

# CTH JJ (OLD STH 15) RECONSTRUCTION VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY WISCONSIN

MCM # O0006 08-23-00501  
COUNTY # 582500 - CTH JJ - BLACK OTTER CREEK BRIDGE TO NASH STREET

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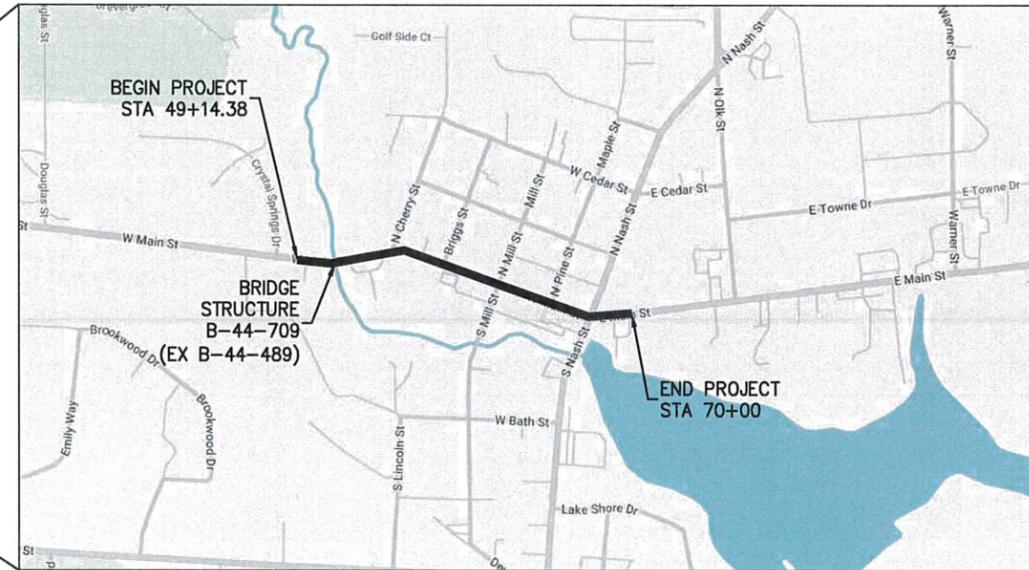
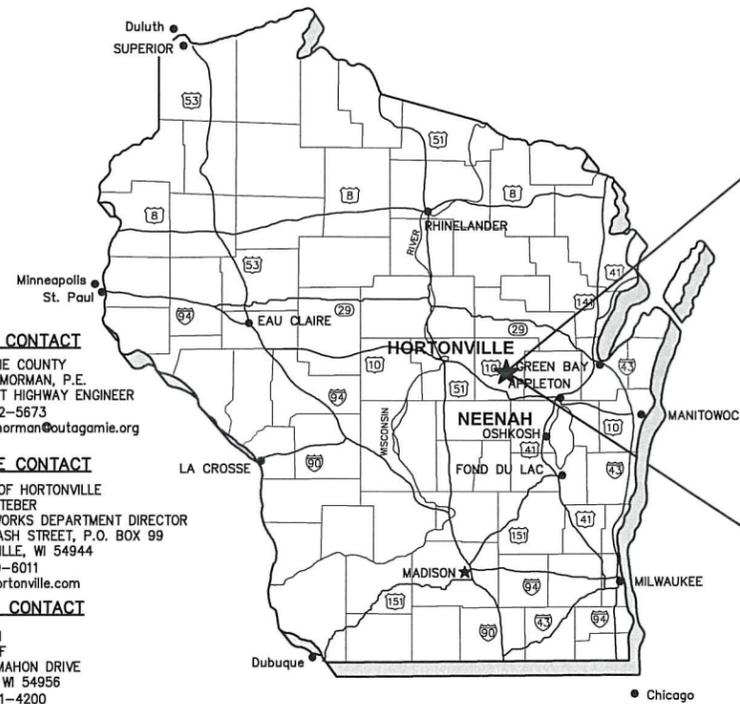
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NOT TO SCALE



**DIGGERS HOTLINE**

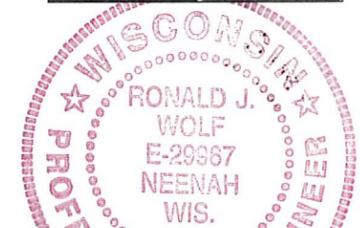
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ORIGINAL PLANS PREPARED BY

**McMAHON**  
ENGINEERS ARCHITECTS



*Ronald J. Wolf*

DATE: 2/11/2026

(Professional Engineer Signature)

DATE  
2026  
PROJECT NO.  
08-23-00501

**STANDARD ABBREVIATIONS**

AC	ACRE	LT	LEFT
AGG	AGGREGATE	LVC	LENGTH OF VERTICAL CURVE
AH	AHEAD	MAINT	MAINTENANCE
ASPH	ASPHALT PAVEMENT	MAT'L	MATERIAL
AVG	AVERAGE	MAX	MAXIMUM
B-B	BACK TO BACK	MIN	MINIMUM
BEG	BEGIN	MH	MANHOLE
BIT	BITUMINOUS	MP	MILE POST
BK	BACK	NB	NORTHBOUND
B/L	BASE LINE	NO	NUMBER
BLDG	BUILDING	NOR	NORMAL
BM	BENCH MARK	OD	OUTSIDE DIAMETER
BOC	BACK OF CURB	OBLIT	OBLITERATE
BRG	BEARING	PAVT	PAVEMENT
C-C	CENTER TO CENTER	PC	POINT OF CURVATURE
CY	CUBIC YARD	PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE
C&G	CURB AND GUTTER	PE	PRIVATE ENTRANCE
CB	CATCH BASIN	PED	PEDESTAL
CE	COMMERCIAL ENTRANCE	PGL	PROFILE GRADE LINE
CHD	CHORD	PI	POINT OF INTERSECTION
C/L	CENTER LINE	P/L	PROPERTY LINE
CL	CLASS (FOR CONC PIPE)	PLE	PERMANENT LIMITED EASEMENT
CMP	CORRUGATED METAL PIPE	PP	POWER POLE
CO	CLEAN OUT	PRC	POINT OF REVERSE CURVATURE
CONC	CONCRETE	PROP	PROPOSED
CORR	CORRUGATED	PSD	PASSING SIGHT DISTANCE
CP	CONTROL POINT	PSI	POUNDS PER SQUARE INCH
CR	CRUSHED	PT	POINT OF TANGENCY
CS	CURB STOP	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
CSW	CONCRETE SIDEWALK	PVI	POINT OF VERTICAL INTERSECTION
CTH	COUNTY TRUNK HIGHWAY	PVT	POINT OF VERTICAL TANGENCY
CULV	CULVERT	R	RADIUS
D	DEPTH OR DELTA	RCP	REINFORCED CONCRETE PIPE
DI	DUCTILE IRON	RD	ROAD
DIA	DIAMETER	REBAR	REINFORCEMENT ROD
DIS	DISCHARGE	REM	REMOVE
EA	EACH	RECON	RECONSTRUCT
EB	EASTBOUND	REQ'D	REQUIRED
EBS	EXCAVATION BELOW SUBGRADE	R/L	REFERENCE LINE
EG	EDGE OF GRAVEL	RP	RADIUS POINT
ELEV	ELEVATION	RR	RAILROAD
ELEC	ELECTRIC	RT	RIGHT
EMB	EMBANKMENT	R/W	RIGHT-OF-WAY
EMAT	EROSION MAT	SB	SOUTHBOUND
ENT	ENTRANCE	SE	SUPERELEVATION
EOR	END OF RADIUS	SF	SQUARE FEET
EP	EDGE OF PAVEMENT	SI	SLOPE INTERCEPT
EXC	EXCAVATION	STH	STATE TRUNK HIGHWAY
EX	EXISTING	SY	SQUARE YARD
EW	ENDWALL	SALV	SALVAGED
F-F	FACE TO FACE	SAN	SANITARY
FDN	FOUNDATION	SEC	SECTION
FE	FIELD ENTRANCE	SHLDR	SHOULDER
FERT	FERTILIZER	S/L	SURVEY LINE
FG	FINISHED GRADE	SQ	SQUARE
F/L	FLOW LINE	STA	STATION
FT	FOOT	STD	STANDARD
FTG	FOOTING	STO	STORM
GRAV	GRAVEL	SW	SIDEWALK
GN	GRID NORTH	TC	TOP OF CURB
GV	GAS VALVE	TEL	TELEPHONE
HDPE	HIGH DENSITY POLYETHYLENE	TEMP	TEMPORARY
HE	HIGHWAY EASEMENT	TLE	TEMPORARY LIMITED EASEMENT
HMA	HOT MIX ASPHALT	TV	TELEVISION
HP	HIGH POINT	TYP	TYPICAL
HT	HEIGHT	UG	UNDERGROUND
HYD	HYDRANT	USH	U.S. HIGHWAY
ID	INSIDE DIAMETER	VAR	VARIES
IN	INCH	VC	VERTICAL CURVE
INL	INLET	VERT	VERTICAL
INV	INVERT	WB	WESTBOUND
IP	IRON PIPE	WM	WATER MAIN
JCT	JUNCTION	WV	WATER VALVE
LB	POUND		
LF	LINEAR FOOT		
LP	LIGHT POLE		

**GENERAL NOTES**

1. THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING ANY PRIVATE UTILITIES, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.
2. EXISTING STREET RIGHT-OF-WAY AND INTERSECTING PROPERTY LINES ARE ESTABLISHED FROM FIELD LOCATED SURVEY MONUMENTATION, PREVIOUS SURVEYS, PLATS AND CURRENT PROPERTY DEEDS.
3. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
4. A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MATCHES EXISTING ASPHALTIC CONCRETE SURFACE.
5. ALL CURB RADII SHOWN ON THE PLAN SHEETS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
6. DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

**STANDARD SYMBOLS (PLAN VIEW ONLY)**

	2" IRON PIPE FOUND		TELEPHONE CABLE - BURIED
	1 1/4" REBAR FOUND		ELECTRIC CABLE - BURIED
	1 1/4" x 30" IRON REBAR WEIGHING 4.30 LB/LF SET		UTILITIES - OVERHEAD
	1" (1.315 OD) IRON PIPE FOUND		FIBER OPTIC CABLE - BURIED
	1" IRON PIPE SET		GAS MAIN
	3/4" IRON REBAR FOUND		CABLE TELEVISION - BURIED
	3/4" IRON PIPE FOUND		DITCH LINE
	3/4" x 24" IRON REBAR WEIGHING 1.5 LB/LF SET		STREET C/L OR R/L
	MAG NAIL FOUND		PROPERTY LINE
	MAG NAIL SET		RIGHT-OF-WAY LINE
	MAG SPIKE FOUND		SECTION LINE
	MAG SPIKE SET		EXISTING CONTOURS
	CHISEL CROSS FOUND		PROPOSED CONTOURS
	CHISEL CROSS SET		EXISTING FORCEMAIN SEWER
	COUNTY MONUMENT		EXISTING SANITARY SEWER
	CONCRETE MONUMENT FOUND		PROPOSED SANITARY SEWER
	CONTROL POINT HORIZONTAL		EXISTING WATER MAIN
	VERTICAL BENCHMARK		PROPOSED WATER MAIN
	SOIL BORING OR MONITORING WELL		EXISTING STORM SEWER
	POWER POLE		PROPOSED STORM SEWER
	POWER POLE W/GUY WIRE		EXISTING CURB & GUTTER
	MAILBOX		PROPOSED CURB & GUTTER
	SIGN		PROPOSED REJECT CURB & GUTTER
	RAILROAD CROSS BUCK		EXISTING CULVERT WITH END SECTIONS
	RAILROAD GATE ARM		PROPOSED CULVERT WITH END SECTIONS
	RAILROAD TRACKS		BUILDING OUTLINE
	LIGHT POLE		FENCE LINE
	WOOD POLE		SAW CUT REQ'D
	TRAFFIC SIGNAL		SILT FENCE
	TRAFFIC SIGNAL MAST ARM		GUARD RAIL
	CONIFEROUS TREE		DITCH CHECK
	DECIDUOUS TREE		INLET PROTECTION
	TREE OR BRUSH LINE		TRACKING PAD
	BED ROCK (IN PROFILE VIEW)		TURBIDITY BARRIER OR SHEET PILING
	HANDICAPPED PARKING STALL		SANDBAG COFFERDAM
	EXISTING SPOT ELEVATION		SLOPE INTERCEPT
	PROPOSED SPOT ELEVATION		LIMITS OF DISTURBANCE
	DRAINAGE HIGH POINT		ASPHALT PAVEMENT
	DRAINAGE DIRECTION		CONCRETE SIDEWALK/DRIVEWAY
	EXISTING MANHOLE		GRAVEL
	PROPOSED MANHOLE		RIP-RAP (SIZE AS SPECIFIED)
	EXISTING INLET		BRICK/PAVERS
	PROPOSED INLET		PROPOSED EROSION MAT
	EXISTING YARD DRAIN		PROPOSED TURF REINFORCEMENT MAT (TRM)
	PROPOSED YARD DRAIN		EXISTING DELINEATED WETLANDS
	EXISTING CLEAN OUT		PROPOSED ASPHALTIC DRIVEWAY
	PROPOSED CLEAN OUT		
	EXISTING DOWNSPOUT		
	PROPOSED DOWNSPOUT		
	EXISTING WATER VALVE		
	PROPOSED WATER VALVE		
	EXISTING CURB STOP		
	PROPOSED CURB STOP		
	EXISTING FIRE HYDRANT		
	PROPOSED FIRE HYDRANT		
	PROPOSED WATER FITTING		
	PROPOSED WATER REDUCER		
	PROPOSED ENDCAP		
	GAS VALVE		

**EROSION & SEDIMENT CONTROL PLAN**

**BEST MANAGEMENT PRACTICES:**

THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS. THESE STANDARDS MAY BE FOUND ON THE DNR WEBSITE AT <http://www.dnr.wi.gov/dunoff/stormwater/techstds.htm>. RIP-RAP SHALL BE IN ACCORDANCE WITH SECTION 606, WS-DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, UNTIL TECHNICAL STANDARD 1065 IS COMPLETED BY THE DNR. THE MINIMUM BEST MANAGEMENT PRACTICES SPECIFIED FOR THIS PROJECT ARE AS FOLLOWS:

- |   |   |
|---|---|
| <input type="checkbox"/> LAND APPLICATION OF POLYACRYLAMIDE (1050)      | <input checked="" type="checkbox"/> DE-WATERING (1061)          |
| <input type="checkbox"/> WATER APPLICATION OF POLYMERS (1051)           | <input checked="" type="checkbox"/> DITCH CHECK (1062)          |
| <input checked="" type="checkbox"/> NON-CHANNEL EROSION MAT (1052)      | <input type="checkbox"/> SEDIMENT TRAP (1063)                   |
| <input type="checkbox"/> CHANNEL EROSION MAT (1053)                     | <input type="checkbox"/> SEDIMENT BASIN (1064)                  |
| <input type="checkbox"/> VEGETATIVE BUFFER (1054)                       | <input checked="" type="checkbox"/> RIP-RAP (1065)              |
| <input type="checkbox"/> SEDIMENT BALE BARRIER (1055)                   | <input type="checkbox"/> CONSTRUCTION DIVERSION (1066)          |
| <input checked="" type="checkbox"/> SILT FENCE (1056)                   | <input type="checkbox"/> GRADING PRACTICES (1067)               |
| <input checked="" type="checkbox"/> TRACKING PAD & TIRE WASHING (1057)  | <input checked="" type="checkbox"/> DUST CONTROL (1068)         |
| <input checked="" type="checkbox"/> MULCHING (1058)                     | <input checked="" type="checkbox"/> TURBIDITY BARRIER (1069)    |
| <input checked="" type="checkbox"/> SEEDING (1059)                      | <input type="checkbox"/> SILT CURTAIN (1070)                    |
| <input checked="" type="checkbox"/> STORM DRAIN INLET PROTECTION (1060) | <input type="checkbox"/> MANUFACTURED PERIMETER PRODUCTS (1071) |

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT OR REDUCE ALL OF THE FOLLOWING:

- DEPOSITION OR TRACKING OF SOIL ONTO STREETS BY VEHICLES.
- DISCHARGE OF SEDIMENT INTO STORM WATER INLETS.
- DISCHARGE OF SEDIMENT INTO ADJACENT STREAMS, RIVERS, LAKES AND WETLANDS.
- DISCHARGE OF SEDIMENT FROM DITCHES AND STORM SEWERS THAT FLOW OFFSITE.
- DISCHARGE OF SEDIMENT FROM DEWATERING ACTIVITIES.
- DISCHARGE OF SEDIMENT FROM SOIL STOCKPILES EXISTING FOR 7 DAYS OR MORE.
- DISCHARGE OF SEDIMENT FROM EROSION OUTLET FLOWS.
- TRANSPORT OF CHEMICALS, CEMENT AND BUILDING MATERIALS BY RUNOFF.
- TRANSPORT OF UNTREATED VEHICLE AND WHEEL WASH WATER BY RUNOFF.

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PREVENTATIVE MEASURES:

- PRESERVE EXISTING VEGETATION WHENEVER POSSIBLE.
- MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
- MINIMIZE LAND DISTURBANCES ON SLOPES OF 20% OR MORE.
- MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME.
- DIVERT CLEAR WATER AWAY FROM EXPOSED SOILS.
- TEMPORARILY STABILIZE EXPOSED SOILS THAT WILL NOT BE ACTIVE FOR 14 DAYS OR MORE. USE MULCHING, SEEDING, POLYACRYLAMIDE OR GRAVELING TO STABILIZE.
- PERMANENTLY STABILIZE EXPOSED SOILS AS SOON AS POSSIBLE.
- CONTRACTOR SHALL EDUCATE ITS EMPLOYEES AND SUBCONTRACTORS ABOUT PROPER SPILL PREVENTION AND RESPONSE PROCEDURES. IF A SPILL OCCURS, THE CONTRACTOR SHALL EVACUATE THE AREA AND IMMEDIATELY NOTIFY THE LOCAL MUNICIPALITY, FIRE DEPARTMENT OR 911 EMERGENCY SYSTEM. IF NO FIRE, EXPLOSION OR LIFE / HEALTH SAFETY HAZARD EXISTS, THE NEXT STEP IS TO CONTAIN THE SPILL AND PERFORM CLEANUP. USE DRY CLEANUP METHODS, NOT WET.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING BEST MANAGEMENT PRACTICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES BY THE END OF THE WORK DAY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING BEST MANAGEMENT PRACTICES TEMPORARILY REMOVED FOR CONSTRUCTION ACTIVITY AS SOON AS THOSE ACTIVITIES ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF TEMPORARY BEST MANAGEMENT PRACTICES AFTER CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION IS ESTABLISHED.

**INSPECTION & MAINTENANCE:**

THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING BEST MANAGEMENT PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE KEPT AT THE CONSTRUCTION SITE AND SHALL INCLUDE THE FOLLOWING INFORMATION: DATE, TIME, AND LOCATION OF INSPECTION; NAME OF INDIVIDUAL WHO PERFORMED THE INSPECTION; AN ASSESSMENT OF THE CONDITION OF BEST MANAGEMENT PRACTICES; A DESCRIPTION OF ANY BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED; AND A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING, MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%.

THE CONTRACTOR IS RESPONSIBLE FOR POSTING THE PERMIT IN A CONSPICUOUS LOCATION ON THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A COPY OF THE APPROVED REPORTS, PLANS, AMENDMENTS, INSPECTION REPORTS, AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER WHEN THE VEGETATIVE DENSITY REACHES AT LEAST 70%. THE OWNER IS RESPONSIBLE FOR TERMINATING DNR PERMIT COVERAGE.

**AMENDMENTS:**

THE CONTRACTOR IS RESPONSIBLE FOR AMENDING THE EROSION & SEDIMENT CONTROL PLAN IF: THERE IS A CHANGE IN CONSTRUCTION, OPERATION OR MAINTENANCE AT THE SITE WHICH HAS THE REASONABLE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS; THE ACTIONS REQUIRED BY THE PLAN FAIL TO REDUCE THE IMPACTS OF POLLUTANTS CARRIED BY CONSTRUCTION SITE RUNOFF; OR IF THE DNR NOTIFIES THE APPLICANT OF CHANGES NEEDED IN THE PLAN. THE DNR AND OWNER SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO MAKING CHANGES TO THE PLAN.

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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI ABBREVIATIONS, SYMBOLS & NOTES**

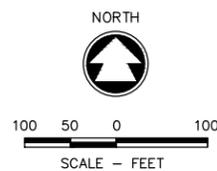
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PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>01</b>	

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HORIZONTAL CONTROL POINTS			
POINT #	NORTHING	EASTING	DESCRIPTION
2	588952.72	766399.30	MAG NAIL
53	589231.42	764948.90	MAG NAIL
54	589255.97	764943.59	MAG NAIL
55	589141.83	765195.18	MAG NAIL
56	589073.59	766241.94	MAG NAIL
57	588875.58	766194.77	MAG NAIL
90	589073.52	766647.16	MAG NAIL
92	588926.27	767285.85	MAG NAIL

VERTICAL BENCHMARK CONTROL		
POINT #	ELEVATION	DESCRIPTION
13	805.87	MAG NAIL IN LIGHT POLE 10-00626
14	797.35	SOUTH LIGHT POLE BASE
15	793.84	SOUTHEAST CORNER LIGHT POLE BASE
17	782.22	NAIL IN LIGHT POLE 55-319
18	774.12	DISK SOUTHEAST CORNER BRIDGE
40	784.27	HYDRANT TAG BOLT



**NOTE:**  
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PROPOSED SITE GRADES BY FIELD CHECKING TWO (2) BENCHMARKS AND A MINIMUM OF ONE (1) SITE FEATURE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ALSO VERIFY HORIZONTAL CONTROL BY FIELD CHECKING SEVERAL CONTROL POINTS AND SHALL IMMEDIATELY NOTIFY MCMAHON OF ANY DISCREPANCIES.

