AS-BUILT PLAN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4994-00-78	STP 1999 653	1
4994-00-82	——	——

METRIC PROJECT

INDEX OF SHEETS

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Sheet No. 3A-3J Miscellaneous Quantities
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Sheet No. 5.1-5.20 Plan and Profile (Includes Erosion Control Plan)
Sheet No 6.1-6.24 Standard Detail Drawings
Sheet No. ——— Sign Plates
Sheet No. ——— Structure Plans
Sheet No. 9.1 Computer Earthwork Data
Sheet No. 9.2-9.40 Cross Sections

TOTAL SHEETS = 117

C.T.H. "AA" - SNELL RD.
(HARRISON STREET - SNELL ROAD)
C.T.H. "A"
WINNEBAGO COUNTY

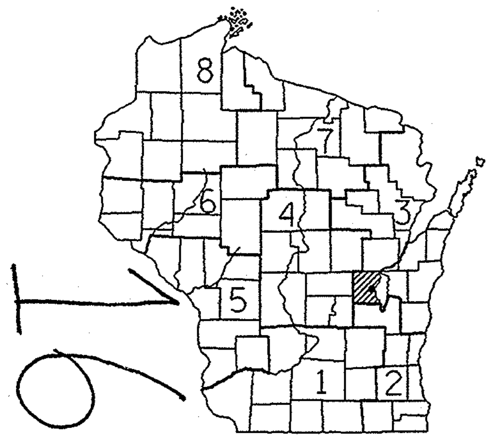
STATE PROJECT NUMBER
4994-00-78

SNELL RD. - C.T.H. "Y"
(SNELL ROAD - SUNNYVIEW ROAD)
C.T.H. "A"
WINNEBAGO COUNTY

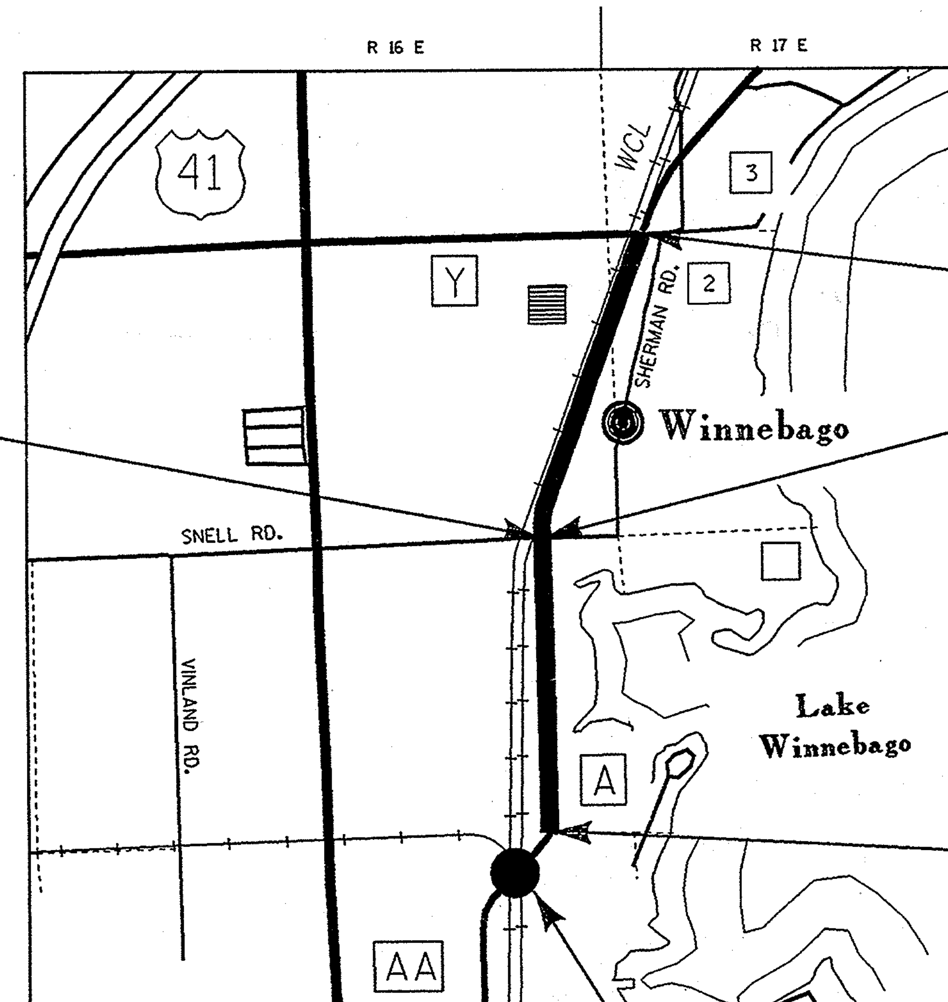
STATE PROJECT NUMBER
4994-00-82

REVISION 05/25/00

AS BUILT PLAN NO.
SUPERVISOR Bruce Enke
RESIDENT Mick Magnotore
CONTRACTOR James Cape
COMPLETED May 15 2001



DISTRICTS



T 19 N
T 18 N

END PROJECT 4994-00-82
STA. 13+410.000

BEGIN PROJECT 4994-00-82
STA. 11+575
X = 727 545 (± 30 m)
Y = 230 845 (± 30 m)

END PROJECT 4994-00-78
STA. 11+575

BEGIN PROJECT 4994-00-78
STA. 10+000.000
X = 727 570 (± 30 m)
Y = 229 260 (± 30 m)

CONSTRUCTION LIMITS FROM STA. 19+932.304 TO STA. 20+000.000 FOR HARRISON ST. AND W.C.L. R.R. CROSSING PAVEMENT GAP

APPROVED FOR WINNEBAGO COUNTY
12/1/98 — Raymond E. Kluger
DATE — COUNTY HIGHWAY COMMISSIONER

PLANS PREPARED BY
AYRES ASSOCIATES — Engineers/Architects, Scientists/Photogrammetrists, Owen Ayres & Associates Inc., Green Bay, Wisconsin

WISCONSIN MARK S. SCHUSTER E-23971 Green Bay, Wis. PROFESSIONAL ENGINEER

DATE: 12/1/98

DESIGN DESIGNATION

A.D.T.	(1999)	=	11,200
A.D.T.	(2019)	=	15,200
D.H.V.	(2019)	=	<10
D.		=	50%
T.		=	5.8%
DESIGN SPEED		=	70 kmPH
ESALS		=	2,576,900

CONVENTIONAL SIGNS

COUNTY LINE
CORPORATE LIMITS
PROPERTY LINE
LOT LINE
LIMITED HIGHWAY EASEMENT
EXISTING RIGHT OF WAY
NEW RIGHT OF WAY
REFERENCE LINE
SLOPE INTERCEPT
ORIGINAL GROUND
MARSH OR ROCK PROFILE
CULVERT IN PLACE
CULVERT REQUIRED
CULVERT REQUIRED (Profile)

COMBUSTIBLE FLUIDS (UNDER PRESSURE) — CAUTION
UNDERGROUND UTILITIES
GAS — G
ELECTRIC — E
TELEPHONE — T
SERVICE PEDESTAL
CABLE MARKER — P
POWER POLE
TELEPHONE POLE
RAILROADS
MARSH
WOODED AREA
SILT FENCE
EROSION MAT
EROSION BALES

LAYOUT
SCALE 0 — 1 km

TOTAL NET LENGTH OF CENTERLINE = 1.575 KM (URBAN) 0.979 MILES
TOTAL NET LENGTH OF CENTERLINE = 1.835 KM (URBAN) 1.140 MILES

ALL COORDINATES SHOWN ON THIS PLAN ARE SCALED FROM U.S.G.S. TOPOGRAPHIC MAP, OSHKOSH, WI., 7.5 MINUTE QUADRANGLE, CENTRAL ZONE, FOR IDENTIFICATION ONLY.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor	AYRES ASSOCIATES
Designer	AYRES ASSOCIATES
District Examiner	ROB WAGNER
District Supervisor	BRUCE ENKE
Proj. Dev. Engineer	
C.O. Examiner	M.A. MOHLMAN

APPROVED FOR DISTRICT OFFICE
DATE 5/18/99 — Bruce Enke (Signature)

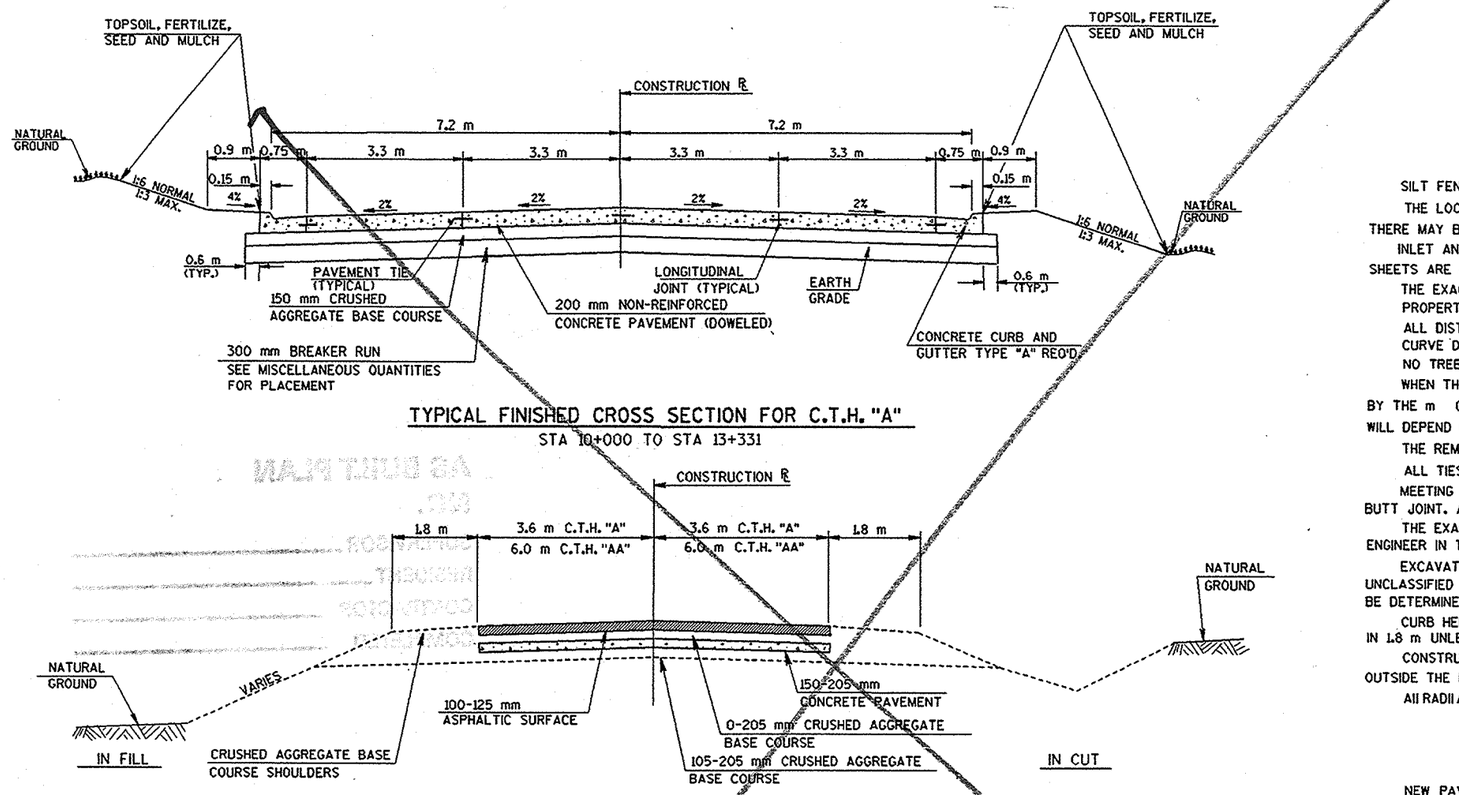
ORIGINATOR: CEE — REV. DATE: — PLOT NAME: TITLE.PRF — SCALE: — CHECKED BY: DESIGNER: REVIEWER: — DATE: DATE:

4994-00-78, 4994-00-82 WINNEBAGO

Sept 99

4994-00-77 & 4994-00-81

WISDOT: MSHT16



TYPICAL FINISHED CROSS SECTION FOR C.T.H. "A"

STA 10+000 TO STA 13+331

EXISTING TYPICAL FOR C.T.H. "A" AND C.T.H. "AA"

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WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

GENERAL NOTES

SILT FENCE DELIVERED SHALL MEET THE MATERIAL SPECIFICATIONS FOR SILTY SOILS.

THE LOCATION 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.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN SHEETS ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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ALL DISTANCES ARE GROUND DISTANCES.

CURVE DATA IS BASED ON RADIUS DEFINITION.

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WHEN THE QUANTITY OF THE ITEM OF BASE COURSE OR SURFACE COURSE IS MEASURED BY THE m OR Mg3, THE DEPTH OR THICKNESS AS SHOWN IS APPROXIMATE. THE ACTUAL THICKNESS WILL DEPEND ON THE DISTIRIBUTION OF MATERIALS AS DIRECTED BY THE ENGINEER.

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ALL TIES ON THIS PLAN ARE HORIZONTAL UNLESS DESCRIBED OTHERWISE.

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CONSTRUCTION PERMITS HAVE BEEN ACQUIRED FOR THE WORK TO BE PERFORMED OUTSIDE THE RIGHT-OF-WAY AND THESE RIGHTS HAVE BEEN EXTENDED TO THE CONTRACTOR.

All RADII ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.

RUNOFF COEFFICIENTS

NEW PAVEMENT	0.90	EXISTING PAVEMENT	0.80
NEW SLOPES	0.27	EXISTING SLOPES	0.27

TOTAL PROJECT AREA 7.4 HECTARES TOTAL DISTURBED AREA 6.6 HECTARES

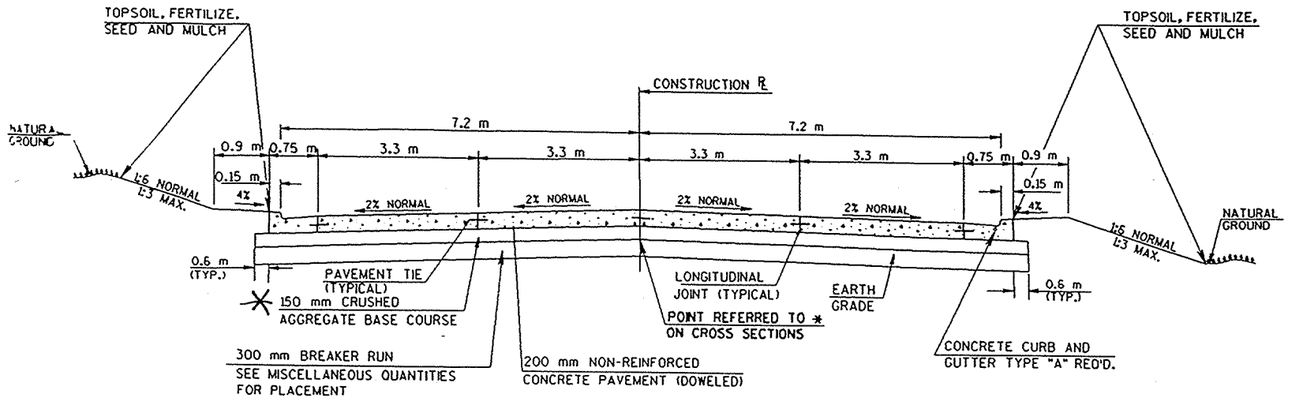
METRIC STANDARD DETAIL DRAWINGS

8A5-15a,b,&d	INLET COVERS
8B6-3	MANHOLES, TYPE 1
8B7-3	MANHOLES, TYPE 2 AND 3
8C1-5	INLETS, TYPE 1, 2, 3, AND 4
8D1-12	CONCRETE CURB, CONCRETE CURB AND GUTTER AND PAVEMENT TIES
8E9-5	SILT FENCE
8F1-11	APRON ENDWALLS FOR CULVERT PIPE
8F4-5	JOINT TIES FOR CONCRETE PIPE
8F10-1	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
9A1-11a	AT-GRADE SIDE ROAD INTERSECTIONS, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE
9A1-11b	AT-GRADE SIDE ROAD INTERSECTIONS, TYPE "A"
9B2-6	CONDUIT
13B1-4	PAVEMENT DETAILS FOR RAILROAD APPROACH
13C1-10	CONCRETE PAVEMENT LONGITUDIANL JOINTS AND PAVEMENT TIES
13C13-3	URBAN DOWELED CONCRETE PAVEMENT
15C2-3	BARRICADES AND SIGNS FOR ROAD CLOSURES
15C8-8a	PAVEMENT MARKING (MAINLINE)
15C8-8b	PAVEMENT MARKING (INTERSECTIONS)
15C8-8e	PAVEMENT MARKINGS (ISLANDS, STOPLINES, AND CROSSWALKS)
15C9-3	PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-5	FLEXIBLE TUBULAR MARKER POSTS, ANCHORS, AND BASES
15D6-2	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

TYPICAL SECTION, GENERAL NOTES, AND UTILITIES	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78,4994-00-82	SHEET NO: 2.1	M

REVISED SHEET

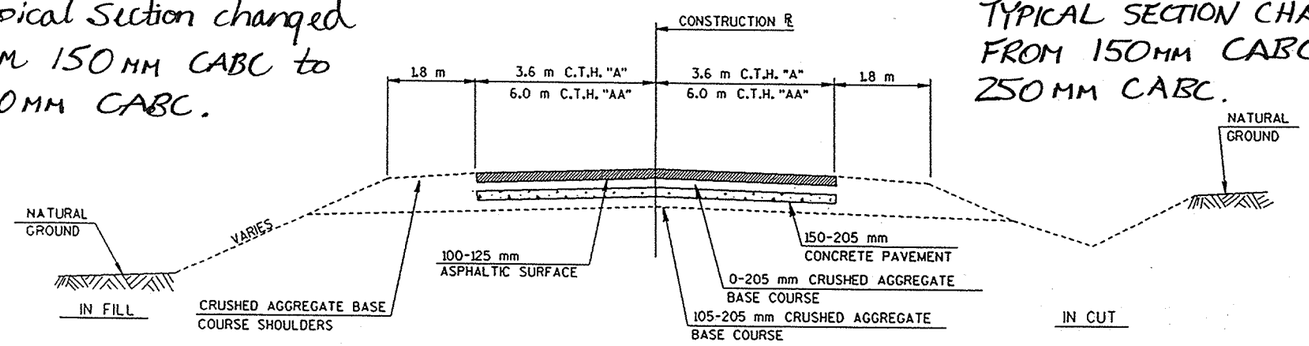
*-ADDED NOTES
REVISED 4/7/00



TYPICAL FINISHED CROSS SECTION FOR C.T.H. "A"
STA 10+000 TO STA 13+331

* STA. 10+000 - STA. 11+560
Typical Section changed from 150 mm CABC to 300 mm CABC.

* STA. 11+560 - STA. 13+320
TYPICAL SECTION CHANGED FROM 150mm CABC to 250 mm CABC.



EXISTING TYPICAL FOR C.T.H. "A" AND C.T.H. "AA"

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* THE ELEVATION NOTED ON THE CROSS SECTIONS, IS THE SUBGRADE ELEVATION AT THE BOTTOM OF THE BASE COURSE, BUT ABOVE THE BREAKER RUN.

* MARSH EXCAVATION LIMITS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

* MARSH EXCAVATION CAN BE USED AS FILL ACCORDING TO THE TYPICAL MARSH EXCAVATION DETAIL.

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15C9-3	PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-5	FLEXIBLE TUBULAR MARKER POSTS, ANCHORS, AND BASES
15D6-2	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
11B1-1	CONCRETE CORRUGATED MEDIAN

UTILITIES

AMERITECH
221 WEST WASHINGTON STREET
FOURTH FLOOR OSPE
APPLETON, WISCONSIN 54911
ATTENTION: JOE FEMLING
TELEPHONE 1-920-735-3250
FAX 1-920-735-3073

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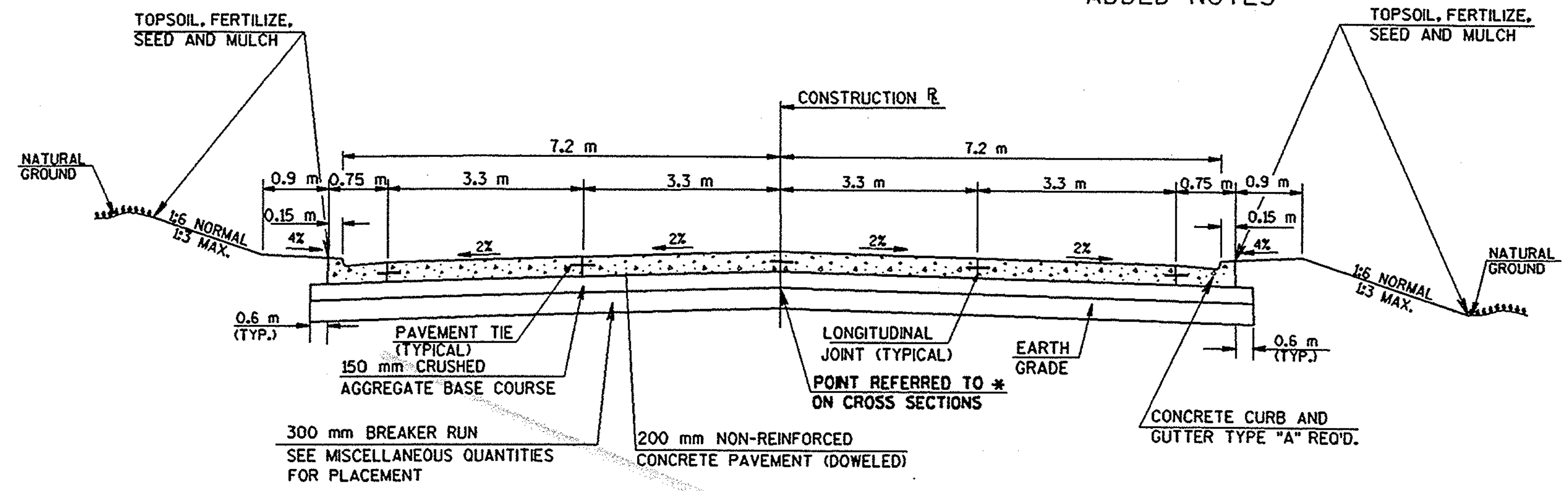
WISDOT: MSHT42

REVISED SHEET

*-ADDED NOTES



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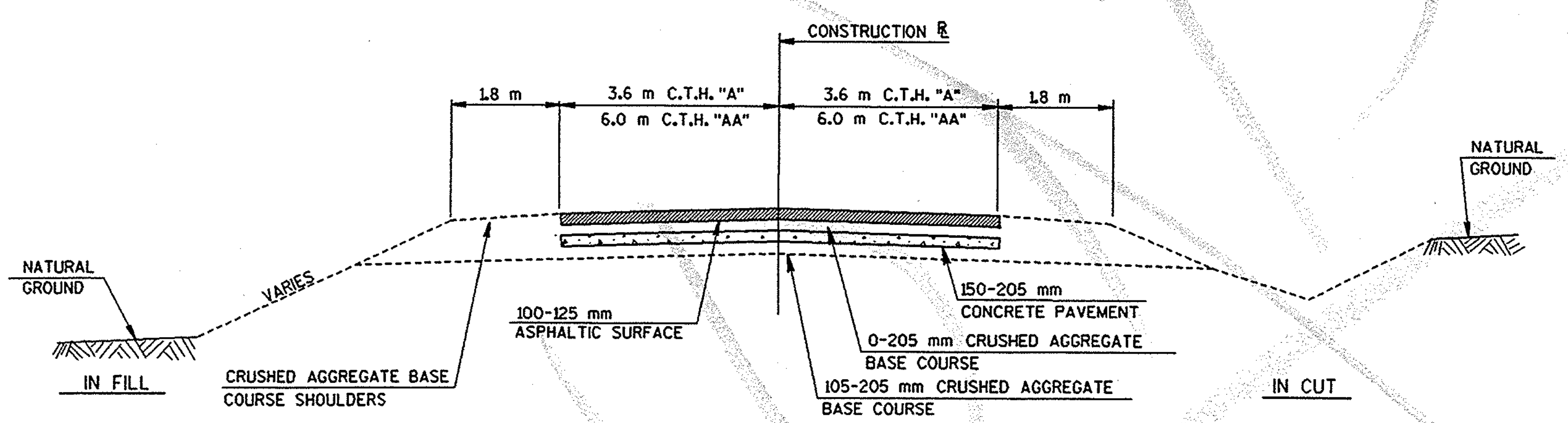
STA 10+000 TO STA 13+331



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EXCAVATIONS BELOW SUBGRADE (E.B.S.) SHALL BE MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION. THE EXACT LOCATION FOR E.B.S. IF REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPER FROM 0 mm TO 150 mm IN 1.8 m UNLESS OTHERWISE NOTED.

CONSTRUCTION PERMITS HAVE BEEN ACQUIRED FOR THE WORK TO BE PERFORMED OUTSIDE THE RIGHT-OF-WAY AND THESE RIGHTS HAVE BEEN EXTENDED TO THE CONTRACTOR.

All RADII ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.

* THE ELEVATION NOTED ON THE CROSS SECTIONS, IS THE SUBGRADE ELEVATION AT THE BOTTOM OF THE BASE COURSE, BUT ABOVE THE BREAKER RUN.

* MARSH EXCAVATION LIMITS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

* MARSH EXCAVATION CAN BE USED AS FILL ACCORDING TO THE TYPICAL MARSH EXCAVATION DETAIL.

RUNOFF COEFFICIENTS

NEW PAVEMENT	0.90	EXISTING PAVEMENT	0.80
NEW SLOPES	0.27	EXISTING SLOPES	0.27

TOTAL PROJECT AREA 7.4 HECTARES TOTAL DISTURBED AREA 6.6 HECTARES

METRIC STANDARD DETAIL DRAWINGS

8A5-15a,b,&d	INLET COVERS
8B6-3	MANHOLES, TYPE 1
8B7-3	MANHOLES, TYPE 2 AND 3
8C1-5	INLETS, TYPE 1, 2, 3, AND 4
8D1-12	CONCRETE CURB, CONCRETE CURB AND GUTTER AND PAVEMENT TIES
8E9-5	SILT FENCE
8F1-11	APRON ENDWALLS FOR CULVERT PIPE
8F4-5	JOINT TIES FOR CONCRETE PIPE
8F10-1	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
9A1-11a	AT-GRADE SIDE ROAD INTERSECTIONS, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE
9A1-11b	AT-GRADE SIDE ROAD INTERSECTIONS, TYPE "A"
9B2-6	CONDUIT
13B1-4	PAVEMENT DETAILS FOR RAILROAD APPROACH
13C1-10	CONCRETE PAVEMENT LONGITUDIANL JOINTS AND PAVEMENT TIES
13C13-3	URBAN DOWELED CONCRETE PAVEMENT
15C2-3	BARRICADES AND SIGNS FOR ROAD CLOSURES
15C8-8a	PAVEMENT MARKING (MAINLINE)
15C8-8b	PAVEMENT MARKING (INTERSECTIONS)
15C8-8e	PAVEMENT MARKINGS (ISLANDS, STOPLINES, AND CROSSWALKS)
15C9-3	PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-5	FLEXIBLE TUBULAR MARKER POSTS, ANCHORS, AND BASES
15D6-2	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

TYPICAL SECTION, GENERAL NOTES, AND UTILITIES	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78,4994-00-82	SHEET NO: 2.1	M

WISDOT: MSHT42

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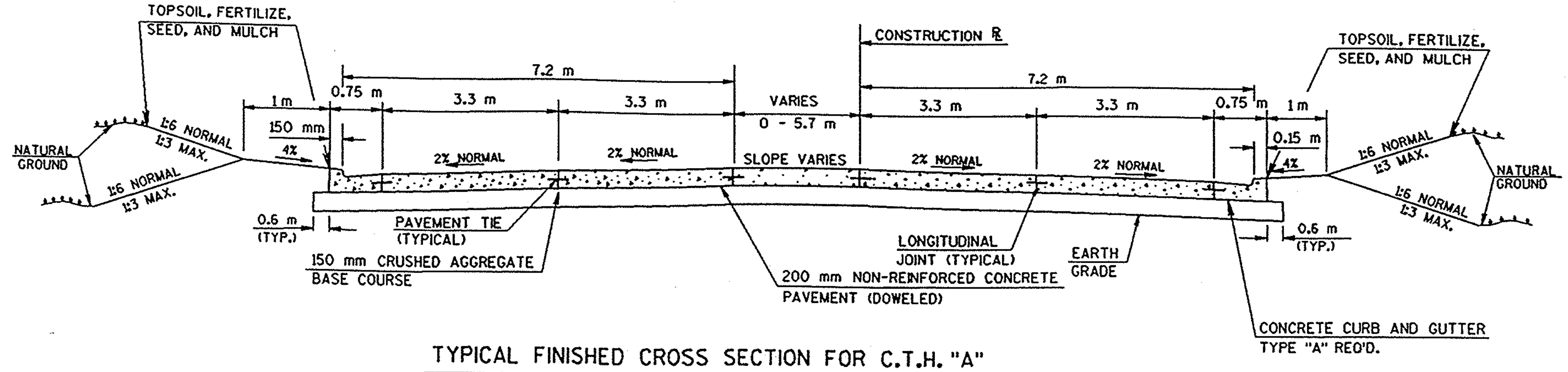
Addendum #16 Dec 14 1999 Letting Winnebago Co. 25-D - Dist 3 (4994-00-77) 150-Total

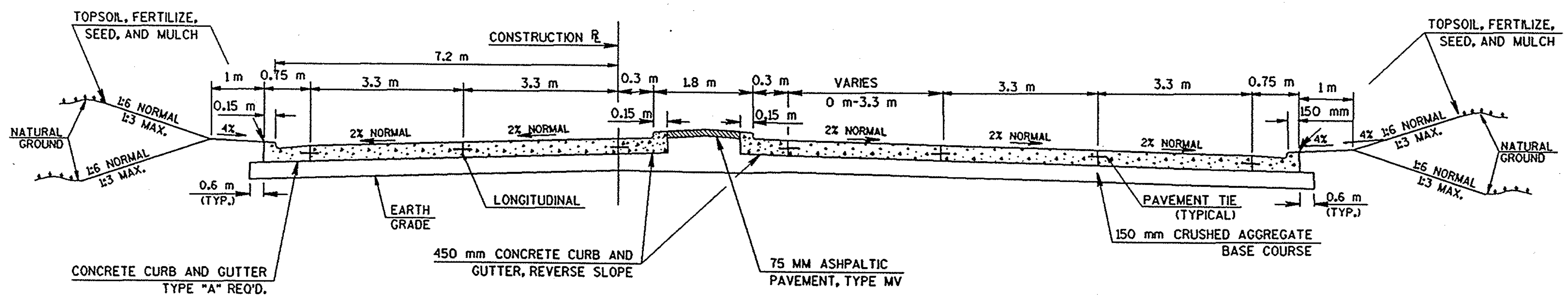
REVISED SHEET

REVISED 5/1/00



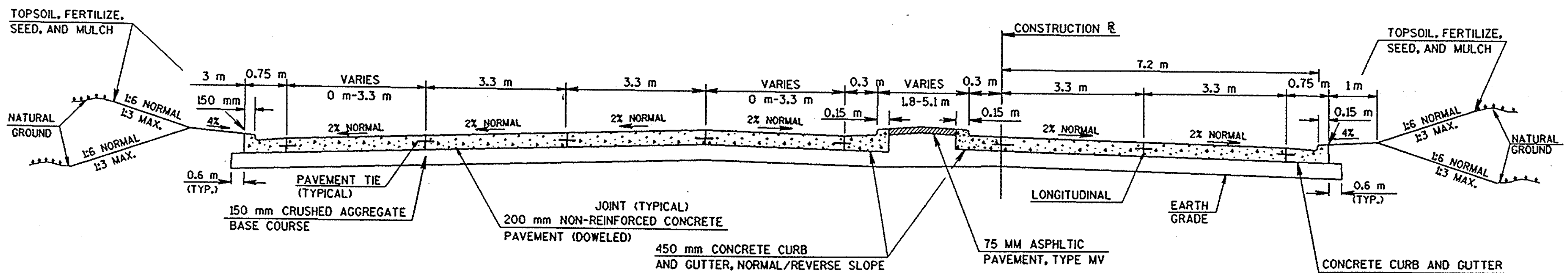
TYPICAL FINISHED CROSS SECTION FOR C.T.H. "A"

STA.13+140 TO STA. 13+170
STA. 13+270 TO STA. 13+320
STA. 13+420 TO STA. 13+460



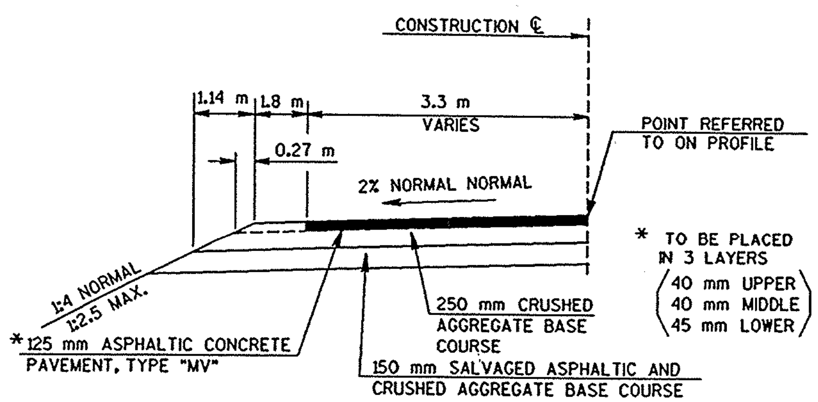
TYPICAL FINISHED CROSS SECTION FOR C.T.H. "A"

STA. 13+170 TO STA. 13+270



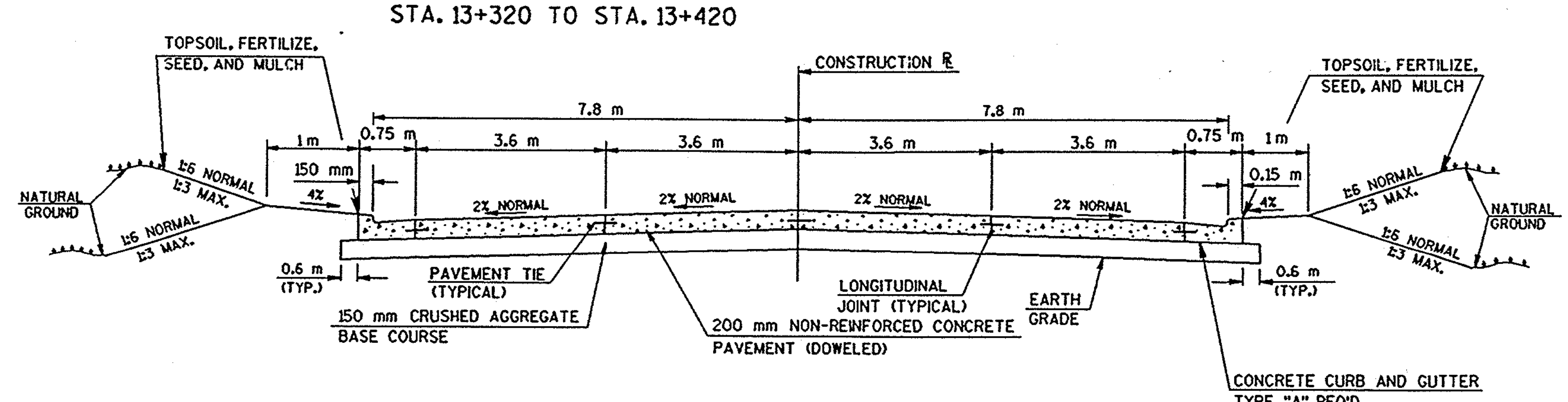
TYPICAL FINISHED CROSS SECTION FOR C.T.H. "A"

STA. 13+320 TO STA. 13+420



TYPICAL ½ SECTION FOR C.T.H. "A"

STA. 13+460-13+580

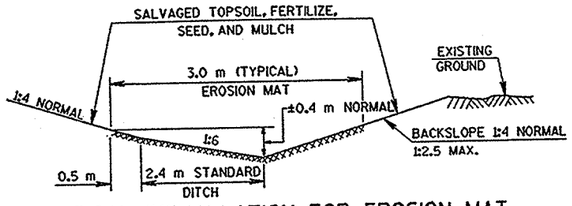


TYPICAL FINISHED CROSS SECTION FOR C.T.H. "Y"

STA. 9+965 TO STA. 9+985

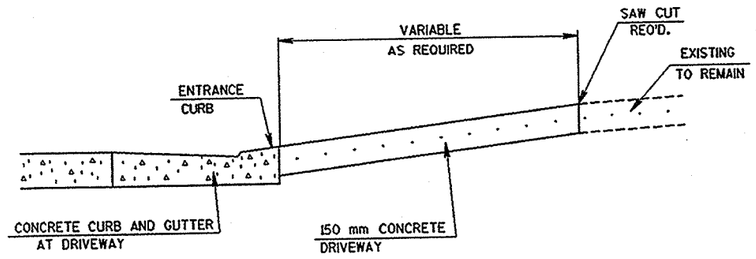
TYPICAL SECTIONS	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 2.2

WisDOT: MSHT42

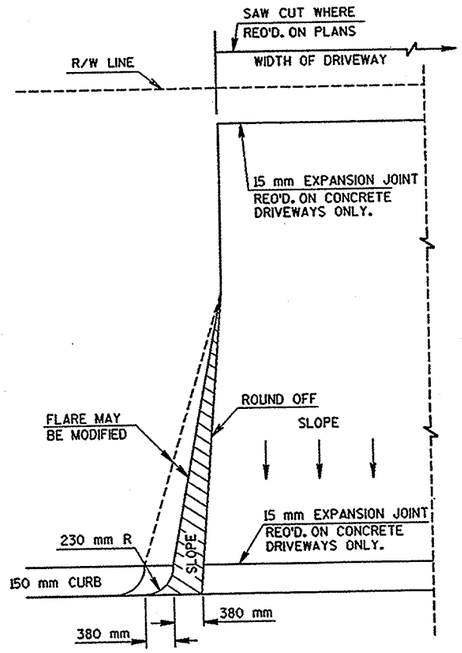


TYPICAL INSTALLATION FOR EROSION MAT

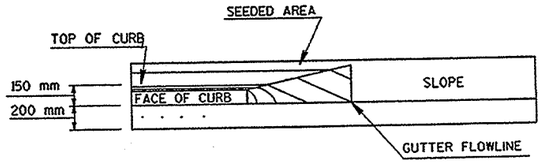
DITCH LINING



TYPICAL LONGITUDINAL SECTION AT
CONCRETE SURFACE PRIVATE ENTRANCES

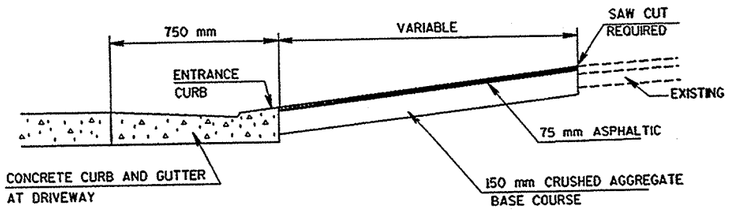


TYPICAL DRIVEWAY LAYOUT

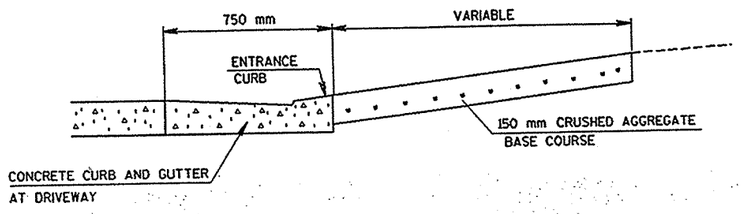


PROFILE (PARALLEL TO ℄ OF ROADWAY)

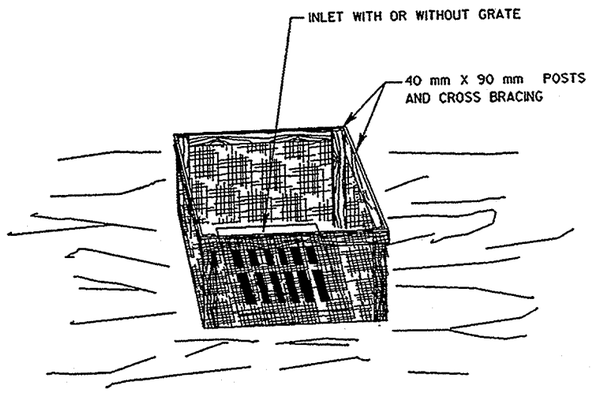
DRIVEWAY DETAILS



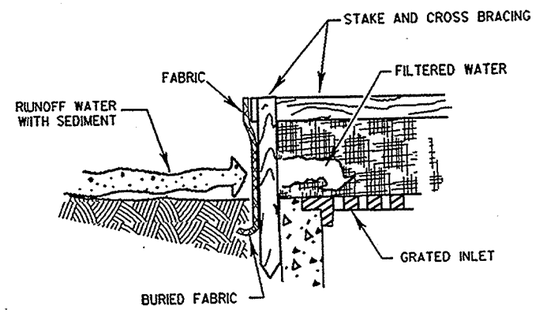
TYPICAL LONGITUDINAL SECTION AT
ASPHALTIC SURFACE PRIVATE ENTRANCES



TYPICAL LONGITUDINAL SECTION AT
CRUSHED AGGREGATE SURFACE PRIVATE ENTRANCES

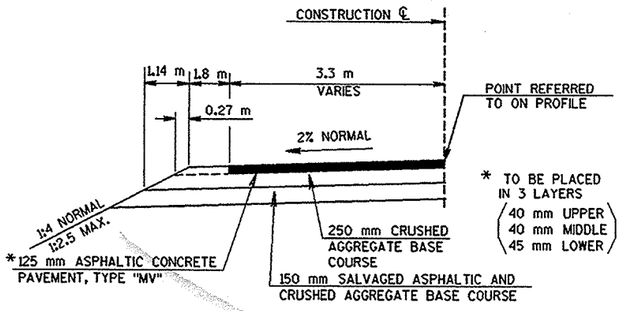


NOTE: ATTACH FABRIC TO THE TOP OF POSTS AND CROSS BRACINGS.



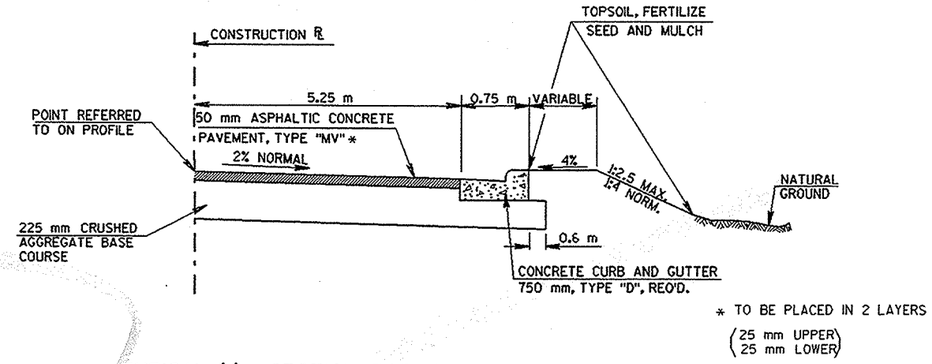
SILT FENCE AT INLET

CONSTRUCTION DETAILS	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78, 4994-00-82	SHEET NO: 2.3	M

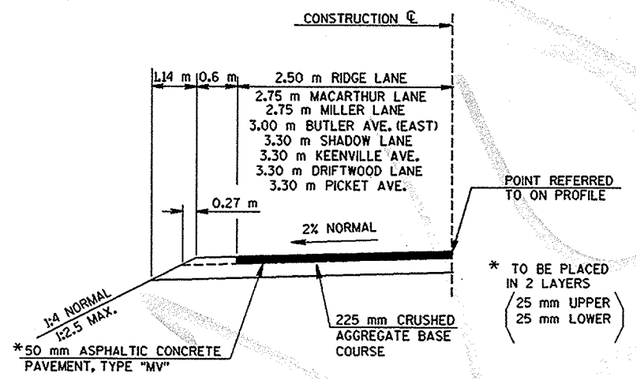


TYPICAL ½ SECTION FOR C.T.H. "A"

STA. 13+331-13+410



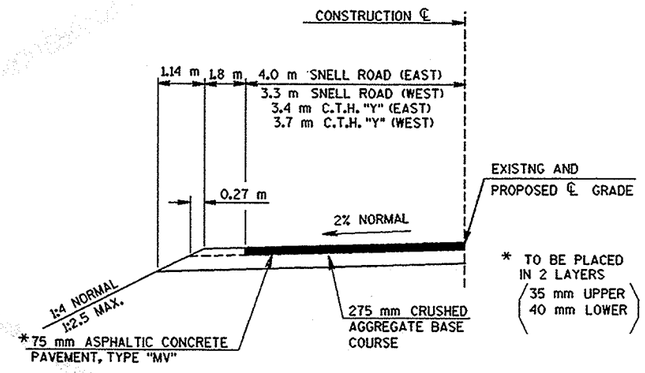
TYPICAL ½ SECTION FOR BUTLER AVENUE (WEST)



TYPICAL ½ SECTION FOR SIDEROADS

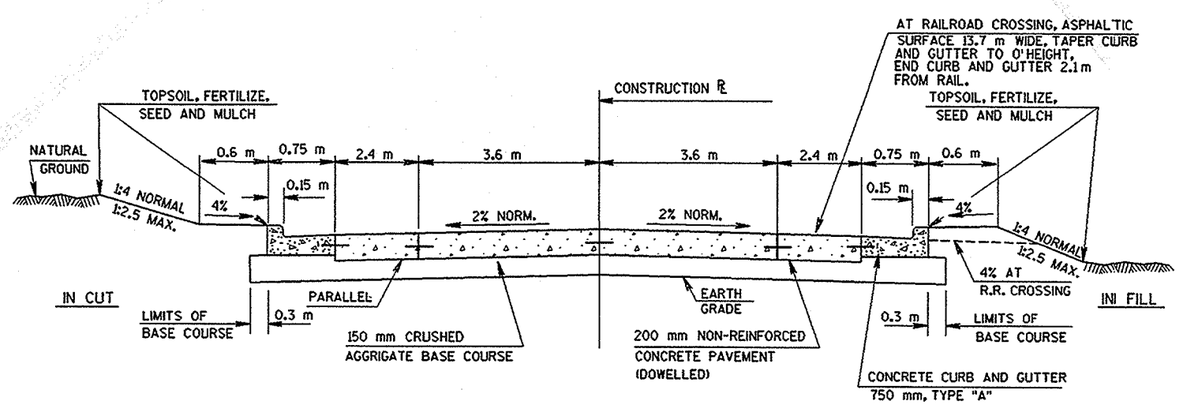
MACARTHUR LANE
SHADOW LANE
MILLER LANE
RIDGE LANE

KEENVILLE AVE.
DRIFTWOOD LANE
PICKET AVE.
BUTLER AVE. (EAST)



TYPICAL ½ SECTION FOR SIDE ROADS

SNIELL ROAD
C.T.H. "Y"



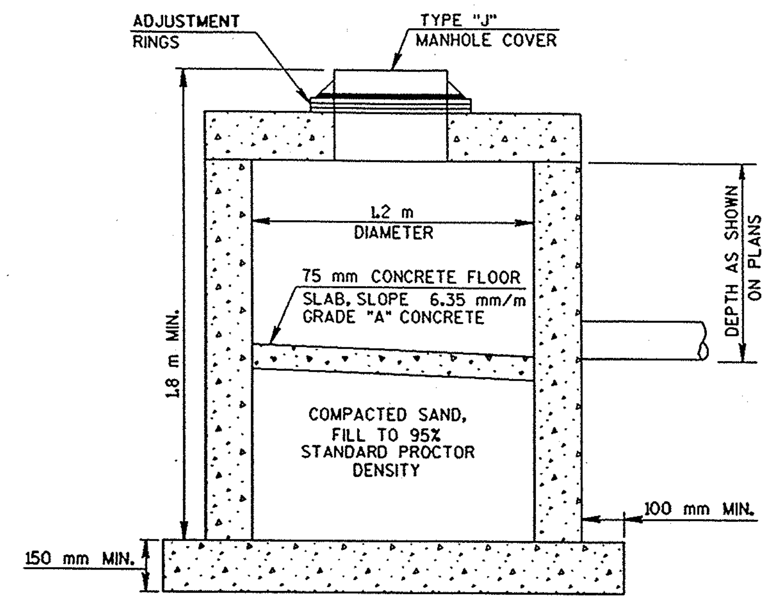
TYPICAL SECTION FOR HARRISON ST.

STA. 19+932.304 TO STA. 20+000.000

CONSTRUCTION DETAILS	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78, 4994-00-82	SHEET NO: 2.2	M

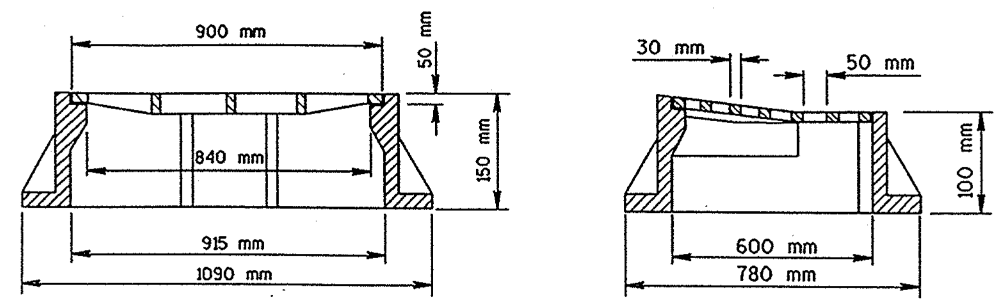
REVISED SHEET

REVISED 4/7/00



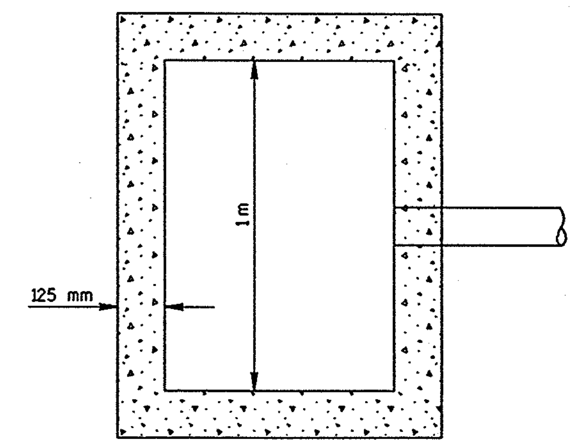
MANHOLE, TYPE 1, MODIFIED

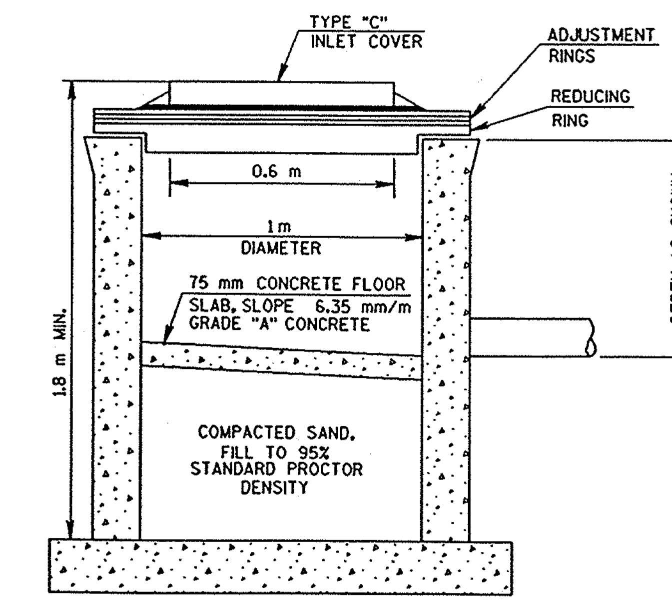
SEE MISCELLANEOUS QUANTITIES FOR LOCATION



TYPE D INLET COVER

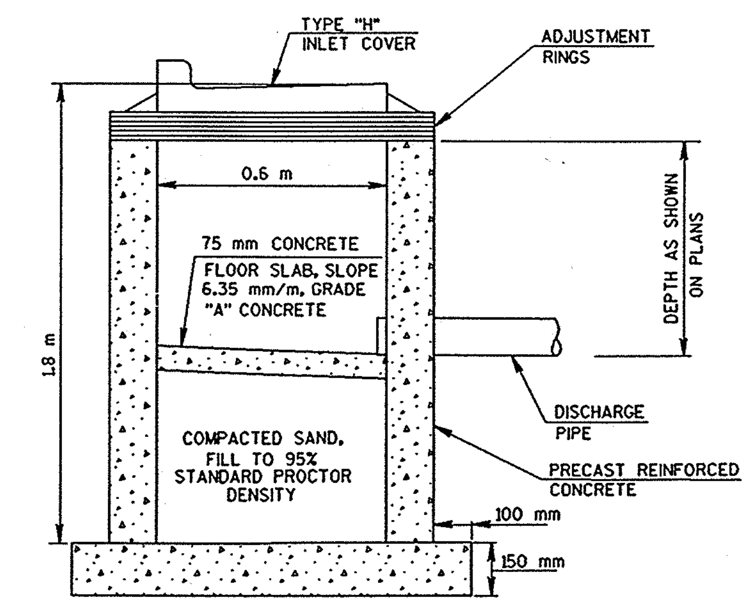
APPROXIMATE TOTAL WEIGHT-200 kg





INLET, TYPE 1, MODIFIED

SEE MISCELLANEOUS QUANTITIES FOR LOCATION



INLET, TYPE 3, MODIFIED

SEE MISCELLANEOUS QUANTITIES FOR LOCATION

DATE OF PLOT: 4/6/00
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ORIGINATOR: DJD
PROJECT NO. 440278.00
REVISED BY:
DATE REVISED:
DATE: 9/1/98
FILE NAME:
PLOT NAME:
SCALE:

CONSTRUCTION DETAILS	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78,4994-00-82	SHEET NO: 2.4	M

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ORIGINATOR: DJD
PROJECT NO. 440278.00
REVISED BY:
DATE REVISED:

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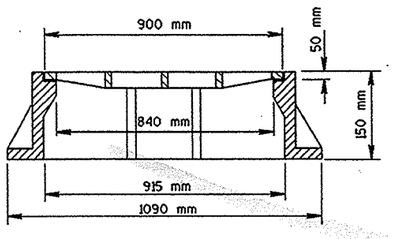
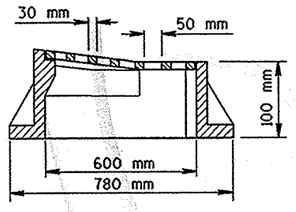
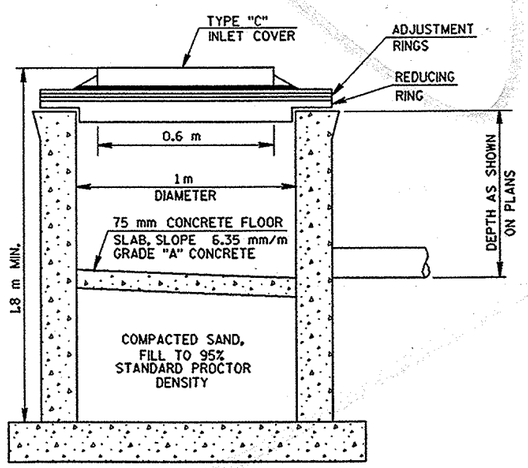




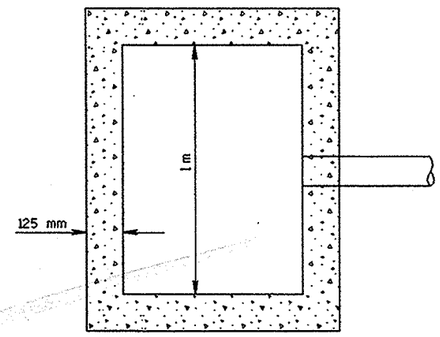
TYPE D INLET COVER

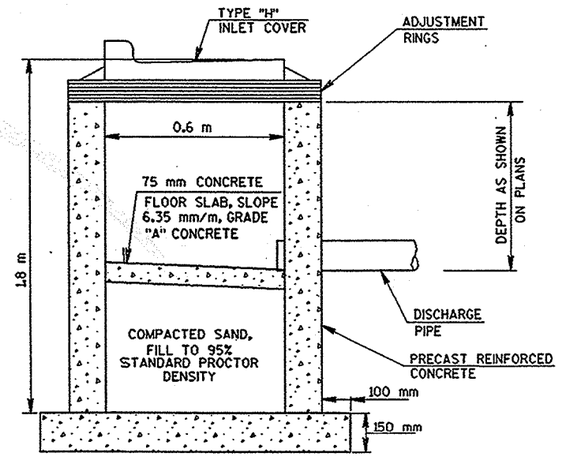
APPROXIMATE TOTAL WEIGHT-200 kg



INLET, TYPE 1, MODIFIED

SEE MISCELLANEOUS QUANTITIES FOR LOCATION





INLET, TYPE 3, MODIFIED

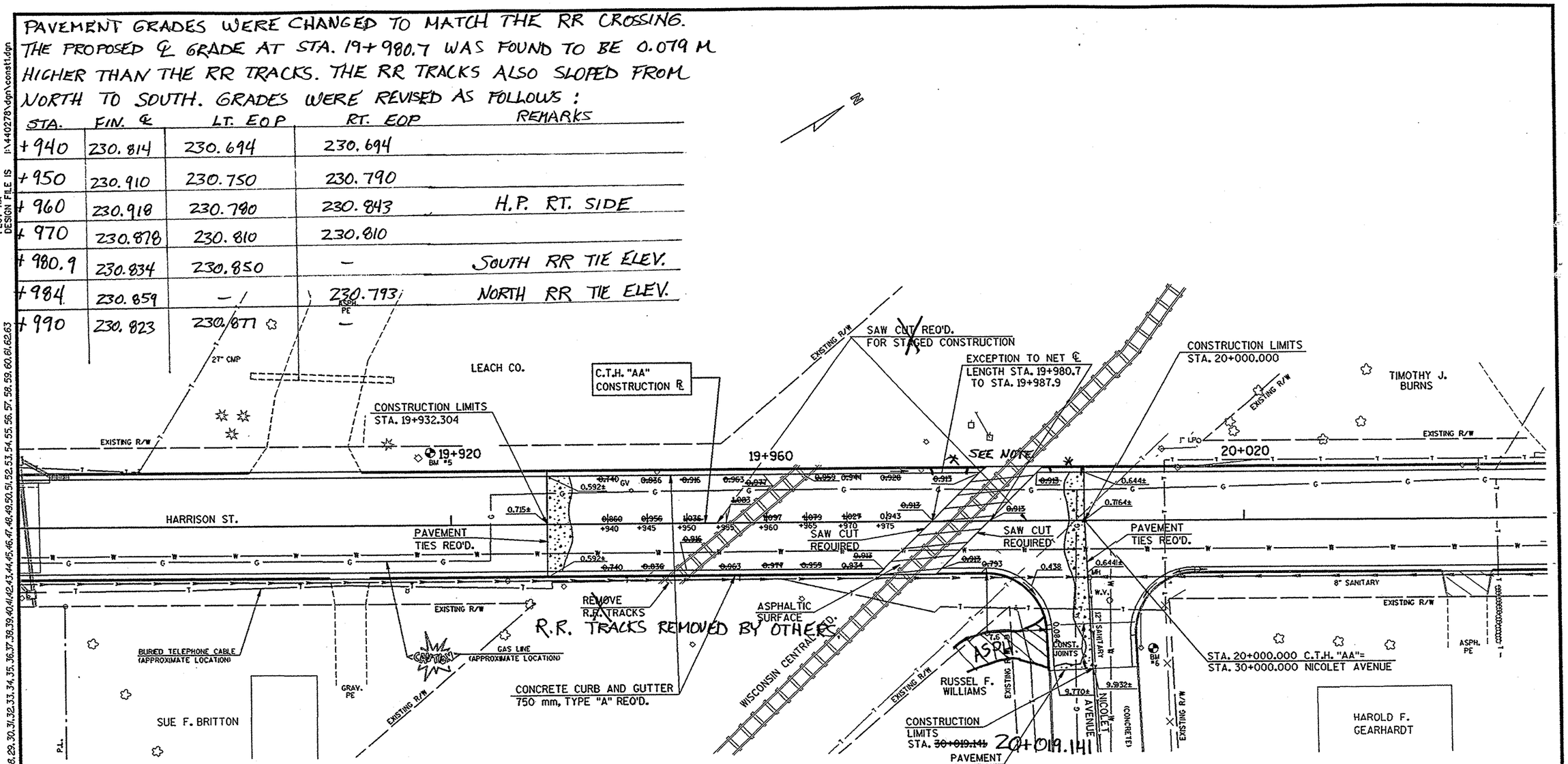
SEE MISCELLANEOUS QUANTITIES FOR LOCATION

CONSTRUCTION DETAILS	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78,4994-00-82	SHEET NO: 2.4	M

WISDOT: MSHT42

PAVEMENT GRADES WERE CHANGED TO MATCH THE RR CROSSING. THE PROPOSED ℄ GRADE AT STA. 19+980.7 WAS FOUND TO BE 0.079 M HIGHER THAN THE RR TRACKS. THE RR TRACKS ALSO SLOPED FROM NORTH TO SOUTH. GRADES WERE REVISED AS FOLLOWS :

STA.	FIN. ℄	LT. EOP	RT. EOP	REMARKS
+940	230.814	230.694	230.694	
+950	230.910	230.750	230.790	
+960	230.918	230.780	230.843	H.P. RT. SIDE
+970	230.878	230.810	230.810	
+980.9	230.834	230.850	–	SOUTH RR TIE ELEV.
+984	230.859	– /	230.793	NORTH RR TIE ELEV.
+990	230.823	230.871 ☆	–	



EARTHWORK VOLUME FOR HARRISON ST. NOT INCLUDED IN THE PLAN. CONC. PAVEMENT REMOVAL AND SUBGRADE EXCAVATION TOTALED 369 M².

ASPH. DRIVEWAY REMOVED AND REPLACED AT STA. 20+017 RT., NICOLET AVE.

CONSTRUCTION DETAIL FOR HARRISON ST. AND W.C.L. R.R. CROSSING

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
5	19+235	150 mm NAIL IN PP-8.5 m LT.	230.383
6	20+008	150 mm NAIL IN PP-16.2 m RT.	230.103

* CURB CUTS FOR WIS. CENTRAL ACCESS TO RR CONTROLLER AND SPUR LINE.

CONSTRUCTION DETAIL	SCALE, METERS 0 12.5 25	HWY: C.T.H. "AA"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 2.5	M

FILE NAME:

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ORIGINATOR: DJD
PROJECT NO. 4402278.00
REVISED BY:
DATE REVISED:

PLOT NAME:
SCALE:

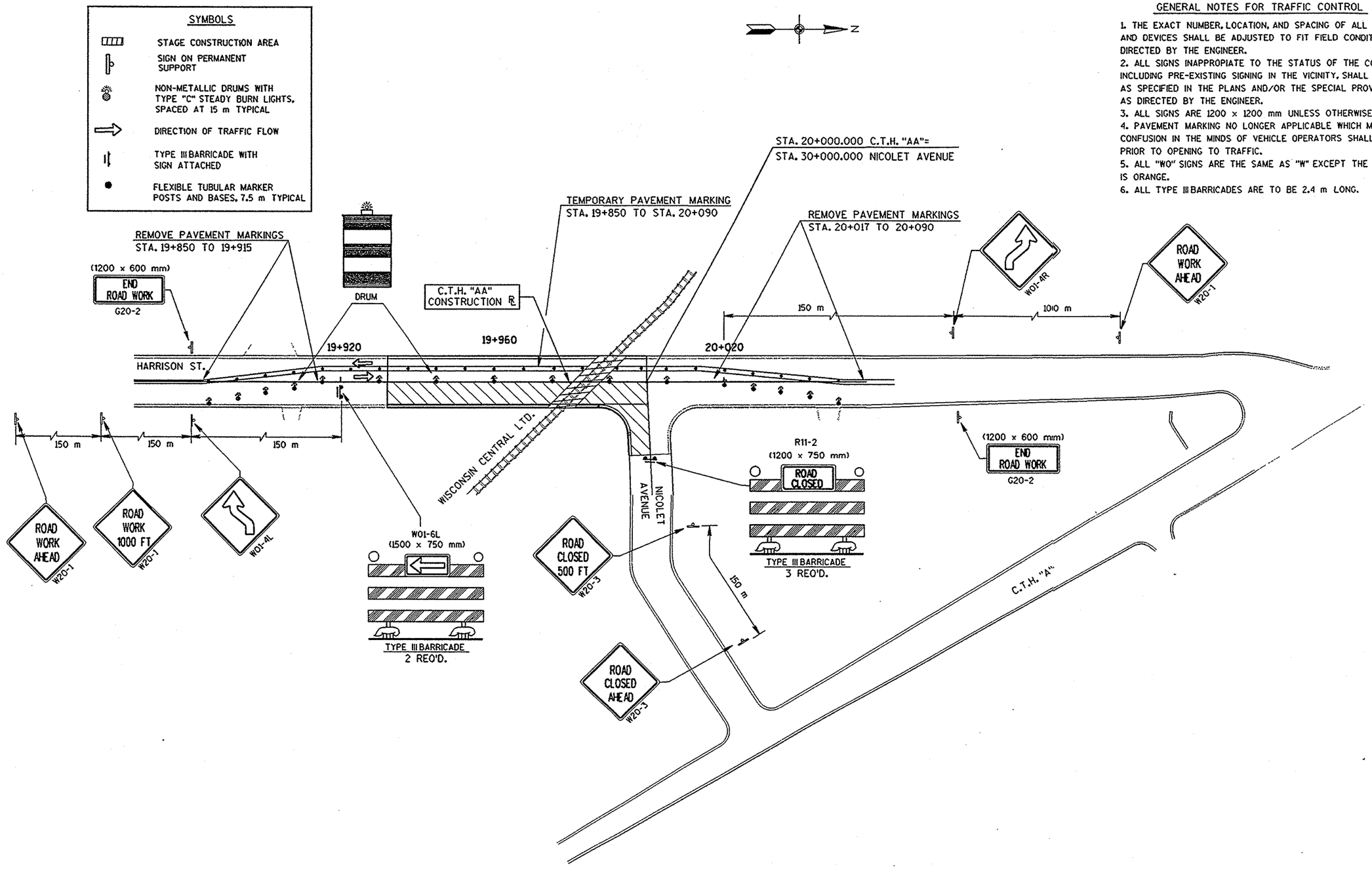
DATE: 9/1/98
FILE NAME:

SYMBOLS

- STAGE CONSTRUCTION AREA
- SIGN ON PERMANENT SUPPORT
- NON-METALLIC DRUMS WITH TYPE "C" STEADY BURN LIGHTS, SPACED AT 15 m TYPICAL
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE WITH SIGN ATTACHED
- FLEXIBLE TUBULAR MARKER POSTS AND BASES, 7.5 m TYPICAL

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS DIRECTED BY THE ENGINEER.
2. ALL SIGNS INAPPROPIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 1200 x 1200 mm UNLESS OTHERWISE NOTED.
4. PAVEMENT MARKING NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED PRIOR TO OPENING TO TRAFFIC.
5. ALL "WO" SIGNS ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
6. ALL TYPE III BARRICADES ARE TO BE 2.4 m LONG.



TRAFFIC CONTROL (PHASE 1)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 2.6

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ORIGINATOR: DJD
PROJECT NO. 4402078.00
REVISED BY:
DATE REVISED:

DATE: 2/3/99
FILE NAME:

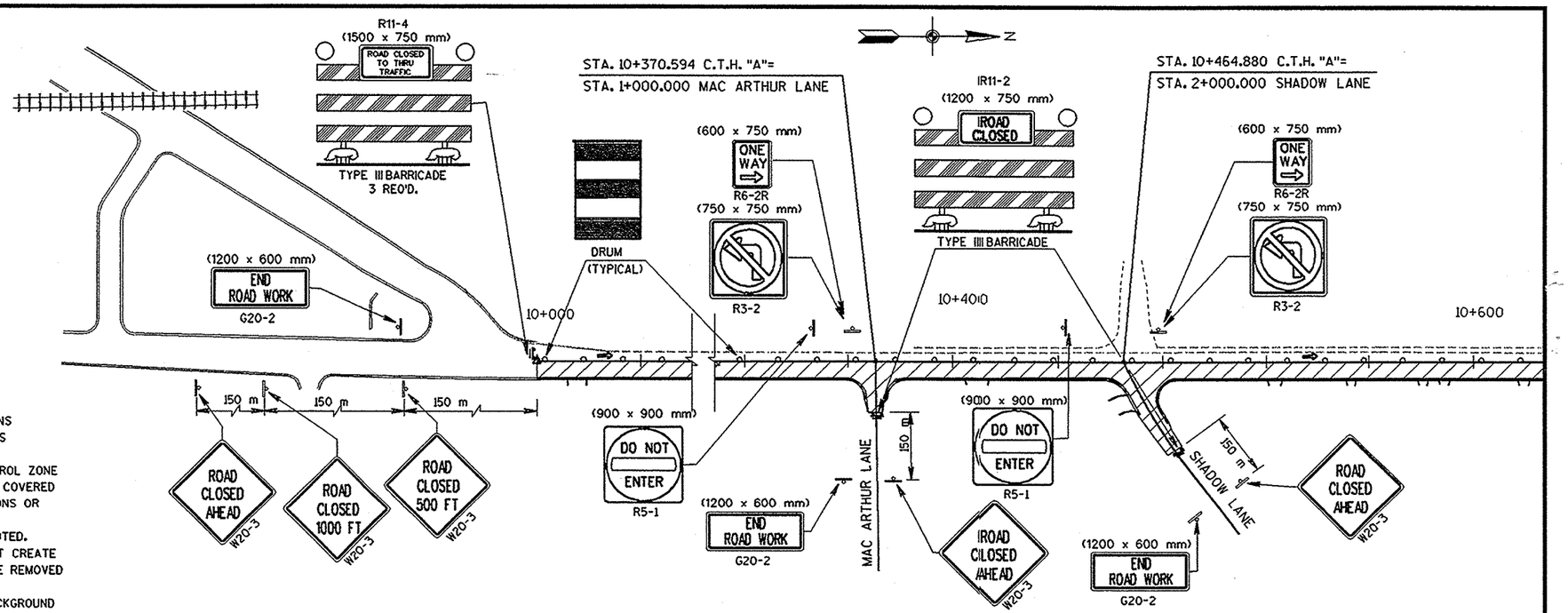
PLOT NAME:
SCALE:

SYMBOLS

- STAGE CONSTRUCTION AREA
- SIGN ON PERMANENT SUPPORT
- NON-METALLIC DRUMS WITH TYPE "C" STEADY BURN LIGHTS, SPACED AT 15 m TYPICAL
- NON-METALLIC DRUMS SPACED AT 15 m TYPICAL
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE WITH SIGN AND TYPE "A" WARNING LIGHTS
- FLEXIBLE TUBULAR MARKER POSTS AND BASES, 7.5 m TYPICAL

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS DIRECTED BY THE ENGINEER.
2. ALL SIGNS INAPPROPIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 1200 x 1200 mm UNLESS OTHERWISE NOTED.
4. PAVEMENT MARKING NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED PRIOR TO OPENING TO TRAFFIC.
5. ALL "WO" SIGNS ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
6. ALL TYPE III BARRICADES ARE TO BE 2.4 m LONG.



TRAFFIC CONTROL (PHASE 1)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 2.7	M

WISDOT: MSHT42

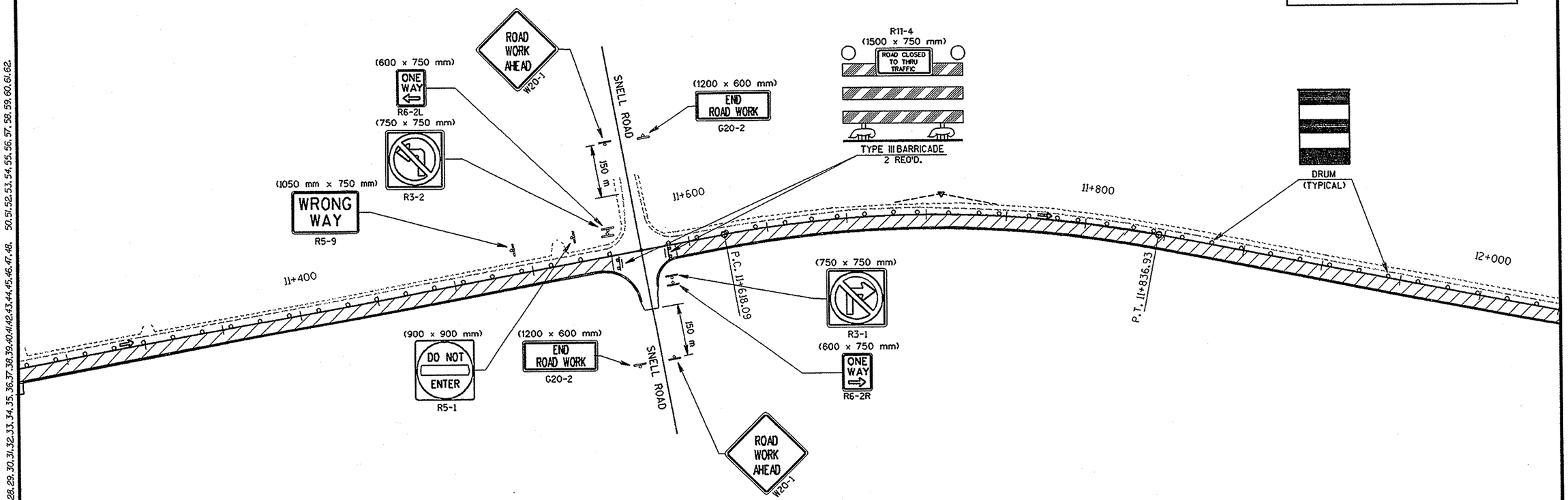
GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS DIRECTED BY THE ENGINEER.
2. ALL SIGNS INAPPROPIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 1200 x 1200 mm UNLESS OTHERWISE NOTED.
4. PAVEMENT MARKING NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED PRIOR TO OPENING TO TRAFFIC.
5. ALL "WO" SIGNS ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
6. ALL TYPE III BARRICADES ARE TO BE 2.4 m LONG.

N

SYMBOLS

- STAGE CONSTRUCTION AREA
- SIGN ON PERMANENT SUPPORT
- NON-METALLIC DRUMS WITH TYPE "C" STEADY BURN LIGHTS, SPACED AT 15 m TYPICAL
- NON-METALLIC DRUMS SPACED AT 15 m TYPICAL
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE WITH SIGN AND TYPE "A" WARNING LIGHTS
- FLEXIBLE TUBULAR MARKER POSTS AND BASES, 7.5 m TYPICAL



TRAFFIC CONTROL (PHASE 1)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78/82	SHEET NO: 28	M

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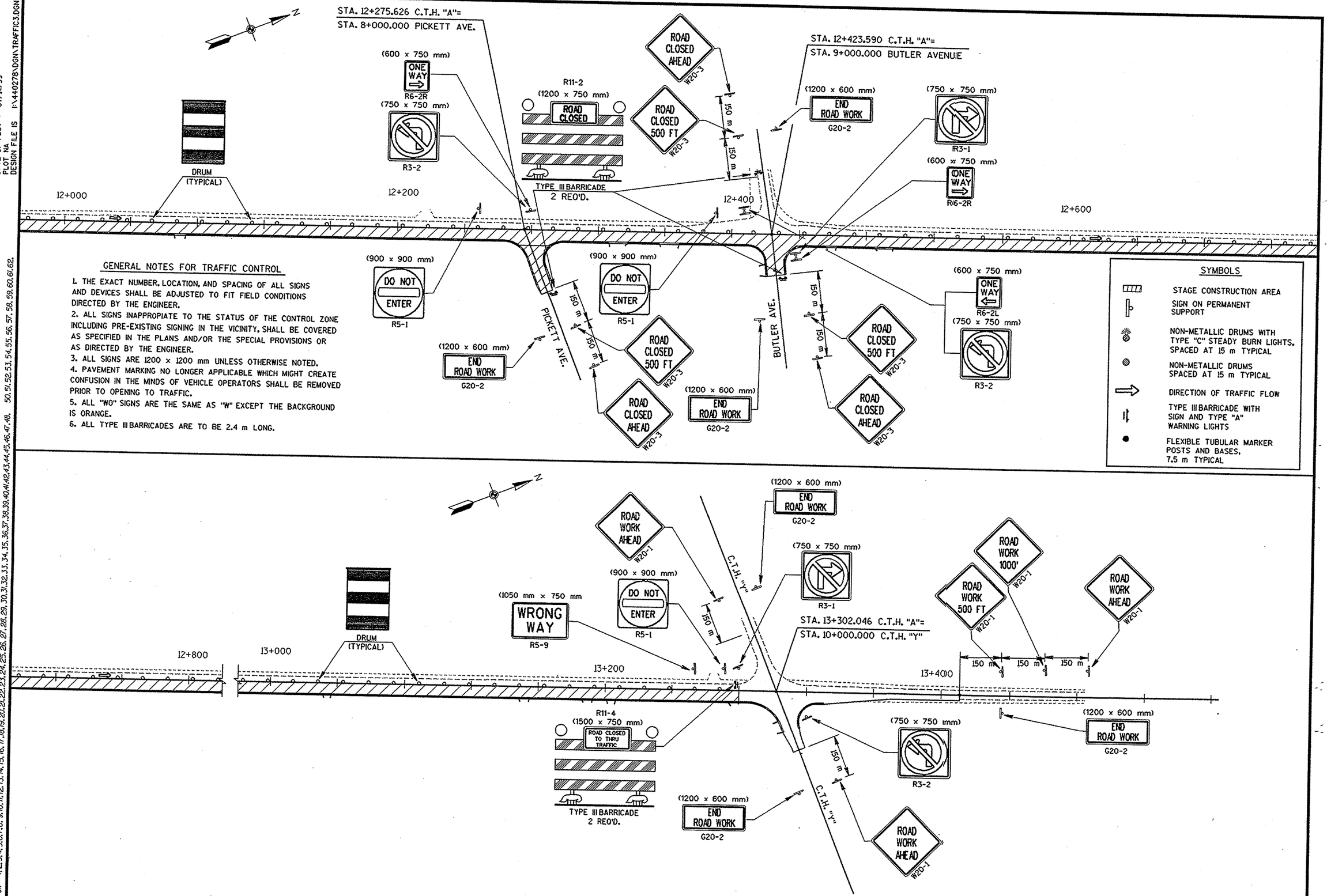

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS DIRECTED BY THE ENGINEER.
2. ALL SIGNS INAPPROPIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 1200 x 1200 mm UNLESS OTHERWISE NOTED.
4. PAVEMENT MARKING NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED PRIOR TO OPENING TO TRAFFIC.
5. ALL "WO" SIGNS ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
6. ALL TYPE III BARRICADES ARE TO BE 2.4 m LONG.

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, 50,51,52,53,54,55,56,57,58,59,60,61,62.
ORIGINATOR: DJD
PROJECT NO: 4490278.00
REVISED BY:
DATE REVISED:
DATE: 1/15/99
FILE NAME:
PLOT NAME:
SCALE:

TRAFFIC CONTROL (PHASE 1)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 2.9	M

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ORIGINATOR: DJD
PROJECT NO: 440278.00
REVISED BY:
DATE REVISED:

DATE: 2/25/99
FILE NAME:

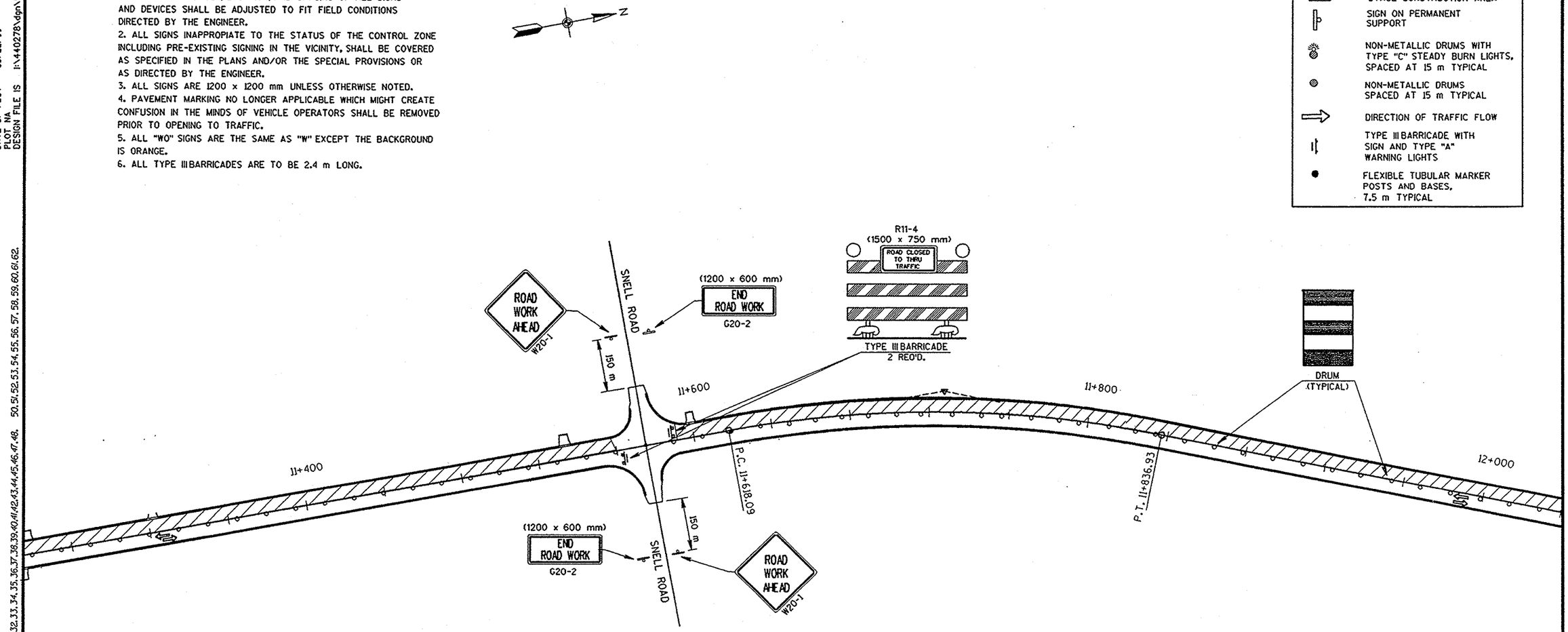
PLOT NAME:
SCALE:

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS DIRECTED BY THE ENGINEER.
2. ALL SIGNS INAPPROPIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 1200 x 1200 mm UNLESS OTHERWISE NOTED.
4. PAVEMENT MARKING NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED PRIOR TO OPENING TO TRAFFIC.
5. ALL "WO" SIGNS ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
6. ALL TYPE III BARRICADES ARE TO BE 2.4 m LONG.

SYMBOLS

- STAGE CONSTRUCTION AREA
- SIGN ON PERMANENT SUPPORT
- NON-METALLIC DRUMS WITH TYPE "C" STEADY BURN LIGHTS, SPACED AT 15 m TYPICAL
- NON-METALLIC DRUMS SPACED AT 15 m TYPICAL
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE WITH SIGN AND TYPE "A" WARNING LIGHTS
- FLEXIBLE TUBULAR MARKER POSTS AND BASES, 7.5 m TYPICAL



TRAFFIC CONTROL (PHASE 2)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78/82	SHEET NO: 2.10	M

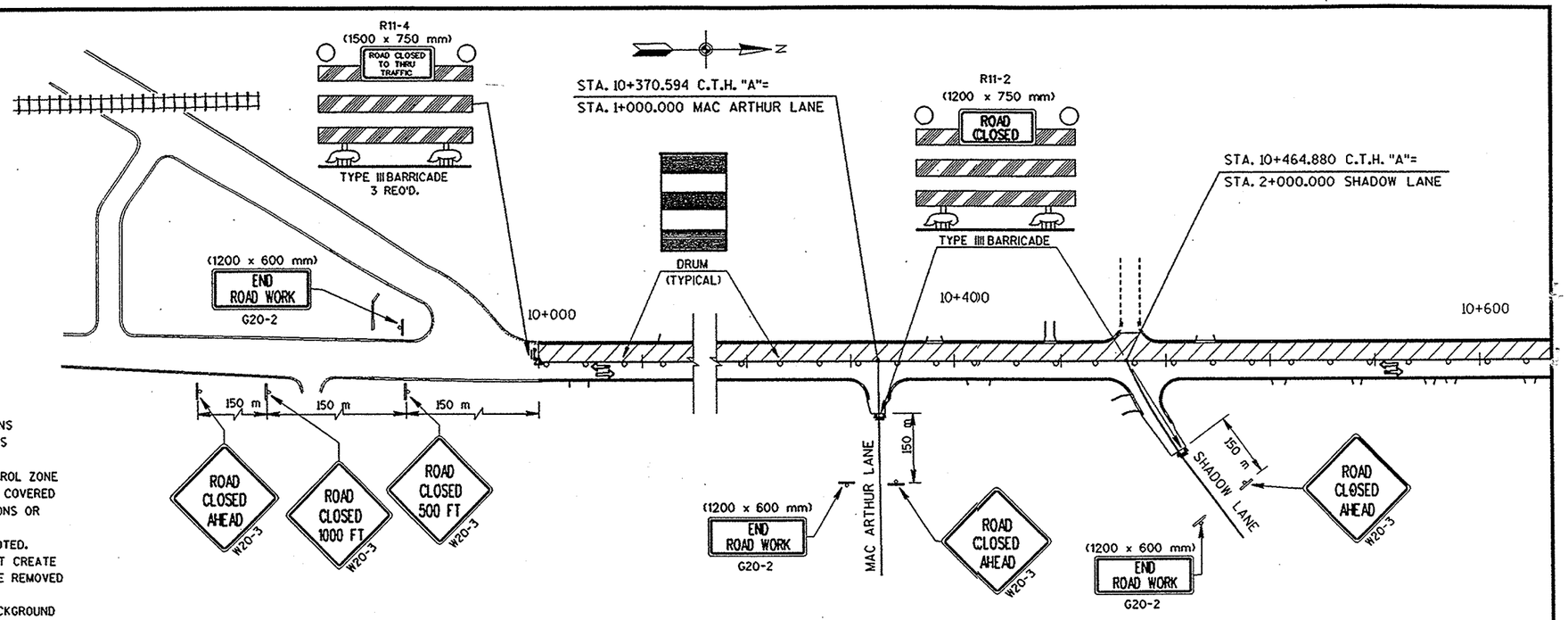
WISDOT: MSHT42

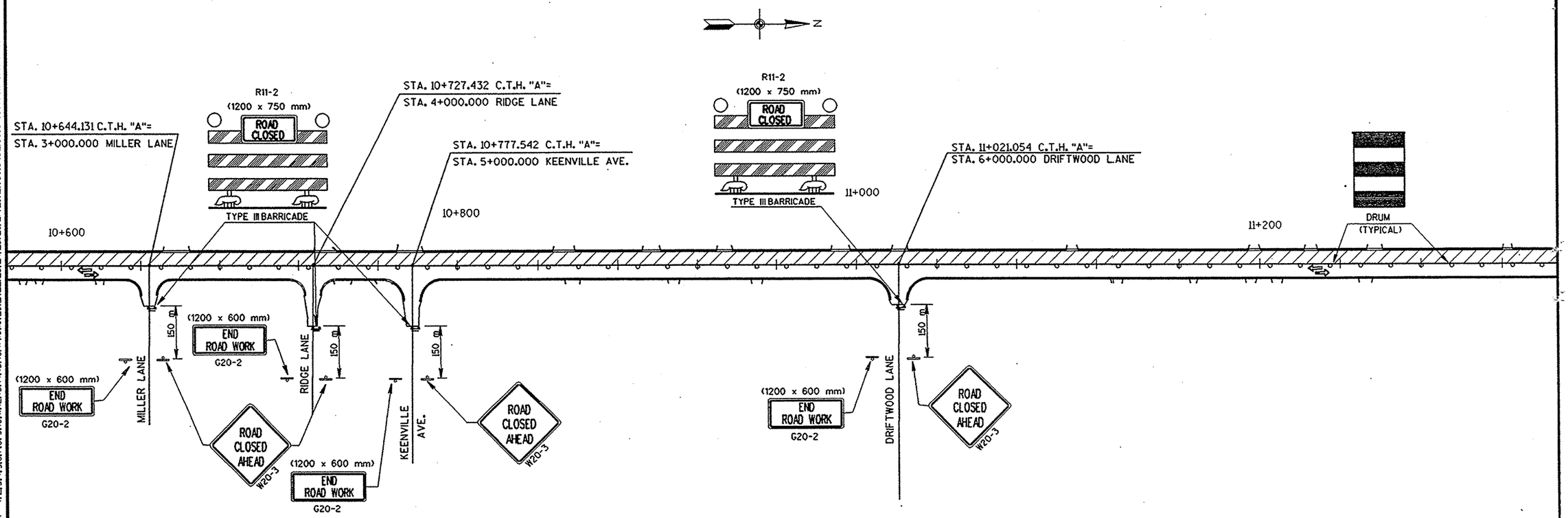
SYMBOLS

- STAGE CONSTRUCTION AREA
- SIGN ON PERMANENT SUPPORT
- NON-METALLIC DRUMS WITH TYPE "C" STEADY BURN LIGHTS, SPACED AT 15 m TYPICAL
- NON-METALLIC DRUMS SPACED AT 15 m TYPICAL
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE WITH SIGN AND TYPE "A" WARNING LIGHTS
- FLEXIBLE TUBULAR MARKER POSTS AND BASES, 7.5 m TYPICAL

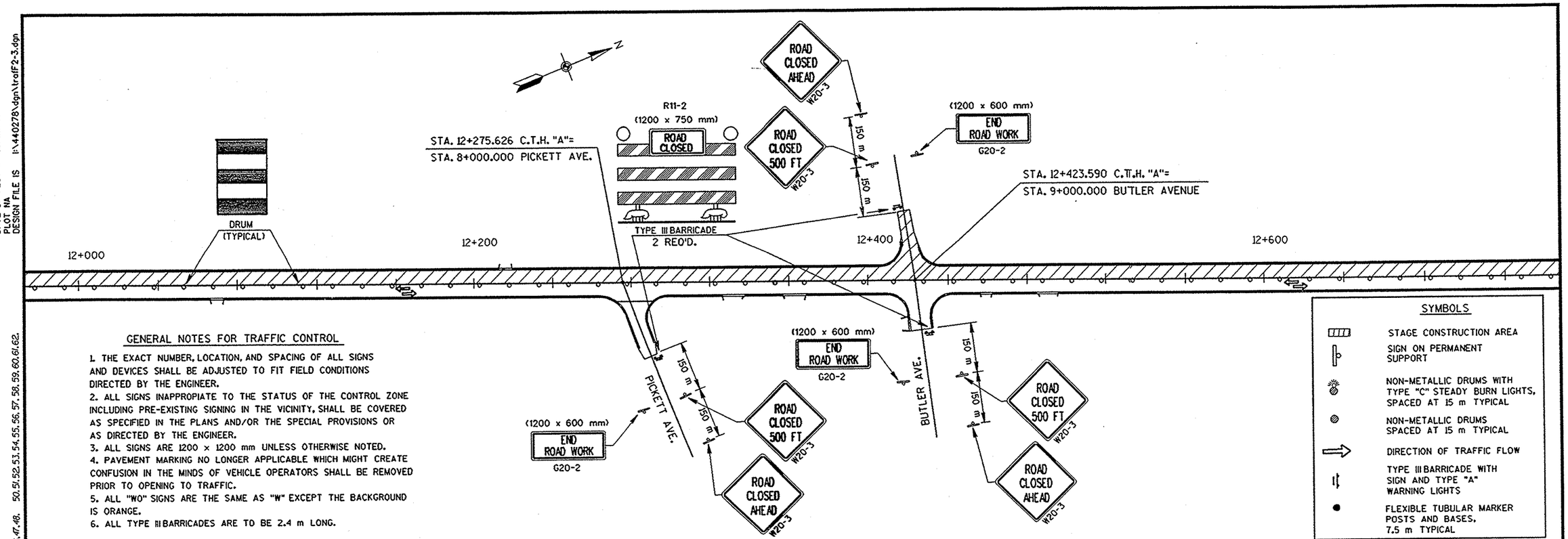
GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS DIRECTED BY THE ENGINEER.
2. ALL SIGNS INAPPROPIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 1200 x 1200 mm UNLESS OTHERWISE NOTED.
4. PAVEMENT MARKING NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED PRIOR TO OPENING TO TRAFFIC.
5. ALL "WO" SIGNS ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
6. ALL TYPE III BARRICADES ARE TO BE 2.4 m LONG.





