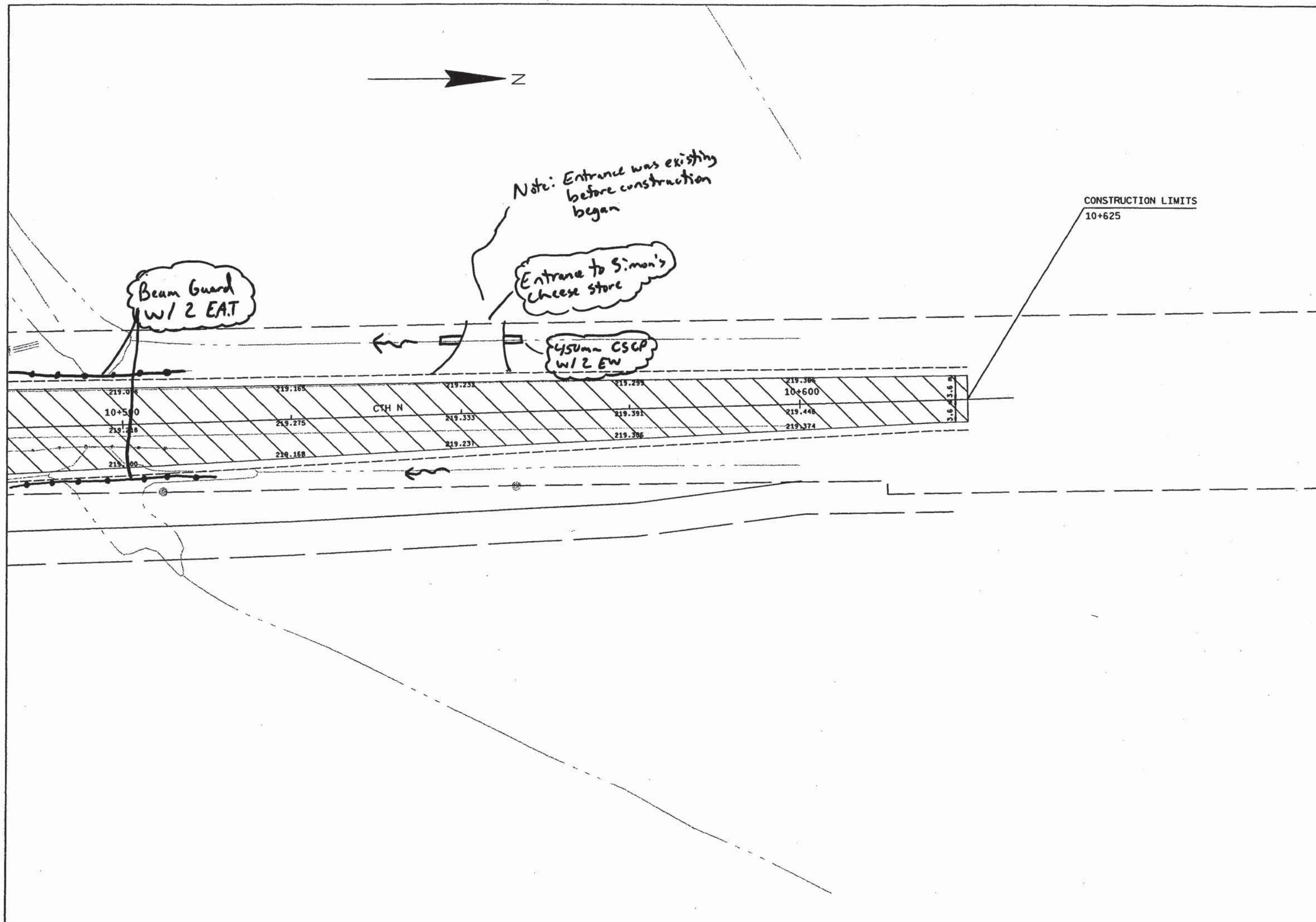
REV. DATE:

PLOT NAME: 208

PLOT SCALE: 1:25



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, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



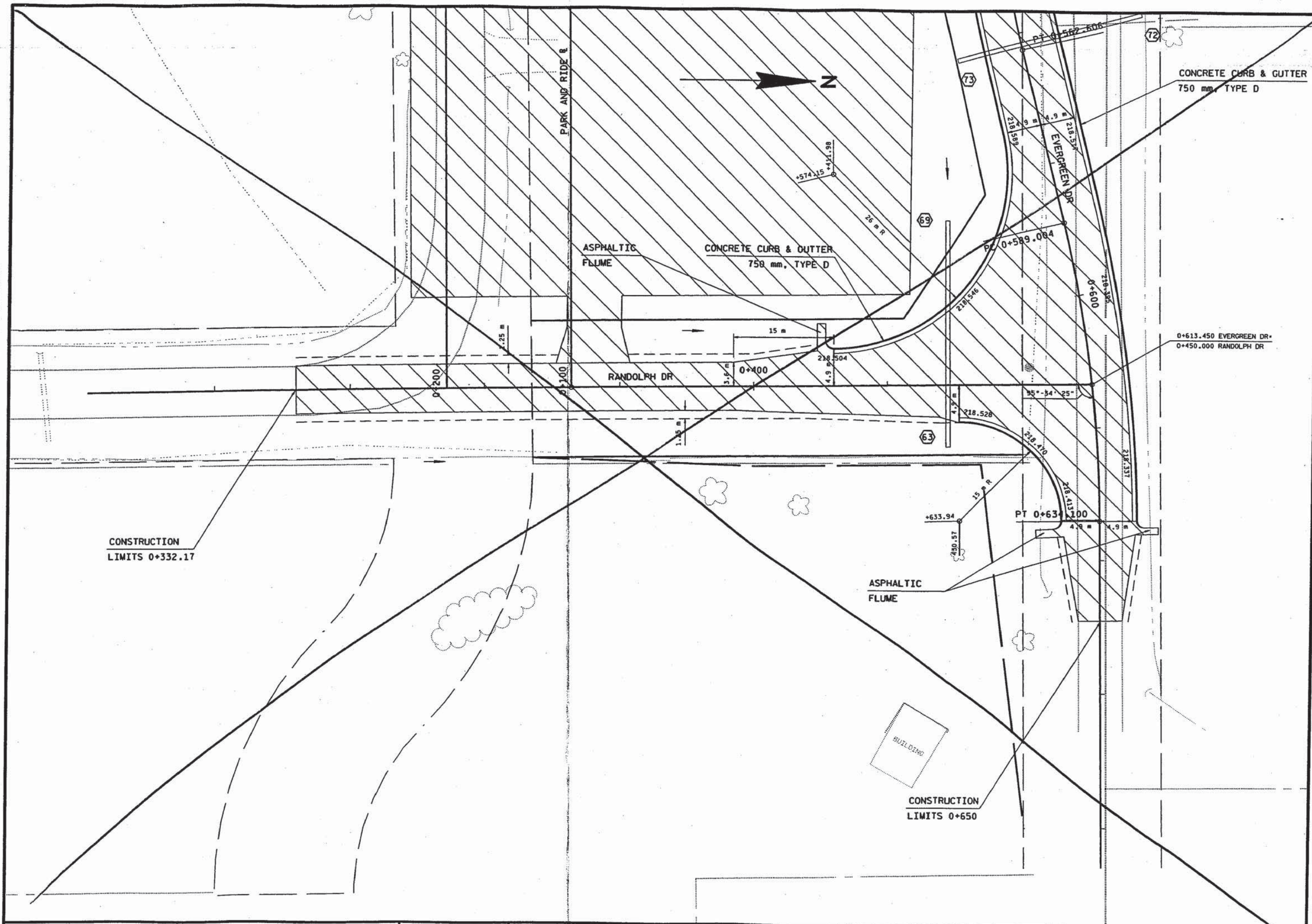
PLOT SCALE: 250

PLOT NAME: 207

REV. DATE: 1-27-99

ORIGINATOR: KRUEGER 1-20-98

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



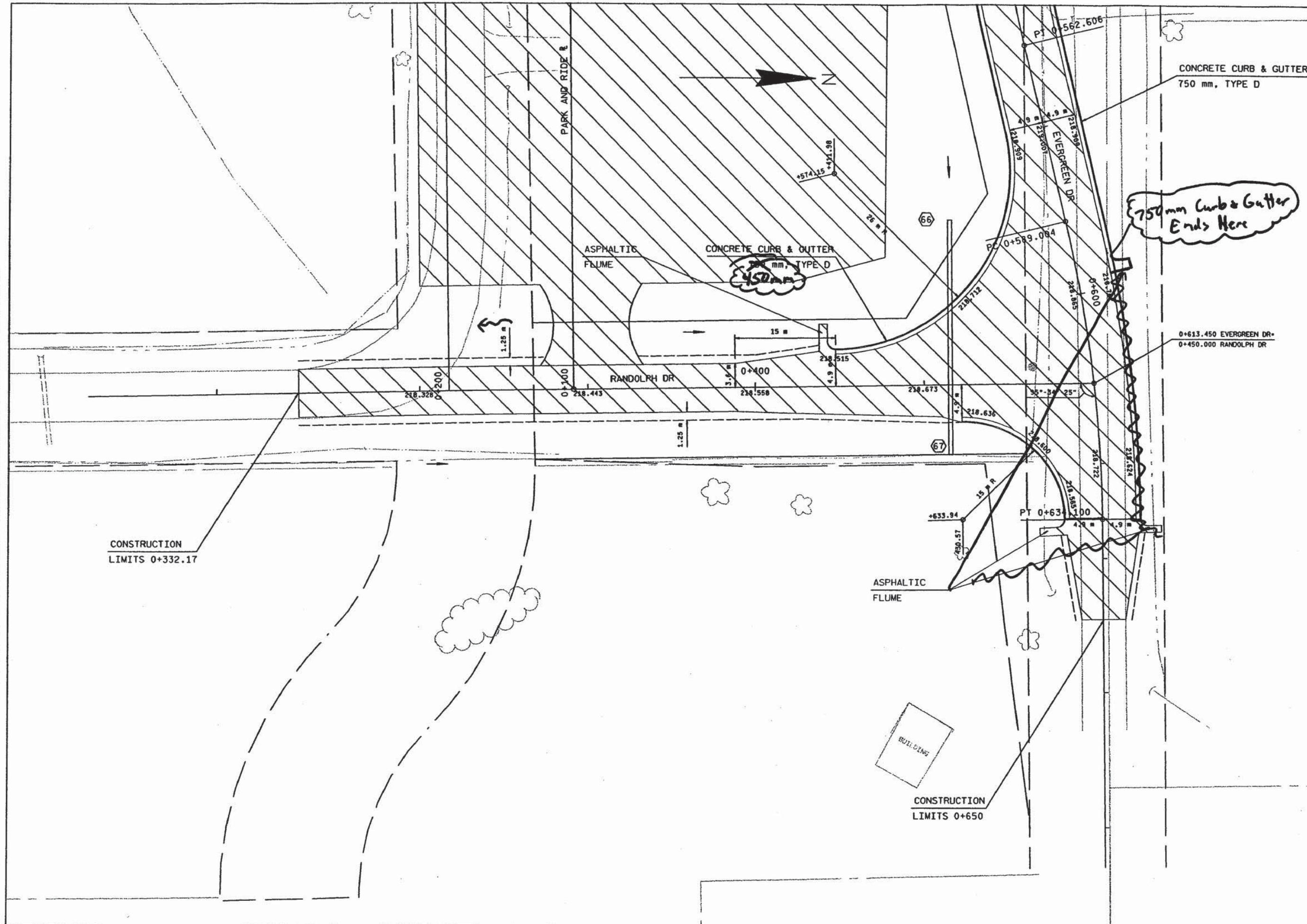
PLOT SCALE: 500

PLOT NAME: 207

REV. DATE: 5-7-02

ORIGINATOR: KRUEGER 1-20-98

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, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100



PLOT SCALE: .25

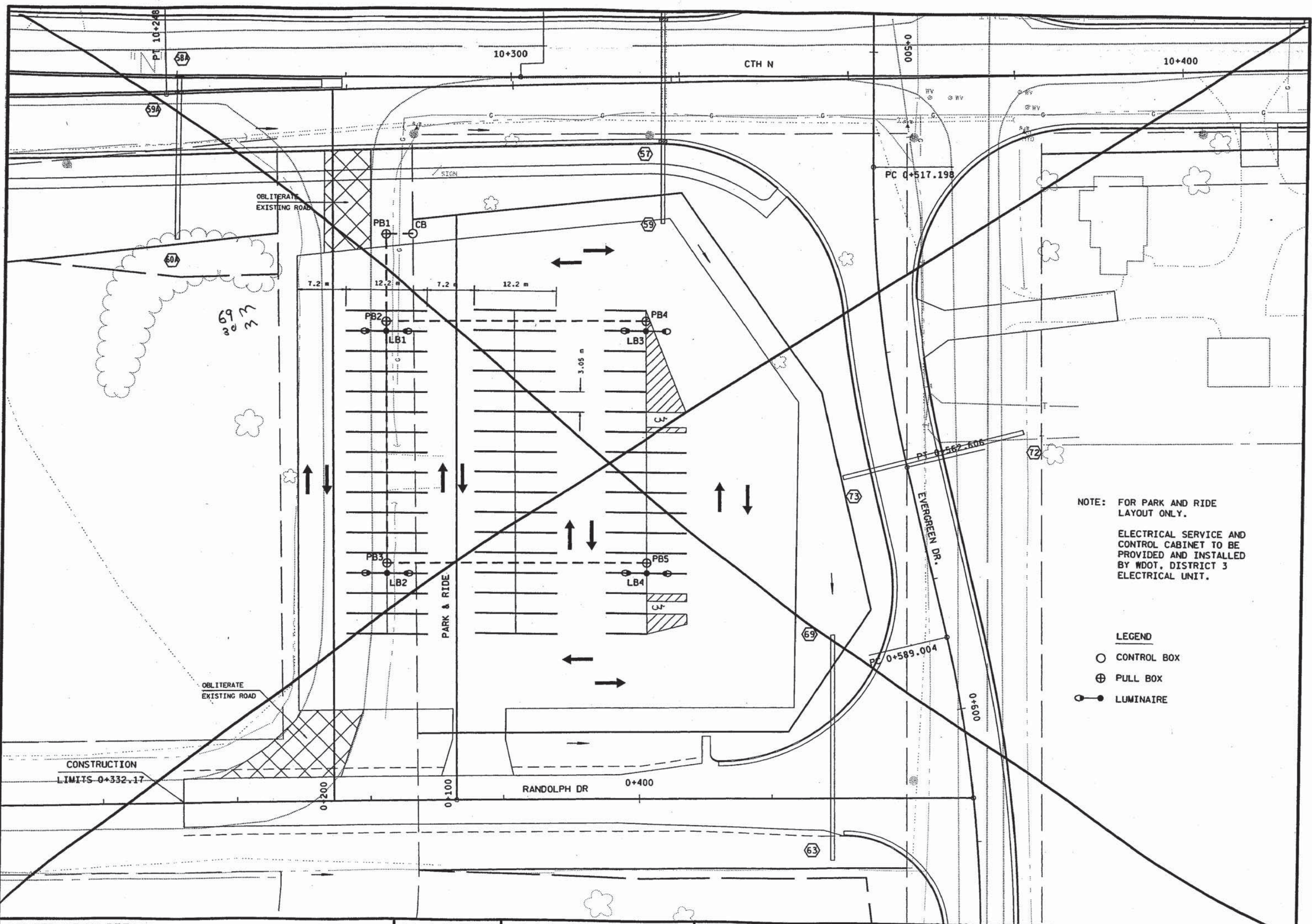
PLOT NAME: 211

REV. DATE: 1-19-99

ORIGINATOR: 1-29-98

LEVELS ON + 1.2, 3.4, 5.6, 7.8, 9.0, 11.2, 13.4, 15.6, 17.8, 20.0, 22.2, 24.4, 26.6, 28.8, 31.0, 33.2, 35.4, 37.6, 39.8, 42.0, 44.2, 46.4, 48.6, 50.8, 53.0, 55.2, 57.4, 59.6, 61.8, 64.0, 66.2, 68.4, 70.6, 72.8, 75.0, 77.2, 79.4, 81.6, 83.8, 86.0, 88.2, 90.4, 92.6, 94.8, 97.0, 99.2, 101.4, 103.6, 105.8, 108.0, 110.2, 112.4, 114.6, 116.8, 119.0, 121.2, 123.4, 125.6, 127.8, 130.0, 132.2, 134.4, 136.6, 138.8, 141.0, 143.2, 145.4, 147.6, 149.8, 152.0, 154.2, 156.4, 158.6, 160.8, 163.0, 165.2, 167.4, 169.6, 171.8, 174.0, 176.2, 178.4, 180.6, 182.8, 185.0, 187.2, 189.4, 191.6, 193.8, 196.0, 198.2, 200.4, 202.6, 204.8, 207.0, 209.2, 211.4, 213.6, 215.8, 218.0, 220.2, 222.4, 224.6, 226.8, 229.0, 231.2, 233.4, 235.6, 237.8, 240.0, 242.2, 244.4, 246.6, 248.8, 251.0, 253.2, 255.4, 257.6, 259.8, 262.0, 264.2, 266.4, 268.6, 270.8, 273.0, 275.2, 277.4, 279.6, 281.8, 284.0, 286.2, 288.4, 290.6, 292.8, 295.0, 297.2, 299.4, 301.6, 303.8, 306.0, 308.2, 310.4, 312.6, 314.8, 317.0, 319.2, 321.4, 323.6, 325.8, 328.0, 330.2, 332.4, 334.6, 336.8, 339.0, 341.2, 343.4, 345.6, 347.8, 350.0, 352.2, 354.4, 356.6, 358.8, 361.0, 363.2, 365.4, 367.6, 369.8, 372.0, 374.2, 376.4, 378.6, 380.8, 383.0, 385.2, 387.4, 389.6, 391.8, 394.0, 396.2, 398.4, 400.6, 402.8, 405.0, 407.2, 409.4, 411.6, 413.8, 416.0, 418.2, 420.4, 422.6, 424.8, 427.0, 429.2, 431.4, 433.6, 435.8, 438.0, 440.2, 442.4, 444.6, 446.8, 449.0, 451.2, 453.4, 455.6, 457.8, 460.0, 462.2, 464.4, 466.6, 468.8, 471.0, 473.2, 475.4, 477.6, 479.8, 482.0, 484.2, 486.4, 488.6, 490.8, 493.0, 495.2, 497.4, 499.6, 501.8, 504.0, 506.2, 508.4, 510.6, 512.8, 515.0, 517.2, 519.4, 521.6, 523.8, 526.0, 528.2, 530.4, 532.6, 534.8, 537.0, 539.2, 541.4, 543.6, 545.8, 548.0, 550.2, 552.4, 554.6, 556.8, 559.0, 561.2, 563.4, 565.6, 567.8, 570.0, 572.2, 574.4, 576.6, 578.8, 581.0, 583.2, 585.4, 587.6, 589.8, 592.0, 594.2, 596.4, 598.6, 600.8, 603.0, 605.2, 607.4, 609.6, 611.8, 614.0, 616.2, 618.4, 620.6, 622.8, 625.0, 627.2, 629.4, 631.6, 633.8, 636.0, 638.2, 640.4, 642.6, 644.8, 647.0, 649.2, 651.4, 653.6, 655.8, 658.0, 660.2, 662.4, 664.6, 666.8, 669.0, 671.2, 673.4, 675.6, 677.8, 680.0, 682.2, 684.4, 686.6, 688.8, 691.0, 693.2, 695.4, 697.6, 699.8, 702.0, 704.2, 706.4, 708.6, 710.8, 713.0, 715.2, 717.4, 719.6, 721.8, 724.0, 726.2, 728.4, 730.6, 732.8, 735.0, 737.2, 739.4, 741.6, 743.8, 746.0, 748.2, 750.4, 752.6, 754.8, 757.0, 759.2, 761.4, 763.6, 765.8, 768.0, 770.2, 772.4, 774.6, 776.8, 779.0, 781.2, 783.4, 785.6, 787.8, 790.0, 792.2, 794.4, 796.6, 798.8, 801.0, 803.2, 805.4, 807.6, 809.8, 812.0, 814.2, 816.4, 818.6, 820.8, 823.0, 825.2, 827.4, 829.6, 831.8, 834.0, 836.2, 838.4, 840.6, 842.8, 845.0, 847.2, 849.4, 851.6, 853.8, 856.0, 858.2, 860.4, 862.6, 864.8, 867.0, 869.2, 871.4, 873.6, 875.8, 878.0, 880.2, 882.4, 884.6, 886.8, 889.0, 891.2, 893.4, 895.6, 897.8, 900.0, 902.2, 904.4, 906.6, 908.8, 911.0, 913.2, 915.4, 917.6, 919.8, 922.0, 924.2, 926.4, 928.6, 930.8, 933.0, 935.2, 937.4, 939.6, 941.8, 944.0, 946.2, 948.4, 950.6, 952.8, 955.0, 957.2, 959.4, 961.6, 963.8, 966.0, 968.2, 970.4, 972.6, 974.8, 977.0, 979.2, 981.4, 983.6, 985.8, 988.0, 990.2, 992.4, 994.6, 996.8, 999.0, 1001.2, 1003.4, 1005.6, 1007.8, 1010.0, 1012.2, 1014.4, 1016.6, 1018.8, 1021.0, 1023.2, 1025.4, 1027.6, 1029.8, 1032.0, 1034.2, 1036.4, 1038.6, 1040.8, 1043.0, 1045.2, 1047.4, 1049.6, 1051.8, 1054.0, 1056.2, 1058.4, 1060.6, 1062.8, 1065.0, 1067.2, 1069.4, 1071.6, 1073.8, 1076.0, 1078.2, 1080.4, 1082.6, 1084.8, 1087.0, 1089.2, 1091.4, 1093.6, 1095.8, 1098.0, 1100.2, 1102.4, 1104.6, 1106.8, 1109.0, 1111.2, 1113.4, 1115.6, 1117.8, 1120.0, 1122.2, 1124.4, 1126.6, 1128.8, 1131.0, 1133.2, 1135.4, 1137.6, 1139.8, 1142.0, 1144.2, 1146.4, 1148.6, 1150.8, 1153.0, 1155.2, 1157.4, 1159.6, 1161.8, 1164.0, 1166.2, 1168.4, 1170.6, 1172.8, 1175.0, 1177.2, 1179.4, 1181.6, 1183.8, 1186.0, 1188.2, 1190.4, 1192.6, 1194.8, 1197.0, 1199.2, 1201.4, 1203.6, 1205.8, 1208.0, 1210.2, 1212.4, 1214.6, 1216.8, 1219.0, 1221.2, 1223.4, 1225.6, 1227.8, 1230.0, 1232.2, 1234.4, 1236.6, 1238.8, 1241.0, 1243.2, 1245.4, 1247.6, 1249.8, 1252.0, 1254.2, 1256.4, 1258.6, 1260.8, 1263.0, 1265.2, 1267.4, 1269.6, 1271.8, 1274.0, 1276.2, 1278.4, 1280.6, 1282.8, 1285.0, 1287.2, 1289.4, 1291.6, 1293.8, 1296.0, 1298.2, 1300.4, 1302.6, 1304.8, 1307.0, 1309.2, 1311.4, 1313.6, 1315.8, 1318.0, 1320.2, 1322.4, 1324.6, 1326.8, 1329.0, 1331.2, 1333.4, 1335.6, 1337.8, 1340.0, 1342.2, 1344.4, 1346.6, 1348.8, 1351.0, 1353.2, 1355.4, 1357.6, 1359.8, 1362.0, 1364.2, 1366.4, 1368.6, 1370.8, 1373.0, 1375.2, 1377.4, 1379.6, 1381.8, 1384.0, 1386.2, 1388.4, 1390.6, 1392.8, 1395.0, 1397.2, 1399.4, 1401.6, 1403.8, 1406.0, 1408.2, 1410.4, 1412.6, 1414.8, 1417.0, 1419.2, 1421.4, 1423.6, 1425.8, 1428.0, 1430.2, 1432.4, 1434.6, 1436.8, 1439.0, 1441.2, 1443.4, 1445.6, 1447.8, 1450.0, 1452.2, 1454.4, 1456.6, 1458.8, 1461.0, 1463.2, 1465.4, 1467.6, 1469.8, 1472.0, 1474.2, 1476.4, 1478.6, 1480.8, 1483.0, 1485.2, 1487.4, 1489.6, 1491.8, 1494.0, 1496.2, 1498.4, 1500.6, 1502.8, 1505.0, 1507.2, 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1784.4, 1786.6, 1788.8, 1791.0, 1793.2, 1795.4, 1797.6, 1799.8, 1802.0, 1804.2, 1806.4, 1808.6, 1810.8, 1813.0, 1815.2, 1817.4, 1819.6, 1821.8, 1824.0, 1826.2, 1828.4, 1830.6, 1832.8, 1835.0, 1837.2, 1839.4, 1841.6, 1843.8, 1846.0, 1848.2, 1850.4, 1852.6, 1854.8, 1857.0, 1859.2, 1861.4, 1863.6, 1865.8, 1868.0, 1870.2, 1872.4, 1874.6, 1876.8, 1879.0, 1881.2, 1883.4, 1885.6, 1887.8, 1890.0, 1892.2, 1894.4, 1896.6, 1898.8, 1901.0, 1903.2, 1905.4, 1907.6, 1909.8, 1912.0, 1914.2, 1916.4, 1918.6, 1920.8, 1923.0, 1925.2, 1927.4, 1929.6, 1931.8, 1934.0, 1936.2, 1938.4, 1940.6, 1942.8, 1945.0, 1947.2, 1949.4, 1951.6, 1953.8, 1956.0, 1958.2, 1960.4, 1962.6, 1964.8, 1967.0, 1969.2, 1971.4, 1973.6, 1975.8, 1978.0, 1980.2, 1982.4, 1984.6, 1986.8, 1989.0, 1991.2, 1993.4, 1995.6, 1997.8, 2000.0, 2002.2, 2004.4, 2006.6, 2008.8, 2011.0, 2013.2, 2015.4, 2017.6, 2019.8, 2022.0, 2024.2, 2026.4, 2028.6, 2030.8, 2033.0, 2035.2, 2037.4, 2039.6, 2041.8, 2044.0, 2046.2, 2048.4, 2050.6, 2052.8, 2055.0, 2057.2, 2059.4, 2061.6, 2063.8, 2066.0, 2068.2, 2070.4, 2072.6, 2074.8, 2077.0, 2079.2, 2081.4, 2083.6, 2085.8, 2088.0, 2090.2, 2092.4, 2094.6, 2096.8, 2099.0, 2101.2, 2103.4, 2105.6, 2107.8, 2110.0, 2112.2, 2114.4, 2116.6, 2118.8, 2121.0, 2123.2, 2125.4, 2127.6, 2129.8, 2132.0, 2134.2, 2136.4, 2138.6, 2140.8, 2143.0, 2145.2, 2147.4, 2149.6, 2151.8, 2154.0, 2156.2, 2158.4, 2160.6, 2162.8, 2165.0, 2167.2, 2169.4, 2171.6, 2173.8, 2176.0, 2178.2, 2180.4, 2182.6, 2184.8, 2187.0, 2189.2, 2191.4, 2193.6, 2195.8, 2198.0, 2200.2, 2202.4, 2204.6, 2206.8, 2209.0, 2211.2, 2213.4, 2215.6, 2217.8, 2220.0, 2222.2, 2224.4, 2226.6, 2228.8, 2231.0, 2233.2, 2235.4, 2237.6, 2239.8, 2242.0, 2244.2, 2246.4, 2248.6, 2250.8, 2253.0, 2255.2, 2257.4, 2259.6, 2261.8, 2264.0, 2266.2, 2268.4, 2270.6, 2272.8, 2275.0, 2277.2, 2279.4, 2281.6, 2283.8, 2286.0, 2288.2, 2290.4, 2292.6, 2294.8, 2297.0, 2299.2, 2301.4, 2303.6, 2305.8, 2308.0, 2310.2, 2312.4, 2314.6, 2316.8, 2319.0, 2321.2, 2323.4, 2325.6, 2327.8, 2330.0, 2332.2, 2334.4, 2336.6, 2338.8, 2341.0, 2343.2, 2345.4, 2347.6, 2349.8, 2352.0, 2354.2, 2356.4, 2358.6, 2360.8, 2363.0, 2365.2, 2367.4, 2369.6, 2371.8, 2374.0, 2376.2, 2378.4, 2380.6, 2382.8, 2385.0, 2387.2, 2389.4, 2391.6, 2393.8, 2396.0, 2398.2, 2400.4, 2402.6, 2404.8, 2407.0, 2409.2, 2411.4, 2413.6, 2415.8, 2418.0, 2420.2, 2422.4, 2424.6, 2426.8, 2429.0, 2431.2, 2433.4, 2435.6, 2437.8, 2440.0, 2442.2, 2444.4, 2446.6, 2448.8, 2451.0, 2453.2, 2455.4, 2457.6, 2459.8, 2462.0, 2464.2, 2466.4, 2468.6, 2470.8, 2473.0, 2475.2, 2477.4, 2479.6, 2481.8, 2484.0, 2486.2, 2488.4, 2490.6, 2492.8, 2495.0, 2497.2, 2499.4, 2501.6, 2503.8, 2506.0, 2508.2, 2510.4, 2512.6, 2514.8, 2517.0, 2519.2, 2521.4, 2523.6, 2525.8, 2528.0, 2530.2, 2532.4, 2534.6, 2536.8, 2539.0, 2541.2, 2543.4, 2545.6, 2547.8, 2550.0, 2552.2, 2554.4, 2556.6, 2558.8, 2561.0, 2563.2, 2565.4, 2567.6, 2569.8, 2572.0, 2574.2, 2576.4, 2578.6, 2580.8, 2583.0, 2585.2, 2587.4, 2589.6, 2591.8, 2594.0, 2596.2, 2598.4, 2600.6, 2602.8, 2605.0, 2607.2, 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2884.4, 2886.6, 2888.8, 2891.0, 2893.2, 2895.4, 2897.6, 2899.8, 2902.0, 2904.2, 2906.4, 2908.6, 2910.8, 2913.0, 2915.2, 2917.4, 2919.6, 2921.8, 2924.0, 2926.2, 2928.4, 2930.6, 2932.8, 2935.0, 2937.2, 2939.4, 2941.6, 2943.8, 2946.0, 2948.2, 2950.4, 2952.6, 2954.8, 2957.0, 2959.2, 2961.4, 2963.6, 2965.8, 2968.0, 2970.2, 2972.4, 2974.6, 2976.8, 2979.0, 2981.2, 2983.4, 2985.6, 2987.8, 2990.0, 2992.2, 2994.4, 2996.6, 2998.8, 3001.0, 3003.2, 3005.4, 3007.6, 3009.8, 3012.0, 3014.2, 3016.4, 3018.6, 3020.8, 3023.0, 3025.2, 3027.4, 3029.6, 3031.8, 3034.0, 3036.2, 3038.4, 3040.6, 3042.8, 3045.0, 3047.2, 3049.4, 3051.6, 3053.8, 3056.0, 3058.2, 3060.4, 3062.6, 3064.8, 3067.0, 3069.2, 3071.4, 3073.6, 3075.8, 3078.0, 3080.2, 3082.4, 3084.6, 3086.8, 3089.0, 3091.2, 3093.4, 3095.6, 3097.8, 3100.0, 3102.2, 3104.4, 3106.6, 3108.8, 3111.0, 3113.2, 3115.4, 3117.6, 3119.8, 3122.0, 3124.2, 3126.4, 3128.6, 3130.8, 3133.0, 3135.2, 3137.4, 3139.6, 3141.8, 3144.0, 3146.2, 3148.4, 3150.6, 3152.8, 3155.0, 3157.2, 3159.4, 3161.6, 3163.8, 3166.0, 3168.2, 3170.4, 3172.6, 3174.8, 3177.0, 3179.2, 3181.4, 3183.6, 3185.8, 3188.0, 3190.2, 3192.4, 3194.6, 3196.8, 3199.0, 3201.2, 3203.4, 3205.6, 3207.8, 3210.0, 3212.2, 3214.4, 3216.6, 3218.8, 3221.0, 3223.2, 3225.4, 3227.6, 3229.8, 3232.0, 3234.2, 3236.4, 3238.6, 3240.8, 3243.0, 3245.2, 3247.4, 3249.6, 3251.8, 3254.0, 3256.2, 3258.4, 3260.6, 3262.8, 3265.0, 3267.2, 3269.4, 3271.6, 3273.8, 3276.0, 3278.2, 3280.4, 3282.6, 3284.8, 3287.0, 3289.2, 3291.4, 3293.6, 3295.8, 3298.0, 3300.2, 3302.4, 3304.6, 3306.8, 3309.0, 3311.2, 3313.4, 3315.6, 3317.8, 3320.0, 3322.2, 3324.4, 3326.6, 3328.8, 3331.0, 3333.2, 3335.4, 3337.6, 3339.8, 3342.0, 3344.2, 3346.4, 3348.6, 3350.8, 3353.0, 3355.2, 3357.4, 3359.6, 3361.8, 3364.0, 3366.2, 3368.4, 3370.6, 3372.8, 3375.0, 3377.2, 3379.4, 3381.6, 3383.8, 3386.0, 3388.2, 3390.4, 3392.6, 3394.8, 3397.0, 3399.2, 3401.4, 3403.6, 3405.8, 3408.0, 3410.2, 3412.4, 3414.6, 3416.8, 3419.0, 3421.2, 3423.4, 3425.6, 3427.8, 3430.0, 3432.2, 3434.4, 3436.6, 3438.8, 3441.0, 3443.2, 3445.4, 3447.6, 3449.8, 3452.0, 3454.2, 3456.4, 3458.6, 3460.8, 3463.0, 3465.2, 3467.4, 3469.6, 3471.8, 3474.0, 3476.2, 3478.4, 3480.6, 3482.8, 3485.0, 3487.2, 3489.4, 34

ORIGINATOR: DIST 3 1-28-99
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
REV. DATE: PLOT NAME: 221
PLOT SCALE: 250



NOTE: FOR PARK AND RIDE LAYOUT ONLY.

ELECTRICAL SERVICE AND CONTROL CABINET TO BE PROVIDED AND INSTALLED BY WDOT, DISTRICT 3 ELECTRICAL UNIT.

- LEGEND
- CONTROL BOX
 - ⊕ PULL BOX
 - LUMINAIRE

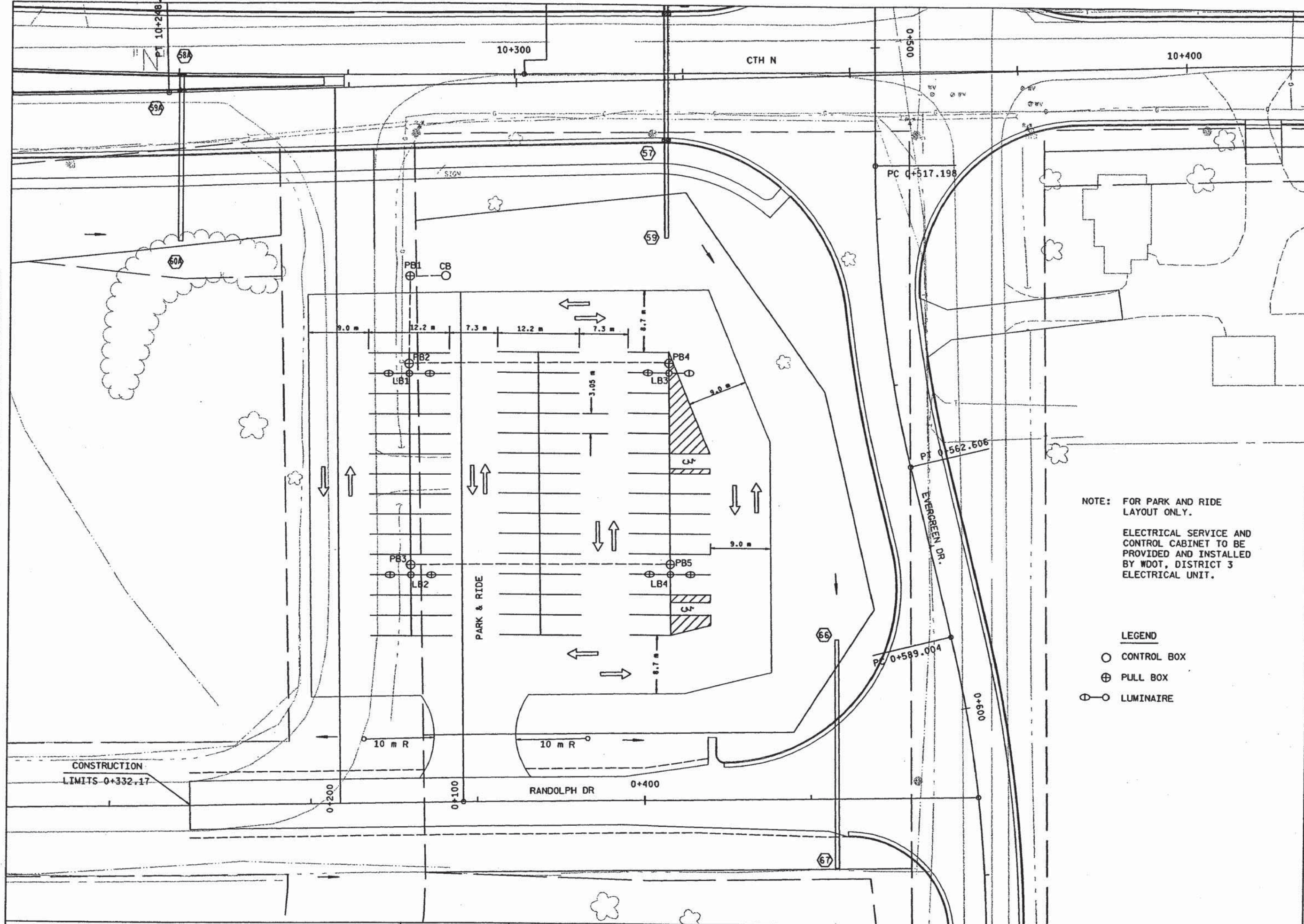
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PLOT NAME: 221

REV. DATE: 5-7-02

ORIGINATOR: DIST 3 1-28-99

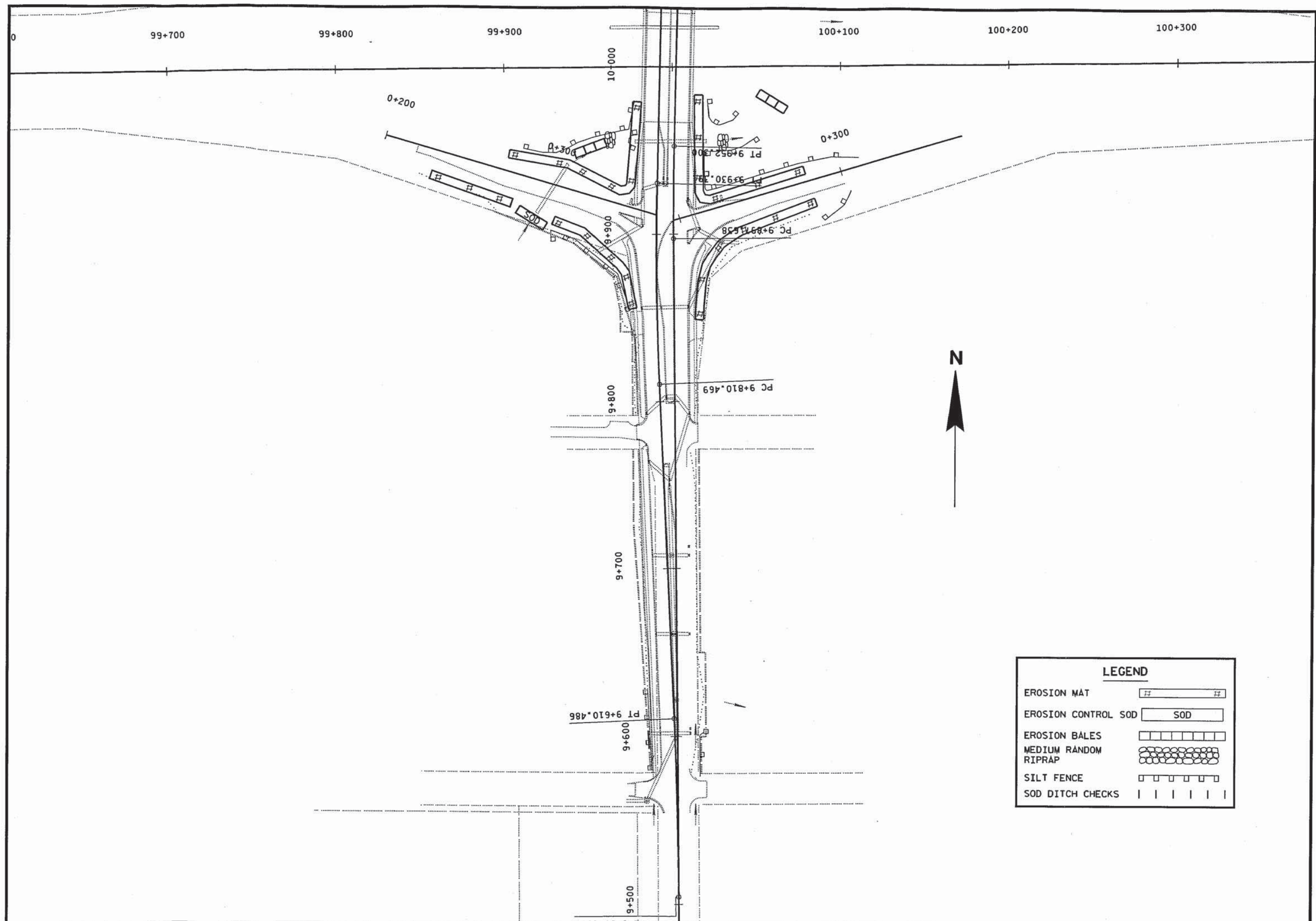
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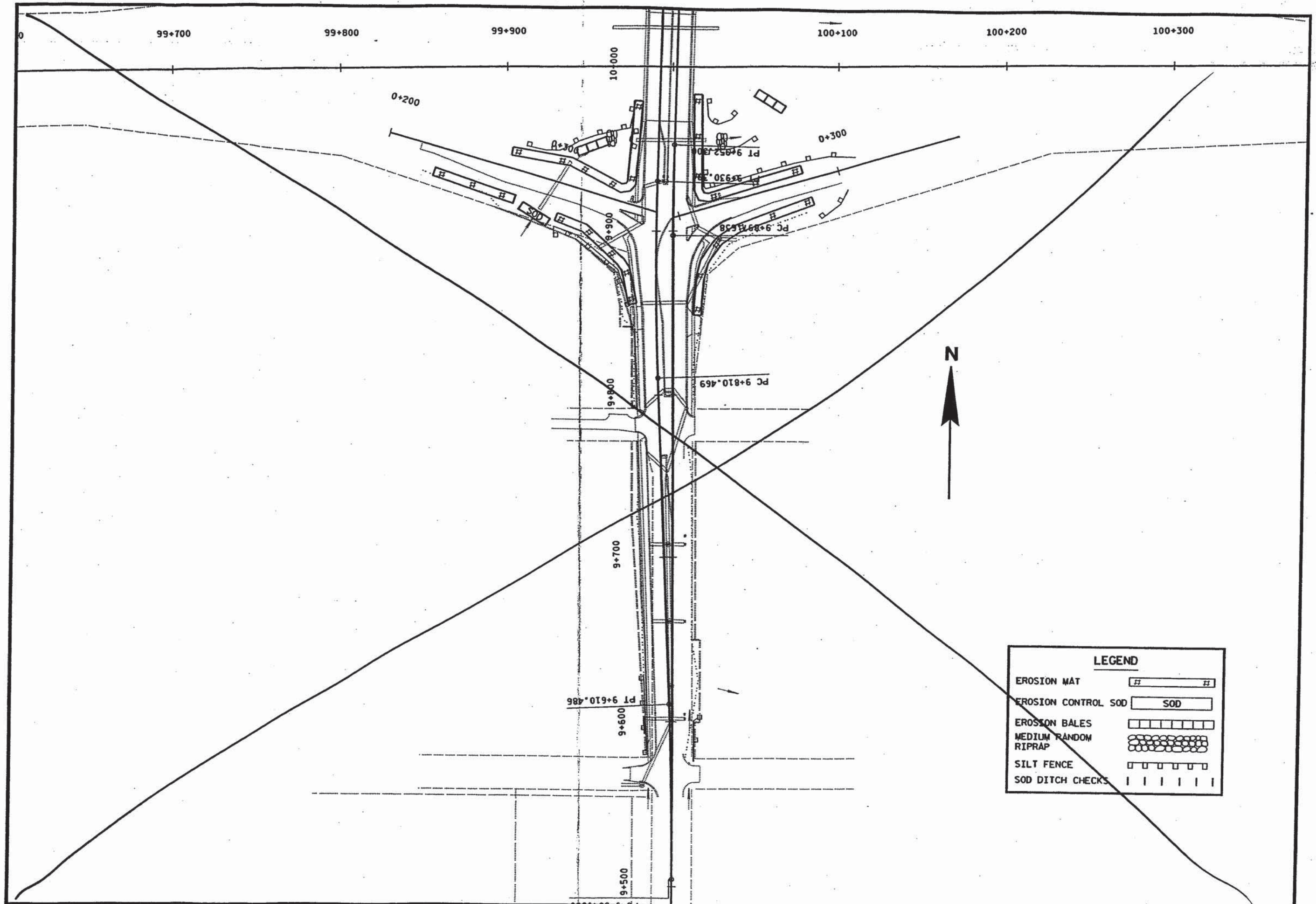
NOTE: FOR PARK AND RIDE LAYOUT ONLY.

ELECTRICAL SERVICE AND CONTROL CABINET TO BE PROVIDED AND INSTALLED BY WDOT, DISTRICT 3 ELECTRICAL UNIT.

- LEGEND
- CONTROL BOX
 - ⊕ PULL BOX
 - LUMINAIRE



LEGEND	
EROSION MAT	
EROSION CONTROL SOD	
EROSION BALES	
MEDIUM RANDOM RIPRAP	
SILT FENCE	
SOD DITCH CHECKS	



EROSION CONTROL DETAIL

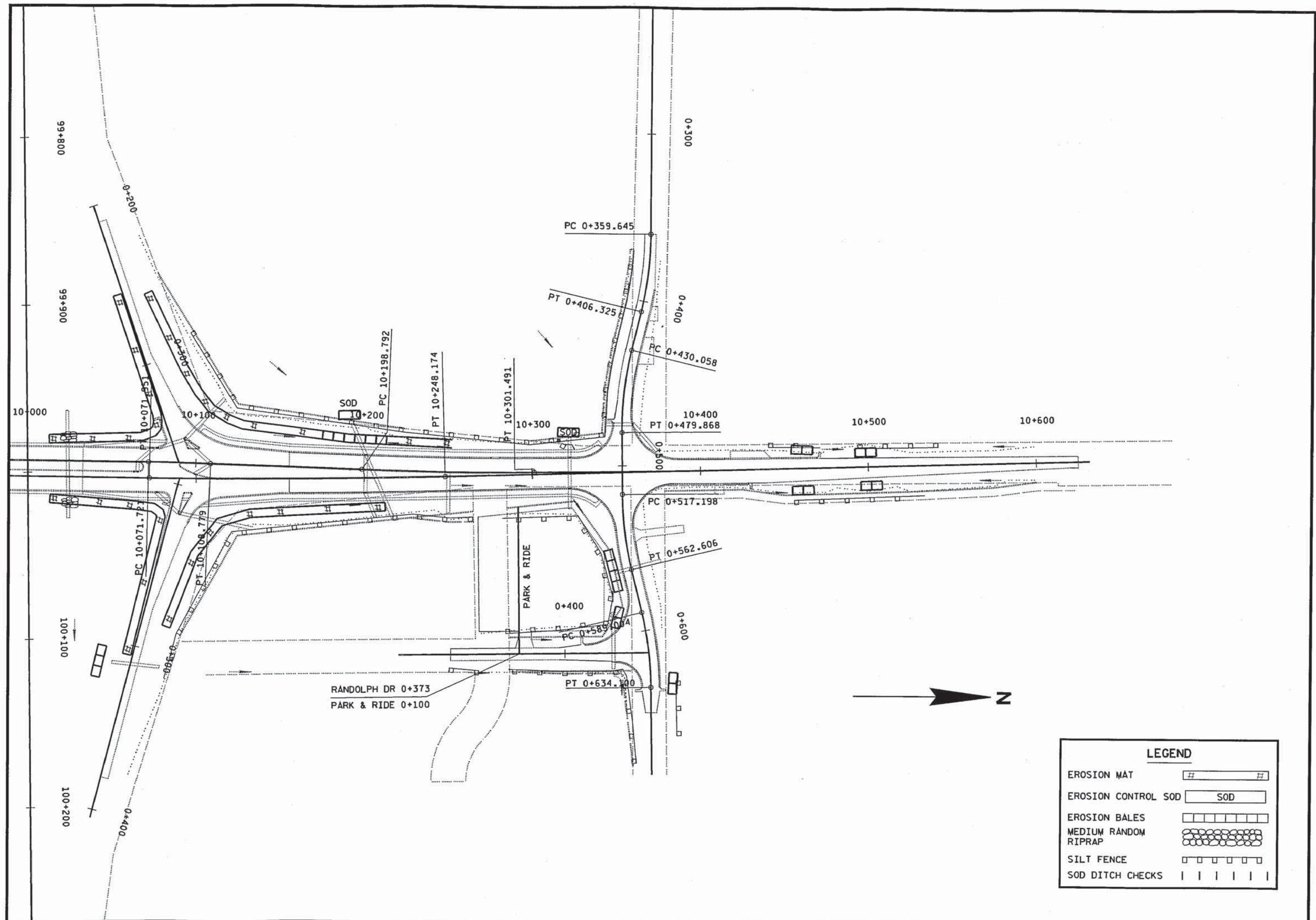
SCALE: 1:1000 HWY: USH 41

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-5-71

SHEET NO: 2.25 M

FILE NAME: D3 113305:201.DGN



LEGEND

- CONTROL CABINET BASE
- EXISTING CONDUIT
- CONDUIT
- SIGNAL HEAD, PEDESTAL MOUNT
- SIGNAL HEAD, MAST-ARM MOUNT
- LUMINAIRE
- PROPOSED LOOP DETECTOR IN 25mm NONMETALLIC CONDUIT WITH 300mm PULL BOX
- PROPOSED LOOP DETECTOR IN 25mm NONMETALLIC CONDUIT
- PULL BOX 600mm X 900mm
- PULL BOX 300mm X 600mm

CONFIGURATION WITH HEAD NUMBERS		
3-V	5-VL	3-H
(R) (Y) (G)	(R) (Y) (G) (Y) (G)	(R) (Y) (G)
1, 3, 4, 7, 9, 11	5, 8	2, 6, 10



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

NOTE:

- ALL METAL BOXES THAT CARRY 50 VOLTS OR MORE TO BE BONDED.
- ALL DIMENSIONS ARE TO FRONT CENTER OF DETECTOR LOOP.
- ALL NEWLY INSTALLED SIGNAL EQUIPMENT SHALL HAVE A 1.3 m MINIMUM CLEARANCE TO THE BACK OF CURB.
- THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
- TERMINATION OF BONDING JUMPERS IN PULL BOXES TO BE LUG AND BOLT CONNECTION AND CAULKED (SILICONE) AFTER INSTALLATION.
- EACH LOOP DETECTOR SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROL CABINET.
- THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BEFORE PLACING CABLE INTO THE SYSTEM.
- ALL *10 (STR) WIRE SHALL HAVE XLP INSULATION.
- BACKPLATES ARE REQUIRED FOR ALL SIGNAL HEADS.
- LOCATION FOR ALL CONCRETE BASES AND LOOP DETECTORS SHALL BE APPROVED BY WISDOT DISTRICT 3 ELECTRICAL UNIT PRIOR TO FINAL PLACEMENT.
- THE TRAFFIC SIGNAL CONTROLLER AND CABINET, AND ELECTRICAL SERVICE METER BEAKER PEDESTAL ASSEMBLY ARE FURNISHED AND INSTALLED BY WISDOT.