**VERTICAL DATUM**  
ELEVATIONS ARE REFERENCED TO NGS DATA:  
CONTROL POINT NAME: 4W51  
POINT ID: DE7465 NAVD 88 DATUM  
BY CONVENTIONAL LEVEL LOOP TO ELEVATION = 800.29 (2007 ADJUSTMENT)  
LEVEL LOOP PER FIELD BOOK 1294 PAGES 49-53

**HORIZONTAL DATUM:**  
COORDINATES ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM AS PUBLISHED FOR OUTAGAMIE COUNTY NAD 83 (1991)

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
SURVEY CONTROL DOWNTOWN**

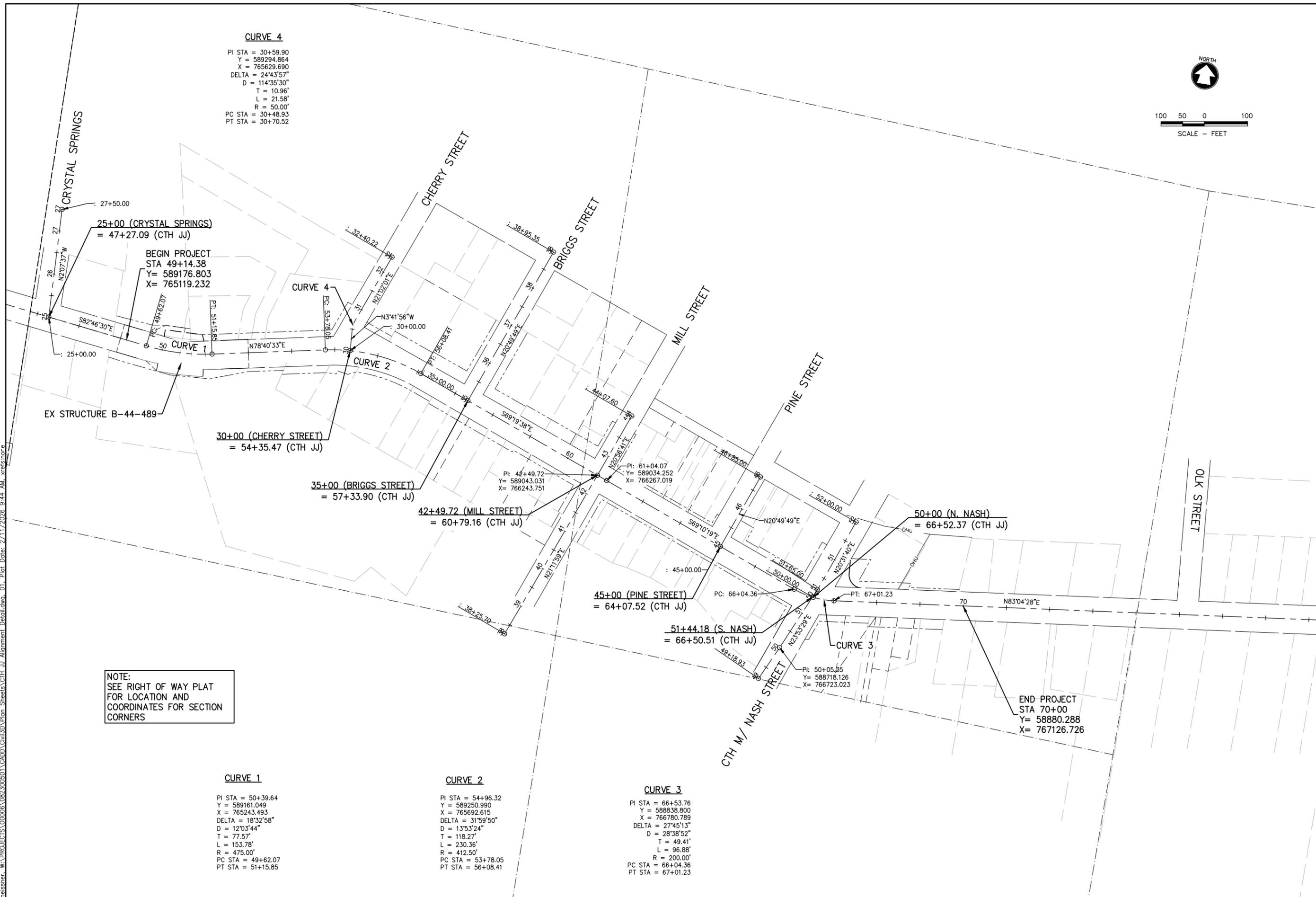
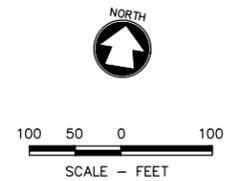
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>02</b>	

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**CURVE 4**  
 PI STA = 30+59.90  
 Y = 589294.864  
 X = 765629.690  
 DELTA = 24°43'57"  
 D = 114°35'30"  
 T = 10.96'  
 L = 21.58'  
 R = 50.00'  
 PC STA = 30+48.93  
 PT STA = 30+70.52



NOTE:  
 SEE RIGHT OF WAY PLAT  
 FOR LOCATION AND  
 COORDINATES FOR SECTION  
 CORNERS

**CURVE 1**  
 PI STA = 50+39.64  
 Y = 589161.049  
 X = 765243.493  
 DELTA = 18°32'58"  
 D = 12°03'44"  
 T = 77.57'  
 L = 153.78'  
 R = 475.00'  
 PC STA = 49+62.07  
 PT STA = 51+15.85

**CURVE 2**  
 PI STA = 54+96.32  
 Y = 589250.990  
 X = 765692.615  
 DELTA = 31°59'50"  
 D = 13°53'24"  
 T = 118.27'  
 L = 230.36'  
 R = 412.50'  
 PC STA = 53+78.05  
 PT STA = 56+08.41

**CURVE 3**  
 PI STA = 66+53.76  
 Y = 588838.800  
 X = 766780.789  
 DELTA = 27°45'13"  
 D = 28°38'52"  
 T = 49.41'  
 L = 96.88'  
 R = 200.00'  
 PC STA = 66+04.36  
 PT STA = 67+01.23

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 PH 920.751.4200 FX 920.751.4284 MCINGRFP.COM

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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 PROJECT OVERVIEW & HORIZONTAL ALIGNMENT DETAIL**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>03</b>	

I:\projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH\_JJ\_Detour-DT.dwg, 2/23/24, Plot Date: 2/11/2026 9:44 AM, xreference

- LEGEND:**
-  POST MOUNTED SIGN
  -  CTH JJ DETOUR ROUTE
  -  DETOUR ROUTE FOR PROJECT ID 6517-16-71 (STH 76 AND CTH JJ ROUNDABOUT)
  -  PORTABLE CHANGEABLE MESSAGE SIGN

- NOTES:**
- ① REFER TO SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" (DETAIL B - MAINLINE CLOSURE WITH POSTED DETOUR)
  - ①A REFER TO SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURE (DETAIL A-MAINLINE CLOSURE WITH POSTED DETOUR)
  - ② REFER TO SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" (DETAIL E - LANE CLOSURE BARRICADE DETAIL, ROAD CLOSURE TO THRU TRAFFIC)
  - ③ REFER TO SDD "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" (DETAIL D - ROAD CLOSURE BARRICADE DETAIL, ROAD CLOSED TO TRAFFIC)
  - ④ REFER TO SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" (DETAIL 4 - CONTRACTOR, LOCAL BUSINESS, AND RESIDENT ACCESS TO PROJECT)
  - ⑤ REFER TO SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" (DETAIL 1 - NO ACCESS TO PROJECT)
  - ⑥ REFER TO SPECIAL PROVISIONS FOR STAGING REQUIREMENTS FOR THE INTERSECTION OF CTH JJ AND NASH STREET

**PCMS INFORMATION:**  
 SCREEN 1: ROAD TO CLOSE  
 SCREEN 2: (DAY, DATE)  
 NOTE: PCMS BOARDS TO BE PLACED 7 DAYS PRIOR TO CLOSING CTH JJ (W. MAIN STREET)

**SIGNS:**

**A**

 M1-5A 24"x24"  
 W2022A

**B**

 M4-8 24"x12"  
 M3-4 24"x12"  
 M1-5A 24"x24"  
 M6-1 21"x21"

**C**

 M4-8 24"x12"  
 M1-5A 24"x24"  
 M6-1 21"x21"  


**D**

 M4-8 24"x12"  
 M3-2 24"x12"  
 M1-5A 24"x24"  
 M6-1 21"x21"  
 M4-8A 24"x18"

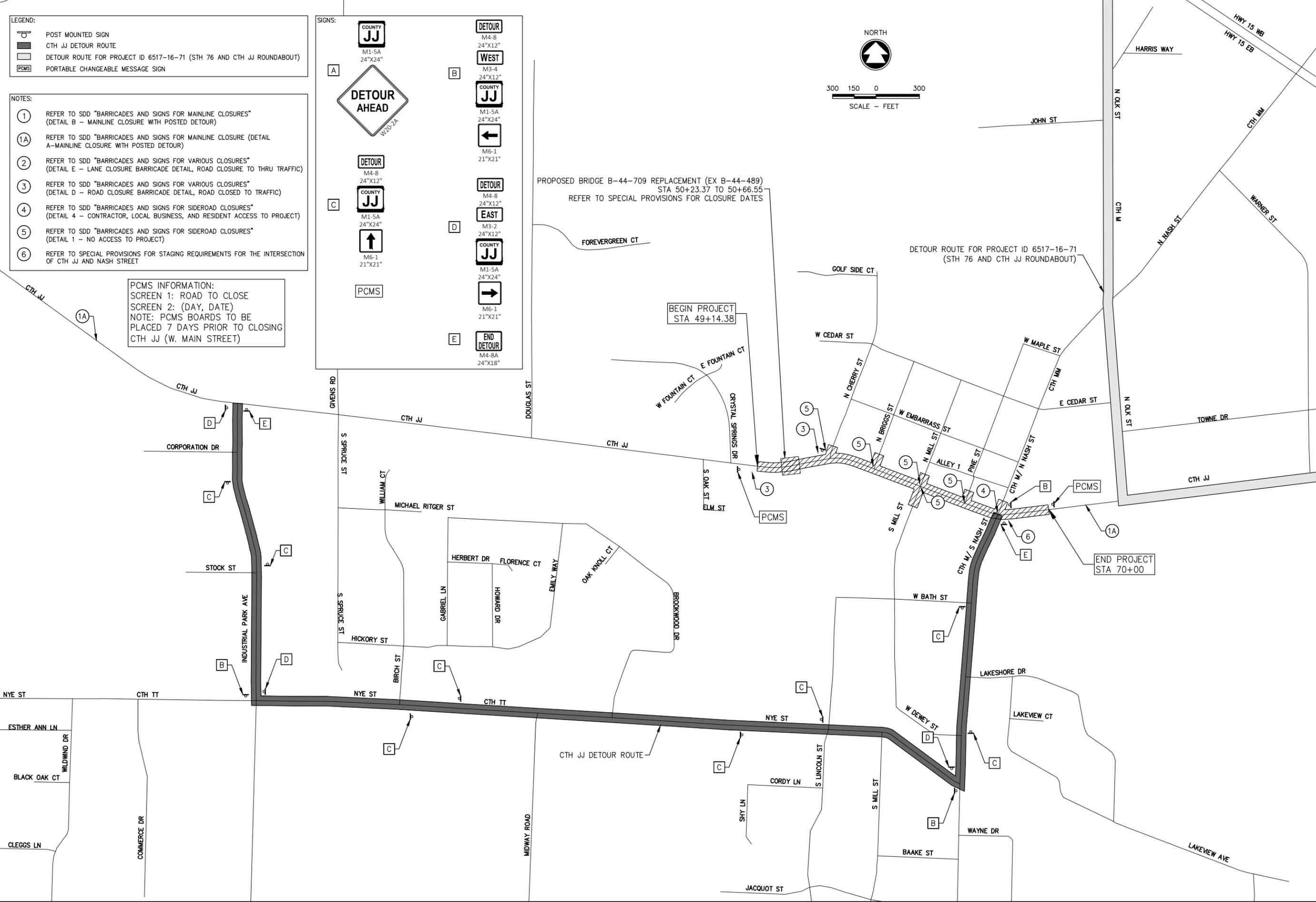
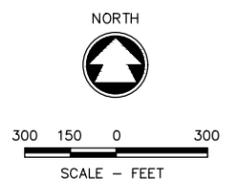
**E**

 M4-8A 24"x18"

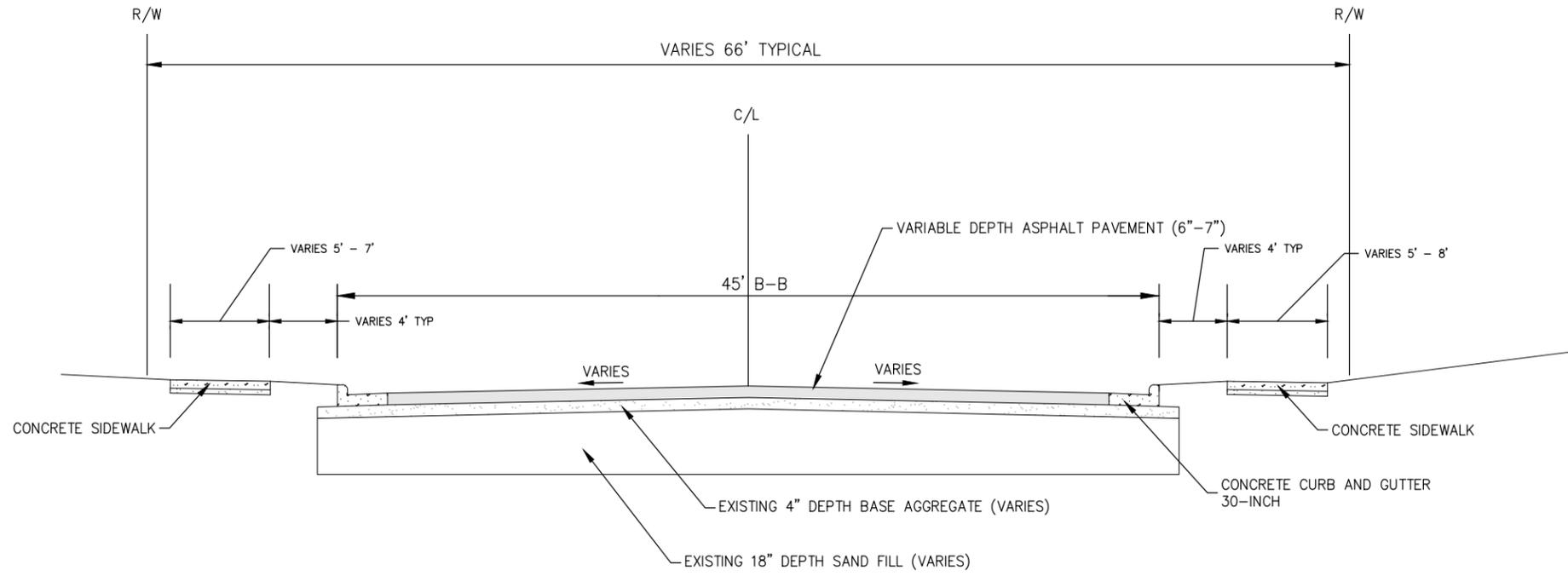
PROPOSED BRIDGE B-44-709 REPLACEMENT (EX B-44-489)  
 STA 50+23.37 TO 50+66.55  
 REFER TO SPECIAL PROVISIONS FOR CLOSURE DATES

BEGIN PROJECT  
 STA 49+14.38

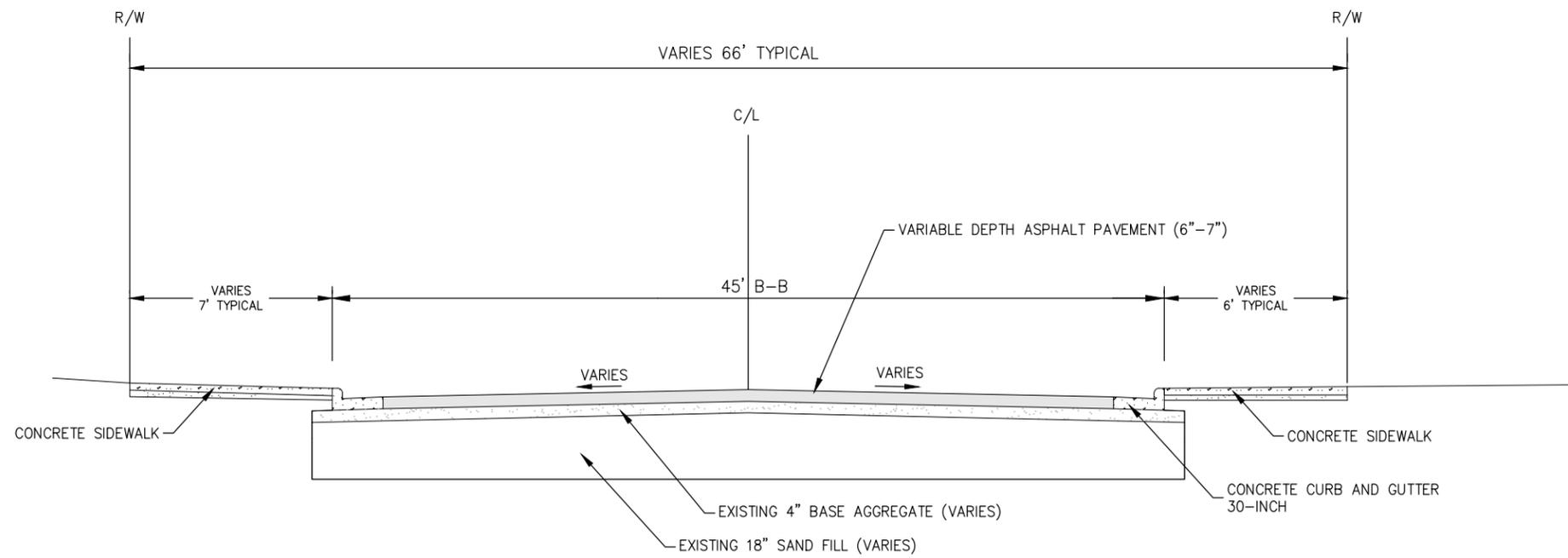
END PROJECT  
 STA 70+00



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**TYPICAL EXISTING SECTION - CTH JJ**  
 49+14.38 TO 55+00 LT & RT  
 66+50 TO 70+00 LT & RT



**TYPICAL EXISTING SECTION - CTH JJ**  
 55+00 TO 66+50

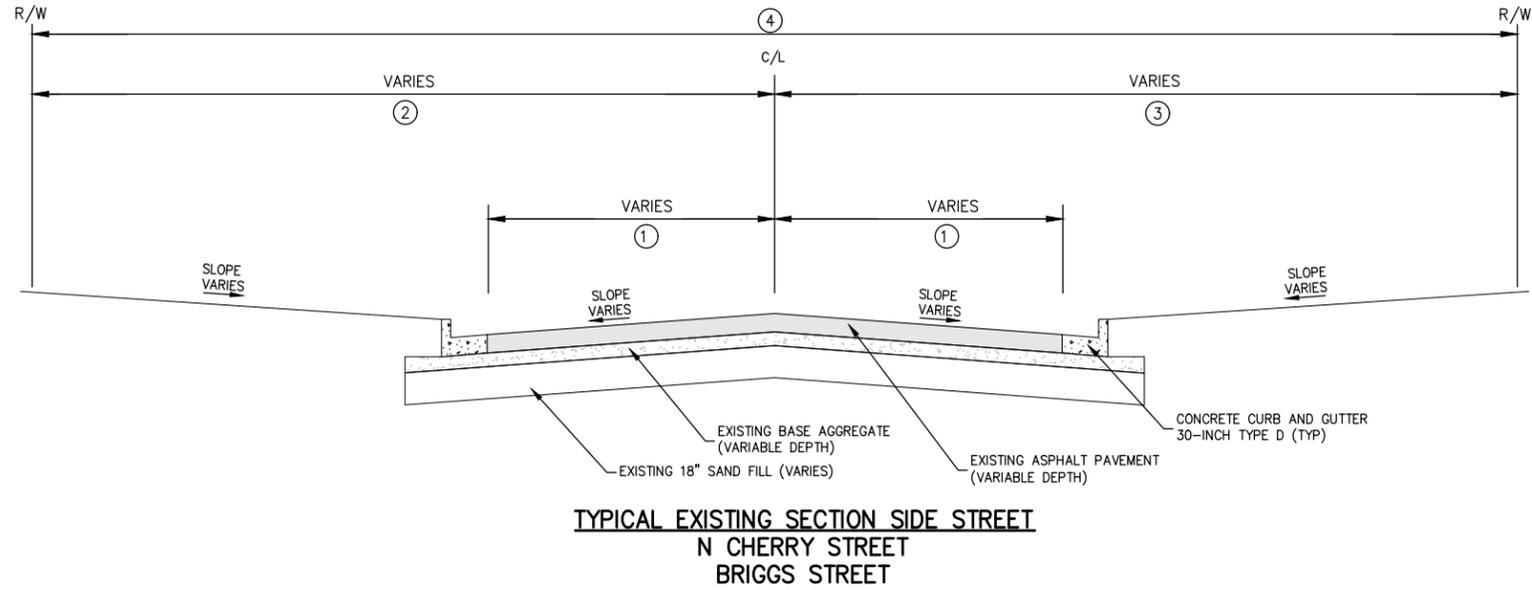
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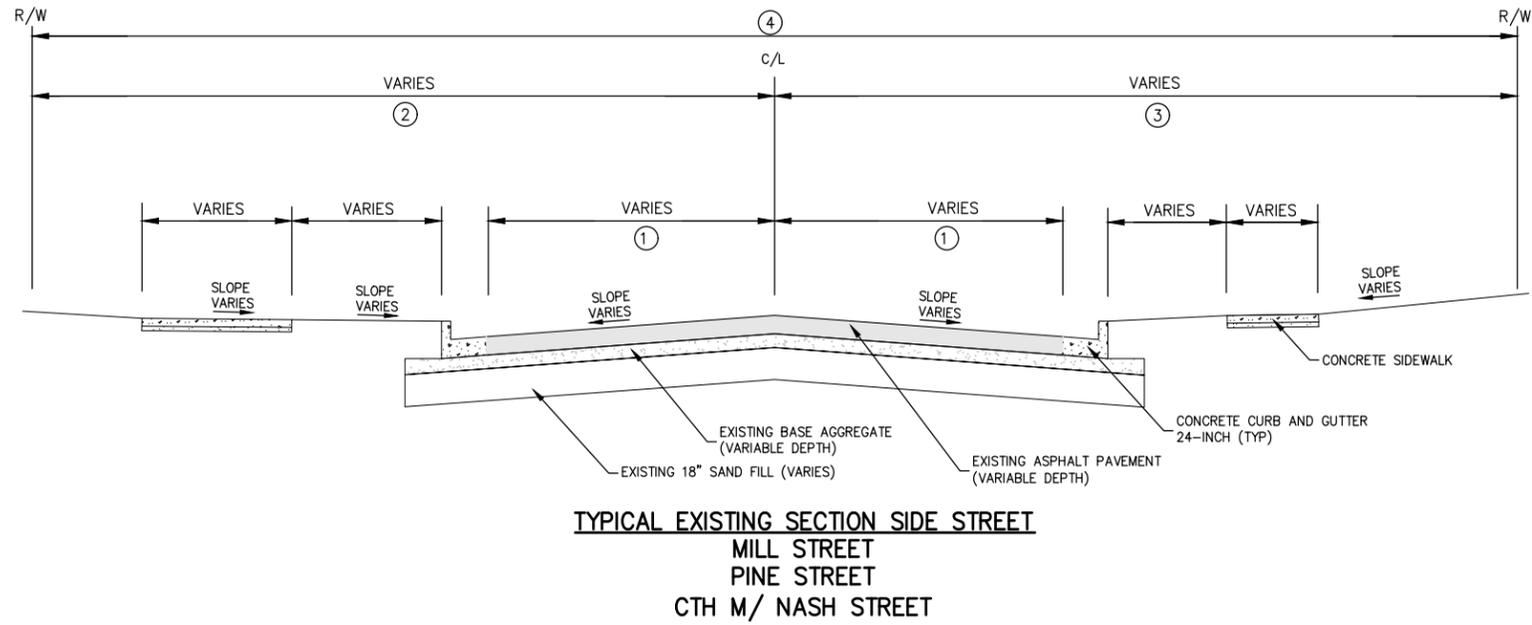
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**TYPICAL SECTIONS**