TRAFFIC CONTROL (PHASE 2)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 2.11	M

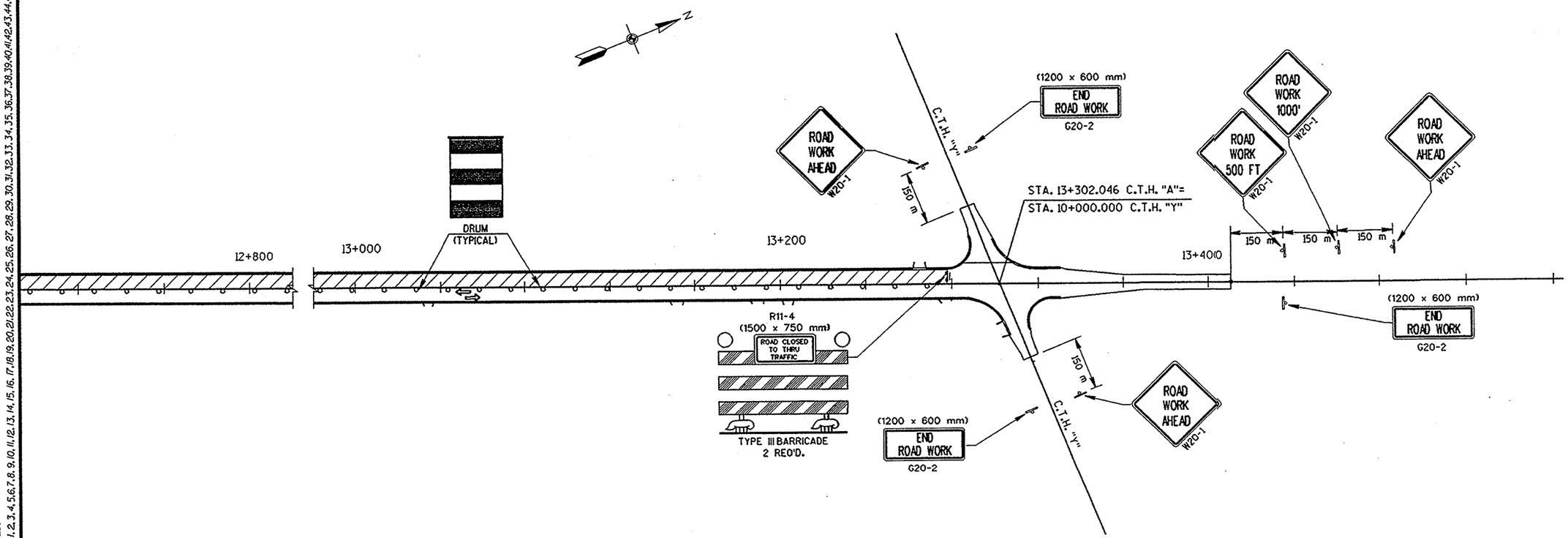


GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS DIRECTED BY THE ENGINEER.
2. ALL SIGNS INAPPROPIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 1200 x 1200 mm UNLESS OTHERWISE NOTED.
4. PAVEMENT MARKING NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED PRIOR TO OPENING TO TRAFFIC.
5. ALL "WO" SIGNS ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
6. ALL TYPE III BARRICADES ARE TO BE 2.4 m LONG.

SYMBOLS

- STAGE CONSTRUCTION AREA
- SIGN ON PERMANENT SUPPORT
- NON-METALLIC DRUMS WITH TYPE "C" STEADY BURN LIGHTS, SPACED AT 15 m TYPICAL
- NON-METALLIC DRUMS SPACED AT 15 m TYPICAL
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE WITH SIGN AND TYPE "A" WARNING LIGHTS
- FLEXIBLE TUBULAR MARKER POSTS AND BASES, 7.5 m TYPICAL



TRAFFIC CONTROL (PHASE 2)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 2.12	M

SYMBOLS

- STAGE CONSTRUCTION AREA
- SIGN ON PERMANENT SUPPORT
- NON-METALLIC DRUMS WITH TYPE "C" STEADY BURN LIGHTS, SPACED AT 15 m TYPICAL
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE WITH SIGN ATTACHED
- FLEXIBLE TUBULAR MARKER POSTS AND BASES, 7.5 m TYPICAL

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS DIRECTED BY THE ENGINEER.
2. ALL SIGNS INAPPROPIATE TO THE STATUS OF THE CONTROL ZONE INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS ARE 1200 x 1200 mm UNLESS OTHERWISE NOTED.
4. PAVEMENT MARKING NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED PRIOR TO OPENING TO TRAFFIC.
5. ALL "WO" SIGNS ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
6. ALL TYPE III BARRICADES ARE TO BE 2.4 m LONG.

N

WO1-6L (1500 x 750 mm)

TYPE III BARRICADE 2 REQ'D.

STA. 20+000.000 C.T.H. "AA"= STA. 30+000.000 NICOLET AVENUE

REMOVE PAVEMENT MARKING STA. 19+850 TO STA. 20+090

WO1-4L

150 m

100 m

ROAD WORK AHEAD W20-1

(1200 x 600 mm) END ROAD WORK G20-2

DRUM

C.T.H. "AA" CONSTRUCTION

19+920

19+960

20+020

HARRISON ST.

150 m 150 m 150 m

TEMPORARY PAVEMENT MARKING, STA. 19+850 TO STA. 20+090

WISCONSIN CENTRAL LTD.

R11-2 (1200 x 750 mm) ROAD CLOSED

TYPE III BARRICADE 3 REQ'D.

NICOLET AVENUE

ROAD CLOSED 500 FT W20-3

150 m

ROAD CLOSED AHEAD W20-3

(1200 x 600 mm) END ROAD WORK G20-2

C.T.H. "A"

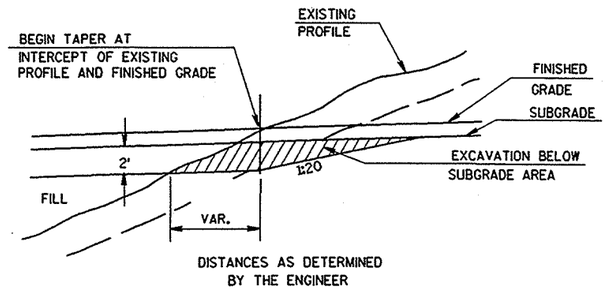
ROAD WORK AHEAD W20-1

ROAD WORK 1000 FT W20-1

WO1-4R

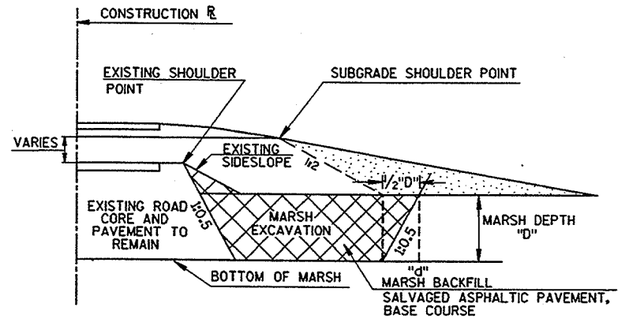
TRAFFIC CONTROL (PHASE 2)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 2.13	M

NEW SHEET



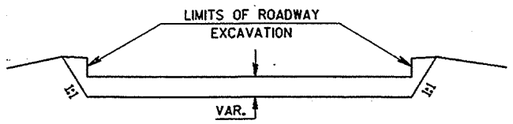
PROFILE AT UNDERCUT LOCATIONS

NOTE: EXCAVATE BELOW SUBGRADE ALL MOUTHS OF CUTS. EXACT LOCATIONS AND EXTENT OF EXCAVATION BELOW SUBGRADE (E.B.S.) SHALL BE DETERMINED BY ENGINEER IN THE FIELD. E.B.S. AREA TO BE BACKFILLED MUST BE HOMOGENEUS WITH ADJOINING FILL MATERIAL ACCEPTABLE TO THE ENGINEER. THE FILL WITHIN 100-FT. OF THE MOUTH OF THE CUT MUST BE KEPT 2-FT. BELOW SUBGRADE UNTIL E.B.S. IS COMPLETED.



TYPICAL SECTION-MARSH EXCAVATION

NOTE: BACKFILL QUANTITIES COMPUTED FROM POINT "d" TO COMPENSATE FOR PROBABLE DISPLACED MARSH AREA.

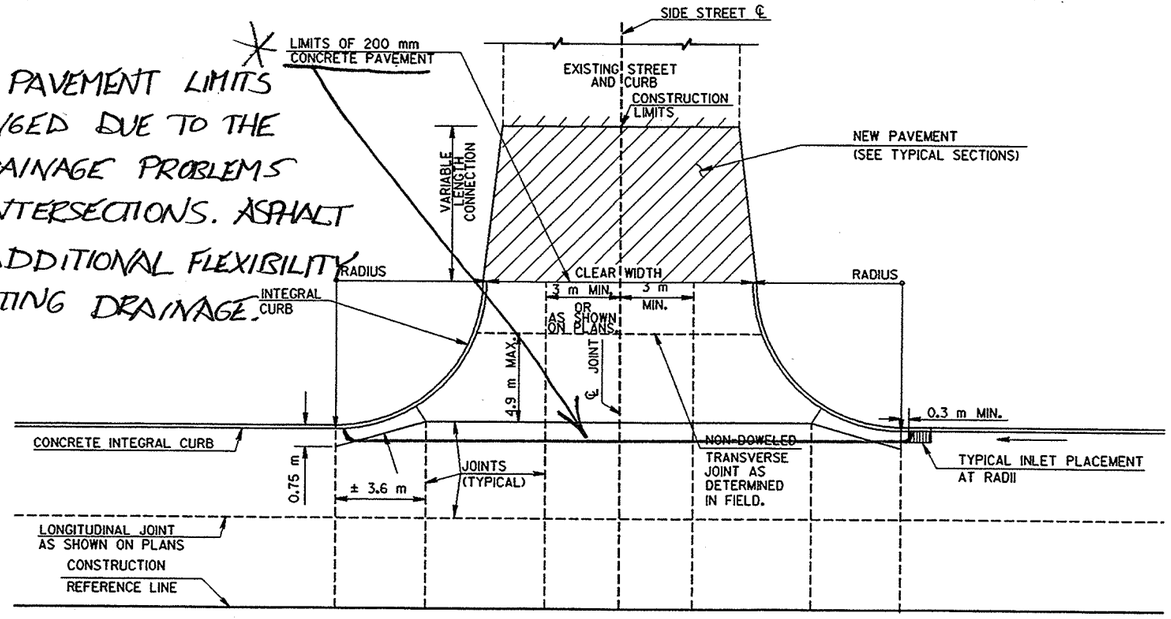


CROSS SECTION SHOWING UNDERCUT

DETAIL FOR EXCAVATION BELOW SUBGRADE

DISTANCES AS DETERMINED BY THE ENGINEER

CONCRETE PAVEMENT LIMITS WERE CHANGED DUE TO THE GRADE/DRAINAGE PROBLEMS IN THE INTERSECTIONS. ASPHALT PROVIDED ADDITIONAL FLEXIBILITY FOR CORRECTING DRAINAGE.



TYPICAL INTERSECTION JOINT LAYOUT

(SEE PLAN SHEETS FOR DIMENSIONS AND DETAILS)

* PLAN/PROFILE SHEETS SHOW ENDING THE CONCRETE PAVEMENT AT MIDPOINTS OF THE RADIUS. THE LIMITS AS CONSTRUCTED WAS THE FLANGE LINE EXTENDED. SEE ABOVE.

CONSTRUCTION DETAILS	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78, 4994-00-82	SHEET NO: 2.3A	M

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4994-00-78 QUANTITY	4994-00-82 QUANTITY
0010	20101	CLEARING	40M	7.00	5.00	2.00
0020	20102	CLEARING	25MM	328.00	220.00	108.00
0030	20104	GRUBBING	40M	7.00	5.00	2.00
0040	20105	GRUBBING	25MM	328.00	220.00	108.00
0050	20330	REMOVING OLD CULVERTS	EACH	59.00	45.00	14.00
0060	20401	REMOVING PAVEMENT	M2	24,673.00	11,340.00	13,333.00
0070	20405	REMOVING CURB AND GUTTER	M	81.00		81.00
0080	20410	REMOVING RAILROAD TRACK	M	23.00		23.00
0090	20503	UNCLASSIFIED EXCAVATION	M3	36,947.00	14,272.00	22,675.00
0100	21301	FINISHING ROADWAY	LS	1.00	0.50	0.50
0110	30404	CRUSHED AGGREGATE BASE COURSE	MG	21,941.00	10,430.00	11,511.00
0120	30426	BREAKER RUN STONE	MG	16,375.00	1,293.00	15,082.00
0130	40204	ASPHALTIC MATERIAL FOR TACK COAT	L	504.00	248.00	256.00
0140	40501	ASPHALTIC MATERIAL FOR PLANT MIXES	MG	43.00	19.00	24.00
0150	40713	ASPHALTIC CONCRETE PAVEMENT, TYPE MV	MG	708.00	283.00	425.00
0160	41508	CONCRETE PAVEMENT, 200 MM	M2	45,630.00	21,259.00	24,371.00
0170	41518	H.E.S. CONCRETE PAVEMENT, 200 MM	M2	726.00	528.00	198.00
0180	41605	CONCRETE DRIVEWAY, 150 MM	M2	204.00	62.00	142.00
0190	41653	PAVEMENT TIES	EACH	229.00	77.00	152.00
0200	41665	CONCRETE PAVEMENT GAPS	EACH	9.00	7.00	2.00
0210	50409	CONCRETE MASONRY, ENDWALLS	M3	12.00	12.00	
0220	52207	REINFORCED CONCRETE CULVERT PIPE, CLASS III, 750 MM	M	130.00	130.00	
0230	52210	REINFORCED CONCRETE CULVERT PIPE, CLASS III, 1050 MM	M	88.00	88.00	
0240	52260	REINFORCED CONCRETE APRON ENDWALLS FOR CULVERT PIPE, 300 MM	EACH	2.00	1.00	1.00
0250	52264	REINFORCED CONCRETE APRON ENDWALLS FOR CULVERT PIPE, 600 MM	EACH	4.00	4.00	
0260	52266	REINFORCED CONCRETE APRON ENDWALLS FOR CULVERT PIPE, 750 MM	EACH	4.00	4.00	
0270	60123	CONCRETE CURB AND GUTTER, 750 MM, TYPE A	M	6,899.00	3,184.00	3,715.00
0280	60604	MEDIUM RANDOM RIPRAP	M3	110.00	110.00	
0290	60825	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 300 MM	M	787.00	353.00	434.00
0300	60826	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 375 MM	M	284.00	284.00	

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4994-00-78 QUANTITY	4994-00-82 QUANTITY
0310	60827	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 450 MM	M	6.00		6.00
0320	60829	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 600 MM	M	1,799.00	60.00	1,739.00
0330	60831	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 750 MM	M	5.00	5.00	
0340	60853	REINFORCED CONCRETE PIPE, CLASS IV, STORM SEWER, 525 MM	M	7.00	7.00	
0350	60854	REINFORCED CONCRETE PIPE, CLASS IV, STORM SEWER, 600 MM	M	572.00	572.00	
0360	61110	MANHOLES, TYPE 1	EACH	35.00	12.00	23.00
0370	61112	MANHOLES, TYPE 3	EACH	7.00	6.00	1.00
0380	61121	INLETS, TYPE 1	EACH	21.00	14.00	7.00
0390	61122	INLETS, TYPE 3	EACH	74.00	36.00	38.00
0400	61151	MANHOLE COVERS, TYPE J	EACH	40.00	18.00	22.00
0410	61156	INLET COVERS, TYPE H-S	EACH	15.00	6.00	9.00
0420	61163	INLET COVERS, TYPE C	EACH	20.00	14.00	6.00
0430	61167	INLET COVERS, TYPE H	EACH	62.00	31.00	31.00
0440	61910	MOBILIZATION	LS	1.00	0.40	0.60
0450	62401	WATER	KL	927.00	441.00	486.00
0460	62501	TOPSOIL	M2	35,892.00	16,597.00	19,295.00
0470	62702	MULCHING	M2	35,892.00	16,597.00	19,295.00
0480	62815	SILT FENCE, DELIVERED	M	408.00	368.00	40.00
0490	62816	SILT FENCE, INSTALLED	M	408.00	368.00	40.00
0500	62817	SILT FENCE MAINTENANCE	M	204.00	184.00	20.00
0510	62819	MOBILIZATIONS, EROSION CONTROL	EACH	4.00	2.00	2.00
0520	62821	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	4.00	2.00	2.00
0530	62822	EROSION MAT, DELIVERED, CLASS I, TYPE A	M2	3,420.00	384.00	3,036.00
0540	62823	EROSION MAT, INSTALLED, CLASS I, TYPE A	M2	3,420.00	384.00	3,036.00
0550	62905	FERTILIZER, TYPE B	KG	1,261.00	583.00	678.00
0560	63011	SEEDING, MIXTURE NO. 40	KG	365.00	168.00	197.00
0570	63101	SODDING	M2	15.00		15.00
0580	64202	FIELD OFFICE, TYPE B	LS	1.00	0.50	0.50
0590	64301	TRAFFIC CONTROL	LS	1.00	0.50	0.50
0600	64313	TRAFFIC CONTROL, DRUMS	DAYS	31,506.00	14,628.00	16,878.00
0610	64318	TRAFFIC CONTROL, BARRICADES, TYPE III	DAYS	3,123.00	1,518.00	1,605.00
0620	64321	TRAFFIC CONTROL, WARNING LIGHTS, TYPE A	DAYS	9,597.00	4,416.00	5,181.00

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4994-00-78 QUANTITY	4994-00-82 QUANTITY
0630	64323	TRAFFIC CONTROL, WARNING LIGHTS, TYPE C	DAYS	870.00		870.00
0640	64326	TRAFFIC CONTROL, SIGNS	DAYS	10,635.00	5,568.00	5,067.00
0650	64329	TRAFFIC CONTROL, FLEXIBLE TUBULAR MARKER POSTS	EACH	44.00		44.00
0660	64333	TRAFFIC CONTROL, FLEXIBLE TUBULAR MARKER BASES	EACH	44.00		44.00
0670	64601	PAVEMENT MARKING, 100 MM, PAINT	M	15,463.00	6,821.00	8,642.00
0680	64642	REMOVING PAVEMENT MARKINGS	M	756.00		756.00
0690	64701	PAVEMENT MARKING, RAILROAD CROSSINGS, PAINT	EACH	2.00		2.00
0700	64709	PAVEMENT MARKING, STOP LINE, 450 MM, PAINT	M	60.00		60.00
0710	64904	TEMPORARY PAVEMENT MARKING, 100 MM, REMOVABLE TAPE	M	960.00		960.00
0720	65221	NONMETALLIC CONDUIT, SCHEDULE 40, 75 MM	M	155.00		155.00
0730	66501	SAWING EXISTING PAVEMENT	M	429.80	197.00	232.80
0740	66502	SAWING CONCRETE PAVEMENT, FULL DEPTH	M	9.40	9.40	
0750	90001	MISC ITEM 90001A, PRELIMINARY CONSTRUCTION STAKING	M	3,873.00	1,795.00	2,078.00
0760	90001	MISC ITEM 90001B, CONSTRUCTION STAKING, SUBGRADE, SPECIAL	M	3,873.00	1,795.00	2,078.00
0770	90001	MISC ITEM 90001C, CONST. STAKING, CURB, GUTTER, AND C&G, SPECIAL	M	129.00		129.00
0780	90001	MISC ITEM 90001C, CONSTRUCTION STAKING, CURB, GUTTER, AND CURB AND GUTTER, SPECIAL	M	6,770.00	3,184.00	3,586.00
0790	90001	MISC ITEM 90001D, CONSTRUCTION STAKING, CONCRETE PAVEMENT, SPECIAL	M	3,399.00	1,575.00	1,824.00
0800	90001	MISC ITEM 90001E, REINF. CONC. HORIZ. ELLIPT. PIPE,CL. HE-IV,STORM SEWER,490 X 770 MM	M	128.00	128.00	
0810	90005	MISC ITEM 90005A, CONSTRUCTION STAKING, STORM SEWER SYSTEM	EACH	144.00	73.00	71.00
0820	90005	MISC ITEM 90005B, CONSTRUCTION STAKING, PIPE CULVERTS, SPECIAL	EACH	9.00	9.00	
0830	90005	MISC ITEM 90005C, INLET, TYPE 1, MODIFIED	EACH	11.00	10.00	1.00
0840	90005	MISC ITEM 90005D, INLET, TYPE 3, MODIFIED	EACH	13.00	12.00	1.00
0850	90005	MISC ITEM 90005E, SPECIAL INLET COVER, TYPE D	EACH	1.00		1.00
0860	90365	QMP, BASE COURSES	MG	21,941.00	10,430.00	11,511.00
0870	90401	QMP, PLACEMENT OF CONCRETE PAVEMENT	P.D.	26.00	12.00	14.00
0880	90421	QMP, AGGREGATE FOR CONCRETE PAVEMENT	M2	46,356.00	21,787.00	24,569.00

DATE 21JUL99

E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	4994-00-78 QUANTITY	4994-00-82 QUANTITY

TRAFFIC CONTROL DRUMS AND WARNING LIGHTS, AND SIGNS

STATION	LOCATION	DRUMS		WARNING LIGHTS TYPE "C"		BARRICADES TYPE III		WARNING LIGHTS, BARRICADES		TYPE "A" SIGN		SIGNS		SIGN NO.	REMARKS	FLEXIBLE TUBULAR MARKERS (POSTS AND BASES)
		EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS			EACH
PROJ. 4994-00-82	CATEGORY 0010															
11+600	C.T.H. "A"					2	276	4	552			1	138	R11-4	ROAD CLOSED TO THRU TRAFFIC	
7+180	SNELL RD.									1	138	2	276	W20-1, G20-2	ROAD WORK AHEAD, END ROAD WORK	
8+040	PICKETT AVE.					2	276	4	552			1	138	R11-2	ROAD CLOSED	
8+190	PICKETT AVE.									1	138	2	276	W20-3, G20-2	ROAD CLOSED 500', END ROAD WORK	
8+340	PICKETT AVE.									1	138	1	138	W20-3	ROAD CLOSED AHEAD	
8+665	BUTLER AVE.									1	138	1	138	W20-3	ROAD CLOSED AHEAD	
8+815	BUTLER AVE.									1	138	2	276	W20-3, G20-2	ROAD CLOSED 500', END ROAD WORK	
8+965	BUTLER AVE.					2	276	4	552			1	138	R11-2	ROAD CLOSED	
9+025	BUTLER AVE.					2	276	4	552			1	138	R11-2	ROAD CLOSED	
9+175	BUTLER AVE.									1	138	2	276	W20-3, G20-2	ROAD CLOSED 500', END ROAD WORK	
9+325	BUTLER AVE.									1	138	1	138	W20-3	ROAD CLOSED AHEAD	
9+812	C.T.H. "Y"									1	138	2	276	W20-1, G20-2	ROAD WORK AHEAD, END ROAD WORK	
10+188	C.T.H. "Y"									1	138	2	276	W20-1, G20-2	ROAD WORK AHEAD, END ROAD WORK	
11+585	C.T.H. "A"											2	180	R3-1, R6-2R	NO RIGHT TURN SYMBOL, ONE WAY	
12+262	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
12+280	C.T.H. "A"											2	180	R3-2, R6-2R	NO LEFT TURN SYMBOL, ONE WAY	
12+403	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
12+410	C.T.H. "A"											2	180	R6-2L, R3-2	NO LEFT TURN SYMBOL, ONE WAY	
12+435	C.T.H. "A"											2	180	R3-1, R6-2R	NO RIGHT TURN SYMBOL, ONE WAY	
13+200	C.T.H. "A"											1	90	R5-9	WRONG WAY	
13+275	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
13+285	C.T.H. "A"											1	90	R3-1	NO RIGHT TURN SYMBOL	
13+318	C.T.H. "A"											1	90	R3-2	NO LEFT TURN SYMBOL	
13+320	C.T.H. "A"					2	276	4	552			1	138	R11-4	ROAD CLOSED TO THRU TRAFFIC	
13+560	C.T.H. "A"									1	138	2	276	W20-1, G20-2	ROAD WORK 500', END ROAD WORK	
13+710	C.T.H. "A"									1	138	1	138	W20-1	ROAD WORK 1000'	
13+860	C.T.H. "A"									1	138	1	138	W20-1	ROAD WORK AHEAD	
11+575-13+280	C.T.H. "A"	116	16,008												SPACING • 15 METERS	
SUBTOTALS			16,008				1,380		2,760		1,656		4,572			
PROJ. 4994-00-82	CATEGORY 0020															
30+030	NICOLET AVE.					3	135	6	270			1	45	R11-2	ROAD CLOSED	
30+180	NICOLET AVE.									1	45	1	45	W20-3	ROAD CLOSED 500'	
30+330	NICOLET AVE.									1	45	1	45	W20-3	ROAD CLOSED AHEAD	
19+470	C.T.H. "AA"									1	45	1	45	W20-1	ROAD WORK AHEAD	
19+620	C.T.H. "AA"									1	45	1	45	W20-3	ROAD WORK 1000'	
19+770	C.T.H. "AA"									1	45	2	90	W01-4L/R,G20-2	LEFT/RIGHT REVERSE CURVE SYMBOL, END ROAD WORK	
19+888-20+044	C.T.H. "AA"	39	870	39	870										PHASE 1 AND 2	44
19+920	C.T.H. "AA"					2	50	4	100			1	25	W01-6	ARROW, PHASE 1	
20+020	C.T.H. "AA"					2	40	4	80	1	45	1	20	W01-6	ARROW, PHASE 2	
20+170	C.T.H. "AA"									1	45	2	90	W01-4L/R,G20-2	LEFT/RIGHT REVERSE CURVE SYMBOL, END ROAD WORK	
20+270	C.T.H. "AA"											1	45	W20-1	ROAD WORK AHEAD	
SUBTOTAL			870		870		225		450		315		495			44
TOTALS			31,506		870		3,123		6,246		3,396		10,680			44

CLEARING AND GRUBBING

STATION-STATION	LOCATION	CLEARING 25 mm	CLEARING 40 m	GRUBBING 25 mm	GRUBBING 40 m
PROJ. 4994-00-78					
10+072	C.T.H. "A" 7.5 m RT.	20		20	
10+092	C.T.H. "A" 7.5 m RT.	20		20	
10+120-10+200	C.T.H. "A" RT.		2		2
10+196	C.T.H. "A" 8 m RT.	20		20	
10+423	C.T.H. "A" 9 m LT.	8		8	
10+458	C.T.H. "A" 9.5 m RT.	4		4	
10+638	C.T.H. "A" 11 m RT.	16		16	
10+651	C.T.H. "A" 11 m RT.	24		24	
11+218	C.T.H. "A" 13.5 m LT.	12		12	
11+240-11+280	C.T.H. "A" RT.		1		1
11+351	C.T.H. "A" 17 m LT.	12		12	
11+351	C.T.H. "A" 18.5 m LT.	12		12	
11+352	C.T.H. "A" 17.5 m LT.	12		12	
11+377	C.T.H. "A" 14.5 m LT.	8		8	
11+394	C.T.H. "A" 23 m LT.	6		6	
11+401	C.T.H. "A" 16 m LT.	6		6	
11+403	C.T.H. "A" 16.5 m LT.	6		6	
11+407	C.T.H. "A" 15.5 m LT.	6		6	
11+416	C.T.H. "A" 14.5 m LT.	4		4	
11+421	C.T.H. "A" 14.5 m LT.	4		4	
11+440-11+520	C.T.H. "A" LT.		2		2
1+015	MacARTHUR LN. 10 m LT.	12		12	
1+017	MacARTHUR LN. 11.5 m LT.	8		8	
SUBTOTALS		220	5	220	5
PROJ. 4994-00-82	CATEGORY 0010				
12+401	C.T.H. "A" 9 m RT.	16		16	
7+026	SNELL RD. 8 m LT.	4		4	
9+020	BUTLER AVE. 7.5 m LT.	28		28	
12+578	C.T.H. "A" 13.5 m LT.	12		12	
12+582	C.T.H. "A" 11.5 m LT.	12		12	
12+640-12+720	C.T.H. "A" RT.		2		2
12+718	C.T.H. "A" 11 m LT.	8		8	
12+720	C.T.H. "A" 10.5 m LT.	28		28	
SUBTOTALS		108	2	108	2
TOTALS		328	7	328	7

REMOVING CONCRETE CURB AND GUTTER

STATION-STATION	LOCATION	LENGTH m
PROJ. 4994-00-82	CATEGORY 0010	
12+388-12+453	C.T.H. "A" RT.	81

PAVEMENT REMOVAL

STATION-STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	11,340
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+410	C.T.H. "A"	13,212
PROJ. 4994-00-82	CATEGORY 0020	
19+955-19+985	C.T.H. "AA"	121
TOTAL		24,673

REMOVING R.R. TRACKS

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82	CATEGORY 0020	
19+957	C.T.H. "AA"	23

SAWING EXISTING PAVEMENT

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
1+020	MacARTHUR LN.	5.5
2+040	SHADOW LN.	6.7
10+495	C.T.H. "A" LT.	10.5
10+553	C.T.H. "A" RT.	2.7
10+581	C.T.H. "A" RT.	2.8
3+020	MILLER LN.	5.6
4+030	RIDGE LN.	5.2
5+030	KEENVILLE LN.	6.2
6+770-10+834	C.T.H. "A" LT.	70.1
10+897	C.T.H. "A" LT.	7.9
10+934	C.T.H. "A" LT.	6.4
10+991	C.T.H. "A" LT.	8.8
11+021	C.T.H. "A" LT.	7.0
6+020	DRIFTWOOD LN.	6.7
11+195	C.T.H. "A" RT.	7.3
11+209	C.T.H. "A" RT.	5.0
11+226	C.T.H. "A" LT.	9.0
11+323	C.T.H. "A" LT.	9.0
7+030	SNELL RD.	6.7
6+970	SNELL RD.	7.9
SUBTOTAL		197.0
PROJ. 4994-00-82	CATEGORY 0010	
8+040	PICKETT AVE.	6.9
12+327-12+377	C.T.H. "A" RT.	53.0
8+965	BUTLER AVE.	6.2
9+025	BUTLER AVE.	10.6
12+491	C.T.H. "A" RT.	9.0
13+190	C.T.H. "A" RT.	6.0
13+280	C.T.H. "A" RT.	13.5
9+063	C.T.H. "Y"	6.9
10+017-10+024	C.T.H. "Y" RT.	6.5
10+038	C.T.H. "Y"	7.4
13+410	C.T.H. "A"	6.8
SUBTOTAL		132.8
PROJ. 4994-00-82	CATEGORY 0020	
19+932-19+980	C.T.H. "AA"	48.0
19+988-20+000	C.T.H. "AA"	12.0
19+974-19+986	C.T.H. "AA"	20.0
19+982-19+994	C.T.H. "AA"	20.0
SUBTOTAL		100.0
TOTAL		429.8

SAWING EXISTING CONCRETE PAVEMENT, FULL DEPTH

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
10+436	C.T.H. "A" LT.	3.4
11+253	C.T.H. "A" RT.	6.0
TOTAL		9.4

EARTHWORK SUMMARY

STATION	LOCATION	UNCLASSIFIED EXCAVATION (m3)	FILL (m3)	WASTE (m3)
PROJ. 4994-00-78				
10+000-11+575	C.T.H. "A"	13,660	3,468	10,192
1+000-1+020	MACARTHUR LANE	28	19	9
2+000-2+040	SHADOW LANE	92	0	92
3+000-3+020	MILLER LANE	11	0	11
4+000-4+030	RIDGE LANE	28	0	28
5+000-5+030	KEENVILLE AVE.	43	4	39
6+000-6+020	DRIFTWOOD LANE	6	1	5
6+970-7+030	SNELL ROAD	404	35	369
	SUBTOTALS	14,272	3,527	10,745
PROJ. 4994-00-82	CATEGORY 0010			
11+575-13+410	C.T.H. "A"	21,718	1,242	20,476
8+000-8+040	PICKET AVE.	102	0	102
8+965-9+025	BUTLER AVE.	331	1	330
9+962.5-10+037.5	C.T.H. "Y"	524	17	507
	SUBTOTALS	22,675	1,260	21,415
	TOTALS	36,947	4,787	32,160

REMOVING OLD CULVERT PIPES

STATION	LOCATION	QUANTITY EACH	REMARKS
PROJ. 4994-00-78			
10+216	C.T.H. "A" RT.	1	1-300 mm C.P.
10+256	C.T.H. "A" RT.	1	1-300 mm C.P.
10+370	C.T.H. "A" RT.	1	1-450 mm C.P.
10+392	C.T.H. "A" LT.	1	1-375 mm C.P.
10+410	C.T.H. "A" RT.	1	1-450 mm C.P.
10+472	C.T.H. "A" RT.	1	1-450 mm C.P.
10+495	C.T.H. "A" LT.	1	1-300 mm C.P.
10+525	C.T.H. "A" RT.	1	1-375 mm C.P.
10+537	C.T.H. "A" LT./RT.	1	1-600x1200 mm BOX CULV.
10+553	C.T.H. "A" RT.	1	1-450 mm C.P.
10+581	C.T.H. "A" RT.	1	1-450 mm C.P.
10+590	C.T.H. "A" RT.	1	1-450 mm C.P.
10+620	C.T.H. "A" RT.	1	1-450 mm C.P.
10+644	C.T.H. "A" RT.	1	1-300 mm C.P.
10+658	C.T.H. "A" LT.	1	1-450 mm C.P.
10+727	C.T.H. "A" RT.	1	1-375 mm C.P.
10+732	C.T.H. "A" LT.	1	1-450 mm C.P.
10+740	C.T.H. "A" RT.	1	1-375 mm C.P.
10+768	C.T.H. "A" LT./RT.	1	1-375 mm C.P.
10+777	C.T.H. "A" LT.	1	1-525 mm C.P.
10+777	C.T.H. "A" RT.	1	1-450 mm C.P.
10+853	C.T.H. "A" LT.	1	1-450 mm C.P.
10+858	C.T.H. "A" RT.	1	1-375 mm C.P.
10+897	C.T.H. "A" LT.	1	1-600 mm C.P.
10+909	C.T.H. "A" RT.	1	1-375 mm C.P.
10+934	C.T.H. "A" LT.	1	1-450 mm C.P.
10+950	C.T.H. "A" RT.	1	1-375 mm C.P.
10+991	C.T.H. "A" LT.	1	1-450 mm C.P.
11+108	C.T.H. "A" LT.	1	1-450 mm C.P.
11+130	C.T.H. "A" RT.	1	1-450 mm C.P.
11+166	C.T.H. "A" RT.	1	1-450 mm C.P.
11+195	C.T.H. "A" RT.	1	1-450 mm C.P.
11+197	C.T.H. "A" LT.	1	1-450 mm C.P.
11+209	C.T.H. "A" RT.	1	1-450 mm C.P.
11+226	C.T.H. "A" LT.	1	1-450 mm C.P.
11+253	C.T.H. "A" RT.	1	1-450 mm C.P.
11+257	C.T.H. "A" LT.	1	1-450 mm C.P.
11+323	C.T.H. "A" LT.	4	4-900 mm C.P.
11+350	C.T.H. "A" LT./RT.	3	3-1200 mm C.P.
11+575	C.T.H. "A" RT.	1	1-450 mm C.P.
SUBTOTAL		45	
PROJ. 4994-00-82	CATEGORY 0010		
11+600	C.T.H. "A" LT.	1	1-300 mm C.P.
12+070	C.T.H. "A" RT.	1	1-450 mm C.P.
12+216	C.T.H. "A" LT.	1	1-450 mm C.P.
12+290	C.T.H. "A" RT.	1	1-300 mm C.P.
12+332	C.T.H. "A" RT.	1	1-450 mm C.P.
12+423	C.T.H. "A" LT.	1	1-600 mm C.P.
12+491	C.T.H. "A" RT.	1	1-450 mm C.P.
13+034	C.T.H. "A" RT.	1	1-300 mm C.P.
13+152	C.T.H. "A" RT.	1	1-300 mm C.P.
13+190	C.T.H. "A" RT.	1	1-300 mm C.P.
13+204	C.T.H. "A" RT.	1	1-300 mm C.P.
13+265	C.T.H. "A" LT.	1	1-375 mm C.P.
13+277	C.T.H. "A" RT.	1	1-450 mm C.P.
13+304	C.T.H. "A" RT.	1	1-375 mm C.P.
SUBTOTAL		14	
TOTAL		59	

NON-METALLIC CONDUIT, SCHEDULE 40, 75 mm

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82	CATEGORY 0010	
11+560	ACROSS C.T.H. "A"	19
11+590	ACROSS C.T.H. "A"	18
13+285	ACROSS C.T.H. "A"	20
13+320	ACROSS C.T.H. "A"	20
6+987	ACROSS SNELL ROAD	21
7+013	ACROSS SNELL ROAD	21
9+983	ACROSS C.T.H. "Y"	17
10+015	ACROSS C.T.H. "Y"	19
TOTAL		155

REVISED SHEET

*-DENOTES REVISED MISCELLANEOUS QUANTITY

CLEARING AND GRUBBING

STATION-STATION	LOCATION	CLEARING 25 mm	CLEARING 40 m	GRUBBING 25 mm	GRUBBING 40 m
PROJ. 4994-00-78					
10+072	C.T.H. "A" 7.5 m RT.	20		20	
10+092	C.T.H. "A" 7.5 m RT.	20		20	
10+120-10+200	C.T.H. "A" RT.		2		2
10+196	C.T.H. "A" 8 m RT.	20		20	
10+423	C.T.H. "A" 9 m LT.	8		8	
10+458	C.T.H. "A" 9.5 m RT.	4		4	
10+638	C.T.H. "A" 11 m RT.	16		16	
10+651	C.T.H. "A" 11 m RT.	24		24	
11+218	C.T.H. "A" 13.5 m LT.	12		12	
11+240-11+280	C.T.H. "A" RT.		1		1
11+351	C.T.H. "A" 17 m LT.	12		12	
11+351	C.T.H. "A" 18.5 m LT.	12		12	
11+352	C.T.H. "A" 17.5 m LT.	12		12	
11+377	C.T.H. "A" 14.5 m LT.	8		8	
11+394	C.T.H. "A" 23 m LT.	6		6	
11+401	C.T.H. "A" 16 m LT.	6		6	
11+403	C.T.H. "A" 16.5 m LT.	6		6	
11+407	C.T.H. "A" 15.5 m LT.	6		6	
11+416	C.T.H. "A" 14.5 m LT.	4		4	
11+421	C.T.H. "A" 14.5 m LT.	4		4	
11+440-11+520	C.T.H. "A" LT.		2		2
1+015	MacARTHUR LN. 10 m LT.	12		12	
1+017	MacARTHUR LN. 11.5 m LT.	8		8	
SUBTOTALS		220	5	220	5
PROJ. 4994-00-82	CATEGORY 0010				
12+401	C.T.H. "A" 9 m RT.	16		16	
7+026	SNELL RD. 8 m LT.	4		4	
9+020	BUTLER AVE. 7.5 m LT.	28		28	
12+578	C.T.H. "A" 13.5 m LT.	12		12	
12+582	C.T.H. "A" 11.5 m LT.	12		12	
12+640-12+720	C.T.H. "A" RT.		2		2
12+718	C.T.H. "A" 11 m LT.	8		8	
12+720	C.T.H. "A" 10.5 m LT.	28		28	
SUBTOTALS		108	2	108	2
TOTALS		328	7	328	7

REMOVING CONCRETE CURB AND GUTTER

STATION-STATION	LOCATION	LENGTH m
PROJ. 4994-00-82	CATEGORY 0010	
12+388-12+453	C.T.H. "A" RT.	81

PAVEMENT REMOVAL

STATION-STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	11,340
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+410	C.T.H. "A"	13,212
PROJ. 4994-00-82	CATEGORY 0020	
19+955-19+985	C.T.H. "AA"	121
TOTAL		24,673

REMOVING R.R. TRACKS

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82	CATEGORY 0020	
19+957	C.T.H. "AA"	23

SAWING EXISTING CONCRETE PAVEMENT. FULL DEPTH

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
10+436	C.T.H. "A" LT.	3.4
11+253	C.T.H. "A" RT.	6.0
TOTAL		9.4

SAWING EXISTING PAVEMENT

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
1+020	MacARTHUR LN.	5.5
2+040	SHADOW LN.	6.7
10+495	C.T.H. "A" LT.	10.5
10+553	C.T.H. "A" RT.	2.7
10+581	C.T.H. "A" RT.	2.8
3+020	MILLER LN.	5.6
4+030	RIDGE LN.	5.2
5+030	KEENVILLE LN.	6.2
6+770-10+834	C.T.H. "A" LT.	70.1
10+897	C.T.H. "A" LT.	7.9
10+934	C.T.H. "A" LT.	6.4
10+991	C.T.H. "A" LT.	8.8
11+021	C.T.H. "A" LT.	7.0
6+020	DRIFTWOOD LN.	6.7
11+195	C.T.H. "A" RT.	7.3
11+209	C.T.H. "A" RT.	5.0
11+226	C.T.H. "A" LT.	9.0
11+323	C.T.H. "A" LT.	9.0
7+030	SNELL RD.	6.7
6+970	SNELL RD.	7.9
SUBTOTAL		197.0
PROJ. 4994-00-82	CATEGORY 0010	
8+040	PICKETT AVE.	6.9
12+327-12+377	C.T.H. "A" RT.	53.0
8+965	BUTLER AVE.	6.2
9+025	BUTLER AVE.	10.6
12+491	C.T.H. "A" RT.	9.0
13+190	C.T.H. "A" RT.	6.0
13+280	C.T.H. "A" RT.	13.5
9+063	C.T.H. "Y"	6.9
10+017-10+024	C.T.H. "Y" RT.	6.5
10+038	C.T.H. "Y"	7.4
13+410	C.T.H. "A"	6.8
SUBTOTAL		132.8
PROJ. 4994-00-82	CATEGORY 0020	
19+932-19+980	C.T.H. "AA"	48.0
19+988-20+000	C.T.H. "AA"	12.0
19+974-19+986	C.T.H. "AA"	20.0
19+982-19+994	C.T.H. "AA"	20.0
SUBTOTAL		100.0
TOTAL		429.8

*-REVISED MISCELLANEOUS QUANTITY

EARTHWORK SUMMARY

STATION	LOCATION	UNCLASSIFIED EXCAVATION (m3)	FILL (m3)	MARSH (m3)	WASTE (m3)	EBS (m3)
PROJ. 4994-00-78						
10+000-11+575	C.T.H. "A"	13,660	3,468	2,040	12,232	960
EXCAVATION FOR BREAKER RUN	C.T.H. "A"	616	0		616	
1+000-1+020	MACARTHUR LANE	28	19		9	
2+000-2+040	SHADOW LANE	92	0		92	
3+000-3+020	MILLER LANE	11	0		11	
4+000-4+030	RIDGE LANE	28	0		28	
5+000-5+030	KEENVILLE AVE.	43	4		39	
6+000-6+020	DRIFTWOOD LANE	6	1		5	
6+970-7+030	SNELL ROAD	404	35		369	
	SUBTOTALS	14,888	3,527	2,040	13,401	960
PROJ. 4994-00-82	CATEGORY 0010					
11+575-13+410	C.T.H. "A"	21,718	1,242		20,476	480
EXCAVATION FOR BREAKER RUN	C.T.H. "A"	7,182	0		7,182	
8+000-8+040	PICKET AVE.	102	0		102	
8+965-9+025	BUTLER AVE.	331	1		330	
9+962.5-10+037.5	C.T.H. "Y"	524	17		507	
	SUBTOTALS	29,857	1,260		28,597	480
	TOTALS	44,745	4,787	2,040	41,998	1,440

REMOVING OLD CULVERT PIPES

STATION	LOCATION	QUANTITY EACH	REMARKS
PROJ. 4994-00-78			
10+216	C.T.H. "A" RT.	1	1-300 mm C.P.
10+256	C.T.H. "A" RT.	1	1-300 mm C.P.
10+370	C.T.H. "A" RT.	1	1-450 mm C.P.
10+392	C.T.H. "A" LT.	1	1-375 mm C.P.
10+410	C.T.H. "A" RT.	1	1-450 mm C.P.
10+472	C.T.H. "A" RT.	1	1-450 mm C.P.
10+495	C.T.H. "A" LT.	1	1-300 mm C.P.
10+525	C.T.H. "A" RT.	1	1-375 mm C.P.
10+537	C.T.H. "A" LT./RT.	1	1-600x1200 mm BOX CULV.
10+553	C.T.H. "A" RT.	1	1-450 mm C.P.
10+581	C.T.H. "A" RT.	1	1-450 mm C.P.
10+590	C.T.H. "A" RT.	1	1-450 mm C.P.
10+620	C.T.H. "A" RT.	1	1-450 mm C.P.
10+644	C.T.H. "A" RT.	1	1-300 mm C.P.
10+658	C.T.H. "A" LT.	1	1-450 mm C.P.
10+727	C.T.H. "A" RT.	1	1-375 mm C.P.
10+732	C.T.H. "A" LT.	1	1-450 mm C.P.
10+740	C.T.H. "A" RT.	1	1-375 mm C.P.
10+768	C.T.H. "A" LT./RT.	1	1-375 mm C.P.
10+777	C.T.H. "A" LT.	1	1-525 mm C.P.
10+777	C.T.H. "A" RT.	1	1-450 mm C.P.
10+853	C.T.H. "A" LT.	1	1-450 mm C.P.
10+858	C.T.H. "A" RT.	1	1-375 mm C.P.
10+897	C.T.H. "A" LT.	1	1-600 mm C.P.
10+909	C.T.H. "A" RT.	1	1-375 mm C.P.
10+934	C.T.H. "A" LT.	1	1-450 mm C.P.
10+950	C.T.H. "A" RT.	1	1-375 mm C.P.
10+991	C.T.H. "A" LT.	1	1-450 mm C.P.
11+108	C.T.H. "A" LT.	1	1-450 mm C.P.
11+130	C.T.H. "A" RT.	1	1-450 mm C.P.
11+166	C.T.H. "A" RT.	1	1-450 mm C.P.
11+195	C.T.H. "A" RT.	1	1-450 mm C.P.
11+197	C.T.H. "A" LT.	1	1-450 mm C.P.
11+209	C.T.H. "A" RT.	1	1-450 mm C.P.
11+226	C.T.H. "A" LT.	1	1-450 mm C.P.
11+253	C.T.H. "A" RT.	1	1-450 mm C.P.
11+257	C.T.H. "A" LT.	1	1-450 mm C.P.
11+323	C.T.H. "A" LT.	4	4-900 mm C.P.
11+350	C.T.H. "A" LT./RT.	3	3-1200 mm C.P.
11+575	C.T.H. "A" RT.	1	1-450 mm C.P.
SUBTOTAL		45	
PROJ. 4994-00-82	CATEGORY 0010		
11+600	C.T.H. "A" LT.	1	1-300 mm C.P.
12+070	C.T.H. "A" RT.	1	1-450 mm C.P.
12+216	C.T.H. "A" LT.	1	1-450 mm C.P.
12+290	C.T.H. "A" RT.	1	1-300 mm C.P.
12+332	C.T.H. "A" RT.	1	1-450 mm C.P.
12+423	C.T.H. "A" LT.	1	1-600 mm C.P.
12+491	C.T.H. "A" RT.	1	1-450 mm C.P.
13+034	C.T.H. "A" RT.	1	1-300 mm C.P.
13+152	C.T.H. "A" RT.	1	1-300 mm C.P.
13+190	C.T.H. "A" RT.	1	1-300 mm C.P.
13+204	C.T.H. "A" RT.	1	1-300 mm C.P.
13+265	C.T.H. "A" LT.	1	1-375 mm C.P.
13+277	C.T.H. "A" RT.	1	1-450 mm C.P.
13+304	C.T.H. "A" RT.	1	1-375 mm C.P.
SUBTOTAL		14	
TOTAL		59	

NON-METALLIC CONDUIT. SCHEDULE 40. 75 mm

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82	CATEGORY 0010	
11+560	ACROSS C.T.H. "A"	19
11+590	ACROSS C.T.H. "A"	18
13+285	ACROSS C.T.H. "A"	20
13+320	ACROSS C.T.H. "A"	20
6+987	ACROSS SNELL ROAD	21
7+013	ACROSS SNELL ROAD	21
9+983	ACROSS C.T.H. "Y"	17
10+015	ACROSS C.T.H. "Y"	19
TOTAL		155

MISCELLANEOUS QUANTITIES | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-78, 4994-00-82 | SHEET NO: 3.8 | M

WisDOT: MSHT42

REVISED SHEET

*-DENOTES REVISED OR NEW MISCELLANEOUS QUANTITY

CONCRETE CURB AND GUTTER, 750 mm TYPE 'A'

STATION-STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
10+000-11+571	C.T.H. "A" LT.	1,577
10+000-10+367	C.T.H. "A" RT.	371
10+375-10+471	C.T.H. "A" RT.	108
10+477-10+641	C.T.H. "A" RT.	182
10+648-10+724	C.T.H. "A" RT.	84
10+732-10+773	C.T.H. "A" RT.	53
10+781-11+017	C.T.H. "A" RT.	247
11+026-11+570	C.T.H. "A" RT.	562
SUBTOTAL		3,184
PROJ. 4994-00-82	CATEGORY 0010	
11+580-12+418	C.T.H. "A" LT.	854
11+580-12+279	C.T.H. "A" RT.	727
12+426-13+289	C.T.H. "A" LT.	879
12+288-12+422	C.T.H. "A" RT.	166
12+432-13+307	C.T.H. "A" RT.	896
13+299-13+331	C.T.H. "A" LT.	38
13+315-13+331	C.T.H. "A" RT.	26
SUBTOTAL		3,586
PROJ. 4994-00-82	CATEGORY 0020	
19+932-19+988	C.T.H. "AA" LT.	56
19+932-19+975	C.T.H. "AA" RT.	43
19+932-19+995	C.T.H. "AA" RT.	24
19+994-20+000	C.T.H. "AA" LT.	6
SUBTOTAL		129
TOTAL		6,899

*-NEW MISCELLANEOUS QUANTITY

SALVAGED ASPHALTIC PAVEMENT, BASE COURSE

STATION-STATION	LOCATION	QUANTITY (m3)	REMARKS
10+000-11+575	C.T.H. "A"	2,550	DISPLACES CRUSHED AGGREGATE BASE COURSE
11+270-11+440	C.T.H. "A"	1,929	MARSH EXCAVATION BACKFILL
11+575-13+410	C.T.H. "A"	1,929	DISPLACES CRUSHED AGGREGATE BASE COURSE
	TOTAL	6,408	

*-REVISED MISCELLANEOUS QUANTITY

CRUSHED AGGREGATE BASE COURSE (150 mm)

STATION-STATION	LOCATION	CRUSHED AGGREGATE BASE COURSE MAINLINE Mg	WATER kL
PROJ. 4994-00-78			
10+000-11+575	C.T.H. "A"	4,330	377
1+010-10+020	MacARTHUR LN.	44	2
2+008-2+040	SHADOW LN.	124	6
3+007-3+020	MILLER LN.	44	2
4+007-4+030	RIDGE LN.	75	3
5+007-5+030	KEENVILLE AVE.	91	4
6+007-6+020	DRIFTWOOD LN.	52	3
6+970-7+030	SNELL RD.	300	13
	P.E.'s	740	31
SUBTOTALS		5,800	441
PROJ. 4994-00-82	CATEGORY 0010		
11+575-13+410	C.T.H. "A"	5,575	429
8+008-8+040	PICKETT AVE.	139	6
8+965-9+025	BUTLER AVE.	201	9
9+062.5-10+037.5	C.T.H. "Y"	368	16
	P.E.'s	254	11
SUBTOTALS		6537	471
PROJ. 4994-00-82	CATEGORY 0020		
19+932-20+000	C.T.H. "AA"	344	15
SUBTOTALS		344	15
TOTALS		12,681	927

CROSS DRAINS

STATION	LOCATION	DIAMETER 750 mm R.C.C.P. m	DIAMETER 1050 mm R.C.C.P. m	R.C.C.P. CLASS	ELEVATION INLET	ELEVATION OUTLET	ENDWALLS 750 mm R.C.C.P. EACH
PROJ. 4994-00-78							
10+380	C.T.H. "A"		88	III	227.200	227.100	
11+300	C.T.H. "A"	46		III	227.700	227.600	4
11+440	C.T.H. "A"	84		III	227.900	227.800	
TOTALS		130	88				4

ASPHALTIC CONCRETE PAVEMENT, TYPE "MV", ASPHALTIC MATERIAL FOR PLANT MIXES, AND TACK COAT

STATION-STATION	LOCATION	ASPHALTIC CONCRETE PAVEMENT TYPE "MV" Mg	ASPHALTIC MATERIAL FOR PLANT MIXES @ 5.6% Mg	ASPHALTIC MATERIAL FOR TACK COAT L
PROJ. 4994-00-78				
1+009.5-1+020	MacARTHUR LN.	9	1	9
2+010-2+040	SHADOW LN.	27	2	26
3+009.5-3+020	MILLER LN.	9	1	9
4+009.5-4+030	RIDGE LN.	16	1	16
5+009.5-5+030	KEENVILLE AVE.	20	1	19
6+009.5-6+020	DRIFTWOOD LN.	11	1	11
6+970-7+030	SNELL RD.	80	5	51
P.E.'s		111	7	107
SUBTOTALS		283	19	248
PROJ. 4994-00-82	CATEGORY 0010			
13+331-13+410	C.T.H. "A"	209	12	81
8+010-8+040	PICKETT AVE.	30	2	29
8+965-8+990	BUTLER AVE.	23	1	22
9+009.5-9+025	BUTLER AVE.	21	1	20
9+062.5-9+090	C.T.H. "Y"	50	3	32
10+010-10+37.5	C.T.H. "Y"	49	3	31
P.E.'s		43	2	41
SUBTOTALS		425	24	256
TOTALS		708	43	504

TOPSOIL, MULCHING, FERTILIZER, AND SEEDING

STATION-STATION	LOCATION	TOPSOIL m2	MULCH m2	FERTILIZER TYPE "B" kg	SEEDING NO 40 kg
PROJ. 4994-00-78					
10+00-11+575	C.T.H. "A"	15,331	15,331	537	154
1+00-1+020	MacARTHUR LN.	77	77	3	1
2+000-2+040	SHADOW LN.	161	161	6	2
3+000-3+020	MILLER LN.	55	55	2	1
4+000-4+030	RIDGE LN.	96	96	4	1
5+000-5+030	KEENVILLE AVE.	210	210	8	2
6+000-6+020	DRIFTWOOD LN.	91	91	3	1
6+970-7+030	SNELL RD.	576	576	20	6
SUBTOTALS		16,597	16,597	583	168
PROJ. 4994-00-82	CATEGORY 0010				
11+575-13+410	C.T.H. "A"	17,854	17,854	625	179
8+000-8+040	PICKETT AVE.	257	257	9	3
8+965-9+025	BUTLER AVE.	382	382	14	4
9+962.5-10+037.5	C.T.H. "Y"	432	432	15	5
SUBTOTALS		18,925	18,925	663	191
PROJ. 4994-00-82	CATEGORY 0020				
19+932-19+987	C.T.H. "AA" LT.	165	165	6	2
19+32-19+972	C.T.H. "AA" RT.	120	120	5	2
19+971-19+992	C.T.H. "AA" RT.	70	70	3	1
19+995-20+000	C.T.H. "AA" LT.	15	15	1	1
SUBTOTALS		370	370	15	6
TOTALS		35,892	35,892	1,261	365

PAVEMENT TIES

STATION	LOCATION	QUANTITY EACH	REMARKS
PROJ. 4994-00-78			
10+000	C.T.H. "A"	45	
10+436	C.T.H. "A" LT.	12	
11+253	C.T.H. "A" RT.	20	
SUBTOTAL		77	
PROJ. 4994-00-82	CATEGORY 0020		
19+932	C.T.H. "AA"	46	
19+994-20+000	C.T.H. "AA" RT.	18	ALONG NICOLET AVE.
20+000	C.T.H. "AA"	88	
SUBTOTAL		152	
TOTAL		229	

CONCRETE PAVEMENT, 200 mm

STATION-STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	20,790
1+006.5-1+009.5	MacARTHUR LN.	47
2+007-2+010	SHADOW LN.	58
3+006.5-3+009.5	MILLER LN.	44
4+006.5-4+009.5	RIDGE LN.	44
5+006.5-5+009.5	KEENVILLE AVE.	57
6+006.5-6+009.5	DRIFTWOOD LN.	57
6+990.5-6+993.5	SNELL RD.	81
7+006.5-7+009.5	SNELL RD.	81
SUBTOTAL		21,259
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+331	C.T.H. "A"	23,182
8+007-8+010	PICKETT AVE.	73
8+990-8+993	BUTLER AVE.	61
9+006.5-9+009.5	BUTLER AVE.	67
9+990-9+993	C.T.H. "Y"	86
10+007-10+010	C.T.H. "Y"	85
SUBTOTAL		23,554
PROJ. 4994-00-82	CATEGORY 0020	
19+932-20+000	C.T.H. "AA"	817
SUBTOTAL		817
TOTAL		45,630

PAVEMENT GAPS

STATION-STATION	LOCATION	QUANTITY EACH	REMARKS
PROJ. 4994-00-78			
10+370	C.T.H. "A"- RT.	1	MACARTHUR LANE
10+464	C.T.H. "A"- RT.	1	SHADOW LANE
10+658	C.T.H. "A"- LT.	1	
10+776	C.T.H. "A"- LT.	1	
10+934	C.T.H. "A"- LT.	1	
10+993	C.T.H. "A"- LT.	1	
11+575	C.T.H. "A"- LT./RT.	1	SNELL ROAD
SUBTOTAL		7	
PROJ. 4994-00-82	CATEGORY 0010		
12+331	C.T.H. "A"- LT	1	
13+300	C.T.H. "A"- LT./RT.	1	C.T.H. "Y"
SUBTOTAL		2	
TOTAL		9	

CONCRETE DRIVEWAYS, 150 mm

STATION-STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-78		
10+436	C.T.H. "A" LT.	28
11+253	C.T.H. "A" RT.	34
SUBTOTAL		62
PROJ. 4994-00-82	CATEGORY 0010	
9+021	BUTLER AVE. RT.	50
9+007-9+025	BUTLER AVE. RT.	70
9+012-9+025	BUTLER AVE. LT.	22
SUBTOTAL		142
TOTAL		204

CONCRETE MASONRY, ENDWALLS

STATION-STATION	LOCATION	QUANTITY m3
PROJ. 4994-00-78		
10+376	C.T.H. "A" LT.	4
10+387	C.T.H. "A" RT.	4
11+432	C.T.H. "A" RT.	2
11450	C.T.H. "A" LT.	2
TOTAL		12

CONCRETE CURB AND GUTTER, 750 mm TYPE 'A'

STATION-STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
10+000-11+571	C.T.H. "A" LT.	1,577
10+000-10+367	C.T.H. "A" RT.	371
10+375-10+471	C.T.H. "A" RT.	108
10+477-10+641	C.T.H. "A" RT.	182
10+648-10+724	C.T.H. "A" RT.	84
10+732-10+773	C.T.H. "A" RT.	53
10+781-11+017	C.T.H. "A" RT.	241
11+026-11+570	C.T.H. "A" RT.	562
SUBTOTAL		3,184
PROJ. 4994-00-82	CATEGORY 0010	
11+580-12+418	C.T.H. "A" LT.	854
11+580-12+279	C.T.H. "A" RT.	727
12+426-13+289	C.T.H. "A" LT.	879
12+288-12+422	C.T.H. "A" RT.	166
12+432-13+307	C.T.H. "A" RT.	896
13+299-13+331	C.T.H. "A" LT.	38
13+315-13+331	C.T.H. "A" RT.	26
SUBTOTAL		3,586
PROJ. 4994-00-82	CATEGORY 0020	
19+932-19+988	C.T.H. "AA" LT.	56
19+932-19+975	C.T.H. "AA" RT.	43
19+932-19+995	C.T.H. "AA" RT.	24
19+994-20+000	C.T.H. "AA" LT.	6
SUBTOTAL		129
TOTAL		6,899

CRUSHED AGGREGATE BASE COURSE (150 mm)

STATION-STATION	LOCATION	CRUSHED AGGREGATE BASE COURSE MAINLINE Mg	WATER kL
PROJ. 4994-00-78			
10+000-11+575	C.T.H. "A"	8,960	377
1+010-10+020	MacARTHUR LN.	44	2
2+008-2+040	SHADOW LN.	124	6
3+007-3+020	MILLER LN.	44	2
4+007-4+030	RIDGE LN.	75	3
5+007-5+030	KEENVILLE AVE.	91	4
6+007-6+020	DRIFTWOOD LN.	52	3
6+970-7+030	SNELL RD.	300	13
	P.E.'s	740	31
SUBTOTALS		10,430	441
PROJ. 4994-00-82	CATEGORY 0010		
11+575-13+410	C.T.H. "A"	10,205	429
8+008-8+040	PICKETT AVE.	139	6
8+965-9+025	BUTLER AVE.	201	9
9+062.5-10+037.5	C.T.H. "Y"	368	16
	P.E.'s	254	11
SUBTOTALS		11,167	471
PROJ. 4994-00-82	CATEGORY 0020		
19+932-20+000	C.T.H. "AA"	344	15
SUBTOTALS		344	15
TOTALS		21,941	927

CROSS DRAINS

STATION	LOCATION	DIAMETER 750 mm R.C.C.P. m	DIAMETER 1050 mm R.C.C.P. m	R.C.C.P. CLASS	ELEVATION INLET	ELEVATION OUTLET	ENDWALLS 750 mm R.C.C.P. EACH
PROJ. 4994-00-78							
10+380	C.T.H. "A"		88	III	227.200	227.100	
11+300	C.T.H. "A"	46		III	227.700	227.600	4
11+440	C.T.H. "A"	84		III	227.900	227.800	
TOTALS		130	88				4

ASPHALTIC CONCRETE PAVEMENT, TYPE "MV", ASPHALTIC MATERIAL FOR PLANT MIXES, AND TACK COAT

STATION-STATION	LOCATION	ASPHALTIC CONCRETE PAVEMENT TYPE "MV" Mg	ASPHALTIC MATERIAL FOR PLANT MIXES @ 5.6% Mg	ASPHALTIC MATERIAL FOR TACK COAT L
PROJ. 4994-00-78				
1+009.5-1+020	MacARTHUR LN.	9	1	9
2+010-2+040	SHADOW LN.	27	2	26
3+009.5-3+020	MILLER LN.	9	1	9
4+009.5-4+030	RIDGE LN.	16	1	16
5+009.5-5+030	KEENVILLE AVE.	20	1	19
6+009.5-6+020	DRIFTWOOD LN.	11	1	11
6+970-7+030	SNELL RD.	80	5	51
P.E.'s		111	7	107
SUBTOTALS		283	19	248
PROJ. 4994-00-82	CATEGORY 0010			
13+331-13+410	C.T.H. "A"	209	12	81
8+010-8+040	PICKETT AVE.	30	2	29
8+965-8+990	BUTLER AVE.	23	1	22
9+009.5-9+025	BUTLER AVE.	21	1	20
9+062.5-9+090	C.T.H. "Y"	50	3	32
10+010-10+37.5	C.T.H. "Y"	49	3	31
P.E.'s		43	2	41
SUBTOTALS		425	24	256
TOTALS		708	43	504

TOPSOIL, MULCHING, FERTILIZER, AND SEEDING

STATION-STATION	LOCATION	TOPSOIL m2	MULCH m2	FERTILIZER TYPE "B" kg	SEEDING NO 40 kg
PROJ. 4994-00-78					
10+00-11+575	C.T.H. "A"	15,331	15,331	537	154
1+00-1+020	MacARTHUR LN.	77	77	3	1
2+000-2+040	SHADOW LN.	161	161	6	2
3+000-3+020	MILLER LN.	55	55	2	1
4+000-4+030	RIDGE LN.	96	96	4	1
5+000-5+030	KEENVILLE AVE.	210	210	8	2
6+000-6+020	DRIFTWOOD LN.	91	91	3	1
6+970-7+030	SNELL RD.	576	576	20	6
SUBTOTALS		16,597	16,597	583	168
PROJ. 4994-00-82	CATEGORY 0010				
11+575-13+410	C.T.H. "A"	17,854	17,854	625	179
8+000-8+040	PICKETT AVE.	257	257	9	3
8+965-9+025	BUTLER AVE.	382	382	14	4
9+962.5-10+037.5	C.T.H. "Y"	432	432	15	5
SUBTOTALS		18,925	18,925	663	191
PROJ. 4994-00-82	CATEGORY 0020				
19+932-19+987	C.T.H. "AA" LT.	165	165	6	2
19+32-19+972	C.T.H. "AA" RT.	120	120	5	2
19+971-19+992	C.T.H. "AA" RT.	70	70	3	1
19+995-20+000	C.T.H. "AA" LT.	15	15	1	1
SUBTOTALS		370	370	15	6
TOTALS		35,892	35,892	1,261	365

PAVEMENT TIES

STATION	LOCATION	QUANTITY EACH	REMARKS
PROJ. 4994-00-78			
10+000	C.T.H. "A"	45	
10+436	C.T.H. "A" LT.	12	
11+253	C.T.H. "A" RT.	20	
SUBTOTAL		77	
PROJ. 4994-00-82	CATEGORY 0020		
19+932	C.T.H. "AA"	46	
19+994-20+000	C.T.H. "AA" RT.	18	ALONG NICOLET AVE.
20+000	C.T.H. "AA"	88	
SUBTOTAL		152	
TOTAL		229	

CONCRETE PAVEMENT, 200 mm

STATION-STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	20,790
1+006.5-1+009.5	MacARTHUR LN.	47
2+007-2+010	SHADOW LN.	58
3+006.5-3+009.5	MILLER LN.	44
4+006.5-4+009.5	RIDGE LN.	44
5+006.5-5+009.5	KEENVILLE AVE.	57
6+006.5-6+009.5	DRIFTWOOD LN.	57
6+990.5-6+993.5	SNELL RD.	81
7+006.5-7+009.5	SNELL RD.	81
SUBTOTAL		21,259
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+331	C.T.H. "A"	23,182
8+007-8+010	PICKETT AVE.	73
8+990-8+993	BUTLER AVE.	61
9+006.5-9+009.5	BUTLER AVE.	67
9+990-9+993	C.T.H. "Y"	86
10+007-10+010	C.T.H. "Y"	85
SUBTOTAL		23,554
PROJ. 4994-00-82	CATEGORY 0020	
19+932-20+000	C.T.H. "AA"	817
SUBTOTAL		817
TOTAL		45,630

PAVEMENT GAPS

STATION-STATION	LOCATION	QUANTITY EACH	REMARKS
PROJ. 4994-00-78			
10+370	C.T.H. "A"- RT.	1	MACARTHUR LANE
10+464	C.T.H. "A"- RT.	1	SHADOW LANE
10+658	C.T.H. "A"- LT.	1	
10+776	C.T.H. "A"- LT.	1	
10+934	C.T.H. "A"- LT.	1	
10+993	C.T.H. "A"- LT.	1	
11+575	C.T.H. "A"- LT./RT.	1	SNELL ROAD
SUBTOTAL		7	
PROJ. 4994-00-82	CATEGORY 0010		
12+331	C.T.H. "A"- LT	1	
13+300	C.T.H. "A"- LT./RT.	1	C.T.H. "Y"
SUBTOTAL		2	
TOTAL		9	

CONCRETE DRIVEWAYS, 150 mm

STATION-STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-78		
10+436	C.T.H. "A" LT.	28
11+253	C.T.H. "A" RT.	34
SUBTOTAL		62
PROJ. 4994-00-82	CATEGORY 0010	
9+021	BUTLER AVE. RT.	50
9+007-9+025	BUTLER AVE. RT.	70
9+012-9+025	BUTLER AVE. LT.	22
SUBTOTAL		142
TOTAL		204

CONCRETE MASONRY, ENDWALLS

STATION-STATION	LOCATION	QUANTITY m3
PROJ. 4994-00-78		
10+376	C.T.H. "A" LT.	4
10+387	C.T.H. "A" RT.	4
11+432	C.T.H. "A" RT.	2
11450	C.T.H. "A" LT.	2
TOTAL		12

STORM SEWER SUMMARY

LOCATION FROM	TO	DIAMETER 300 mm R.C.C.P. m	375 mm R.C.C.P. m	525 mm R.C.C.P. m	600 mm R.C.C.P. m	750 mm R.C.C.P. m	490x770 R.C.H.E. m	TYPE	ELEVATIONS INLET	DISCHARGE	REMARKS
PROJ. 4994-00-78											
1A	1				8			R.C.P., CLASS IV, S.S.	227.923	227.900	
2	1A				12			R.C.P., CLASS IV, S.S.	227.958	227.923	
2A	2	10						R.C.P., CLASS III, S.S.	228.253	227.960	
2B	2	9						R.C.P., CLASS III, S.S.	227.990	227.960	
2C	2B	5						R.C.P., CLASS III, S.S.	228.021	227.990	
3	2		89					R.C.P., CLASS III, S.S.	228.295	227.960	
3A	3	9						R.C.P., CLASS III, S.S.	228.326	228.295	
3B	3	6						R.C.P., CLASS III, S.S.	228.326	228.295	
4	3		75					R.C.P., CLASS III, S.S.	228.509	228.295	
4A	4	10						R.C.P., CLASS III, S.S.	228.539	228.509	
4B	4	7						R.C.P., CLASS III, S.S.	228.539	228.509	
6	5				9			R.C.P., CLASS IV, S.S.	227.137	227.137	
7	6				51			R.C.P., CLASS IV, S.S.	227.198	227.137	
7A	7	10						R.C.P., CLASS III, S.S.	227.289	227.259	
7B	7	8						R.C.P., CLASS III, S.S.	227.289	227.259	
8	7				40			R.C.P., CLASS IV, S.S.	227.244	227.198	
8A	8		13					R.C.P., CLASS III, S.S.	227.350	227.289	
8B	8A	15						R.C.P., CLASS III, S.S.	227.396	227.350	
8C	8	5						R.C.P., CLASS III, S.S.	227.305	227.289	
9	8				58			R.C.P., CLASS IV, S.S.	227.314	227.244	
9A	9	9						R.C.P., CLASS III, S.S.	227.408	227.381	
9B	9			5				R.C.P., CLASS IV, S.S.	227.396	227.381	
9C	9B			2				R.C.P., CLASS IV, S.S.	MATCH	227.396	
10	9				55			R.C.P., CLASS IV, S.S.	227.378	227.314	
10A	10	12						R.C.P., CLASS III, S.S.	227.478	227.442	
11	10						44	R.C.P., CLASS IV, S.S.	227.433	227.378	
11A	11	9						R.C.P., CLASS III, S.S.	227.509	227.472	
11B	11A	3						R.C.P., CLASS III, S.S.	227.497	227.472	
11C	11	9						R.C.P., CLASS III, S.S.	227.928	227.564	
11D	11C	13						R.C.P., CLASS III, S.S.	227.722	227.564	
11E	11C	10						R.C.P., CLASS III, S.S.	----	----	
12	11						44	R.C.P., CLASS IV, S.S.	227.484	227.433	
12A	12	9						R.C.P., CLASS III, S.S.	227.561	227.533	
12B	12	6						R.C.P., CLASS III, S.S.	227.576	227.533	
12C	12B	4						R.C.P., CLASS III, S.S.	227.548	227.533	
13	12						40	R.C.P., CLASS IV, S.S.	227.533	227.484	
13A	13	11						R.C.P., CLASS III, S.S.	227.628	227.594	
13B	13A	5						R.C.P., CLASS III, S.S.	227.740	227.686	
13C	13A	9						R.C.P., CLASS III, S.S.	227.728	227.686	
13D	13C	8						R.C.P., CLASS III, S.S.	227.887	227.807	
14	13				46			R.C.P., CLASS IV, S.S.	227.585	227.533	
14A	14	11						R.C.P., CLASS III, S.S.	227.658	227.625	
14B	14A	3						R.C.P., CLASS III, S.S.	227.731	227.716	
14C	14	17						R.C.P., CLASS III, S.S.	227.676	227.625	
14D	14C	5						R.C.P., CLASS III, S.S.	227.771	227.747	
14E	14D	14						R.C.P., CLASS III, S.S.	227.875	227.808	
15	14				60			R.C.P., CLASS IV, S.S.	227.658	227.585	
15A	15				9			R.C.P., CLASS IV, S.S.	227.744	227.716	
15C	15A					5		R.C.P., CLASS III, S.S.	MATCH	227.744	
15B	15	5						R.C.P., CLASS III, S.S.	227.731	227.716	
16	15				70			R.C.P., CLASS IV, S.S.	227.869	227.658	
16A	16		9					R.C.P., CLASS III, S.S.	227.975	227.929	
16B	16A		4					R.C.P., CLASS III, S.S.	228.073	228.051	
16C	16B	15						R.C.P., CLASS III, S.S.	228.216	228.143	
16D	16	6						R.C.P., CLASS III, S.S.	227.960	227.929	
17	16		79					R.C.P., CLASS III, S.S.	228.408	227.929	
17A	17	9						R.C.P., CLASS III, S.S.	228.524	228.478	
17B	17A	5						R.C.P., CLASS III, S.S.	228.621	228.600	
17C	17	5						R.C.P., CLASS III, S.S.	228.509	228.478	
20	19				54			R.C.P., CLASS IV, S.S.	227.533	227.442	
20A	20		9					R.C.P., CLASS III, S.S.	227.594	227.533	
20B	20		6					R.C.P., CLASS III, S.S.	227.564	227.533	
21	20				100			R.C.P., CLASS IV, S.S.	227.655	227.533	
21A	21	9						R.C.P., CLASS III, S.S.	227.716	227.655	
21B	21	6						R.C.P., CLASS III, S.S.	227.687	227.655	
22B	22A	14						R.C.P., CLASS III, S.S.	228.465	227.765	
22A	22	3						R.C.P., CLASS III, S.S.	227.765	227.750	
25	24				60			R.C.P., CLASS III, S.S.	228.051	227.869	
25A	25	9						R.C.P., CLASS III, S.S.	228.112	228.051	
25B	25	6						R.C.P., CLASS III, S.S.	228.082	228.051	
SUBTOTALS		353	284	7	632	5	128				

REVISED SHEET

REVISED 4/7/00

STORM SEWER SUMMARY

LOCATION FROM	TO	300 mm (RCCP) m	375 mm (RCCP) m	450 mm (RCCP) m	525mm (RCCP) m	600 mm (RCCP) m	750 mm (RCCP) m	490 X 770 mm (RCHE) m	TYPE	ELEVATIONS INLET	DISCHARGE
PROJECT 4994-00-78											
1A	1					8			RCCP, CLASS IV,	227.600	227.600
2	1A					12			RCCP, CLASS IV,	227.881	227.600
2A	2	10							RCCP, CLASS III,	227.926	227.881
2B	2	9							RCCP, CLASS III,	227.921	227.881
2C	2B	5							RCCP, CLASS III,	227.931	227.921
3	2		89						RCCP, CLASS III,	228.145	227.881
3A	3	9							RCCP, CLASS III,	228.185	228.145
3B	3	6							RCCP, CLASS III,	228.185	228.145
4	3		75						RCCP, CLASS III,	258.520	228.145
4A	4	10							RCCP, CLASS III,	228.565	228.520
4B	4	7							RCCP, CLASS III,	228.565	228.520
6	5					9			RCCP, CLASS IV,	227.205	227.205
7	6					51			RCCP, CLASS IV,	227.266	227.205
7A	7	10							RCCP, CLASS III,	227.310	227.266
7B	7	8							RCCP, CLASS III,	227.310	227.266
8	7					40			RCCP, CLASS IV,	227.315	227.266
8A	8		13						RCCP, CLASS III,	227.340	227.315
8B	8A	15							RCCP, CLASS III,	227.410	227.340
8C	8	5							RCCP, CLASS III,	227.340	227.315
9	8					58			RCCP, CLASS IV,	227.385	227.315
9A	9	9							RCCP, CLASS III,	227.430	227.385
9B	9				5				RCCP, CLASS IV,	227.430	227.385
9C	9B				2				RCCP, CLASS IV,	MATCH	227.430
10	9					55			RCCP, CLASS IV,	227.450	227.385
10A	10	12							RCCP, CLASS III,	227.490	227.450
11	10							44	RCCP, CLASS IV,	227.503	227.450
11A	11	9							RCCP, CLASS III,	227.550	227.503
11B	11A	3							RCCP, CLASS III,	227.570	227.550
11C	11	9							RCCP, CLASS III,	227.530	227.503
11D	11C	13							RCCP, CLASS III,	227.570	227.530
11E	11C	10							RCCP, CLASS III,	227.580	227.530
12	11							44	RCCP, CLASS IV,	227.556	227.503
12A	12	9							RCCP, CLASS III,	227.600	227.556
12B	12	6							RCCP, CLASS III,	227.580	227.556
12C	12B	4							RCCP, CLASS III,	227.600	227.580
13	12							40	RCCP, CLASS IV,	227.604	227.556
13A	13	11							RCCP, CLASS III,	227.660	227.604
13B	13A	5							RCCP, CLASS III,	227.680	227.660
13C	13A	9							RCCP, CLASS III,	227.700	227.660
13D	13C	8							RCCP, CLASS III,	227.740	227.700
14	13					46			RCCP, CLASS IV,	227.739	227.604
14A	14	11							RCCP, CLASS III,	227.790	227.739
14B	14A	3							RCCP, CLASS III,	227.800	227.790
14C	14	17							RCCP, CLASS III,	227.790	227.739
14D	14C	5							RCCP, CLASS III,	227.810	227.790
14E	14D	14							RCCP, CLASS III,	227.850	227.810
15	14					60			RCCP, CLASS IV,	227.919	227.739
15A	15					9			RCCP, CLASS IV,	227.950	227.919
15C	15A						5		RCCP, CLASS III,	MATCH	227.950
15B	15	5							RCCP, CLASS III,	227.950	227.919
16	15					70			RCCP, CLASS IV,	228.269	227.919
16A	16		9						RCCP, CLASS III,	228.300	228.269
16B	16A		4						RCCP, CLASS III,	228.320	228.300
16C	16B	15							RCCP, CLASS III,	228.370	228.320
16D	16	6							RCCP, CLASS III,	228.300	228.269
17	16		79						RCCP, CLASS III,	228.669	228.269
17A	17	9							RCCP, CLASS III,	228.700	228.669
17B	17A	5							RCCP, CLASS III,	228.720	228.700
17C	17	5							RCCP, CLASS III,	228.700	228.669
19	18					9			RCCP, CLASS IV,	227.442	227.381
20	19					50			RCCP, CLASS IV,	227.533	227.442
20A	20		9						RCCP, CLASS III,	227.594	227.533
20B	20		6						RCCP, CLASS III,	227.564	227.533
21	20					100			RCCP, CLASS IV,	227.655	227.533
21A	21	9							RCCP, CLASS III,	227.716	227.655
21B	21	6							RCCP, CLASS III,	227.687	227.655
22B	22A	14							RCCP, CLASS III,	228.200	228.170
22A	22	3							RCCP, CLASS III,	228.170	228.150
24	23					10			RCCP, CLASS III,	227.869	227.810
25	24					56			RCCP, CLASS III,	228.051	227.869
25A	25	9							RCCP, CLASS III,	228.112	228.051
25B	25	6							RCCP, CLASS III,	228.082	228.051
SUBTOTALS		353	284		7	643	5	128			

MANHOLE COVERS TYPE J

PROJECT NO.	QUANTITY EACH
4994-00-78	20
4994-00-82 CATEGORY 0010	23
TOTAL	43

INLET COVERS

PROJECT NO.	TYPE H QUANTITY EACH	TYPE H-S QUANTITY EACH	TYPE C QUANTITY EACH	TYPE D QUANTITY EACH
4994-00-78	30	6	13	0
4994-00-82 CATEGORY 0010	35	7	6	1
TOTAL	65	13	19	1

MODIFIED INLETS

PROJECT NO.	QUANTITY TYPE 1 EACH	QUANTITY TYPE 3 EACH
4994-00-78	9	12
4994-00-82 CATEGORY 0010	3	1
TOTAL	12	13

MANHOLES

PROJECT NO.	TYPE 1 QUANTITY EACH	TYPE 3 QUANTITY EACH
4994-00-78	15	6
4994-00-82 CATEGORY 0010	22	2
TOTAL	37	8

INLETS

PROJECT NO.	TYPE 1 QUANTITY EACH	TYPE 3 QUANTITY EACH
4994-00-78	4	23
4994-00-82 CATEGORY 0010	8	37
TOTAL	12	60

REINFORCED CONCRETE ENDWALLS

PROJECT NO.	300 mm QUANTITY EACH	600 mm QUANTITY EACH
4994-00-78	2	4
4994-00-82 CATEGORY 0010	1	-
TOTAL	3	4

STORM SEWER SUMMARY

	CLASS III 300 mm R.C.C.P. m	CLASS III 375 mm R.C.C.P. m	CLASS III 450 mm R.C.C.P. m (DIAMETER)	CLASS IV 525 mm R.C.C.P. m	CLASS III 600 mm R.C.C.P. m	CLASS IV 600 mm R.C.C.P. m	CLASS III 750 mm R.C.C.P. m	CLASS IV 490x770 R.C.H.E. m
PROJ. 4994-00-78 SUBTOTALS	353	284	0	7	66	577	5	128
PROJ. 4994-00-82 CATEGORY 0010 SUBTOTALS	477	69	6	0	1,794	0	0	0
TOTALS	830	353	6	7	1,860	577	5	128

ORIGINATOR: DJD DATE: 7/1/99
PROJECT NO. 440278.00 FILE NAME:
REVISED BY: PLOT NAME:
DATE REVISED: SCALE:

MISCELLANEOUS QUANTITIES	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78, 4994-00-82	SHEET NO: 3D	M

WISDOT: MSHT42

REVISED SHEET

REVISED 4/7/00

STORM SEWER SUMMARY

LOCATION FROM	TO	300 mm (RCCP) m	375 mm (RCCP) m	450 mm (RCCP) m	525mm (RCCP) m	600 mm (RCCP) m	750 mm (RCCP) m	490 X 770 mm (RCHE) m	TYPE	ELEVATIONS INLET	DISCHARGE	REMARKS
PROJECT 4994-00-78												
26	25					85			RCCP, CLASS III,	228.356	228.051	
26A	26	12							RCCP, CLASS III,	228.417	228.356	
26B	26	18							RCCP, CLASS III,	228.417	228.356	
26C	26B	5							RCCP, CLASS III,	228.448	228.417	
26D	26B	14							RCCP, CLASS III,	228.478	228.417	
27	26					78			RCCP, CLASS III,	229.057	228.356	
27A	27	9							RCCP, CLASS III,	230.~~276~~.20	229.057	
27B	27	6							RCCP, CLASS III,	230.276	229.057	
28	27					79			RCCP, CLASS III,	230.124	229.057	
28A	28	9							RCCP, CLASS III,	230.73~~4~~8	230.124	
28B	28	6							RCCP, CLASS III,	230.734	230.124	
29	28					~~92~~ 124			RCCP, CLASS III,	231.~~038~~174	230.124	
29A	29	9							RCCP, CLASS III,	231.~~404~~54	231.~~038~~ .174	
29B	29	6							RCCP, CLASS III,	231.~~404~~54	231.~~038~~ .174	
30	29					~~90~~ 56			RCCP, CLASS III,	231.648	231.~~038~~ 174	
30A	30	9							RCCP, CLASS III,	232.258	231.648	
30B	30	6							RCCP, CLASS III,	232.258	231.648	
31	30					100			RCCP, CLASS III,	232.258	231.648	
31A	31	9							RCCP, CLASS III,	232.867	232.258	
31B	31	6							RCCP, CLASS III,	232.562	232.258	
32	31					72			RCCP, CLASS III,	232.562	232.258	
33	32					70			RCCP, CLASS III,	232.867	232.562	
33A	33	9							RCCP, CLASS III,	233.020	232.867	
33B	33	6							RCCP, CLASS III,	233.020	232.867	
34	33					56			RCCP, CLASS III,	233.172	232.867	
34A	34	9							RCCP, CLASS III,	233.020	233.172	
34B	34	6							RCCP, CLASS III,	233.233	233.172	
35	34					75			RCCP, CLASS III,	233.629	233.172	
35A	35	14							RCCP, CLASS III,	233.782	233.629	
35B	35	12							RCCP, CLASS III,	233.782	233.629	
35C	35	21							RCCP, CLASS III,	233.782	233.629	
35D	35C	9							RCCP, CLASS III,	233.843	233.782	
36C	36D			3		3			RCCP, CLASS III,	232.800	232.787	
36	36C					6			RCCP, CLASS III,	232.837	232.800	
36A	36					10			RCCP, CLASS III,	232.867	232.837	
36B	36A			3		3			RCCP, CLASS III,	232.898	232.867	
37	36					81			RCCP, CLASS III,	233.050	232.837	
38	37					100			RCCP, CLASS III,	233.294	233.050	
38A	38	9							RCCP, CLASS III,	233.354	233.294	
38B	38	6							RCCP, CLASS III,	233.324	233.294	
39	38					66			RCCP, CLASS III,	233.446	233.294	
40	39					64			RCCP, CLASS III,	233.599	233.446	
40A	40	12							RCCP, CLASS III,	233.660	233.599	
40B	40A	12							RCCP, CLASS III,	233.680	233.660	
40C	40A	16							RCCP, CLASS III,	233.721	233.660	
40D	40C	5							RCCP, CLASS III,	234.485	233.721	
40E	40	6							RCCP, CLASS III,	233.629	233.599	
41	36					100			RCCP, CLASS III,	233.081	232.837	
41A	41	9							RCCP, CLASS III,	233.111	233.081	
41B	41	6							RCCP, CLASS III,	233.111	233.081	
42	41					100			RCCP, CLASS III,	233.385	233.081	
42A	42	9							RCCP, CLASS III,	233.416	233.385	
42B	42	6							RCCP, CLASS III,	233.416	233.385	
43	42					100			RCCP, CLASS III,	233.934	233.385	
43A	43	9							RCCP, CLASS III,	234.500	233.934	
43B	43	6							RCCP, CLASS III,	234.500	233.934	
44	43					80			RCCP, CLASS III,	235.134	233.934	
44A	44	9							RCCP, CLASS III,	236.200	235.134	
44B	44	6							RCCP, CLASS III,	236.200	235.134	
45	44					100			RCCP, CLASS III,	236.634	235.134	
45A	45	9							RCCP, CLASS III,	237.200	236.634	
45B	45	6							RCCP, CLASS III,	237.200	236.634	
45C	45B	3							RCCP, CLASS III,	237.500	237.200	
46	45					95			RCCP, CLASS III,	237.110	236.634	
46B	46	13							RCCP, CLASS III,	237.180	237.110	
46C	46B	22							RCCP, CLASS III,	237.290	237.180	
46D	46C	12							RCCP, CLASS III,	237.350	237.290	
46E	46		24						RCCP, CLASS III,	237.200	237.110	
46F	46E	25							RCCP, CLASS III,	237.300	237.200	
47	46					90			RCCP, CLASS III,	237.218	237.110	
47A	47	7							RCCP, CLASS III,	237.300	237.218	
48	47		45						RCCP, CLASS III,	237.353	237.218	
48A	48	12							RCCP, CLASS III,	237.380	237.218	
48B	48	30							RCCP, CLASS III,	237.380	237.353	
48C	48B	2							RCCP, CLASS III,	237.400	237.380	
SUBTOTALS		477	69	6		1794						
TOTALS		830	353	6	7	2437	5	128				

MISCELLANEOUS QUANTITIES | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-78, 4994-00-82 | SHEET NO: 3.E

