2

GENERAL NOTES

THE REMOVAL OF CONCRETE DRIVEWAYS SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE ITEM OF REMOVING CONCRETE SIDEWALK.

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

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALTIC CONCRETE, SUCH AS DRIVEWAYS, SIDEWALKS, PEDESTRAIN RAMPS, SIDE STREETS OR INLETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE PROJECT ENGINEER, OR AS SHOWN ON THE PLANS.

FILL EXPANSION IS ESTIMATED AT 1.30. YARDAGE IS BALANCED BY EXPANDING THE FILL SECTION. EARTHWORK WASTE MATERIAL SHOWN ON THE EARTHWORK SUMMARY SHALL BE HAULED FROM THE PROJECT, EXCEPT AS DIRECTED BY THE ENGINEER.

ALL EXCESS SALVAGE TOPSOIL SHALL BE REMOVED FROM THE PROJECTS AND NOT USED AS FILL. EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE, BUT IS MEASURED AND PAID FOR AS EXCAVATION COMMON. THE EXACT LOCATIONS FOR EBS WILL BE DETERMINED BY THE PROJECT ENGINEER.

ALL GRANULAR MATERIAL PLACED UNDER THE CONCRETE SIDEWALKS AND DRIVEWAYS SHALL BE INCIDENTAL TO THE BID ITEM OF CONCRETE SIDEWALKS OR DRIVEWAYS.

THE EXISTING ASPHALTIC PAVEMENT IS TO BE SALVAGED AND USED IN SALVAGED ASPHALTIC PAVEMENT BASE. THE QUANTITY OF SUCH MATERIALS HAS NOT BEEN DEDUCTED FROM THE EXCAVATION COMMON IN THE YARDAGE SUMMARY.

WHEN THE QUANTITY OF THE ITEM OF BASE AGGREGATE DENSE IS MEASURED BY PAYMENT OF THE TON. THE DEPTH OR THICKNESS OF THE COURSE IS APPROXIMATE AND THE ACTUAL THICHNESS WILL DEPEND ON DISTRIBUTION OF MATERIAL AS DIRECTED BY THE ENGINEER.

EXISTING SHOULDER AGGREGATE SHALL BE INCORPORATED INTO THE NEW SHOULDERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN THE FIELD. TO BE PAID FOR AS SALVAGED ASPHALTIC PAVEMENT BASE.

SAWCUTS AS SHOWN ON PLANS ARE AT SUGGESTED LOCATIONS AND MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER TO BETTER SUIT FIELD CONDITIONS.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE ENTRANCES AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

EXISTING PRIVATE AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER.

ALL DRIVEWAYS BETWEEN THE CURB AND SIDEWALK SHALL BE PAVED WITH CONCRETE DRIVEWAY, 6-INCH.

APHALTIC COMMERCIAL AND PRIVATE ENTRANCES SHALL BE SAWCUT AS REQUIRED TO PROVIDE A CLEAN BUTT JOINT TO NEW WORK.

THE CONTRACTOR SHALL PLACE ALL TRAFFIC CONTROL SIGNS IN ADVANCE OF THE PROJECT TERMINI AND ON ALL INTERSECTING ROAD APPROACHES BEFORE BEGINNING ANY WORK ON THE HIGHWAY. THESE SIGNS SHALL REMAIN IN PLACE UNTILL ALL WORK IS COMPLETED AND PERMANENT MARKING IS IN PLACE.

ALL SIDE ROAD INTERSECTIONS SHALL RECEIVE PAVEMENT MARKINGS AS PER STANDARD DETAIL DRAWINGS UNLESS OTHERWISE DETAILED.

ALL CONCRETE PIPE SHALL HAVE JOINT TIES INSTALLED ON THE LAST THREE PIPE JOINTS AND THE ENDWALL JOINT AT BOTH THE INLET AND DISCHARGE ENDS.

GRATE ELEVATION SHOWN ON PLANS IS TO THE FLAG LINE.

INLET DISCHARGED ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE CONFIRMED BY THE ENGINEER IN THE FIELD.

STORM SEWER PIPE LENGTHS ARE CALCULATED TO THE CENTER OF DRAINAGE STRUCTURES.

CONSTRUCT ALL STORM STRUCTURES WITH BENCHING AS SHOWN IN THE STANDARD DETAILS

EXPANSION JOINTS TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER.

CURB AND GUTTER JOINT SPACING SHALL BE 10 FEET UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER IN THE FIELD.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLAG OF THE CURB.

THE CLEAR ZONE FROM BEHIND CURB AND GUTTER IS 2 FEET FROM THE FACE OF THE CURB.

AFTER PLACING CURB & GUTTER, ANY EXCESS CONCRETE PROTRUDING BEYOND THE BACK OF CURB LINE SHALL BE REMOVED BY THE CONTRACTOR BEFORE BACKFILLING.

ALL PLAN VIEW CURB RADII AND TRANSITION POINTS ARE SHOWN TO THE FLAG OF THE CURB.

ALL RADII ARE MEASURED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED.

THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS SUPERELEVATION WHEN SUPERELEVATION IS GREATER THAN 0.04 FT./FT. IF SUPERELEVATION IS LESS THAN OR EQUAL TO 0.04 FT./FT., THEN LOW SIDE SHOULDER SLOPE IS 0.04 FT./FT. HIGH SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS SUPERELEVATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER.

THE EROSION CONTROL FEATURES ARE SHOWN ON THE PLAN AND PROFILE SHEETS AND ARE AT SUGGESTED LOCATIONS. EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

PRIOR TO THE INSTALLATION OF TRAFFIC CONTROL DEVICES THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND THE STATE HIGHWAY PATROL WITH THE NAME AND TELEPHONE NUMBER OF A LOCAL PERSON RESPONSIBLE FOR THE EMERGENCY MAINTENANCE OF TRAFFIC CONTROL.

THE LOCATION OF STOP LINES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OPERATIONS REQUIRE THEIR REMOVAL OR UNLESS THE ENGINEER APPROVES THEIR REMOVAL.

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

THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH THE EXISTING UTILITY FACILITIES.

HMA WEIGHTS CALCULATIONS ARE BASED ON 110 LBS/SY/IN.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

CULVERT LENGTHS ARE DESIGNED TO THE NEAREST 2 FOOT INCREMENT. ANY CONSTRUCTION METHOD NECESSARY TO ACHIEVE A 2 FOOT INCREMENT, SUCH AS CONCRETE COLLARS, SHALL BE INCIDENTAL TO THE COST OF THE CULVERT PIPE.

REMOVAL OF EXISTING RETAINING WALL AT STA.8+80'BEN' TO STA.9+90'BEN' IS INCLUDED AS PART OF THE EXCAVATION QUANTITY FOR THE NEW MODULAR BLOCK GRAVITY RETAINING WALL BEING INSTALLED FROM STA.8+70'BEN TO STA.9+70'BEN'. NO EXTRA PAYMENT WILL BE MADE FOR ITS REMOVAL.

THERE ARE VERTICLE CURVES IN THE PROFILE WHICH ARE ASYMETRIC. EACH CURVE IS NOT INDIVIDUALLY LABELED AS ASYMETRIC.

DIGGERS HOTLINE

Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

DNR CONTACT

RON GRASSHOFF
DEPARTMENT OF NATURAL RESOURCES
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3481

2

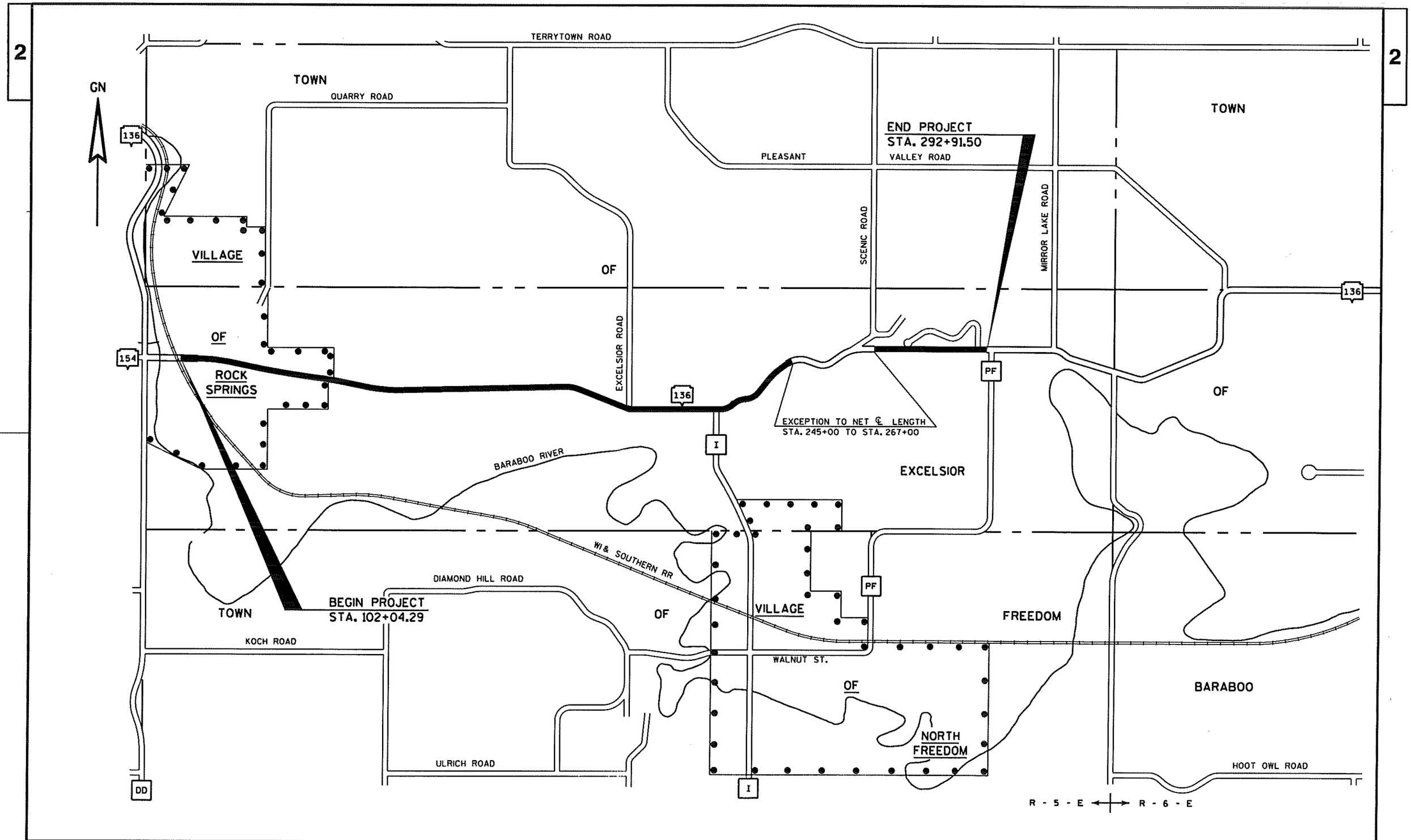
UTILITIES

UTILITY/MUNICIPALITY	CONTACT/ADDRESS	UTILITY TYPE
* CENTURYTEL OF WISCONSIN	BOB DEWITT 333 NORTH FRONT STREET LA CROSSE, WI 54602 608-796-5077 (OFFICE) bob.dewitt@centurytel.com	COMMUNICATION
* CENTURYTEL/TELEVIEW OF WI, INC	TIM KROEZE 201 STARK ST PO BOX 98 RANDOLPH, WI 53956 920-326-2224 (OFFICE) tim.kroeze@centurytel.com	COMMUNICATION
* CHARTER COMMUNICATIONS	GARY ANDERSON 2701 DANIELS STREET MADISON, WI 53718 608-274-3822 (OFFICE) 608-209-6253 (MOBILE) ganderson@charter.com.com	COMMUNICATION
* VERIZON BUSINESS FORMERLY MCI WORLDCOM	TONY NEWMAN 2410 PACKER AVE MADISON, WI 53704 608-242-0156 (OFFICE) 608-436-3517 (MOBILE) tony.newman@verizonbusiness.com	COMMUNICATION
* AT&T WISCONSIN FORMERLY SBC	TOM KIEFER 316 W WASHINGTON AVE - RM 607 MADISON, WI 53703 608-282-7894 (OFFICE) 608-559-7843 (PAGER) tk6192@att.com	COMMUNICATION
* SPRINT COMMUNICATIONS CO LP	JAMES BURTON 5600 N RIVER ROAD - SUITE 500 ROSEMONT, IL 60018 800-788-0751 (OFFICE) 708-917-4903 (MOBILE) james.m.burton@mail.sprint.com	COMMUNICATION
* ALLIANT ENERGY CORPORATION	GARY QUADE 1000 MAIN STREET PO BOX 769 DUBUQUE, IA 52004-0769 563-584-7395 (OFFICE) 563-599-0433 (MOBILE) GaryQuade@alliantenergy.com	ELECTRIC & GAS
AMERICAN TRANSMISSION CO	ANDY EBERHARDT N19 W23993 RIDGEVIEW PKWY WEST PO BOX 47 WAUKESHA, WI 53187-0047 262-506-6864 (OFFICE) 262-424-9354 (MOBILE) aeberhardt@atcllc.com	TRANSMISSION
* NORTHERN NATURAL GAS CO	JIM CARLSON 7055 VISTA DRIVE - BRISTOL BLDG WEST DES MOINES, IA 50266 515-226-2016 (OFFICE) 515-360-9242 (MOBILE) jim.carlson@nngco.com BOB BESECKER 5557 CTH D PLATTEVILLE, WI 53818 402-530-2801 (OFFICE) 608-778-8565 (MOBILE) bob.besecker@nngco.com	GAS
VILLAGE OF ROCK SPRINGS	SHEA HOWARD COMMUNITY CENTER 201 W BROADWAY PO BOX 26 ROCK SPRINGS, WI 53961-0026 608-522-5700 (OFFICE) publicworks@merr.com	WATER & SEWER

* Denotes Diggers Hotline Member

ABBREVIATIONS

B	BARN
BLD	BUILDING
C.J.	CONSTRUCTION JOINT
CONC.	CONCRETE
COR.	CORNER
C.S.C.P.	CORRUGATED STEEL CULVERT PIPE
C.S.P.A.	CORRUGATED STEEL PIPE ARCH
D.H.V.	DESIGN HOURLY VOLUME
V.	DESIGN SPEED
DIA.	DIAMETER
DIM.	DIMENSION
e.	EXTERNAL DISTANCE
E.	EAST
E.C.I.P.	EROSION CONTROL IMPLEMENTATION PLAN
EL. OR ELEV.	ELEVATION
E.J.	EXPANSION JOINT
E.S.A.L.	EQUIVALENT SINGLE AXLE LOAD
E.O.P.	EDGE OF PAVEMENT
F.L.	FLOW LINE
G.	GARAGE
H	HOUSE
H.E.	HIGHWAY EASEMENT
I.E.	INVERT ELEVATION
I.P.	IRON PIN
D.	LANE DISTRIBUTION
L.	LENGTH (OF CURVE)
L.H.F.	LEFT HAND FORWARD
L.C.	LONG CHORD
L.P.	LOW POINT
M.D.	MEDIAN DRAIN
NOR.	NORMAL
N.	NORTH
OH	OVER HEAD ELECTRIC
T.	PERCENT OF TRUCKS
P.L.E.	PERMANENT LIMITED EASEMENT
P.L.	PROPERTY LINE
R.C.A.P.	REINFORCED CONCRETE ARCH PIPE
R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
R.H.F.	RIGHT HAND FORWARD
RD.	ROAD
R.O.	RUNOFF
S.	SHED
SHR.	SHRINKAGE
S.G.	SUBGRADE
S.E.	SUPERELEVATION
SL.R.C.	SLOPED REINFORCED CONCRETE
S.P.B.G.	STEEL PLATE BEAM GUARD
SS.	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
TEL.	TELEPHONE
T.I.	TEMPORARY INTEREST
TN.	TOWN
TOS	TOP OF STRUCTURE
TRANS.	TRANSITION
VOL.	VOLUME
W.	WEST



PROJECT NO:5573-04-72	HWY: S.T.H. 136	COUNTY: SAUK	PROJECT OVERVIEW SHEET	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\020201_po.DGN PLOT DATE : 12-JUL-2007 07:00 PLOT BY : gotbcg PLOT NAME : PLOT SCALE : 200.000000:1.000000

WISDOT/CADDS SHEET 42

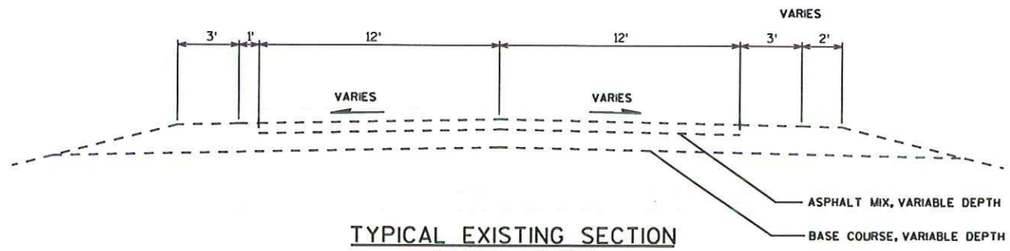
ROCK SURFACE ESTIMATE

I.D. 5573-04-01
ROCK SPRINGS - BARABOO ROAD
(ROCK SPRINGS - CTH 'PF')
STH 136
SAUK COUNTY

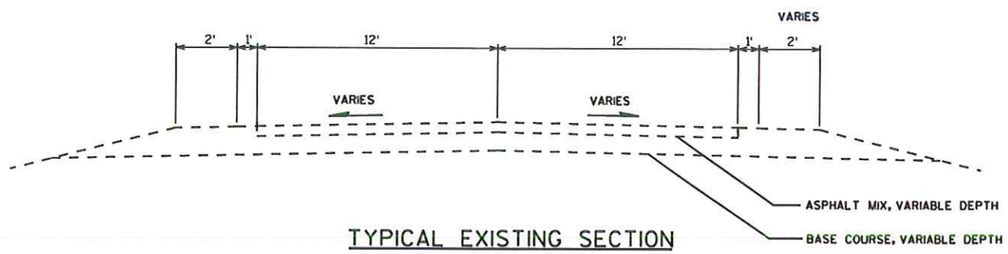
STATION	OFFSET	ELEVATION	OFFSET	ELEVATION	OFFSET	ELEVATION
120+00	-25	921.7	25	920.5		
121+00	-30	928.0	2	928.0	30	927.8
122+00	-30	926.5	30	926.0		
123+00	-30	920.0	40	919.0		
138+00	-40	908.5	40	909.0		
139+00	-40	916.0	60	918.0		
140+00	-40	925.5	60	924.5		
141+00	-30	925.5	60	923.5		
151+00	-50	937.0	30	943.0		
152+00	-50	937.0	-14	937.0	9	945.5
152+00	45	945.5				
153+00	-50	940.5	40	942.0		
159+00	-40	925.0	-16	925.5	17	923.0
159+00	50	923.0				
160+00	-60	921.0	-21	921.0	17	921.5
160+00	36	923.5	70	923.5		
161+00	-60	921.0	-21	921.0	17	921.0
161+00	36	923.5	70	923.5		
162+00	-50	913.0	-20	913.0	17	914.0
162+00	43	922.5	70	922.5		
163+00	-40	900.0	60	902.0		

PAVEMENT BORINGS

APPROXIMATE STATION	THICKNESS INCHES
105+00	3.5
111+00	5.5
118+00	2
121+00	3
130+00	3
141+00	2.5
147+00	7
160+00	5
172+00	5
192+00	9
210+00	7.5
222+00	8.5
237+00	10
285+00	6
287+00	10



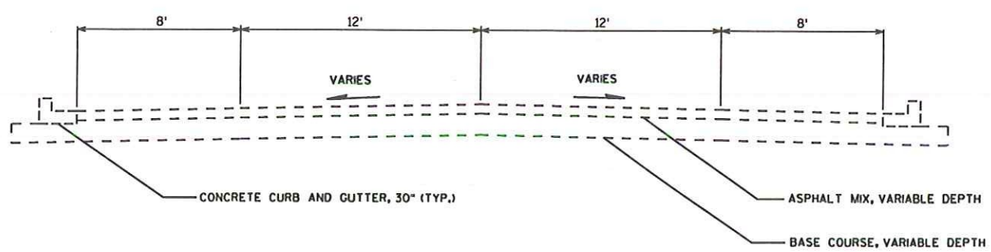
TYPICAL EXISTING SECTION
STA 102+04 - STA 110+37



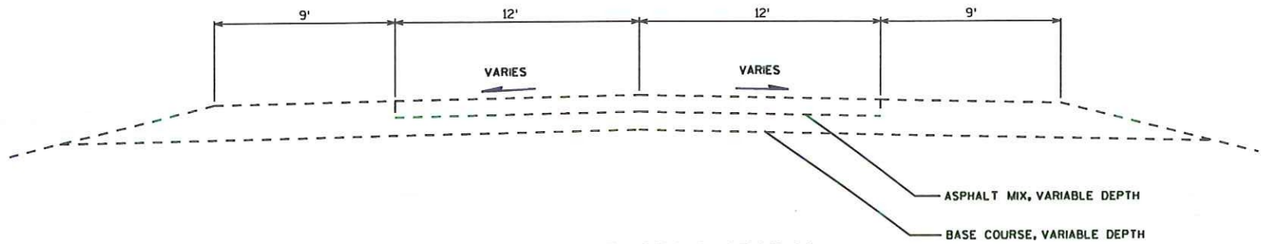
TYPICAL EXISTING SECTION
STA 110+37 - STA 119+75

PAVEMENT BORINGS

APPROXIMATE STATION	THICKNESS INCHES
105+00	3.5
111+00	5.5
118+00	2
121+00	3
130+00	3
141+00	2.5
147+00	7
160+00	5
172+00	5
192+00	9
210+00	7.5
222+00	8.5
237+00	10
285+00	6
287+00	10

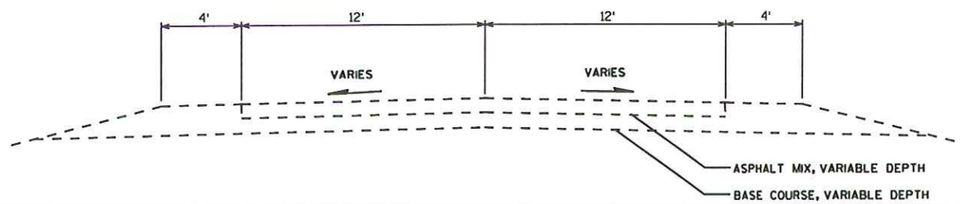


TYPICAL EXISTING SECTION
STA 119+75 - STA 122+00



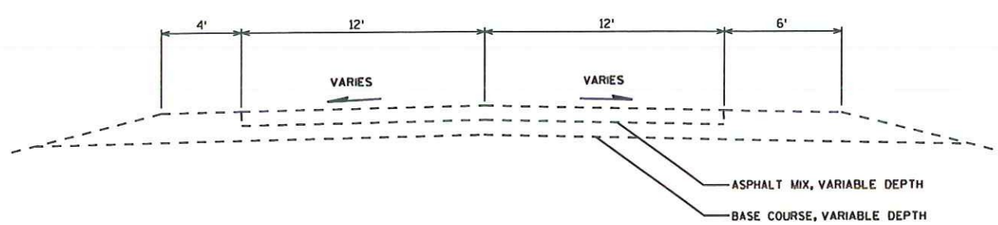
TYPICAL EXISTING SECTION

STA. 122+00 - STA. 141+00



TYPICAL EXISTING SECTION

STA. 141+00 - STA. 245+00

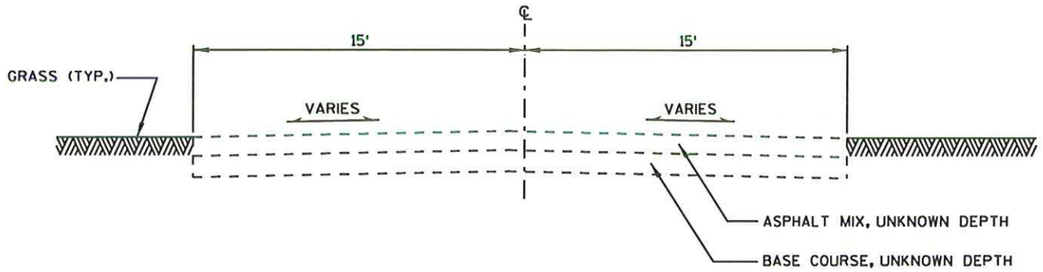


TYPICAL EXISTING SECTION

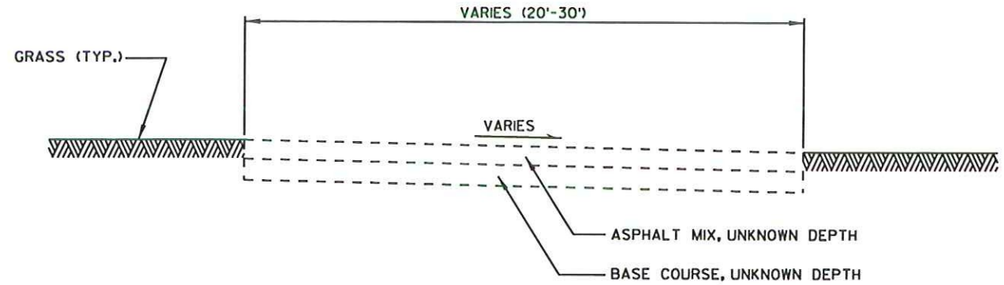
STA. 267+00 - STA. 292+91.50

PAVEMENT BORINGS

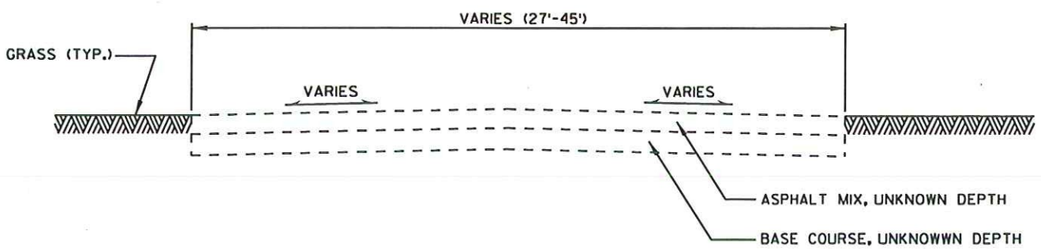
APPROXIMATE STATION	THICKNESS INCHES
105+00	3.5
111+00	5.5
118+00	2
121+00	3
130+00	3
141+00	2.5
147+00	7
160+00	5
172+00	5
192+00	9
210+00	7.5
222+00	8.5
237+00	10
285+00	6
287+00	10



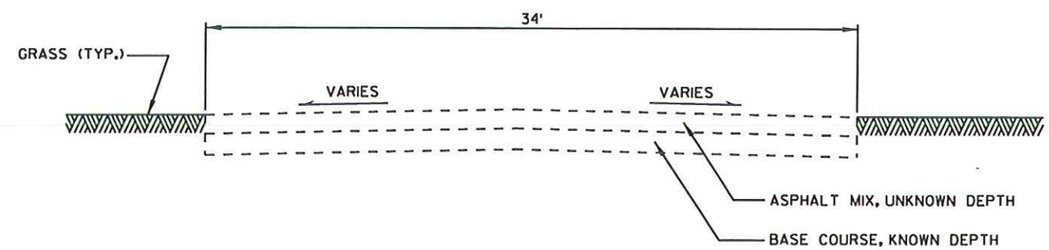
EXISTING TYPICAL SECTION
MADISON ST.



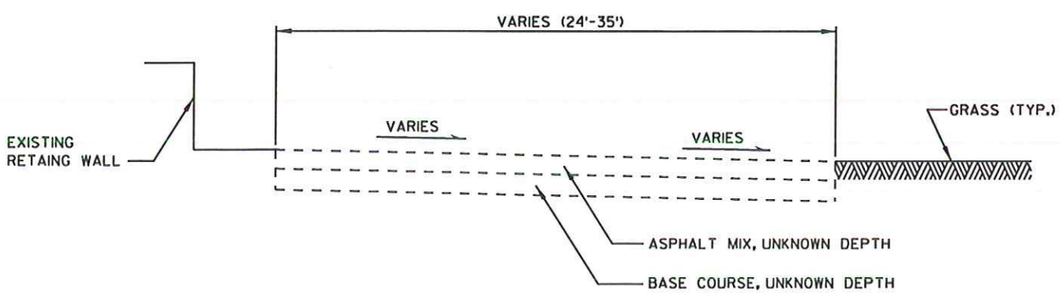
EXISTING TYPICAL SECTION
HOLTZ RD.



EXISTING TYPICAL SECTION
MONTGOMERY ST.

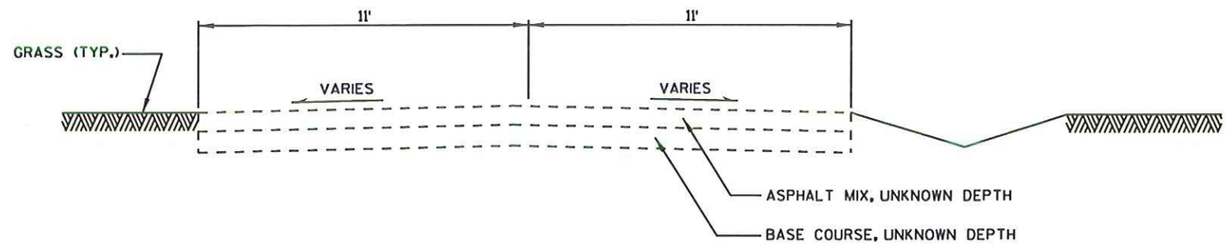


EXISTING TYPICAL SECTION
QUARRY RD.

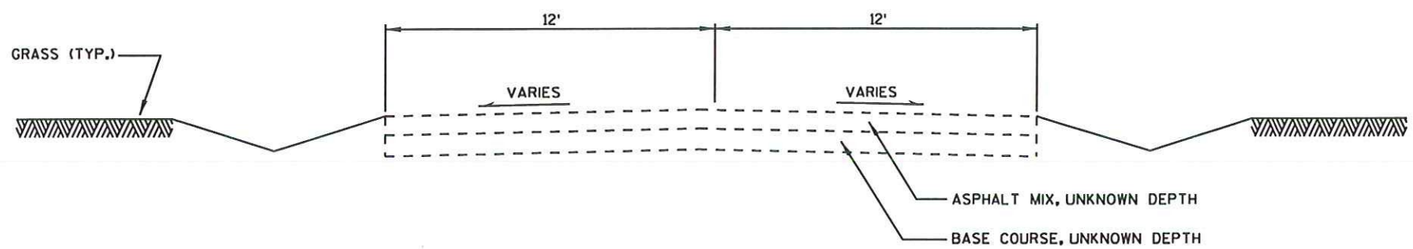


EXISTING TYPICAL SECTION
BENDER ST.

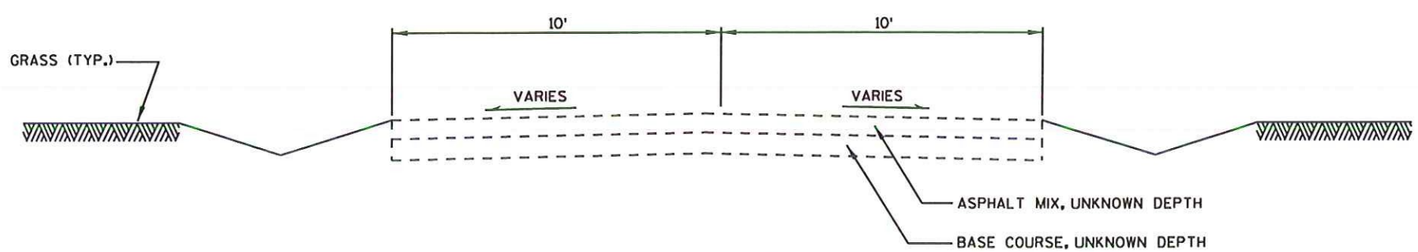
PROJECT NO:5573-04-72	HWY: S.T.H. 136	COUNTY: SAUK	EXISTING TYPICAL SECTIONS SIDE ROADS	SHEET 8	E



EXISTING TYPICAL SECTION
EXCELSIOR DR.

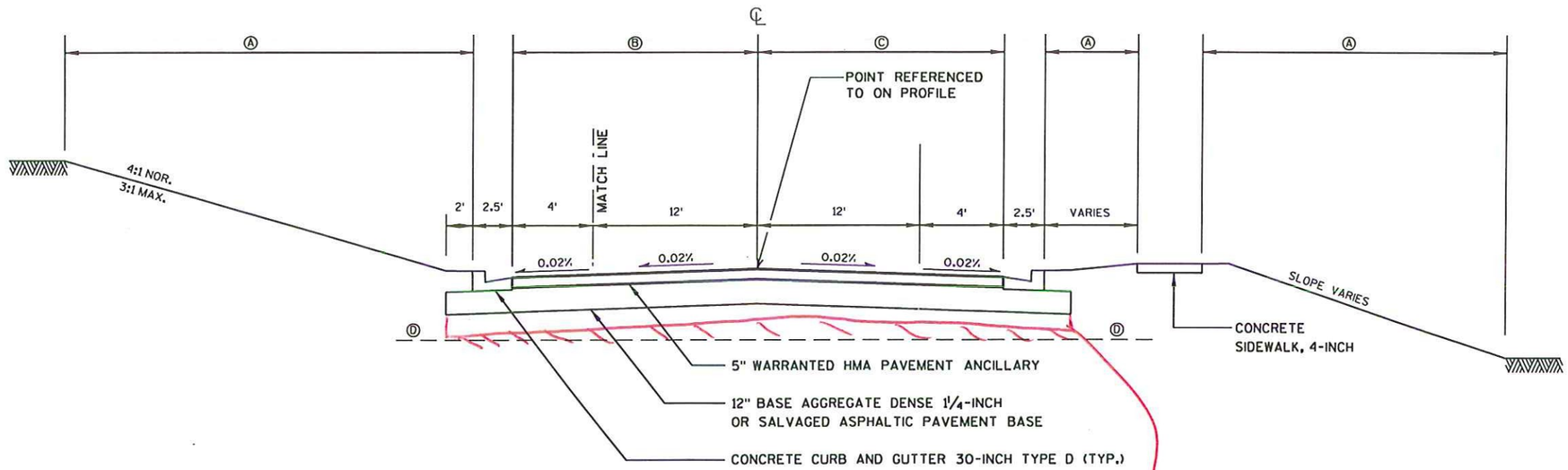


EXISTING TYPICAL SECTION
CTH I



EXISTING TYPICAL SECTION
BELTER DR.

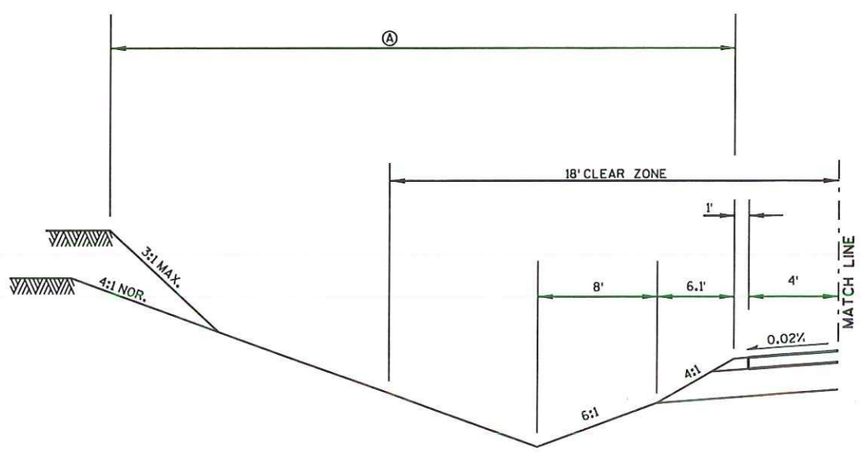
PROJECT NO:5573-04-72	HWY: S.T.H. 136	COUNTY: SAUK	EXISTING TYPICAL SECTIONS SIDE ROADS	SHEET 9	E



TYPICAL FINISHED SECTION

STA. 102+04.29 - STA. 122+00

1' of select crushed material plus a layer of geogrid below it from STA 113+00 - 116+50



STA. 102+04.29 - STA. 104+29.88 LT

Ⓐ LAWN SOD; FERTILIZER, TYPE B; AND SALVAGED TOPSOIL

Ⓑ PAVEMENT WIDTH IS 20' FROM APPROXIMATELY STA. 119+25 TO STA. 122+00.

Ⓒ PAVEMENT WIDTH IS 18' FROM APPROXIMATELY STA. 119+25 TO STA. 122+00.

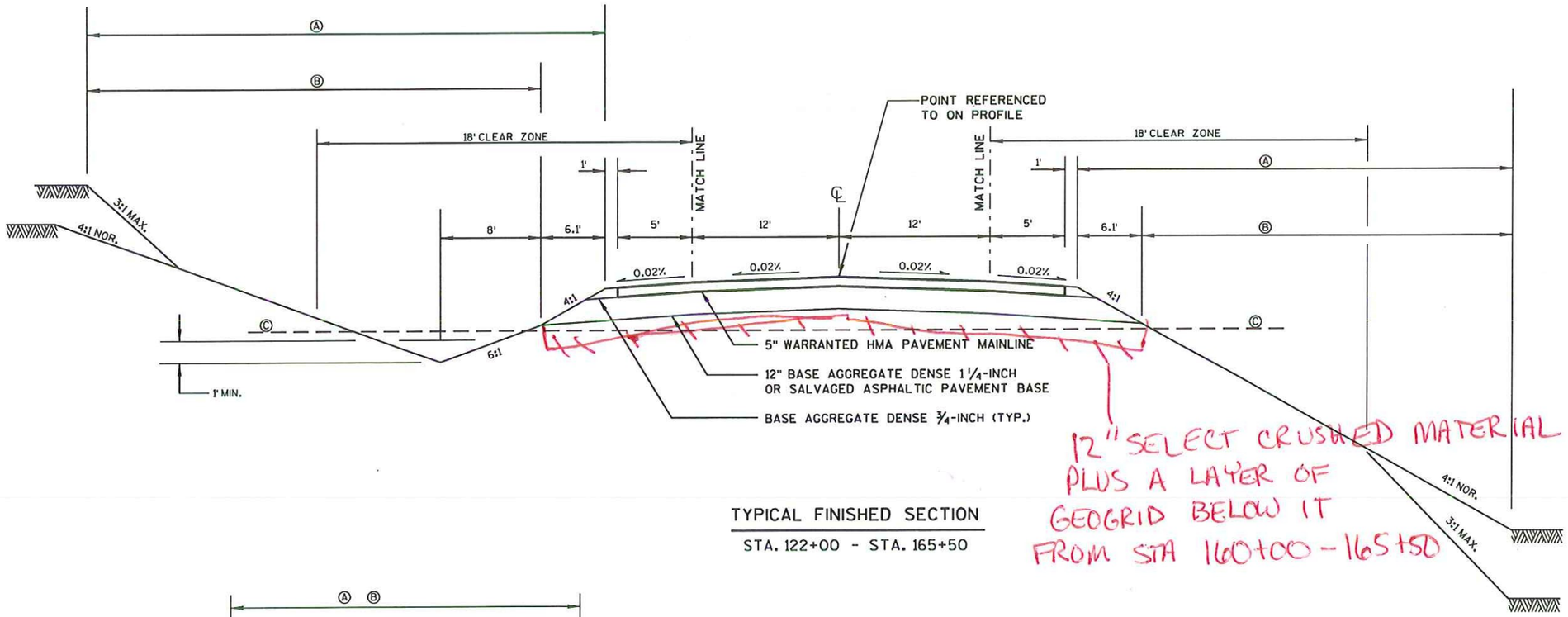
Ⓓ ROCK EXCAVATION FROM APPROXIMATELY STA. 118+00 TO STA. 123+00. SEE CROSS SECTION SHEETS FOR MORE DETAIL.

2

NOTE:

SALVAGED TOPSOIL SHALL BE PLACED TO A 12-INCH MINIMUM DEPTH ON ALL ROCK CUT DITCH SLOPES FLATTER THAN 2:1. PAID FOR AS "SALVAGED TOPSOIL, SPECIAL". 12-INCH ROCK UNDERCUT PAID FOR AS "ROCK EXCAVATION."