REVISIONS					
Base Plan No.	Rev. No.	MODIFICATIONS TO INTERCHANGE		Cont. Type	
		APPROVALS			
		DISTRICT	CENTRAL OFFICE		
		Date	By	Date	By
TRAFFIC CONTROL SIGNALS USH 41 & CTH N OUTAGAMIE CO SIGNAL NO. 579 SCALE 0' 5' 10' 20' WISCONSIN DEPARTMENT OF TRANSPORTATION APPROVAL RECOMMENDED Date 6-29-95 DLH District Traffic Engineer APPROVED Date 7-13-95 R I MOE State Electrical Engineer I.D. NO. Controller Type :					

STATE PROJECT NO: 1133-05-71

HWY: USH 41

COUNTY: OUTAGAMIE

SHEET NO: 2.27

M

FILE NAME: F:\d3-traffic\sig56s.dgn

ORIGINATOR:

REV. DATE:

PLOT SCALE: 0.500000:1.000000

PLOT DATE: 07-JUN-2001 11:37

WISDOT: MSHT20

CONFIGURATION WITH HEAD NUMBERS		
3-V	3-H	5-VL
R Y G 14, 16, 18 19, 20, 22	R Y G 13, 17, 21	R Y G 12, 15

LEGEND

-  CONTROL CABINET BASE
-  EXISTING CONDUIT
-  CONDUIT
-  SIGNAL HEAD, PEDESTAL MOUNT
-  SIGNAL HEAD, MAST-ARM MOUNT
-  LUMINAIRE
-  PROPOSED LOOP DETECTOR IN 25mm NONMETALLIC CONDUIT WITH 300mm PULL BOX
-  PROPOSED LOOP DETECTOR IN 25mm NONMETALLIC CONDUIT
-  PULL BOX 600mm X 900mm
-  PULL BOX 300mm X 600mm



CONNECT TO 75 mm CONDUIT
FROM BRIDGE

NOTE:

ALL METAL BOXES THAT CARRY 50 VOLTS OR MORE TO BE BONDED.

ALL DIMENSIONS ARE TO FRONT CENTER OF DETECTOR LOOP.

ALL NEWLY INSTALLED SIGNAL EQUIPMENT SHALL HAVE A 1.3 m MINIMUM CLEARANCE TO THE BACK OF CURB.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

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

TERMINATION OF BONDING JUMPERS IN PULL BOXES TO BE LUG AND BOLT CONNECTION AND CAULKED (SILICONE) AFTER INSTALLATION.

EACH LOOP DETECTOR SHALL HAVE A SEPARATE LEAD-IN CABLE TO THE CONTROL CABINET.

THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED BEFORE PLACING CABLE INTO THE SYSTEM.

ALL #10 (STR) WIRE SHALL HAVE XLP INSULATION.

BACKPLATES ARE REQUIRED FOR ALL SIGNAL HEADS.

LOCATION FOR ALL CONCRETE BASES AND LOOP DETECTORS SHALL BE APPROVED BY WISDOT DISTRICT 3 ELECTRICAL UNIT PRIOR TO FINAL PLACEMENT.

THE TRAFFIC SIGNAL CONTROLLER AND CABINET, AND ELECTRICAL SERVICE METER BEAKER PEDESTAL ASSEMBLY ARE FURNISHED AND INSTALLED BY WISDOT.

STATE PROJECT NO: 1133-05-71

HWY: USH 41

COUNTY: OUTAGAMIE

SHEET NO: 2.28

M

FILE NAME: F:\d3-traffic\tsig57s.dgn

ORIGINATOR: D-3 --- JD TSIG157S-2

REV. DATE:

PLOT SCALE: 0.500000:1.000000

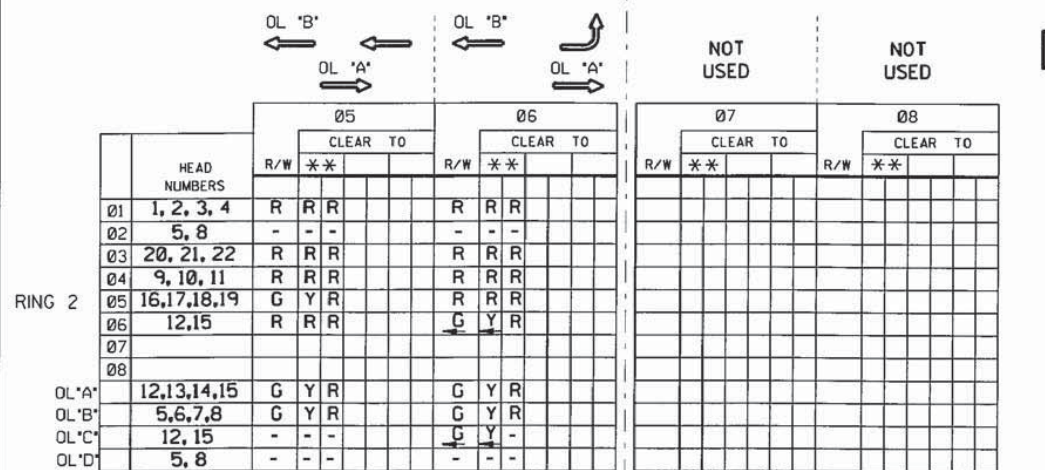
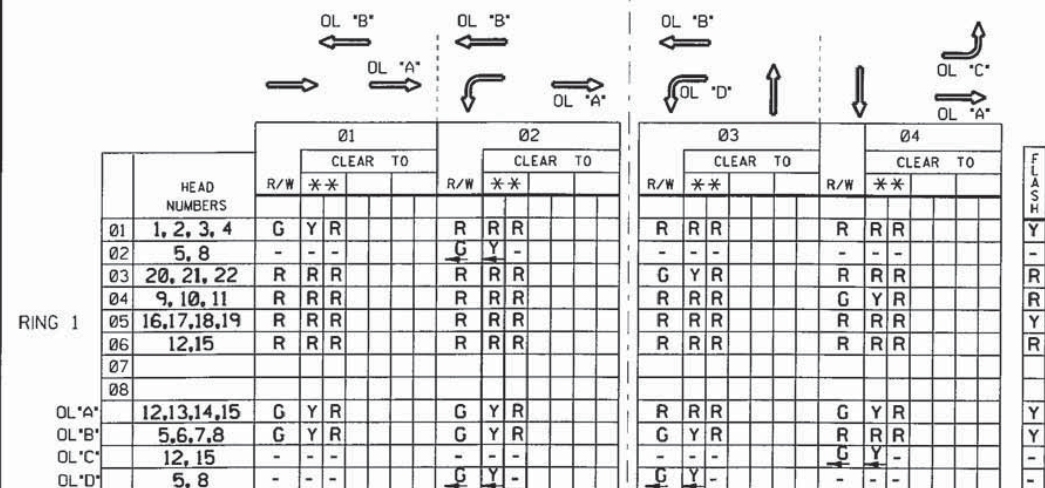
PLOT DATE: 07-JUN-2001 11:37

WISDOT: MSHT20

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

SEQUENCE OF OPERATION



BARRIER

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
01	05, 06	02, 03, 04
02	05, 06	01, 03, 04
03	NONE	01, 02, 04, 05, 06
04	NONE	01, 02, 03, 05, 06
05	01, 02	03, 04, 06
06	01, 02	03, 04, 05
07		
08		

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
11	1	X			01				X		
12	2	X			01						
21	3	X			02			X			
31	4	X			03						
32	4	X			03						
41	5	X			04						
42	5	X			04						
51	6	X			05				X		
52	7	X			05						
61	8	X			06			X			

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL
01			MIN
02			
03			
04			
05			MIN
06			
07			
08			

OVERLAPS

O.L. "A" = 01, 02, 04, 05, 06
O.L. "B" = 01, 02, 03, 05, 06
O.L. "C" = 04, 06
O.L. "D" = 02, 03

RING 1



RING 2



BARRIER

TYPE OF INTERCONNECT	
NONE	
TBC	X
CLOSED LOOP	
HARDWIRE	
TOE (FREQ)	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	

TYPE OF LIGHTING	
NONE	
IN TRAFFIC CONTROL CABINET	X
IN SEPARATE CONTROL CABINET	

GENERAL NOTES:

- ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
- WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)
- IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.
- PROVIDE FOR HAND CONTROL OPERATION.

USH 41 & CTH N
OUTAGAMIE CO

SIGNAL NO. 579

DATE

SHEET NO. OF

STATE PROJECT NO: 1133-05-71

HWY: USH 41

COUNTY: OUTAGAMIE

TRAFFIC SIGNALS

SHEET NO: 2.29

M

FILE NAME: F:\d3-traffic\sig57s.dgn

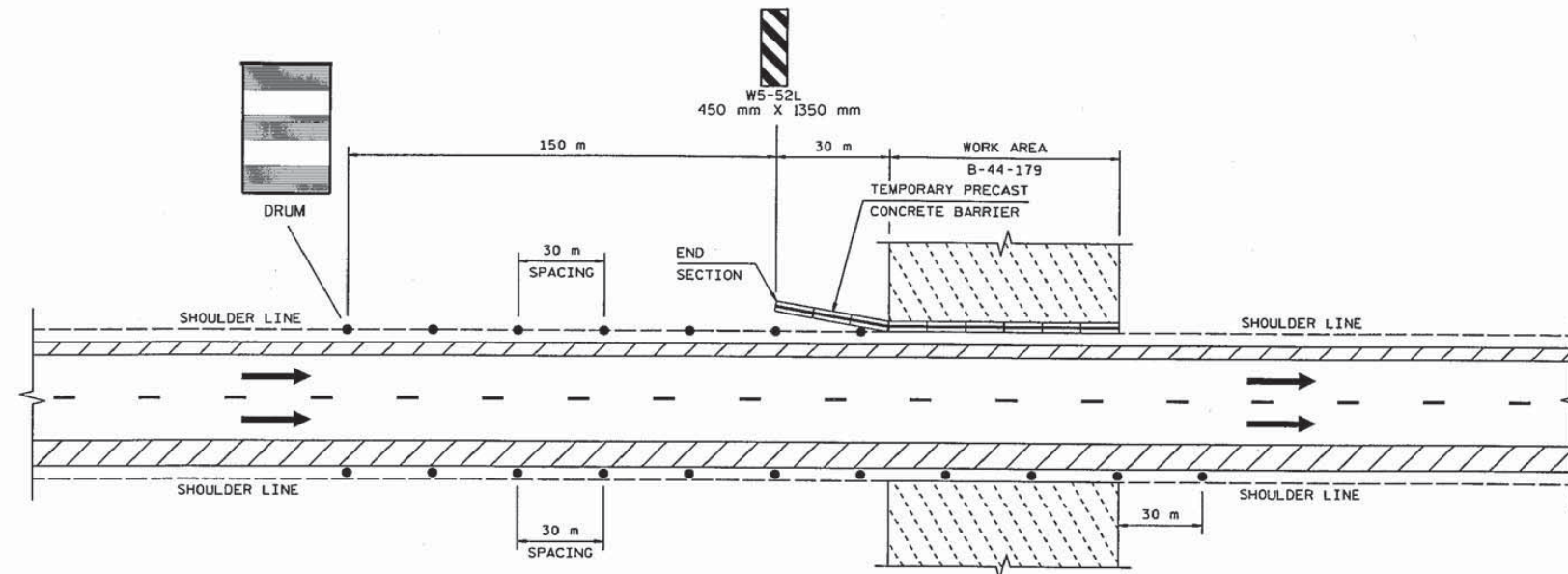
ORIGINATOR: DISTRICT 3 -- JD

REV. DATE:

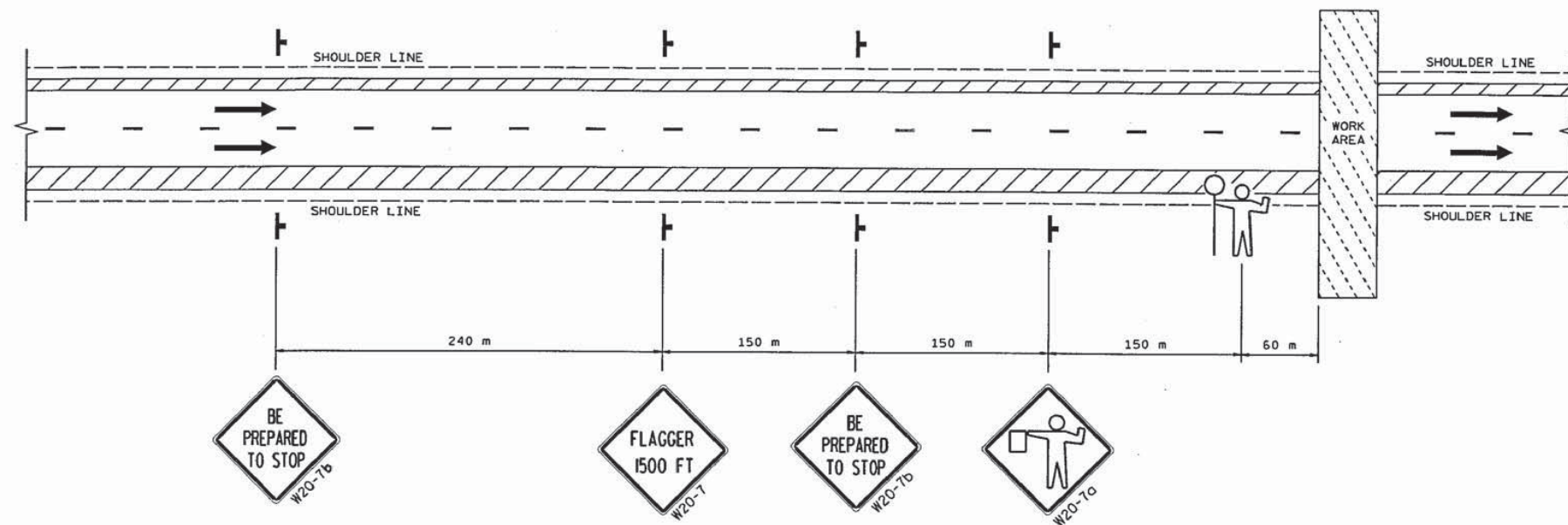
PLOT SCALE: 0.498657:1.000000

PLOT DATE: 22-MAR-2001 07:30

WISDOT: MSHT20



LAYOUT FOR WORK ZONE PROTECTION
 USH 41 NORTHBOUND OR SOUTHBOUND AT B-44-179
 NORTHBOUND SHOWN, SOUTHBOUND SIMILAR



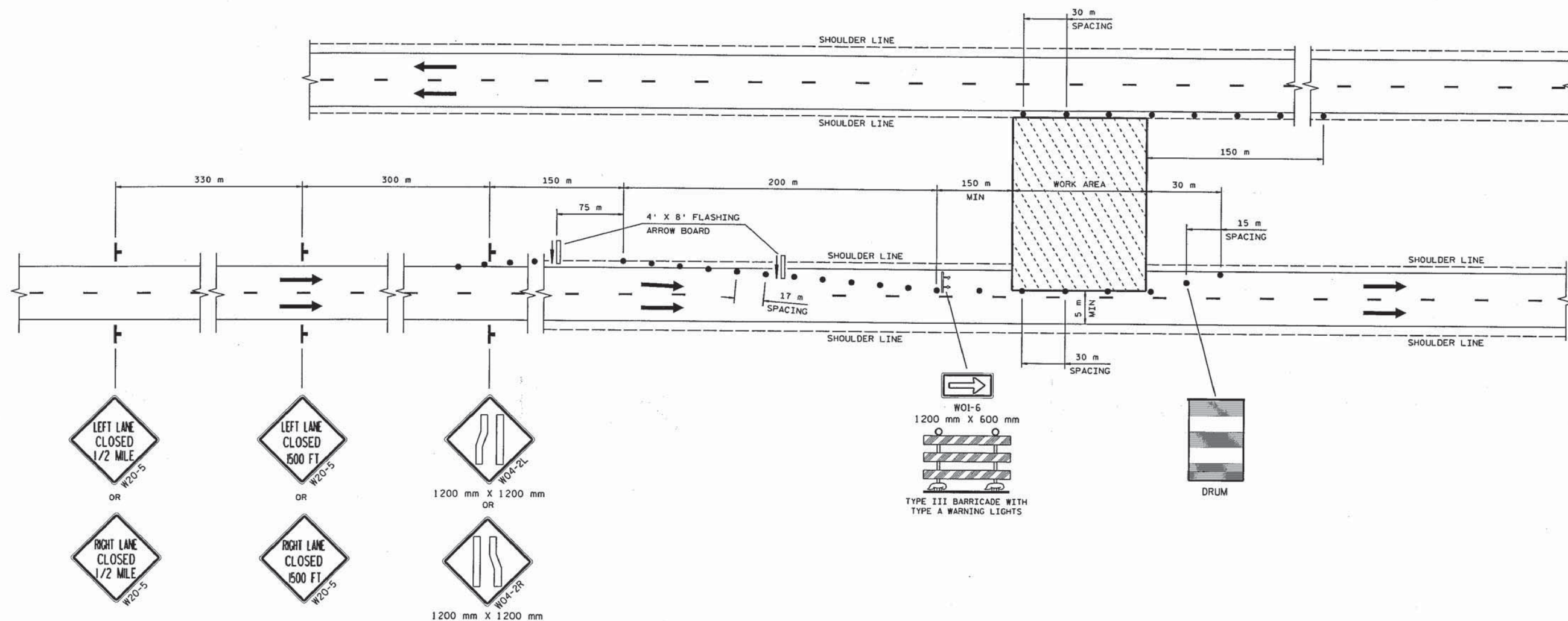
TEMPORARY TWO LANE CLOSURE USH 41
 REMOVING AND SETTING BEAMS B-44-179
 CONTROL TO BE REMOVED WHEN NOT IN USE

TRAFFIC CONTROL NOTES

THE NUMBER OF DRUMS SHOWN ARE APPROXIMATE AND THE NUMBER MAY CHANGE DEPENDING ON THE FINAL PLACEMENT.
 LAMPS ON DRUMS ARE NOT REQUIRED.
 ALL SIGNS ARE 1,200 mm X 1,200 mm UNLESS OTHERWISE NOTED.

SYMBOLS

- WORK AREA
- DRUM
- TEMPORARY PRECAST CONCRETE BARRIER
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
- DIRECTION OF TRAFFIC FLOW
- SIGN ON PORTABLE OR PERMANENT SUPPORT



SIGNING LAYOUT FOR MAINLINE LANE CLOSURE

USH 41 NORTHBOUND OR SOUTHBOUND AS REQ'D
(DAYTIME OPERATION ONLY)

TRAFFIC CONTROL NOTES

"W0" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

LAMPS ON DRUMS IN TAPER ARE NOT REQUIRED.

THE NUMBER OF TYPE III BARRICADES AND DRUMS SHOWN ARE APPROXIMATE AND THE NUMBER MAY CHANGE DEPENDING ON THE FINAL PLACEMENT OF THE BARRICADES.

ALL SIGNS ARE 1,200 mm X 1,200 mm UNLESS OTHERWISE NOTED.

ALL TRAFFIC CONTROL DRUMS, BARRICADES AND ARROW BOARDS SHALL BE REMOVED FROM THE ROADWAY AND SHOULDERS AT NIGHT OR WHEN NOT IN USE.

ALL TRAFFIC CONTROL SIGNS SHALL BE COVERED WHEN NOT IN USE.

SYMBOLS

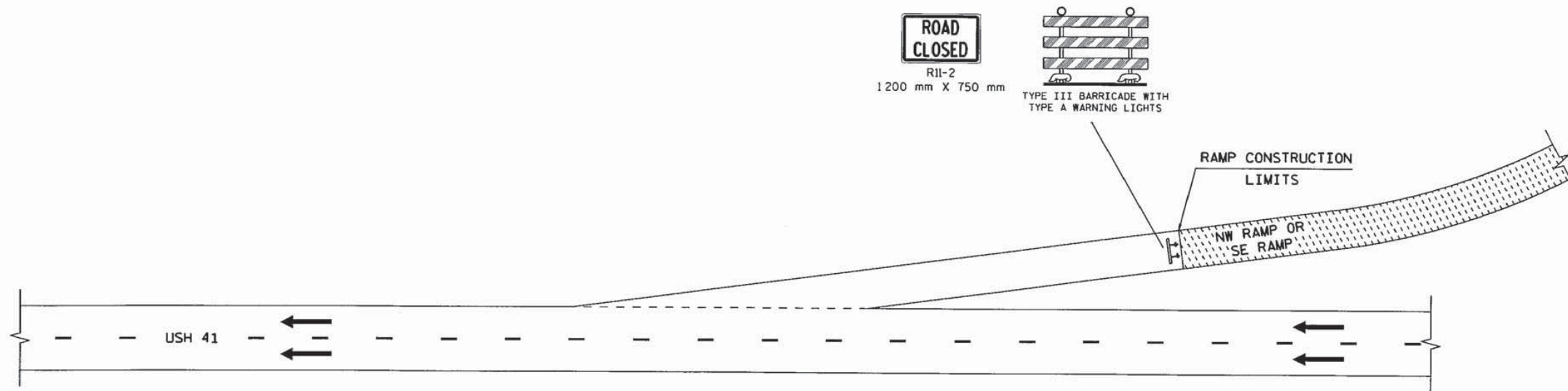
- WORK AREA
- DRUM
- DIRECTION OF TRAFFIC FLOW
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS
- 4' X 8' FLASHING ARROW BOARD

PLOT SCALE: 1:1

PLOT NAME: 216cd
REV. DATE: 1-11-99
LEVELS: 01, 02, 03, 04, 05, 06, 07, 08, 09, 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

ORIGINATOR: DIST 3

FILE NAME: D3 113305:216.DGN



TRAFFIC CONTROL AT NW & SE RAMP CLOSURE
USH 41/CTH N INTERCHANGE
NW RAMP SHOWN, SE RAMP SIMILAR

SYMBOLS	
	WORK AREA
	DRUM
	TEMPORARY PRECAST CONCRETE BARRIER
	FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
	DIRECTION OF TRAFFIC FLOW
	SIGN ON PORTABLE OR PERMANENT SUPPORT

TRAFFIC CONTROL DETAILS

SCALE: 1:1

HWY: USH 41

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-5-71

SHEET NO: 2.32

M

		EARTHWORK SUMMARY				
STATION TO STATION	LOCATION	COMMON EXCAVATION m3	EBS m3	FILL EXPANDED 40%	BORROW EXCAVATION EXPANDED 15% m3	REMARKS
GROUP CODE 010						
SE & SW RAMPS			1 500			
9+850 - 9+975	ELM TO BRIDGE		2 500			
9+575 - 9+970	ELM TO BRIDGE	2 375		14 150	5 675	
10+025 - 10+350	CTH N OF EVERGREEN	925		47 750	36 775	
0+330 - 0+450	CTH N RANDOLPH DRIVE	1 100		75		HAUL 2800 m3 OF EXCESS MATERIAL FROM OTHER BALANCES
						HAUL 1025 m3 FROM RANDOLPH DRIVE TO 10+025 - 10+350
SUBTOTAL		4 400	4 000	61 975	42 450	
GROUP CODE 030						
10+350 - 10+625		2 150		1 300		
10+150 - 10+350	CTH N S.B.				2 600	HAUL 850 m3 TO 10+025 - 10+350
SUBTOTAL		2 150		1 300	2 600	
GROUP CODE 040						
	USH 41 MEDIAN				100	
	SW RAMP	250		9 225	6 900	
	SE RAMP	250		875	550	
	NE RAMP	125		16 050	13 100	
	NW RAMP	100		6 875	5 575	
	PARK & RIDE	625		500		HAUL 125 m3 FROM TO PARK AND RIDE 10+025 TO 10+350
SUBTOTAL		1 350		33 525	26 225	
GROUP CODE 050						
	EVERGREEN DRIVE W.	800				
	EVERGREEN DRIVE E.	575		1 625	875	HAUL 800 m3 TO 10+025 - 10+350
SUBTOTAL		1 375		1 625	875	
TOTALS		9 275	4 000	98 425	72 150	
		13 275				

		<u>CLEARING AND GRUBBING</u>				
STATION TO STATION	LOCATION	CLEARING 25mm	GRUBBING 25mm			
<u>GROUP CODE 010</u>						
9+670	LT.	30	30			
9+925 - 9+975		57	57			
10+025 - 10+075		128	128			
10+250	RT. NB	40	40			
0+395	RT. RANDOLPH DRIVE	10	10			
SUBTOTAL		265	265			
<u>GROUP CODE 030</u>						
10+405	CTH N	10	10			
SUBTOTAL		10	10			
TOTALS		275	275			

		<u>REMOVING INLETS</u>		
STATION TO STATION	LOCATION	REMOVING INLETS EACH		
<u>GROUP CODE 010</u>				
9+909	NB LT.	1		
10+093	NB RT.	1		
TOTAL		2		

REMOVING ASPHALTIC ITEMS					REMOVALS MISCELLANEOUS			
STATION TO STATION	LOCATION	REMOVING ASPHALTIC SURFACE m2	REMOVING ASPHALTIC SURFACE, BUTT JOINTS m2	REMOVING ASPHALTIC SURFACE, MILLING m2	STATION TO STATION	LOCATION	REMOVING SURFACE DRAINS EACH	REMOVING GUARDRAIL m
GROUP CODE 010					GROUP CODE 010			
9+555 - 9+562	ELM TO BRIDGE		105	720		SW QUADRANT EXIST. STRUCTURE B-44-37		45
9+555 - 9+775	ELM TO BRIDGE					SE QUADRANT EXIST. STRUCTURE B-44-37		38
0+330 - 0+360	RANDOLPH DRIVE	210				SE RAMP	3	
						SW RAMP	3	
						NE RAMP	3	
						NW RAMP	3	
	SUBTOTALS	210	105	720		SUBTOTALS	12	83
GROUP CODE 030					GROUP CODE 030			
10+350 - 10+625	CTH N NORTH OF EVERGREEN	1980			10+483 - 10+511	RT. & LT.		56
	SUBTOTALS	1980				SUBTOTALS		56
GROUP CODE 050					GROUP CODE 040			
0+410	LT. DRIVEWAY	30				SE RAMP		50
0+430	LT. DRIVEWAY	250				NW RAMP		125
0+425 - 00+495	EXISTING	490				USH 41 MEDIAN		145
0+510 - 0+650	EVERGREEN DR	840				USH 41 SB		93
0+550	LT. DRIVEWAY	60				USH 41 NB		92
	SUBTOTALS	1670				SUBTOTALS		505
	TOTALS	3860	105	720		TOTALS	12	644
REMOVING CURB AND GUTTER ITEMS					SAWING PAVEMENT SUMMARY			
STATION TO STATION	LOCATION	REMOVING CURB & GUTTER m	STATION	LOCATION	SIZE	EACH	SAWING CONCRETE PAVEMENT, FULL DEPTH m	SAWING EXISTING PAVEMENT m
GROUP CODE 010					GROUP CODE 010			
9+602		5	10+280	55 m RT., N.B. R.L.	24"	1		
9+661		5	9+590	ELM TO BRIDGE	24"	1		
9+708		5	10+275	EXISTING RANDOLPH DR.	24"	1		
9+790 - 9+880		90		TOTAL		3		
	SW RAMP	45	*ALL OTHER PIPES REMOVED AS PART OF GRADING ARE INCIDENTAL					
	SE RAMP	125						
	NE RAMP	60						
	NW RAMP	50						
	SUBTOTAL	385						
GROUP CODE 050					GROUP CODE 030			
9+602	NW CORNER CTH N & EVERGREEN	40	10+625	MAINLINE				7
	SUBTOTAL	40	10+415	DRIVEWAY RT.				4
	TOTALS	425	10+435	DRIVEWAY LT.				19
				SUBTOTAL				30
					GROUP CODE 040			
						SE RAMP	8	
						SW RAMP	8	
						NE RAMP	8	
						NW RAMP	8	
						SUBTOTAL	32	
					GROUP CODE 050			
			0+360	EVERGREEN DRIVE				57
			0+650	EVERGREEN DRIVE				7
			0+540	DRIVEWAY EVERGREEN LT.				3
				SUBTOTAL				67
				TOTALS			52	194
DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES								
SCALE: 1:1		HWY: USH 41		COUNTY: OUTAGAMIE		STATE PROJECT NO: 1133-05-71		SHEET NO: 3B
								M

EROSION CONTROL SUMMARY											CRUSHED AGGREGATE BASE COURSE SUMMARY					
STATION TO STATION	LOCATION	EROSION MAT CLASS I TYPE A		EROSION BALES		SILT FENCE,		SILT FENCE MAINT. m	EROSION CONTROL SOD m2	WATER FOR SOD KL	STATION TO STATION	LOCATION	QUALITY MANAGEMENT PROGRAM BASE COURSE Mg	C.A.B.C.		
		DELIV. m2	INSTALL. m2	DELIV. EACH	INSTALL. EACH	DELIV. m	INSTALL. m							ROADWAY Mg	SHOULDER	WATER KL
GROUP CODE 010											GROUP CODE 010					
9+850 - 9+970	ELM TO BRIDGE ELM TO MOASIS LT. & RT. MOASIS DR TO BRIDGE	500	500			380	380	380			0+330 - 0+450	RANDOLPH DRIVE	1 400	1 300	100	5
						320	320	320			9+555 - 9+975		5 325	5 325		10
9+950 - 9+970	ELM TO BRIDGE			100	100				1045	106	10+025 - 10+350		5 000	5 000		100
9+575 - 9+970	ELM TO BRIDGE															
9+850 - 9+970	ELM TO BRIDGE															
0+330 - 0+440	BRIDGE TO EVERGREEN RANDOLPH DRIVE RT. & LT.	1200	1200			650	650	650								
						220	220	220								
	SUBTOTAL	1700	1700	100	100	1570	1570	1570	1045	106		SUBTOTAL	11 725	11 625	100	115
GROUP CODE 030											GROUP CODE 030					
10+450 - 10+625						175	175	175			10+350 - 10+440	CTH N	1 450	1 450		
10+420 - 10+625						205	205	205			10+440 - 10+625	CTH N	3 400	2 950	450	
											10+350 - 10+625					10
											10+150 - 10+350	CTH N	575	575		
	SUBTOTAL					380	380	380				SUBTOTAL	5 425	4 975	450	10
GROUP CODE 040											GROUP CODE 040					
	SW RAMP	300	300			200	200	200	8			PARK & RIDE	1 300	1 300		5
	SE RAMP	200	200			150	150	150				SE RAMP	341	241	100	
	NE RAMP	900	900			300	300	300	8			SW RAMP	850	600	250	
	NW RAMP	600	600			200	200	200				SOUTH RAMP				5
	PARK & RIDE					100	100	100				NE RAMP	769	444	325	
												NW RAMP	640	440	200	
												NORTH RAMP				5
	SUBTOTAL	2000	2000			950	950	950	16			SUBTOTAL	3 900	3 025	875	15
GROUP CODE 050											GROUP CODE 050					
0+360 - 0+490	EVERGREEN DRIVE W					130	130	130	16		0+360 - 0+500	EVERGREEN	1 725	1 600	125	10
0+510 - 0+650	EVERGREEN DRIVE E LT. & RT.					160	160	160				DRIVEWAYS-EVERGREEN E	75	75		
											0+510 - 0+650	EVERGREEN	1 725	1 725		10
												DRIVEWAYS-EVERGREEN W	75	75		
	SUBTOTAL					290	290	290	16			SUBTOTAL	3 600	3 475	125	20
	TOTALS	3700	3700	100	100	3190	3190	3190	1077	106		TOTALS	24 650	23 100	1 550	160
											24 650					

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES	SCALE: 1:1	HWY: USH 41	COUNTY: OUTAGAMIE	STATE PROJECT NO: 1133-05-71	SHEET NO:3C	M
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ASPHALTIC SUMMARY						ASPHALTIC MISC.					
STATION TO STATION	LOCATION	ASPHALTIC CONCRETE PAVEMENT SUPERPAVE TYPE E-10 Mg	ASPHALTIC CONCRETE PAVEMENT TYPE E-0.3 Mg	ASPHALTIC MATERIAL FOR TACK COAT L	PLANT MIXES @ 5.5 % Mg	QUALITY MANAGEMENT PROGRAM, ASPHALTIC PAVEMENT Mg	STATION TO STATION	LOCATION	ASPHALTIC SURFACE DRIVEWAY Mg	ASPHALTIC SURFACE RAISED MEDIAN Mg	ASPHALTIC FLUMES m2
GROUP CODE 010						GROUP CODE 010					
9+555 - 9+770	ELM TO BRIDGE	1085		276	60	1085	0+415	RANDOLPH DR. LT.			10
0+330 - 0+450	BRIDGE TO EVERGREEN	875		297	49	875	0+910	ELM TO BRIDGE	5		
	CTH N RANDOLPH DRIVE	375		125	20	375	9+590 - 9+765	ELM TO BRIDGE		121	
							9+800 - 9+890	ELM TO BRIDGE		121	
							10+070 - 10+350	BRIDGE TO EVERGREEN		129	
	SUBTOTAL	2335		698	129	2335		SUBTOTAL	5	371	10
GROUP CODE 030						GROUP CODE 030					
10+350 - 10+440		356		117	20	356	10+410	RT. NORTH OF EVERGREEN	2		
10+440 - 10+625		548		180	30	548	10+430	CTH N RT.			10
10+150 - 10+350	CTH N	193		65	11	193	10+430	LT. CTH N NORTH OF EVERGREEN	19		
							10+470	CTH N LT.			10
	SUBTOTAL	1097		362	61	1097		SUBTOTAL	21		20
GROUP CODE 040						GROUP CODE 040					
	SE RAMP	20		10	1	20		SE RAMP			30
	SW RAMP	50		24	3	50		SW RAMP			30
	NW RAMP	112		57	6	112		NE RAMP			30
	NE RAMP	147		75	8	147		NW RAMP			30
	PARK & RIDE		675	237	33	675					
	SUBTOTAL	329	675	403	51	1004		SUBTOTAL			120
GROUP CODE 050						GROUP CODE 050					
0+360 - 0+500	EVERGREEN DRIVE W	350		115	20	350	0+410	LT. CTH N - EVERGREEN DRIVE W	4		
0+510 - 0+650	EVERGREEN DRIVE E	350		115	20	350	0+430	LT. CTH N - EVERGREEN DRIVE W	21		
							0+470	EVERGREEN DRIVE RT.			10
							0+535	EVERGREEN DRIVE RT.			10
							0+535	LT. CTH N - EVERGREEN DRIVE	20		
							0+625	EVERGREEN DRIVE RT.			10
							0+635	EVERGREEN DRIVE LT.			10
	SUBTOTAL	700		230	40	700		SUBTOTAL	45		40
	TOTALS	4461	675	1693	281	5136		TOTALS	71	371	190

CONCRETE PAVEMENT APPROACH SLAB	
STATION TO STATION	CONCRETE PAVEMENT APPROACH SLAB m2
GROUP CODE 010	
9+960.6 - 9+966.6	97.2
10+033.4 - 10+039.4	97.2
TOTAL	194.4

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES	SCALE: 1:1	HWY: USH 41	COUNTY: OUTAGAMIE	STATE PROJECT NO: 1133-05-71	SHEET NO: 3D	M
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ORIGINAL DATE: 03/11/11
PLOT SCALE: 1:1
PLOT NAME: 300E
REV. DATE: 2-16-99
22

CONCRETE CURB AND GUTTER SUMMARY

STATION TO STATION	LOCATION	450 mm TYPE A m	450 mm TYPE D m	750 mm TYPE A m	750 mm TYPE D m
GROUP CODE 010					
9+607					5
9+661					5
9+708					5
9+800 - 9+975	MEDIAN ISLAND SE AND SW RAMPS	300		70	
9+970 - SE RAMP	SE RAMP TO BRIDGE			125	
	SW RAMP TO BRIDGE			70	
	ELM TO MOASIS MEDIAN ISLAND		350	50	
MOASIS DRIVE	ELM TO MOASIS DRIVE SB		210		
	ELM TO SW RAMP			140	
	RANDOLPH DRIVE E				
	RANDOLPH DRIVE W				
10+025 - 10+070	MEDIAN ISLAND	95			
	NW RAMP - 10+155	70			
10+100 - 10+155	MEDIAN ISLAND	120			
	NE RAMP - 10+155	70			
10+155 - 10+275	MEDIAN ISLAND		240		
10+155	EVERGREEN DRIVE		410		
	NW & NE RAMP ISLAND			70	
	BRIDGE TO NE RAMP			65	
	BRIDGE TO NW RAMP			80	
SUBTOTAL		655	1210	670	15
GROUP CODE 030					
10+360 - 10+430	RT.				70
10+360 - 10+470	LT.				110
SUBTOTAL					180
GROUP CODE 040					
	SW RAMP			40	
	SE RAMP			35	
	NW RAMP			35	
	NE RAMP			40	
SUBTOTAL				150	
GROUP CODE 050					
0+510 - 0+640	EVERGREEN DRIVE E				130
0+360 - 0+500	EVERGREEN DRIVE W				140
SUBTOTAL					270
TOTALS		655	1210	820	465

REMOVING CONCRETE ITEMS

STATION TO STATION	LOCATION	REMOVING CONCRETE BARRIER m	REMOVING (CONCRETE) PAVEMENT m2
GROUP CODE 040			
	USH 41 SB	15	
	USH 41 NB	15	
	SW RAMP		1 200
	SE RAMP		800
	NW RAMP		1 360
	NE RAMP		1 600
TOTAL		30	4 960

STORM SEWER SUMMARY

FROM	TO	450 mm	750 mm	TYPE R.C.P.	CLASS	INLET ELEVATION	DISCHARGE ELEVATION
GROUP CODE 010							
1	1B	55.6		S.S.	III	218.300	218.250
1B	EXIST	16.0		S.S.	III	218.250	218.200
4	1	7.8		S.S.	III	218.475	218.300
1A	1	20.0		S.S.	III	218.350	218.300
2	1	1.0		S.S.	III	218.515	218.300
3	2	8.9		S.S.	III	218.585	218.515
3A	3	3.0		S.S.	III	218.600	218.565
4A	4	3.0		S.S.	III	218.500	218.475
7	1A	39.5		S.S.	III	218.540	218.450
8	7	1.8		S.S.	III	218.550	218.540
9	7	1.8		S.S.	III	218.550	218.540
10	8	7.8		S.S.	III	218.570	218.550
11	9	8.8		S.S.	III	218.570	218.550
12	13	8.8		S.S.	III	218.940	218.900
12A	12	3.0		S.S.	III	218.990	218.940
13	14	2.3		S.S.	III	218.900	218.770
14	7	43.1		S.S.	III	218.770	218.540
15	14	1.8		S.S.	III	218.850	218.770
16	15	7.8		S.S.	III	218.940	218.850
16A	16	3.0		S.S.	III	218.990	218.940
17	19	17.0		S.S.	III	219.400	219.350
18	14	42.0		S.S.	III	219.250	218.770
19	18	3.0		S.S.	III	219.350	219.250
20	19	41.0		S.S.	III	219.850	219.350
21	20	13.3		S.S.	III	220.250	219.850
22	21	5.0		S.S.	III	220.350	220.250
23	22	16.0		S.S.	III	220.400	220.350
24	25	43.0		S.S.	III	221.650	219.950
26	29	11.0		S.S.	III	222.420	221.850
28	24	9.0		S.S.	III	221.750	221.650
29	28	7.5		S.S.	III	221.850	221.750
32	30	21.5		S.S.	III	221.850	221.550
33	32	12.8		S.S.	III	222.150	221.850
34	33	2.0		S.S.	III	222.225	222.150
35	36	2.0		S.S.	III	222.350	222.250
36	33	2.2		S.S.	III	222.250	222.150
37	38	17.0		S.S.	III	223.050	222.650
38	25	15.0		S.S.	III	222.650	219.950
41	44	3.0		S.S.	III	224.475	224.400
41A	41	11.5		S.S.	III	224.650	224.475
42	43	3.0		S.S.	III	224.850	224.750
43	41A	5.5		S.S.	III	224.750	224.650
44	45	16.6		S.S.	III	224.400	223.050
46	45	21.0		S.S.	III	223.350	223.050
47	46	10.5		S.S.	III	223.530	223.350
49	50	17.0		S.S.	III	224.550	224.030
52	52A	8.4		S.S.	III	220.550	220.450
52A	53A	4.5		S.S.	III	220.450	220.350
53A	53	8.4		S.S.	III	220.350	220.050
56	57		18.5	S.S.	III	217.800	217.700
58A	59A	2.5		S.S.	III	218.850	218.750
SUBTOTAL		641.0	18.5				
GROUP CODE 050							
60	62	25.0		S.S.	III	217.950	217.900
SUBTOTAL		25.0					
TOTALS		666.0	18.5				

LANDMARK REFERENCE MONUMENTS

STATION	LOCATION	LANDMARK REFERENCE MONUMENTS EACH
GROUP CODE 010		
	E 1/4 CORNER, SEC 16, T 21N R 18E	4
	NE 1/4 CORNER, SEC 16, T 21N R 18E	4
TOTAL		8

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES

SCALE: 1:1

HWY: USH 41

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SHEET NO: 3E

M

FILE NAME: d3 113305:300.dgn

CONCRETE CURB AND GUTTER SUMMARY

STATION TO STATION	LOCATION	450 mm	450 mm	750 mm	750 mm
		TYPE A	TYPE D	TYPE A	TYPE D
		m	m	m	m
GROUP CODE 010					
9+607					5
9+661					5
9+708					5
9+800 - 9+975	MEDIAN ISLAND	300			
	SE AND SW RAMP			70	
9+970 - SE RAMP	SE RAMP TO BRIDGE			125	
	SW RAMP TO BRIDGE			70	
	ELM TO MOASIS MEDIAN ISLAND		350		50
	ELM TO MOASIS DRIVE SB		210		
MOASIS DRIVE	ELM TO SW RAMP			140	
	RANDOLPH DRIVE E				
	RANDOLPH DRIVE W				
10+025 - 10+070	MEDIAN ISLAND	95			
	NW RAMP - 10+155	70			
10+100 - 10+155	MEDIAN ISLAND	120			
	NE RAMP - 10+155	70			
10+155 - 10+275	MEDIAN ISLAND		240		
10+155	EVERGREEN DRIVE		410		
	NW & NE RAMP ISLAND			70	
	BRIDGE TO NE RAMP			65	
	BRIDGE TO NW RAMP			80	
SUBTOTAL		655	1210	670	15
GROUP CODE 030					
10+360 - 10+430	RT.				70
10+360 - 10+470	LT.				110
SUBTOTAL					180
GROUP CODE 040					
	SW RAMP			40	
	SE RAMP			35	
	NW RAMP			35	
	NE RAMP			40	
SUBTOTAL				150	
GROUP CODE 050					
0+510 - 0+640	EVERGREEN DRIVE E				130
0+360 - 0+500	EVERGREEN DRIVE W				140
SUBTOTAL					270
TOTALS		655	1210	820	465

REMOVING CONCRETE ITEMS

STATION TO STATION	LOCATION	REMOVING CONCRETE BARRIER m	REMOVING CONCRETE PAVEMENT m2
GROUP CODE 040			
	USH 41 SB	15	
	USH 41 NB	15	
	SW RAMP		1 200
	SE RAMP		800
	NW RAMP		1 360
	NE RAMP		1 600
TOTAL		30	4 960

LANDMARK REFERENCE MONUMENTS

STATION	LOCATION	LANDMARK REFERENCE MONUMENTS EACH
GROUP CODE 010		
	E 1/4 CORNER, SEC 16, T 21N R 18E	4
	NE 1/4 CORNER, SEC 16, T 21N R 18E	4
TOTAL		8

STORM SEWER SUMMARY

REINFORCED CONCRETE PIPE

		60825	60826	60827	60829	60850		
		CLASS III				CLASS IV		
FROM	TO	300 mm	375 mm	450 mm	600 mm	300 mm	INLET ELEVATION	DISCHARGE ELEVATION
GROUP CODE 010								
1B	INLET	---	---	---	31.0	---	218.315	218.300
1	2	---	---	---	---	1.2 218.358	218.336	218.355
2	3	---	---	---	---	8.9 218.355	218.333	218.346
3	1B	---	---	---	---	2.0 218.346	218.366	218.315
3A	3	---	---	---	---	3.0 218.417	218.318	218.346
4	1	---	---	---	---	7.8 218.375	218.360	218.358
4A	4	---	---	---	---	3.0 218.382	218.320	218.375
6	1B	3.8	---	---	---	---	219.050	218.700
7	9	---	---	1.8	---	---	218.570	218.430 218.580
8	7	---	1.8	---	---	---	218.593	218.440 218.590
9	11	---	---	8.8	---	---	218.580	218.430 218.430
10	8	---	7.8	---	---	---	218.620	218.440 218.593
11	1B	---	---	---	58.0	---	218.430	218.300 218.315
12	13	---	8.8	---	---	---	218.791	218.776
12A	12	3.0	---	---	---	---	218.796	218.791
13	14	---	---	2.3	---	---	218.776	218.771
14	7	---	---	47.1	---	---	218.771	218.440 218.580
15	14	---	---	1.8	---	---	218.776	218.771
16	15	---	7.8	---	---	---	218.789	218.776
16A	16	3.0	---	---	---	---	218.794	218.789
17	19	---	---	---	---	31.5	220.700	220.610
18	14	---	42.0	---	---	---	219.313	218.771
20	21	9.0	---	---	---	---	220.477	220.284
21	18	---	53.0	---	---	---	220.284	219.313
22	21	5.0	---	---	---	---	220.476	220.284
23	22	12.2	---	---	---	---	220.536	220.476
24	25	---	48.0	---	---	---	221.200	220.300
25	39	---	---	10.5	---	---	220.300	219.900
26	29	11.0	---	---	---	---	221.400	221.360
28	24	9.0	---	---	---	---	221.285	221.200
29	28	7.5	---	---	---	---	221.360	221.285
30	31	---	23.0	---	---	---	222.250	221.000
32	30	---	21.6	---	---	---	222.650	222.250
33	32	12.8	---	---	---	---	222.925	222.650
34	33	2.0	---	---	---	---	223.000	222.925
35	36	2.0	---	---	---	---	223.000	222.950
36	33	2.2	---	---	---	---	222.950	222.925
37	38	19.5	---	---	---	---	223.050	222.650
38	25	19.2	---	---	---	---	222.650	220.300
41	44	3.0	---	---	---	---	224.475	224.400
41A	41	11.5	---	---	---	---	224.650	224.475
42	43	3.0	---	---	---	---	224.850	224.750
43	41A	5.5	---	---	---	---	224.750	224.650
44	45	---	16.6	---	---	---	224.400	223.050 224.046
45	48	---	23.2	---	---	---	224.046	223.050
46	45	21.0	---	---	---	---	224.350	223.350 224.050
47	46	10.5	---	---	---	---	224.530	223.350 224.350
49	50	17.0	---	---	---	---	224.300	223.760 224.060
50	51	37.5	---	---	---	---	224.060	222.000
52	52A	8.6	---	---	---	---	220.550	220.450
52A	53A	4.5	---	---	---	---	220.450	220.350
53	53B	---	12.5	---	---	---	220.250	220.000
53A	53	8.6	---	---	---	---	220.350	220.250
56	57	---	---	18.5	---	---	217.803	217.653
57	59	---	---	15.1	---	---	217.653	217.534
58	56	---	---	11.5	---	---	217.900	217.803
58A	59A	2.5	---	---	---	---	218.850	218.750
59A	60A	22.3	---	---	---	---	218.750	218.115
SUBTOTAL		276.7	266.1	117.4	89.0	57.4		
GROUP CODE 050								
60	61	---	---	---	---	25.5	218.250	218.173
SUBTOTAL		0.0	0.0	0.0	0.0	25.5		
TOTALS		276.7	266.1	117.4	89.0	82.9		

NOTE: Lengths of pipe runs that end in an endwall are distances to the end of the endwall.