WisDOT: MSHT42

STORM SEWER SUMMARY

LOCATION FROM	LOCATION TO	DIAMETER CLASS III 300 mm R.C.C.P. m	DIAMETER CLASS III 450 mm R.C.C.P. m	DIAMETER CLASS III 600 mm R.C.C.P. m	TYPE	ELEVATIONS INLET	ELEVATIONS DISCHARGE	REMARKS
PROJ. 4994-00-82		CATEGORY 0010						
26	25			85	R.C.P., CLASS III, S.S.	228.356	228.051	
26A	26	12			R.C.P., CLASS III, S.S.	228.417	228.356	
26B	26	18			R.C.P., CLASS III, S.S.	228.417	228.356	
26C	26B	5			R.C.P., CLASS III, S.S.	228.448	228.417	
26D	26B	14			R.C.P., CLASS III, S.S.	228.478	228.417	
27	26			78	R.C.P., CLASS III, S.S.	229.057	228.356	
27A	27	9			R.C.P., CLASS III, S.S.	230.276	229.057	
27B	27	6			R.C.P., CLASS III, S.S.	230.276	229.057	
28	27			79	R.C.P., CLASS III, S.S.	230.124	229.057	
28A	28	9			R.C.P., CLASS III, S.S.	230.734	230.124	
28B	28	6			R.C.P., CLASS III, S.S.	230.734	230.124	
29	28			82	R.C.P., CLASS III, S.S.	231.038	230.124	
29A	29	9			R.C.P., CLASS III, S.S.	231.404	231.038	
29B	29	6			R.C.P., CLASS III, S.S.	231.404	231.038	
30	29			99	R.C.P., CLASS III, S.S.	231.648	231.038	
30A	30	9			R.C.P., CLASS III, S.S.	232.258	231.648	
30B	30	6			R.C.P., CLASS III, S.S.	232.258	231.648	
31	30			100	R.C.P., CLASS III, S.S.	232.258	231.648	
31A	31	9			R.C.P., CLASS III, S.S.	232.867	232.258	
31B	31	6			R.C.P., CLASS III, S.S.	232.562	232.258	
32	31			72	R.C.P., CLASS III, S.S.	232.562	232.258	
33	32			70	R.C.P., CLASS III, S.S.	232.867	232.562	
33A	33	9			R.C.P., CLASS III, S.S.	233.020	262.867	
33B	33	6			R.C.P., CLASS III, S.S.	233.020	232.867	
34	33			56	R.C.P., CLASS III, S.S.	233.172	232.867	
34A	34	9			R.C.P., CLASS III, S.S.	233.020	233.172	
34B	34	6			R.C.P., CLASS III, S.S.	233.233	233.172	
35	34			75	R.C.P., CLASS III, S.S.	233.629	233.172	
35A	35	14			R.C.P., CLASS III, S.S.	233.782	233.629	
35B	35	12			R.C.P., CLASS III, S.S.	233.782	233.629	
35C	35	21			R.C.P., CLASS III, S.S.	233.782	233.629	
35D	35C	9			R.C.P., CLASS III, S.S.	233.843	233.782	
36C	36D		3	3	R.C.P., CLASS III, S.S.	232.800	232.787	
36	36C			6	R.C.P., CLASS III, S.S.	232.837	232.800	
36A	36			10	R.C.P., CLASS III, S.S.	232.867	232.837	
36B	36A		3	3	R.C.P., CLASS III, S.S.	232.898	232.867	
37	36			81	R.C.P., CLASS III, S.S.	233.050	232.837	
38	37			100	R.C.P., CLASS III, S.S.	233.294	233.050	
38A	38	9			R.C.P., CLASS III, S.S.	233.354	233.294	
38B	38	6			R.C.P., CLASS III, S.S.	233.324	233.294	
39	38			66	R.C.P., CLASS III, S.S.	233.446	233.294	
40	39			64	R.C.P., CLASS III, S.S.	233.599	233.446	
40A	40	12			R.C.P., CLASS III, S.S.	233.660	233.599	
40B	40A	12			R.C.P., CLASS III, S.S.	234.600	233.660	
40C	40A	16			R.C.P., CLASS III, S.S.	233.721	233.660	
40D	40C	5			R.C.P., CLASS III, S.S.	234.485	233.721	
40E	40	6			R.C.P., CLASS III, S.S.	233.629	233.599	
41	36			100	R.C.P., CLASS III, S.S.	233.081	232.837	
41A	41	9			R.C.P., CLASS III, S.S.	233.111	233.081	
41B	41	6			R.C.P., CLASS III, S.S.	233.111	233.081	
42	41			100	R.C.P., CLASS III, S.S.	233.385	233.081	
42A	42	9			R.C.P., CLASS III, S.S.	233.416	233.385	
42B	42	6			R.C.P., CLASS III, S.S.	233.416	233.385	
43	42			100	R.C.P., CLASS III, S.S.	233.934	233.385	
43A	43	9			R.C.P., CLASS III, S.S.	233.965	233.934	
43B	43	6			R.C.P., CLASS III, S.S.	233.965	233.934	
44	43			80	R.C.P., CLASS III, S.S.	235.134	233.934	
44A	44	9			R.C.P., CLASS III, S.S.	236.200	235.134	
44B	44	6			R.C.P., CLASS III, S.S.	236.200	235.134	
45	44			100	R.C.P., CLASS III, S.S.	236.634	235.134	
45A	45	9			R.C.P., CLASS III, S.S.	237.200	236.634	
45B	45	6			R.C.P., CLASS III, S.S.	237.200	236.634	
45C	45B	3			R.C.P., CLASS III, S.S.	237.500	237.200	
46	45			95	R.C.P., CLASS III, S.S.	237.110	236.634	
46A	46	16			R.C.P., CLASS III, S.S.	237.180	237.110	
46B	46	13			R.C.P., CLASS III, S.S.	237.180	237.110	
46C	46B	22			R.C.P., CLASS III, S.S.	237.290	237.180	
46D	46C	12			R.C.P., CLASS III, S.S.	237.350	237.290	
47	46			35	R.C.P., CLASS III, S.S.	237.285	237.110	
47A	47	9			R.C.P., CLASS III, S.S.	237.330	237.285	
47B	47A	1			R.C.P., CLASS III, S.S.	238.750	237.330	
47C	47	6			R.C.P., CLASS III, S.S.	237.330	237.285	
47D	47C	1			R.C.P., CLASS III, S.S.	238.550	237.330	
TOTALS		434	6	1,739				

MANHOLE COVERS TYPE J

PROJECT NO.	QUANTITY EACH
4994-00-78	18
4994-00-82 CATEGORY 0010	22
TOTAL	40

INLET COVERS

PROJECT NO.	TYPE H QUANTITY EACH	TYPE H-S QUANTITY EACH	TYPE C QUANTITY EACH	TYPE D QUANTITY EACH
4994-00-78	31	6	14	0
4994-00-82 CATEGORY 0010	31	9	6	1
TOTAL	62	15	20	1

MODIFIED INLETS

PROJECT NO.	QUANTITY TYPE 1 EACH	QUANTITY TYPE 3 EACH
4994-00-78	9	12
4994-00-82 CATEGORY 0010	1	1
TOTAL	10	13

MANHOLES

PROJECT NO.	TYPE 1 QUANTITY EACH	TYPE 3 QUANTITY EACH
4994-00-78	12	6
4994-00-82 CATEGORY 0010	23	1
TOTAL	35	7

INLETS

PROJECT NO.	TYPE 1 QUANTITY EACH	TYPE 3 QUANTITY EACH
4994-00-78	14	36
4994-00-82 CATEGORY 0010	7	38
TOTAL	21	74

REINFORCED CONCRETE ENDWALLS

PROJECT NO.	300 mm QUANTITY EACH	600 mm QUANTITY EACH
4994-00-78	1	4
4994-00-82 CATEGORY 0010	1	-
TOTAL	2	4

STORM SEWER SUMMARY

	CLASS III 300 mm R.C.C.P. m	CLASS III 375 mm R.C.C.P. m	CLASS III 450 mm R.C.C.P. m	CLASS IV 525 mm R.C.C.P. m	CLASS III 600 mm R.C.C.P. m	CLASS IV 600 mm R.C.C.P. m	CLASS III 750 mm R.C.C.P. m	CLASS IV 490x770 R.C.H.E. m
	DIAMETER							
PROJ. 4994-00-78								
SUBTOTALS	353	284	0	7	60	572	5	128
PROJ. 4994-00-82	CATEGORY 0010							
SUBTOTALS	434	0	6	0	1,739	0	0	0
TOTALS	787	284	6	7	1,799	572	5	128

MISCELLANEOUS QUANTITIES | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-78, 4994-00-82 | SHEET NO: 3E

MANHOLES, INLETS, AND COVERS

STRUCTURE NUMBER	STATION	LOCATION	STRUCTURE	DISTANCE LT/RT		TYPE	COVER	GRATE LT/RT	ELEVATIONS PAVEMENT	FLOWLINE	DEPTH	REMARKS
1	10+383	CTH A	ENDWALL	12.5	RT	---	---	---	---	227.600	---	ENDWALL, 600mm
1A	10+377	CTH A	INLET	9.2	RT	3	H	LT	228.932	227.600	0.877	
2	10+369	CTH A	MANHOLE	1.5	RT	1	J	---	229.206	227.881	0.794	
2A	10+364	CTH A	INLET	7.0	LT	3	H	RT	229.125	227.926	0.744	
2B	10+364	CTH A	INLET	9.2	RT	3	H	LT	228.969	227.921	0.593	Modified Inlet
2C	10+362	CTH A	INLET	12.6	RT	1	C	---	228.600	227.931	0.138	Modified Inlet
3	10+280	CTH A	MANHOLE	1.5	RT	1	J	---	229.676	228.145	1.000	
3A	10+280	CTH A	INLET	7.0	LT	3	H	RT	229.574	228.185	0.934	
3B	10+280	CTH A	INLET	7.0	RT	3	H	LT	229.574	228.185	0.934	
4	10+205	CTH A	MANHOLE	1.5	RT	1	J	---	230.287	228.520	1.236	
4A	10+200	CTH A	INLET	7.0	LT	3	H	RT	230.221	228.565	1.201	
4B	10+200	CTH A	INLET	7.0	RT	3	H	LT	230.221	228.565	1.201	
5	10+397	CTH A	ENDWALL	10.0	RT	---	---	---	---	227.205	---	ENDWALL, 600mm
6	10+400	CTH A	MANHOLE	1.5	RT	1	J	---	229.038	227.205	1.302	
7	10+451	CTH A	MANHOLE	1.5	RT	3	J	---	228.770	227.266	0.973	
7A	10+451	CTH A	INLET	7.0	LT	3	H	RT	228.668	227.310	0.903	
7B	10+457	CTH A	INLET	7.0	RT	3	H	LT	228.639	227.310	0.874	
8	10+491	CTH A	MANHOLE	1.5	RT	3	J	---	228.643	227.315	0.797	
8A	10+500	CTH A	INLET	7.0	LT	3	H-S	RT	228.488	227.340	0.693	Modified Inlet
8B	10+514	CTH A	INLET	9.5	LT	1	C	---	228.550	227.410	0.609	Modified Inlet
8C	10+491	CTH A	INLET	7.0	RT	3	H	RT	228.458	227.340	0.663	Modified Inlet
9	10+548	CTH A	MANHOLE	1.5	RT	3	J	---	228.734	227.385	0.818	
9A	10+548	CTH A	INLET	7.0	LT	3	H	LT	228.632	227.430	0.747	
9B	10+548	CTH A	INLET	7.0	RT	3	H	RT	228.632	227.430	0.747	
9C	10+548	CTH A	CONNECT TO EXI	8.5	RT	---	---	---	---	MATCH	---	CONNECT TO EXISTING, 525mm
10	10+602	CTH A	MANHOLE	1.5	RT	1	J	---	228.823	227.450	0.842	
10A	10+602	CTH A	INLET	9.8	LT	1	C	---	228.500	227.490	0.479	Modified Inlet
11	10+646	CTH A	MANHOLE	1.5	RT	3	J	---	228.725	227.503	0.691	
11A	10+649	CTH A	INLET	7.0	LT	3	H-S	RT	228.566	227.550	0.561	Modified Inlet
11B	10+649	CTH A	INLET	9.8	LT	1	C	---	228.800	227.570	0.699	
11C	10+650	CTH A	INLET	9.2	RT	3	H	RT	228.560	227.530	0.575	Modified Inlet
11D	10+638	CTH A	INLET	9.2	RT	3	H	LT	228.608	227.570	0.583	Modified Inlet
11E	10+648	CTH A	INLET	19.3	RT	1	C	---	228.650	227.580	0.539	Modified Inlet
12	10+690	CTH A	MANHOLE	1.5	RT	1	J	---	228.797	227.556	0.710	
12A	10+690	CTH A	INLET	7.0	LT	3	H	LT	228.695	227.600	0.640	Modified Inlet
12B	10+690	CTH A	INLET	7.0	RT	3	H	RT	228.695	227.580	0.660	Modified Inlet
12C	10+687	CTH A	INLET	9.3	RT	1	C	---	228.570	227.600	0.439	Modified Inlet
13	10+729	CTH A	MANHOLE	1.5	RT	1	J	---	228.997	227.604	0.862	
13A	10+731	CTH A	INLET	12.4	RT	3	H	RT	228.842	227.660	0.727	
13B	10+731	CTH A	INLET	17.4	RT	1	C	---	228.800	227.680	0.589	Modified Inlet
13C	10+723	CTH A	INLET	12.2	RT	3	H	RT	228.842	227.700	0.687	Modified Inlet
13D	10+723	CTH A	INLET	19.7	RT	1	C	---	228.800	227.740	0.529	Modified Inlet
14	10+775	CTH A	MANHOLE	1.5	RT	3	J	---	229.294	227.739	1.024	
14A	10+768	CTH A	INLET	7.0	LT	3	H	LT	229.159	227.790	0.914	
14B	10+767	CTH A	INLET	9.6	LT	1	C	---	228.800	227.800	0.469	Modified Inlet
14C	10+782	CTH A	INLET	17.4	LT	3	H	RT	229.090	227.790	0.845	
14D	10+784	CTH A	INLET	21.8	RT	1	C	---	228.950	227.810	0.609	Modified Inlet
14E	10+771	CTH A	INLET	21.8	RT	1	C	---	229.210	227.850	0.829	
15	10+835	CTH A	MANHOLE	1.5	RT	3	J	---	229.479	227.919	1.029	
15A	10+835	CTH A	INLET	7.0	LT	3	H	LT	229.377	227.950	0.972	
15B	10+835	CTH A	INLET	7.0	RT	3	H	RT	229.377	227.950	0.972	
15C	10+835	CTH A	CONNECT TO EXI	11.5	LT	---	---	---	229.600	MATCH	---	CONNECT TO EXISTING, 750mm
16	10+905	CTH A	MANHOLE	1.5	RT	1	J	---	229.807	228.269	1.007	
16A	10+905	CTH A	INLET	7.0	LT	3	H	LT	229.705	228.300	0.950	
16B	10+905	CTH A	INLET	11.3	LT	1	C	---	229.500	228.320	0.649	
16C	10+890	CTH A	INLET	11.3	LT	1	C	---	229.450	228.370	0.549	Modified Inlet
16D	10+902	CTH A	INLET	7.0	RT	3	H	RT	229.690	228.300	0.935	
17	10+983	CTH A	MANHOLE	1.5	RT	1	J	---	230.180	228.669	0.980	
17A	10+983	CTH A	INLET	7.0	LT	3	H	LT	230.072	228.700	0.917	
17B	10+983	CTH A	INLET	11.7	LT	1	C	---	230.150	228.720	0.899	
17C	10+983	CTH A	INLET	7.0	RT	3	H	RT	230.072	228.700	0.917	
19	11+294	CTH A	ENDWALL	11.0	RT	---	---	---	---	227.381	---	ENDWALL, 600mm
20	11+240	CTH A	MANHOLE	1.5	RT	1	J	---	228.870	227.533	0.806	
20A	11+240	CTH A	INLET	7.0	LT	3	H-S	RT	228.743	227.594	0.694	Modified Inlet
20B	11+240	CTH A	INLET	7.0	RT	3	H-S	LT	228.743	227.564	0.724	
21	11+140	CTH A	MANHOLE	1.5	RT	1	J	---	229.593	227.655	1.407	
21A	11+140	CTH A	INLET	7.0	LT	3	H	RT	229.491	227.716	1.320	
21B	11+140	CTH A	INLET	7.0	RT	3	H	LT	229.491	227.687	1.349	
22	11+400	CTH A	ENDWALL	9.7	RT	---	---	---	---	228.150	---	ENDWALL, 300mm
22A	11+400	CTH A	INLET	7.0	LT	3	H-S	RT	229.154	228.170	0.529	Modified Inlet
22B	11+400	CTH A	INLET	7.0	RT	3	H-S	LT	229.154	228.200	0.499	Modified Inlet
24	11+440	CTH A	ENDWALL	11.0	RT	---	---	---	---	227.810	---	ENDWALL, 600mm
25	11+500	CTH A	MANHOLE	1.5	RT	1	J	---	229.786	228.051	1.204	
25A	11+500	CTH A	INLET	7.0	LT	3	H	LT	229.681	228.112	1.114	
25B	11+500	CTH A	INLET	7.0	RT	3	H	RT	229.681	228.082	1.144	

STORM SEWER CHANGES

① Str. 2C was originally planned to be a modified inlet. The revised sheet from 5/16/00 changed 2C to an endwall. The flowline was not changed. The correct endwall flowline was changed to 228.550.

② Joint ties added on endwalls per Contract Modification. Endwall no.: ①, ⑤, ⑲, ㉔ and the cross drains at STA. 11+300 LT. + RT.

③ MH ⑲ did not appear on the plan/profile sheets. Endwall ⑱ was not shown on the plan/profile sheets. The endwall offset from ℄ of 9.3 M RT. had to be moved to 11 M RT. for sloping.
The plan grade for the endwall of 227.381 was 0.369 M below the ditch @ STA. 11+300 RT. The endwall grade and pipe slope from MH 20 had to be changed.

④ Inlet 4B flowline changed to 228.887 to clear force main conflict.

⑤ Inlet 14E grate flowline lowered to 229.150 to match existing ditch grade.

⑥ Inlet 11E flowline raised to 227.64. Also pipe run from 11E to 11C was changed to 250 MM PVC due to a conflict with a gas main.

(7) Inlet 11D was moved S.W. along the radius to avoid a gas main conflict.

(8) Concrete collars were poured around the connection from (9C) to the existing 525 mm Storm sewer, and at the connection of the new 525 mm Storm to inlet (9B). The new 525 mm Storm was laid at approx. 35°/. thus collars were required.

(9) Manholes (7) + (8) moved approx. 1 m towards ℄ due to utility conflicts. (Forcemain + Forcemain manholes).

(10) Inlet (21B) Flowline raised by 0.61 m to clear watermain

(11) Inlets (41B) + (42B) Structure depths and flowline grades had to be modified to clear sanitary sewer.

(12) Inlet (8B) casting flowline was lowered by 0.218 m to match the existing swale.

(13) Inlet (10A) top of casting (flowline) was lowered 0.11 m to match swale

(14) Inlet (36C) installed per plan then Sanitary sewer was located directly below the inlet. The inlet could not be placed directly on the PVC sewer main. The inlet was removed.

(15) Manhole (46) had to be moved 3M North due to conflict with the 300MM run from (46) to (46B). A gas main crossed C.T.H. "A" R/W in the S.E. corner of "Y" + "A"

(16) Inlet (45C) was eliminated, Not needed.

(17) Inlet (43A) was lowered to 234.000 to avoid a conflict with the Sanitary Sewer. FE lowered by 0.50 M.

(18) Inlet flowlines for (46B), (46C) and (46D) were raised due to conflicts with Ameritech's buried facilities. Each Inlet was raised approx. 0.26 M.

(19) Inlet 46F was moved South along the radius due to a conflict with the Sprint F.O. package crossing C.T.H. "Y".

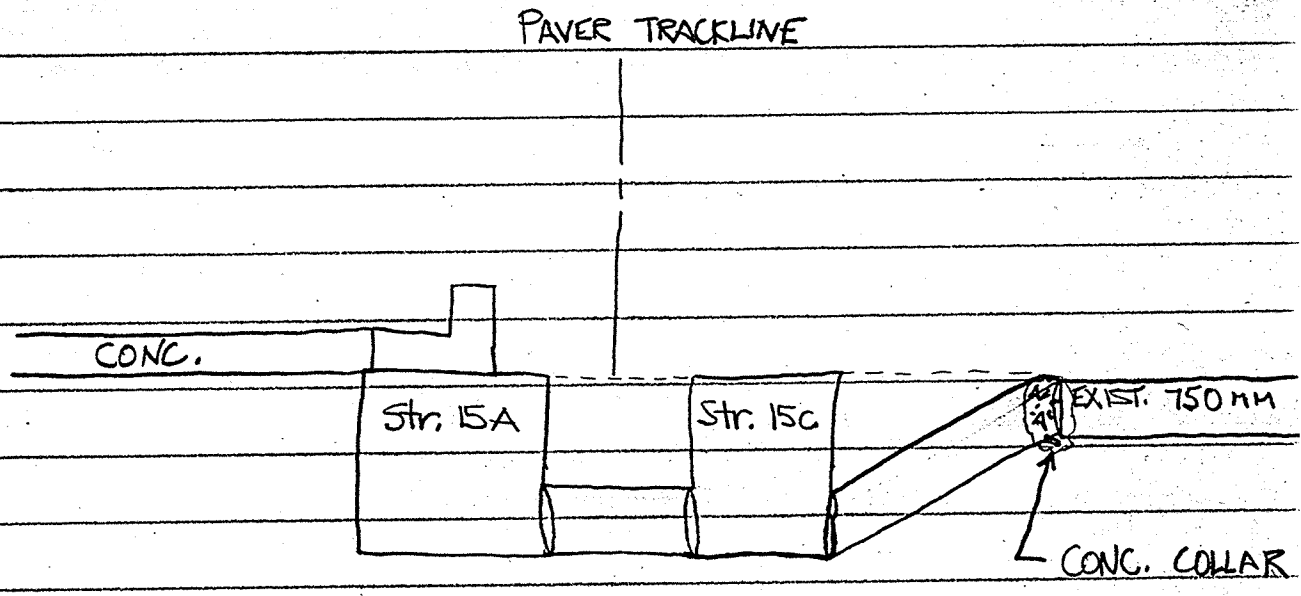
(20) Str. (36A) was changed from a type 3 inlet to a type 1 Manhole. 600 MM RCP storm through a type 3 inlet was not possible.

(21) Manholes (10), (12) and (13) were planned to be type 1 structures. The 490MM x 770 MM storm sewer will not fit in a type 1 Manhole. (10), (12) and (13) were changed to type 3 Manholes.

(22) MH 36B and 36D covers were changed to type C. Existing covers could not be salvaged due to poor condition.

(23) Inlets 46E, 46F and 47A were changed to Type 3 inlets. The planned type 1 inlets cannot accomodate the planned H or H-S inlet covers.

MH 15c was added to provide clearance for the slipform paver. See below.



REVISED SHEET

REVISED ~~4/7/00~~ 5/16/00

MANHOLES, INLETS, AND COVERS

STRUCTURE NUMBER	STATION	LOCATION	STRUCTURE	DISTANCE LT/RT		TYPE	COVER	GRATE LT/RT	ELEVATIONS PAVEMENT	FLOWLINE	DEPTH	REMARKS
(2) 1	10+383	CTH A	ENDWALL	12.5	RT	---	---	---	---	227.600	---	ENDWALL, 600mm
1A	10+377	CTH A	INLET	9.2	RT	3	H	LT	228.932	227.600	1.030	
2	10+369	CTH A	MANHOLE	1.5	RT	1	J	---	229.206	227.881	~~0.750~~ 0.950	
2A	10+364	CTH A	INLET	7.0	LT	3	H	RT	229.125	227.926	0.897	
2B	10+364	CTH A	INLET	9.2	RT	3	H	LT	228.969	227.921	0.746	MODIFIED INLET
(1) 2C	10+362	CTH A	ENDWALL	12.6	RT	---	---	---	---	~~227.931~~	---	ENDWALL, 300mm
3	10+280	CTH A	MANHOLE	1.5	RT	1	J	---	229.676	228.145	~~0.956~~ 1.156	
3A	10+280	CTH A	INLET	7.0	LT	3	H	RT	229.574	228.185	1.087	
3B	10+280	CTH A	INLET	7.0	RT	3	H	LT	229.574	228.185	1.087	
4	10+205	CTH A	MANHOLE	1.5	RT	1	J	---	230.287	228.520	~~1.192~~ 1.392	
4A	10+200	CTH A	INLET	7.0	LT	3	H	RT	230.221	228.565	1.354	
(4) 4B	10+200	CTH A	INLET	7.0	RT	3	H	LT	230.221	~~228.565~~	1.354	
(2) 5	10+397	CTH A	ENDWALL	10.0	RT	---	---	---	---	227.205	---	ENDWALL, 600mm
6	10+400	CTH A	MANHOLE	1.5	RT	1	J	---	229.038	227.205	~~1.258~~ 1.458	
(9) 7	10+451	CTH A	MANHOLE	0.5 ~~1.5~~	RT	3	J	---	228.770	227.266	~~0.929~~ 1.129	
7A	10+451	CTH A	INLET	7.0	LT	3	H	RT	228.668	227.310	1.056	
7B	10+457	CTH A	INLET	7.0	RT	3	H	LT	228.639	227.310	1.027	
(9) 8	10+491	CTH A	MANHOLE	0.5 ~~1.5~~	RT	3	J	---	228.643	227.315	~~0.753~~ 0.953	
8A	10+500	CTH A	INLET	7.0	LT	3	H-S	RT	228.488	227.340	0.846	MODIFIED INLET
(12) 8B	10+514	CTH A	INLET	9.5	LT	1	C	---	~~228.550~~	227.410	0.761	MODIFIED INLET
8C	10+491	CTH A	INLET	7.0	RT	3	H	RT	228.458	227.340	0.816	MODIFIED INLET
9	10+548	CTH A	MANHOLE	1.5	RT	3	J	---	228.734	227.385	~~0.774~~ 0.974	
9A	10+548	CTH A	INLET	7.0	LT	3	H	LT	228.632	227.430	0.900	
(8) 9B	10+548	CTH A	INLET	7.0	RT	3	H	RT	228.632	227.430	0.900	
(8) 9C	10+548	CTH A	CONNECT TO EXI	8.5	RT	---	---	---	---	MATCH	---	CONNECT TO EXISTING, 525mm
(21) 10	10+602	CTH A	MANHOLE	1.5	RT	1	J	---	228.823	227.450	~~0.798~~ 0.998	
(13) 10A	10+602	CTH A	INLET	9.8	LT	1	C	---	~~228.500~~	227.490	0.631	MODIFIED INLET
11	10+646	CTH A	MANHOLE	1.5	RT	3	J	---	228.725	227.503	~~0.647~~ 0.847	
11A	10+649	CTH A	INLET	7.0	LT	3	H-S	RT	228.566	227.550	0.714	MODIFIED INLET
11B	10+649	CTH A	INLET	9.8	LT	1	C	---	228.800	227.570	0.851	
11C	10+650	CTH A	INLET	9.2	RT	3	H	RT	228.560	227.530	0.728	MODIFIED INLET
(7) 11D	~~10+638~~	CTH A	INLET	~~9.2~~	~~RT~~	3	H	LT	228.608	227.570	0.736	MODIFIED INLET
(6) 11E	10+648	CTH A	INLET	19.3	RT	1	C	---	228.650	~~227.580~~	0.691	MODIFIED INLET
(21) 12	10+690	CTH A	MANHOLE	1.5	RT	1	J	---	228.797	227.556	~~0.666~~ 0.866	
12A	10+690	CTH A	INLET	7.0	LT	3	H	LT	228.695	227.600	0.793	MODIFIED INLET
12B	10+690	CTH A	INLET	7.0	RT	3	H	RT	228.695	227.580	0.813	MODIFIED INLET
12C	10+687	CTH A	INLET	9.3	RT	1	C	---	228.570	227.600	0.591	MODIFIED INLET
(21) 13	10+729	CTH A	MANHOLE	1.5	RT	1	J	---	228.997	227.604	~~0.818~~ 1.018	
13A	10+731	CTH A	INLET	12.4	RT	3	H	RT	228.842	227.660	0.880	
13B	10+731	CTH A	INLET	17.4	RT	1	C	---	228.800	227.680	0.741	MODIFIED INLET
13C	10+723	CTH A	INLET	12.2	RT	3	H	RT	228.842	227.700	0.840	MODIFIED INLET
13D	10+723	CTH A	INLET	19.7	RT	1	C	---	228.800	227.740	0.681	MODIFIED INLET
14	10+775	CTH A	MANHOLE	1.5	RT	3	J	---	229.294	227.739	~~0.980~~ 1.180	
14A	10+768	CTH A	INLET	7.0	LT	3	H	LT	229.159	227.790	1.067	
14B	10+767	CTH A	INLET	9.6	LT	1	C	---	228.800	227.800	0.621	MODIFIED INLET
14C	10+782	CTH A	INLET	17.4	LT	3	H	RT	229.090	227.790	0.998	
14D	10+784	CTH A	INLET	21.8	RT	1	C	---	228.950	227.810	0.761	MODIFIED INLET
(5) 14E	10+771	CTH A	INLET	21.8	RT	1	C	---	~~229.210~~	~~227.850~~	0.981	
15	10+835	CTH A	MANHOLE	1.5	RT	3	J	---	229.479	227.919	~~0.985~~ 1.185	
15A	10+835	CTH A	MANHOLE	7.0	LT	1	H	LT	229.377	227.950	~~1.125~~ 1.325	
15B	10+835	CTH A	INLET	7.0	RT	3	H	RT	229.377	227.950	1.125	
15C	10+835	CTH A	CONNECT TO EXI	11.5	LT	---	---	---	229.600	MATCH	---	CONNECT TO EXISTING, 750mm
16	10+905	CTH A	MANHOLE	1.5	RT	1	J	---	229.807	228.269	~~0.963~~ 1.163	
16A	10+905	CTH A	INLET	7.0	LT	3	H	LT	229.705	228.300	1.103	
16B	10+905	CTH A	INLET	11.3	LT	1	C	---	229.500	228.320	0.801	
16C	10+890	CTH A	INLET	11.3	LT	1	C	---	229.450	228.370	0.701	MODIFIED INLET
16D	10+902	CTH A	INLET	7.0	RT	3	H	RT	229.690	228.300	1.088	
17	10+983	CTH A	MANHOLE	1.5	RT	1	J	---	230.180	228.669	~~0.936~~ 1.136	
17A	10+983	CTH A	INLET	7.0	LT	3	H	LT	230.072	228.700	1.070	
17B	10+983	CTH A	INLET	11.7	LT	1	C	---	230.150	228.720	1.051	
17C	10+983	CTH A	INLET	7.0	RT	3	H	RT	230.072	228.700	1.070	
(3) 18	11+294	CTH A	ENDWALL	11 ~~9.3~~	RT	---	---	---	227.750	~~227.381~~	---	ENDWALL, 600mm
(2) 19	11+290	CTH A	~~MANHOLE~~	~~1.5~~	RT	1	J	---	229.199	~~227.442~~	~~1.182~~ 1.382	
20	11+240	CTH A	MANHOLE	1.5	RT	1	J	---	228.870	227.533	0.762 0.962	
20A	11+240	CTH A	INLET	7.0	LT	3	H-S	RT	228.743	227.594	0.847	MODIFIED INLET
20B	11+240	CTH A	INLET	7.0	RT	3	H-S	LT	228.743	227.564	0.877	
21	11+140	CTH A	MANHOLE	1.5	RT	1	J	---	229.593	227.655	~~1.303~~ 1.563	
21A	11+140	CTH A	INLET	7.0	LT	3	H	RT	229.491	227.716	1.473	
(10) 21B	11+140	CTH A	INLET	7.0	RT	3	H	LT	229.491	~~227.687~~	1.502	
22	11+400	CTH A	ENDWALL	9.7	RT	---	---	---	---	228.150	---	ENDWALL, 300mm
22A	11+400	CTH A	INLET	7.0	~~LT~~ RB.	H-S	RT	229.154	228.170	0.682	MODIFIED INLET
22B	11+400	CTH A	INLET	7.0	~~RT~~ LB.	H-S	LT	229.154	228.200	0.652	MODIFIED INLET
23	11+440	CTH A	ENDWALL	10.6	RT	---	---	---	---	227.810	---	ENDWALL, 600mm
(2) 24	11+445	CTH A	~~MANHOLE~~ ENDWALL		~~RT~~	1	J	---	229.451	227.869	~~1.007~~ 1.207	
25	11+500	CTH A	MANHOLE	1.5	RT	1	J	---	229.786	228.051	~~1.180~~ 1.360	
25A	11+500	CTH A	INLET	7.0	LT	3	H	LT	229.681	228.112	1.267	
25B	11+500	CTH A	INLET	7.0	RT	3	H	RT	229.681	228.082	1.297	

← SEE ATTACHED SHEETS FOR STORM SEWER CHANGES.

Str. 24 Planned to be a Manhole
Str. did not exist on Plan / Profile sheets.

ORIGINATOR: DJO
PROJECT NO. 440278.00
REVISED BY:
DATE REVISED:
DATE: 7/1/99
FILE NAME:
PLOT NAME:
SCALE:
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,...

MISCELLANEOUS QUANTITIES	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78, 4994-00-82	SHEET NO: 3.F	M

WisDOT: MSHT42

REVISED SHEET

REVISED ~~5/1/00~~ 5/16/00

MANHOLES, INLETS, AND COVERS

STRUCTURE NUMBER	STATION	LOCATION	STRUCTURE	DISTANCE LT/RT	TYPE	COVER	GRATE LT/RT	ELEVATIONS PAVEMENT	FLOWLINE	DEPTH	REMARKS
26	11+585	CTH A	MANHOLE	1.5 RT	1	J	---	230.748	228.356	~~1.017~~ 2.017	
26A	11+589	CTH A	INLET	9.6 LT	3	H	LT	230.829	228.417	2.110	
26B	11+580	CTH A	INLET	19.0 RT	3	H	RT	230.642	228.417	1.923	
26C	11+581	CTH A	INLET	23.4 RT	1	C	---	230.470	228.448	1.643	
26D	11+567	CTH A	INLET	23.4 RT	1	C	---	230.650	228.478	1.793	
27	11+662	CTH A	MANHOLE	1.5 RT	1	J	---	231.659	229.057	~~2.027~~ 2.227	
27A	11+66~~2~~4	CTH A	INLET	7.0 ~~LT~~ RT	3	H	~~LT~~ RT	231.~~964~~493	230.~~276~~28	~~1.386~~ 0.911	
27B	11+662	CTH A	INLET	7.0 RT	3	H	RT	231.467	230.276	0.889	
28	11+740	CTH A	MANHOLE	1.5 RT	1	J	---	232.455	230.124	~~1.756~~ 1.956	
28A	11+74~~0~~4	CTH A	INLET	7.0 ~~LT~~ RT	3	H	~~LT~~ RT	232.~~759~~277	230.73~~4~~8	~~1.723~~ 1.237	
28B	11+740	CTH A	INLET	7.0 RT	3	H	RT	232.263	230.734	1.227	
29	11+~~822~~864	CTH A	MANHOLE	1.5 RT	1	J	---	233.~~030~~.058	231.~~038~~174	~~1.417~~ 1.509	
29A	11+~~740~~864	CTH A	INLET	7.0 LT	3	H	LT	233.~~334~~.400	231.~~404~~.54	~~1.628~~ 1.558	
29B	11+~~740~~864	CTH A	INLET	7.0 RT	3	H	RT	~~232.838~~ 3249	231.~~404~~.54	~~1.132~~ 1.407	
30	11+920	CTH A	MANHOLE	1.5 RT	1	J	---	233.790	231.648	~~1.567~~ 1.767	
30A	11+920	CTH A	INLET	7.0 LT	3	H	LT	233.688	232.258	1.128	
30B	11+920	CTH A	INLET	7.0 RT	3	H	RT	233.688	232.258	1.128	
31	12+019	CTH A	MANHOLE	1.5 RT	1	J	---	234.710	232.258	~~1.877~~ 2.077	
31A	12+019	CTH A	INLET	7.0 LT	3	H	LT	234.608	232.867	1.439	
31B	12+019	CTH A	INLET	7.0 RT	3	H	RT	234.608	232.562	1.744	
32	12+090	CTH A	MANHOLE	1.5 RT	1	J	---	235.155	232.562	~~2.018~~ 2.218	
33	12+160	CTH A	MANHOLE	1.5 RT	1	J	---	235.163	232.867	~~1.721~~ 1.921	
33A	12+160	CTH A	INLET	7.0 LT	3	H	RT	234.990	233.020	1.668	
33B	12+160	CTH A	INLET	7.0 RT	3	H	LT	234.990	233.020	1.668	
34	12+215	CTH A	MANHOLE	1.5 RT	1	J	---	235.000	233.172	~~1.253~~ 1.453	
34A	12+215	CTH A	INLET	7.0 LT	3	D	---	234.810	233.020	1.640	
34B	12+215	CTH A	INLET	7.0 RT	3	H-S	RT	234.810	233.233	1.275	
35	12+290	CTH A	MANHOLE	1.5 RT	1	J	---	235.224	233.629	~~1.020~~ 1.220	
35A	12+300	CTH A	INLET	7.0 LT	3	H	LT	235.153	233.782	1.069	
35B	12+300	CTH A	INLET	7.0 RT	3	H	RT	235.153	233.782	1.069	
35C	12+289	CTH A	INLET	21.2 RT	3	H	RT	234.952	233.782	0.868	
35D	12+281	CTH A	INLET	24.6 RT	3	H	LT	234.952	233.843	0.807	MODIFIED INLET
36	12+721	CTH A	MANHOLE	1.5 RT	3	J	---	234.969	232.837	~~1.557~~ 1.757	
(20) 36A	12+726	CTH A	INLET	7.0 LT	3	H	RT	234.850	232.867	1.681	
(22) 36B	12+728	CTH A	MANHOLE	9.5 LT	1	Salvage	---	233.950	232.898	~~0.902~~ 1.102	MATCH TO EXISTING, 600mm
(14) ~~36C~~	~~12+717~~	~~CTH A~~	~~INLET~~	~~7.0 RT~~	~~3~~	~~H~~	~~LT~~	~~234.876~~	~~232.800~~	~~1.774~~ ~~1.713~~	
36D	12+716	CTH A	MANHOLE	9.5 RT	1	Salvage	---	234.450	232.787	~~1.513~~ 1.713	MATCH TO EXISTING, 600mm
37	12+640	CTH A	MANHOLE	1.5 RT	1	J	---	235.210	233.050	~~1.585~~ 1.785	
38	12+540	CTH A	MANHOLE	1.5 RT	1	J	---	234.865	233.294	~~0.996~~ 1.196	
38A	12+540	CTH A	INLET	7.0 LT	3	H-S	LT	234.763	233.354	1.107	
38B	12+540	CTH A	INLET	7.0 RT	3	H-S	RT	234.763	233.324	1.137	
39	12+475	CTH A	MANHOLE	1.5 RT	1	J	---	235.060	233.446	~~1.039~~ 1.239	
40	12+411	CTH A	MANHOLE	1.5 RT	1	J	---	235.251	233.599	~~1.077~~ 1.277	
40A	12+414	CTH A	INLET	10.3 LT	3	H	RT	235.289	233.660	1.327	
40B	12+407	CTH A	INLET	12.0 LT	1	C	---	234.450	233.680	0.391	MODIFIED INLET
40C	12+430	CTH A	INLET	9.4 LT	3	H	RT	235.133	233.721	1.110	
ELIMINATED ~~40D~~	~~12+435~~	~~CTH A~~	~~ENDWALL~~	~~9.5 LT~~		~~---~~	~~---~~		~~234.485~~		~~ENDWALL, 300mm.~~
40E	12+409	CTH A	INLET	7.0 RT	3	H	LT	235.155	233.629	1.224	
41	12+820	CTH A	MANHOLE	1.5 RT	1	J	---	234.670	233.081	~~1.014~~ 1.214	
41A	12+820	CTH A	INLET	7.0 LT	3	H-S	LT	234.568	233.111	1.155	
(11) 41B	12+820	CTH A	INLET	7.0 RT	3	H-S	RT	234.568	233.111	1.155	
42	12+920	CTH A	MANHOLE	1.5 RT	1	J	---	235.048	233.385	~~1.088~~ 1.288	
42A	12+920	CTH A	INLET	7.0 LT	3	H	LT	234.946	~~233.416~~	~~1.228~~	
(11) 42B	12+920	CTH A	INLET	7.0 RT	3	H	RT	234.946	~~233.416~~	~~1.228~~	
43	13+020	CTH A	MANHOLE	1.5 RT	1	J	---	236.522	233.934	~~2.013~~ 2.213	
(17) 43A	13+020	CTH A	INLET	7.0 LT	3	H	LT	236.420	~~234.500~~	1.618	
43B	13+020	CTH A	INLET	7.0 RT	3	H	RT	236.420	234.500	1.618	
44	13+100	CTH A	MANHOLE	1.5 RT	1	J	---	237.867	235.134	~~2.158~~ 2.358	
44A	13+100	CTH A	INLET	7.0 LT	3	H	LT	237.765	236.200	1.263	
44B	13+100	CTH A	INLET	7.0 RT	3	H	RT	237.765	236.200	1.263	
45	13+200	CTH A	MANHOLE	1.5 RT	1	J	---	238.936	236.634	~~1.727~~ 1.927	
45A	13+200	CTH A	INLET	7.0 LT	3	H	LT	238.834	237.200	1.332	
45B	13+200	CTH A	INLET	7.0 RT	3	H	RT	238.834	237.200	1.332	
(16) ~~45C~~	~~13+198~~	~~CTH A~~	~~INLET~~	~~9.0 RT~~	~~1~~	~~C~~		~~239.250~~	~~237.500~~	~~1.371~~	
(15) 46	13+295	CTH A	MANHOLE	1.5 RT	3	J	---	239.033	237.110	~~1.348~~ 1.548	
46A	---	---	---	---	---	---	---	---	---	---	INLET REMOVED
(18) 46B	13+302	CTH A	INLET	13.5 RT	3	H-S	LT	238.813	~~237.100~~	1.331	
(18) 46C	13+308	CTH A	INLET	31.8 RT	1	C	---	239.100	~~237.200~~	1.431	
(18) 46D	13+320	CTH A	INLET	27.5 RT	1	C	---	238.750	~~237.350~~	1.021	
(23) 46E	13+306	CTH A	INLET	17.6 LT	1	H	RT	238.778	237.200	1.276	
(19) 46F	13+282	CTH A	INLET	19.8 LT	1	H-S	RT	238.810	237.300	1.208	
47	13+385	CTH A	MANHOLE	1.5 RT	1	J	---	238.598	237.218	~~0.805~~ 1.005	
(23) 47A	13+385	CTH A	INLET	5.0 LT	1	H	LT	238.708	237.300	1.106	
48	13+460	CTH A	MANHOLE	1.5 RT	1	J	---	238.498	237.353	0.570	MODIFIED MANHOLE
48A	13+430	CTH A	INLET	10.0 LT	1	H	RT	238.417	237.380	0.735	MODIFIED INLET
48B	13+460	CTH A	INLET	6.6 RT	1	H	LT	238.264	237.380	0.582	MODIFIED INLET
48C	13+460	CTH A	STUB OUT	7.6 RT	---	---	---	---	237.400	---	

ORIGINATOR: DJD
PROJECT NO. 440278.00
REVISED BY:
DATE REVISED:
DATE: 7/1/99
FILE NAME:
PLOT NAME:
SCALE:

MISCELLANEOUS QUANTITIES	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78, 4994-00-82	SHEET NO: 3.6

WISDOT: MSHT42

MANHOLES, INLETS, AND COVERS

STRUCTURE NUMBER	STATION	LOCATION	STRUCTURE	DISTANCE LT/RT	TYPE	COVER	GRATE LT/RT	ELEVATIONS PAVEMENT	FLOWLINE	DEPTH	REMARKS
26	11+585	CTH A	MANHOLE	1.5 RT	1	J	---	230.748	228.356	1.861	
26A	11+589	CTH A	INLET	9.6 LT	3	H	LT	230.829	228.417	1.957	
26B	11+580	CTH A	INLET	19.0 RT	3	H	RT	230.642	228.417	1.770	
26C	11+581	CTH A	INLET	23.4 RT	1	C	---	230.470	228.448	1.491	
26D	11+567	CTH A	INLET	23.4 RT	1	C	---	230.650	228.478	1.641	
27	11+662	CTH A	MANHOLE	1.5 RT	1	J	---	231.659	229.057	2.071	
27A	11+662	CTH A	INLET	7.0 LT	3	H	LT	231.964	230.276	1.233	
27B	11+662	CTH A	INLET	7.0 RT	3	H	RT	231.467	230.276	0.736	
28	11+740	CTH A	MANHOLE	1.5 RT	1	J	---	232.455	230.124	1.800	
28A	11+740	CTH A	INLET	7.0 LT	3	H	LT	232.759	230.734	1.570	
28B	11+740	CTH A	INLET	7.0 RT	3	H	RT	232.263	230.734	1.074	
29	11+822	CTH A	MANHOLE	1.5 RT	1	J	---	233.030	231.038	1.461	
29A	11+740	CTH A	INLET	7.0 LT	3	H	LT	233.334	231.404	1.475	
29B	11+740	CTH A	INLET	7.0 RT	3	H	RT	232.838	231.404	0.979	
30	11+920	CTH A	MANHOLE	1.5 RT	1	J	---	233.790	231.648	1.611	
30A	11+920	CTH A	INLET	7.0 LT	3	H	LT	233.688	232.258	0.975	
30B	11+920	CTH A	INLET	7.0 RT	3	H	RT	233.688	232.258	0.975	
31	12+019	CTH A	MANHOLE	1.5 RT	1	J	---	234.710	232.258	1.921	
31A	12+019	CTH A	INLET	7.0 LT	3	H	LT	234.608	232.867	1.286	
31B	12+019	CTH A	INLET	7.0 RT	3	H	RT	234.608	232.562	1.591	
32	12+090	CTH A	MANHOLE	1.5 RT	1	J	---	235.155	232.562	2.062	
33	12+160	CTH A	MANHOLE	1.5 RT	1	J	---	235.163	232.867	1.765	
33A	12+160	CTH A	INLET	7.0 LT	3	H	RT	234.990	233.020	1.515	
33B	12+160	CTH A	INLET	7.0 RT	3	H	LT	234.990	233.020	1.515	
34	12+215	CTH A	MANHOLE	1.5 RT	1	J	---	235.000	233.172	1.297	
34A	12+215	CTH A	INLET	7.0 LT	3	D	---	234.810	233.020	1.640	
34B	12+215	CTH A	INLET	7.0 RT	3	H-S	RT	234.810	233.233	1.122	
35	12+290	CTH A	MANHOLE	1.5 RT	1	J	---	235.224	233.629	1.064	
35A	12+300	CTH A	INLET	7.0 LT	3	H	LT	235.153	233.782	0.916	
35B	12+300	CTH A	INLET	7.0 RT	3	H	RT	235.153	233.782	0.916	
35C	12+289	CTH A	INLET	21.2 RT	3	H	RT	234.952	233.782	0.715	
35D	12+281	CTH A	INLET	24.6 RT	3	H	LT	234.952	233.843	0.654	Modified Inlet
36	12+721	CTH A	MANHOLE	1.5 RT	3	J	---	234.969	232.837	1.601	
36A	12+726	CTH A	INLET	7.0 LT	3	H	RT	234.850	232.867	1.528	
36B	12+728	CTH A	MANHOLE	9.5 LT	1	Salvage	RT	233.950	232.898	0.902	MATCH TO EXISTING, 600mm
36C	12+717	CTH A	INLET	7.0 RT	3	H	LT	234.876	232.800	1.621	
36D	12+716	CTH A	MANHOLE	9.5 RT	1	Salvage	LT	234.450	232.787	1.513	MATCH TO EXISTING, 600mm
37	12+640	CTH A	MANHOLE	1.5 RT	1	J	---	235.210	233.050	1.629	
38	12+540	CTH A	MANHOLE	1.5 RT	1	J	---	234.865	233.294	1.040	
38A	12+540	CTH A	INLET	7.0 LT	3	H-S	LT	234.763	233.354	0.954	
38B	12+540	CTH A	INLET	7.0 RT	3	H-S	RT	234.763	233.324	0.984	
39	12+475	CTH A	MANHOLE	1.5 RT	1	J	---	235.060	233.446	1.083	
40	12+411	CTH A	MANHOLE	1.5 RT	1	J	---	235.251	233.599	1.121	
40A	12+414	CTH A	INLET	10.3 LT	3	H	RT	235.289	233.660	1.174	
40B	12+407	CTH A	INLET	12.0 LT	1	C	---	234.450	233.680	0.239	Modified Inlet
40C	12+430	CTH A	INLET	9.4 LT	3	H	RT	235.133	233.721	0.957	
40D	12+435	CTH A	ENDWALL	9.5 LT	---	---	---	---	234.485	---	ENDWALL, 300mm
40E	12+409	CTH A	INLET	7.0 RT	3	H	LT	235.155	233.629	1.071	
41	12+820	CTH A	MANHOLE	1.5 RT	1	J	---	234.670	233.081	1.058	
41A	12+820	CTH A	INLET	7.0 LT	3	H-S	LT	234.568	233.111	1.002	
41B	12+820	CTH A	INLET	7.0 RT	3	H-S	RT	234.568	233.111	1.002	
42	12+920	CTH A	MANHOLE	1.5 RT	1	J	---	235.048	233.385	1.132	
42A	12+920	CTH A	INLET	7.0 LT	3	H	LT	234.946	233.416	1.075	
42B	12+920	CTH A	INLET	7.0 RT	3	H	RT	234.946	233.416	1.075	
43	13+020	CTH A	MANHOLE	1.5 RT	1	J	---	236.522	233.934	2.057	
43A	13+020	CTH A	INLET	7.0 LT	3	H	LT	236.420	234.500	1.465	
43B	13+020	CTH A	INLET	7.0 RT	3	H	RT	236.420	234.500	1.465	
44	13+100	CTH A	MANHOLE	1.5 RT	1	J	---	237.867	235.134	2.202	
44A	13+100	CTH A	INLET	7.0 LT	3	H	LT	237.765	236.200	1.110	
44B	13+100	CTH A	INLET	7.0 RT	3	H	RT	237.765	236.200	1.110	
45	13+200	CTH A	MANHOLE	1.5 RT	1	J	---	238.936	236.634	1.771	
45A	13+200	CTH A	INLET	7.0 LT	3	H	LT	238.834	237.200	1.179	
45B	13+200	CTH A	INLET	7.0 RT	3	H	RT	238.834	237.200	1.179	
45C	13+199	CTH A	INLET	9.0 RT	1	C	---	239.250	237.500	1.219	
46	13+295	CTH A	MANHOLE	1.5 RT	1	J	---	239.033	237.110	1.392	
46A	13+287	CTH A	INLET	11.6 LT	3	H-S	RT	238.864	237.180	1.229	
46B	13+302	CTH A	INLET	13.5 RT	3	H-S	LT	238.813	237.180	1.178	
46C	13+308	CTH A	INLET	31.8 RT	1	C	---	239.100	237.290	1.279	
46D	13+320	CTH A	INLET	27.5 RT	1	C	---	238.750	237.350	0.869	
47	13+330	CTH A	MANHOLE	1.5 RT	1	J	---	238.928	237.285	1.112	
47A	13+330	CTH A	INLET	7.0 LT	1	H-S	RT	238.813	237.330	1.028	
47B	13+336	CTH A	STUB END	8.0 LT	---	---	---	---	238.750	---	
47C	13+330	CTH A	INLET	7.0 RT	1	H-S	LT	238.813	237.330	1.028	
47D	13+336	CTH A	STUB END	8.0 RT	---	---	---	---	238.550	---	

EROSION CONTROL

STATION-STATION	LOCATION	SILT FENCE, SILTY SOILS DELIVERED m	SILT FENCE, SILTY SOILS INSTALLED m	SILT FENCE, SILTY SOILS MAINTAINED m	EROSION MAT, CLASS I TYPE "A" DELIVERED m2	EROSION MAT, CLASS I TYPE "A" INSTALLED m2	SOD m2
PROJ. 4994-00-78							
10+368	C.T.H. "A" LT.	10	10	5			
10+383	C.T.H. "A" LT.	6	6	3			
10+383	C.T.H. "A" RT.	4	4	2			
10+400-10+405	C.T.H. "A" RT.	8	8	4			
11+260-11+318	C.T.H. "A" RT.	60	60	30			
11+265-11+453	C.T.H. "A" LT.	200	200	100			
11+460	C.T.H. "A" LT.	10	10	5			
INLETS	C.T.H. "A"	70	70	35			
10+300-10+365	C.T.H. "A" RT.				210	210	
10+513	C.T.H. "A" LT.				21	21	
10+602	C.T.H. "A" LT.				18	18	
10+648	C.T.H. "A" LT.				15	15	
10+983	C.T.H. "A" LT.				15	15	
3+020-3+025	MILLER LN. LT.				15	15	
4+020-4+025	RIDGE LN. LT./RT.				30	30	
5+023-5+028	KEENVILLE AVE LT./RT.				30	30	
7+024-7+034	SNELL ROAD RT.				30	30	
SUBTOTAL		368	368	184	384	384	
PROJ. 4994-00-82	CATEGORY 0010						
INLETS	C.T.H. "A"	40	40	20			
6+970	SNELL RD. LT.						15
7+024-7+034	SNELL RD. LT./RT.				60	60	
11+580-12+040	C.T.H. "A" LT.				1,380	1,380	
12+728-13+180	C.T.H. "A" LT.				1,356	1,356	
13+330-13+370	C.T.H. "A" LT./RT.				240	240	
	SUBTOTAL	40	40	20	3,036	3,036	15
	TOTAL	408	408	204	3,420	3,420	15

MEDIUM RANDOM RIPRAP

STATION-STATION	LOCATION	QUANTITY m3
PROJ. 4994-00-78		
10+368-10+402	C.T.H. "A" LT./RT.	50
11+293-11+303	C.T.H. "A" RT.	20
11+427-11+455	C.T.H. "A" LT./RT.	40
TOTAL		110

BREAKER RUN STONE

STATION-STATION	LOCATION	QUANTITY Mg
PROJ. 4994-00-78		
10+760-10+880	C.T.H. "A"	1,293
PROJ. 4994-00-82	CATEGORY 0010	
11+600-13+000	C.T.H. "A"	15,082
TOTAL		16,375

CONSTRUCTION STAKING, CONCRETE PAVEMENT

STATION-STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	1,575
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+331	C.T.H. "A"	1,756
PROJ. 4994-00-82	CATEGORY 0020	
19-932-20+000	C.T.H. "AA"	68
TOTAL		3,399

CONSTRUCTION STAKING, CULVERT PIPES

STATION-STATION	LOCATION	QUANTITY EACH
PROJ. 4994-00-78		
10+380	C.T.H. "A"	4
11+300	C.T.H. "A"	2
11+440	C.T.H. "A"	3
TOTAL		9

H.E.S. CONCRETE, 200 mm

STA	LOCATION	QUANTITY m2
PROJ. 4994-00-78		
10+370	C.T.H. "A" RT.	66
10+464	C.T.H. "A" RT.	66
10+658	C.T.H. "A" LT.	66
10+776	C.T.H. "A" LT.	66
10+934	C.T.H. "A" LT.	66
10+993	C.T.H. "A" LT.	66
11+575	C.T.H. "A" LT./RT.	132
SUBTOTAL		528
PROJ. 4994-00-82	CATEGORY 0010	
12+331	C.T.H. "A" RT.	66
13+300	C.T.H. "A" LT./RT.	132
SUBTOTAL		198
TOTAL		726

CONSTRUICTION STAKING, CURB AND GUTTER

STATION-STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	3,184
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+410	C.T.H. "A"	3,586
PROJ. 4994-00-82	CATEGORY 0020	
19-932-20+000	C.T.H. "AA"	129
TOTAL		6,899

CONSTRUCTIION STAKING: INLETS, CATCH BASINS, MANHOLES, AND STORM SEWER PIPES

STATION-STATION	LOCATION	QUANTITY EACH
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	73
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+410	C.T.H. "A"	71
TOTAL		144

PAVEMENT MARKING, PAINT

STATION-STATION	LOCATION	100 mm SOLID YELLOW CENTERLINE m	100 mm SOLID WHITE EDGELINE m	100 mm DASHED WHITE LANE LINE m	450 mm SOLID WHITE STOPLINE m	RAILROAD CROSSING EACH
PROJ. 4994-00-78						
10+000-10+359	C.T.H. "A"	718	718	180		
10+359-10+383	C.T.H. "A"	48	24	12		
10+383-10+457	C.T.H. "A"	148	148	37		
10+457-10+478	C.T.H. "A"	42		11		
10+478-10+486	C.T.H. "A"	16	8	4		
10+486-10+633	C.T.H. "A"	294	294	74		
10+633-10+656	C.T.H. "A"	46	23	12		
10+656-10+716	C.T.H. "A"	120	120	30		
10+716-10+739	C.T.H. "A"	46	23	12		
10+739-10+762	C.T.H. "A"	46	46	12		
10+762-10+792	C.T.H. "A"	60	30	15		
10+792-11+006	C.T.H. "A"	428	428	107		
11+006-11+036	C.T.H. "A"	60	30	15		
11+036-11+555	C.T.H. "A"	1,038	1,038	260		
SUBTOTALS		3,110	2,930	781		
PROJ. 4994-00-82	CATEGORY 0010					
11+595-12+264	C.T.H. "A"	1,338	1,338	335		
12+264-12+299	C.T.H. "A"	70	35	18		
12+299-12+409	C.T.H. "A"	220	220	55		
12+409-12+438	C.T.H. "A"	58		15		
12+438-13+282	C.T.H. "A"	1,688	1,688	422		
13+323-13+410	C.T.H. "A"	174	174			
8+965-9+025	BUTLER AVE.	88			18	
9+962-10+10+038	C.T.H. "Y"	118			24	
6+970-7+030	SNELL RD.	88			18	
SUBTOTALS		3,842	3,455	845	60	
PROJ. 4994-00-82	CATEGORY 0020					
19+850-20+090	C.T.H. "AA"	480				
19+911	C.T.H. "AA"					1
20+055	C.T.H. "AA"					1
29+981-29+991	NICOLET AVE.	20				
SUBTOTALS		500	0	0	0	2
TOTALS		7,452	6,385	1,626	60	2

100 mm White edgeline eliminated in the curb + gutter sections.

CONSTRUCTION STAKING, SUBGRADE

STATION-STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	1,575
1+00-1+020	MacARTHUR LN.	20
2+000-2+040	SHADOW LN.	40
3+000-3+020	MILLER LN.	20
4+000-4+030	RIDGE LN.	30
5+000-5+030	KEENVILLE AVE.	30
6+000-6+020	DRIFTWOOD LN.	20
6+970-7+030	SNELL RD.	60
SUBTOTAL		1,795
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+410	C.T.H. "A"	1,835
8+000-8+040	PICKETT AVE.	40
8+965-9+025	BUTLER AVE.	60
9+062.5-10+037.5	C.T.H. "Y"	75
SUBTOTAL		2,010
PROJ. 4994-00-82	CATEGORY 0020	
19+932-20+000	C.T.H. "AA"	68
SUBTOTAL		68
TOTAL		3,873

PRELIMINARY CONSTRUCTION STAKING

STATION-STATION	LOCATION	QUANTITY m
PROJ. 4994-00-78		
10+000-11+575	C.T.H. "A"	1,575
1+00-1+020	MacARTHUR LN.	20
2+000-2+040	SHADOW LN.	40
3+000-3+020	MILLER LN.	20
4+000-4+030	RIDGE LN.	30
5+000-5+030	KEENVILLE AVE.	30
6+000-6+020	DRIFTWOOD LN.	20
6+970-7+030	SNELL RD.	60
SUBTOTAL		1,795
PROJ. 4994-00-82	CATEGORY 0010	
11+575-13+410	C.T.H. "A"	1,835
8+000-8+040	PICKETT AVE.	40
8+965-9+025	BUTLER AVE.	60
9+062.5-10+037.5	C.T.H. "Y"	75
SUBTOTAL		2,010
PROJ. 4994-00-82	CATEGORY 0020	
19+932-20+000	C.T.H. "AA"	68
SUBTOTAL		68
TOTAL		3,873

TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE, SOLID YELLOW, 100 mm

STATION-STATION	LOCATION	QUANTITY m	REMARKS
PROJ. 4994-00-82	CATEGORY 0020		
19+850-20+090	C.T.H. "AA"	960	PHASES 1 AND 2

REMOVING PAVEMENT MARKINGS

STATION-STATION	LOCATION	QUANTITY m	REMARKS
PROJ. 4994-00-82	CATEGORY 0020		
19+850-19+915	C.T.H. "AA"	130	PHASE 1
20+017-20+090	C.T.H. "AA"	146	PHASE 1
19+850-20+090	C.T.H. "AA"	480	PHASE 2
TOTAL		756	

TRAFFIC CONTROL DRUMS AND WARNING LIGHTS, AND SIGNS

STATION	LOCATION	DRUMS		WARNING LIGHTS TYPE "C"		BARRICADES TYPE III		WARNING LIGHTS, TYPE "A" BARRICADES		SIGN		SIGNS		SIGN NO.	REMARKS	FLEXIBLE TUBULAR MARKERS (POSTS AND BASES)
		EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS			EACH
PROJ. 4994-00-78																
9+450	C.T.H. "A"									1	138	1	138	W20-3	ROAD CLOSED AHEAD	
9+600	C.T.H. "A"									1	138	1	138	W20-3	ROAD CLOSED 1000'	
9+850	C.T.H. "A"									1	138	2	276	W20-3, G20-2	ROAD CLOSED 500', END ROAD WORK	
10+000	C.T.H. "A"					3	414	6	828			1	138	R11-4	ROAD CLOSED TO THRU TRAFFIC	
1+020	MACARTHUR LN.					1	138	2	276			1	138	R11-2	ROAD CLOSED	
1+170	MACARTHUR LN.									1	138	2	276	W20-3, G20-2	ROAD CLOSED AHEAD, END ROAD WORK	
2+040	SHADOW LN.					1	138	2	276			1	138	R11-2	ROAD CLOSED	
2+190	SHADOW LN.									1	138	2	276	W20-3, G20-2	ROAD CLOSED AHEAD, END ROAD WORK	
3+020	MILLER LN.					1	138	2	276			1	138	R11-2	ROAD CLOSED	
3+170	MILLER LN.									1	138	2	276	W20-3, G20-2	ROAD CLOSED AHEAD, END ROAD WORK	
4+030	RIDGE LN.					1	138	2	276			1	138	R11-2	ROAD CLOSED	
4+180	RIDGE LN.									1	138	2	276	W20-3, G20-2	ROAD CLOSED AHEAD, END ROAD WORK	
5+030	KEENVILLE AVE.					1	138	2	276			1	138	R11-2	ROAD CLOSED	
5+180	KEENVILLE AVE.									1	138	2	276	W20-3, G20-2	ROAD CLOSED AHEAD, END ROAD WORK	
6+020	DRIFTWOOD LN.					1	138	2	276			1	138	R11-2	ROAD CLOSED	
6+170	DRIFTWOOD LN.									1	138	2	276	W20-3, G20-2	ROAD CLOSED AHEAD, END ROAD WORK	
6+820	SNELL RD.									1	138	2	276	W20-1, G20-2	ROAD WORK AHEAD, END ROAD WORK	
10+355	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
10+367	C.T.H. "A"											2	180	R3-2, R6-2R	NO LEFT TURN SYMBOL, ONE WAY	
10+452	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
10+477	C.T.H. "A"											2	180	R3-2, R6-2R	NO LEFT TURN SYMBOL, ONE WAY	
10+630	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
10+645	C.T.H. "A"											2	180	R3-2, R6-2R	NO LEFT TURN SYMBOL, ONE WAY	
10+714	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
10+725	C.T.H. "A"											2	180	R3-2, R6-2R	NO LEFT TURN SYMBOL, ONE WAY	
10+760	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
10+767	C.T.H. "A"											2	180	R3-2, R6-2R	NO LEFT TURN SYMBOL, ONE WAY	
11+004	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
11+015	C.T.H. "A"											2	180	R3-2, R6-2R	NO LEFT TURN SYMBOL, ONE WAY	
11+477	C.T.H. "A"											1	90	R5-9	WRONG WAY	
11+552	C.T.H. "A"											1	90	R5-1	DO NOT ENTER	
11+560	C.T.H. "A"											1	138	R11-4	ROAD CLOSED TO THRU TRAFFIC	
11+563	C.T.H. "A"											2	180	R6-2L, R3-2	NO LEFT TURN SYMBOL, ONE WAY	
10+000-11+575	C.T.H. "A"	106	14,628												SPACING = 15 METERS	
SUBTOTALS			14,628			1,518		3036		1380		5,568				

REVISED SHEET

REVISED 4/7/00

SAWING EXISTING PAVEMENT

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82		
9+957	C.T.H. "Y"	7.2
10+035	C.T.H. "A"	7.2
13+580	C.T.H. "A"	7.2
TOTAL		21.6

PAVEMENT REMOVAL

STATION-STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-82		
13+410-13+560	C.T.H. "A"	1,080

CRUSHED AGGREGATE BASE COURSE (150 mm)

STATION-STATION	LOCATION	CRUSHED AGGREGATE BASE COURSE MAINLINE Mg	WATER kL
PROJ. 4994-00-82			
13+135-13+213	C.T.H. "A" WIDENING	80	4
13+213-13+300	C.T.H. "A" WIDENING	179	8
13+300-13+380	C.T.H. "A" WIDENING	536	23
13+380-13+500	C.T.H. "A" WIDENING	674	29
13+500-13+580	C.T.H. "A" WIDENING	181	8
13+460-13+580	C.T.H. "A" SHOULDERS	174	6
TOTALS		1,824	78

TOPSOIL, MULCHING, FERTILIZING, SEEDING, AND SODDING

STATION-STATION	LOCATION	TOPSOIL m2	MULCH m2	FERTILIZER TYPE "B" kg	SEEDING NO 40 kg
13+410-13+580	C.T.H. "A"	1,900	1,900	67	19
9+957-9+962.5	C.T.H. "Y"	100	100	4	1
TOTALS		2,000	2,000	71	20

PRELIMINARY CONSTRUCTION STAKING

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82		
13+410-13+580	C.T.H. "A"	170.0
9+957-9+962.5	C.T.H. "Y"	5.5
TOTAL		175.5

CONSTRUCTION STAKING, SUBGRADE

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82		
13+410-13+580	C.T.H. "A"	170.0
9+957-9+962.5	C.T.H. "Y"	5.5
TOTAL		175.5

CONSTRUCTION STAKING, CONCRETE PAVEMENT

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82		
13+331-13+460	C.T.H. "A"	129

CONSTRUCTION STAKING, CONCRETE CURB AND GUTTER

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82		
13+410-13+460	C.T.H. "A"	50

SODDING

STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-82		
13+460 RT.	C.T.H. "A"	15

CONCRETE PAVEMENT, 200 mm

STATION-STATION	LOCATION	QUANTITY m2
PROJ. 4994-00-82		
13+135-13+460	C.T.H. "A"	2,876
9+965-9+985	C.T.H. "Y"	388
TOTALS		3,264

CONCRETE CURB AND GUTTER, 450 mm TYPE 'A'

STATION-STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82		
13+168-13+275	C.T.H. "A"	213.8
13+325-13+423	C.T.H. "A"	196.2
TOTAL		410.0

CONCRETE CURB AND GUTTER, 750 mm TYPE 'A'

STATION-STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82		
13+331-13+460	C.T.H. "A"	258

CONCRETE CORRUGATED MEDIAN

STATION-STATION	LOCATION	QUANTITY m2
13+151-13+169	CTH A	30
13+422-13+443	CTH A	42

CULVERT PIPE, 450 MM

STATION-STATION	LOCATION	QUANTITY m	ENDWALLS EA	INLET ELEV.	DISCHARGE ELEV.
PROJ. 4994-00-82					
13+580	C.T.H. "A"	14	2	237.457	236.992

ORIGINATOR: DJD
PROJECT NO. 440278.00
REVISED BY:
DATE REVISED:
DATE: 7/1/99
FILE NAME:
PLOT NAME:
SCALE:

REVISED SHEET
REVISED 5/1/00

SIGNS, TYPE II, REFLECTIVE AND WOOD POSTS*

SIGN CODE	STATION	LOCATION	SIGN SIZE mm	SIGN m2	WOOD POST 100mmx150mmx4.5 m EACH	SIGN MESSAGE
R4-7	13+170 LT.	C.T.H. "A"	600x750	0.45	1	KEEP RIGHT SYMBOL
R4-7	13+273 LT.	C.T.H. "A"	600x750	0.45	1	KEEP RIGHT SYMBOL
R4-7	13+326 LT.	C.T.H. "A"	600X750	0.45	1	KEEP RIGHT SYMBOL
R4-7	13+421 LT.	C.T.H. "A"	600X750	0.45	1	KEEP RIGHT SYMBOL

*FOR INFORMATION ONLY, COUNTY WILL INSTALL

ASPHALTIC CONCRETE PAVEMENT, TYPE "MV", ASPHALTIC MATERIAL FOR PLANT MIXES, AND TACK COAT

STATION-STATION	LOCATION	ASPHALTIC CONCRETE PAVEMENT TYPE "MV" Mg	ASPHALTIC MATERIAL FOR PLANT MIXES @ 5.6% Mg	ASPHALTIC MATERIAL FOR TACK COAT L
PROJ. 4994-00-82				
13+169-13+274	C.T.H. "A" ISLAND	19	1	18
13+326-13+422	C.T.H. "A" ISLAND	31	2	30
13+460-13+580	C.T.H. "A"	192	11	148
9+957-9+965	C.T.H. "Y"	16	1	20
10+010-10+035	C.T.H. "Y"	48	3	62
TOTALS		306	18	278

EROSION CONTROL

STATION-STATION	LOCATION	EROSION MAT, CLASS I TYPE "A" DELIVERED m2	EROSION MAT, CLASS I TYPE "A" INSTALLED m2
13+460 - 13+540	C.T.H. "A"	192	192

STATION	END AREA CUT (m2)	END AREA FILL (m2)	FACTORS CUT (m3)	FACTORS FILL (m3)	INCREMENTAL VOLUMES CUT (m3)	INCREMENTAL VOLUMES FILL	CUMULATIVE MASS HAUL
PROJECT 4994-00-82							
13+140	9.1	0.1	1.0	1.3	182	2	180
13+160	11.2	0.0	1.0	1.3	204	1	383
13+180	11.8	0.0	1.0	1.3	230	0	613
13+200	12.0	0.0	1.0	1.3	237	0	850
13+220	11.8	0.0	1.0	1.3	238	0	1,088
13+240	11.9	0.0	1.0	1.3	237	0	1,325
13+260	11.8	0.0	1.0	1.3	238	0	1,563
13+280	13.4	0.0	1.0	1.3	253	0	1,816
13+300	19.9	0.0	1.0	1.3	333	0	2.149
13+320	14.3	0.2	1.0	1.3	342	2	2,489
13+340	16.1	0.1	1.0	1.3	304	4	2,789
13+360	18.5	0.2	1.0	1.3	346	3	3.132
13+380	18.6	0.2	1.0	1.3	371	3	3,500
13+400	17.7	0.2	1.0	1.3	363	3	3,860
13+420	17.6	0.2	1.0	1.3	353	3	4,210
13+440	17.9	0.1	1.0	1.3	355	2	4,563
13+460	17.3	0.0	1.0	1.3	352	1	4,914
13+480	24.2	0.0	1.0	1.3	415	0	5,329
13+500	23.1	0.0	1.0	1.3	472	0	5,801
13+520	19.2	0.0	1.0	1.3	422	0	6,223
13+540	14.0	0.0	1.0	1.3	331	0	6,554
13+560	9.1	0.0	1.0	1.3	230	0	6.784
13+570	7.1	0.2	1.0	1.3	81	1	6,864
13+580	5.1	0.6	1.0	1.3	61	4	6,921
13+600	0.0	0.0	1.0	1.3	51	6	6.966
9+950	5.3	1.6	1.0	1.3	27	8	6,985
9+960	7.2	0.0	1.0	1.3	62	8	7,039
9+980	12.8	0.0	1.0	1.3	199	0	7,238
10+012	11.9	0.0	1.0	1.3	395	0	7,633
10+020	8.8	0.0	1.0	1.3	83	0	7,716
10+035	7.3	0.2	1.0	1.3	121	1	7,836

PULL BOXES, 600 mm X 900 mm

STATION	LOCATION	QUANTITY EA
PROJ. 4994-00-82		
13+273	C.T.H. "A"	1
13+327	C.T.H. "A"	1
		2

NON-METALLIC CONDUIT, SCHEDULE 40, 75 mm

STATION	LOCATION	QUANTITY m
PROJ. 4994-00-82		
9+975	ACROSS C.T.H. "Y"	27
13+273	ACROSS C.T.H. "A"	23
13+328	ACROSS C.T.H. "A"	26
TOTAL		76

PAVEMENT MARKING, PAINT

STATION-STATION	LOCATION	100 mm SOLID YELLOW CENTERLINE m	100 mm SOLID WHITE EDGELINE m	100 mm DASHED WHITE LANE LINE m	450 mm SOLID WHITE STOPLINE m	200 mm SOLID WHITE CHANNELIZING m	ARROW, TYPE 2 WHITE EA	WORDS WHITE EA
PROJ. 4994-00-82								
13+135-13+214	C.T.H. "A"	158	158	40				
13+214-13+274	C.T.H. "A"	120	120	30		60	2	2
13+274-13+285	C.T.H. "A"		11	3				
13+318-13+326	C.T.H. "A"		8	2		8	1	
13+326-13+356	C.T.H. "A"	60	60	16		60	1	2
13+356-13+378	C.T.H. "A"	44	44	12		22	1	1
13+378-13+460	C.T.H. "A"	164	164	42				
13+460-13+580	C.T.H. "A"	240	240					
9+957-10+035	C.T.H. "Y"	76		6	24			
TOTALS		862	805	151	24	150	5	5

PEN TABLE = +plot72+laser+mv80pp.tbl
DATE OF PLOT = 08/26/98
PLOT NA
DESIGN FILE IS L:\440278\DGN\rwtitle.dgn

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
4994-00-00		
FEDERAL PROJECT NUMBER	4.1	8

PLAT OF RIGHT OF WAY REQUIRED FOR
C.T.H. "AA" - C.T.H. "Y"

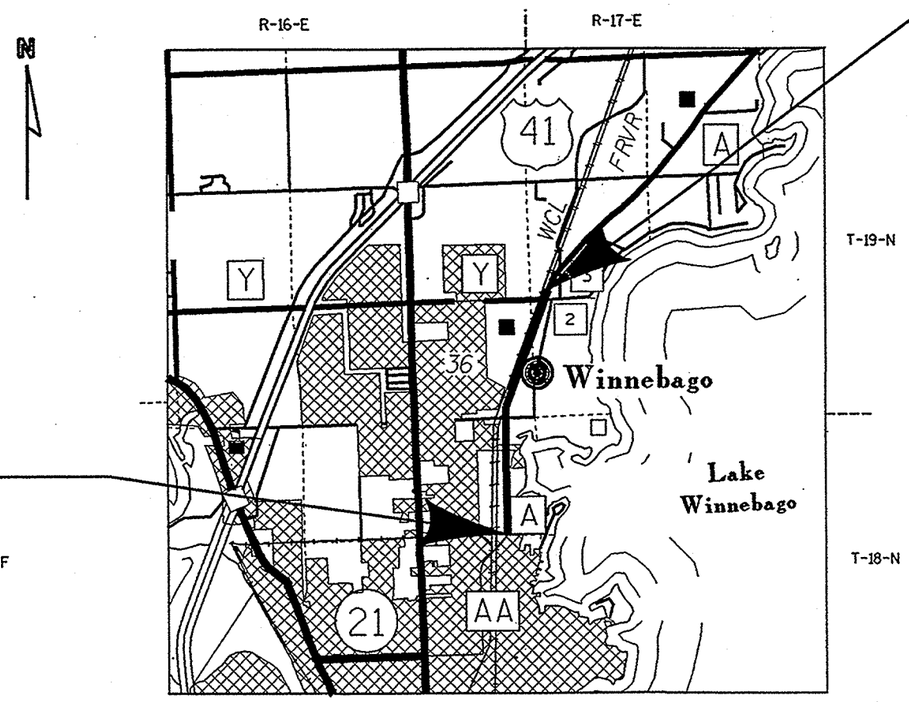
C.T.H. "A" WINNEBAGO COUNTY

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE LINE
COUNTY LINE
TOWNSHIP & RANGE LINES
QUARTER LINE
SIXTEENTH LINE
SECTION LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
CORPORATE LIMITS
NO ACCESS (BY ACQUISITION)
ACCESS (BY PREVIOUS ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
LIMITED EASEMENT
FENCE
BEAM GUARD
SECTION CORNER
CULVERT (BOX, PIPE OR CATTLE)
LOT & TIE
SLOPE INTERCEPTS
UNDERGROUND UTILITIES
IRON PIN/PIPE
POWER POLE NON COMP.
TELEPHONE POLE NON COMP.
TELEPHONE PEDESTAL NON COMP.
POWER POLE COMP.
TELEPHONE POLE COMP.
TELEPHONE PEDESTAL COMP.
MONUMENTED R/W POINT

NOTATION FOR COMBUSTIBLE FLUIDS
BRIDGE
STREAM OR RIVER
CHANNEL CHANGE
LAKE
RAIL LINE
FOUNDATION OR RUINS
BUILDING
SILO, MANHOLE, WELL, VENT, SEPTIC TANK, ETC.

A.P.	ACCESS POINT
AC.	ACRES
A.H.	AHEAD
ALUM.	ALUMINUM
ET.AL.	AND OTHERS
BK.	BACK
BIT.	BITUMINOUS
C.M.	CABLE MARKER
℄	CENTERLINE
C.T.H.	COUNTY TRUNK HIGHWAY
C.S.M.	CERTIFIED SURVEY MAP
CONC.	CONCRETE
COR.	CORNER
CULV.	CULVERT
d/b/a	DOING BUSINESS AS
E	ELECTRIC
FDN.	FOUNDATION
G.	GARAGE
G.M.	GAS MARKER
G.P.	GAS PUMPS
H.	HOUSE
ha	HECTARES
I.P.	IRON PIPE
L.C.	LAND CONTRACT
LT.	LEFT
L	LENGTH OF CURVE
L.C.	LONG CHORD
L.C.B.	LONG CHORD BEARING
M.H.	MANHOLE
m	METERS
MON.	MONUMENT
O.L.	OUTLOT
P.	PAGE
P.K.	PARKER-KALON
P.L.E.	PERMANENT LIMITED EASEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.L.	PROPERTY LINE
R	RADIUS
R.R.	RAILROAD
℞	REFERENCE LINE
R.D.E.	RESTRICTED DEVELOPMENT EASEMENT
RT.	RIGHT
R/W	RIGHT OF WAY
SEC.	SECTION
S	SHED
S.T.H.	STATE TRUNK HIGHWAY
STA.	STATION
T	TANGENT LENGTH OF CURVE
TAV.	TAVERN
T.L.E.	TEMPORARY LIMITED EASEMENT
X	EAST COORDINATE (GRID)
Y	NORTH COORDINATE (GRID)



END RELOCATION ORDER
STA. 13+400.000
LOCATED 90.480 m (296.85') NORTH AND 206.348 m (676.99') EAST OF THE NORTHWEST CORNER OF SECTION 31, TOWNSHIP 19 NORTH, RANGE 17 EAST.

BEGIN RELOCATION ORDER
STA. 10+095.000
X = 727 570 (± 30 m)
Y = 229 355 (± 30 m)
LOCATED 1480.767 m (4,858.15') SOUTH AND 395.841 m (1,298.69') EAST OF THE NORTH ONE-QUARTER CORNER OF SECTION 1, TOWNSHIP 18 NORTH, RANGE 16 EAST.

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

LAYOUT
0 2 km
SCALE

TOTAL NET LENGTH OF REFERENCE LINE = 3.305 km (2.054 Miles)

PREPARED BY
AYRES ASSOCIATES
Engineers/Architects
Scientists/Surveyors
916 Willard Drive Suite 200
Green Bay, Wisconsin 54304

WISCONSIN JEFFREY KIP INMAN 8-1676 GREEN BAY WIS LAND SURVEYOR

DATE : Aug. 4, 1998

REVISION DATE	APPROVED FOR WINNEBAGO COUNTY
	AUG. 24, 1998 DATE — COUNTY HIGHWAY COMMISSIONER

WISDOT: MSHTSC

FILE NAME:
SCALE:
DATE:
PLOT NAME:
ORIGINATOR:
PROJECT NO:
FILE NAME:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL AREA	R/W AREA REQUIRED			TOTAL AREA REMAINING	HIGHWAY EASEMENT AREA	T.L.E. AREA
					NEW	EXISTING	TOTAL			
1	4.3	CHARLES AND LORRAINE FERNAU	FEE & CONSTRUCTION PERMIT	144,311 SQ. m (1,553,350 S. F.)	67 SQ. m (721 S. F.)	----	67 SQ. m (721 S. F.)	144,244 SQ. m (1,552,629 S.F.)	----	----
2	4.3	JAMES M. NOFFKE	FEE & CONSTRUCTION PERMIT	161,874 SQ. m (1,742,400 S.F.)	140 SQ. m (1,507 S.F.)	----	140 SQ. m (1,507 S.F.)	161,734 SQ. m (1,740,893 S.F.)	----	----
3	4.3	MARY A. ARTS	FEE & CONSTRUCTION PERMIT	6,732 SQ. m (72,459 S.F.)	58 SQ. m (624 S.F.)	----	58 SQ. m (624 S.F.)	6,674 SQ. m (71,835 S.F.)	----	----
4	4.3	MILTON G. AND WENDY G. SCHAFER	FEE	2,125 SQ. m (22,878 S.F.)	63 SQ. m (678 S.F.)	----	63 SQ. m (678 S.F.)	2,062 SQ. m (22,200 S.F.)	----	----
5	4.3	TIM W. WENZLAFF	FEE & CONSTRUCTION PERMIT	3,242 SQ. m (34,900 S.F.)	148 SQ. m (1,593 S.F.)	----	148 SQ. m (1,593 S.F.)	3,094 SQ. m (33,307 S.F.)	----	----
6	4.3,4.4	C.R. MEYER AND SONS CO.	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
7	4.3,4.4	CITY OF OSHKOSH	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
8	4.3,4.4	JANICE E. SCHIAVONE	FEE & CONSTRUCTION PERMIT	1,857 SQ. m (19,989 S.F.)	8 SQ. m (86 S.F.)	----	8 SQ. m (86 S.F.)	1,849 SQ. m (19,903 S.F.)	----	----
9	4.4	CARROLL BETTS	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
10	4.4	RICHARD AND BARBARA SCHIM	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
11	4.4	TODD AND BRENDA SEEFELD	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
12	4.4	BRUCE AND VICKI HAGIE	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
13	4.4	THOMAS A. COATES	FEE & CONSTRUCTION PERMIT	892 SQ. m (9,600 S.F.)	9 SQ. m (97 S.F.)	----	9 SQ. m (97 S.F.)	883 SQ. m (9,503 S.F.)	----	----
14	4.4	ELDON E. AND MARY E. LEE-VENDOR STEVEN LEE-PURCHASER	FEE & CONSTRUCTION PERMIT	1,632 SQ. m (17,570 S.F.)	14 SQ. m (151 S.F.)	----	14 SQ. m (151 S.F.)	1,618 SQ. m (17,419 S.F.)	----	----
15	4.4	JOHN N. TERRY	FEE & CONSTRUCTION PERMIT	2,453 SQ. m (26,400 S.F.)	16 SQ. m (172 S.F.)	----	16 SQ. m (172 S.F.)	2,437 SQ. m (26,228 S.F.)	----	----
16	4.4	RICHARD NONWEILER	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
17	4.4	ASSOCIATES INVESTORS, A GENERAL PARTNERSHIP	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
18	4.4	RICHARD AND PAT BRAASCH	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
19	4.4	DONALD AND DELORES ROBINSON	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
20	4.4	HAROLD AND PAMELA SALZER	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
21	4.4	PINE INVESTMENTS	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
22	4.4	MADDAM AERIALS CORPORATION	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
23	4.4	RICHARD J. VANLANEN	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
24	4.4	FREDERICK W. AND DEBRA A. LIGHTNER	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
25	4.4	DIANE M. SWEET	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
26	4.4,4.5	EDWARD AND CYNTHIA CLEMENTS	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
27	4.4,4.5	KIP A. JACOBSON	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
28	4.4,4.5	GORDON E. AND GERALDINE R. MILLER	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
29	4.5	PAUL E. III AND KRISTIE L. REDEMANN	FEE AND T.L.E.	31,404 SQ. m (338,026 S.F.)	248 SQ. m (2,669 S.F.)	----	248 SQ. m (2,669 S.F.)	31,156 SQ. m (335,357 S.F.)	----	1,977 SQ. m (21,280 S.F.)
30	4.5	DONALD G. AND MARY E. DOBISH	FEE & CONSTRUCTION PERMIT	100,848 SQ. m (1,085,515 S.F.)	1119 SQ. m (12,045 S.F.)	----	1119 SQ. m (12,045 S.F.)	99,729 SQ. m (1,073,460 S.F.)	----	----
31	4.5	PAUL E. REDEMANN	FEE & CONSTRUCTION PERMIT	7,559 SQ. m (81,369 S.F.)	47 SQ. m (506 S.F.)	----	47 SQ. m (506 S.F.)	7,512 SQ. m (80,863 S.F.)	----	----
32	4.5	STATE OF WISCONSIN, DEPTARTMENT OF SOCIAL SERVICES	HIGHWAY EASEMENT AND CONSTRUCTION PERMIT	----	----	----	----	----	49 SQ. m (527 S.F.)	----
33	4.5,4.6,4.7	FOX RIVER VALLEY RAILROAD CORPORATION	HIGHWAY EASEMENT AND CONSTRUCTION PERMIT	----	----	----	----	----	32 SQ. m (344 S.F.)	----
34	4.5,4.6,4.7	STATE OF WISCONSIN, STATE DEPARTMENT OF PUBLIC WELFARE	HIGHWAY EASEMENT AND CONSTRUCTION PERMIT	----	----	----	----	----	28 SQ. m (301 S.F.)	----
35	4.6	ASSOCIATED BANK NATIONAL ASSOCIATION	FEE & CONSTRUCTION PERMIT	2,153 SQ. m ± (23,175 S.F.)	59 SQ. m (635 S.F.)	----	59 SQ. m (635 S.F.)	2,094 SQ. m ± (22,540 S.F.)	----	----
36	4.6	ELMER TERHORST	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
37	4.6	GERALD THORSON	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
38	4.6	ELMER TERHORST	CONSTRUCTION PERMIT	----	----	----	----	----	----	----

REVISION DATE 09-09-1998

DATE 08-24-1998

HIGHWAY: C.T.H. "A"

COUNTY: WINNEBAGO

FEDERAL PROJECT NO: 4994-00-00

STATE R/W PROJECT NO:

SHEET NO: 4.2 M

WisDOT: MSRT62

PEN TABLE = ±plot72±lgser±mv80pp.tbl
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PLOT NA
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ORIGINATOR: JPZ
PROJECT NO: 44-0234
DATE: 12/24/96
PLOT NAME:
FILE NAME:
SCALE:

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	TOTAL AREA	R/W AREA REQUIRED			TOTAL AREA REMAINING	HIGHWAY EASEMENT AREA	T.L.E. AREA
					NEW	EXISTING	TOTAL			
39	4.6	NORTH SHORE MANOR APARTMENTS	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
40	4.7	HERBERT SALZSIEDER	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
41	4.7	MARK F. AND KRISTEN SALZSIEDER	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
42	4.7	JAMES CLARK	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
43	4.7	DAVID AND JENNICE BREARLEY	CONSTRUCTION PERMIT	----	----	----	----	----	----	----
44	4.7	SHARON G. BREARLEY	FEE & CONSTRUCTION PERMIT	2,711 SQ. m (29,185 S.F.)	14 SQ. m (151 S.F.)	----	14 SQ. m (151 S.F.)	2,697 SQ. m (29,134 S.F.)	----	----
45	4.7	LAKEVIEW LIMITED PARTNERSHIP	FEE & CONSTRUCTION PERMIT	944 SQ. m (10,162 S.F.)	5 SQ. m (54 S.F.)	----	5 SQ. m (54 S.F.)	939 SQ. m (10,108 S.F.)	----	----
46	4.3	CITY OF OSHKOSH	RELEASE	----	----	----	----	----	----	----
47	4.3,4.6,4.7	AMERITECH	RELEASE	----	----	----	----	----	----	----
48	4.5	WISCONSIN PUBLIC SERVICE CORPORATION	RELEASE	----	----	----	----	----	----	----
49	4.4	NEIL O. AND LORETTA ZIEBELL-VENDOR STEVEN E. LEE-PURCHASER	FEE & CONSTRUCTION PERMIT	1,784 SQ. m (19,200 S.F.)	12 SQ. m (129 S.F.)	----	12 SQ. m (129 S.F.)	1,772 SQ. m (19,071 S.F.)	----	----
50										

ORIGINATOR: JPZ
PROJECT NO: 44-0234
DATE: 12/24/96
PLOT NAME:
FILE NAME:
SCALE:
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
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DATE OF PLOT = 10/15/98
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REVISION DATE 07-21-1998 09-09-1998 NC	DATE 08-24-1998		HIGHWAY: C.T.H. "A"	FEDERAL PROJECT NO: 4994-00-00	
			COUNTY: WINNEBAGO	STATE R./W PROJECT NO:	SHEET NO: 4.3 M

CITY

TOWN

T 18 N R 16 E 12 1

LEGEND

T.I. (CONSTRUCTION PERMIT) REQ'D.

N

SW-SE 1-18-16

NW-SE 1-18-16

C.T.H. "AA"

ADVOCAP, INC. BUILDING

SIGN

OF

EMRO MARKETING CO.

SIGN

SL

C.T.H. "A" BOWEN STREET

HOUSE

SHED

STANLEY KELLENBERGER

OSHKOSH

CHARLES AND LORRAINE FERNAU (1)

OF

HOUSE

BUILDING +095

2 m (6.56') +115

10+000

℄ BEARING N00°13'57"E 10+200

EXISTING R/W

EXISTING R/W

+200 SV +230

WELL

HO.