2



TYPICAL FINISHED SECTION

STA. 122+00 - STA. 165+50

STA. 122+00 - STA. 125+50 LT
STA. 139+00 - STA. 142+00 LT

STA. 150+15 - STA. 153+00 RT

Ⓐ SEEDING, MIXTURE NO. 30; SEEDING, TEMPORARY; AND FERTILIZER, TYPE B

Ⓑ SALVAGED TOPSOIL AND MULCHING

Ⓒ ROCK EXCAVATION FROM APPROXIMATELY
STA. 138+00 - STA. 141+00
STA. 151+00 - STA. 153+00
STA. 159+00 - STA. 163+00

SEE CROSS SECTION SHEETS FOR MORE DETAIL

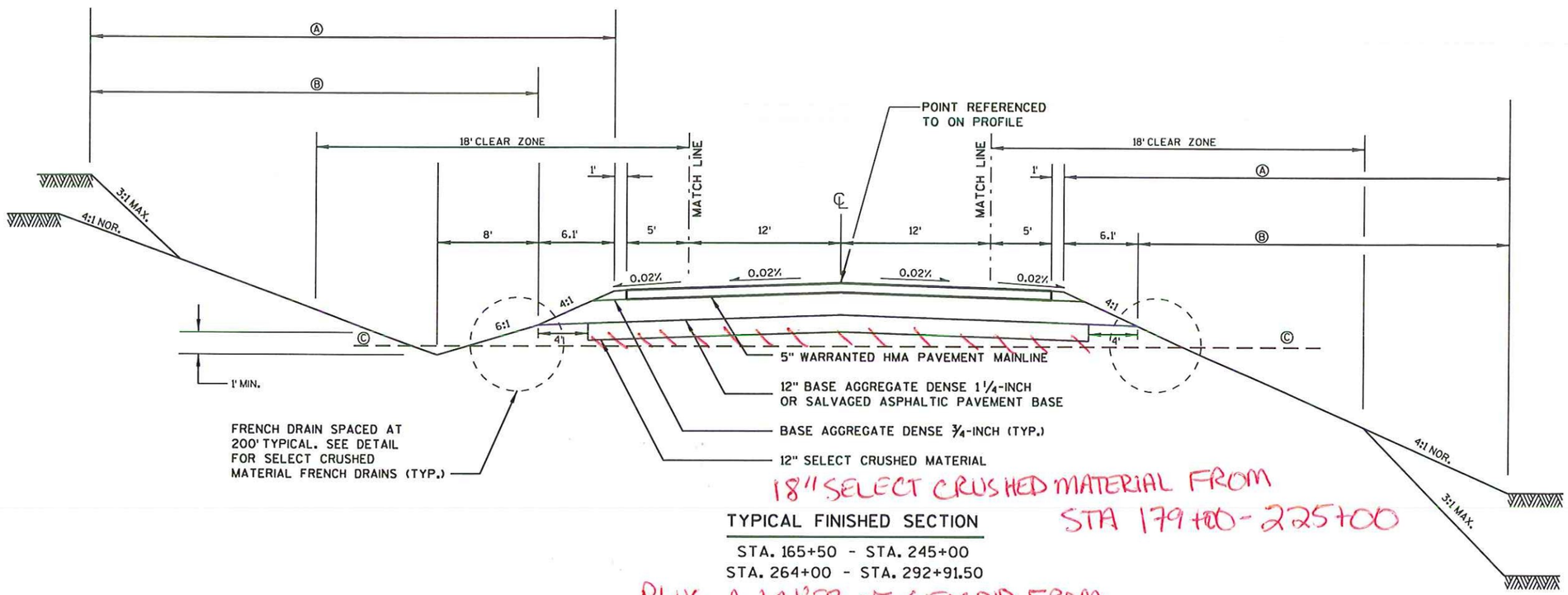
PROJECT NO:5573-04-72	HWY: S.T.H. 136	COUNTY: SAUK	TYPICAL SECTIONS STH 136	SHEET	E

2

NOTE:

SALVAGED TOPSOIL SHALL BE PLACED TO A 12-INCH MINIMUM DEPTH ON ALL ROCK CUT DITCH SLOPES FLATTER THAN 2:1. PAID FOR AS "SALVAGED TOPSOIL, SPECIAL". 12-INCH ROCK UNDERCUT PAID FOR AS "ROCK EXCAVATION."

2

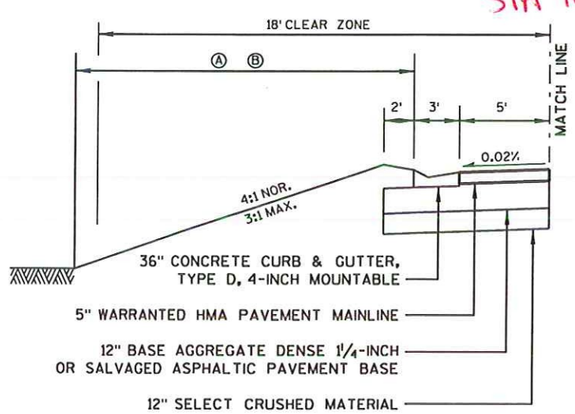


18" SELECT CRUSHED MATERIAL FROM STA 179+00 - 225+00

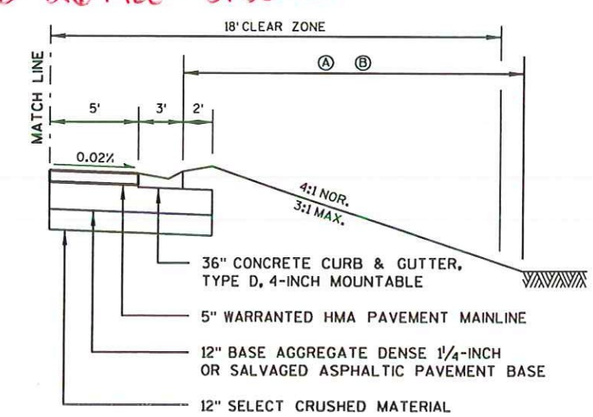
TYPICAL FINISHED SECTION

STA. 165+50 - STA. 245+00
STA. 264+00 - STA. 292+91.50

PLUS A LAYER OF GEOGRID FROM STA 165+50 - 245+00 AND 267+00 - 280+00



STA. 177+00 - STA. 178+81 LT
STA. 264+00 - STA. 274+63 LT
STA. 282+00 - STA. 290+70 LT



STA. 212+88 - STA. 216+50 RT
STA. 229+25 - STA. 230+55 RT

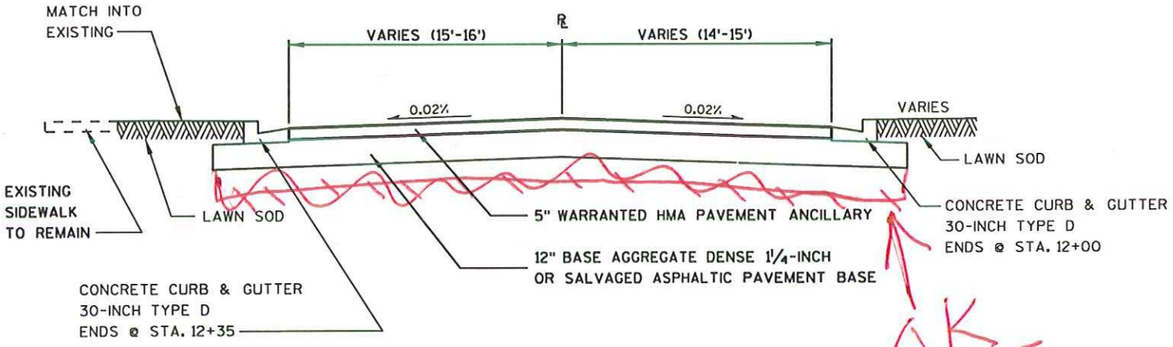
Ⓐ SEEDING, MIXTURE NO. 30; SEEDING, TEMPORARY; AND FERTILIZER, TYPE B

Ⓑ SALVAGED TOPSOIL AND MULCHING

Ⓒ ROCK EXCAVATION FROM APPROXIMATELY STA. 284+00 - STA. 288+00

SEE CROSS SECTION SHEETS FOR MORE DETAIL

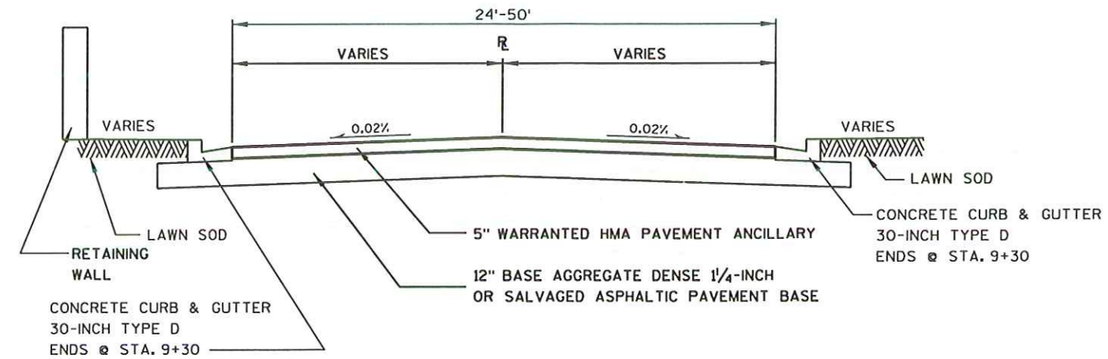
PROJECT NO: 5573-04-72	HWY: S.T.H. 136	COUNTY: SAUK	TYPICAL SECTIONS STH 136	SHEET	E



TYPICAL FINISHED SECTION

MADISON ST.

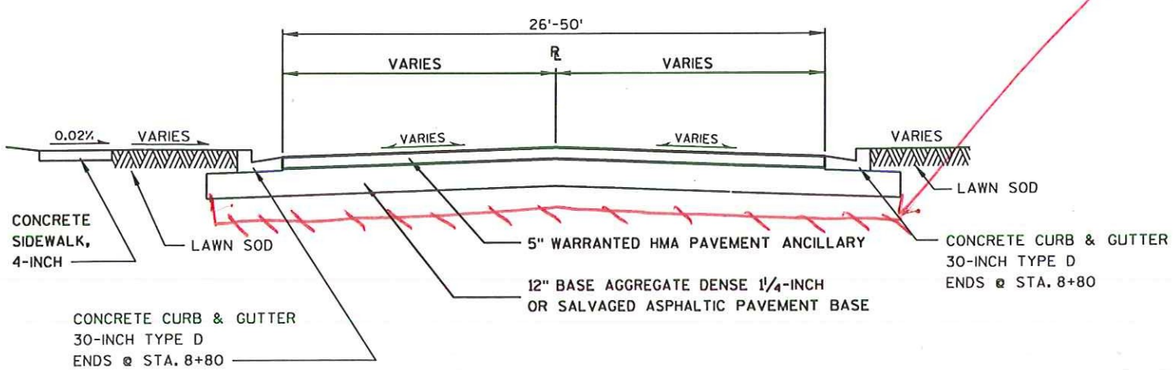
OK (NO CHANGE)



TYPICAL FINISHED SECTION

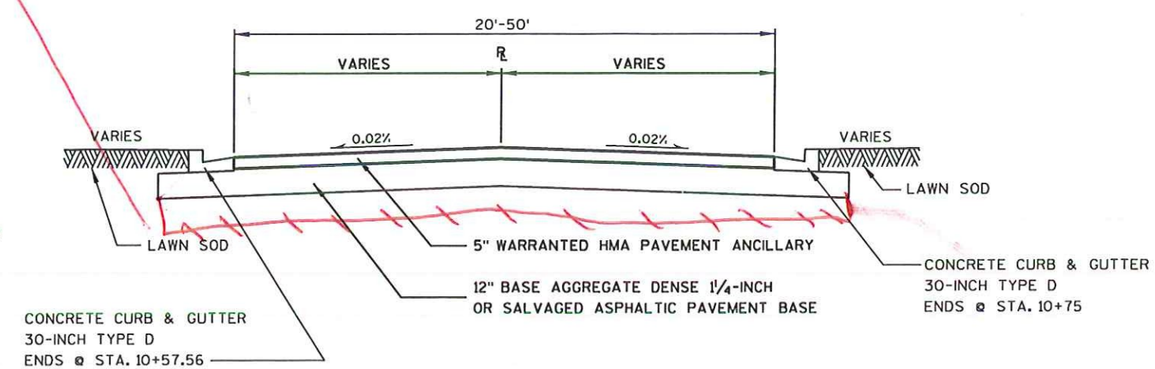
BENDER ST.

12" SELECT CRUSHED MATERIAL PLUS A LAYER OF GEOGRID FOR THE ENTIRE SIDESTREET



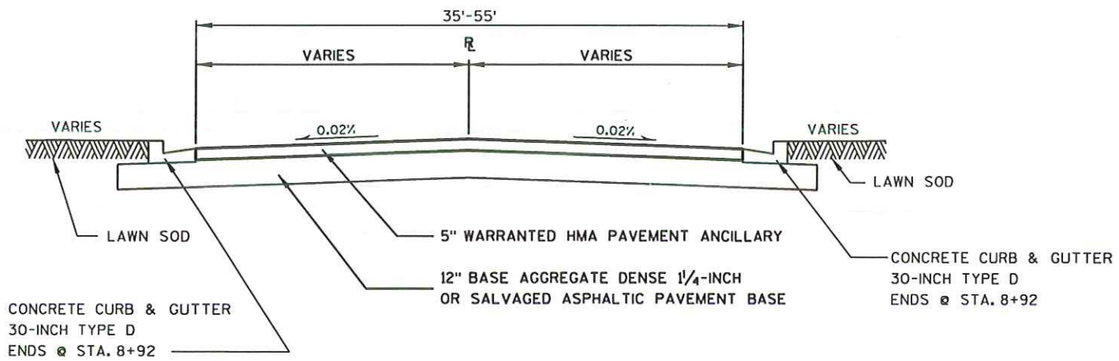
TYPICAL FINISHED SECTION

MONTGOMERY ST.



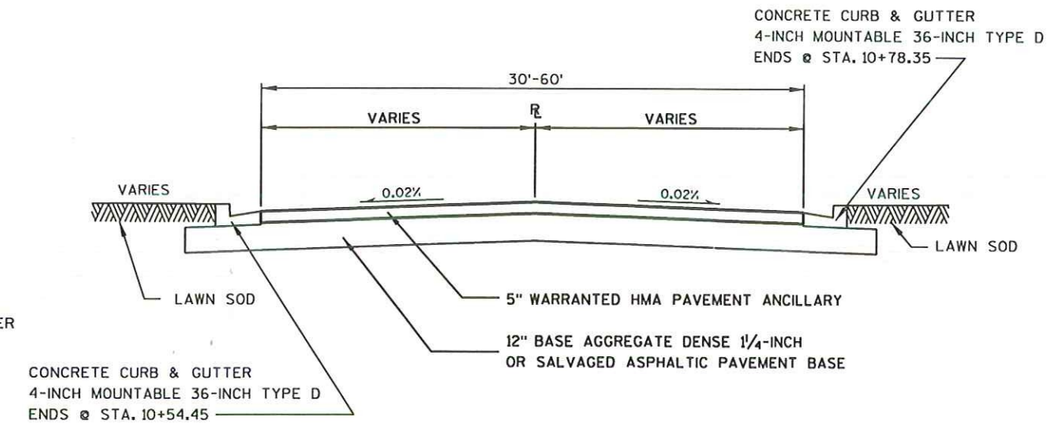
TYPICAL FINISHED SECTION

HOLTZ RD.



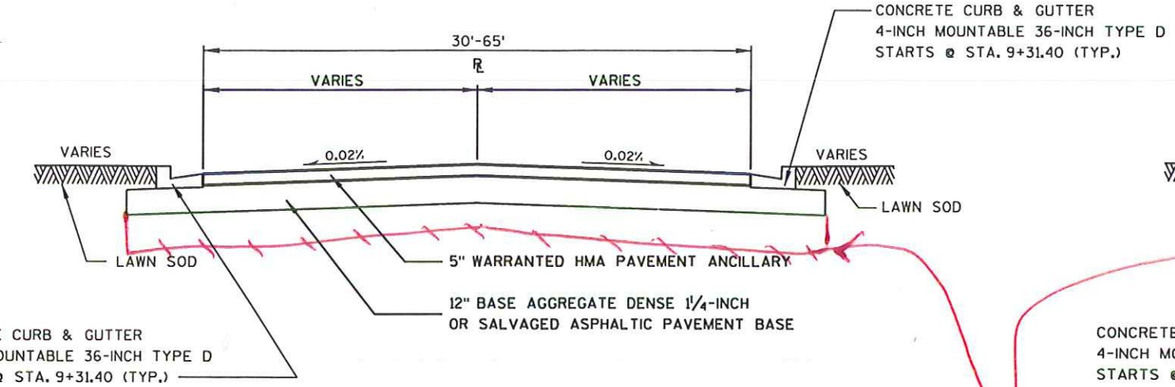
TYPICAL FINISHED SECTION

QUARRY RD.



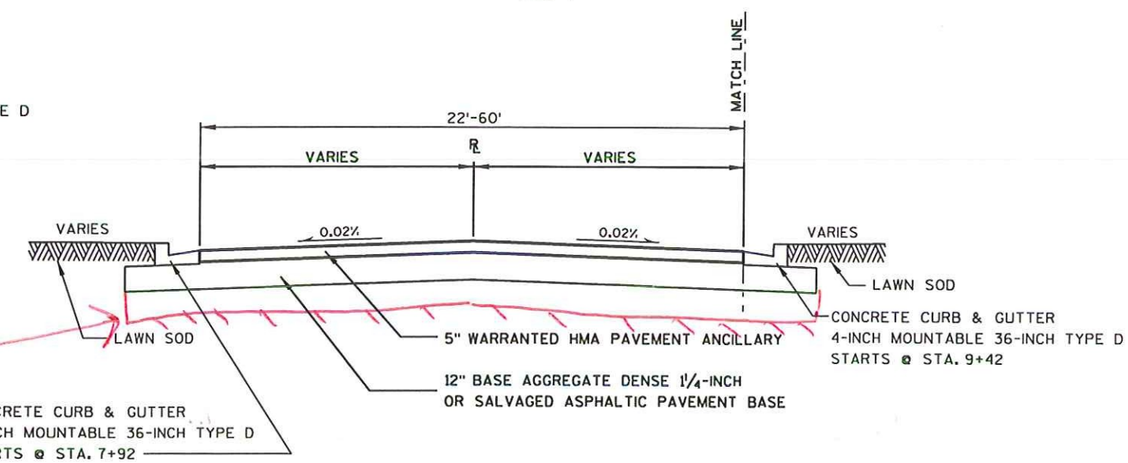
TYPICAL FINISHED SECTION

CTH I



TYPICAL FINISHED SECTION

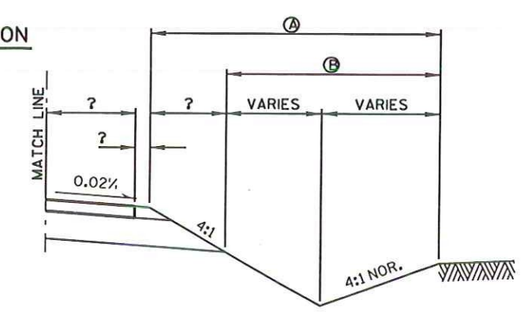
EXCELSIOR DR.



TYPICAL FINISHED SECTION

BELTER DR.

12" SELECT CRUSHED ON EXCELSIOR DR
18" SELECT CRUSHED ON BELTER DR
PLUS A LAYER OF GEOGRID FOR
THE ENTIRE SIDESTREET



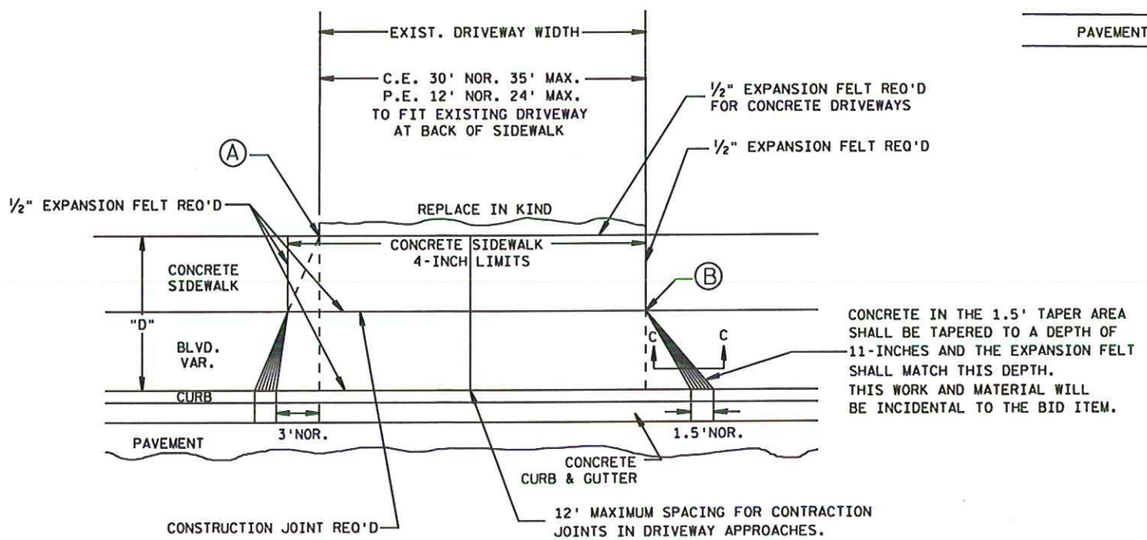
STA. 7+81.94 - STA. 9+42.00

Ⓐ SEEDING, MIXTURE NO. 30; SEEDING TEMPORARY; AND FERTILIZER, TYPE B

Ⓑ SALVAGED TOPSOIL AND MULCHING

PROJECT NO:5573-04-72	HWY: S.T.H. 136	COUNTY: SAUK	TYPICAL SECTIONS SIDE ROADS	SHEET	E

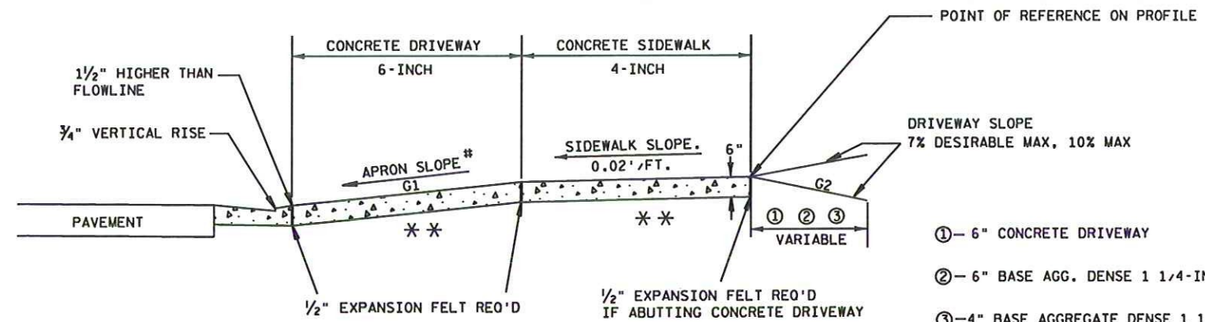
DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER



PLAN VIEW

Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK



TYPICAL SIDEWALK SECTION

① – 6" CONCRETE DRIVEWAY

② – 6" BASE AGG. DENSE 1 1/4-INCH

③ – 4" BASE AGGREGATE DENSE 1 1/4-INCH BASE WITH 2" WARRANTED HMA PAVEMENT ANCILLARY

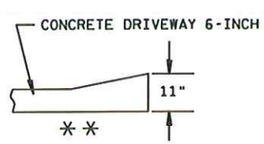
** = 6" BASE AGGREGATE DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRWY

#

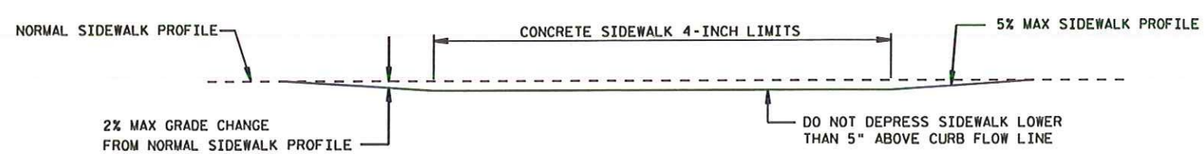
TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

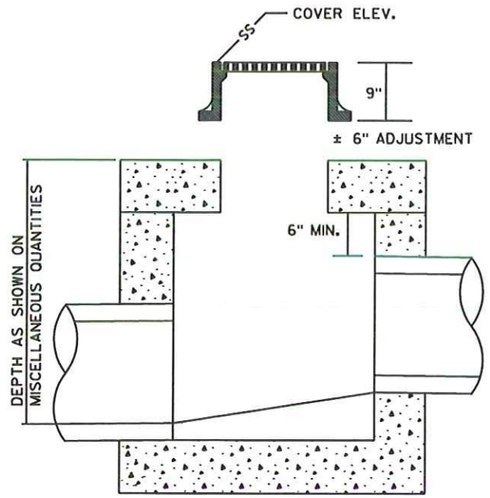


SECTION C-C



DEPRESSED SIDEWALK PROFILE DETAIL

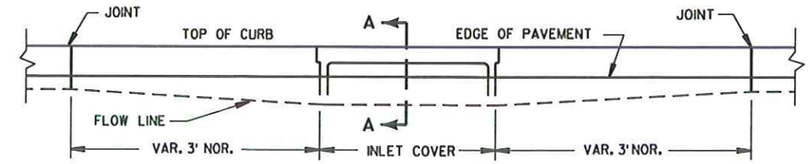
2



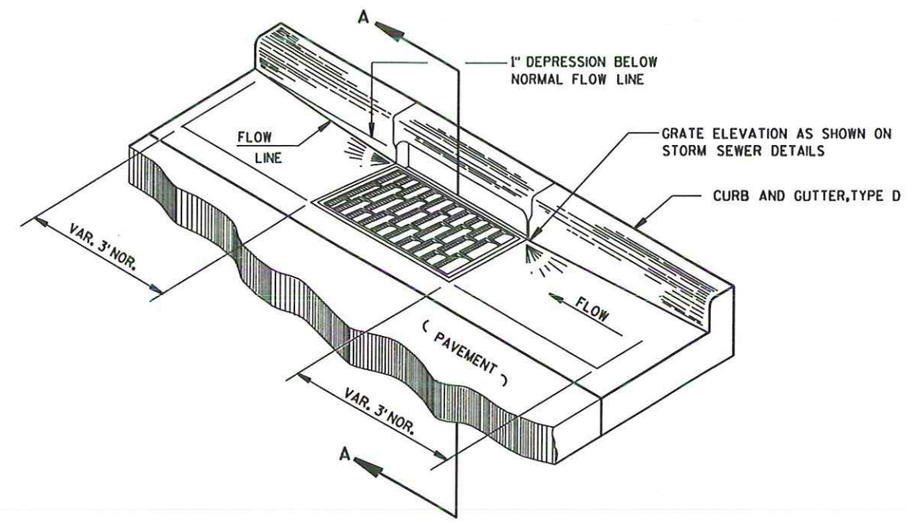
MANHOLE - TYPE 1 OR 3

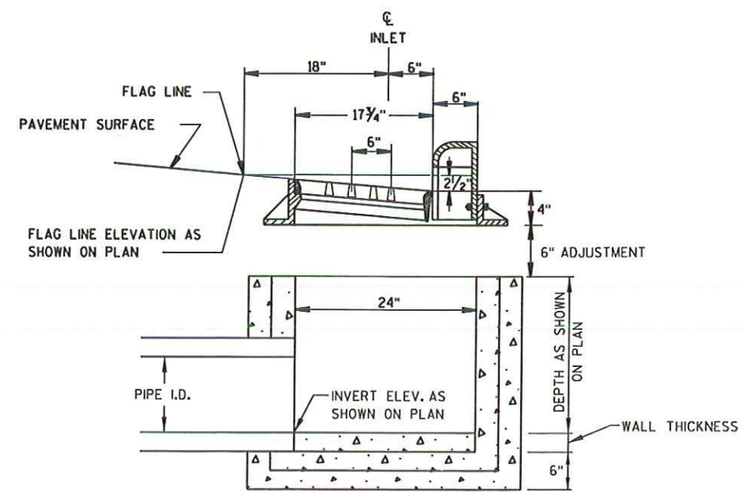
DETAIL FOR COMPUTING MANHOLE ELEVATIONS

2



ELEVATION





SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	CONSTRUCTION DETAILS	SHEET 16	E

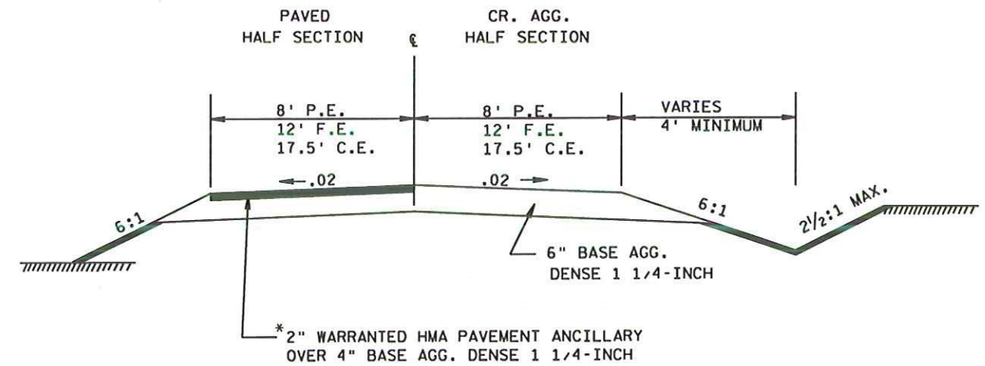
2

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 44.05 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 34.65 ACRES

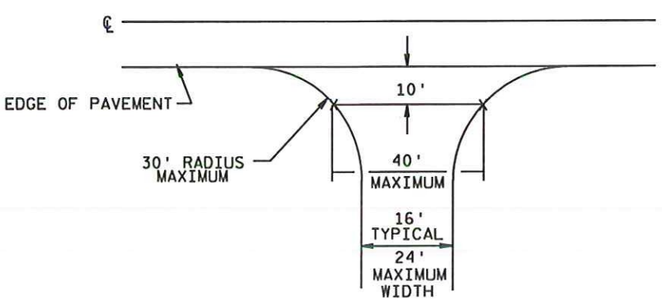
2



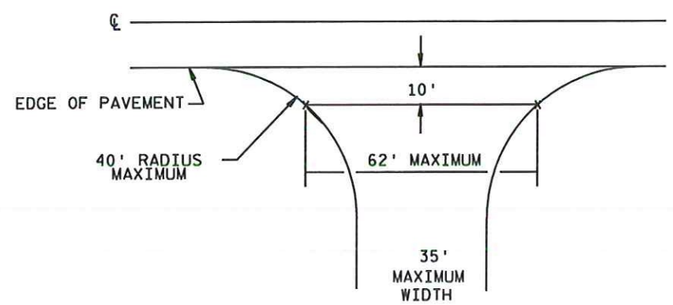
* OR MATCH EXIST.
ASPH. DEPTH

TYPICAL SECTION
FOR PRIVATE ENTRANCES

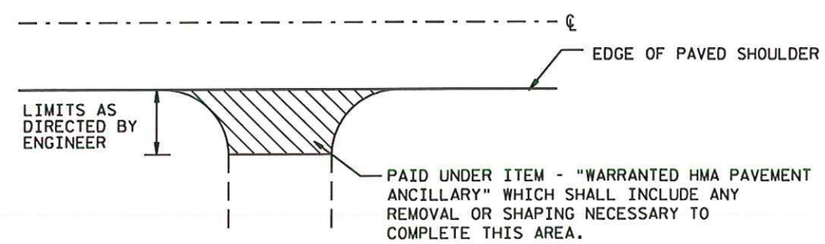
NOTE:
DRIVEWAY PROFILES NOT EXPECTED TO EXCEED 10%. PLACE LOW POINT OF DRIVEWAY PROFILE OVER DITCH FLOW LINE.



TYPICAL DRIVEWAY DETAIL
(NON-COMMERCIAL RURAL)

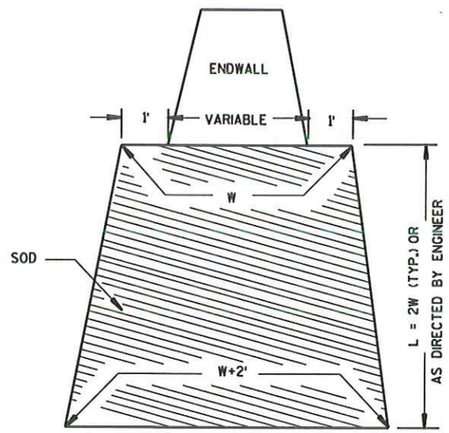


TYPICAL DRIVEWAY DETAIL
(COMMERCIAL RURAL)

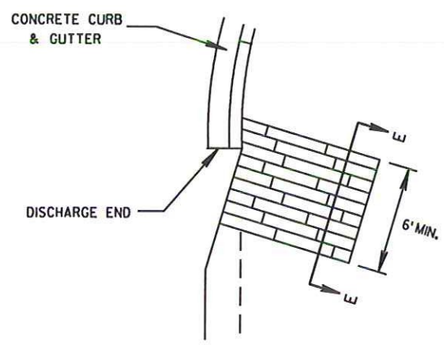


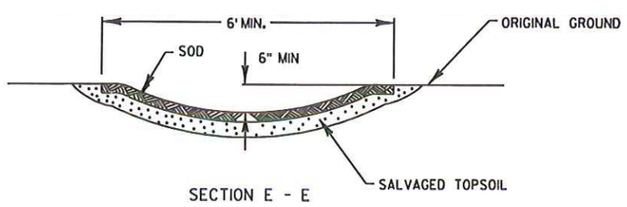
ANY ADDITIONAL BASE AGG. DENSE REQ'D. SHALL BE PAID UNDER ITEM - "BASE AGGREGATE DENSE 1 1/4-INCH"

RURAL DRIVEWAY DETAIL - ASPHALT

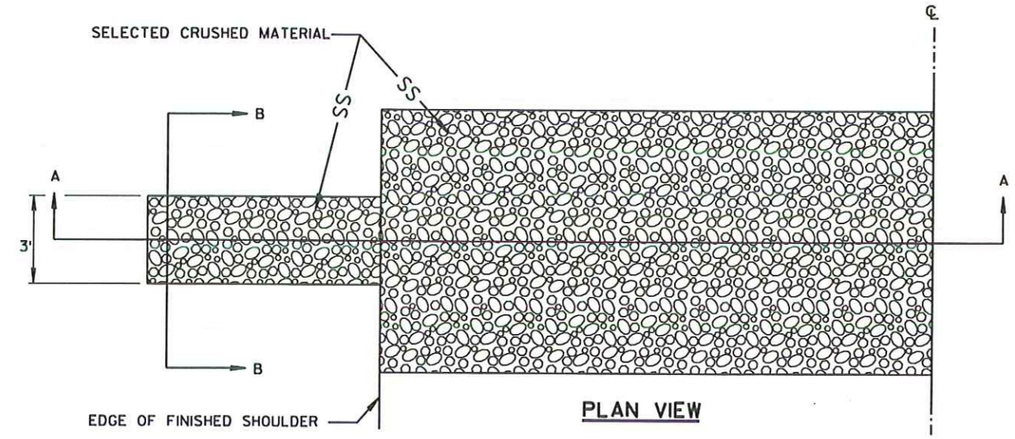


SOD TREATMENT AT CULVERTS

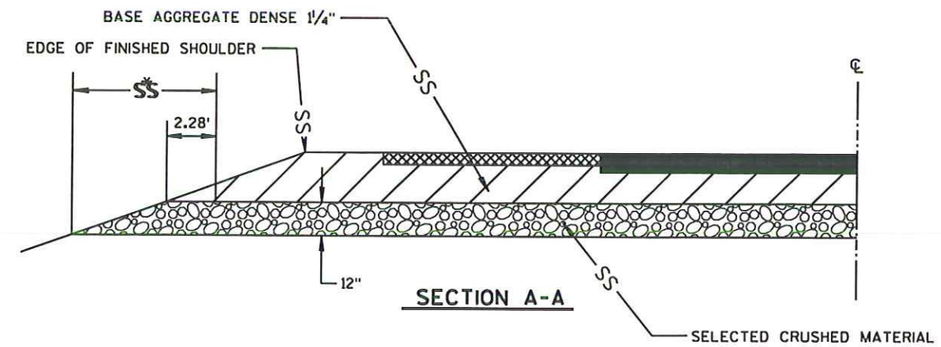




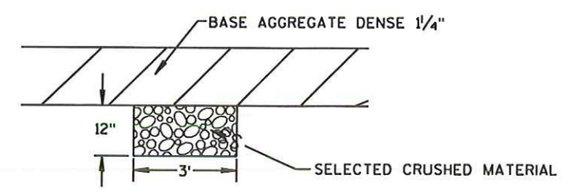
SOD FLUME DETAIL AT CURB ENDS



PLAN VIEW



SECTION A-A



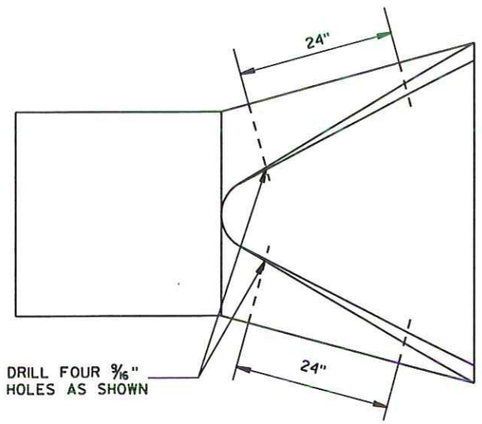
SECTION B-B

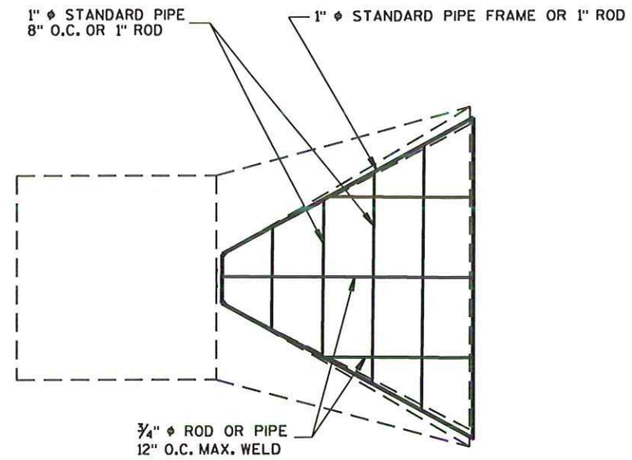
* DETAIL FOR SELECTED CRUSHED MATERIAL FRENCH DRAINS

(LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER, 200' NORMAL)

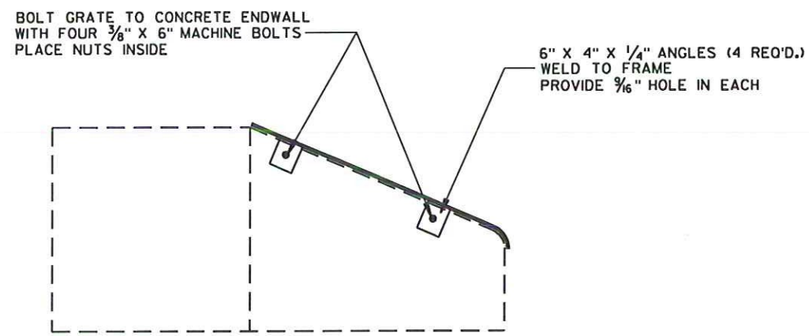
* EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS SHALL BE CONSIDERED INCIDENTAL TO THE ITEM SELECTED CRUSHED MATERIAL.