TRAFFIC CONTROL SUMMARY

STATION TO STATION	LOCATION	TRAFFIC CONTROL SIGNS, FIXED MESSAGE m2	APPROX. SERVICE PERIOD DAYS	DRUMS NO. IN SERVICE	DAYS	BARRICADES TYPE III NO. IN	DAYS SERVICE	WARNING LIGHTS TYPE A NO. IN	DAYS SERVICE	SIGNS NO. IN SERVICE	DAYS	ARROW BOARDS NO. IN SERVICE	DAYS	WARNING LIGHTS TYPE C NO. IN SERVICE	DAYS	TEMPORARY PRECAST CONCRETE BARRIER DEL. & INSTALLED m	REMARKS
GROUP CODE 010																	
S AND N PROJECT LIMITS	CTH N		120	25	3 000					4	480						ADVANCE WARNING ROAD CLOSURE ADVANCE WARNING ADVANCE WARNING ADVANCE WARNING
	CTH N		120			10	1 200	12	1 440	1	120						
	ELM STREET		120			4	480	4	480	6	720						
	MOASIS DRIVE		120			4	480	4	480	4	480						
	RANDOLPH DRIVE		120							2	240						
	EVERGREEN DRIVE		120			4	480	4	480	6	720						
SUBTOTALS					3 000		2 640		2 880		2 760						
GROUP CODE 020																	
PROTECTION	USH 41 NB		63	16	1 008											90	PIER WORK ZONE
	USH 41 SB		63	16	1 008											90	PIER WORK ZONE
PROTECTION	USH 41 NB		7	8	56												FLAGGING OPERATION FLAGGING OPERATION LANE CLOSURES LANE CLOSURES
	USH 41 NB		7	8	56												
	USH 41 NB		10	30	300	1	10			7	70	2	20	7	70		
	USH 41 SB		10	30	300	1	10			7	70	2	20	7	70		
SUBTOTAL					2 728		20			140		40		140		180	
GROUP CODE 040																	
99+510 - 99+800	SW RAMP	4	120	30	3 600	4	480	6	720	6	720						SW RAMP CLOSURE NE RAMP CLOSURE
100+200 - 100+490	NE RAMP	4	120	30	3 600	4	480	6	720	6	720						
SUBTOTAL		8			7 200		960		1 440		1 440						
TOTALS		8			12 928		3 620		4 320		4 340	40		140		180	

CONCRETE PAVEMENT SUMMARY

STATION TO STATION	LOCATION	CONCRETE PAVEMENT 250mm m2	PAVEMENT TIES EACH
GROUP CODE 010			
10+039 - 10+070	BRIDGE TO EVERGREEN	953	
10+070 - 10+100	BRIDGE TO EVERGREEN	867	
10+100 - 10+155	BRIDGE TO EVERGREEN	2 500	
9+760 - 9+960	MOASIS TO BRIDGE	3 513	
SUBTOTAL		7 833	
GROUP CODE 040			
	NW RAMP	900	20
	NE RAMP	900	20
	SE RAMP	800	20
	SW RAMP	1 300	20
SUBTOTAL		3 900	80
TOTALS		11 733	80

CONCRETE SIDEWALK AND DRIVEWAYS

STATION TO STATION	LOCATION	CONCRETE SIDEWALK 125 mm m2	CONCRETE DRIVEWAY 200 mm m2
GROUP CODE 010			
9+575 - 9+970	ELM TO BRIDGE		60
SUBTOTAL			60
PROJECT ID 1133-05-72			
9+580 - 9+970	CTH N	570	
10+025 - 10+340	CTH N	900	
SUBTOTAL		1 470	
TOTALS		1 470	60

TRAFFIC CONTROL SUMMARY																		
STATION TO STATION	LOCATION	TRAFFIC CONTROL SIGNS, FIXED MESSAGE m2	APPROX. SERVICE PERIOD DAYS	DRUMS		BARRICADES TYPE III		WARNING LIGHTS TYPE A		SIGNS		ARROW BOARDS		WARNING LIGHTS TYPE C		TEMPORARY PRECAST CONCRETE BARRIER DEL. & INSTALLED m	REMARKS	
				NO. IN SERVICE	DAYS	NO. IN	DAYS SERVICE	NO. IN	DAYS SERVICE	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS	NO. IN SERVICE	DAYS			
GROUP CODE 010																		
S AND N PROJECT LIMITS	CTH N		120	25	3 000					4	480							ADVANCE WARNING
	CTH N		120			10	1 200	12	1 440	1	120							ROAD CLOSURE
	ELM STREET		120			4	480	4	480	6	720							ADVANCE WARNING
	MOASIS DRIVE		120			4	480	4	480	4	480							ADVANCE WARNING
	RANDOLPH DRIVE		120							2	240							ADVANCE WARNING
	EVERGREEN DRIVE		120			4	480	4	480	6	720							
SUBTOTALS					3 000		2 640		2 880		2 760							
GROUP CODE 020																		
PROTECTION	USH 41 NB		63	16	1 008													PIER WORK ZONE
PROTECTION	USH 41 SB		63	16	1 008													PIER WORK ZONE
	USH 41 NB		7	8	56													FLAGGING OPERATION
	USH 41 NB		7	8	56													FLAGGING OPERATION
	USH 41 NB		10	30	300	1	10			7	70	2	20	7	70			LANE CLOSURES
	USH 41 SB		10	30	300	1	10			7	70	2	20	7	70			LANE CLOSURES
SUBTOTAL					2 728		20				140		40		140		180	
GROUP CODE 040																		
99+510 - 99+800	SW RAMP	4	120	30	3 600	4	480	6	720	6	720							SW RAMP CLOSURE
100+200 - 100+490	NE RAMP	4	120	30	3 600	4	480	6	720	6	720							NE RAMP CLOSURE
SUBTOTAL				8	7 200		960		1 440		1 440							
TOTALS				8	12 928		3 620		4 320		4 340		40		140		180	

CONCRETE PAVEMENT SUMMARY			
STATION TO STATION	LOCATION	CONCRETE PAVEMENT 250mm m2	PAVEMENT TIES EACH
GROUP CODE 010			
10+039 - 10+070	BRIDGE TO EVERGREEN	953	
10+070 - 10+100	BRIDGE TO EVERGREEN	867	
10+100 - 10+155	BRIDGE TO EVERGREEN	2 500	
9+760 - 9+960	MOASIS TO BRIDGE	3 513	
SUBTOTAL		7 833	
GROUP CODE 040			
	NW RAMP	900	20
	NE RAMP	900	20
	SE RAMP	900	20
	SW RAMP	900	20
SUBTOTAL		3 600	80
TOTALS		11 433	80

CONCRETE SIDEWALK AND DRIVEWAYS			
STATION TO STATION	LOCATION	CONCRETE SIDEWALK 125 mm m2	CONCRETE DRIVEWAY 200 mm m2
GROUP CODE 010			
9+575 - 9+970	ELM TO BRIDGE		60
SUBTOTAL			60
PROJECT ID 1133-05-72			
9+580 - 9+970	CTH N	570	
10+025 - 10+340	CTH N	900	
SUBTOTAL		1 470	
TOTALS		1 470	60

MANHOLES, INLETS AND COVERS

NO.	STATION	LOCATION	MANHOLES TYPE 1 EACH	INLETS TYPE 1 EACH	INLETS TYPE 3 EACH	MANHOLE COVERS TYPE J EACH	INLETS TYPE H EACH	COVERS TYPE C EACH	GRATE	TOP OF COVER ELEV.	TOP OF STRUCT. ELEV.	FLOW. ELEV.	DEPTH m	REMARKS
GROUP CODE 010														
1B	0+976	ELM DRIVE 9m RT.	1			1								
1A	9+622	NB RL 1.5 m LT.	1			1								
1	9+602	NB RL 0.3 m LT.			1		1		219.373	EXIST GRND 219.610	219.350	218.250	1.10	
2	9+602	SB RL 0.3 m RT.			1		1		219.373		219.210	218.450	1.15	
3	9+602	SB RL 8.6 m LT.			1		1		219.230		320.000	218.300	1.1	
3A	9+605	SB RL 8.6 m LT.			1		1		219.255		219.297	218.515	1.15	
4	9+602	NB RL 7.45 m RT.			1		1		219.230		219.115	218.565	1.15	
4A	9+605	NB RL 7.45 m RT.			1		1		219.255		219.179	218.600	1.15	
7	9+661	NB RL 1.9 m LT.	1			1			219.230		219.115	218.5	1.15	
9	9+661	NB RL 0.2 m LT.			1		1		219.255	219.800	219.179	218.500	1.15	
9	9+661	SB RL 0.2 m RT.			1		1		219.670		219.420	218.540	1.25	
10	9+661	NB RL 7.45 m RT.			1		1		219.670		219.370	218.550	1.15	
11	9+661	SB RL 8.6 m LT.			1		1		219.500		219.370	218.550	1.15	
12	9+661	SB RL 8.6 m LT.			1		1		219.500		219.200	218.570	1.15	
12A	9+711	SB RL 8.6 m LT.			1		1		220.035		219.735	218.940	1.15	
13	9+708	SB RL 0.2 m RT.			1		1		220.115		219.815	218.990	1.15	
14	9+708	NB RL 2.3 m LT.	1			1			220.245		219.945	218.900	1.15	
15	9+708	NB RL 0.2 m LT.			1		1			220.4	220.020	218.770	1.15	
16	9+708	NB RL 7.45 m RT.			1		1		220.200		219.900	218.850	1.15	
16A	9+711	NB RL 7.45 m RT.			1		1		220.035		219.735	218.940	1.15	
17	9+765	SB RL 8.6 m LT.			1		1		220.115		219.815	218.990	1.15	
18	9+750	SB RL 3.8 m LT.			1		1		221.050		220.800	219.400	1.40	
19	9+753	SB RL 3.8 m LT.			1		1		220.900		220.565	219.250	1.40	
20	9+793	NB RL 7.45 m LT.			1		1		221.700		220.600	219.350	1.25	
21	9+803	NB RL 0.2 m LT.			1		1		222.095		221.450	219.850	1.60	
22	9+803	SB RL 3.8 m RT.			1		1		222.095		221.800	220.250	1.55	
23	9+793	SB RL 8.6 m LT.			1		1		222.095		221.850	220.350	1.50	
24	9+856	NB RL 7.45 m RT.			1		1		221.700		221.450	220.400	1.05	
25	0+220	SE RAMP 20 m RT.				1			223.220	221.500	223.970	221.650	2.30	
26	9+856	SB RL 9.0 m LT.			1		1				221.200	219.950	1.25	
28	9+856	NB RL 0.2 m LT.			1		1		223.220		223.970	222.420	1.55	
29	9+856	SB RL 2.7 m RT.			1		1		223.427		223.127	221.750	1.35	
30	9+905	SB RL 8.6 m LT.			1		1		223.377		223.077	221.850	1.20	
32	9+925	SB RL 8.6 m LT.			1		1		224.490		224.240	221.550	2.70	
33	9+929	SB RL 3.8 m RT.			1		1		224.910		224.650	221.850	2.80	
34	9+931	SB RL 3.8 m RT.			1		1		225.060		224.810	221.150	2.65	
35	9+931	NB RL 3.8 m LT.			1		1		225.085		224.835	222.225	2.60	
36	9+929	NB RL 3.8 m LT.			1		1		225.065		224.815	222.350	2.50	
37	9+921	NB RL 8.6 m RT.			1		1		225.040		224.790	222.250	2.55	
38	0+209	SE RAMP 8.3 m RT.			1		1		224.745		224.500	223.050	1.45	
41	10+074	SB RL 7.45 m LT.			1		1		224.345		224.100	222.650	1.45	
41A	10+064	SB RL 0.2 m RT.			1		1		226.237		225.937	224.475	1.45	
42	10+064	NB RL 3.6 m LT.			1		1		226.490		226.240	224.650	1.60	
43	10+066	NB RL 3.6 m LT.			1		1		226.440		226.190	224.850	1.35	
44	10+077	SB RL 7.45 m LT.			1		1		226.430		226.180	224.750	1.45	
45	10+093	SB RL 14.2 m LT.			1		1		226.190		225.940	224.400	1.55	
46	10+109	SB RL 0.2 m RT.			1		1		225.860		225.610	223.050	2.55	
47	10+100	NB RL 2.5 m LT.			1		1		225.730		225.480	223.350	2.15	
49	10+077	NB RL 8.6 m RT.			1		1		225.947		225.647	223.530	2.10	
50	0+216	NE RAMP 4.8 m LT.			1		1		225.160		225.900	224.550	1.35	
52	10+200	SB RL 8.6 m LT.			1		1		225.580		225.330	224.030	1.55	
52A	10+200	SB RL 0.2 m RT.			1		1		222.350		221.965	220.550	1.40	
53	10+200	NB RL 8.6 m RT.			1		1		222.502		222.300	220.450	1.85	
53A	10+200	NB RL 0.2 m LT.			1		1		222.334		222.034	220.050	2.00	
56	10+322	SB RL 8.6 m LT.			1		1		222.502		222.300	220.350	1.95	
57	10+322	NB RL 8.6 m LT.			1		1		219.110		218.860	217.800	1.10	
58A	10+250	SB RL 0.2 m RT.			1		1		219.110		218.860	217.700	1.20	
59A	10+250	NB RL 0.2 m LT.			1		1		220.649		219.340	218.850	1.50	
									220.649		220.340	218.750	1.60	
SUB TOTALS			5		53	5	53							
GROUP CODE 050														
60	0+490	6.6 m LT.			1		1		218.945		218.750	217.850	1.20	EVERGREEN DRIVE
61	0+490	EVERGREEN LT.		1										
72	0+562	EVERGREEN LT., 17 m		1						218.600			00	
SUB TOTALS				2	1		1	2						
TOTALS			5	2	54	5	54	2						

MANHOLES, INLETS, COVERS, AND ENDWALLS

STRUCTURE NUMBER	LOCATION				STRUCTURE	ENDWALL SIZE mm	61110	61112	61122	61167	61156	61151	TOP OF COVER / FLANGE ELEVATION	*TOP OF STRUCTURE ELEVATION	INVERT ELEVATION	STRUCTURE DEPTH (m)	COVER OVER PIPE** (m)	REMARKS	
	STATION	OFFSET					MANHOLE	MANHOLE	INLET	INLET	INLET	INLET							MANHOLE
		RL	DIST.	DIR.			TYPE 1 EACH	TYPE 3 EACH	TYPE 3 EACH	TYPE H EACH	TYPE H-S EACH	TYPE J EACH							
GROUP CODE 010																			
1B	9+602	SB	10.3 m	LT	MANHOLE	---	---	1	---	---	---	1	219.597	219.247	218.315	0.947	0.399	B	
1	9+602.	NB	0.15 m	LT	INLET	---	---	---	1	1	---	---	219.564	219.214	218.336	0.878	0.073		
2	9+602.	SB	0.15 m	RT	INLET	---	---	---	1	1	---	---	219.570	219.320	218.333	0.987	0.082		
3	9+602.	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	219.402	219.152	218.306	0.846	0.073		
3A	9+605	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	219.412	219.162	218.318	0.844	0.012		
4	9+602.	NB	7.65 m	RT	INLET	---	---	---	1	1	---	---	219.388	219.138	218.360	0.778	0.030		
4A	9+605	NB	7.65 m	RT	INLET	---	---	---	1	1	---	---	219.404	219.154	218.372	0.782	0.039		
6	9+603	SB	15.0 m	LT	ENDWALL	300	---	---	---	---	---	---	---	---	219.050	---	---	C	
7	9+661	NB	1.9 m	LT	MANHOLE	---	1	---	---	---	---	1	219.906	219.556	218.446	1.110	0.183	B	
8	9+661	NB	0.15 m	LT	INLET	---	---	---	1	1	---	---	219.799	219.549	218.449	1.100	0.073		
9	9+661	SB	0.15 m	RT	INLET	---	---	---	1	1	---	---	219.787	219.537	218.438	1.099	0.074		
10	9+661	NB	7.65 m	RT	INLET	---	---	---	1	1	---	---	219.656	219.406	218.462	0.944	0.097		
11	9+661	SB	8.55 m	LT	MANHOLE	---	X	+	---	1	---	---	219.619	219.269	218.404	0.865	0.056	A	
12	9+708	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	220.022	219.772	218.791	0.981	0.098		
12A	9+711	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	220.082	219.832	218.796	1.036	0.153		
13	9+708	SB	0.15 m	RT	INLET	---	---	---	1	1	---	---	220.191	219.941	218.776	1.165	0.282		
14	9+708	NB	2.3 m	LT	MANHOLE	---	1	---	---	---	---	1	220.321	219.971	218.771	1.200	0.417	B	
15	9+708	NB	0.15 m	LT	INLET	---	---	---	1	1	---	---	220.225	219.975	218.776	1.199	0.316		
16	9+708	NB	7.65 m	RT	INLET	---	---	---	1	1	---	---	220.045	219.795	218.789	1.006	0.123		
16A	9+711	NB	7.65 m	RT	INLET	---	---	---	1	1	---	---	220.090	219.840	218.794	1.046	0.163		
17	0+261.42	MOASIS	5.9 m	LT	INLET	---	---	---	1	---	1	---	221.600	221.380	220.700	0.680	0.050		
18	9+750	NB	3.75 m	LT	INLET	---	---	---	1	1	---	---	221.101	220.851	219.313	1.538	0.655		
19	9+756.1	NB	24.2 m	LT	ENDWALL	300	---	---	---	---	---	---	---	---	220.610	---	---	C	
20	9+803	NB	8.55 m	RT	INLET	---	---	---	1	1	---	---	222.041	221.721	220.477	1.244	0.431		
21	9+803	NB	0.15 m	LT	INLET	---	---	---	1	1	---	---	222.171	221.851	220.284	1.567	0.754		
22	9+803	SB	3.75 m	RT	INLET	---	---	---	1	1	---	---	222.166	221.846	220.476	1.370	0.557		
23	9+803	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	222.072	221.752	220.536	1.216	0.403		
24	9+856	NB	8.55 m	RT	INLET	---	---	---	1	1	---	---	223.282	222.962	221.200	1.762	0.949		
25	0+225	SE RAMP	18.8 m	RT	MANHOLE	---	1	---	---	---	---	1	222.000	221.650	220.300	1.350	0.567	B	
26	9+856	SB	8.95 m	LT	INLET	---	---	---	1	1	---	---	222.897	222.577	221.400	1.177	0.364		
28	9+856	NB	0.15 m	LT	INLET	---	---	---	1	1	---	---	223.444	223.124	221.285	1.839	1.026		
29	9+856	SB	2.5 m	RT	INLET	---	---	---	1	1	---	---	223.050	222.730	221.360	1.370	0.557		
30	9+905	SB	8.85 m	LT	INLET	---	---	---	1	1	---	---	224.478	224.158	222.250	1.908	1.095		
31	0+350	SW RAMP	29.0 m	RT	ENDWALL	375	---	---	---	---	---	---	---	---	221.000	---	---	C	
32	9+925	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	224.910	224.590	222.650	1.940	1.127		
33	9+929	SB	3.75 m	RT	INLET	---	---	---	1	1	---	---	225.060	224.740	222.925	1.815	1.002		
34	9+931	SB	3.75 m	RT	INLET	---	---	---	1	1	---	---	225.085	224.765	223.000	1.765	0.952		
35	9+931	NB	3.75 m	LT	INLET	---	---	---	1	1	---	---	225.065	224.745	223.000	1.745	0.932		
36	9+929	NB	3.75 m	LT	INLET	---	---	---	1	1	---	---	225.040	224.720	222.950	1.770	0.957		
37	9+921	NB	8.55 m	RT	INLET	---	---	---	1	1	---	---	224.745	224.425	223.050	1.375	0.562		

MANHOLES, INLETS, COVERS, AND ENDWALLS

STRUCTURE NUMBER	LOCATION				STRUCTURE	ENDWALL SIZE mm	61110	61112	61122	61167	61156	61151	TOP OF COVER / FLANGE ELEVATION	*TOP OF STRUCTURE ELEVATION	INVERT ELEVATION	STRUCTURE DEPTH (m)	COVER OVER PIPE** (m)	REMARKS
	STATION	OFFSET					MANHOLE	MANHOLE	INLET	INLET	INLET	INLET						
		RL	DIST.	DIR.			TYPE 1 EACH	TYPE 3 EACH	TYPE 3 EACH	TYPE H EACH	TYPE H-S EACH	TYPE J EACH						
38	0+208	SE RAMP	10.0 m	RT	INLET	---	---	---	1	X	---	-1-	224.345	224.025	222.650	1.375	0.562	C
39	0+235	SE RAMP	23.1 m	RT	ENDWALL	450	---	---	---	---	---	---	---	---	219.900	---	---	
41	10+074	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	226.237	225.917	224.475	1.442	0.629	
41A	10+064	SB	0.15 m	RT	INLET	---	---	---	1	1	---	---	226.490	226.170	224.650	1.520	0.707	
42	10+064	NB	3.75 m	LT	INLET	---	---	---	1	1	---	---	226.440	226.120	224.850	1.270	0.457	A
43	10+066	NB	3.75 m	LT	INLET	---	---	---	1	1	---	---	226.430	226.110	224.750	1.360	0.547	
44	10+077	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	226.190	225.870	224.400	1.470	0.657	
45	0+350	NW RAMP	7.55 m	LT	MANHOLE	---	1	---	---	1	---	---	225.860	225.510	223.050	2.460	1.677	
46	10+109	SB	0.15 m	RT	INLET	---	---	---	1	1	---	---	225.730	225.410	223.350	2.060	1.247	C
47	10+099	NB	2.65 m	LT	INLET	---	---	---	1	1	---	---	225.947	225.627	223.530	2.097	1.284	
48	0+339	NW RAMP	28.0 m	LT	ENDWALL	375	---	---	---	---	---	---	---	---	222.000	---	---	
49	10+077	NB	8.55 m	RT	INLET	---	---	---	1	1	---	---	226.160	225.840	224.300	1.540	0.727	
50	0+216	NE RAMP	4.75 m	LT	INLET	---	---	---	1	1	---	---	225.830	225.510	223.760	1.750	0.937	C
51	0+250	NE RAMP	22.0 m	LT	ENDWALL	300	---	---	---	---	---	---	---	---	222.000	---	---	
52	10+200	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	222.334	222.084	220.550	1.534	0.651	
52A	10+200	SB	0.15 m	RT	INLET	---	---	---	1	1	---	---	222.502	222.252	220.450	1.802	0.919	
53	10+200	NB	8.55 m	RT	INLET	---	---	---	1	1	---	---	222.334	222.084	220.250	1.834	0.951	C
53A	10+200	NB	0.15 m	LT	INLET	---	---	---	1	1	---	---	222.502	222.252	220.350	1.902	1.019	
53B	10+200	NB	23.0 m	RT	ENDWALL	375	---	---	---	---	---	---	---	---	220.000	---	---	
56	10+322	SB	8.55 m	LT	INLET	---	---	---	1	1	---	---	219.510	219.260	217.803	1.457	0.574	
57	10+322	NB	8.55 m	RT	INLET	---	---	---	1	1	---	---	219.510	219.260	217.653	1.607	0.724	A
58	10+322	SB	20.0 m	LT	ENDWALL	450	---	---	---	---	---	---	---	---	217.900	---	---	C
58A	10+250	SB	0.15 m	RT	INLET	---	---	---	1	1	---	---	220.703	220.453	218.850	1.603	0.720	C
59	10+339.5	NB	23.0 m	RT	ENDWALL	450	---	---	---	---	---	---	---	---	217.534	---	---	
59A	10+250	NB	0.15 m	LT	INLET	---	---	---	1	1	---	---	220.703	220.453	218.750	1.703	0.820	
60A	10+250	NB	22.0 m	RT	ENDWALL	300	---	---	---	---	---	---	---	---	218.115	---	---	

GROUP CODE 050

60	0+447.55	EVERGREEN	5.35 m	LT	INLET	---	---	---	1	---	1	---	218.980	218.780	218.250	0.530	-0.120	
61	0+425	EVERGREEN	8.85 m	RT	ENDWALL	300	---	---	---	---	---	---	---	---	218.173	---	---	C

TOTALS	11	5	1	51	51	2	4
--------	----	---	---	----	----	---	---

NOTES: *: TOP OF STRUCTURE IS TOP OF COVER MINUS 0.250 m FOR INLETS IN ASPHALT PAVEMENT AREAS AND 0.320 m FOR INLETS IN CONCRETE PAVEMENT AREAS & 0.350 m FOR MANHOLES
 **: COVER OVER PIPE IS THE DEPTH OF THE TOP OF PIPE BELOW THE SUBGRADE. A NEGATIVE NUMBER INDICATES THE TOP OF PIPE IS ABOVE THE TOP OF SUBGRADE
 A: CONCRETE FLAT SLAB TOP WITH INLET SIZE OPENING REQUIRED
 B: CONCRETE FLAT SLAB TOP WITH MANHOLE SIZE OPENING REQUIRED
 C: STATION AND OFFSET SHOWN FOR ENDWALL IS TO THE END OF ENDWALL (DISCHARGE)

		LANDSCAPING SUMMARY					
STATION TO STATION	LOCATION	SALVAGED TOPSOIL m2	SEED NO. 10 kg	SEED NO. 40 kg	SEEDING, BORROW PIT MIXTURE kg	FERTILIZER TYPE B kg	MULCHING m2
GROUP CODE 010							
9+575 - 9+970	ELM TO BRIDGE	3 200		8	10	112	3 200
9+800 - 9+970	ELM TO BRIDGE		25				
9+950 - 9+970	ELM TO BRIDGE & PIPE ENDS						
10+025 - 10+350	BRIDGE TO EVERGREEN	8 050	81			282	8 050
0+330 - 0+450	RANDOLPH DRIVE	1 000	10			35	1 000
	SUBTOTAL	12 250	116	8	10	429	12 250
GROUP CODE 030							
10+350 - 10+625	CTH N NORTH OF EVERGREEN	1 775	18			62	1 775
	SUBTOTAL	1 775	18			62	1 775
GROUP CODE 040							
	USH 41 MEDIAN	300	3			11	300
	SE RAMP	600	6			20	600
	SW RAMP	3 725	37			130	3 725
	NE RAMP	4 650	47			163	4 650
	NW RAMP	1 425	15			50	1 425
	PARK & RIDE	1 350	17			44	1 350
	SUBTOTAL	12 050	125			418	12 050
GROUP CODE 050							
0+360 - 0+500	CTH N EVERGREEN DRIVE WEST	575	6			20	575
0+510 - 0+650		1 550	16			55	1 550
	SUBTOTAL	2 125	22			75	2 125
	TOTALS	28 200	281	8	10	984	28 200

		BEAMGUARD SUMMARY		
STATION TO STATION	LOCATION	STEEL PLATE BEAM GUARD CLASS A m	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH	REMARKS
GROUP CODE 040				
0+230 - 0+280	SE RAMP USH 41 MEDIAN	50 170	1	CONNECT TO EXISTING
	TOTAL	220	1	

ADJUSTED INLETS & MANHOLE COVERS		
STATION	LOCATION	
		ADJUSTING
		M.H. COVER EACH
		INLET COVER EACH

GROUP CODE 010		
9+780	LT.	1
	SUBTOTAL	1
GROUP CODE 050		
0+490	LT. EVERGREEN	1
	SUBTOTAL	
	TOTALS	1 1

CONCRETE PAVEMENT GAPS		
STATION TO STATION	LOCATION	EACH
GROUP CODE 010		
9+780	SB	1
9+780	MEDIAN	1
9+780	NB	1
	TOTAL	3

PROJECT 1133-05-72		
STATION TO STATION	PIPE RAILING	m
GROUP CODE 010		
9+855 - 9+895	RT.	40
9+855 - 9+900	LT.	45
9+915 - 9+965	RT., LT.	100
10+035 - 10+085	RT., LT.	100
10+105 - 10+240	LT.	135
10+105 - 10+275	RT.	170
	TOTAL	590

CROSS DRAIN AND SIDEROAD PIPE SUMMARY

GROUP CODE 010

LOCATION FROM TO	STA.	LOCATION	52105 CSCP 450mm m	52109 CSCP 750mm m	52227 RCCP CLASS IV 450mm m	52203 RCCP CLASS III 450mm m	52229 RCCP CLASS IV 600mm m	52207 RCCP CLASS III 750mm m	52209 RCCP CLASS III 900mm m	52233 RCCP CLASS IV 900mm m	TYPE	CLASS	THICKNESS STEEL ALUM. mm mm	INLET ELEV.	DISCH. ELEV.	52149 STEEL 450mm EACH	52152 STEEL 750mm EACH	52262 RC 450mm EACH	52264 RC 600mm EACH	52266 RC 750mm EACH	52267 RC 900mm EACH	** JOINT TIES EACH	63111 ERO.* CONTROL SOD m2	60604 MEDIUM RANDOM RIPRAP m3	64505 GEO. FABRIC TYPE R m2	90616 MARKER POSTS FLEX. EACH	REMARKS
6 - 3	9+602					6.0					RCCP	III		EXIST.	218.715			1				3	8			1	
	10+026	CTH N					65.8				RCCP	IV		216.400	216.200				2			6				2	
25 - 39					8.0						RCCP	IV		219.950	EXIST.			1				3		4	9	1	
30 - 31					32.0						RCCP	IV		221.550	219.200			1				3		4	9	1	
45 - 48					37.8						RCCP	IV		223.050	218.900			1				3		4	9	1	
50 - 51					44.5						RCCP	IV		224.030	219.000			1				3		4	9	1	
53 - 53B						15.0					RCCP	III		220.050	EXIST.			1				3	8			1	SKEW 15 DEG RHF
54 - 55							63.0				RCCP	IV		218.100	218.000				2			6	8			2	SKEW 15 DEG RHF
57 - 59								11.2			RCCP	III		217.700	217.675					1		3	8			1	
58 - 56								12.2			RCCP	III		217.825	217.800					1		3	8			1	
59A-60A						21.0					RCCP	III		218.750	218.400			1				3	8			1	
69 - 63	0+429	RANDOLPH		46.0							CSCP	III	2.01 1.91	217.350	217.275		2						8			2	
		S. ABUT.																									
		N. ABUT.																						10	9		UNDERDRAIN DIS.
		SUBTOTAL		46.0	122.3	42.0	128.8	23.4									2	7	4	2		39	56	36	54	15	UNDERDRAIN DIS.

GROUP CODE 040

	0+304	S.W. RAMP						50.0			RCCP	III		218.600	218.500						2		8			2	SKEW 15 DEG LHF
	0+307	N.E. RAMP							36.0		RCCP	III		218.400	218.250						2		8			2	SKEW 15 DEG RHF
	0+110	PARK & RIDE		18.0							CSCP	III	2.01 1.91	217.325	217.275		2									2	
		SUBTOTAL		18.0				50.0	36.0								2				4		16			6	

GROUP CODE 050

60 - 62						17.4					RCCP	III		217.850	217.840			1				3	8			1	
61 - 60						8.0					RCCP	III		217.875	217.850								8				
72 - 73				27.0							CSCP	III	1.63 1.52	217.575	217.500	2										2	
		SUBTOTAL		27.0			25.4									2		1				3	16			3	
		TOTALS		27.0	64.0	122.3	67.4	128.8	23.4	50.0	36.0					2	4	8	4	2	4	42	88	36	54	24	

* QUANTITY INCLUDED UNDER EROSION CONTROL SUMMARY (FOR INFORMATION ONLY)

** NON BID ITEM (FOR INFORMATION ONLY)

CULVERT PIPE LINERS

GROUP CODE 010

STATION	LOCATION	PIPE DIAMETER	90001A m
9+974	CTH N	900mm	65.8
		TOTAL	65.8

REMOVING PAVEMENT MARKINGS

GROUP CODE 040

STATION	LOCATION	64642 m
99+650 - 99+750	USH 41	100
100+250 - 100+350	USH 41	100
	TOTAL	200

MISCELLANEOUS QUANTITIES

HWY: CTH N

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SHEET NO: 31

M

FILE NAME: Q:\MISC QUANTITIES\1133-05-71\1133-05-71.ppt

ORIGINATOR: DENNIS DETTMAN

ORIG. DATE: 2/23/2001

REV. DATE:

CROSS DRAIN AND SIDEROAD PIPE SUMMARY

GROUP CODE 010

LOCATION FROM TO	STA.	LOCATION	52105 CSCP 450mm m	52109 CSCP 750mm m	52227 RCCP CLASS IV 450mm m	52203 RCCP CLASS III 450mm m	52229 RCCP CLASS IV 600mm m	52207 RCCP CLASS III 750mm m	52209 RCCP CLASS III 900mm m	52233 RCCP CLASS IV 900mm m	THICKNESS STEEL ALUM. mm mm	INLET ELEV.	DISCH. ELEV.	52149 STEEL 450mm EACH	52152 STEEL 750mm EACH	52262 RC 450mm EACH	52264 RC 600mm EACH	52266 RC 750mm EACH	52267 RC 900mm EACH	** JOINT TIES EACH	63111 ERO.* CONTROL SOD m2	60604 MEDIUM RANDOM RIPRAP m3	64505 GEO. FABRIC TYPE R m2	90616 MARKER POSTS FLEX. EACH	REMARKS
6 - 3	9+602				6.0							EXIST.	218.715			1				3	8			1	
	10+026	CTH N					65.8					216.400	216.200				2			6				2	
25 - 39					8.0							219.950	EXIST.			1				3		4	9	1	
30 - 31					32.0							221.550	219.200			1				3		4	9	1	
45 - 48					37.8							223.050	218.900			1				3		4	9	1	
50 - 51					44.5							224.030	219.000			1				3		4	9	1	
53 - 53B						15.0						220.050	EXIST.			1				3	8			1	SKEW 15 DEG RHF
54 - 55							63.8					218.100	218.000				2			6	8			2	SKEW 15 DEG RHF
57 - 59								21.2				217.700	217.675					1		3	8			1	
58 - 56								12.2				217.825	217.800					1		3	8			1	
59A-60A						21.0						218.750	218.400					1		3	8			1	
69 - 63	0+429	RANDOLPH S. ABUT.		46.0							2.01	1.91	217.350	217.275		2				3	8			1	
		N. ABUT.																			8			2	
		SUBTOTAL		46.0	122.3	42.0	128.8	23.4							2	7	4	2		39	56	36	54	15	

GROUP CODE 040

	0+304	S.W. RAMP						50.0		RCCP	III			218.600	218.500					2		8			2	SKEW 15 DEG LHF
	0+307	N.E. RAMP						36.0		RCCP	III			218.400	218.250					2		8			2	SKEW 15 DEG RHF
	0+110	PARK & RIDE		18.0						CSC	III	2.01	1.91	217.325	217.275		2								2	
	SUBTOTAL			18.0				50.0	36.0								2			4		16			6	

GROUP CODE 050

60 - 62						17.4					RCCP	III		217.850	217.840			1		3	8			1	
61 - 60						8.0					RCCP	III		217.875	217.850						8				
72 - 73				27.0							CSCP	III	1.63	1.52	217.575	217.500		2						2	
		SUBTOTAL		27.0		25.4										2		1		3	16			3	
		TOTALS		27.0	64.0	122.3	67.4	128.8	23.4	50.0	36.0			2	4	8	4	2	4	42	88	36	54	24	

* QUANTITY INCLUDED UNDER EROSION CONTROL SUMMARY (FOR INFORMATION ONLY)

** NON BID ITEM (FOR INFORMATION ONLY)

CULVERT PIPE LINERS

GROUP CODE 010

STATION	LOCATION	PIPE DIAMETER	90001A m
9+974	CTH N	900mm	65.8
		TOTAL	65.8

REMOVING PAVEMENT MARKINGS

GROUP CODE 040

STATION	LOCATION	64642 m
99+650 - 99+750	USH 41	100
100+250 - 100+350	USH 41	100
	TOTAL	200

MISCELLANEOUS QUANTITIES

HWY: CTH N

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SHEET NO: 31

M

FILE NAME: Q:\MISC QUANTITIES\1133-05-71\1133-05-71.ppt

ORIGINATOR: DENNIS DETTMAN

ORIG. DATE: 2/23/2001

REV. DATE:

CROSS DRAIN AND SIDEROAD PIPE SUMMARY

GROUP CODE 010

LOCATION FROM TO	STA.	LOCATION	52105 CSCP 450mm	52109 CSCP 750mm	52229 RCCP CLASS IV 600mm	52209 RCCP CLASS III 900mm	52233 RCCP CLASS IV 900mm	TYPE	CLASS	THICKNESS STEEL ALUM. mm	INLET ELEV.	DISCH. ELEV.	52149 CSCP 450mm EACH	52152 CSCP 750mm EACH	52262 RCCP 450mm EACH	52264 RCCP 600mm EACH	52266 RCCP 750mm EACH	52267 RCCP 900mm EACH	** JOINT TIES EACH	63111 ERO.* CONTROL SOD m2	60604 MEDIUM RANDOM RIPRAP m3	64505 GEO. FABRIC TYPE B m2	90616 MARKER POSTS FLEX. EACH	REMARKS
3	9+602											218.715			1				4	8			1	
	10+026	CTH N			65.8			RCCP	IV		216.400	216.200				2			8				2	
39												EXIST.			1				4		4	9	1	
31												219.200			1				4		4	9	1	
45 - 48			37.8					CSCP	III	1.6	1.5	223.050	218.900	1							4	9	1	
50 - 51			44.5					CSCP	III	1.6	1.5	224.030	219.000	1							4	9	1	
53B												EXIST.			1				4	8			1	SKEW 15 DEG RHF
54 - 55					63.0			RCCP	IV			218.100	218.000			2			8	8			2	SKEW 15 DEG RHF
59												217.675					1		4	8			1	
56												217.800					1		4	8			1	
60A												218.400							4	8			1	
69 - 63	0+429	RANDOLPH		46.0				CSCP	III	2.0	1.9	217.350	217.275		2				4	8			1	
		S. ABUT.																					2	
		N. ABUT.																					2	
SUBTOTAL			82.3	46.0	128.8								2	2	5	4	2		44	56	36	54	15	

GROUP CODE 040

	0+304	S.W. RAMP			50.0			RCCP	III			218.600	218.500					2		8			2	SKEW 15 DEG LHF
	0+307	N.E. RAMP				36.0		RCCP	III			218.400	218.350					2		8			2	SKEW 15 DEG RHF
	0+110	PARK & RIDE	18.0					CSCP	III	2.0	1.9	217.325	217.275	2									2	
SUBTOTAL			18.0		50.0	36.0								2				4		16			6	

GROUP CODE 050

62												217.840			1				4	8			1	
72 - 73			27.0					CSCP	III	1.6	1.5	217.575	217.500	2									2	
SUBTOTAL			27.0											2					4	8			3	
TOTALS			109.3	64.0	128.8	50.0	36.0						4	4	6	4	2	4	48	80	36	54	24	

* QUANTITY INCLUDED UNDER EROSION CONTROL SUMMARY (FOR INFORMATION ONLY)

** NON BID ITEM (FOR INFORMATION ONLY)

CULVERT PIPE LINERS

GROUP CODE 010

STATION	LOCATION	PIPE DIAMETER	90001A m
9+955	CTH N	900mm	65.8
TOTAL			65.8

REMOVING PAVEMENT MARKINGS

GROUP CODE 040

STATION	LOCATION	64642 m
99+650 - 99+750	USH 41	100
100+250 - 100+350	USH 41	100
TOTAL		200

MISCELLANEOUS QUANTITIES

HWY: CTH N

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SHEET NO: 31

FILE NAME: Q:\WISC QUANTITIES\1133-05-71\1133-05-71.ppt

ORIGINATOR: DENNIS DETTMAN

ORIG. DATE: 2/23/2001

REV. DATE:

APPENDIX 7/31/01

ORIGINATOR: DISTRICT 3 KRUEGER
LEVELS ON
22.
REV. DATE: 12-23-98
51.
PLOT NAME: 300J
59.
PLOT SCALE: 1:1

STATION TO STATION		LOCATION	PAVEMENT MARKING, EPOXY										REMARKS
			100 mm YELLOW CENTERLINE SOLID m	100 mm, WHITE EDGE LINE SOLID m	LANE LINE DASHED m	CHANNELIZING 200 mm WHITE m	PAVEMENT CURB RAMP 150mm m	ISLAND NOSE EACH	PARKING STALL m	HandiCap Parking Symbol EACH	300mm DIAGONAL m	(m) TEMPORARY PAVEMENT MARKING 100 mm REMOVABLE TAPE	
GROUP CODE 010													
9+580 - 9+760		CTH N, NB, SB	360										
9+800 - 9+88		CTH N, NB, SB	160										
9+935 - 10+065		CTH N, NB, SB	260										
10+110 - 10+350		CTH N, NB, SB	480										
0+330 - 0+425		RANDOLPH DRIVE	190	190									
9+580 - 9+980		CTH N, NB, SB			198								
10+020 - 10+350		CTH N, NB, SB			164								
9+745 - 9+760		CTH N, NB				15							
9+800 - 9+845		CTH N, SB				45							
9+930 - 9+970		CTH N, SB				40							
9+965 - 9+980		CTH N, NB				15							
10+020 - 10+065		CTH N, NB				45							
9+890 - 9+925		SE RAMP					6						
9+890 - 9+925		SW RAMP					6						
10+080 - 10+110		NW RAMP					6						
10+080 - 10+110		NE RAMP					6						
9+580		LT & RT					4						
9+775 - 9+790		LT & RT					8						
10+335		LT & RT					4						
SUBTOTAL			1450	190	362	160	40						
GROUP CODE 020				2002									
9+980 - 10+020		CTH N, NB, SB			20								
9+980 - 10+020		CTH N, NB				40							
SUBTOTAL					20	40							
GROUP CODE 030				20									
10+440 - 10+625		CTH N, NB		185									
10+470 - 10+625		CTH N, SB		155									
10+350 - 10+625		CTH N, NB, SB	550										
10+350 - 10+440		CTH N, NB, SB			44								
SUBTOTAL			550	340	44								
GROUP CODE 040				934									
98+000 - 102+000		USH 41										200	TEMPORARY LANE CLOSURE
0+250 - 0+375		NE RAMP		250				3					
0+225 - 0+300		NW RAMP		150				3					
0+220 - 0+335		SW RAMP		130				3					
0+225 - 0+280		SE RAMP		110				3					
0+275 - 0+350		SW RAMP				75							
99+650 - 99+750		SW RAMP										100	
100+250 - 100+350		NW RAMP										100	
		PARK & RIDE							740	2	10		
SUBTOTAL				640		75		12	740	2	10	400	
GROUP CODE 050				640									
0+360 - 0+475		EVERGREEN W	230	230									
0+525 - 0+650		EVERGREEN E	250	250									
SUBTOTAL			480	480									
SUB-TOTALS			2480	1650	426	275	40	12	740	2	10	400	
TOTAL				4556									

CROSS DRAIN AND SIDEROAD PIPE SUMMARY

GROUP CODE 010

LOCATION FROM TO	STA.	LOCATION	52105	52109	52229	52209	52233	TYPE	CLASS	THICKNESS		INLET ELEV.	DISCH. ELEV.	52149	52152	52262	52264	52266	52267	** JOINT TIES EACH	63111	60604	64505	90616	REMARKS
			CSCP 450mm m	CSCP 750mm m	RCCP CLASS IV 600mm m	RCCP CLASS III 900mm m	RCCP CLASS IV 900mm m			STEEL mm	ALUM. mm			CSCP EACH	CSCP EACH	RCCP EACH	RCCP EACH	RCCP EACH	RCCP EACH		ERO.* CONTROL SOD m2	MEDIUM RANDOM RIPRAP m3	GEO. FABRIC TYPE R m2	MARKER POSTS FLEX. EACH	
3	9+602												218.715							4	8			1	
	10+026	CTH N			65.8			RCCP	IV			216.400	216.200			1		2		8				2	
39													EXIST.			1				4		4	9	1	
31													219.200			1				4		4	9	1	
45 - 48			37.8					CSCP	III	1.6	1.5	223.050	218.900	1								4	9	1	
50 - 51			44.5					CSCP	III	1.6	1.5	224.030	219.000	1								4	9	1	
53B													EXIST.			1				4	8			1	SKEW 15 DEG RHF
54 - 55					63.0			RCCP	IV			218.100	218.000				2			8	8			2	SKEW 15 DEG RHF
59													217.675				1			4	8			1	
56													217.800				1			4	8			1	
60A													218.400			1				4	8			1	
69 - 63	0+429	RANDOLPH		46.0				CSCP	III	2.0	1.9	217.350	217.275		2						8			2	
		S. ABUT.																				10	9		UNDERDRAIN DIS.
		N. ABUT.																				10	9		UNDERDRAIN DIS.
SUBTOTAL			82.3	46.0	128.8									2	2	5	4	2		44	56	36	54	15	

GROUP CODE 040

	0+304	S.W. RAMP				50.0		RCCP	III			218.600	218.500					2		8			2	SKEW 15 DEG LHF	
	0+307	N.E. RAMP					36.0	RCCP	III			218.400	218.250					2		8			2	SKEW 15 DEG RHF	
	0+110	PARK & RIDE		18.0				CSCP	III	2.0	1.9	217.325	217.275		2								2		
SUBTOTAL				18.0		50.0	36.0								2			4			16			6	

GROUP CODE 050

62												217.840			1				4	8			1	
72 - 73			27.0					CSCP	III	1.6	1.5	217.575	217.500	2									2	
SUBTOTAL			27.0											2	1			4			8	3		
TOTALS			109.3	64.0	128.8	50.0	36.0							4	4	6	4	2	4	48	80	36	54	24

* QUANTITY INCLUDED UNDER EROSION CONTROL SUMMARY (FOR INFORMATION ONLY)

*** NON BID ITEM (FOR INFORMATION ONLY)

CULVERT PIPE LINERS

GROUP CODE 010

STATION	LOCATION	PIPE DIAMETER	90001A m
9+955	CTH N	900mm	65.8
TOTAL			65.8

REMOVING PAVEMENT MARKINGS

GROUP CODE 040

STATION	LOCATION	64642 m
99+650 - 99+750	USH 41	100
100+250 - 100+350	USH 41	100
TOTAL		200

ADDENDA 7/31/01

STATION TO STATION	LOCATION	CONSTRUCTION STAKING.			
		SUBGRADE, m	CRUSHED AGGREGATE BASE COURSE, m	CONCRETE PAVEMENT m	CURB, GUTTER, AND CURB AND GUTTER, m
GROUP CODE 010					
9+762 - 10+155	SB			327	
9+762 - 10+155	NB			327	
9+575 - 9+722	MEDIAN ISLAND				350
9+575 - 9+722	SB				205
9+575 - 9+970	ELM TO EVERGREEN				
9+575 - 9+970	NB	395	395		
4 - 5	SB	395	395		
6 - 3					
30 - 31					
45 - 48					
50 - 51					
54 - 55					
53 - 53B					
58 - 56					
57 - 59					
61 - 60					
64 - 63					
0+330 - 0+450	RANDOLPH DRIVE				
	RANDOLPH DRIVE	120	120		
	RANDOLPH DRIVE W				50
	RANDOLPH DRIVE E				15
10+025 - 10+350	NB	325	325		
10+025 - 10+350	SB	325	325		
10+155 - 10+275	MEDIAN ISLAND				240
10+155 - EVERGREEN DR					410
9+974					
10+026					
SUBTOTAL		1560	1560	654	1270
GROUP CODE 030					
10+350 - 10+625		275	275		
10+360 - 10+430	RT.				70
10+360 - 10+470	LT.				110
SUBTOTAL		275	275		180
GROUP CODE 040					
0+300 - 0+420	PARK & RIDE	62	62		
0+200 - 0+280	SE RAMP	80		80	
0+220 - 0+360	SW RAMP	140		140	
0+304	SW RAMP				
0+225 - 0+375	NE RAMP	150		150	
0+225 - 0+325	NW RAMP	100		100	
0+307	NE RAMP				
SUBTOTAL		532	62	470	
GROUP CODE 050					
60 - 62	EVERGREEN DRIVE W				
0+360 - 0+500		140	140		140
0+510 - 0+650		140	140		130
SUBTOTAL		280	280		270
TOTALS		2647	2177	1124	1720

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES	SCALE: 1:1	HWY: USH 41	COUNTY: OUTAGAMIE	STATE PROJECT NO: 1133-05-71	SHEET NO:3K	M
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MARKER POSTS FOR RIGHT-OF-WAY

GROUP CODE 010

STATION	LOCATION	OFFSET METERS	61422 POSTS EACH	MARKER * PLATE REQ'D
9+875	CTH N	36.0 LT	1	1
0+325	S.W. RAMP	30.0 RT	1	1
0+273.59	S.W. RAMP	25.253 RT	1	1
0+250.0	N.W. RAMP	23.792 LT	1	1
10+125.00	CTH N	45.0 LT	1	1
10+224.828	CTH N	29.513 LT	1	1
10+299.843	CTH N	20.746 LT	1	1
0+479.869	EVERGREEN DR	10.0 RT	1	1
0+285.00	N.E. RAMP	24.901 LT	1	1
10+125	CTH N	34.0 RT	1	1
10+227	CTH N	24.0 RT	1	1
10+264.47	CTH N	20.9 RT	1	1
10+285.124	CTH N	19.228 RT	1	1
		SUBTOTAL	13	13

GROUP CODE 030

10+378.726	CTH N	11.0 RT	1	1
10+425.0	CTH N	11.0 RT	1	1
10+450	CTH N	15.0 RT	1	1
10+525	CTH N	15.0 RT	1	1
10+575	CTH N	14.0 RT	1	1
10+600	CTH N	11.455 RT	1	1
		SUBTOTAL	6	6

GROUP CODE 050

0+366.613	EVERGREEN DR	15.0 LT	1	1
0+366.600	EVERGREEN DR	10.504 RT	1	1
0+0369	EVERGREEN DR	10.007 RT	1	1
0+406.325	EVERGREEN DR	10.0 RT	1	1
0+430.057	EVERGREEN DR	10.0 RT	1	1
0+623.498	EVERGREEN DR	10.804 RT	1	1
0+680	EVERGREEN DR	11.138 RT	1	1
		SUBTOTAL	7	7

TOTAL 26 26

NONMETALLIC CONDUIT,
SCHEDULE 40, 50 mm

GROUP CODE 010

STATION	LOCATION	65219 m
USH 41 & CTH N		
9+770	CTH N	27
9+792	CTH N	28
	MOASIS DR. EAST	16
	MOASIS DR. WEST	19
10+338	CTH N	30
0+475	EVERGREEN	15
0+522	EVERGREEN	25
10+385	CTH N	20
	TOTAL	180 **

* STATE FURNISHED; COST FOR ATTACHING TO MARKER POSTS IS INCLUDED UNDER ITEM "MARKER POSTS FOR RIGHT-OF-WAY".