BARN

BEGIN RELOCATION ORDER
STA. 10+095.000

C.T.H. "A" R/W CONSTRUCTION

JAMES M. NOFFKE (2)

EASEMENT
WISCONSIN PUBLIC SERVICE CORPORATION
VOL. 378 PAGE 71 (48)

SE-SE 1-18-16

SHADOW LANE CURVE DATA

P.I.	2+022.479
△	= 27°25'28"
T	= 22.479 m (73.75')
L	= 44.786 m (146.93')
E	= 1.206 m (3.96')
R	= 208.923 m (685.44')
P.C.	2+000.000
P.T.	2+044.786
L.C.B.	=N59°55'08"E
L.C.	=44.700 m (146.65')

OSHKOSH

C. R. MEYER AND SONS CO. (6)

STA. 10+464.880 C.T.H. "A"=
STA. 2+000.000 SHADOW LANE

P.I.

MARY A. ARTS (3)

N09°58'24"W 20.321 m (66.67')

N89°45'04"W 10.400 m (34.12')

N00°13'56"E 40.000 m (131.23')

N00°13'56"E 20.000 m (65.62')

N10°27'21"E 20.324 m (66.68')

S89°46'04"E 10.394 m (34.10')

N00°13'56"E 88.380 m (289.96')

HOUSE

WELL

WS

WV

CITY OF OSHKOSH (7)

P.I.

BUILDING

10+400

N00°13'56"E 1086.125 m (3565.36') TO NORTH LINE OF SECTION 1

N89°30'26"E 7.501 m (24.62')

50 mm SV

N31°11'07"E 6.078 m (19.94')

1+019.541

1+988.788 m

22.27' HOUSE

+535

N57°23'43"W 24.181 m (79.33')

JANICE E. SCHIAVONE (8)

SHADOW LANE

AMERITECH (47)

S89°45'04"E 9.916 m (31.87')

N02°47'24"E 40.039 m (131.36')

N00°13'56"E 34.184 m (112.15')

S89°30'26"W 7.499 m (24.60')

HOUSE

N27°09'49"E 16.895 m (55.43')

N31°27'55"E 12.926 m (42.41')

HOUSE

N30°14'52"W 7.421 m (24.35')

GARAGE

SEWER EASEMENT (46)
CITY OF OSHKOSH
DOCUMENT 982212
DOCUMENT 958378

MILTON G. AND WENDY G. SCHAFER (4)

STA. 10+370.594 C.T.H. "A"=
STA. 1+000.000 MAC ARTHUR LANE

TIM W. WENZLAFF (5)

BAY VIEW PARK SUBDIVISION

OF

NE-SE 1-18-16

EXISTING R/W & BEARING N89°30'26"E

EXISTING R/W

MAC ARTHUR LANE

OSHKOSH

T 18 N R 16 E 12 17 6

REVISION DATE 09-09-1998	DATE 08-24-1998	SCALE, METERS 0 50 100	HWY: C.T.H. "A"	FEDERAL PROJECT NO:	
	GRID FACTOR		COUNTY: WINNEBAGO	STATE R/W PROJECT NO: 4994-00-00	SHEET NO: 4A M

ORIGINATOR:
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

FILE NAME:

WISDOT: MSH175

TOWN

OF

CITY

OF

OSHKOSH

LEGEND

T.I. (CONSTRUCTION PERMIT) REQ'D.

T 18 N R 16 E 1

NW-SE 1-18-16

SW-NE 1-18-16

NW-NE 1-18-16

SE-NE 1-18-16

NE-SE 1-18-16

NE-NE 1-18-16

C. R. MEYER AND SONS CO. (6)

STA. 10+727.432 C.T.H. "A"= STA. 4+000.000 RIDGE LANE

STA. 10+644.131 C.T.H. "A"= STA. 3+000.000 MILLER LANE

BUILDING

CITY OF OSHKOSH (7)

RICHARD NONWEILER (16)

ASSOCIATED INVESTORS, A GENERAL PARTNERSHIP (17)

PINE INVESTMENTS (21)

MADDAM AERIALS CORPORATION (22)

DIANE M. SWEET (25)

EDWARD AND CYNTHIA CLEMENTS (26)

CLYDE W. SMITH

C.T.H. "A" R/W ℄ AND CONSTRUCTION ℄

STA. 11+021.054 C.T.H. "A"= STA. 6+000.000 DRIFTWOOD LANE

JANICE E. SCHIAVONE (8)

CARROLL BETTS (9)

RICHARD AND DEBRA SCHIM (10)

TODD AND BRENDA SEEFELD (11)

BRUCE AND VICKI HAGIE (12)

THOMAS A. COATES (13)

JOHN N. TERRY (15)

DONALD AND DELORES ROBINSON (19)

HAROLD AND PAMELA SALZER (20)

JOSEPH ZMOLIEK (23)

RICHARD AND PAT BRAASCH (18)

RICHARD J. VANLANEN (23)

FREDERICK W. AND DEBRA A. LIGHTNER (24)

KIP A. JACOBSON (27)

GORDON E. AND GERALDINE R. MILLER (28)

STA. 10+777.542 C.T.H. "A"= STA. 5+000.000 KEENVILLE AVENUE

BAY VIEW PARK SUBDIVISION

ASSESSOR'S PLAT NO. TOWN OF OSHKOSH

ELDON E. AND MARY E. LEE-VENDOR (14)
STEVEN E. LEE-PURCHASER

NEIL O. AND LORETTA E. ZIEBELL-VENDOR (49)
STEVEN E. LEE-PURCHASER

KEENVILLE AVE.

MILLER LANE

RIDGE LANE

DRIFTWOOD LANE

EXISTING R/W

℄ BEARING N00°13'57"E

10+600 10+800 11+000 11+200

REVISION DATE 09-09-1998	DATE 08-24-1998	SCALE, METERS 0 50 100	HWY: C.T.H. "A"	FEDERAL PROJECT NO:
	GRID FACTOR		COUNTY: WINNEBAGO	STATE R/W PROJECT NO: 4994-00-00

SHEET NO: 4.5 M

ORIGINATOR:

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

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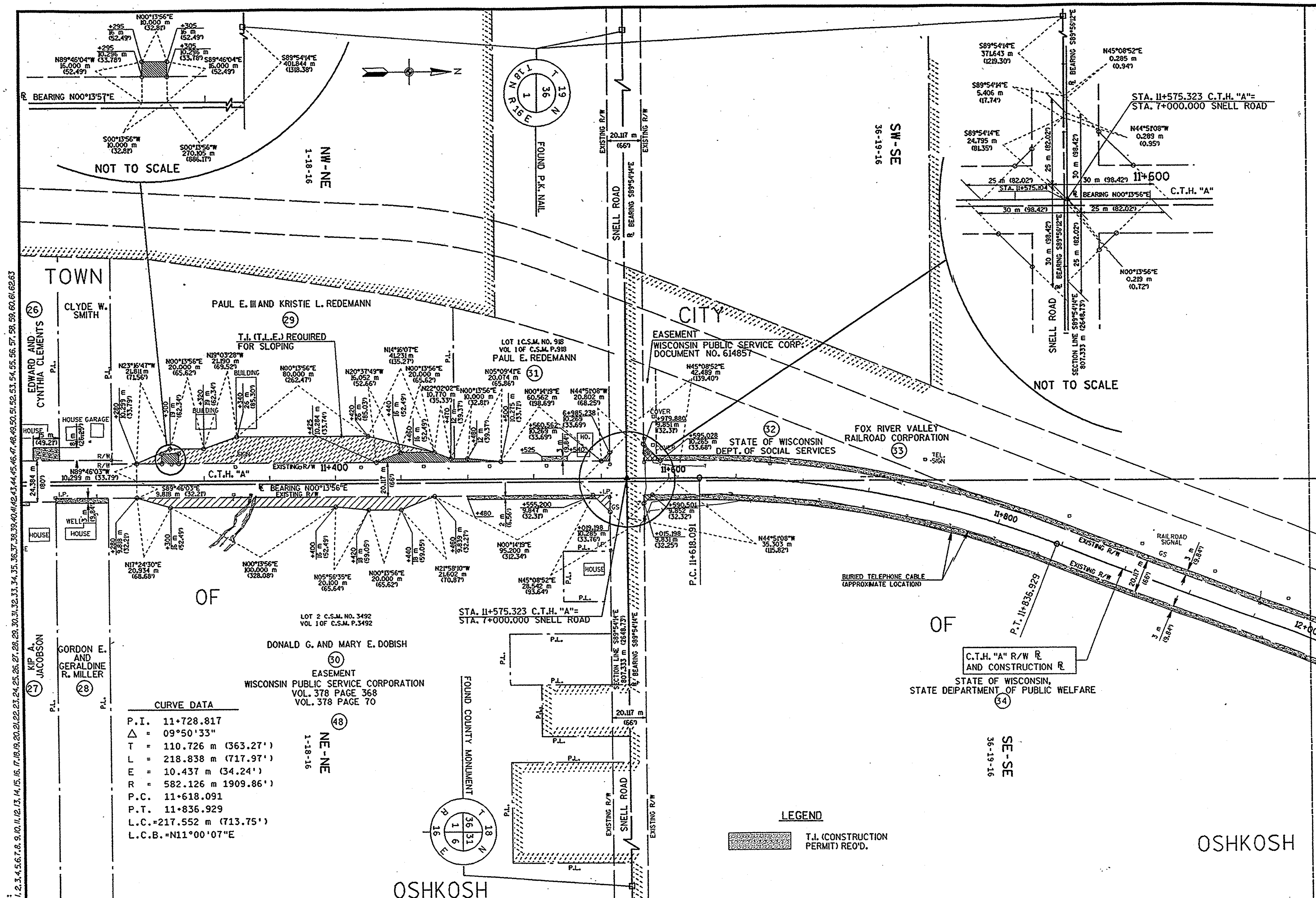
NOT TO SCALE
BEARING N00°13'57"E
FOUND P.K. NAIL
NW-NE
1-18-16
SW-SE
36-19-16
SNELL ROAD
EXISTING R/W
20.117 m
(66')
STA. 11+575.323 C.T.H. "A"=
STA. 7+000.000 SNELL ROAD
C.T.H. "A"
11+600
NOT TO SCALE
TOWN
OF
CITY
OF
OSHKOSH
CLYDE W. SMITH
26
EDWARD AND CYNTHIA CLEMENTS
PAUL E. III AND KRISTIE L. REDEMANN
29
T.I. (T.L.E.) REQUIRED FOR SLOPING
LOT 1 C.S.M. NO. 918
VOL 1 OF C.S.M. P.918
PAUL E. REDEMANN
31
EASEMENT
WISCONSIN PUBLIC SERVICE CORP.
DOCUMENT NO. 614857
STATE OF WISCONSIN DEPT. OF SOCIAL SERVICES
32
FOX RIVER VALLEY RAILROAD CORPORATION
33
11+400
11+800
12+000
P.C. 11+618.091
P.T. 11+836.929
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
RAILROAD SIGNAL
C.T.H. "A" R/W ℄ AND CONSTRUCTION ℄
STATE OF WISCONSIN, STATE DEPARTMENT OF PUBLIC WELFARE
34
SE-SE
36-19-16
KIP A. JACOBSON
27
GORDON E. AND GERALDINE R. MILLER
28
LOT 2 C.S.M. NO. 3492
VOL 1 OF C.S.M. P.3492
DONALD G. AND MARY E. DOBISH
30
EASEMENT
WISCONSIN PUBLIC SERVICE CORPORATION
VOL. 378 PAGE 368
VOL. 378 PAGE 70
48
NE-NE
1-18-16
FOUND COUNTY MONUMENT
HOUSE
HOUSE GARAGE
BUILDING
WELL
CURVE DATA
P.I. 11+728.817
△ = 09°50'33"
T = 110.726 m (363.27')
L = 218.838 m (717.97')
E = 10.437 m (34.24')
R = 582.126 m 1909.86')
P.C. 11+618.091
P.T. 11+836.929
L.C.=217.552 m (713.75')
L.C.B.=N11°00'07"E
LEGEND
T.I. (CONSTRUCTION PERMIT) REQ'D.
OSHKOSH

REVISION DATE 09-09-1998	DATE 08-24-1998	SCALE, METERS 0 50 100	HWY: C.T.H. "A"	FEDERAL PROJECT NO:		
	GRID FACTOR		COUNTY: WINNEBAGO	STATE R/W PROJECT NO: 4994-00-00	SHEET NO: 4.6	M

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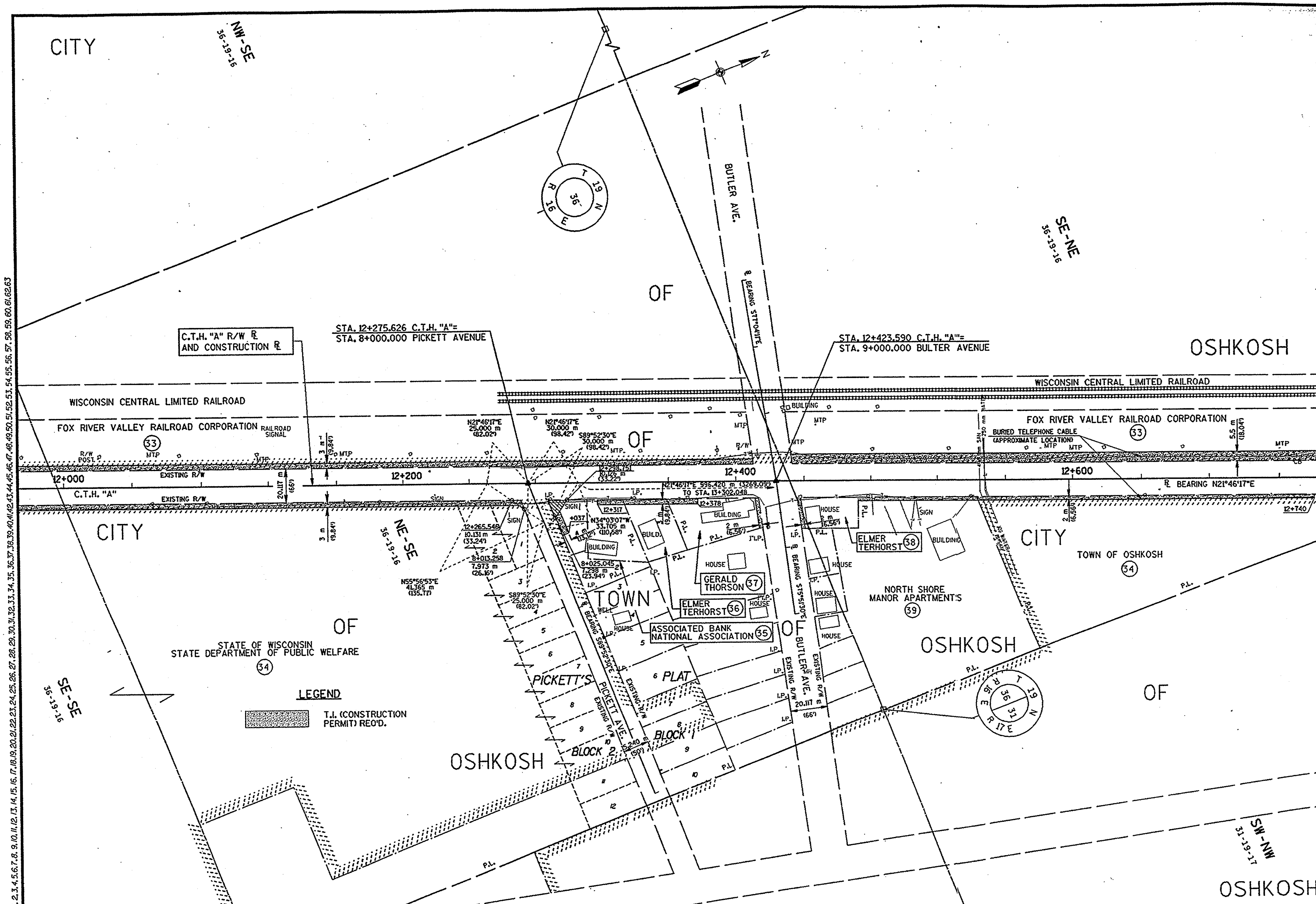

CITY OF OSHKOSH
NW-SE 36-19-16
SE-NE 36-19-16
NE-SE 36-19-16
SE-SE 36-19-16
SW-NW 31-19-17
T 19 N R 16 E 36
T 19 N R 17 E 36 31
BUTLER AVE.
C.T.H. "A" R/W ℄ AND CONSTRUCTION ℄
STA. 12+275.626 C.T.H. "A"= STA. 8+000.000 PICKETT AVENUE
STA. 12+423.590 C.T.H. "A"= STA. 9+000.000 BULTER AVENUE
WISCONSIN CENTRAL LIMITED RAILROAD
FOX RIVER VALLEY RAILROAD CORPORATION
33
EXISTING R/W
C.T.H. "A"
12+000
12+200
12+400
12+600
℄ BEARING N21°46'17"E
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
TOWN OF OSHKOSH
34
NORTH SHORE MANOR APARTMENTS
39
ELMER TERHORST 38
GERALD THORSON 37
ELMER TERHORST 36
ASSOCIATED BANK NATIONAL ASSOCIATION 35
STATE OF WISCONSIN STATE DEPARTMENT OF PUBLIC WELFARE
34
PICKETT'S PLAT
BLOCK 1
BLOCK 2
PICKETT AVE.
BUTLER AVE.
LEGEND
T.I. (CONSTRUCTION PERMIT) REQ'D.

REVISION DATE 09-09-1998	DATE 08-24-1998 / GRID FACTOR	SCALE, METERS 0 50 100	HWY: C.T.H. "A" / COUNTY: WINNEBAGO	FEDERAL PROJECT NO: / STATE R/W PROJECT NO: 4994-00-00 / SHEET NO: 4.7 M

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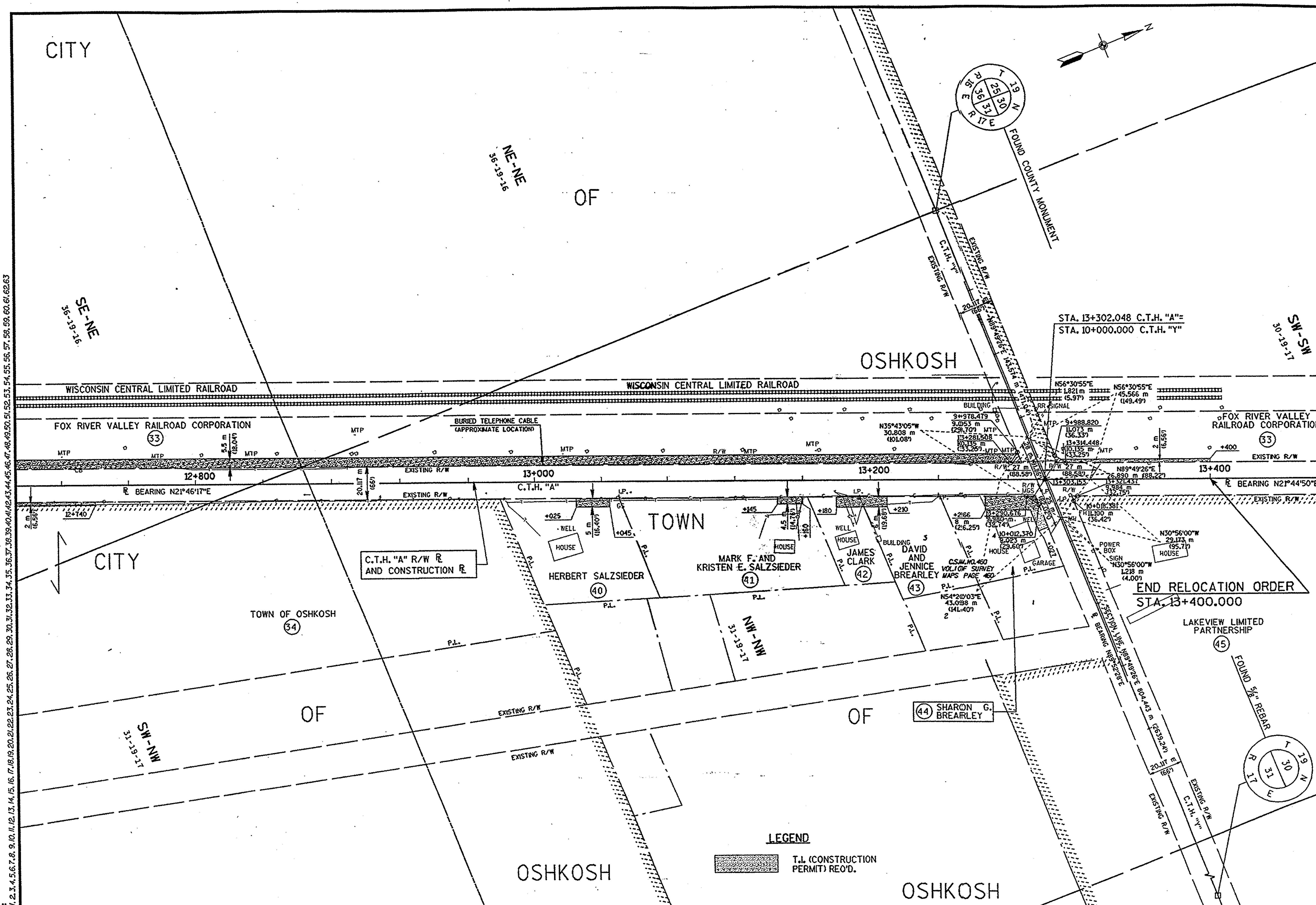
CITY
OF
OSHKOSH
NE-NE
36-19-16
SE-NE
36-19-16
SW-SW
30-19-17
SW-NW
31-19-17
NW-NW
31-19-17
CITY
TOWN
OF
OSHKOSH
TOWN OF OSHKOSH
34
OF
OF
OSHKOSH
FOUND COUNTY MONUMENT
T 19 N
R 16 E
R 17 E
25 30
36 31
STA. 13+302.048 C.T.H. "A"=
STA. 10+000.000 C.T.H. "Y"
WISCONSIN CENTRAL LIMITED RAILROAD
WISCONSIN CENTRAL LIMITED RAILROAD
FOX RIVER VALLEY RAILROAD CORPORATION
33
FOX RIVER VALLEY RAILROAD CORPORATION
33
BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)
EXISTING R/W
12+800
13+000
13+200
13+400
℄ BEARING N21°46'17"E
℄ BEARING N21°44'50"E
C.T.H. "A"
C.T.H. "A" R/W ℄
AND CONSTRUCTION ℄
C.T.H. "Y"
HERBERT SALZSIEDER
40
MARK F. AND
KRISTEN E. SALZSIEDER
41
JAMES
CLARK
42
DAVID
AND
JENNICE
BREARLEY
43
44 SHARON G.
BREARLEY
LAKEVIEW LIMITED
PARTNERSHIP
45
HOUSE
WELL
BUILDING
GARAGE
POWER BOX
SIGN
RR SIGNAL
C.S.M. NO. 460
VOL. 1 OF SURVEY
MAPS PAGE 460
N35°43'05"W
30.808 m
(101.08')
N56°30'55"E
1.821 m
(5.97')
N56°30'55"E
45.566 m
(149.49')
N89°49'26"E
26.890 m (88.22')
N54°20'03"E
43.098 m
(141.40')
N30°56'00"W
29.173 m
(95.71')
N30°56'00"W
1.218 m
(4.00')
20.117 m
(66')
END RELOCATION ORDER
STA. 13+400.000
SECTION LINE N89°49'26"E 804.443 m (2639.24')
℄ BEARING N89°52'28"E
FOUND 5/8" REBAR
T 19 N
R 17 E
30
31
LEGEND
T.L. (CONSTRUCTION PERMIT) REQ'D.

REVISION DATE 09-09-1998	DATE 08-24-1998	SCALE, METERS 0 50 100	HWY: C.T.H. "A"	FEDERAL PROJECT NO:		
	GRID FACTOR		COUNTY: WINNEBAGO	STATE R/W PROJECT NO: 4994-00-00	SHEET NO: 4.8	M

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

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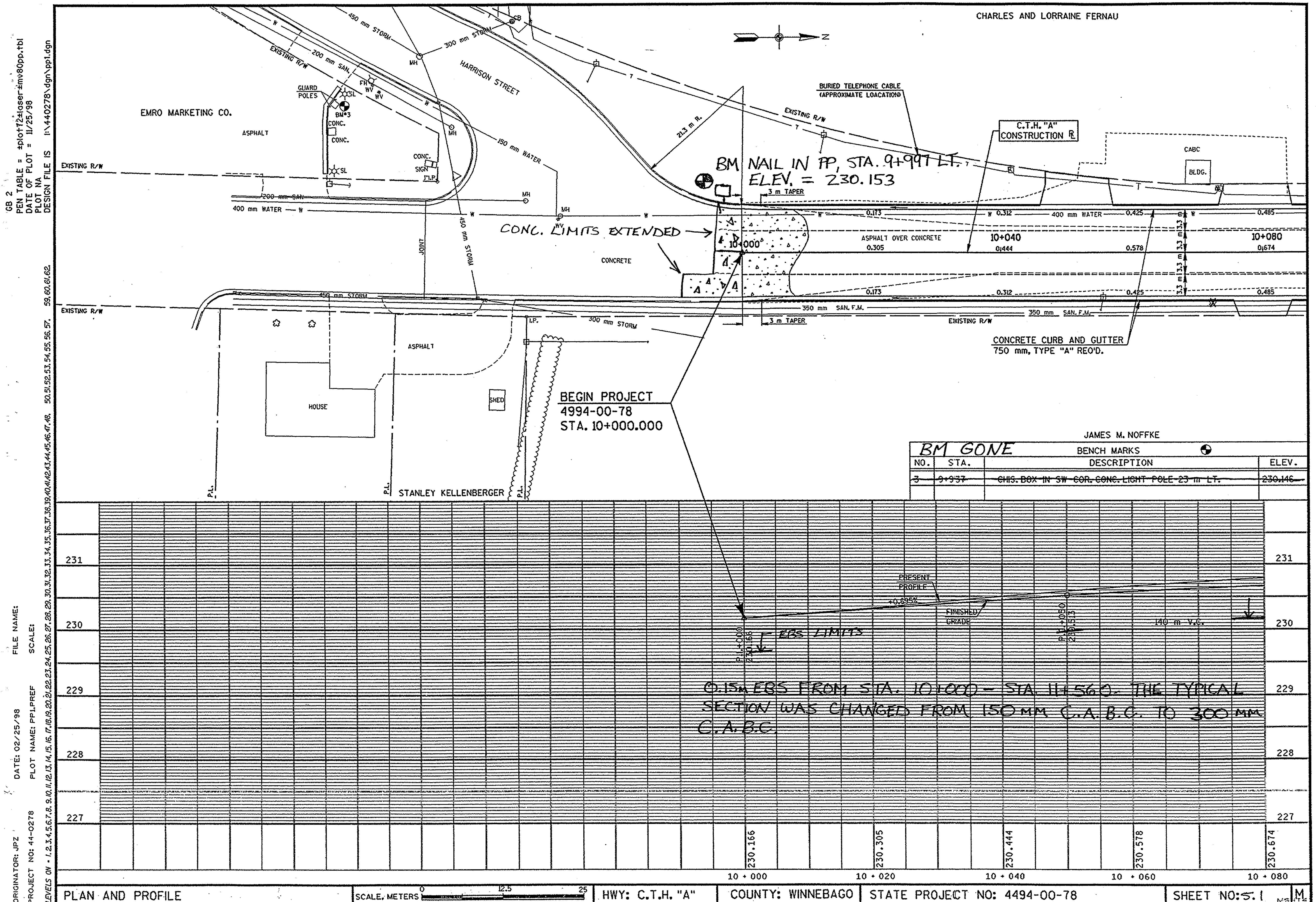
WISDOT: MSH775


CHARLES AND LORRAINE FERNAU
EMRO MARKETING CO.
HARRISON STREET
EXISTING R/W
450 mm STORM
300 mm STORM
200 mm SAN.
150 mm WATER
400 mm WATER
350 mm SAN. F.M.
300 mm STORM
GUARD POLES
BM#3
CONC.
ASPHALT
CONCRETE
BURIED TELEPHONE CABLE (APPROXIMATE LOACATION)
C.T.H. "A" CONSTRUCTION ℄
CABC
BLDG.
BM NAIL IN PP, STA. 9+997 LT.
ELEV. = 230.153
3 m TAPER
CONC. LIMITS EXTENDED
ASPHALT OVER CONCRETE
10+040
10+080
CONCRETE CURB AND GUTTER
750 mm, TYPE "A" REQ'D.
BEGIN PROJECT
4994-00-78
STA. 10+000.000
HOUSE
SHED
STANLEY KELLENBERGER
JAMES M. NOFFKE
PRESENT PROFILE
+0.695%
FINISHED GRADE
140 m V.C.
EBS LIMITS
0.15m EBS FROM STA. 10+000 - STA. 11+560. THE TYPICAL SECTION WAS CHANGED FROM 150 MM C.A.B.C. TO 300 MM C.A.B.C.
231
230
229
228
227
230.166
230.305
230.444
230.578
230.674
10 + 000
10 + 020
10 + 040
10 + 060
10 + 080
GB 2
PEN TABLE = :plot72:laser:mv80pp.tbl
DATE OF PLOT = 11/25/98
PLOT NA
DESIGN FILE IS I:\440278\dgn\pp1.dgn
ORIGINATOR: JPZ
PROJECT NO: 44-0278
DATE: 02/25/98
PLOT NAME: PP1.PREF
FILE NAME:
SCALE:

BM GONE

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
~~3~~	~~9+937~~	~~CHIS. BOX IN SW COR. CONC. LIGHT POLE 23 m LT.~~	~~230.146~~

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.1	M

WISDOT: MSHT42

GB 2
PEN TABLE = ±plot72±laser±mv80pp.tbl
DATE OF PLOT = 11/25/98
PLOT NA
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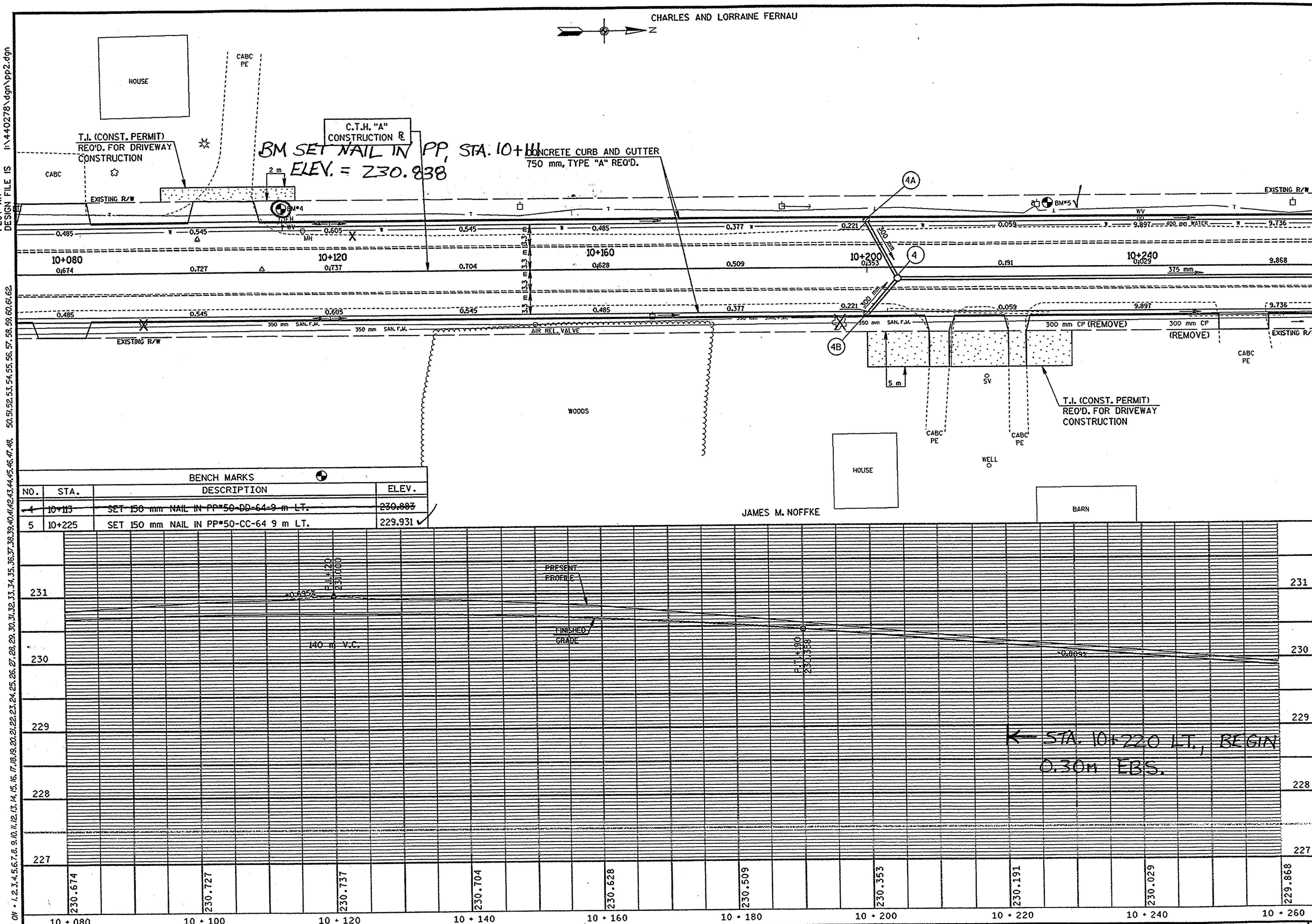


CHARLES AND LORRAINE FERNAU
N
HOUSE
CABC PE
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
C.T.H. "A" CONSTRUCTION ℄
BM SET NAIL IN PP, STA. 10+111
ELEV. = 230.838
CONCRETE CURB AND GUTTER 750 mm, TYPE "A" REQ'D.
CABC
2 m
EXISTING R/W
BM#4
MH
BM#5
4A
4
4B
10+080
10+120
10+160
10+200
10+240
375 mm
350 mm SAN. F.M.
AIR REL. VALVE
300 mm CP (REMOVE)
300 mm CP (REMOVE)
5 m
SV
WOODS
HOUSE
WELL
BARN
JAMES M. NOFFKE
PRESENT PROFILE
FINISHED GRADE
P.I. 10+120 231.000
+0.695%
140 m V.C.
P.T. 10+190 230.338
-0.809%
STA. 10+220 LT., BEGIN 0.30m EBS.
231
230
229
228
227
230.674
230.727
230.737
230.704
230.628
230.509
230.353
230.191
230.029
229.868
10 + 080
10 + 100
10 + 120
10 + 140
10 + 160
10 + 180
10 + 200
10 + 220
10 + 240
10 + 260

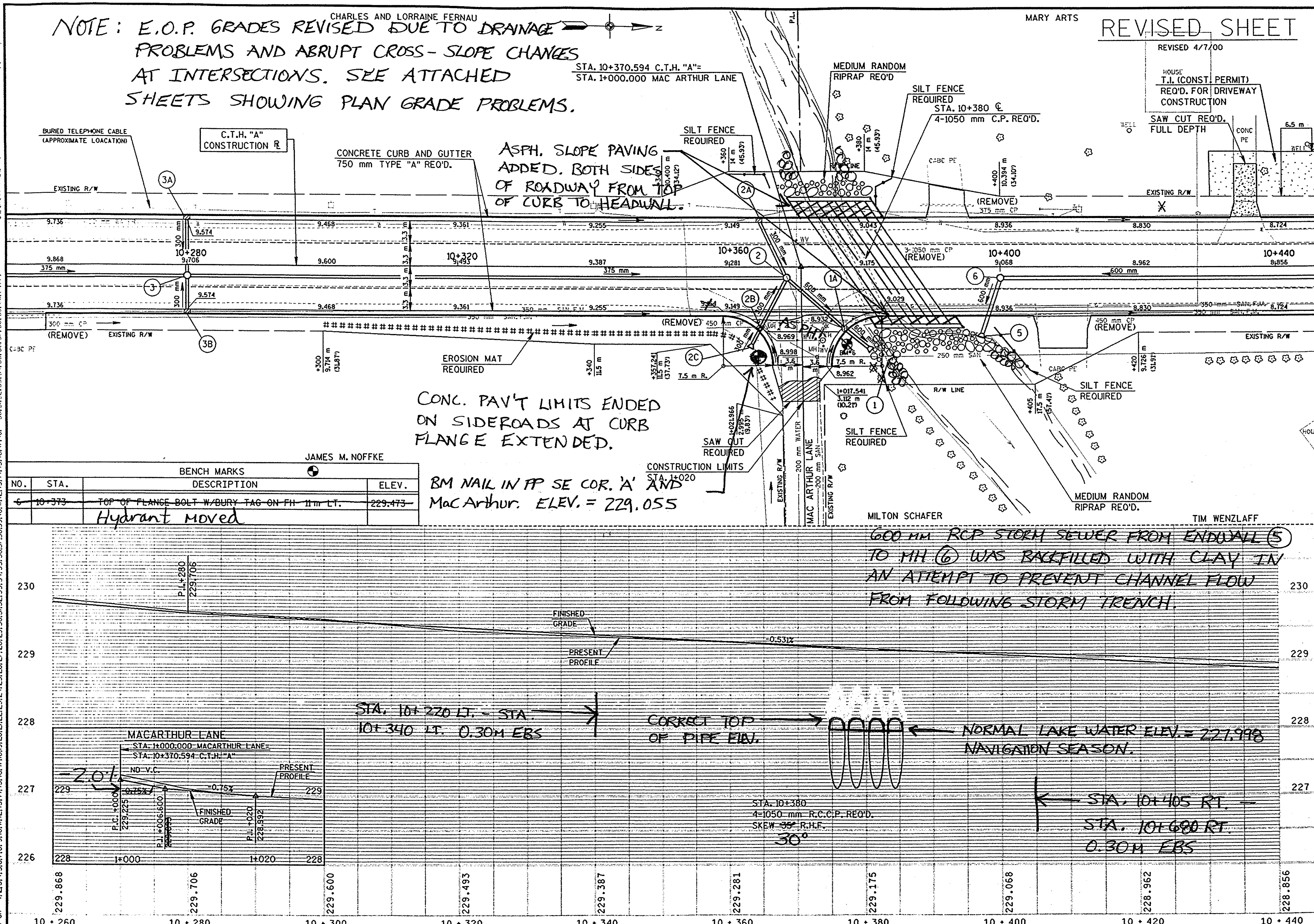
BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
~~4~~	~~10+113~~	~~SET 150 mm NAIL IN PP*50-DD-64-9 m LT.~~	~~230.883~~
5	10+225	SET 150 mm NAIL IN PP*50-CC-64 9 m LT.	229.931 ✓

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.2	M

ORIGINATOR: JPZ
PROJECT NO: 44-0278
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61,62
DATE: 2/25/98
PLOT NAME:
SCALE:
FILE NAME:

WISDOT: MSHT42


NOTE: E.O.P. GRADES REVISED DUE TO DRAINAGE PROBLEMS AND ABRUPT CROSS-SLOPE CHANGES AT INTERSECTIONS. SEE ATTACHED SHEETS SHOWING PLAN GRADE PROBLEMS.
CHARLES AND LORRAINE FERNAU
MARY ARTS
REVISED SHEET
REVISED 4/7/00
STA. 10+370.594 C.T.H. "A"=
STA. 1+000.000 MAC ARTHUR LANE
MEDIUM RANDOM RIPRAP REQ'D
SILT FENCE REQUIRED
STA. 10+380 ℄
4-1050 mm C.P. REQ'D.
HOUSE
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
SAW CUT REQ'D. FULL DEPTH
BURIED TELEPHONE CABLE (APPROXIMATE LOACATION)
C.T.H. "A" CONSTRUCTION ℞
CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
ASPH. SLOPE PAVING ADDED. BOTH SIDES OF ROADWAY FROM TOP OF CURB TO HEADWALL.
EXISTING R/W
(REMOVE) 375 mm CP
3-1050 mm CP (REMOVE)
10+280
10+320
10+360
10+400
10+440
300 mm CP (REMOVE)
EROSION MAT REQUIRED
(REMOVE) 450 mm CP
450 mm CP (REMOVE)
250 mm SAN
R/W LINE
SILT FENCE REQUIRED
CONC. PAV'T LIMITS ENDED ON SIDEROADS AT CURB FLANGE EXTENDED.
SAW CUT REQUIRED
CONSTRUCTION LIMITS STA. 1+020
MAC ARTHUR LANE
200 mm WATER
200 mm SAN
EXISTING R/W
MEDIUM RANDOM RIPRAP REQ'D.
JAMES M. NOFFKE
BM NAIL IN PP SE COR. 'A' AND MacArthur. ELEV. = 229.055
MILTON SCHAFER
TIM WENZLAFF
600 MM RCP STORM SEWER FROM ENDWALL (5) TO MH (6) WAS BACKFILLED WITH CLAY IN AN ATTEMPT TO PREVENT CHANNEL FLOW FROM FOLLOWING STORM TRENCH.
P.I. 10+280 229.706
FINISHED GRADE
PRESENT PROFILE
-0.531%
STA. 10+220 LT. - STA. 10+340 LT. 0.30M EBS
CORRECT TOP OF PIPE ELEV.
NORMAL LAKE WATER ELEV. = 227.998 NAVIGATION SEASON.
STA. 10+405 RT. - STA. 10+680 RT. 0.30M EBS
MACARTHUR LANE
STA. 1+000.000 MACARTHUR LANE=
STA. 10+370.594 C.T.H. "A"
NO V.C.
-2.01%
-0.75%
STA. 10+380
4-1050 mm R.C.C.P. REQ'D.
SKEW 35° R.H.F. 30°
229.868
229.706
229.600
229.493
229.387
229.281
229.175
229.068
228.962
228.856
10+260
10+280
10+300
10+320
10+340
10+360
10+380
10+400
10+420
10+440

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
~~6~~	~~10+373~~	~~TOP OF FLANGE BOLT W/BURY TAG ON FH 11 m LT.~~	~~229.473~~
		Hydrant Moved	

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.3

FILE NAME:
SCALE:
DATE:
PLOT NAME:
ORIGINATOR: DJD
PROJECT NO:

WisDOT: MSHT42

GB 2
PEN TABLE = \plot72\laser\mv80pp.tbl
DATE OF PLOT = 04/15/99
PLOT NA
DESIGN FILE IS I:\440278\dgn\pp3.dgn

CHARLES AND LORRAINE FERNAU

MARY ARTS

STA. 10+370.594 C.T.H. "A"=
STA. 1+000.000 MAC ARTHUR LANE

MEDIUM RANDOM
RIPRAP REQ'D

SILT FENCE
REQUIRED

STA. 10+380 ℄
4-1050 mm C.P. REQ'D.

T.I. (CONST. PERMIT)
REQ'D. FOR DRIVEWAY
CONSTRUCTION

SAW CUT REQ'D.
FULL DEPTH

BURIED TELEPHONE CABLE
(APPROXIMATE LOACATION)

C.T.H. "A"
CONSTRUCTION ℄

CONCRETE CURB AND GUTTER
750 mm TYPE "A" REQ'D.

SILT FENCE
REQUIRED

EXISTING R/W

R/W LINE

CABC PE

(REMOVE)
375 mm CP

3-1050 mm CP
(REMOVE)

(REMOVE)
450 mm CP

(REMOVE)
300 mm CP

EXISTING R/W

CABC PE

EROSION MAT
REQUIRED

SILT FENCE
REQUIRED

SAW CUT
REQUIRED

CONSTRUCTION LIMITS
STA. 1+020

MEDIUM RANDOM
RIPRAP REQ'D.

JAMES M. NOFFKE

MILTON SCHAFER

TIM WENZLAFF

MAC ARTHUR LANE

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
6	10+373	TOP OF FLANGE BOLT W/BURY TAG ON FH- 11m LT.	229.473

MACARTHUR LANE
STA. 1+000.000 MACARTHUR LANE=
STA. 10+370.594 C.T.H. "A"
NO V.C.
-0.75%
-0.53%
FINISHED GRADE
PRESENT PROFILE
P.V.I. +000 229.825
P.V.I. +006.600 229.775
P.V.I. +020 229.592

STA. 10+380
4-1050 mm R.C.C.P. REQ'D.
SKEW 35° R.H.F.

229.868		229.706		229.600	229.493	229.387	229.281	229.175	229.068	228.962	228.856
10+260	10+280		10+300	10+320	10+340	10+360	10+380	10+400	10+420	10+440	

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.3 M

WISDOT: MSHT42

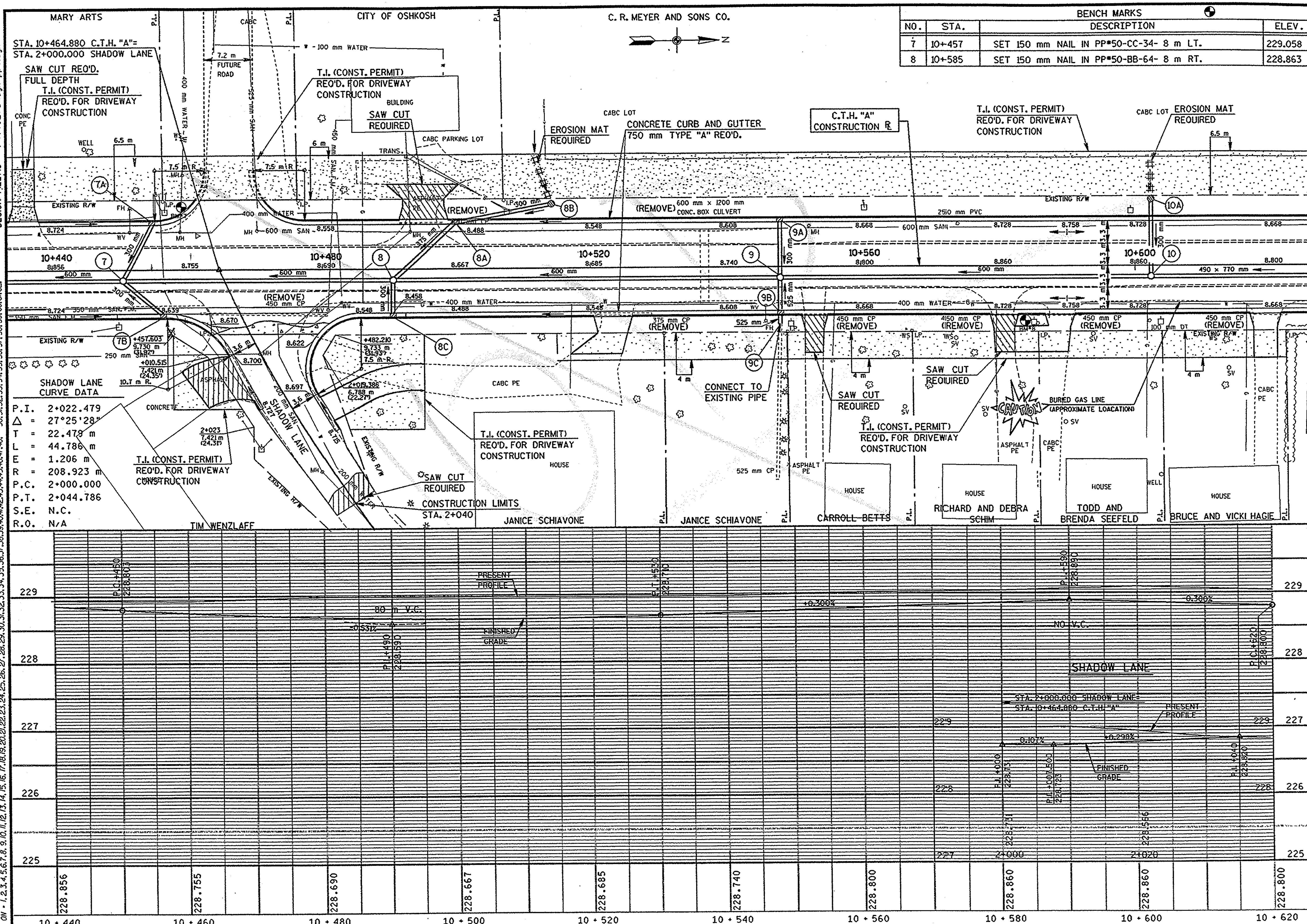
ORIGINATOR: DJD
PROJECT NO:
DATE:
PLOT NAME:
SCALE:
FILE NAME:

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,

GP 2
PEN TABLE = ±plot72±laser±mv80pp.tbl
DATE OF PLOT = 11/25/98
PLOT NA
DESIGN FILE IS i:\440278\dgn\pp4.dgn

NO.	STA.	DESCRIPTION	ELEV.
7	10+457	SET 150 mm NAIL IN PP#50-CC-34- 8 m LT.	229.058
8	10+585	SET 150 mm NAIL IN PP#50-BB-64- 8 m RT.	228.863

BENCH MARKS



MARY ARTS
CITY OF OSHKOSH
C. R. MEYER AND SONS CO.
STA. 10+464.880 C.T.H. "A"=
STA. 2+000.000 SHADOW LANE
SAW CUT REQ'D.
FULL DEPTH
T.I. (CONST. PERMIT)
REQ'D. FOR DRIVEWAY
CONSTRUCTION
FUTURE ROAD
SAW CUT
REQUIRED
CABC PARKING LOT
EROSION MAT
REQUIRED
CONCRETE CURB AND GUTTER
750 mm TYPE "A" REQ'D.
C.T.H. "A"
CONSTRUCTION ℄
EXISTING R/W
(REMOVE)
600 mm x 1200 mm CONC. BOX CULVERT
250 mm PVC
600 mm SAN
400 mm WATER
10+440
10+480
10+520
10+560
10+600
SHADOW LANE
CONNECT TO
EXISTING PIPE
BURIED GAS LINE
(APPROXIMATE LOACATION)
CAUTION
CONSTRUCTION LIMITS
STA. 2+040
HOUSE
TIM WENZLAFF
JANICE SCHIAVONE
CARROLL BETTS
RICHARD AND DEBRA SCHIM
TODD AND BRENDA SEEFELD
BRUCE AND VICKI HAGIE
PRESENT PROFILE
FINISHED GRADE
80 m V.C.
-0.531%
+0.300%
0.300%
NO V.C.
P.C. +450 228.803
P.I. +490 228.590
P.T. +530 228.710
P.I. +590 228.890
P.C. +620 228.800
STA. 2+000.000 SHADOW LANE=
STA. 10+464.880 C.T.H. "A"
0.107%
+0.298%
P.I. +000 228.731
P.I. +007.500 228.723
P.I. +040 228.820
2+000
2+020
229
228
227
226
225
228.856
228.755
228.690
228.667
228.685
228.740
228.800
228.860
228.860
228.800
10 + 440
10 + 460
10 + 480
10 + 500
10 + 520
10 + 540
10 + 560
10 + 580
10 + 600
10 + 620

SHADOW LANE CURVE DATA

P.I.	2+022.479
Δ =	27°25'28"
T =	22.479 m
L =	44.786 m
E =	1.206 m
R =	208.923 m
P.C.	2+000.000
P.T.	2+044.786
S.E.	N.C.
R.O.	N/A

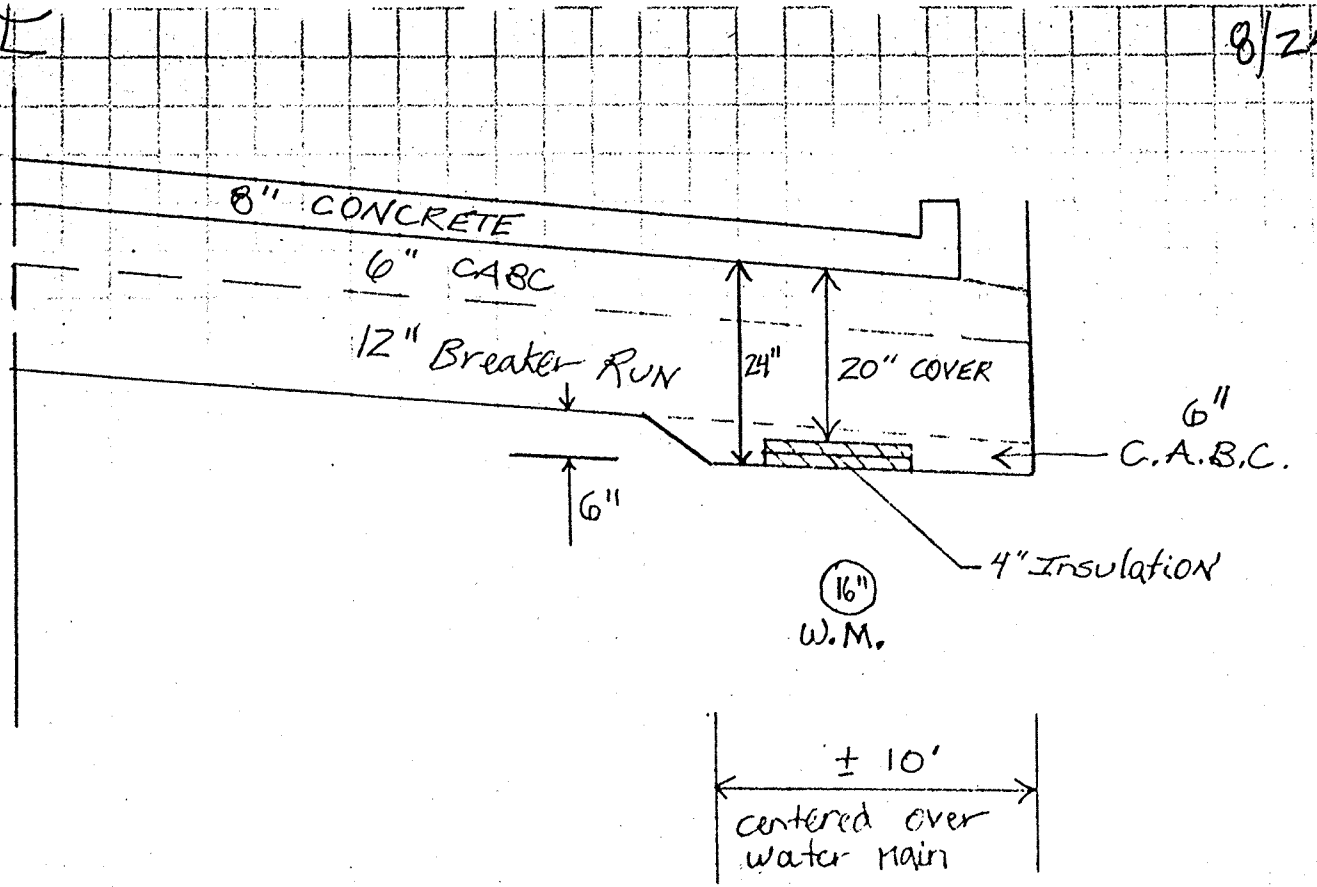
ORIGINATOR: JPZ
PROJECT NO: 440278
DATE: 02/25/98
PLOT NAME:
FILE NAME:
SCALE:
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61,62

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.4	M

WISDOT: MSHT42

8/24/00

DATE
CLIENT
PROJECT
PROJECT No.
BY
PAGE ___ OF ___



SHADOW LANE — MILLER LANE
STA. 10+500 — STA. 10+640

WATERMAIN INSULATION DETAIL

McMAHON ASSOCIATES, INC.
ENGINEERS ■ ARCHITECTS
PROJ. MGRS. ■ SURVEYORS
1445 McMAHON DRIVE/P.O. BOX 1025
NEENAH, WI 54956/57-1025
TEL: 920-751-4200 FAX: 920-751-4284
952 SOUTH STATE ROAD 2
VALPARAISO, IN 46383
TEL: 219-462-7743 FAX: 219-464-8248
6813 NORTH SECOND STREET
MACHESNEY PARK, IL 61115
TEL: 815-636-9590 FAX: 815-636-9591

McMAHON ASSOCIATES, INC.
ENGINEERS ■ ARCHITECTS
PROJ. MGRS. ■ SURVEYORS

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MACHESNEY PARK, IL 61115
TEL: 815-636-9590 FAX: 815-636-9591

DATE _____
CLIENT _____
PROJECT _____
PROJECT No. _____
BY _____ PAGE ____ OF ____

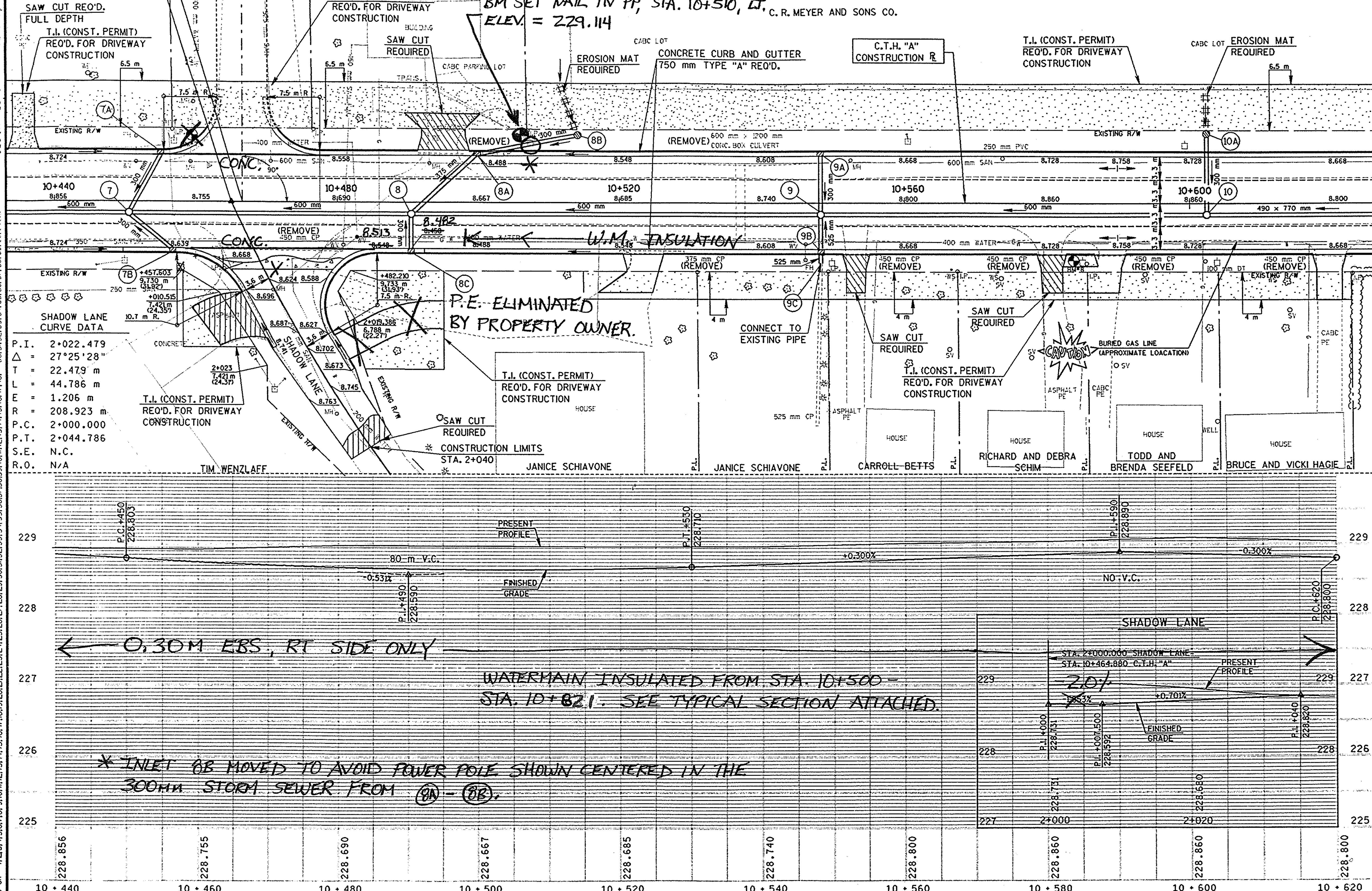
STA. 10+640 - STA. 10+821
STA. 11+100 - STA. 11+260

REVISED SHEET

REVISED 4/7/00

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
~~7~~	~~10+457~~	~~SET 150 mm NAIL IN PP#50-CC-34- 8 m LT.~~	~~229.058~~
8	10+585	SET 150 mm NAIL IN PP#50-BB-64- 8 m RT.	228.863



MARY ARTS
STA. 10+466.450 C.T.H. "A"= FUTURE ROAD
STA. 10+464.880 C.T.H. "A"= STA. 2+000.000 SHADOW LANE
SAW CUT REQ'D. FULL DEPTH
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
CITY OF OSHKOSH
FUTURE ROAD
SAW CUT REQUIRED
BM SET NAIL IN PP, STA. 10+510, LT. ELEV. = 229.114
C. R. MEYER AND SONS CO.
EROSION MAT REQUIRED
CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
C.T.H. "A" CONSTRUCTION ℄
EXISTING R/W
(REMOVE)
CONC.
W.M. INSULATION
10+440
10+480
10+520
10+560
10+600
SHADOW LANE CURVE DATA
P.I. 2+022.479
Δ = 27°25'28"
T = 22.479 m
L = 44.786 m
E = 1.206 m
R = 208.923 m
P.C. 2+000.000
P.T. 2+044.786
S.E. N.C.
R.O. N/A
P.E. ELIMINATED BY PROPERTY OWNER.
CONNECT TO EXISTING PIPE
SAW CUT REQUIRED
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
CAUTION
BURIED GAS LINE (APPROXIMATE LOACATION)
CONSTRUCTION LIMITS STA. 2+040
SHADOW LANE
HOUSE
TIM WENZLAFF
JANICE SCHIAVONE
JANICE SCHIAVONE
CARROLL BETTS
RICHARD AND DEBRA SCHIM
TODD AND BRENDA SEEFELD
BRUCE AND VICKI HAGIE
PRESENT PROFILE
FINISHED GRADE
80 m V.C.
-0.531%
+0.300%
-0.300%
NO V.C.
P.C.+450 228.803
P.I.+490 228.590
P.T.+530 228.710
P.I.+590 228.890
P.C.+620 228.800
0.30M EBS, RT SIDE ONLY
WATERMAIN INSULATED FROM STA. 10+500 - STA. 10+821. SEE TYPICAL SECTION ATTACHED.
* INLET 8B MOVED TO AVOID POWER POLE SHOWN CENTERED IN THE 300mm STORM SEWER FROM 8A - 8B.
STA. 2+000.000 SHADOW LANE
STA. 10+464.880 C.T.H. "A"
-2.0%
+0.701%
228.856
228.755
228.690
228.667
228.685
228.740
228.800
228.860
228.860
228.800
10 + 440
10 + 460
10 + 480
10 + 500
10 + 520
10 + 540
10 + 560
10 + 580
10 + 600
10 + 620

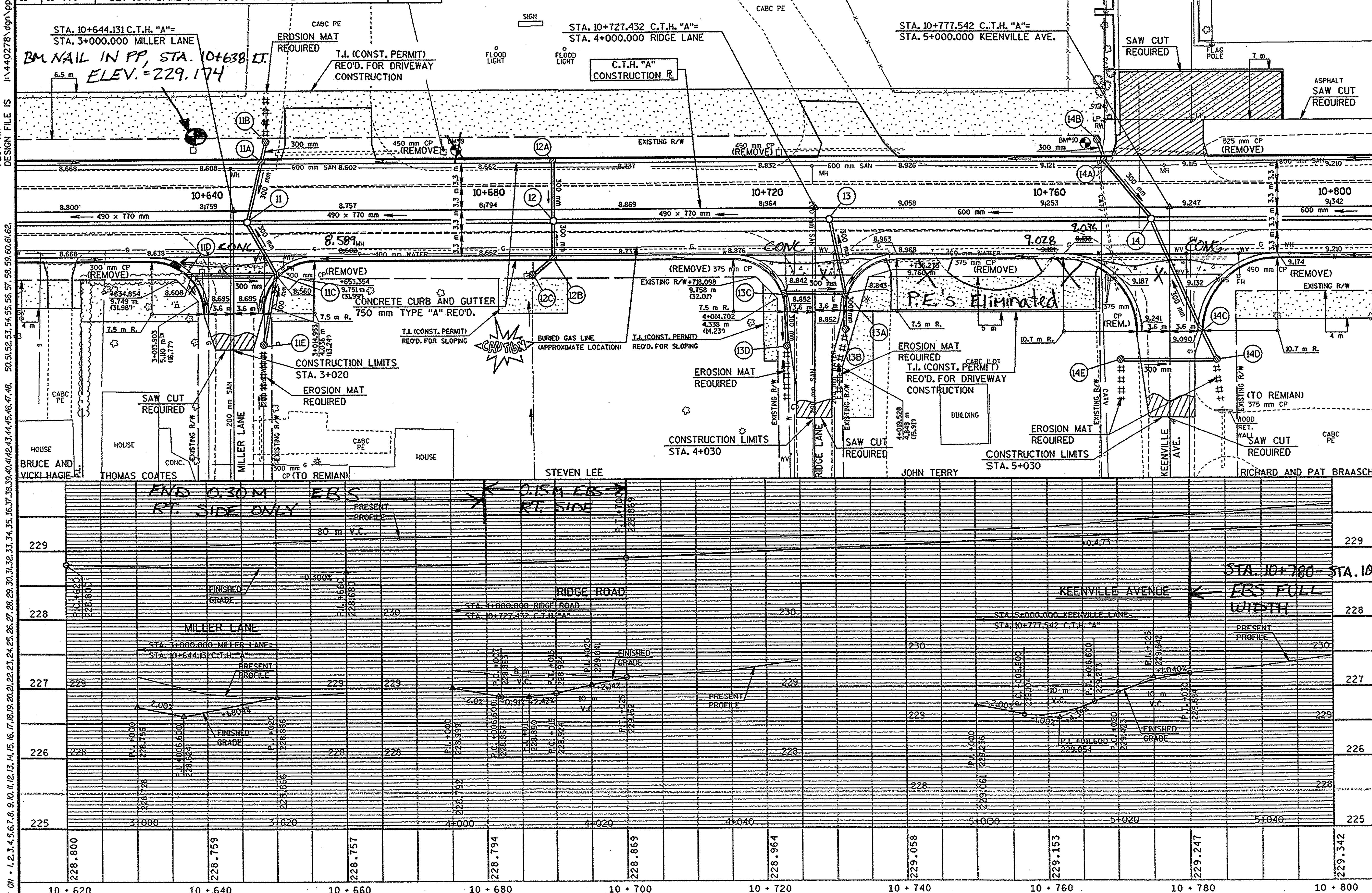
ORIGINATOR: JPZ
PROJECT NO: 440278
DATE: 02/25/98

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.4	M

GB 2
PEN TABLE = ±plot72±laser±mv80pp.tbl
DATE OF PLOT = 11/25/98
PLOT NA
DESIGN FILE IS I:\440278\dgn\pp5.dgn

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
~~9~~	~~10+674~~	~~SET 150 mm NAIL IN PP#50-CC-14- 8 m LT.~~	~~229.073~~
10	10+770	SET R/R SPIKE IN PP#50-DD-4- 8 m LT.	229.703



CABC PARKING LOT
CABC STORAGE AREA
RICHARD NONWEILER
ASSOCIATED INVESTORS, A GENERAL PARTNERSHIP
BUILDING
STA. 10+644.131 C.T.H. "A"= STA. 3+000.000 MILLER LANE
BM NAIL IN PP, STA. 10+638 LT. ELEV. = 229.174
EROSION MAT REQUIRED
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
STA. 10+727.432 C.T.H. "A"= STA. 4+000.000 RIDGE LANE
C.T.H. "A" CONSTRUCTION ℞
STA. 10+777.542 C.T.H. "A"= STA. 5+000.000 KEENVILLE AVE.
SAW CUT REQUIRED
FLAG POLE
ASPHALT SAW CUT REQUIRED
FLOOD LIGHT
SIGN
EXISTING R/W
450 mm CP (REMOVE)
525 mm CP (REMOVE)
600 mm SAN
490 x 770 mm
400 mm WATER
10+640
10+680
10+720
10+760
10+800
CONC.
CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
T.I. (CONST. PERMIT) REQ'D. FOR SLOPING
CAUTION
BURIED GAS LINE (APPROXIMATE LOCATION)
P.E.'s Eliminated
CONSTRUCTION LIMITS STA. 3+020
CONSTRUCTION LIMITS STA. 4+030
CONSTRUCTION LIMITS STA. 5+030
(TO REMIAN) 375 mm CP
WOOD RET. WALL
HOUSE
BRUCE AND VICKI HAGIE
THOMAS COATES
MILLER LANE
STEVEN LEE
RIDGE LANE
JOHN TERRY
KEENVILLE AVE.
RICHARD AND PAT BRAASCH
END 0.30 M EBS RT. SIDE ONLY
0.15 M EBS RT. SIDE
PRESENT PROFILE
80 m V.C.
FINISHED GRADE
MILLER LANE
RIDGE ROAD
KEENVILLE AVENUE
STA. 10+780 - STA. 10+880 EBS FULL WIDTH
229
228
227
226
225
228.800
228.759
228.757
228.794
228.869
228.964
229.058
229.153
229.247
229.342
10 + 620
10 + 640
10 + 660
10 + 680
10 + 700
10 + 720
10 + 740
10 + 760
10 + 780
10 + 800

FILE NAME:
SCALE:
DATE: 02/25/98
PLOT NAME: PP5.PRF
ORIGINATOR: JPZ
PROJECT NO: 440278
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61,62

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.5	M

WISDOT: MSHT42

GB 2
PEN TABLE = ±plot72±laser±mv80pp.tbl
DATE OF PLOT = 11/25/98
PLOT NA
DESIGN FILE IS I:\440278\dgn\pp6.dgn

ASSOCIATED INVESTORS, A GENERAL PARTNERSHIP

BUILDING

N

BURIED TELEPHONE CABLE (APPROXIMATE LOACATION)

(TO REMAIN) 750 mm RCP

ASPHALT

SAW CUT REQUIRED

EXISTING R/W

MH ADDED (SEE DETAIL)

CONCRETE

ASPHALT

450 mm CP (REMOVE)

600 mm SAN

600 mm CP (REMOVE)

C.T.H. "A" CONSTRUCTION ℄

SV

SIGN

SAW CUT REQUIRED

SAW CUT REQUIRED

6 m

BM#11

450 mm CP (REMOVE)

EROSION MAT REQUIRED

P.I.

EXISTING R/W

600 mm SAN

15A 15C 15 15B 16C 16B 16A 16 16D 17B 17A 17 17C

9.210 9.304 9.399 9.493 9.588 9.683 9.777 9.872 9.966 0.061

10+800 9.342 10+840 9.531 10+880 9.720 10+920 9.909 10+960 0.098

0.004 0.193

600 mm 375 mm

W.M. INSULATION

400 mm WATER

100 mm GAS

375 mm CP (REMOVE)

200 mm SAN

CONCRETE CURB AND GUTTER 750 mm TYPE "A" REO'D.

4 m

CABC PE

CAUTION

BURIED GAS LINE (APPROXIMATE LOACATION)

T.I. (T.L.E.) REQ'D. FOR DRIVEWAY CONSTRUCTION

RICHARD AND PAT BRAASCH

DONALD AND DELORES ROBINSON

HAROLD AND PAMELA SALZER

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
11	10+927	SET 150 mm NAIL IN PP#30-HH-64- 12 m LT.	229.878

PRESENT PROFILE

FINISHED GRADE

-0.473%

END ERS FULL WIDTH

EBS RT. SIDE STA. 10+880 - 10+940

230 229 228 227 226

229.342 229.436 229.531 229.625 229.720 229.815 229.909 230.004 230.098 230.193

10 + 800 10 + 820 10 + 840 10 + 860 10 + 880 10 + 900 10 + 920 10 + 940 10 + 960 10 + 980

ORIGINATOR: JPZ DATE: 02/25/98 FILE NAME:
PROJECT NO: 440278 PLOT NAME: PP6.PRF SCALE:
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,

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-78 | SHEET NO: 5.6 M

WisDOT: MSHT42

GB 2
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DATE OF PLOT = 11/25/98
PLOT NA
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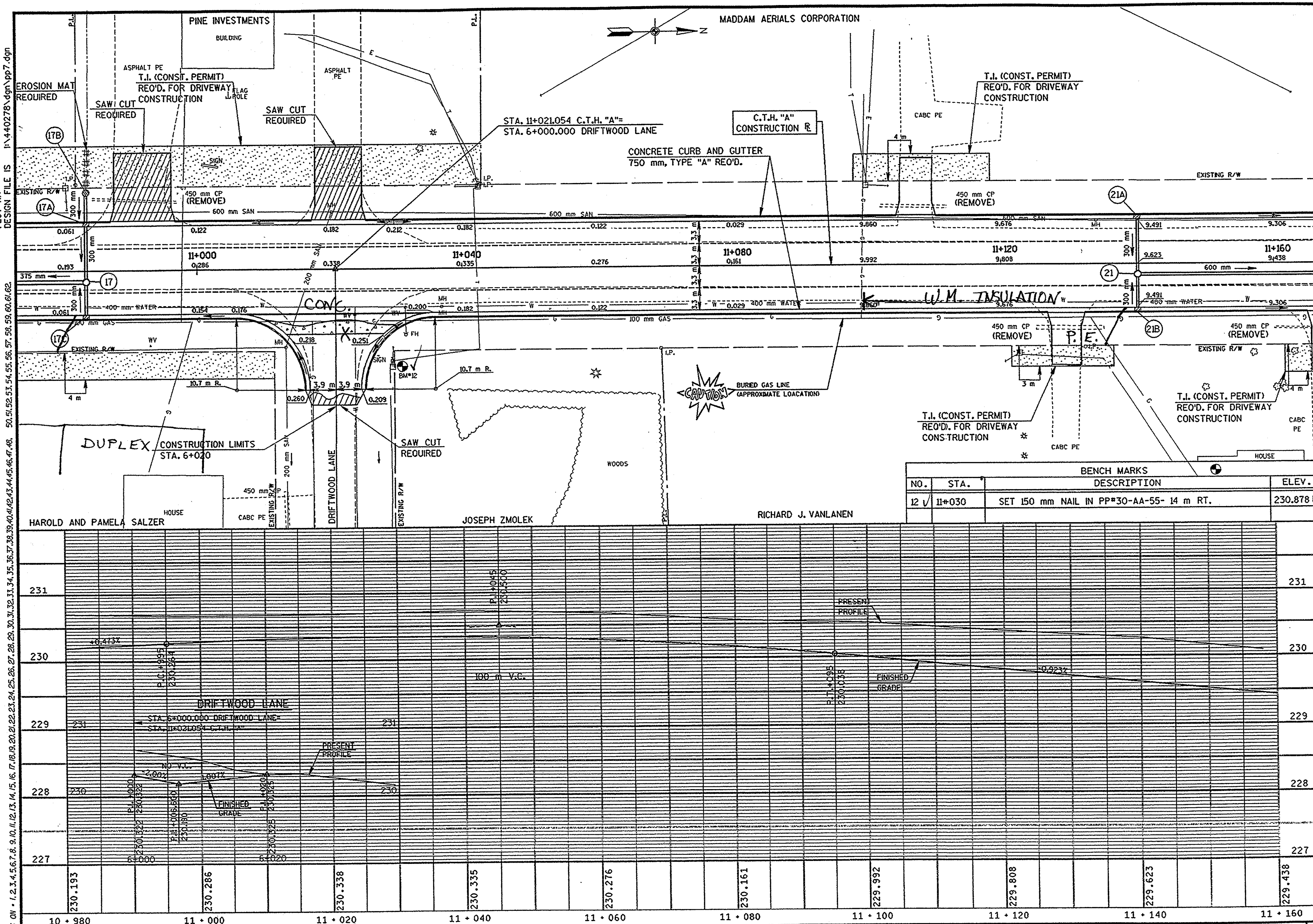

PINE INVESTMENTS
BUILDING
MADDAM AERIALS CORPORATION
N
EROSION MAT REQUIRED
SAW CUT REQUIRED
ASPHALT PE
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
FLAG POLE
STA. 11+021.054 C.T.H. "A"= STA. 6+000.000 DRIFTWOOD LANE
C.T.H. "A" CONSTRUCTION ℄
CONCRETE CURB AND GUTTER 750 mm, TYPE "A" REQ'D.
CABC PE
EXISTING R/W
450 mm CP (REMOVE)
600 mm SAN
11+000
11+040
11+080
11+120
11+160
400 mm WATER
100 mm GAS
W.M. INSULATION
CONC.
P.E.
10.7 m R.
BM*12
DUPLEX
CONSTRUCTION LIMITS STA. 6+020
SAW CUT REQUIRED
DRIFTWOOD LANE
WOODS
BURIED GAS LINE (APPROXIMATE LOCATION)
CAUTION
HOUSE
HAROLD AND PAMELA SALZER
JOSEPH ZMOLEK
RICHARD J. VANLANEN
PRESENT PROFILE
FINISHED GRADE
100 m V.C.
P.I. 11+045 230.500
P.C. 10+995 230.264
P.T. 11+095 230.038
STA. 6+000.000 DRIFTWOOD LANE= STA. 11+021.054 C.T.H. "A"
NO V.C.
230.193
230.286
230.338
230.335
230.276
230.161
229.992
229.808
229.623
229.438
10 + 980
11 + 000
11 + 020
11 + 040
11 + 060
11 + 080
11 + 100
11 + 120
11 + 140
11 + 160

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
12 ✓	11+030	SET 150 mm NAIL IN PP#30-AA-55- 14 m RT.	230.878 ✓

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.7

FILE NAME:
SCALE:
DATE: 02/25/98
PLOT NAME: PP6.REF
ORIGINATOR: JPZ
PROJECT NO: 440278
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61,62

WISDOT: MSHT4

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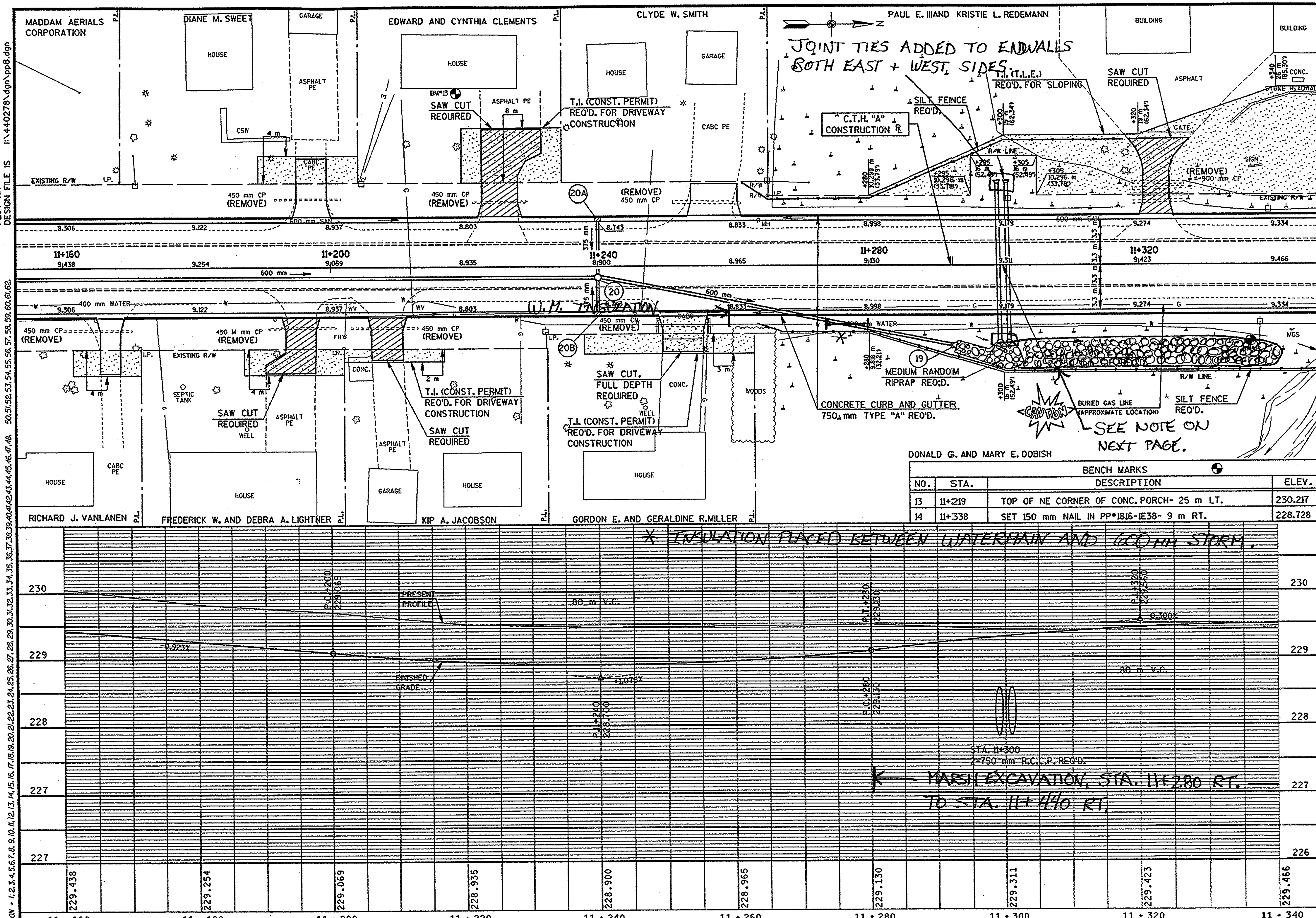

MADDAM AERIALS CORPORATION
DIANE M. SWEET
EDWARD AND CYNTHIA CLEMENTS
CLYDE W. SMITH
PAUL E. III AND KRISTIE L. REDEMANN
JOINT TIES ADDED TO ENDWALLS BOTH EAST + WEST SIDES.
SAW CUT REQUIRED
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
C.T.H. "A" CONSTRUCTION ℄
SILT FENCE REQ'D.
T.I. (T.L.E.) REQ'D. FOR SLOPING
(REMOVE) 450 mm CP
11+160
11+200
11+240
11+280
11+320
W.M. INSULATION
MEDIUM RANDOM RIPRAP REQ'D.
CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
SAW CUT, FULL DEPTH REQUIRED
BURIED GAS LINE (APPROXIMATE LOCATION)
CAUTION
SEE NOTE ON NEXT PAGE.
DONALD G. AND MARY E. DOBISH
RICHARD J. VANLANEN
FREDERICK W. AND DEBRA A. LIGHTNER
KIP A. JACOBSON
GORDON E. AND GERALDINE R. MILLER
* INSULATION PLACED BETWEEN WATERMAIN AND 600 mm STORM.
PRESENT PROFILE
FINISHED GRADE
80 m V.C.
STA. 11+300 2-750 mm R.C.C.P. REQ'D.
← MARSH EXCAVATION, STA. 11+280 RT. TO STA. 11+440 RT.
229.438
229.254
229.069
228.935
228.900
228.965
229.130
229.311
229.423
229.466
11 + 160
11 + 180
11 + 200
11 + 220
11 + 240
11 + 260
11 + 280
11 + 300
11 + 320
11 + 340

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
13	11+219	TOP OF NE CORNER OF CONC. PORCH- 25 m LT.	230.217
14	11+338	SET 150 mm NAIL IN PP#1816-1E38- 9 m RT.	228.728

FILE NAME:
SCALE:
DATE: 02/25/98
PLOT NAME:
ORIGINATOR: JPZ
PROJECT NO: 440278

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 5.8	M

WISDOT: MSHT42

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DATE OF PLOT = 04/15/99
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PAUL E. III AND KRISTIE L. REDEMANN

PAUL E. REDEMANN

BM NAIL IN PP STA. 11+340 RT. ELEV. = 229.331

BM NAIL IN PP, STA. 11+478, RT. ELEV. = 229.961

BUILDING

CONCRETE

STONE HEADWALL

SIGN

T.I. (CONST. PERMIT) REQ'D. FOR SLOPING

MEDIUM RANDOM RIPRAP, REQ'D.

SILT FENCE REQUIRED

BM#15

WOODS

R/W LINE

EXISTING R/W

(REMOVE) 3-1200 mm CMP

600 mm SAN.

11+360

11+400

11+440

11+480

11+520

600 mm

300 mm

100 mm GAS

400 mm WATER

BM#14

MGS

22A

22B

24

25

25A

25B

C.T.H. "A" CONSTRUCTION ℄

CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.

SILT FENCE REQUIRED

MEDIUM RANDOM RIPRAP, REQ'D.

STA. 11+440 ℄ 3-750 mm C.P. REQ'D.

BURIED GAS LINE (APPROXIMATE LOCATION)

CAUTION

1½" WASHED CLEAR STONE

TYPE R FABRIC

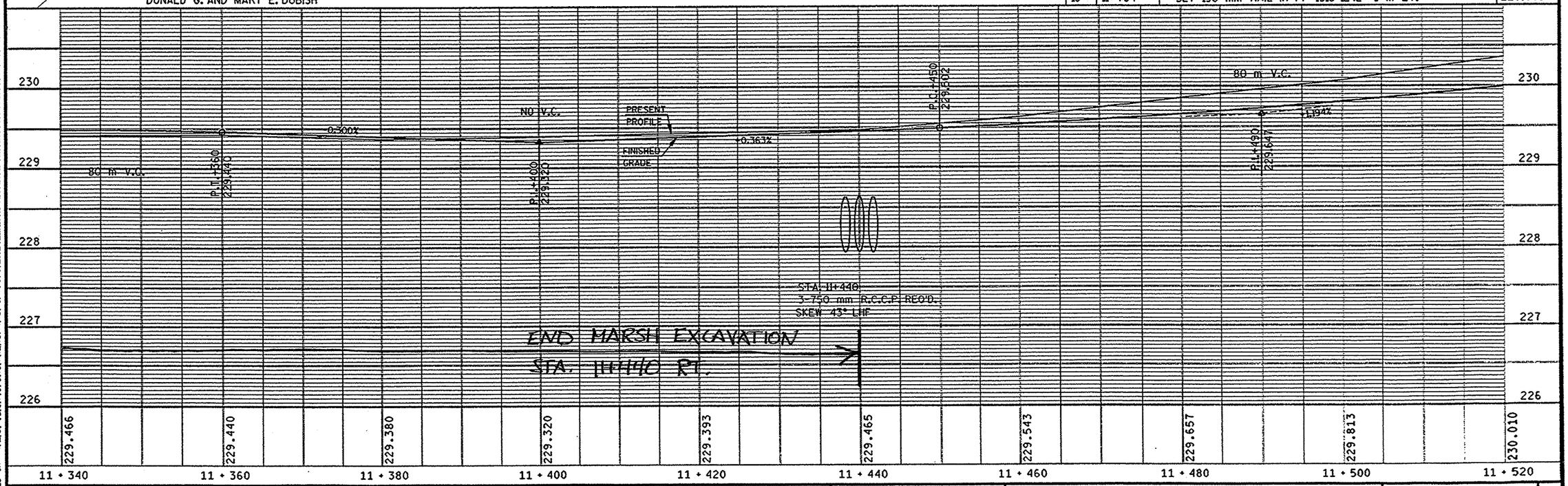
T.I. (CONST. PERMIT) REQ'D. FOR SLOPING

2 m

TEMPORARY SETTLEMENT BASINS CONSTRUCTED. CONNECTION TO CHANNEL TO BE COMPLETED BY WINNEBAGO COUNTY, SEE DETAIL

DONALD G. AND MARY E. DOBISH

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
~~14~~	~~11+338~~	~~SET 150 mm NAIL IN PP*1816-E38- 9 m RT.~~	~~228.728~~
15	11+454	SET 150 mm NAIL IN PP*1816-E42- 9 m LT.	229.003



PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 59

ORIGINATOR: JPZ
PROJECT NO: 440278
DATE: 02/25/98
PLOT NAME: PP9.PRF
FILE NAME:
SCALE:
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61,62.