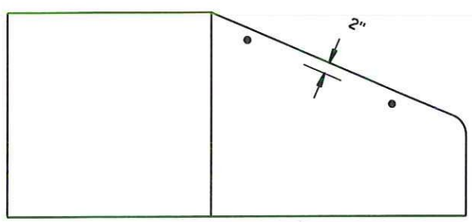
2

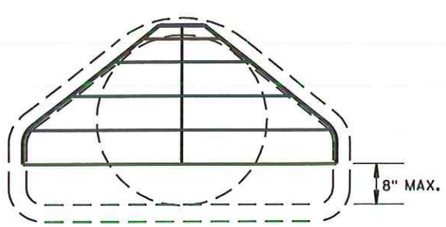




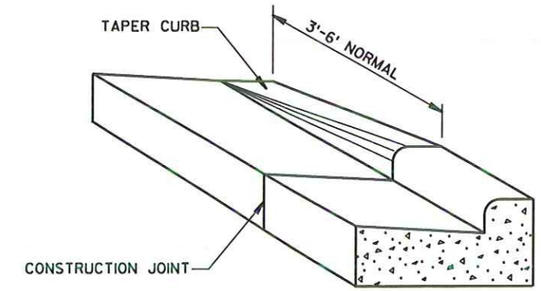
AT EACH PIPE



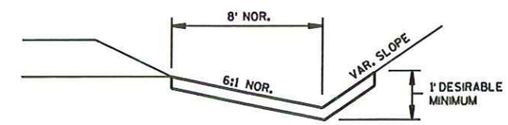




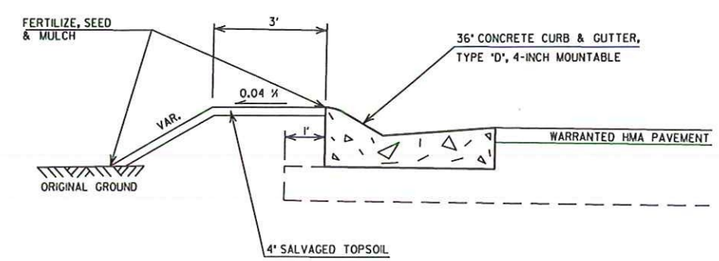
PIPE GRATE DETAIL



DETAIL OF CURB & GUTTER TERMINI



EROSION MAT DETAIL FOR DITCHES



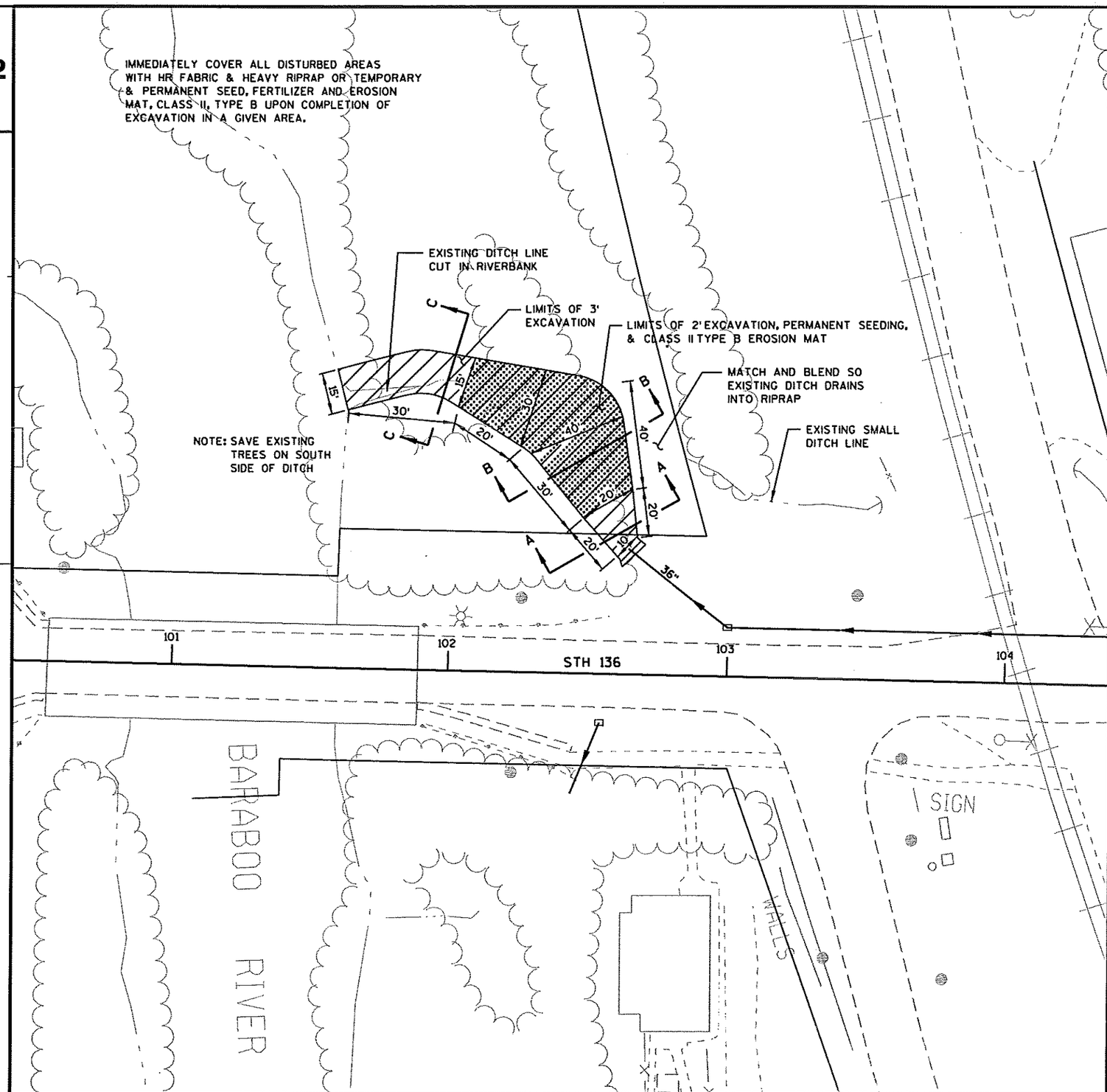
BERM WITH 36-INCH CURB AND GUTTER

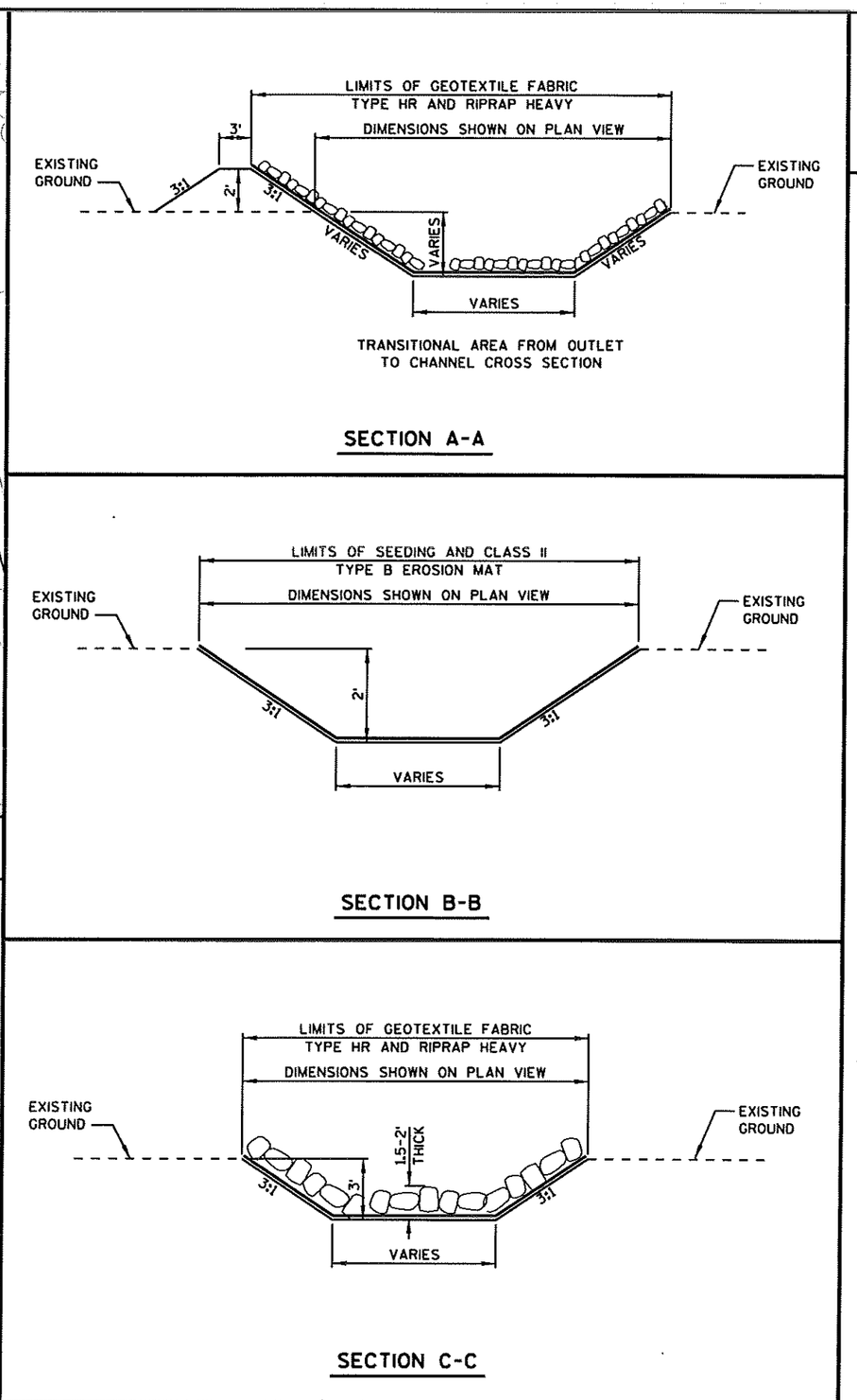
2

PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	CONSTRUCTION DETAILS	SHEET	E

2

IMMEDIATELY COVER ALL DISTURBED AREAS WITH HR FABRIC & HEAVY RIPRAP OR TEMPORARY & PERMANENT SEED, FERTILIZER AND EROSION MAT, CLASS II, TYPE B UPON COMPLETION OF EXCAVATION IN A GIVEN AREA.





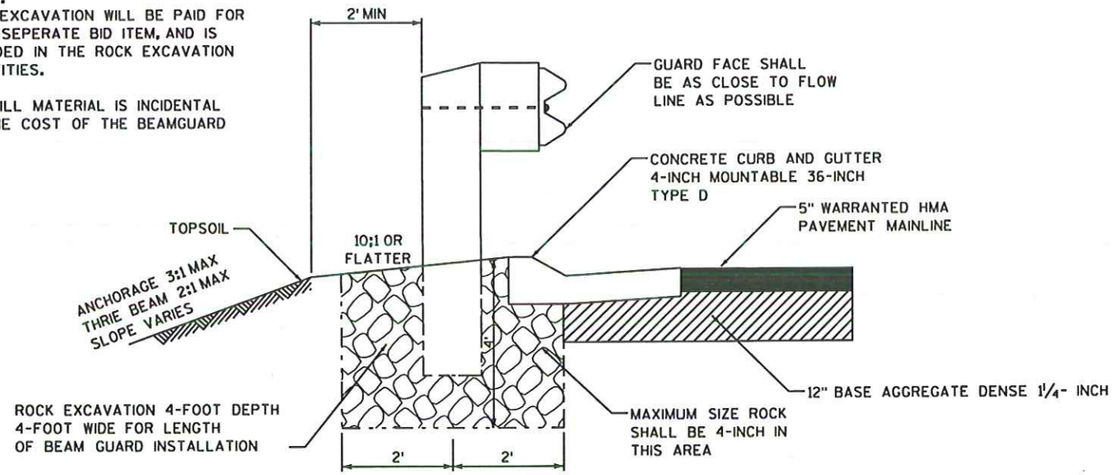
2

PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	CONSTRUCTION DETAILS	SHEET	E

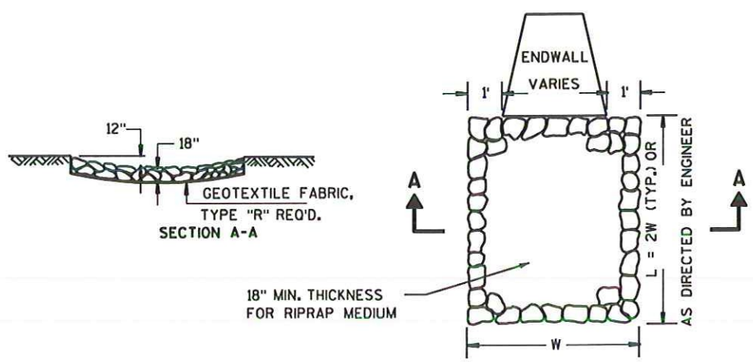
2

NOTES:
ROCK EXCAVATION WILL BE PAID FOR AS A SEPERATE BID ITEM, AND IS INCLUDED IN THE ROCK EXCAVATION QUANTITIES.

BACKFILL MATERIAL IS INCIDENTAL TO THE COST OF THE BEAMGUARD



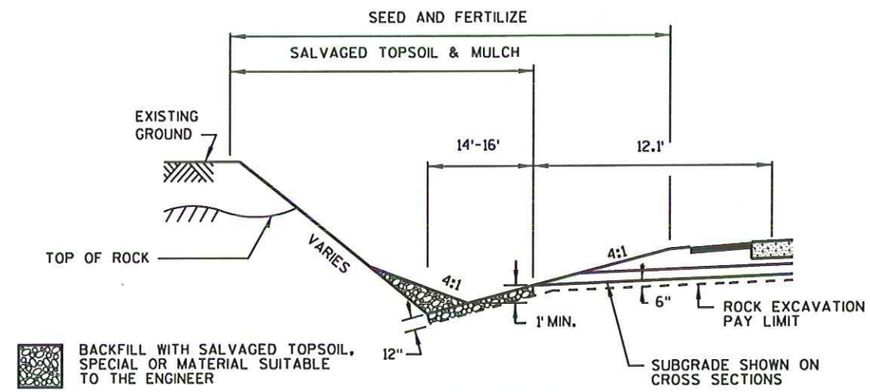
DETAIL FOR ROCK EXCAVATION FOR BEAM GUARD INSTALLATION



RIPRAP MEDIUM TREATMENT AT CULVERTS

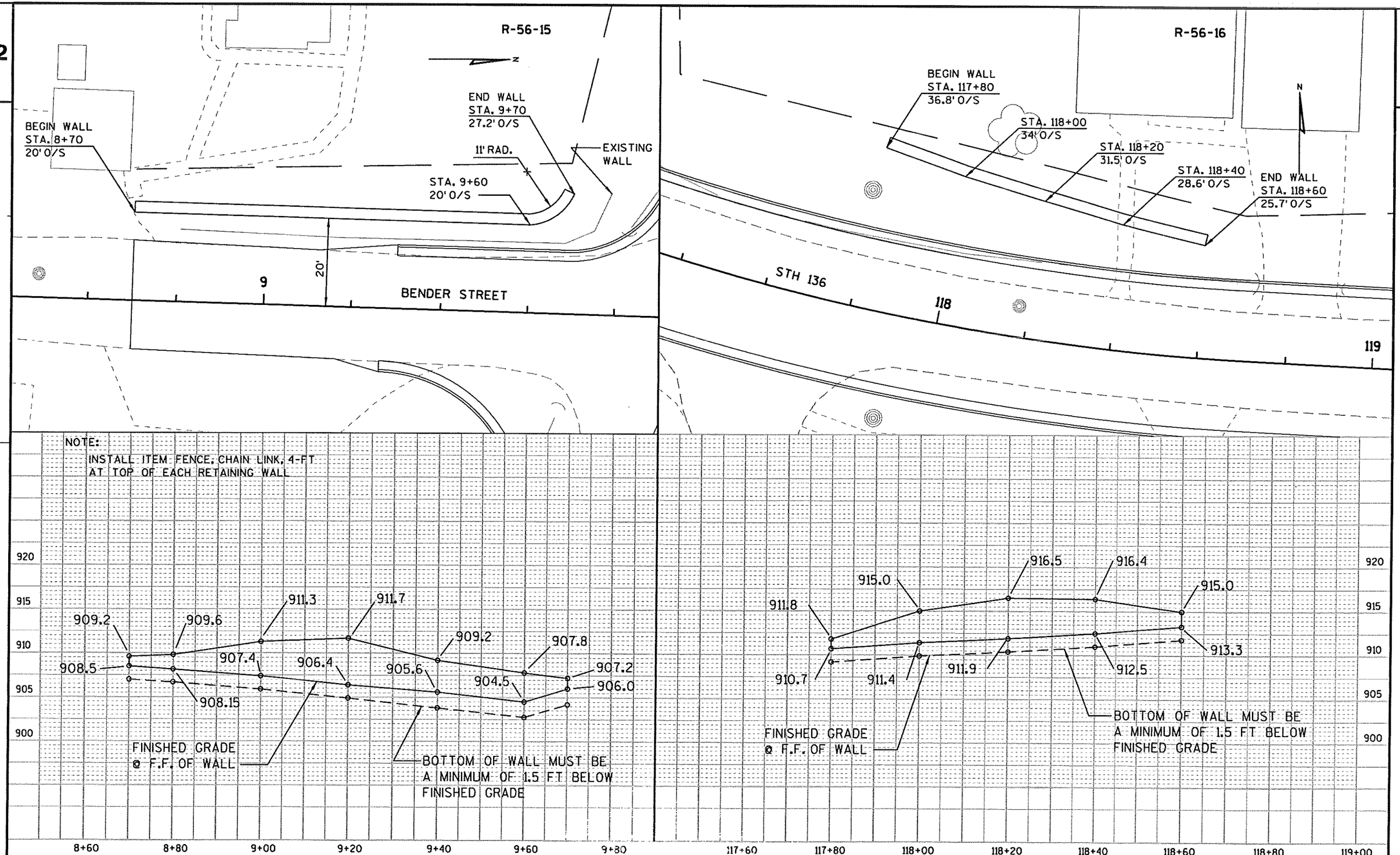
2

NOTES:
SALVAGED TOPSOIL SHALL BE PLACED TO A 12" MINIMUM DEPTH ON ALL ROCK CUT DITCH SLOPES FLATTER THAN 2:1. PAID FOR AS "SALVAGED TOPSOIL, SPECIAL".
12" ROCK UNDERCUT PAID FOR AS "EXCAVATION ROCK".

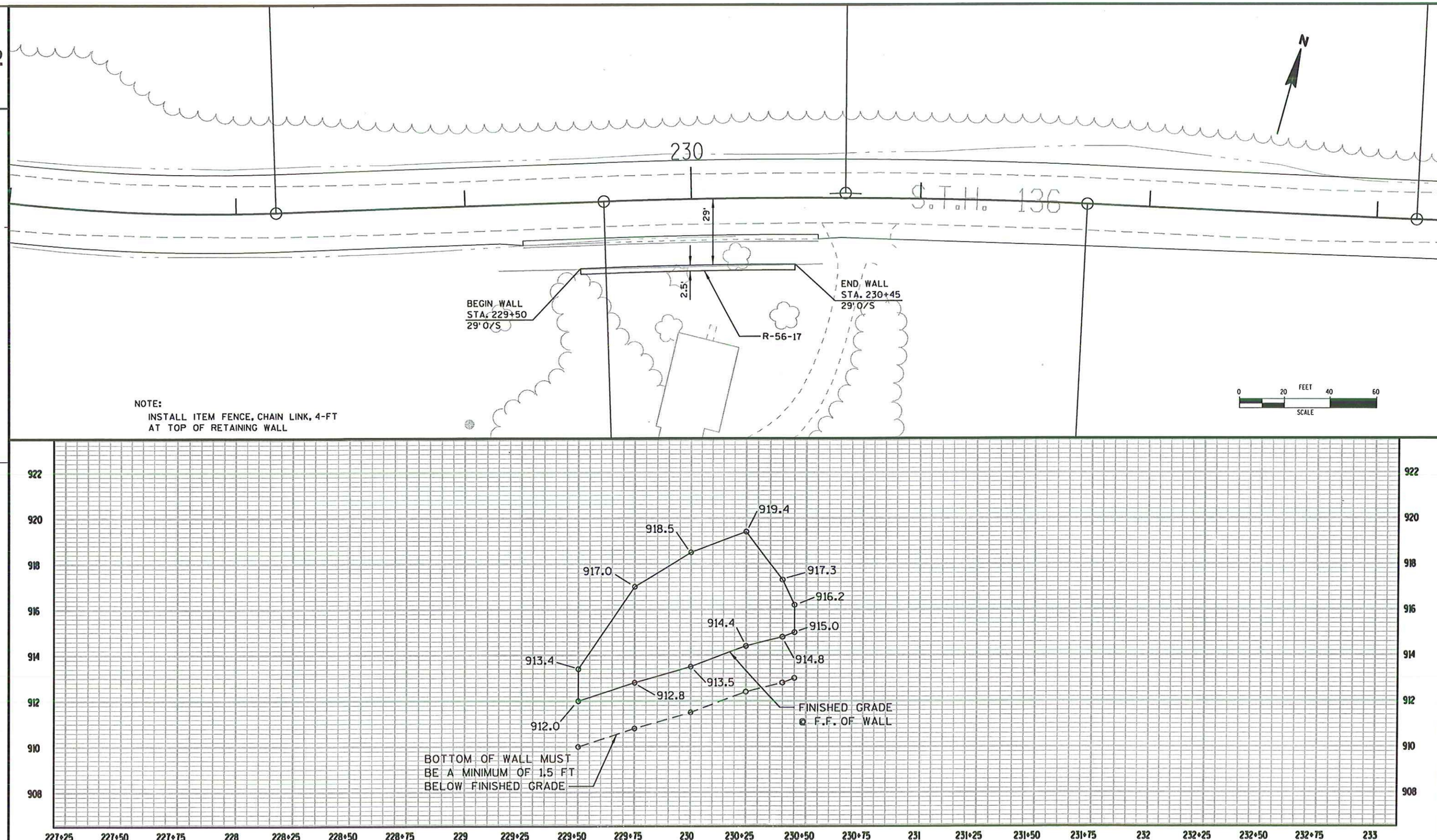


ROCK CUT DETAIL

STA. 138+00 - STA. 141+00
STA. 152+00 - STA. 153+00
STA. 159+00 - STA. 163+00



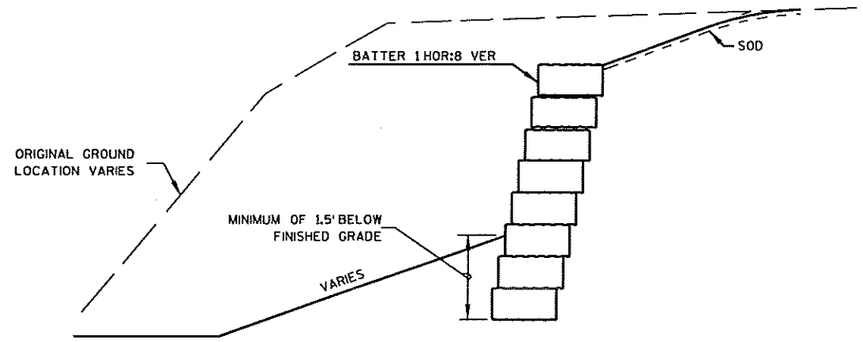
PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	RETAINING WALLS R-56-15 & R-56-16	SHEET	E



NOTE:
INSTALL ITEM FENCE, CHAIN LINK, 4-FT
AT TOP OF RETAINING WALL

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	RETAINING WALL R-56-17	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\021009_cd.DGN PLOT DATE : 12-JUL-2007 07:01 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 2.000000:1.000000 WISDOT/CADDS SHEET 42



DETAIL FOR MODULAR BLOCK GRAVITY WALL

SOIL BORINGS WERE TAKEN AT ALL WALL LOCAIONS, AND ARE AVAILABLE FOR REVIEW BY CONTACTING THE WISDOT GEOTECHNICAL SECTION.

R-56-15 Information

Analysis (DOT Standard)	*5 ft. Wall*
Sliding (FS>1.5)	*1.7*
Overturning (FS>2.0)	*2.2*
Global Stability (FS>1.3)	*1.59*
Allowable Bearing Capacity (applied FS=2.0) of Silty Sand Layer, based on wall widths & embedment depths shown in table	*2,500.00 psf*
Minimum Wall Width	*2.5 ft.*
Minimum Wall Embedment	*1.5 feet*
Settlement (approx.)	*None*

Notes:

A setback of 1 hor: 8 ver. was assumed for the block wall

The 5 ft. wall has been designed for 8 hor.: 1 ver. back-slope.

Loadings of 50 psf only were applied. If during construction, heavy construction equipment is operated in close proximity to the wall or if material is stockpiled near the wall, the safety factors for this wall will significantly decrease.

?Allowable bearing capacity of 10,000.00 psf (FS=2) may be used for the sandstone bedrock.

R-56-16 Information

Analysis (DOT Standard)	*5 ft. Wall*
Sliding (FS>1.5)	*1.9*
Overturning (FS>2.0)	*2.2*
Global Stability (FS>1.3)	*2.0*
Allowable Bearing Capacity (applied FS=2.0) of Sandstone Bedrock	*10,000.00 psf*
Minimum Wall Width	*2.5 ft.*
Minimum Wall Embedment	*1.5 feet*
Settlement (approx.)	*None*

Notes:

A setback of 1 hor: 8 ver. was assumed for the block wall

The 5 ft. wall has been designed for 4 hor.: 1 ver. back-slope.

Loadings of 50 psf only were applied. If during construction, heavy construction equipment is operated in close proximity to the wall or if material is stockpiled near the wall, the safety factors for this wall will significantly decrease.

R-56-17 Information

Analysis (DOT Standard)	*5 ft. Wall*
Sliding (FS>1.5)	*1.9*
Overturning (FS>2.0)	*2.2*
Global Stability (FS>1.3)	*1.7*
Allowable Bearing Capacity (applied FS=2.0) of Dense Sand, based on wall widths and embedment depths	*4100 psf*
Minimum Wall Width	*2.5 ft.*
Minimum Wall Embedment	*1.5 feet*
Settlement (approx.)	*None*

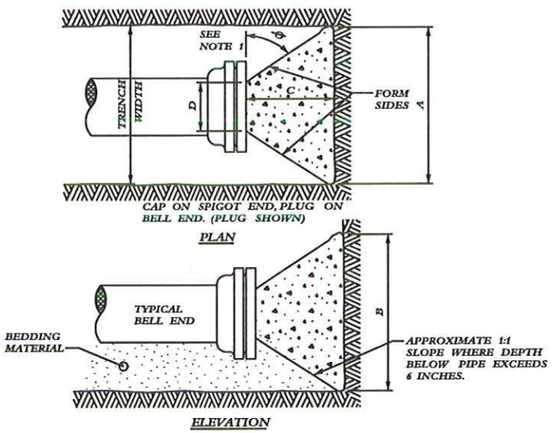
Notes:

A setback of 1 hor: 8 ver. was assumed for the block wall

The 5 ft. wall has been designed for 4 hor.: 1 ver. back-slope.

Loadings of 50 psf only were applied. If during construction, heavy construction equipment is operated in close proximity to the wall or if material is stockpiled near the wall, the safety factors for this wall will significantly decrease.

2



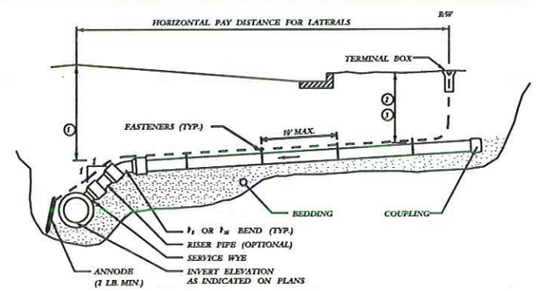
BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'- 6"	1'- 2"	SEE NOTE NO. 1	SEE NOTE NO. 2
8"	2'- 0"	1'- 4"		
12"	2'- 5"	1'- 10"		
16"	3'- 4"	2'- 4"		
20"	4'- 3"	2'- 10"		
24"	5'- 2"	3'- 4"		
30"	6'- 9"	4'- 0"		

NOTES:

1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE θ EQUAL TO OR LARGER THAN 45°.
2. DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2 INCHES. THE CONCRETE SHOULD NOT INTERFERE WITH THE MECHANICAL JOINTS.
3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, STRAPPING SHALL BE PERMITTED.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON- SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7- DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHLENE.

BUTTRESS FOR PLUGS DETAIL

SCALE: NONE



ELEVATION VIEW

NOTES FOR LATERAL INSTALLATION:

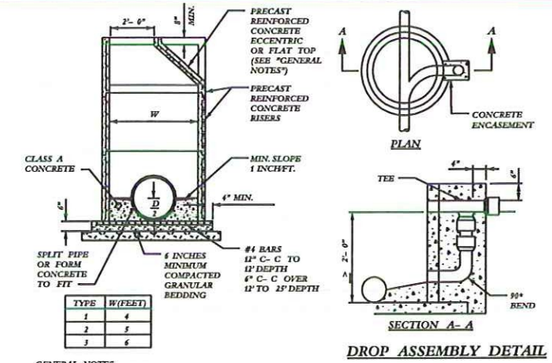
1. MINIMUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
2. MINIMUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
3. MINIMUM DEPTH OF COVER UNDER GRASS AREAS WITH FROST PROTECTION = 3 FEET 6 INCHES.
4. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MIN. AND 1/2 INCH PER FOOT MAX.

NOTES FOR TRACER WIRE INSTALLATION:

1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. NO. 12 GAUGE INSULATED COPPER TRACER WIRE SHALL BE INSTALLED WITH THE NON- CONDUCTIVE SERVICE PIPE TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS OR AS DETERMINED BY THE ENGINEER OR OWNER. TRACER WIRE INSTALLATION REQUIRES ACCESS POINTS AT LEAST EVERY 500 FEET.
3. TRACER WIRE SHALL BE RESTRAINED BY CABLE- TIES, TAPE, OR BY NON- CORRESIVE FASTNER APPROVED BY THE ENGINEER, INSTALLED EVERY 10 FEET ALONG SERVICE. DO NOT WRAP TRACER WIRE AROUND THE PIPE.
4. TRACER WIRE SHALL BE TERMINATED IN A FLUSH MOUNTED TERMINAL BOX WITH A CAST IRON LOCKABLE TOP. SPLICES IN TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT OR COMPRESSION- TYPE CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER- PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION. TERMINAL BOX SHALL BE VALVCO, OR APPROVED EQUAL.

SANITARY SEWER LATERAL DETAIL

SCALE: NONE



TYPE	W (FEET)
1	4
2	5
3	6

DROP ASSEMBLY DETAIL

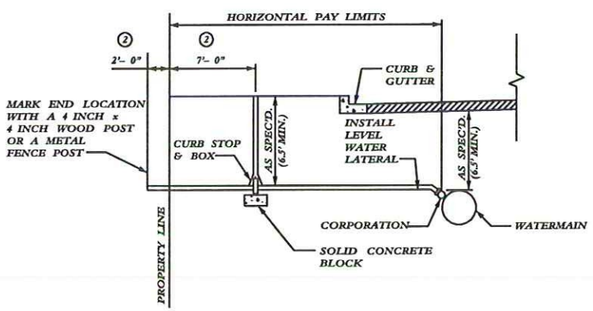
GENERAL NOTES:

1. 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 CONDITIONS.
2. DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.
3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
4. ECCENTRIC CONE TOPS SHALL BE USED ON ALL STRUCTURES 5 FEET OR GREATER IN DEPTH, AND FLAT TOPS SHALL BE USED ONLY ON STRUCTURES LESS THAN 5 FEET IN DEPTH, UNLESS DIRECTED BY THE ENGINEER.
5. PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.
6. ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.
7. DROP CONNECTIONS SHALL BE USED WHEN THE PIPE INVERT IS MORE THAN 2 FEET ABOVE THE MANHOLE INVERT.
8. PRECAST STRUCTURE MANWAY CLEAR OPENING SHALL MATCH CASTING – REFER TO STANDARD SPECIFICATION DIVISION 33 AND THE APPLICABLE SPECIAL CONDITIONS.
   - OPENING SHALL BE 24" FOR R- 1550 CASTINGS
   - OPENING SHALL BE 27" FOR R- 1642 CASTINGS

PRECAST REINFORCED CONCRETE MANHOLE DETAIL

SCALE: NONE

2

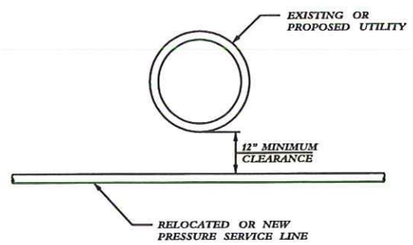


GENERAL NOTES:

1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERSEDE THE DIMENSIONS FROM THE PROPERTY LINE.

WATER SERVICE DETAIL

SCALE: NONE

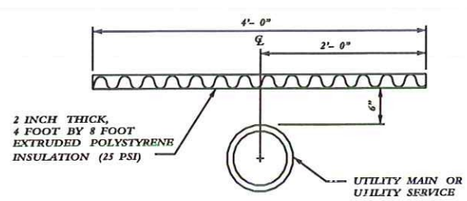


GENERAL NOTES:

1. PIPE INSULATION SHALL BE INSTALLED AS REQUIRED. SEE "PIPE INSULATION DETAIL."

PRESSURE SERVICE CROSSING DETAIL

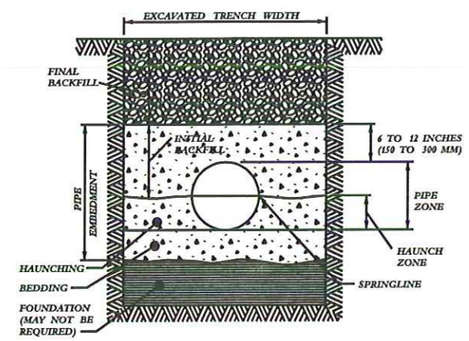
SCALE: NONE



STANDARD INSTALLATION

PIPE INSULATION DETAIL

SCALE: NONE

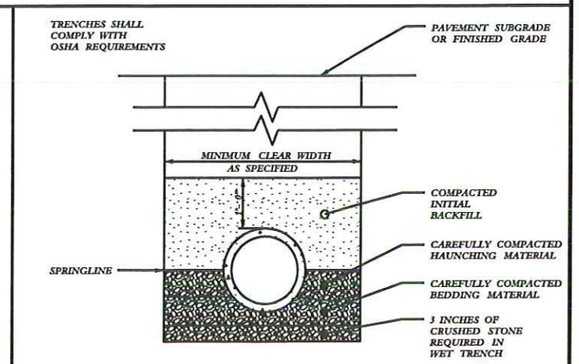


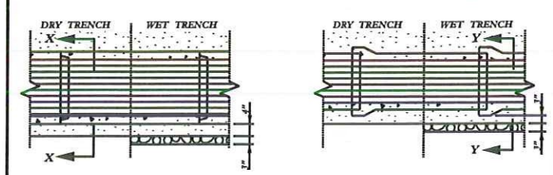
GENERAL NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM D2321.
2. CLASS II EMBEDMENT MATERIAL SHALL BE CLEAN, COARSE- GRAINED SOILS WITH LITTLE TO NO FINES. NO PARTICLES LARGER THAN 1 1/2 – INCHES SHALL BE USED IN THE PIPE EMBEDMENT.
3. WHERE HYDRAULIC GRADIENT EXISTS USE A WELL- GRADED MIXTURE TO MINIMIZE MIGRATION OF FINES FROM ADJACENT SOIL.
4. CLASS II MATERIAL IS SUITABLE AS A FOUNDATION AND FOR REPLACING OVER- EXCAVATED AND UNSTABLE TRENCH BOTTOM. INSTALL AND COMPACT IN 6- INCH MAXIMUM LAYERS.
5. INSTALL AND COMPACT BEDDING IN 6- INCH MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM DEPTH 4 INCH (6 INCH IN ROCK CUTS.)
6. INSTALL AND COMPACT HAUNCHING IN 6- INCH MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
7. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6 INCH ABOVE PIPE CROWN.
8. EMBEDMENT COMPACTION:
   MINIMUM DENSITY 85% STANDARD PROCTOR. USE HAND TAMPERS OR VIBRATORY COMPACTORS.

CLASS II – FLEXIBLE PIPE EMBEDMENT DETAIL

SCALE: NONE





TONGUE AND GROOVE PIPE — BELL AND SPIGOT PIPE

GENERAL NOTES:

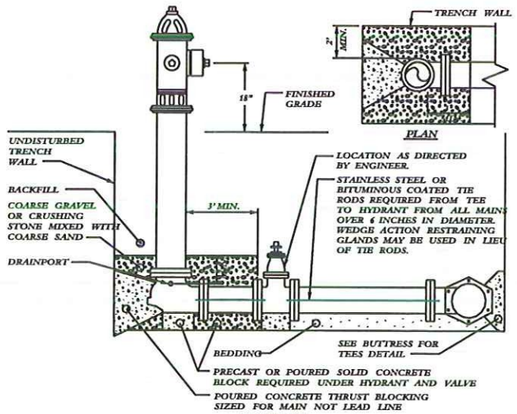
1. BEDDING AND HAUNCHING MATERIAL SHALL BE WELL- GRADED 3/4 TO 1/4 INCH CRUSHED STONE OR OTHER NONE COHESIVE MATERIAL NOT SUBJECT TO MIGRATION AND FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
2. BEDDING MATERIAL TO BE PLACED BEFORE SETTING PIPE, 4 INCH MINIMUM UNDER BARREL WITH 3 INCH MINIMUM UNDER BELL.
3. INITIAL BACKFILL SHALL BE DENSELY COMPACTED, NON- COHESIVE FINELY DIVIDED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND LARGE STONES.
4. IN ROCK OR OTHER INCOMPRESSABLE MATERIALS, THE TRENCH SHALL BE OVEREXCAVATED A MINIMUM OF 6- INCHES AND REFILLED WITH GRANULAR MATERIAL.

CLASS "B" EMBEDMENT FOR RIGID PIPE DETAIL

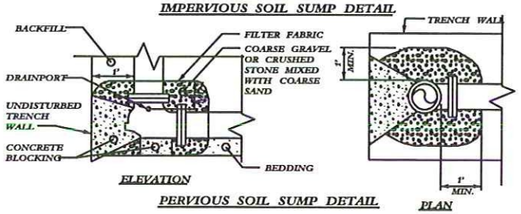
SCALE: NONE

PROJECT NO: 5575-04-82	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER DETAILS	SHEET 25	E

2



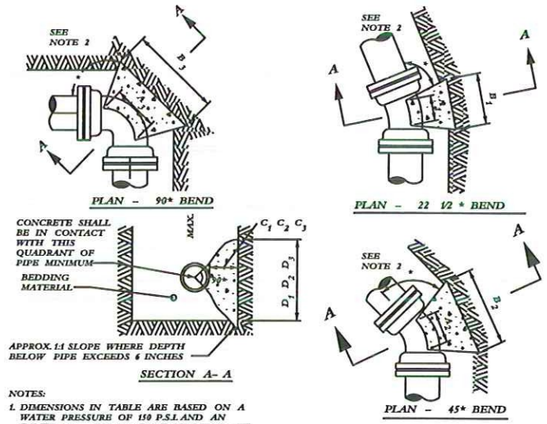
IMPERVIOUS SOIL SUMP DETAIL



PERVIOUS SOIL SUMP DETAIL

HYDRANT AND LEAD CONNECTION DETAIL

SCALE: NONE



NOTES:

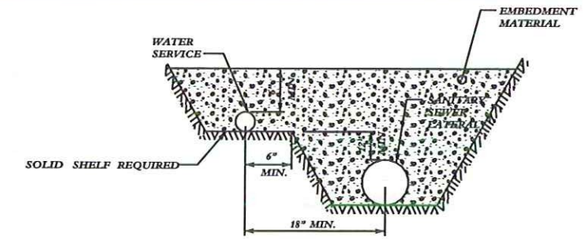
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ.FT. INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON- SITE SOIL DOES NOT MEET THIS CONDITION.
2. DIMENSION C C C SHOULD BE LARGE ENOUGH TO MAKE ANGLE * EQUAL TO OR LARGER THAN 45*.
3. DIMENSION A_1 A_2 A_3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERRING WITH THE MECHANICAL JOINT.
4. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
5. ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
6. CONCRETE SHALL HAVE A MINIMUM 7- DAY COMPRESSIVE STRENGTH OF 2000 PSI.

BUTTRESS DIMENSIONS

PIPE SIZE	11 1/2 * BENDS		45* BENDS		90* BENDS	
	B_1	D_1	B_2	D_2	B_3	D_3
6"	1'- 0"	1'- 0"	1'- 0"	1'- 0"	1'- 4"	1'- 2"
8"	1'- 0"	1'- 0"	1'- 4"	1'- 2"	1'- 10"	1'- 6"
10"	1'- 2"	1'- 2"	1'- 7"	1'- 7"	2'- 3"	1'- 10"
12"	1'- 4"	1'- 4"	1'- 10"	1'- 11"	2'- 8"	2'- 3"
16"	1'- 11"	1'- 8"	2'- 6"	2'- 4"	3'- 11"	2'- 11"
20"	2'- 4"	2'- 0"	3'- 3"	2'- 10"	5'- 0"	3'- 4"
24"	2'- 11"	2'- 4"	4'- 0"	3'- 3"	6'- 4"	3'- 11"

BUTTRESS FOR BENDS DETAIL

SCALE: NONE



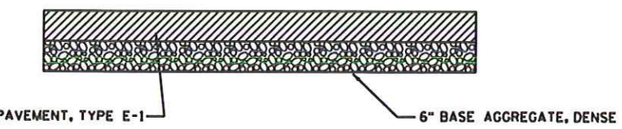
GENERAL NOTES:

1. WATER SERVICES 3 INCHES IN DIAMETER AND LARGER SHALL BE LAID WITH A CLEAR HORIZONTAL SEPERATION NOT LESS THAN 2 FEET FROM THE SANITARY LATERAL.