NON-METALLIC CONDUIT, SCHEDULE 40

GROUP CODE 040

FROM	TO	65216 25 mm m	65219 50 mm m	65221 75 mm m
USH 41 & CTH N				
CB1	PB1			22
PB1	SB2		2	
PB1	PB2			16
PB1	PB9			32
PB1	PB8			16
PB2	SB2		2	
PB2	PB22	6		
PB2	PB3			15
PB3	SB3		2	
PB3	PB4			9
PB4	SB4		3	
PB4	PB5			19
PB5	SB5		2	
PB5	PB6			14
PB6	SB6		4	
PB6	PB23	56		
PB23	PB24	49		
PB6	PB7			15
PB7	SB7			3
PB7	PB8			14
PB9	PB10			68
PB10	PB11			39
PB11	SB8		5	
PB11	SB9		4	
PB11	PB12			9
PB12	PB13			16
PB13	SB10		2	
PB13	PB14			16
PB14	SB11		3	
PB14	PB20	56		
PB20	PB19	49		
PB14	PB15			21
PB15	SB12		3	
PB15	PB16			14
PB16	PB17			12
PB17	SB13		3	
PB17	PB18			15
PB18	SB14		3	
PB18	PB21	7		
PB18	PB11			18
PARK & RIDE				
CB	PB1		3	
PB1	PB2		12	
PB2	PB3		37	
PB2	PB4		38	
PB3	PB5		38	
PB2	LB1		2	
PB3	LB2		2	
PB4	LB3		2	
PB5	LB4		2	
	TOTALS	223	174 **	403 ***

** PROJECT TOTAL = 354m

*** ADDITIONAL QUANTITY IS LOCATED IN THE STR. PLAN

LOOP DETECTORS

GROUP CODE 040

LOCATION	LOOP NO.	NO. OF TURNS	65250 CONDUIT m	65585 WIRE m	65580 LEAD IN CABLE m
USH 41 & CTH N	11	5	22	295	115
	12	5	22	245	115
	21	4	21	175	89
	31	2	22	40	49
	32	2	25	40	49
	41	4	22	210	96
	42	4	23	210	93
	51	4	22	110	93
	52	3	22	160	70
	61	2	22	32	48
	TOTALS		223	1,517	817

PULL BOXES, STEEL

GROUP CODE 040

LOCATION	65301 300mm x 600mm EACH	65306 600mm x 900mm EACH
USH 41 & CTH N		
USH 41 SB RAMPS	7	8
USH 41 NB RAMPS	8	7
PARK & RIDE		5
TOTALS	15	20

CONCRETE BASES

GROUP CODE 040

LOCATION	SIGNAL BASE NUMBER	65401 TYPE 1 m	65402 TYPE 2 EACH	65403 TYPE 5 EACH	65418 TYPE 9 EACH
USH 41 & CTH N					
USH 41 SB RAMPS	SB1	1			
	SB2	1			
	SB3		1		
	SB4	1			
	SB5		1		
	SB6	1			
	SB7		1		
USH 41 NB RAMPS					1
	SB8		1		
	SB9	1			
	SB10		1		
	SB11	1			
	SB12		1		
	SB13	1			
	SB14	1			
PARK & RIDE				4	
	TOTALS	8	6	4	1

CONCRETE
CONTROL
CABINET
BASES

MISCELLANEOUS QUANTITIES

FILE NAME: Q:\MISC QUANTITIES\1133-05-71\1133-05-71.ppt

HWY: CTH N

ORIGINATOR: DENNIS DETTMAN

COUNTY: OUTAGAMIE

ORIG. DATE: 2/23/2001

STATE PROJECT NO: 1133-05-71

REV. DATE:

SHEET NO: 3L

M

TRAFFIC SIGNAL CABLE

GROUP CODE 040						
LOCATION	FROM	TO	65530 12 COND. NO. 14 m	65526 7 COND. NO. 14 m	HEAD NO.	BASE TO HEAD 5 COND. NO. 14 m
USH 41 & CTH N						
SB USH 41 RAMP						
CTH N	CB	SB1	12	-	14	6
	SB1	SB2	20	-	15	6
			-	-	16	6
	SB2	SB3	-	19	17	13
	CB	SB7	43	-	13	14
	SB7	SB6	21	-	12	6
			-	-	19	6
	SB6	PB5	-	20	18	6
SB USH 41 RAMP	CB	SB7	-	43	22	6
	CB	SB4	-	52	20	6
	SB4	SB5	-	21	21	13
NB USH 41 RAMP						
CTH N	CB	SB8	155	-	2	13
	SB8	SB14	25	-	8	6
			-	-	1	6
	SB14	SB13	-	18	7	6
	CB	SB10	180	-	3	6
	SB10	SB11	20	-	4	6
			-	-	5	6
	SB11	SB12	-	25	6	14
NB USH 41 RAMP	CB	SB9	-	155	9	6
	SB9	SB10	-	32	10	13
	SB10	SB12	-	40	11	6
TOTALS			476	425		176

NB & EB			SB & WB		
RED	=	RED	RED	=	RED/BLACK
YELLOW	=	ORANGE	YELLOW	=	ORANGE/BLACK
GREEN	=	GREEN	GREEN	=	GREEN/BLACK
LT. GREEN	=	BLUE	LT. GREEN	=	BLUE/BLACK
LT. YELLOW	=	BLACK	LT. YELLOW	=	WHITE/BLACK

ELECTRICAL WIRE, TRAFFIC SIGNALS, NO. 10

GROUP CODE 040			
FROM TO		65557 GROUNDED CONDUCTOR (WHITE) m	65557 EQUIPMENT GROUNDING CONDUCTOR (GREEN) m
USH 41 & CTH N			
CB	PB1		10
CB	SB1	12	12
SB1	SB2	20	20
SB2	PB2		3
SB2	SB3	20	20
SB3	PB3		3
SB3	SB4	14	14
SB4	PB4		4
SB4	SB5	25	25
SB5	PB5		3
SB5	SB6	20	20
SB6	PB6		4
SB6	SB7	23	23
SB7	PB7		4
SB7	CB	43	43
PB8	SB7		16
PB9	SB1		35
CB	SB8	155	155
PB10	SB8		45
SB8	PB11		5
SB8	SB9	10	10
SB9	PB11		4
SB9	SB10	31	31
SB9	PB12		15
SB10	PB13		2
SB10	SB11	20	20
SB11	PB14		4
SB11	SB12	25	25
SB12	PB15		2
SB12	SB13	30	30
SB13	PB17		3
SB13	PB16		14
SB13	SB14	20	20
SB14	PB18		3
SB14	CB	170	170
SUB-TOTALS		638	817
TOTAL		1455	

TRAFFIC SIGNALS

GROUP CODE 040											
LOCATION	SIGNAL BASE NUMBER	65425 PEDESTAL BASES EACH	65430 TRANSFORMER BASES STANDARD 288 mm BOLT CIRCLE EACH	65732 TRAFFIC SIGNAL STANDARDS ALUMINUM 4.0 m EACH	65733 TRAFFIC SIGNAL STANDARDS ALUMINUM 4.6 m EACH	65703 POLES TYPE 3 EACH	65803 TROMBONE ARMS 6.1 m EACH	65804 TROMBONE ARMS 7.6 m EACH	65826 TRAFFIC SIGNAL FACES 3-300 mm VERTICAL EACH	65829 TRAFFIC SIGNAL FACES 3-300 mm HORIZONTAL EACH	65828 TRAFFIC SIGNAL FACES 5-300 mm VERTICAL EACH
USH 41 & CTH N	SB1	1		1					1		
	SB2	1			1				1		1
	SB3		1			1	1			1	
	SB4	1		1					1		
	SB5		1			1	1		1	1	
	SB6	1			1				1		1
	SB7		1			1		1	1	1	
	SB8		1			1	1			1	
	SB9	1		1					1		
	SB10		1			1	1		1	1	
	SB11	1			1				1		1
	SB12		1			1		1	1		
	SB13	1		1					1		
	SB14	1			1				1		1
TOTALS		8	6	4	4	6	4	2	12	6	4

LIGHTING SUMMARY

TYPE UF CABLE, 2 CONDUCTOR, NO.10

GROUP CODE 040		
FROM ~	TO	65547 m
USH 41 & CTH N		
CB	SB7	55
SB7	SB5	45
SB5	SB3	45
CB	SB8	165
SB8	SB10	45
SB10	SB12	50
TOTALS		405

ELECTRICAL WIRE, LIGHTING, NO. 12

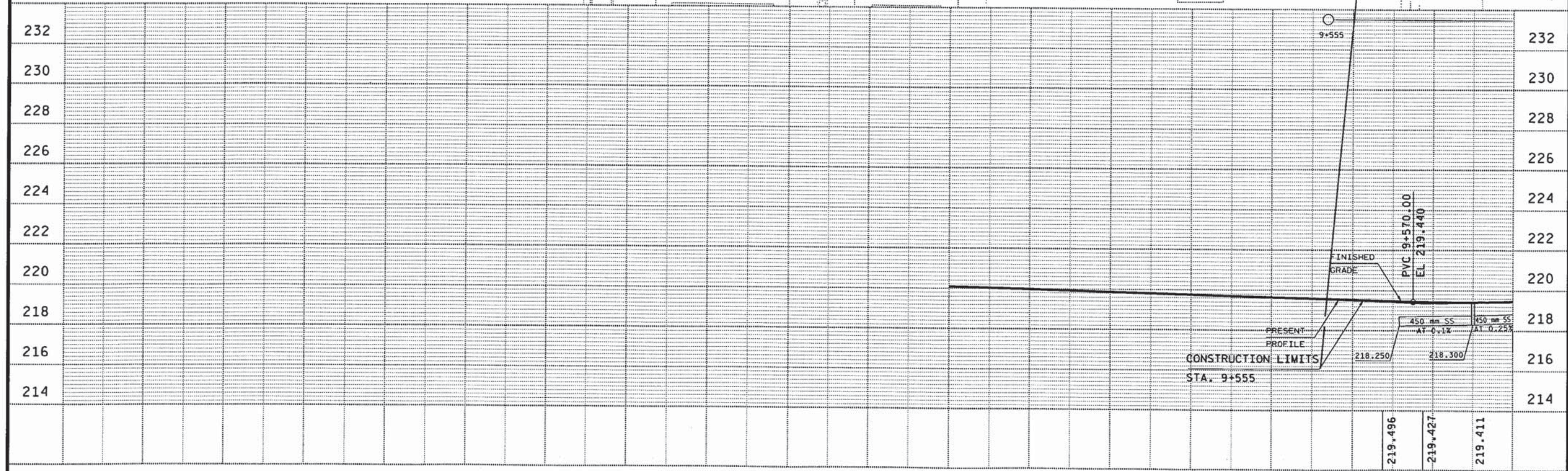
GROUP CODE 040		
FROM	TO	65566 m
PARK & RIDE		
CB	LB1	105
LB1	LB3	165
CB	LB2	210
LB2	LB4	165
TOTAL		645

GROUP CODE 040				
LOCATION	SIGNAL BASE NUMBER	65705 POLES TYPE 5 EACH	65905 LUMINAIRES UTILITY 250 WATTS EACH	65925 LUMINAIRE ARMS, SINGLE MEMBER, 115 MM CLAMP, 1.2m EACH
USH 41 & CTH N				
USH 41 SB RAMPS	SB3		1	1
	SB5		1	1
	SB7		1	1
USH 41 NB RAMPS	SB8		1	1
	SB10		1	1
	SB12		1	1
PARK & RIDE		4	4	4
TOTALS		4	10	10

PLOT SCALE: 1.0000

REV. DATE: 1-27-99
PLOT NAME: d3500
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

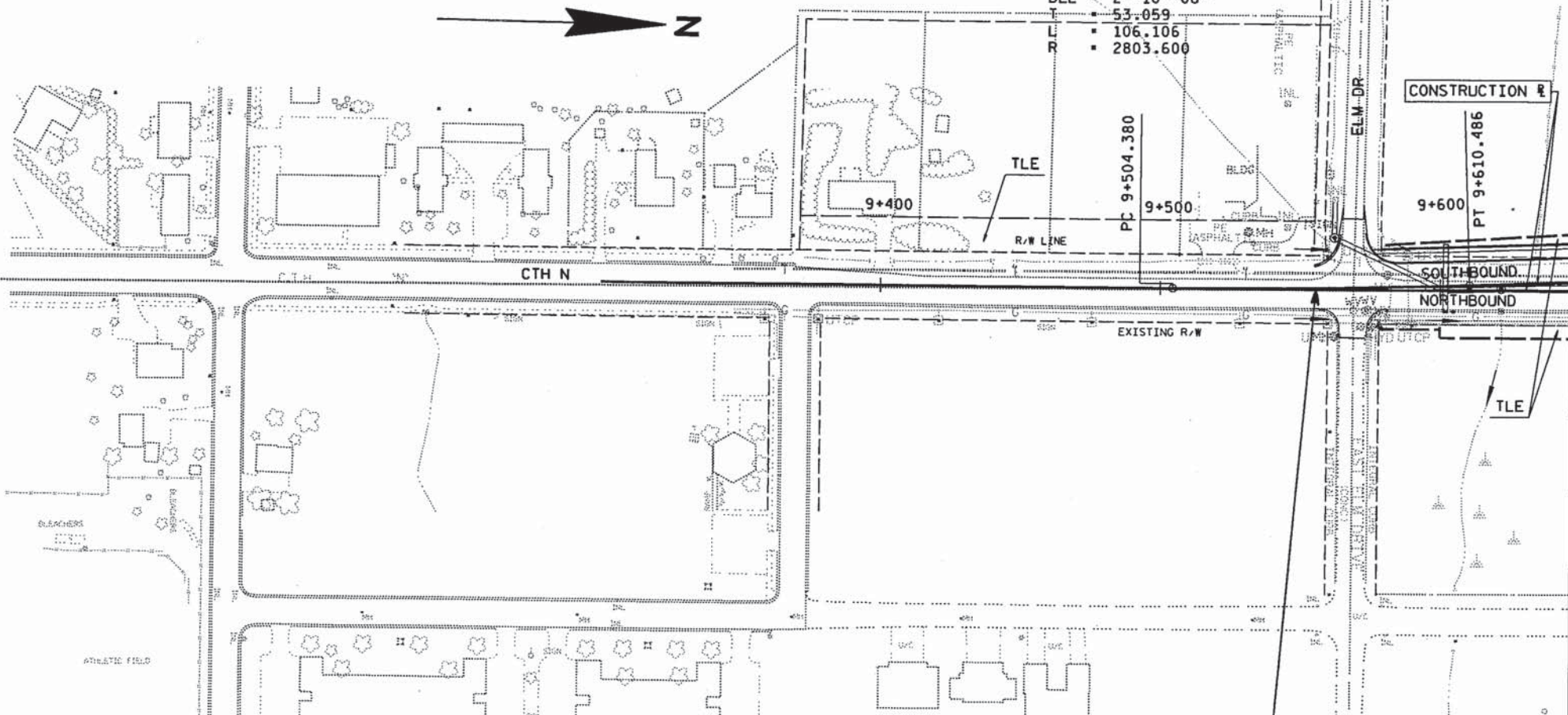
ORIGINATOR: District 3



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
601	9+542	CH. 50 AT NW BLDG COR CAR WASH 92m 92m E ON E ELM DR 17m S	219.874

SOUTHBOUND
CURVE NOTES

PI	9+557.439
Y	52566.548
X	734629.881
DEL	2°-10'-06"
T	53.059
L	106.106
R	2803.600



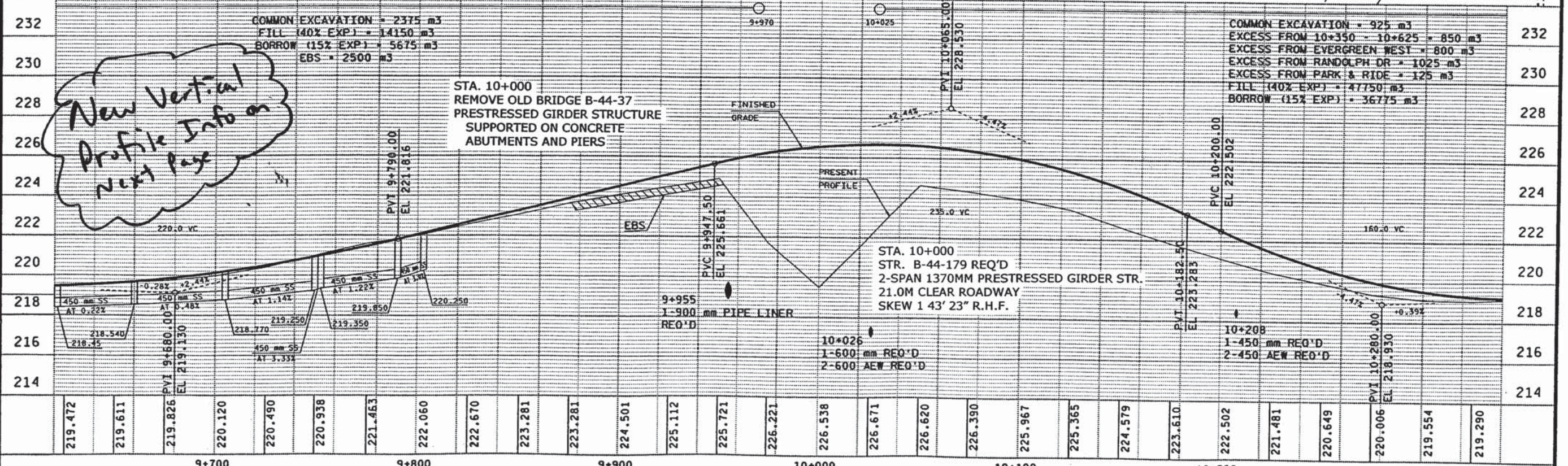
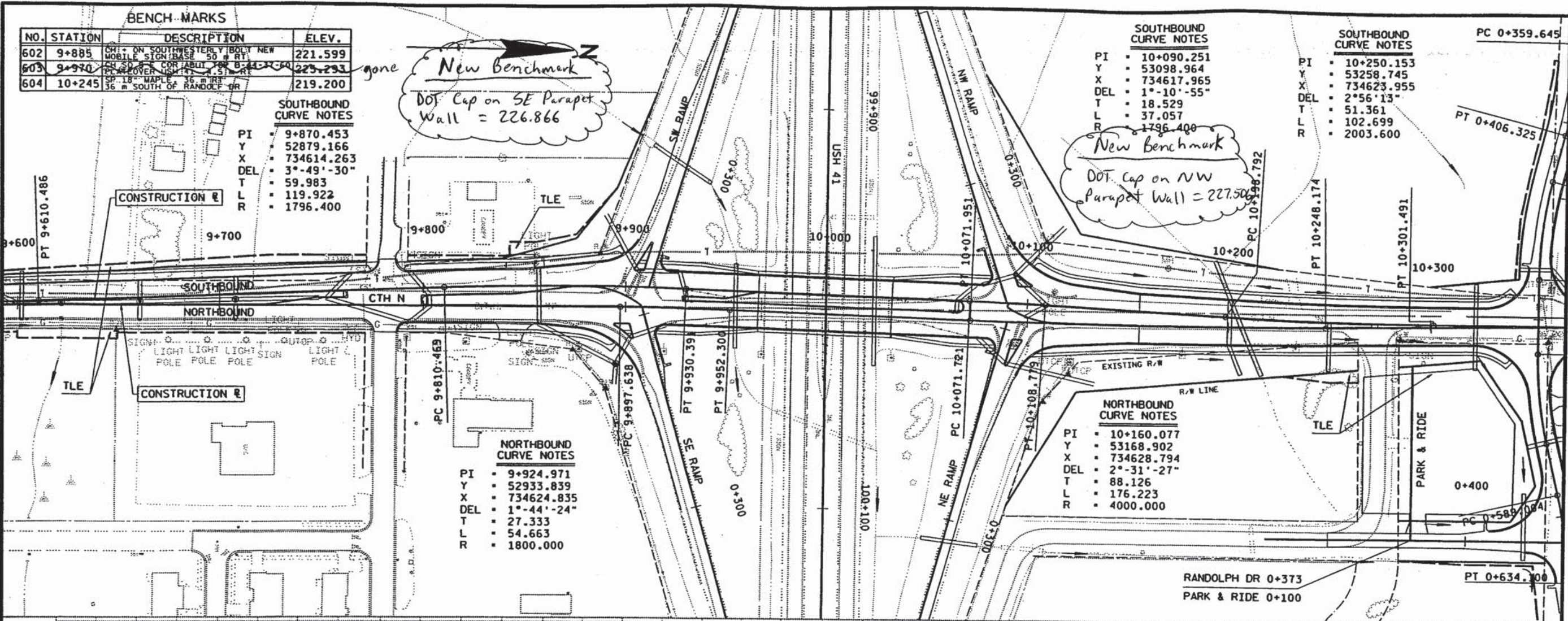
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
602	9+885	CH. + ON SOUTHWESTERLY BOLT NEW MOBILE SIGN BASE 50' N RT	221.599
603	9+970	CH. + ON SOUTHWESTERLY BOLT NEW MOBILE SIGN BASE 50' N RT	225.293
604	10+245	SP. 18" MAPLE 36" N RT 36" S SOUTH OF RANDOLPH DR	219.200

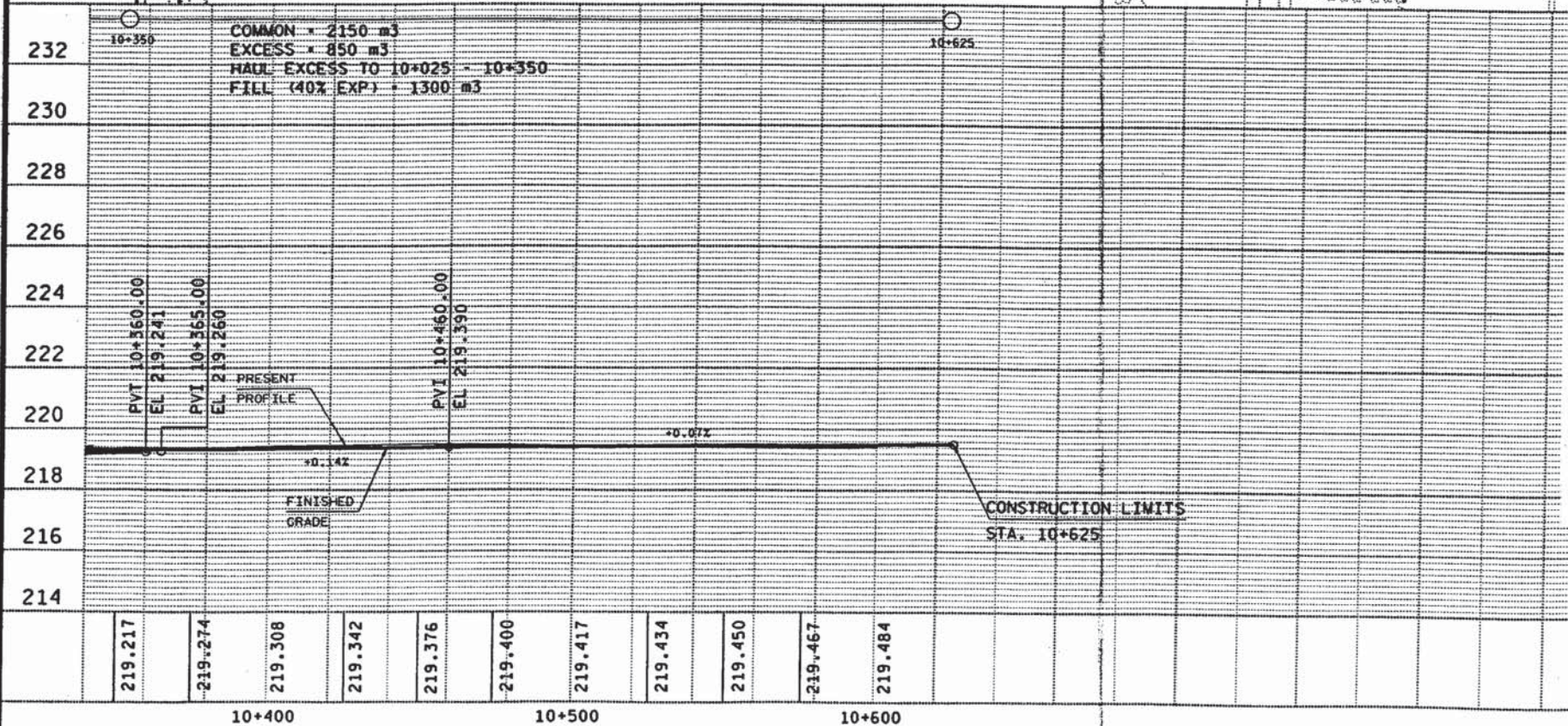
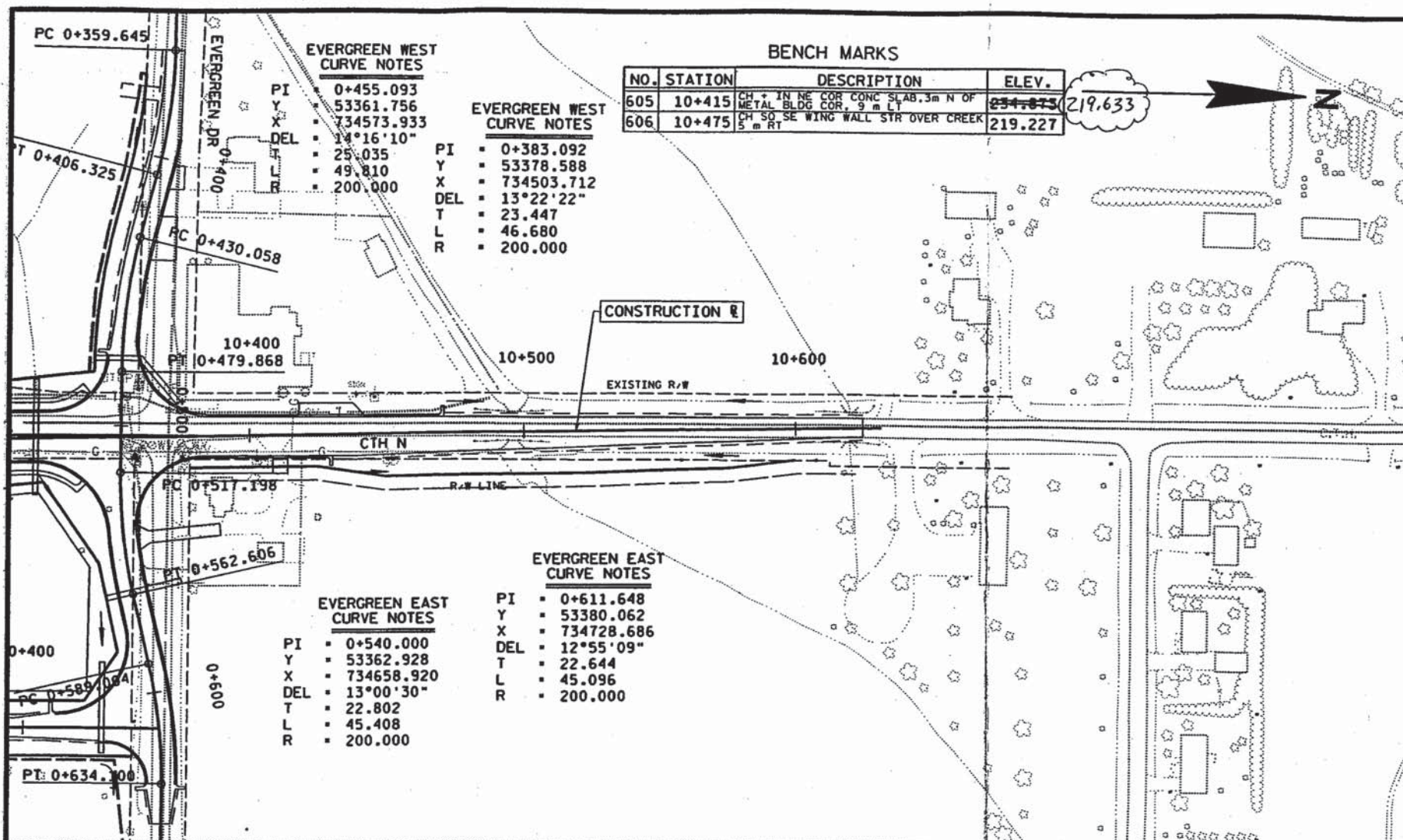
SOUTHBOUND CURVE NOTES			
PI	9+870.453		
Y	52879.166		
X	734614.263		
DEL	3°-49'-30"		
T	59.983		
L	119.922		
R	1796.400		

NORTHBOUND CURVE NOTES			
PI	9+924.971		
Y	52933.839		
X	734624.835		
DEL	1°-44'-24"		
T	27.333		
L	54.663		
R	1800.000		

SOUTHBOUND CURVE NOTES			
PI	10+090.251		
Y	53098.964		
X	734617.965		
DEL	1°-10'-55"		
T	18.529		
L	37.057		
R	1796.400		

SOUTHBOUND CURVE NOTES			
PI	10+250.153		
Y	53258.745		
X	734623.955		
DEL	2°-56'-13"		
T	51.361		
L	102.699		
R	2003.600		





New CTH N Profile

ROAD CALC -Centerline				
VERT	STATION	Elevation	GRADE (%SLOPE)	DISTANCE
BOP	9555.000	219.603	-0.56	20.000
1	9575.000	219.490	0.27	50.000
2	9625.000	219.627	0.48	50.000
3	9675.000	219.866	0.96	25.000
4	9700.000	220.105	1.50	25.000
5	9725.000	220.480	2.34	25.000
6	9750.000	221.065	2.07	50.000
7	9800.000	222.099	2.40	100.000
8	9900.000	224.501	2.44	165.000
9	10065.000	228.530	-4.47	135.000
10	10200.000	222.502	-4.17	60.000
11	10260.000	220.000	-0.60	65.000
12	10325.000	219.610	-0.30	150.000
13	10475.000	219.160	0.23	150.000
EOP	10625.000	219.506		

CURVE NUMBER 1 SAG

VERTICAL CURVE DATA

L = 20.000
K = 23.838
E = 0.021

STATIONS AND ELEVATIONS

	STATION	ELEVATION ON CURVE	ELEVATION ON TANGENT
VPC	9565.000	219.547	
VPI	9575.000	219.511	219.490
VPT	9585.000	219.517	

CURVE NUMBER 5 SAG

VERTICAL CURVE DATA

L = 20.000
K = 23.810
E = 0.021

STATIONS AND ELEVATIONS

	STATION	ELEVATION ON CURVE	ELEVATION ON TANGENT
VPC	9715.000	220.330	
VPI	9725.000	220.501	220.480
VPT	9735.000	220.714	

Curve Number 7 Crest

L = 235.000
K = 34.023
E = -2.029

STATIONS AND ELEVATIONS

	STATION	ELEVATION ON CURVE	ELEVATION ON TANGENT
VPC	9947.500	225.661	
VPI	10065.000	226.501	228.530
VPT	10182.500	223.283	

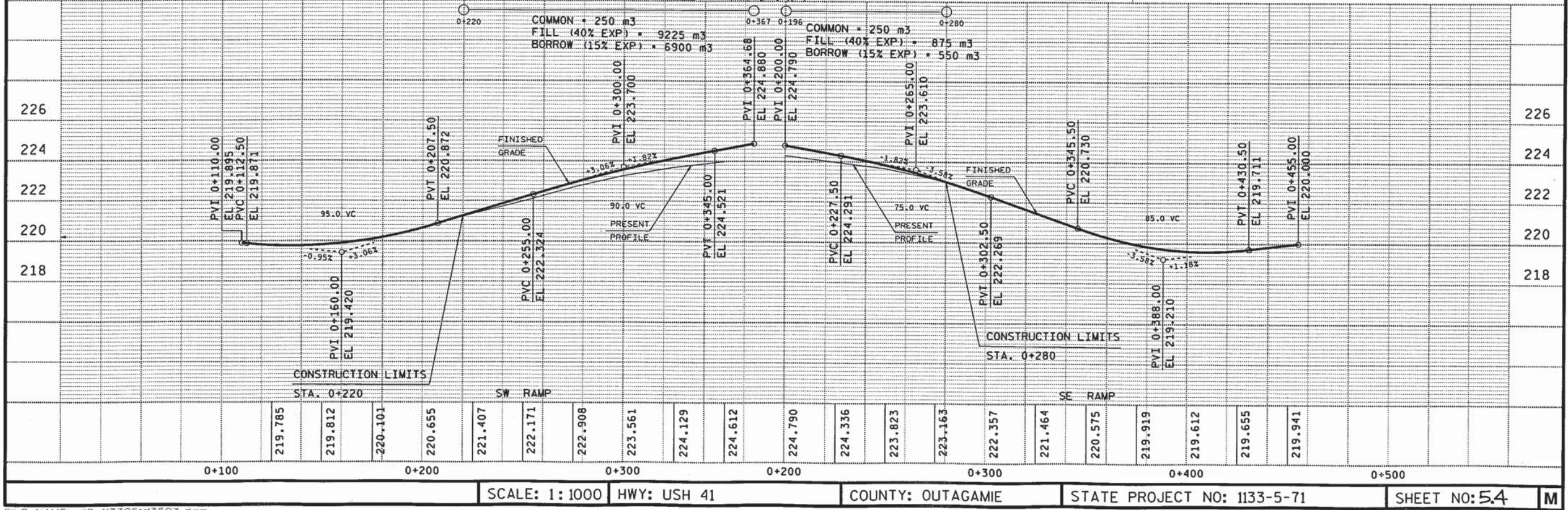
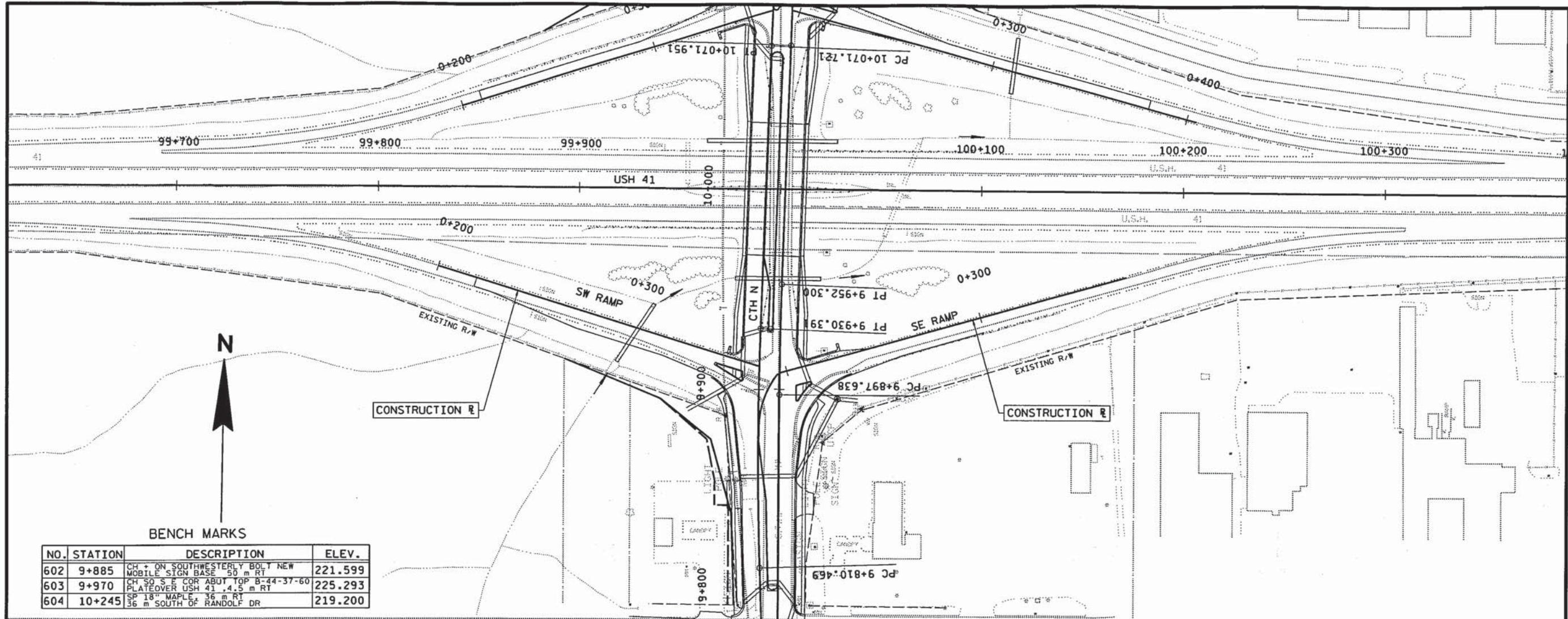
CURVE NUMBER 11 SAG

VERTICAL CURVE DATA

L = 100.000
K = 28.011
E = 0.446

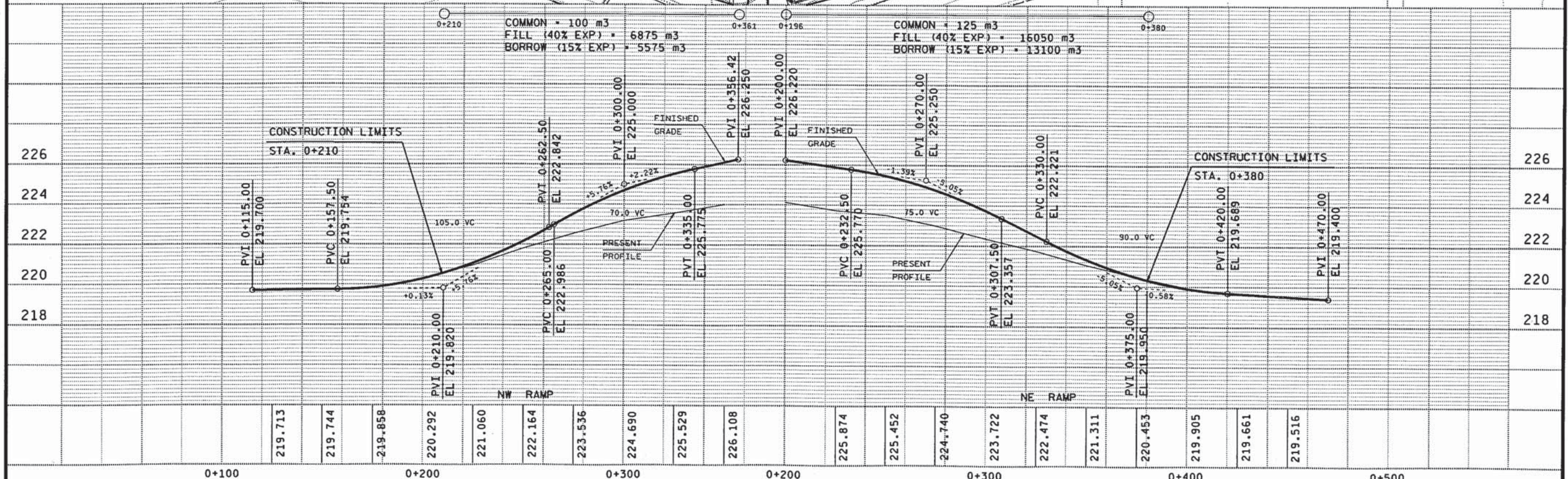
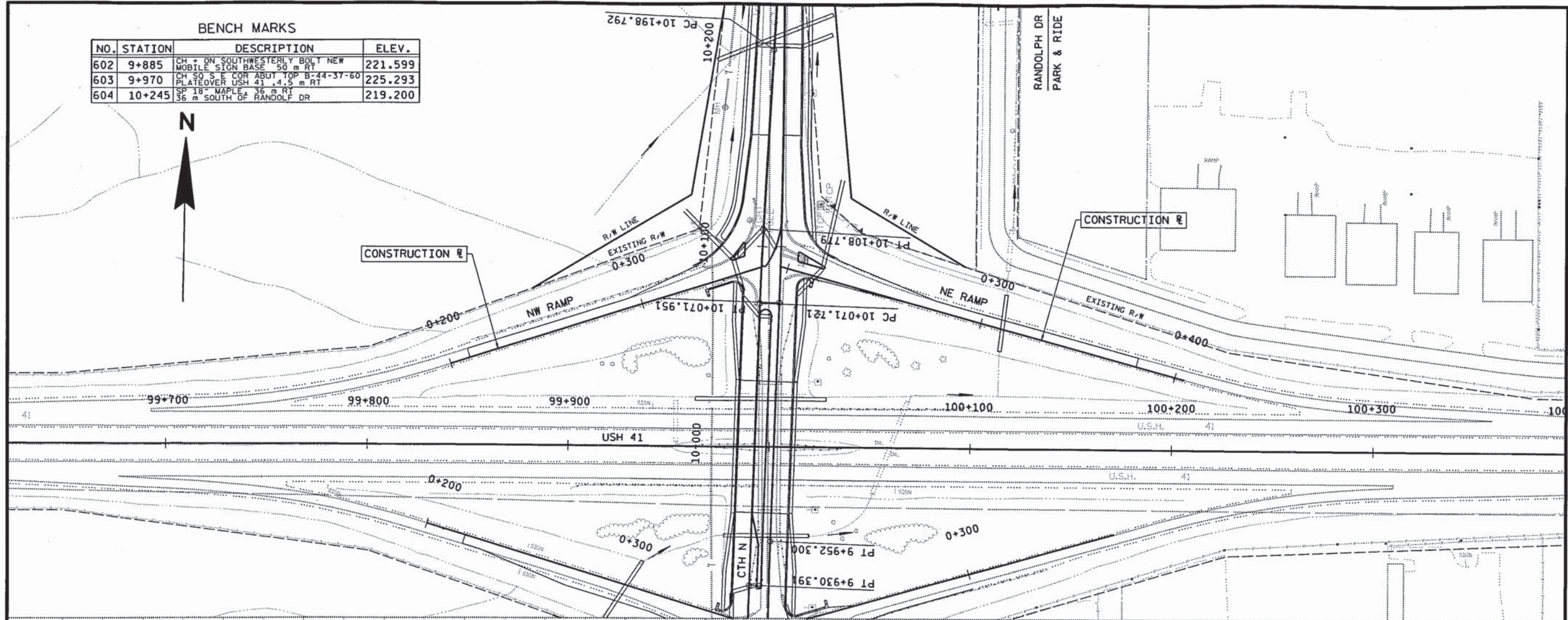
STATIONS AND ELEVATIONS

	STATION	ELEVATION ON CURVE	ELEVATION ON TANGENT
VPC	10210.000	222.085	
VPI	10260.000	220.446	220.000
VPT	10310.000	219.700	



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
602	9+885	CH + ON SOUTHWESTERLY BOLT NEW MOBILE SIGN BASE 50 m RT	221.599
603	9+970	CH 50 S E COR ABUT TOP B-44-37-60 PLATEOVER USH 41 4.5 m RT	225.293
604	10+245	SP 18" MAPLE 36 m RT 36 m SOUTH OF RANDOLPH DR	219.200



SCALE: 1:1000 HWY: USH 41

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-5-71

SHEET NO: 5.5

M

NO.	STATION	DESCRIPTION	ELEV.
604	10+245	SP 18" MAPLE, 36" RT 56" SOUTH OF RANDOLF DR	219.200
605	10+415	CH 7" IN NE COR CONC SLAB, 3m N OF METAL BLDG COR, 9 m LT	219.633
606	10+475	CH SO SE WING WALL STR OVER CREEK 5 m RT	219.227



New W. Evergreen Profile

VERT	PI	STATION	Elevation	GRADE (%SLOPE)	DISTANCE
BOP		359.000	219.360		
1		455.000	219.037	-0.34	96.000
EOP		503.600	219.523	1.00	48.600

CURVE NUMBER 1 SAG

VERTICAL CURVE DATA

L =	30.000
K =	22.447
E =	0.050

STATIONS AND ELEVATIONS

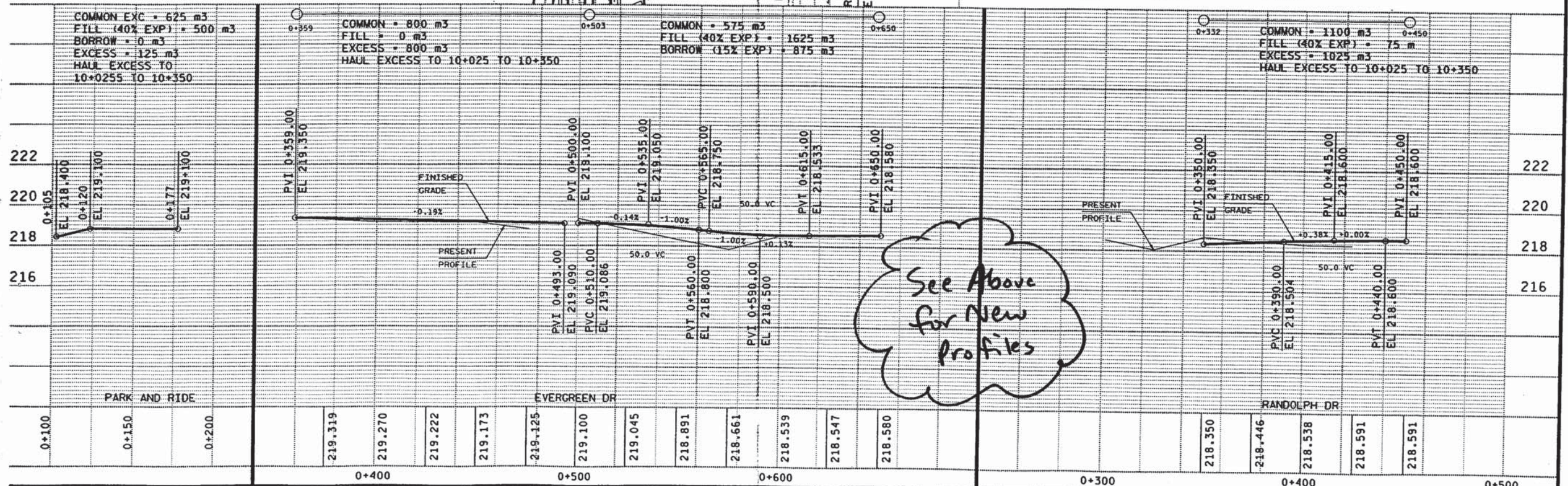
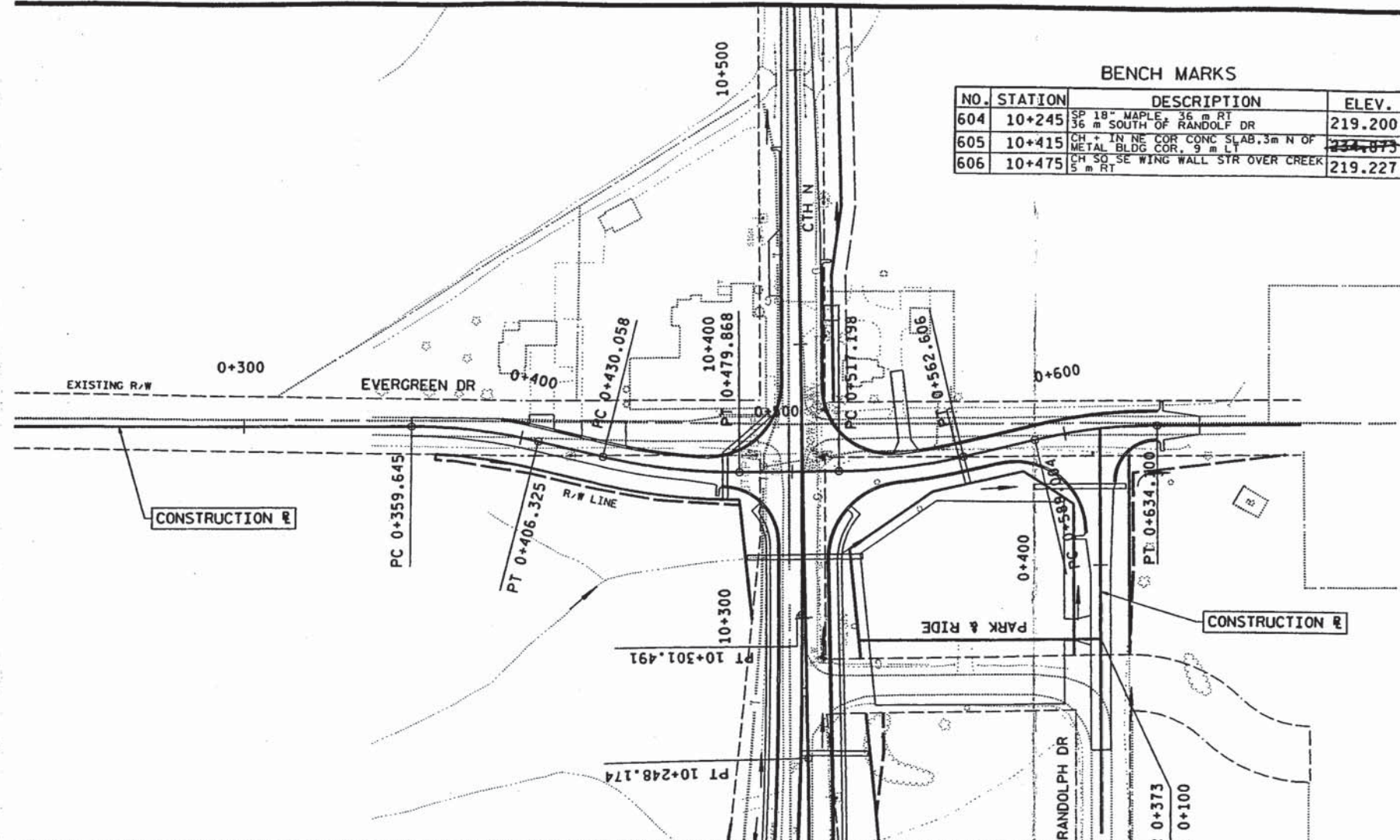
	STATION	ELEVATION ON CURVE	ELEVATION ON TANGENT
VPC	440.000	219.087	
VPI	455.000	219.087	219.037
VPT	470.000	219.187	

New E. Evergreen Profile

VERT	PI	STATION	Elevation	GRADE (%SLOPE)	DISTANCE
BOP		504.000	219.523	-1.00	26.000
1		530.000	219.263	-0.57	120.000
EOP		650.000	218.580		

New Randolph Profile

VERT	PI	STATION	Elevation	GRADE (%SLOPE)	DISTANCE
BOP		332.170	218.246	0.46	117.830
EOP		450.000	218.788		



SCALE: 1:1000 HWY: USH 41

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-5-71

SHEET NO: 5.6

M

DESIGN DATA

LIVE LOAD:

DESIGN RATING: MS-18
INVENTORY RATING: MS-22
OPERATIONAL RATING: MS-41
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 1110 kN.
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 1.0 kN/m².