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DATE OF PLOT = 12/02/98
PLOT NA
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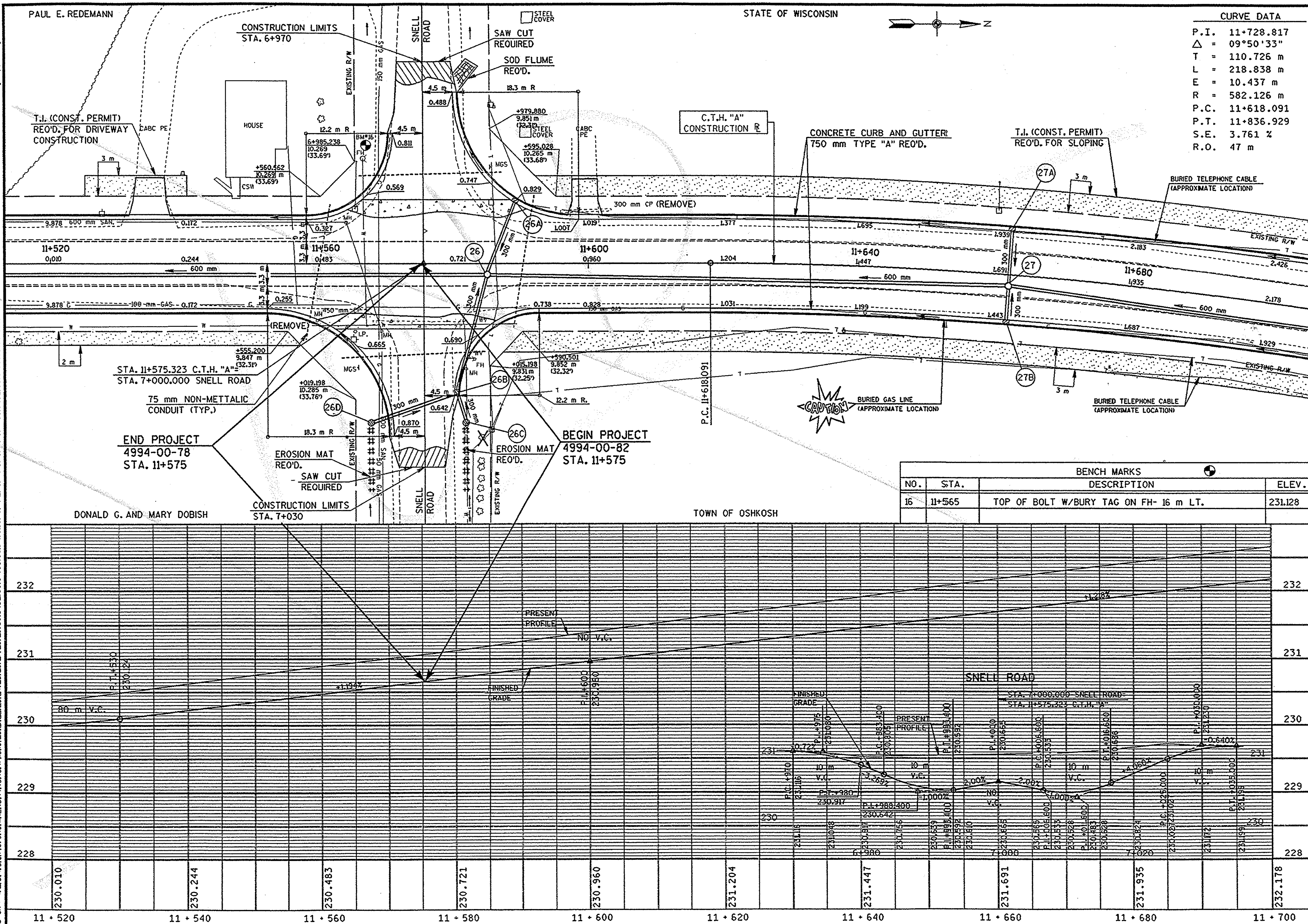
STATE OF WISCONSIN



PAUL E. REDEMANN
CONSTRUCTION LIMITS STA. 6+970
SNELL ROAD
SAW CUT REQUIRED
SOD FLUME REQ'D.
STEEL COVER
EXISTING R/W
HOUSE
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
C.T.H. "A" CONSTRUCTION ℄
CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
T.I. (CONST. PERMIT) REQ'D. FOR SLOPING
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
300 mm CP (REMOVE)
600 mm SAN.
600 mm
100 mm GAS
(REMOVE)
STA. 11+575.323 C.T.H. "A" = STA. 7+000.000 SNELL ROAD
75 mm NON-METTALIC CONDUIT (TYP.)
END PROJECT 4994-00-78 STA. 11+575
BEGIN PROJECT 4994-00-82 STA. 11+575
EROSION MAT REQ'D.
SAW CUT REQUIRED
CONSTRUCTION LIMITS STA. 7+030
P.C. 11+618.091
BURIED GAS LINE (APPROXIMATE LOCATION)
CAUTION
DONALD G. AND MARY DOBISH
TOWN OF OSHKOSH
11+520
11+560
11+600
11+640
11+680
26
26A
26B
26C
26D
27
27A
27B
PRESENT PROFILE
NO V.C.
FINISHED GRADE
80 m V.C.
+1.194%
+1.28%
SNELL ROAD
STA. 7+000.000 SNELL ROAD = STA. 11+575.323 C.T.H. "A"
10 m V.C.
232
231
230
229
228
230.010
230.244
230.483
230.721
230.960
231.204
231.447
231.691
231.935
232.178
11 + 520
11 + 540
11 + 560
11 + 580
11 + 600
11 + 620
11 + 640
11 + 660
11 + 680
11 + 700

CURVE DATA	
P.I.	11+728.817
Δ =	09°50'33"
T =	110.726 m
L =	218.838 m
E =	10.437 m
R =	582.126 m
P.C.	11+618.091
P.T.	11+836.929
S.E.	3.761 %
R.O.	47 m

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
16	11+565	TOP OF BOLT W/BURY TAG ON FH- 16 m LT.	231.128

ORIGINATOR: JPZ
PROJECT NO: 440278
DATE: 02/25/98
PLOT NAME: PP10.PRF
FILE NAME:
SCALE:

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78, 4994-00-82	SHEET NO: 5.10	M

WISDOT: MSHT42

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PAUL E. REDEMANN

STATE OF WISCONSIN

* HIGH SIDE S.E. REVERSE SLOPE (SAME AS ADJACENT PAV'T) NO FLOW CONTAINED IN CURB. STA. 11+600 LT. - STA. 11+860 LT.

REVISED 5/16/00

CURVE DATA
P.I. 11+728.817
Δ = 09°50'33"
T = 110.726 m
L = 218.838 m
E = 10.437 m
R = 582.126 m
P.C. 11+618.091
P.T. 11+836.929
S.E. 3.761 %
R.O. 47 m

CONSTRUCTION LIMITS STA. 6+970
SNELL ROAD
SAW CUT REQUIRED
SOD FLUME REQ'D.
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
HOUSE
EXISTING R/W
C.T.H. "A" CONSTRUCTION ℄
CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
T.I. (CONST. PERMIT) REQ'D. FOR SLOPING
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
300 mm CP (REMOVE)
CONC.
(REMOVE)
STA. 11+575.323 C.T.H. "A"
STA. 7+000.000 SNELL ROAD
75 mm NON-METTALIC CONDUIT (TYP.)
END PROJECT 4994-00-78 STA. 11+575
BEGIN PROJECT 4994-00-82 STA. 11+575
EROSION MAT REQ'D.
SAW CUT REQUIRED
CONSTRUCTION LIMITS STA. 7+030
P.C. 11+618.091
CAUTION BURIED GAS LINE (APPROXIMATE LOCATION)
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
DONALD G. AND MARY DOBISH
TOWN OF OSHKOSH

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
16	11+565	TOP OF BOLT W/BURY TAG ON FH- 16 m LT.	231.128

PRESENT PROFILE
FINISHED GRADE
NO V.C.
EBS STA. 11+620 LT. SIDE ONLY
SNELL ROAD
STA. 7+000.000 SNELL ROAD
STA. 11+575.323 C.T.H. "A"

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-78, 4994-00-82 | SHEET NO: 5.10

WisDOT: MSHT4

ORIGINATOR: JPZ
PROJECT NO: 440278
DATE: 02/25/98
PLOT NAME: PP10.PRF
FILE NAME:
SCALE:
LEVELS ON • 1.2.3.4.5.6.7.8.9.10.11.12.13.14.15.16.17.18.19.20.21.22.23.24.25.26.27.28.29.30.31.32.33.34.35.36.37.38.39.40.41.42.43.44.45.46.47.48.50.51.52.53.54.55.56.57.58.59.60.61.62.

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DATE OF PLOT = 11/25/98
PLOT NA
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FOX RIVER VALLEY RAILROAD CORPORATION

STATE OF WISCONSIN

TOWN OF OSHKOSH

CABC

MTS

P.I.

BM#17

EXISTING R/W

T.I. (CONST. PERMIT) REO'D. FOR SLOPING

C.T.H. "A" CONSTRUCTION ℄

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

28A 28 28B 29A 29 29B

11+720 11+760 11+800 11+840 11+880

600 mm 300 mm

CONCRETE CURB AND GUTTER 750 mm, TYPE "A" REO'D.

T.I. (CONST. PERMIT) REO'D. FOR SLOPING

P.T. 11+836.929

CONC.

3 m

CURVE DATA

P.I. 11+728.817
△ = 09°50'33"
T = 110.726 m
L = 218.838 m
E = 10.437 m
R = 582.126 m
P.C. 11+618.091
P.T. 11+836.929
S.E. 3.761%
R.O. 47 m

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
17	11+738	SET 150 mm NAIL IN PP#36- R53-9 m LT.	233.128

PRESENT PROFILE

FINISHED GRADE

NO. V.C.

-1.28%

+0.702%

P.I. 11+710
232.300

232.178 232.370 232.511 232.651 232.791 232.932 233.072 233.213 233.353 233.494

234 233 232 231 230

11 + 700 11 + 720 11 + 740 11 + 760 11 + 780 11 + 800 11 + 820 11 + 840 11 + 860 11 + 880

PLAN AND PROFILE | SCALE. METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.11

WISDOT: MS

ORIGINATOR: JPZ DATE: FILE NAME:
PROJECT NO: 440278 PLOT NAME: SCALE:

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. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62.

FOX RIVER VALLEY RAILROAD CORPORATION

RAILROAD SIGNAL

CABC

CONCRETE CURB AND GUTTER
750 mm TYPE "A" REO'D.

T.I. (CONST. PERMIT)
REO'D. FOR SLOPING

C.T.H. "A"
CONSTRUCTION ℄

MGS

R/W POST

MTP

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

3 m

EXISTING R/W

BM#18

3.688

3.388 3.502 3.874 4.060 4.246 4.431 4.617 4.786 4.919

30A 300 mm 31A

11+880 11+920 11+960 12+000 12+040

30 3.494 3.820 4.192 4.563 4.749 4.918 5.051 31

600 mm 3.634 4.006 4.378 600 mm

30B 300 mm 31B

3.362 3.502 3.874 4.060 4.246 4.431 4.617 4.786 4.919

3.688

EXISTING R/W

3 m

BURIED TELEPHONE CABLE
(APPROXIMATE LOCATION)

T.I. (CONST. PERMIT)
REO'D. FOR SLOPING

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
18	11+961	SET 150 mm NAIL IN PP*36-R57- 9 m LT.	234.638

TOWN OF OSHKOSH

PRESENT PROFILE

FINISHED GRADE

NO V.C.

+0.702%

+0.929%

P.I. 11+905
235.634

P.I. 12+020
234.749

END EBS
LT. SIDE

EBS STA. 12+020 RT.

235 234 233 232 231

233.494 233.634 233.820 234.006 234.192 234.378 234.563 234.749 234.918 235.051

11 + 880 11 + 900 11 + 920 11 + 940 11 + 960 11 + 980 12 + 000 12 + 020 12 + 040 12 + 060

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.12 M

WISDOT: MSHT42

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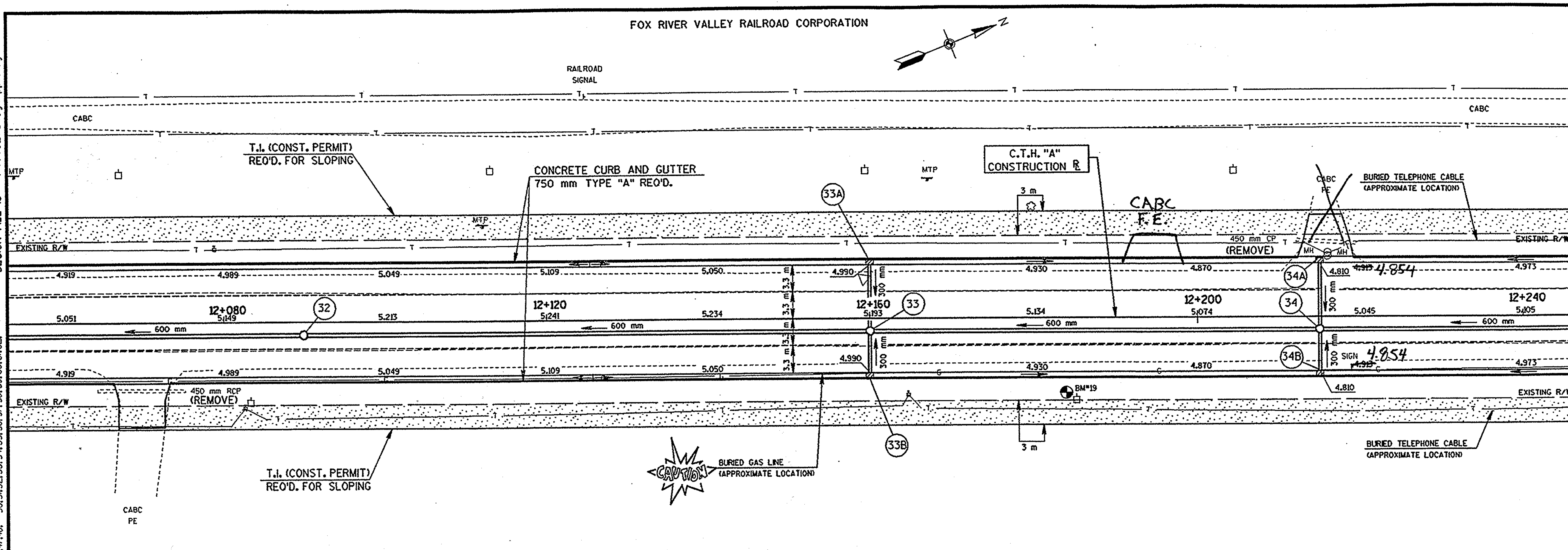
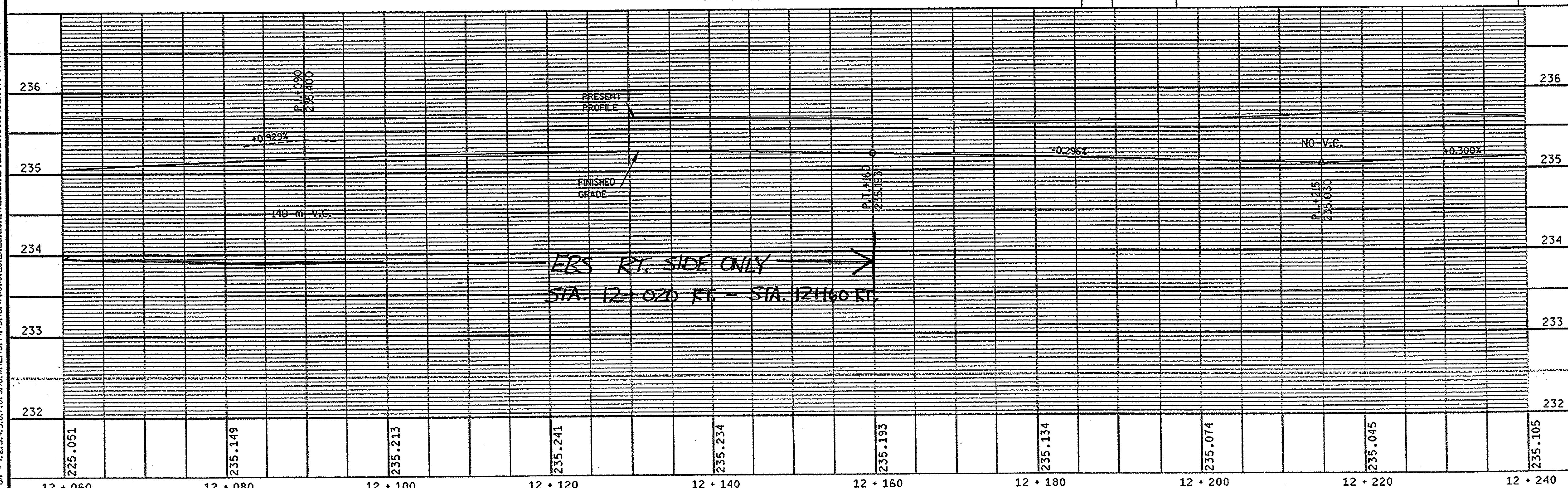
ORIGINATOR: JPZ DATE: 02/25/98 FILE NAME:
PROJECT NO: 440278 PLOT NAME: SCALE:



NO.	STA.	DESCRIPTION	ELEV.
19	11+185	SET 150 mm NAIL IN PP#36-R75- 9 m RT.	235.526

BENCH MARKS

TOWN OF OSHKOSH



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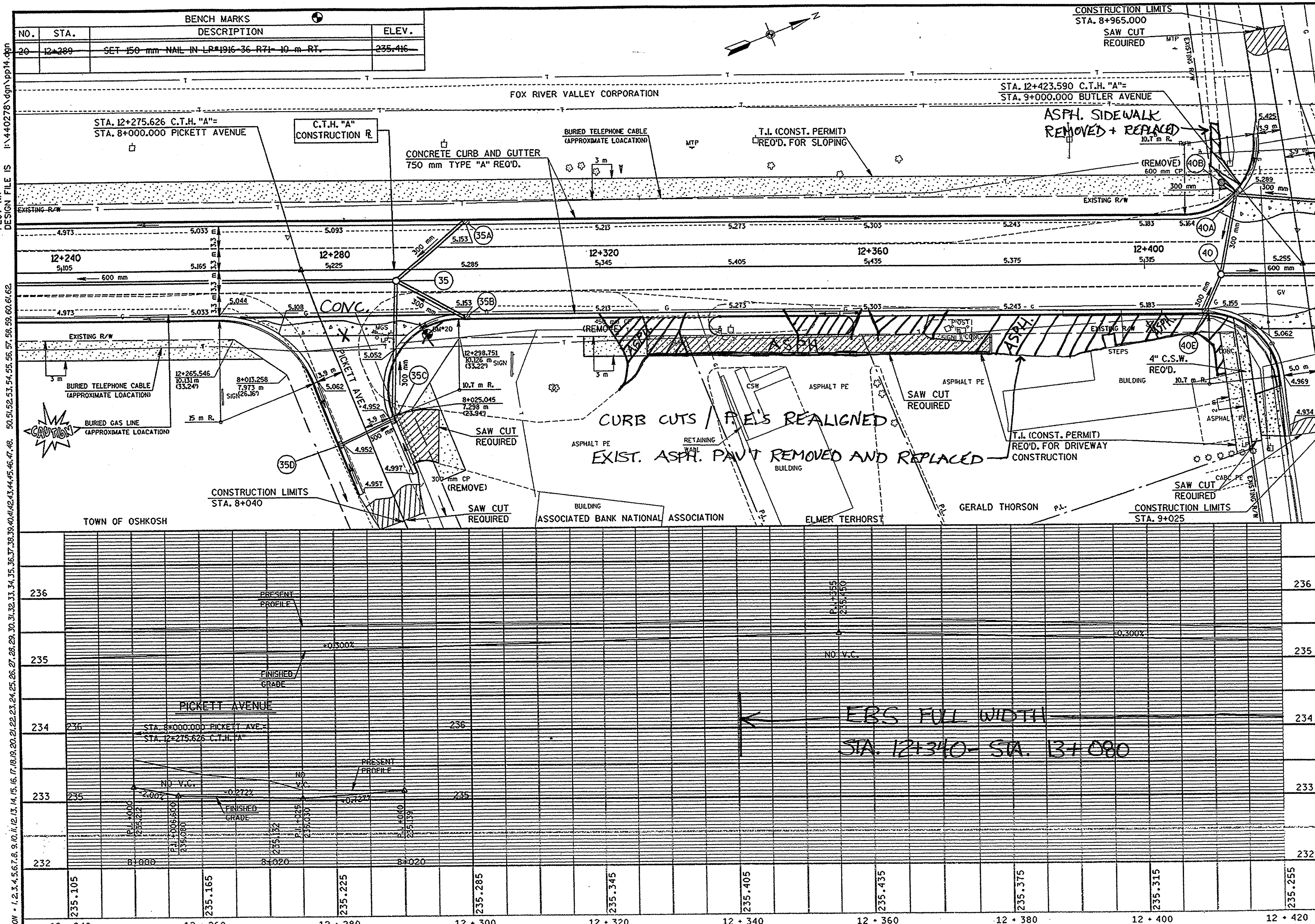
ORIGINATOR: JPZ DATE: 02/25/98
PROJECT NO: 440278 PLOT NAME: FILE NAME: SCALE:

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 5.13	M

WisDOT: MSHT42

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
~~20~~	~~12+289~~	~~SET 150 mm NAIL IN LP#1916-36 R71- 10 m RT.~~	~~235.416~~



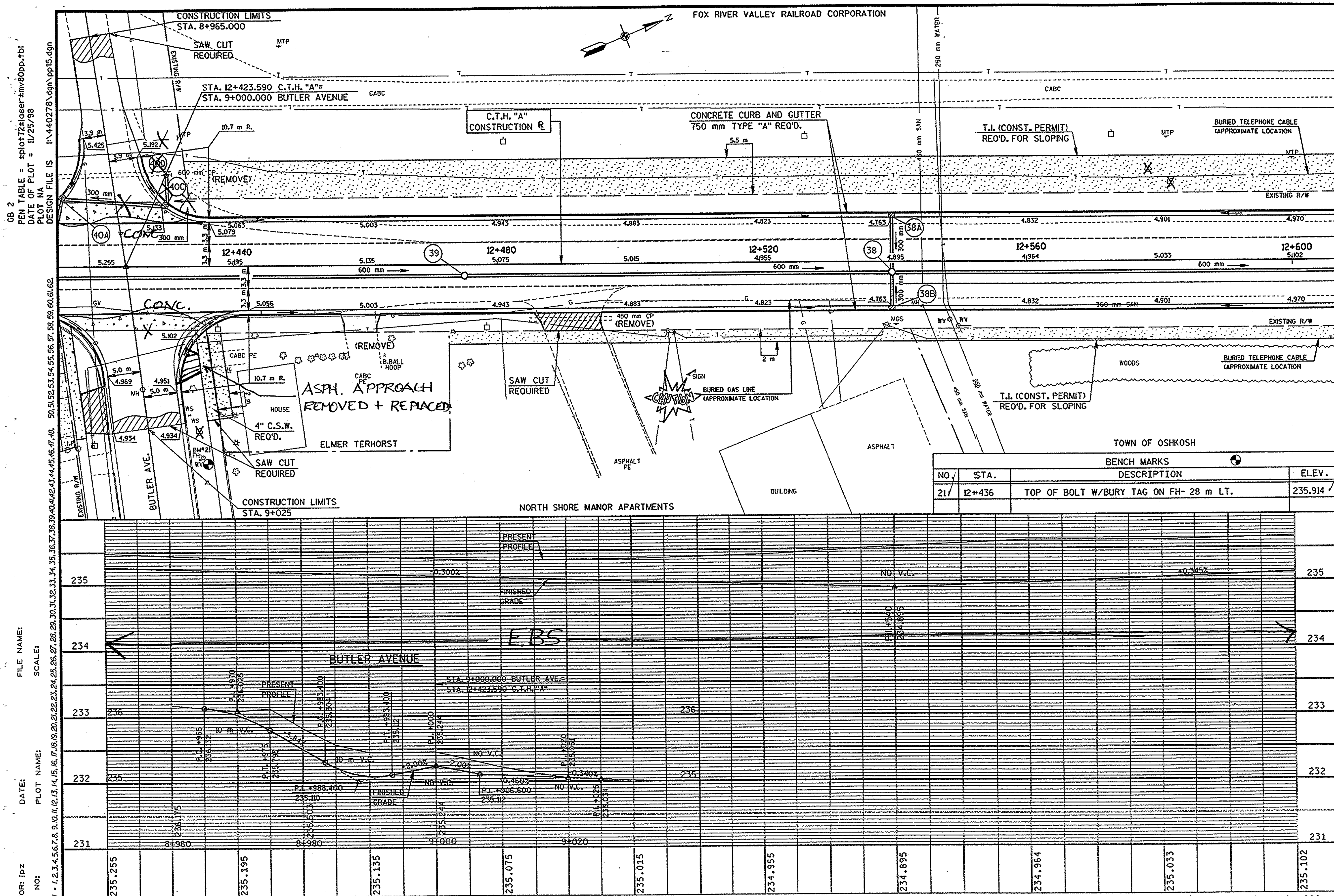
FOX RIVER VALLEY CORPORATION
STA. 12+275.626 C.T.H. "A"=
STA. 8+000.000 PICKETT AVENUE
C.T.H. "A" CONSTRUCTION ℄
CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
BURIED TELEPHONE CABLE (APPROXIMATE LOACATION)
T.I. (CONST. PERMIT) REQ'D. FOR SLOPING
CONSTRUCTION LIMITS STA. 8+965.000
SAW CUT REQUIRED
STA. 12+423.590 C.T.H. "A"=
STA. 9+000.000 BUTLER AVENUE
ASPH. SIDEWALK REMOVED + REPLACED
EXISTING R/W
12+240
12+280
12+320
12+360
12+400
CONC.
ASPH.
PICKETT AVE.
BURIED GAS LINE (APPROXIMATE LOACATION)
CAUTION
CURB CUTS / P.E.'S REALIGNED
EXIST. ASPH. PAV'T REMOVED AND REPLACED
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
4" C.S.W. REQ'D.
CONSTRUCTION LIMITS STA. 8+040
CONSTRUCTION LIMITS STA. 9+025
TOWN OF OSHKOSH
ASSOCIATED BANK NATIONAL ASSOCIATION
ELMER TERHORST
GERALD THORSON
PRESENT PROFILE
FINISHED GRADE
NO V.C.
PICKETT AVENUE
STA. 8+000.000 PICKETT AVE.=
STA. 12+275.626 C.T.H. "A"
EBS FULL WIDTH
STA. 12+340- STA. 13+080
235.105
235.165
235.225
235.285
235.345
235.405
235.435
235.375
235.315
235.255
12 + 240
12 + 260
12 + 280
12 + 300
12 + 320
12 + 340
12 + 360
12 + 380
12 + 400
12 + 420

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.14 | M

ORIGINATOR: JPZ
PROJECT NO: 440278

WISDOT: MSHT42

* ENDWALL (40B) ELIMINATED. 300 MM RCP STORM SEWER FROM (40C) to (40D) ELIMINATED. CROSS SECTIONS FOR BUTLER AVE. WERE NOT CORRECT. A DITCH WAS NOT NECESSARY.



BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
21	12+436	TOP OF BOLT W/BURY TAG ON FH- 28 m LT.	235.914

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 5.15

WISDOT: MSHT42

GB 2
PEN TABLE = ±plot72±loser±mv80pp.tbl
DATE OF PLOT = 11/25/98
PLOT NA
DESIGN FILE IS I:\440278\dgn\pp16.dgn

FOX RIVER VALLEY RAILROAD CORPORATION

AN EXISTING STORM PIPE WAS FOUND THAT TIED INTO THE EXISTING INLET AT (36B) LOCATION. THE PIPE WAS TIED INTO (36B) USING PVC FITTINGS.

CABC

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

C.T.H. "A" CONSTRUCTION ℄

CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.

BRUSH

5.5 m

EXISTING R/W

T.I. (CONST. PERMIT) REQ'D. FOR SLOPING

MTP

36B

450 mm RCP (TO REMAIN) CONNECT TO EXISTING PIPE

(REMOVE) 450 mm RCP

600 mm

36A

36

12+600 12+640 12+680 12+720 12+760

4.970 5.039 5.102 5.108 5.171 5.240 5.048 5.180 4.988 5.120 4.928 5.060 4.868 5.000 4.808 4.940 4.748 4.880 4.688 4.820

3.3 m

37

BM#22

MH

300 mm SAN

CB

CURB FLUME

36C

36D

WOODS

2 m

CONNECT TO EXISTING INLET

INLET (36C) WAS NOT PLACED DUE TO SANITARY SEWER CONFLICTS. A CURB FLUME WAS BUILT TO DRAIN TO STR. (36D).

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
22	12+642	SET 150 mm NAIL IN PP#36E101- 10 m RT.	235.037

TOWN OF OSHKOSH

PRESENT PROFILE

FINISHED GRADE

NO V.C.

+0.345%

-0.300%

P.I. 12+640 236.240

EBS

236 235 234 233 232

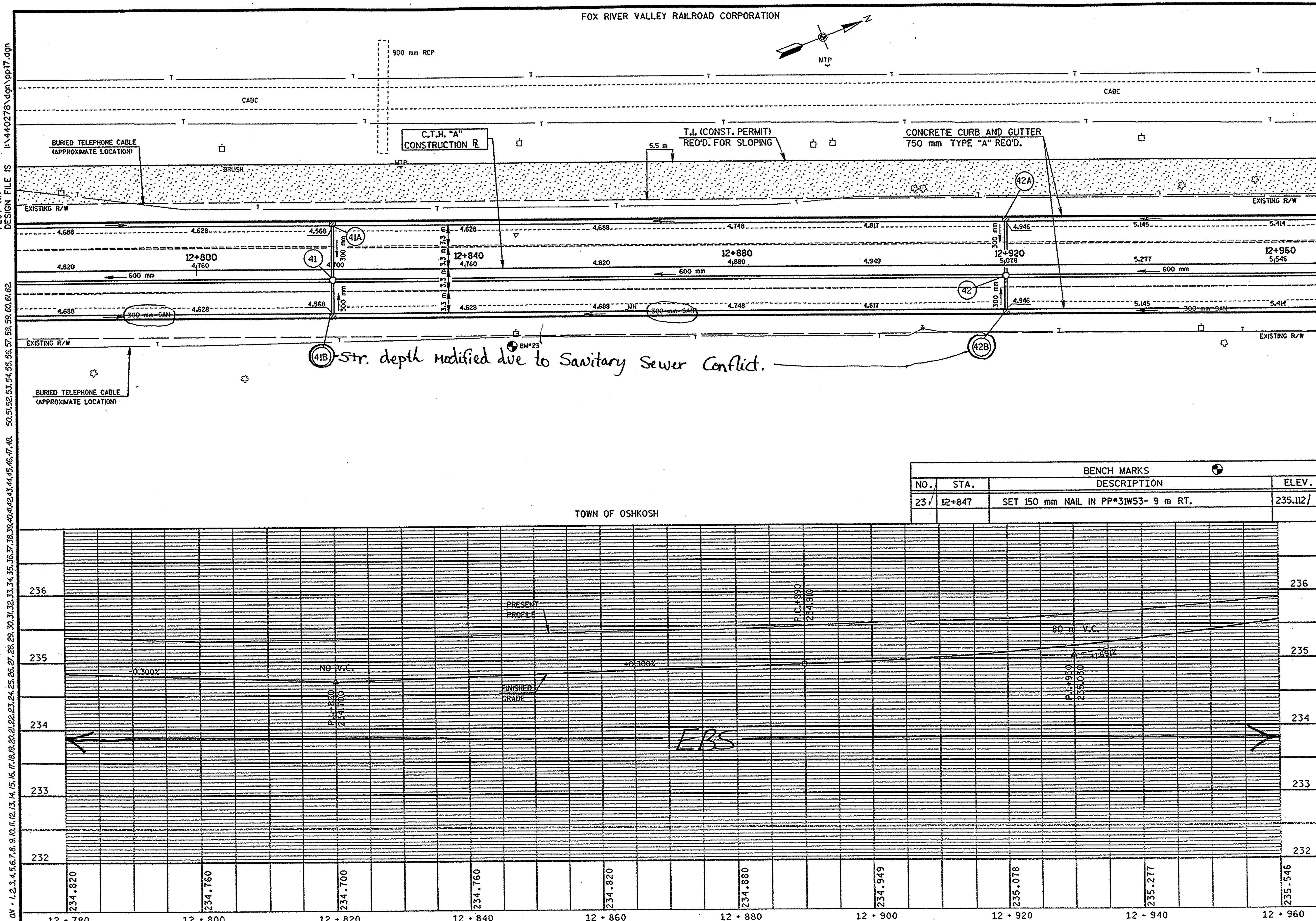
235.102 235.171 235.240 235.180 235.120 235.060 235.000 234.940 234.880 234.820

12+600 12+620 12+640 12+660 12+680 12+700 12+720 12+740 12+760 12+780

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.16

WISDOT: MSHT42

FILE NAME:
SCALE:
DATE:
PLOT NAME:
ORIGINATOR: JPZ
PROJECT NO:
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61,62



FOX RIVER VALLEY RAILROAD CORPORATION
MTP
900 mm RCP
CABC
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
C.T.H. "A" CONSTRUCTION ℄
T.I. (CONST. PERMIT) REQ'D. FOR SLOPING
CONCRETIE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
BRUSH
EXISTING R/W
12+800
12+840
12+880
12+920
12+960
600 mm
300 mm SAN
41
41A
41B
42
42A
42B
BM*23
Str. depth modified due to Sanitary Sewer Conflict.
TOWN OF OSHKOSH
PRESENT PROFILE
FINISHED GRADE
-0.300%
+0.300%
NO V.C.
80 m V.C.
P.I. 12+820 234.700
P.C. 12+890 234.910
P.I. 12+930 235.030
EBS
234.820
234.760
234.700
234.760
234.820
234.880
234.949
235.078
235.277
235.546
12 + 780
12 + 800
12 + 820
12 + 840
12 + 860
12 + 880
12 + 900
12 + 920
12 + 940
12 + 960

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
23	12+847	SET 150 mm NAIL IN PP*31W53- 9 m RT.	235.112

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.17 | M

WISDOT: MSHT42

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DATE: 02/25/98
PLOT NAME:
ORIGINATOR: JPZ
PROJECT NO: 440278
LEVELS ON - 1, 2, 3, … 62

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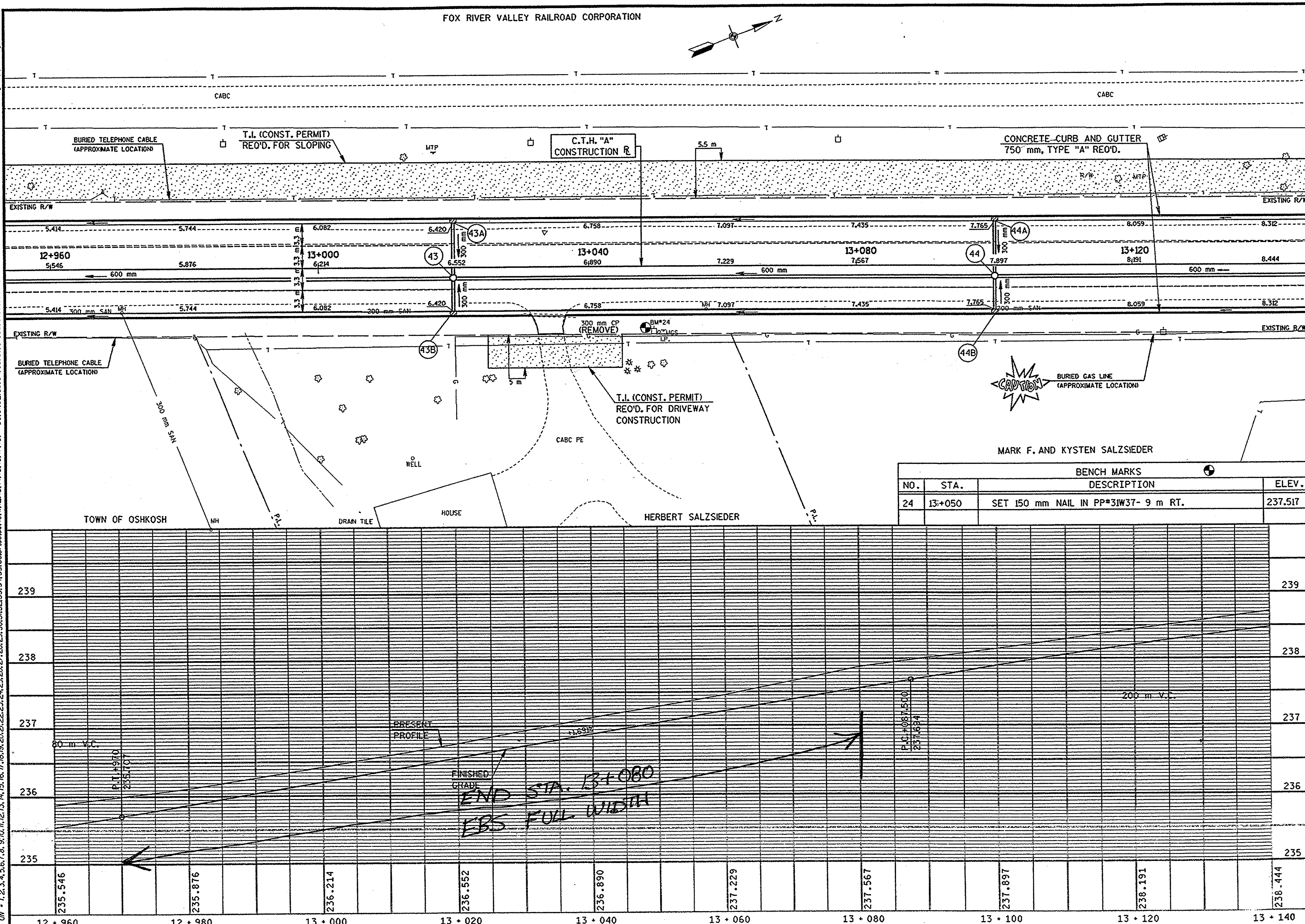

FOX RIVER VALLEY RAILROAD CORPORATION
CABC
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
T.I. (CONST. PERMIT) REQ'D. FOR SLOPING
C.T.H. "A" CONSTRUCTION ℄
5.5 m
CONCRETE CURB AND GUTTER 750 mm, TYPE "A" REQ'D.
EXISTING R/W
12+960
13+000
13+040
13+080
13+120
600 mm
300 mm SAN
200 mm SAN
300 mm CP (REMOVE)
BM#24
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
CAUTION
BURIED GAS LINE (APPROXIMATE LOCATION)
CABC PE
WELL
HOUSE
DRAIN TILE
TOWN OF OSHKOSH
HERBERT SALZSIEDER
MARK F. AND KYSTEN SALZSIEDER
P.L.
PRESENT PROFILE
FINISHED GRADE
80 m V.C.
200 m V.C.
P.T. +970 235.707
P.C. +087.500 237.694
+1.691%
END STA. 13+080
EBS FULL WIDTH

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
24	13+050	SET 150 mm NAIL IN PP#31W37- 9 m RT.	237.517

235.546	235.876	236.214	236.552	236.890	237.229	237.567	237.897	238.191	238.444
12+960	12+980	13+000	13+020	13+040	13+060	13+080	13+100	13+120	13+140

ORIGINATOR: DJD
PROJECT NO:
DATE:
PLOT NAME:
FILE NAME:
SCALE:

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.18 | M

WISDOT: MSHT42

BENCH MARKS			
NO.	STA.	DESCRIPTION	ELEV.
25	13+193	SET 150 mm NAIL IN PP*31W31- 10 m LT.	239.492
26	13+319	TOP OF BOLT W/BURY TAG ON FH- 18 m LT.	239.488

FOX VALLEY RAILROAD CORPORATION

ASPHALTIC SURFACE, SAFETY ISLAND

CONSTRUCTION LIMITS
STA. 9+957.00,
SAW CUT REQ'D.

REVISED SHEET
REVISED 5/1/00
FOX VALLEY
RAILROAD CORP.

CONCRETE CORRUGATED MEDIAN REQUIRED

~~75 MM ASPHALTIC CONCRETE, TYPE MV~~

REVERSE 450 mm CONC. CURB AND GUTTER REQ'D

STA. 13+302.046 C.T.H. "A"=
STA. 10+000.000 C.T.H. "Y"

ASPH. C.T.H. "Y"

END CONC. PAVT. AND C+G.

BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)

C.T.H. "A" CONSTRUCTION ℄

T.I. (CONST. PERMIT REQ'D. FOR SLOPING

CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.

MEDIAN CROSSOVER

SLOPED NOSE REQ'D. (TYP.)

75 mm NON-METALLIC CONDUIT (TYP.)

END CONC.

(REMOVE)

T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION

SAW CUT REQUIRED

BURIED GAS LINE (APPROXIMATE LOCATION)

T.I. (CONST. PERMIT REQ'D. FOR DRIVEWAY CONSTRUCTION

600 mm X 900 mm PULL BOX REQ'D

REMOVE ASPHALT SEED AND MULCH

SAW CUT REQUIRED

FLUME

CONSTRUCTION LIMITS
STA. 10+035.000

MARK F. AND KYSTEN SALZSIEDER

JAMES CLARK

DAVID AND JENNICE BREARLEY

SHARON BREARLEY

CONST. LIMITS SHOWN AT STA. 9+957 ABOVE.

C.T.H. "Y"

PRESENT PROFILE

FINISHED GRADE

200-m V.C.

10-m V.C.

20-m V.C.

NO V.C.

STA. 10+000.000 C.T.H. "Y"=
STA. 13+302.046 C.T.H. "A"

P.I. +187.500 239.385 +1.69%

P.C. +950 239.380

P.I. +960 239.424

P.C. +974.900 239.029

P.T. +970 239.159

P.I. +979.900 238.887

P.C. +994.900 238.990

P.I. +993.860 239.156

P.C. +007.100 238.910

P.T. +017.100 239.001

P.I. +012.100 238.817

P.C. +025 239.292

P.I. +030 239.476

P.T. +035 239.502

P.C. +287.500 239.085 -0.30%

P.I. +300 239.048 -0.40%

238.444 | 238.658 | 238.832 | 238.966 | 239.061 | 239.115 | 239.130 | 239.105 | 239.048 | 238.968

13+140 | 13+160 | 13+180 | 13+200 | 13+220 | 13+240 | 13+260 | 13+280 | 13+300 | 13+320

PLAN AND PROFILE	SCALE, METERS 0 12.5 25	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 5.19

WISDOT: MSHT42

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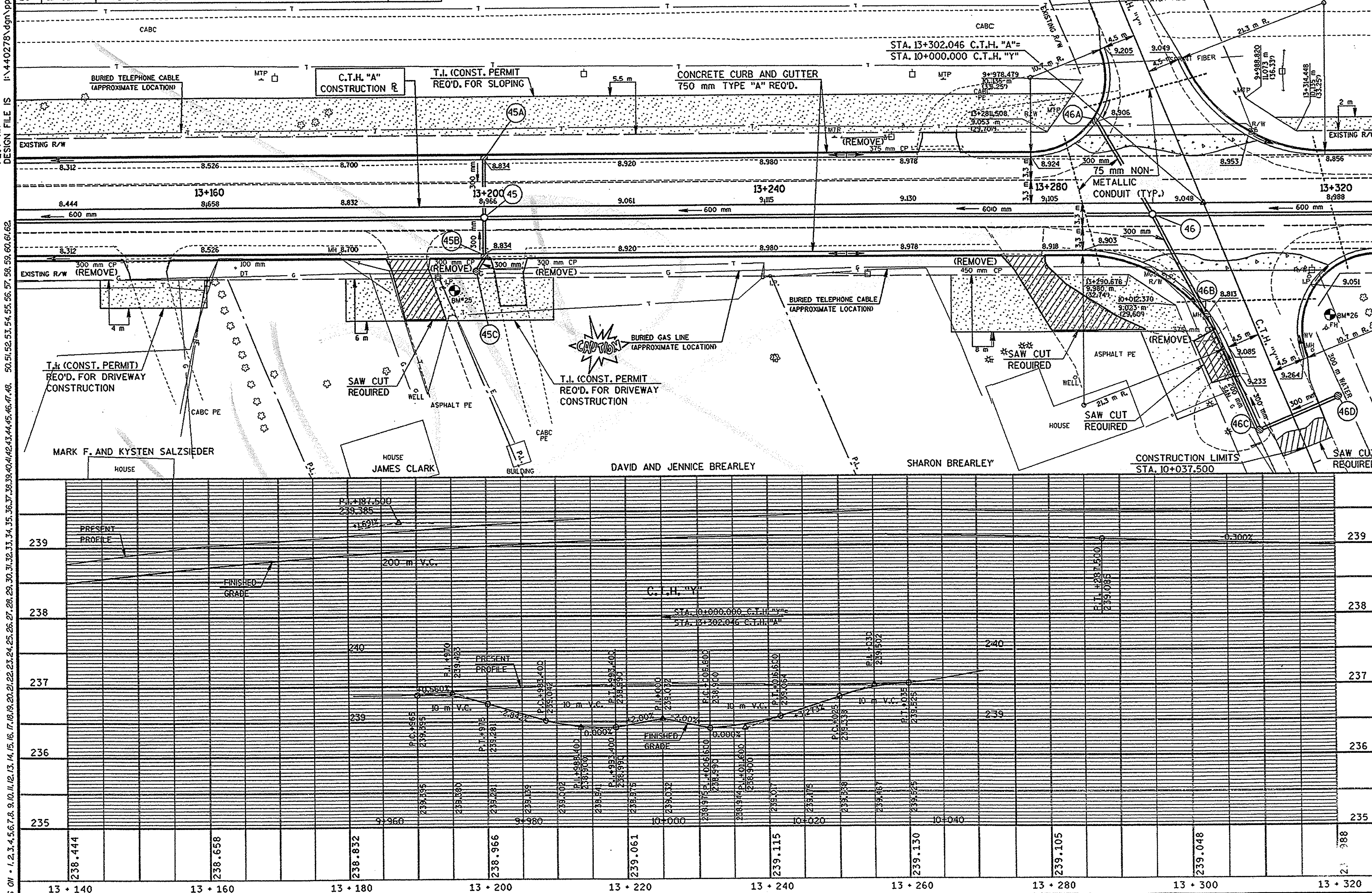
DATE:
PLOT NAME:
FILE NAME:
SCALE:

GB 2
PEN TABLE = ±plot72±laser±mv80pp.tbl
DATE OF PLOT = 11/25/98
PLOT NA
DESIGN FILE IS i:\440278\dgn\pp19.dgn

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
25	13+193	SET 150 mm NAIL IN PP#31W31- 10 m LT.	239.492
26	13+319	TOP OF BOLT W/BURY TAG ON FH- 18 m LT.	239.488



FOX VALLEY RAILROAD CORPORATION
FOX VALLEY RAILROAD CORPORATION
CONSTRUCTION LIMITS STA. 9+962.500
SAW CUT REQUIRED
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
C.T.H. "A" CONSTRUCTION ℄
T.I. (CONST. PERMIT REQ'D. FOR SLOPING
CONCRETE CURB AND GUTTER 750 mm TYPE "A" REQ'D.
STA. 13+302.046 C.T.H. "A"= STA. 10+000.000 C.T.H. "Y"
C.T.H. "Y"
AT&T FIBER
EXISTING R/W
(REMOVE)
75 mm NON-METALLIC CONDUIT (TYP.)
13+160
13+200
13+240
13+280
13+320
600 mm
T.I. (CONST. PERMIT) REQ'D. FOR DRIVEWAY CONSTRUCTION
SAW CUT REQUIRED
BURIED GAS LINE (APPROXIMATE LOCATION)
CAUTION
T.I. (CONST. PERMIT REQ'D. FOR DRIVEWAY CONSTRUCTION
BURIED TELEPHONE CABLE (APPROXIMATE LOCATION)
ASPHALT PE
HOUSE
SAW CUT REQUIRED
MARK F. AND KYSTEN SALZSIEDER
HOUSE
JAMES CLARK
BUILDING
DAVID AND JENNICE BREARLEY
SHARON BREARLEY
CONSTRUCTION LIMITS STA. 10+037.500
SAW CUT REQUIRED
P.I.=187.500 239.385
+1.691%
PRESENT PROFILE
200 m V.C.
FINISHED GRADE
C.T.H. "Y"
STA. 10+000.000 C.T.H. "Y"= STA. 13+302.046 C.T.H. "A"
-0.300%
10 m V.C.
FINISHED GRADE
239
238
237
236
235
238.444
238.658
238.832
238.966
239.061
239.115
239.130
239.105
239.048
13 + 140
13 + 160
13 + 180
13 + 200
13 + 220
13 + 240
13 + 260
13 + 280
13 + 300
13 + 320

FILE NAME:
SCALE:
DATE:
PLOT NAME:
ORIGINATOR: DJD
PROJECT NO:

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.19 M

WISDOT: MSHT42

GB 2
PEN TABLE = \plot72\laser\mv80pp.tbl
DATE OF PLOT = 11/25/98
PLOT NA
DESIGN FILE IS I:\440278\dgn\pp20.dgn

FOX VALLEY RAILROAD CORPORATION

N

CABC

213 m R

75 mm NON-METALLIC MTP CONDUIT CONCRETE CURB AND GUTTER 750 mm TYPE "A" REO'D.

47B

2 m

C.T.H. "A" CONSTRUCTION ℄

T.I. (CONST. PERMIT) REO'D. FOR SLOPING

EXISTING R/W

300 mm

8.856

8.813

47A

8.958

13+320
8.988

13+360

13+400

SAW CUT REQUIRED

600 mm

47

8.838

8.813

47D

47C

EXISTING R/W

10+018.381
11.100 m
(36.42')
BM*26

13+321.437
9.984 m
(32.75')

1 FH

10.7 m R.

MH

EXISTING R/W

46D

C.T.H. "A"

SAW CUT REQUIRED

LAKEVIEW LIMITED PARTNERSHIP

END PROJECT
4994-00-82
STA. 13+410.000

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
26	13+319	TOP OF BOLT W/BURY TAG ON FH- 18 m LT.	239.488

240
239
238
237
236

P.C.=.330
238.958

PRESENT PROFILE

P.I.=.370
239.162

P.I.=.390
239.353

-0.145%

0.300%

+1.320%

FINISHED GRADE

P.I.=.350
238.898

P.C.=.310
239.162

40 m V.C.

P.T.=.410
239.397

238.988 | 238.946 | 239.031 | 239.225 | 239.317

13 + 320 | 13 + 340 | 13 + 360 | 13 + 380 | 13 + 400 | 13 + 420

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.20 MSHT | M

WISDOT: MSHT42

ORIGINATOR: JPZ
PROJECT NO: 440278
LEVELS ON • 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61,62
DATE: 03/02/98
PLOT NAME:
FILE NAME:
SCALE:

FOX VALLEY RAILROAD CORPORATION

F.O. CONFLICTS AND R/W AQUISITION PREVENTED CONSTRUCTION PER PLAN.

TEMP. ASPH. PAV'T PLACED FROM END OF CONC. PAV'T AND CURB AND GUTTER AT STA. 13+326 TO STA. 13+580, STA. 13+326 - STA. 13+460 WAS GRADED TO THE ULTIMATE PROFILE PER ORIGINAL PLAN. THE PLAN SUBGRADE WAS CONSTRUCTED.

REVISED SHEET
REVISED 5/1/00

EXIST. CONC. PAV'T REMOVED TO STA. 13+460. ASPH. OVERLAY FROM STA. 13+460 TO STA. 13+580.

75 mm NON-METALLIC CONDUIT

450 mm CONC. CURB AND GUTTER REQ'D

75 mm ASPHALTIC CONCRETE, TYPE MV

C.T.H. "A" CONSTRUCTION ℄

CONCRETE CURB AND GUTTER REQ'D

450 mm CMP REQ'D

SOD FLUME REQ'D

E.O.P.

ASPHALT

END CONC.

13+320

13+360

13+400

13+500

600 mm

375 mm

300 mm

SLOPED NOSE REQ'D (TYP.)

OVERLAY EXIST. CONCRETE

600 mm x 900 mm PULL BOX REQ'D

EXISTING R/W

PAINTED MEDIAN

SWALE TO ENDWALL (49)

REVERSE 450 mm CONC. CURB AND GUTTER REQ'D

(49) 300 mm RCP Endwall

EROSION MAT REQ'D

CUT DITCH, DRAIN TO STRUCTURE '48C'

P.C. 13+458.669

* MH 48 PLACED TO PLAN TOP OF STR. GRADE. PLATE PLACED ON TOP OF STR.

* INLET (47A) PLACED TO TOP OF STRUCTURE ELEV. CASTING NOT INSTALLED. PLATE PLACED ON TOP OF STRUCTURE.

SAW CUT REQUIRED

C.T.H. "A"

LAKEVIEW LIMITED PARTNERSHIP

CURVE DATA

P.I.	13+540.865
△	= 11°27'33"
T	= 82.196 m
L	= 162.935 m
E	= 6.711 m
R	= 500 m
P.C.	13+458.669
P.T.	13+621.604
S.E.	3.1 %
R.O.	51 m

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
26	13+319	TOP OF BOLT W/BURY TAG ON FH- 18 m LT.	239.488

STORM SEWER FROM MH (48) TO INLET (48B) NOT PLACED. INLET (48B) AND ENDWALL 48C NOT PLACED.

80 m V.C.

40 m V.C.

60 m V.C.

REVISED PROFILE

-0.40 %

0.38 %

-0.14 %

PVC 13+320 238.968

PVI 13+360 238.808

PVT 13+400 238.960

PVC 13+440

PVI 13+460 239.190

PVT 13+480

P.V.I. 13+560 238.288

STA. 13+325 LT. — STA. 13+460 LT.

EBS LT. SIDE ONLY

238.968 238.907 238.886 238.903 239.036 239.120 239.181 239.165 239.135

240 239 238 237 236

13+320 13+340 13+360 13+380 13+400 13+420 13+440 13+460 13+480 13+500

PLAN AND PROFILE | SCALE, METERS 0 12.5 25 | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.20

WISDOT: MSHT42

ORIGINATOR: JPZ DATE: 03/02/98 FILE NAME:
PROJECT NO: 440278 PLOT NAME: SCALE:
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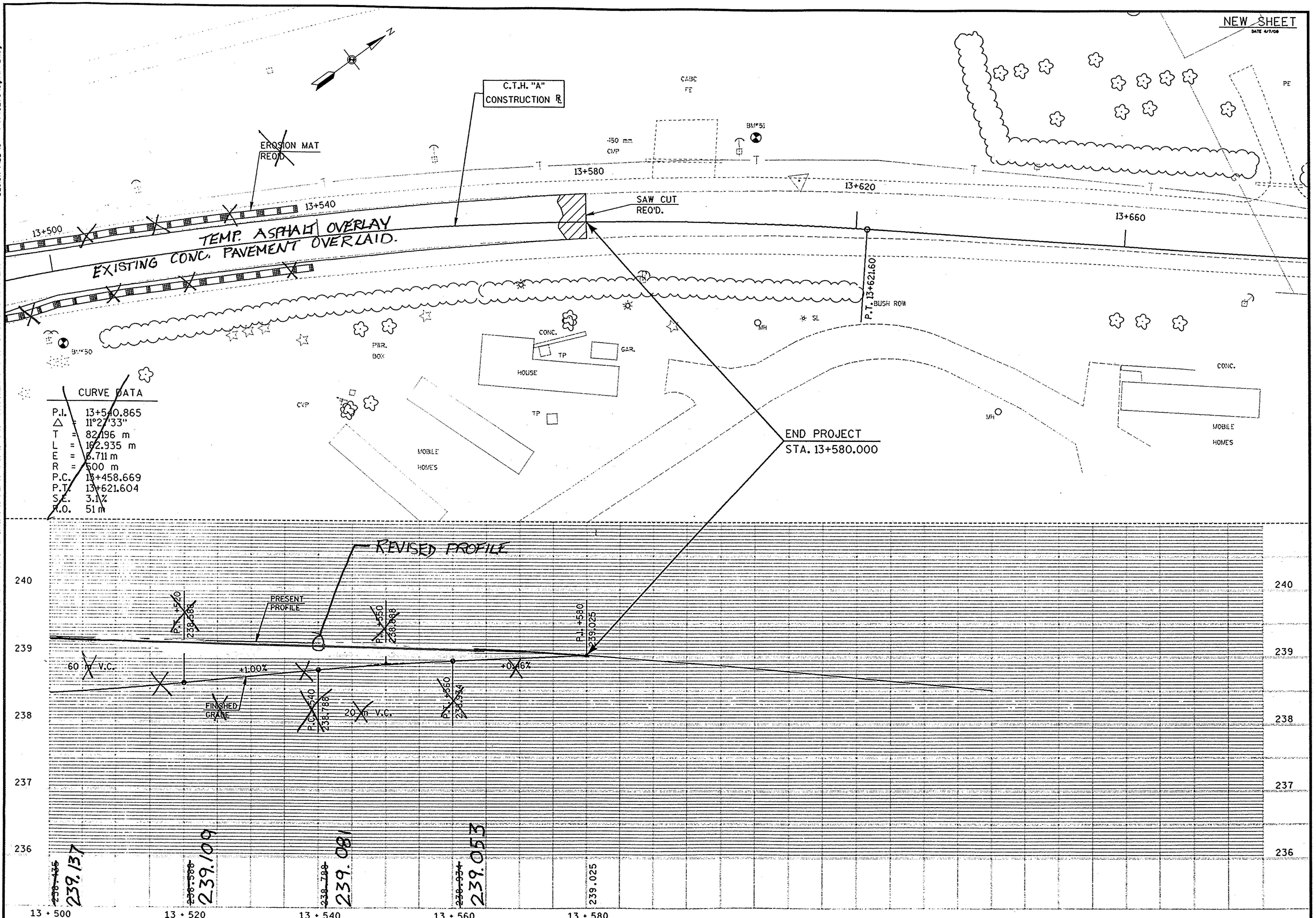
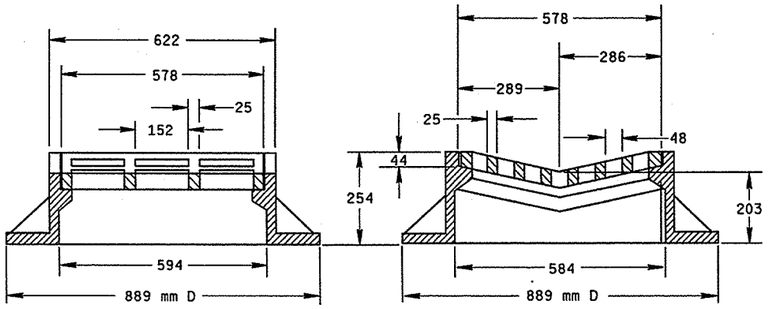
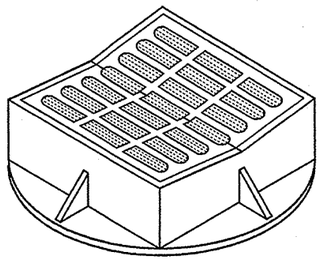

NEW SHEET
C.T.H. "A" CONSTRUCTION ℞
EROSION MAT REQ'D
13+500
13+540
13+580
13+620
13+660
TEMP. ASPHALT OVERLAY
EXISTING CONC. PAVEMENT OVERLAID.
SAW CUT REQ'D.
450 mm CMP
BM#51
BM#50
P.T. 13+621.60
BUSH ROW
CONC.
HOUSE
GAR.
TP
PWR. BOX
MOBILE HOMES
END PROJECT
STA. 13+580.000
CURVE DATA
P.I. = 13+540.865
△ = 11°27'33"
T = 82.196 m
L = 162.935 m
E = 6.711 m
R = 500 m
P.C. = 13+458.669
P.T. = 13+621.604
S.E. = 3.1%
R.O. = 51 m
REVISED PROFILE
PRESENT PROFILE
FINISHED GRADE
+1.00%
+0.46%
60 m V.C.
20 m V.C.
P.I. +580
239.025
240
239
238
237
236
239.137
239.109
239.081
239.053
239.025
13 + 500
13 + 520
13 + 540
13 + 560
13 + 580

ORIGINATOR: DJD
PROJECT NO: 440278.00

PLAN AND PROFILE | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 5.21

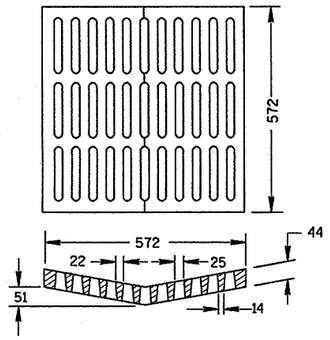




TYPE "B"

(APPROXIMATE WEIGHT 179 kg)

FRAME..... 129 kg
GRATE..... 50 kg

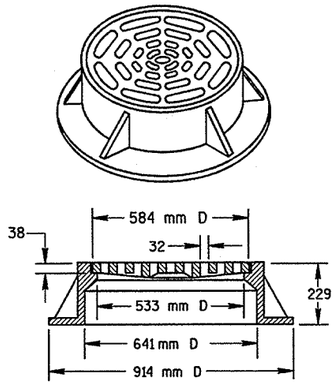


ALTERNATIVE GRATE FOR FOR TYPE "B" COVER

(APPROXIMATE GRATE WEIGHT 57 kg)
GRATE.....57 kg

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.

NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

(APPROXIMATE WEIGHT 154 kg)

FRAME..... 107 kg
GRATE..... 48 kg

GENERAL NOTES

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

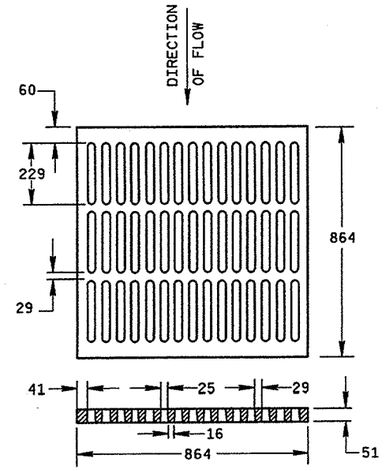
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

NOTES

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

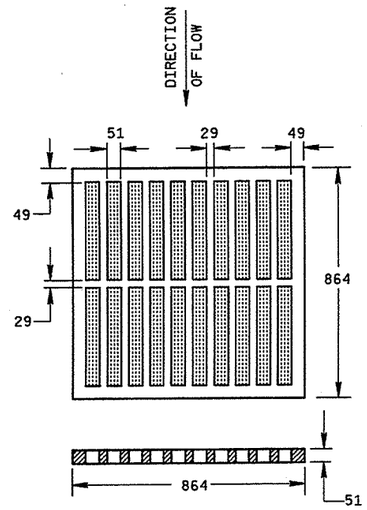


ALTERNATIVE TYPE "MS"

(APPROXIMATE GRATE WEIGHT 166 kg)
GRATE.....166 kg

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

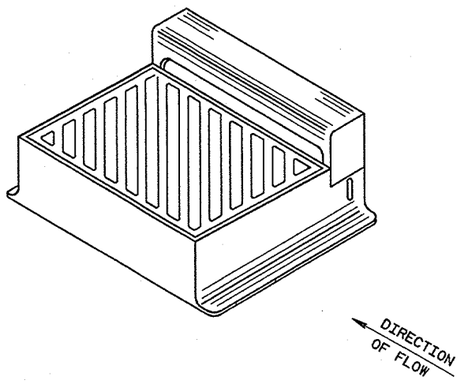


TYPE "MS"

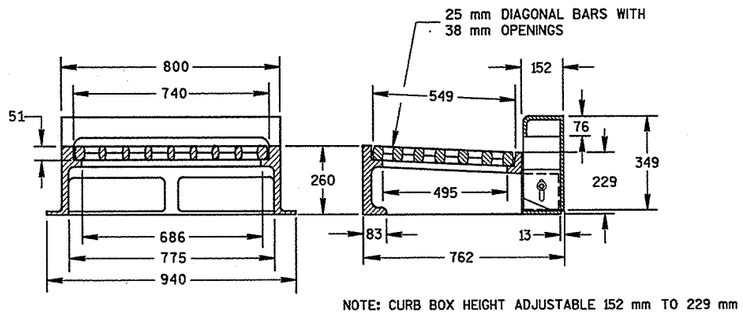
(APPROXIMATE GRATE WEIGHT 122 kg)
GRATE.....122 kg

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 152 mm TO 229 mm

TYPE "WM"

(APPROXIMATE WEIGHT 304 kg)

FRAME.....163 kg
GRATE..... 73 kg
CURB BOX..... 68 kg

INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 8/28/98 DATE — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

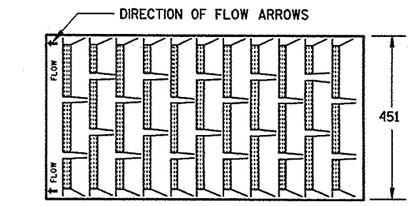
M

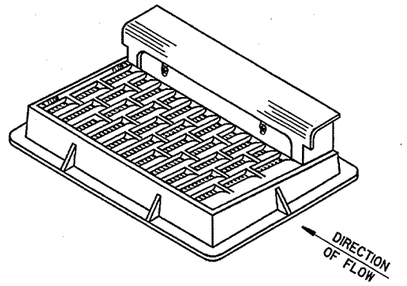
S.D.D. 8 A 5-15b

PLOT SCALE:
PLOT NAME:
REV. DATE:
LEVELS ON • 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:
FILE NAME:

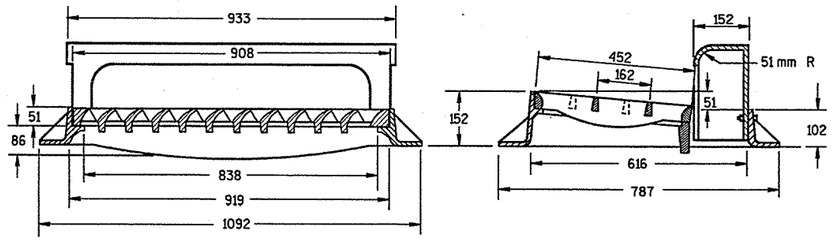
S.D.D. 8 A 5-15b

NOTE:
GRATE IS REVERSIBLE.





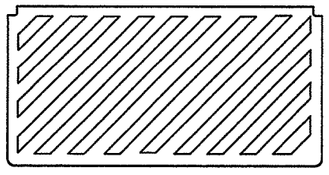
NOTE: CURB BOX HEIGHT ADJUSTABLE 150 mm TO 230 mm



TYPE "H"

(APPROXIMATE WEIGHT 191 kg)
FRAME..... 79 kg
GRATE..... 63 kg
CURB BOX..... 49 kg

300 mm DIAGONAL BARS WITH 41 mm OPENINGS

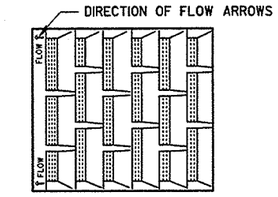


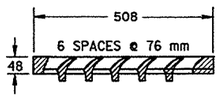
SPECIAL GRATE FOR TYPE "H" COVER

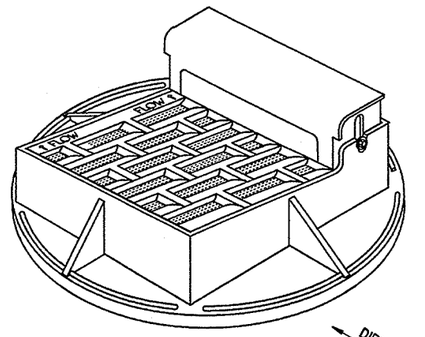
(MEASURES 895 mm X 451 mm X 51 mm)
(APPROXIMATE WEIGHT 78 kg)

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

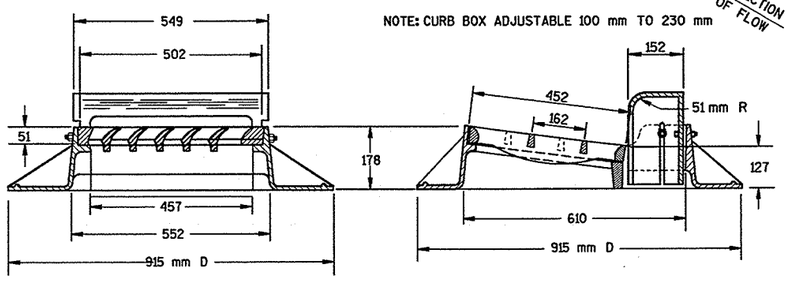
NOTE:
GRATE IS REVERSIBLE.







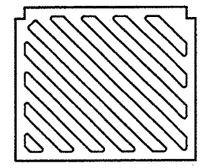
NOTE: CURB BOX ADJUSTABLE 100 mm TO 230 mm



TYPE "A"

(APPROXIMATE WEIGHT 325 LBS.)
FRAME..... 157 LBS.
GRATE..... 84 LBS.
CURB BOX..... 84 LBS.

30 mm DIAGONAL BARS
WITH 30 mm OPENINGS



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 502 mm X 432 mm X 51 mm
GRATE..... 38 kg
(NOTED AS TYPE A-S ON DRAINAGE TABLE)

NOTE:
GRATE IS REVERSIBLE.

GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

NOTE

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE SHOWN.

INLET COVERS
TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

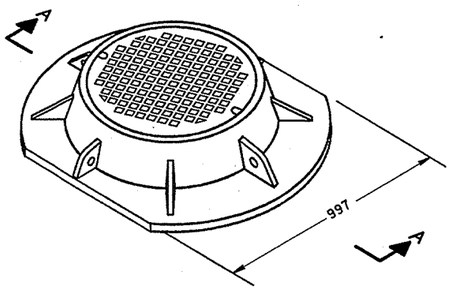
APPROVED
8/27/98
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

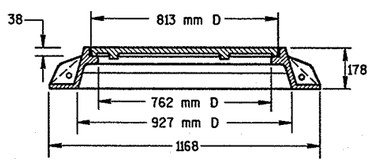
M

S.D.D. 8 A 5-15a

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR:
LEVELS ON - 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
FILE NAME:

S.D.D. 8 A 5-15a



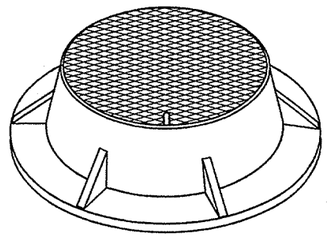


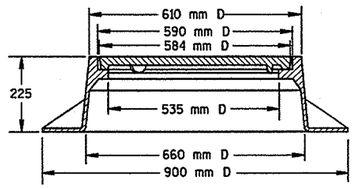
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 188 kg)

FRAME.....95 kg
LID.....93 kg

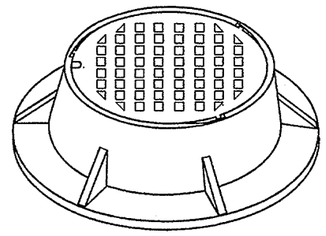


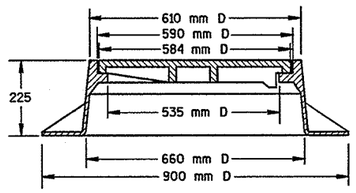


TYPE "J"

(APPROXIMATE WEIGHT 113 kg)

FRAME.....61 kg
LID.....52 kg





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 111 kg)

FRAME.....66 kg
LID.....45 kg

(NOTED AS TYPE J-S ON DRAINAGE TABLE)

GENERAL NOTES

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

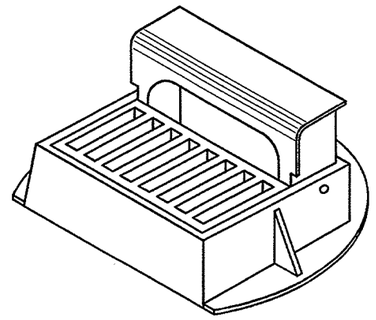
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

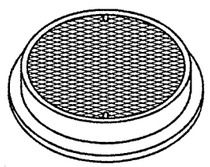
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

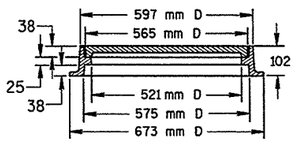
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

NOTE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



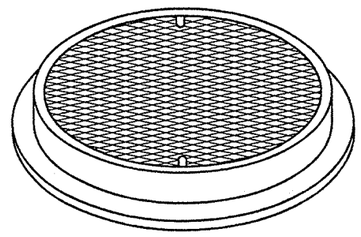


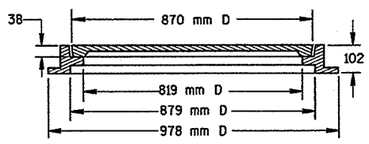


TYPE "L"

(APPROXIMATE WEIGHT 66 kg)

FRAME.....34 kg
LID.....32 kg



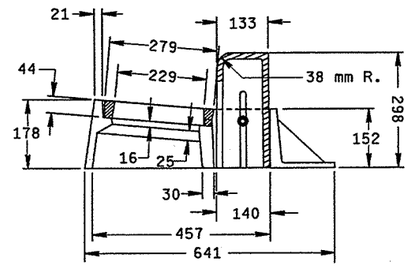


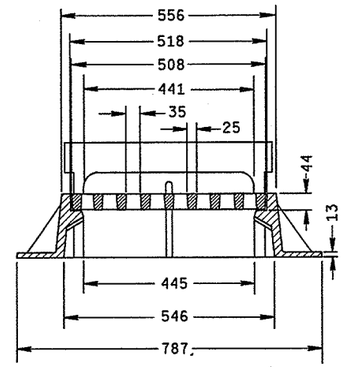
TYPE "M"

(APPROXIMATE WEIGHT 175 kg)

FRAME.....57 kg
LID.....118 kg

CURB BOX ADJUSTABLE 102 mm TO 254 mm





INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 155 kg)

FRAME.....90 kg
GRATE.....23 kg
CURB BOX.....42 kg

INLET COVER, TYPE Z
MANHOLE COVERS, TYPE
K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/27/98
DATE

Roy L. Franzen
CHIEF ROADWAY DEVELOPMENT ENGINEER

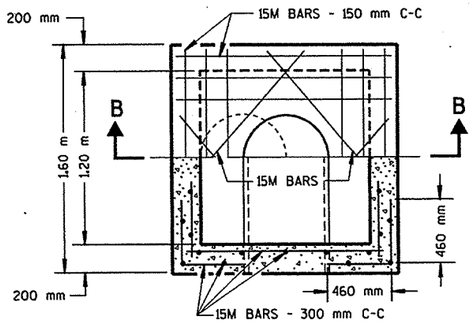
FHWA

M

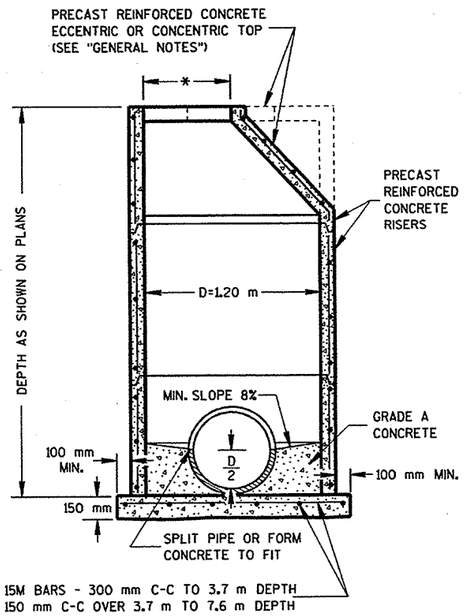
S.D.D. 8 A 5-15d

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR:
LEVELS ON - 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
S.D.D. 8 A 5-15d
FILE NAME:

S.D.D. 8 A 5-15d



HALF SECTION A-A



PRECAST REINFORCED CONCRETE

GENERAL NOTES

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 150 mm IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 1.5 m OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 1.5 m IN DEPTH: 400 mm C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 100 mm FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 250 mm; MINIMUM WALL EMBEDMENT OF 75 mm; AND BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 136 kg FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 25 mm.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 19 mm. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE.

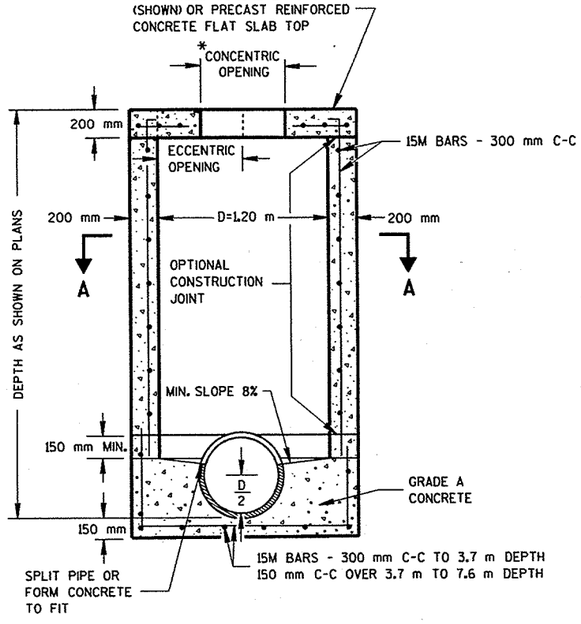
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 50 mm CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

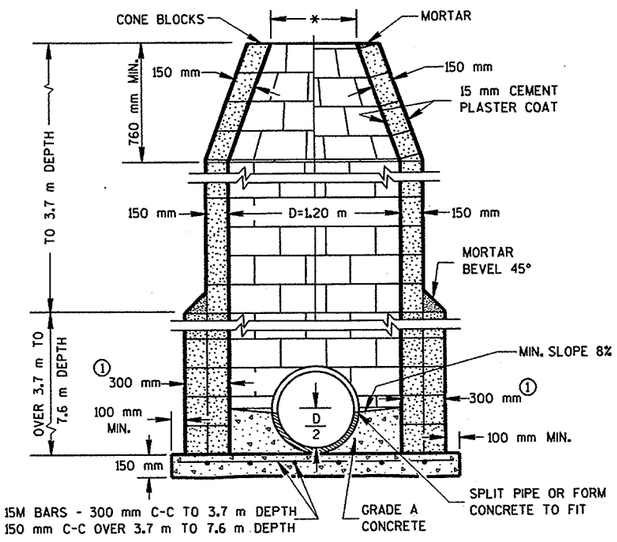
ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199M.

* USE 600 mm DIAMETER OPENING WITH TYPE "C", "L" AND "J" COVERS, OR 900 mm DIAMETER WITH TYPE "K" AND "M" COVERS.

① 2 COURSES 150 mm BLOCK.



SECTION B-B
REINFORCED CONCRETE



CONCRETE BLOCK

MANHOLES TYPE 1

MANHOLES TYPE 1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 02/07/85 DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA
M

S.D.D. 8 B 6-3

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR:
FILE NAME:
LEVELS ON • 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

S.D.D. 8 B 6-3

PLOT SCALE:

PLOT NAME:

REV. DATE:

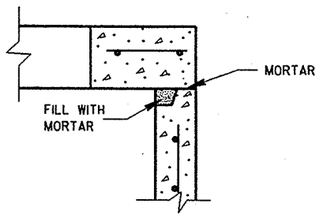
LEVELS ON - 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

ORIGINATOR:

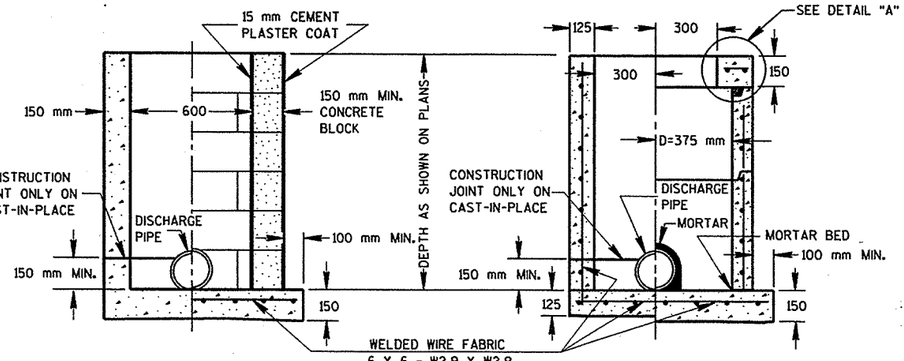
S.D.D. 8 C 1-5

FILE NAME:

*SELECTION OF SQUARE OR CIRCULAR DESIGN WILL BE BASED ON THE PIPE SIZES AND THE INLET COVER BEING UTILIZED



DETAIL "A"



INLETS TYPE 1

GENERAL NOTES

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION 199 M.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 150 mm IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 50 mm CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

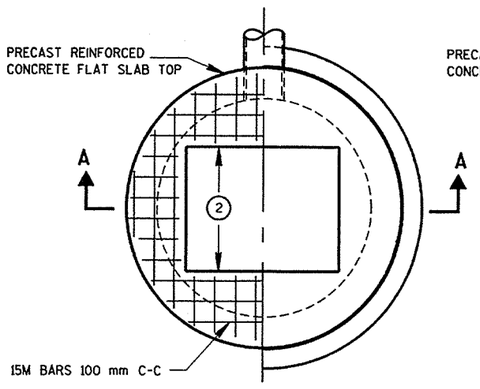
PRECAST REINFORCED CONCRETE RISERS SHALL BE PLACED WITH TONGUE DOWN.

(1) USE 760 mm OPENING FOR TYPE 2 INLETS, 915 mm. OPENING FOR TYPE 3 INLETS, AND 890 mm TYPE 4 INLETS.

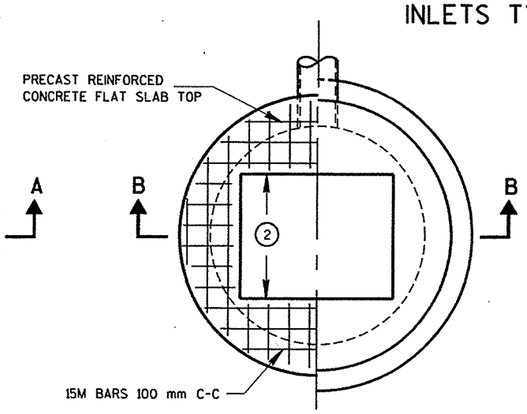
(2) USE 610 mm OPENING FOR TYPE 1, 2 & 3 INLETS, 775 mm OPENING FOR TYPE 4 INLETS.

NOTE

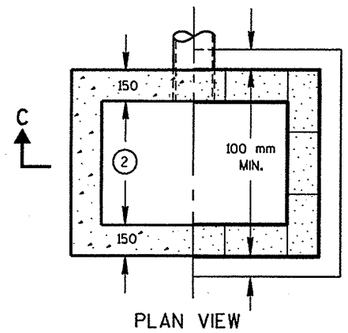
ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



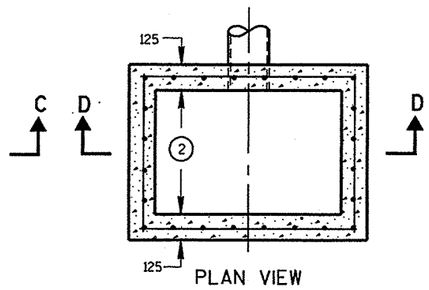
PLAN VIEW



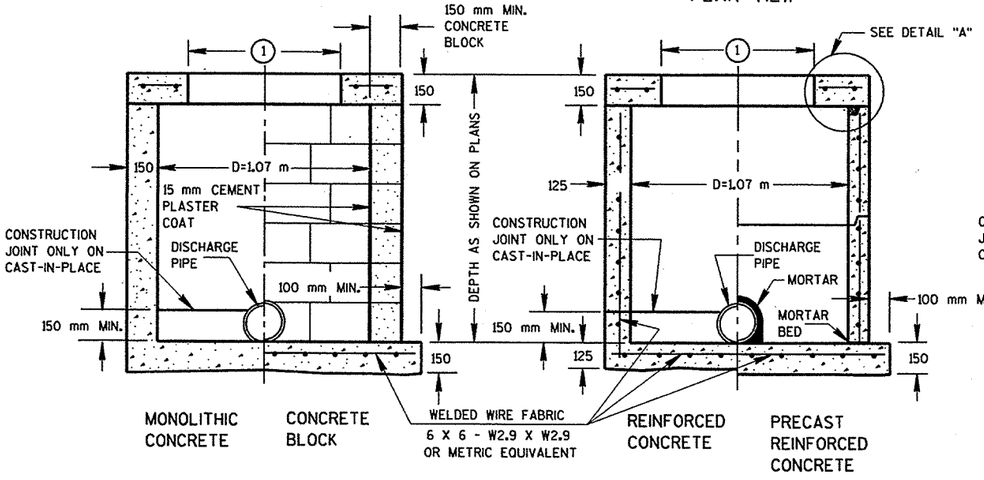
PLAN VIEW



PLAN VIEW



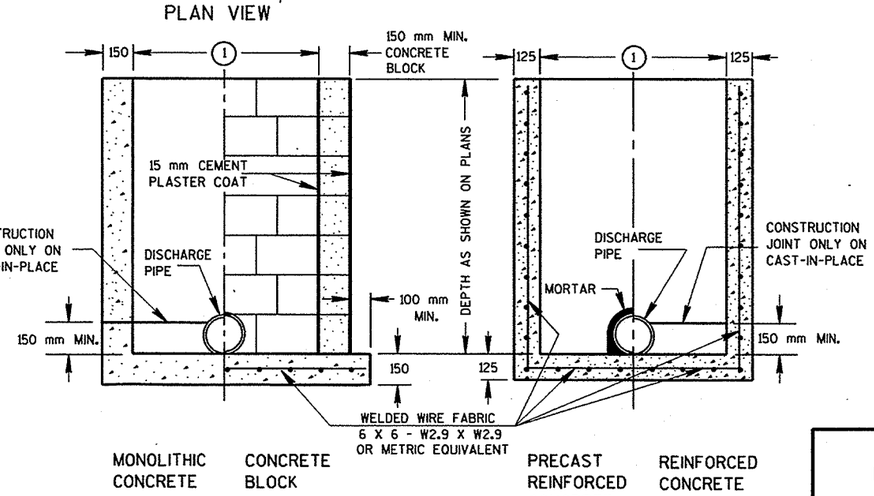
PLAN VIEW



SECTION A-A

SECTION B-B

INLETS TYPE 2, 3 & 4



SECTION C-C

SECTION D-D

INLETS TYPE 1, 2, 3 & 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

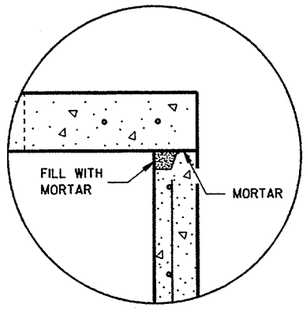
APPROVED 01/31/95 DATE

Roy L. Thimmen
CHIEF ROADWAY DEVELOPMENT ENGINEER

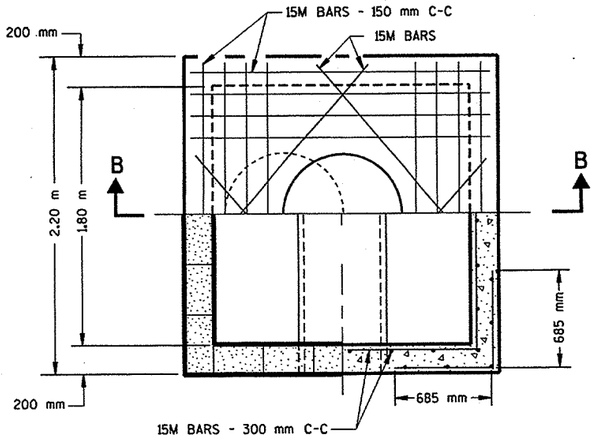
FHWA

M

S.D.D. 8 C 1-5



DETAIL "A"



HALF SECTION A-A

GENERAL NOTES

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

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 1-C", "CATCH BASINS 1-B", "INLETS 3-H", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 150 mm IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 1.5 m IN DEPTH: 400 mm C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 100 mm FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 150 mm; MINIMUM WALL EMBEDMENT OF 75 mm; AND BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 136 kg FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 25 mm.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 19 mm. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 50 mm CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

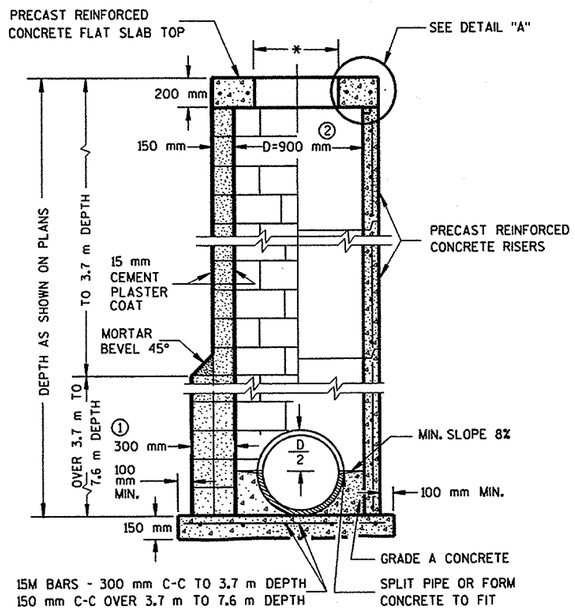
PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199M.

* USE 600 mm DIAMETER OPENING WITH TYPE "C", "L" AND "J" COVERS, OR 900 mm DIAMETER WITH TYPE "K" AND "M" COVERS.

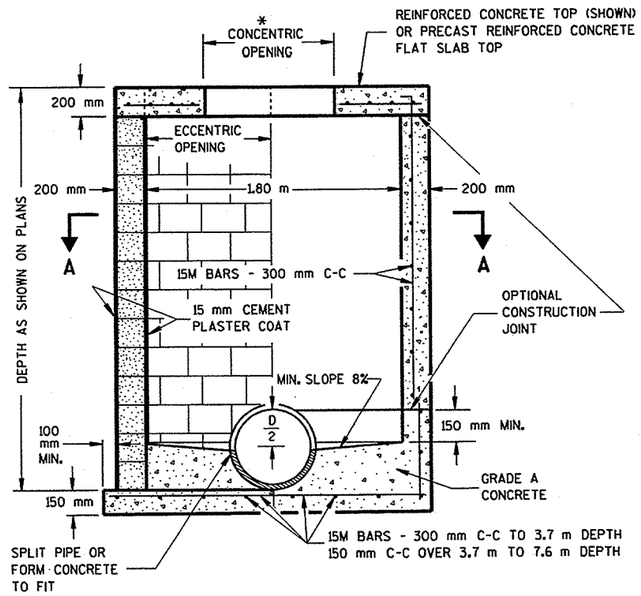
(1) 2 COURSES 150 mm BLOCK.

(2) WHEN CONNECTING PIPES ARE 600 mm OR LARGER THE PRECAST MANHOLES MAY BE INCREASED TO 1.07 m DIAMETER.



CONCRETE BLOCK (2) PRECAST REINFORCED CONCRETE

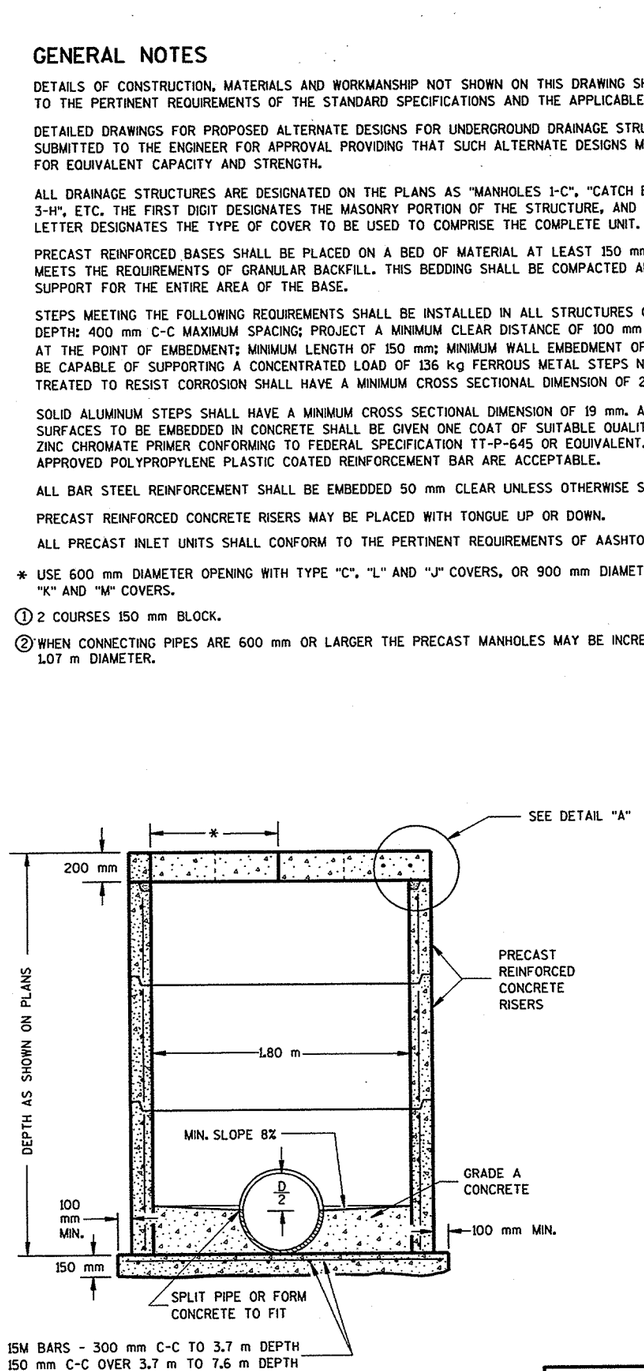
MANHOLES TYPE 2



SECTION B-B

CONCRETE BLOCK REINFORCED CONCRETE

MANHOLES TYPE 3



PRECAST REINFORCED CONCRETE

MANHOLES TYPE 2 & 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 01/27/95 DATE

Rory L. Thompson
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA M

S.D.D. 8 B 7-3

PLOT NAME: PLOT SCALE:

REV. DATE:

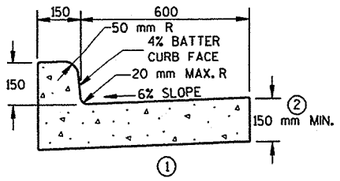
LEVELS ON - 2,3,4,5,6,7,8, 9,10,11,12,13,14,15, 16,17,18,19, 20,21,22, 23,24, 25, 26,27, 28,29,30,31,32,33, 34,35,36,37,38,39, 40,41, 42,43,44,45,46,47, 48, 49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

ORIGINATOR:

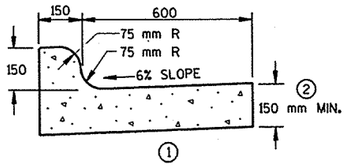
FILE NAME:

S.D.D. 8 B 7-3

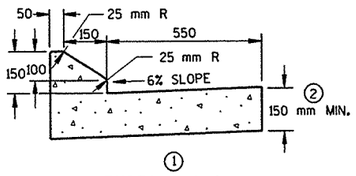
PLOT NAME:
PLOT SCALE:
REV. DATE:
ORIGINATOR:
LEVELS ON - 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
FILE NAME:



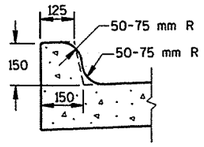
TYPES A & D



TYPES K & L

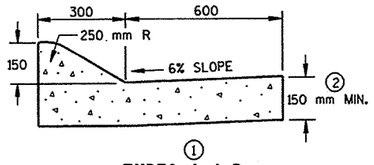


TYPES G & J



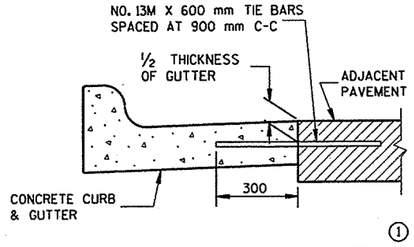
OPTIONAL CURB SHAPE
(1)
FOR TYPES K & L

CONCRETE CURB & GUTTER 750 mm



TYPES A & D

CONCRETE CURB & GUTTER 900 mm



TYPICAL TIE BAR LOCATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 600 mm BEHIND THE BACK OF CURBS.