WATER SERVICE AND SANITARY SEWER LATERAL DETAIL

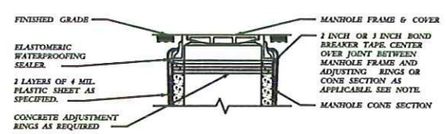
SCALE: NONE

2



TYPICAL SECTION DETAIL

SCALE: NONE



THE BOND BREAKER TAPE IS TO PREVENT THE SEALER FROM BONDING TO THE EDGE OF THE FLANGE OF THE MH FRAME AND THE UPPER 1- 12 INCHES OF ADJUSTING RING OR CONE. IF THE EDGE OF FLANGE IS NOT FLUSH WITH ADJUSTING RING OR CONE, APPLY ADDITIONAL TAPE AS REQUIRED TO PREVENT SUCH BONDING.

ELASTOMERIC FRAME/CHIMNEY SEAL

GENERAL NOTE:
THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.

EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

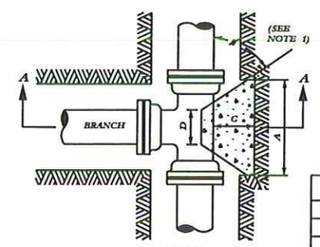
GENERAL NOTES:

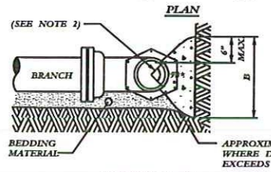
1. THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.
2. AN INTERAL ADAPTOR SEAL RING MAY BE USED IN LIEU OF THE RUBBER SLEEVE. THE INTERNAL ADAPTOR SEAL RING SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

INTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

MANHOLE WATERPROOFING DETAIL

SCALE: NONE





BUTTRESS DIMENSIONS

B.D	A	B	C	D
6"	1'- 3"	1'- 0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'- 6"	1'- 4"		
10"	1'- 10"	1'- 8"		
12"	2'- 3"	2'- 0"		
16"	3'- 2"	2'- 6"		
20"	4'- 0"	3'- 0"		
24"	5'- 3"	3'- 4"		

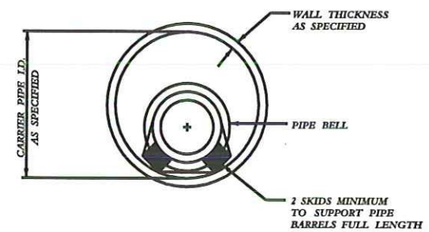
B.D. = BRANCH DIAMETER

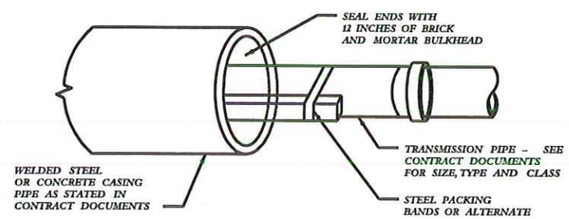
NOTES:

1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREATER THAN OR EQUAL TO 45*.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ.FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON- SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7- DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.

BUTTRESS FOR TEES DETAIL

SCALE: NONE



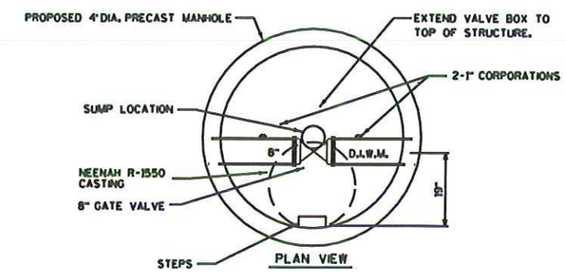


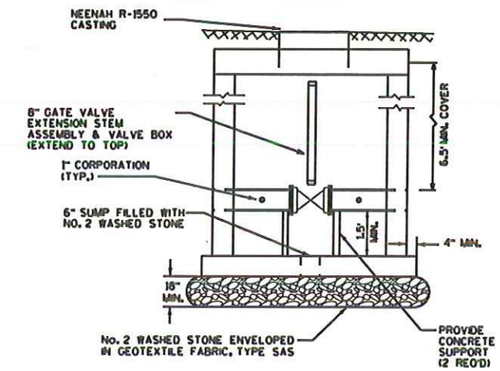
GENERAL NOTES:

1. VOID BETWEEN CARRIER PIPE AND CASING SHALL BE FILLED WITH SAND OR PEA GRAVEL.

CASING AND TRANSMISSION PIPE DETAIL

SCALE: NONE





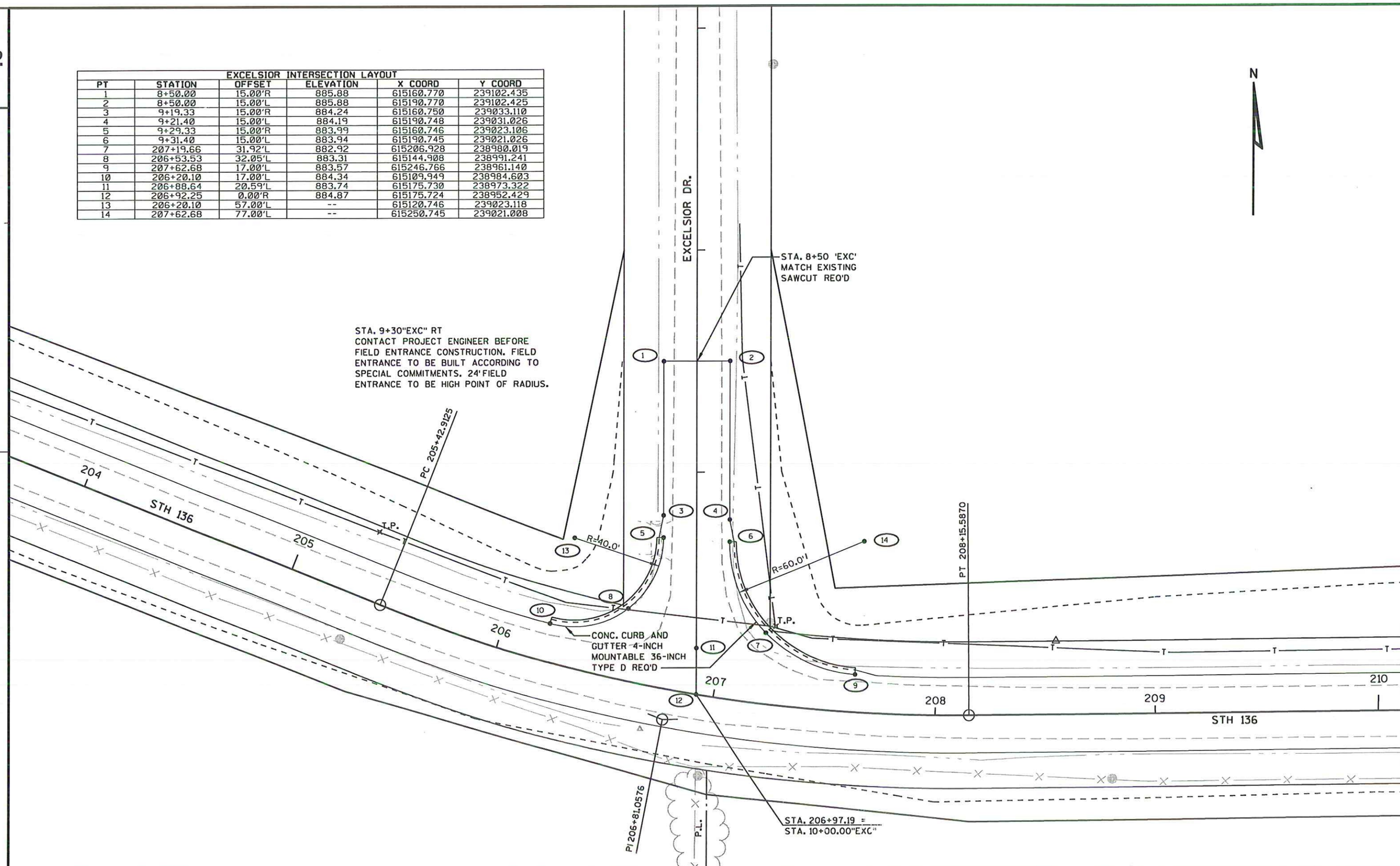
VALVE MANHOLE DETAIL

SCALE: NONE

PROJECT NO: 5575-04-72	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER DETAILS	SHEET 26	E

2

EXCELSIOR INTERSECTION LAYOUT					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
1	8+50.00	15.00'R	885.88	615160.770	239102.435
2	8+50.00	15.00'L	885.88	615190.770	239102.425
3	9+19.33	15.00'R	884.24	615160.750	239033.110
4	9+21.40	15.00'L	884.19	615190.748	239031.026
5	9+29.33	15.00'R	883.99	615160.746	239023.106
6	9+31.40	15.00'L	883.94	615190.745	239021.026
7	207+19.66	31.92'L	882.92	615206.928	238980.019
8	206+53.53	32.05'L	883.31	615144.908	238991.241
9	207+62.68	17.00'L	883.57	615246.766	238961.140
10	206+20.10	17.00'L	884.34	615109.949	238984.603
11	206+88.64	20.59'L	883.74	615175.730	238973.322
12	206+92.25	0.00'R	884.87	615175.724	238952.429
13	206+20.10	57.00'L	--	615120.746	239023.118
14	207+62.68	77.00'L	--	615250.745	239021.008



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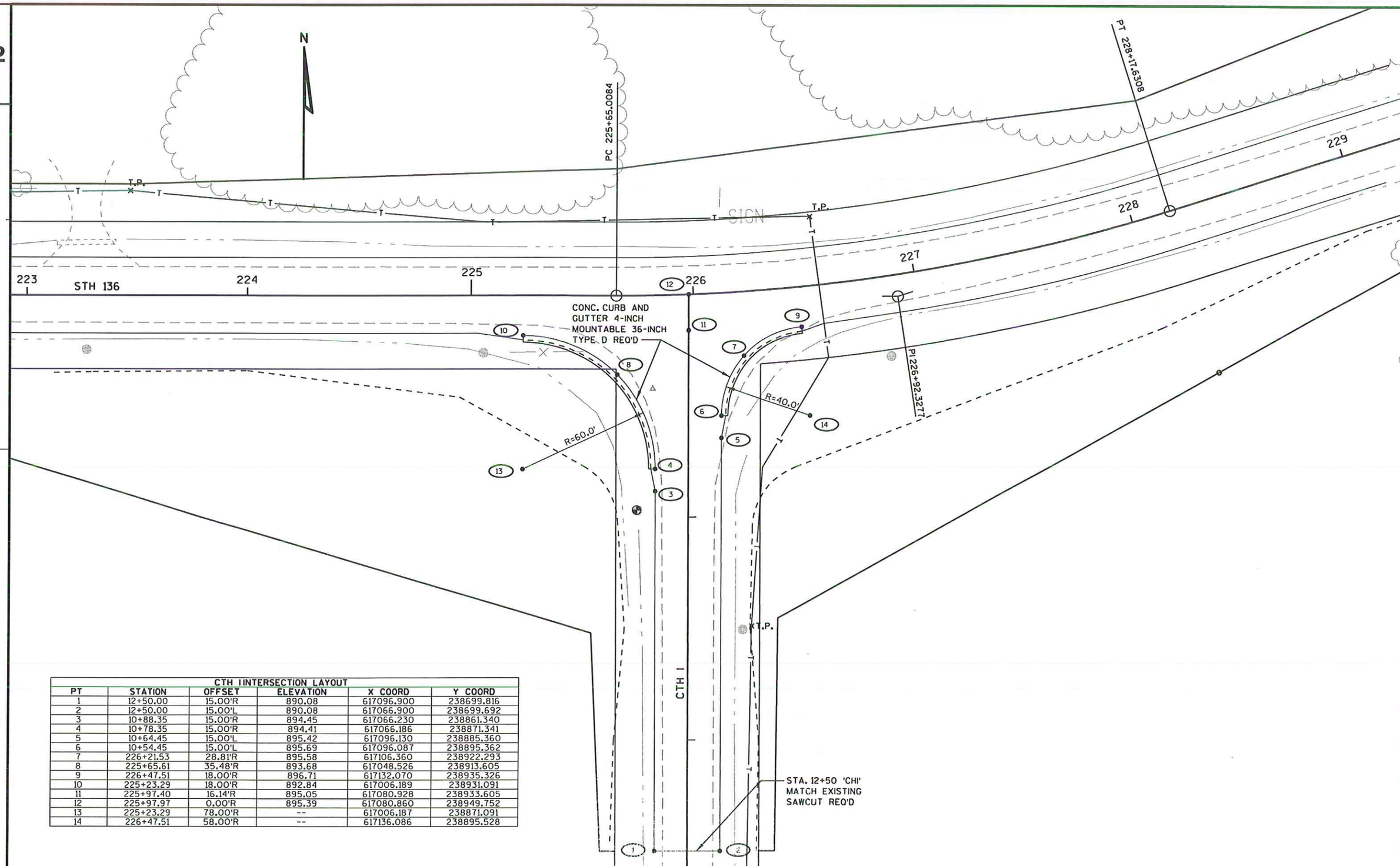
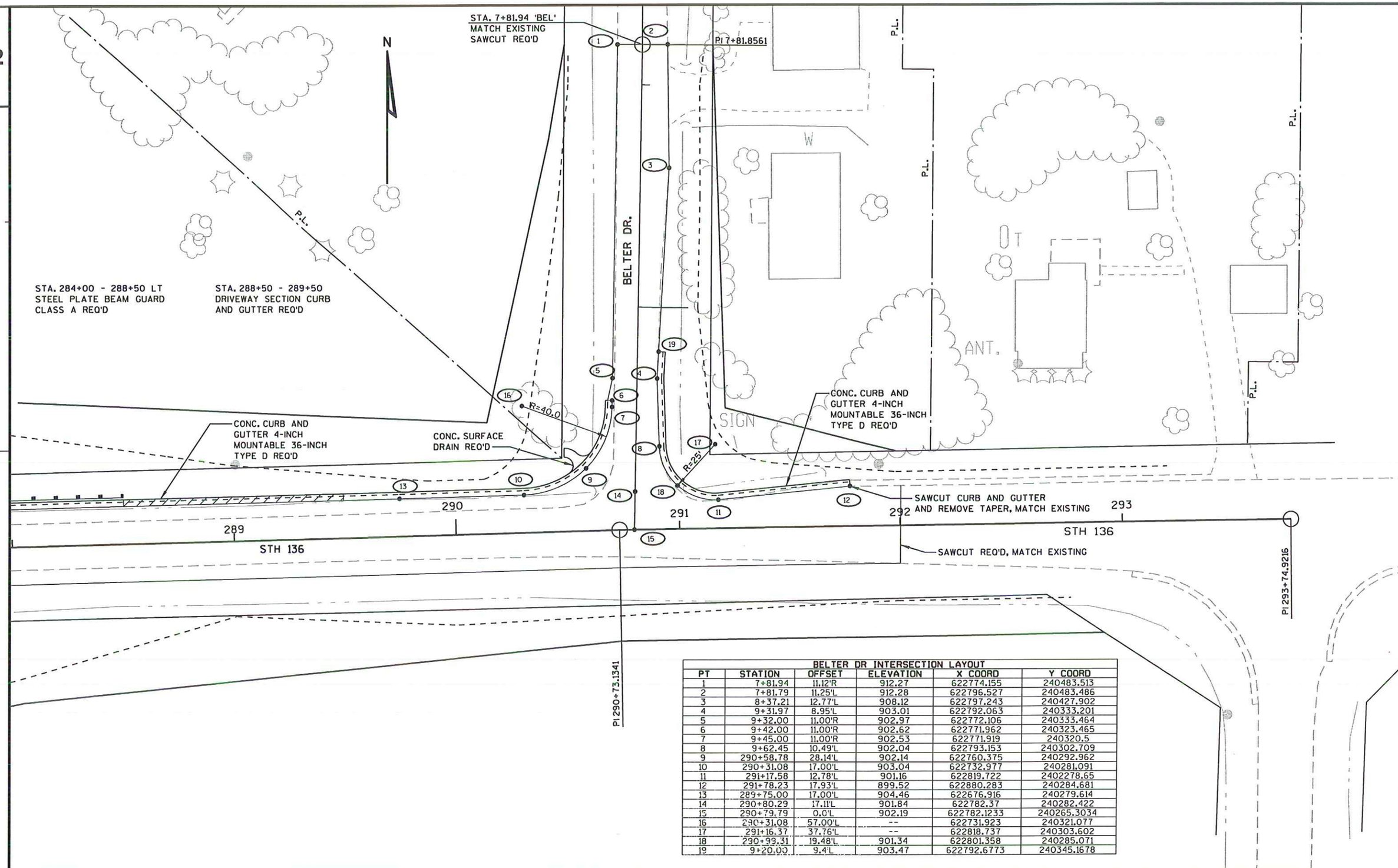
PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	INTERSECTION DETAILS	SHEET	E



CTH I INTERSECTION LAYOUT					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
1	12+50.00	15.00'R	890.08	617096.900	238699.816
2	12+50.00	15.00'L	890.08	617066.900	238699.692
3	10+88.35	15.00'R	894.45	617066.230	238861.340
4	10+78.35	15.00'R	894.41	617066.186	238871.341
5	10+64.45	15.00'L	895.42	617096.130	238885.360
6	10+54.45	15.00'L	895.69	617096.087	238895.362
7	226+21.53	28.81'R	895.58	617106.360	238922.293
8	225+65.61	35.48'R	893.68	617048.526	238913.605
9	226+47.51	18.00'R	896.71	617132.070	238935.326
10	225+23.29	18.00'R	892.84	617006.189	238931.091
11	225+97.40	16.14'R	895.05	617080.928	238933.605
12	225+97.97	0.00'R	895.39	617080.860	238949.752
13	225+23.29	78.00'R	--	617006.187	238871.091
14	226+47.51	58.00'R	--	617136.086	238895.528

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	INTERSECTION DETAILS	SHEET	E



BELTER DR INTERSECTION LAYOUT					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
1	7+81.94	11.12'R	912.27	622774.155	240483.513
2	7+81.79	11.25'L	912.28	622796.527	240483.486
3	8+37.21	12.77'L	908.12	622797.243	240427.902
4	9+31.97	8.95'L	903.01	622792.063	240333.201
5	9+32.00	11.00'R	902.97	622772.106	240333.464
6	9+42.00	11.00'R	902.62	622771.962	240323.465
7	9+45.00	11.00'R	902.53	622771.919	240320.5
8	9+62.45	10.49'L	902.04	622793.153	240302.709
9	290+58.78	28.14'L	902.14	622760.375	240292.962
10	290+31.08	17.00'L	903.04	622732.977	240281.091
11	291+17.58	12.78'L	901.16	622819.722	2402278.65
12	291+78.23	17.93'L	899.52	622880.283	240284.681
13	289+75.00	17.00'L	904.46	622676.916	240279.614
14	290+80.29	17.11'L	901.84	622782.37	240282.422
15	290+79.79	0.0'L	902.19	622782.1233	240265.3034
16	290+31.08	57.00'L	--	622731.923	240321.077
17	291+16.37	37.76'L	--	622818.737	240303.602
18	290+99.31	19.48'L	901.34	622801.358	240285.071
19	9+20.00	9.4'L	903.47	622792.6773	240345.1678

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	INTERSECTION DETAILS	SHEET	E

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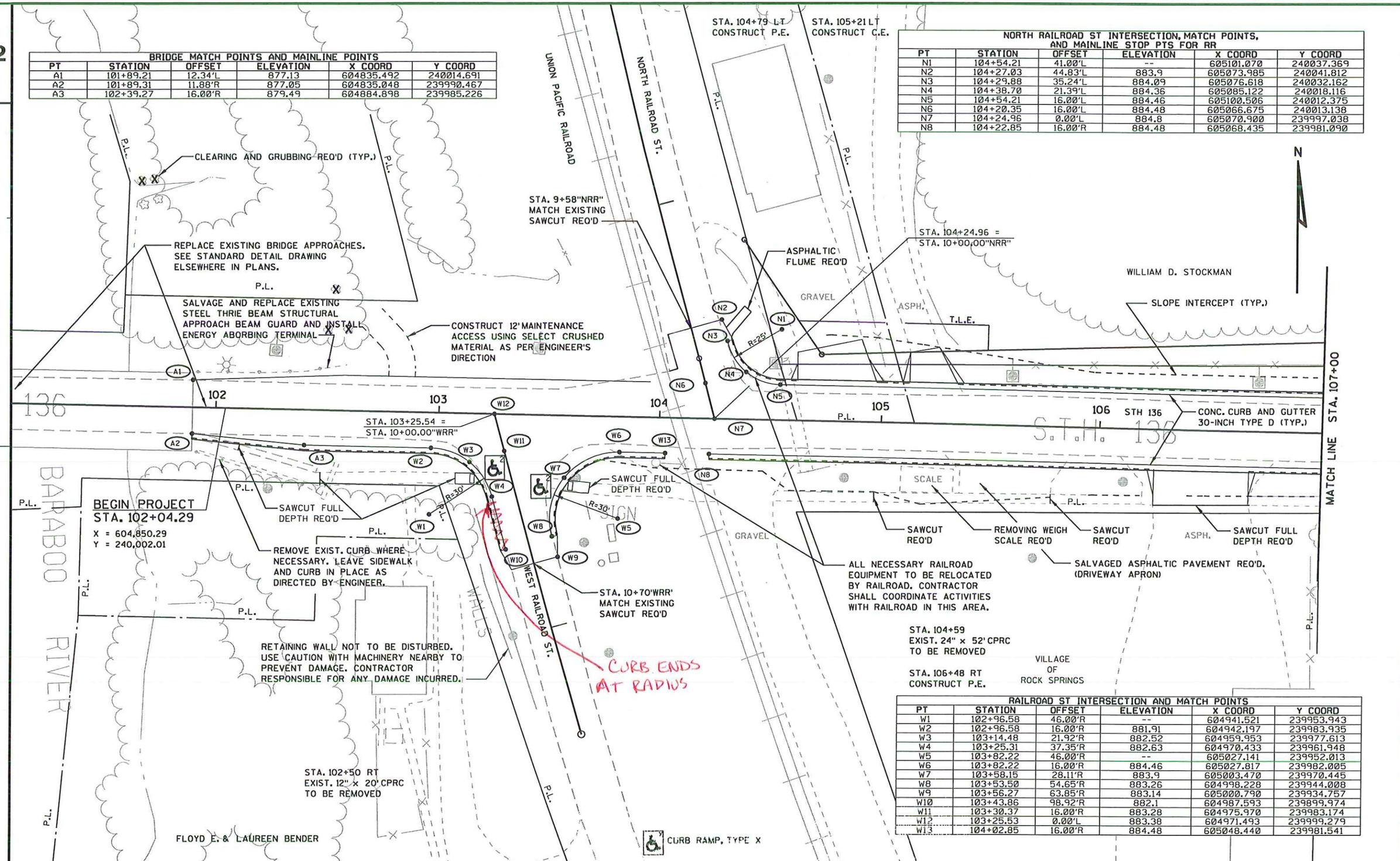
BRIDGE MATCH POINTS AND MAINLINE POINTS					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
A1	101+89.21	12.34'L	877.13	604835.492	240014.691
A2	101+89.31	11.88'R	877.05	604835.048	239990.467
A3	102+39.27	16.00'R	879.49	604884.898	239985.226

NORTH RAILROAD ST INTERSECTION, MATCH POINTS, AND MAINLINE STOP PTS FOR RR					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
N1	104+54.21	41.00'L	--	605101.070	240037.369
N2	104+27.03	44.83'L	883.9	605073.985	240041.812
N3	104+29.88	35.24'L	884.09	605076.618	240032.162
N4	104+38.70	21.39'L	884.36	605085.122	240018.116
N5	104+54.21	16.00'L	884.46	605100.506	240012.375
N6	104+20.35	16.00'L	884.48	605066.675	240013.138
N7	104+24.96	0.00'L	884.8	605070.900	239997.038
N8	104+22.85	16.00'R	884.48	605068.435	239981.090



RAILROAD ST INTERSECTION AND MATCH POINTS					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
W1	102+96.58	46.00'R	--	604941.521	239953.943
W2	102+96.58	16.00'R	881.91	604942.197	239983.935
W3	103+14.48	21.92'R	882.52	604959.953	239977.613
W4	103+25.31	37.35'R	882.63	604970.433	239961.948
W5	103+82.22	46.00'R	--	605027.141	239952.013
W6	103+82.22	16.00'R	884.46	605027.817	239982.005
W7	103+58.15	28.11'R	883.9	605003.470	239970.445
W8	103+53.50	54.65'R	883.26	604998.228	239944.008
W9	103+56.27	63.85'R	883.14	605000.790	239934.757
W10	103+43.86	98.92'R	882.1	604987.593	239899.974
W11	103+30.37	16.00'R	883.28	604975.970	239983.174
W12	103+25.53	0.00'L	883.38	604971.493	239999.279
W13	104+02.85	16.00'R	884.48	605048.440	239981.541

PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PLAN DETAIL	SHEET	E

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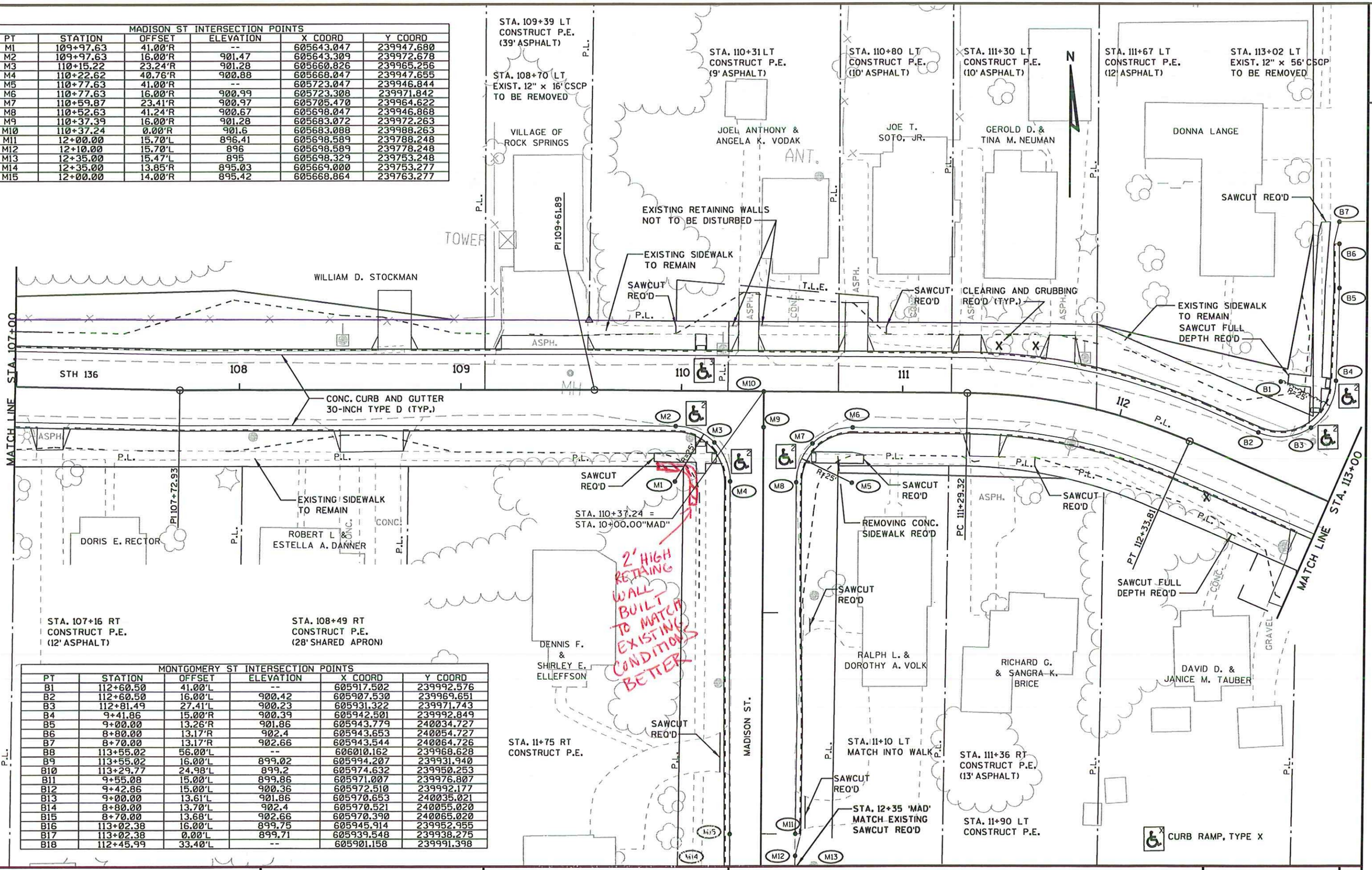
MADISON ST INTERSECTION POINTS					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
M1	109+97.63	41.00'R	--	605643.047	239947.680
M2	109+97.63	16.00'R	901.47	605643.309	239972.678
M3	110+15.22	23.24'R	901.28	605660.826	239965.256
M4	110+22.62	40.76'R	900.88	605668.047	239947.655
M5	110+77.63	41.00'R	--	605723.047	239946.844
M6	110+77.63	16.00'R	900.99	605723.308	239971.842
M7	110+59.87	23.41'R	900.97	605705.470	239964.622
M8	110+52.63	41.24'R	900.67	605698.047	239946.868
M9	110+37.39	16.00'R	901.28	605683.072	239972.263
M10	110+37.24	0.00'R	901.6	605683.088	239988.263
M11	12+00.00	15.70'L	896.41	605698.589	239788.248
M12	12+10.00	15.70'L	896	605698.589	239778.248
M13	12+35.00	15.47'L	895	605698.329	239753.248
M14	12+35.00	13.85'R	895.03	605669.000	239753.277
M15	12+00.00	14.00'R	895.42	605668.864	239763.277



MONTGOMERY ST INTERSECTION POINTS					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
B1	112+60.50	41.00'L	--	605917.502	239992.576
B2	112+60.50	16.00'L	900.42	605907.530	239969.651
B3	112+81.49	27.41'L	900.23	605931.322	239971.743
B4	9+41.86	15.00'R	900.39	605942.501	239992.849
B5	9+00.00	13.26'R	901.86	605943.779	240034.727
B6	8+80.00	13.17'R	902.4	605943.653	240054.727
B7	8+70.00	13.17'R	902.66	605943.544	240064.726
B8	113+55.02	56.00'L	--	606010.162	239968.628
B9	113+55.02	16.00'L	899.02	605994.207	239931.940
B10	113+29.77	24.98'L	899.2	605974.632	239950.253
B11	9+55.08	15.00'L	899.86	605971.007	239976.807
B12	9+42.86	15.00'L	900.36	605972.510	239992.177
B13	9+00.00	13.61'L	901.86	605970.653	240035.021
B14	8+80.00	13.70'L	902.4	605970.521	240055.020
B15	8+70.00	13.68'L	902.66	605970.390	240065.020
B16	113+02.38	16.00'L	899.75	605945.914	239952.955
B17	113+02.38	0.00'L	899.71	605939.548	239938.275
B18	112+45.99	33.40'L	--	605901.158	239991.398

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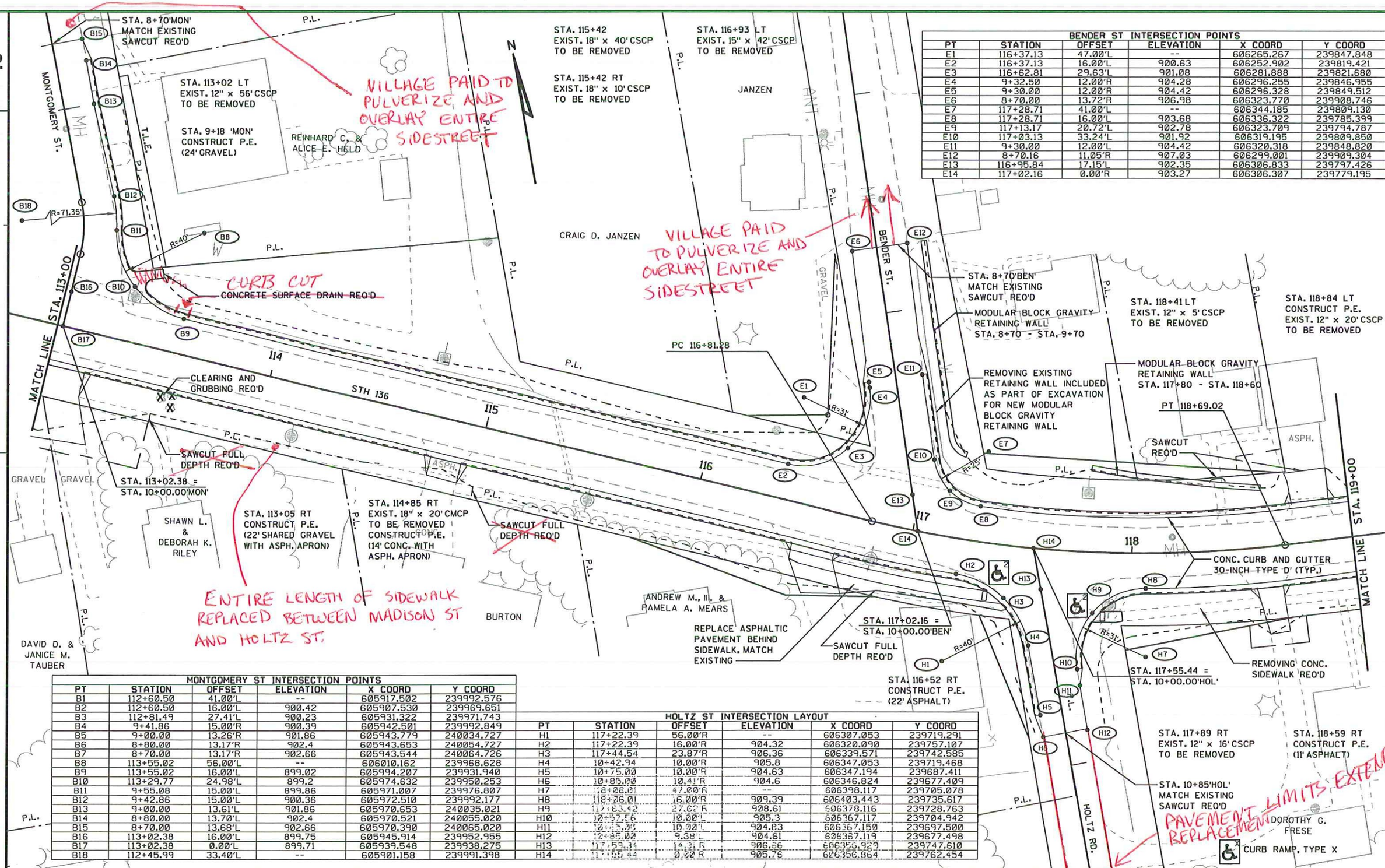
PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PLAN DETAIL	SHEET	E

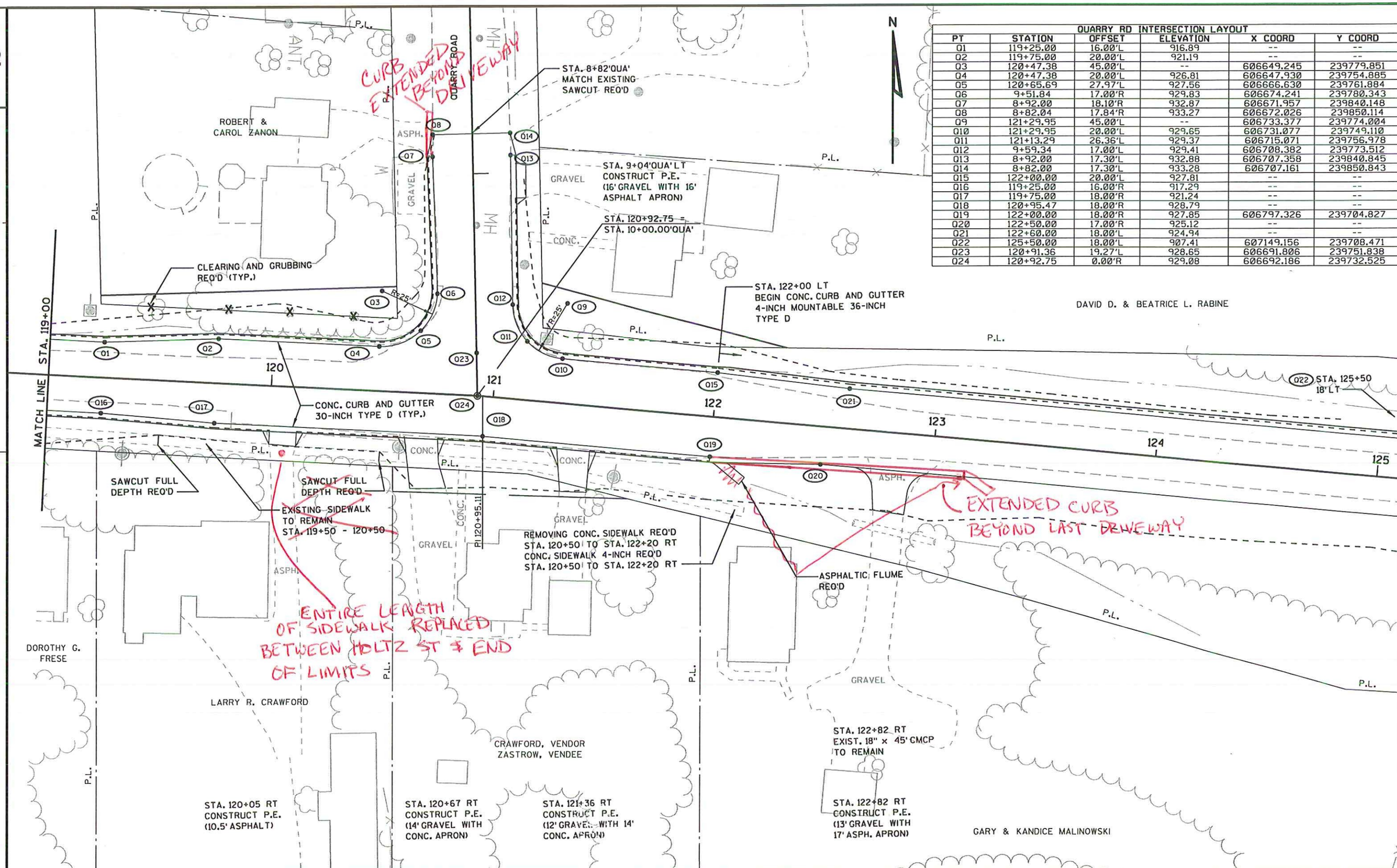


BENDER ST INTERSECTION POINTS					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
E1	116+37.13	47.00'L	--	606265.267	239847.848
E2	116+37.13	16.00'L	900.63	606252.902	239819.421
E3	116+62.81	29.63'L	901.08	606281.888	239821.680
E4	9+32.50	12.00'R	904.28	606296.255	239846.955
E5	9+30.00	12.00'R	904.42	606296.328	239849.512
E6	8+70.00	13.72'R	906.98	606323.770	239908.746
E7	117+28.71	41.00'L	--	606344.185	239809.130
E8	117+28.71	16.00'L	903.68	606336.322	239785.399
E9	117+13.17	20.72'L	902.78	606323.709	239794.787
E10	117+03.13	33.24'L	901.92	606319.195	239809.850
E11	9+30.00	12.00'L	904.42	606320.318	239848.820
E12	8+70.16	11.05'R	907.03	606299.001	239909.304
E13	116+95.84	17.15'L	902.35	606306.833	239797.426
E14	117+02.16	0.00'R	903.27	606306.307	239779.195