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY SLAB — $f'_c = 28 \text{ MPa}$ ALL OTHER — $f'_c \geq 24 \text{ MPa}$
BAR STEEL REINFORCEMENT, AASHTO M-42M, GRADE 420 — $f_y = 420 \text{ MPa}$
1370mm PRESTRESSED GIRDERS, CONCRETE MASONRY — $f'_c = 42 \text{ MPa}$
STRANDS - 13mm DIA. WITH ULTIMATE TENSILE STRENGTH OF 1860 MPa

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 250 x 62 STEEL PILING DRIVEN TO A MINIMUM BEARING VALUE OF 490 kN PER PILE. ESTIMATED 15.0m LONG. PILE POINTS REQUIRED
PIER TO BE SUPPORTED ON HP 250 x 62 STEEL PILING DRIVEN TO A MINIMUM BEARING VALUE OF 490 kN PER PILE. ESTIMATED 10.0m LONG. PILE POINTS REQUIRED

TRAFFIC VOLUME

C.T.H. N U.S.H. 41
A.D.T.=21,650 (2017) A.D.T.=49,625 (2017)
R.D.S.= 60 km/h R.D.S.=110 km/h

BENCHMARK

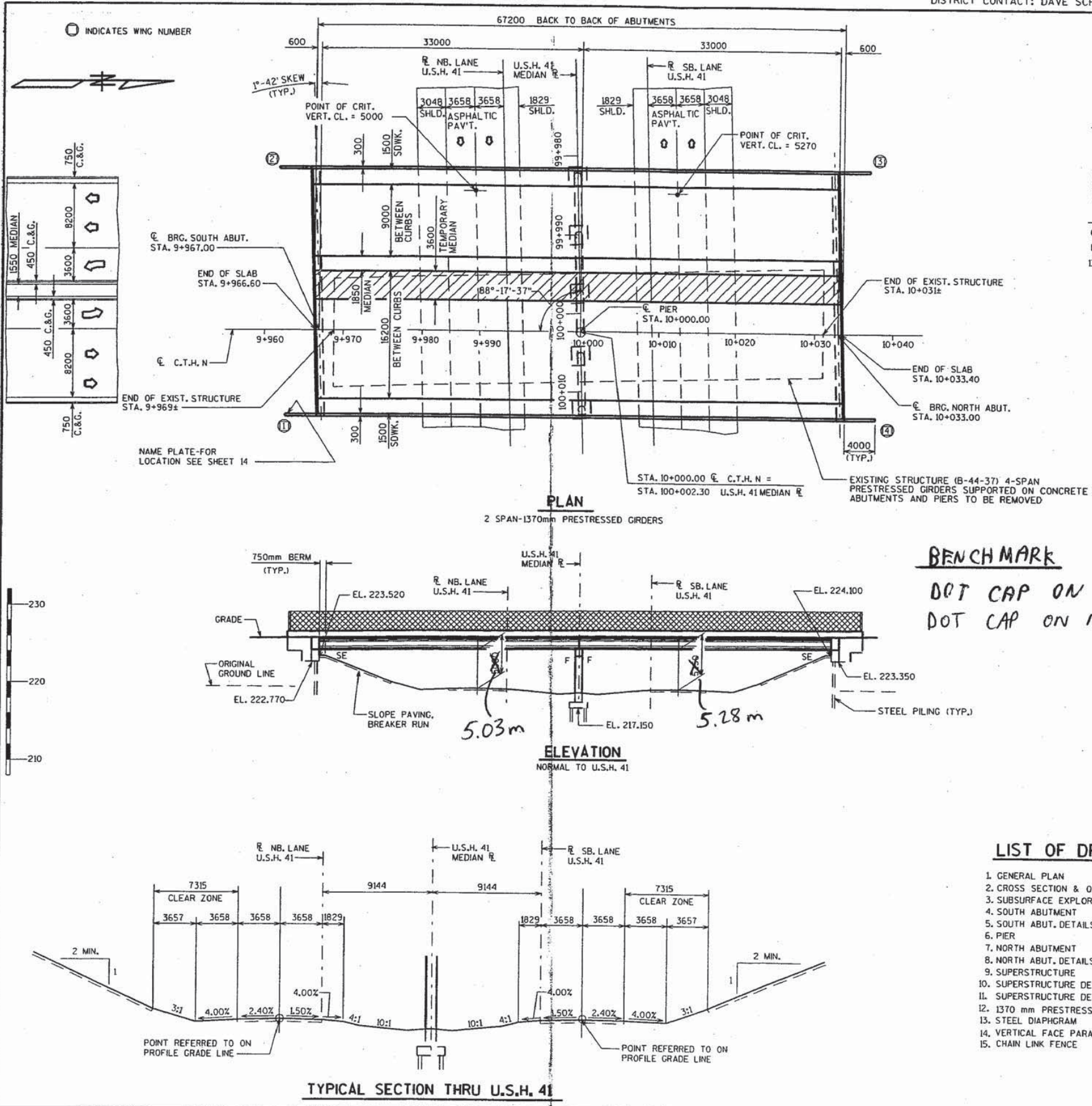
DOT CAP ON SE PARAPET WALL = 226.866
DOT CAP ON NW PARAPET WALL = 227.506

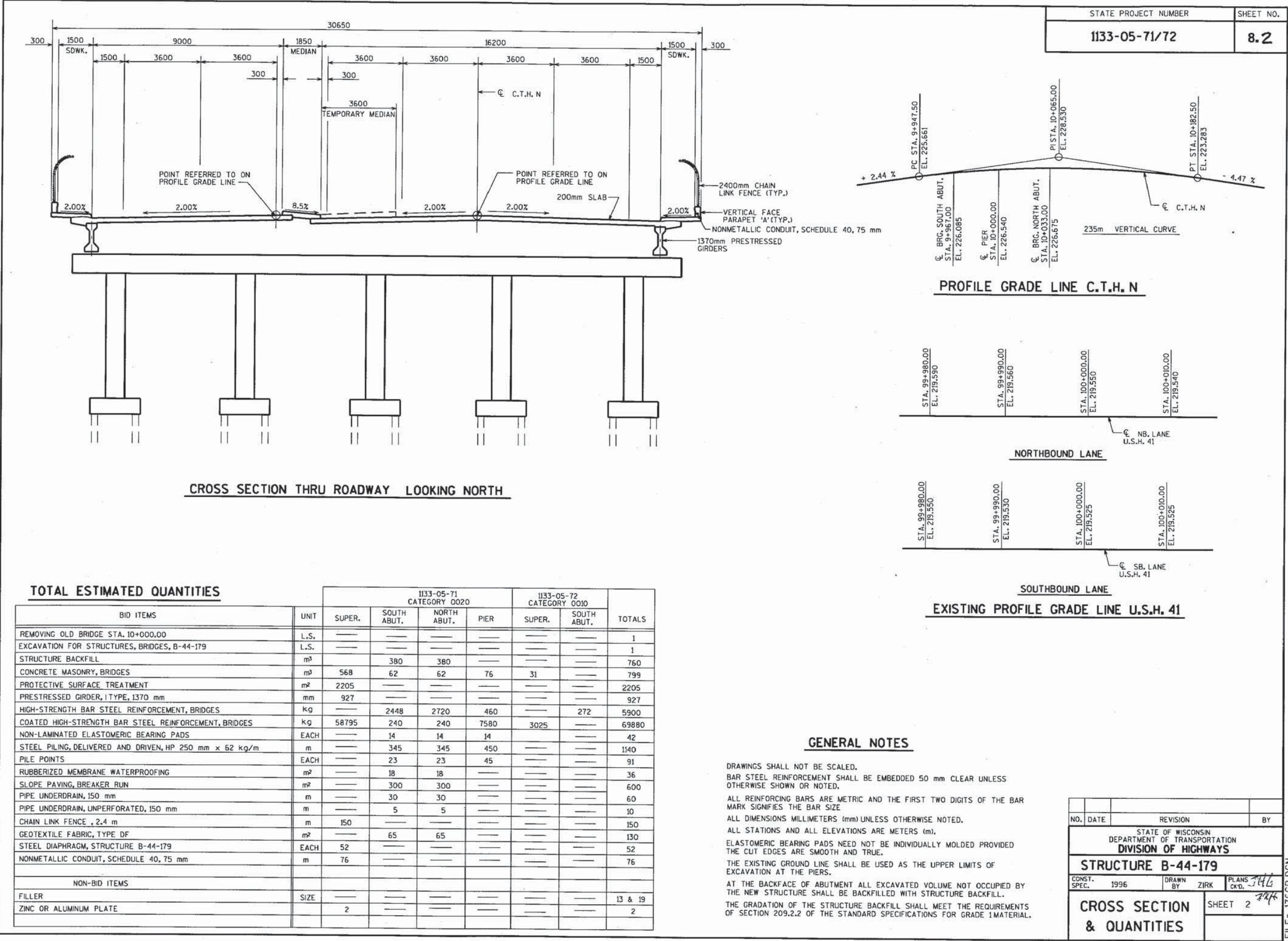
BRIDGE OFFICE CONTACT :
FINN HUBBARD (608) 266-8489
DAVE KIEKBUSCH (608) 266-5084

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. SOUTH ABUTMENT
5. SOUTH ABUT. DETAILS
6. PIER
7. NORTH ABUTMENT
8. NORTH ABUT. DETAILS
9. SUPERSTRUCTURE
10. SUPERSTRUCTURE DETAILS
11. SUPERSTRUCTURE DETAILS
12. 1370 mm PRESTRESSED GIRDER DETAILS
13. STEEL DIAPHRAGM
14. VERTICAL FACE PARAPET "A"
15. CHAIN LINK FENCE

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
C.T.H. N OVER U.S.H. 41			
COUNTY	OUTAGAMIE	VILLAGE: LITTLE CHUTE	TOWNSHIP: VAN DEN BROEK
DESIGN SPEC.	AASHTO 1996	LOAD MS-18	CONST. SPEC. 1996
DESIGNED BY	D.J.K.	DESIGN CKD.	K.T.N.
DRAWN BY	ZIRK	PLANS CKD.	JHG
APPROVED	M.H. Anderson 05-10-01		
	CHIEF BRIDGE DESIGN ENGINEER		
GENERAL PLAN			SHEET 1 OF 15
			DATE: NOV. 96





ABBREVIATIONS		
F—Fine	M—Medium	C—Coarse
Ws—Weathered	So—Sound	
MATERIAL SYMBOLS		
 Topsoil	 Silt	 Sandstone
 Sand	 Peat	 Limestone
 Gravel	 Clay	 Igneous Rock

LEGEND OF PROBING	
95/152=95 Blows for 152mm Penetration Probing taken with a 159.1Kg Wt. Falling 457mm on a 51mm O.D. Point.	Probing No. Sta. Elevation 7 Average Blows Per 305mm Refusal 95/152

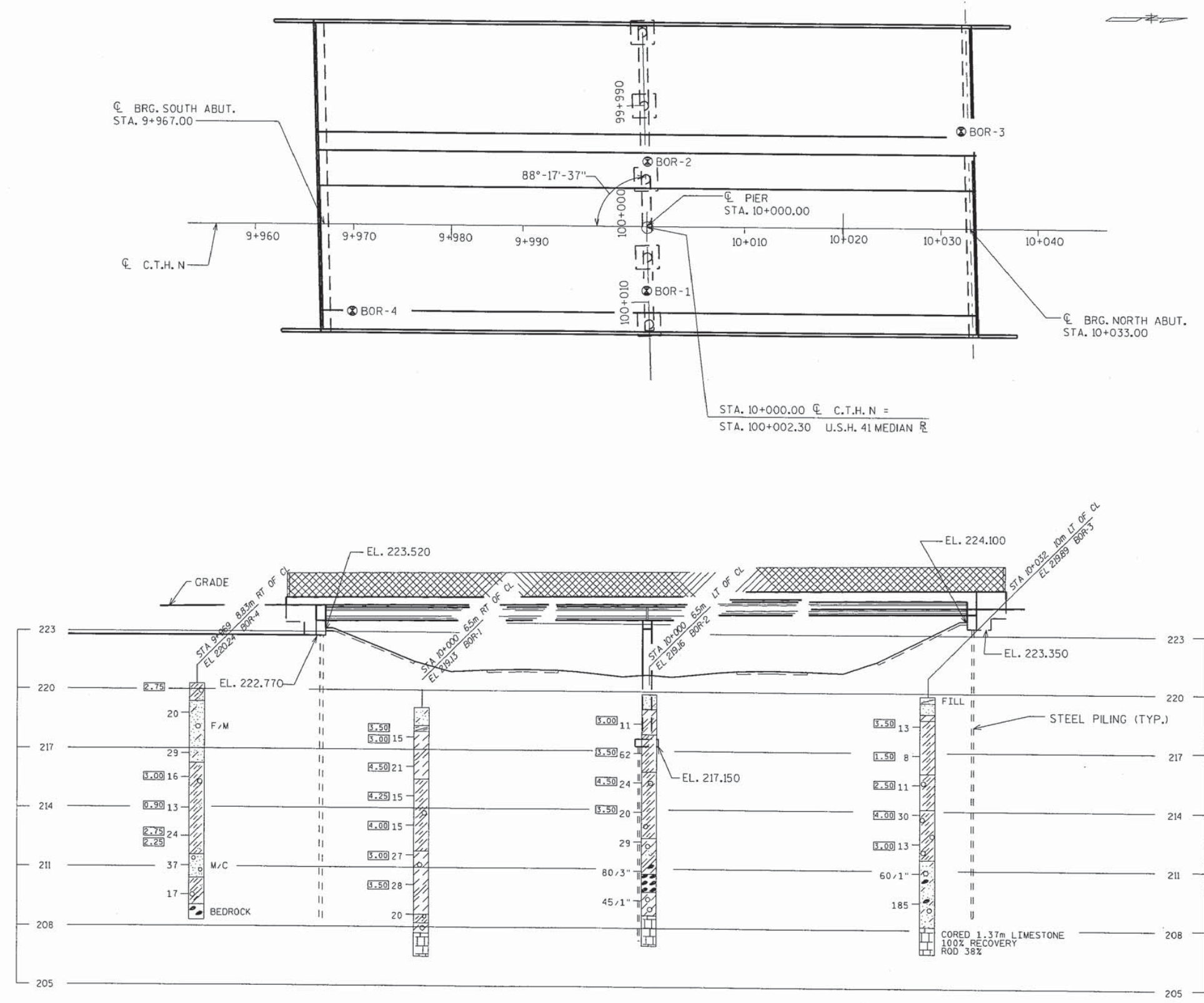
LEGEND OF BORING	
Unconfined Strength kPa → 770	Boring No. Sta. Elev.
Blows Per 300mm Using 63 Kg Wt. Falling 760mm	Sandy Gravel
Wash Sample	F Boulders or Cobbles
Shelby Tube—S.T.	Sand
Ground Water Elevation	Silty Clay
No Ground Water Observed Above This Elevation	So Limestone

Unless otherwise specified, the blows per 300mm at the locations indicated are based on driving a 51mm O.D. x 35mm I.D. split spoon sampler with a 63Kg hammer having a free fall of 760mm. The blow count is taken in undisturbed soil immediately below a closed or open hole eliminating side friction on the drive pipe.

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

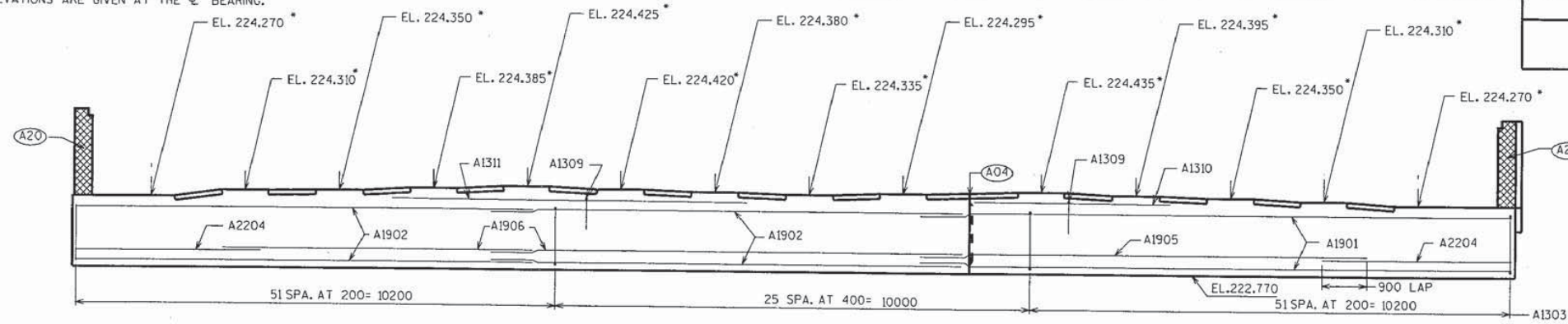
To obtain relative data concerning the character of material in and upon which the foundation might be built borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY MJP/ZIRK	PLANS CK'D. JHK
SUBSURFACE EXPLORATION		SHEET 3	



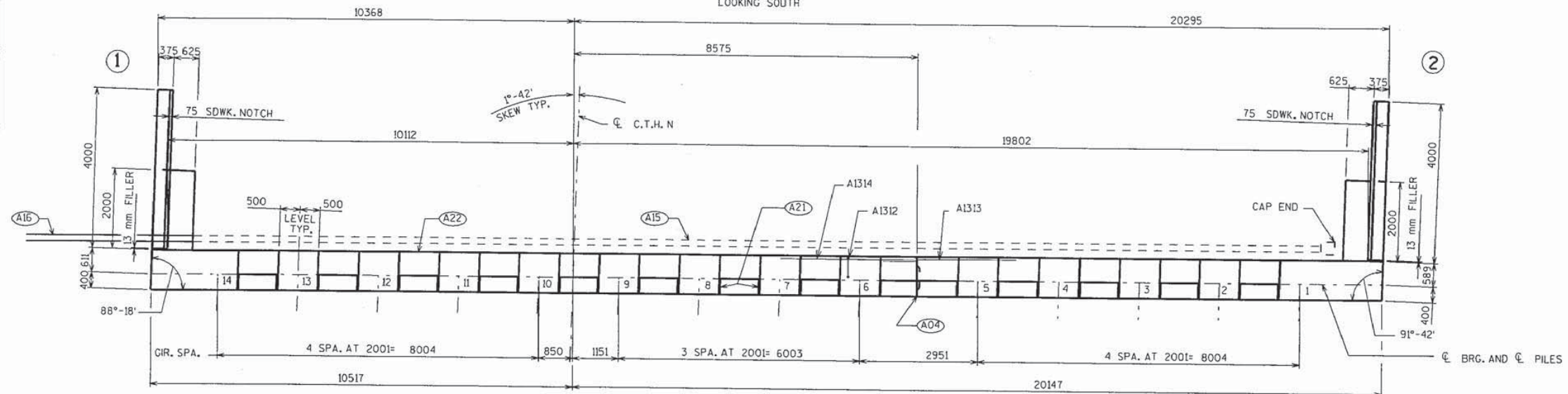
* ELEVATIONS ARE GIVEN AT THE ϕ BEARING.

STATE PROJECT NUMBER	SHEET NO.
1133 -05-71,72	8.4

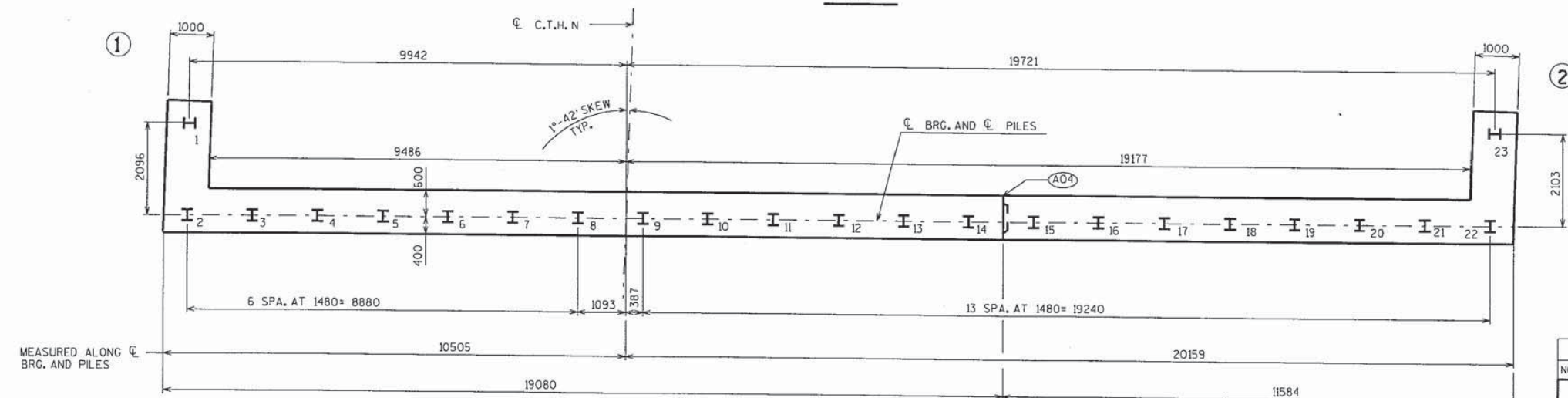


ELEVATION

LOOKING SOUTH



PLAN



PILE PLAN

(A04) VERT. CONSTRUCTION JOINT: KEYWAY FORMED BY A SURFACED BEVELED 38 mm x 140 mm, (19 mm "V" GROOVE @ THE FRONT FACE) (R.M.W. @ BACKFACE)

(A15) PIPE UNDERDRAIN, 150 mm. SLOPE TO DRAIN.

(A16) PIPE UNDERDRAIN, 150 mm. UNPERFORATED, TO SUITABLE DRAINAGE.

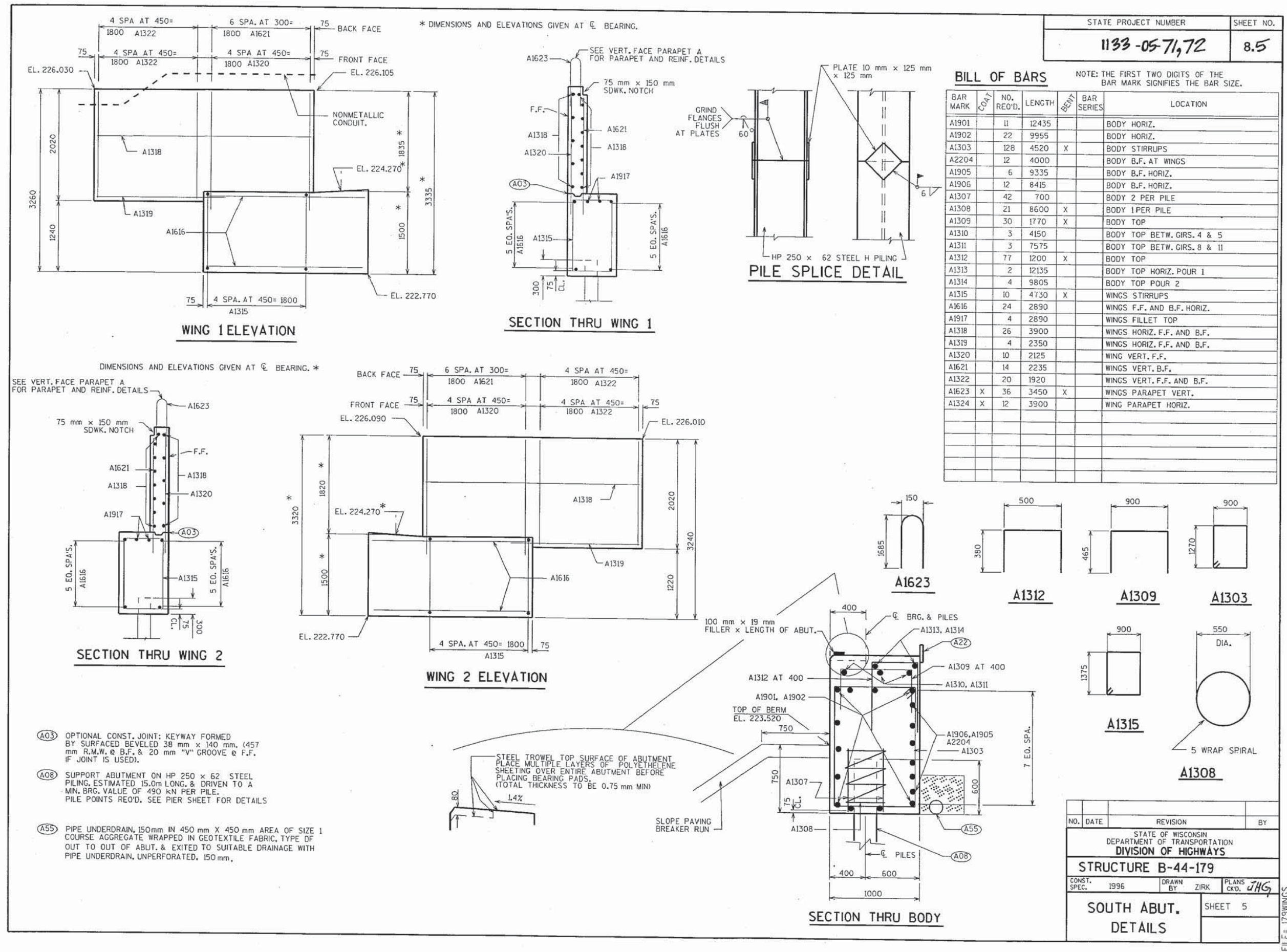
(A20) 13 mm FILLER INCLUDED IN WING LENGTH; SEAL EXPOSED HORIZ. & VERT. SURFACES OF 13 mm FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER, (25 mm DEEP AND HOLD 3 mm BELOW SURFACE OF CONCRETE). EXTEND SEALER 75 mm BELOW GUTTER LINE AT INSIDE FACE.

(A21) 19 mm CORK UP VERT. FACES OF BEAM SEATS.

(A22) 457 mm (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY ZIRK	PLANS CK'D. JHG
SOUTH ABUTMENT			SHEET 4

FILE: 179ABUT
SCALE =



NOTE: ELEVATIONS ARE GIVEN AT THE C. OF PIER.

STATE PROJECT NUMBER

SHEET NO.

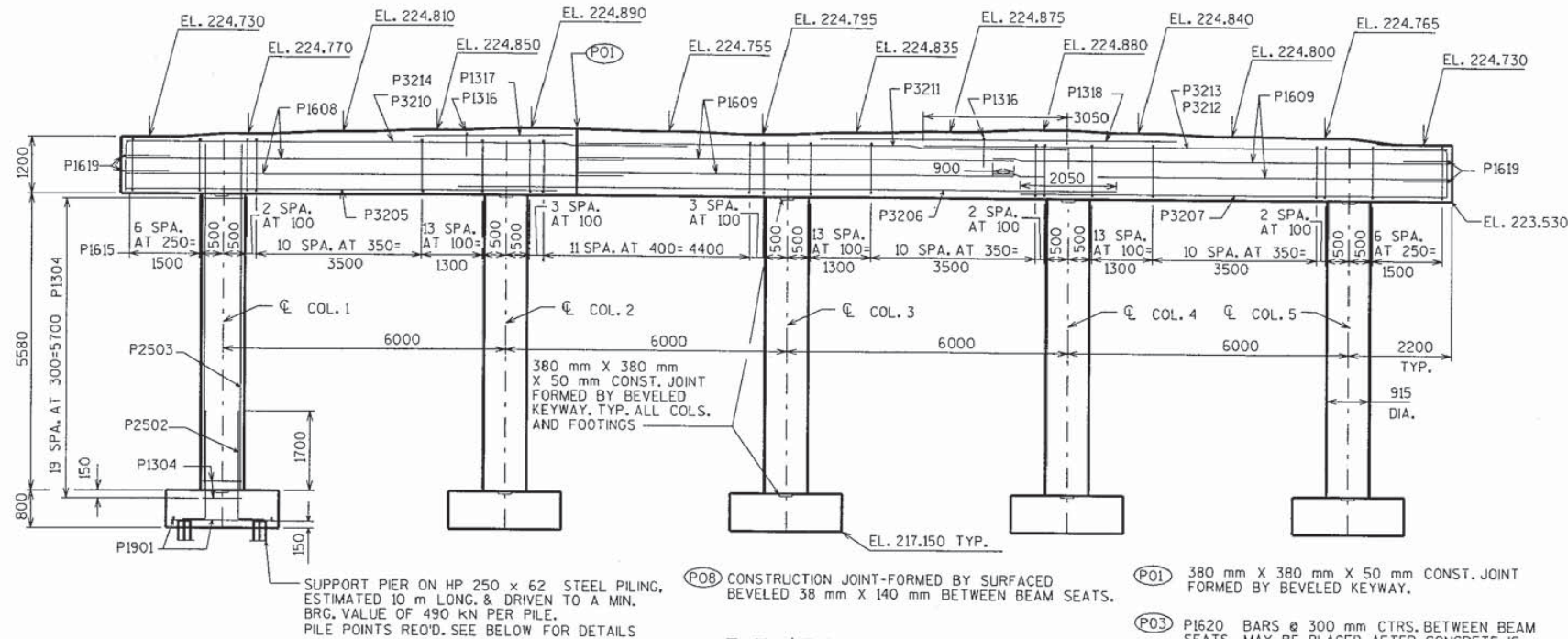
1133-05-71

8.6

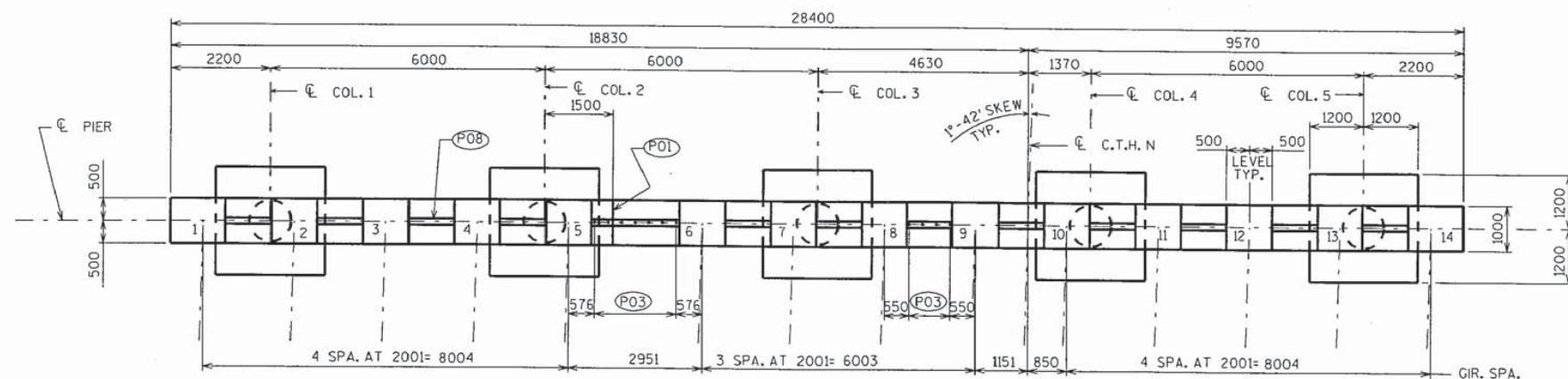
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

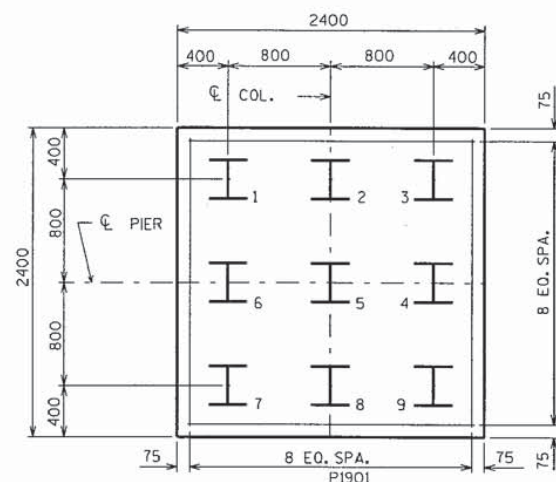
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BUNDLE	LOCATION
P1901		90	2300			FOOTINGS
P2502	X	60	2690	X		FOOTINGS AND COL. DOWELS
P2503	X	60	6630			COL. VERT.
P1304	X	100	2770	X		FOOTING AND COL. HOOPS
P3205	X	6	9225			CAP HORIZ. BOT.
P3206	X	6	14050			CAP HORIZ. BOT.
P3207	X	6	9225			CAP HORIZ. BOT.
P1608	X	4	10600			CAP HORIZ. SIDES
P1609	X	8	9750			CAP HORIZ. SIDES
P3210	X	5	12000		X	CAP HORIZ. TOP
P3211	X	10	10850		X	CAP HORIZ. TOP
P3212	X	5	10850		X	CAP HORIZ. TOP
P3213	X	5	11870	X	X	CAP HORIZ. TOP
P3214	X	5	13020	X	X	CAP HORIZ. TOP
P1615	X	220	3680	X		CAP STIRRUPS
P1316	X	49	1410	X		CAP BETW. GIRS. 4-5 & 8-11
P1317	X	3	3410			CAP BETW. GIRS. 4-5
P1318	X	3	7600			CAP BETW. GIRS. 8-11
P1619	X	4	2160	X		CAP AT ENDS
P1620	X	55	600			CAP VERT. DOWELS BETW. GIRS



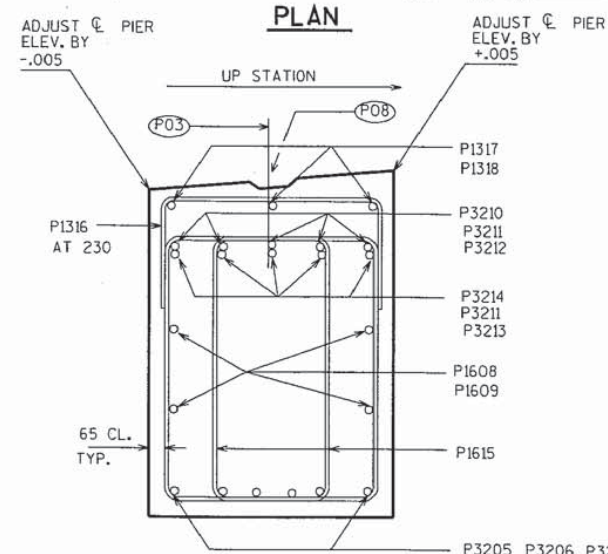
ELEVATION
LOOKING NORTH



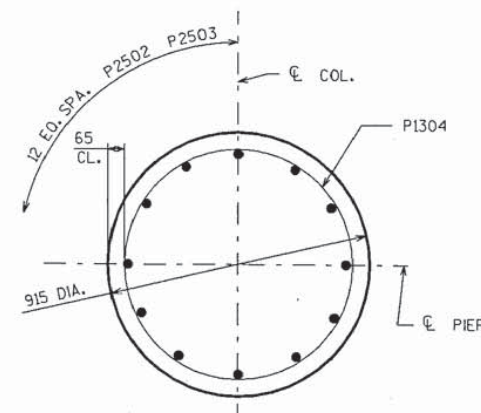
PLAN



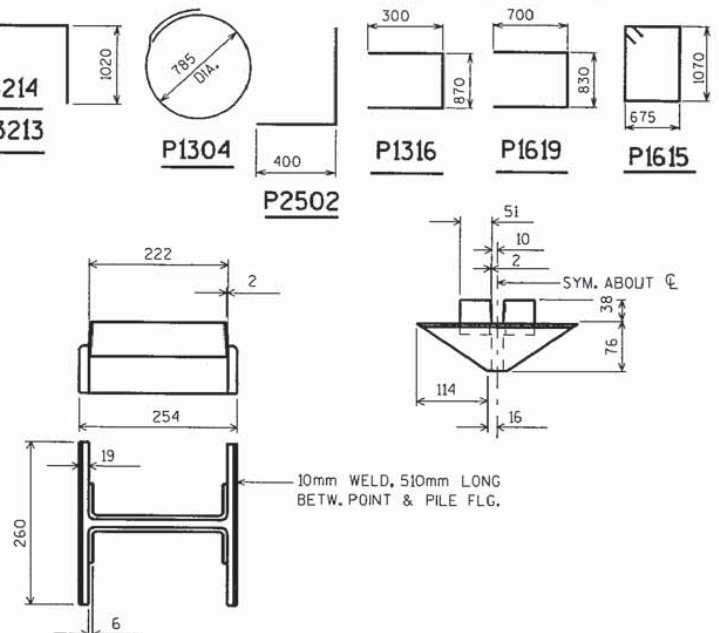
FOOTING PLAN



TYP. SECTION THRU CAP



SECTION THRU COL.



POINT NOTES

1. MATERIAL = CAST STEEL (ASTM A-27-84-65-35)
2. ALL FILLETS = 10mm
3. ALL WELDS BETW. PILE & POINT TO BE IN ACCORDANCE WITH AWS SPEC'S. WELD FLANGES TO FITTING ON OUTSIDE FACES.
4. CONTRACTOR MAY USE AN ALTERNATE DESIGN UPON APPROVAL OF THE ENGINEER.

PILE POINT DETAIL

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY	ZIRK
		PLANS CKD.	JH
PIER			SHEET 6

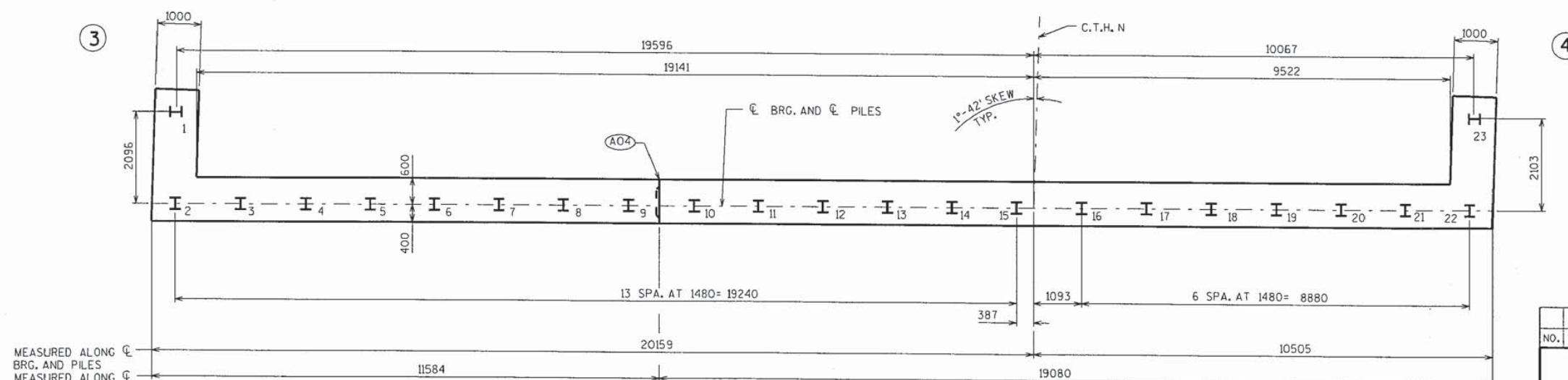
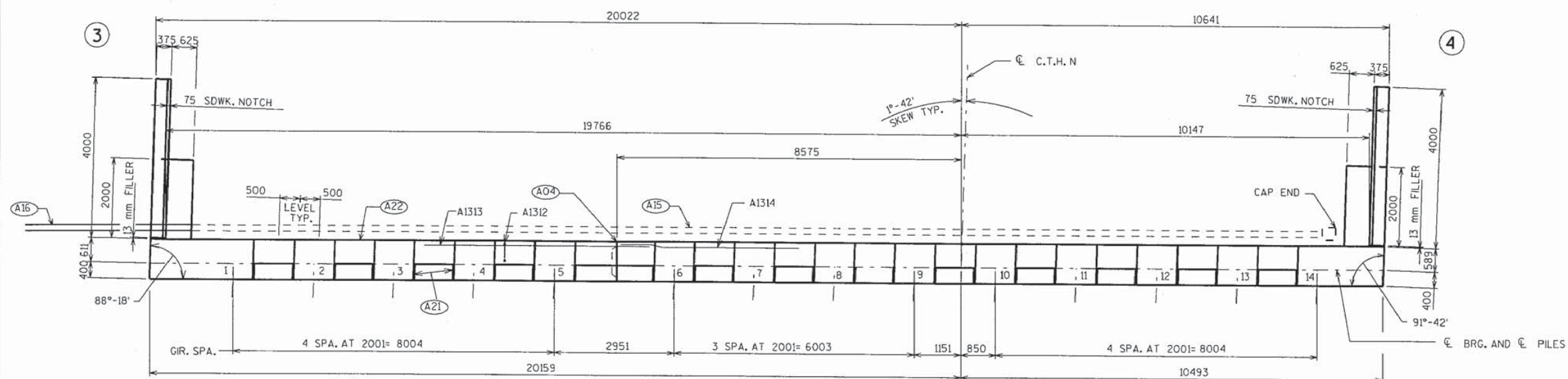
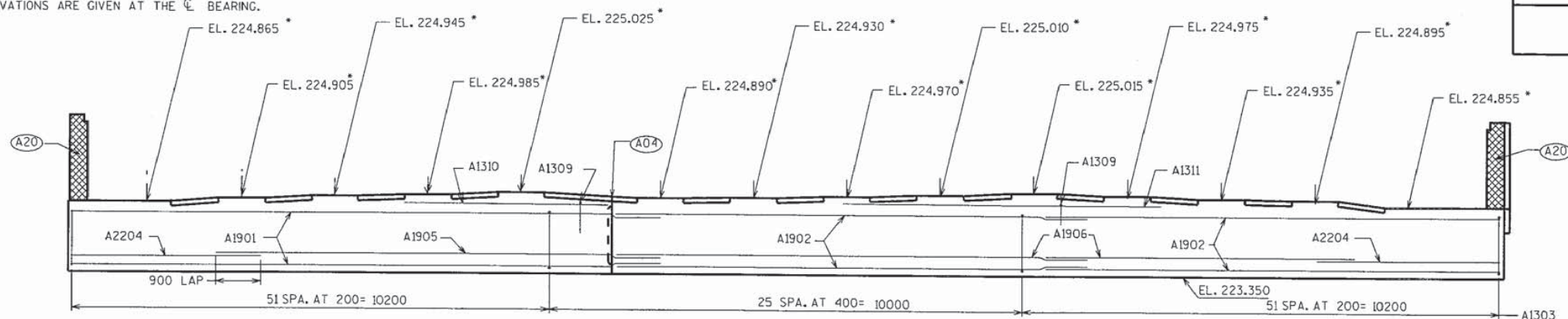
BUNDLING DETAIL

FILE= 179PIER
SCALE = 65

1133 -05-71

8.7

* ELEVATIONS ARE GIVEN AT THE $\odot$ BEARING.



MEASURED ALONG ϕ
BRG. AND PILES
MEASURED ALONG ϕ

(A04) VERT. CONSTRUCTION JOINT: KEYWAY FORMED BY A SURFACED BEVELED 38 mm x 140 mm, (19 mm "V" GROOVE @ THE FRONT FACE) (R.M.W. @ BACKFACE)

(A15) PIPE UNDERDRAIN, 150 mm. SLOPE TO DRAIN.

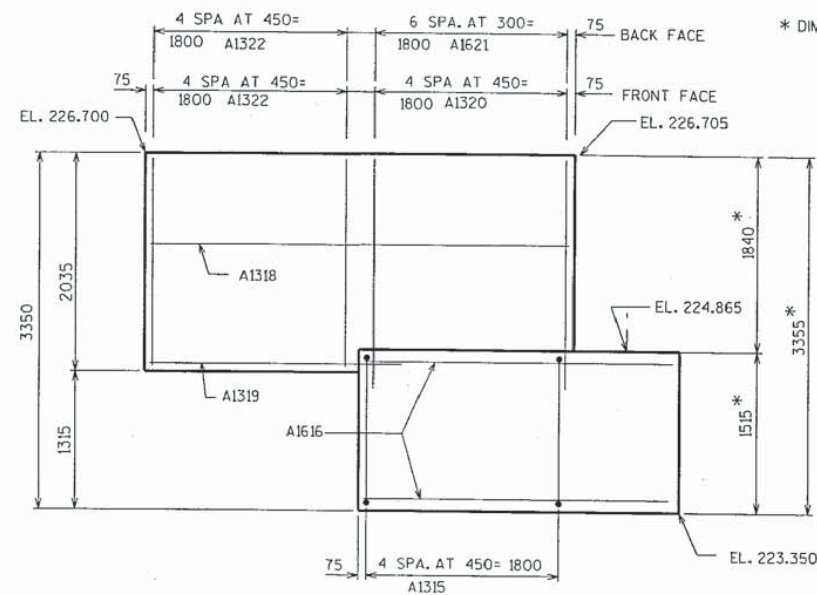
(A16) PIPE UNDERDRAIN, 150 mm, UNPERFORATED.
TO SUITABLE DRAINAGE.

(A20) 13 mm FILLER (INCLUDED IN WING LENGTH):
SEAL EXPOSED HORIZ. & VERT. SURFACES OF
13 mm FILLER WITH NON-STAINING GRAY NON-
BITUMINOUS JOINT SEALER. (25 mm DEEP AND
HOLD 3 mm BELOW SURFACE OF CONCRETE).
EXTEND SEALER 75 mm BELOW GUTTER LINE
AT INSIDE FACE.

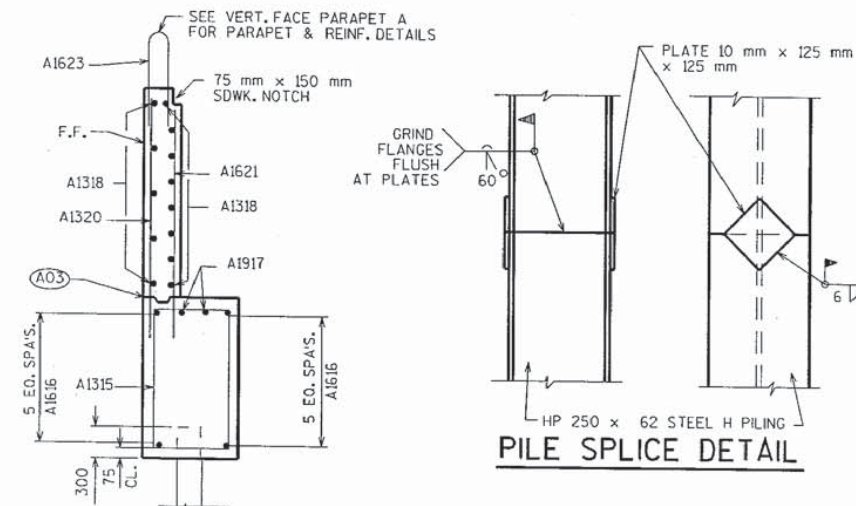
(A21) 19 mm CORK UP VERT. FACES OF BEAM SEATS.

(A22) 457 mm (RMW) RUBBERIZED MEMBRANE
WATERPROOFING SEAL ALL HORIZ. & VERT.
JOINTS AT BACKFACE.

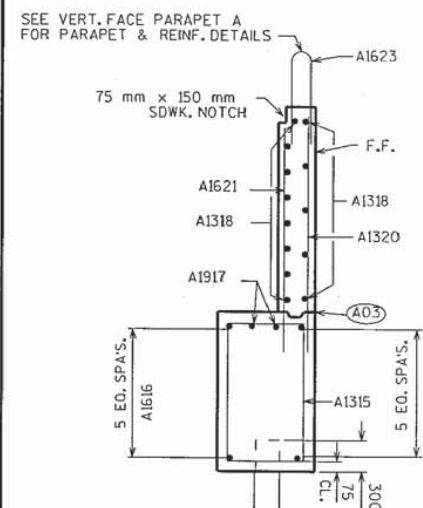
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY	ZIRK
		PLANS CK'D.	<i>JHG</i>
NORTH ABUTMENT		SHEET 7	



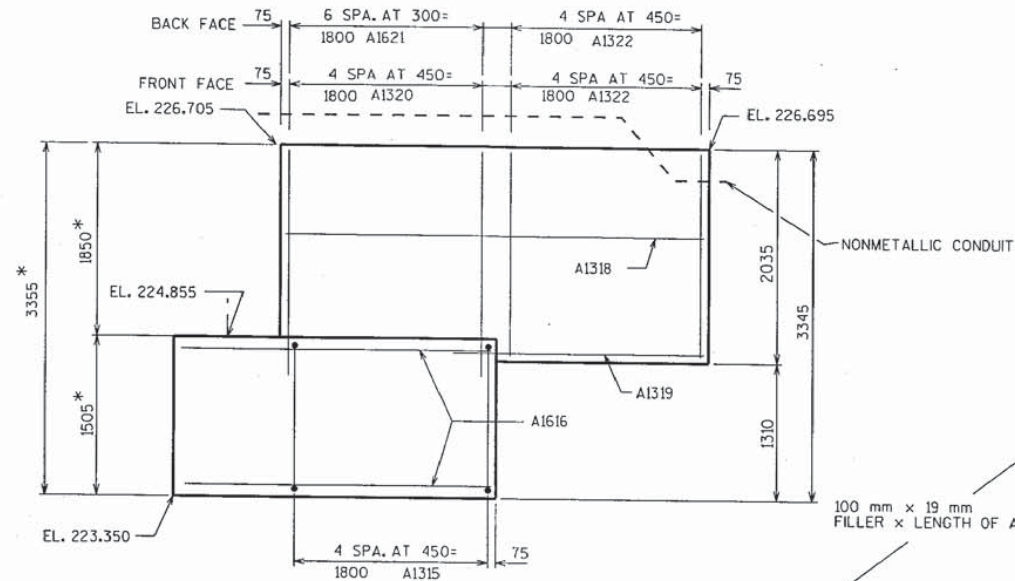
WING 3 ELEVATION



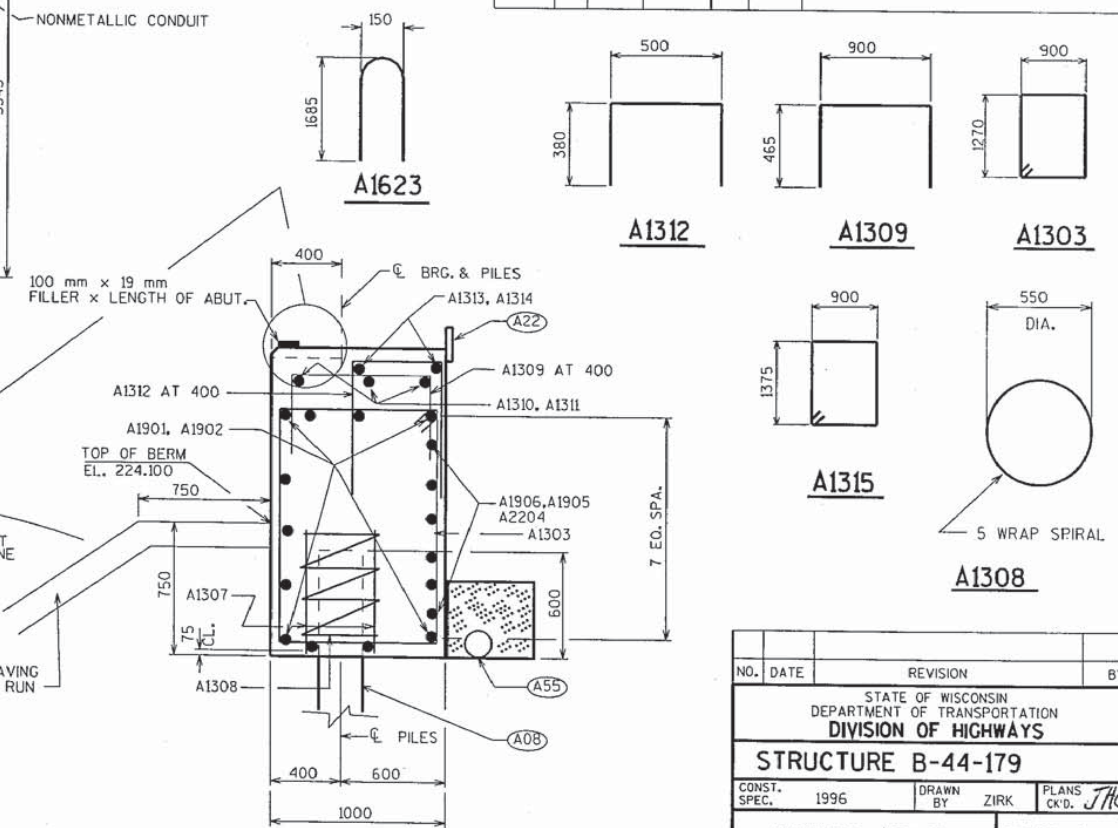
SECTION THRU WING 3



SECTION THRU WING 4



WING 4 ELEVATION



SECTION THRU BODY

BILL OF BARS

NOTE: THE FIRST TWO DIGITS OF THE
BAR MARK SIGNIFIES THE BAR SIZE.