DESIGNED	DRAWN
CRS	CRS
PROJECT NO.	
00006 08-23-00501	
DATE	
2026	
SHEET NO.	
<b>05</b>	

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STREET TABLE				
STREET	①	②	③	④
N CHERRY STREET	16.2 LT, 16.6 RT	24.5	25.5	50
BRIGGS STREET	16.3	26.4	23.6	50



STREET TABLE				
STREET	①	②	③	④
MILL STREET	15.3 LT, 16.7 RT	24.6	24.9	49.5
PINE STREET	12.2-27.8 LT, 12.2-26.2 RT	38.8	10.7	49.5
BRIGGS STREET	16.3	33.3	31.7	65



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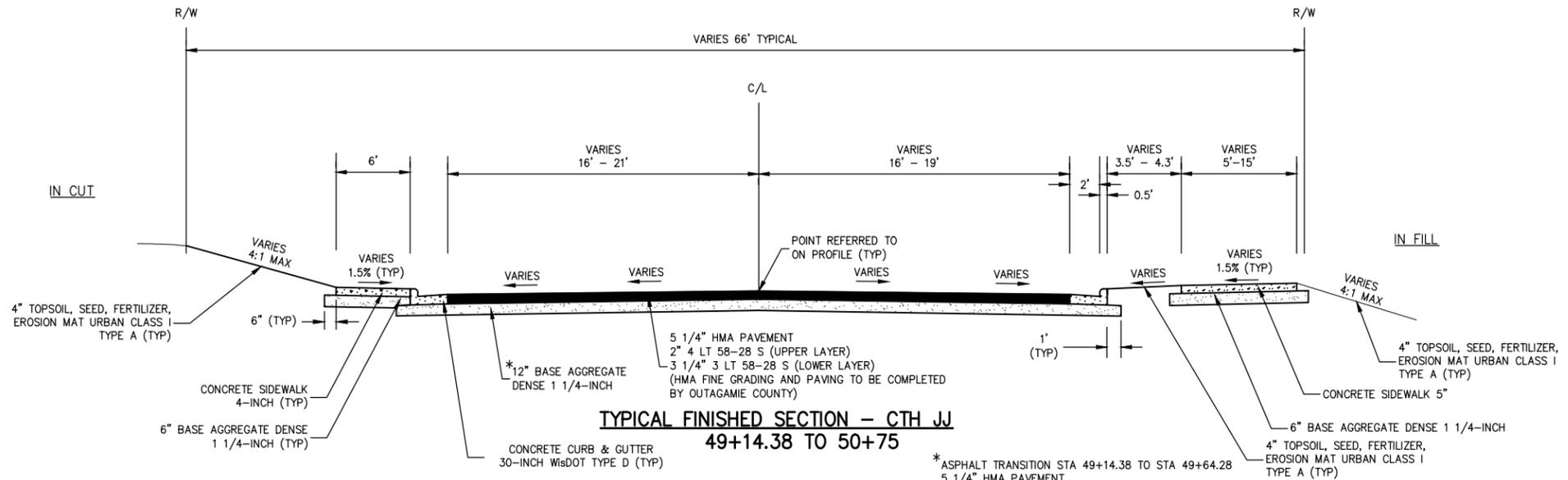
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**CTH JJ (STH 15) RECONSTRUCTION  
 HORTONVILLE, OUTAGAMIE COUNTY, WI  
 TYPICAL SECTIONS**

DESIGNED CRS	DRAWN CRS
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>06</b>	

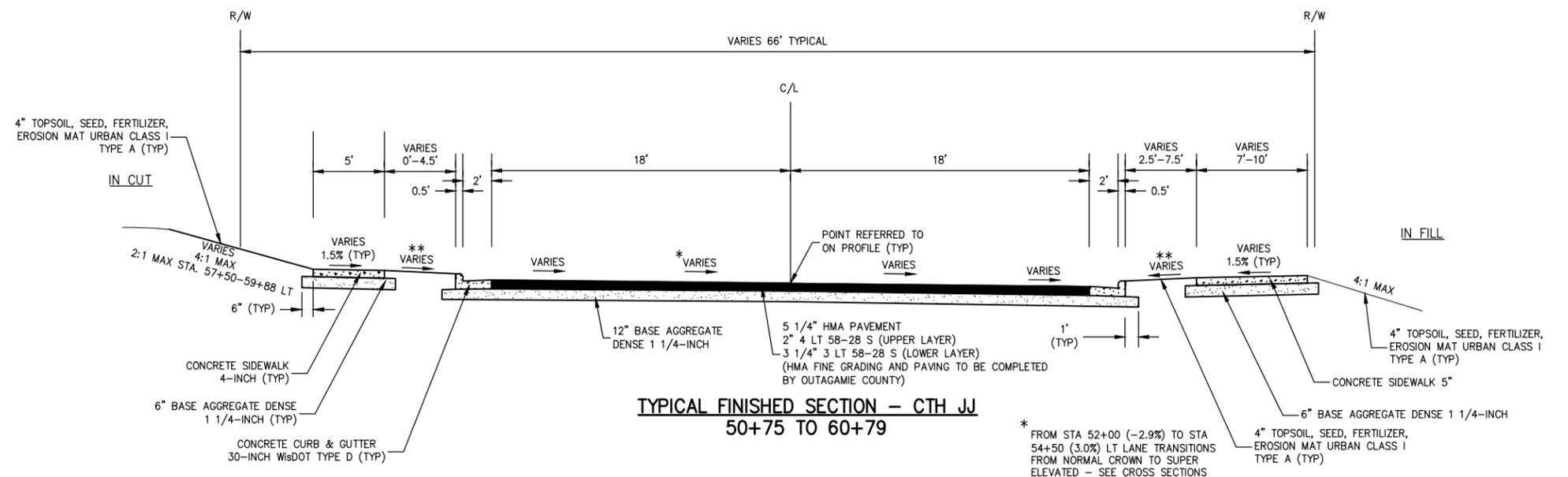
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**TYPICAL FINISHED SECTION - CTH JJ**  
49+14.38 TO 50+75

\* ASPHALT TRANSITION STA 49+14.38 TO STA 49+64.28  
5 1/4" HMA PAVEMENT  
2" 4 LT 58-28 S (UPPER LAYER)  
3 1/4" 3 LT 58-28 S (LOWER LAYER)  
PAVEMENT REPLACEMENT ONLY  
(HMA PAVING BY OUTAGAMIE COUNTY)

NOTE:  
CONCRETE PAVEMENT APPROACH SLAB  
STA 50+06-STA 50+23 / STA 50+67-STA 50+83  
  
BRIDGE STRUCTURE B-44-709  
STA. 50+23.37-STA. 50+66.55



**TYPICAL FINISHED SECTION - CTH JJ**  
50+75 TO 60+79

\* FROM STA 52+00 (-2.9%) TO STA 54+50 (3.0%) LT LANE TRANSITIONS FROM NORMAL CROWN TO SUPER ELEVATED - SEE CROSS SECTIONS  
  
\*\* LT: STA 50+75 TO STA 59+88.85 GRASS TERRACE. STA 59+88.85 TO STA 60+79 CONCRETE TERRACE  
RT: STA 50+75 TO STA 58+34.61 GRASS TERRACE. STA 58+64.61 TO STA 60+79 CONCRETE TERRACE

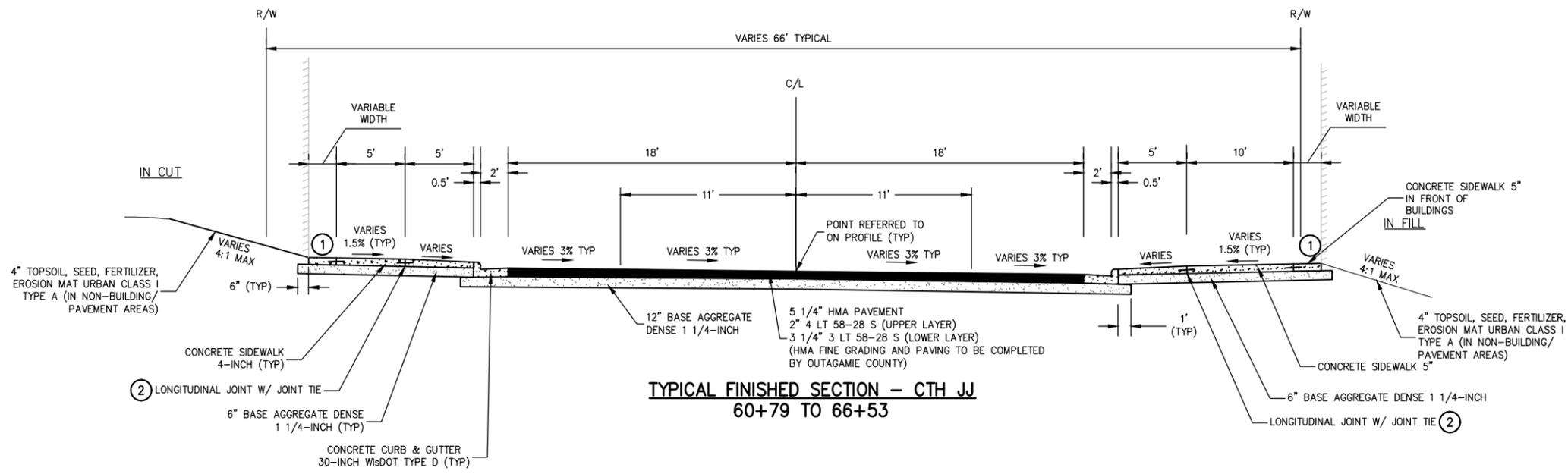
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**CTH JJ (STH 15) RECONSTRUCTION**  
**HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**TYPICAL SECTIONS**

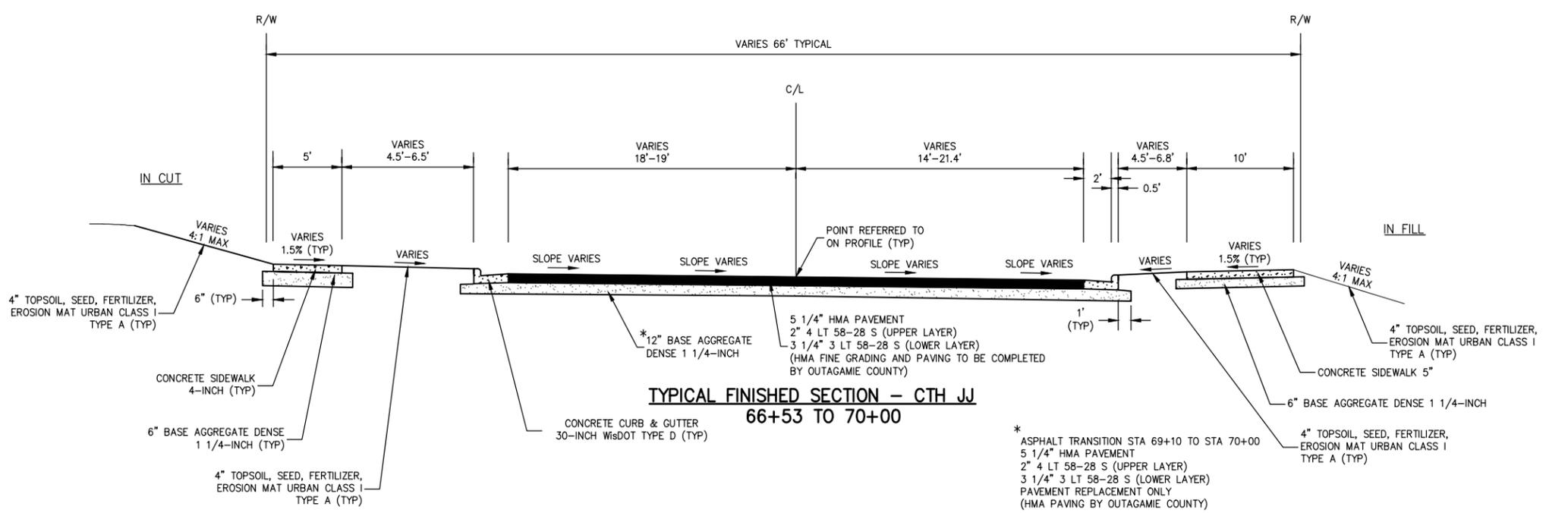
DESIGNED CRS	DRAWN CRS
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>07</b>	

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**TYPICAL FINISHED SECTION - CTH JJ  
60+79 TO 66+53**

- ① SLOPE VARIES ADJACENT TO BUILDINGS, MAX 5"
- ② SEE PLAN SHEET 20



**TYPICAL FINISHED SECTION - CTH JJ  
66+53 TO 70+00**

\* ASPHALT TRANSITION STA 69+10 TO STA 70+00  
 5 1/4" HMA PAVEMENT  
 2" 4 LT 58-28 S (UPPER LAYER)  
 3 1/4" 3 LT 58-28 S (LOWER LAYER)  
 PAVEMENT REPLACEMENT ONLY  
 (HMA PAVING BY OUTAGAMIE COUNTY)

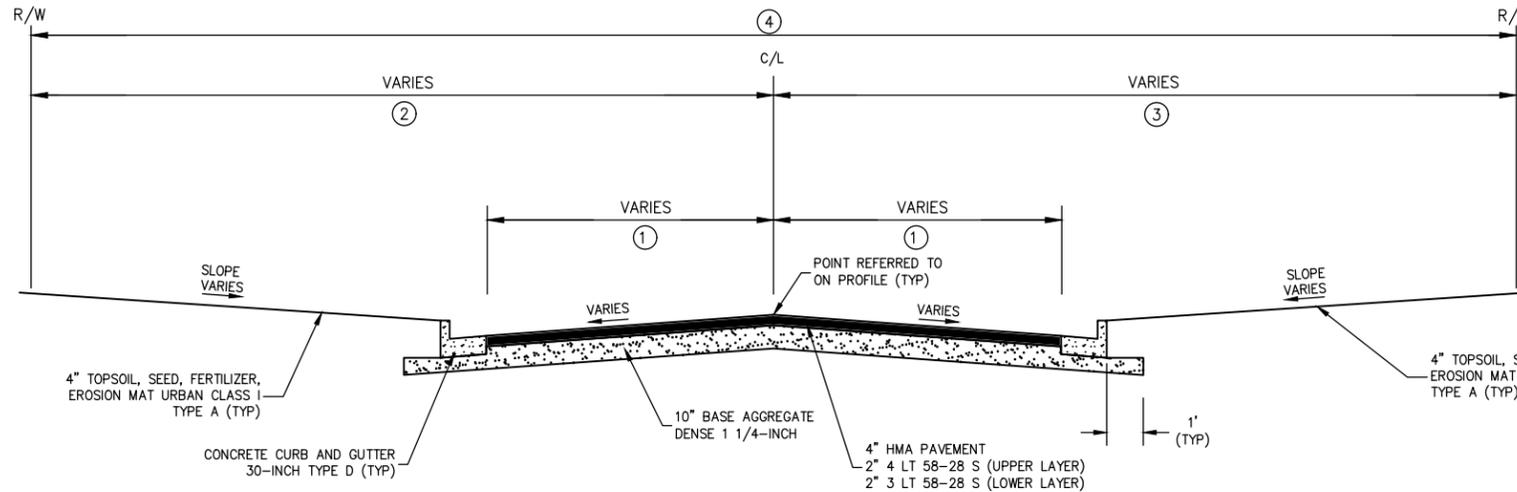
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NO.	DATE	REVISION

**CTH JJ (STH 15) RECONSTRUCTION  
 HORTONVILLE, OUTAGAMIE COUNTY, WI  
 TYPICAL SECTIONS**

DESIGNED CRS	DRAWN CRS
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>08</b>	

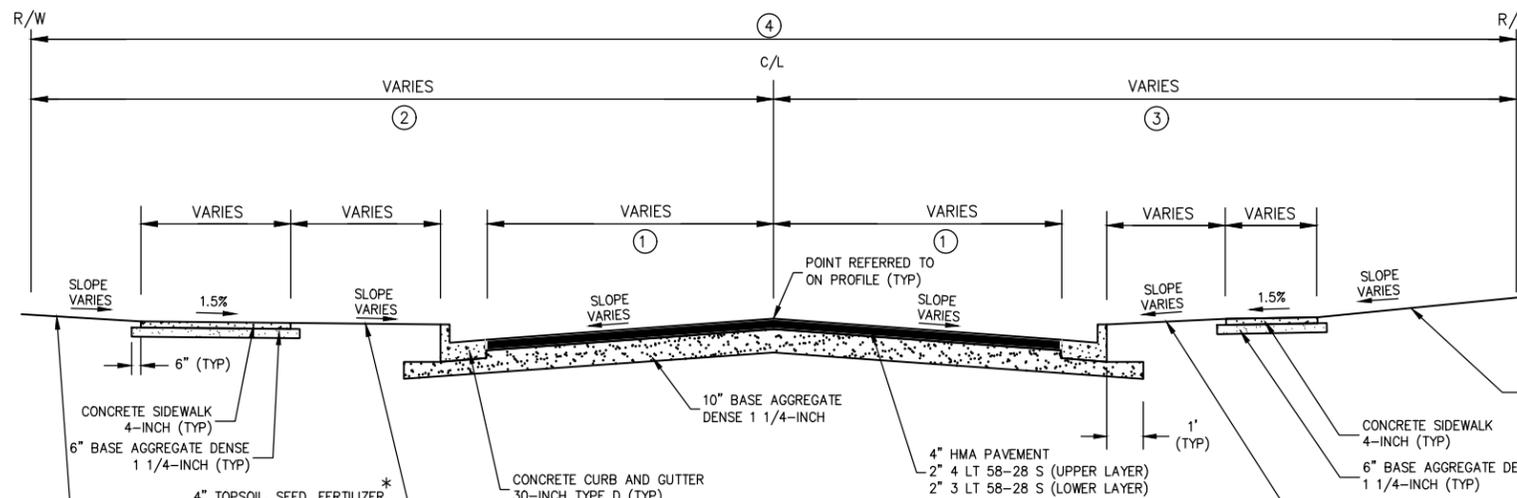
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**FINISHED TYPICAL SECTION SIDE STREET  
N CHERRY STREET  
BRIGGS STREET**

NOTE: HMA PAVEMENT STRUCTURE TO MATCH CTH JJ  
TYPICAL SECTION TO LIMITS SHOWN ON PAVING DETAILS

STREET TABLE				
	①	②	③	④
STREET	WIDTH IN FEET	WIDTH IN FEET	WIDTH IN FEET	WIDTH IN FEET
N CHERRY STREET	16	24.5	25.5	50
NASH STREET	16.3	26.4	23.6	50



**FINISHED TYPICAL SECTION SIDE STREET  
MILL STREET  
PINE STREET  
CTH M/ NASH STREET**

NOTE: HMA PAVEMENT STRUCTURE TO MATCH CTH JJ  
TYPICAL SECTION TO LIMITS SHOWN ON PAVING DETAILS

STREET TABLE				
	①	②	③	④
STREET	WIDTH IN FEET	WIDTH IN FEET	WIDTH IN FEET	WIDTH IN FEET
MILL STREET	16	24.6	24.9	49.5
PINE STREET	12-27.5 LT, 12-26 RT	38.8	10.7	49.5
NASH STREET	15-22.5 LT, VARIES RT	33.3	31.7	65

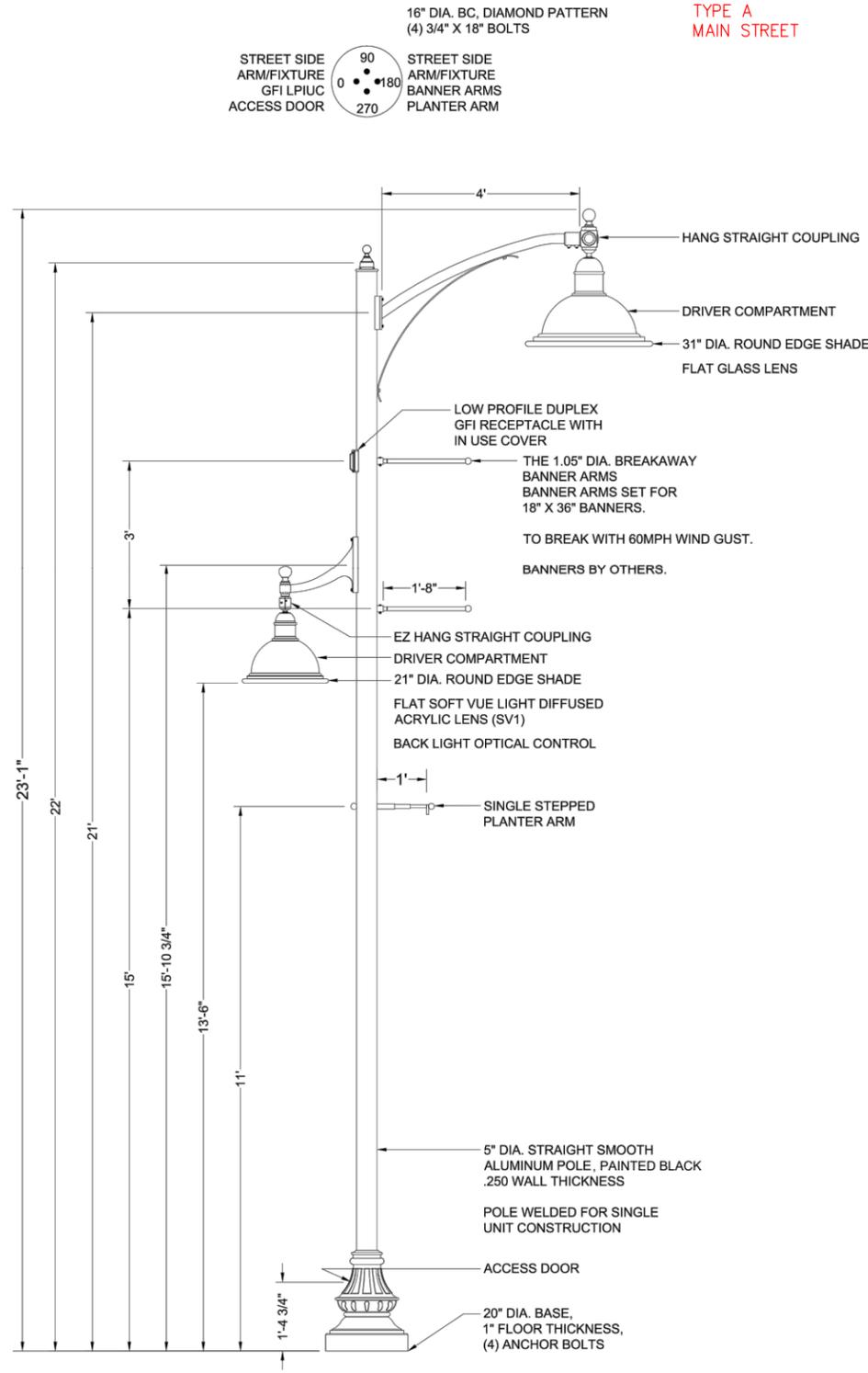
\* INTEGRAL SIDEWALK (NO TERRACE) ON MILL STREET AND  
THE WEST SIDE OF NASH STREET SOUTH OF CTH JJ

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**CTH JJ (STH 15) RECONSTRUCTION  
HORTONVILLE, OUTAGAMIE COUNTY, WI  
TYPICAL SECTIONS**

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STREET SIDE  
ARM/FIXTURE  
GFI LPIUC  
ACCESS DOOR

16" DIA. BC, DIAMOND PATTERN  
(4) 3/4" X 18" BOLTS

TYPE A  
MAIN STREET

STREET SIDE  
ARM/FIXTURE  
BANNER ARMS  
PLANTER ARM

HANG STRAIGHT COUPLING  
DRIVER COMPARTMENT  
31" DIA. ROUND EDGE SHADE  
FLAT GLASS LENS

LOW PROFILE DUPLEX  
GFI RECEPTACLE WITH  
IN USE COVER

THE 1.05" DIA. BREAKAWAY  
BANNER ARMS  
BANNER ARMS SET FOR  
18" X 36" BANNERS.