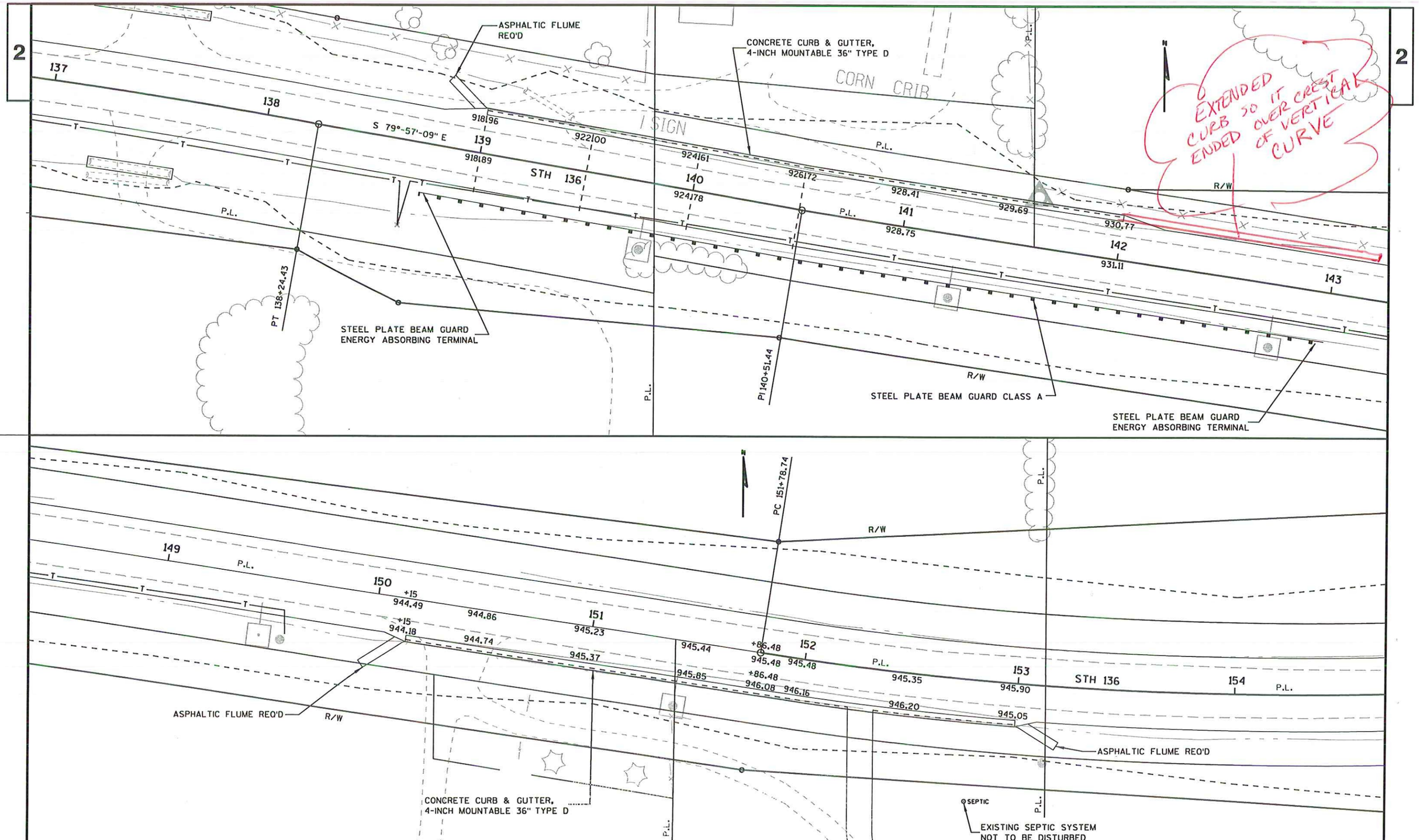
MONTGOMERY ST INTERSECTION POINTS					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
B1	112+60.50	41.00'L	--	605917.502	239992.576
B2	112+60.50	16.00'L	900.42	605907.530	239969.651
B3	112+81.49	27.41'L	900.23	605931.322	239971.743
B4	9+41.86	15.00'R	900.39	605942.501	239992.849
B5	9+00.00	13.26'R	901.86	605943.779	240034.727
B6	8+80.00	13.17'R	902.4	605943.653	240054.727
B7	8+70.00	13.17'R	902.66	605943.544	240064.726
B8	113+55.02	56.00'L	--	606010.162	239968.628
B9	113+55.02	16.00'L	899.02	605994.207	239931.940
B10	113+29.77	24.98'L	899.2	605974.632	239950.253
B11	9+55.08	15.00'L	899.86	605971.007	239976.807
B12	9+42.86	15.00'L	900.36	605972.510	239992.177
B13	9+00.00	13.61'L	901.86	605970.653	240035.021
B14	8+80.00	13.70'L	902.4	605970.521	240055.020
B15	8+70.00	13.68'L	902.66	605970.390	240065.020
B16	113+02.38	16.00'L	899.75	605945.914	239952.955
B17	113+02.38	0.00'L	899.71	605939.548	239938.275
B18	112+45.99	33.40'L	--	605901.158	239991.398

HOLTZ ST INTERSECTION LAYOUT					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
H1	117+22.39	56.00'R	--	606307.053	239719.291
H2	117+22.39	16.00'R	904.32	606320.090	239757.107
H3	117+44.54	23.87'R	906.36	606339.571	239742.585
H4	10+42.94	10.00'R	905.8	606347.053	239719.468
H5	10+75.00	10.00'R	904.63	606347.194	239687.411
H6	10+85.00	10.41'R	904.6	606346.824	239677.409
H7	118+06.01	47.00'R	--	606398.117	239705.078
H8	118+06.01	16.00'R	909.39	606403.443	239735.617
H9	117+83.42	27.62'R	908.61	606378.116	239728.763
H10	10+57.56	10.00'L	905.3	606367.117	239704.942
H11	10+55.00	10.00'L	904.83	606367.150	239697.500
H12	10+85.00	9.38'L	904.61	606367.119	239677.498
H13	117+53.34	14.31'R	906.86	606356.929	239747.610
H14	117+55.44	0.00'R	905.76	606356.864	239762.454

QUARRY RD INTERSECTION LAYOUT					
PT	STATION	OFFSET	ELEVATION	X COORD	Y COORD
Q1	119+25.00	16.00'L	916.89	--	--
Q2	119+75.00	20.00'L	921.19	--	--
Q3	120+47.38	45.00'L	--	606649.245	239779.851
Q4	120+47.38	20.00'L	926.81	606647.930	239754.885
Q5	120+65.69	27.97'L	927.56	606666.630	239761.884
Q6	9+51.84	17.00'R	929.83	606674.241	239780.343
Q7	8+92.00	18.10'R	932.87	606671.957	239840.148
Q8	8+82.04	17.84'R	933.27	606672.026	239850.114
Q9	121+29.95	45.00'L	--	606733.377	239774.004
Q10	121+29.95	20.00'L	929.65	606731.077	239749.110
Q11	121+13.29	26.36'L	929.37	606715.071	239756.978
Q12	9+59.34	17.00'L	929.41	606708.382	239773.512
Q13	8+92.00	17.30'L	932.88	606707.358	239840.845
Q14	8+82.00	17.30'L	933.28	606707.161	239850.843
Q15	122+00.00	20.00'L	927.81	--	--
Q16	119+25.00	16.00'R	917.29	--	--
Q17	119+75.00	18.00'R	921.24	--	--
Q18	120+95.47	18.00'R	928.79	--	--
Q19	122+00.00	18.00'R	927.85	606797.326	239704.827
Q20	122+50.00	17.00'R	925.12	--	--
Q21	122+60.00	18.00'L	924.94	--	--
Q22	125+50.00	18.00'L	907.41	607149.156	239708.471
Q23	120+91.36	19.27'L	928.65	606691.806	239751.838
Q24	120+92.75	0.00'R	929.08	606692.186	239732.525



PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PLAN DETAIL	SHEET	E



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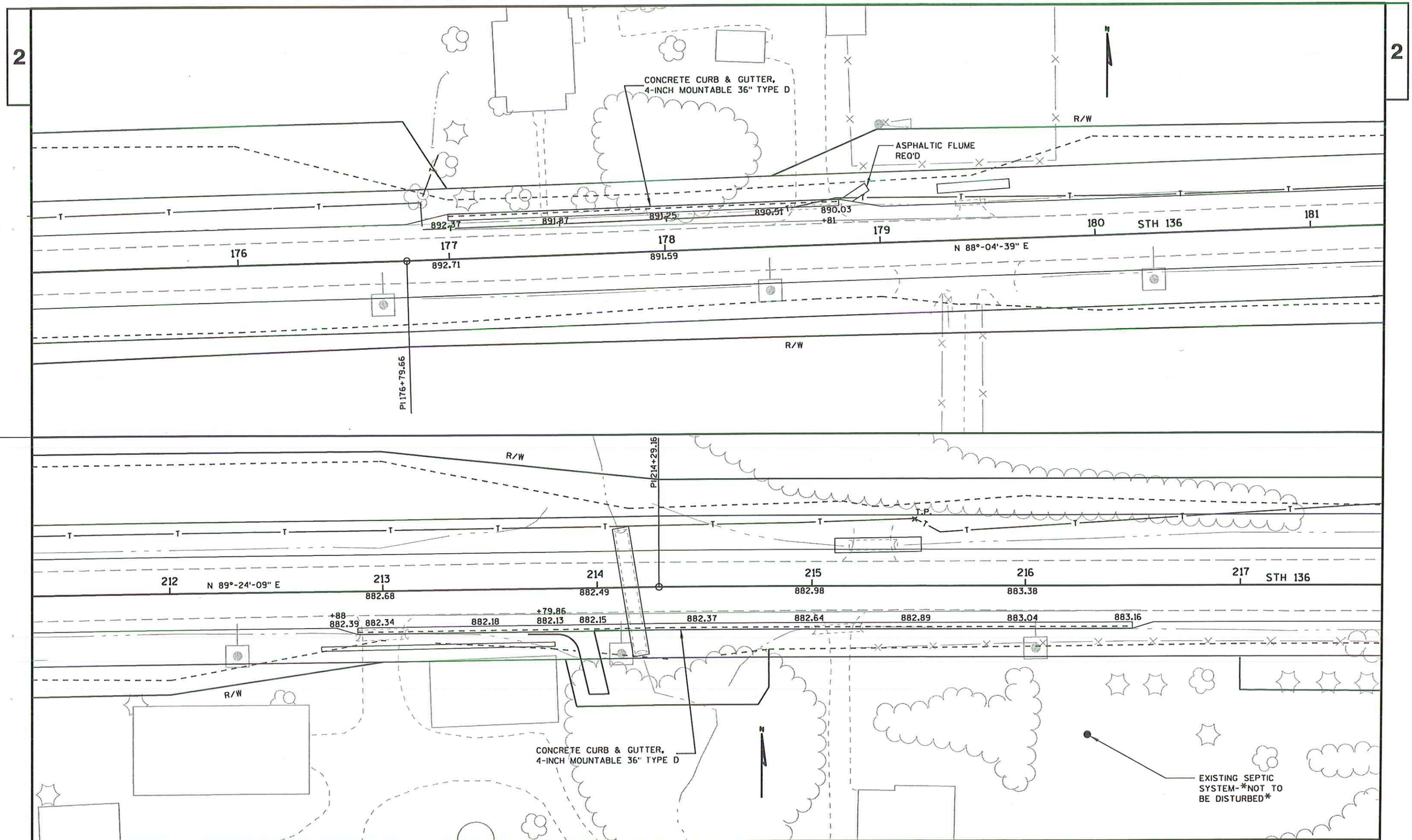
WISDOT/CADDS SHEET 42



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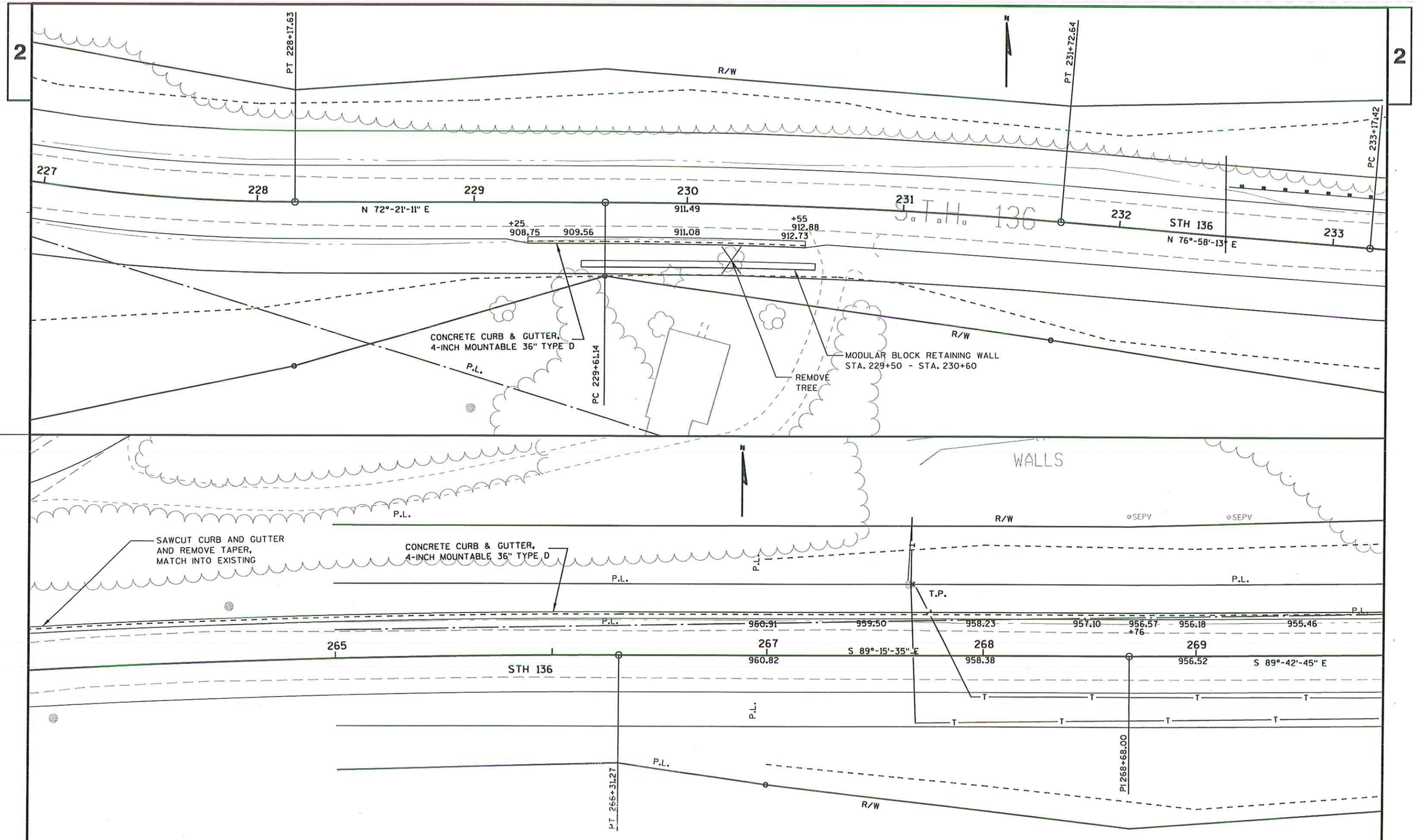

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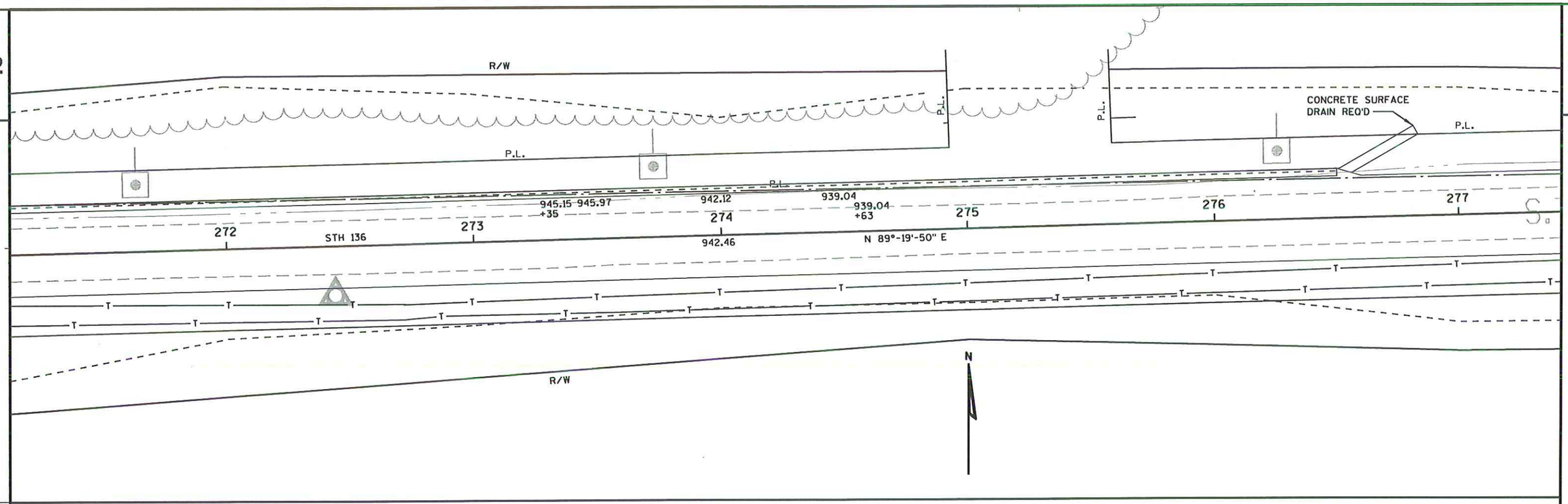

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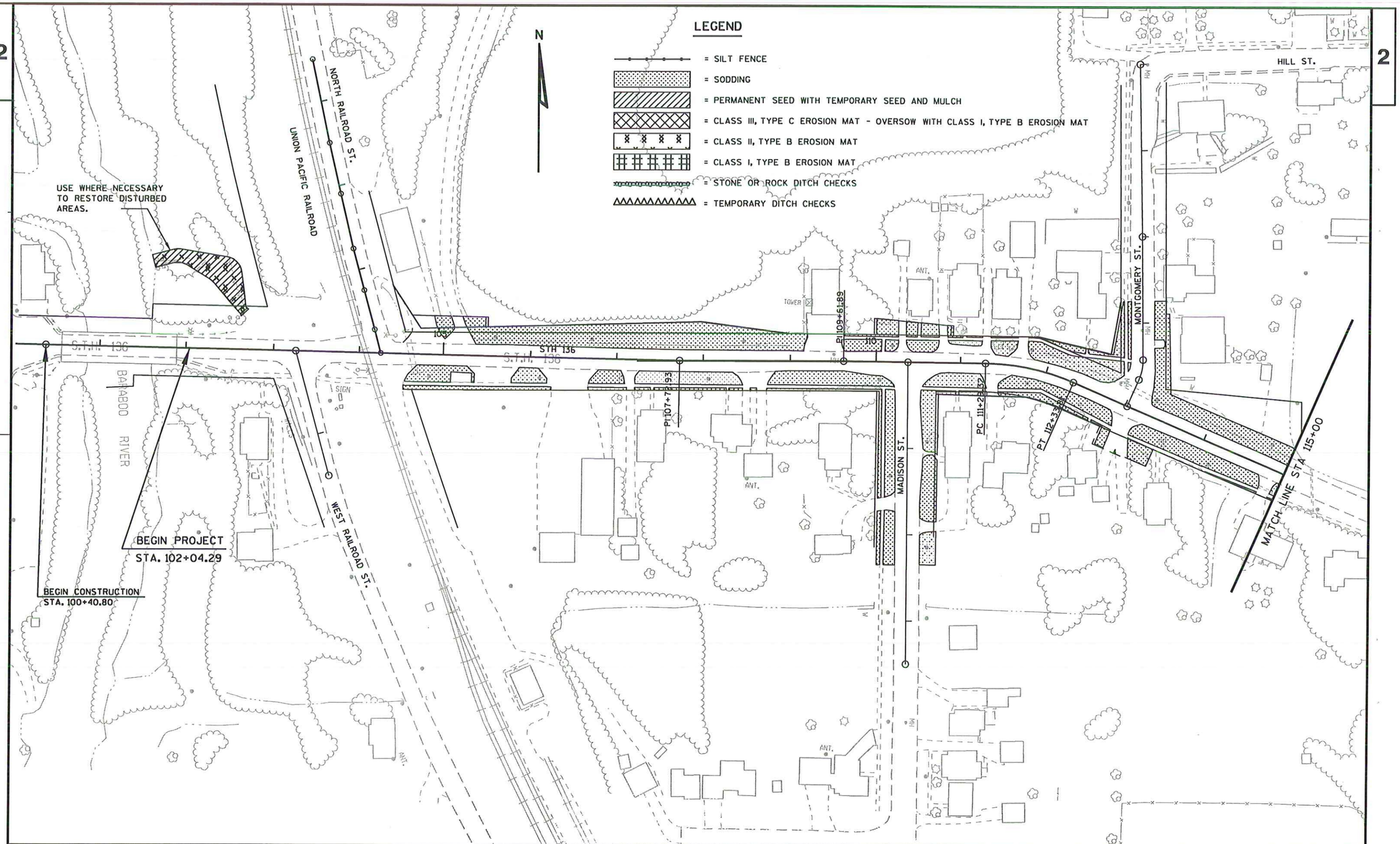

PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	EROSION CONTROL	SHEET	E

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N

LEGEND

- = SILT FENCE
- = SODDING
- = PERMANENT SEED WITH TEMPORARY SEED AND MULCH
- = CLASS III, TYPE C EROSION MAT - OVERSOW WITH CLASS I, TYPE B EROSION MAT
- = CLASS II, TYPE B EROSION MAT
- = CLASS I, TYPE B EROSION MAT
- = STONE OR ROCK DITCH CHECKS
- = TEMPORARY DITCH CHECKS

MATCH LINE STA. 115+00

BENDER ST.

QUARRY RD

HOLTZ ST.

PC 116+81.28

PI 118+69.02

PI 120+56.11

120

125

STA 125+50

STA 126+00

SILT FENCE REQUIRED (TYP.)

S.T.H. 136

MATCH LINE STA. 130+00

2

PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022002_ec.dgn PLOT DATE : 12-JUL-2007 07:03 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42

2

N

LEGEND

- = SILT FENCE
- = SODDING
- = PERMANENT SEED WITH TEMPORARY SEED AND MULCH
- = CLASS III, TYPE C EROSION MAT - OVERSOW WITH CLASS I, TYPE B EROSION MAT
- = CLASS II, TYPE B EROSION MAT
- = CLASS I, TYPE B EROSION MAT
- = STONE OR ROCK DITCH CHECKS
- = TEMPORARY DITCH CHECKS

MATCH LINE STA. 130+00

135

140

CORN CRIB

CORN CRIB

TANKS

WH

SILT FENCE REQUIRED (TYP.)

SILT FENCE REQUIRED (TYP.)

PC 134+69.47

PT 138+24.43

PI 140+51.4

STA. 145+00

MATCH LINE

EROSION MAT, CLASS III, TYPE C REQ'D

PERMANENT ROCK DITCH CHECKS

2

PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022003_ec.dgn PLOT DATE : 12-JUL-2007 07:03 PLOT BY : aotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS

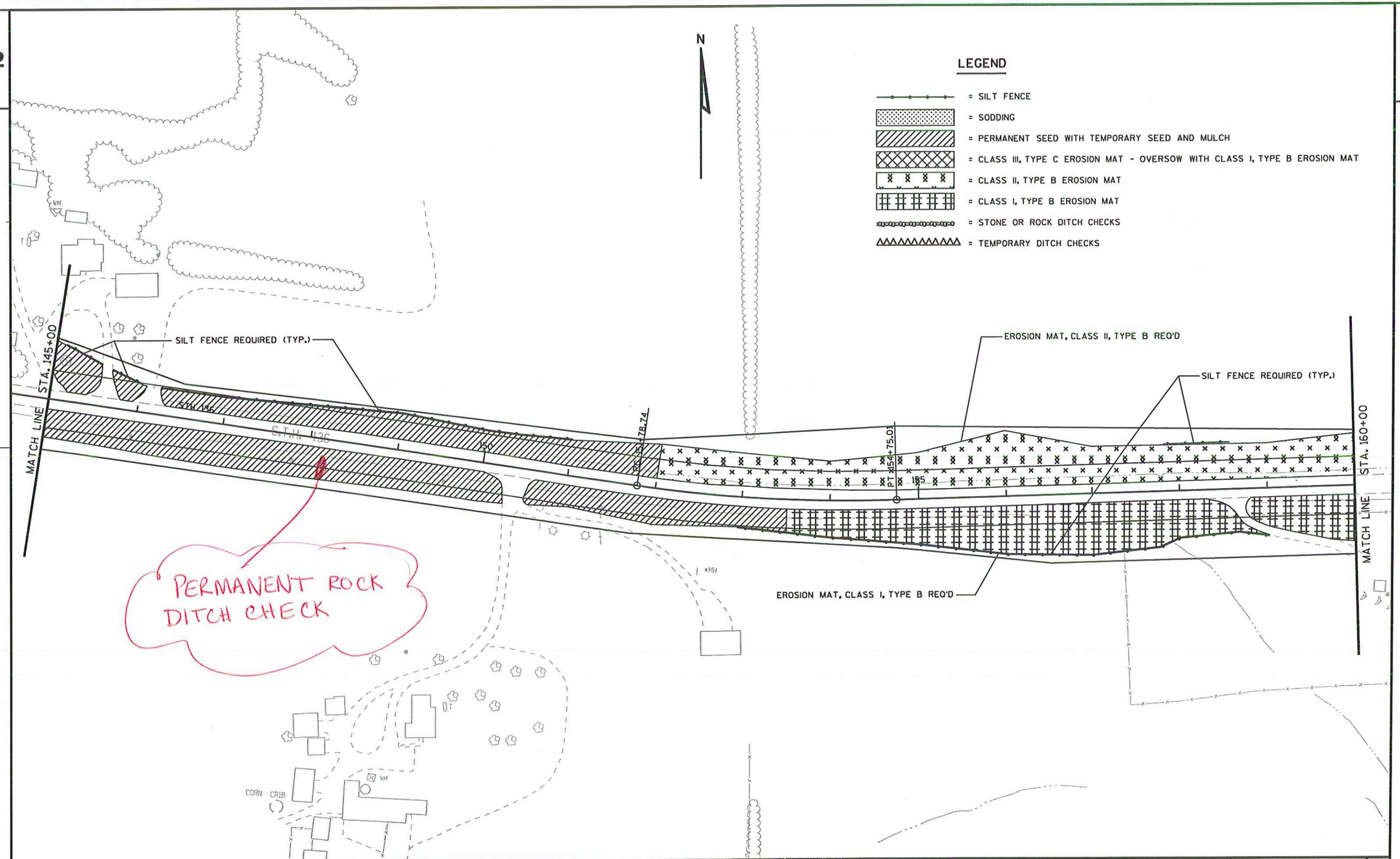
SHEET 42

2

N

LEGEND

- = SILT FENCE
- = SODDING
- = PERMANENT SEED WITH TEMPORARY SEED AND MULCH
- = CLASS III, TYPE C EROSION MAT - OVERSOW WITH CLASS I, TYPE B EROSION MAT
- = CLASS II, TYPE B EROSION MAT
- = CLASS I, TYPE B EROSION MAT
- = STONE OR ROCK DITCH CHECKS
- = TEMPORARY DITCH CHECKS



2

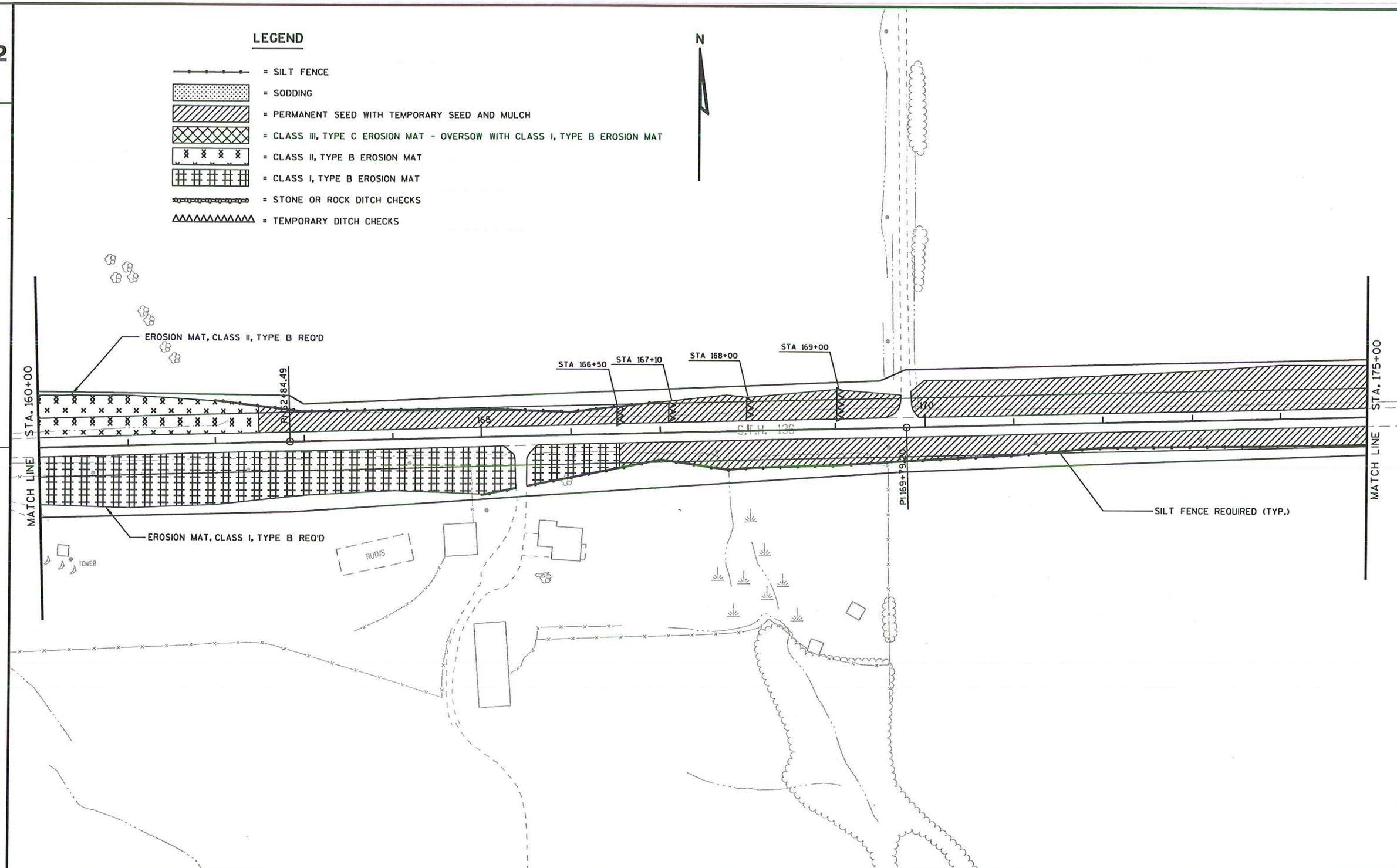
PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022004_ec.dgn PLOT DATE : 12-JUL-2007 07:03 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42

2

LEGEND

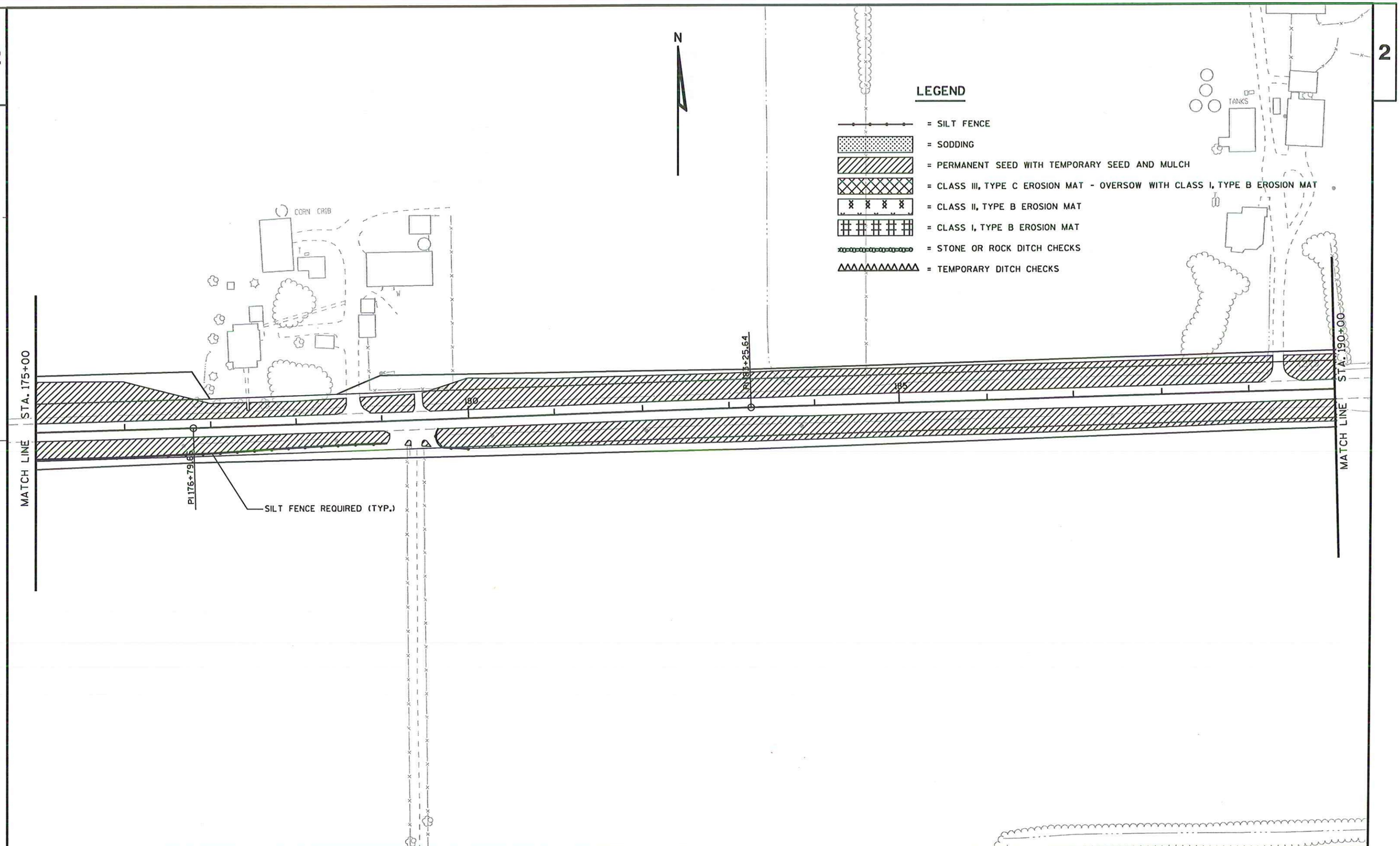
- = SILT FENCE
- = SODDING
- = PERMANENT SEED WITH TEMPORARY SEED AND MULCH
- = CLASS III, TYPE C EROSION MAT - OVERSOW WITH CLASS I, TYPE B EROSION MAT
- = CLASS II, TYPE B EROSION MAT
- = CLASS I, TYPE B EROSION MAT
- = STONE OR ROCK DITCH CHECKS
- = TEMPORARY DITCH CHECKS



2

PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	EROSION CONTROL	SHEET 42	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022005_ec.dgn PLOT DATE : 12-JUL-2007 07:03 PLOT BY : cotbcg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42



PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	EROSION CONTROL	SHEET	E

2

FOOTBRIDGE

TO ANT.

POOL

N

LEGEND

= SILT FENCE

= SODDING

= PERMANENT SEED WITH TEMPORARY SEED AND MULCH

= CLASS III, TYPE C EROSION MAT - OVERSOW WITH CLASS I, TYPE B EROSION MAT

= CLASS II, TYPE B EROSION MAT

= CLASS I, TYPE B EROSION MAT

= STONE OR ROCK DITCH CHECKS

= TEMPORARY DITCH CHECKS

STA. 190+00

MATCH LINE

STA 192+00

STA 194+00

STA 195+00

S.T.H. 136

PC 191+83.59

PT 194+44.02

PT 200+61.21

200

SILT FENCE REQUIRED (TYP.)