[illegible]

- (A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY SURFACED BEVELED 38 mm x 140 mm. (457 mm R.M.W. @ B.F. & 20 mm "V" GROOVE @ F.F. IF JOINT IS USED).
- (A08) SUPPORT ABUTMENT ON HP 250 x 62 STEEL PILING, ESTIMATED 15.0 m LONG, & DRIVEN TO A MIN. BRG. VALUE OF 490 kN PER PILE. PILE POINTS REQ'D. SEE PIER SHEET FOR DETAILS
- (A55) PIPE UNDERDRAIN, 150 mm IN 450 mm X 450 mm AREA OF SIZE 1 COURSE AGGREGATE WRAPPED IN GEOTEXTILE FABRIC, TYPE DF OUT TO OUT OF ABUT. & EXITED TO SUITABLE DRAINAGE WITH PIPE UNDERDRAIN, UNPERFORATED, 150 mm

- (A08) SUPPORT ABUTMENT ON HP 250 x 62 STEEL
PILING, ESTIMATED 15.0 m LONG, & DRIVEN TO A
MIN. BRC. VALUE OF 490 kN PER PILE.
PILE POINTS REQ'D. SEE PIER SHEET FOR DETAILS

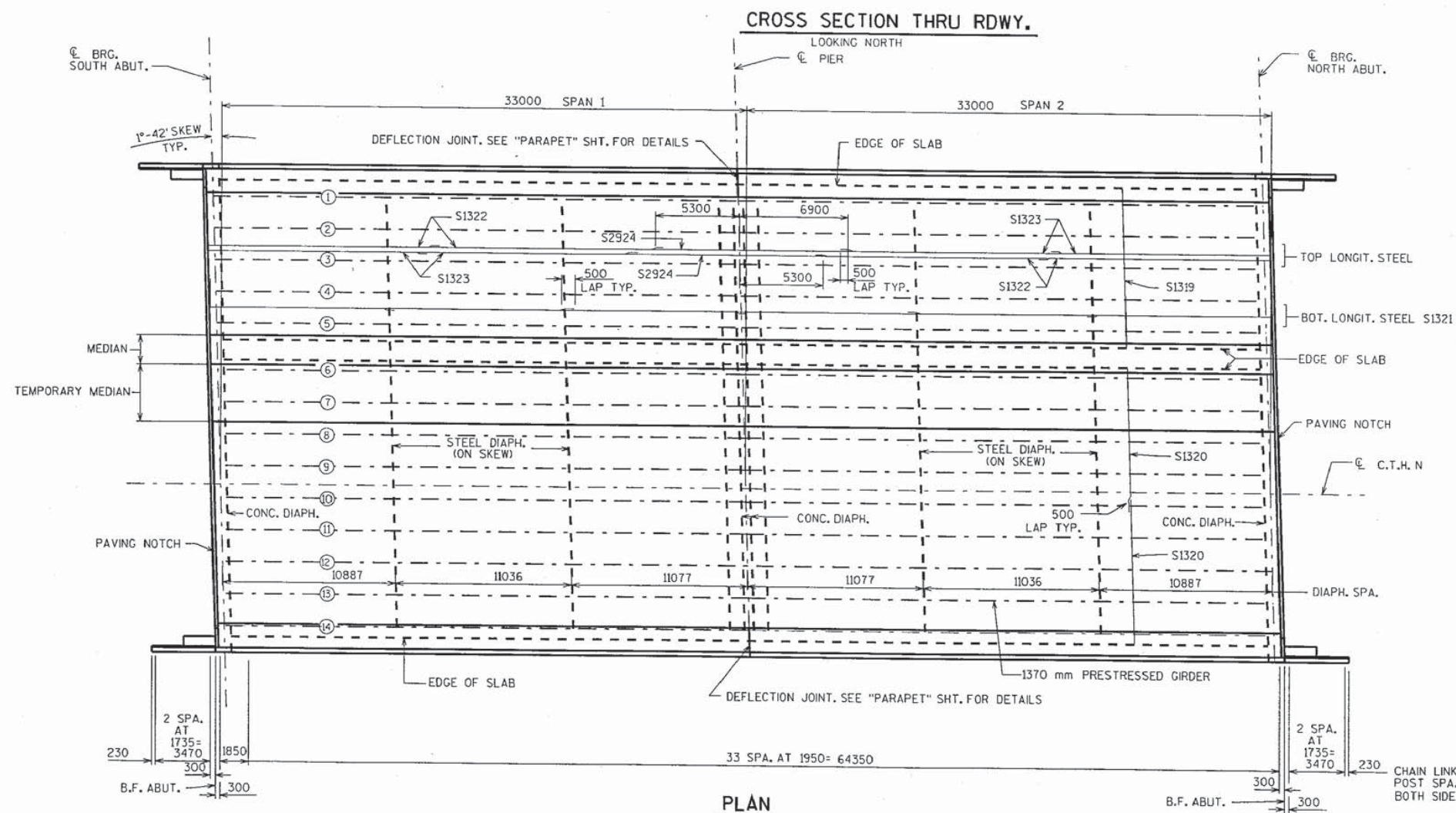
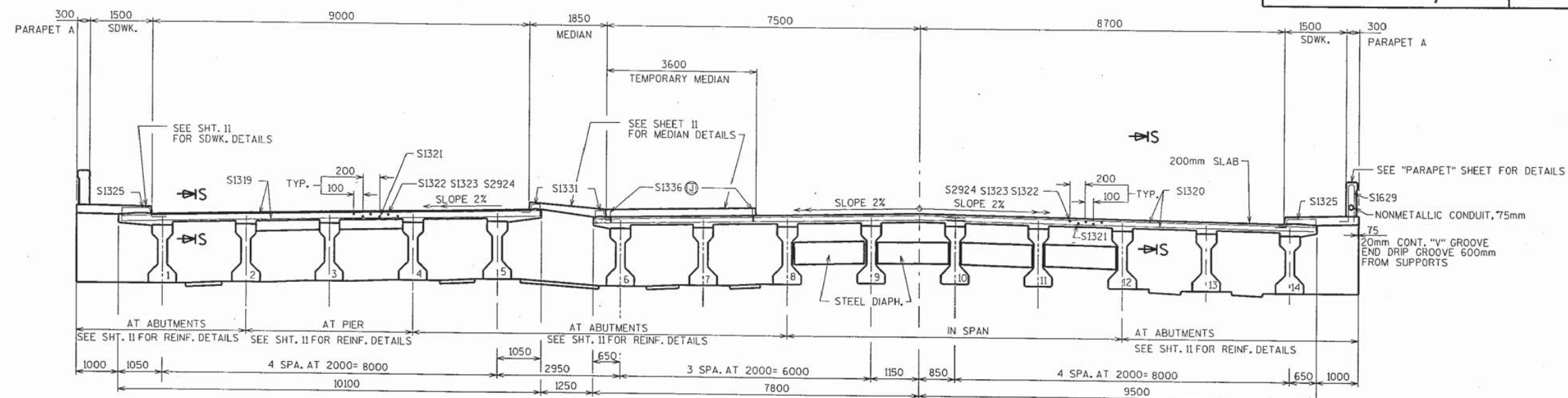
- (A55) PIPE UNDERDRAIN, 150 mm IN 450mm X 450mm AREA OF SIZE 1
COURSE AGGREGATE WRAPPED IN GEOTEXTILE FABRIC, TYPE DF
OUT TO OUT OF ABUT. & EXITED TO SUITABLE DRAINAGE WITH
PIPE UNDERDRAIN, UNPERFORATED, 150 mm

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY	PLANS CHK'D. <i>JHG</i>
NORTH ABUT.		SHEET 8	
DETAILS			

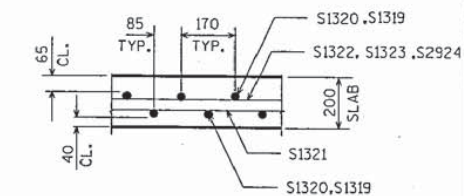
FILE- 179NWINGS
SCALE = 30

1133-05-71,72

8.9



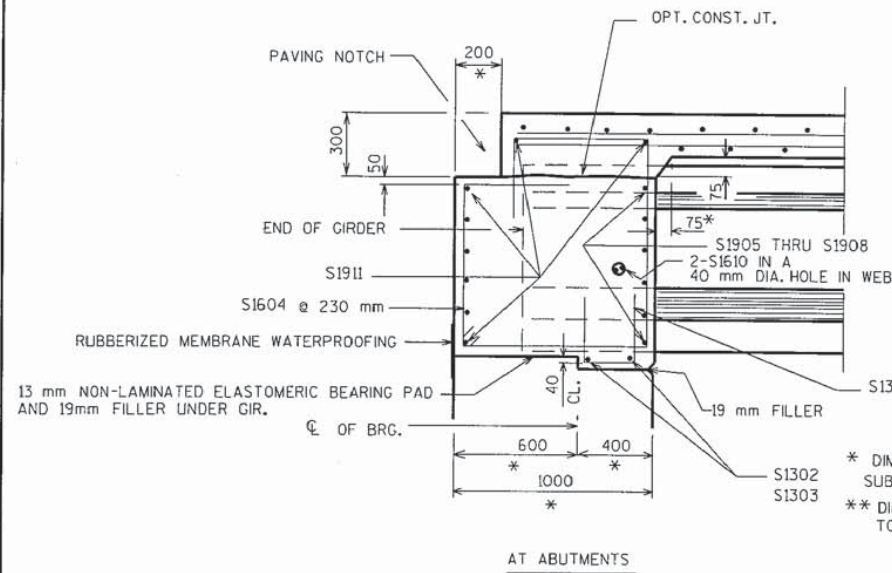
CONCRETE MASONRY ANCHORS,
TYPE L, NO. 13 BARS, (EPOXY) EMBED 100.



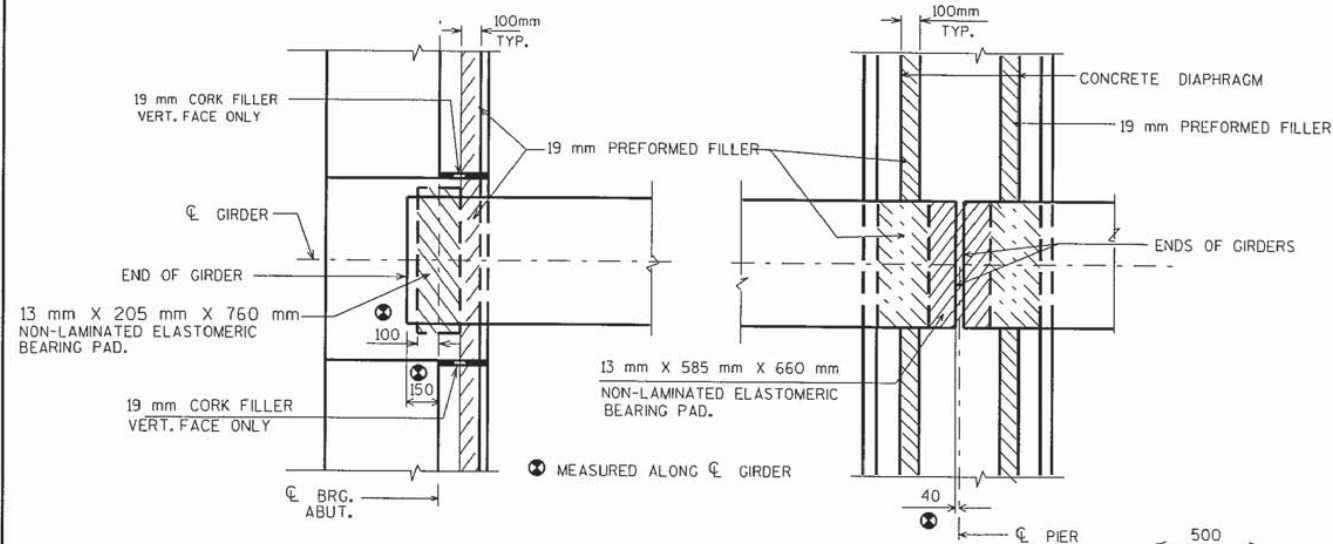
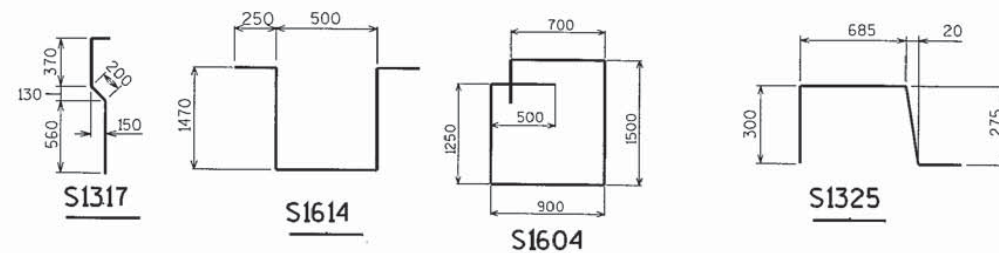
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY ZIRK	PLANS CK'D. JHS
SUPERSTRUCTURE			SHEET 9

FILE SCALE =

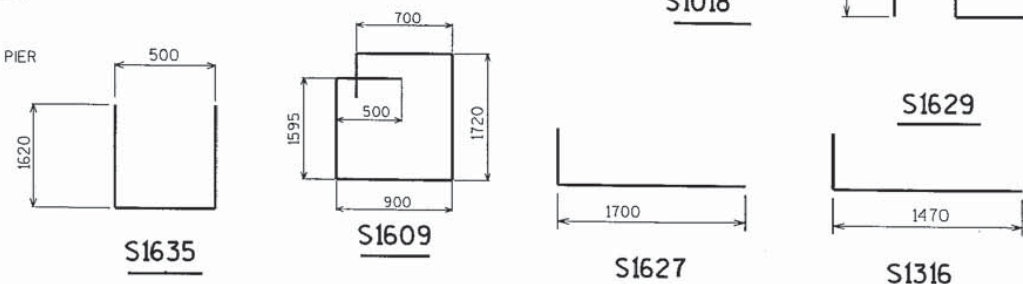
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



LONGITUDINAL SECTION



BEARING PAD DETAIL

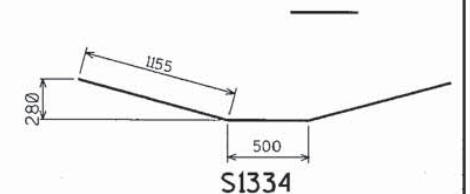


STATE PROJECT NUMBER	SHEET NO.
1133-05-71,72	8.10

BILL OF BARS

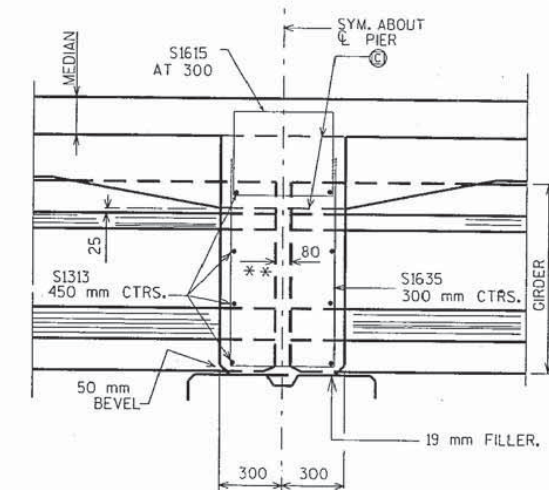
NOTE: THE FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S1301	X	110	980	X		ABUT. DIAPH. BETW. GIRS.
S1302	X	48	900			ABUTMENT DIAPH. BETW. GIRS.
S1303	X	4	1850			ABUTMENT DIAPH. BETW. GIRS. 5 & 6
S1604	X	170	5190	X		ABUTMENT DIAPH. STIRRUPS
S1905	X	144	1240			ABUTMENT DIAPH. BETW. GIRS.
S1906	X	12	2190			ABUTMENT DIAPH. BETW. GIRS. 5 & 6
S1907	X	12	1220			ABUT. DIAPH. AT WINGS 1 & 4
S1908	X	12	1620			ABUT. DIAPH. AT WINGS 2 & 3
S1609	X	26	5815	X		ABUT. DIAPH. AT WINGS
S1610	X	56	2000			ABUT. DIAPH. THRU GIRS.
S1911	X	32	15810			ABUT. DIAPH.
S1312	X	144	1240			PIER DIAPH. BETW. GIRS.
S1313	X	12	2190			PIER DIAPH. BETW. GIRS. 5 & 6
S1614	X	68	3750	X		PIER DIAPH. STIRRUPS
S1615	X	5	2190	X		PIER DIAPH. BETW. GIRS. 5 & 6
S1316	X	4	1650	X		PILASTER
S1317	X	4	1300	X		PILASTER
S1018	X	8	1090	X		PILASTER
S1319	X	777	10000			SLAB TRANS. SO. BOUND
S1320	X	1554	8850			SLAB TRANS. NO. BOUND
S1321	X	828	11535			SLAB LONGIT. BOT.
S1322	X	272	14525			SLAB LONGIT. TOP
S1323	X	272	13725			SLAB LONGIT. TOP
S2924	X	136	12200			SLAB LONGIT. TOP OVER PIER
S1325	X	892	1470	X		SLAB AND SDWK.
S1326	X	298	1250			SDWK. BOT. TRANS.
S1627	X	892	1770	X		SDWK. TOP TRANS.
S1328	X	222	11530			SDWK. AND MEDIAN TOP & BOT. LONGIT.
S1629	X	446	2100	X		SDWK. AND PARAPET VERT.
S1330	X	72	11935			PARAPET LONGIT.
S1331	X	892	800			SLAB AT MEDIAN VERT.
S1332	X	223	1720			MEDIAN TRANS. TOP
S1333	X	222	1720			MEDIAN TRANS. BOT.
S1334	X	68	2780	X		PIER HAUNCH
S1635	X	5	3660	X		PIER DIAPH. AT MEDIAN
S1336	X	228	225			TEMPORARY MEDIAN
S1337	X	48	11530			TEMPORARY MEDIAN
S1338	X	152	3500			TEMPORARY MEDIAN



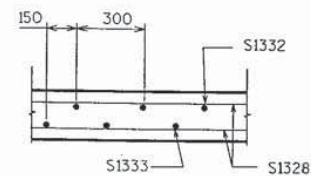
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY	ZIRK
		PLANS CK'D.	JHG
SUPERSTRUCTURE DETAILS			SHEET 10

8.11

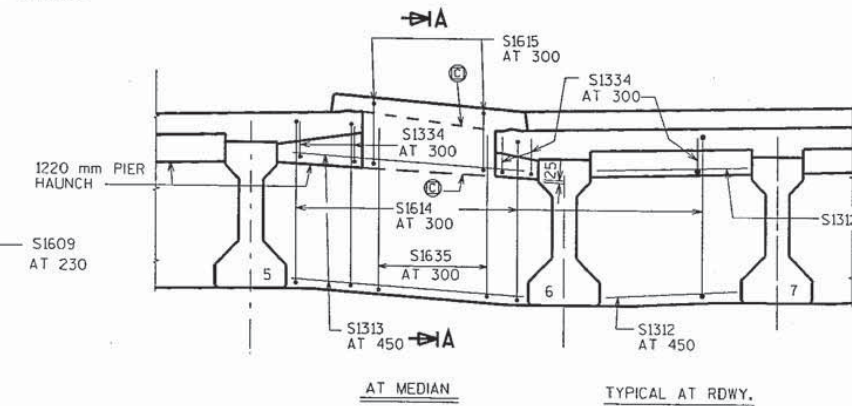


SECTION THRU MEDIAN
LOOKING NORTH

SECTION A-A



SECTION B-B



ABUT. DIAPH. ELEVATION
LOOKING NORTH

PIER DIAPH. ELEVATION
LOOKING NORTH

	S. ABUT	1/8PT.	1/4PT.	3/8PT.	1/2PT.	5/8PT.	3/4PT.	7/8PT.	PIER	1/8PT.	1/4PT.	3/8PT.	1/2PT.	5/8PT.	3/4PT.	7/8PT.	N. ABUT	
GIR. 1	225.905	225.980	226.050	226.115	226.175	226.230	226.280	226.325	226.365	226.400	226.430	226.455	226.475	226.490	226.500	226.505	226.505	GIR. 2
GIR. 2	225.945	226.020	226.090	226.155	226.215	226.270	226.320	226.365	226.405	226.440	226.470	226.495	226.515	226.530	226.540	226.545	226.545	GIR. 2
GIR. 3	225.985	226.060	226.130	226.195	226.255	226.310	226.360	226.405	226.445	226.480	226.510	226.535	226.555	226.570	226.580	226.585	226.585	GIR. 3
GIR. 4	226.025	226.100	226.170	226.235	226.295	226.350	226.400	226.445	226.485	226.520	226.550	226.575	226.595	226.610	226.620	226.625	226.625	GIR. 4
GIR. 5	226.070	226.145	226.215	226.280	226.340	226.390	226.440	226.485	226.525	226.560	226.590	226.615	226.635	226.650	226.660	226.665	226.665	GIR. 5
GIR. 6	225.935	226.010	226.080	226.145	226.205	226.260	226.310	226.355	226.395	226.430	226.460	226.485	226.505	226.515	226.525	226.530	226.530	GIR. 6
GIR. 7	225.975	226.050	226.120	226.185	226.245	226.300	226.350	226.395	226.435	226.470	226.500	226.525	226.545	226.560	226.565	226.570	226.570	GIR. 7
GIR. 8	226.020	226.095	226.160	226.225	226.285	226.340	226.390	226.435	226.475	226.510	226.540	226.565	226.585	226.600	226.605	226.610	226.610	GIR. 8
GIR. 9	226.060	226.135	226.205	226.270	226.325	226.380	226.430	226.475	226.515	226.550	226.580	226.605	226.625	226.640	226.645	226.650	226.650	GIR. 9
GIR. 10	226.065	226.140	226.210	226.275	226.335	226.390	226.440	226.485	226.520	226.555	226.585	226.610	226.630	226.645	226.655	226.660	226.655	GIR. 10
GIR. 11	225.025	226.100	226.170	226.235	226.295	226.350	226.400	226.445	226.485	226.515	226.545	226.570	226.590	226.605	226.615	226.620	226.615	GIR. 11
GIR. 12	225.990	226.065	226.130	226.195	226.255	226.310	226.360	226.405	226.445	226.475	226.505	226.530	226.550	226.565	226.575	226.580	226.575	GIR. 12
GIR. 13	225.950	226.025	226.095	226.155	226.215	226.270	226.320	226.365	226.405	226.440	226.465	226.490	226.510	226.525	226.535	226.540	226.535	GIR. 13
GIR. 14	225.910	225.985	226.055	226.120	226.175	226.230	226.280	226.325	226.365	226.400	226.425	226.450	226.470	226.485	226.495	226.500	226.495	GIR. 14

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY	ZIRK PLANS CKD. JHK
SUPERSTRUCTURE		SHEET 11	
DETAILS			

FILE= 179SUPEL.DGN
SCALE = 15

GIRDER NOTES

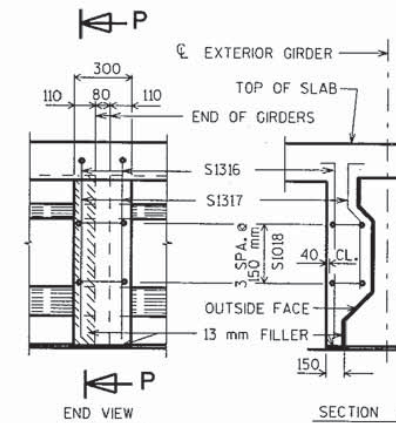
TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 50 mm OF GIRDER, WHICH SHALL BE TROWEL FINISHED.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS.

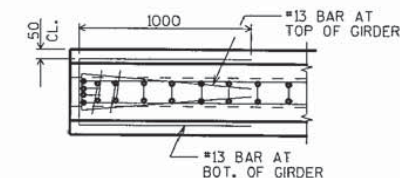
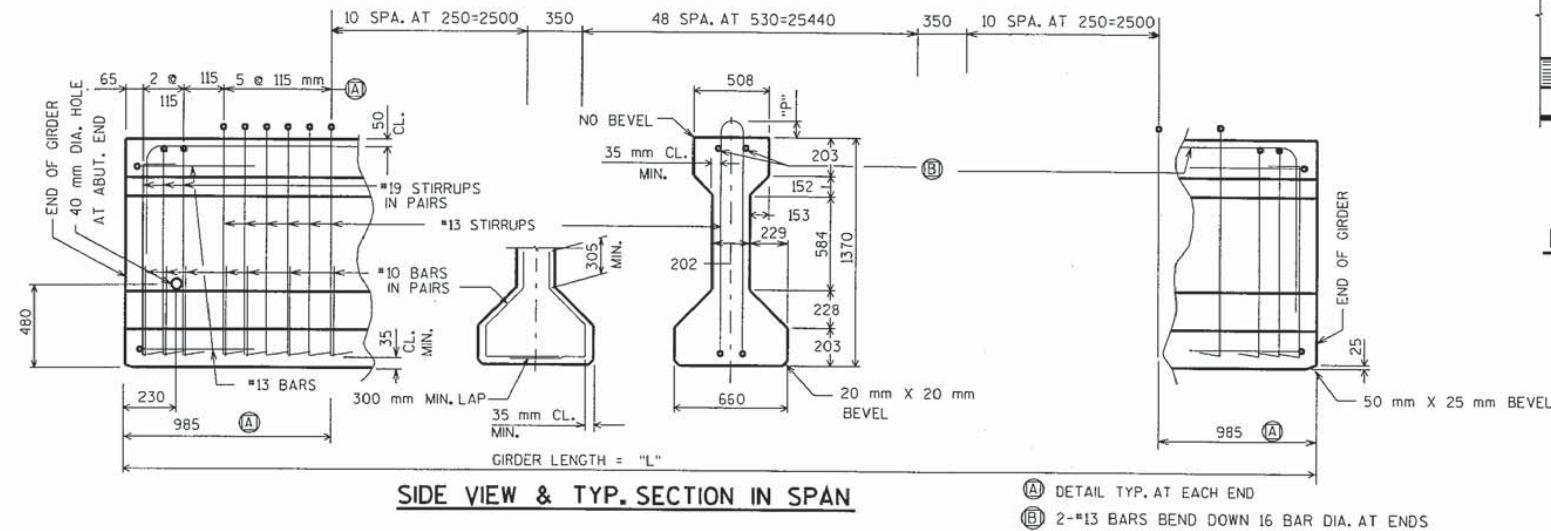
PRESTRESSING STRANDS SHALL BE 13 mm ϕ - 7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 1860 MPa AND SHALL BE FLUSH WITH THE ENDS OF THE GIRDER.

BEND EACH END OF #13 STIRRUPS 115 mm AND #16 STIRRUPS 150 mm.

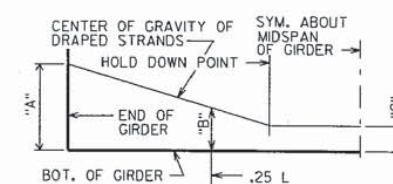
FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.



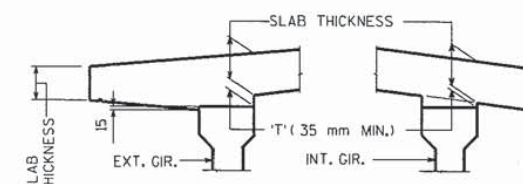
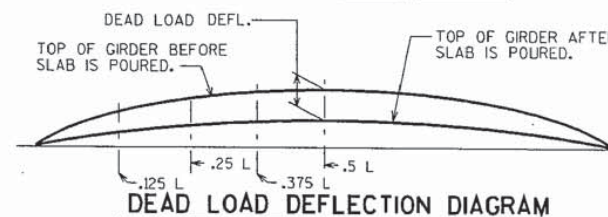
PILASTER DETAILS AT PIERS



TOP VIEW OF GIRDER ENDS



DRAPED STRAND PROFILE

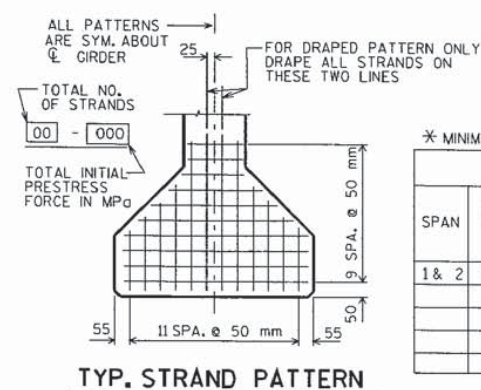


SLAB HAUNCH DETAIL

IF 35 mm MINIMUM HAUNCH HEIGHT 'T' CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN SLAB THICKNESS SHALL BE HELD. NOTIFY BRIDGE OFFICE FOR HAUNCH HEIGHTS OVER 100 mm.

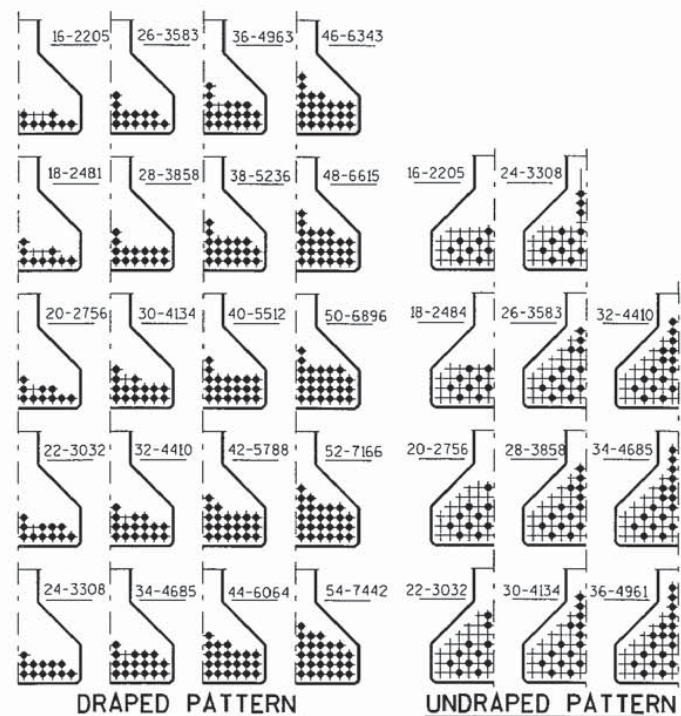
TO DETERMINE 'T', ELEV'S. OF TOP OF GIR'S. AT ϕ OF SUBSTRUCTURE UNITS & AT 0.25 POINTS OF EACH SPAN SHALL BE TAKEN, THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
- TOP OF GIRDER ELEVATION
+ DEADLOAD DEFLECTION
- SLAB THICKNESS
= HAUNCH HEIGHT 'T'



* MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

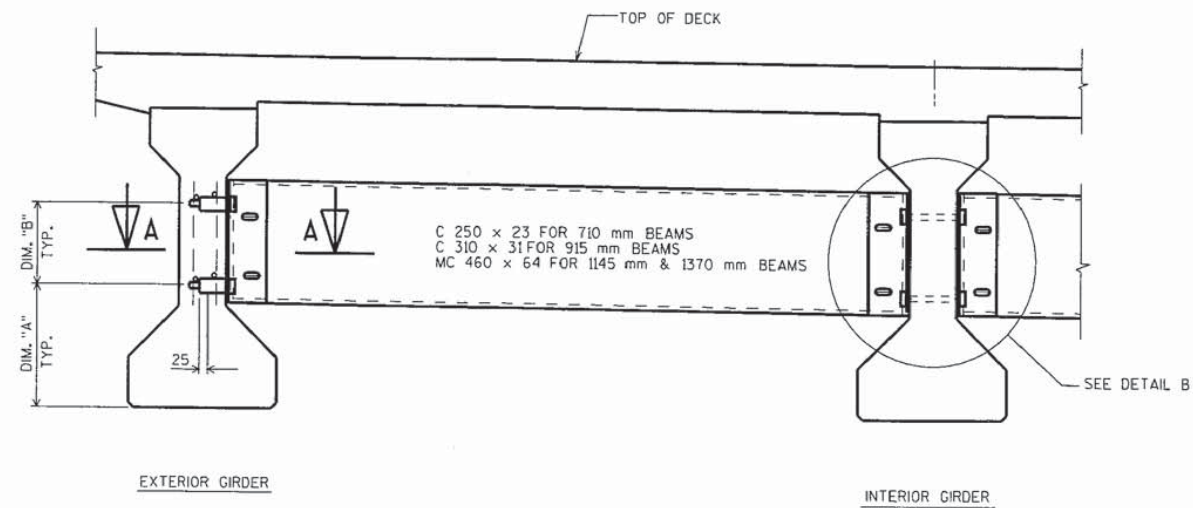
GIRDER DATA															
SPAN	GIRDER LENGTH "L" (mm)	DEAD LOAD DEFL. (mm)				CONC. STRGTH. F'C (MPa)	"P"	DRAPED PATTERN						UNDRAPED PATTERN	
		.125	.25	.375	.5			TOTAL NO. OF STRANDS	F'C (MPa) *	(mm)				TOTAL NO. OF STRANDS	F'C (MPa) *
										"A"	"B" MIN.	"B" MAX.	"C"		
1 & 2	33110	20	45	50	50	48	150	42	33	1220	420	495	150		



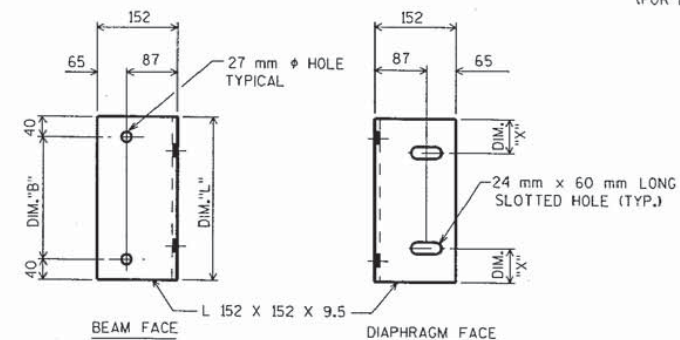
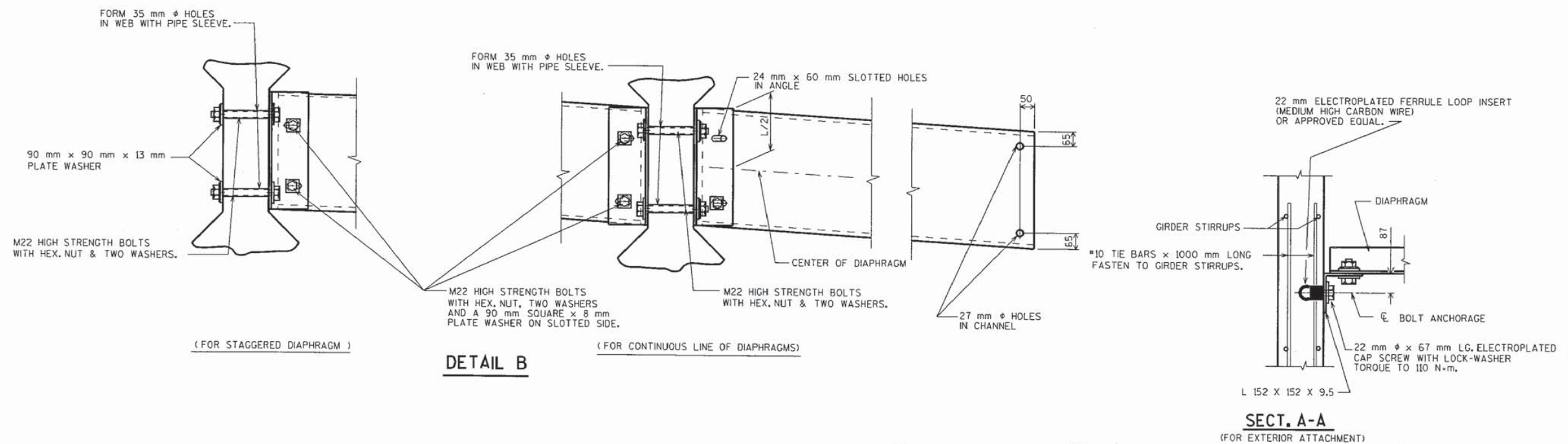
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY	ZIRK
		PLANS CK'D.	JHG
1370 mm PRESTRESSED GIRDER DETAILS			SHEET 12

TABLE

GIRDER HEIGHT mm	DIM. "A" m	DIM. "B" m	DIM. "L" m	DIM. "X" m
710	305	180	260	68
915	355	279	359	92
1145	420	381	461	67
1370	485	485	565	119



PART TRANSVERSE SECTION AT DIAPHRAGM



DIAPHRAGM SUPPORT

STATE PROJECT NUMBER

1133-05-71

SHEET NO.

8.13

NOTES

ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGM".

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 M GRADE 250. ALL BOLTS, NUTS AND WASHERS SHALL BE ASTM A325 M TYPE L.

ALL DIAPHRAGM STRUCTURAL STEEL SHOWN SHALL BE HOT-DIPPED GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C. GALVANIZED NUTS SHALL BE TAPPED OVERSIZE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A563 M AND SHALL MEET THE REQUIREMENTS OF SUPPLEMENTARY REQUIREMENT S1 OF ASTM A563, LUBRICANT AND TEST FOR COATED NUTS.

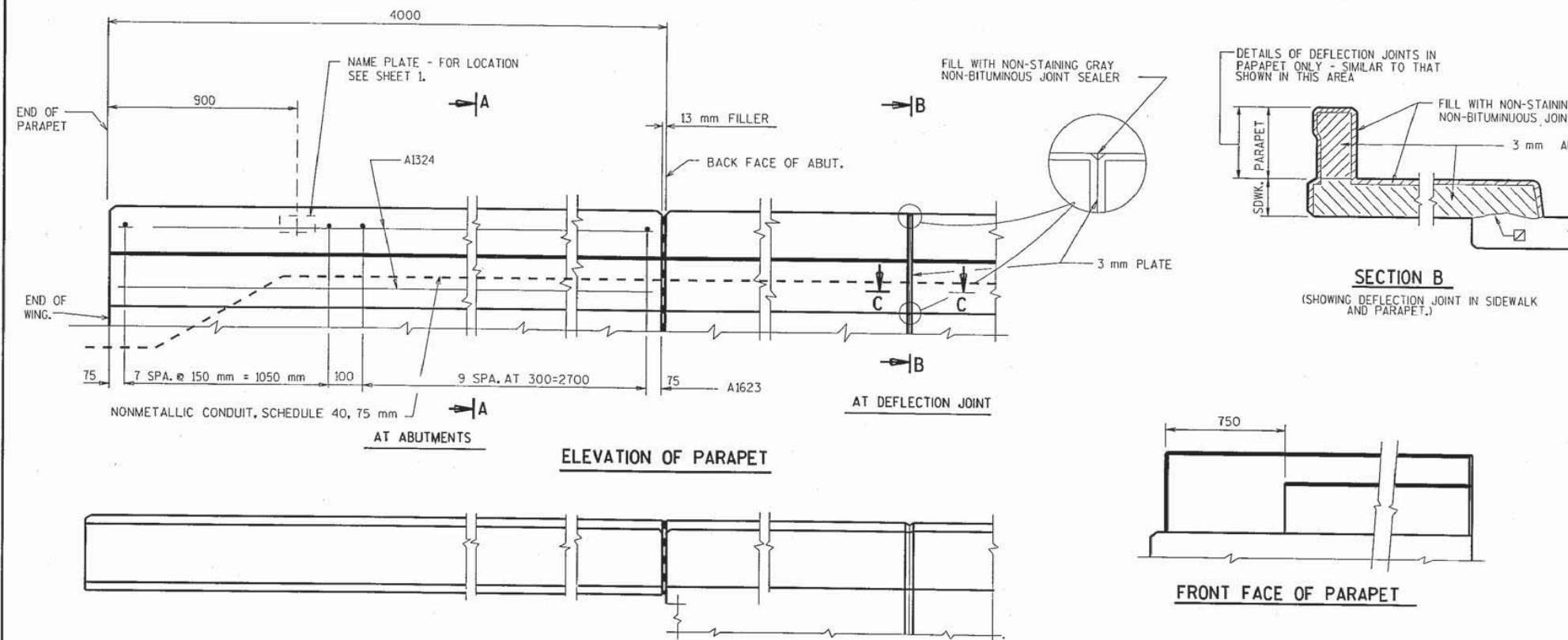
SECT. A-A

(FOR EXTERIOR ATTACHMENT)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY ZIRK	PLANS CKD. JH
STEEL DIAPHRAGM		SHEET 13	

1-5-95

FILE= MGSTDIA.DGN SCALE=12:5

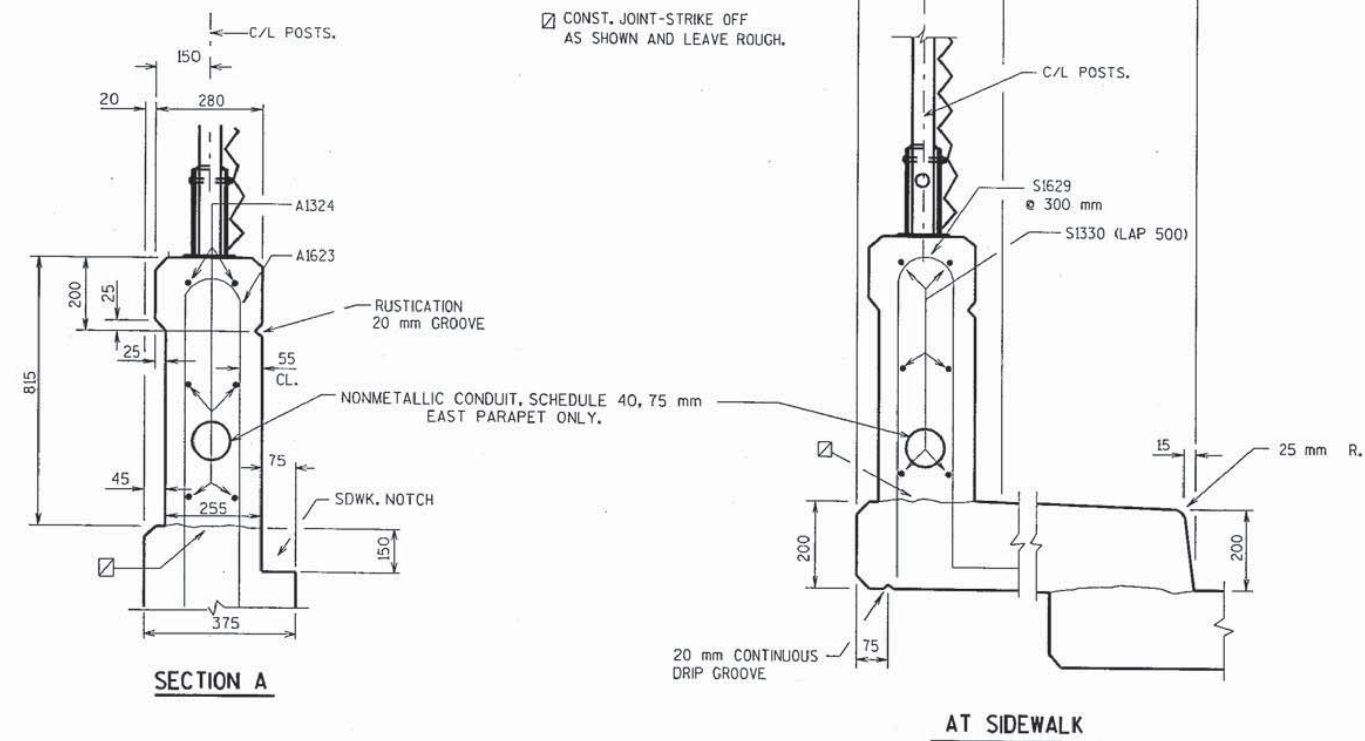


NOTES

WHEN PARAPETS ARE POURED CONTINUOUSLY FROM END TO END, THEY SHALL BE SEPARATED AT THE DEFLECTION JOINTS BY A PIECE OF 3 mm ZINC OR ALUMINUM PLATE CUT AS SHOWN IN SECTION 'B' BY SHADED AREA. IF CONSTRUCTION JOINTS IN PARAPETS ARE USED AT THE DEFLECTION JOINTS, ONE SIDE OF JOINT SHALL BE COATED WITH BITUMINOUS PAINT AND PLATE SEPARATORS MAY BE OMITTED.

PLAN OF PARAPET

CONST. JOINT-STRIKE OFF AS SHOWN AND LEAVE ROUGH.



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY ZIRK	PLANS CK'D. JHG
VERTICAL FACE PARAPET "A"			SHEET 14

1133-05-71

8.15

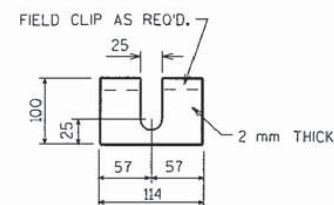
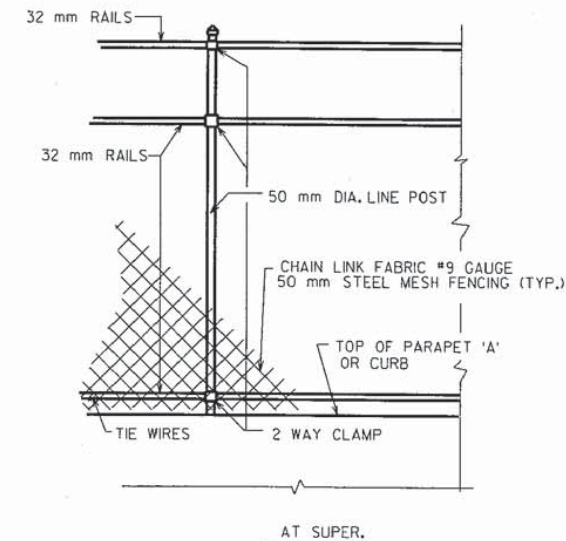
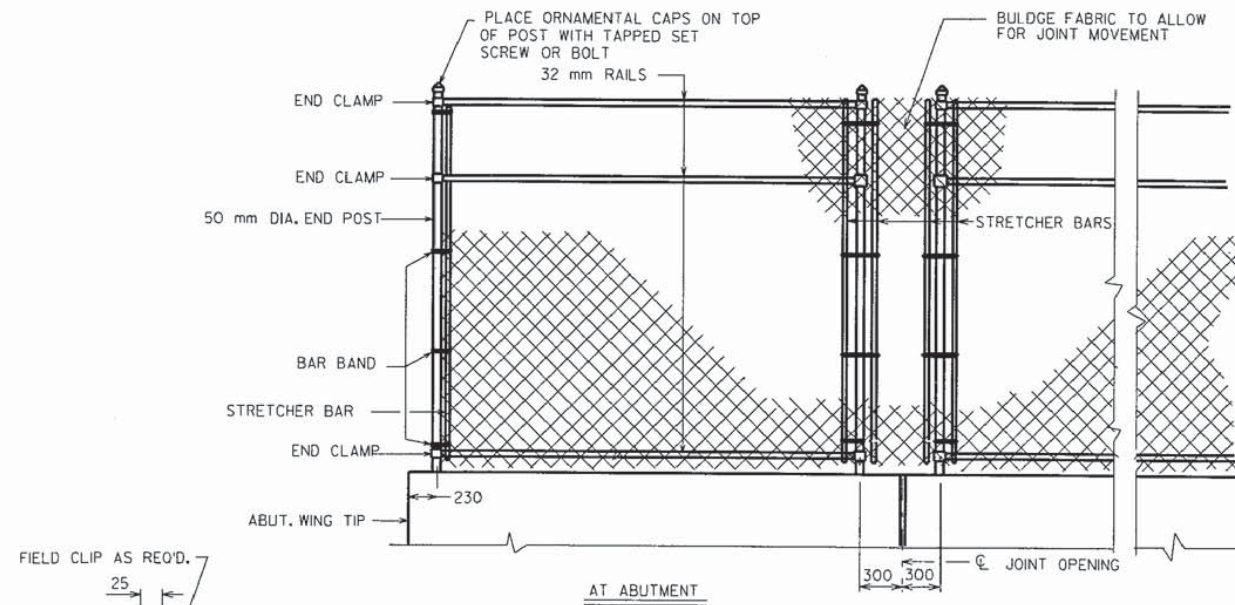
GENERAL NOTES

POSTS ARE TO BE SET VERTICAL.
KNUCKLE TOP AND BOTTOM OF 50 mm MESH
CHAIN LINK FENCING.
ALL FENCING COMPONENTS SHALL BE
GALVANIZED STEEL.