TO BREAK WITH 60MPH WIND GUST.  
BANNERS BY OTHERS.

1'-8"

EZ HANG STRAIGHT COUPLING  
DRIVER COMPARTMENT  
21" DIA. ROUND EDGE SHADE  
FLAT SOFT VUE LIGHT DIFFUSED  
ACRYLIC LENS (SV1)  
BACK LIGHT OPTICAL CONTROL

1'-1"  
SINGLE STEPPED  
PLANTER ARM

5" DIA. STRAIGHT SMOOTH  
ALUMINUM POLE, PAINTED BLACK  
.250 WALL THICKNESS

POLE WELDED FOR SINGLE  
UNIT CONSTRUCTION

ACCESS DOOR

20" DIA. BASE,  
1" FLOOR THICKNESS,  
(4) ANCHOR BOLTS

CATALOG NO: 1A-1531LED-R-40L40T3-MDL016-FG-HSHB/CSA4/1AM-152/LED-R-12L40T3-MDL008-SV1-BLOC-EZ/480-D-H-B-PMR/5222P5-.250-BCC-GFI LPIUC-BDBAG-18x36-SSPABK Type: MAIN ST

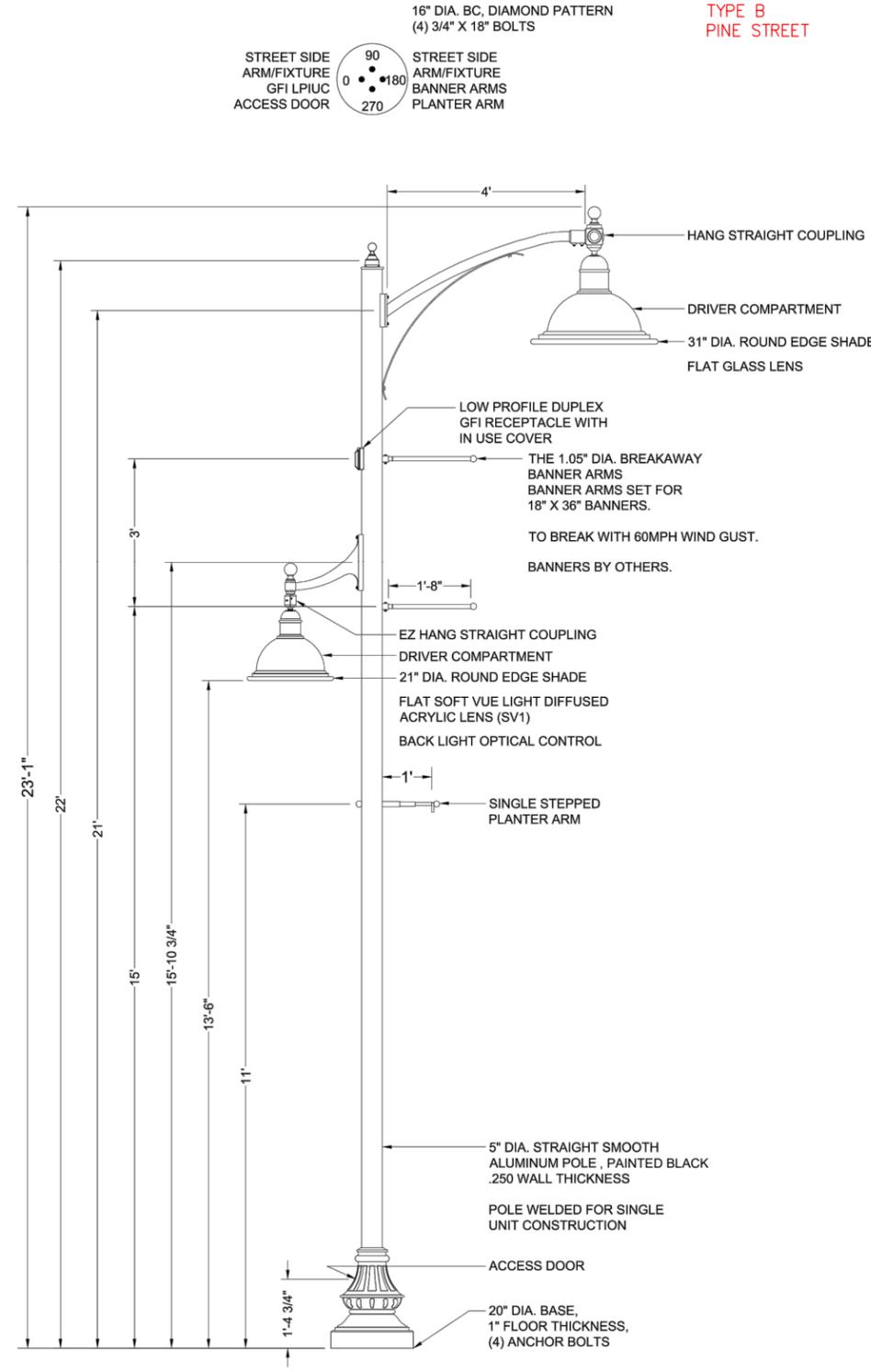
DATE: 12/12/25 DRAWN: EH CHECKED: - REVISION: B

DRAWING NO: SC53319

JOB NAME: HORTONVILLE MAIN STREET LOCATION: HORTONVILLE, WI

REV	DATE	DESCRIPTION
B	12/12/25	UPDATED FINISH TO BK
A	10/6/25	ORIGINAL
REV		REVISIONS

TOLERANCES POLE: +/- .2" BANNER ARM SPACING: +/- 0.25" MOUNTING HT. FOR POLE ACCESSORIES: +/- 0.5"



STREET SIDE  
ARM/FIXTURE  
GFI LPIUC  
ACCESS DOOR

16" DIA. BC, DIAMOND PATTERN  
(4) 3/4" X 18" BOLTS

TYPE B  
PINE STREET

STREET SIDE  
ARM/FIXTURE  
BANNER ARMS  
PLANTER ARM

HANG STRAIGHT COUPLING  
DRIVER COMPARTMENT  
31" DIA. ROUND EDGE SHADE  
FLAT GLASS LENS

LOW PROFILE DUPLEX  
GFI RECEPTACLE WITH  
IN USE COVER

THE 1.05" DIA. BREAKAWAY  
BANNER ARMS  
BANNER ARMS SET FOR  
18" X 36" BANNERS.

TO BREAK WITH 60MPH WIND GUST.  
BANNERS BY OTHERS.

1'-8"

EZ HANG STRAIGHT COUPLING  
DRIVER COMPARTMENT  
21" DIA. ROUND EDGE SHADE  
FLAT SOFT VUE LIGHT DIFFUSED  
ACRYLIC LENS (SV1)  
BACK LIGHT OPTICAL CONTROL

1'-1"  
SINGLE STEPPED  
PLANTER ARM

5" DIA. STRAIGHT SMOOTH  
ALUMINUM POLE, PAINTED BLACK  
.250 WALL THICKNESS

POLE WELDED FOR SINGLE  
UNIT CONSTRUCTION

ACCESS DOOR

20" DIA. BASE,  
1" FLOOR THICKNESS,  
(4) ANCHOR BOLTS

CATALOG NO: 1A-1531LED-R-24L40T3-MDL018-FG-HSHB/CSA4/1AM-152/LED-R-12L40T2-MDL008-SV1-BLOC-EZ/480-D-H-B-PMR/5222P5-.250-BCC-GFI LPIUC-BDBAG-18x36-SSPABK Type: PINE ST

DATE: 12/12/25 DRAWN: EH CHECKED: - REVISION: B

DRAWING NO: SC53320

JOB NAME: HORTONVILLE MAIN STREET LOCATION: HORTONVILLE, WI

REV	DATE	DESCRIPTION
B	12/12/25	UPDATED FINISH TO BK
A	10/7/25	ORIGINAL
REV		REVISIONS

TOLERANCES POLE: +/- .2" BANNER ARM SPACING: +/- 0.25" MOUNTING HT. FOR POLE ACCESSORIES: +/- 0.5"

CATALOG NO: 1A-1531LED-R-24L40T3-MDL018-FG-HSHB/CSA4/1AM-152/LED-R-12L40T2-MDL008-SV1-BLOC-EZ/480-D-H-B-PMR/5222P5-.250-BCC-GFI LPIUC-BDBAG-18x36-SSPABK Type: PINE ST

DATE: 12/12/25 DRAWN: EH CHECKED: - REVISION: B

DRAWING NO: SC53320

JOB NAME: HORTONVILLE MAIN STREET LOCATION: HORTONVILLE, WI

REV	DATE	DESCRIPTION
B	12/12/25	UPDATED FINISH TO BK
A	10/7/25	ORIGINAL
REV		REVISIONS

TOLERANCES POLE: +/- .2" BANNER ARM SPACING: +/- 0.25" MOUNTING HT. FOR POLE ACCESSORIES: +/- 0.5"

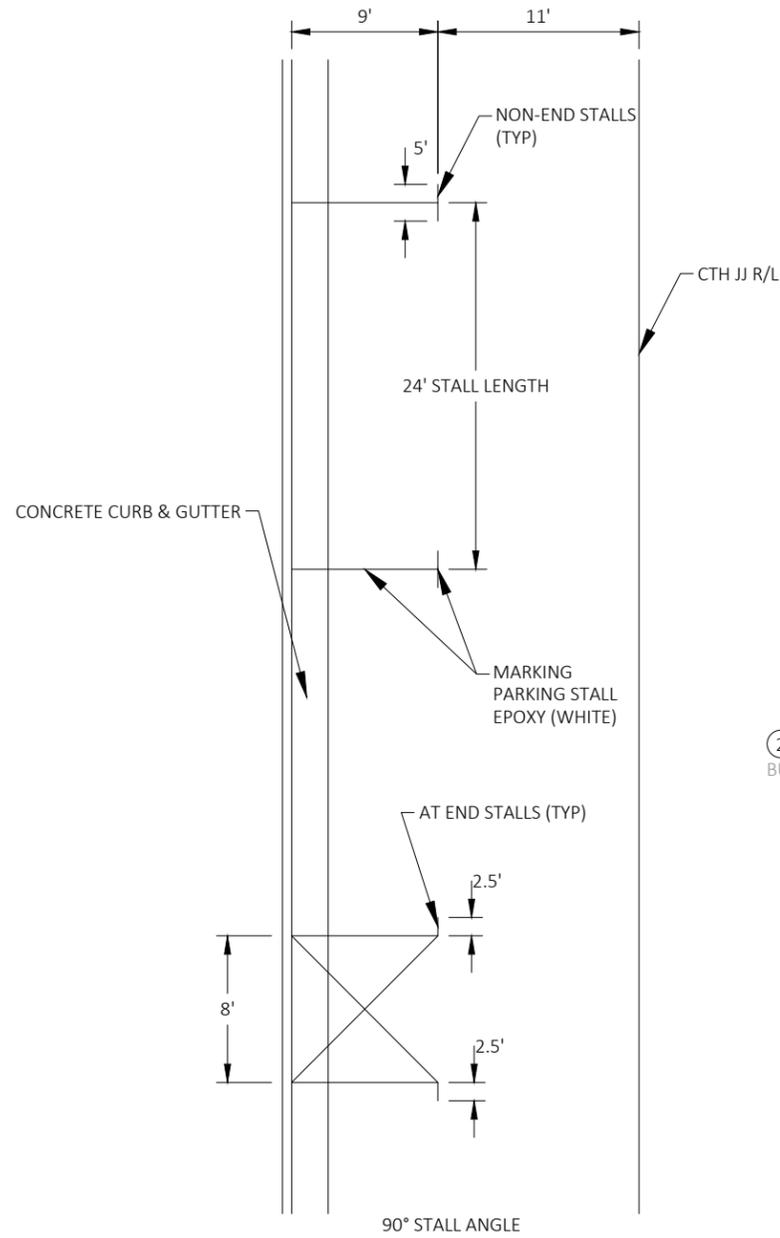
CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. 10	

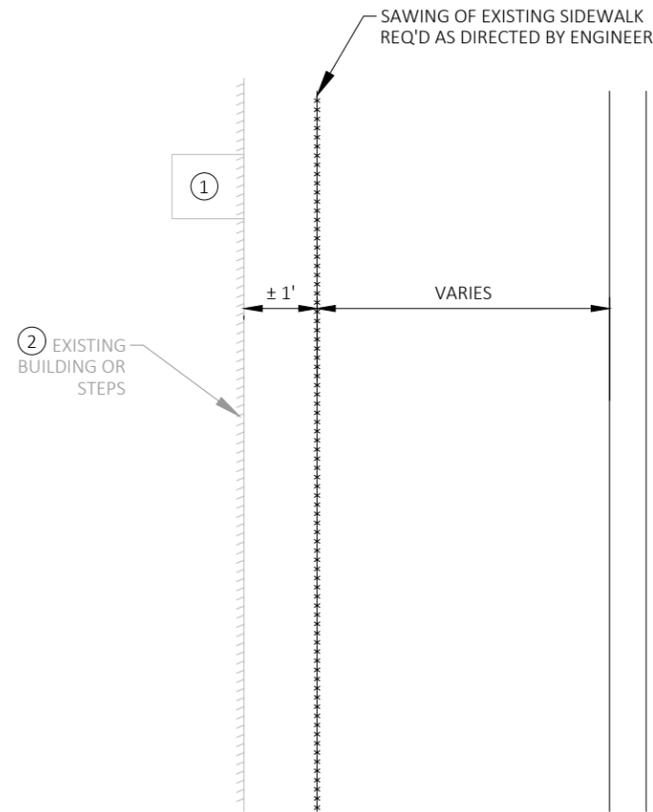
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ENGINEERS ARCHITECTS

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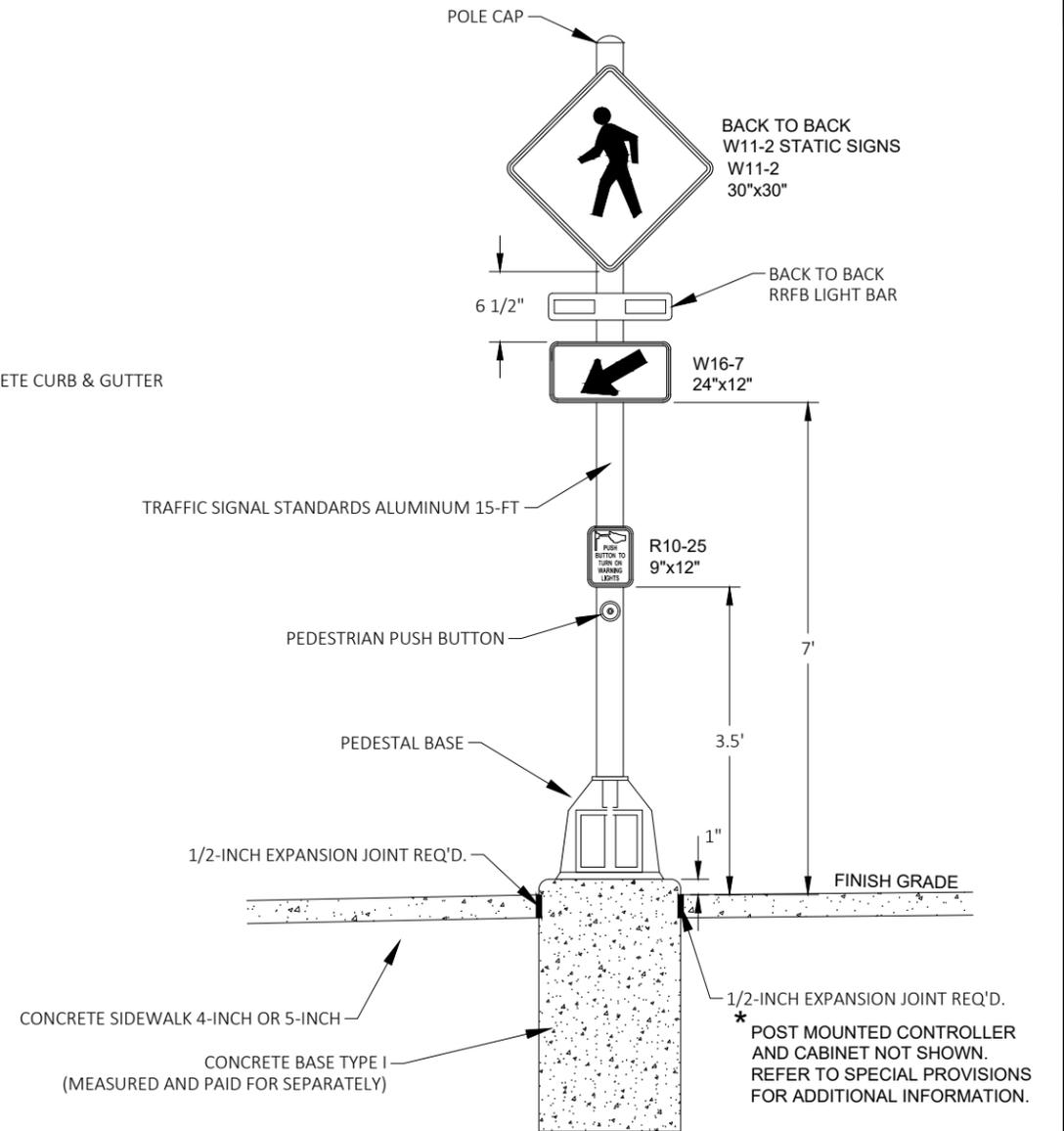
**PARALLEL PARKING DETAIL**  
(SEE PLAN DETAILS FOR LOCATIONS)



**REMOVING EXISTING SIDEWALK ADJACENT TO BUILDING DETAIL**  
(AT BUILDING)

NOTE: REMOVE SIDEWALK TO THE FACE OF BUILDING WITHOUT DAMAGING EXISTING BUILDING, USING METHODS APPROVED BY ENGINEER.

- ① BUILDING ENTRYWAYS TO REMAIN
- ② STEPS AT BUILDING ENTRYWAYS TO REMAIN



**120 VAC POWERED WARNING RRFB CROSSWALK SYSTEM**  
ASSEMBLY DETAIL

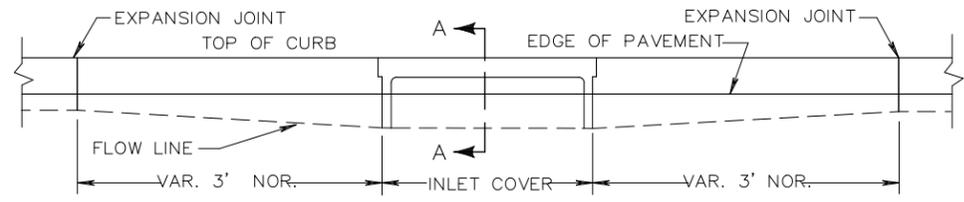
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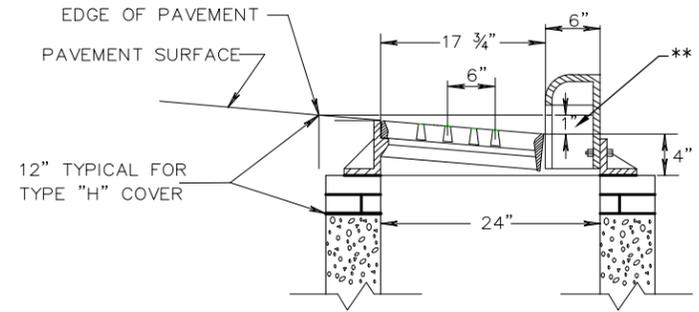
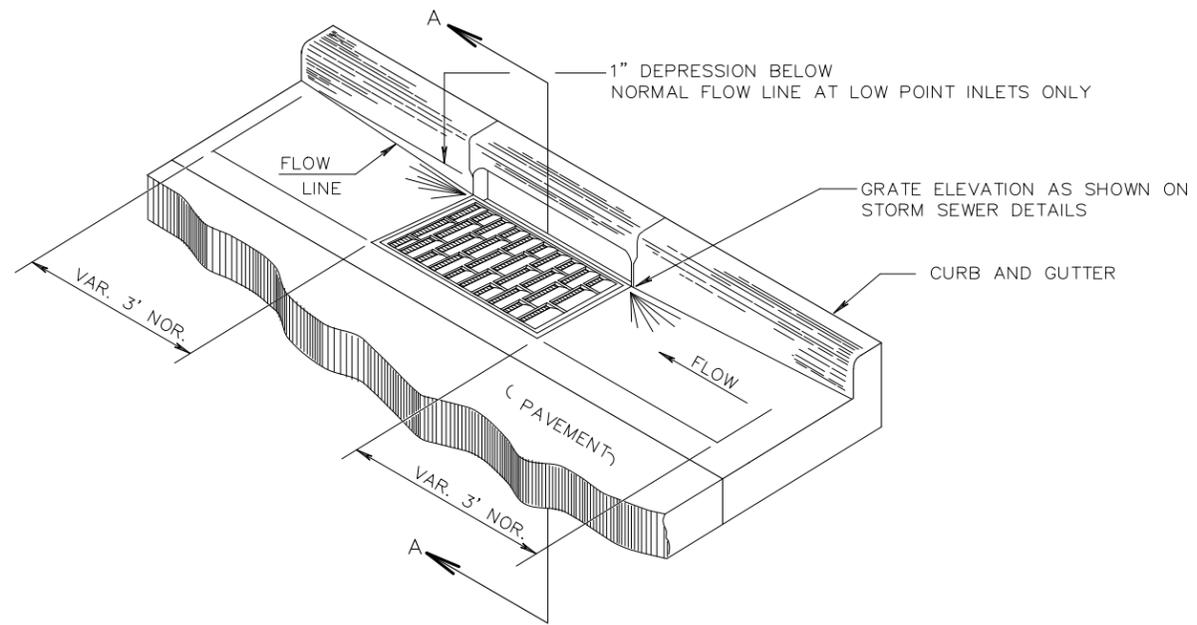
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	11

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ELEVATION

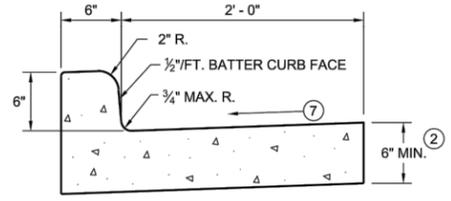


SECTION A-A

**DETAIL OF CURB AND GUTTER AT INLETS (LOW POINTS)**

(TYPE 3-H INLET SHOWN)

\*\* INLETS 16.1, 16.2, 16.3, 16.4 = 2-INCH FALL



TYPES A<sup>①</sup> & D

**CONCRETE CURB AND GUTTER 30"**

**GENERAL NOTES**

DETAILS OF CONSTRUCTION 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 AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

- ① TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
- ② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
- ④ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- ⑤ UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
- ⑥ WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
- ⑦ USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
- ⑧ INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.
- ⑨ SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY

**CONCRETE CURB AND GUTTER**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**SDD 08D01-24a**

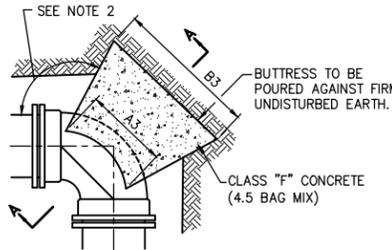


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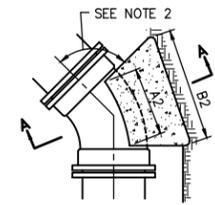
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

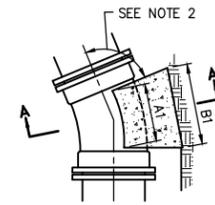
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>12</b>	



PLAN - 90° BEND



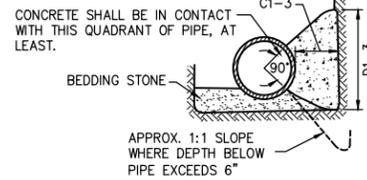
PLAN - 45° BEND



PLAN - 22-1/2° BEND

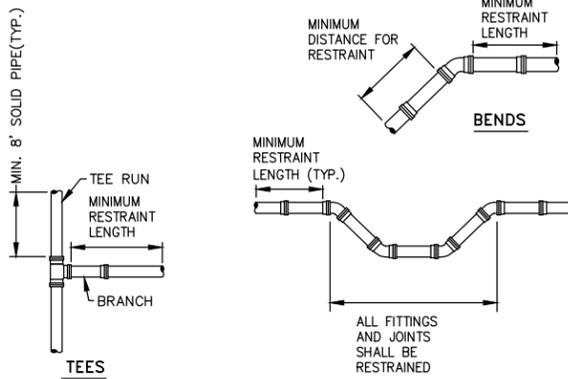
- NOTES:
- DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
  - DIMENSION C1-3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45°.
  - DIMENSION A1-3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH M.J. BOLTS.
  - SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.
  - ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.