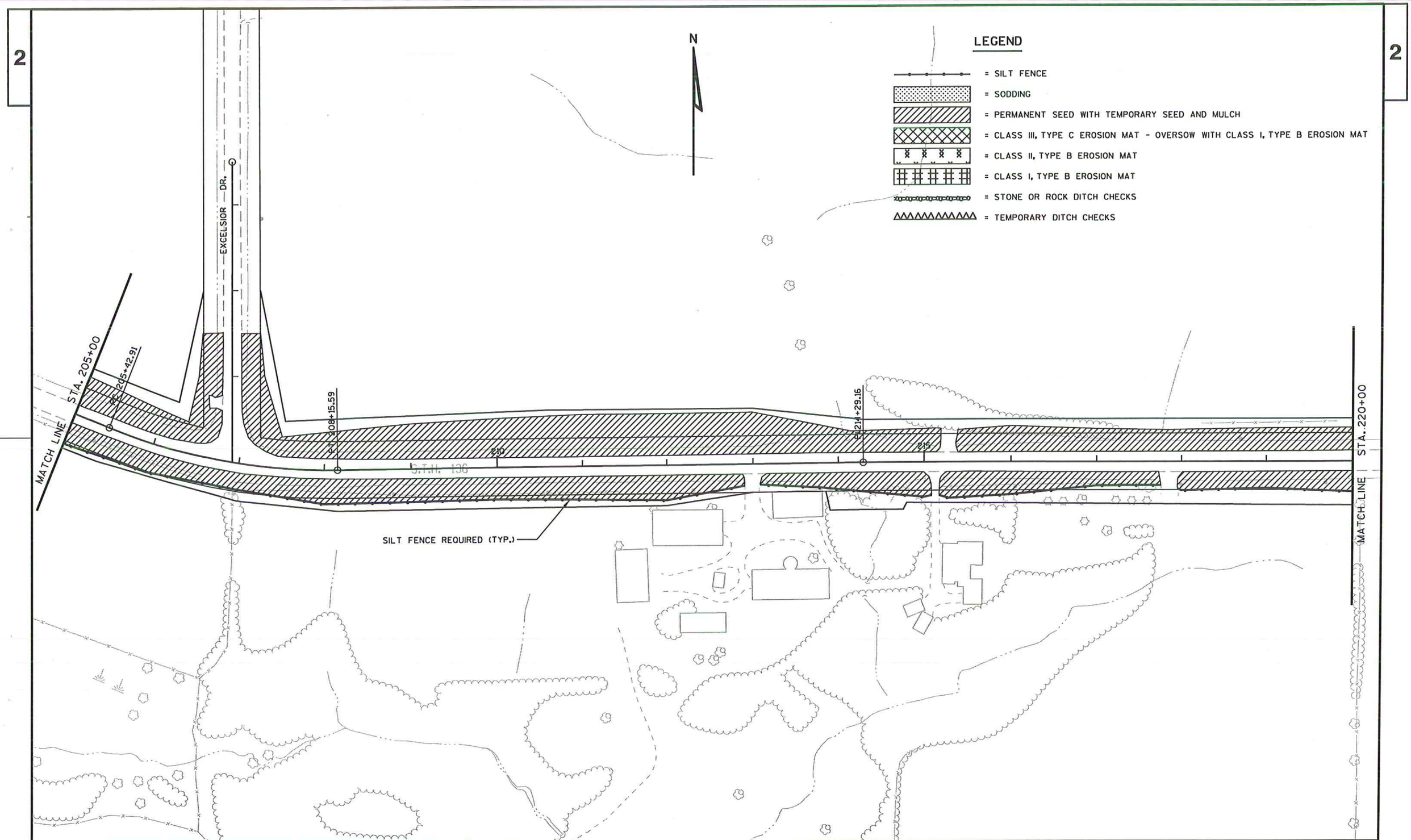
STA. 205+00

MATCH LINE

2

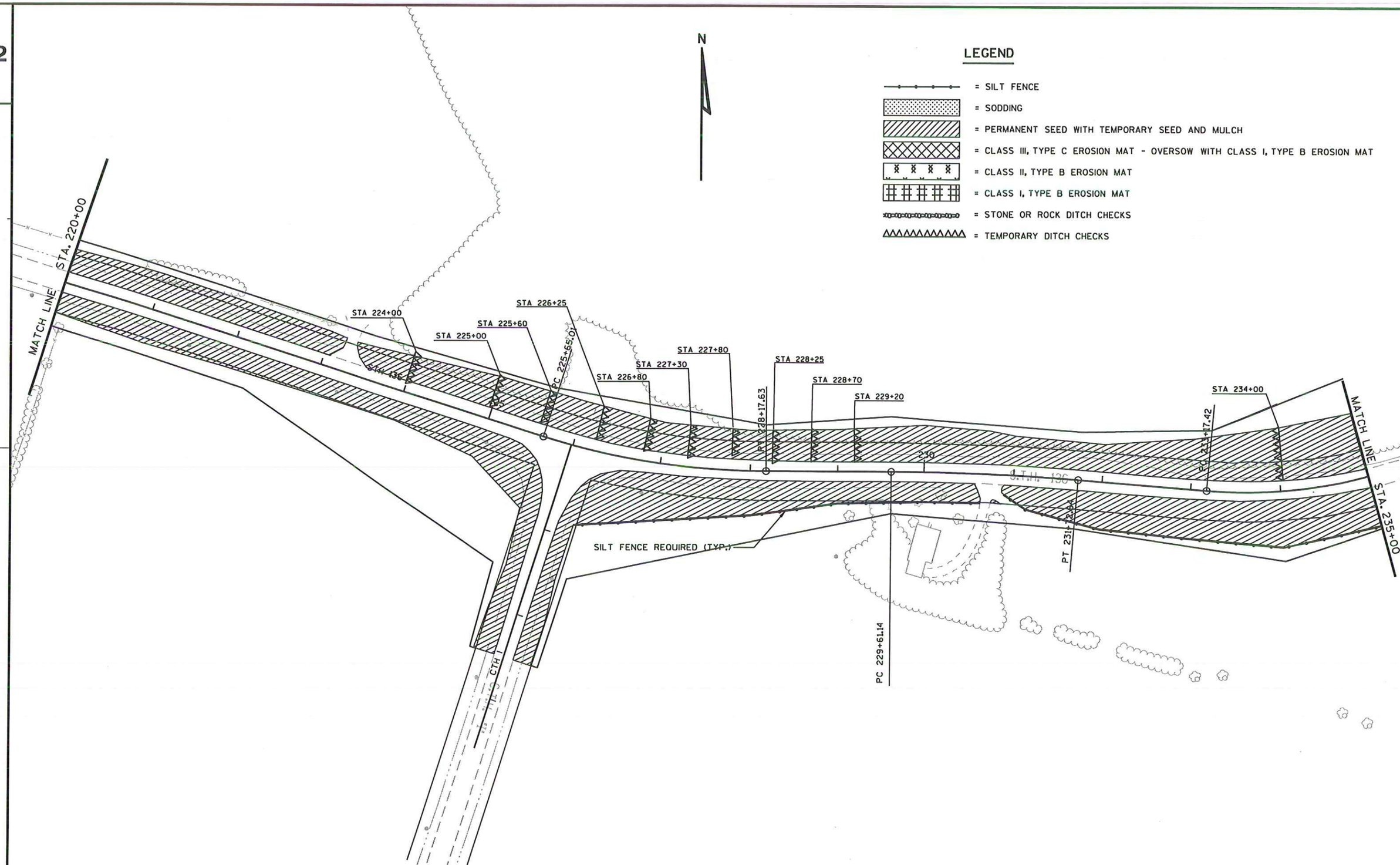
PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022007_ec.dgn PLOT DATE : 22-JUL-2007 07:03 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS



PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022008_ec.dgn PLOT DATE : 12-JUL-2007 07:03 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42



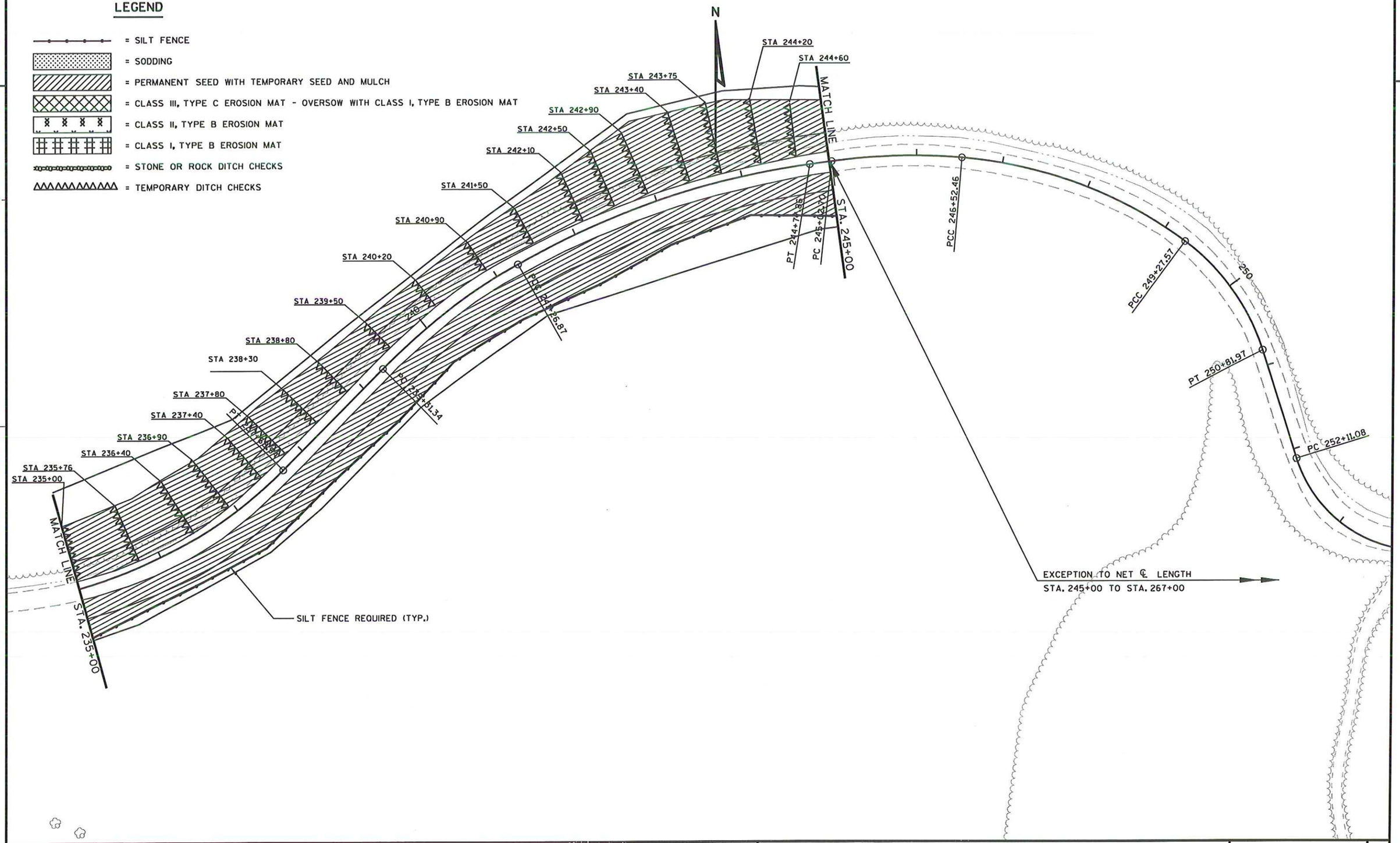
PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022009_ec.dgn PLOT DATE : 12-04-2007 07:03 PLOT BY : gotbog PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42

2

LEGEND

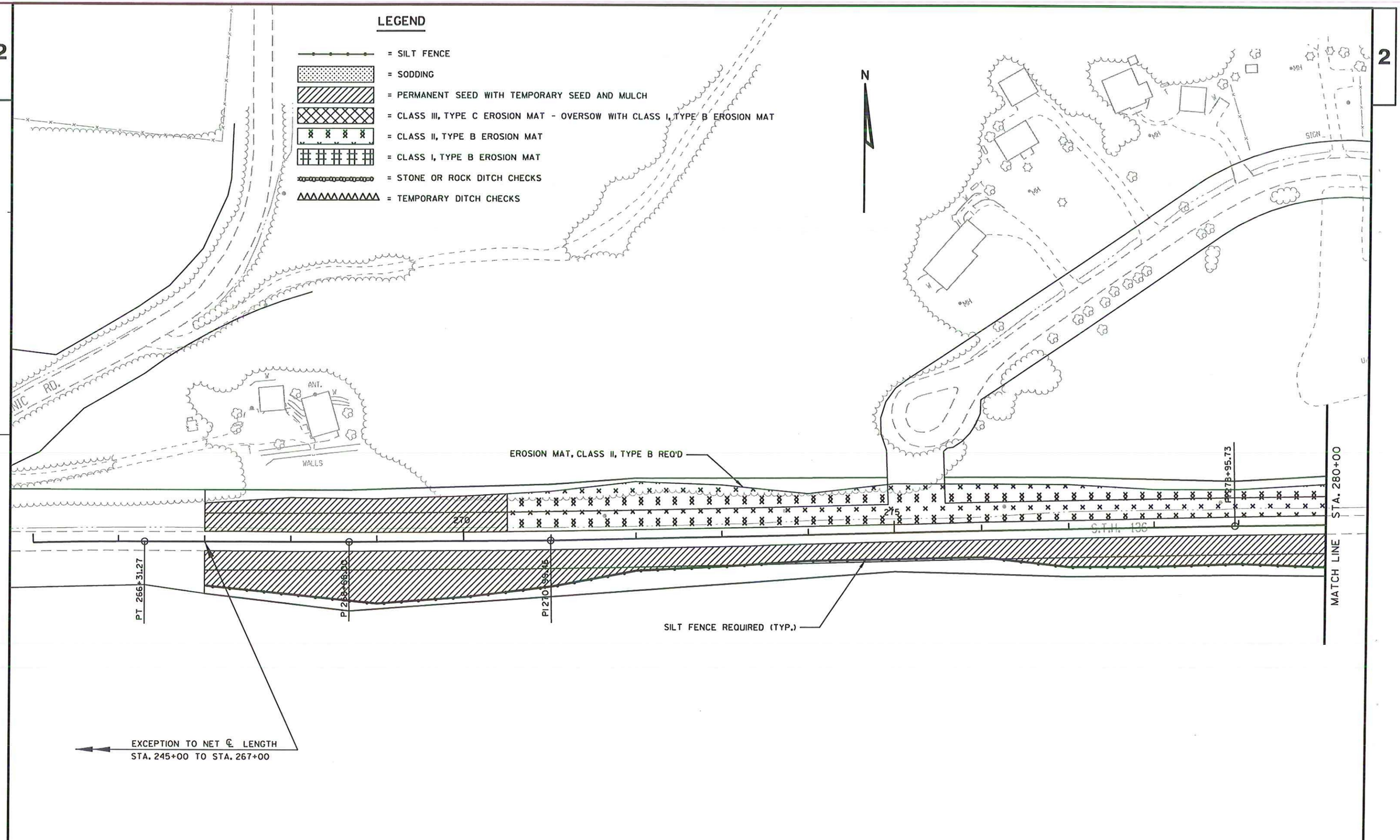
- = SILT FENCE
- = SODDING
- = PERMANENT SEED WITH TEMPORARY SEED AND MULCH
- = CLASS III, TYPE C EROSION MAT - OVERSOW WITH CLASS I, TYPE B EROSION MAT
- = CLASS II, TYPE B EROSION MAT
- = CLASS I, TYPE B EROSION MAT
- = STONE OR ROCK DITCH CHECKS
- = TEMPORARY DITCH CHECKS



2

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022010_ec.dgn PLOT DATE : 12-JUL-2007 07:03 PLOT BY : dotbtg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42



PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022011_ec.dgn PLOT DATE : 22-JUL-2007 07:03 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000

2

N

SIGN

U/C

MATCHES EXISTING @ 7+82

STA. 290+79.7908 =
STA. 10+00.00"BEL"

EROSION MAT, CLASS II, TYPE B REQ'D

STA. 280+00

MATCH LINE

285

290

PI 284+94.00

PI 288+03.29

PI 290+79.79

PI 293+74.92

SILT FENCE REQUIRED (TYP.)

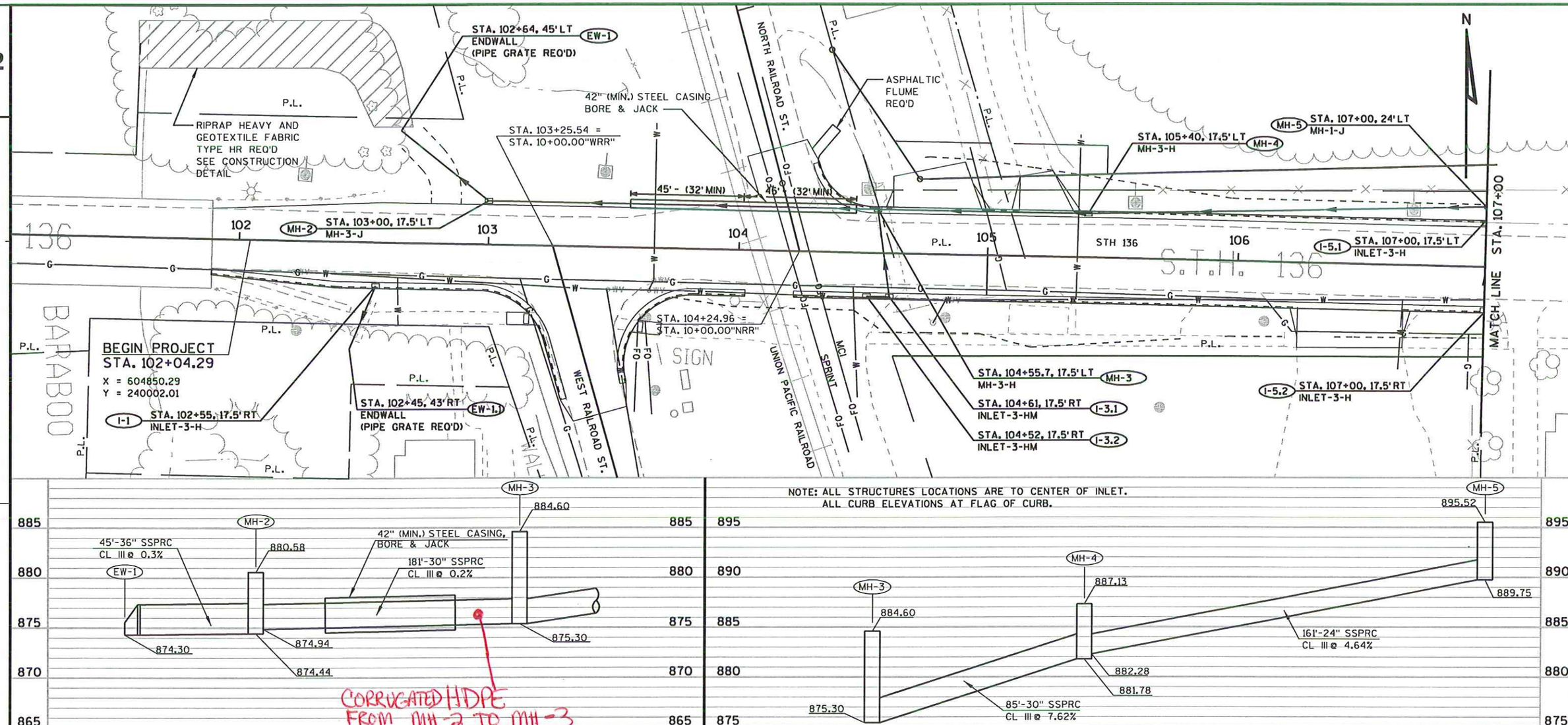
END PROJECT
STA. 292+91.50

LEGEND

- = SILT FENCE
- = SODDING
- = PERMANENT SEED WITH TEMPORARY SEED AND MULCH
- = CLASS III, TYPE C EROSION MAT - OVERSOW WITH CLASS I, TYPE B EROSION MAT
- = CLASS II, TYPE B EROSION MAT
- = CLASS I, TYPE B EROSION MAT
- = STONE OR ROCK DITCH CHECKS
- = TEMPORARY DITCH CHECKS

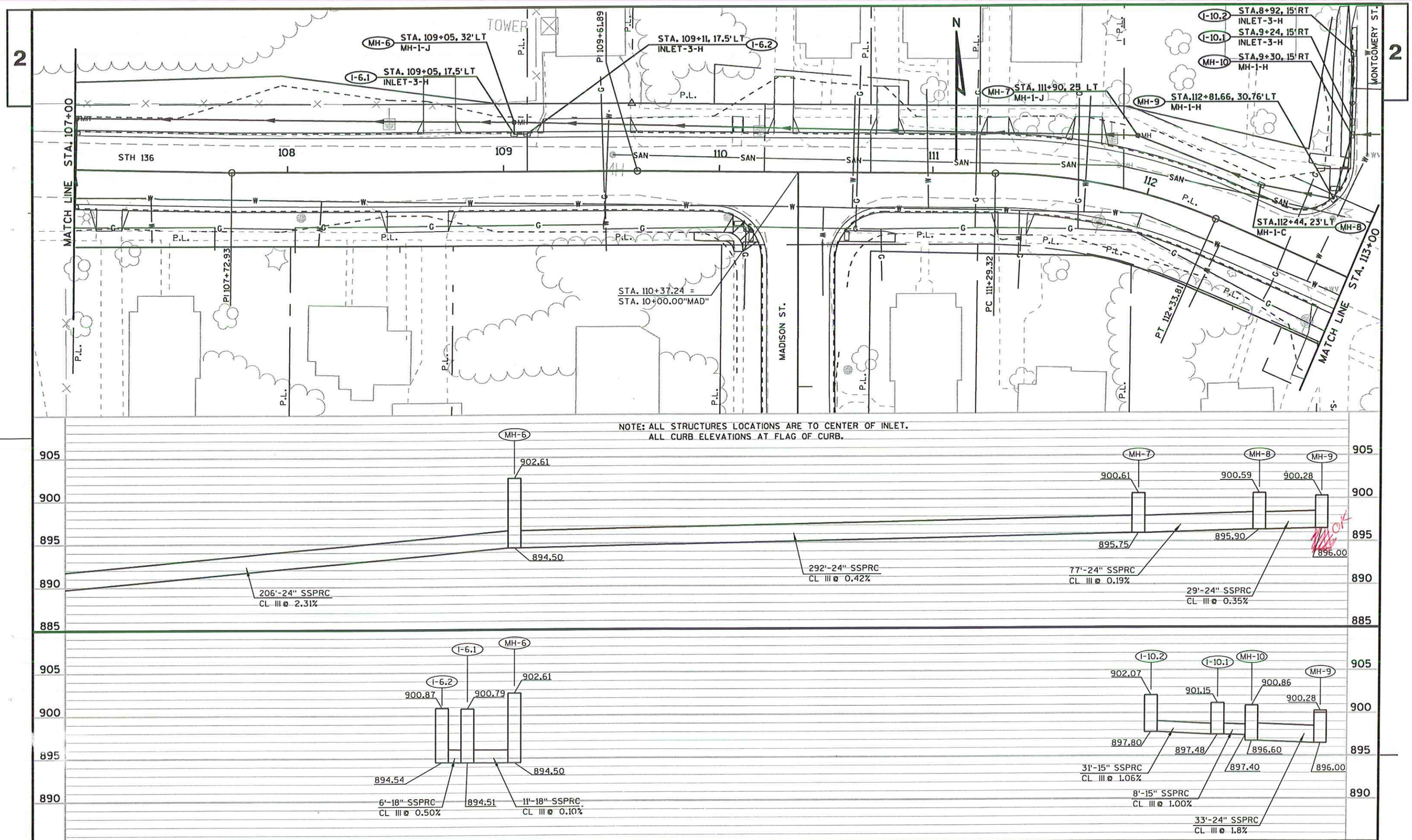
PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	EROSION CONTROL	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022012_ec.dgn PLOT DATE : 12-JUL-2007 07:04 PLOT BY : dotbog PLOT NAME : PLOT SCALE : 100.000000:1.000000

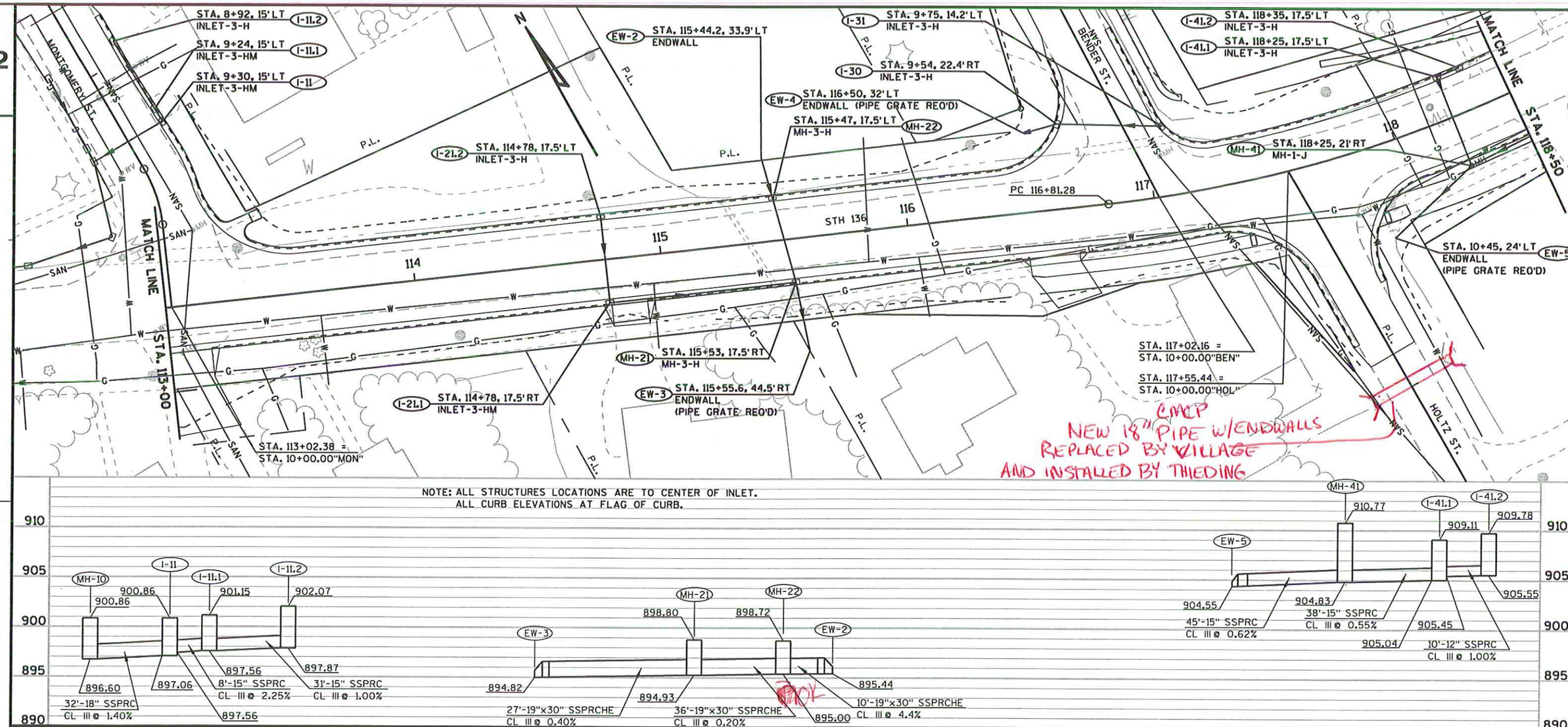


NOTE: ALL STRUCTURES LOCATIONS ARE TO CENTER OF INLET.
ALL CURB ELEVATIONS AT FLAG OF CURB.

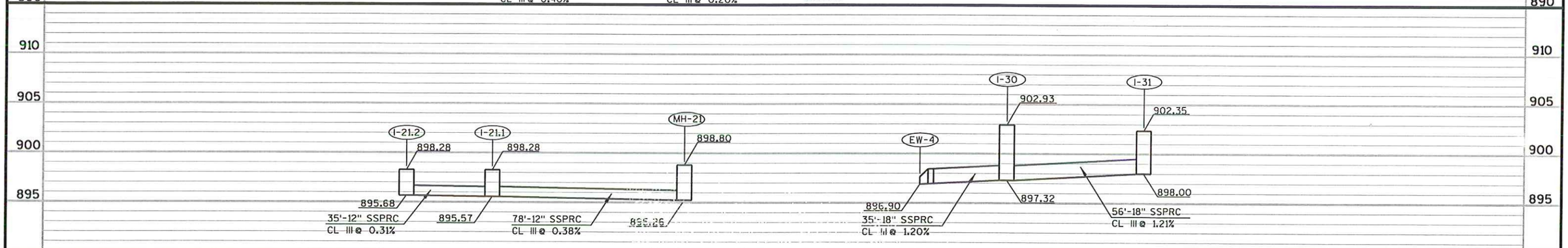
PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	STORM SEWER	SHEET	E



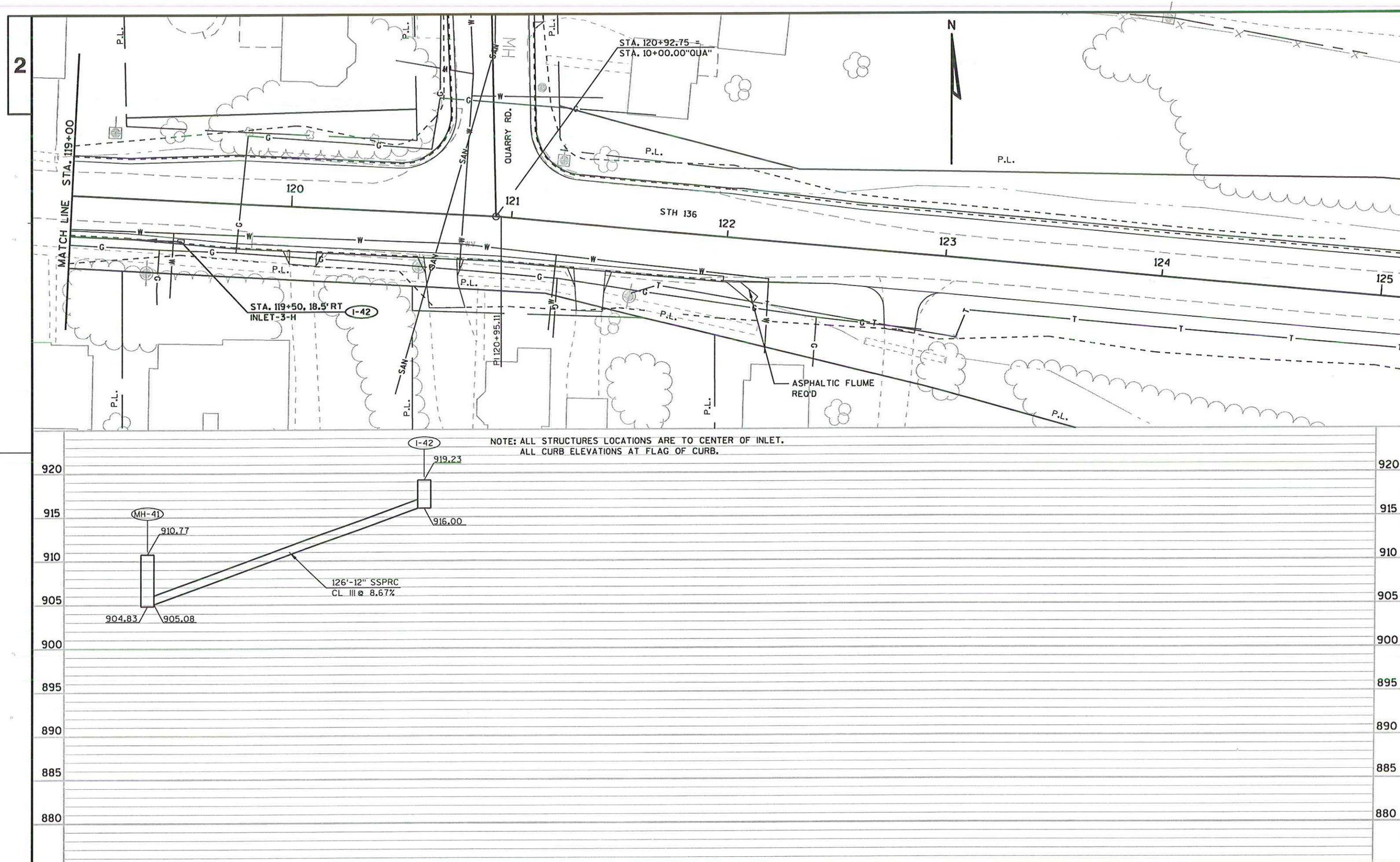
PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	STORM SEWER	SHEET	E



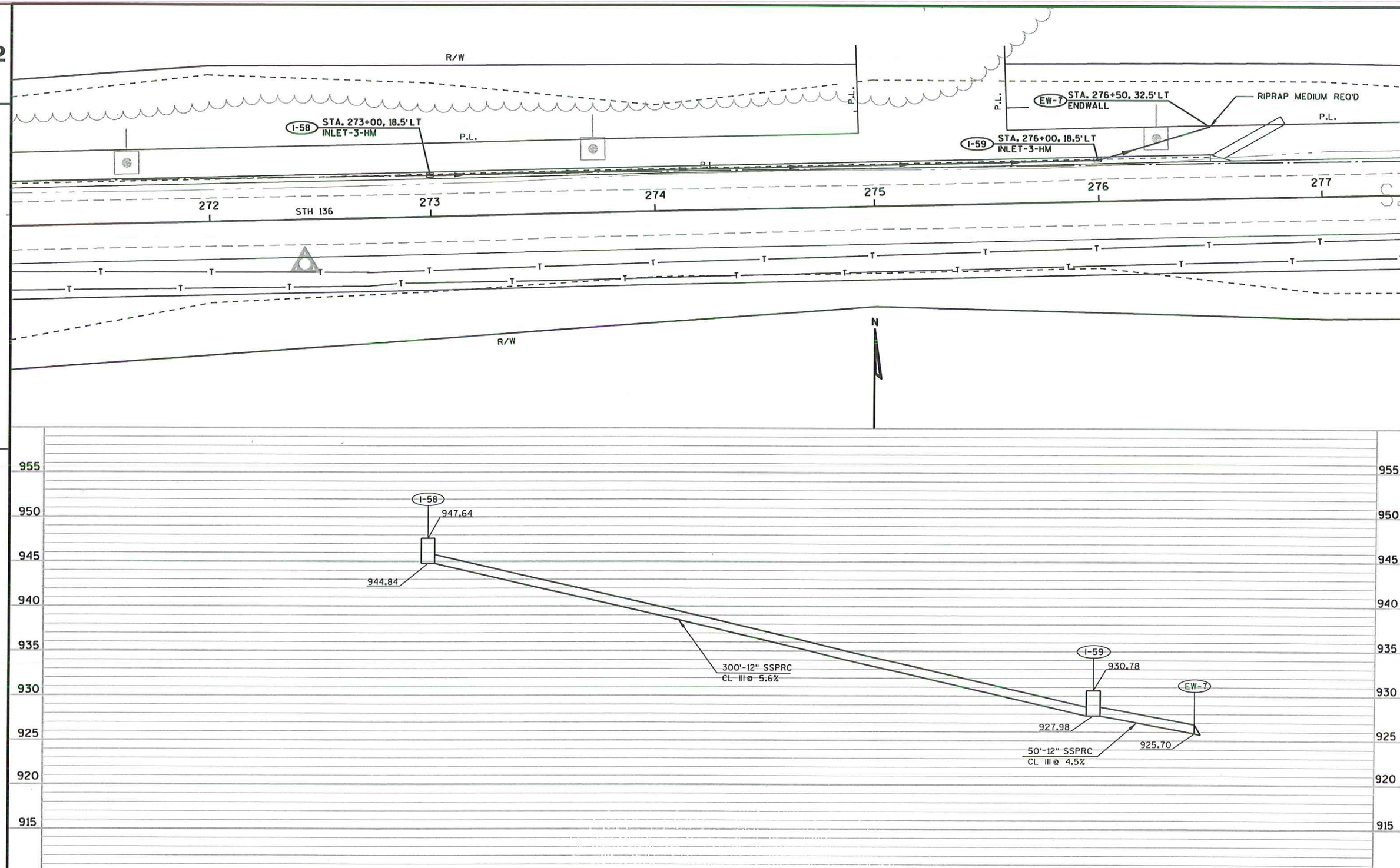
NOTE: ALL STRUCTURES LOCATIONS ARE TO CENTER OF INLET.
ALL CURB ELEVATIONS AT FLAG OF CURB.



PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	STORM SEWER	SHEET	E

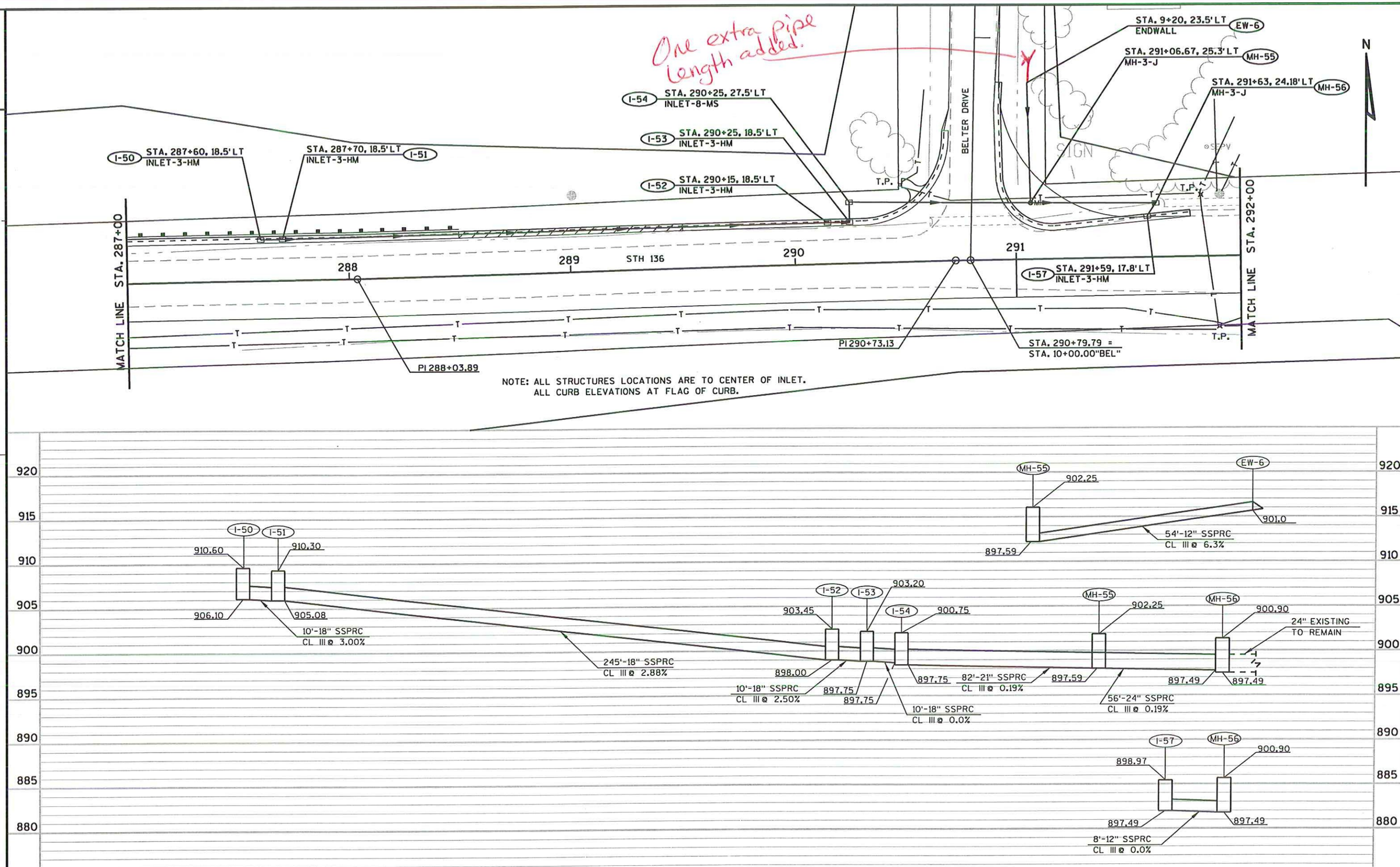


PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	STORM SEWER	SHEET	E



PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	STORM SEWER	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022505_ss.dgn PLOT DATE : 12-JUL-2007 07:04 PLOT BY : coxbog PLOT NAME : PLOT SCALE : 40.000000:1.000000 WISDOT/CADDS



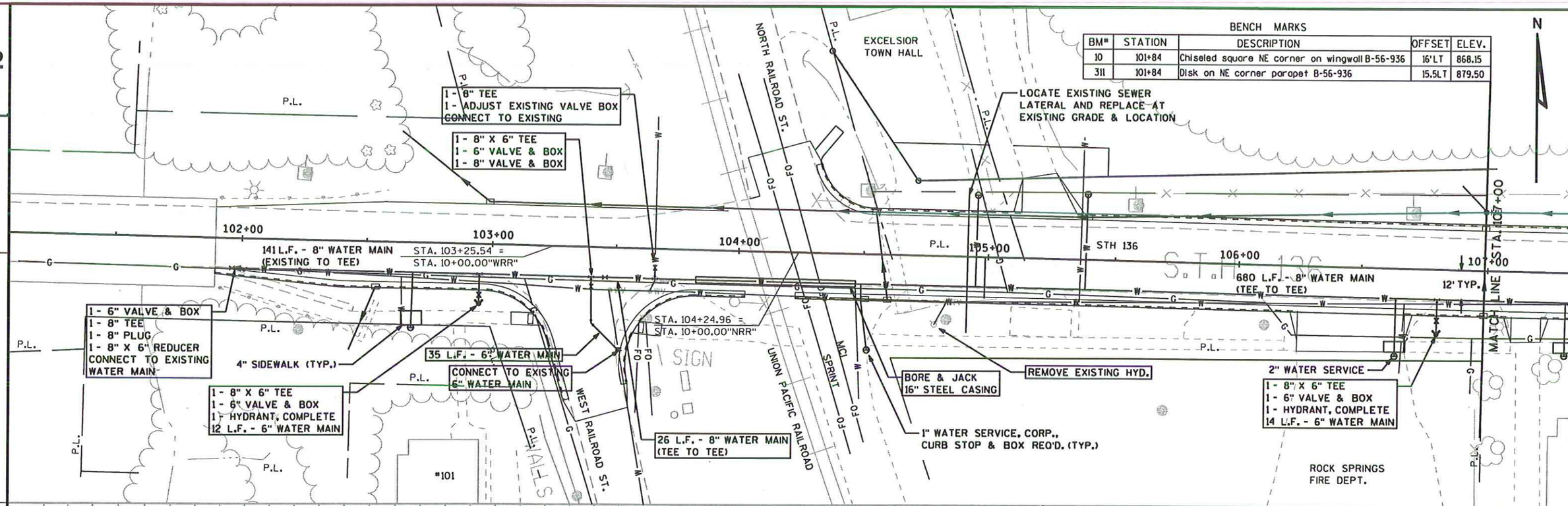
PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	STORM SEWER	SHEET	E

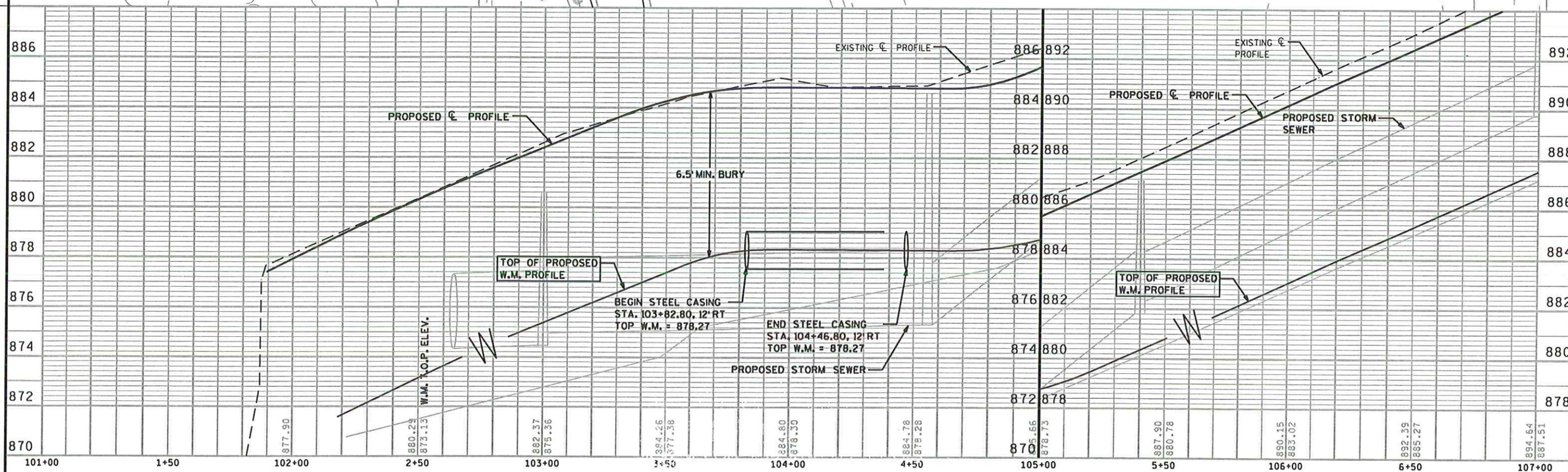
FILE NAME : r:\Support\CADDS\Projects\d1_55730401\022506_ss.dgn PLOT DATE : 12-JUL-2007 07:04 PLOT BY : dotbog PLOT NAME : PLOT SCALE : 40.000000:1.000000 WISDOT/CADDS SHEET 41