ALL RAILS, POSTS AND SLEEVES ARE
STANDARD WEIGHT PIPE, SCHEDULE 40.
PLACE ALL NUTS ON OUTSIDE OF FENCE.
TOP RAIL SHALL BE CONTINUOUS OVER
INTERIOR POSTS. MINIMUM LENGTH OF TOP RAIL
BETWEEN SPLICES SHALL BE 6096 mm. PLACE TOP
RAIL SPLICES NEAR .25 POINTS OF POST SPACING.
NO. 9 GAGE TIES AT 230 mm SPACING REQ'D. ON
RAILS & POSTS WITHOUT STRETCHER BARS.

☆ 13 mm ϕ CONCRETE MASONRY ANCHOR,
TYPE "S", 150 mm MIN. EMBEDMENT (EPOXY
ANCHORED) MIN. PULLOUT OF 10 K. THREADED
LENGTH OF ANCHOR, WASHER, AND
NUT SHALL BE GALVANIZED.

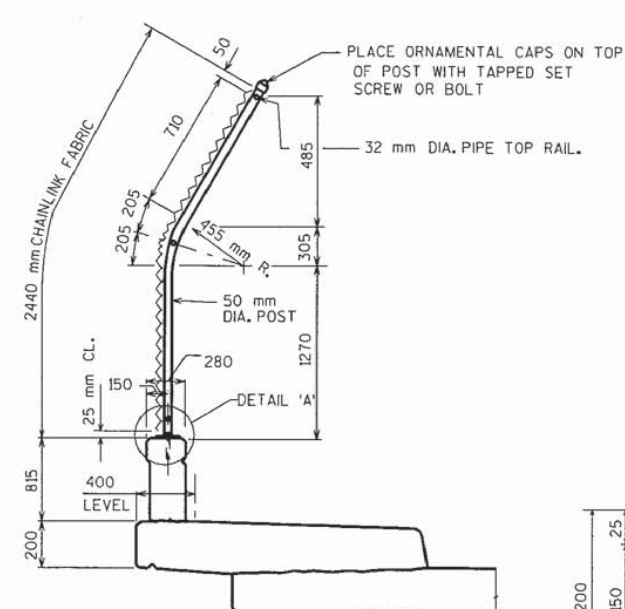
CHAIN LINK FENCE SHALL CONFORM TO
THE REQUIREMENTS OF AASHTO M-181, TYPE 1.
ANY SPECIFICATION IN 616.2.3 THAT CONFLICTS
WITH AASHTO M-181 SHALL NOT APPLY.



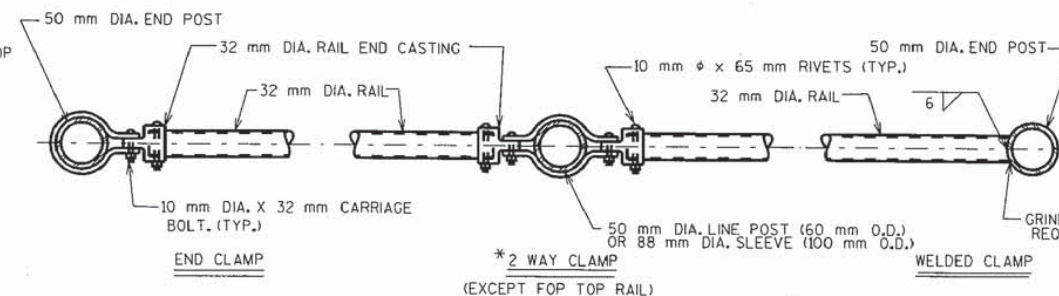
POST SHIM DETAILS

SHIMS REQUIRED ONLY WHEN POSTS ARE
WELDED TO BASE PLATES. PROVIDE 4
SHIMS PER POST.

FENCE PART ELEVATION



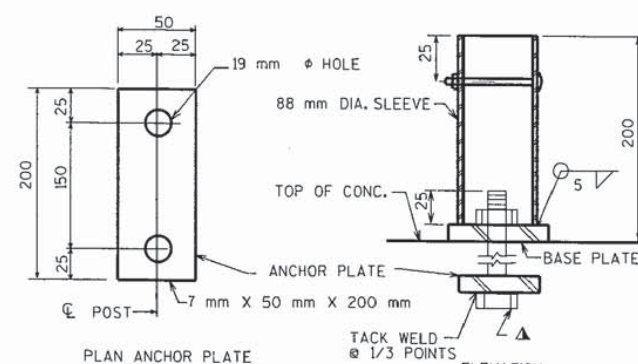
SECTION THRU FENCE



PLAN OF RAILING

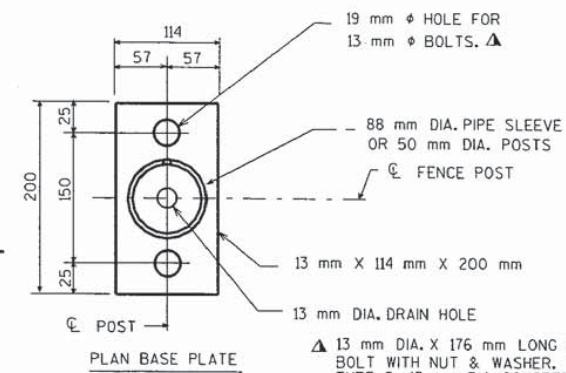
NOTE: PLACE ALL NUTS ON OUTSIDE OF FENCE

* ALTERNATE BOULEVARD 2-WAY
CLAMP MAY BE USED.

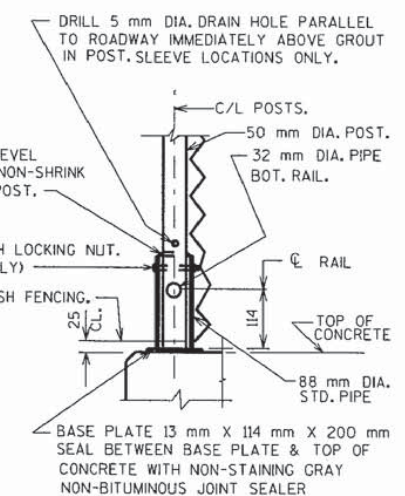


POST ATTACHMENT

UNIT SHALL BE GALV. AFTER FABRICATION
NOTE: IN LIEU OF USING THE 88mm SLEEVE THE 50mm
FENCE POST MAY WELDED TO THE BASE PLATE.



▲ 13 mm DIA. X 176 mm LONG GALVANIZED HEX
BOLT WITH NUT & WASHER.
TYPE S, 13 mm DIA. CONCRETE MASONRY
ANCHORS MAY BE SUBSTITUTED FOR
13 mm ϕ BOLTS. ANCHOR PLATE NOT REQUIRED
WHEN TYPE S ANCHORS ARE USED.
SEE ☆ IN "GENERAL NOTES".

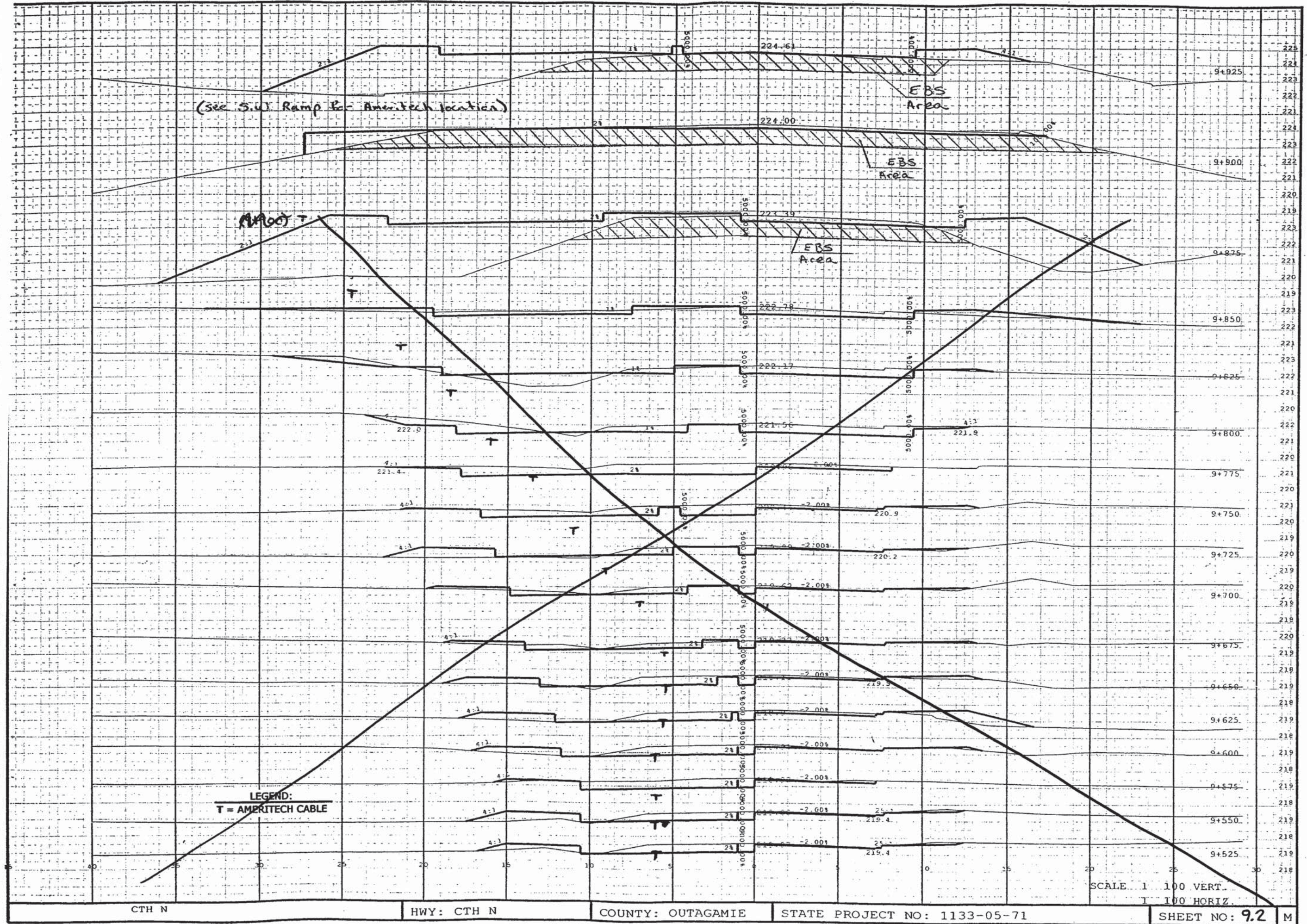


DETAIL A

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-179			
CONST. SPEC.	1996	DRAWN BY ZIRK	PLANS CK'D. JH
CHAIN LINK FENCE		SHEET 15	

SCALE = 250
FILE# 179FENCE

CTH N								CTH N								SE RAMP							
STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL	STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL	STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL
	CUT	FILL	CUT	FILL	CUT	FILL			CUT	FILL	CUT	FILL	CUT	FILL			CUT	FILL	CUT	FILL	CUT	FILL	
9+575	8.00	1.00						10+025	0.00	347.00						225	2.00	20.00					
9+600	7.00	3.00	187	70	1950	70	1880	10+050	0.00	236.00	0	10203	0	10203	-10203	250	5.00	11.00	87	543	87	543	-455
9+625	6.00	6.00	162	157	2112	227	1885	10+075	0.00	106.00	0	5985	0	16188	-16188	275	6.00	7.00	137	315	225	858	-633
9+650	5.00	4.00	137	175	2250	402	1848	10+100	0.00	72.00	0	3115	0	19303	-19303	SW RAMP							
9+675	4.00	1.00	112	88	2362	490	1872	10+125	0.00	197.00	0	4708	0	24011	-24011	STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL
9+700	3.00	2.00	87	53	2450	543	1907	10+150	0.00	185.00	0	6685	0	30696	-30696		CUT	FILL	CUT	FILL	CUT	FILL	
9+725	5.00	3.00	100	88	2550	631	1919	10+175	0.00	149.00	0	5845	0	36541	-36541	225	5.00	4.00	100	403	100	403	-303
9+750	10.00	1.00	187	70	2737	701	2036	10+200	0.00	107.00	0	4480	0	41021	-41021	250	3.00	19.00	75	1243	175	1646	-1471
9+775	12.00	0.00	275	18	3012	719	2293	10+225	0.00	61.00	0	2940	0	43961	-43961	275	3.00	52.00	62	2153	237	3799	-3561
9+800	13.00	1.00	312	18	3325	737	2588	10+250	5.00	34.00	62	1663	62	45624	-45561	300	2.00	71.00	25	2678	263	6477	-6214
9+825	9.00	7.00	275	140	3600	877	2723	10+275	5.00	15.00	125	858	187	46482	-46294	325	0.00	83.00	0	2730	263	9207	-8944
9+850	8.00	5.00	212	210	3812	1087	2725	10+300	8.00	14.00	162	508	350	46990	-46640	NW RAMP							
9+875	4.00	85.00	150	1575	3962	2662	1300	10+325	13.00	12.00	262	455	612	47445	-46832	STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL
9+900	5.00	6.00	112	1593	4074	4255	-181	10+350	11.00	5.00	300	298	912	47743	-46830		CUT	FILL	CUT	FILL	CUT	FILL	
9+925	0.00	42.00	62	840	4137	5095	-958	10+350	11.00	5.00						225	5.00	8.00	87	403	87	403	-315
9+925	0.00	42.00	0	4800	4137	9895	-5758	10+375	10.00	1.00	262	105	262	105	157	250	2.00	15.00	25	1015	112	1418	-1306
9+950	0.00	165.00	0	5425	4137	15320	-11183	10+400	11.00	0.00	262	18	525	123	402	275	0.00	43.00	0	2065	112	3483	-3371
9+975	0.00	145.00						10+425	10.00	1.00	262	18	787	141	646	300	0.00	75.00	0	3360	112	6843	-6731
EVERGREEN EAST								10+450	8.00	2.00	225	53	1012	194	819	NE RAMP							
STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL	10+475	7.00	6.00	187	140	1200	334	866	STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL
	CUT	FILL	CUT	FILL	CUT	FILL		10+500	15.00	5.00	275	193	1475	527	948		CUT	FILL	CUT	FILL	CUT	FILL	
525	1.00	11.00	100	368	100	368	-268	10+525	7.00	7.00	275	210	1750	737	1013	225	5.00	8.00	87	403	87	403	-315
550	7.00	10.00	212	315	312	683	-370	10+550	5.00	6.00	150	228	1900	965	935	250	2.00	15.00	25	1015	112	1418	-1306
575	10.00	8.00	137	298	450	981	-531	10+575	5.00	4.00	125	175	2025	1140	885	275	0.00	43.00	0	2065	112	3483	-3371
600	1.00	9.00	37	315	487	1296	-808	10+600	4.00	4.00	112	140	2137	1280	857	300	0.00	75.00	0	3360	112	6843	-6731
625	2.00	9.00	75	315	562	1611	-1049	RANDOLPH DRIVE								325	0.00	117.00	0				
650	4.00	9.00						STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL								
EVERGREEN WEST									CUT	FILL	CUT	FILL	CUT	FILL		225	0.00	134.00	0	8155	0	8155	-8155
STATION	END-AREA		INCREMENTAL VOLUME		CUMULATIVE VOLUME		MASS HAUL	350	11.00	0.00	350	0	350	0	350	250	0.00	131.00	0	4095	0	12250	-12250
	CUT	FILL	CUT	FILL	CUT	FILL		375	17.00	0.00	450	35	800	35	765	275	0.00	104.00	0	3255	0	15505	-15505
375	6.00	0.00	162	0	162	0	163	400	19.00	2.00	300	70	1100	105	995	300	0.00	82.00	0	2135	0	17640	-17640
400	7.00	0.00	200	0	362	0	363	425	5.00	2.00						325	0.00	40.00	38	875	38	18515	-18477
425	9.00	0.00	237	0	600	0	600	NOTE: FILL SHOWN IS ABSOLUTE VOLUME EXPANDED 40%.								350	3.00	9.00	113	175	151	18690	-18539
450	10.00	0.00	200	0	800	0	800									375	6.00	1.00					
475	6.00	0.00																					



(see S.W. Ramp for Ameritech location)

LEGEND:
T = AMERITECH CABLE

SCALE 1" = 100' VERT.
1" = 100' HORIZ.

CTH N

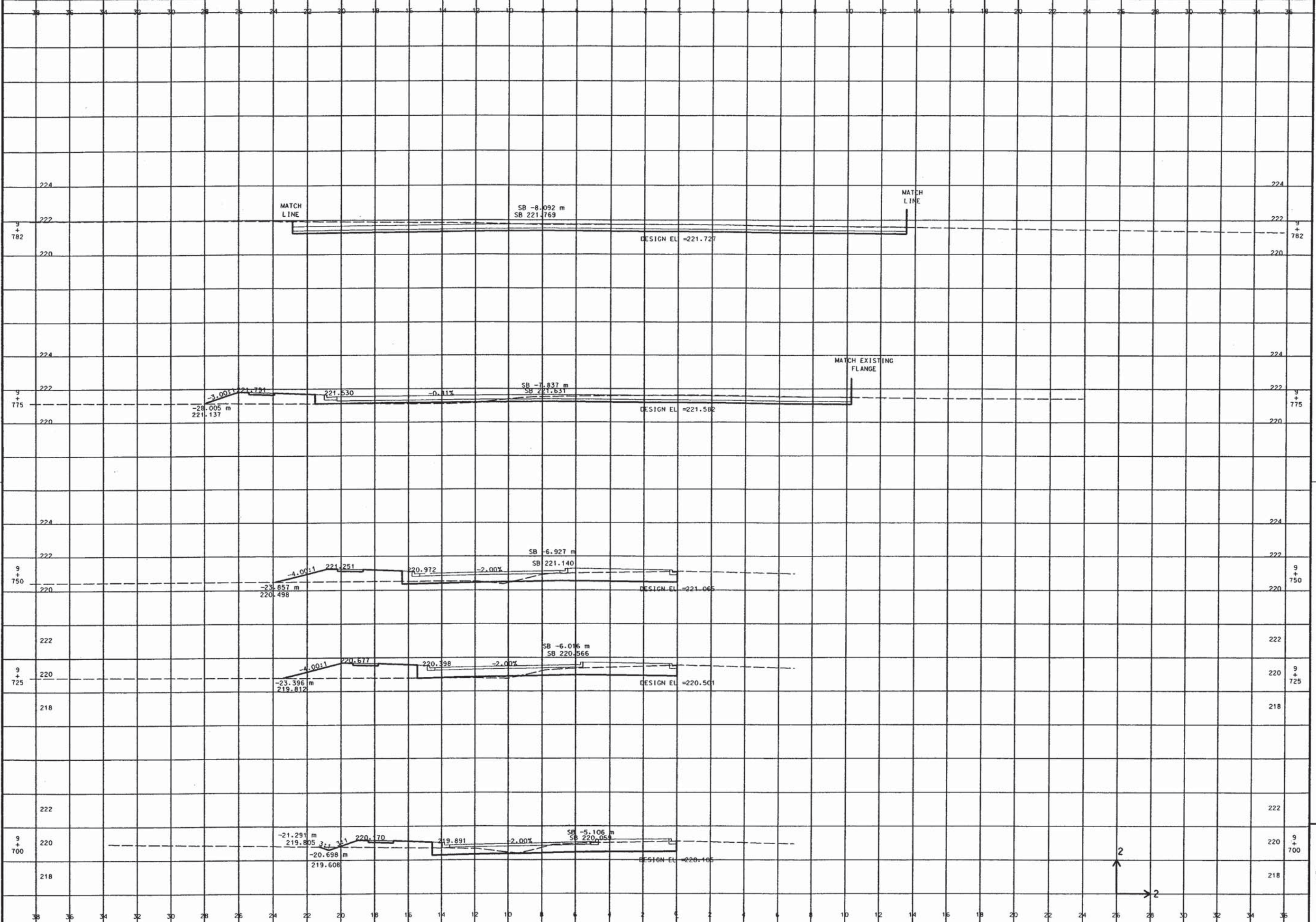
HWY: CTH N

COUNTY: OUTAGAMIE

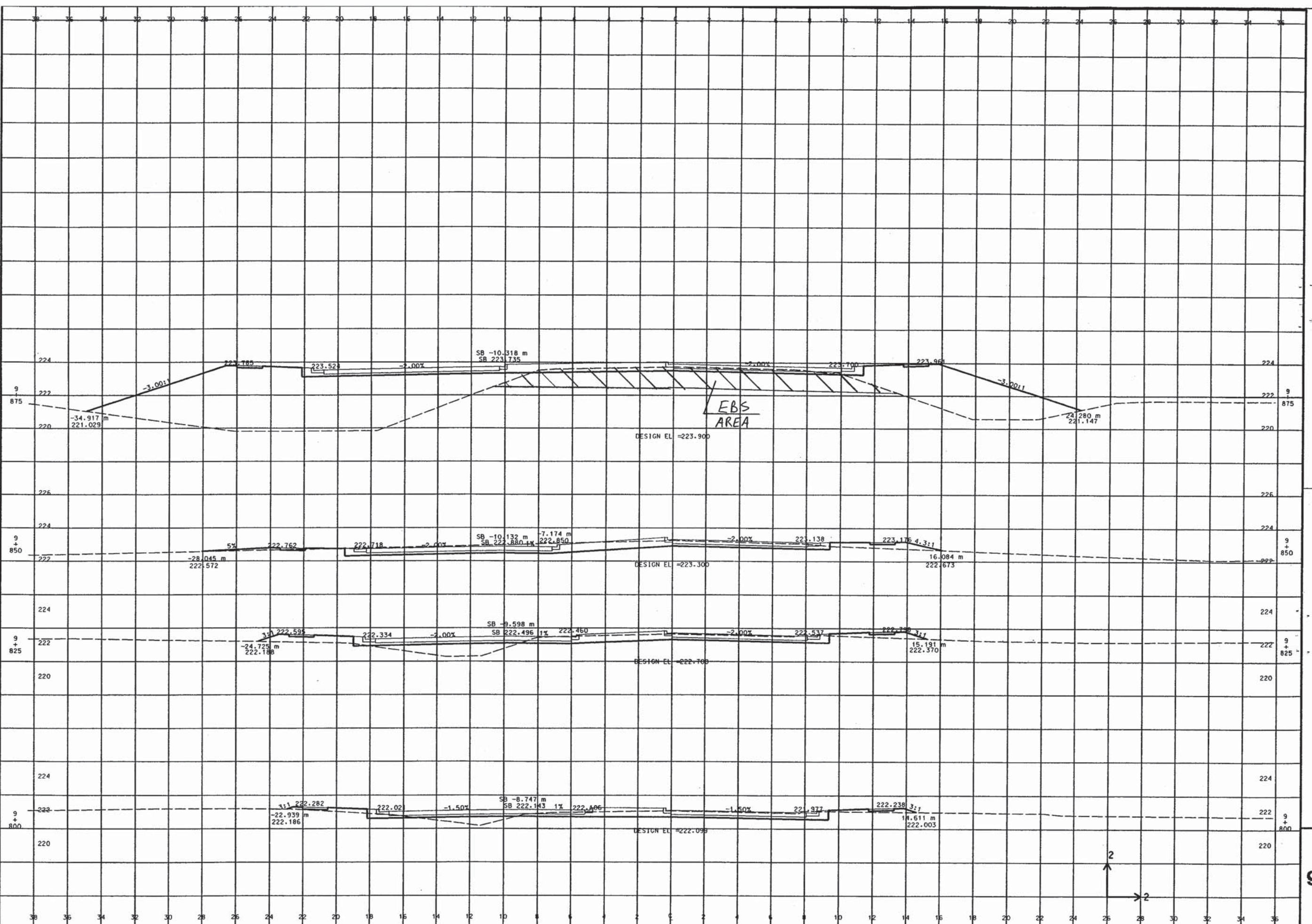
STATE PROJECT NO: 1133-05-71

SHEET NO: 9.2 M

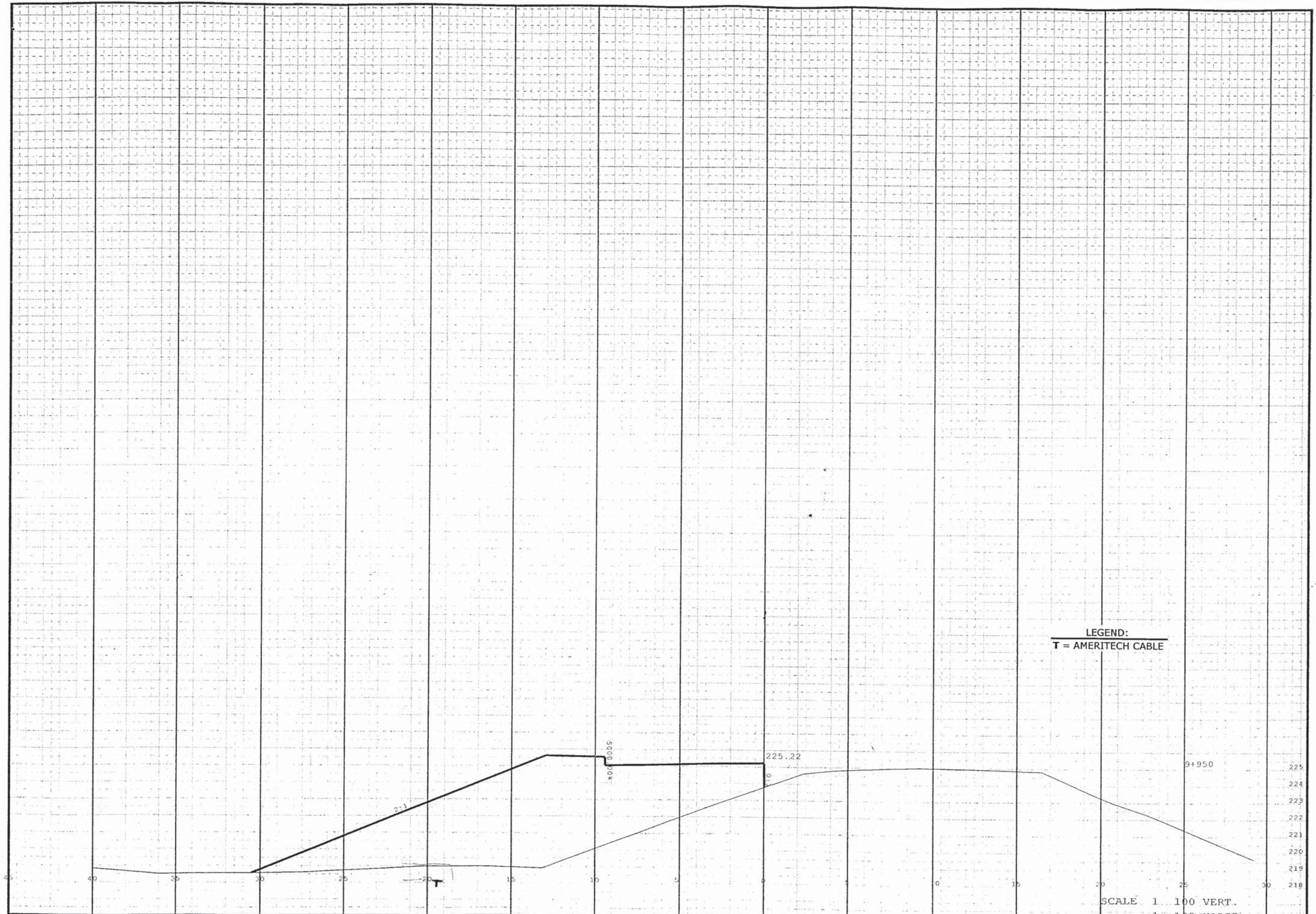
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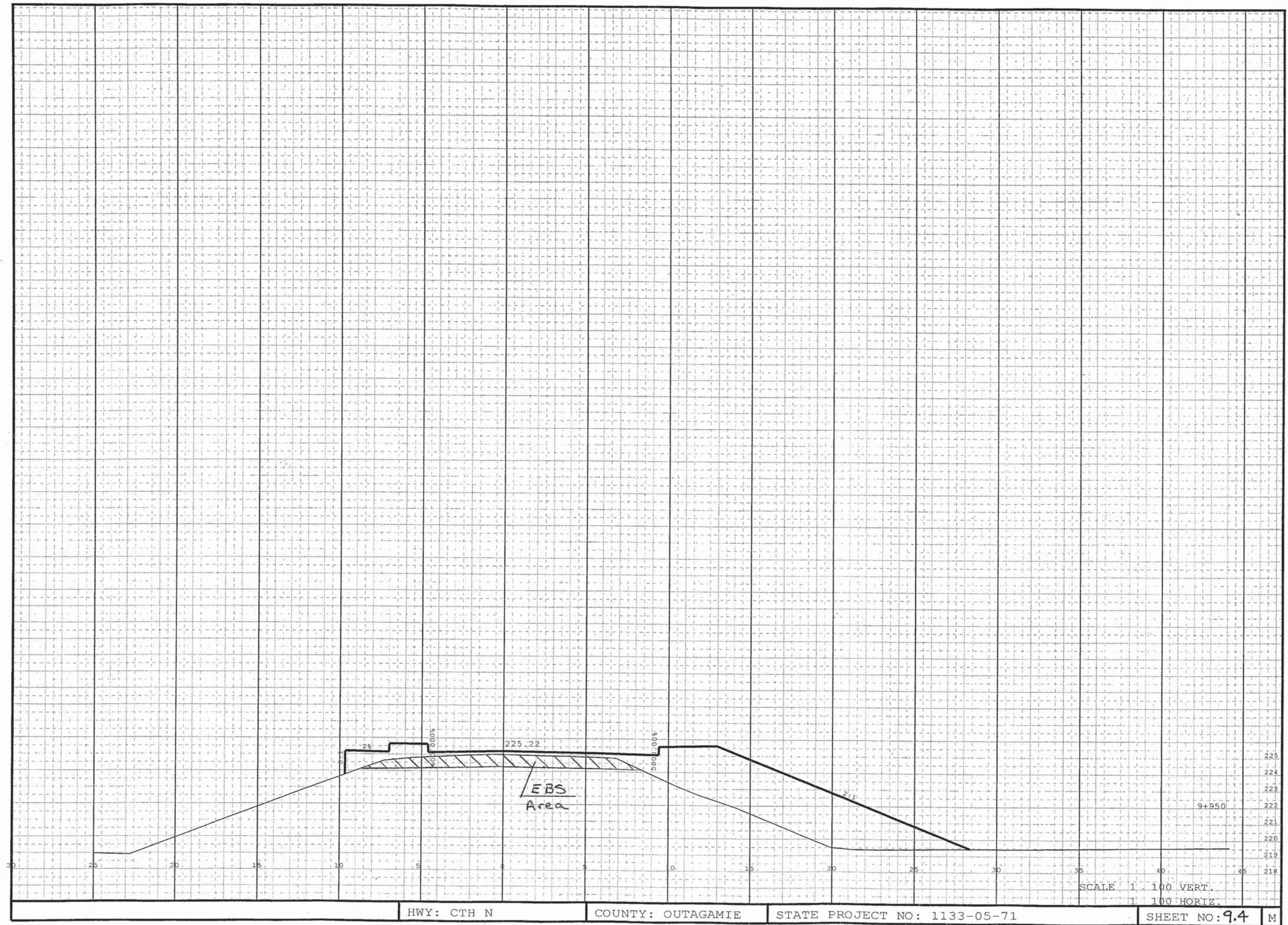


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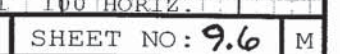
9