PIPE SIZE	22-1/2° BENDS		45° BENDS		90° BENDS	
	B1	D1	B2	D2	B3	D3
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"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-0"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	3'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
30"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"

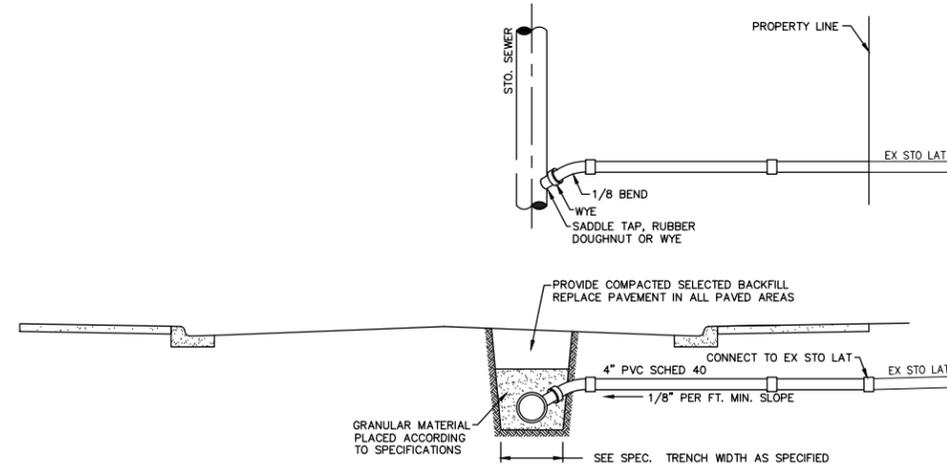


SECTION A-A  
**BLOCKING FOR BENDS**

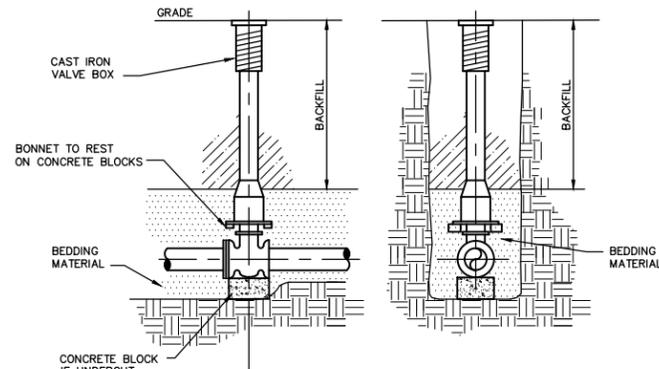
Fitting Type/Nominal Size	6"	8"	12"	16"
11 1/4" Bend	2	2	3	3
22 1/2" Bend	3	3	5	6
45° Bend	5	6	9	11
90° Bend	11	15	21	27
Dead End	30	40	56	73
Top Side of a Vertical Offset <sup>1</sup>	13	17	24	31
Tee Run x Branch 6"BY	14			
Tee Run x Branch 8"BY	10	24		
Tee Run x Branch 12"BY	1	15	40	
Tee Run x Branch 16"BY	1	7	33	56



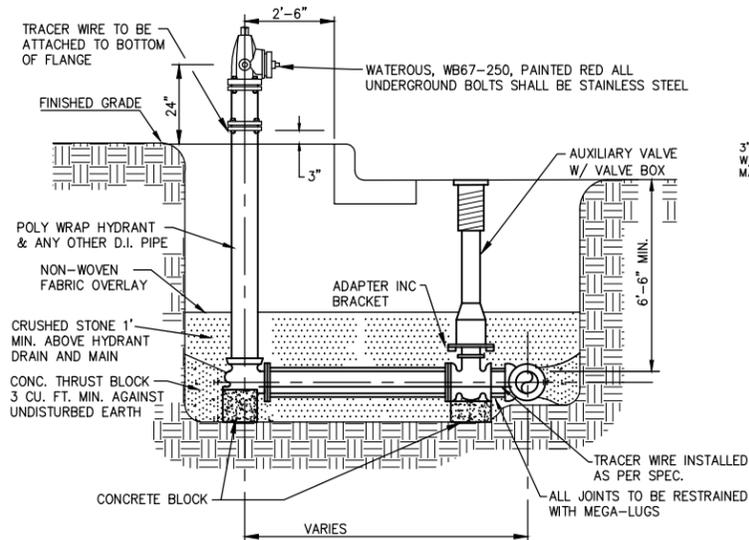
**WATER MAIN RESTRAINT DETAIL**



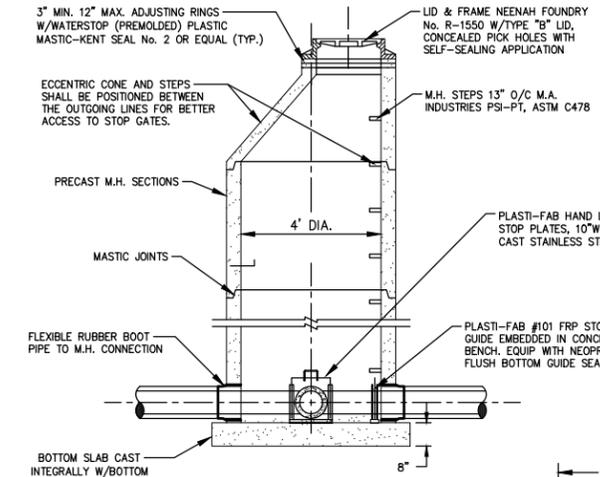
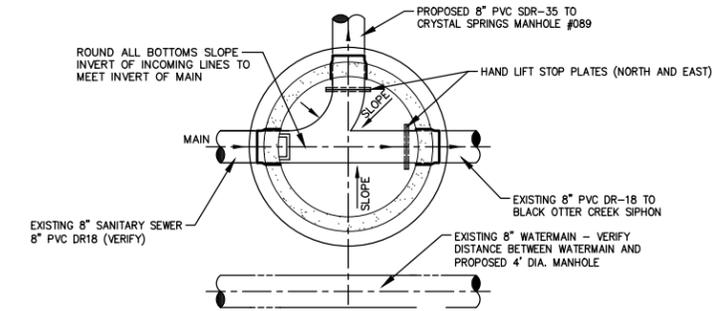
**TYPICAL CONNECTION STORM SEWER**



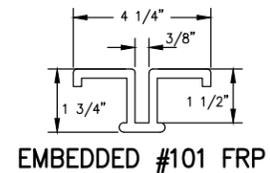
SIDE VIEW FRONT VIEW  
**STANDARD VALVE & VALVE BOX SETTING**



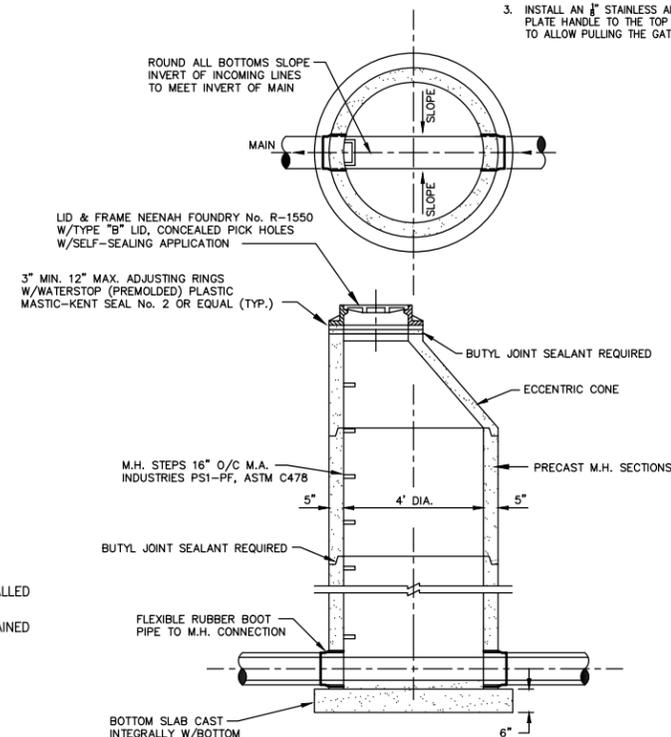
**HYDRANT & VALVE INSTALLATION DETAIL**



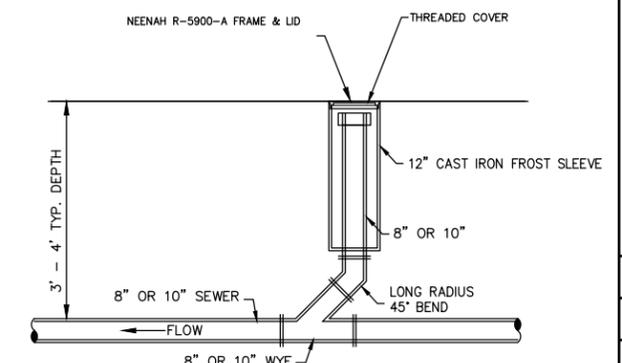
**CONTROL MANHOLE #092**



**EMBEDDED #101 FRP**



**WATERPROOF PRECAST SANITARY MANHOLE**



**CLEANOUT DETAIL**

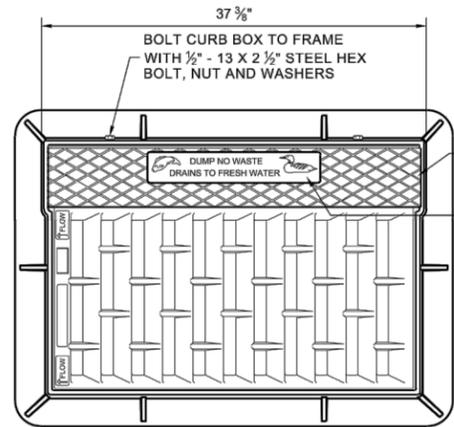
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1445 McMAHON DRIVE NEENAH, WI 54956  
Mailing: P.O. BOX 1025 NEENAH, WI 54957-0025  
PH 920.751.4200 FX 920.751.4284 MCINGRPR.COM

NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO.	

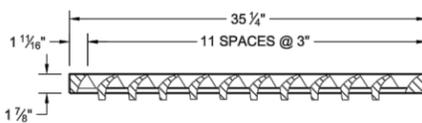
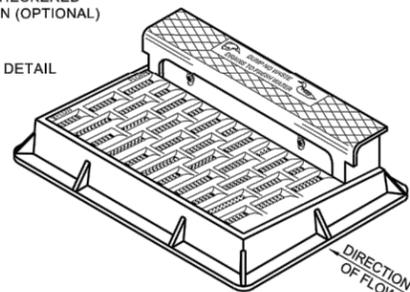
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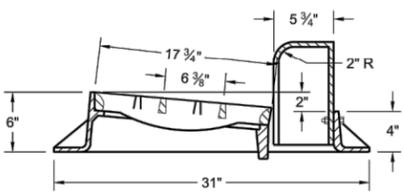
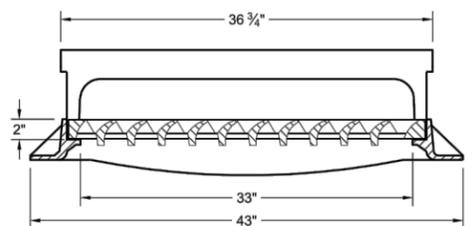
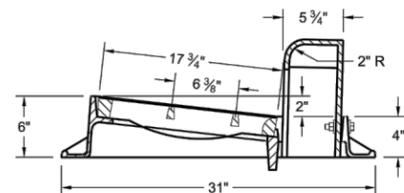
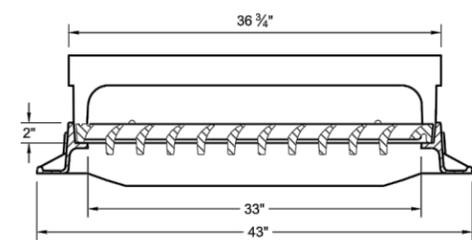
NOTE: EITHER CASTING IS ACCEPTABLE

TYPE "C" CHECKERED TOP DESIGN (OPTIONAL)

SEE LOGO DETAIL

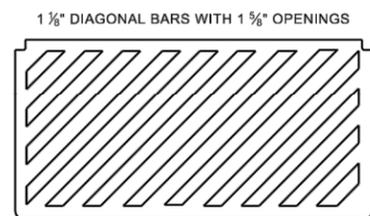


NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"



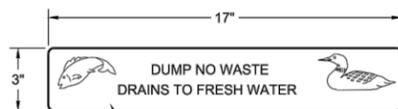
TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

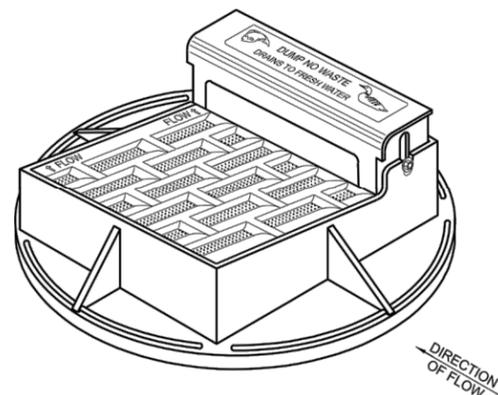


SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")  
(NOTED AS TYPE H-S ON DRAINAGE TABLE)

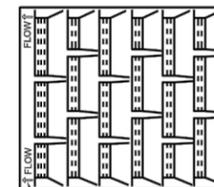


LOGO DETAIL

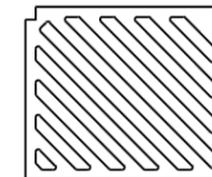


NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE

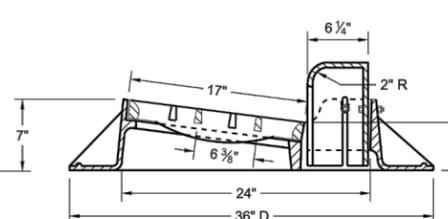
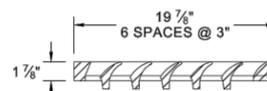
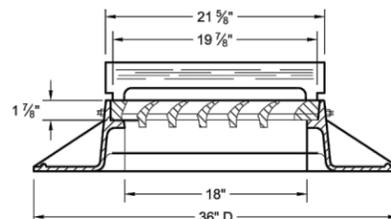


1" DIAGONAL BARS WITH 1 1/2" OPENINGS

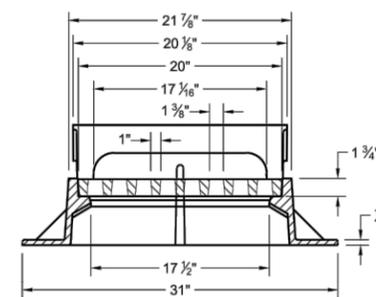
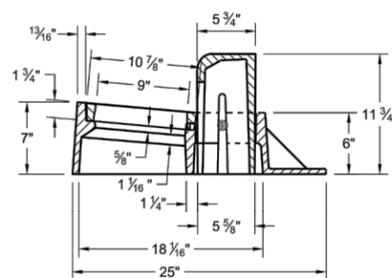


SPECIAL GRATE FOR TYPE "A" COVER

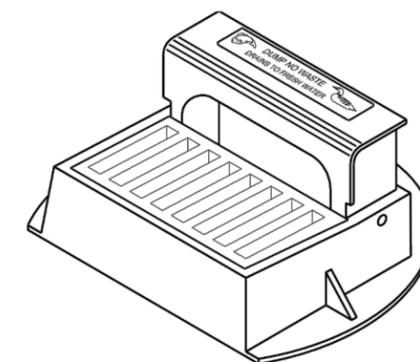
(MEASURES 19 3/4" X 17" X 1 7/8")  
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"



TYPE "Z"



INLET COVERS  
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2025 /S/ Rodney Taylor  
DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

SDD 08A05-22a

**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.

**McMAHON**  
McMAHON ASSOCIATES, INC.  
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NO.	DATE	REVISION

CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. 14	

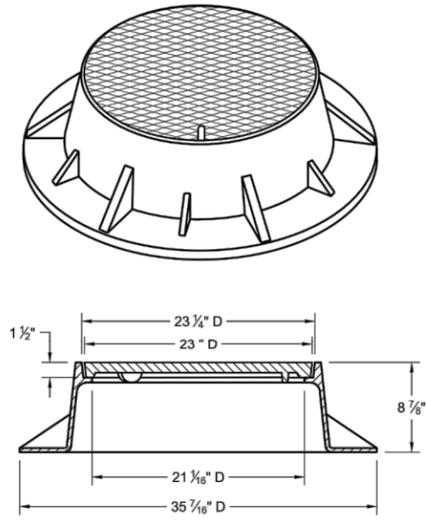
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**GENERAL NOTES**

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.

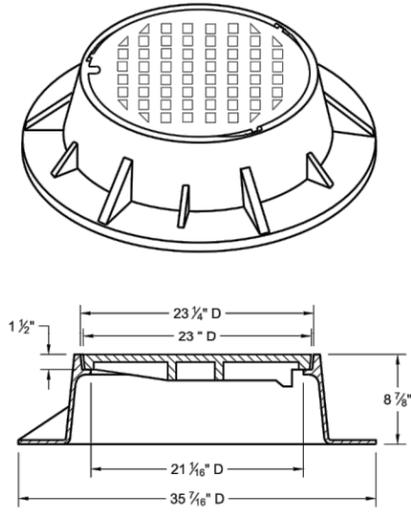
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



**TYPE "J"**

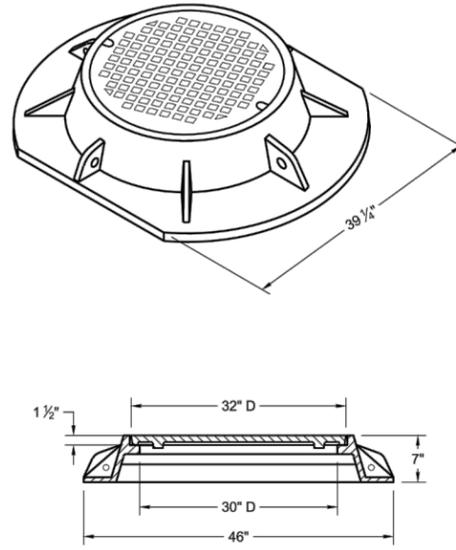
NOTE: EITHER CASTING IS ACCEPTABLE



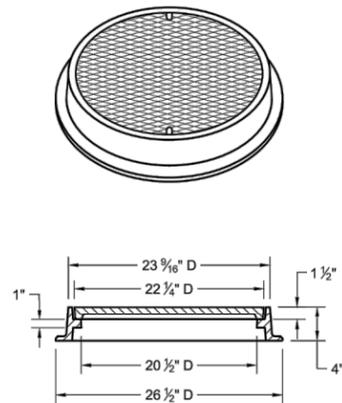
**TYPE "J" SPECIAL**

TYPE "B" NON-ROCKING SELF-SEAL LID (NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

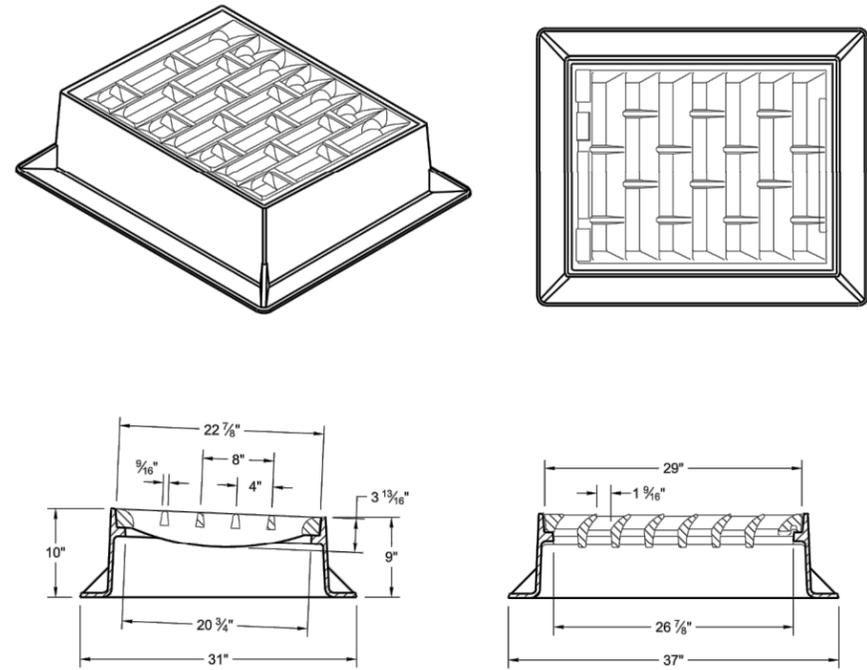
NOTE: EITHER CASTING IS ACCEPTABLE



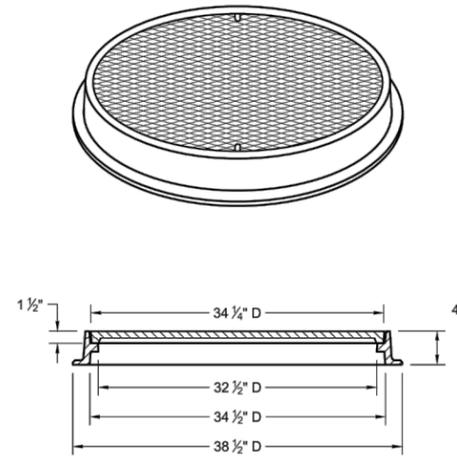
**TYPE "K"**



**TYPE "L"**



**INLET COVER TYPE "BW"**



**TYPE "M"**

**INLET COVERS TYPES BW  
MANHOLE COVERS TYPES K,  
J, J-S, L, AND M**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
February 2025 DATE /S/ Rodney Taylor  
ROADWAY STANDARDS DEVELOPMENT  
UNIT SUPERVISOR

FHWA

**SDD 08A05-22e**

CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

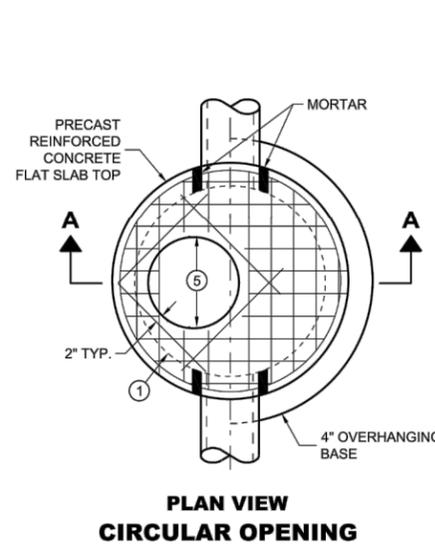
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO.	