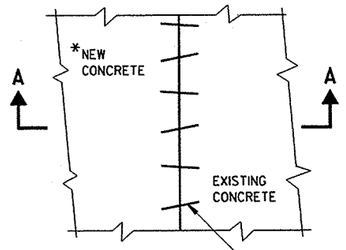
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G AND K.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 150 mm MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

NOTE

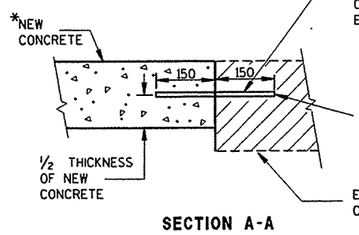
DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.



PLAN VIEW

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

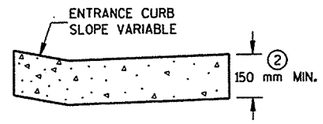
NO. 19M X 300 mm DEF. BARS SPACED 900 mm C-C, INSTALLED ON 6:1 SKEW HORIZONTALLY. DIRECTION OF SKEW ALTERNATING AFTER EVERY ONE OR TWO BARS.



THE HOLE FOR THE BAR SHALL BE DRILLED TO A DEPTH OF 175 mm AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT

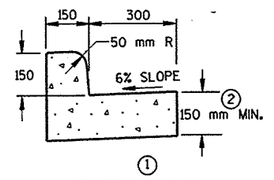
SECTION A-A

PAVEMENT TIES



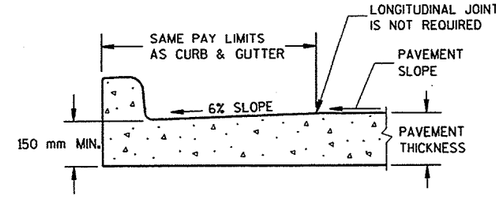
DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENTRANCE)

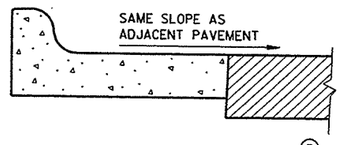


TYPES A & D

CONCRETE CURB & GUTTER 450 mm

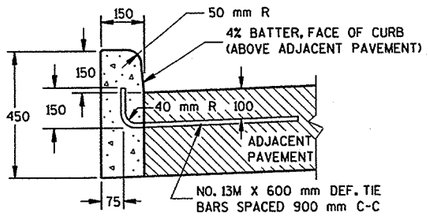


PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER

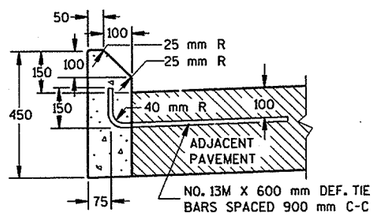


REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



TYPES A & D



TYPES G & J

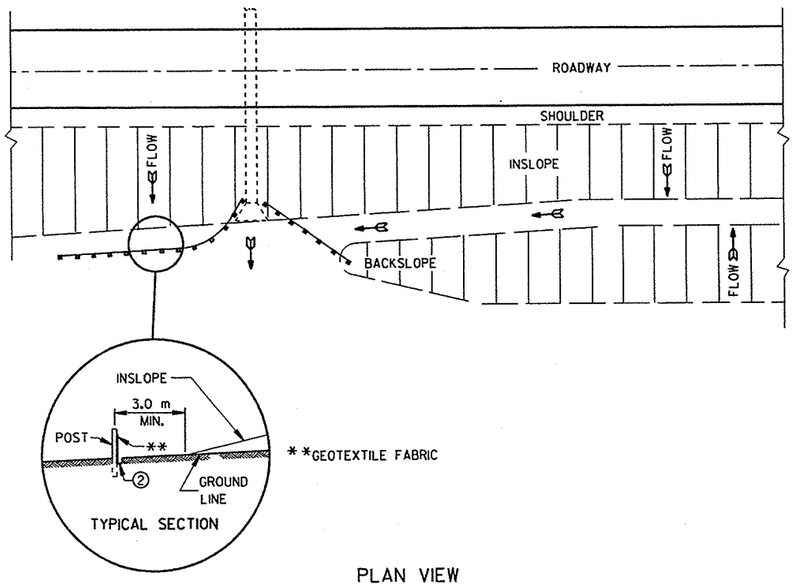
CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 10/22/96 DATE — Roy L. Thimmesch, CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA — M

S.D.D. 8 D 1-12

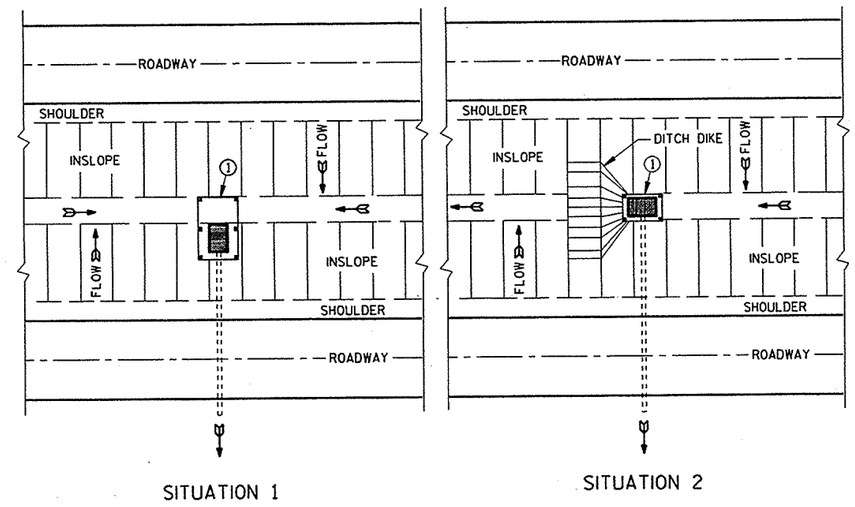
S.D.D. 8 D 1-12

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR:
LEVELS ON • 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,5051,52,53,54,55,56,57,58,59,60,61,62,63
S.D.D. 8 E 9-5
FILE NAME:



PLAN VIEW

TYPICAL APPLICATIONS OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

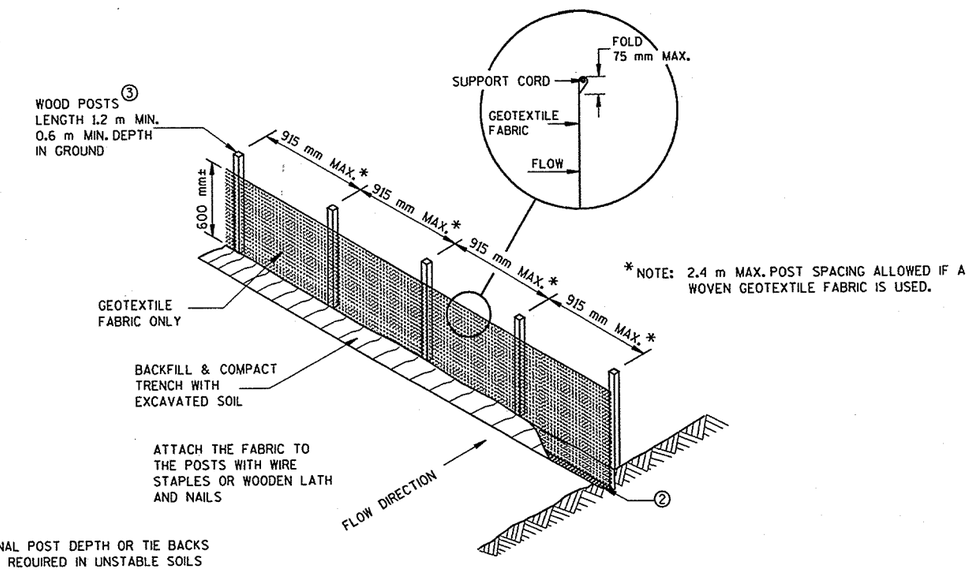
GENERAL NOTES

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

① HORIZONTAL BRACE WITH 50 mm X 100 mm WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.

② TRENCH SHALL BE A MINIMUM OF 100 mm WIDE & 150 mm DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

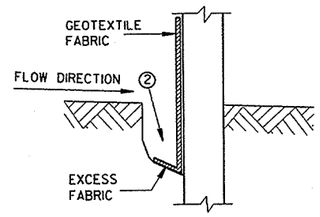
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 30 mm X 30 mm OF OAK OR HICKORY.



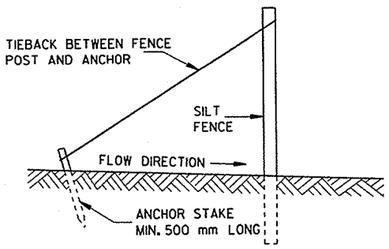
*NOTE: 2.4 m MAX. POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

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

SILT FENCE
(NON-REINFORCED)



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
03/11/96
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA
M

S.D.D. 8 E 9-5

METAL APRON ENDWALLS

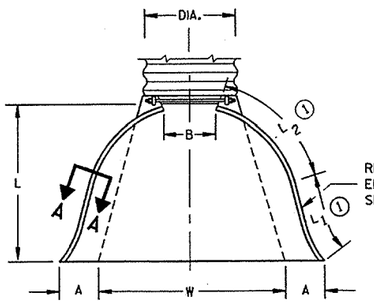
PIPE DIA. (mm)	MIN. THICK. (mm) STEEL	MIN. THICK. (mm) ALUM.	DIMENSIONS (MILLIMETERS) A (±1")	B (MAX.)	H (±1")	L (±1½")	L_1 ①	L_2 ①	W (±2")	APPROX. SLOPE	BODY
300	1.6	1.5	150	150	150	535	305	445	610	1:2.5	1 Pc.
375	1.6	1.5	180	205	150	660	355	552	760	1:2.5	1 Pc.
450	1.6	1.5	205	255	150	790	380	718	915	1:2.5	1 Pc.
525	1.6	1.5	230	305	150	915	455	752	1065	1:2.5	1 Pc.
600	1.6	1.5	255	330	150	1040	455	949	1220	1:2.5	1 Pc.
750	2.0	1.9	305	405	205	1300	455	1327	1525	1:2.5	1 Pc.
900	2.0	1.9	355	480	230	1525	610	1905	1830	1:2.5	2 Pc.
1050	2.8	2.7	405	560	280	1755	610	1921	2135	1:2.5	2 Pc.
1200	2.8	2.7	455	685	305	1980	610	2057	2285	1:2.5	3 Pc.
1350	2.8	2.7	455	760	305	2140	760	2172	2590	1:2.25	3 Pc.
1500	2.8×	2.7×	455	840	305	2210	—	—	2895	1:2	3 Pc.
1650	2.8×	2.7×	455	915	305	2210	—	—	3050	1:2	3 Pc.
1800	2.8×	2.7×	455	990	305	2210	—	—	3200	1:2	3 Pc.
1950	2.8×	2.7×	455	1070	305	2210	—	—	3355	1:1.5	3 Pc.
2100	2.8×	2.7×	455	1145	305	2210	—	—	3505	1:1.5	3 Pc.
2250	2.8×	2.7×	455	940	305	2210	—	—	3660	1:1.5	3 Pc.
2400	2.8×	2.7×	455	890	305	2210	—	—	3960	1:1.5	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

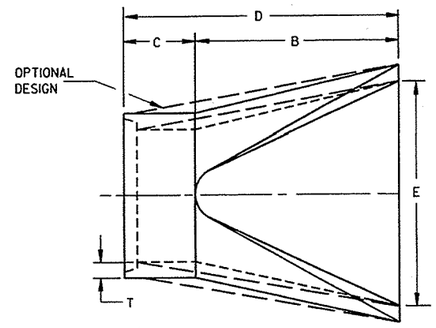
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (mm)	DIMENSIONS (MILLIMETERS) T	A	B	C	D	E	G	APPROX. SLOPE
305	51	102	610	1241	1851	610	51	1:3
380	57	152	686	1168	1854	762	57	1:3
450	64	229	686	1168	1854	914	64	1:3
525	70	229	915	953	1867	1067	70	1:3
600	76	241	1105	762	1867	1219	76	1:3
675	83	267	1257	610	1867	1372	83	1:3
750	89	305	1372	502	1867	1524	89	1:3
900	102	381	1600	883	2483	1829	102	1:3
1050	114	533	1600	889	2489	1981	114	1:3
1200	127	610	1829	660	2489	2134	127	1:3
1350	140	686	1651	* 635 **889	* 2496 ** 2540	2286	140	1:2.4
1500	152	* 762 ** 924	1524	991	2515	2448	127	1:2
1650	165	* 610 ** 762	* 1829 ** 1981	* 533 **686	2515	2591	140	1:2
1800	178	* 610 ** 915	1981	533	2515	2743	152	1:2
1950	190	* 610 ** 915	1981	533	2515	2896	165	1:2
2100	203	915	2299	533	2832	3048	165	1:1.5
2250	216	1041	2222	610	2832	3353	165	1:1.5

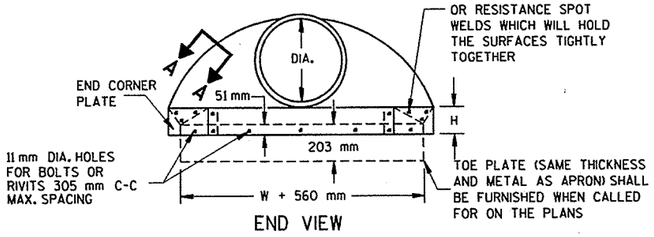
* MINIMUM
** MAXIMUM



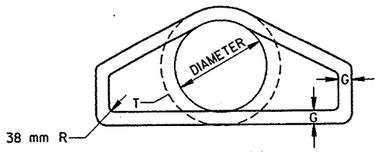
PLAN VIEW



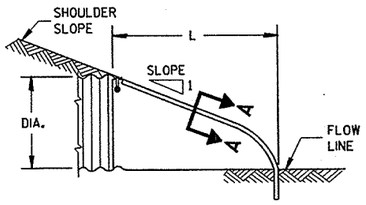
PLAN



END VIEW

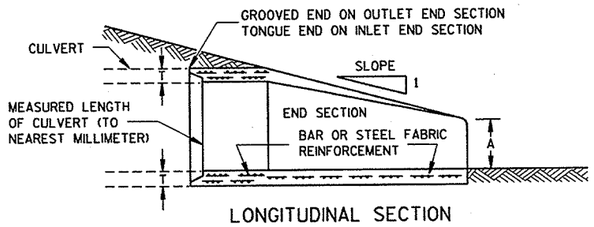


END VIEW



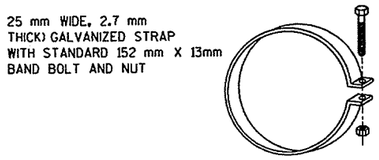
SIDE ELEVATION

METAL ENDWALLS



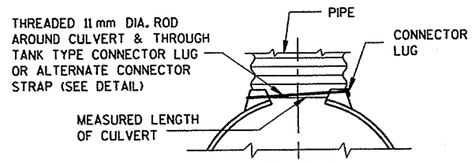
LONGITUDINAL SECTION

CONCRETE ENDWALLS

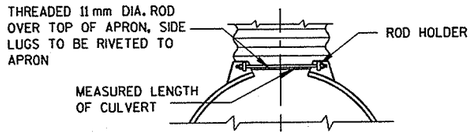


ALTERNATE FOR TYPE 1 CONNECTION

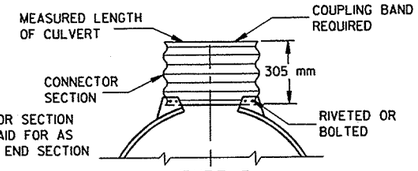
END SECTION CONNECTOR STRAP



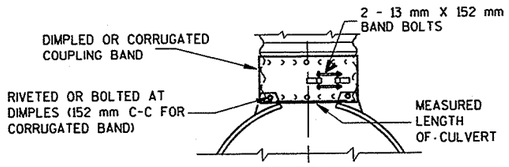
TYPE 1
FOR 300 mm THRU 600 mm CORR. PIPE



TYPE 2
FOR 750 mm THRU 2400 mm CORR. PIPE



TYPE 3
FOR 1050 mm THRU 2400 mm CORR. PIPE



TYPE 5

ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

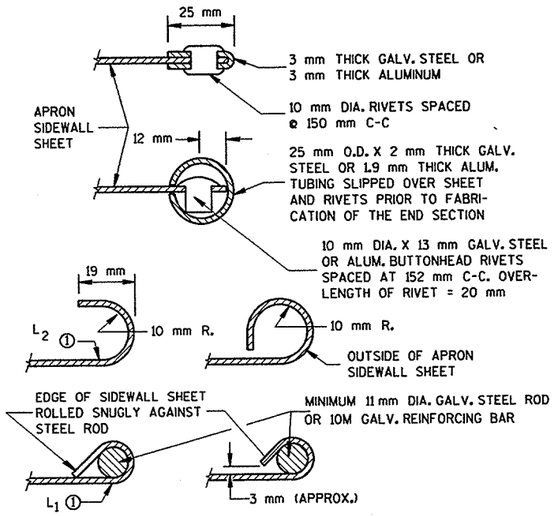
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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

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

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

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 1500 mm DIAMETER PIPE AND LARGER SHALL HAVE 2.8 mm SIDES AND 3.5 mm CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 1500 mm DIAMETER PIPE AND LARGER SHALL HAVE 3.4 mm SIDES AND 3.4 mm CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 1500 mm THROUGH 2400 mm DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 152 mm BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 1500 mm DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

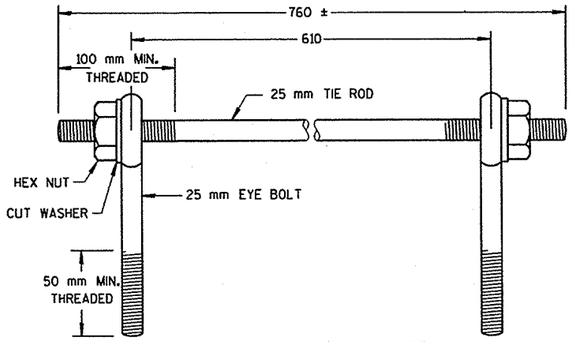
APPROVED 01/27/95 DATE
Roy K. Thunen
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

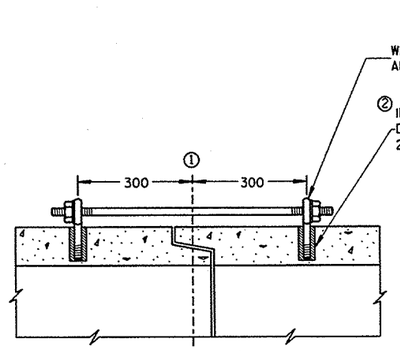
M

S.D.D. 8 F 1-11

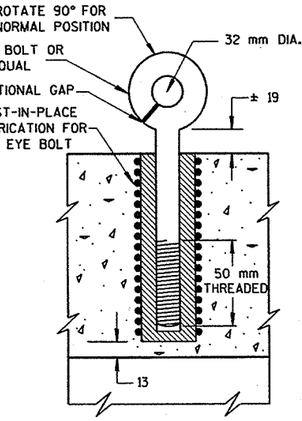
PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR:
LEVELS ON - 2,3,4,5,6,7,8, 9,10,11, 12,13,14,15, 16,17, 18,19, 20,21,22, 23,24,25,26,27, 28,29,30,31,32,33, 34,35,36,37,38,39, 40,41,42,43,44,45,46,47,48, 49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
S.D.D. 8 F 1-11
FILE NAME:



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)



LONGITUDINAL SECTIONS

GENERAL NOTES

CONCRETE CULVERT PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED ON THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES. UNLESS OTHERWISE STATED IN THE CONTRACT THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE CULVERT PIPE AS INDICATED ON THE PLANS AND BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO CULVERT PIPE, REINFORCED CONCRETE CULVERT PIPE, OR REINFORCED CONCRETE PIPE CATTLE PASS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

① CENTERLINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

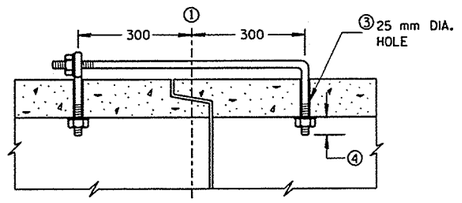
③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED.

④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 50 mm.

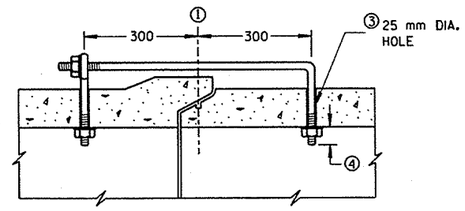
⑤ ROD DIAMETER + 25 mm.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 13 mm OF THE INNER SURFACE OF THE PIPE.

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)



(TONGUE & GROOVE PIPE)



(MODIFIED BELL PIPE)

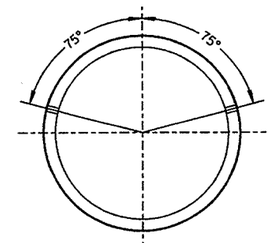
LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
400-600	115	160
750	130	180
900	140	180
1000	150	
1200	165	
1500	190	
1650	200	

ADJUSTABLE TIE ROD TABLE

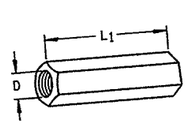
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
300-1500	16	16	125	13
1650-2100	19	19	125	13
2250-2700	25	25	180	36



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION

TAPERED



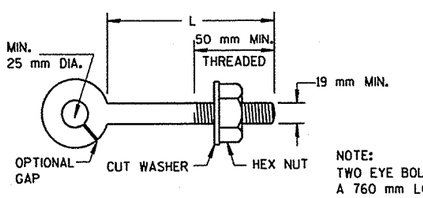
PLAIN

RIGHT AND LEFT THREADS

SLEEVE NUTS

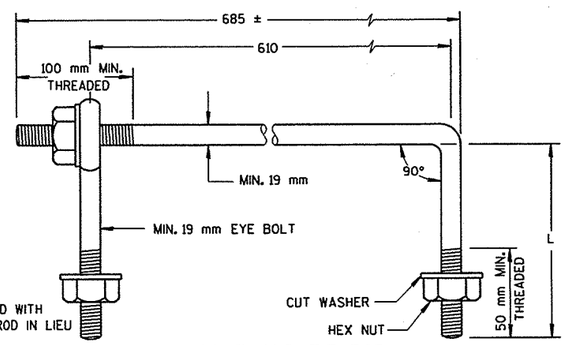
NOTE

ALL DIMENSIONS IN THIS DRAWING ARE IN MILLIMETERS.



EYE BOLT

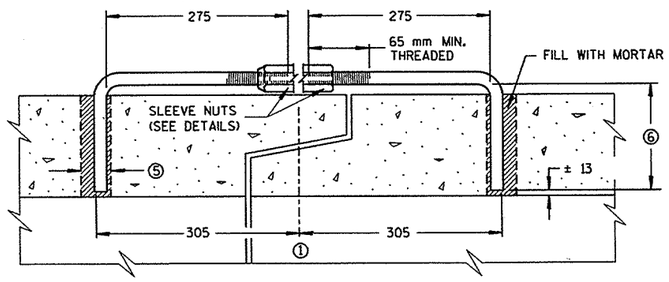
NOTE:
TWO EYE BOLTS MAY BE USED WITH A 760 mm LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

(JOINT TIES FOR 450 mm TO 1650 mm DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)



LONGITUDINAL SECTION

(JOINT TIES FOR 300 mm TO 2700 mm DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)

JOINT TIES FOR CONCRETE PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 01/27/95 DATE

Roy J. Thompson
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

M

S.D.D. 8 F 4-5

PLOT SCALE:

PLOT NAME:

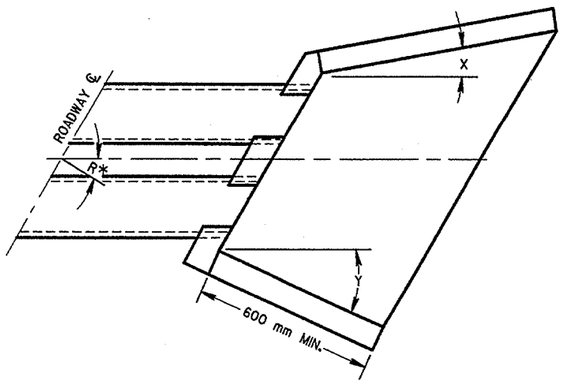
REV. DATE:

ORIGINATOR:

LEVELS ON - 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

FILE NAME:

S.D.D. 8 F 4-5



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

GENERAL NOTES

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

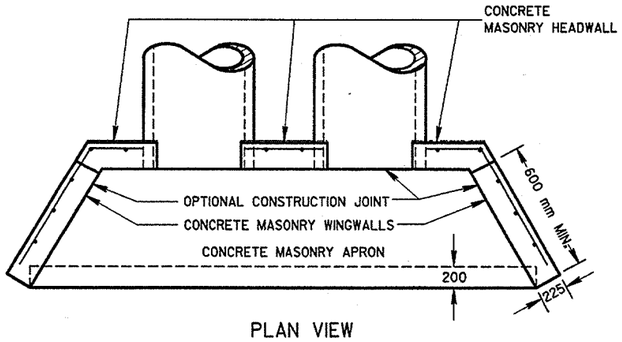
FILL SLOPES FLATTER THAN 1:2.5 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 50 mm CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6 X 6 - W4.0 X W4.0 (OR METRIC EQUAVALENT) OR 5M BARS SPACED 300 mm C-C IN BOTH DIRECTIONS.

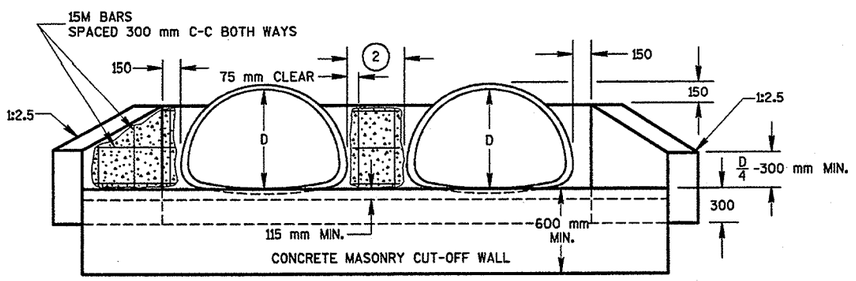
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 1220 mm	600 mm
OVER 1220 mm TO 1830 mm	½ DIA. OR SPAN
OVER 1830 mm	915 mm



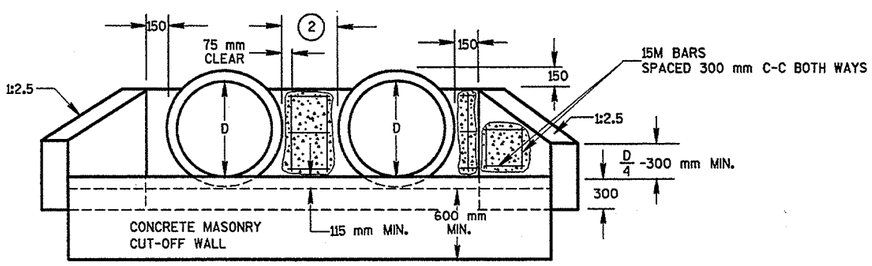
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



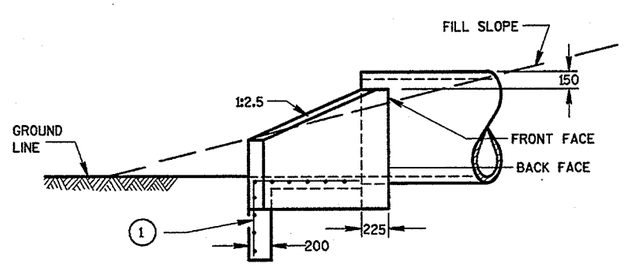
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

CULVERT PIPE AND PIPE ARCH

NOTE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

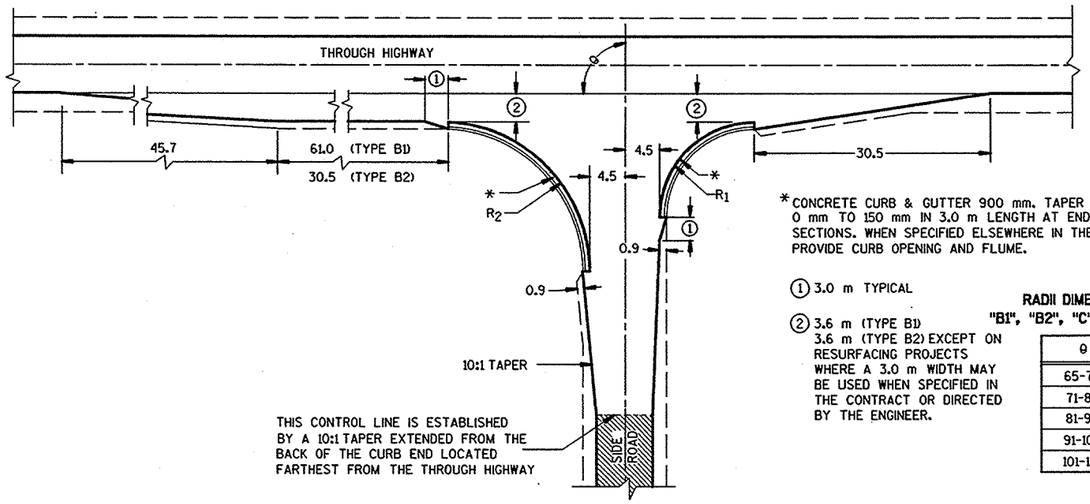
APPROVED 9/4/98 DATE

CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

M

S.D.D. 8 F 10-1



TYPE "B1" AND "B2"

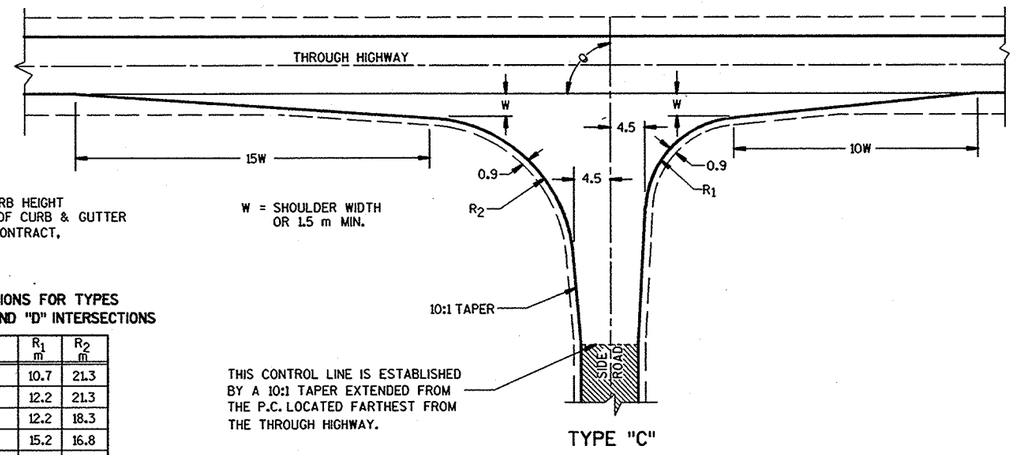
* CONCRETE CURB & GUTTER 900 mm. TAPER CURB HEIGHT 0 mm TO 150 mm IN 3.0 m LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 3.0 m TYPICAL

② 3.6 m (TYPE B1)
3.6 m (TYPE B2) EXCEPT ON RESURFACING PROJECTS WHERE A 3.0 m WIDTH MAY BE USED WHEN SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

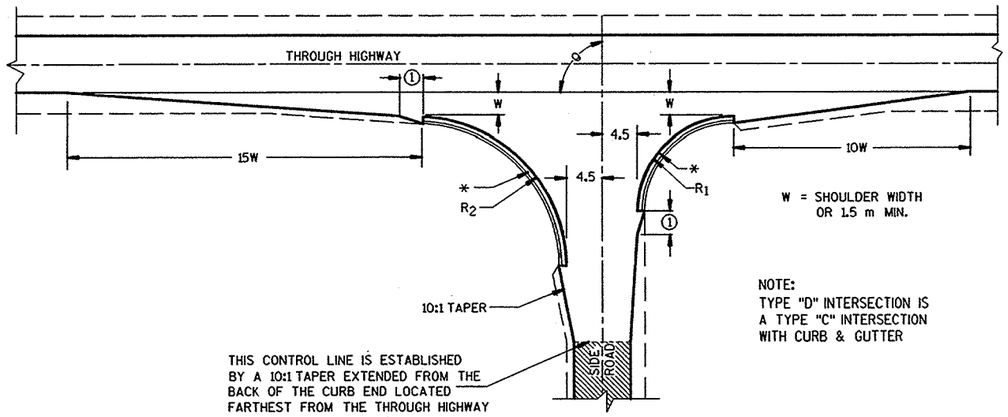
RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1 m	R_2 m
65-70	10.7	21.3
71-80	12.2	21.3
81-90	12.2	18.3
91-100	15.2	16.8
101-110	18.3	13.7



W = SHOULDER WIDTH OR 1.5 m MIN.

TYPE "C"



W = SHOULDER WIDTH OR 1.5 m MIN.

NOTE:
TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB & GUTTER

TYPE "D"

GENERAL NOTES

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

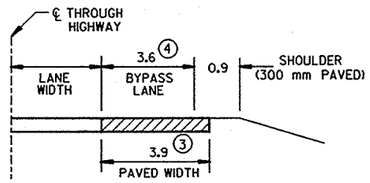
SIDE ROAD SURFACING NOTE

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

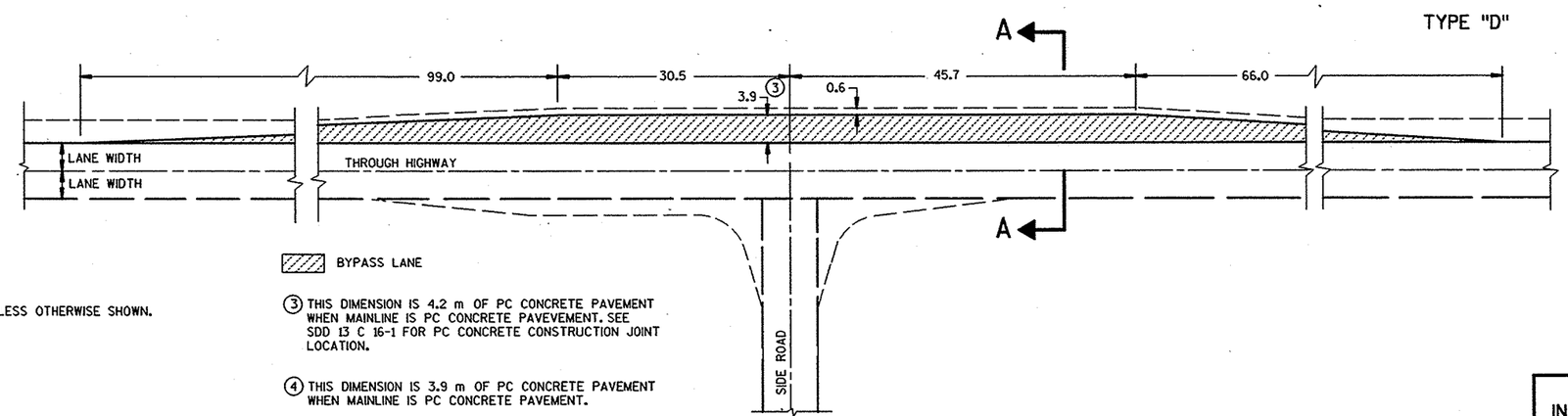
WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

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

▨ EXISTING SURFACE



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



▨ BYPASS LANE

③ THIS DIMENSION IS 4.2 m OF PC CONCRETE PAVEMENT WHEN MAINLINE IS PC CONCRETE PAVEVEMENT. SEE SDD 13 C 16-1 FOR PC CONCRETE CONSTRUCTION JOINT LOCATION.

④ THIS DIMENSION IS 3.9 m OF PC CONCRETE PAVEMENT WHEN MAINLINE IS PC CONCRETE PAVEMENT.

TEE INTERSECTION BYPASS LANE DETAIL

NOTE:

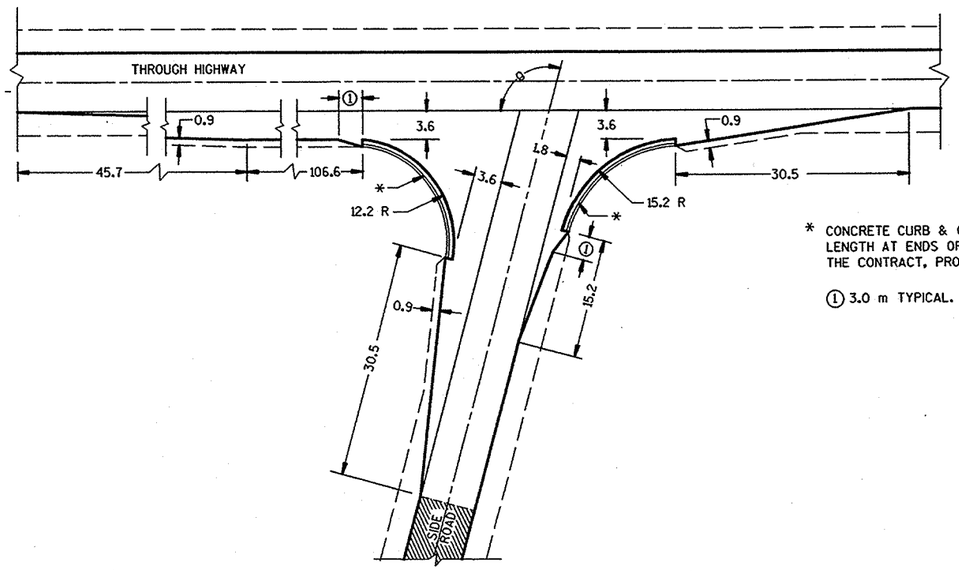
ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION M

S.D.D. 9 A 1-11a

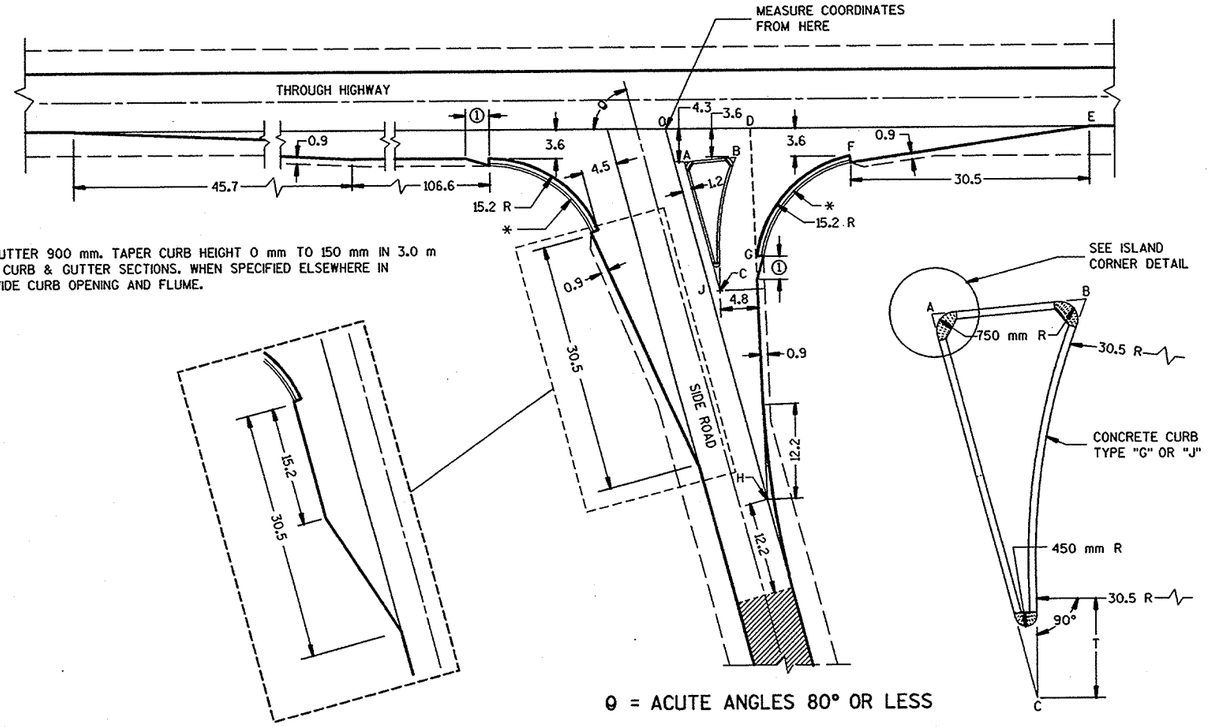
S.D.D. 9 A 1-11a



θ = MORE THAN 80°

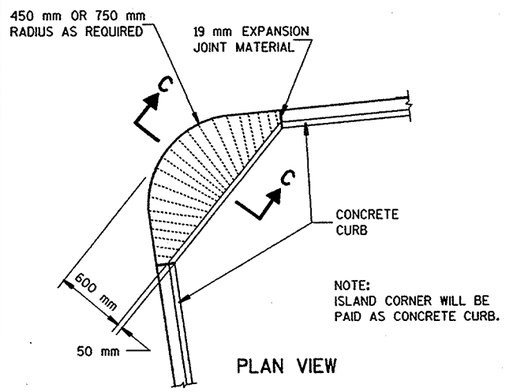
* CONCRETE CURB & GUTTER 900 mm. TAPER CURB HEIGHT 0 mm TO 150 mm IN 3.0 m LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 3.0 m TYPICAL.



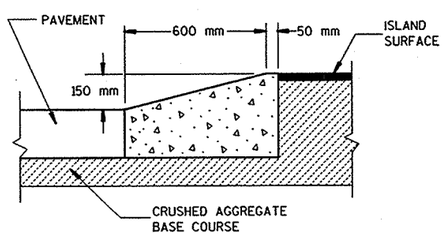
θ = ACUTE ANGLES 80° OR LESS

SIDE ROAD WIDENING AND TAPER REQUIRED WHERE THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS



NOTE:
ISLAND CORNER WILL BE PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

EXISTING SURFACE

NOTE:

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN.

TABLE OF DIMENSIONS FOR VARIABLE SIDE ROAD INTERSECTION ANGLES

(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE θ DEGREES	COORDINATES IN METERS (MEASURED FROM POINT "0") X/Y								LENGTH IN METERS				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	3.87 / -4.30	13.52 / -3.60	14.13 / -22.07	12.59 / 0.0	61.85 / 0.0	31.72 / -3.60	19.40 / -22.96	25.90 / -44.85	9.68	20.52	1.80	26.18	51.79
65	3.33 / -4.30	11.74 / -3.60	11.51 / -21.84	11.84 / 0.0	59.15 / 0.0	29.02 / -3.60	16.39 / -21.75	21.50 / -46.10	8.44	19.36	2.90	24.66	50.87
70	2.84 / -4.30	10.19 / -3.60	9.06 / -21.39	11.22 / 0.0	56.76 / 0.0	26.62 / -3.60	13.79 / -20.52	17.11 / -47.00	7.38	18.19	3.78	23.20	50.02
75	2.39 / -4.30	8.82 / -3.60	6.79 / -20.71	10.72 / 0.0	54.60 / 0.0	24.47 / -3.60	11.53 / -19.28	12.73 / -47.51	6.46	16.99	4.46	21.76	49.19
80	1.98 / -4.30	7.61 / -3.60	4.72 / -19.87	10.32 / 0.0	52.67 / 0.0	22.54 / -3.60	9.60 / 18.02	8.41 / -47.69	5.68	15.81	5.02	20.39	48.43

TYPE "A" SIDE ROAD INTERSECTION DETAILS

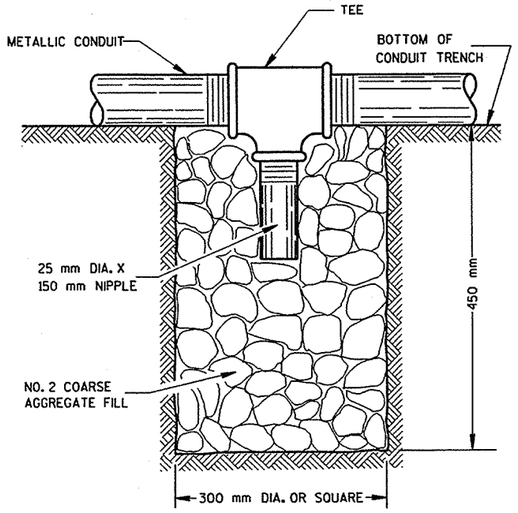
AT-GRADE SIDE ROAD INTERSECTION, TYPE "A"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 4/03/98 DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA M

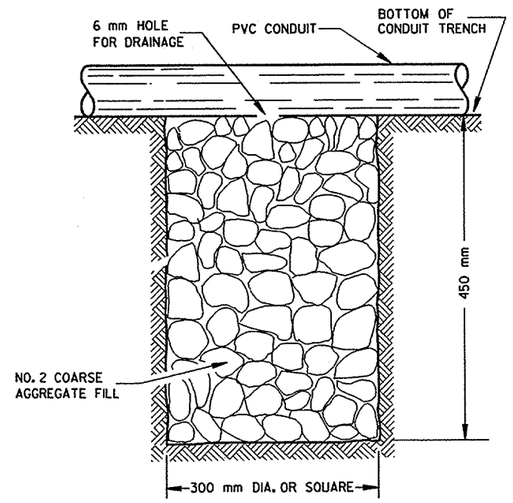
S.D.D. 9 A 1-11b

S.D.D. 9 A 1-11b



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METRIC MEASUREMENTS ARE BASED ON 25 mm (NOMINAL) PER INCH.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 600 mm MINIMUM AND 900 mm MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 450 mm MIN. AND 900 mm MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

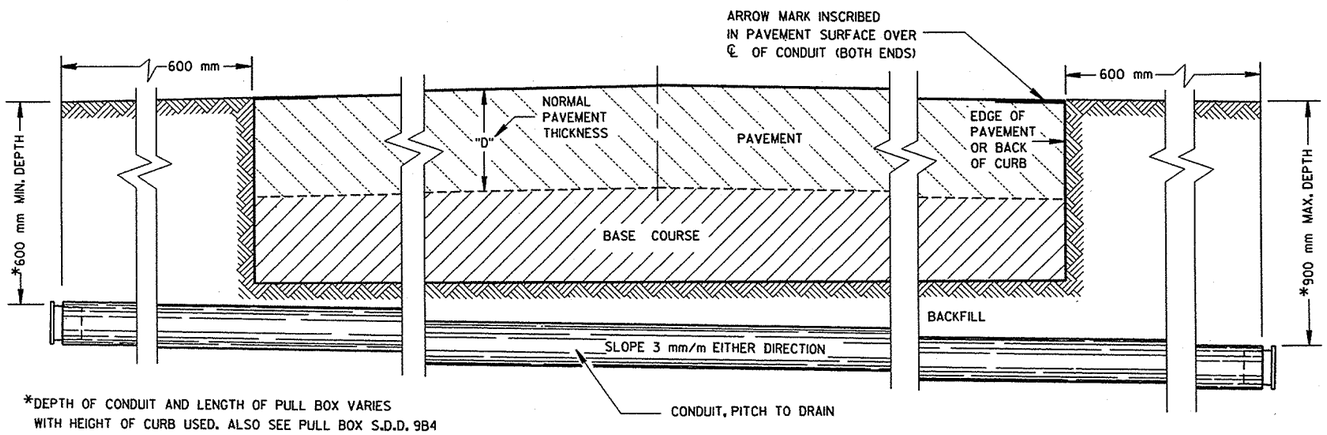
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

POLY ROPE OR A PULL WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.11.

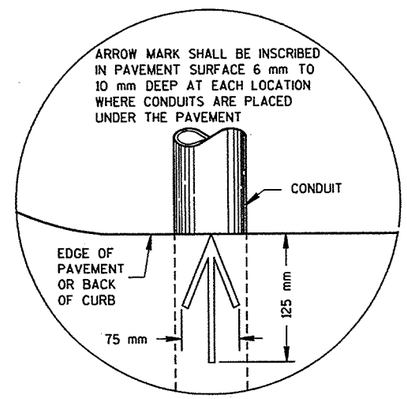
ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER.



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS



PLAN VIEW

ARROW MARK

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 10/21/96 DATE

STATE ELECTRICAL ENGINEER FOR HIGHWAYS

FHWA

M

S.D.D. 9 B 2-6

PLOT NAME:

PLOT SCALE:

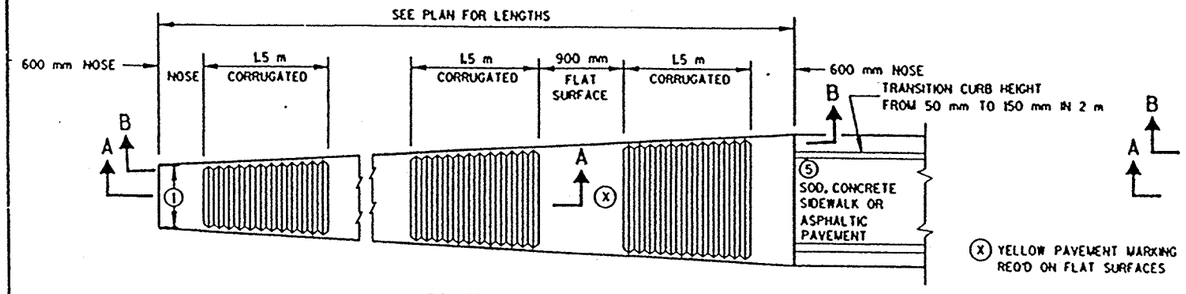
REV. DATE:

ORIGINATOR:

LEVELS ON - 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

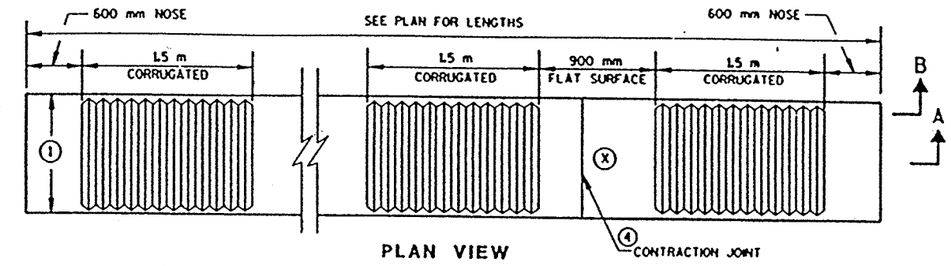
S.D.D. 9 B 2-6

FILE NAME:



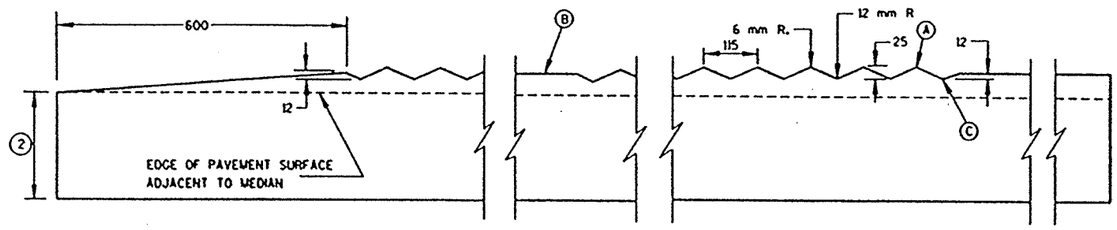
PLAN VIEW

VARIABLE WIDTH CONCRETE CORRUGATED MEDIAN



PLAN VIEW

UNIFORM WIDTH CONCRETE CORRUGATED MEDIAN



SECTION A-A

LONGITUDINAL SECTION

GENERAL NOTES

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

(1) SEE PLANS FOR CONSTANT OR VARIABLE WIDTH.

(2) THE DEPTH OF THE CONCRETE MEDIAN SHALL EQUAL THE DEPTH OF THE ADJACENT PAVEMENT STRUCTURE. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN IN THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

(2) ASPHALTIC CONCRETE OVER NEW OR EXISTING CONCRETE BASE COURSE.

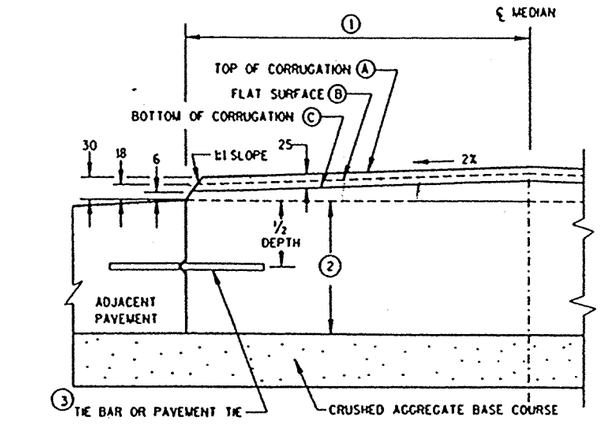
(3) ASPHALTIC PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(3) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 13 X 600 mm SPACED AT 600 mm C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 19 X 300 mm SPACED AT 900 mm C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

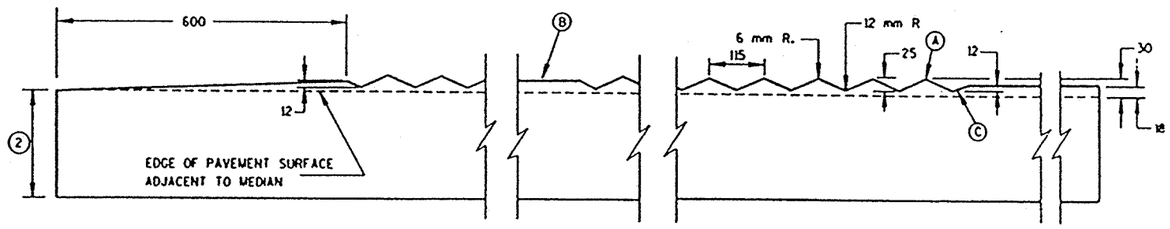
(4) CONCRETE PAVEMENT TRANSVERSE CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH THE JOINTS IN ADJACENT CONCRETE PAVEMENT. WHERE ADJACENT PAVEMENT IS ASPHALT WITH CRUSHED AGGREGATE BASE. TRANSVERSE CONTRACTION JOINTS SHALL BE PROVIDED AT 6 m INTERVALS.

(5) SURFACE TYPE AND DETAILS ARE DEFINED ELSEWHERE IN THE PLAN.



HALF CROSS SECTION

(2) CONCRETE CORRUGATED MEDIAN AND AJACENT PAVEMENT



SECTION B-B

LONGITUDINAL SECTION

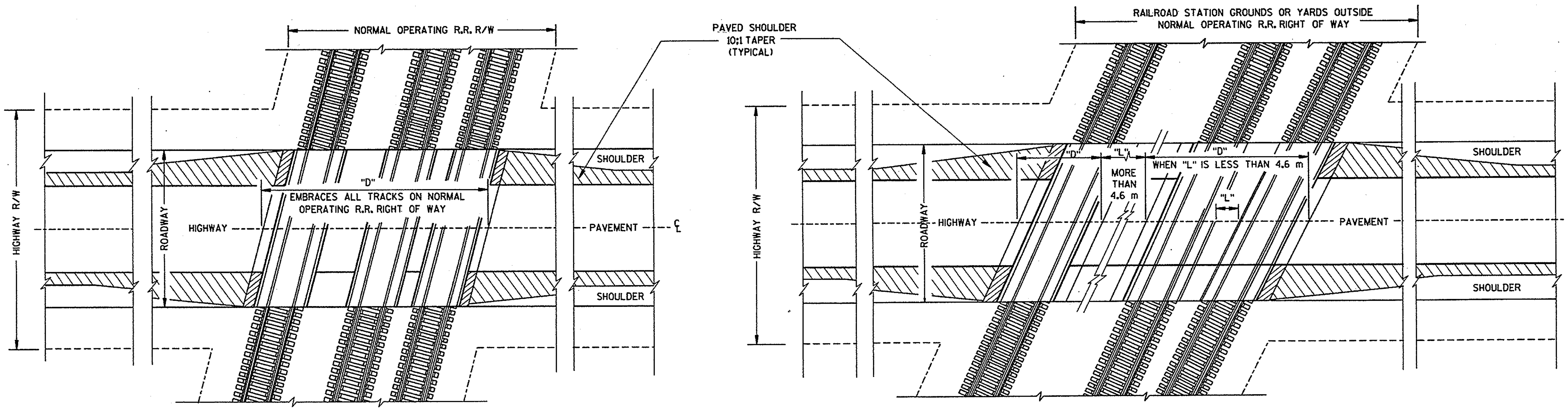
NOTE:

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

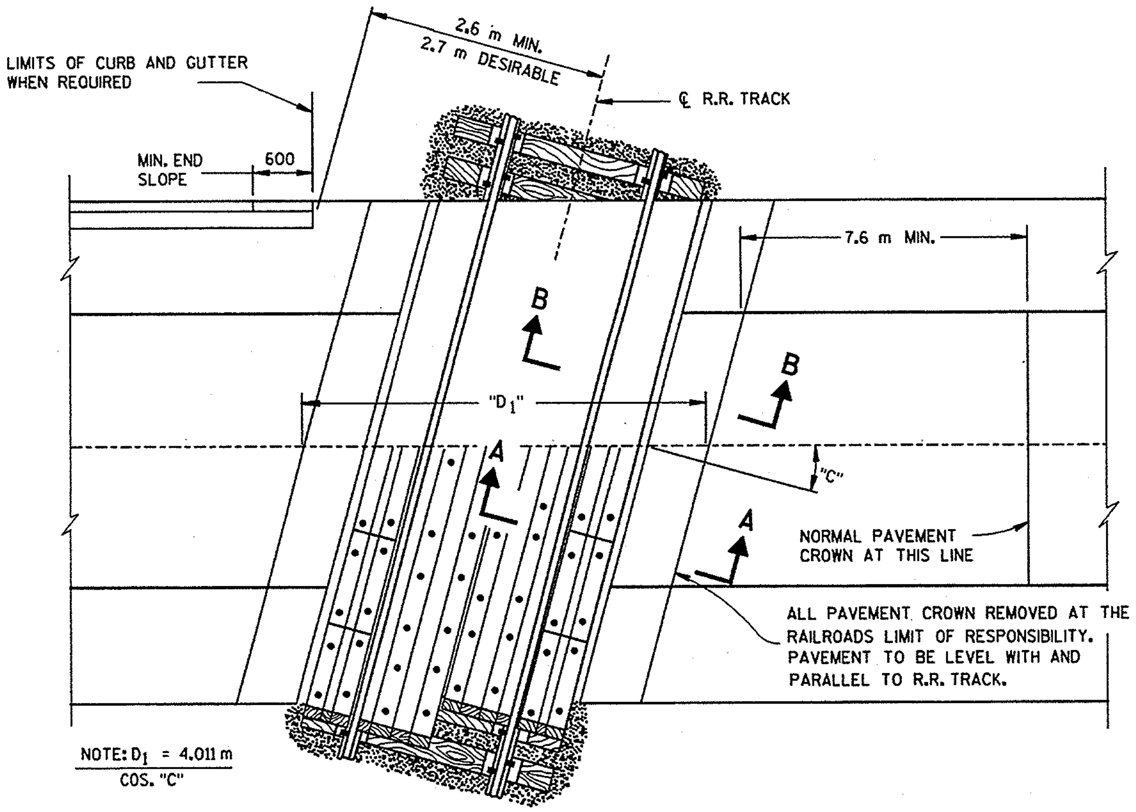
CONCRETE CORRUGATED MEDIAN
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 07/30/98 DATE — CHIEF ROADWAY DEVELOPMENT ENGINEER — M

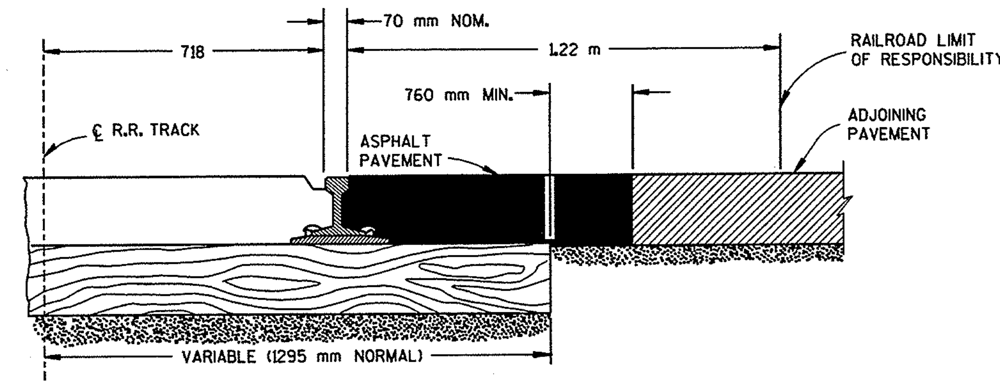
S.D.D. 11 B 1-1

S.D.D. 11 B 1-1

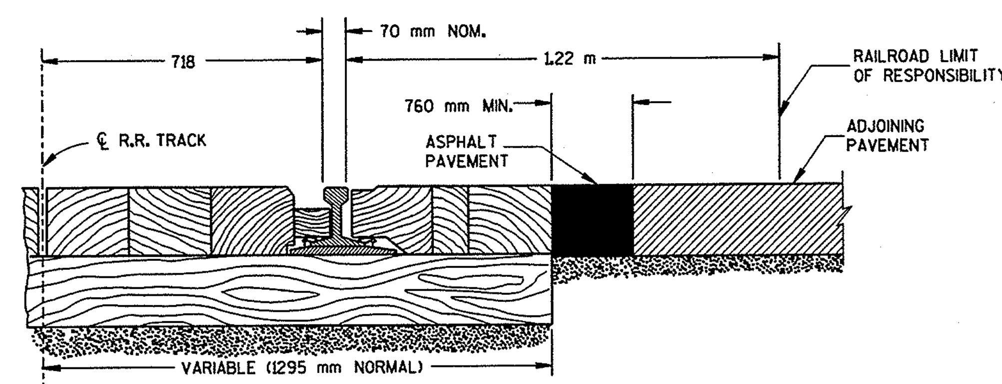


TYPICAL TYPES OF RAILROAD GRADE CROSSING SHOWING THE RAILROAD'S LIMIT OF RESPONSIBILITY AND MEASUREMENT DETAILS





SECTION B-B



SECTION A-A

RAILROAD APPROACH CONSTRUCTION DETAILS

GENERAL NOTES

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

"D" & "D_1" = EXCEPTION TO NET LENGTH OF ℄. PAVING OR SURFACING AND SHOULDER MATERIAL WITHIN LIMITS DESIGNATED BY "D" OR "D_1" TO BE AT EXPENSE OF RAILROAD COMPANY. TRACKAGE TO INDUSTRIAL SITES TO BE TREATED SAME AS TRACKAGE TO R.R. STATION GROUNDS OR YARDS OUTSIDE OF NORMAL OPERATING R/W.

MODULAR CROSSINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

NOTE

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

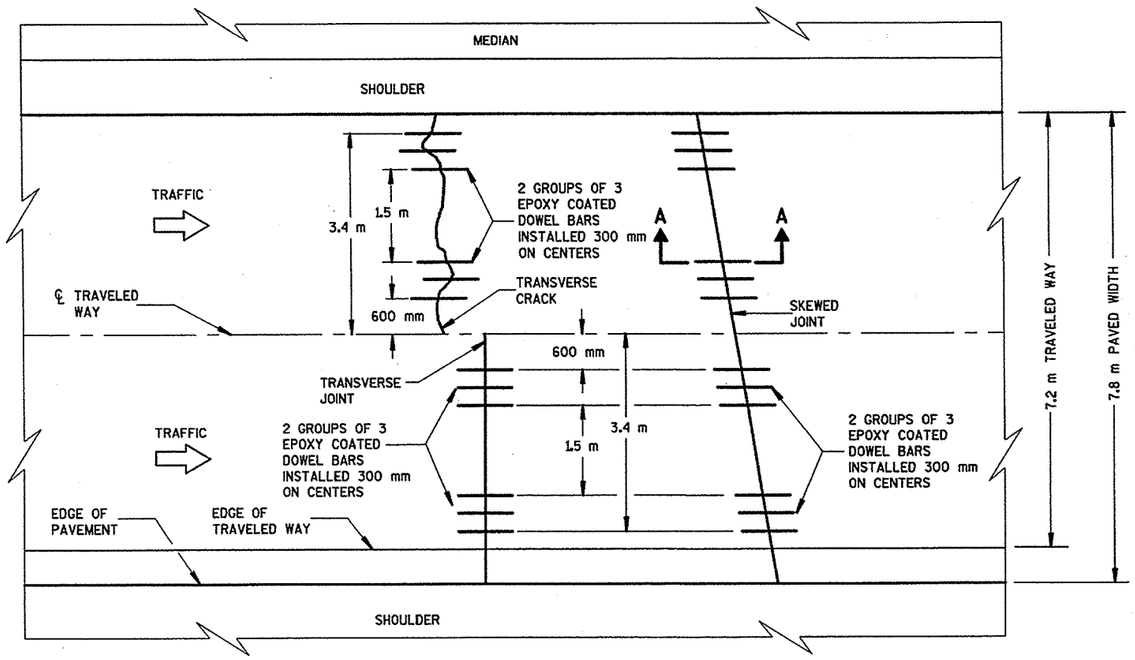
APPROVED 01/27/95 DATE — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

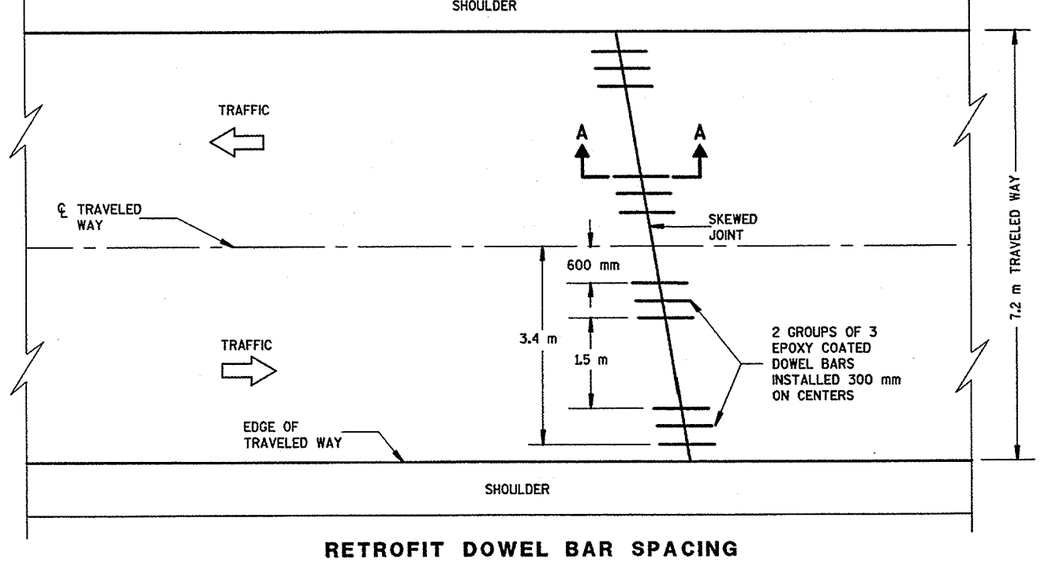
PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR:
FILE NAME:

LEVELS ON - 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

S.D.D. 13 B 1-4



RETROFIT DOWEL BAR SPACING
DIVIDED HIGHWAY



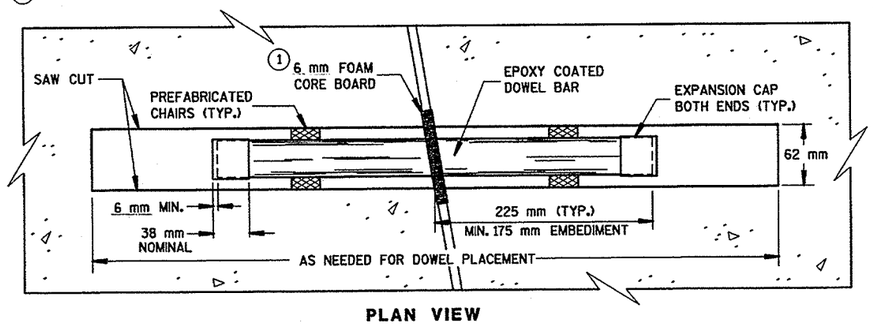
RETROFIT DOWEL BAR SPACING
TWO-LANE TWO-WAY HIGHWAY

GENERAL NOTES

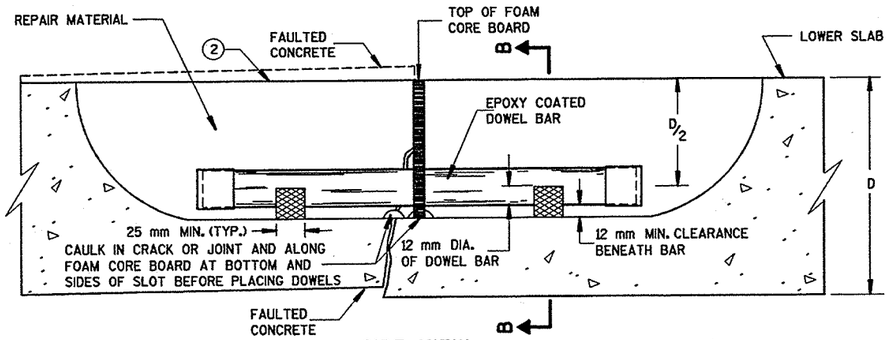
DETAILS OF CONSTRUCTION, MATERIAL AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISION.

(1) FOAM CORE BOARD IS TO BE SIZED AND SHAPED TO FIT INTO THE JOINT OR CRACK, EXTEND TO OR BEYOND THE TOP SURFACE OF THE LOWER SLAB, AND FIT TIGHTLY AROUND THE DOWEL.

(2) FINISHED ELEVATION AFTER CONTINUOUS DIAMOND GRINDING, WHEN REQUIRED.



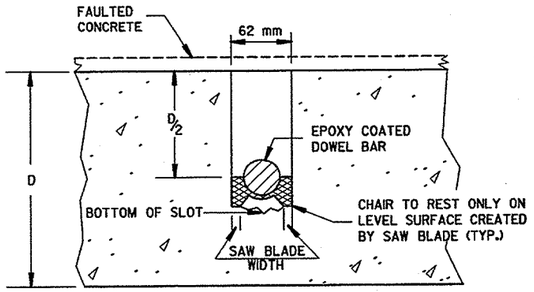
PLAN VIEW



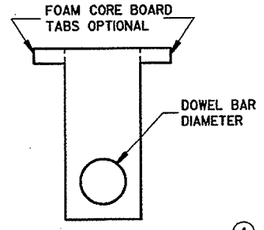
SIDE VIEW

SECTION A-A

DOWEL BAR INSTALLATION DETAIL



SECTION B-B



6 mm FOAM CORE BOARD (1)

PAVEMENT DEPTH	DOWEL BAR SIZE
225 mm OR LESS	32 mm X 450 mm
MORE THAN 225 mm	38 mm X 450 mm

DOWEL BAR SIZE TABLE

RETROFIT DOWEL BAR INSTALLATION

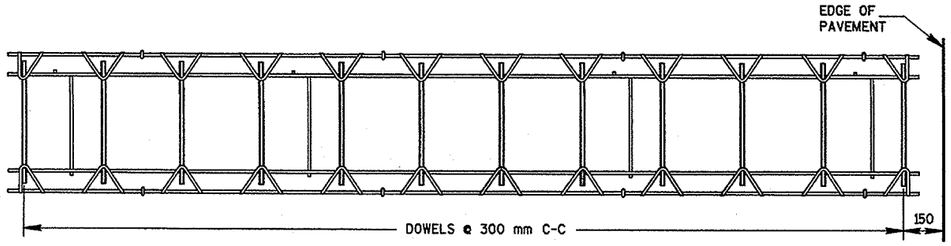
RETROFIT DOWEL BARS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

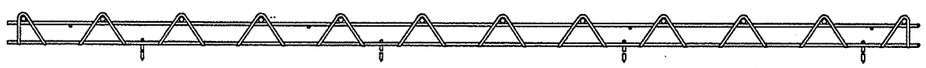
APPROVED
10-1-98
DATE
CHIEF PAVEMENTS & RESEARCH ENGINEER
FHWA
M

S.D.D. 13 C 10-1

S.D.D. 13 C 10-1

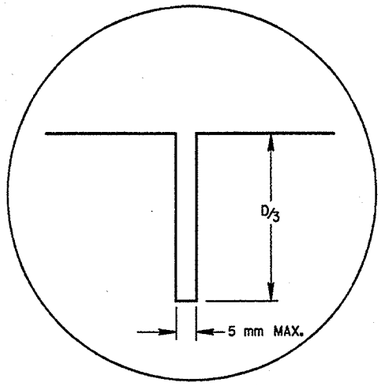


PLAN VIEW

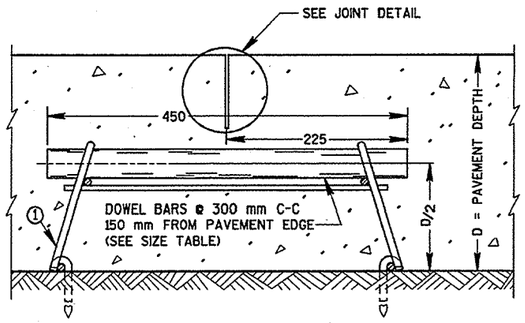


SIDE VIEW

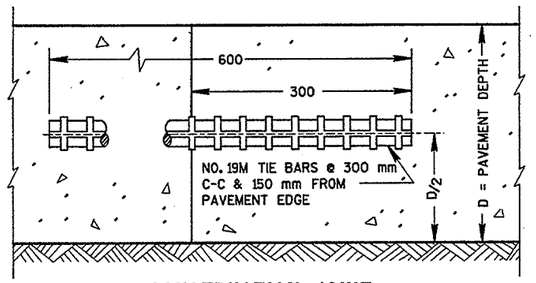
CONTRACTION JOINT DOWEL ASSEMBLY ①



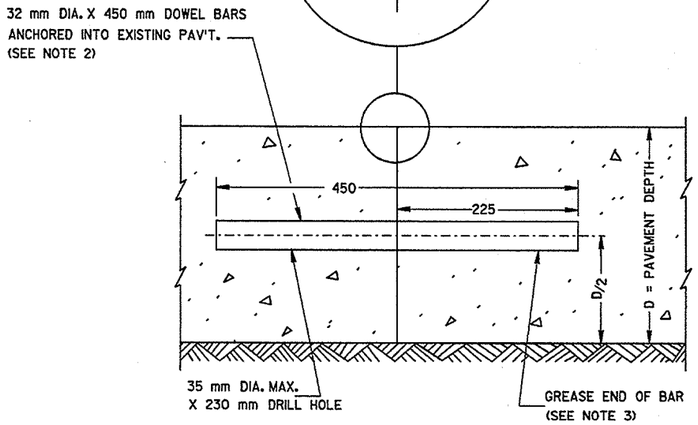
JOINT DETAIL



DOWELED CONTRACTION JOINT

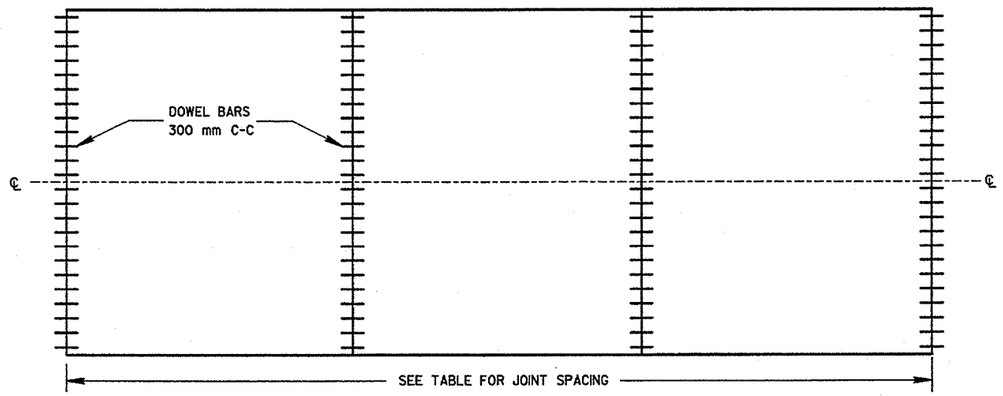


CONSTRUCTION JOINT



TRANSVERSE CONTRACTION JOINTS ABUTTING EXISTING PAVEMENT

④ DOWEL BAR DETAIL



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

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

CONTRACTION JOINTS

UNLESS OTHERWISE SPECIFIED, CONTRACTION JOINTS SHALL NORMAL TO THE CENTERLINE. THE LOCATION OF CONTRACTION JOINTS THRU INTERSECTIONS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

CONTRACTION JOINTS SHALL NOT BE SEALED OR FILLED.

DOWEL BARS SHALL BE INSTALLED PARALLEL TO THE PAVEMENT CENTERLINE AND SURFACE.

CONSTRUCTION JOINTS

CONSTRUCTION JOINTS SHALL BE A MINIMUM OF 1.2 m FROM THE NEAREST CONTRACTION JOINT AND ALIGNED EITHER PARALLEL TO CONTRACTION JOINTS OR AT 90° TO THE CENTERLINE.

TIE BARS MAY BE INSERTED THROUGH THE HEADER BOARD AFTER THE CONCRETE HAS BEEN POURED.

① ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY MAY BE USED WHEN APPROVED BY THE ENGINEER. MECHANICAL DOWEL BAR IMPLANTERS MAY BE USED INSTEAD OF DOWEL ASSEMBLIES.

② DOWEL BARS SHALL BE ANCHORED INTO DRILL HOLES WITH AN APPROVED EPOXY GROUT.

③ THE FREE END OF DOWEL BARS SHALL RECEIVE A THIN UNIFORM COATING OF BOND BREAKING GREASE.

④ DOWEL BARS INSTALLED BY DRILLING SHALL BE SPACED 380 mm ON CENTER. THE GROUPING OF DOWEL BARS SHALL BE CENTERED INSIDE THE SLAB BASED ON ALL THE FOLLOWING SITUATIONS:

BETWEEN THE EDGES OF PAVEMENTS WITHOUT LONGITUDINAL JOINTS OR BETWEEN THE EDGE OF PAVEMENT AND NEAREST LONGITUDINAL JOINT OR BETWEEN TWO ADJACENT LONGITUDINAL JOINTS.

THE CLEAR DISTANCE FROM THE EDGE OF PAVEMENT OR LONGITUDINAL JOINT TO THE NEAR EDGE OF DOWEL BAR NEAREST THAT EDGE OR JOINT SHALL BE A MINIMUM OF 150 mm AND A MAXIMUM OF 355 mm.

NOTE

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE SHOWN.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
150,165 mm	32 mm	3.6 m
175,190 mm	32 mm	4.3 m
200,215 mm	32 mm	4.5 m
225,240 mm	32 mm	4.5 m
250 mm & ABOVE	38 mm	5.5 m

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 9-24-98 DATE

CHIEF PAVEMENTS & RESEARCH ENGINEER

FHWA

M

S.D.D. 13 C 13-3

PLOT SCALE:

PLOT NAME:

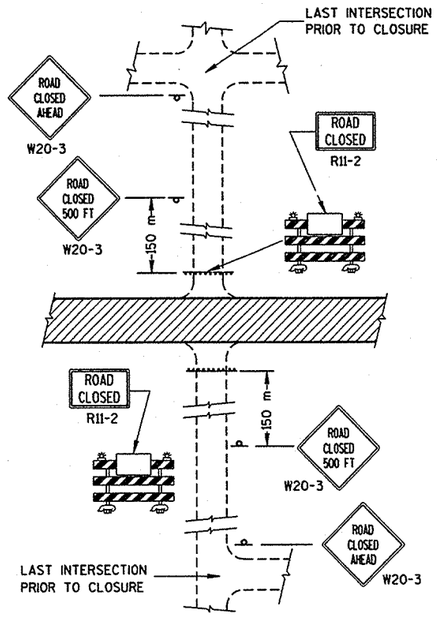
REV. DATE:

ORIGINATOR:

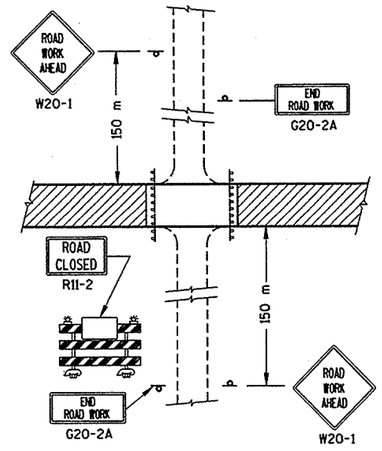
LEVELS ON - 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME:

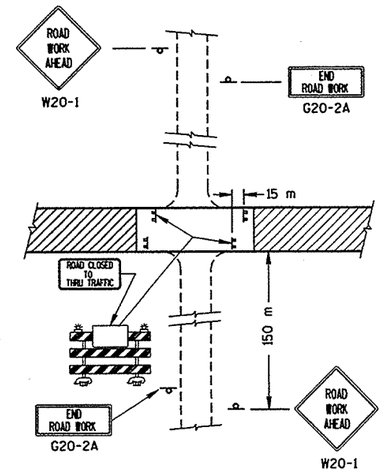
S.D.D. 13 C 13-3



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).

SIDEROAD CLOSURES

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND THEIR LOCATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN MANUAL OF TRAFFIC CONTROL DEVICES, THE PLANS, SPECIFICATIONS AND CONTRACT.

SIGN AND BARRICADE LOCATIONS MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER. ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS WORK SHALL BE COVERED AS DIRECTED BY THE ENGINEER. ALL "STOP" OR OTHER REGULATORY SIGNS ON THE SIDE ROADS SHALL NOT BE DISTURBED, EXCEPT WHEN NECESSARY TO COMPLETE THE WORK. THE SIGNS MUST THEN BE IMMEDIATELY REESTABLISHED.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL FOR FULL ROAD CLOSURES. TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE ROAD CLOSED SIGN (R11-2), ROAD CLOSED ___ MILES AHEAD SIGN (R11-3) AND THE ROAD CLOSED TO THRU TRAFFIC SIGN (R11-4) SHALL BE ATTACHED ONLY TO THE TOP RAIL OF THE TYPE III BARRICADE. THE SIGNS SHALL NOT COVER MIDDLE RAIL

TYPE "H" REFLECTIVE SHEETING SHALL BE USED ON ALL BARRICADES, TYPE I, II AND III, AND ON ALL R11-3 AND R11-4 SIGNS.

ALL SIGNS SHALL BE 1200 mm X 1200 mm UNLESS OTHERWISE NOTED BELOW:
R11-2, "ROAD CLOSED" SIGNS SHALL BE 1200 mm X 750 mm.
R11-3, AND R11-4 SIGNS SHALL BE 1500 mm X 750 mm.
G20-2A SIGNS SHALL BE 1200 mm X 600 mm.

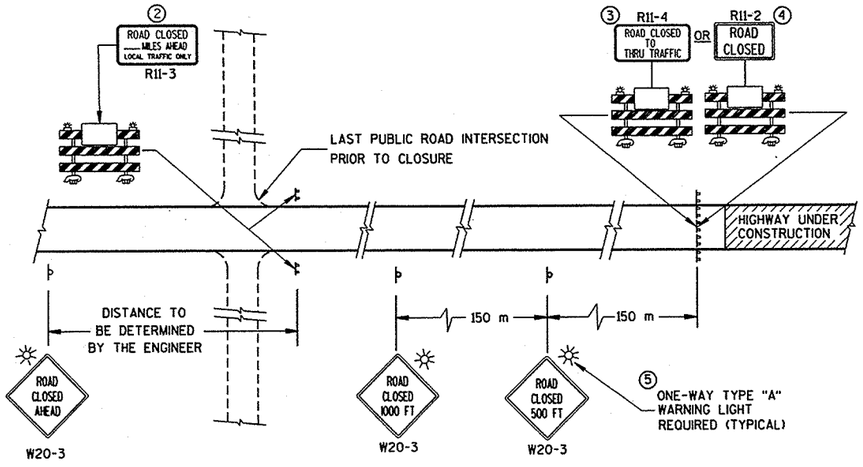
(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND AT LEAST ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

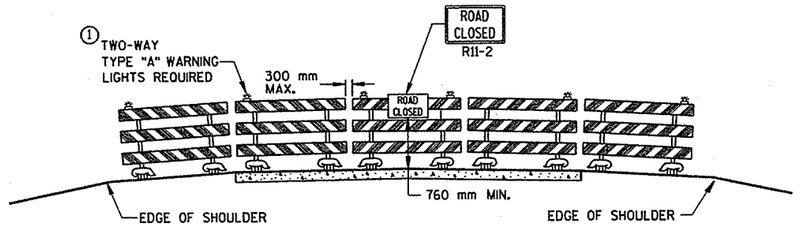
(3) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL.

(4) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL.

(5) ONE-WAY LIGHTS SHALL BE PROVIDED ON ALL ADVANCE WARNING SIGNS. THE UNIT SHALL BE POSITIONED SUCH THAT THE LIGHT SOURCE IS OUTSIDE THE SIGN FACE AND AT THE TOP OF THE SIGN.