2

BENCH MARKS

BM#	STATION	DESCRIPTION	OFFSET	ELEV.
10	101+84	Chiseled square NE corner on wingwall B-56-936	16'LT	868.15
311	101+84	Disk on NE corner parapet B-56-936	15.5LT	879.50



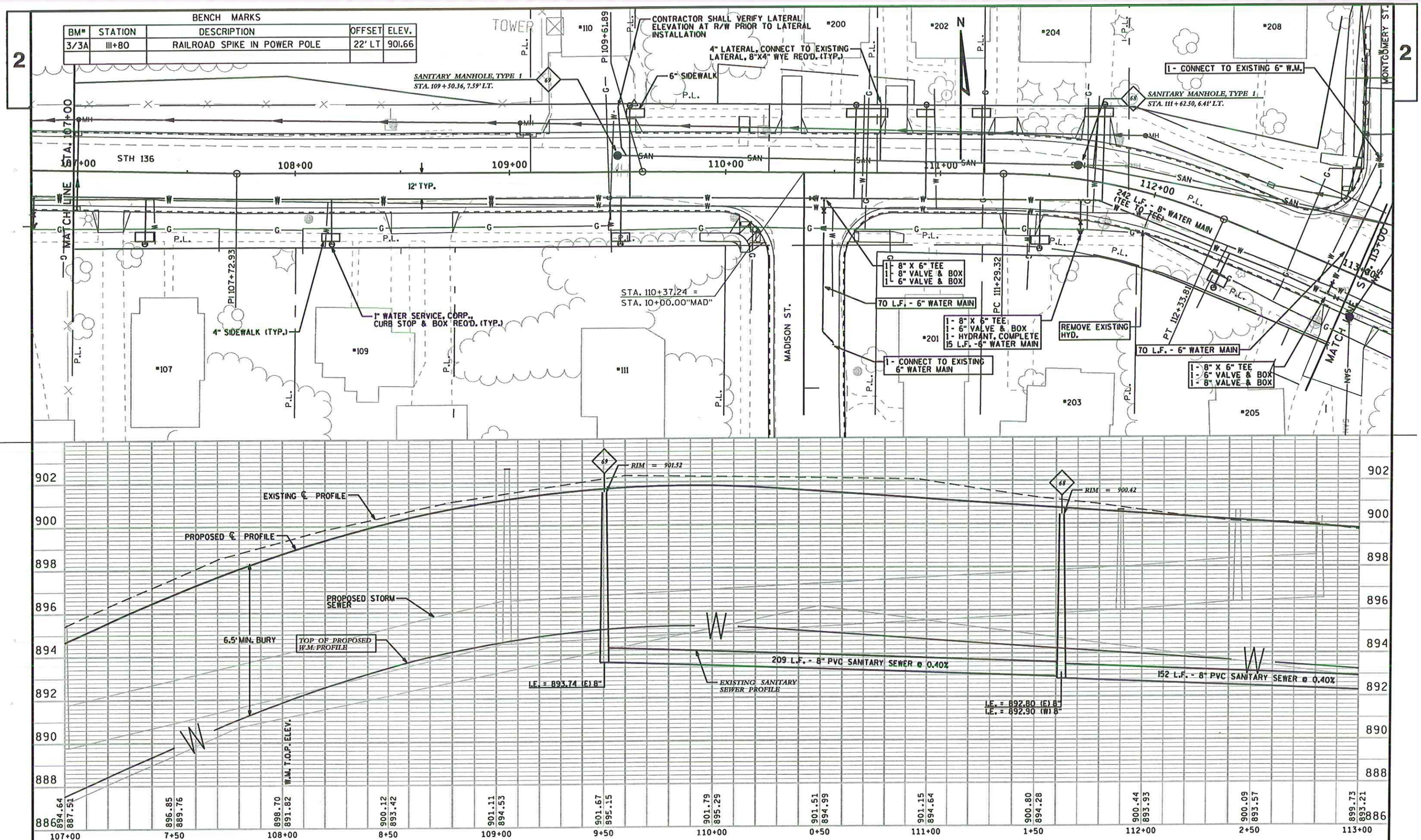


PROJECT NO: 5573-04-82	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023001_ip.dgn PLOT DATE : 12-JUL-2007 07:04 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 40.000000:1.000000 WISDOT/CADDS SHEET 410

BENCH MARKS

BM#	STATION	DESCRIPTION	OFFSET	ELEV.
3/3A	111+80	RAILROAD SPIKE IN POWER POLE	22' LT	901.66

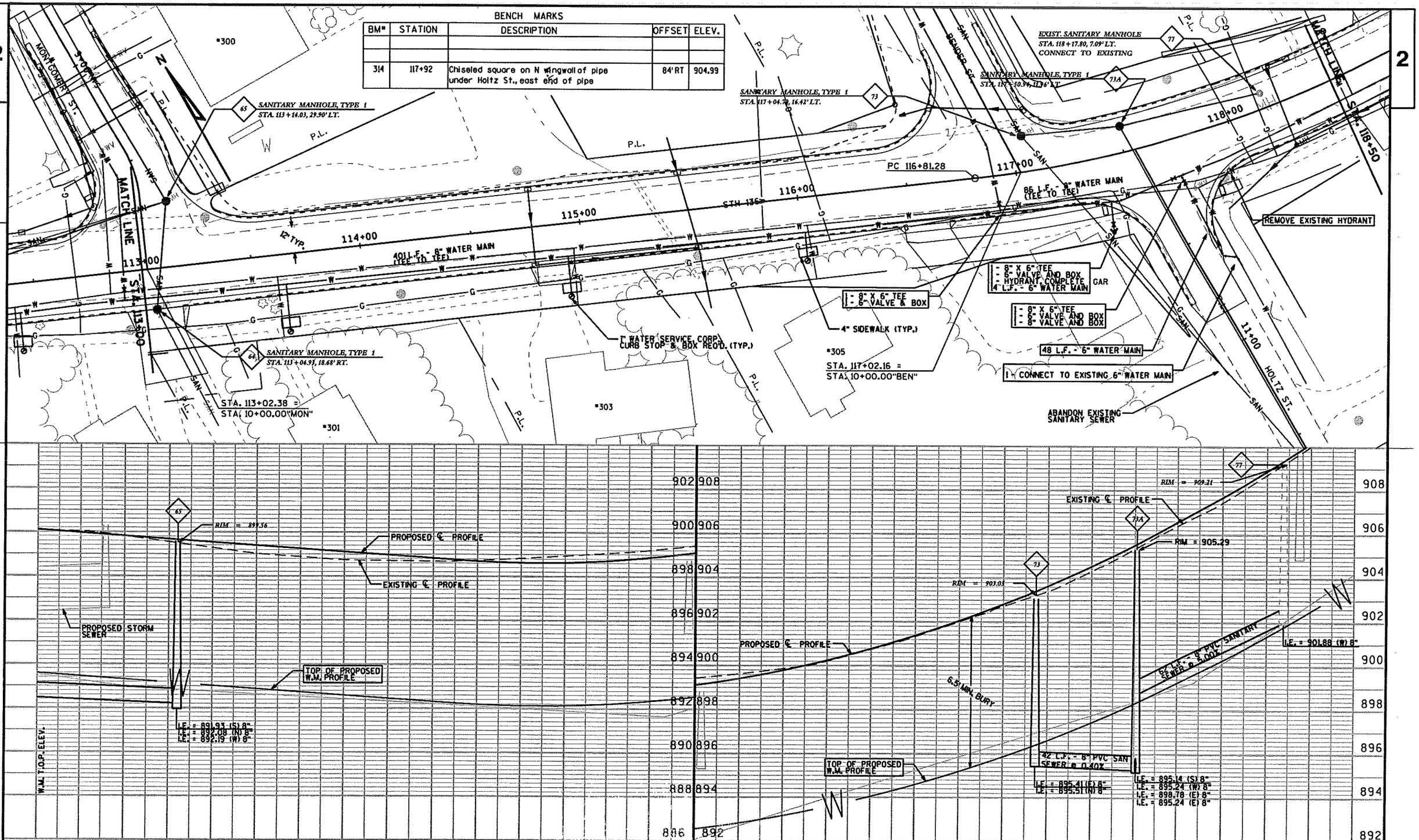


PROJECT NO: 5573-04-82	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER	SHEET	E

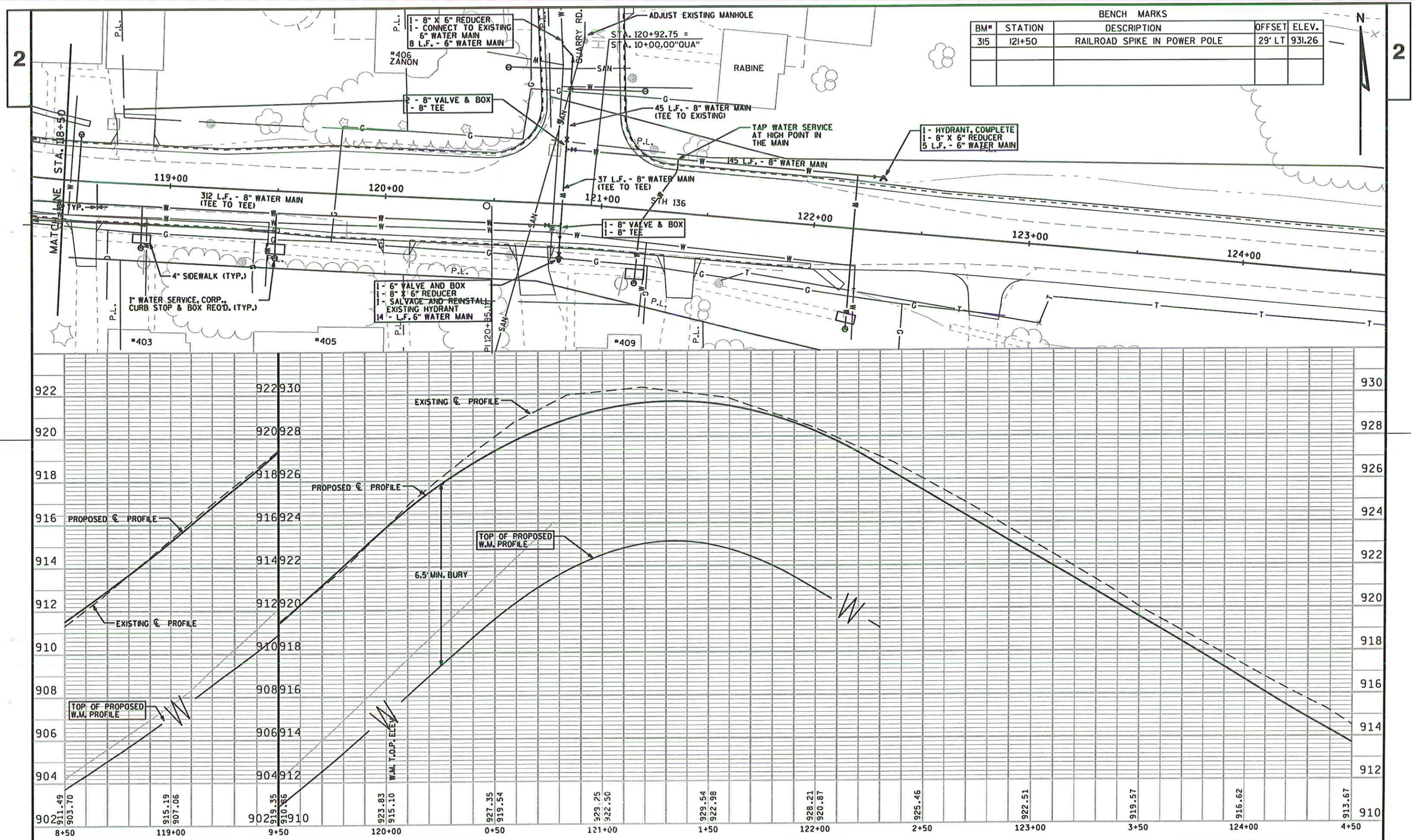
2

BENCH MARKS

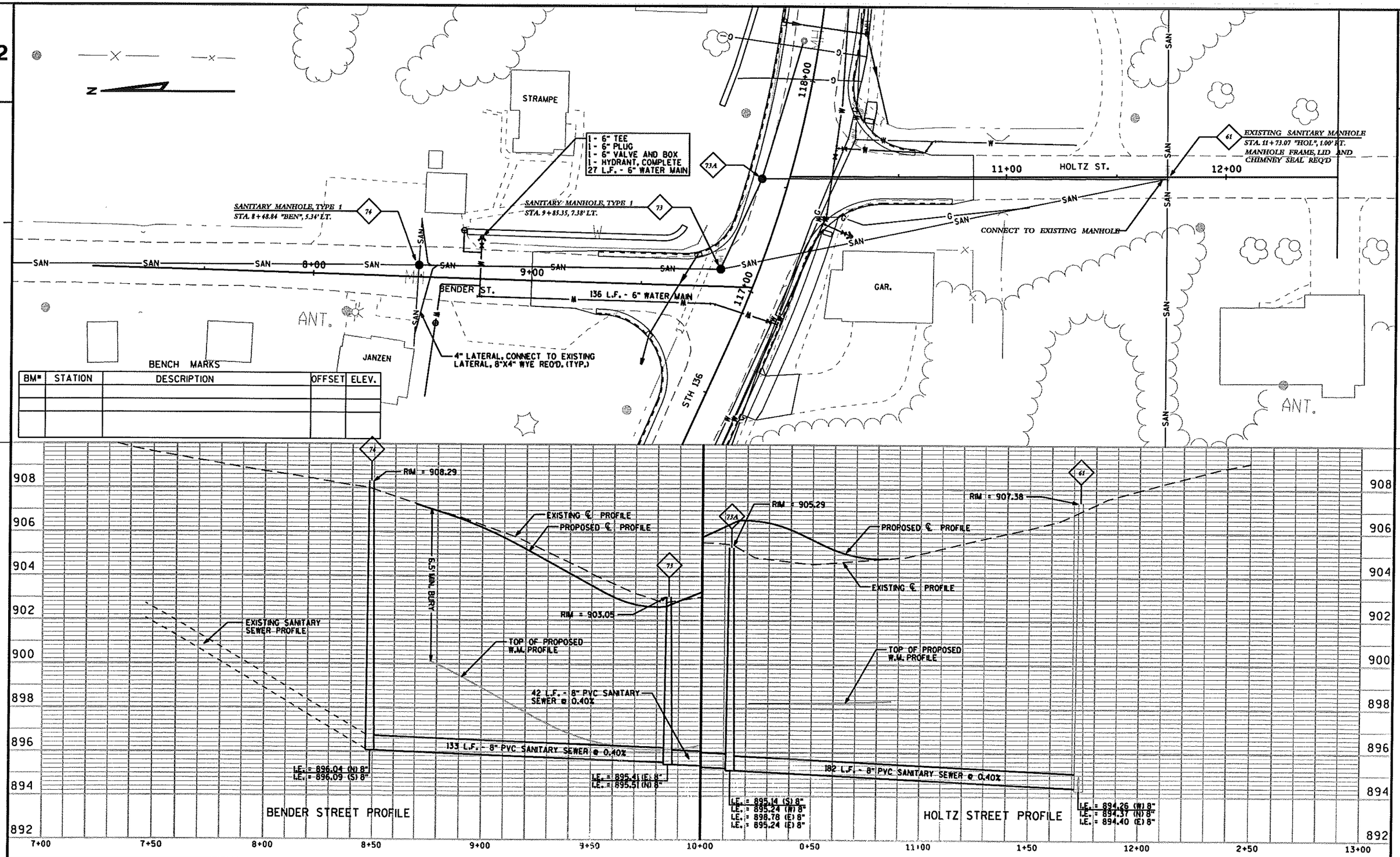
BM#	STATION	DESCRIPTION	OFFSET	ELEV.
314	117+92	Chiseled square on N wingwall of pipe under Holtz St., east end of pipe	84' RT	904.99



PROJECT NO: 5573-04-82	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER	SHEET	E

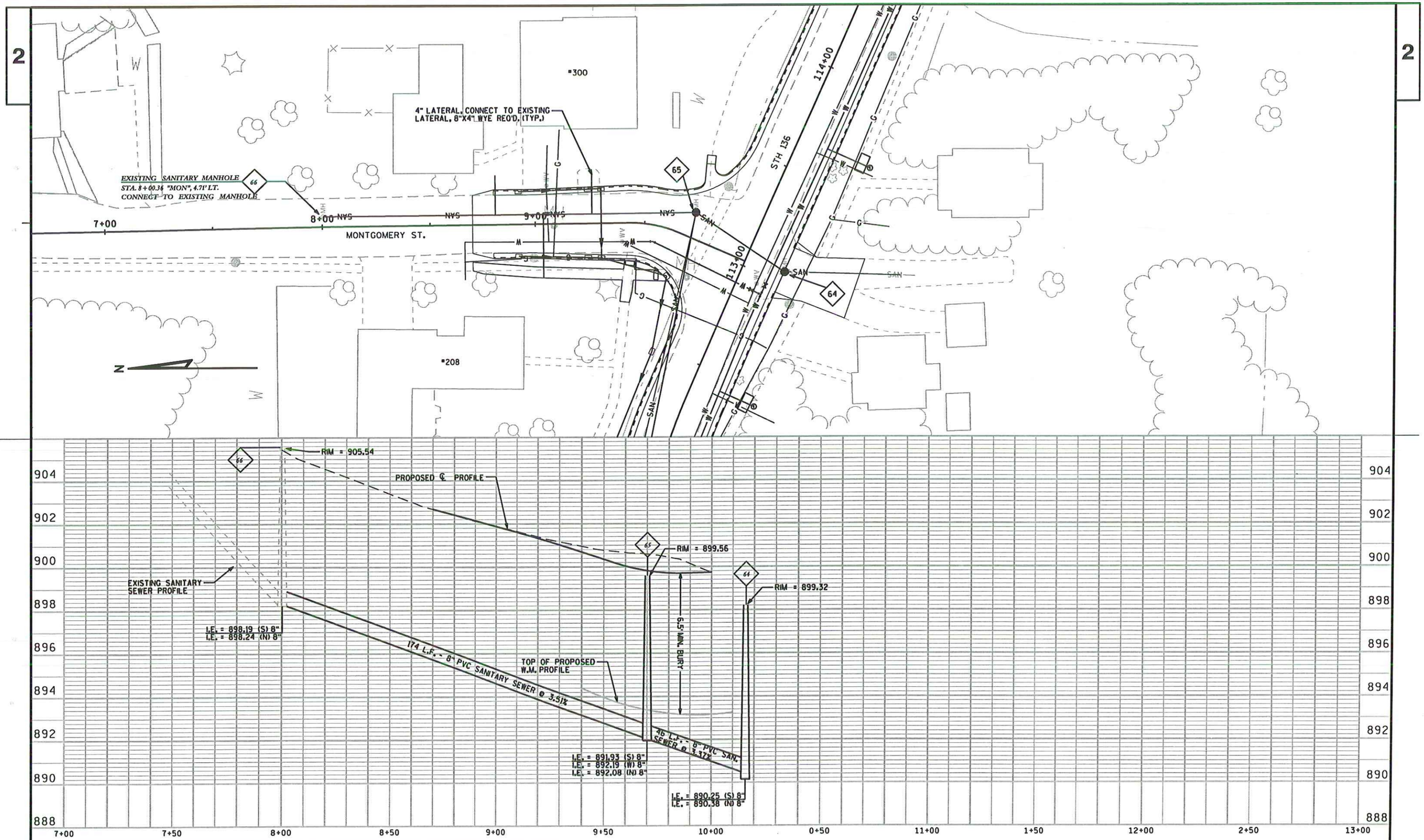


PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER	SHEET	E



PROJECT NO:5573-04-82	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023005_up.dgn PLOT DATE : 12-JUL-2007 07:05 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 40.000000:1.000000 WISDOT/CADDS SHEET 410



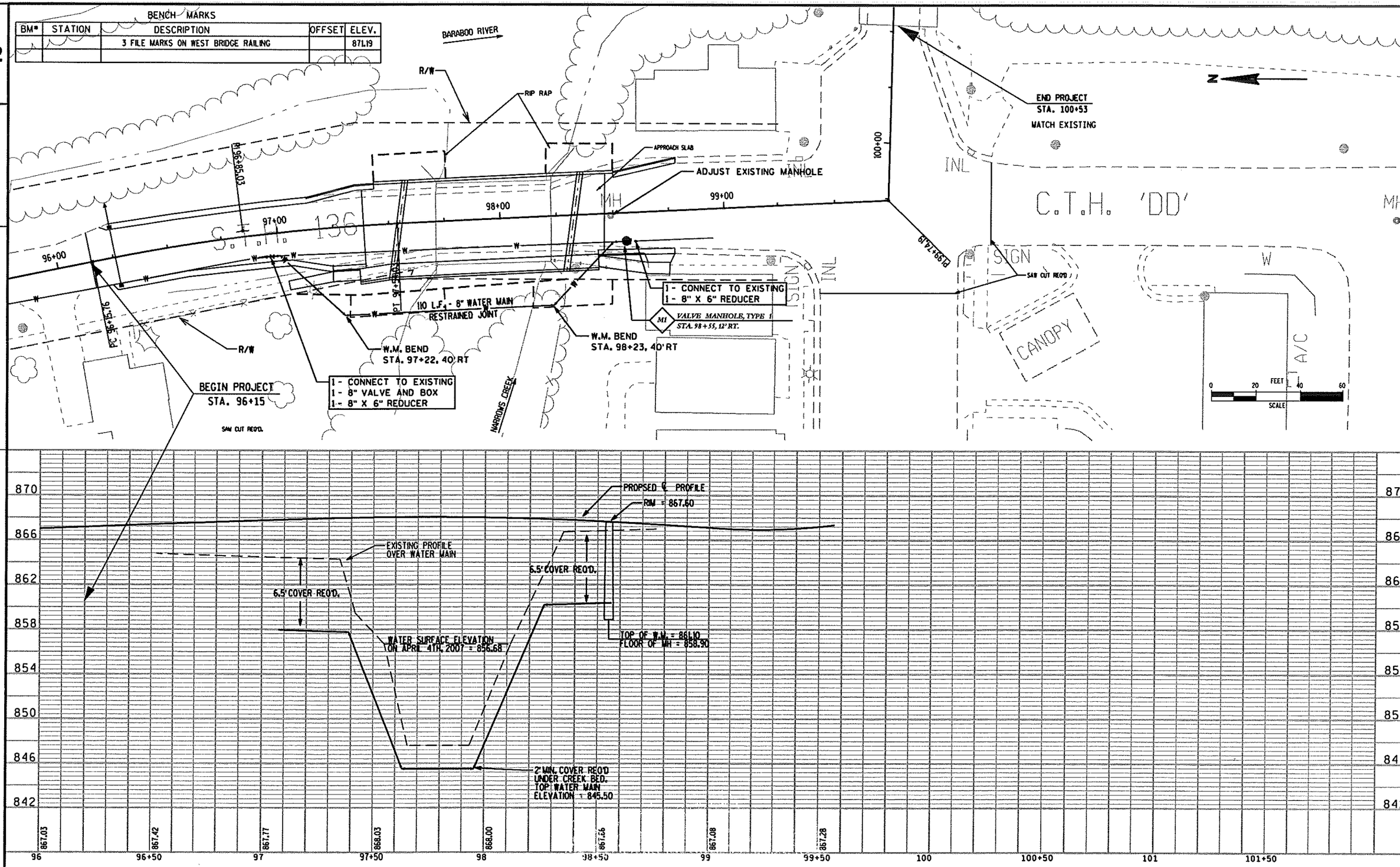
PROJECT NO:5573-04-82	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023006_up.dgn PLOT DATE : 12-JUL-2007 07:05 PLOT BY : dotbog PLOT NAME : PLOT SCALE : 40.000080:1.000000 WISDOT/CADDS SHEET 41a

2

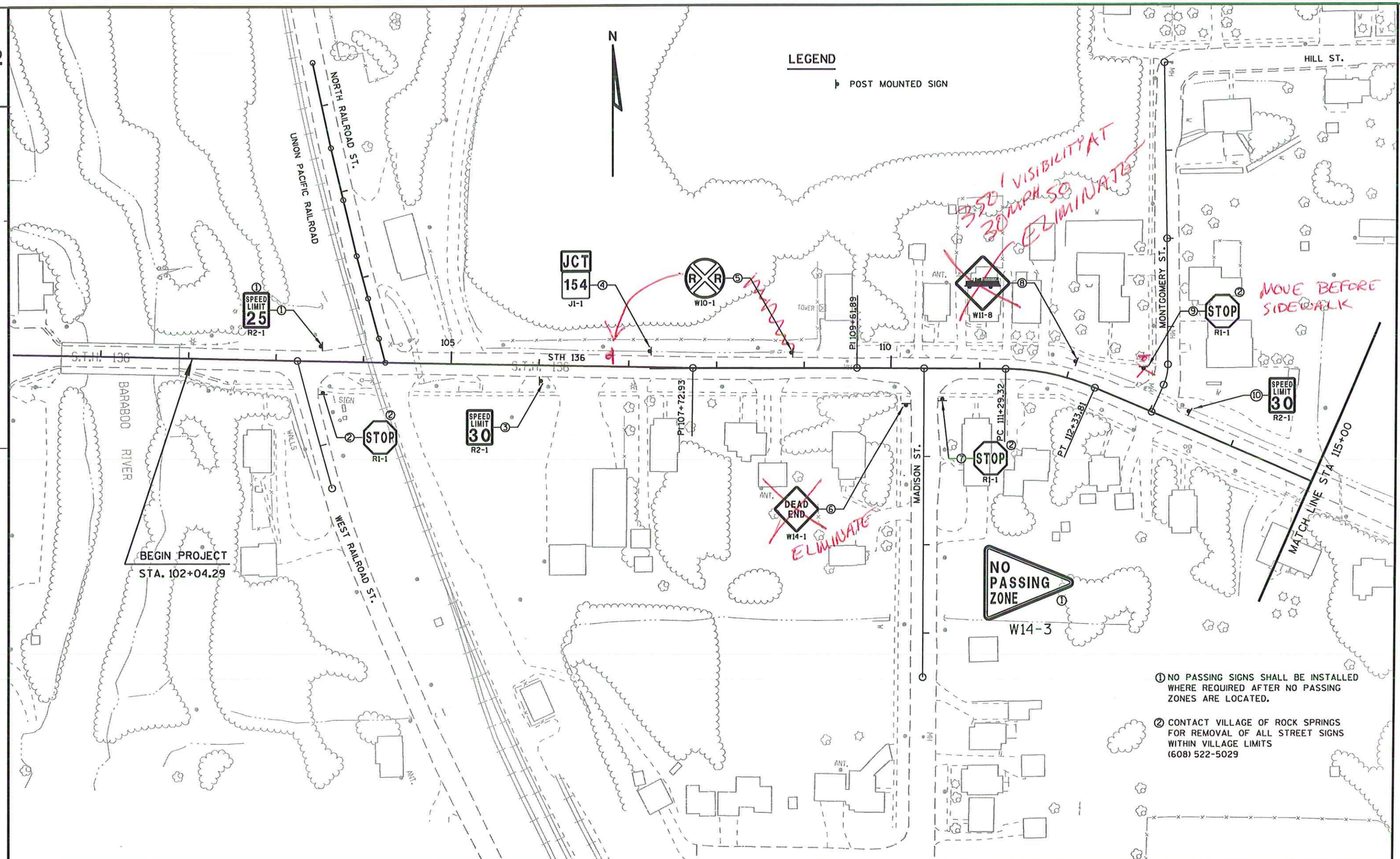
BENCH MARKS

BM#	STATION	DESCRIPTION	OFFSET	ELEV.
		3 FILE MARKS ON WEST BRIDGE RAILING		871.19



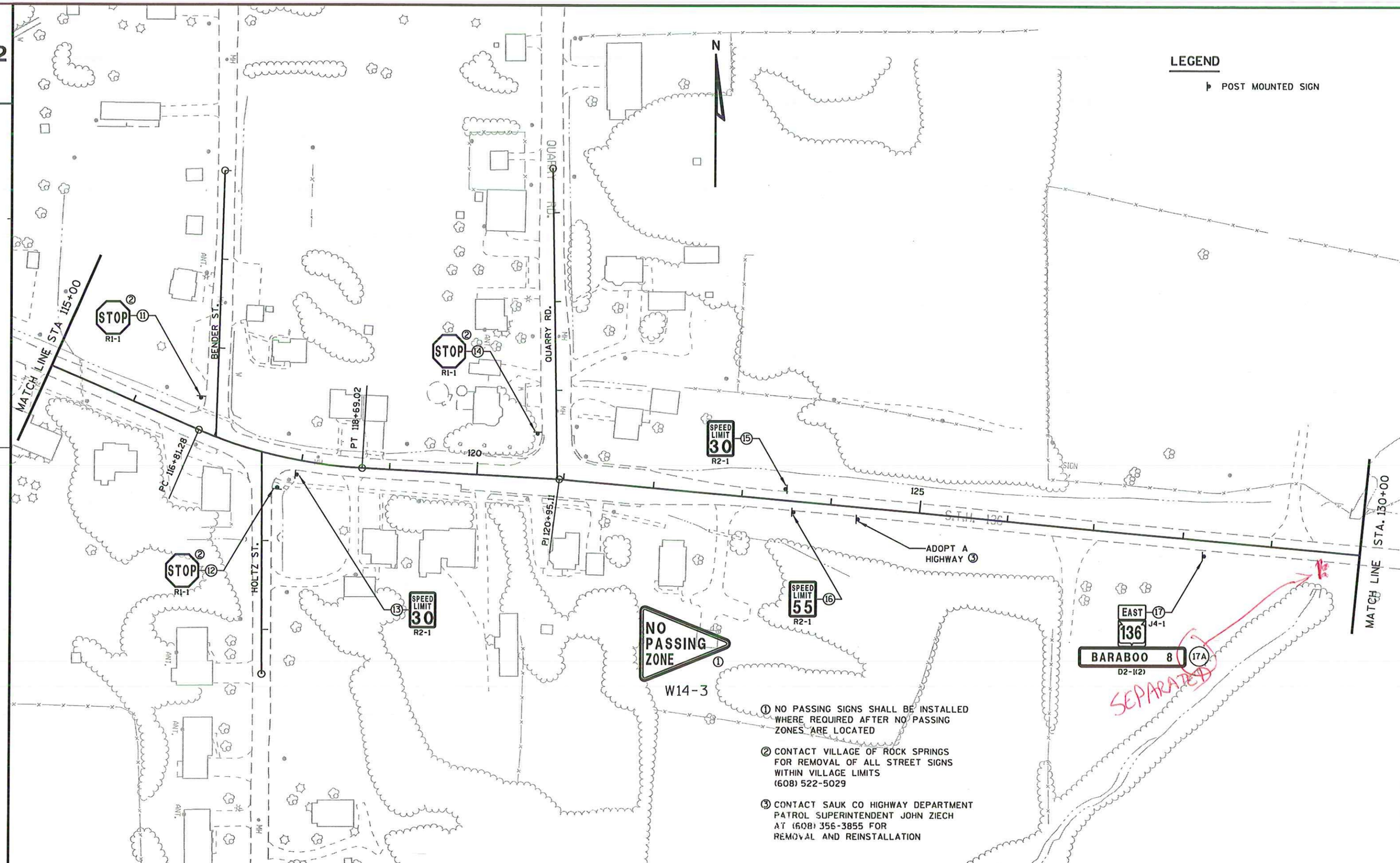
2

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	WATER MAIN & SANITARY SEWER	SHEET	E



PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023201_ps.dgn PLOT DATE : 12-JUL-2007 07:05 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42



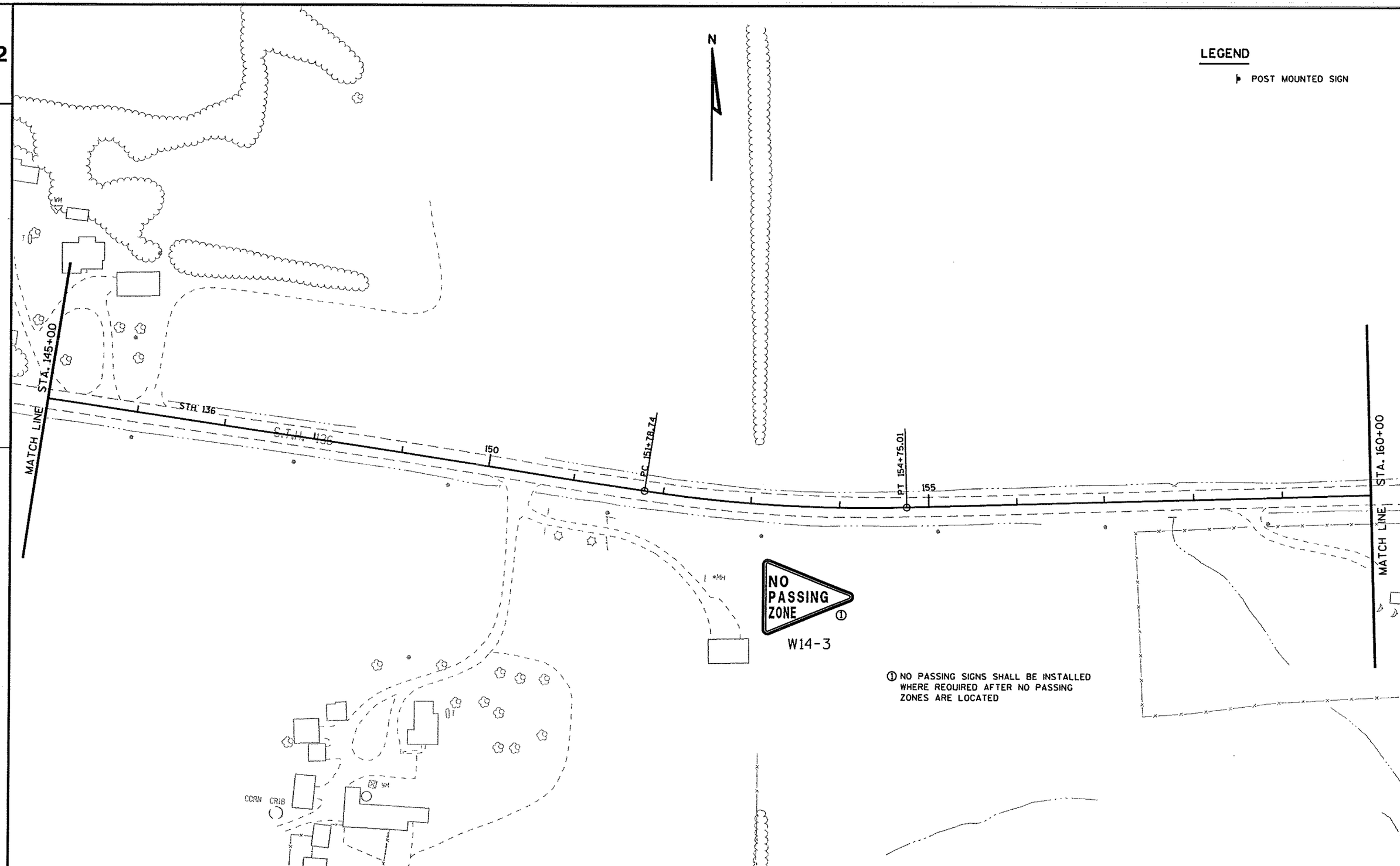
PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023202_ps.dgn PLOT DATE : 12-JUL-2007 07:05 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000

WISDOT/CADDS SHEET 42

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E

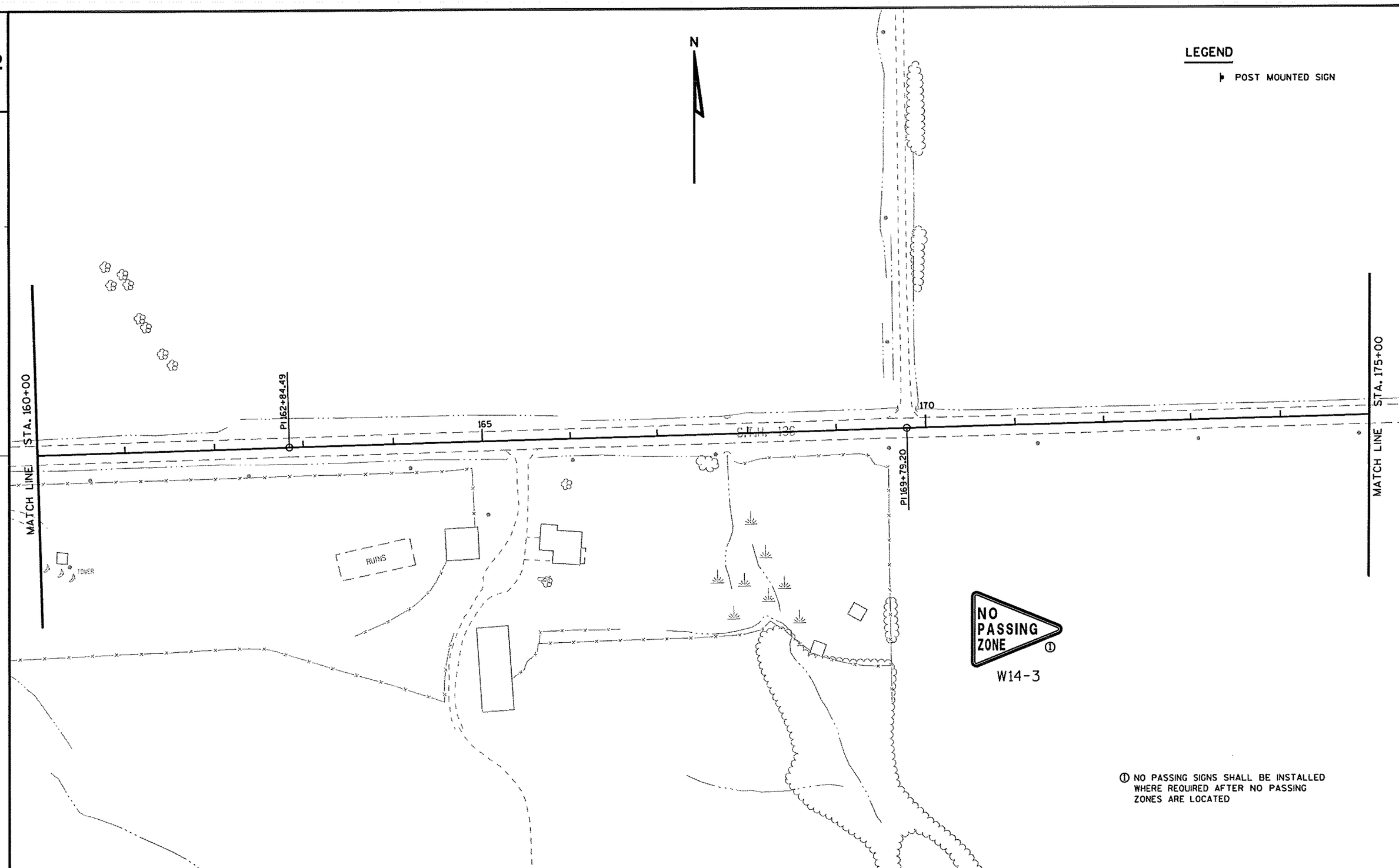
FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023203_ps.dgn PLOT DATE : 12-JUL-2007 07:05 PLOT BY : dorobg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42