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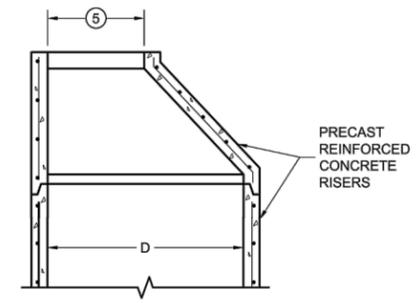
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NO.	DATE	REVISION

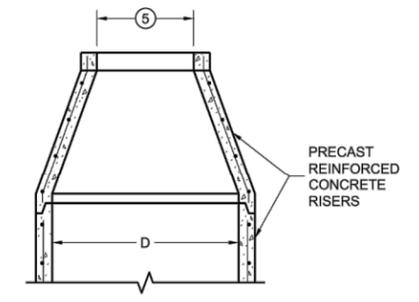
I:\projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH\_JJ\_DOWNTOWN\CTH\_JJ\_CD\_CD.dwg, 07\_Plot\_Date: 2/11/2026 9:45 AM, xref:stone



**PLAN VIEW  
CIRCULAR OPENING**



**OPTIONAL PRECAST  
REINFORCED CONCRETE  
ECCENTRIC TOP**



**OPTIONAL PRECAST  
REINFORCED CONCRETE  
CONCENTRIC TOP**

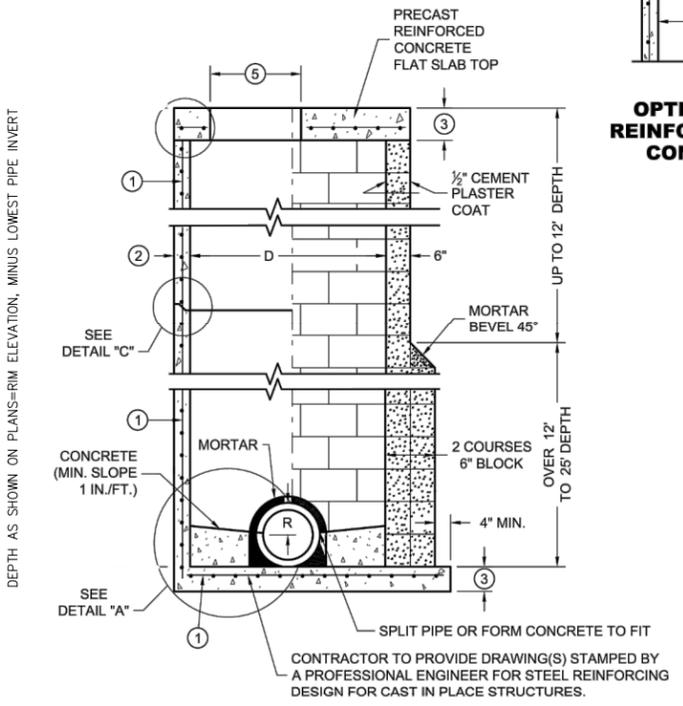
**MANHOLE COVER OPENING MATRIX**

MANHOLE COVER TYPE	OPENING SIZE (FT.)				
	5	6	7	8	9
2 DIA.	X	X		X	
3 DIA.			X		X

**PIPE MATRIX**

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

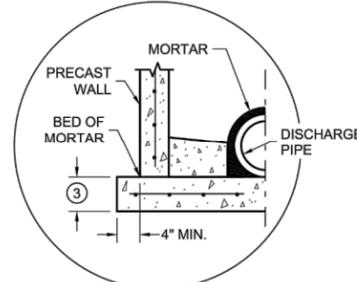
\*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.



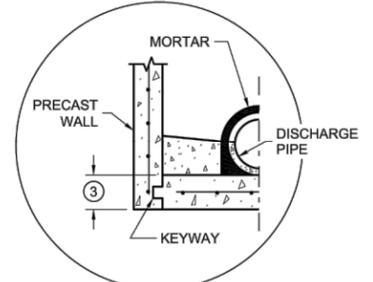
**SECTION A - A**

**PRECAST REINFORCED  
CONCRETE WITH  
MONOLITHIC BASE**

**CONCRETE BLOCK WITH  
CAST IN PLACE OR  
PRECAST REINFORCED  
CONCRETE BASE** ①

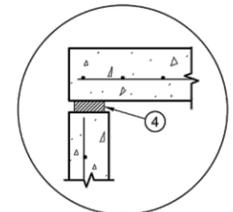


**SEPARATE PRECAST REINFORCED  
CONCRETE BASE OPTION**

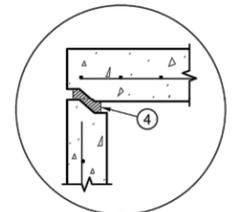


**PRECAST REINFORCED CONCRETE  
WITH INTEGRAL BASE OPTION**

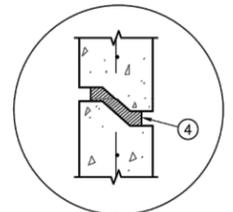
**DETAIL "A"**



**TOP WITH PLAIN  
END JOINT**



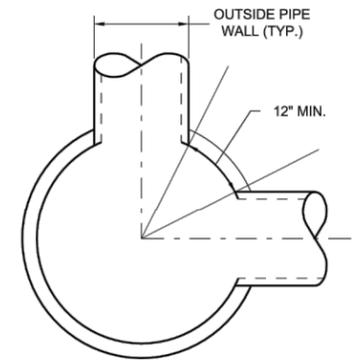
**TOP WITH TONGUE  
AND GROOVE JOINT**



**RISER WITH TONGUE  
AND GROOVE JOINT**

**DETAIL "B"**

**DETAIL "C"**



**MINIMUM HORIZONTAL  
PIPE SEPARATION**

**DETAIL "D"**

**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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

- ① FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- ② SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES
- ③ SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.
- ④ JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.
- ⑤ SEE MANHOLE COVER OPENING MATRIX.

<b>MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED December 2023 DATE	/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA	

**SDD 08B09-04**

**MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER**

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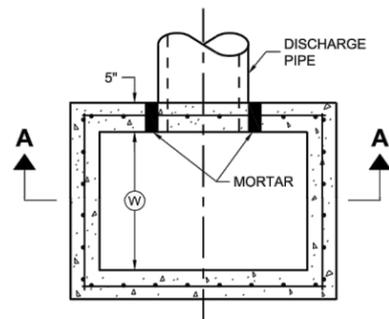
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NO.	DATE	REVISION

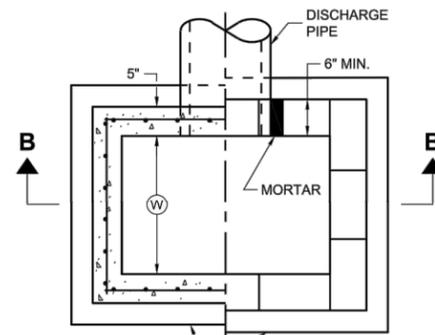
**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>16</b>	

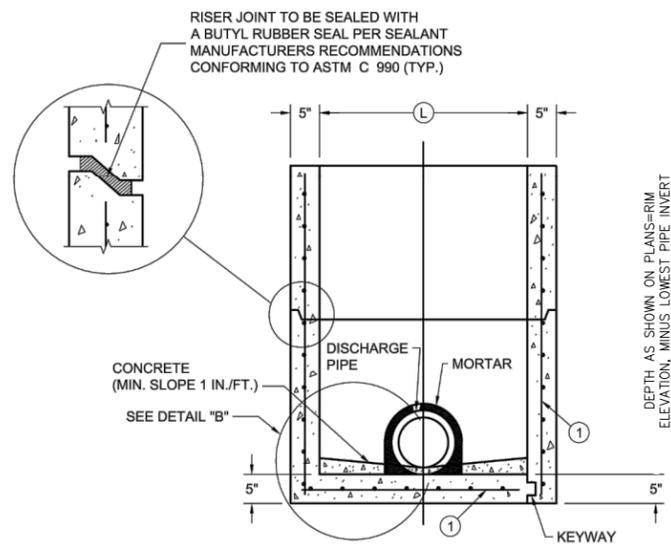
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**PLAN VIEW**



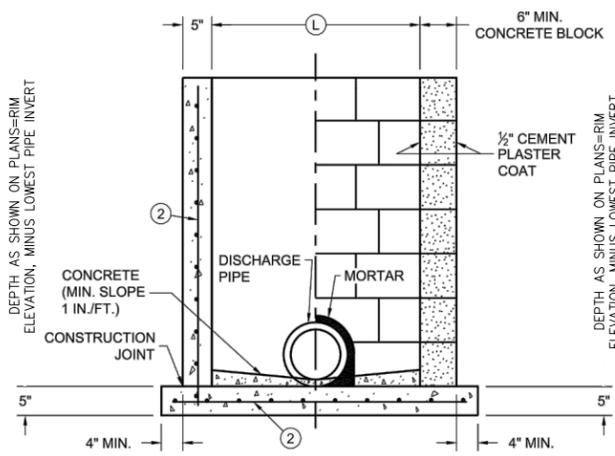
**PLAN VIEW**



**PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE**

**PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE**

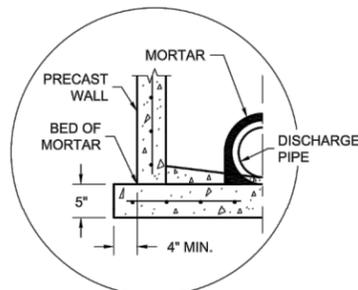
**SECTION A - A**



**CAST IN PLACE REINFORCED CONCRETE**

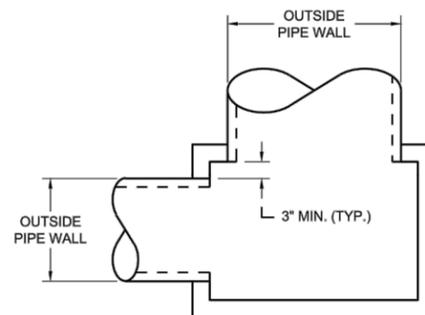
**CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE ①**

**SECTION B - B**



**SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION**

**DETAIL "B"**



**DETAIL "A"**

**INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT**

**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.

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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 ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

- ① FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
- ② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

**CATCH BASIN COVER MATRIX**

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE											
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B		
2 X 2-FT	2	2	X	X					X					
2 X 2.5-FT	2	2.5			X				X	X	X	X		
2 X 3-FT	2	3					X							
2.5 X 3-FT	2.5	3				X								
2 X 3.5-FT	2	3.5												X

**PIPE MATRIX**

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

**INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
December 2023 /S/ Rodney Taylor  
DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

**SD 08C07-03**

**McMAHON**  
ENGINEERS ARCHITECTS  
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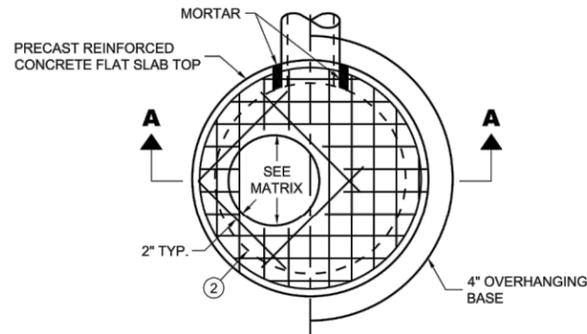
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NO.	DATE	REVISION

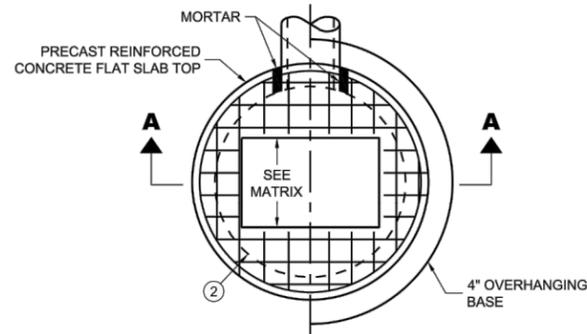
**CTH JJ (OLD STH 15) RECONSTRUCTION VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>17</b>	

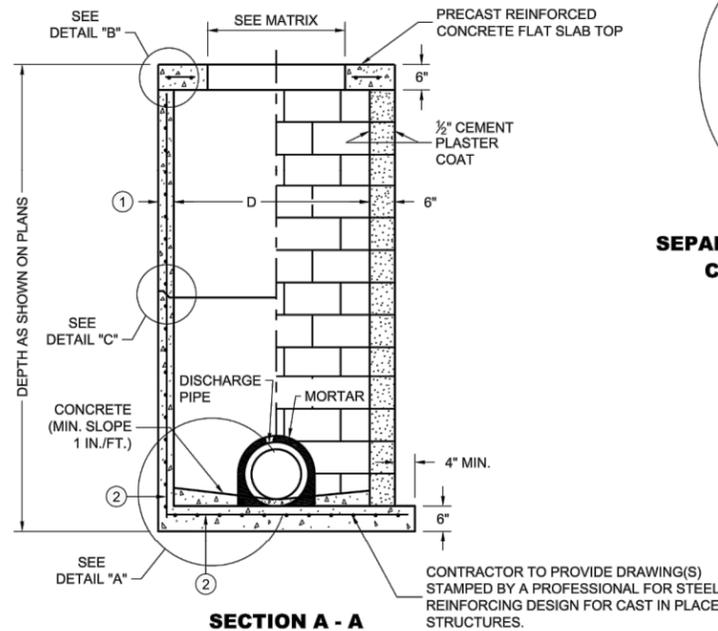
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**PLAN VIEW CIRCULAR OPENING**



**PLAN VIEW RECTANGULAR OPENING**



**SECTION A - A**

**PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE**

**CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE**

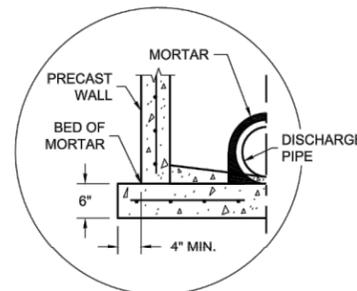
**CIRCULAR INLETS WITH FLAT TOP**

**CATCH BASIN COVER OPENING MATRIX**

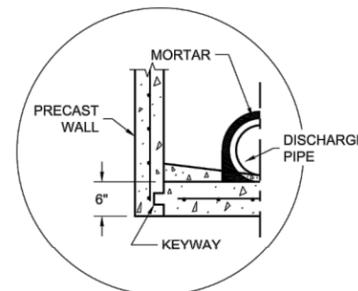
INLET SIZE	INLET COVER TYPE OPENING SIZE (FT.)	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
		3-FT	2 DIA.				X					
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X			X	X	X	X		
	2 X 3					X						
	2.5 X 3					X						

**PIPE MATRIX**

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

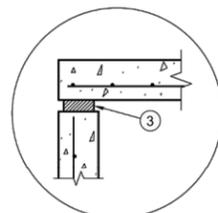


**SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION**

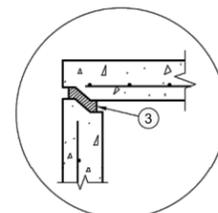


**PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION**

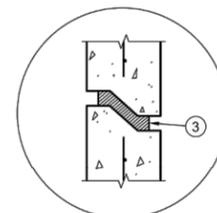
**DETAIL "A"**



**TOP WITH PLAIN END JOINT**



**TOP WITH TONGUE AND GROOVE JOINT**



**RISER WITH TONGUE AND GROOVE JOINT**

**DETAIL "B"**

**DETAIL "C"**

**INLETS 3-FT AND 4-FT DIAMETER**

**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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

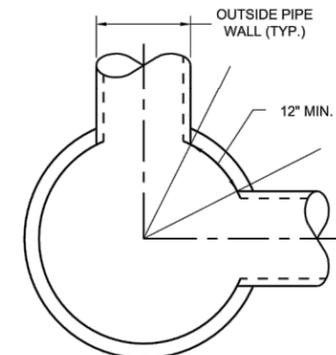
ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

- ① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMETER PRECAST INLETS.
- ② FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- ③ JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



**MINIMUM HORIZONTAL PIPE SEPARATION  
DETAIL "D"**

<b>INLETS 3-FT AND 4-FT DIAMETER</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED December 2023 DATE	/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA	

**SDD 08C06-03**

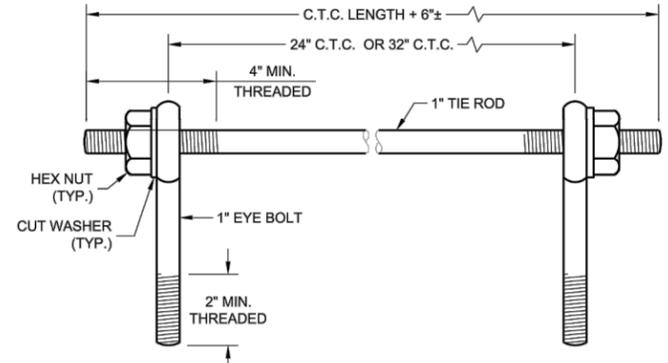
**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>18</b>	

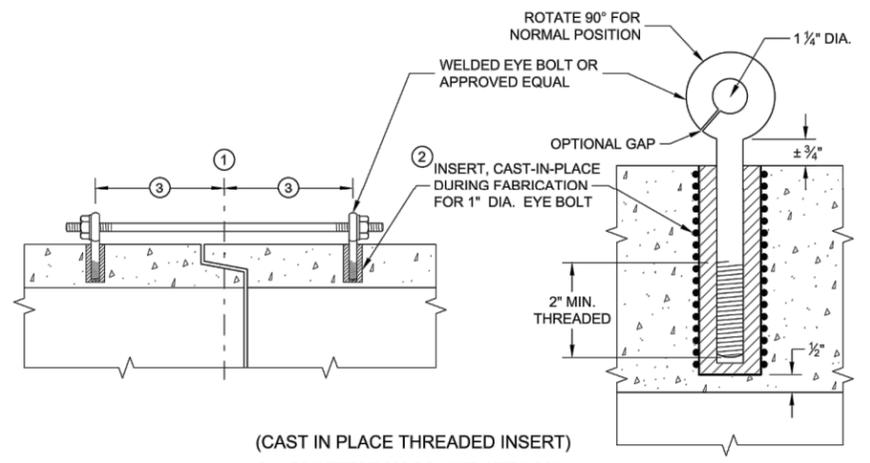
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1445 McMAHON DRIVE WEEHAW, WI 54986  
Mailing: P.O. BOX 1025 WEEHAW, WI 54987-1025  
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**EYE BOLTS AND TIE ROD**



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

**GENERAL NOTES**

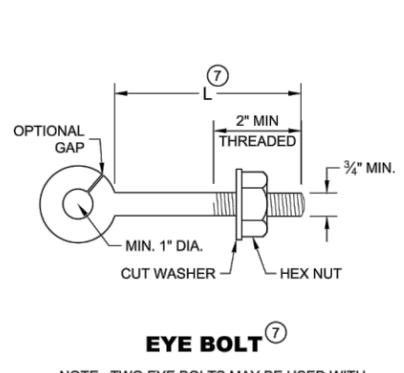
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND 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 THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

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

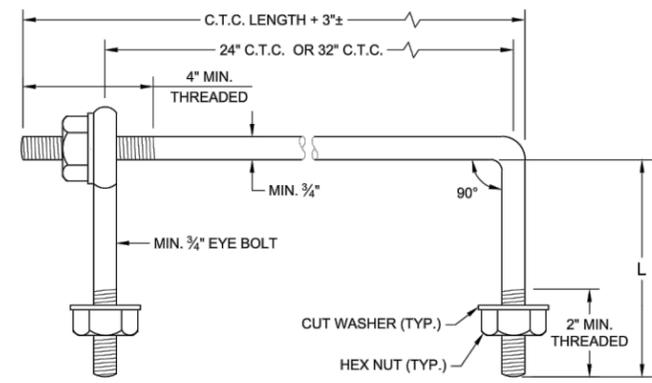
JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

- ① CENTER LINE 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 PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.
- ④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- ⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.
- ⑦ EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.
- ⑧ APRON ENDWALLS SHALL BE TIED. THE ENDWALL JOINT AND THE NEXT 2 PIPE JOINTS SHALL BE TIED. SEE S.D.D. FOR DETAILS

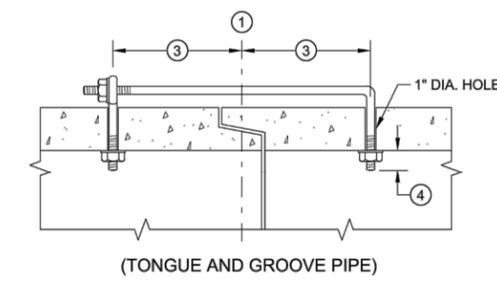


**EYE BOLT ⑦**

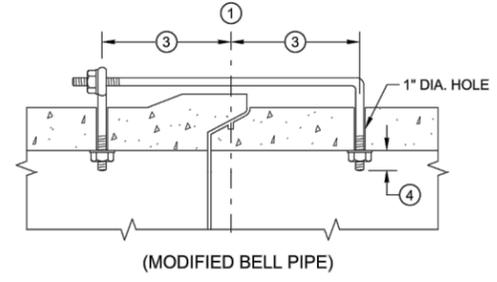
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



**EYE BOLT AND TIE ROD**



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

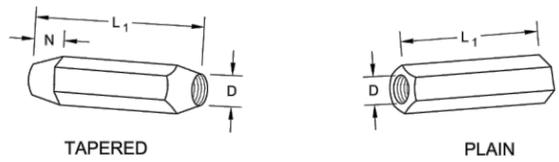
**LONGITUDINAL SECTION**  
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