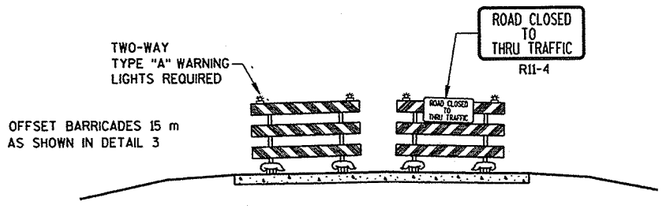


MAINLINE CLOSURE



APPROACH VIEW

ROAD CLOSURE BARRICADE DETAIL



APPROACH VIEW

LANE CLOSURE BARRICADE DETAIL

- POST MOUNTED WARNING SIGN
- TYPE III BARRICADES WITH TYPE "H" REFLECTIVE SHEETING
- TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

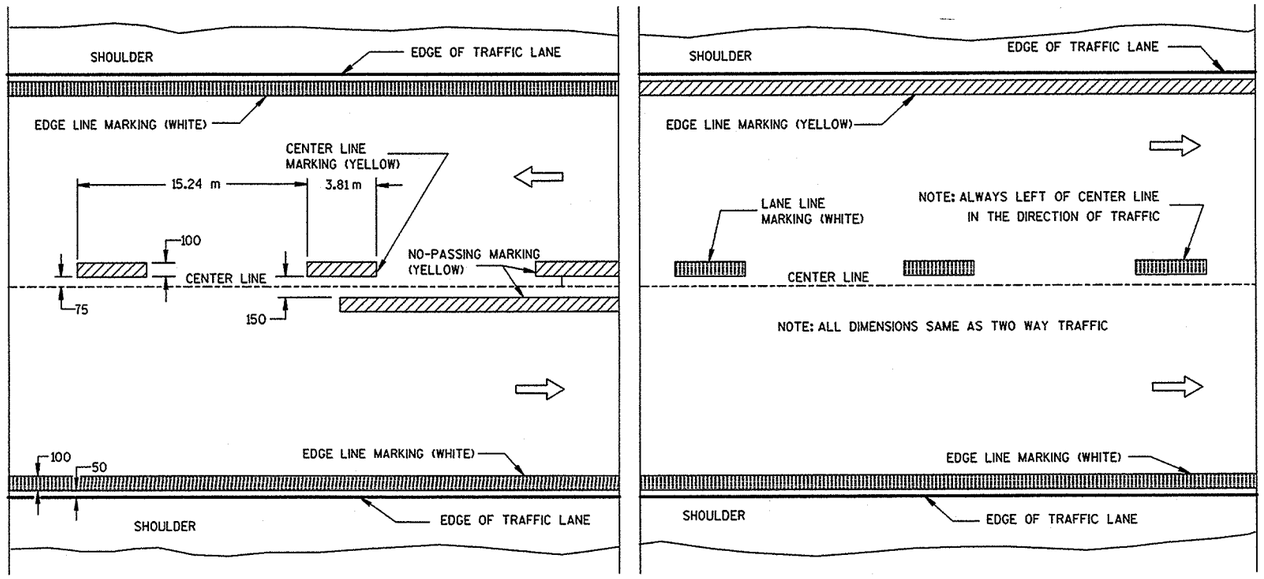
BARRICADES AND SIGNS FOR ROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-10-95
DATE
Charles J. Spang
for DIRECTOR, OFFICE OF TRAFFIC
FHWA
M

S.D.D. 15 C 2-3

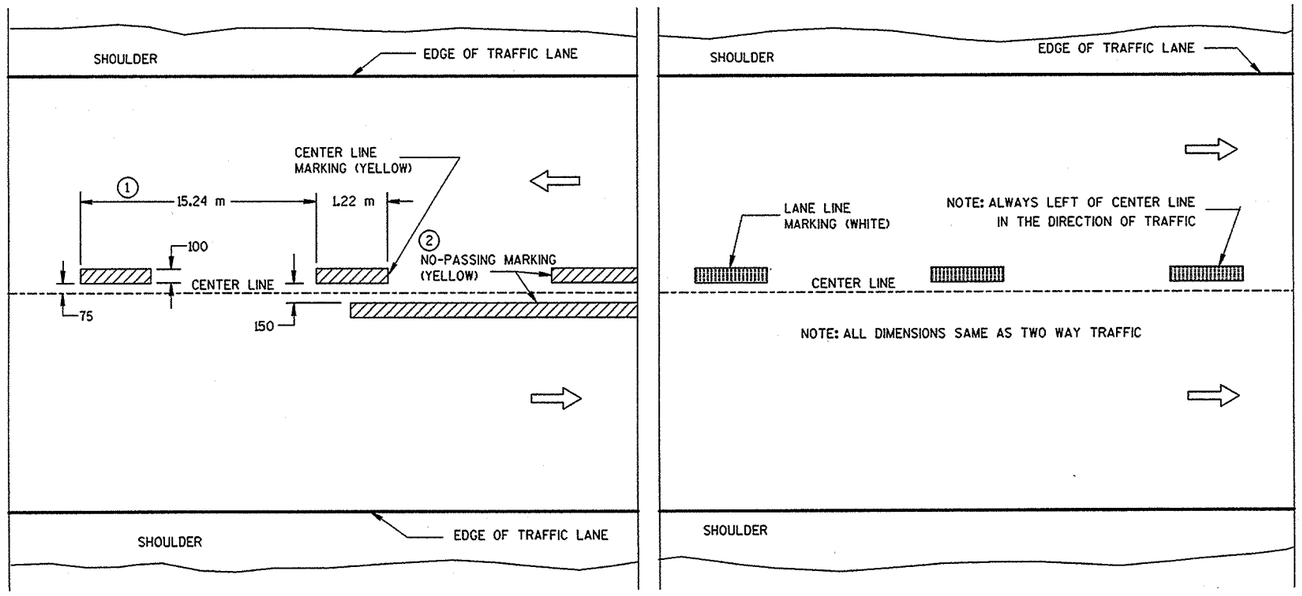
PLOT SCALE:
PLOT NAME:
REV. DATE: 8-10-95
LEVELS ON • 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,5051,52,53,54,55,56,57,58,59,60,61,62,63
ORIGINATOR:
S.D.D. 15 C 2-3
FILE NAME:



TWO WAY TRAFFIC

ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC

ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

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

GENERAL NOTES

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

(1) HALF CYCLE LENGTHS (7.62 m±) WITH 600 mm MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.

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

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-10-98
DATE

Charles J. Sprang
CHIEF SIGNS AND MARKING ENGINEER

FHWA

M

S.D.D. 15 C 8-8a

PLOT NAME:

PLOT SCALE: 6-28-95

REV. DATE:

ORIGINATOR:

LEVELS ON - 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

S.D.D. 15 C 8-8a

FILE NAME:

PLOT SCALE:
PLOT NAME:
REV. DATE: 8-9-95
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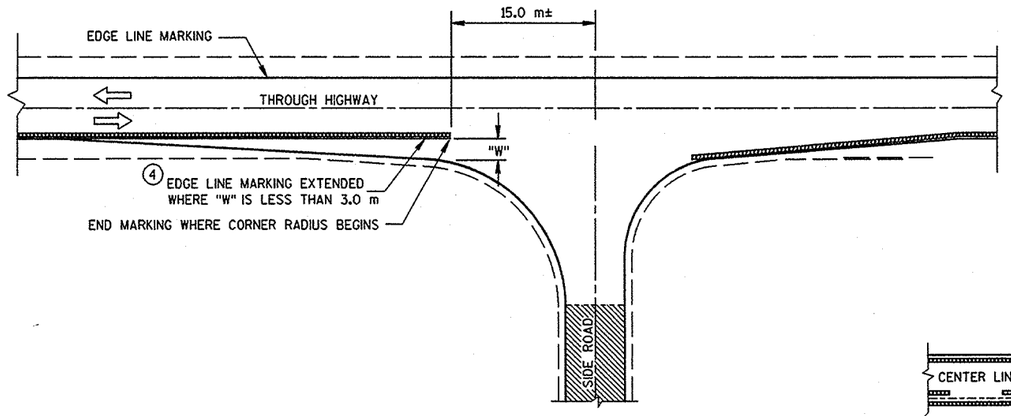
ORIGINATOR:
S.D.D. 15 C 8-8b
FILE NAME:

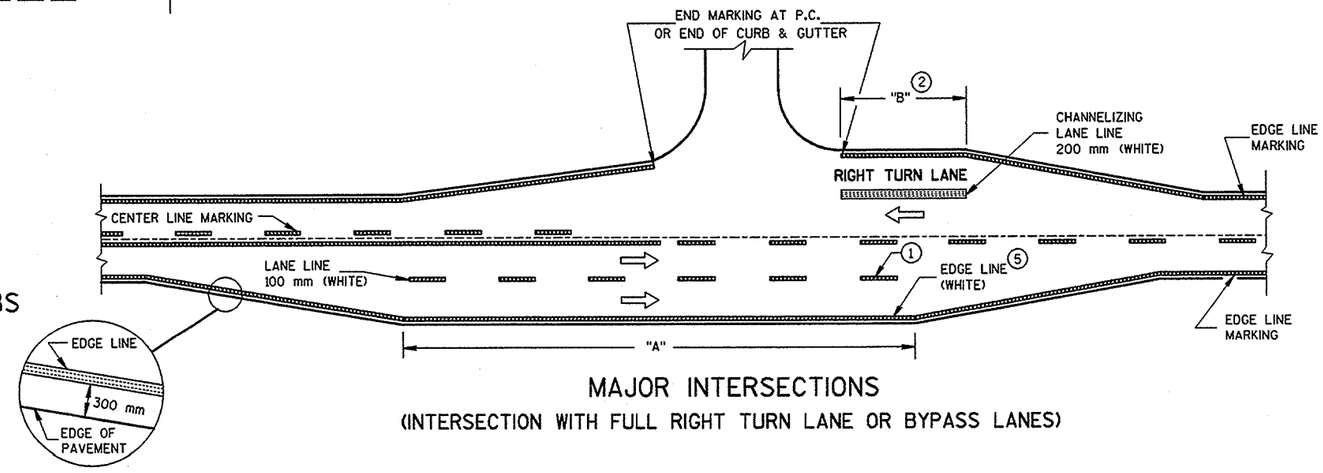
NOTES

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

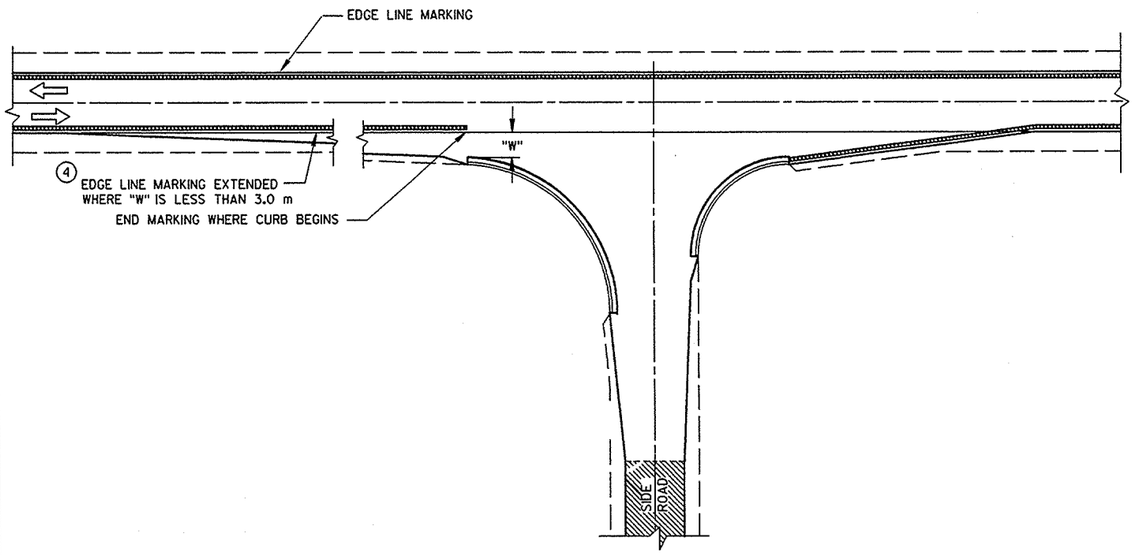
1. WHEN DISTANCE "A" IS LESS THAN 76 m, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 30 m, OMIT CHANNELIZING LANE LINE.
3. ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
4. LOCATE THE EDGE LINE ALONG THE TAPER WHERE "W" IS 3.0 m OR MORE.
5. THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 300 mm FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.



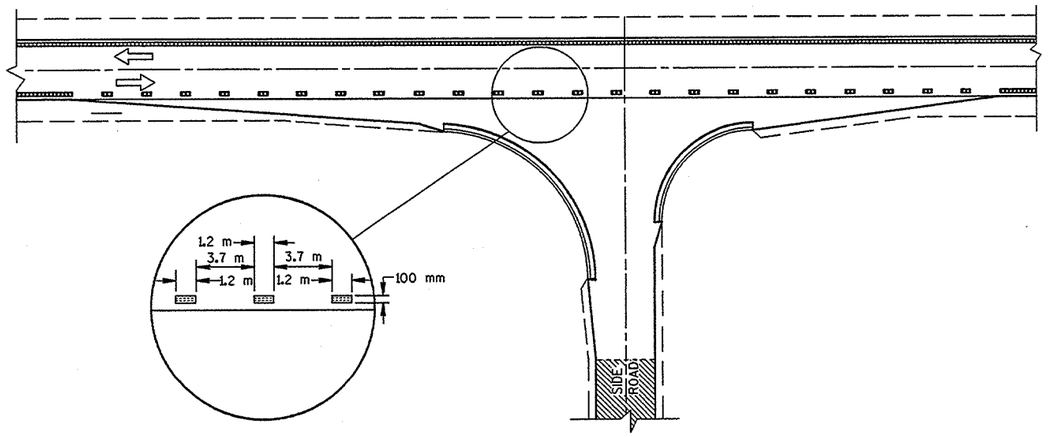
MINOR INTERSECTION WITHOUT CURBS



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



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)

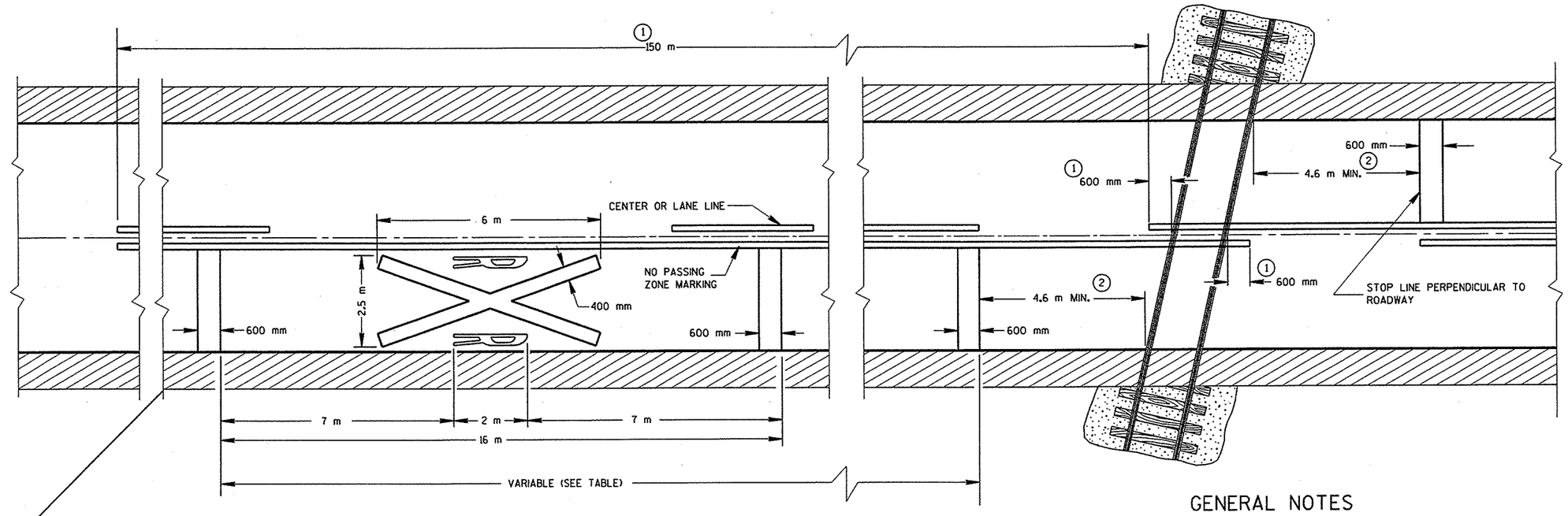


MINOR INTERSECTION WITH CURBS
③ (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

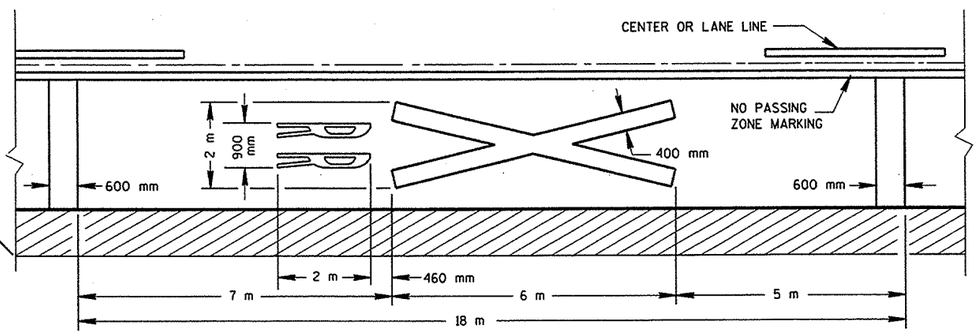
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 15 C 8-8b



PAVEMENT MARKING

MATCH LINE



ALTERNATE PAVEMENT MARKING

Posted Speed	Variable Dimension	
(M.P.H.)	(Feet)	(Meters)
25	150	45
30	200	60
35	250	75
40	325	100
45	400	125
50	475	145
55	500	170

GENERAL NOTES

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

THE DISTANCE FROM THE RAILROAD CROSSING MARKING TO THE NEAREST TRACK WILL VARY ACCORDING TO THE APPROACH SPEED AND THE SIGHT DISTANCE OF THE VEHICULAR TRAFFIC. DIMENSIONS SHOWN IN THE TABLE SHALL BE USED UNLESS OTHERWISE SHOWN ON THE PLANS.

A THREE-LANE ROADWAY SHOULD BE MARKED WITH A CENTERLINE FOR TWO-LANE APPROACH OPERATION ON THE APPROACH TO A CROSSING.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE. ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH THE "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" (ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION).

TRANSVERSE BANDS AND R X R SYMBOL ARE REFLECTIVE WHITE. SOLID LONGITUDINAL LINE IS REFLECTIVE YELLOW ON BIDIRECTIONAL TRAVELED WAYS AND IS OMITTED ON UNIDIRECTIONAL TRAVELED WAYS. DASHED LONGITUDINAL LINE IS REFLECTIVE YELLOW WHEN IT IS BETWEEN LANES OF TRAFFIC MOVING IN OPPOSITE DIRECTIONS AND REFLECTIVE WHITE WHEN IT IS BETWEEN LANES OF TRAFFIC MOVING IN THE SAME DIRECTION.

CENTER OR LANE LINES AND NO PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

(1) MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO PASSING ZONE MARKINGS.

(2) MINIMUM 2.4 m TO GATE IF PRESENT.

PAVEMENT MARKING DETAILS
FOR RAILROAD-HIGHWAY
GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-7-95
DATE
Curtis J. Sparks
for DIRECTOR, OFFICE OF TRAFFIC

FHWA

M

S.D.D. 15 C 9-3

PLOT NAME:

PLOT SCALE: 6-22-95

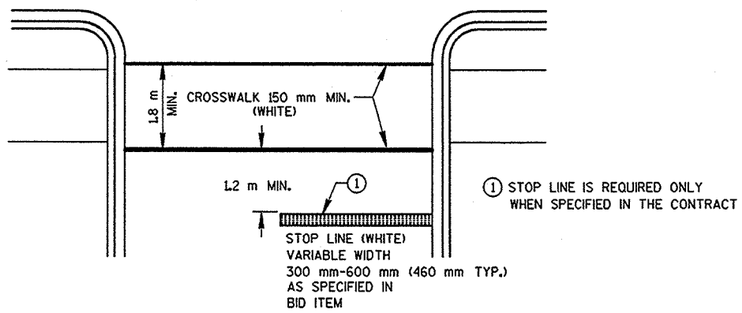
REV. DATE:

ORIGINATOR:

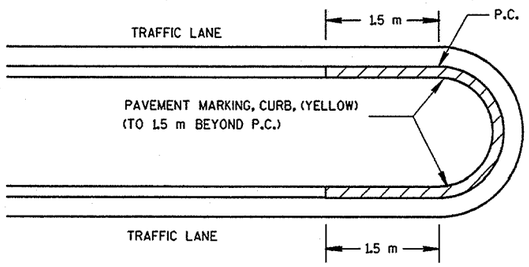
LEVELS ON • 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

FILE NAME:

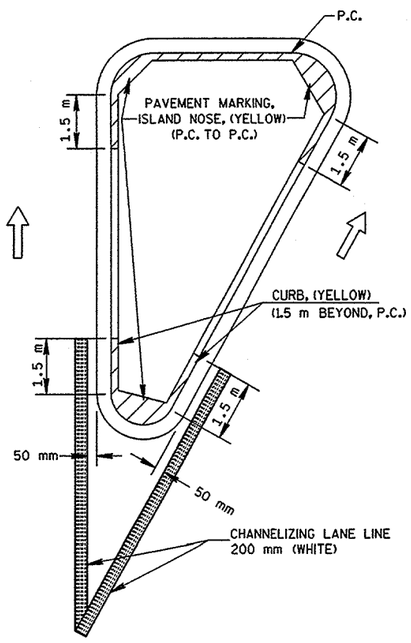
S.D.D. 15 C 9-3



STOP LINE AND CROSSWALK

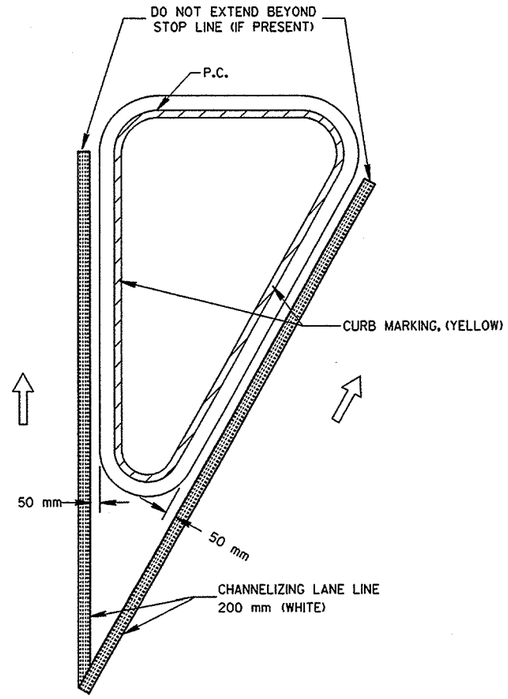


MEDIAN CURB



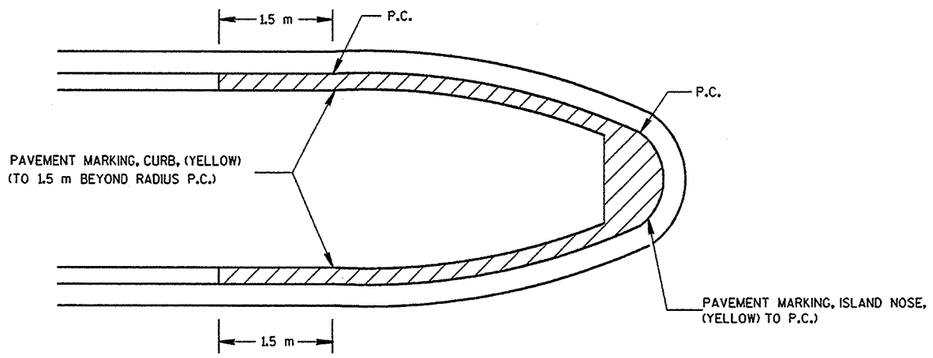
LARGE ISLAND

(GREATER THAN 15.0 m PERIMETER OR ANY SIDE GREATER THAN 8.0 m BETWEEN CURVES)



SMALL ISLAND

(LESS THAN 15.0 m PERIMETER OR ANY SIDE LESS THAN 8.0 m BETWEEN CURVES)



BULLET NOSE ISLAND

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS, STOP LINE & CROSS WALK)

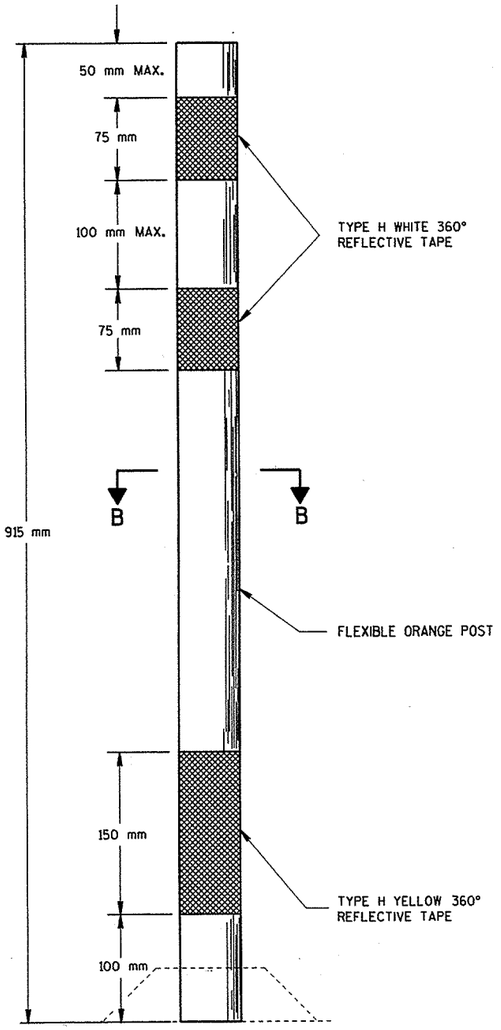
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-10-98 DATE
Charles J. Sprang
CHIEF SIGNS AND MARKING ENGINEER
FHWA
M

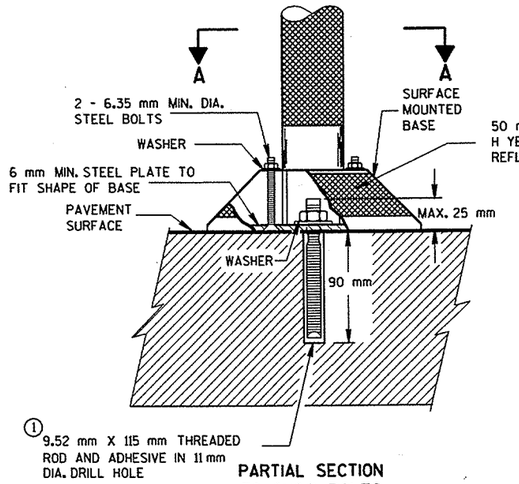
S.D.D. 15 C 8-8e

S.D.D. 15 C 8-8e

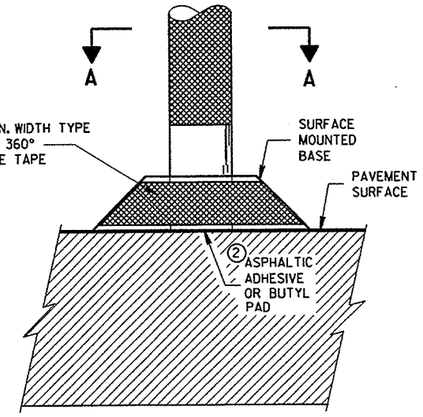
PLOT SCALE:
PLOT NAME:
REV. DATE: 6-29-95
ORIGINATOR:
FILE NAME:
LEVELS ON - 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



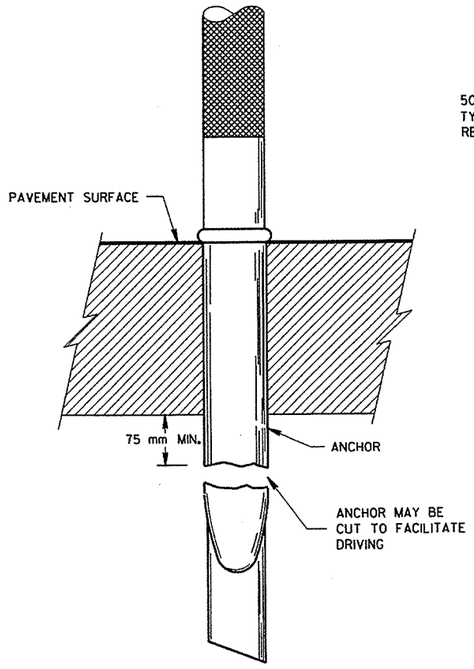
FLEXIBLE TUBULAR MARKER POST

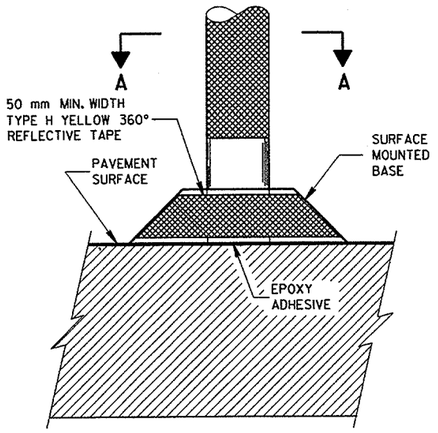


PARTIAL SECTION TO SHOW BOLTS



POST BASES ON NEW OR EXISTING PAVEMENT





POST ANCHOR AND BASE ON PAVEMENT WHICH WILL BE REMOVED

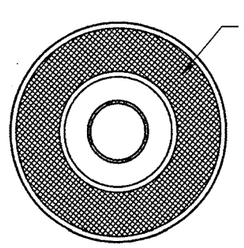
GENERAL NOTES

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

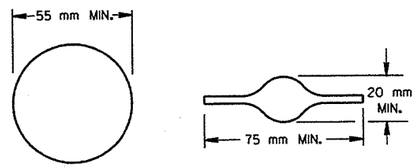
SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

1 THREADED ROD SHALL BE MACHINED DOWN TO 7.11 mm DIA. 31.75 mm FROM THE TOP.

2 THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



SECTION A-A
SURFACE MOUNTED BASE



SECTION B-B
ALTERNATIVE SHAPES

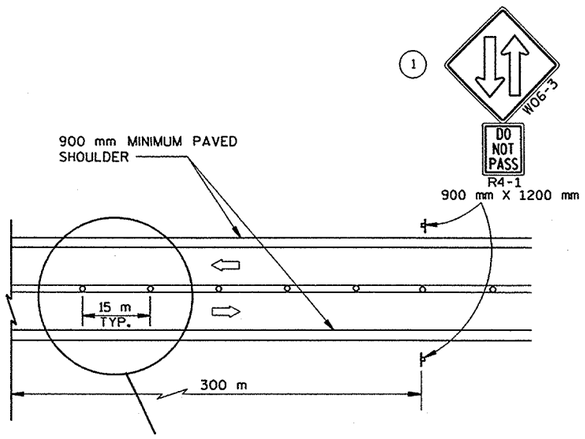
FLEXIBLE TUBULAR MARKER POST, ANCHOR & BASES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
8-7-95 DATE	Charles J. Sparks for DIRECTOR, OFFICE OF TRAFFIC
FHWA	

S.D.D. 15 C 11-5

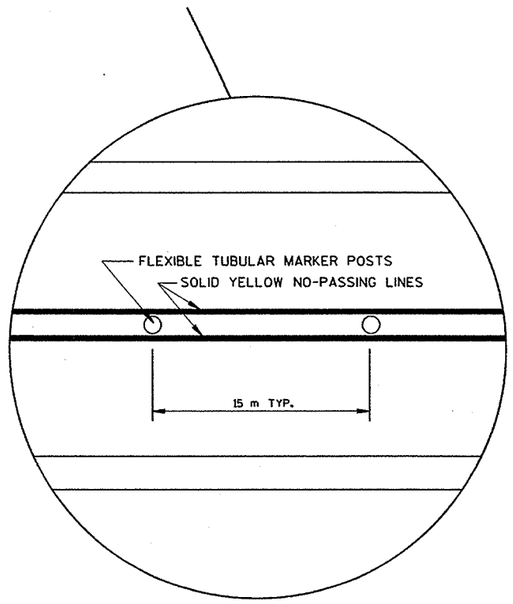
S.D.D. 15 [illegible]

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR:
FILE NAME:
LEVELS ON • 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:
PLOT NAME:
REV. DATE: 7-6-95
LEVELS ON - 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:
S.D.D. 15 D 6-2
FILE NAME:



TWO LANE, TWO WAY OPERATION



GENERAL NOTES :

ALL SIGNS ARE 1200 mm X 1200 mm UNLESS OTHERS NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

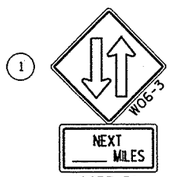
THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 60 m, (150 m DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC @ 15 m SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 100 mm DOUBLE YELLOW.

R2-1
1200 mm X 1500 mm
(BLACK AND WHITE)

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 500 m BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 OR 5 km.



W057-51
1200 mm X 600 mm

R4-1
900 mm X 1200 mm

THE W06-3 WITH THE W057-51 SHALL BE LOCATED 60 m BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND/OR 150 m BEYOND ANY SIDEROAD. THE W06-3 WITH THE R4-1 SHALL BE LOCATED 300 m BEYOND THE W06-3 AND THE W057-51 AND THE SIGNS SHALL BE ALTERNATED WITH 1.5 km INTERVALS BETWEEN W06-3 SIGNS.

LEGEND

- POST WITH ATTACHED SIGN
- FLEXIBLE TUBULAR MARKER AND BASE
- DIRECTION OF TRAFFIC

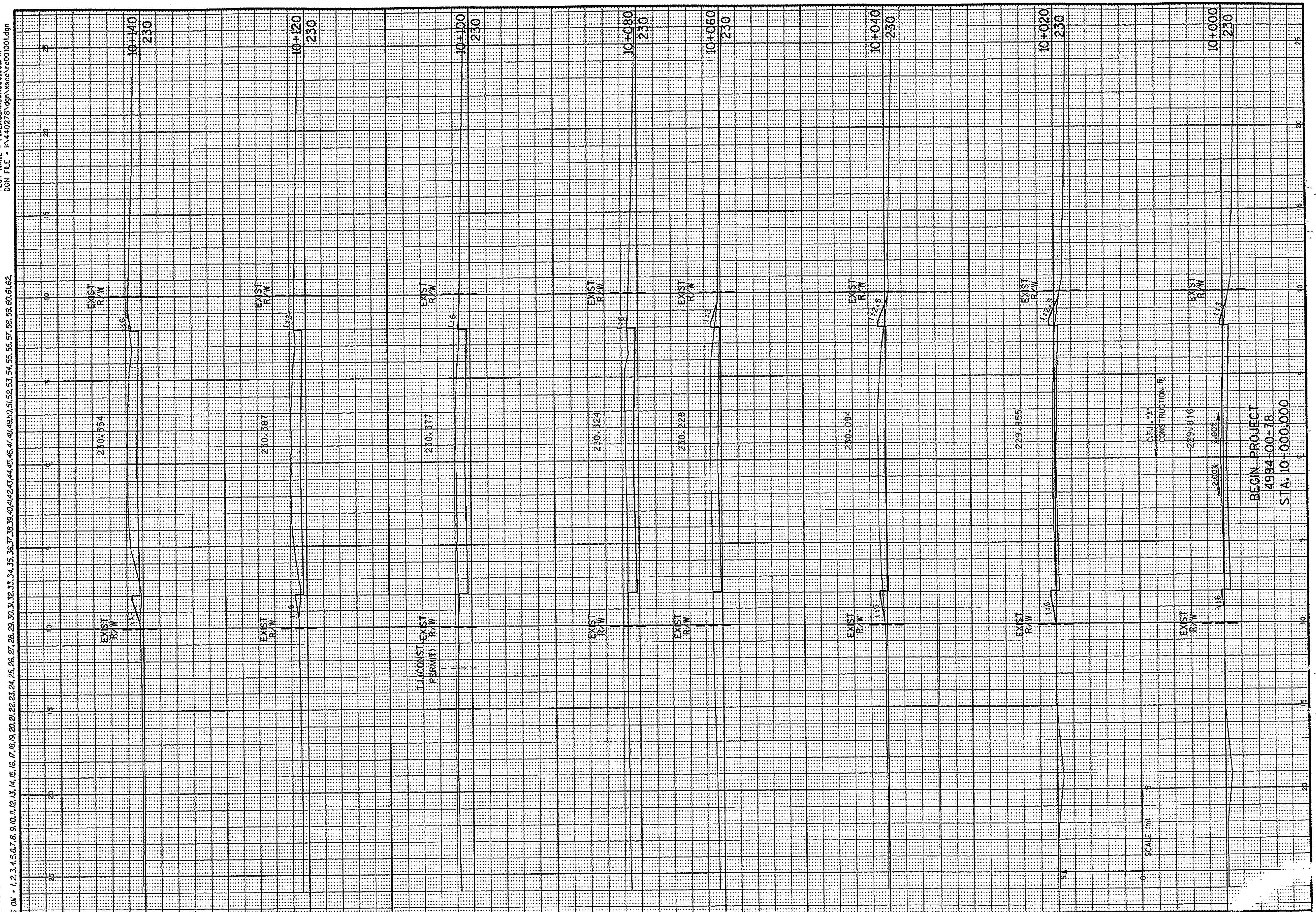
TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-7-95
DATE
Charles J. Sperry
for DIRECTOR, OFFICE OF TRAFFIC
FHWA
M

EARTHWORK DATA

STATION	INCREMENTAL END AREA CUT (m2)	INCREMENTAL END AREA FILL (m2)	FACTORS CUT	FACTORS FILL	INCREMENTAL VOLUMES CUT (m3)	INCREMENTAL VOLUMES FILL (m3)	CUMULATIVE VOLUMES CUT (m3)	CUMULATIVE VOLUMES FILL (m3)	MASS HAUL (m3)
PROJECT 4994-00-78									
10+000	5.5	0.4	1.0	1.3	0	0	0	0	0
10+020	3.3	0.8	1.0	1.3	88	16	88	16	72
10+040	6.3	0.6	1.0	1.3	96	18	184	34	150
10+060	7.4	0.2	1.0	1.3	137	10	321	44	277
10+080	7.9	0.0	1.0	1.3	153	3	474	47	427
10+100	9.0	0.0	1.0	1.3	168	0	642	47	595
10+120	8.3	0.3	1.0	1.3	173	4	815	51	764
10+140	7.9	0.6	1.0	1.3	162	12	977	62	915
10+160	7.2	0.6	1.0	1.3	151	16	1128	78	1050
10+180	6.9	0.5	1.0	1.3	140	13	1268	91	1177
10+200	6.7	0.5	1.0	1.3	136	13	1404	104	1300
10+220	7.0	0.6	1.0	1.3	137	14	1541	118	1423
10+240	5.6	0.9	1.0	1.3	126	20	1667	138	1529
10+260	5.1	1.0	1.0	1.3	107	26	1774	164	1610
10+280	5.0	0.7	1.0	1.3	101	22	18138	186	1689
10+300	4.4	1.0	1.0	1.3	94	22	1969	208	1761
10+320	3.9	2.0	1.0	1.3	83	39	2052	247	1805
10+340	4.1	1.9	1.0	1.3	80	51	2132	298	1834
10+360	5.7	2.8	1.0	1.3	99	62	2231	360	1871
10+380	4.7	5.5	1.0	1.3	105	109	2336	469	1867
10+400	5.2	2.2	1.0	1.3	99	101	2435	571	1864
10+420	5.8	0.9	1.0	1.3	110	40	2545	611	1934
10+440	6.9	0.6	1.0	1.3	128	20	2673	631	2043
10+460	8.3	0.0	1.0	1.3	153	8	2826	638	2188
10+480	10.5	0.0	1.0	1.3	188	0	3014	638	2376
10+500	9.3	0.0	1.0	1.3	198	0	3212	638	2574
10+520	9.3	0.3	1.0	1.3	187	4	3399	642	2757
10+540	8.2	0.9	1.0	1.3	175	16	3574	658	2916
10+560	8.1	0.5	1.0	1.3	163	18	3737	676	3061
10+580	8.4	0.9	1.0	1.3	165	18	3902	694	3208
10+600	8.1	0.6	1.0	1.3	165	20	4067	714	3353
10+620	10.0	1.2	1.0	1.3	181	25	4248	738	3510
10+640	10.9	0.3	1.0	1.3	209	21	4457	759	3698
10+660	11.9	0.2	1.0	1.3	227	7	4684	766	3918
10+680	10.8	0.3	1.0	1.3	227	7	4911	772	4139
10+700	9.9	0.3	1.0	1.3	207	8	5118	780	4338
10+720	9.0	0.4	1.0	1.3	189	9	5307	789	4518
10+740	8.9	1.1	1.0	1.3	179	20	5486	809	4677
10+760	8.2	0.4	1.0	1.3	172	20	5658	828	4830
10+780	10.5	0.0	1.0	1.3	187	5	5845	833	5012
10+800	8.7	1.4	1.0	1.3	192	18	6037	852	5186
10+820	8.4	2.1	1.0	1.3	171	46	6208	897	5311
10+840	8.8	2.8	1.0	1.3	172	64	6380	961	5419
10+860	11.2	0.0	1.0	1.3	200	36	6580	997	5583
10+880	11.9	1.8	1.0	1.3	231	23	6811	1021	5791
10+900	12.7	2.4	1.0	1.3	246	55	7057	1075	5982
10+920	12.2	5.1	1.0	1.3	249	98	7306	1173	6133
10+940	12.4	4.7	1.0	1.3	246	127	7552	1300	6252
10+960	11.8	5.3	1.0	1.3	241	130	7793	1430	6363
10+980	11.2	4.6	1.0	1.3	230	129	8023	1559	6464
11+000	11.1	3.5	1.0	1.3	223	104	8246	1663	6583
11+020	11.8	0.0	1.0	1.3	229	46	8475	1708	6767
11+040	10.4	2.0	1.0	1.3	222	26	8697	1734	6963
11+060	10.6	2.6	1.0	1.3	210	60	8907	1794	7113
11+080	10.8	2.1	1.0	1.3	214	61	9121	1855	7266
11+100	12.1	0.4	1.0	1.3	229	31	9350	1886	7464
11+120	13.2	0.3	1.0	1.3	253	9	9603	1895	7708
11+140	14.1	0.1	1.0	1.3	273	7	9876	1902	7974
11+160	14.0	0.1	1.0	1.3	281	3	10157	1905	8253
11+180	13.5	0.1	1.0	1.3	275	3	10432	1907	8525
11+200	14.9	0.0	1.0	1.3	283	1	10715	1908	8807
11+220	13.3	0.2	1.0	1.3	282	3	10997	1911	9086
11+240	12.7	0.4	1.0	1.3	260	7	11257	1918	9340
11+260	11.6	0.6	1.0	1.3	243	13	11500	1931	9570
11+280	8.9	2.1	1.0	1.3	205	36	11705	1967	9738
11+300	5.7	4.4	1.0	1.3	145	86	11850	2053	9797
11+320	4.7	2.6	1.0	1.3	103	91	11953	2144	9809
11+340	3.6	5.8	1.0	1.3	82	111	12035	2254	9781
11+360	3.9	5.3	1.0	1.3	74	144	12109	2399	9711
11+380	4.3	5.7	1.0	1.3	81	143	12190	2542	9649
11+400	5.2	4.2	1.0	1.3	95	129	12285	2670	9615
11+420	6.6	20.2	1.0	1.3	118	319	12403	2989	9414
11+440	10.4	4.5	1.0	1.3	169	321	12572	3310	9262
11+460	5.9	2.0	1.0	1.3	162	85	12734	3394	9340
11+480	7.5	1.0	1.0	1.3	133	39	12867	3433	9434
11+500	8.7	0.3	1.0	1.3	161	17	13028	3450	9578
11+520	9.8	0.1	1.0	1.3	185	5	13213	3455	9758
11+540	11.4	0.2	1.0	1.3	212	4	13425	3459	9966
11+560	12.1	0.5	1.0	1.3	235	9	13660	3468	10192
PROJECT 4994-00-82 CATEGORY 0010									
11+580	12.5	0.0	1.0	1.3	246	7	13906	3475	10431
11+600	11.6	0.1	1.0	1.3	241	1	14147	3476	10671
11+618	10.8	0.3	1.0	1.3	203	4	14350	3480	10870
11+620	10.9	0.3	1.0	1.3	21	1	14371	3481	10890
11+640	11.2	0.5	1.0	1.3	220	10	14591	3492	11099
11+660	11.5	0.6	1.0	1.3	226	14	14817	3506	11311
11+680	11.2	0.9	1.0	1.3	227	20	15044	3526	11518
11+700	11.4	1.1	1.0	1.3	225	26	15269	3552	11717
11+720	11.9	0.7	1.0	1.3	233	22	15502	3574	11928
11+740	13.4	0.3	1.0	1.3	253	13	15755	3587	12168
11+760	14.1	0.2	1.0	1.3	275	7	16030	3593	12437
11+780	13.6	0.4	1.0	1.3	277	8	16307	3601	12706
11+800	13.2	0.4	1.0	1.3	267	10	16574	3611	12963
11+820	12.7	0.5	1.0	1.3	258	12	16832	3623	13209
11+837	12.4	0.7	1.0	1.3	212	13	17044	3636	13408
11+840	12.3	0.7	1.0	1.3	38	3	17082	3639	13443
11+860	12.3	0.4	1.0	1.3	246	16	17328	3654	13674
11+880	12.7	0.2	1.0	1.3	250	8	17578	3662	13916
11+900	13.2	0.1	1.0	1.3	259	4	17837	3666	14171
11+920	13.6	0.2	1.0	1.3	268	4	18105	3670	14435
11+940	14.3	0.1	1.0	1.3	279	3	18384	3673	14712
11+960	15.1	0.1	1.0	1.3	294	3	18678	3675	15003
11+980	15.3	0.1	1.0	1.3	304	3	18982	3678	15304
12+000	15.2	0.1	1.0	1.3	305	3	19287	3680	15607
12+020	14.5	0.2	1.0	1.3	297	4	19584	3684	15900
12+040	13.9	0.3	1.0	1.3	284	5	19868	3689	16179
12+060	13.5	0.5	1.0	1.3	274	10	20142	3700	16442
12+080	12.6	0.4	1.0	1.3	261	12	20403	3712	16692
12+100	11.2	0.3	1.0	1.3	238	9	20641	3721	16920
12+120	10.7	0.6	1.0	1.3	219	13	20860	3734	17126
12+140	10.6	0.5	1.0	1.3	213	14	21073	3748	17325
12+160	11.1	0.4	1.0	1.3	217	12	21290	3760	17530
12+180	12.3	0.2	1.0	1.3	234	8	21524	3767	17757
12+200	14.0	0.0	1.0	1.3	263	3	21787	3770	18017
12+220	14.9	0.0	1.0	1.3	290	0	22077	3770	18307
12+240	12.9	0.0	1.0	1.3	279	0	22356	3770	18586
12+260	11.4	0.1	1.0	1.3	243	1	22599	3771	18828
12+280	11.4	0.1	1.0	1.3	229	3	22828	3774	19054
12+300	10.0	0.3	1.0	1.3	215	5	23043	3779	19264
12+320	9.1	0.4	1.0	1.3	192	9	23235	3788	19447
12+340	8.2	0.5	1.0	1.3	173	12	23408	3800	19608
12+360	9.3	0.5	1.0	1.3	175	13	23583	3813	19770
12+380	9.0	0.3	1.0	1.3	183	10	23766	3823	19943
12+400	8.8	0.1	1.0	1.3	178	5	23944	3829	20116
12+420	9.0	0.0	1.0	1.3	178	1	24122	3830	20292
12+440	8.7	0.6	1.0	1.3	177	8	24299	3838	20461
12+460	9.2	0.9	1.0	1.3	179	20	24478	3857	20621
12+480	8.8	2.1	1.0	1.3	180	39	24658	3896	20762
12+500	10.4	1.6	1.0	1.3	191	48	24849	3944	20905
12+520	11.6	1.8	1.0	1.3	220	44	25069	3988	21081
12+540	14.4	1.1	1.0	1.3	260	38	25329	4026	21303
12+560	14.5	1.0	1.0	1.3	289	27	25618	4053	21565
12+580	14.8	1.4	1.0	1.3	294	31	25912	4085	21827
12+600	14.7	1.8	1.0	1.3	295	42	26207	4126	22081
12+620	12.8	1.8	1.0	1.3	274	47	26481	4173	22308
12+640	11.7	2.1	1.0	1.3	245	51	26726	4224	22502
12+660	11.7	1.9	1.0	1.3	235	51	26961	4274	22687
12+680	11.1	1.9	1.0	1.3	228	49	27189	4324	22865
12+700	11.4	1.6	1.0	1.3	225	46	27414	4369	23045
12+720	12.1	1.9	1.0	1.3	235	46	27649	4415	23234
12+740	12.3	1.5	1.0	1.3	244	44	27893	4459	23434
12+760	12.2	1.1	1.0	1.3	245	34	28138	4493	23645
12+780	13.3	0.9	1.0	1.3	255	26	28393	4519	23874
12+800	13.4	0.7	1.0	1.3	267	20	28660	4538	24122
12+820	14.5	0.3	1.0	1.3	279	13	28939	4551	24388
12+840	14.5	0.2	1.0	1.3	290	7	29229	4558	24671
12+860	14.7	0.2	1.0	1.3	292	4	29521	4562	24959
12+880	13.9	0.1	1.0	1.3	286	4	29807	4566	25241
12+900	13.7	0.1	1.0	1.3	276	3	30083	4568	25515
12+920	12.8	0.2	1.0	1.3	266	4	30349	4572	25777
12+940	11.8	0.3	1.0	1.3	246	7	30595	4579	26016
12+960	10.5	0.3	1.0	1.3	222	7	30817	4585	26232
12+980	8.8	0.4	1.0	1.3	193	9	31010	4594	26416
13+000	8.6	0.4	1.0	1.3	174	12	31184	4606	26578
13+020	7.9	0.4	1.0	1.3	165	12	31349	4618	26731
13+040	8.2	0.5	1.0	1.3	162	12	31511	4629	26882
13+060	8.5	0.5	1.0	1.3	167	12	31678	4641	27037
13+080	8.7	0.4	1.0	1.3	172	12	31850	4653	27197
13+100	8.8	0.4	1.0	1.3	175	10	32025	4663	27362
13+120	8.8	0.3	1.0	1.3	176	9	32201	4672	27529
13+140	9.1	0.4	1.0	1.3	179	9	32380	4681	27699
13+160	10.1	0.0	1.0	1.3	193	5	32573	4687	27887
13+180	9.8	0.0	1.0	1.3	200	0	32773	4687	28087
13+200	9.9	0.1	1.0	1.3	198	1	32971	4688	28283
13+220	10.1	0.1	1.0	1.3	200	1	33171	4689	28482
13+240	9.9	0.0	1.0	1.3	200	1	33371	4690	28681
13+260	10.5	0.1	1.0	1.3	204	3	33575	4693	28882
13+280	11.3	0.2	1.0	1.3	218	4	33793	4697	29096
13+300	13.5	0.0	1.0	1.3	247	3	34040	4700	29341
13+302	13.6	0.0	1.0	1.3	28	0	34068	4700	29369
13+320	11.9	0.2	1.0	1.3	229	3	34297	4702	29595
13+340	16.9	0.0	1.0	1.3	288	3	34585	4705	29880
13+360	14.6	0.0	1.0	1.3	315	0	34900	4705	30195
13+380	10.0	0.0	1.0	1.3	246	0	35146	4705	30441
13+400	6.6	0.2	1.0	1.3	166	3	35312	4707	30605
13+420	0.0	0.0	1.0	1.3	66	3	35378	4710	30668
TOTALS							35378	4710	



CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.2	M

FILE NAME:

WISDOT: MSH

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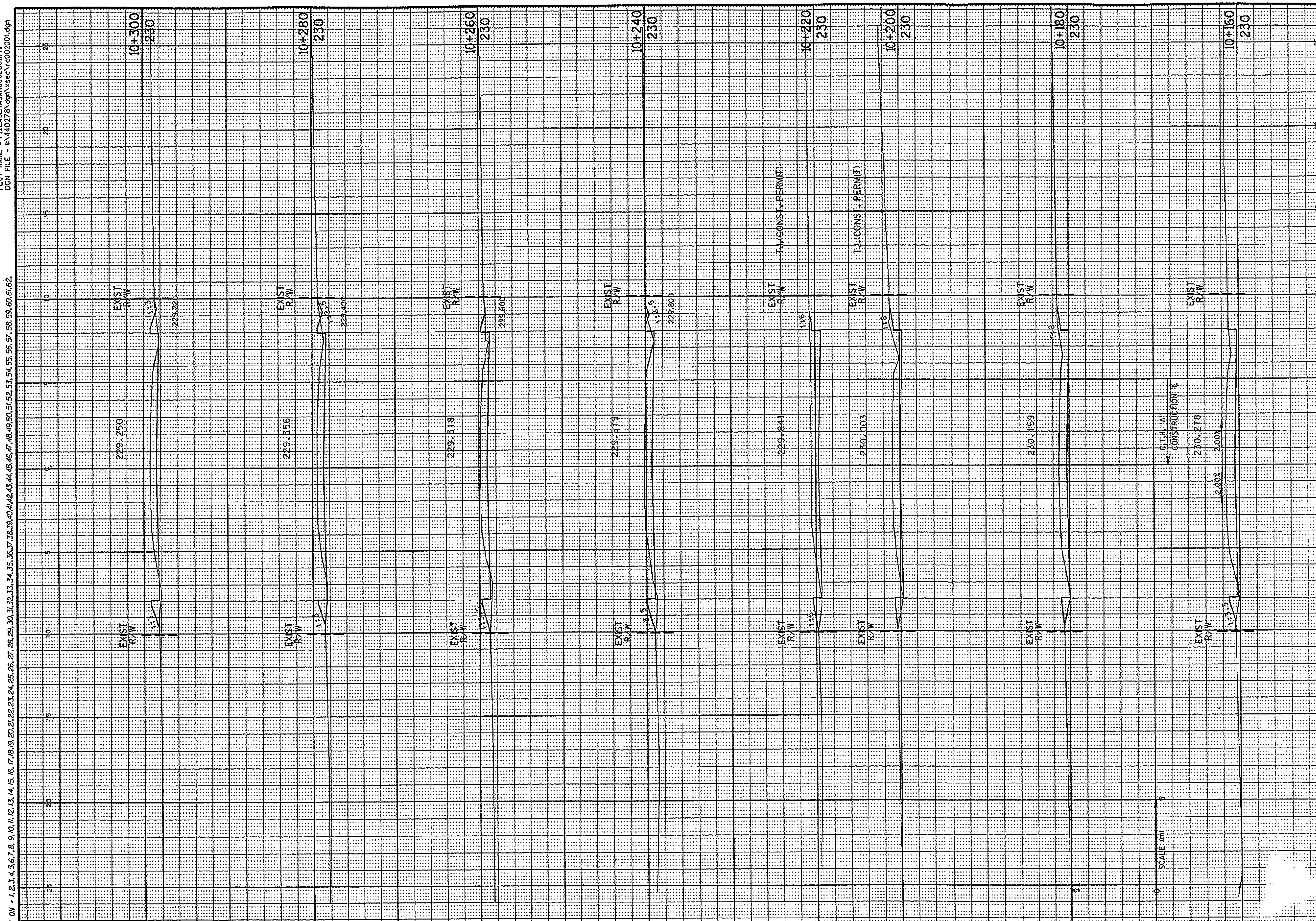

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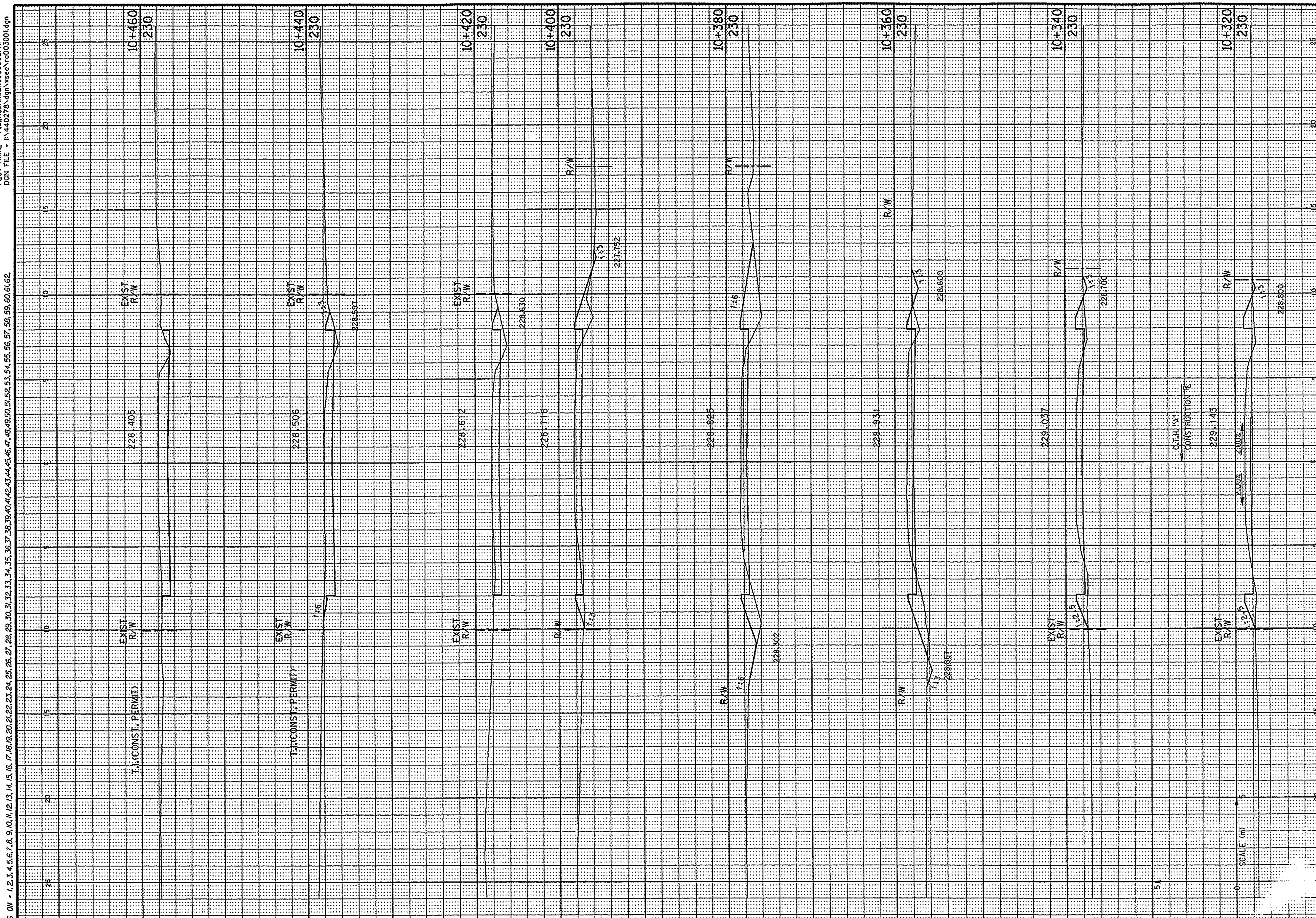
CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 93

FILE NAME:



ORIGINATOR:

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.4

FILE NAME:

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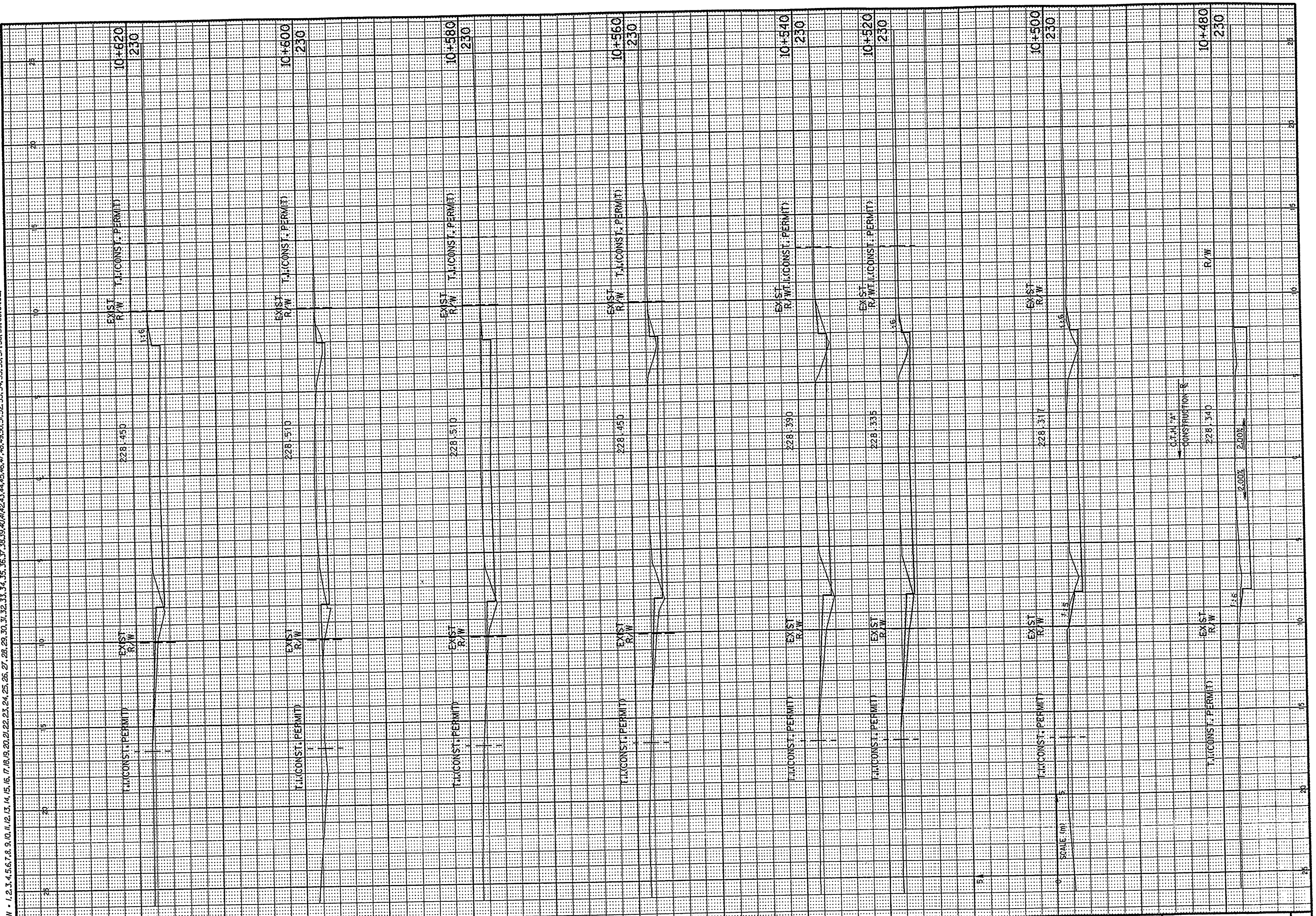

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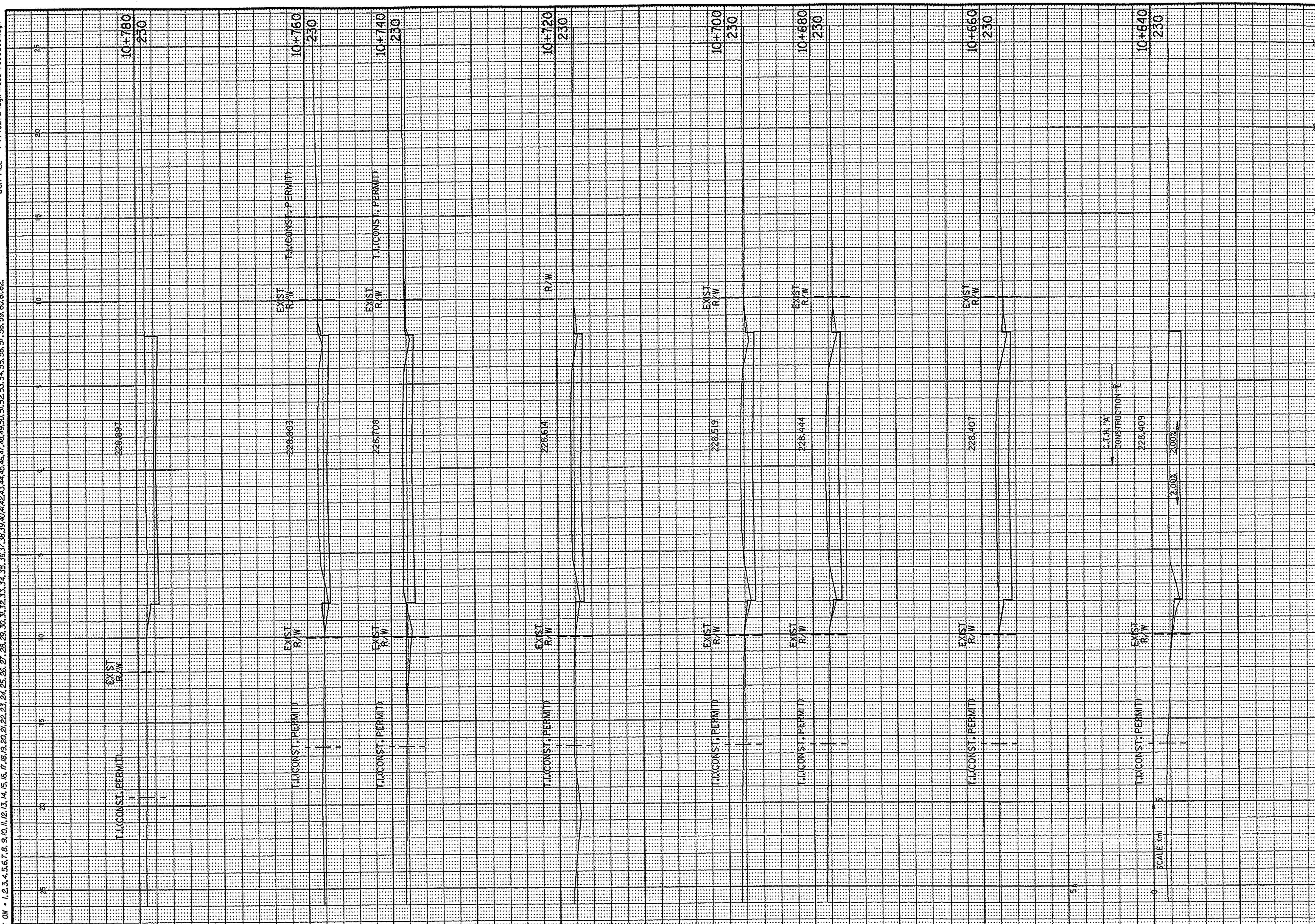
CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-0-78	SHEET NO: 9.5	M

FILE NAME:

WISDOT: MSHT21

GB2
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P±LASERA3±RC005001.PRF
DGN FILE - i:\440278\dgn\xsec\rc005001.dgn



ORIGINATOR:
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

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.6	M

FILE NAME:

WISDOT: MSHT21

ORIGINATOR:

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,

GB2
PEN TABLE = ±plot72±laser±mholfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC006001PRF
DGN FILE = I:\440278\dgn\xsec\rc006001.dgn

FILE NAME:

CROSS SECTION

HWY: C.T.H. "A"

COUNTY: WINNEBAGO

STATE PROJECT NO: 4994-00-78

SHEET NO: 9.7

25 20 15 10 5 0 5 10 15 20 25

T.J.(CONST. PERMIT) EXIST R/W 229.654 EXIST R/W T.J.(CONST. PERMIT) 10+940 230

T.J.(CONST. PERMIT) EXIST R/W 229.559 EXIST R/W T.J.(CONST. PERMIT) 10+920 230

T.J.(CONST. PERMIT) EXIST R/W 229.464 EXIST R/W T.J.(CONST. PERMIT) 10+900 230

EXIST R/W 229.370 EXIST R/W T.J.(CONST. PERMIT) 10+880 230

EXIST R/W 229.275 EXIST R/W T.J.(CONST. PERMIT) 10+860 230

EXIST R/W 229.181 EXIST R/W T.J.(CONST. PERMIT) 10+840 230

EXIST R/W 229.086 EXIST R/W T.J.(CONST. PERMIT) 10+820 230

5

0 SCALE: (m) 5

C.T.H. "A" CONSTRUCTION ℄

EXIST R/W 228.992 EXIST R/W T.J.(CONST. PERMIT) 10+800 230

-2.00% 2.00%

25 20 15 10 5 0 5 10 15 20 25

ORIGINATOR:

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,

GB2
PEN TABLE = ±plot72±laser±mholfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC007001.PRF
DGN FILE = I:\440278\dgn\xsec\rc007001.dgn

FILE NAME:

CROSS SECTION

HWY: C.T.H. "A"

COUNTY: WINNEBAGO

STATE PROJECT NO: 4994-00-78

SHEET NO: 9.8

M

25 20 15 10 5 0 5 10 15 20 25

T.I.(CONST. PERMIT) EXIST R/W 229.642 EXIST R/W 11+100 230

EXIST R/W 229.811 EXIST R/W 11+080 230

EXIST R/W 229.926 EXIST R/W 11+060 230

T.I.(CONST. PERMIT) EXIST R/W 229.985 EXIST R/W 11+040 230

T.I.(CONST. PERMIT) EXIST R/W 229.988 11+020 230

T.I.(CONST. PERMIT) EXIST R/W 229.936 EXIST R/W T.I.(CONST. PERMIT) 11+000 230

T.I.(CONST. PERMIT) EXIST R/W 229.843 EXIST R/W T.I.(CONST. PERMIT) 10+980 230

C.T.H. "A" CONSTRUCTION ℄

T.I.(CONST. PERMIT) EXIST R/W 229.748 2.00% 2.00% EXIST R/W T.I.(CONST. PERMIT) 10+960 230

5A

0 SCALE (m) 5

25 20 15 10 5 0 5 10 15 20 25

WisDOT: MSHT2

ORIGINATOR:

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,

GB2
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC008001.PRF
DGN FILE = I:\440278\dgn\xsec\rc008001.dgn

FILE NAME:

CROSS SECTION

HWY: C.T.H. "A"

COUNTY: WINNEBAGO

STATE PROJECT NO: 4994-00-78

SHEET NO: 9A

M

WisDOT: MSHT21

25 20 15 10 5 0 5 10 15 20 25

EXIST R/W — 228.615 — EXIST R/W — T.J.(CONST. PERMIT) — 11+260 — 230

1:6 — 228.489

EXIST R/W — 228.550 — EXIST R/W — T.J.(CONST. PERMIT) — 11+240 — 230

T.J.(CONST. PERMIT) — EXIST R/W — 228.585 — EXIST R/W — 11+220 — 230

T.J.(CONST. PERMIT) — EXIST R/W — 228.719 — EXIST R/W — T.J.(CONST. PERMIT) — 11+200 — 230

1:6

EXIST R/W — 228.904 — EXIST R/W — 11+180 — 230

EXIST R/W — 229.089 — EXIST R/W — 11+160 — 230

1:6

EXIST R/W — 229.273 — EXIST R/W — 11+140 — 230

1:4

5

0 SCALE: (m) 5

C.T.H. "A" CONSTRUCTION ℄

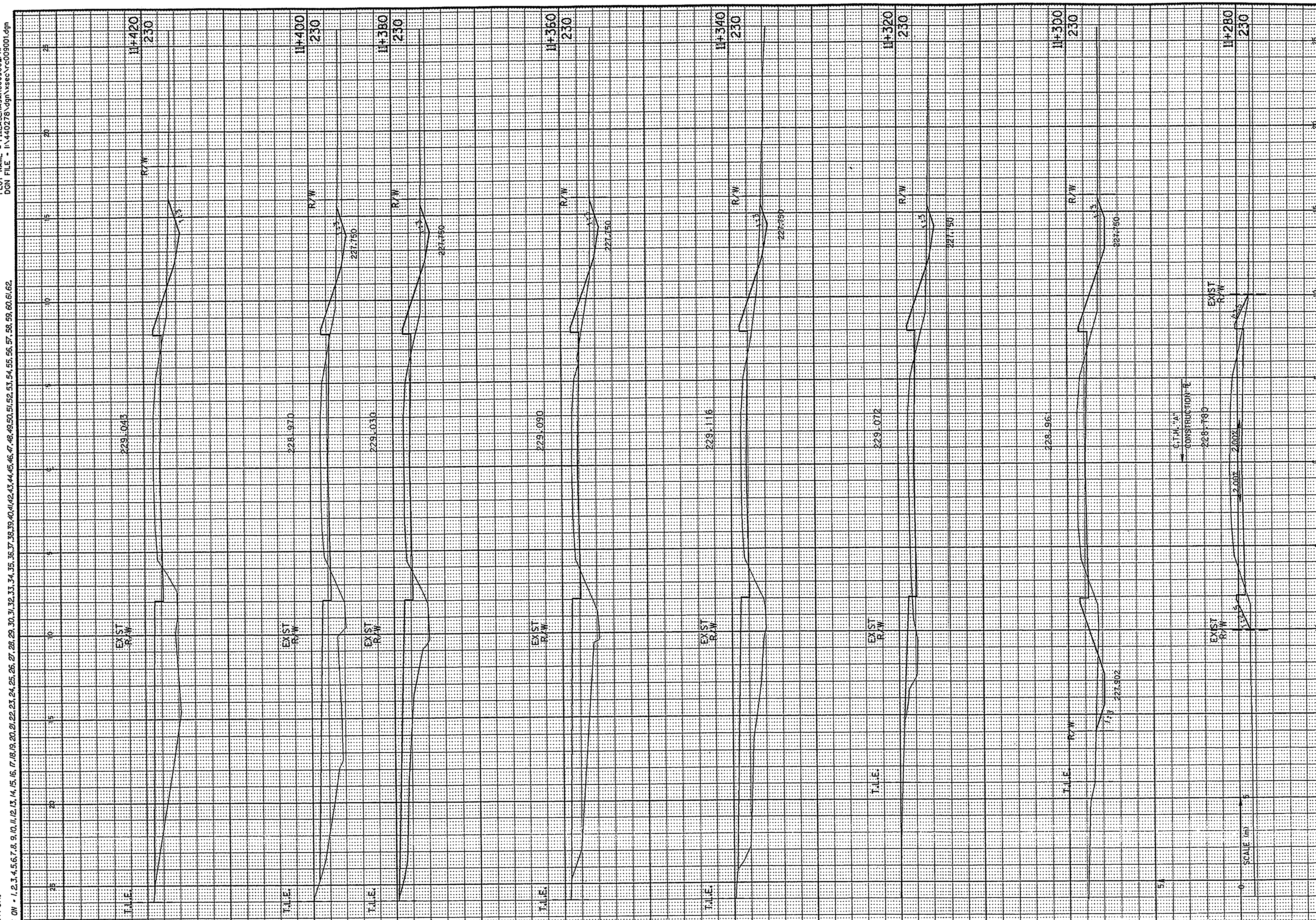
EXIST R/W — 229.458 — EXIST R/W — 11+120 — 230

1:4 — 2.00% — 2.00%

25 20 15 10 5 0 5 10 15 20 25

G82
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P±LASERA3±RC00900LPRF
DGN FILE - I:\440278\dgn\xsec\rc009001.dgn

ORIGINATOR:
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

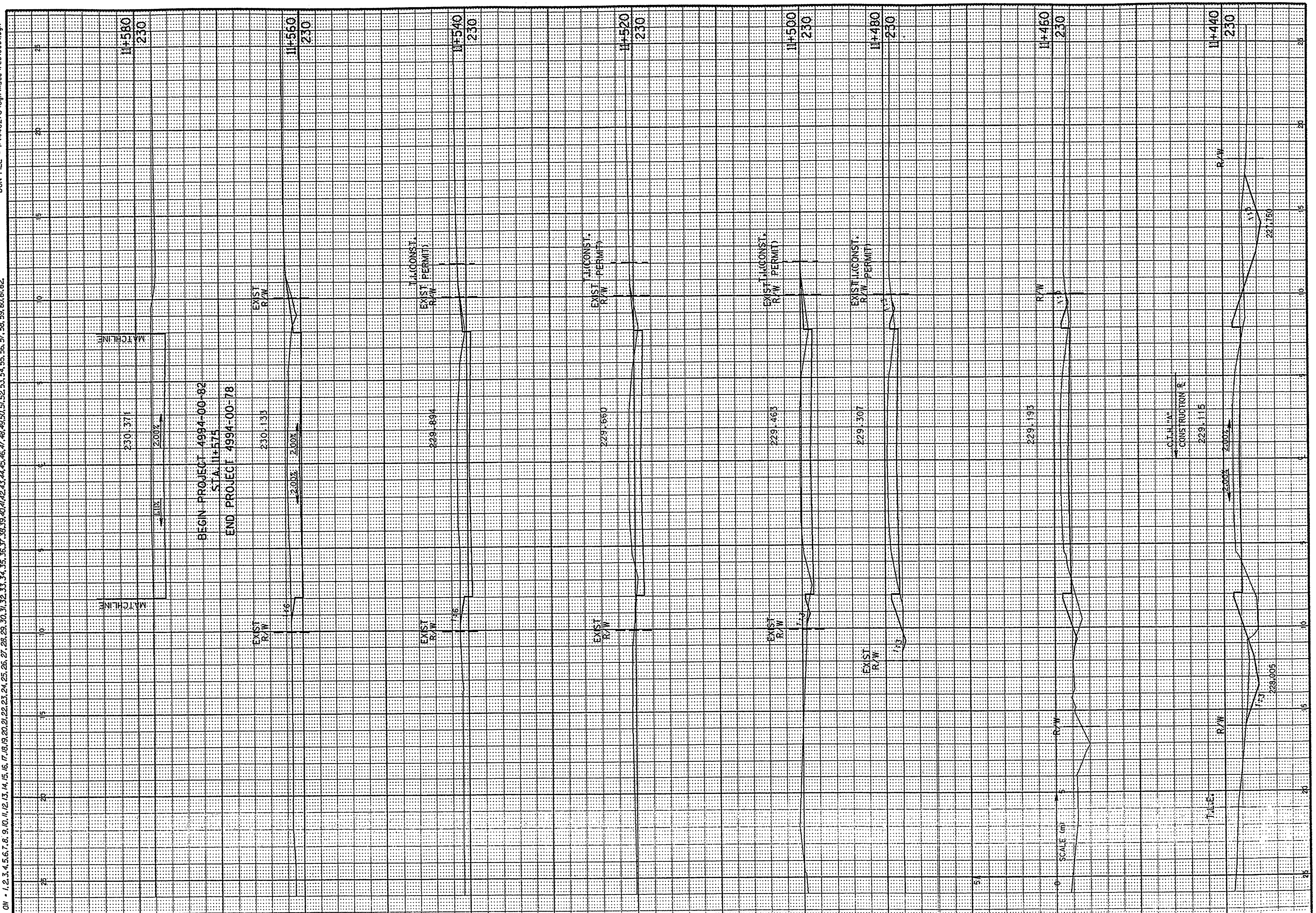


CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.10	M

FILE NAME:

WisDOT: MSHT21

GB2
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/25/98
PLOT NAME = Pt±LASERA3±RC01000LPRF
DGN FILE = i:\440278\dgn\xsec\rc01001.dgn

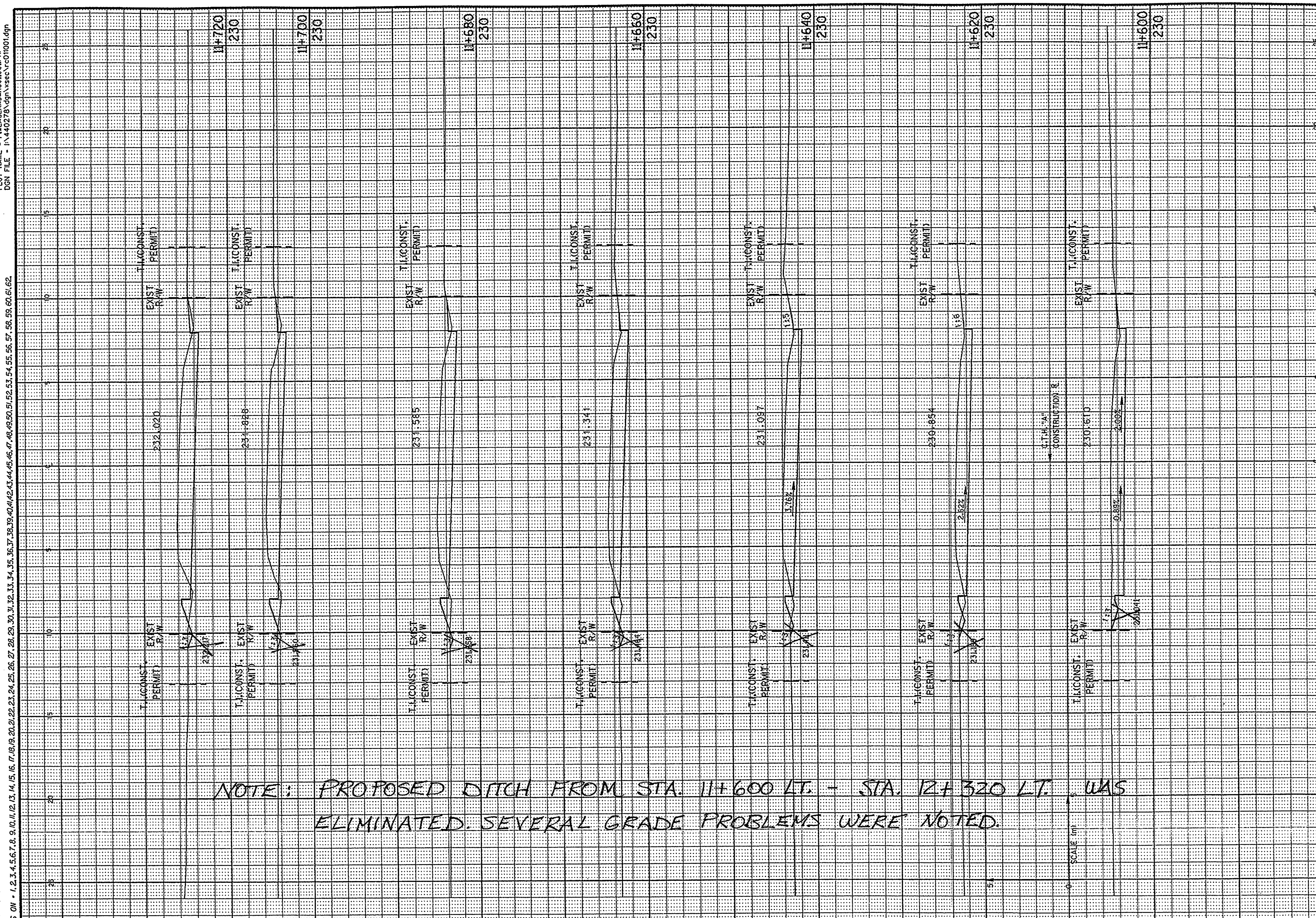


ORIGINATOR:
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78/82	SHEET NO: 9.11	M

FILE NAME:
WisDOT: MSHT21

GB2
PEN TABLE = xplot72:dgcor:mhalfxs.tbl
DATE OF PLOT = 11/24/98
PLOT NAME = P:LASERA3:RC011001.PRF
DGN FILE = I:\440278\dgn\xsec\rc011001.dgn



NOTE: PROPOSED DITCH FROM STA. 11+600 LT. – STA. 12+320 LT. WAS ELIMINATED. SEVERAL GRADE PROBLEMS WERE NOTED.

ORIGINATOR:
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

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.12 M

FILE NAME:
WisDOT: MSHT21

ORIGINATOR:

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.

GB2
PEN TABLE = ±plot72±laser±mhdlfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC013001.PRF
DGN FILE = I:\440278\dgn\xsec\rc013001.dgn

FILE NAME:

CROSS SECTION

HWY: C.T.H. "A"

COUNTY: WINNEBAGO

STATE PROJECT NO: 4994-00-82

SHEET NO: 9.14

M

WisDOT: MSHT21

25 20 15 10 5 0 5 10 15 20 25

T.I.(CONST. PERMIT) EXIST R/W 234.399 EXIST R/W T.I.(CONST. PERMIT)
234.462
12+020
234

T.I.(CONST. PERMIT) EXIST R/W 234.214 EXIST R/W T.I.(CONST. PERMIT)
-1.8%
234.298
12+000
234

T.I.(CONST. PERMIT) EXIST R/W 234.028 EXIST R/W T.I.(CONST. PERMIT)
-1.6%
234.102
11+980
234

T.I.(CONST. PERMIT) EXIST R/W 233.842 EXIST R/W T.I.(CONST. PERMIT)
234.001
11+960
234

T.I.(CONST. PERMIT) EXIST R/W 233.656 EXIST R/W T.I.(CONST. PERMIT)
233.719
11+940
234

T.I.(CONST. PERMIT) EXIST R/W 233.470 EXIST R/W T.I.(CONST. PERMIT)
233.516
11+920
234

T.I.(CONST. PERMIT) EXIST R/W 233.284 EXIST R/W T.I.(CONST. PERMIT)
-2.00% -2.00%
233.364
11+900
234

C.T.H. "A" CONSTRUCTION ℄

T.I.(CONST. PERMIT) EXIST R/W 233.144 EXIST R/W T.I.(CONST. PERMIT)
-.61% -2.00%
233.216
11+880
234

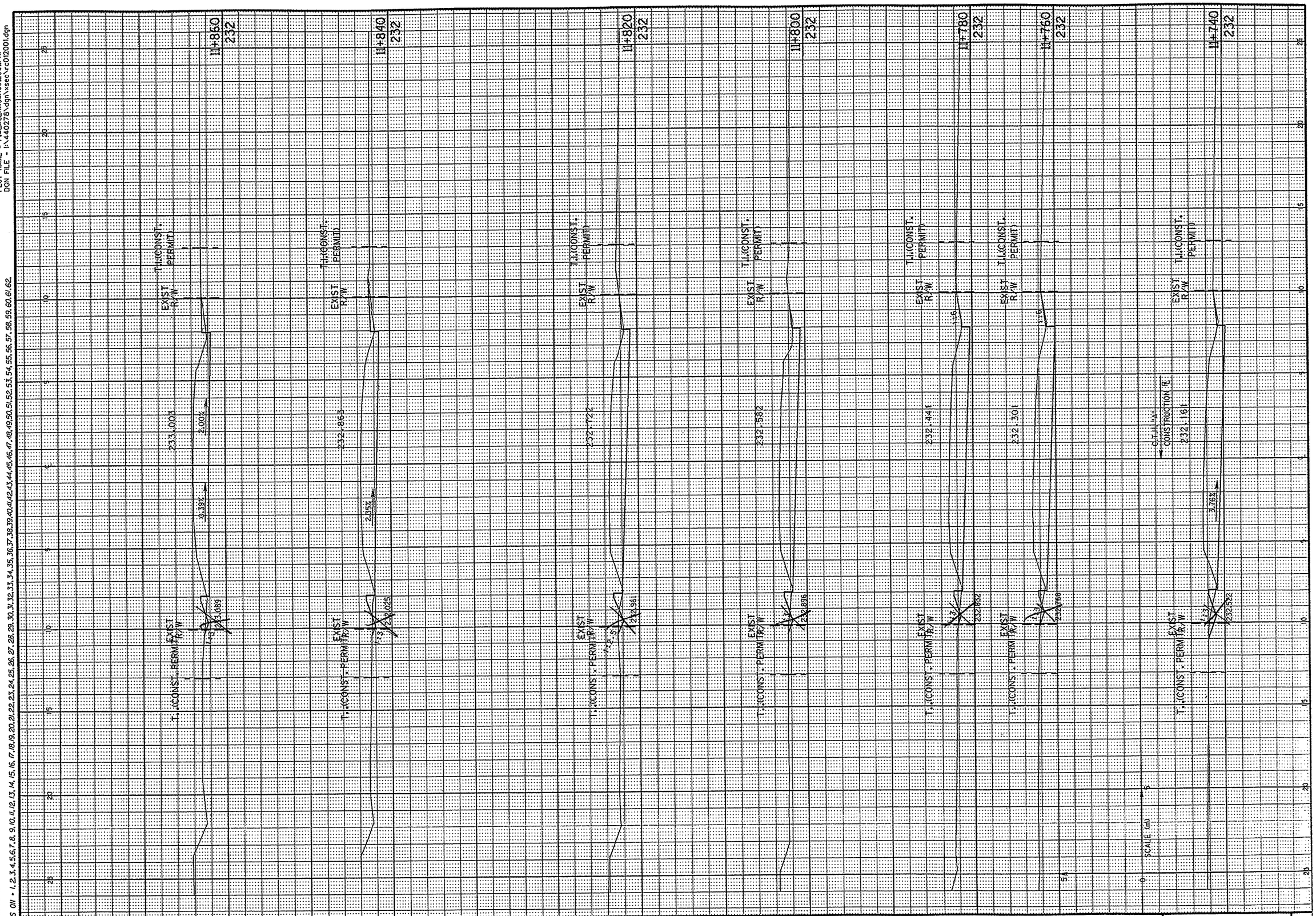
0 SCALE: (m) 5

GB2
PEN TABLE = $plot72$laser$mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:$LASERA3$RC012001.PRF
DGN FILE = I:\4402078\dgn\xsec\rc012001.dgn

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

ORIGINATOR:

FILE NAME:



CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.13	M

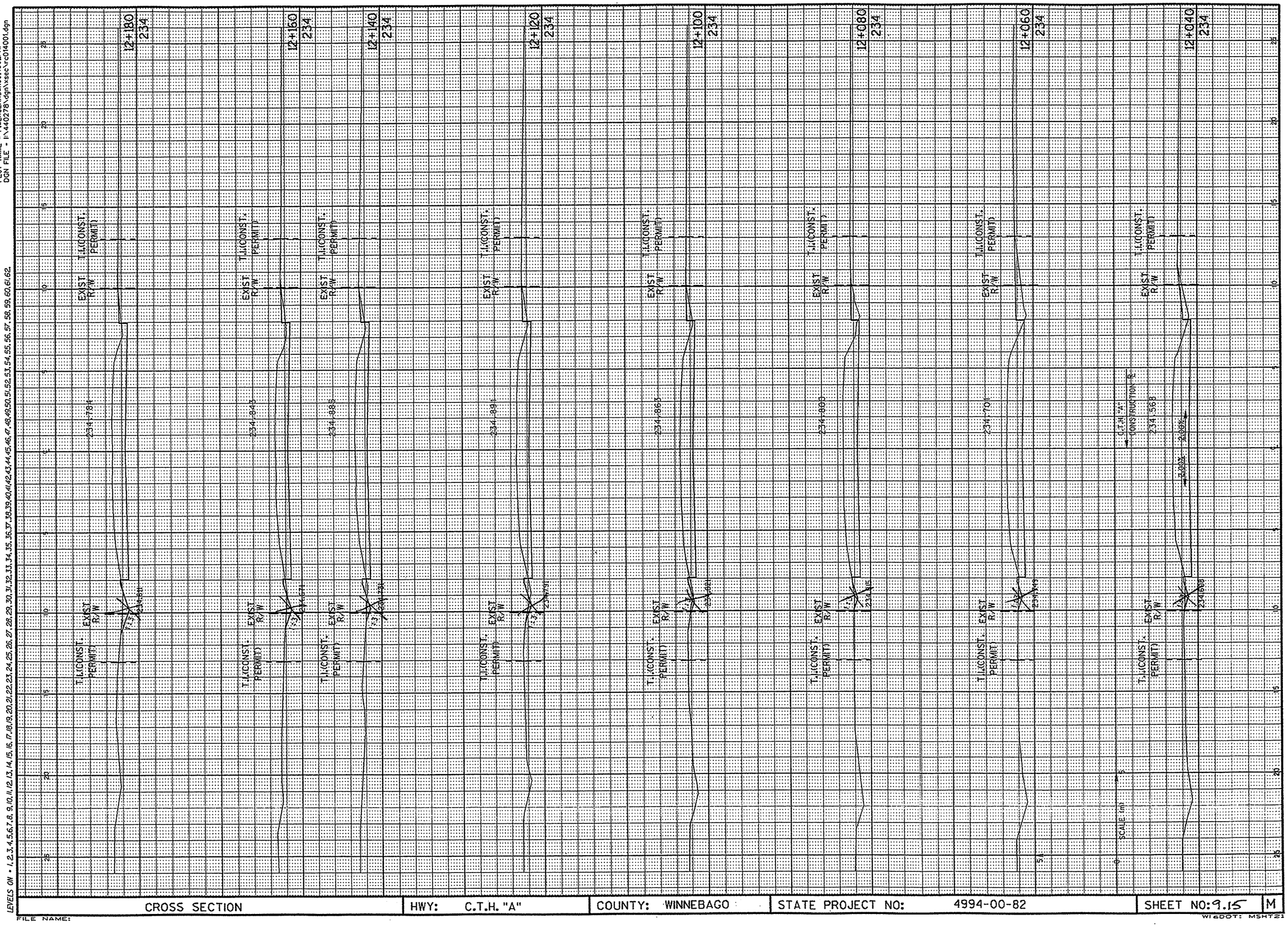
WisDOT: MSHT2:

GB2
PEN TABLE = ±plot72±laser±mholfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC01401LPRF
DGN FILE = P:\440278\dgn\xsec\rc01401.dgn

ORIGINATOR:

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.