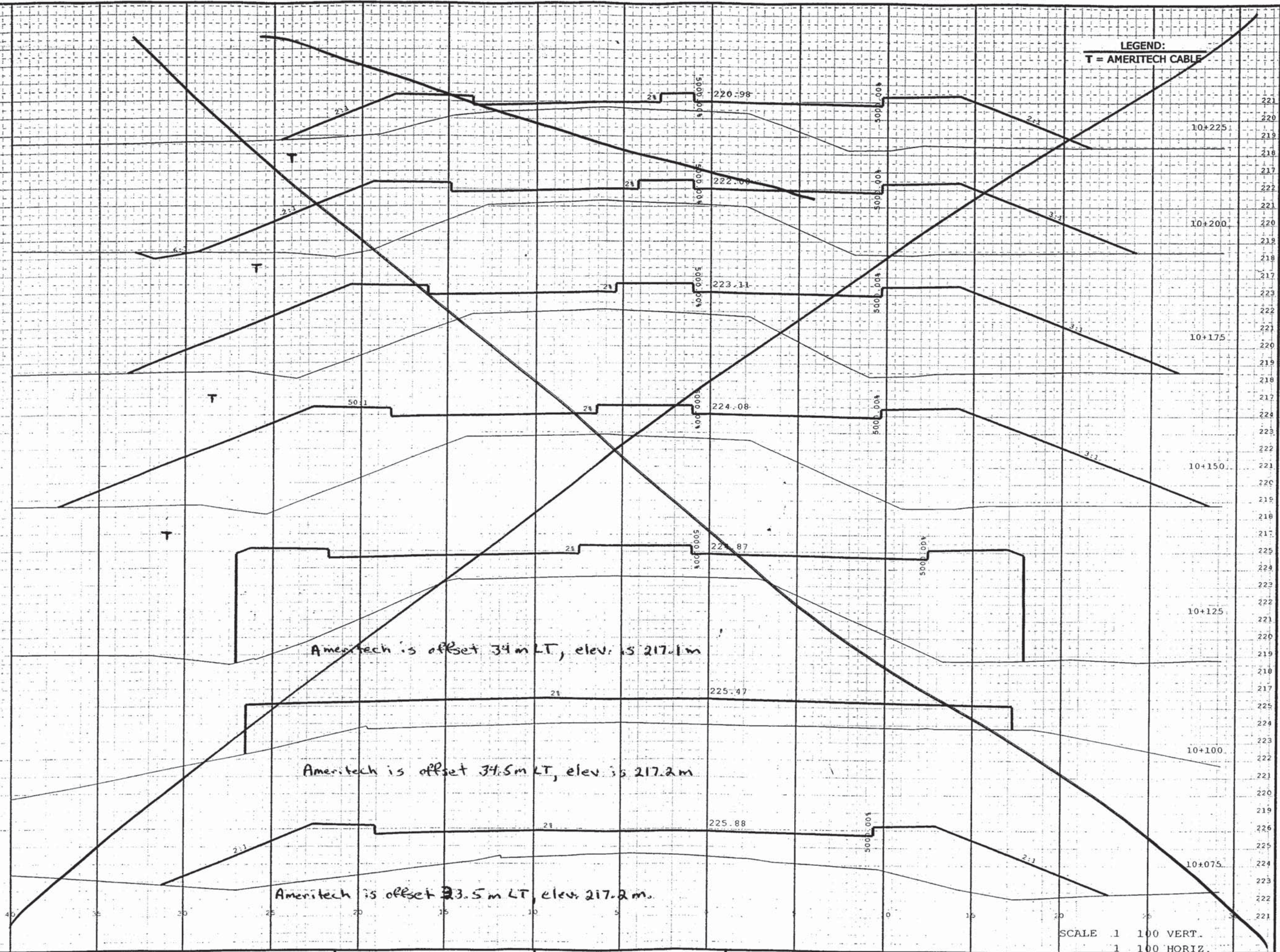


LEGEND:
T = AMERITECH CABLE





LEGEND:
T = AMERITECH CABLE



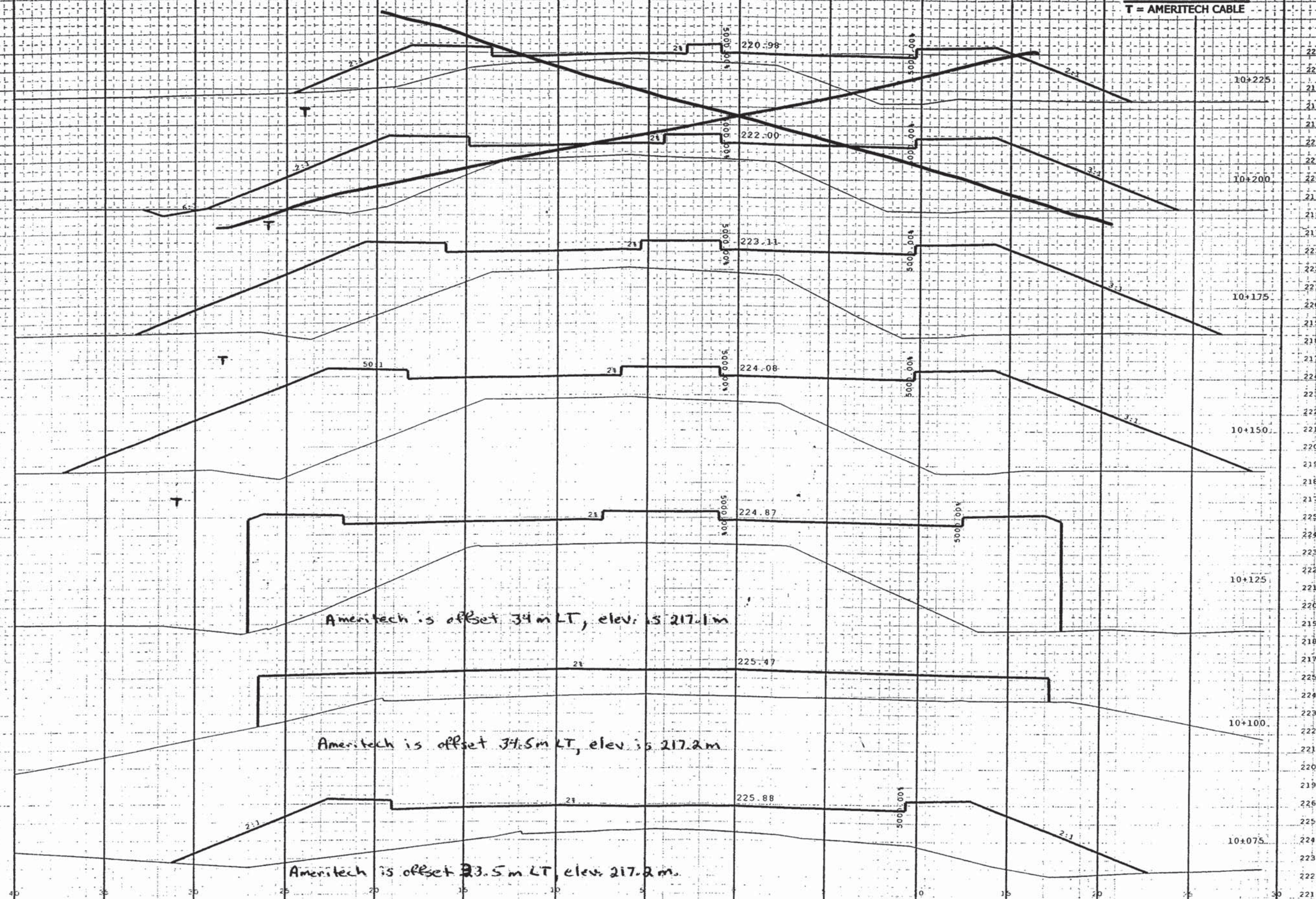
HWY: CTH N

COUNTY: OUTAGAMIE

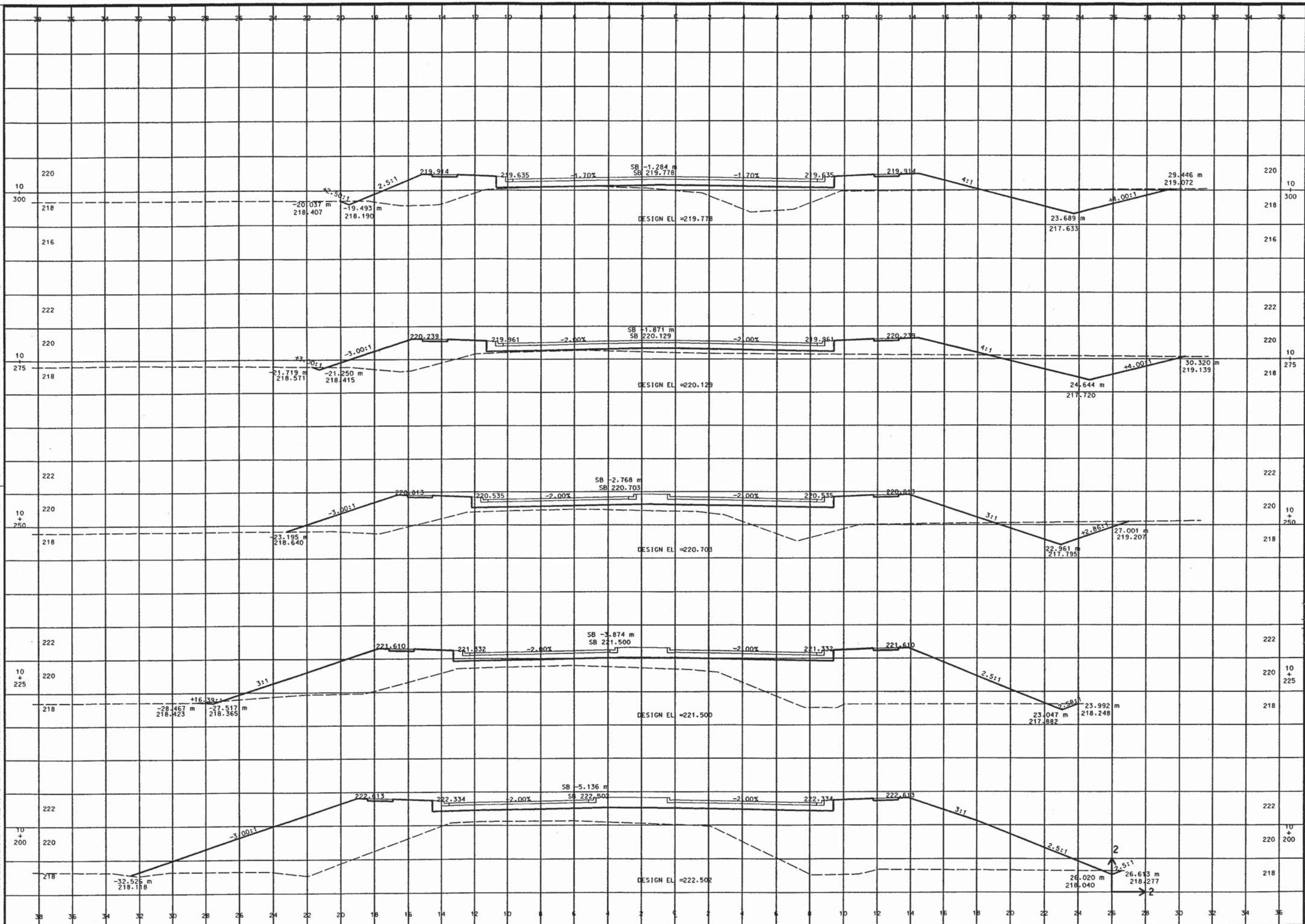
STATE PROJECT NO: 1133-05-71

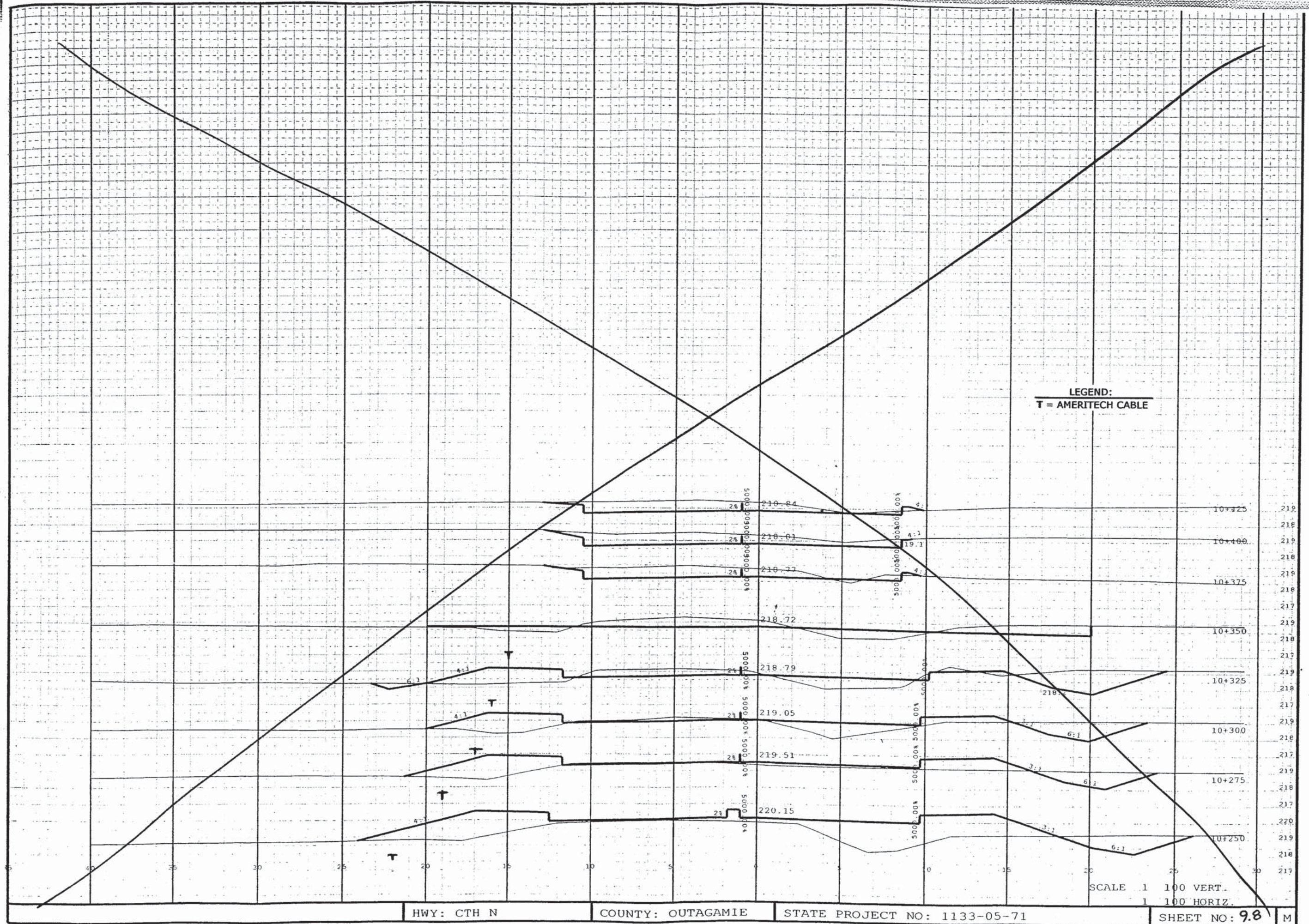
SHEET NO: 9.7 M

LEGEND:
T = AMERITECH CABLE



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HWY: CTH N

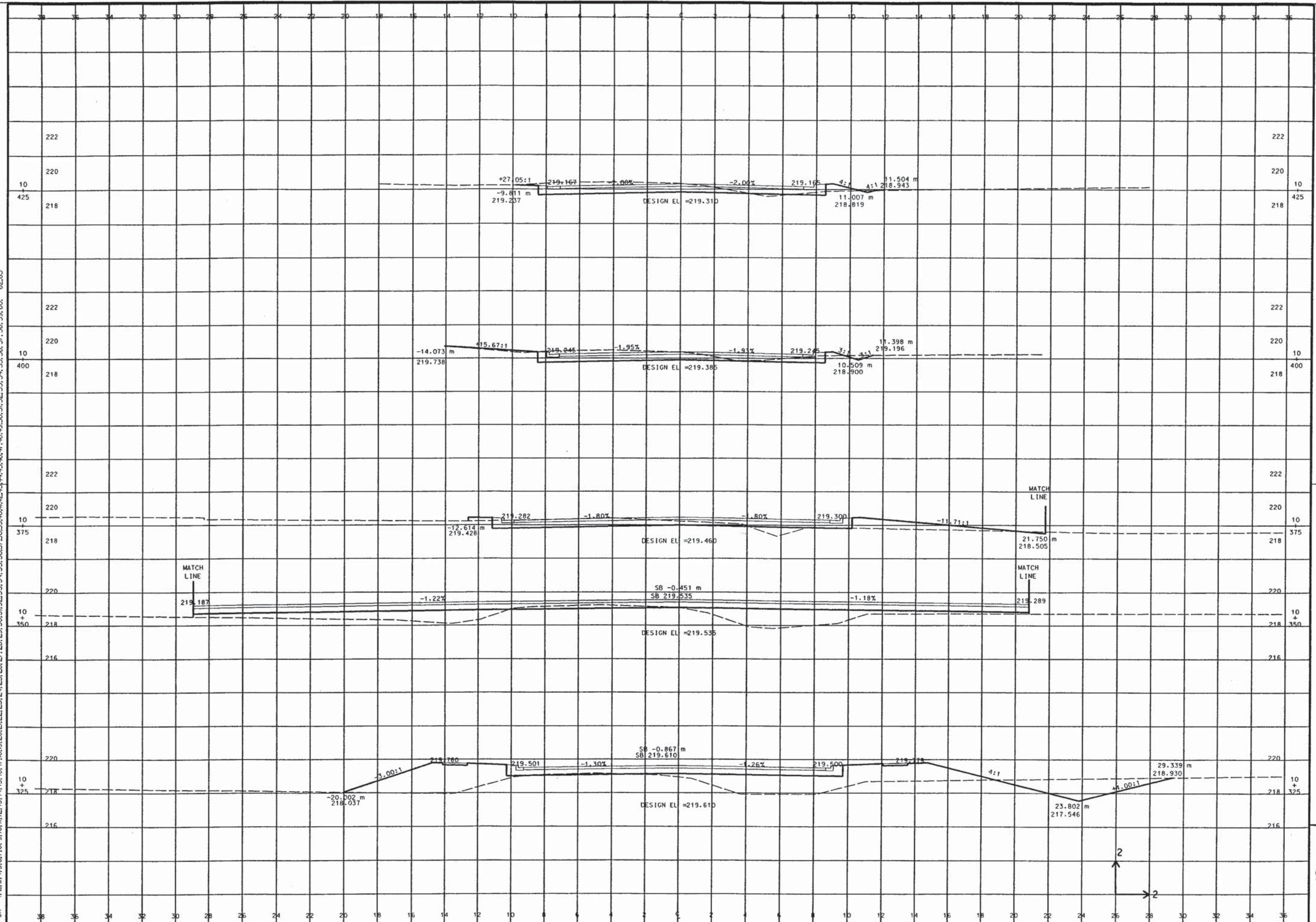
COUNTY: OUTAGAMIE

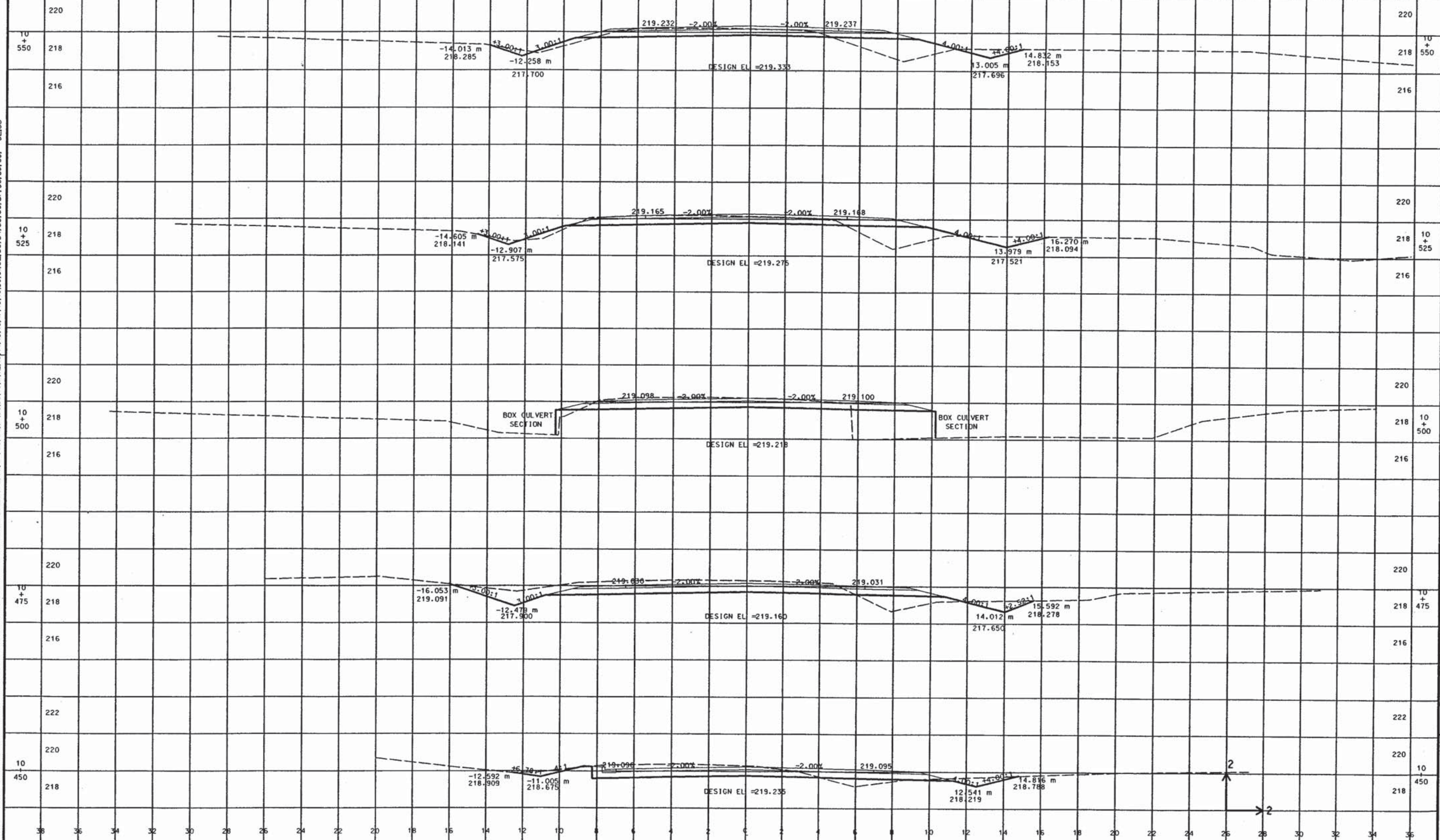
STATE PROJECT NO: 1133-05-71

SHEET NO: 9.8

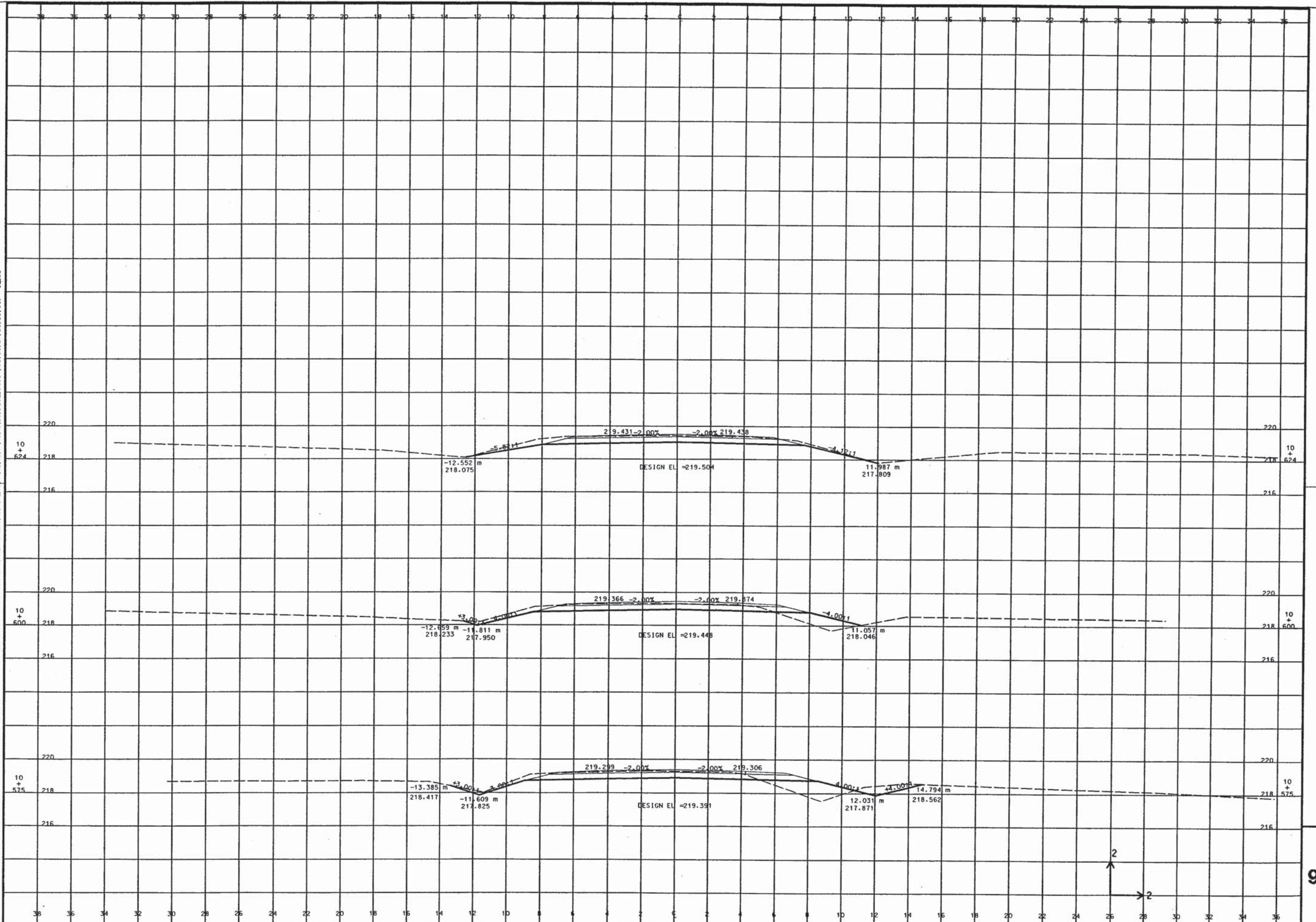
M

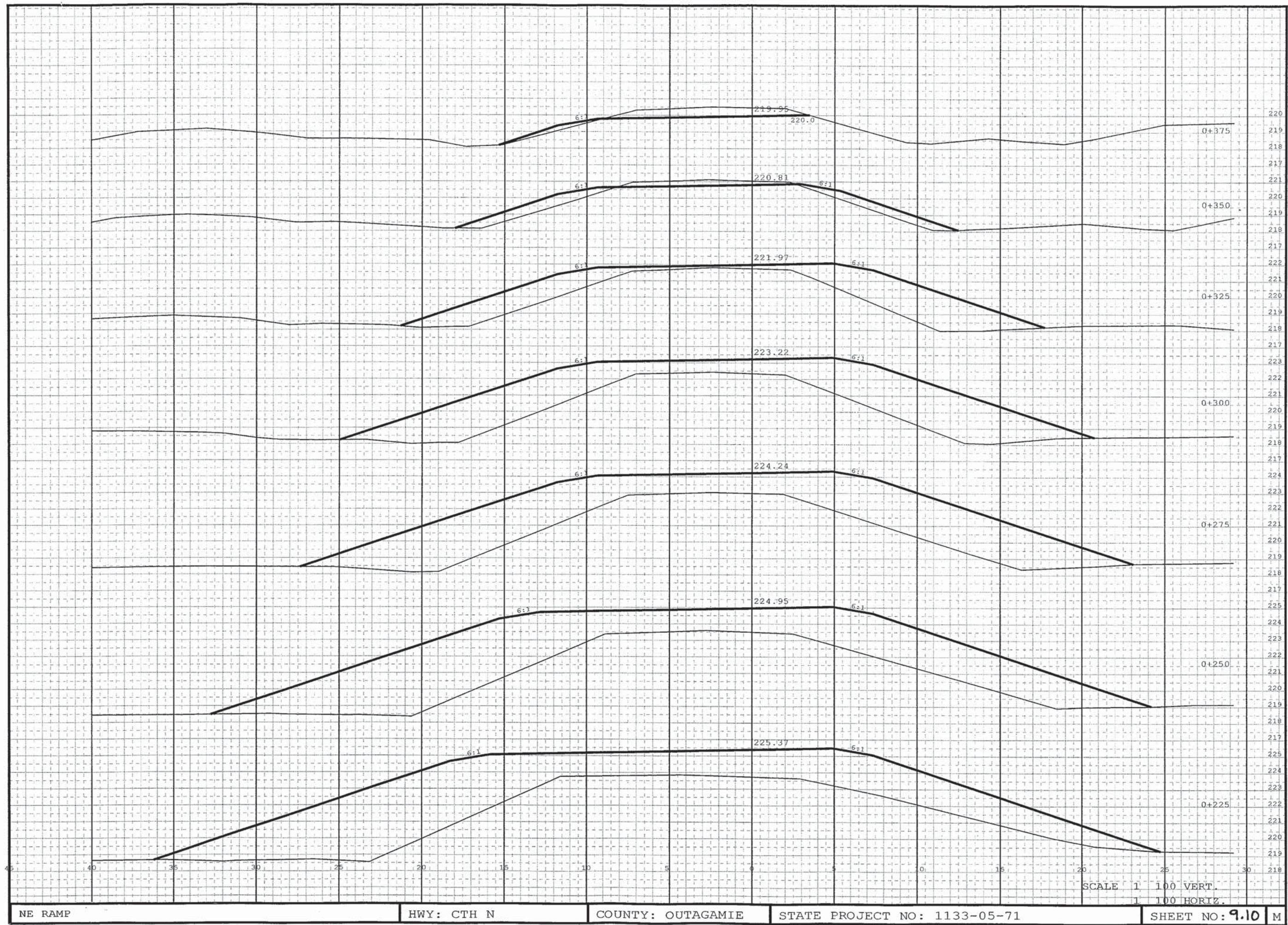
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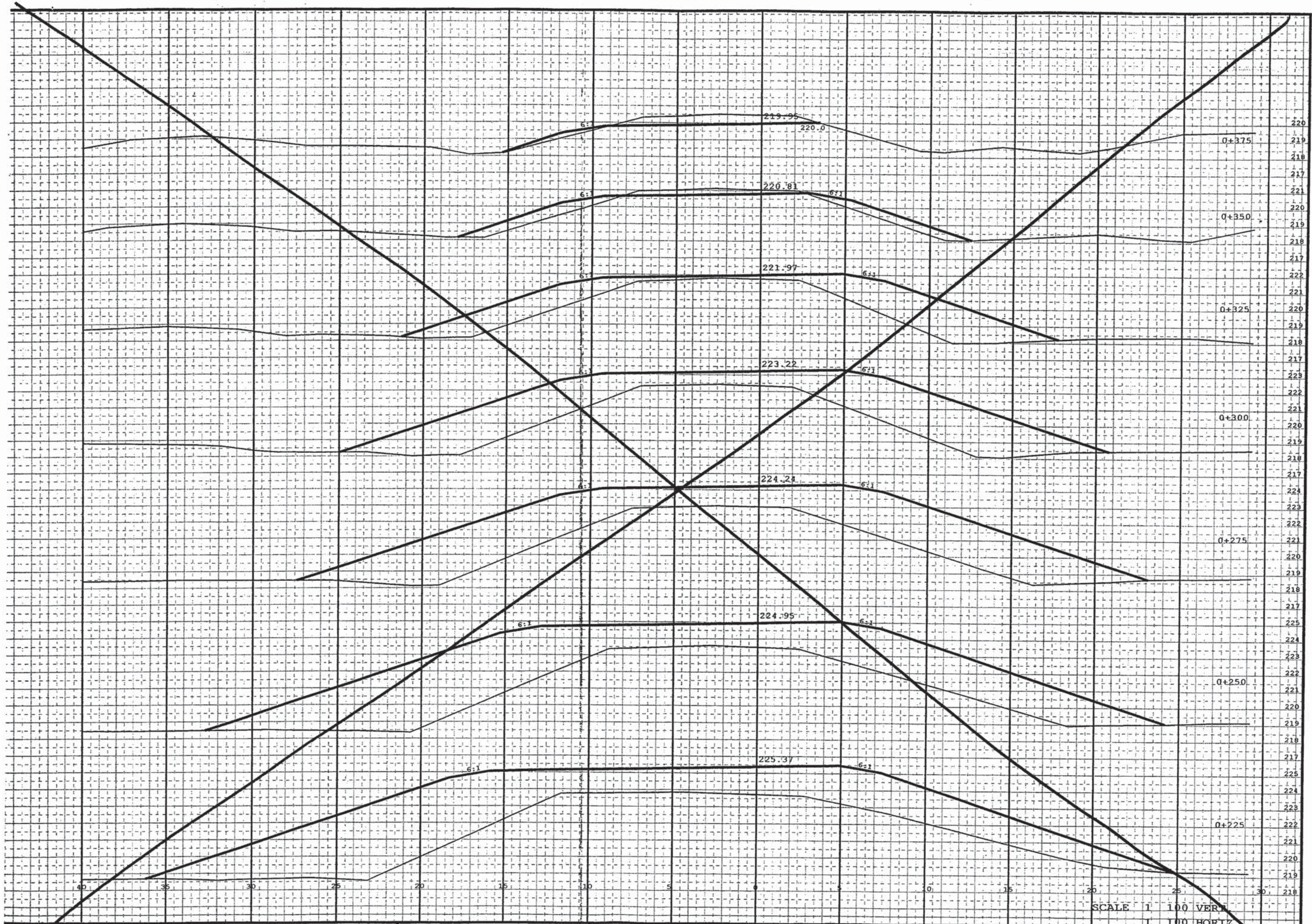




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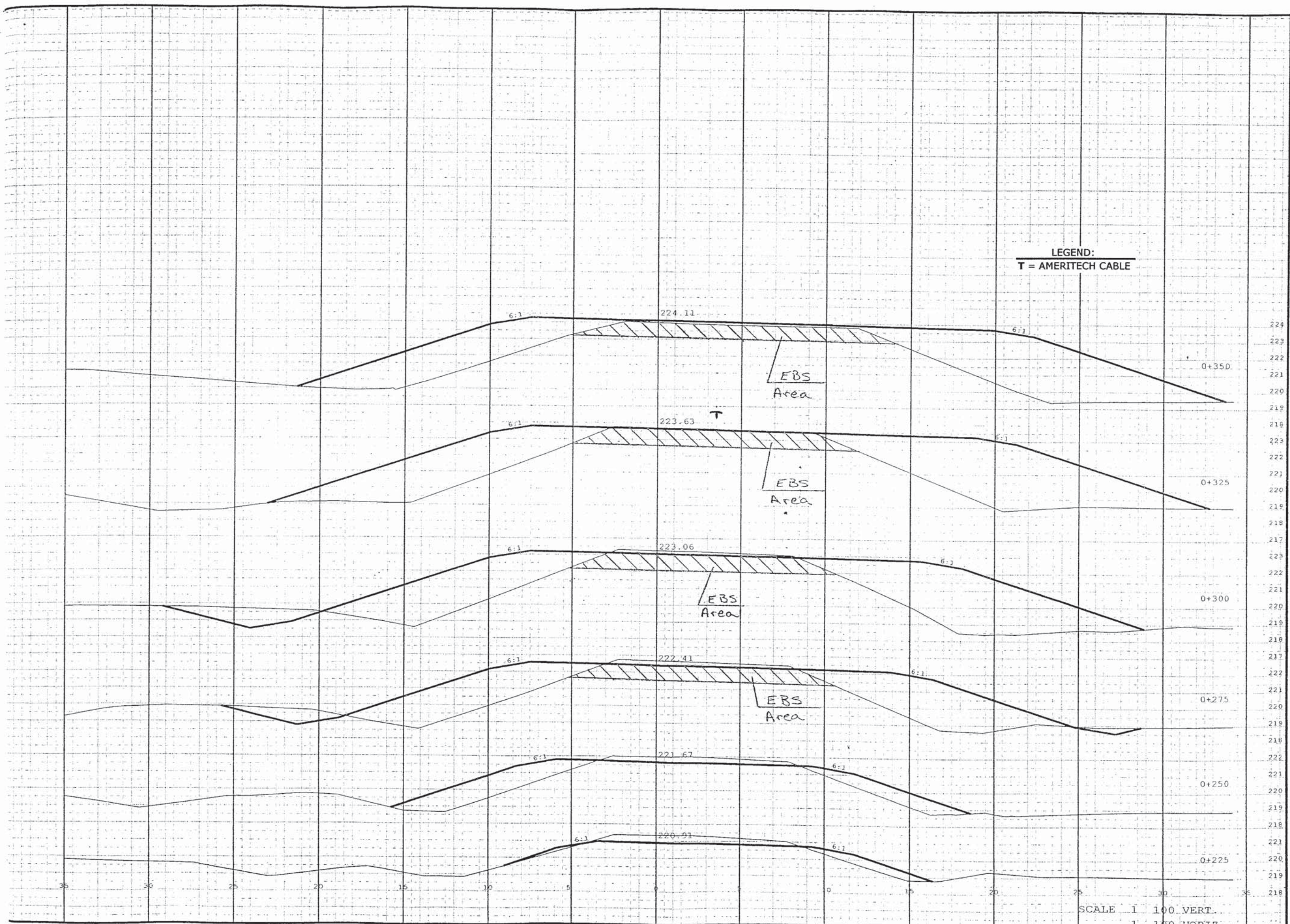
NE RAMP

HWY: CTH N

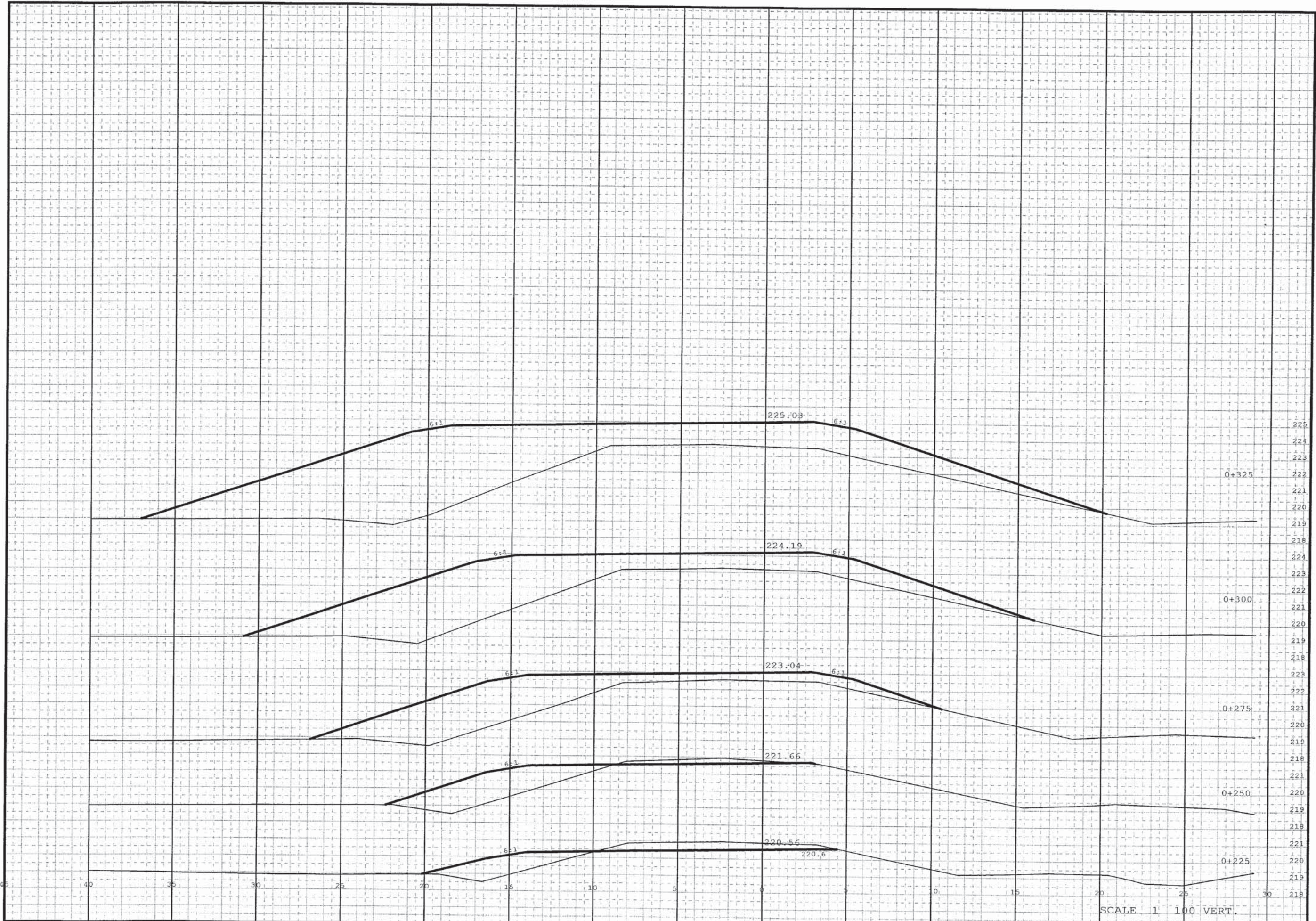
COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SCALE 1" = 100' VERT.
1" = 100' HORIZ.
SHEET NO: 910 M

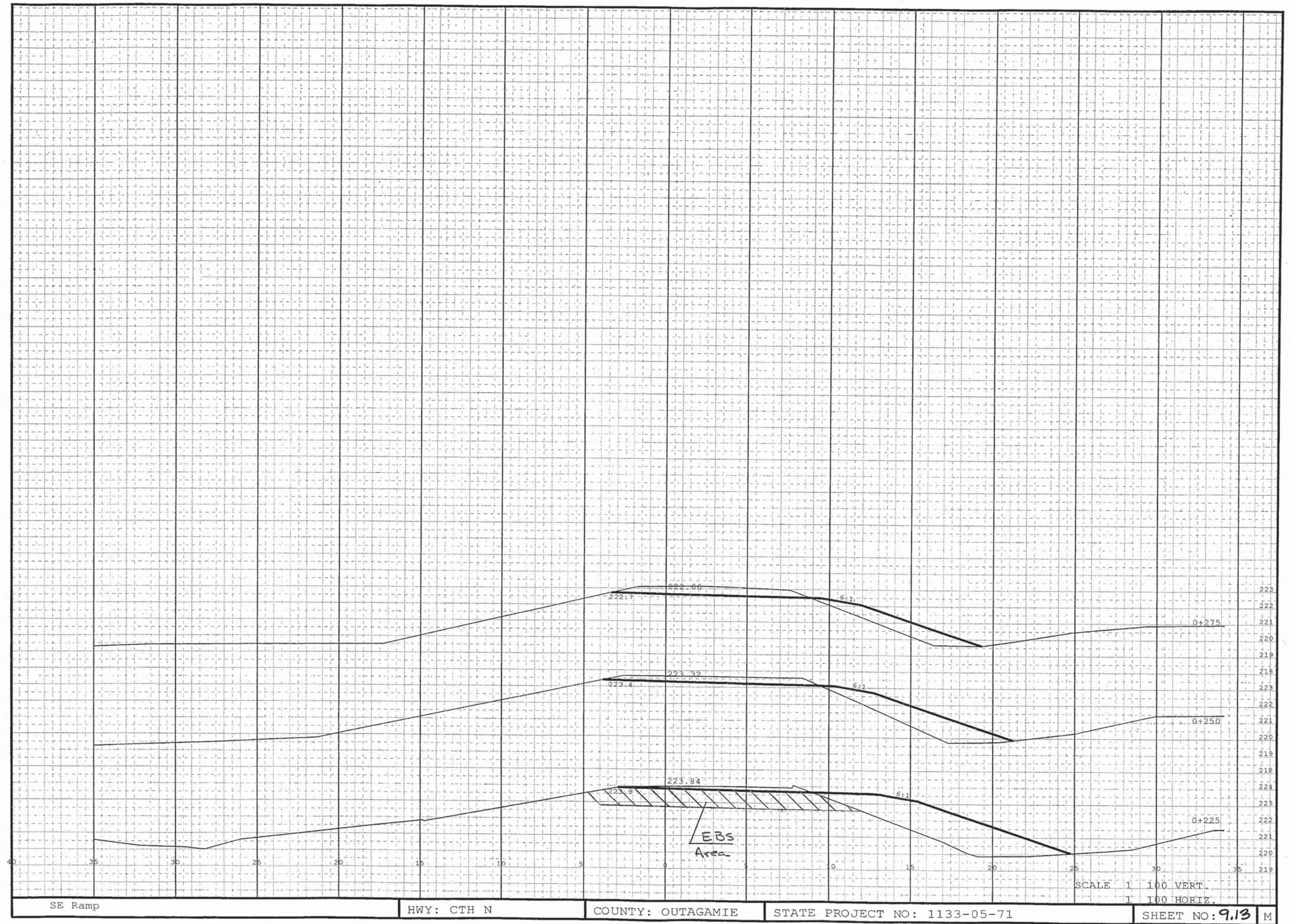


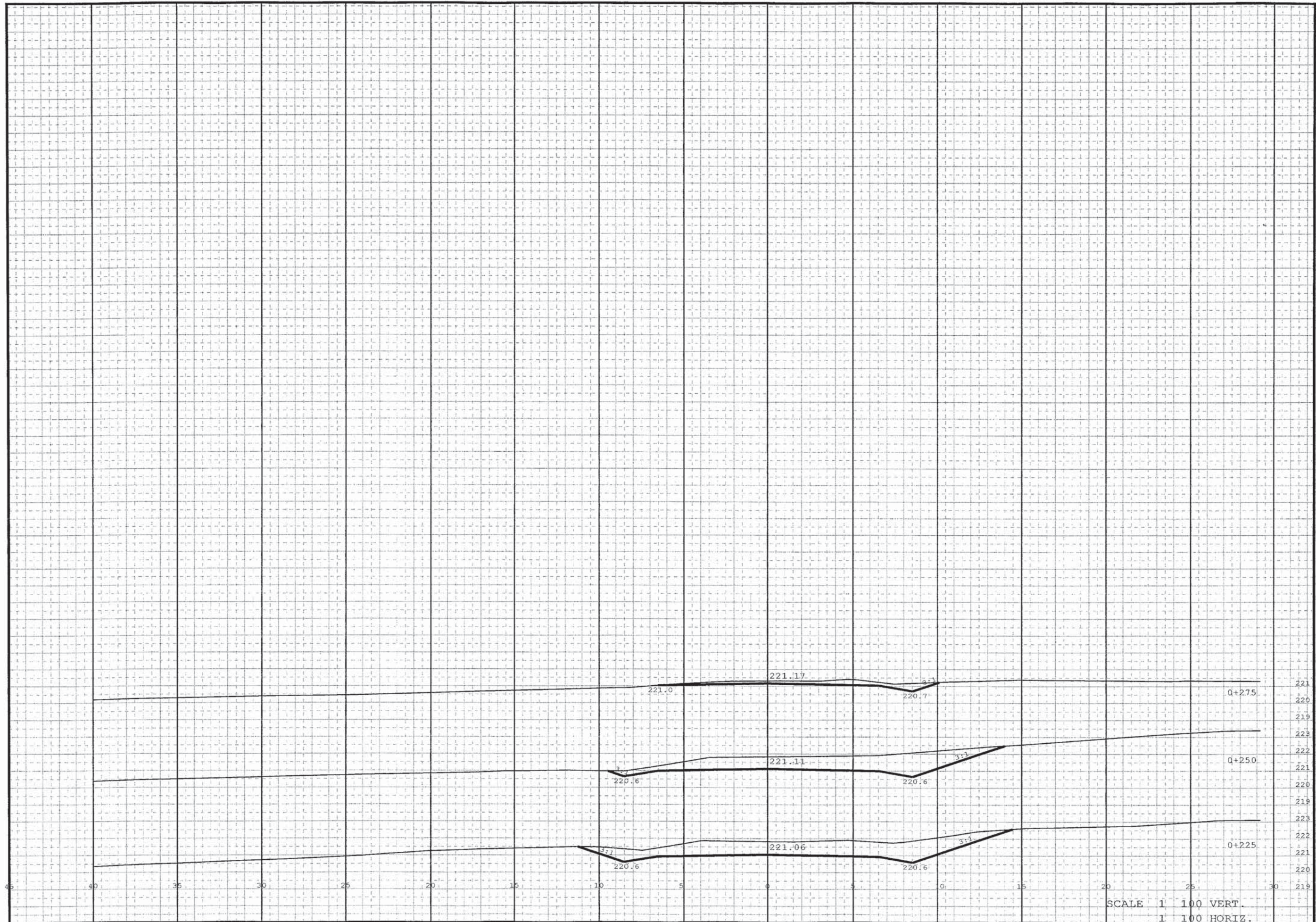
LEGEND:
T = AMERITECH CABLE



SHEET NO: 9.12	M
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SCALE	1	100	VERT.
	1	100	HORIZ.





Moasis Drive Extension

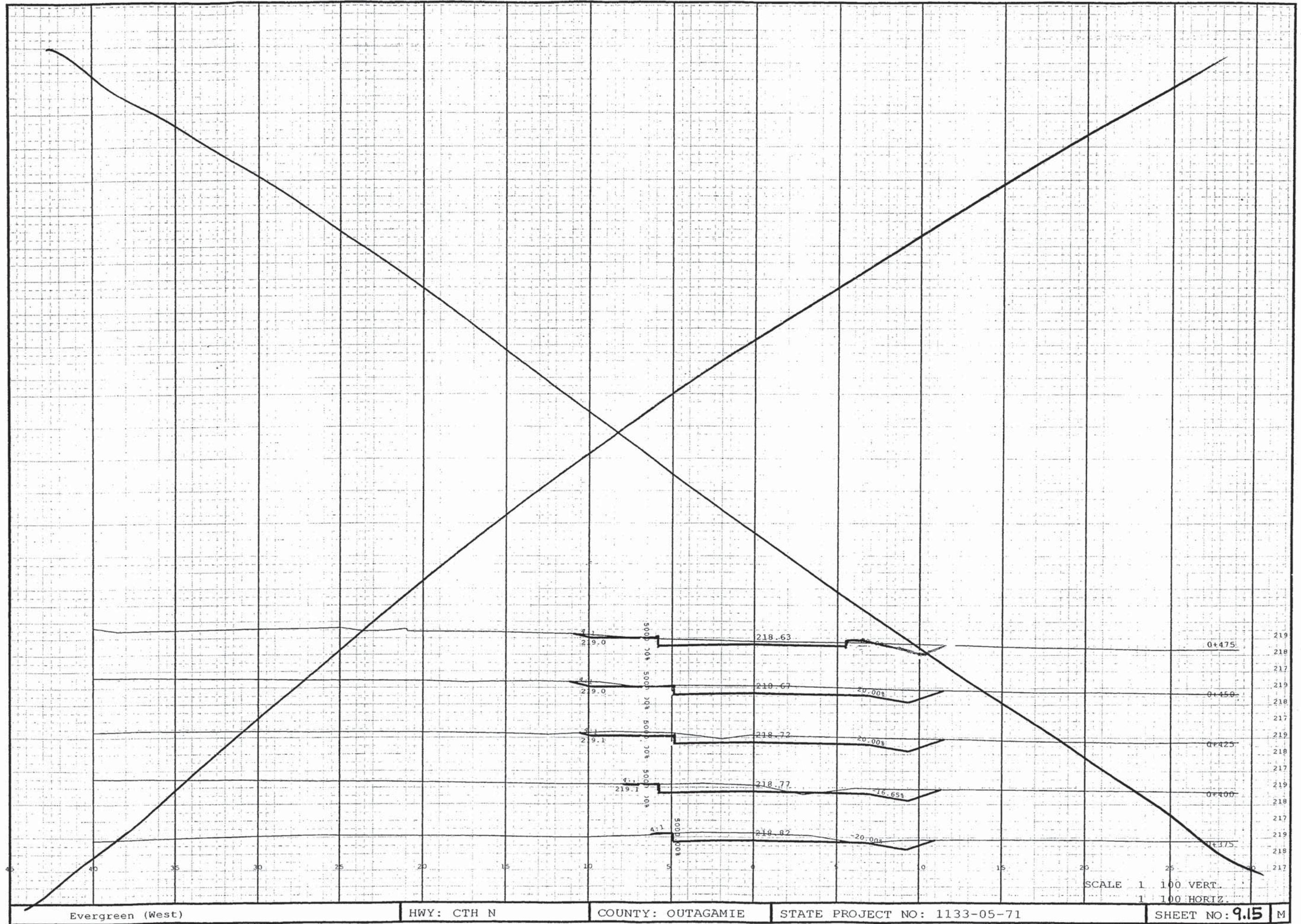
HWY: CTH N

COUNTY: OUTAGAMIE

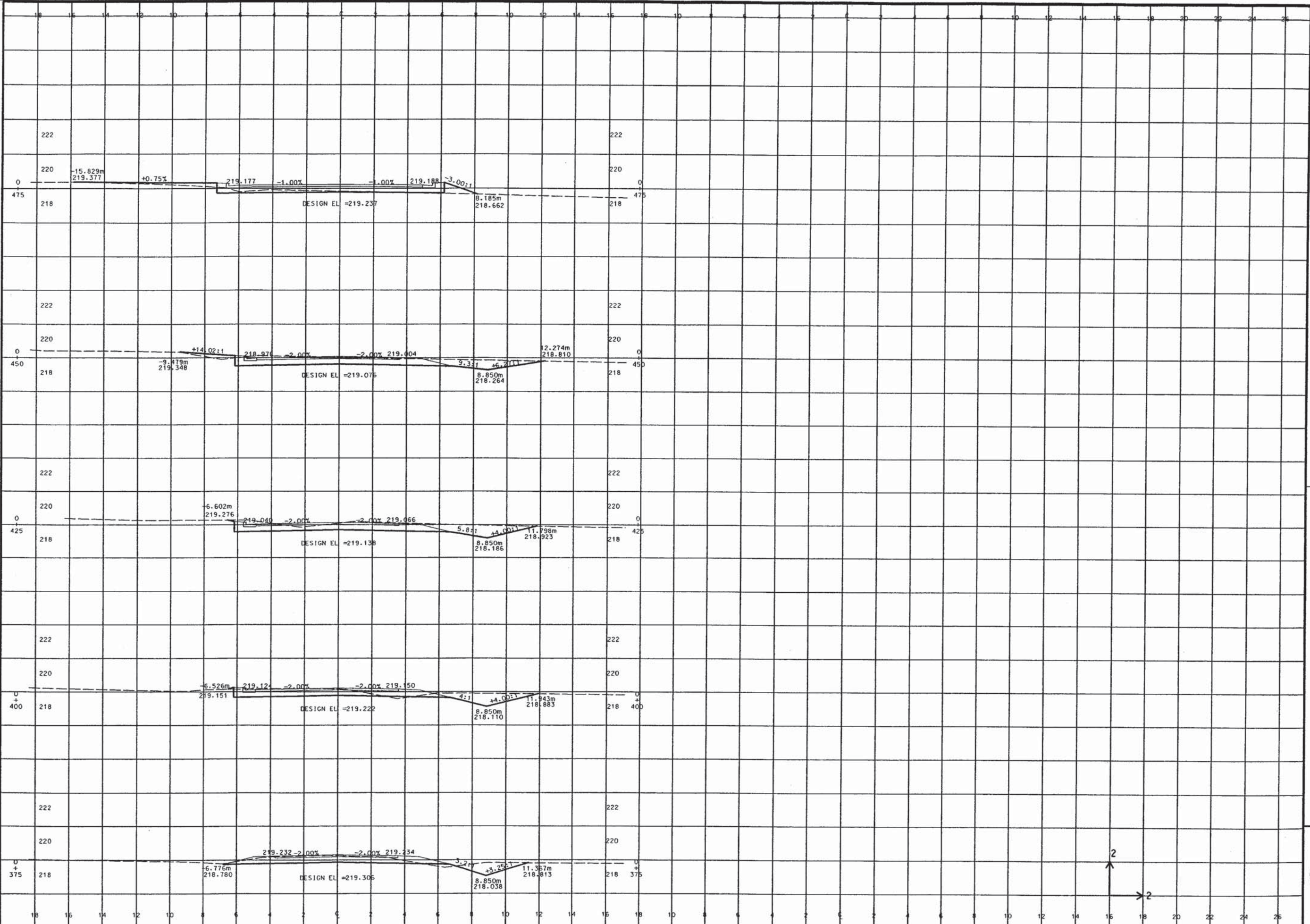
STATE PROJECT NO: 1133-05-71

SCALE 1" = 100' VERT.
1" = 100' HORIZ.

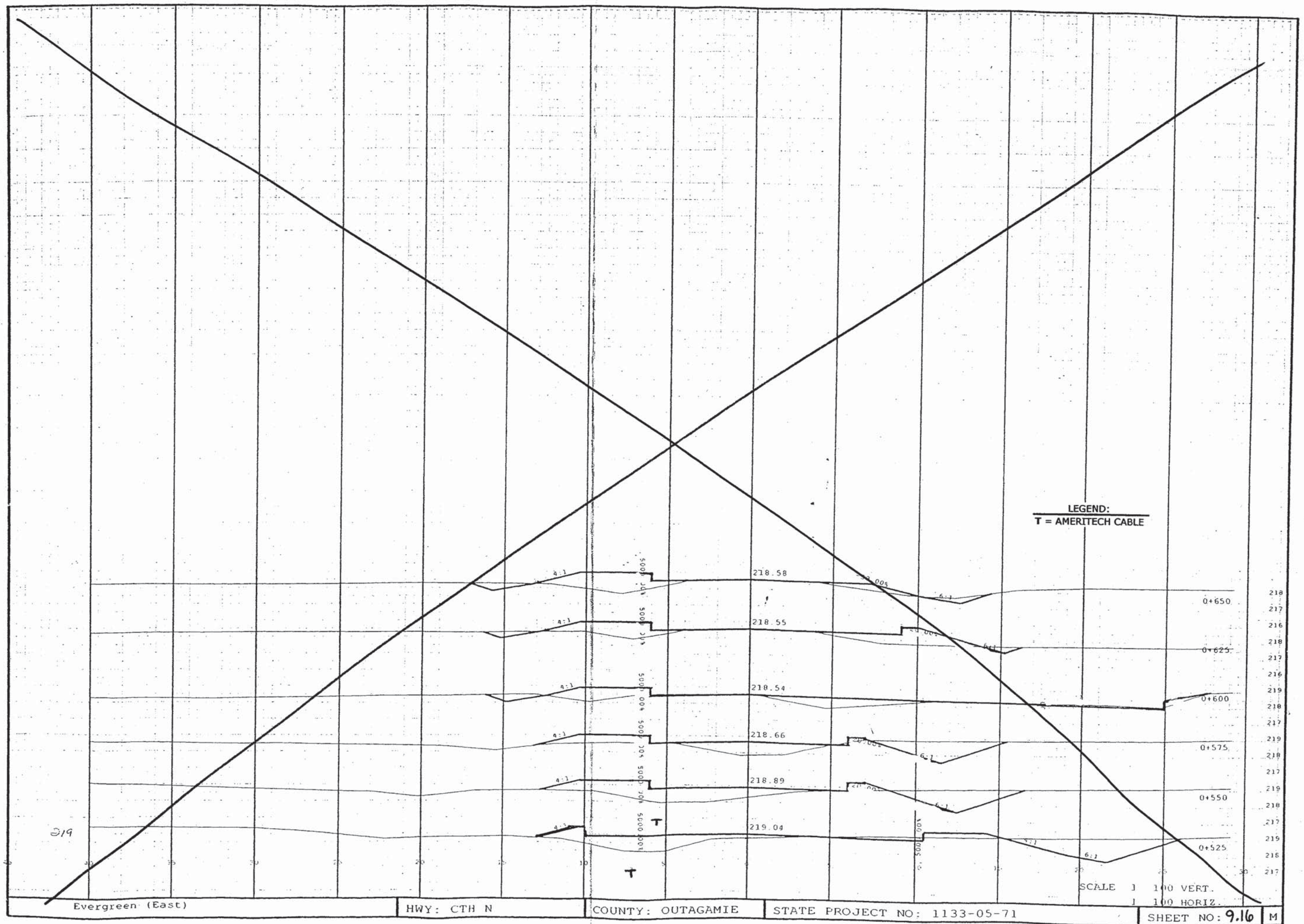
SHEET NO: 9.14 M



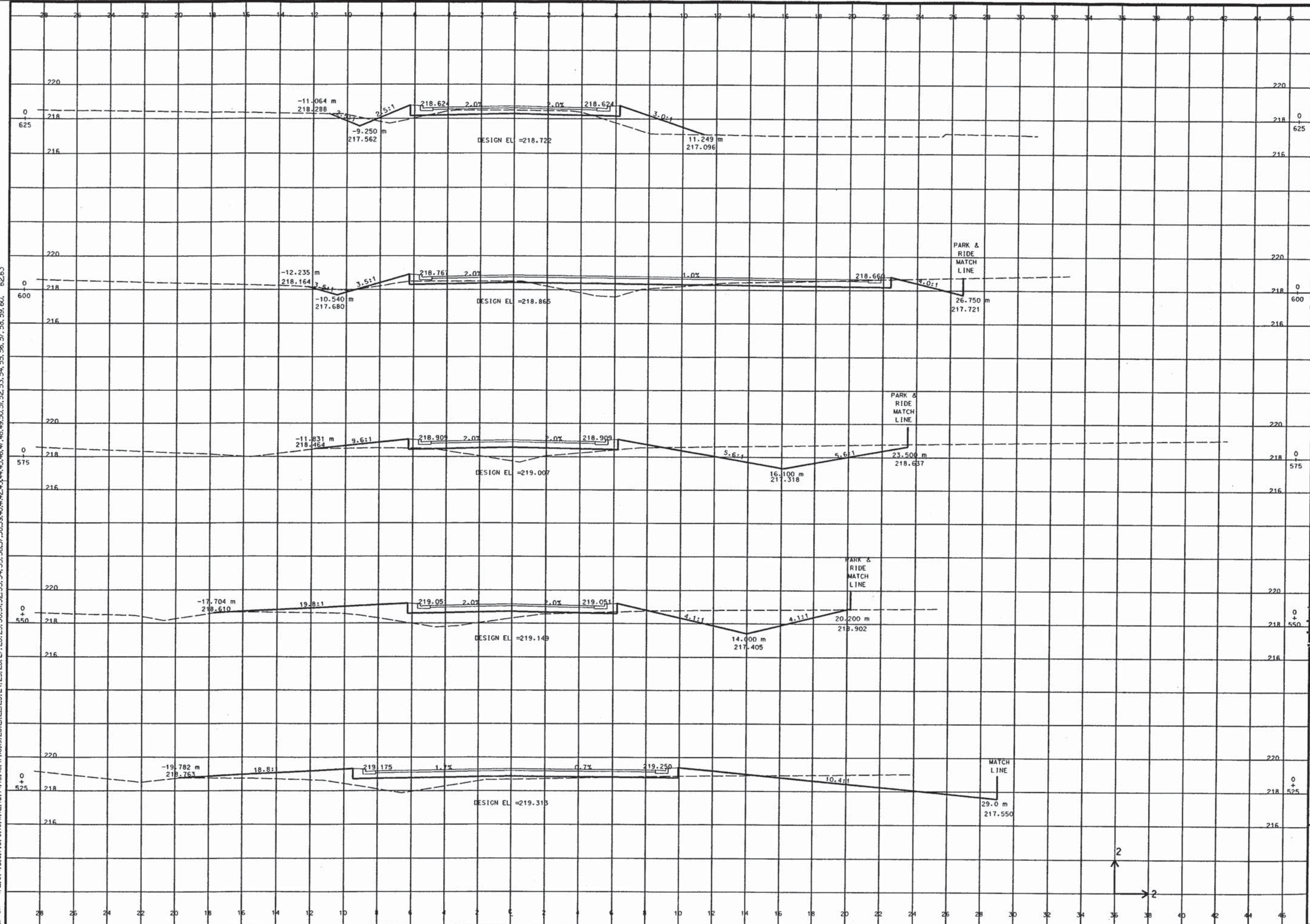
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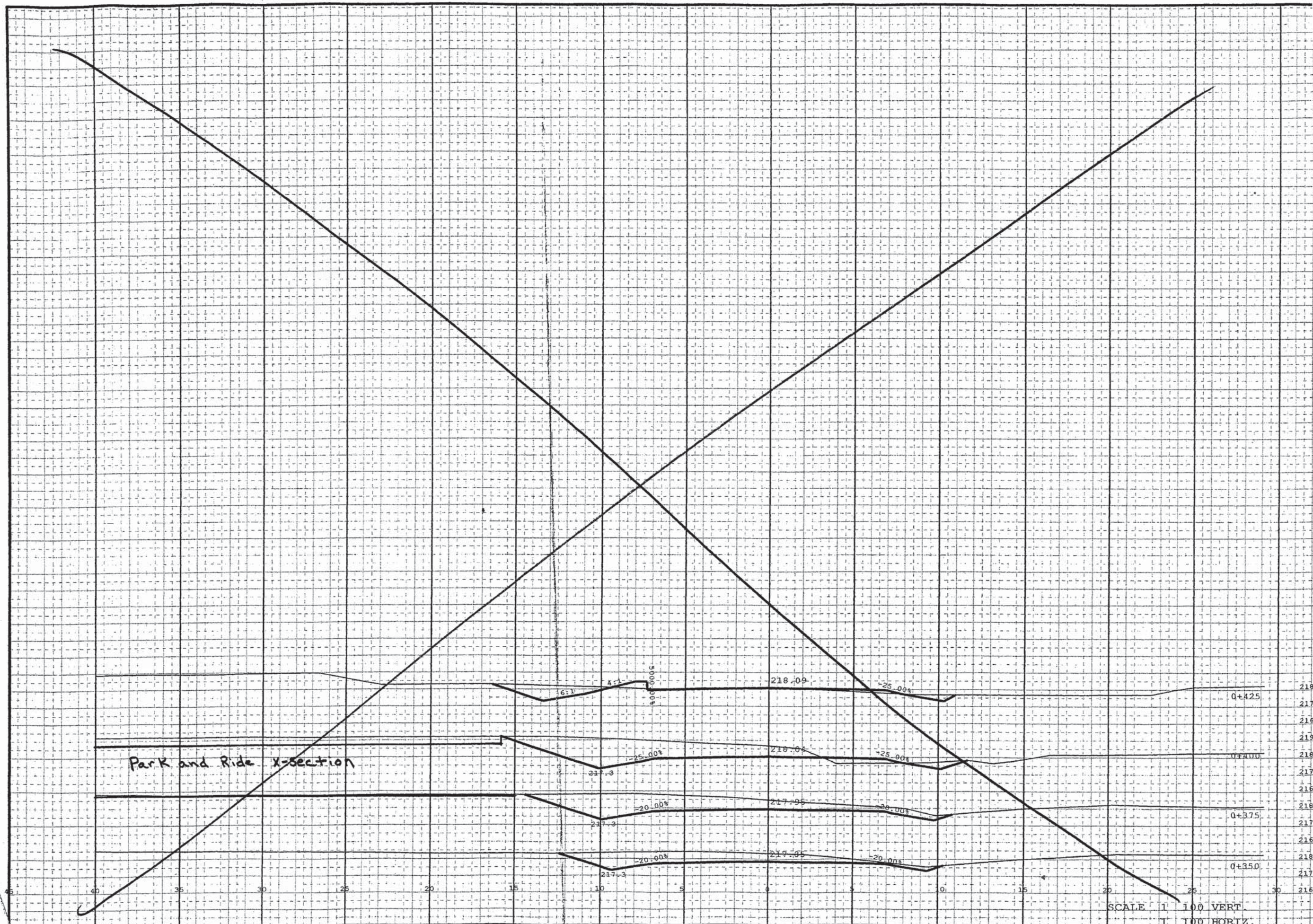


9



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, 62.63





Park and Ride X-section

Randolph Drive

HWY: CTH N

COUNTY: OUTAGAMIE

STATE PROJECT NO: 1133-05-71

SHEET NO: 9.17 M

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, 62, 63