**ADJUSTABLE TIE ROD TABLE**

PIPE DIAMETER	TIE ROD DIAMETER	D	L <sub>1</sub>	N
12 - 60	5/8	5/8	5	1/2
66 - 84	3/4	3/4	5	1/2
90 - 144	1	1	7	1 1/8

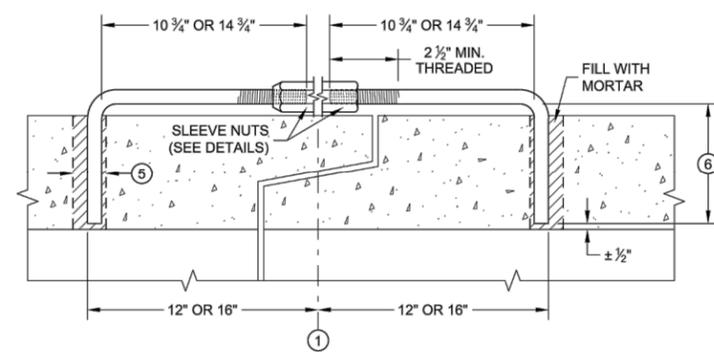
DIMENSIONS SHOWN ARE IN INCHES



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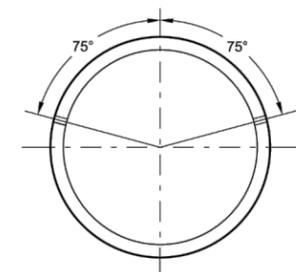
PLAIN

**RIGHT AND LEFT THREADS SLEEVE NUTS**



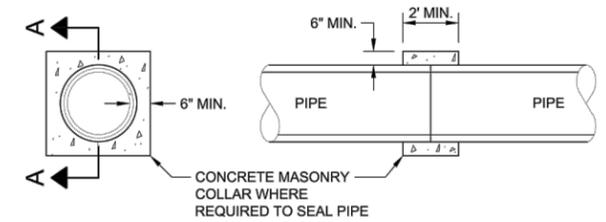
**LONGITUDINAL SECTION**

**ADJUSTABLE TIE ROD (ALTERNATE NO. 3)**



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

**TRANSVERSE SECTION**



**SECTION A - A**  
**CONCRETE COLLAR DETAIL**

**JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2021 /S/ Rodney Taylor  
DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

**SDD 08F04 - 08**

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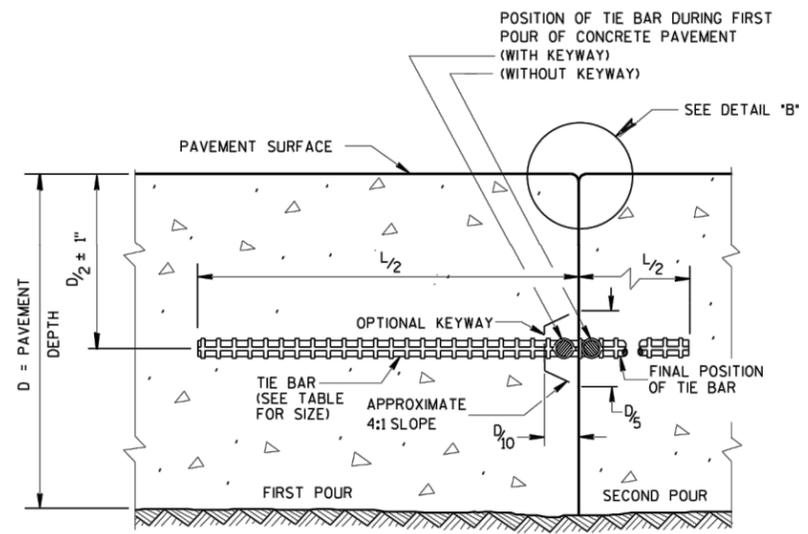
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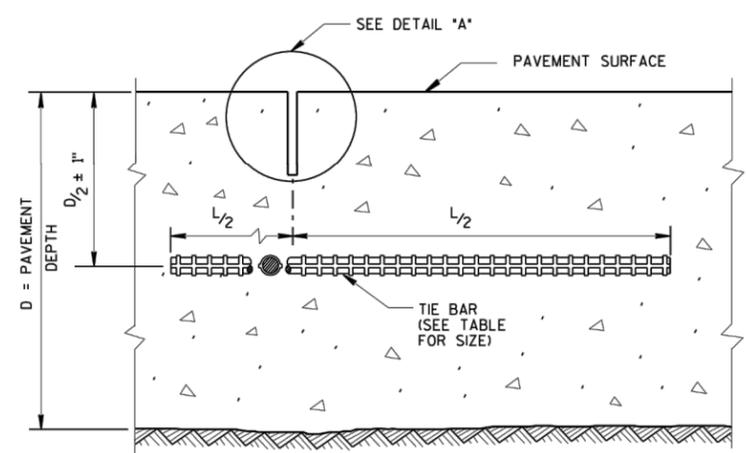
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>19</b>	

I:\projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH\_JJ\_DOWNTOWN\CTH\_JJ\_CD\_DT.dwg, 09b, Plot Date: 2/11/2026 9:45 AM, xref:stone



**CONSTRUCTION JOINT**



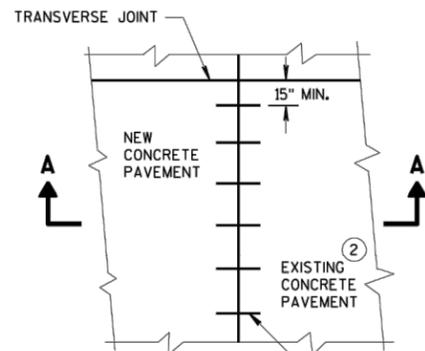
**SAWED JOINT**

**GENERAL NOTES**

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

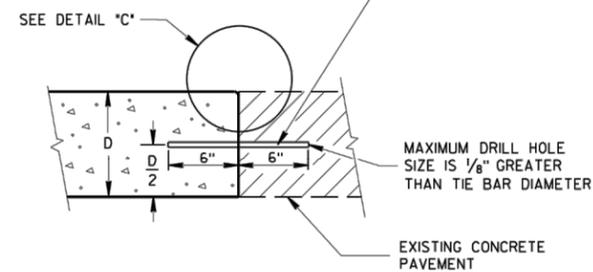
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

- ① ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.
- ② PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

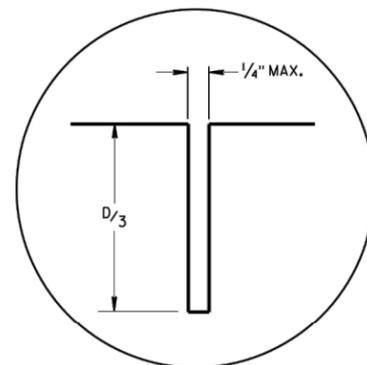


**PLAN VIEW**

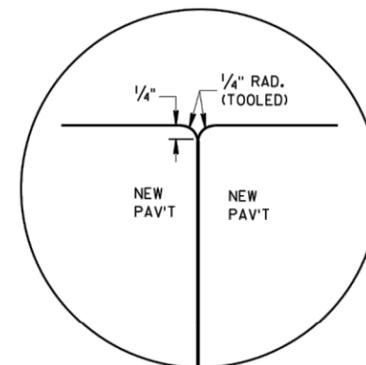
NO. 6 TIE BARS SPACED 30" C-C, INSTALLED PERPENDICULAR TO THE LONGITUDINAL JOINT. ①



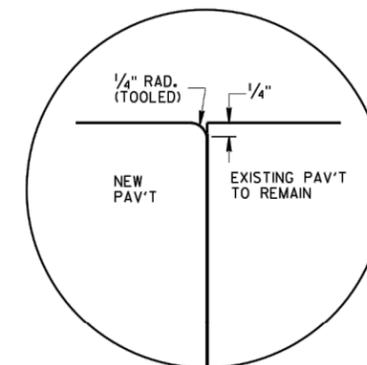
**SECTION A-A  
LONGITUDINAL CONSTRUCTION JOINT  
TIE BARS ANCHORED  
INTO EXISTING PAVEMENT**



**DETAIL "A"**



**DETAIL "B"**



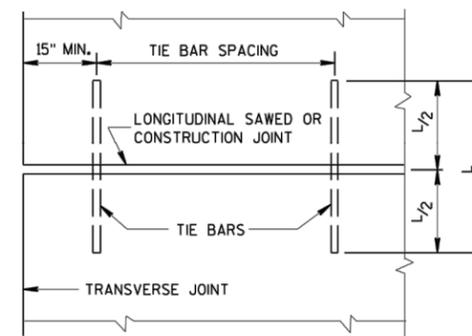
**DETAIL "C"**

**TIE BAR TABLE**

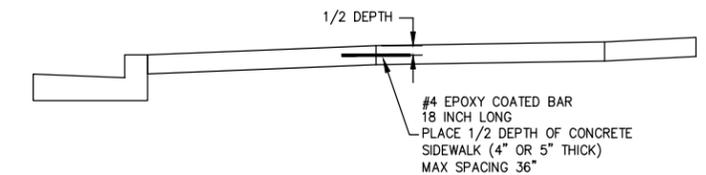
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

\* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

\*\* CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



**PLAN VIEW  
SHOWING LOCATION OF TIE BARS**



**CONCRETE SIDEWALK LONGITUDINAL JOINT**

<b>CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
March 2018 DATE	/s/ Peter Kemp, P.E. PAVEMENT SUPERVISOR
FHWA	

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

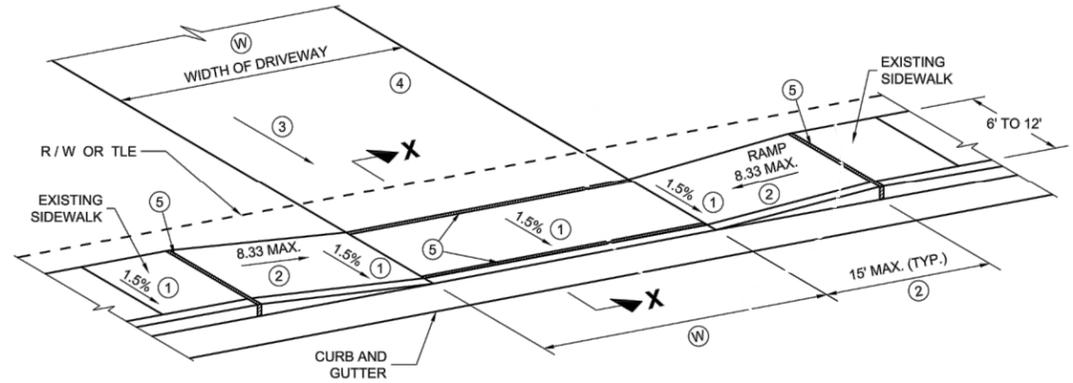
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO.	

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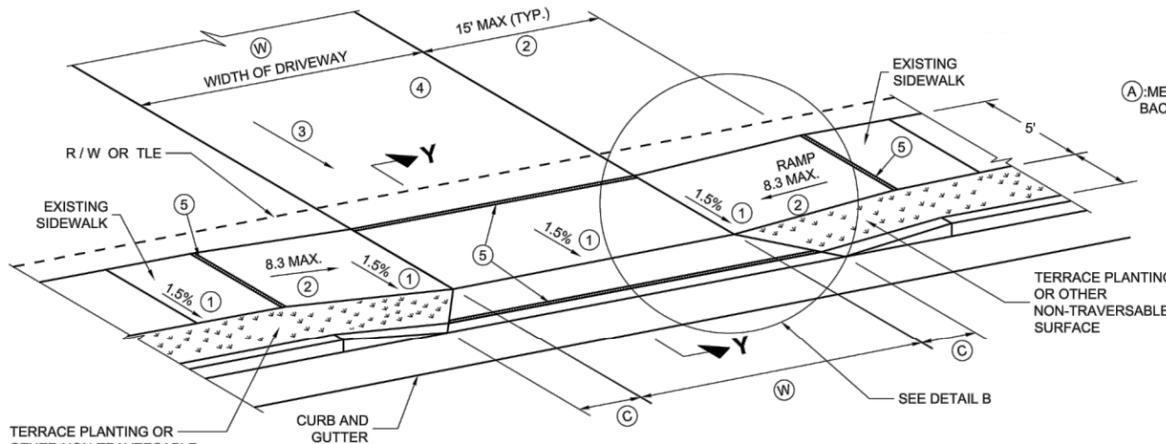
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**TYPE X**  
**SIDEWALK ABUTS CURB AND GUTTER**  
**TERRACE VARIES 0 TO 3 FEET**

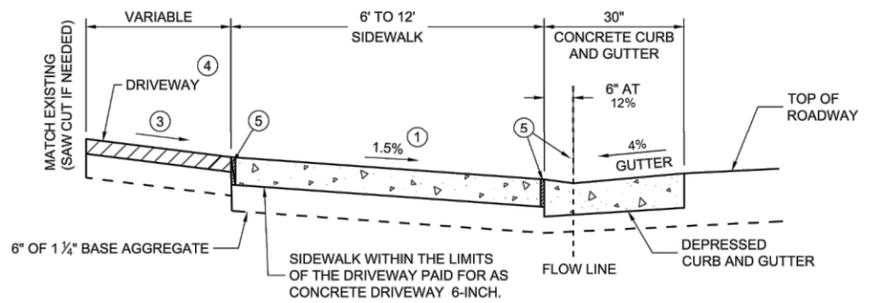


**TYPE Y**  
**SIDEWALK WITH NARROWER TERRACE**  
**TERRACE VARIES 4 TO 6 FEET**

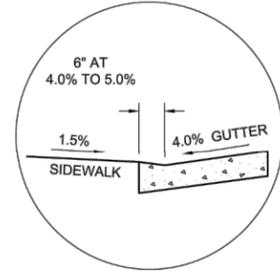
**GENERAL NOTES**

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.  
 (W) IS SHOWN ON PLAN AND PROFILE SHEETS.  
 OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

- 1 CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.
- 2 THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.
- 3 DRIVEWAY AND DRIVEWAY APPROACH SLOPES: DESIRABLE MAXIMUM 12.5% UP AWAY FROM SIDEWALK (SAG) DOWN AWAY FROM SIDEWALK (CREST) ABSOLUTE MAXIMUM 15%
- 4 DRIVEWAY TYPES
  - \* 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE (RESIDENTIAL)
  - \* 7-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE (COMMERCIAL)
  - \* 3-INCH ASPHALTIC SURFACE OVER 9-INCH BASE AGGREGATE (RESIDENTIAL)
  - \* 3 1/2-INCH ASPHALTIC SURFACE OVER 12-INCH BASE AGGREGATE
  - \* 9-INCH BASE AGGREGATE
- 5 1/2" EXPANSION JOINT FILLER
- 6 DETECTABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD SIGN CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.



**SECTION X - X**

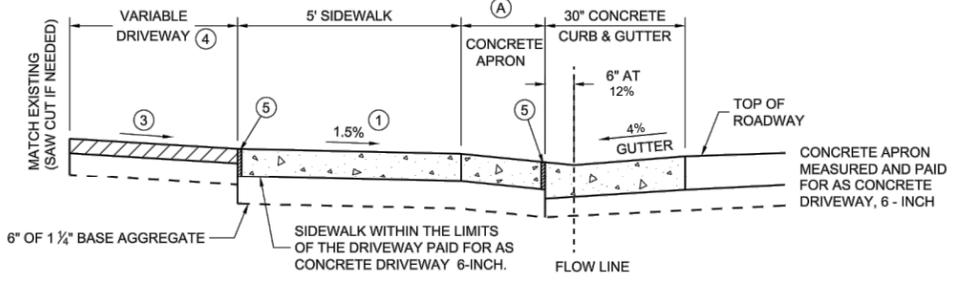


**SECTION X - X**  
**4% GUTTER SLOPE**

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)  
 16' MIN. - 35' MAX. COMMERCIAL (CE)

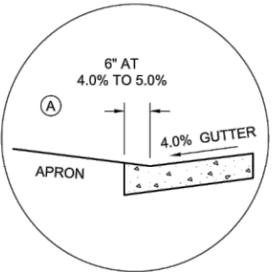
**TABLE Y**

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

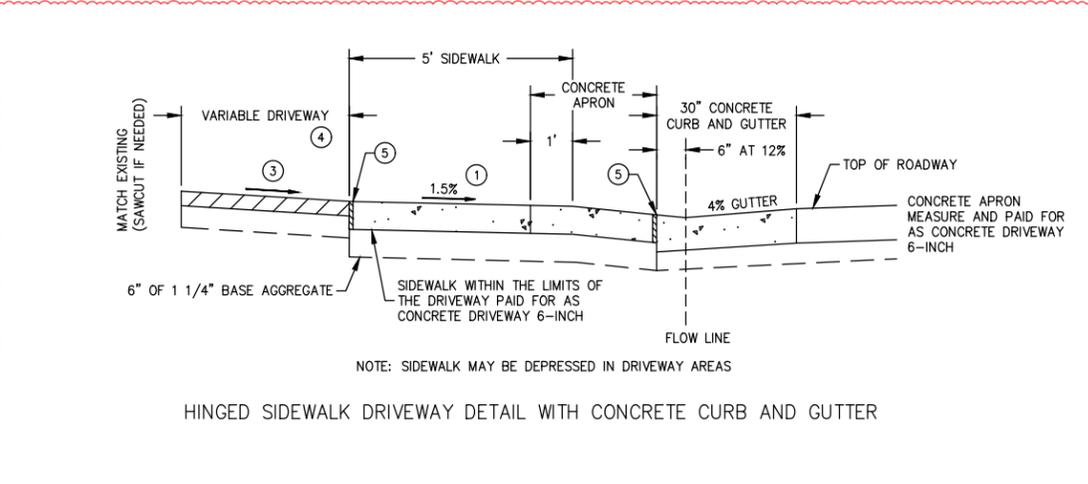


NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

**SECTION Y - Y**  
**DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER**  
**(URBAN AND SUBURBAN)**



**SECTION Y - Y**  
**4% GUTTER SLOPE**



**HINGED SIDEWALK DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER**

**DRIVEWAY AND SIDEWALK RAMPS**  
**TYPES X AND Y**

---

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION

---

APPROVED  
 February 2025 /S/ Rodney Taylor  
 DATE

---

PHWA

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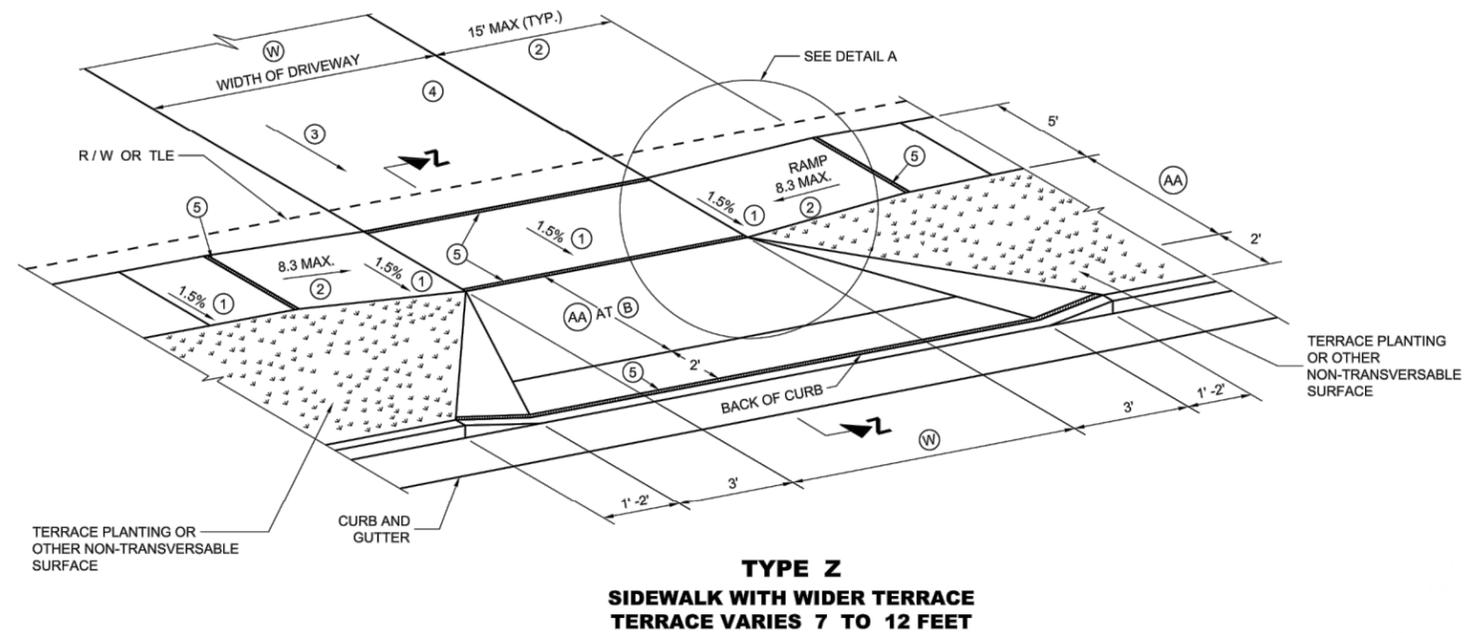
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>21</b>	

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**TYPE Z  
SIDEWALK WITH WIDER TERRACE  
TERRACE VARIES 7 TO 12 FEET**

**TABLE Z**

(B) %
4% GUTTER
9% TO 12.5%

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND  
NON-COMMERCIAL (PE & FE)  
16' MIN. - 35' MAX. COMMERCIAL (CE)

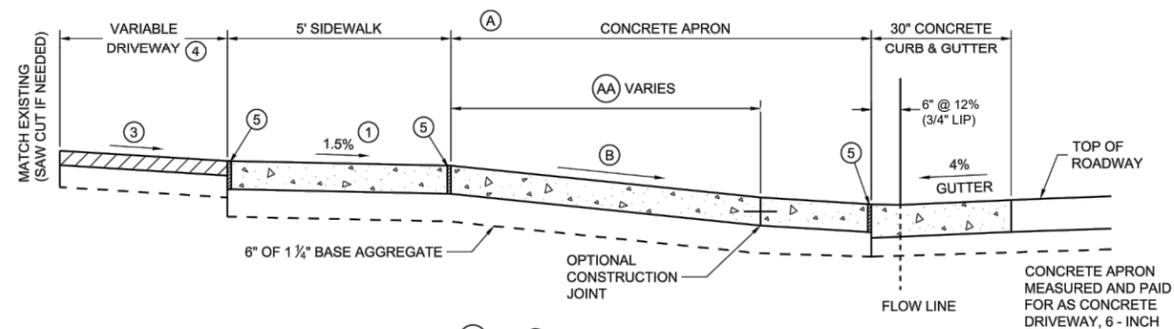
**GENERAL NOTES**

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

- CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.
- THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.
- DRIVEWAY SLOPES: DESIRABLE MAXIMUM**  
12.5% UP AWAY FROM SIDEWALK (SAG)  
10% DOWN AWAY FROM SIDEWALK (CREST)  
ABSOLUTE MAXIMUM 15%
- DRIVEWAY TYPES**
  - 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE (RESIDENTIAL)
  - 7-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE (COMMERCIAL)
  - 3-INCH ASPHALTIC SURFACE OVER 9-INCH BASE AGGREGATE (RESIDENTIAL)
  - 3 1/2-INCH ASPHALTIC SURFACE OVER 12-INCH BASE AGGREGATE
  - 9-INCH BASE AGGREGATE
- 1/2" EXPANSION JOINT FILLER.
- DETECTABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.