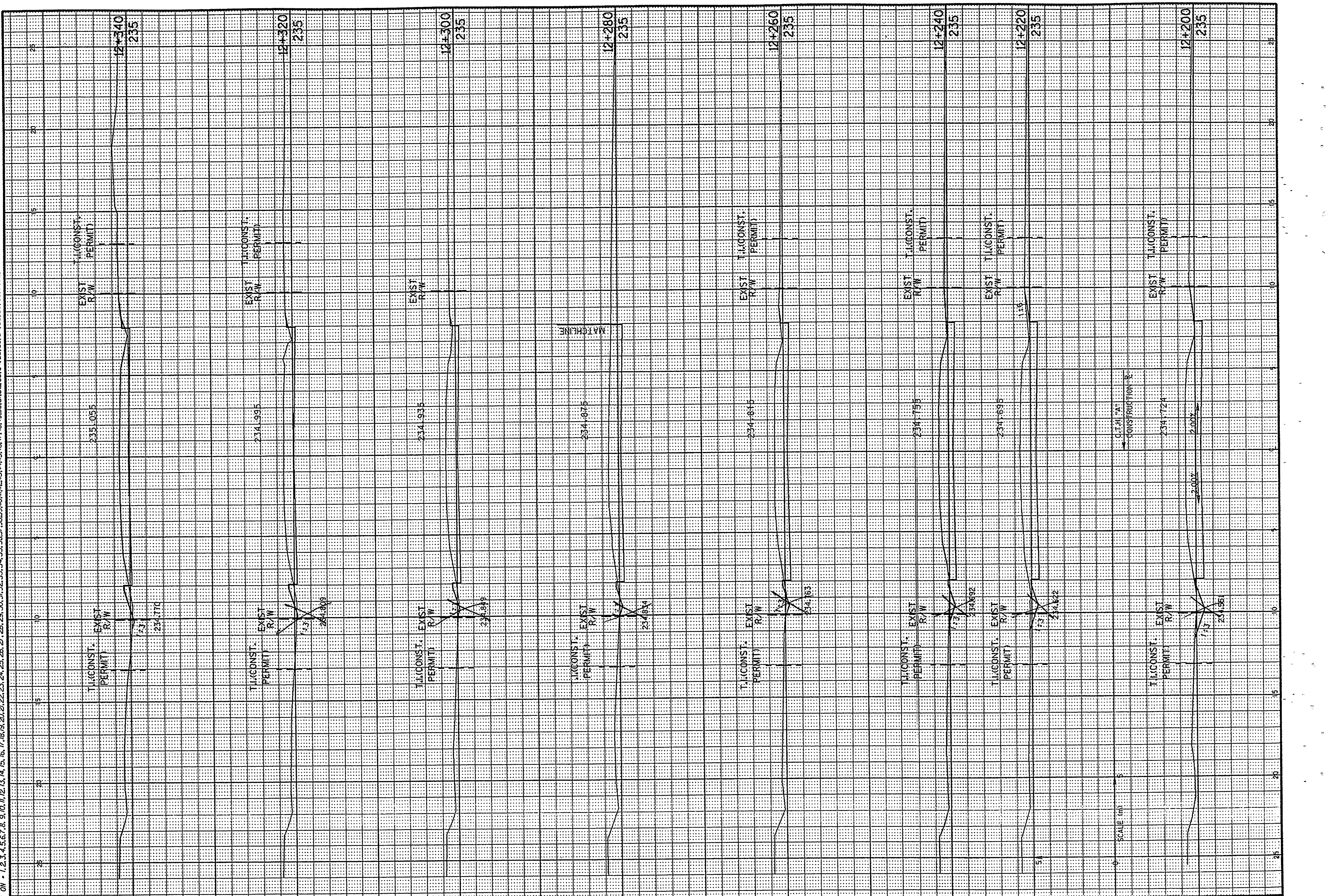
FILE NAME:



CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.15	M

WisDOT: MSHT21

GB2
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC015001.PRF
DGN FILE • I:\440278\dgn\xsec\rc015001.dgn



ORIGINATOR:
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

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.16	M

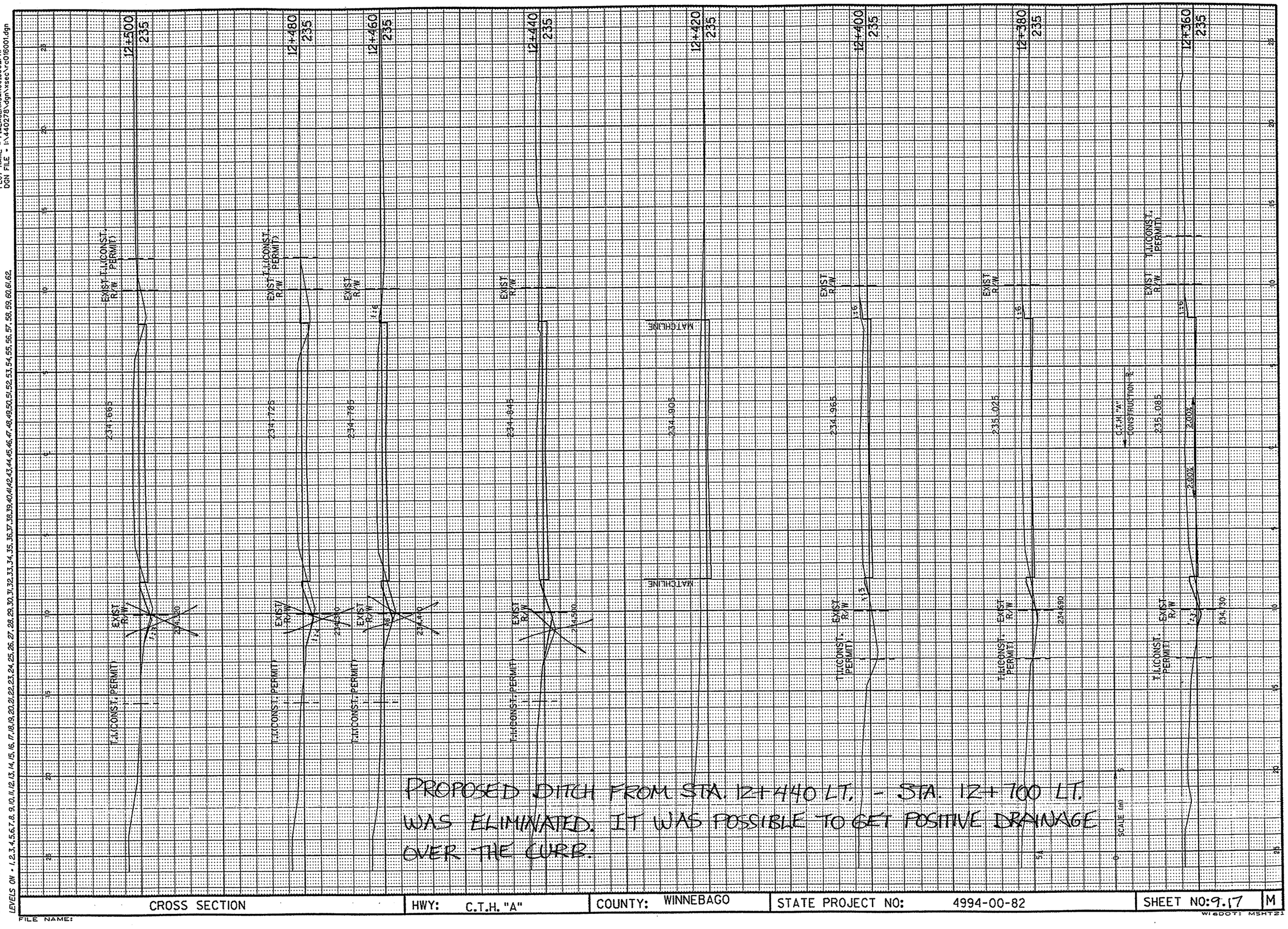
FILE NAME:

WisDOT: MSHT21

GB2
PEN TABLE = ±plot72slaser±mhalf±xs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC0160010LPRF
DGN FILE = i:\440278\dgn\xsec\rc0160001.dgn

ORIGINATOR:

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.



PROPOSED DITCH FROM STA. 12+440 LT. - STA. 12+700 LT. WAS ELIMINATED. IT WAS POSSIBLE TO GET POSITIVE DRAINAGE OVER THE CURB.

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.17	M

FILE NAME:

WisDOT: MSHT21

CB2
PEN TABLE = ±plot72±loser±mhalfxs.tbl
DATE OF PLOT = 11/24/98
PLOT NAME = P:±LASERA3±RCO1T001.PRF
DGN FILE = i:\440278\dgn\xsec\rc017001.dgn

ORIGINATOR:

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.

12+660
235
EXIST T.H.(CONST. PERMIT) R/W
234.830
EXIST R/W
234.420
1:3
T.H.(CONST. PERMIT)

12+640
235
EXIST T.H.(CONST. PERMIT) R/W
234.890
EXIST R/W
234.389
1:3
1:3
T.H.(CONST. PERMIT)

12+620
235
EXIST T.H.(CONST. PERMIT) R/W
234.821
EXIST R/W
234.340
1:3
T.H.(CONST. PERMIT)

12+600
235
EXIST T.H.(CONST. PERMIT) R/W
234.752
EXIST R/W
234.020
1:2.5
T.H.(CONST. PERMIT)

12+580
235
EXIST T.H.(CONST. PERMIT) R/W
234.683
EXIST R/W
234.080
2:1
T.H.(CONST. PERMIT)

12+560
235
EXIST T.H.(CONST. PERMIT) R/W
234.614
EXIST R/W
234.210
1:2.5
T.H.(CONST. PERMIT)

12+540
235
EXIST T.H.(CONST. PERMIT) R/W
234.545
EXIST R/W
234.200
1:2.5
T.H.(CONST. PERMIT)

12+520
235
EXIST T.H.(CONST. PERMIT) R/W
234.605
EXIST R/W
234.430
1:3
T.H.(CONST. PERMIT)

C.T.H. "A"
CONSTRUCTION ℄
2.00%

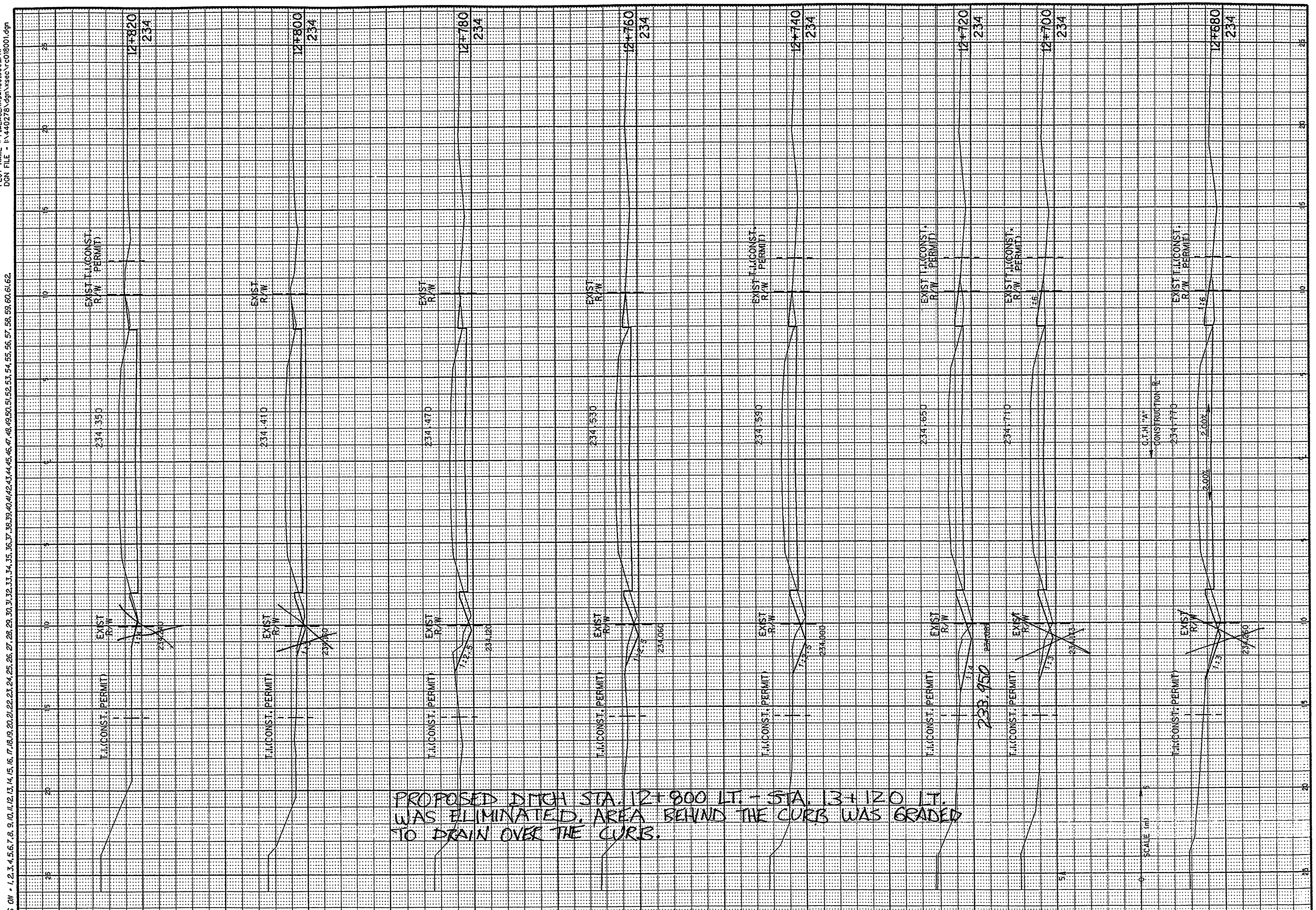
SCALE (m)
0 5

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.18	M

FILE NAME:

WISDOT: MSHT21

CB2
PEN TABLE = :plot72:laser:mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:LASERA3:RC01800LPRF
DGN FILE = I:\440278\dgn\xsec\rc01800l.dgn



PROPOSED DITCH STA. 12+800 LT. - STA. 13+120 LT.
WAS ELIMINATED. AREA BEHIND THE CURB WAS GRADED
TO DRAIN OVER THE CURB.

ORIGINATOR:
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

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.19	M

FILE NAME:

WISDOT: MSHT21

ORIGINATOR:

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,

GB2
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC019001.PRF
DGN FILE = I:\440278\dgn\xsec\rc019001.dgn

FILE NAME:

CROSS SECTION

HWY: C.T.H. "A"

COUNTY: WINNEBAGO

STATE PROJECT NO: 4994-00-82

SHEET NO: 9.20

M

25 20 15 10 5 0 5 10 15 20 25

T.I.(CONST. PERMIT) EXIST R/W 235.526 EXIST R/W 12+980 234

1:3 235.416

T.I.(CONST. PERMIT) EXIST R/W 235.196 EXIST R/W 12+960 234

235.232

T.I.(CONST. PERMIT) EXIST R/W 234.927 EXIST R/W 12+940 234

234.838

T.I.(CONST. PERMIT) EXIST R/W 234.728 EXIST R/W 12+920 234

234.842

T.I.(CONST. PERMIT) EXIST R/W 234.599 EXIST R/W 12+900 234

234.652

T.I.(CONST. PERMIT) EXIST R/W 234.530 EXIST R/W 12+880 234

234.460

5

0 SCALE (m) 5

T.I.(CONST. PERMIT) EXIST R/W 234.470 EXIST R/W 12+860 234

234.360

C.T.H "A" CONSTRUCTION ℄

T.I.(CONST. PERMIT) EXIST R/W 234.410 EXIST R/W 12+840 234

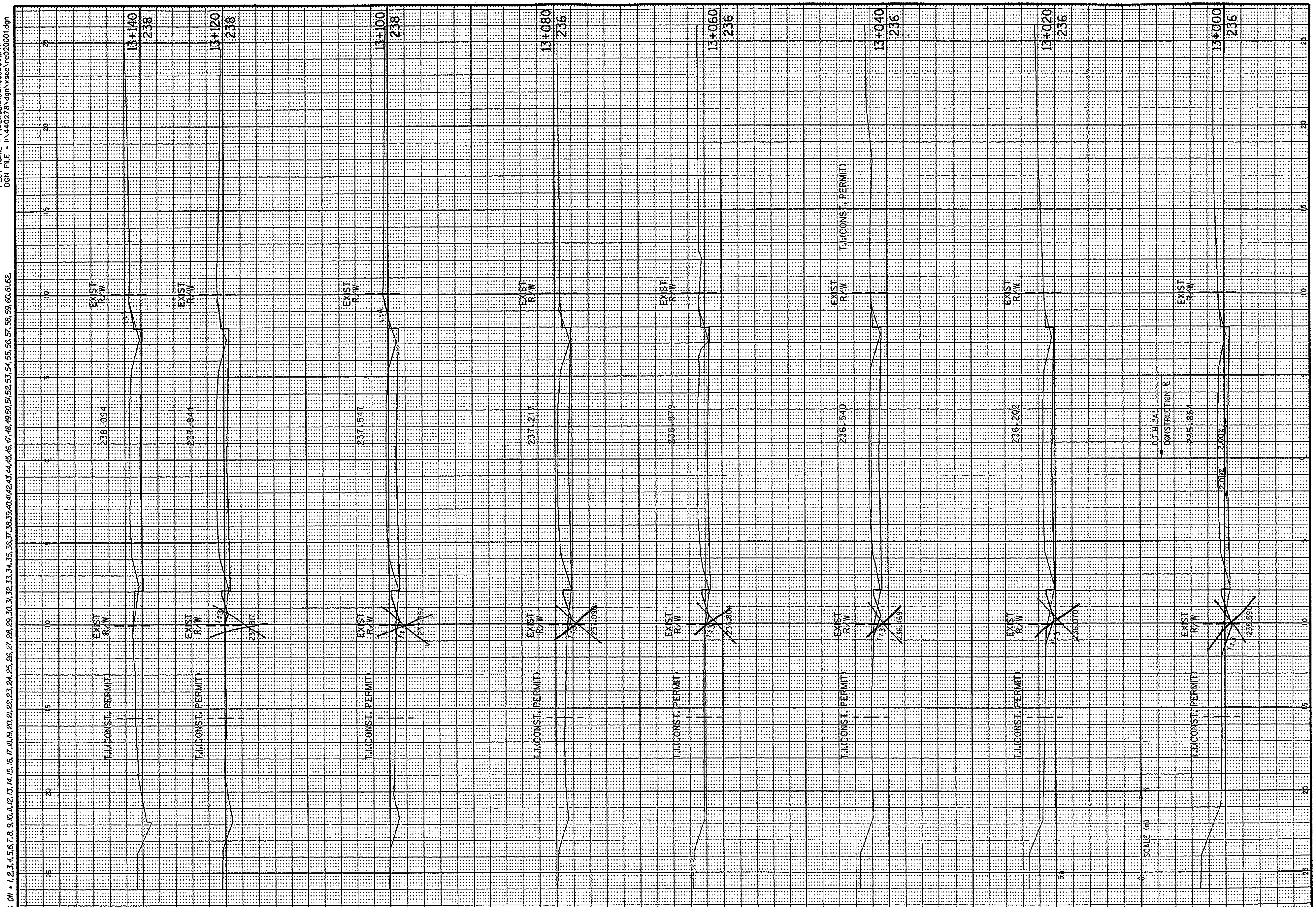
2.00% 2.00%

234.300

25 20 15 10 5 0 5 10 15 20 25

W:\SDOT\MSHT2\

GB2
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P±LASERA3±RC02000LPRF
DGN FILE = I:\440278\dgn\xsec\rc020001.dgn



ORIGINATOR:
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

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.21	M

FILE NAME:

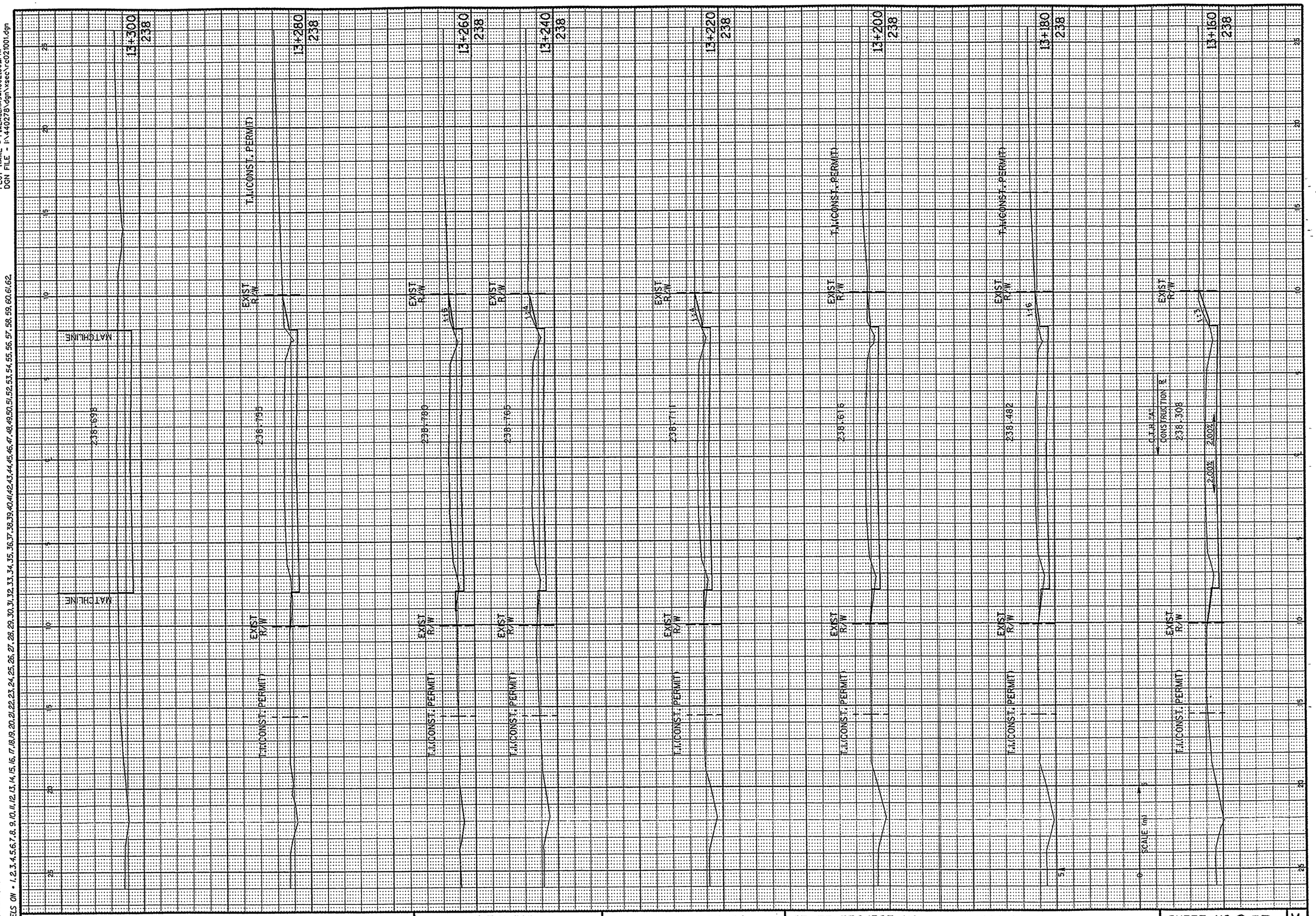
WISDOT: MSHT.21

GB2
PEN TABLE = \plot\72\loser\mholf\xs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:\LASERA3\RC02\00\PRF
DGN FILE = i:\440278\dgn\xsec\rc02001.dgn

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.

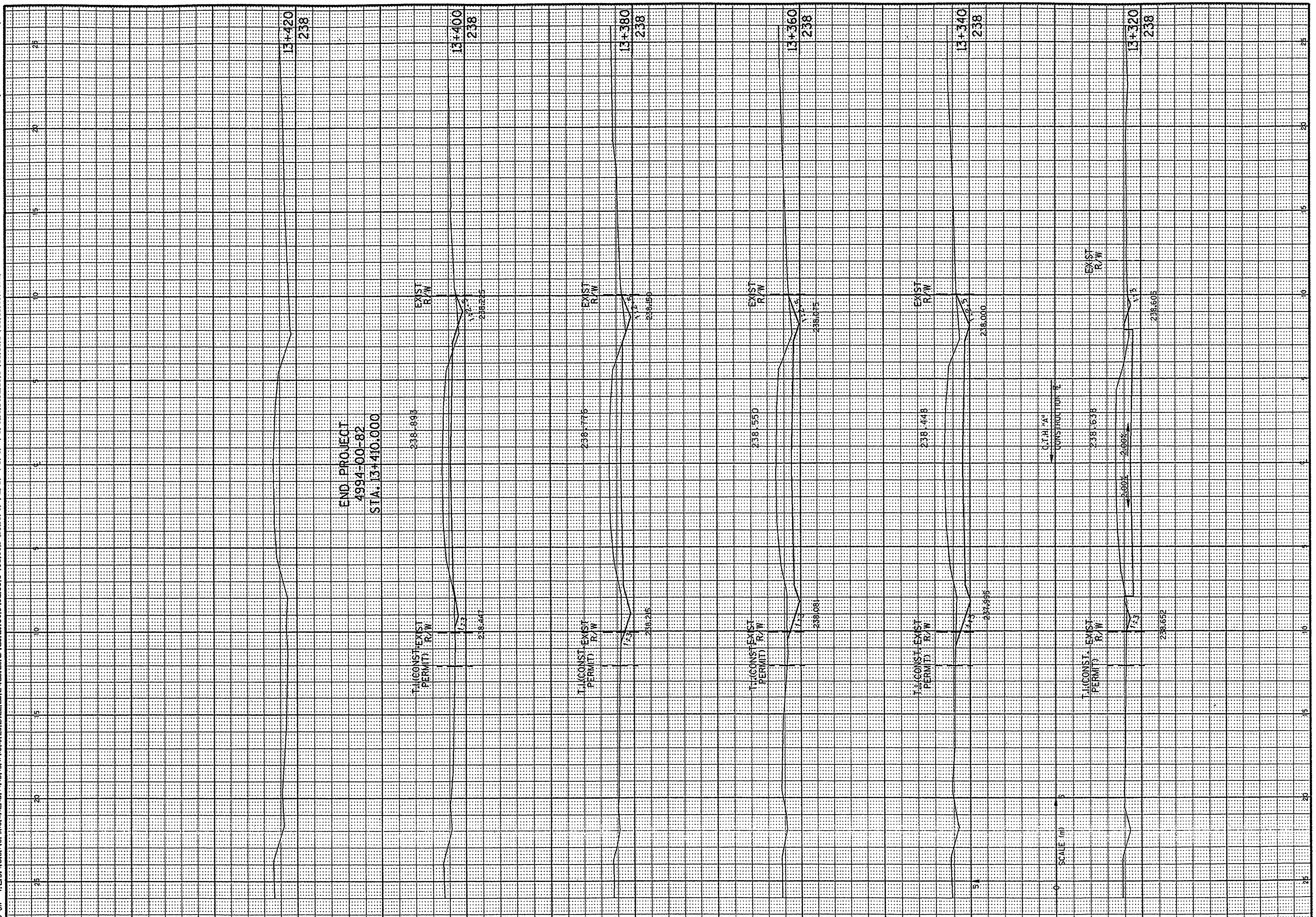
ORIGINATOR:

FILE NAME:



CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.22	M

WISDOT: MSHT21



ORIGINATOR:

CROSS SECTION	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.23	M

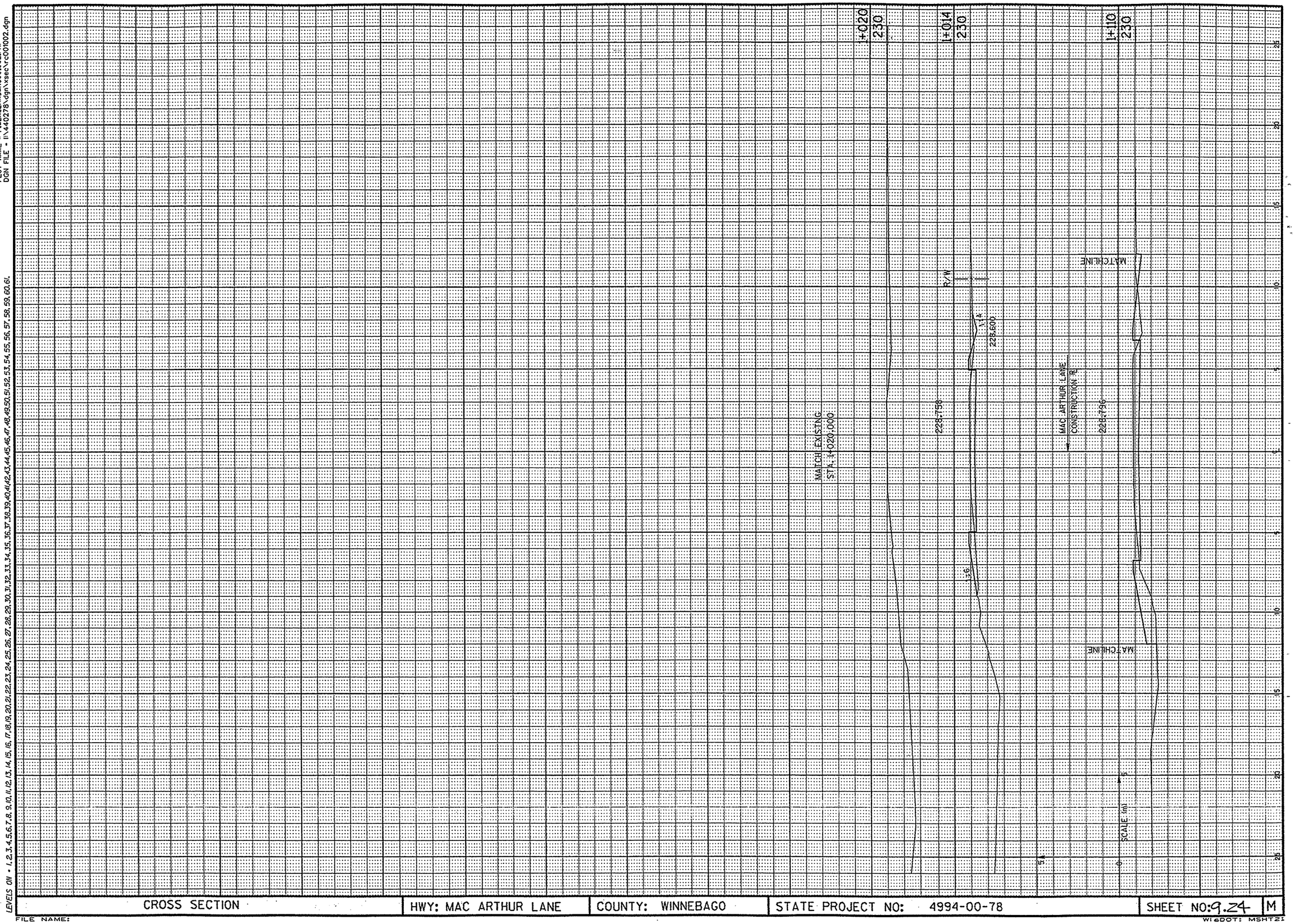
FILE NAME:

WISDOT: MSHT21

GB2
PEN TABLE = $plot72sloser$mhqlfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:$LASER$1$RC001002.PRF
DGN FILE = I:\440278\dgn\xsec\rc001002.dgn

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.

ORIGINATOR:



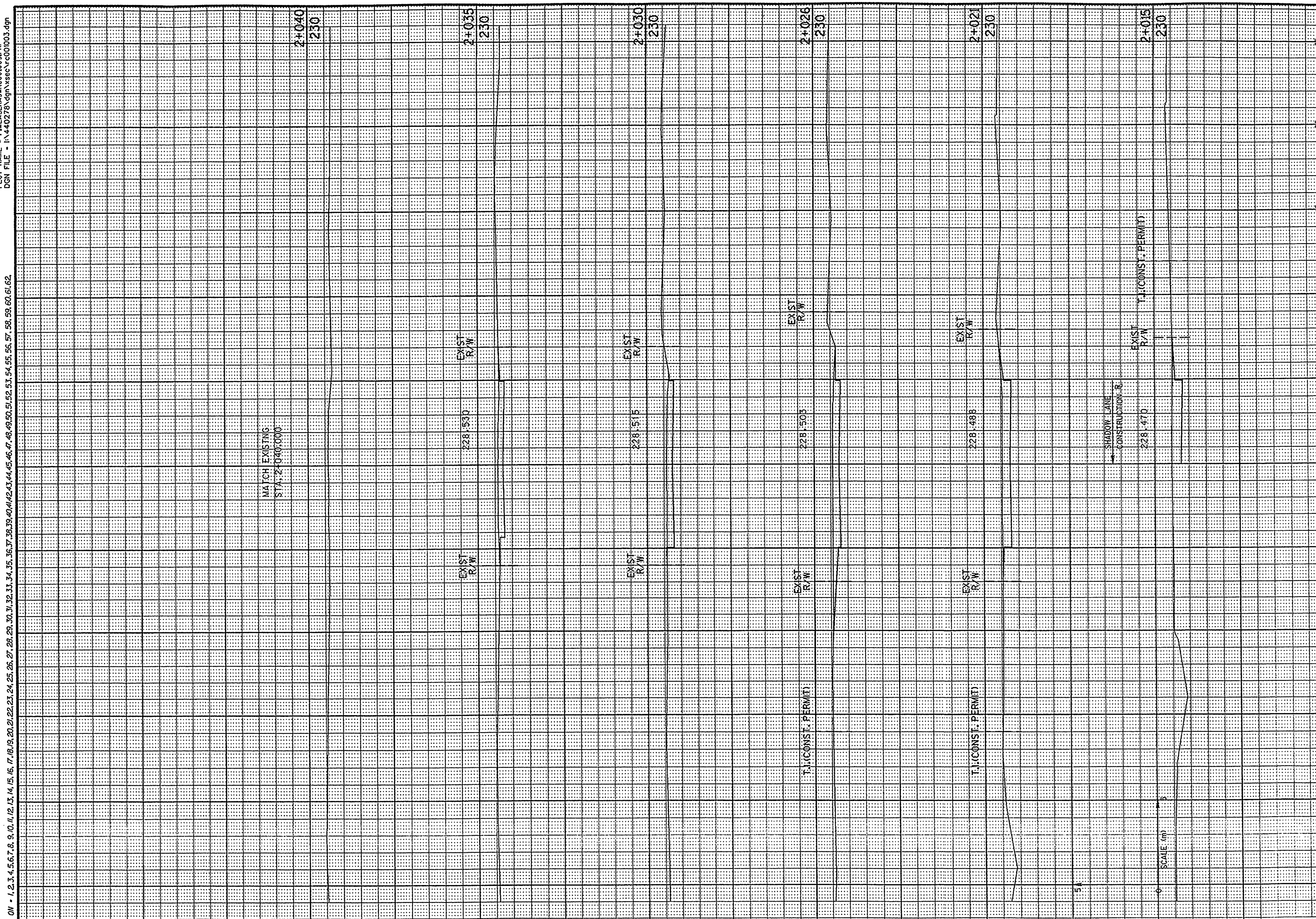
CROSS SECTION	HWY: MAC ARTHUR LANE	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.24	M

FILE NAME:

WisDOT: MSHT21

GB2
PEN TABLE = splot72#laser#mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:\LASER\A3\RC001003.PRF
DGN FILE - I:\440278\dgn\xsec\rc001003.dgn

ORIGINATOR:
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,...,62



CROSS SECTION	HWY: SHADOW LANE	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.35	M

FILE NAME:

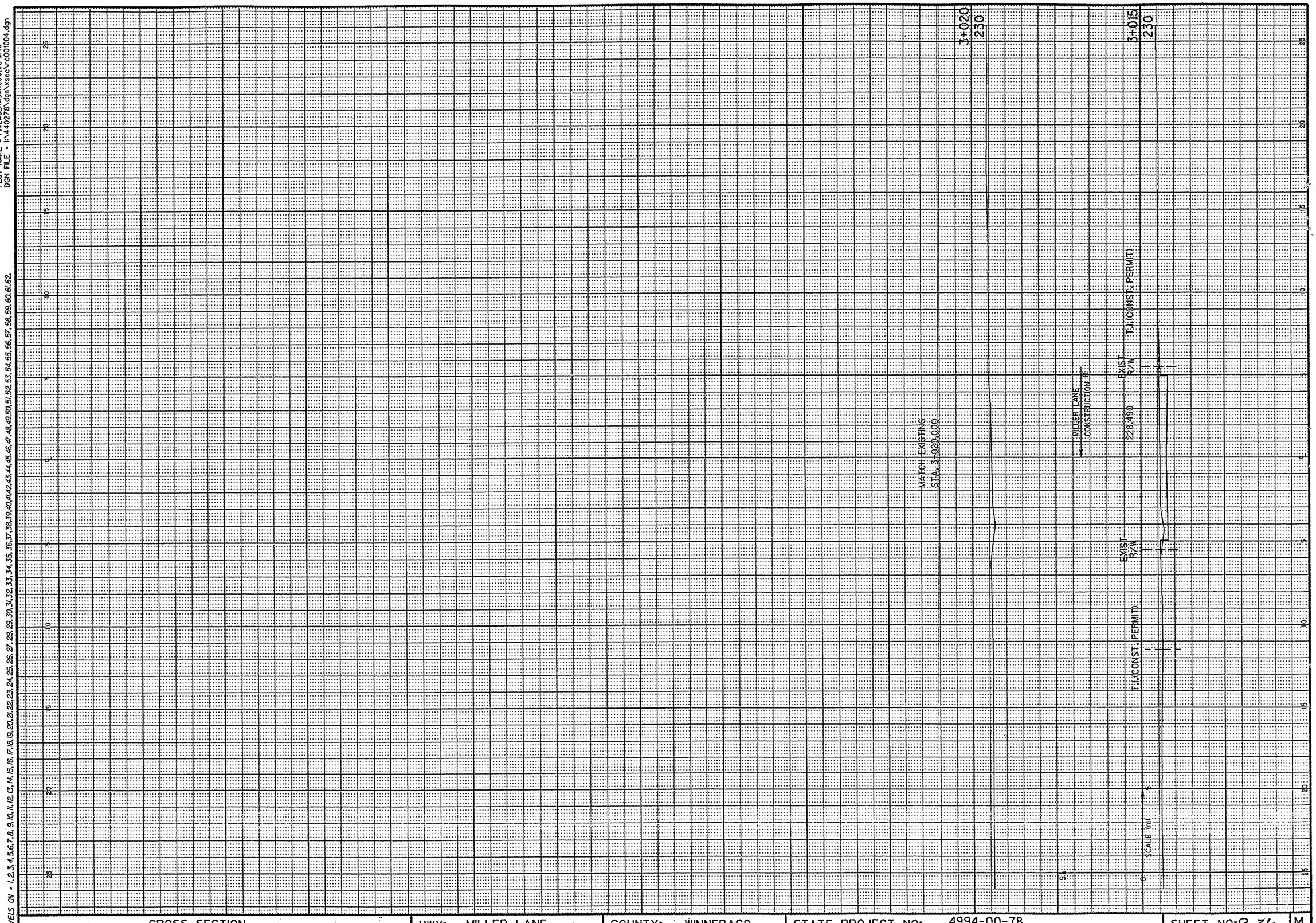
WISDOT: MSHT2

GB2
PEN TABLE = ±plot72±laser±mholfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC001004.PRF
DGN FILE = I:\440278\dgn\xsec\rc001004.dgn

ORIGINATOR:

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

FILE NAME:



CROSS SECTION	HWY: MILLER LANE	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.26	M

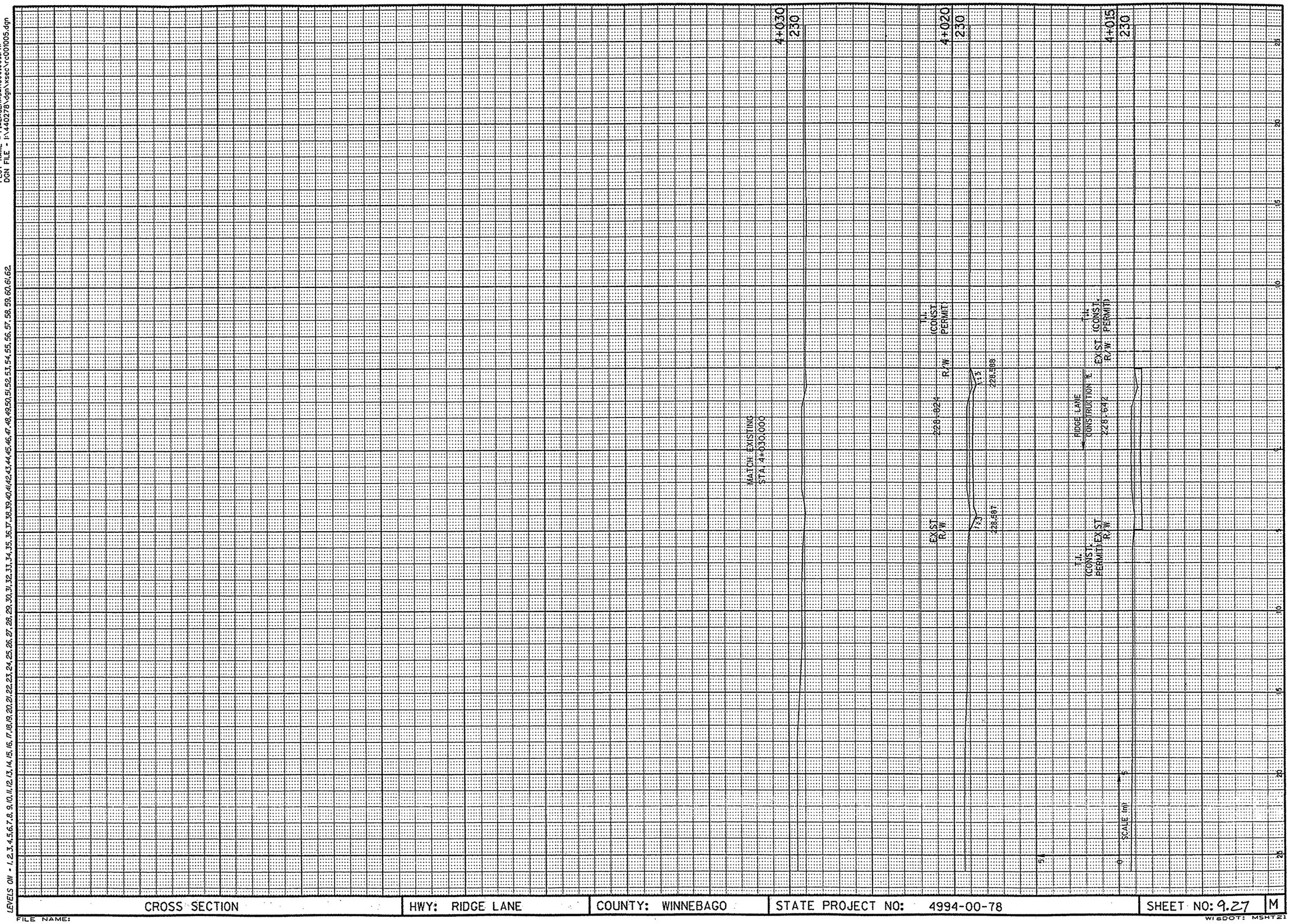
WISDOT: MSHT21

GB2
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC001005.PRF
DGN FILE = I:\440278\dgn\xsec\rc001005.dgn

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,

ORIGINATOR:

FILE NAME:



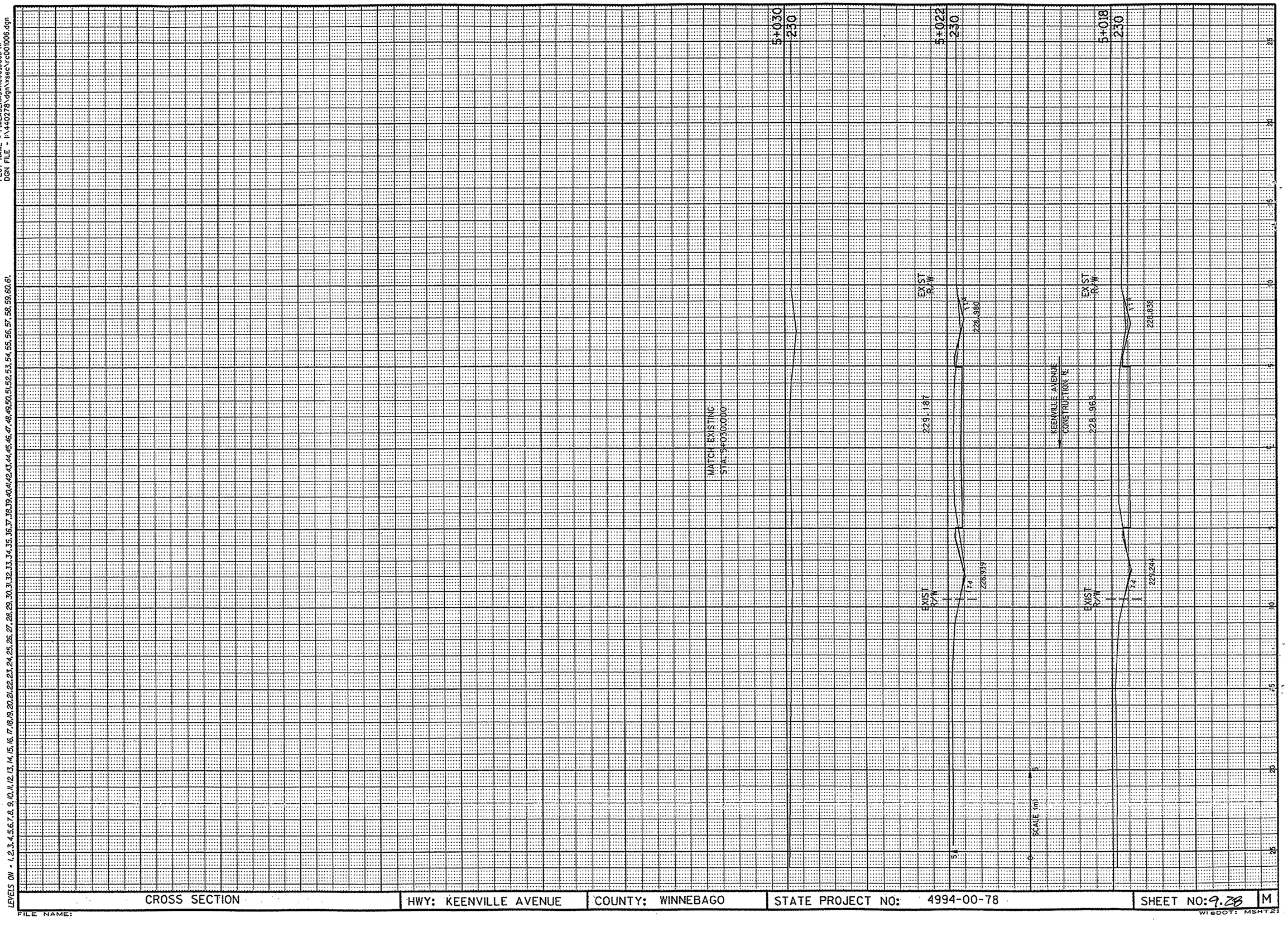
CROSS SECTION	HWY: RIDGE LANE	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.27	M

WISDOT: MSHT21

CB2
PSLT TABLE = ±plot72±laser±mholfxs.tbl
DATE OF PLOT = 11/24/98
PLOT NAME = P±LASERAJ±RC00I006.PRF
DGN FILE = I:\440278\dgn\xsec\rc001006.dgn

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.

ORIGINATOR:



CROSS SECTION	HWY: KEENVILLE AVENUE	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.28	M

FILE NAME:

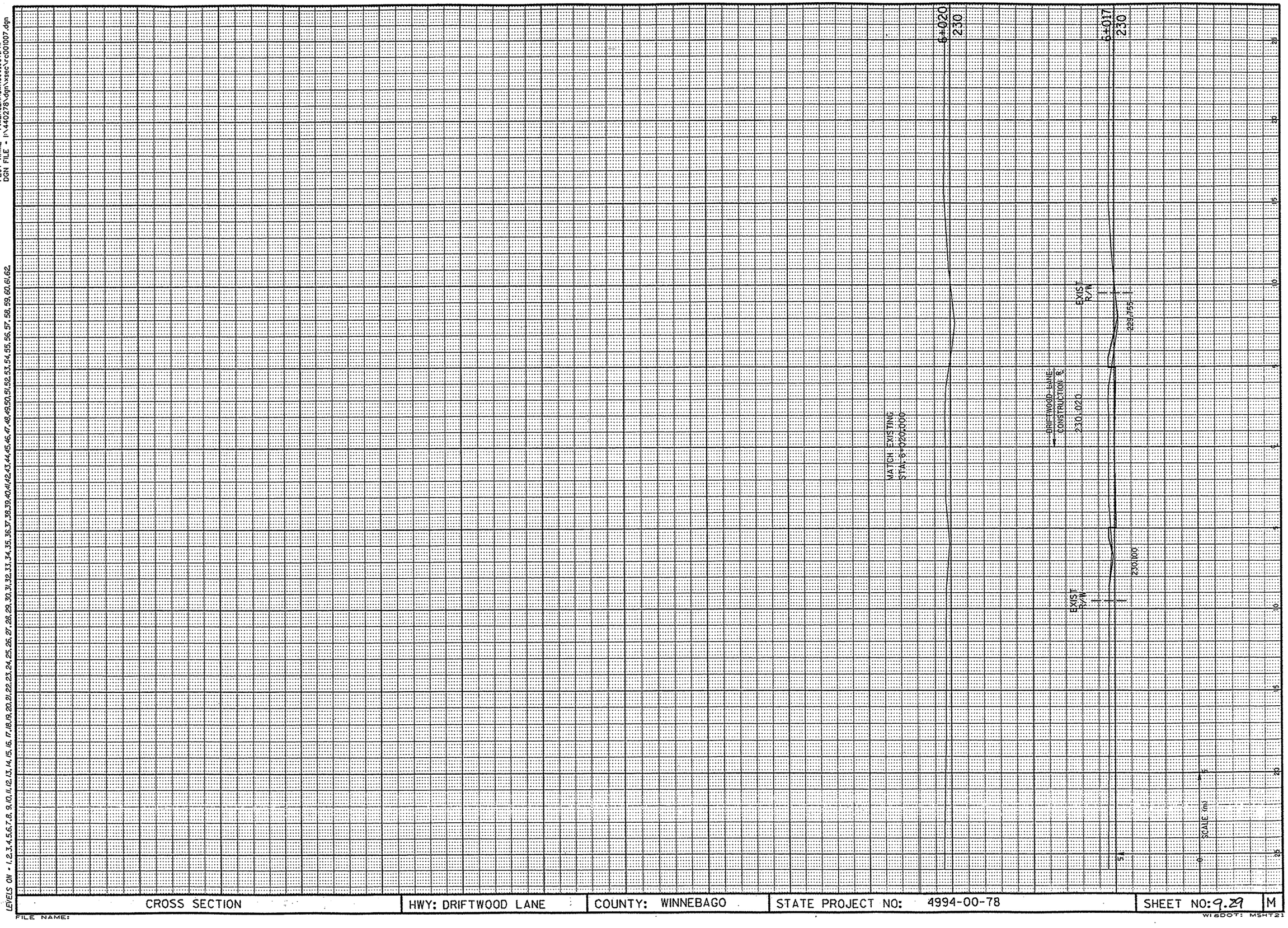
WisDOT: MSHT21

GB2
PEN TABLE = plo72closer$mholfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:$LASER$3$RC000007.PRF
DGN FILE = I:\440278\dgn\xsec\rc000007.dgn

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,

ORIGINATOR:

FILE NAME:



CROSS SECTION	HWY: DRIFTWOOD LANE	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.29	M

WisDOT: MSHT21

GB2
PEN TABLE = ±plot72±loser±mholfxs.tbl
DATE OF PLOT 11/25/98
PLOT NAME = P:±LASERA3±RC001008.PRF
DGN FILE = I:\440278\dgn\vsec1rc001008.dgn

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,

ORIGINATOR:

FILE NAME:

CROSS SECTION	HWY: SNELL ROAD	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78/82	SHEET NO: 9.30	M

WisDOT: MSHT21

GB2
PEN TABLE = ±plot72±user±mholfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERJ4±RC001009.PRF
DGN FILE = I:\440278\dgn\xsec\rc001009.dgn

ORIGINATOR:

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

8+040
234

8+032
234

8+025
234

8+020
234

8+016
234

MATCH EXISTING
STA. 8+040.000

EXIST R/W
234.806
1.5
234.487

EXIST R/W
234.756
1.5
234.504

EXIST R/W
234.769
1.5
234.493

PICKETT AVE.
CONSTRUCTION R.
234.776

EXIST R/W

T.H. CONST. PERMIT

EXIST R/W

T.H. CONST. PERMIT

EXIST R/W

SCALE (m) 1 : 5

CROSS SECTION	HWY: PICKETT AVENUE	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.31	M

FILE NAME:

WISDOT: MSHT21

CB2
PEN TABLE = ±plot72±loser±mhalf×s.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASER43±RC00101O.PRF
DGN FILE = i:\440278\dgn\xsec\rc001010.dgn

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

ORIGINATOR:

FILE NAME:

MATCH EXISTING
STA. 9+025.000

9+025
236

EXIST T.L.(CONST. PERMIT)
R/W
234.778

9+020
236

EXIST
R/W
234.946

8+985
236

BUTLER AVENUE
CONSTRUCTION ℄
EXIST
R/W
235.228

8+980
236

MATCH EXISTING
STA. 8+965.000

SCALE (m)

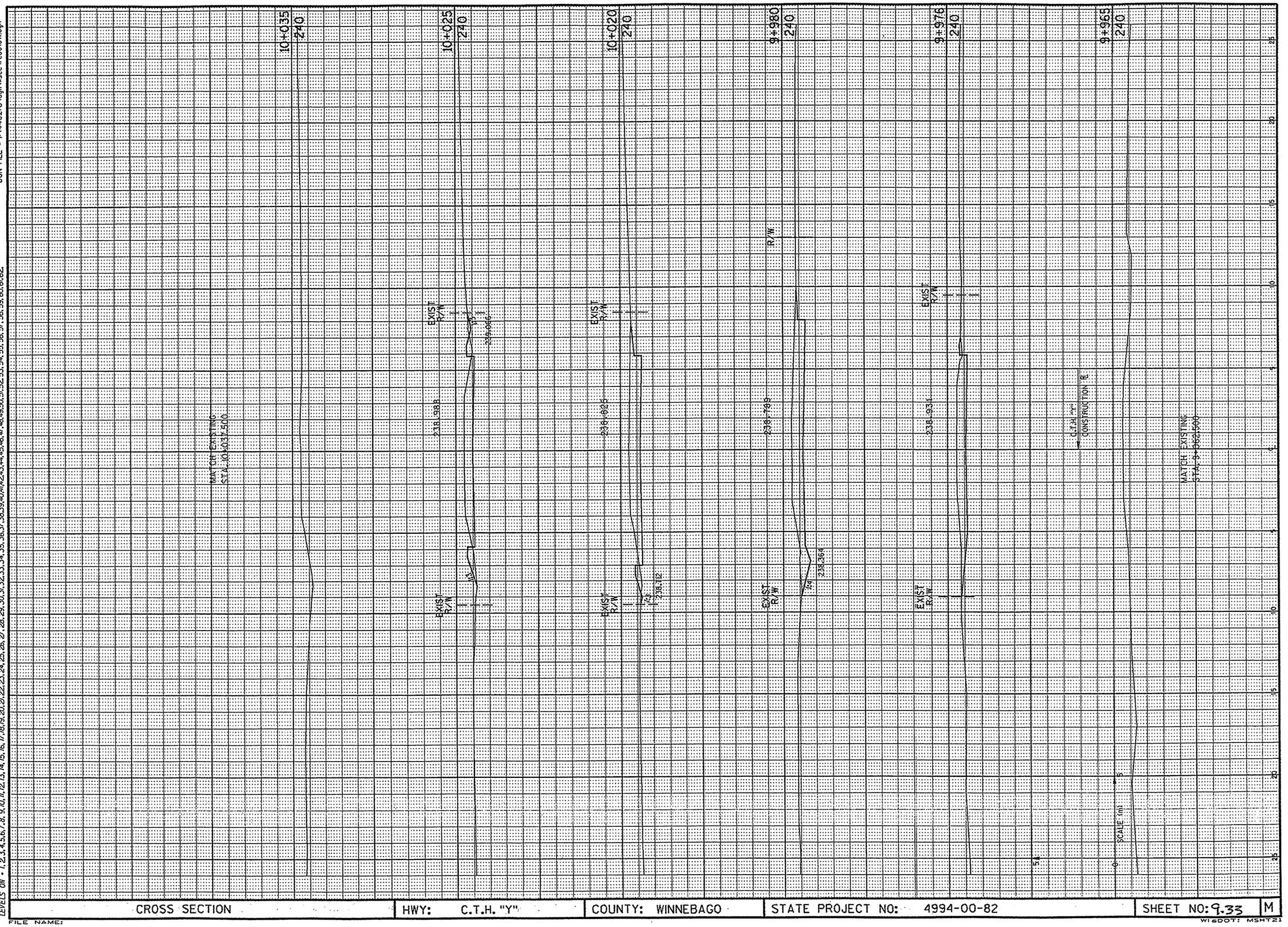
CROSS SECTION | HWY: BUTLER AVENUE | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 9.32 | M

WISDOT: MSHT21

CB2
PEN TABLE = $plot72$laser$mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:$LASERA3$RC0010LPRF
DGN FILE = I:\440278\dgn\xsec\rc0010lt.dgn

ORIGINATOR:

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,



CROSS SECTION	HWY: C.T.H. "Y"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.33	M

FILE NAME:

WisDOT: MSHT21

GB2
PEN TABLE = t:\plot72\laser\mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:\LASERA3\RC000102.PRF
DGN FILE = i:\440278\dgn\xsec\rc000102.dgn

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.

ORIGINATOR:

FILE NAME:

10+409
230
229.020
R/W
1.0%
10+392
230
229.111
R/W
6.0%
EXIST R/W
3.4%
10+255
230
229.908
EXIST R/W
T.L.(CONST. PERMIT)
230.175
5.0%
10+222
230
T.L.(CONST. PERMIT)
EXIST R/W
230.272
6.0%
10+210
230
10+105
230
230.733
EXIST R/W
230.674
6.0%
10+080
230
T.L.(CONST. PERMIT)
EXIST R/W
6.0%
EXIST R/W
6.0%
10+052
230
EXIST R/W
8.0%
CONSTRUCTION &
SCALE (m)

CROSS SECTION (P.E.'S. AND F.E.'S.)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.34	M

WISDOT: MSHT21

ORIGINATOR:

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.

GB2
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT . 11/24/98
PLOT NAME = P:±LASERA3±RC002012.PRF
DGN FILE = I:\440278\dgn\xsec\rc002012.dgn

FILE NAME:

CROSS SECTION (P.E.'S. AND F.E.'S.)

HWY: C.T.H. "A"

COUNTY: WINNEBAGO

STATE PROJECT NO: 4994-00-78

SHEET NO: 9.35 M

WisDOT: MSHT21

25 20 15 10 5 0 5 10 15 20 25

228.800 EX ST R/W T.I.(CONST. PERMIT) 10+620 229
6.0%

228.887 EX ST R/W T.I.(CONST. PERMIT) 10+589 229
6.0%

228.860 EX ST R/W T.I.(CONST. PERMIT) 10+580 229
6.0%

228.779 EX ST R/W T.I.(CONST. PERMIT) 10+553 229
6.0%

228.694 EX ST R/W T.I.(CONST. PERMIT) 10+524 228
6.0%

T.I.(CONST. PERMIT) EX ST R/W 10+495 229
8.0% 228.669

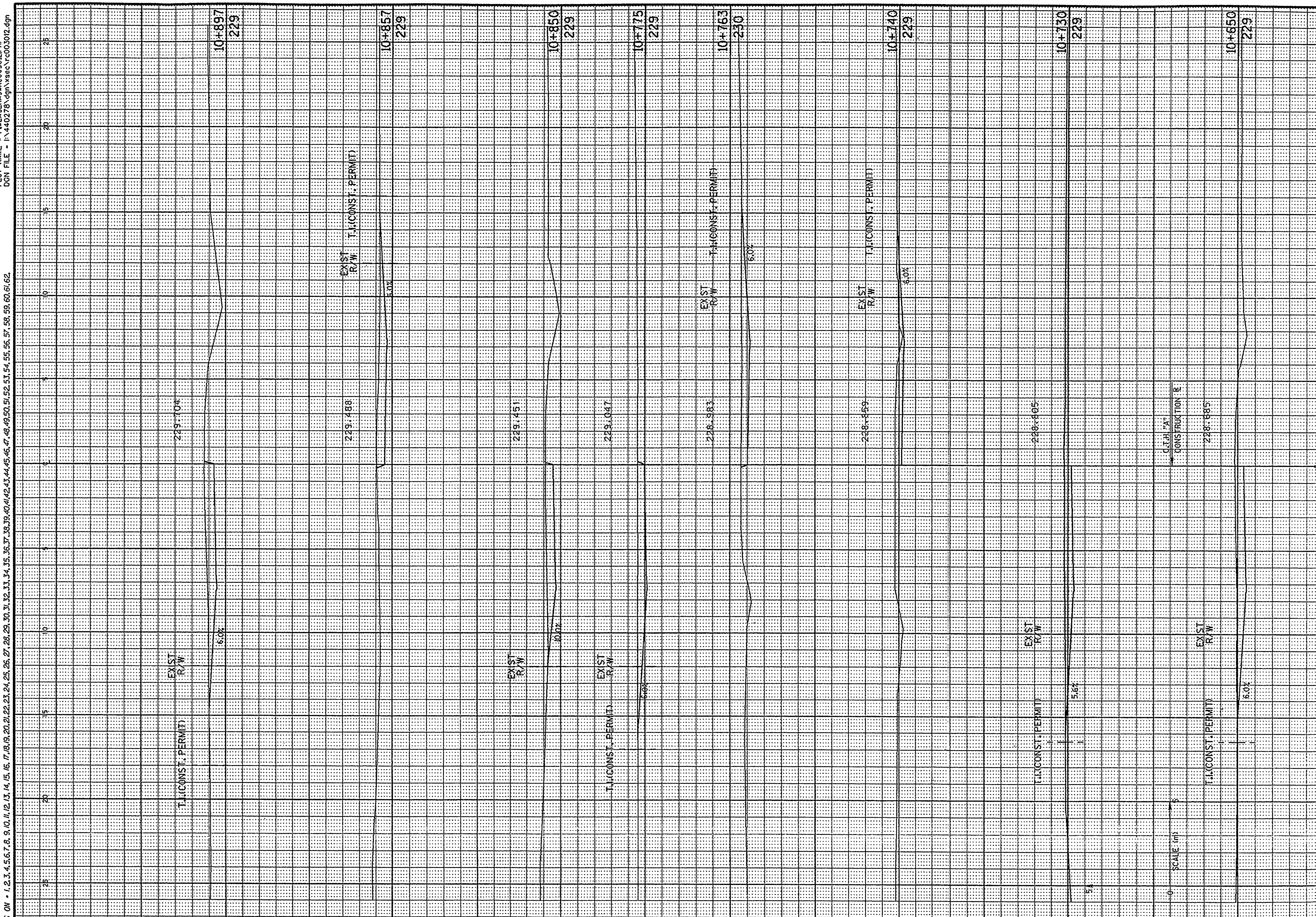
T.I.(CONST. PERMIT) EX ST R/W 10+470 229
6.0% 228.717

C.T.H. "A" CONSTRUCTION ℄

T.I.(CONST. PERMIT) EX ST R/W 10+435 229
7.0% 228.882

5 0 SCALE (m) 5

GB2
PEN TABLE = $plot72$laser$mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:$LASERA3$RC003012.PRF
DGN FILE - I:\440278\dgn\xsec\rc003012.dgn



ORIGINATOR:
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

CROSS SECTION (P.E.'S. AND F.E.'S.)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.36	M

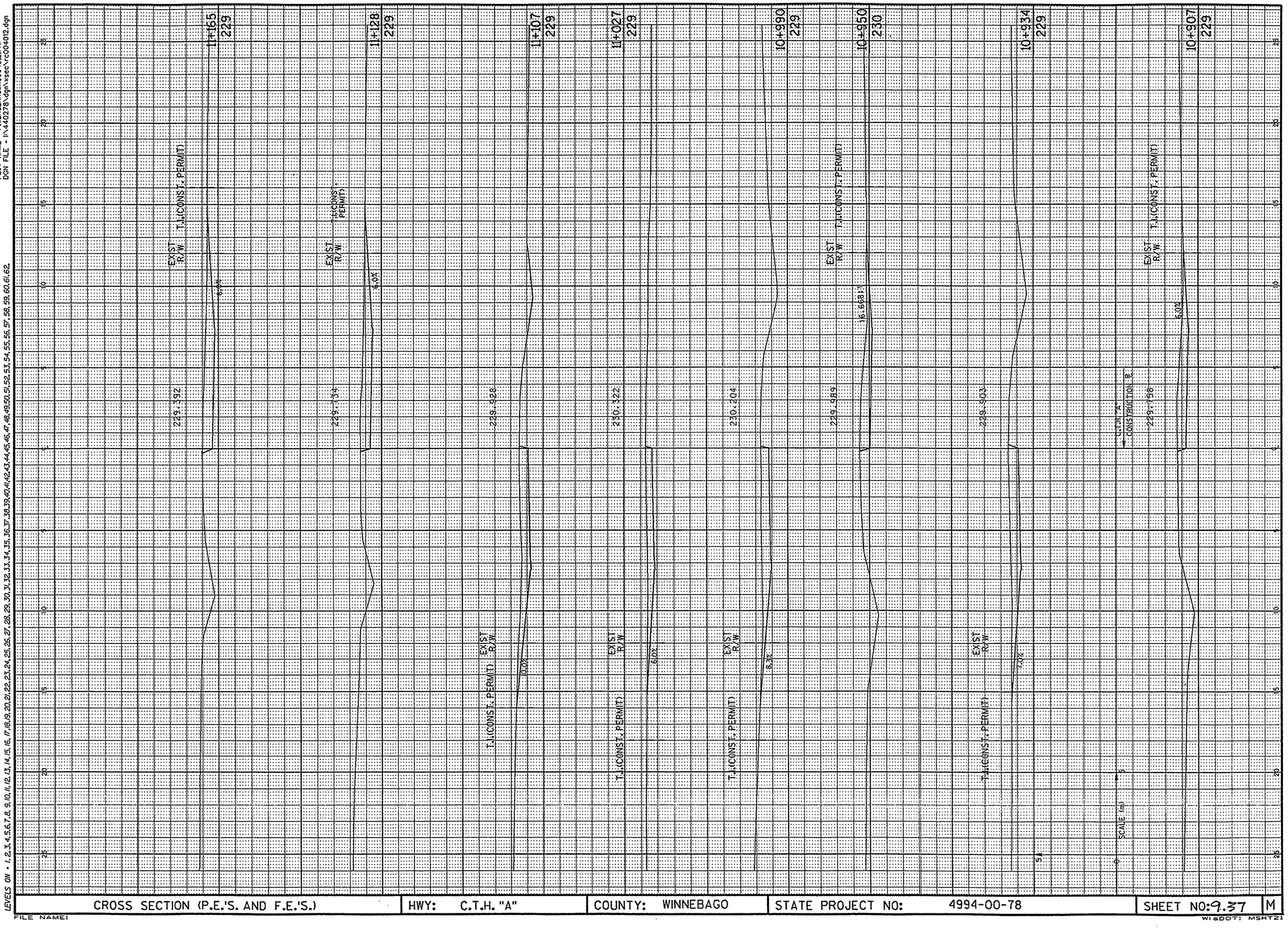
FILE NAME:

WISDOT: MSHT21

GB2
PEN TABLE = ±plot72±loser±mholfxs.tbl
DATE OF PLOT: 11/24/98
PLOT NAME = P:±LASER A3±RC004012.PRF
DGN FILE = I:\440278\dgn\±sec\rc004012.dgn

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,

ORIGINATOR:

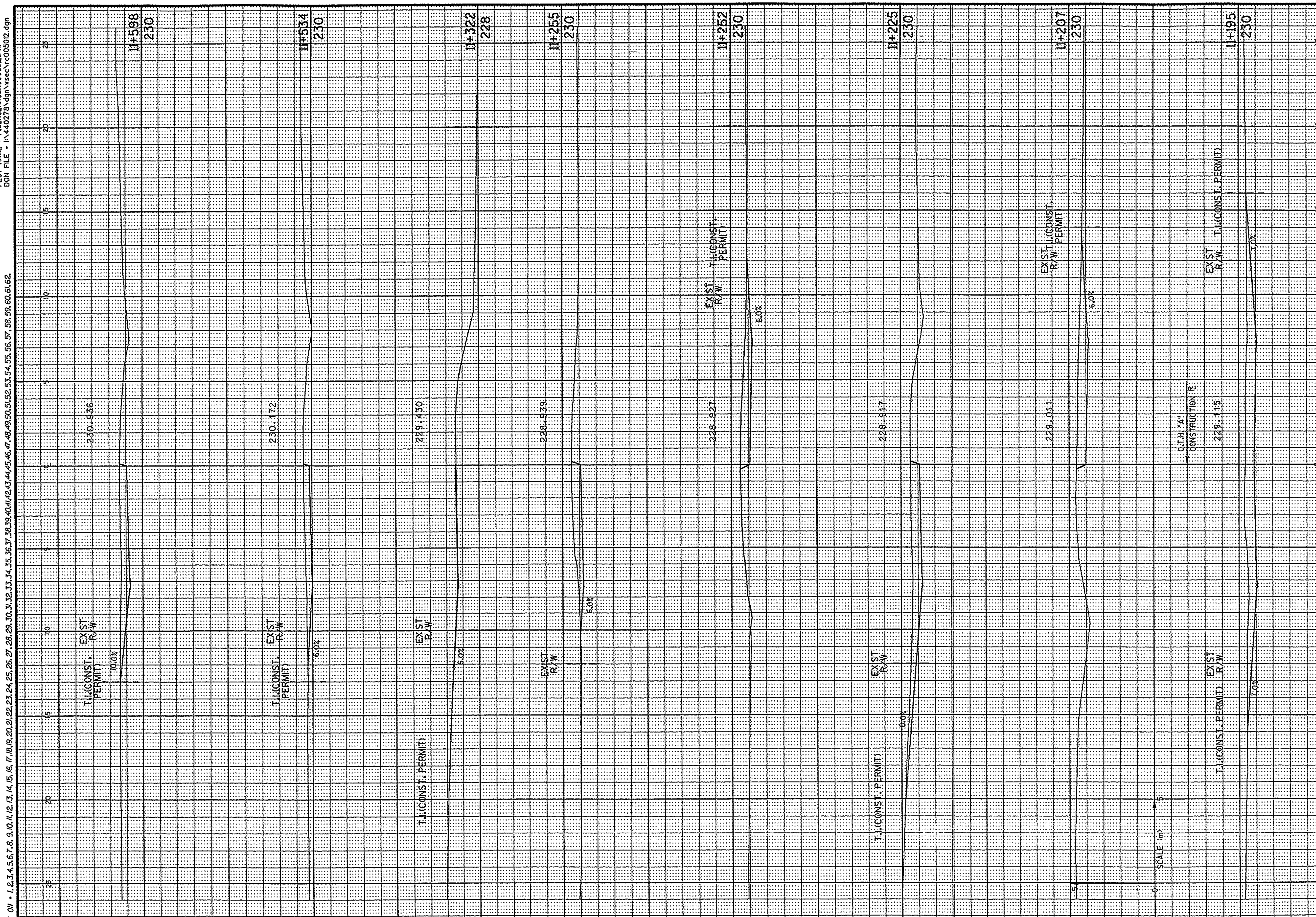


CROSS SECTION (P.E.'S. AND F.E.'S.)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78	SHEET NO: 9.37	M

FILE NAME:

WISDOT: MSHT21

C82
PEN TABLE = ±plot72±laser±mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASERA3±RC005012.PRF
DGN FILE • I:\440278\dgn\xsec\rc005012.dgn

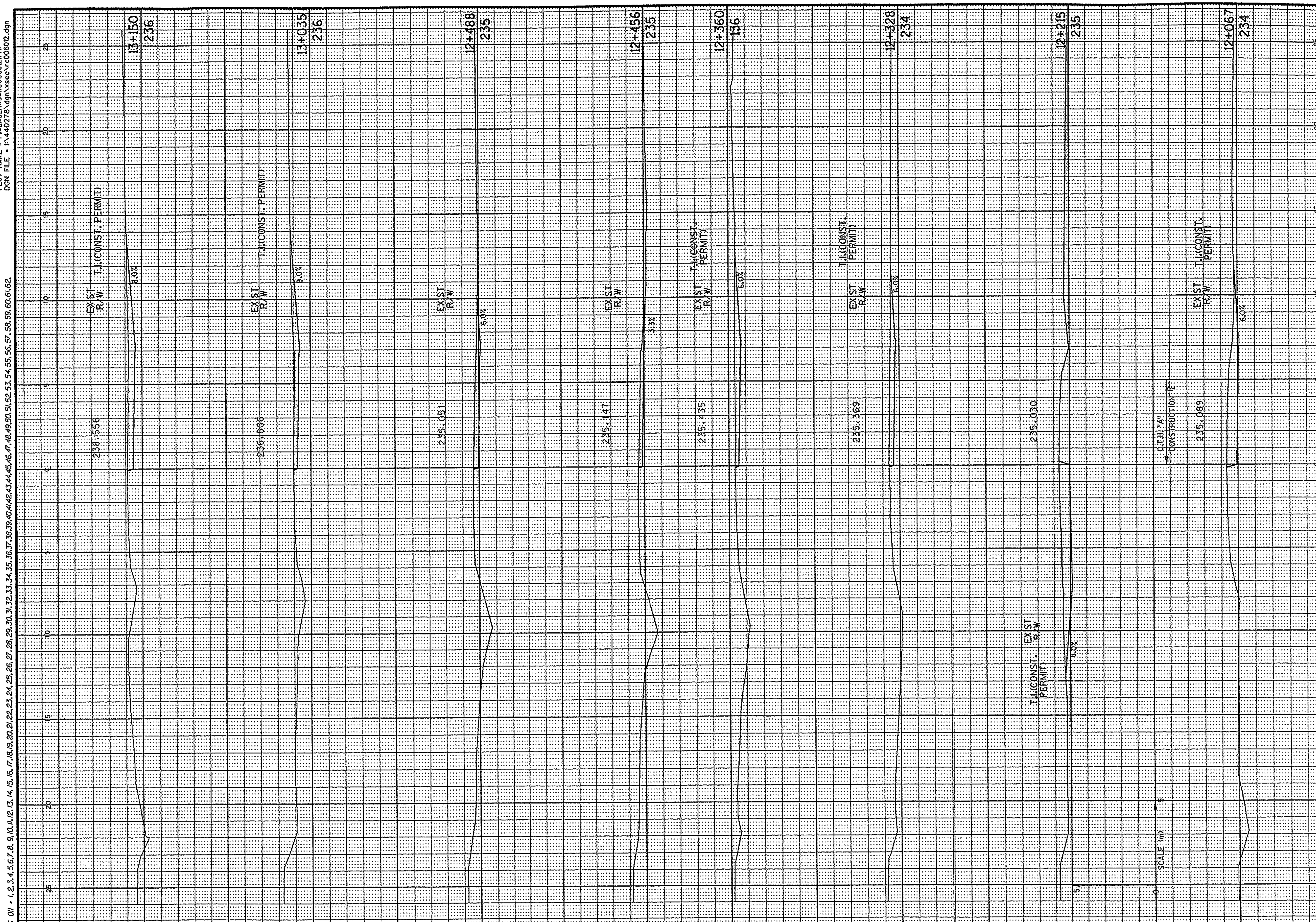


ORIGINATOR:
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62

CROSS SECTION (P.E.'S. AND F.E.'S.)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-78/82	SHEET NO: 9.38	M

FILE NAME:
WisDOT: MSHT21

GB2
PEN TABLE = $plot72$laser$mhalfxs.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:$LASERA3$RC006012.PRF
DGN FILE = I:\440278\dgn\xsec\rc006012.dgn



ORIGINATOR:
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

CROSS SECTION (P.E.'S. AND F.E.'S.)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.39	M

FILE NAME:

WisDOT: MSHT21

GB2
PEN TABLE = ±plot72±laser±mholf×s.tbl
DATE OF PLOT 11/24/98
PLOT NAME = P:±LASER43±RC007012.PRF
DGN FILE = I:\440278\dgn\xsec\rc007012.dgn

ORIGINATOR:

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

13+273
240
239.118
EXIST R/W
T.H.(CONST. PERMIT)
8.0%

13+263
240
239.118

13+200
240
238.966
EXIST R/W
T.H.(CONST. PERMIT)
8.0%

13+187
240
238.884
EXIST R/W
T.H.(CONST. PERMIT)
8.0%

C.T.H. "A"
CONSTRUCTION ℄

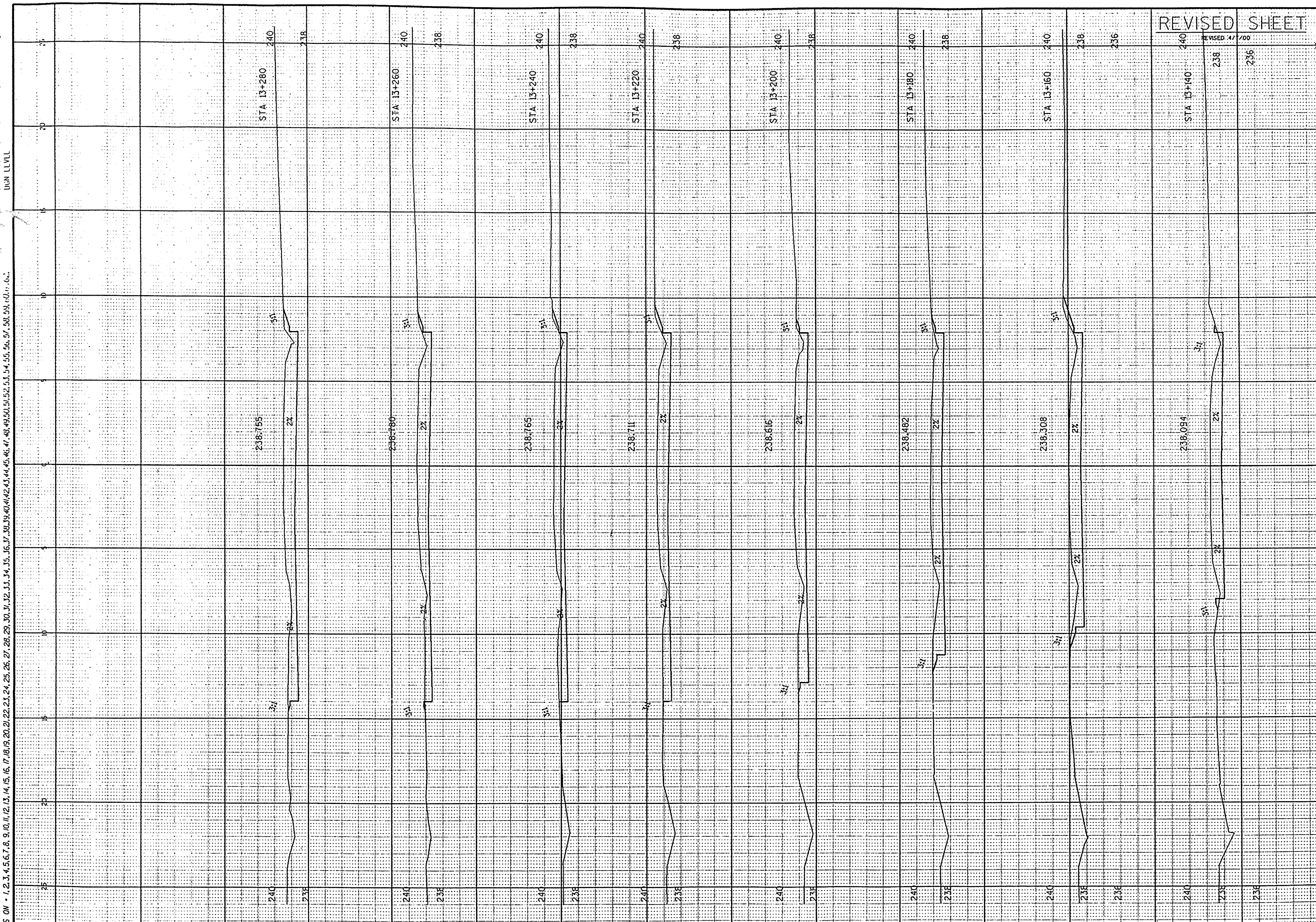
EXIST R/W
4.0%

SCALE (m)

CROSS SECTION (P.E.'S. AND F.E.'S.)	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.40	M

FILE NAME:

WISDOT: MSHT21

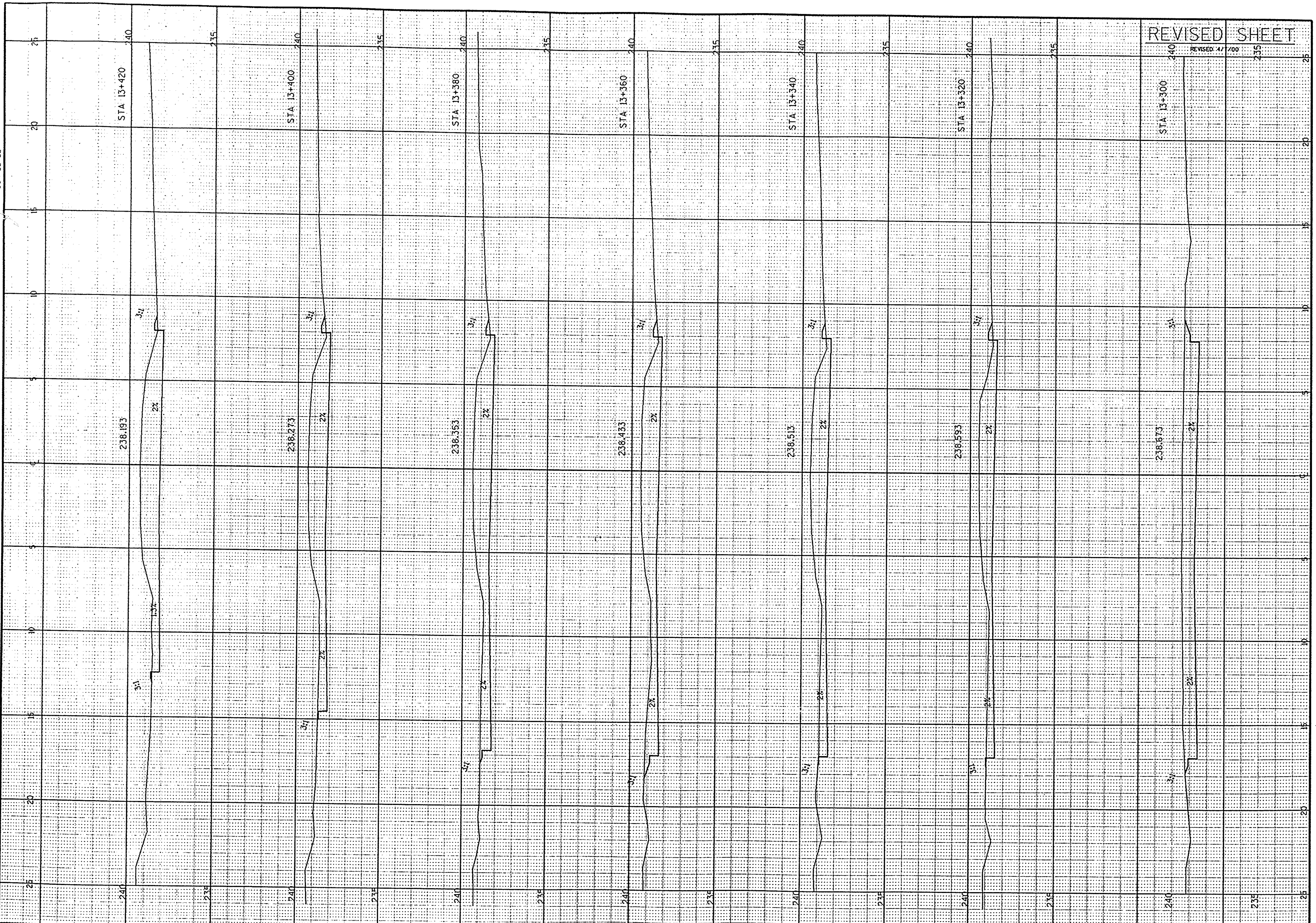


ORIGINATOR:

CROSS SECTIONS	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.40

FILE NAME:

WisDOT: MSHT21



ORIGINATOR:

CROSS SECTIONS	HWY: C.T.H. "A"	COUNTY: WINNEBAGO	STATE PROJECT NO: 4994-00-82	SHEET NO: 9.41

FILE NAME:

WisDOT: MSHT21

END PROJECT 4994-00-82
STA. 13+580

MATCH EXISTING
STA. 13+580

STA 13+560

STA 13+540

STA 13+520

STA 13+500

STA 13+480

STA 13+460

STA 13+440

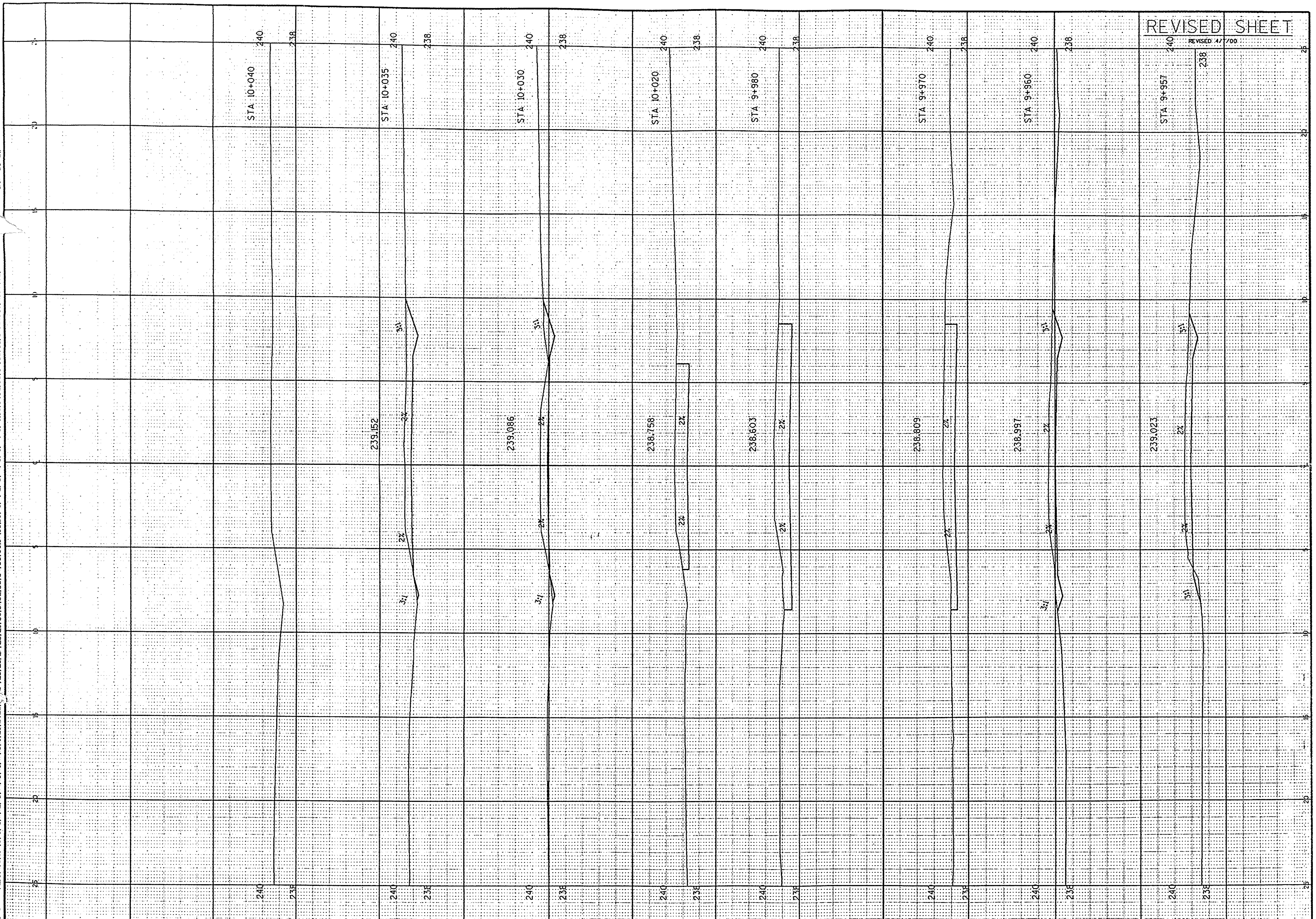
NEW SHEET
REVISED 4/7/00

EXCAVATION ENDED AT STA. 13+460. STA. 13+461 - STA. 13+580
WAS MILLED AND OVERLAID WITH A TEMPORARY ASPHALT MAT.

CROSS SECTIONS | HWY: C.T.H. "A" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 9.42

ORIGINATOR:
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,
FILE NAME:
PEN TABLE:
DATE OF PLOT: 4/7/00
RUN TIME - DATE:
DGN LEVEL

WisDOT: MSHT21



ORIGINATOR:
LEVELS ON - 1,2,3,4,5,6,7,8,9,10,...
FILE NAME:

CROSS SECTIONS | HWY: C.T.H. "Y" | COUNTY: WINNEBAGO | STATE PROJECT NO: 4994-00-82 | SHEET NO: 9.43 | M

WisDOT: MSHT21