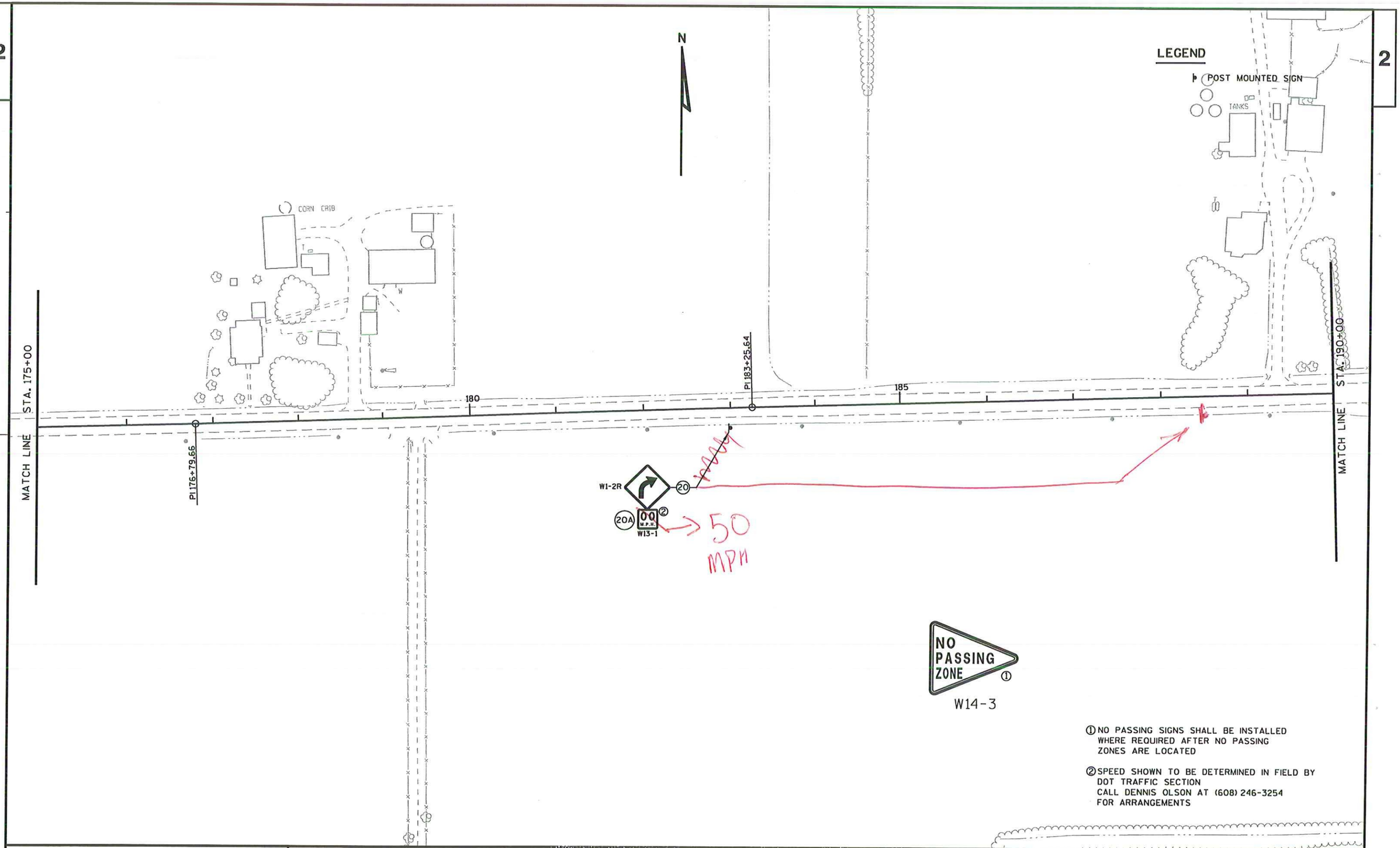
LEGEND

POST MOUNTED SIGN

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E



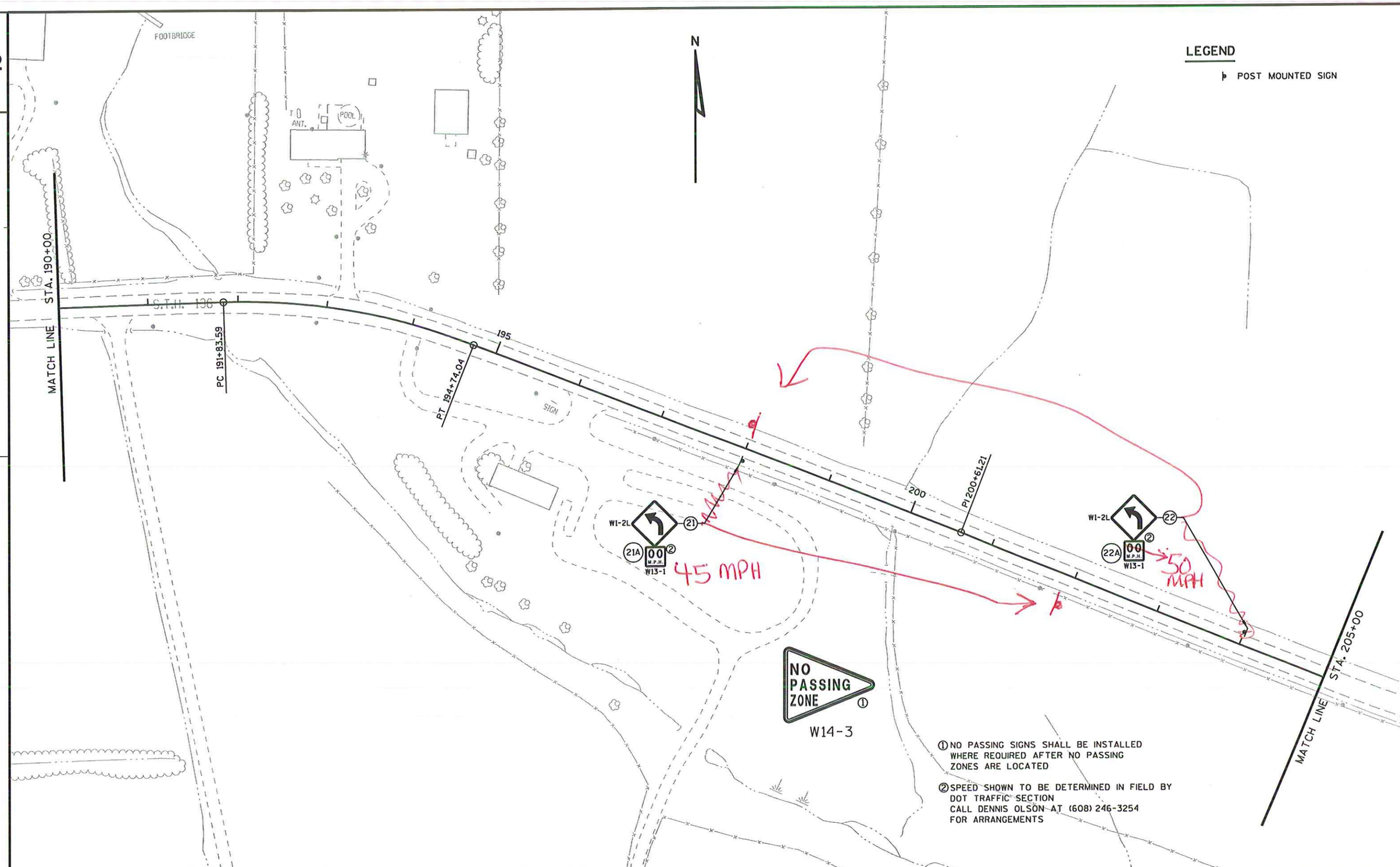
PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E



① NO PASSING SIGNS SHALL BE INSTALLED WHERE REQUIRED AFTER NO PASSING ZONES ARE LOCATED

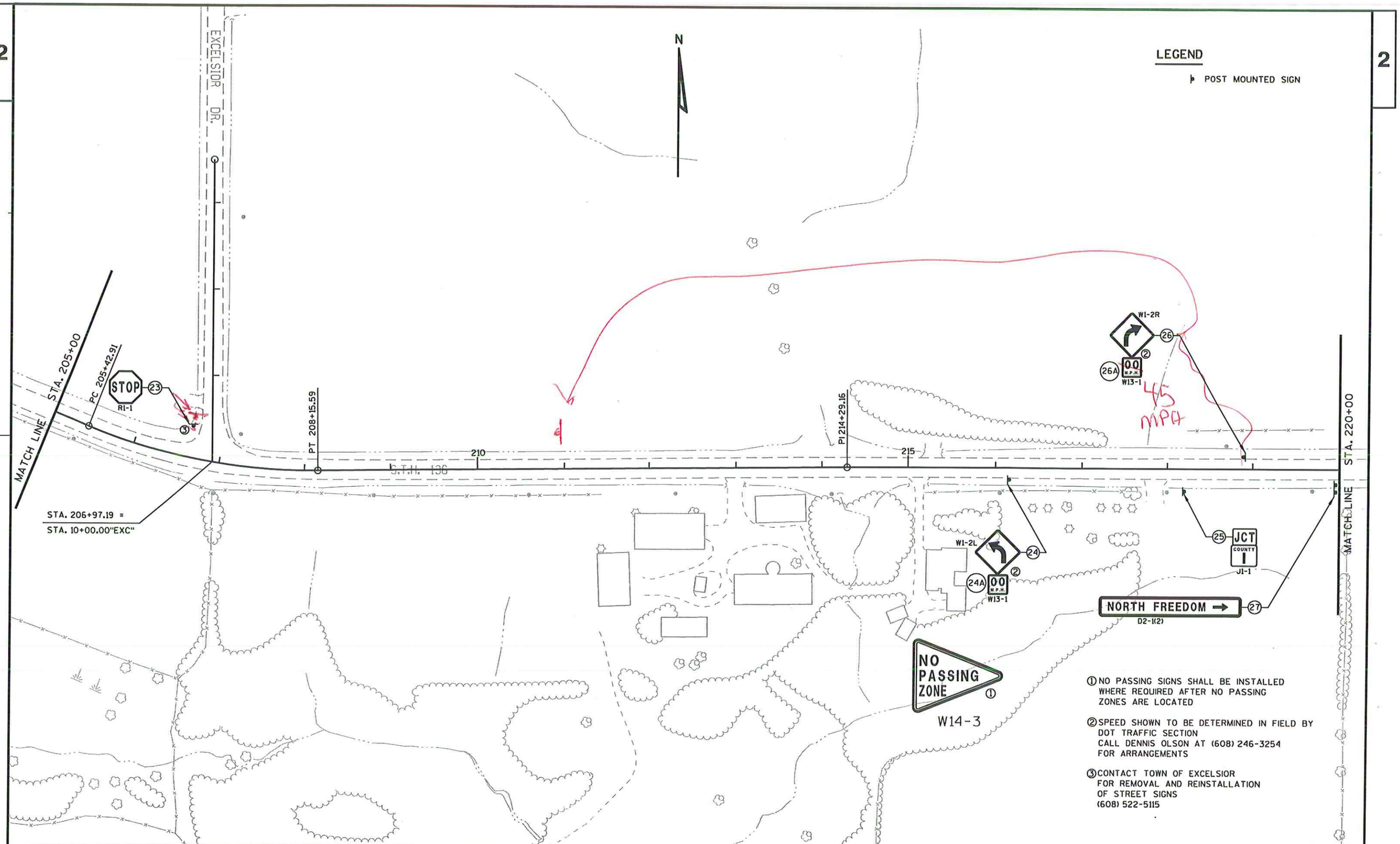
② SPEED SHOWN TO BE DETERMINED IN FIELD BY DOT TRAFFIC SECTION
CALL DENNIS OLSON AT (608) 246-3254 FOR ARRANGEMENTS

PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E



PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023207_ps.dgn PLOT DATE : 12 JUL 2007 07:05 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000 WISDOT/CADDS SHEET 42



PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023208_ps.dgn PLOT DATE : 12-JUL-2007 07:05 PLOT BY : dotbbg PLOT NAME : PLOT SCALE : 100.000000:1.000000

WISDOT/CADDS SHEET 42

2

N

LEGEND

POST MOUNTED SIGN

Additional Sign W7-1 48x24

NORTH FREEDOM

TO BE INSTALLED BY SAUK CO LATER

MATCH LINE STA. 220+00

STH 136

225

PC 225+65.01

SIGN

PT 228+17.63

230

PC 233+17.42

PT 231+72.64

PC 229+61.14

MATCH LINE STA. 235+00

WEST 136 J4-1 (29)

COUNTY I J13-1 (30)

ADOPT A HIGHWAY (2)

JCT COUNTY I J1-1 (35)

COUNTY I J13-1 (28)

STA. 225+97.97 =
STA. 10+00.00"I"

STOP R1-1 (31)

EAST 136 J4-1 (33)

W1-5L (34)

20 M.P.H. (34A)

REUSE EXISTING SIGNS & POST

136 COUNTY I END J13-2 (32) (32A)

NO PASSING ZONE (1)

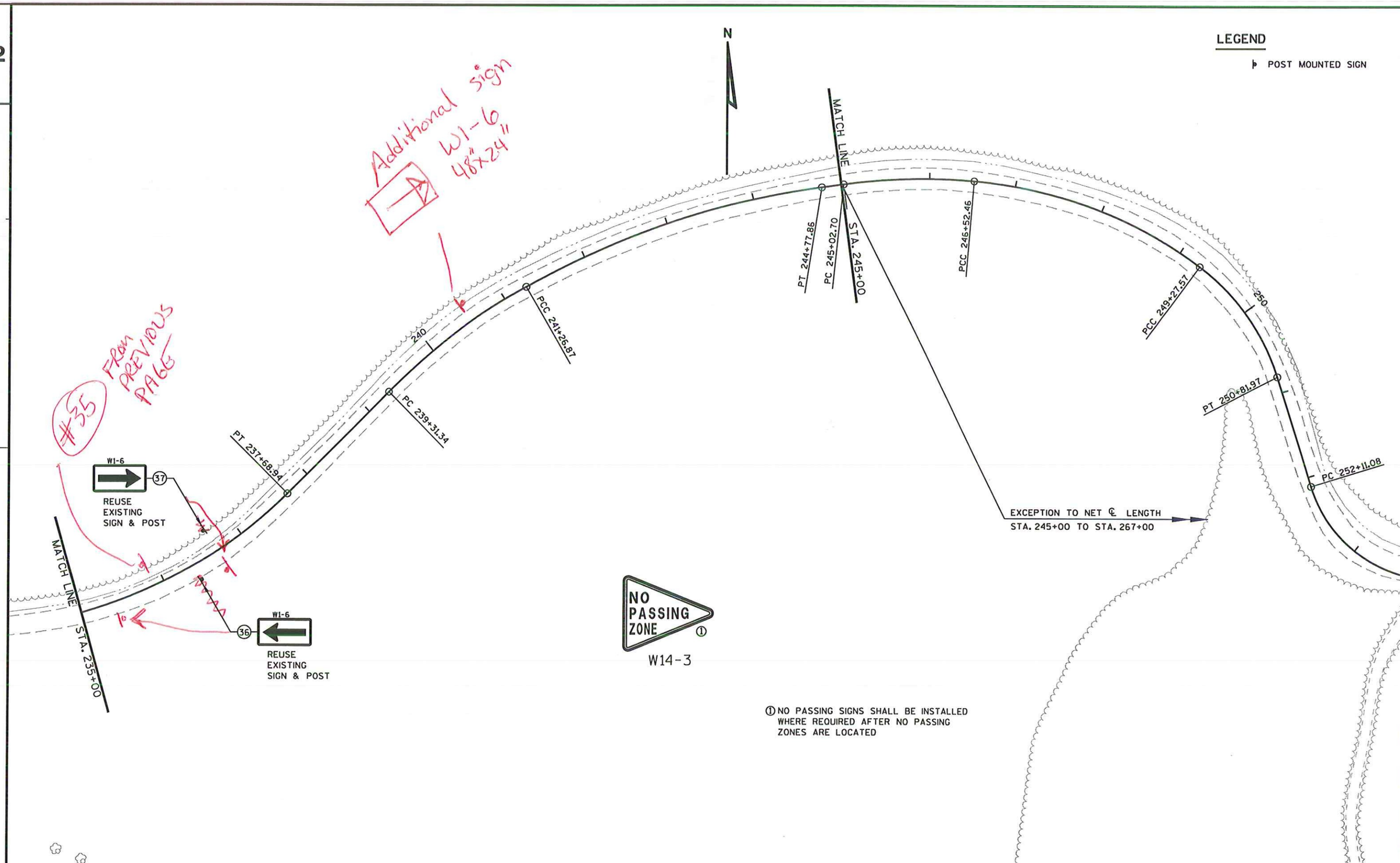
W14-3

(1) NO PASSING SIGNS SHALL BE INSTALLED WHERE REQUIRED AFTER NO PASSING ZONES ARE LOCATED

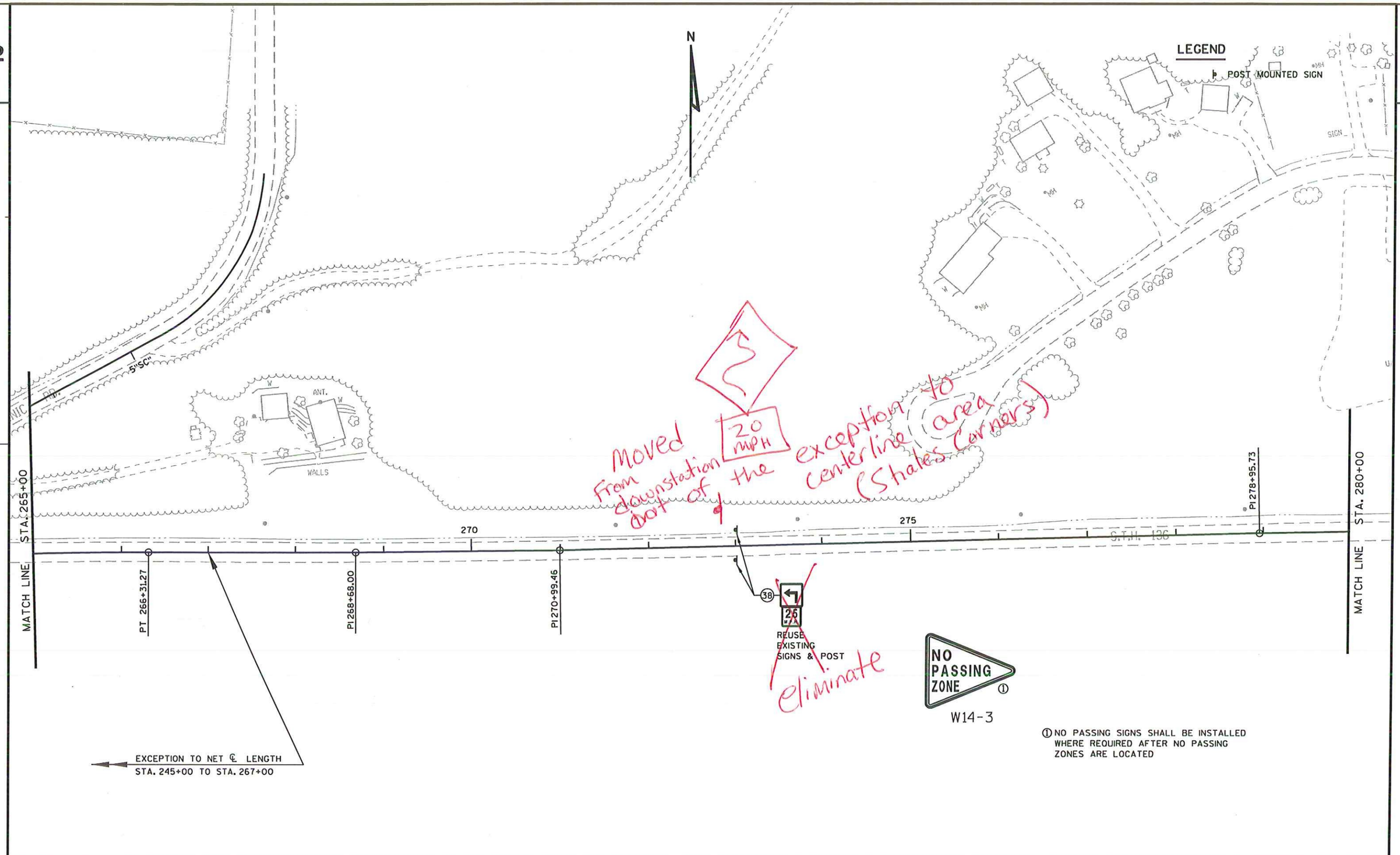
(2) CONTACT SAUK COUNTY HIGHWAY DEPARTMENT PATROL SUPERINTENDENT JOHN ZIECH AT (608) 356-3855 FOR REMOVAL AND REINSTALLATION

PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E

FILE NAME : r:\Support\CADDS\Projects\d1_55730401\023209_ps.dgn PLOT DATE : 12 JUL-2007 07:06 PLOT BY : 66tbtg PLOT NAME : PLOT SCALE : 100.000476:1.000000 WISDOT/CADDS SHEET 42



PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E



PROJECT NO: 5573-04-72	HWY: STH 136	COUNTY: SAUK	PERMANENT SIGNING	SHEET	E

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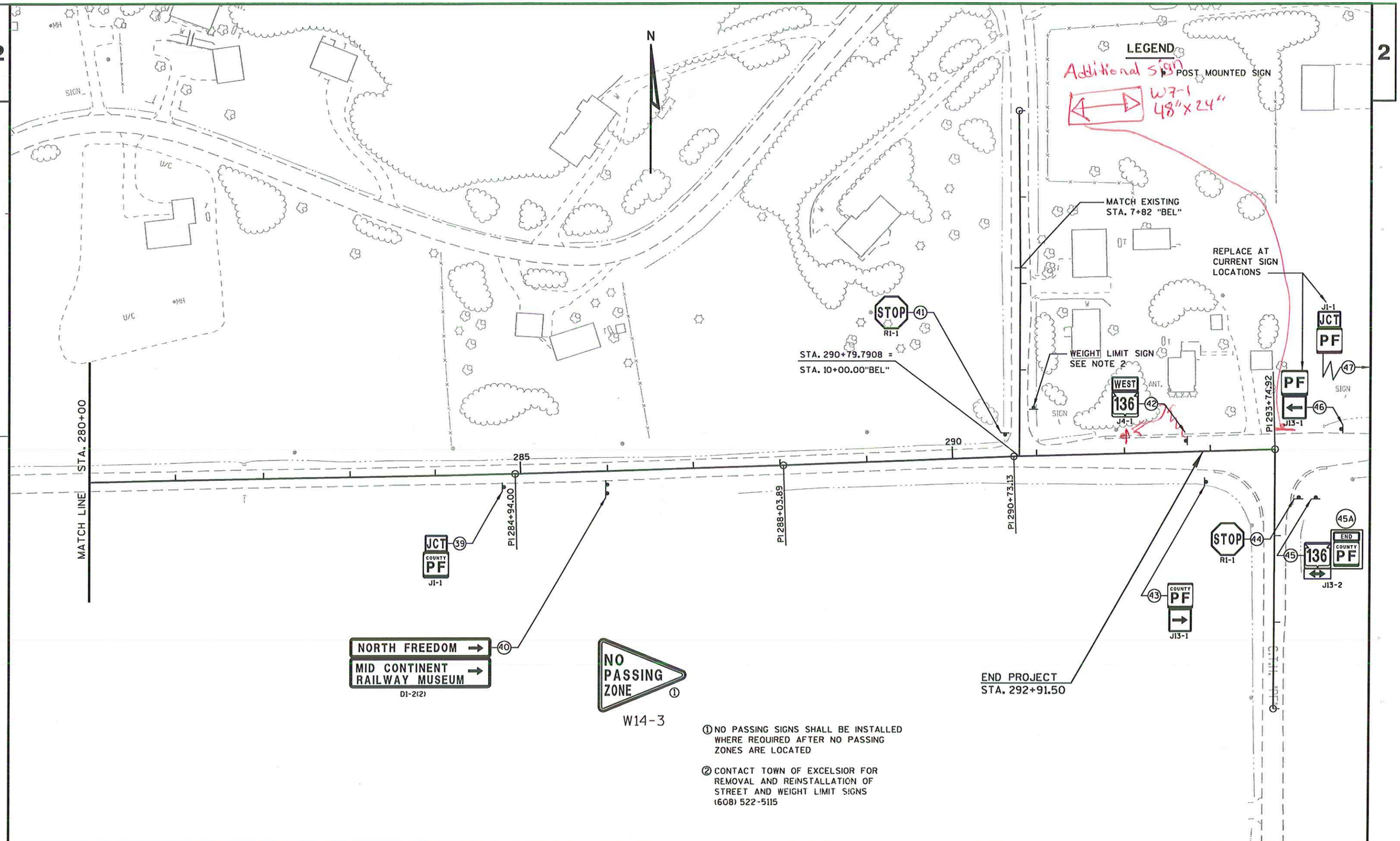


① NO PASSING SIGNS SHALL BE INSTALLED WHERE REQUIRED AFTER NO PASSING ZONES ARE LOCATED

② CONTACT TOWN OF EXCELSIOR FOR REMOVAL AND REINSTALLATION OF STREET AND WEIGHT LIMIT SIGNS (608) 522-5115

PROJECT NO:5573-04-72	HWY:STH 136	COUNTY:SAUK	PERMANENT SIGNING	SHEET	E

2

① ROAD CLOSED TO THRU TRAFFIC
R11-4
60" X 30"

② ROAD CLOSED AHEAD W20-3

③ DETOUR AHEAD W20-2

④ W01-6
48" X 24"

⑤ WEST
M 3-4
24" X 12"

⑥ ROAD CLOSED 500 FT W20-3

⑦ DETOUR 1000 FT W20-2

⑧ * MILEAGE TO BE DETERMINED IN FIELD
ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-3
60" X 30"

⑩ ROAD CLOSED 1000 FT. W20-3

⑪ 136
M1-6
24" X 24"

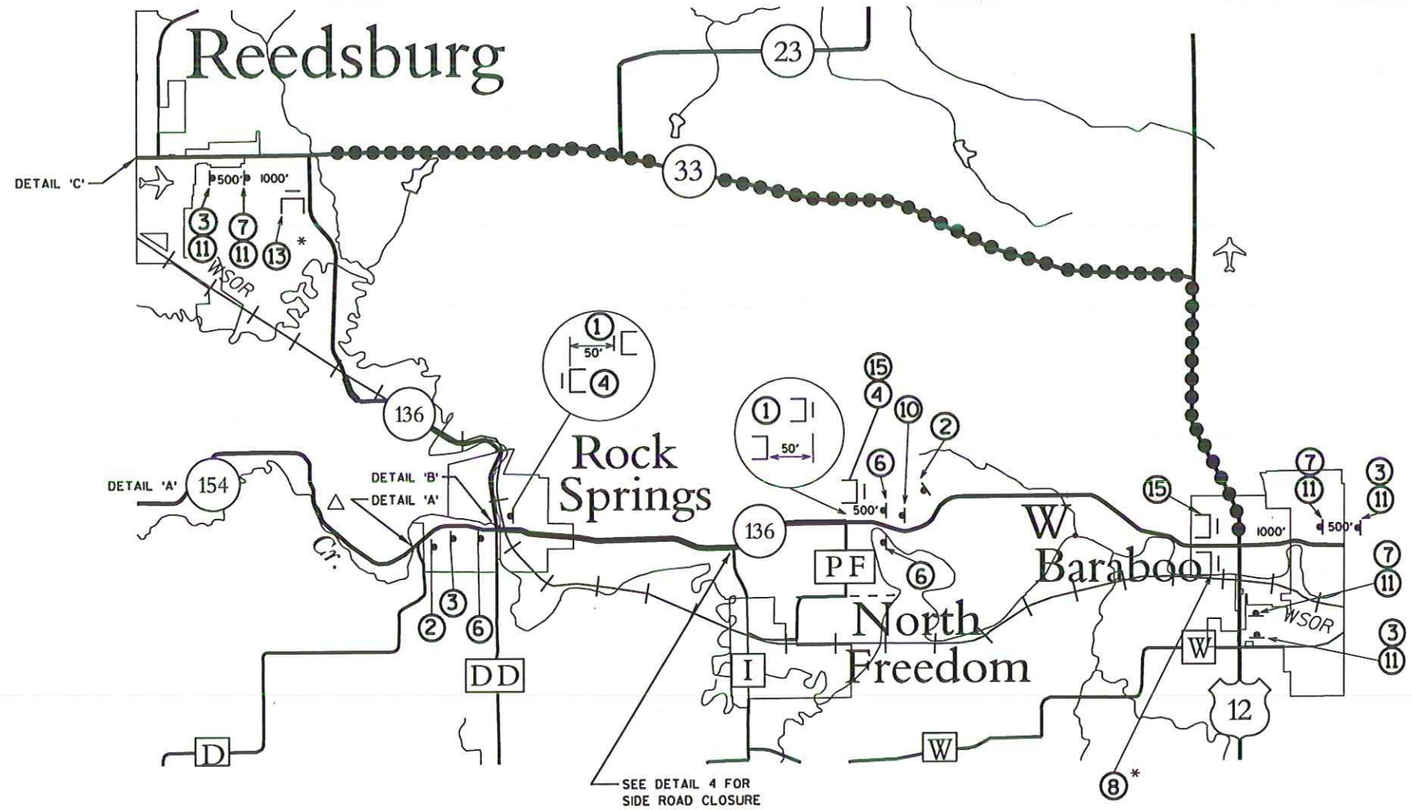
⑫ ROAD OPEN TO ROCK SPRINGS
R10-61
60" X 30"

⑬ BRIDGE OUT XX MILES AHEAD
R11-3C
60" X 24"

⑭ BRIDGE OUT
R11-2B
48" X 30"

⑮ ACCESS TO ROCK SPRINGS BUSINESSES
R10-70 (MOD)
66" X 36"

⑯ ROCK SPRINGS / ROCK SPRINGS
D1-1
BLACK ON ORANGE



GENERAL NOTES:

ALL EXISTING SIGNS THAT NEED TO BE COVERED SHALL BE COVERED WITH A BLANK ORANGE PANEL.

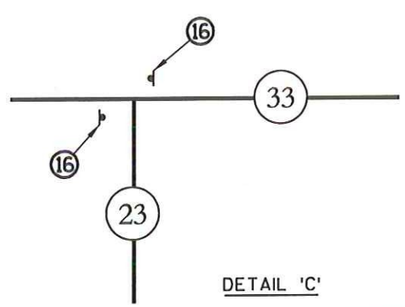
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

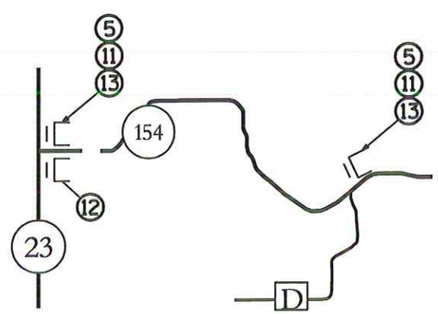
ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

LEGEND

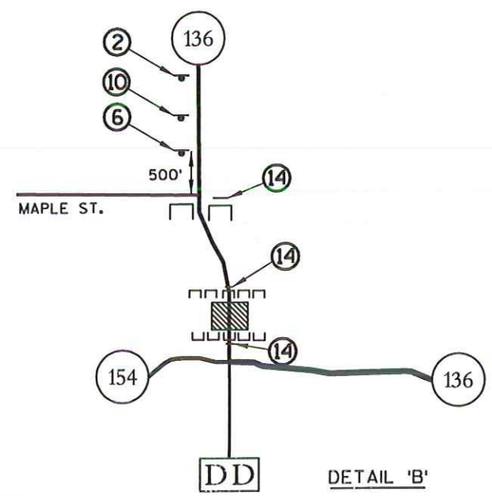
- POST MOUNTED SIGN
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- DETOUR ROUTE FOR S.T.H. 136
- CLOSED - UNDER CONSTRUCTION



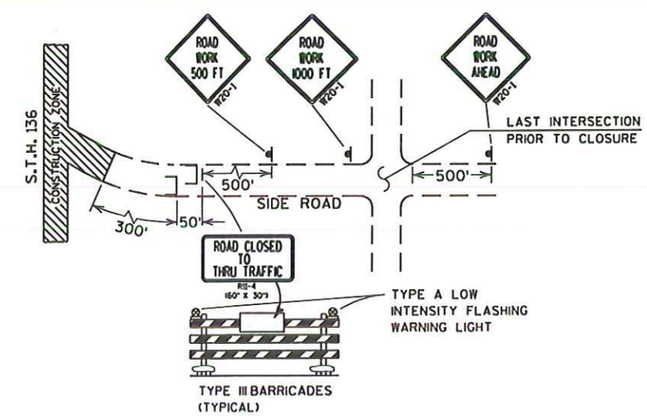
DETAIL 'C'



DETAIL 'A'



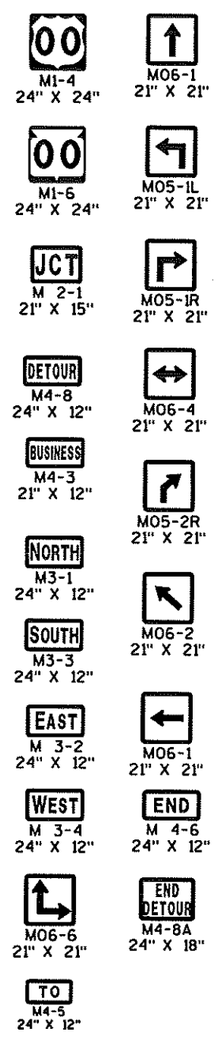
DETAIL 'B'



ONE TYPE III BARRICADES USED AT EACH INDICATED POSITION FOR SIDE ROAD CLOSURE.

DETAIL 4
SIDE ROAD CLOSURE

PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	TRAFFIC CONTROL DETAILS	SHEET	E



GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ANY SIGN TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

ANY "STOP" SIGNS WHICH ARE REMOVED FOR A CONSTRUCTION OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED.

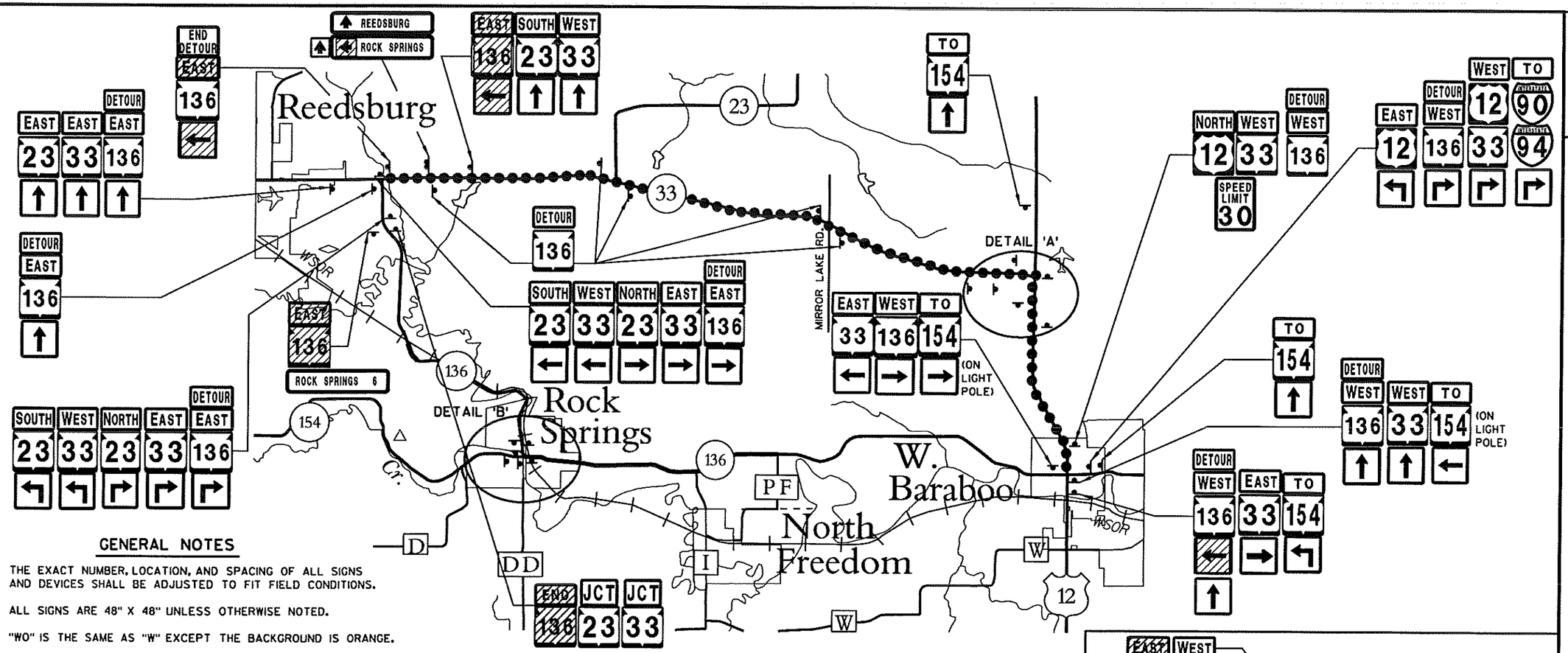
ALL EXISTING SIGNS THAT NEED TO BE COVERED SHALL BE COVERED WITH A BLANK ORANGE PANEL

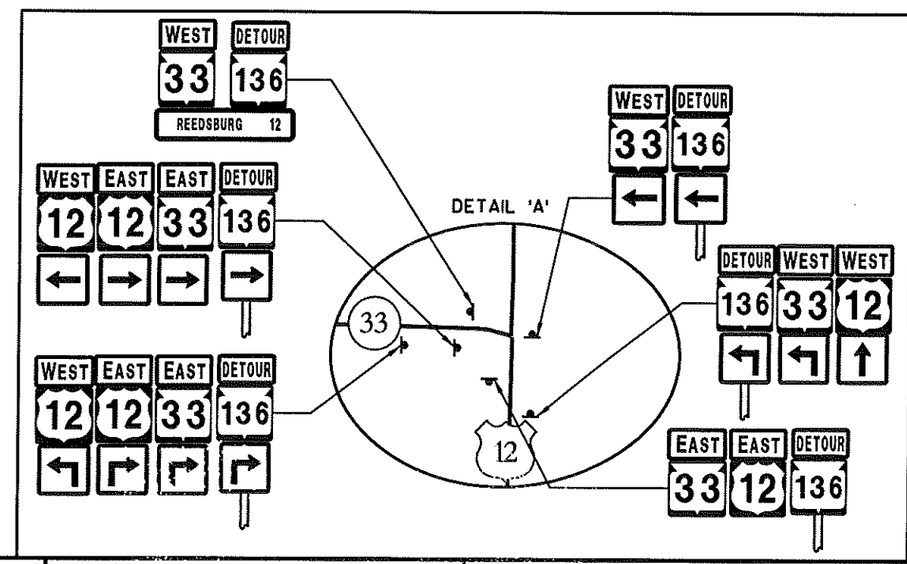
ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

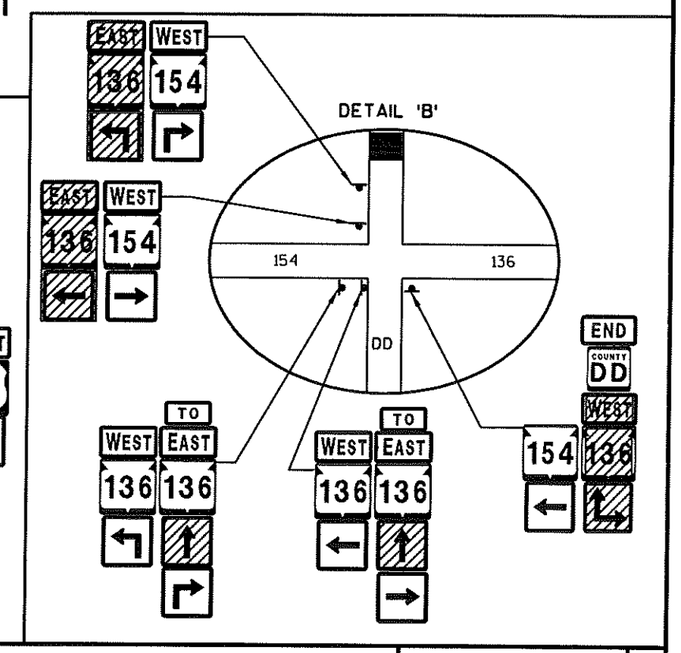
ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

LEGEND

- SIGN ON POST
- DETOUR ROUTE FOR S.T.H. 136
- COVERING SIGNS WITH BLANK ORANGE PANEL
- WORK ZONE
- XX EXISTING SIGN
- XX ADDITIONAL SIGN







PROJECT NO:5573-04-72	HWY: STH 136	COUNTY: SAUK	DETOUR PLAN	SHEET	E