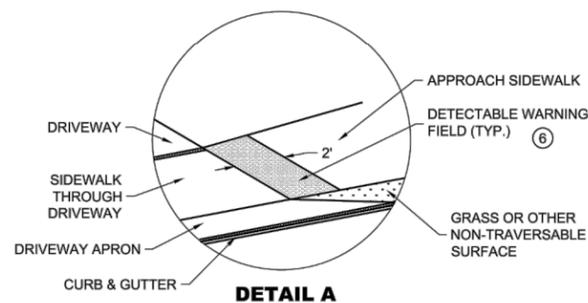


PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

**4% GUTTER SLOPE**

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.  
SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

**SECTION Z - Z  
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER  
(URBAN AND SUBURBAN)**



**DETAIL A**

<b>DRIVEWAY AND SIDEWALK RAMPS TYPE Z</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2025 DATE	/s/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FRWA	

**SDD 08D19-05**

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
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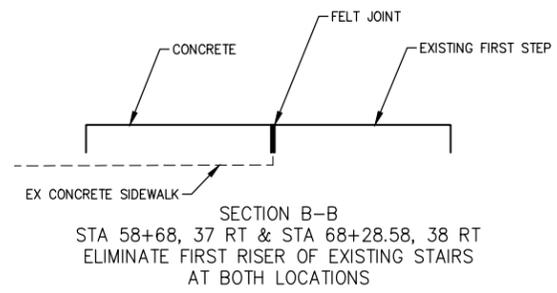
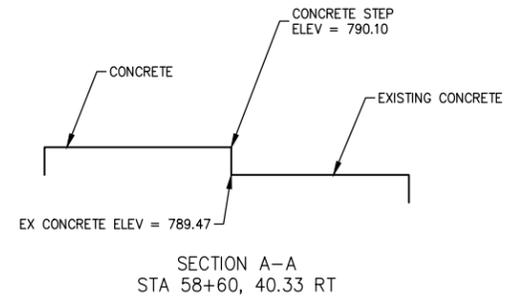
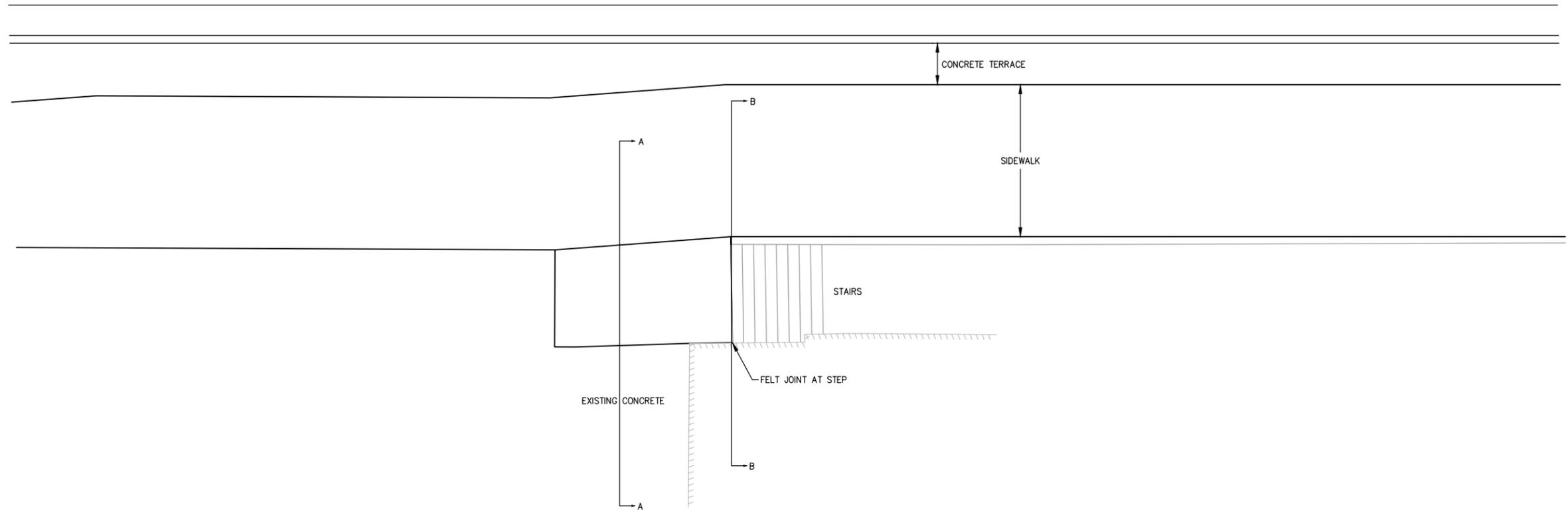
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CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

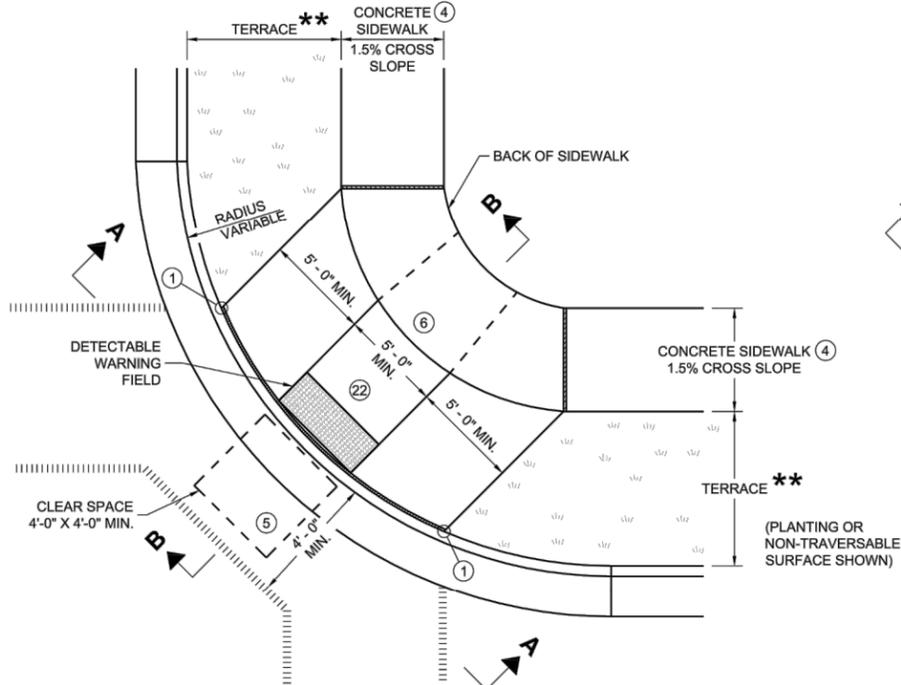
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DATE 2026	
SHEET NO.	

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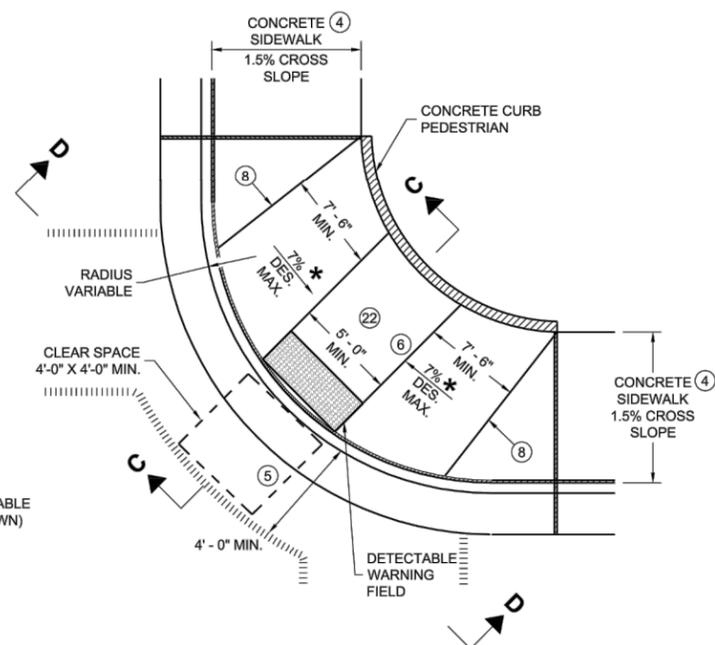
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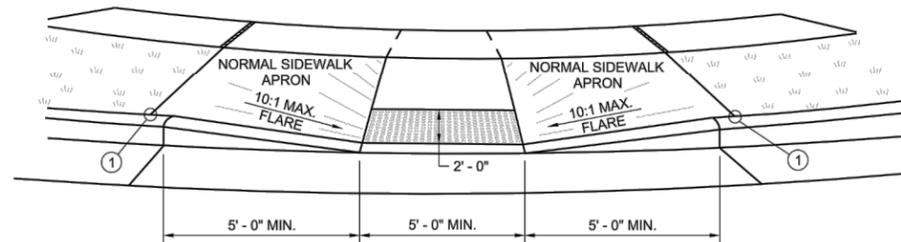
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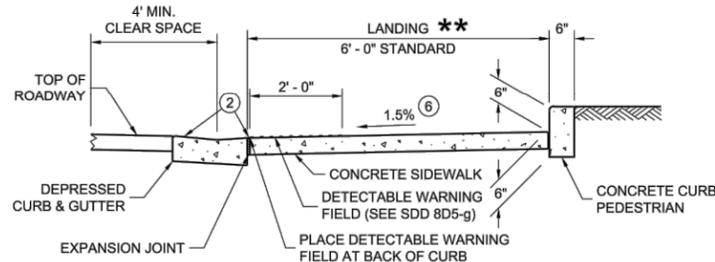
**PLAN VIEW  
CURB RAMP TYPE 1  
(CENTER OF CORNER RADIUS)**



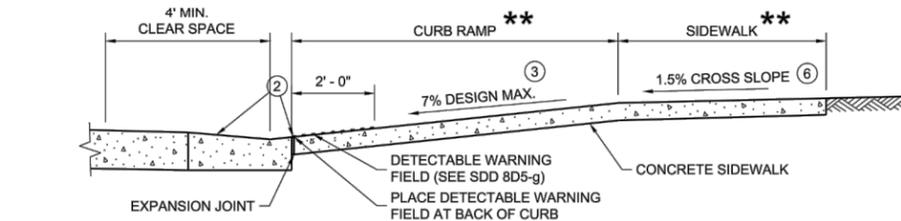
**PLAN VIEW  
CURB RAMP TYPE 1 - A  
(NO TERRACE)**



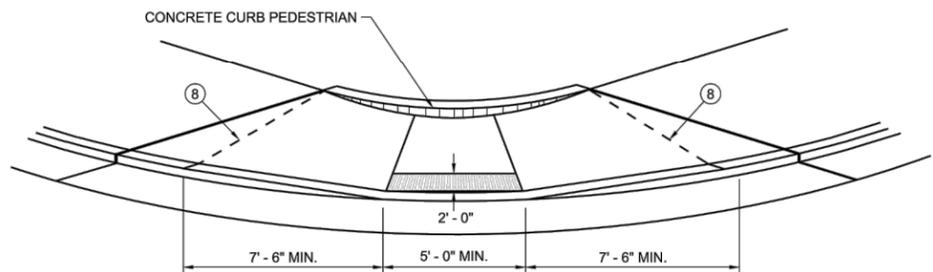
**VIEW A - A FOR TYPE 1**



**SECTION C - C FOR TYPE 1 - A**



**SECTION B - B FOR TYPE 1**



**VIEW D - D FOR TYPE 1 - A**

NOTE: ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 6-INCH

**GENERAL NOTES**

- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.
- 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.
- WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE CURB RAMP.
- TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF CURB RAMP.
- DETECTABLE WARNING FIELD SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.
- SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE CURB RAMP.
- 1 THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.
- 2 GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- 3 MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.
- 4 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- 5 PROVIDE A CLEAR SPACE IN THE STREET AREA AND THE 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE. FOR RECONSTRUCTION AND MODERNIZATION PROJECTS THE CLEAR SPACE SLOPE PARALLEL TO THE CURBLINE SHOULD BE 2.1% MAX FOR CROSSINGS THAT ARE STOP AND YIELD CONTROLLED, AND 5% MAX FOR THOSE THAT ARE SIGNAL CONTROLLED. FOR PERPETUATION AND REHABILITATION PROJECTS THE SLOPE OF THE CLEAR SPACE PARALLEL TO THE CURBLINE WILL MATCH THE ROADWAY LONGITUDINAL SLOPE. THE SLOPE OF THE CLEAR SPACE PERPENDICULAR TO THE CURBLINE WILL MATCH THE ROADWAY CROSS SLOPE BUT SHOULD NOT EXCEED 5% UNLESS THE ROADWAY IS SUPERELEVATED (WHEN SUPERELEVATED THE ROADWAY CROSS SLOPE SHOULD MATCH THE SUPERELEVATION).
- 6 PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.
- 8 PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- 17 A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE
- 22 THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

**LEGEND**

- 1/2" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- \* MAXIMUM 8.3%
- \*\* WIDTH SHOWN ELSEWHERE IN THE PLANS

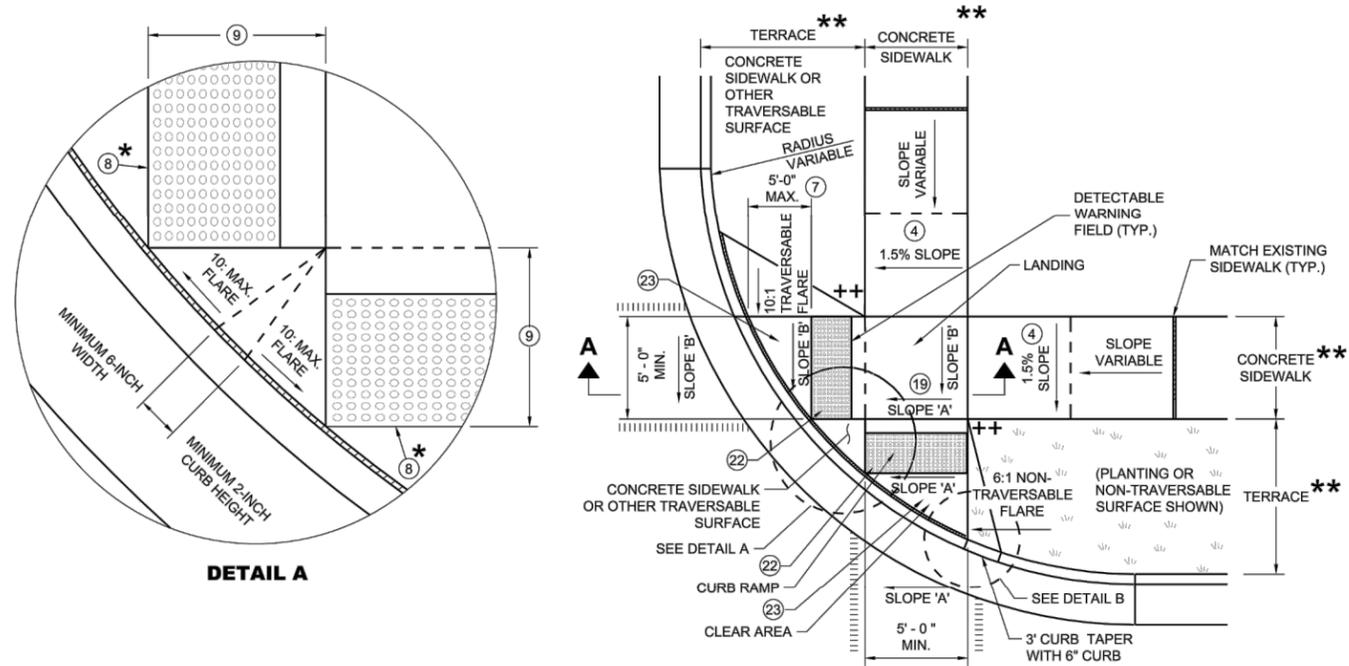
**CURB RAMPS  
TYPE 1 AND 1-A**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

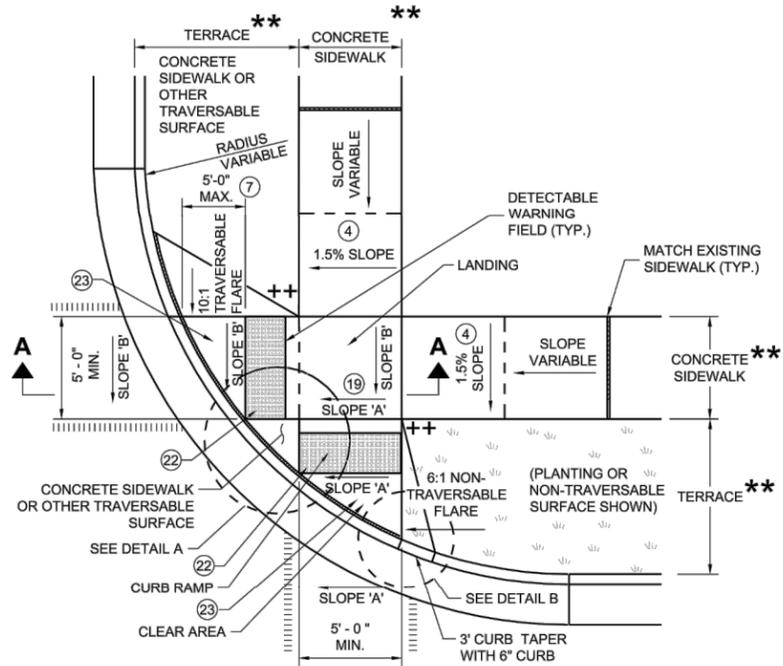
**SDD 08D05-22a**

NO.	DATE	REVISION

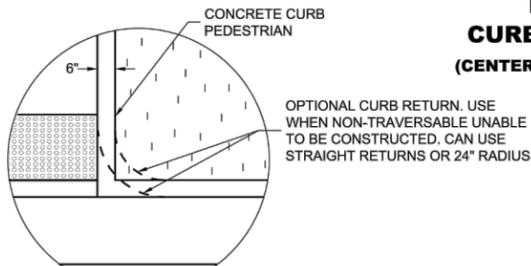
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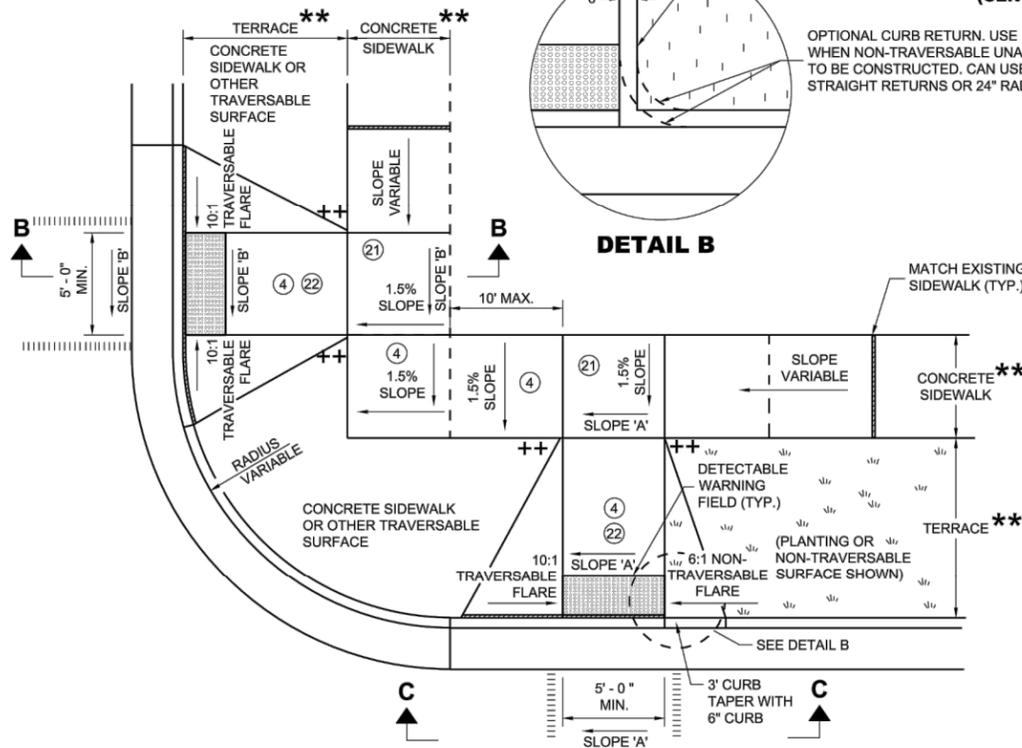
**DETAIL A**



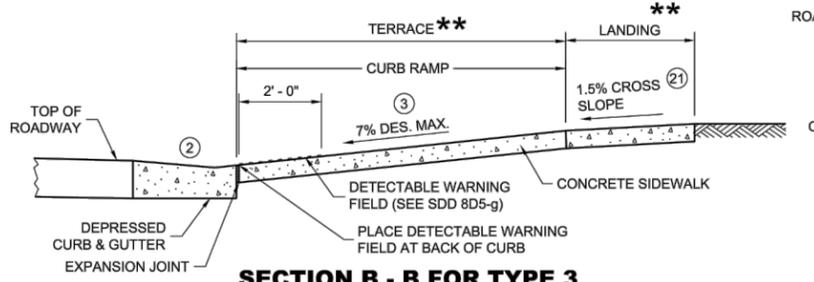
**PLAN VIEW  
CURB RAMP TYPE 2  
(CENTER OF CORNER RADIUS)**



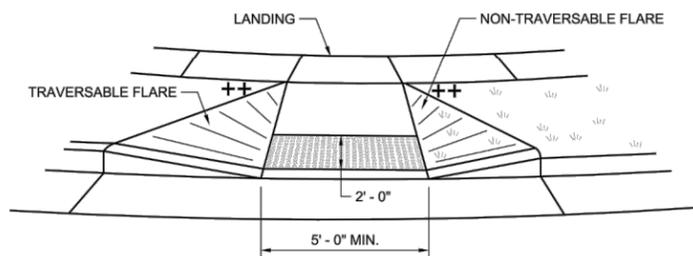
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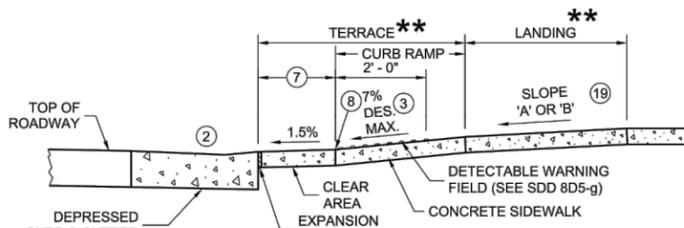
**PLAN VIEW  
CURB RAMP TYPE 3  
(OUTSIDE OF CROSSWALK AREA)**



**SECTION B - B FOR TYPE 3**



**VIEW C - C FOR TYPE 3**



**SECTION A - A FOR TYPE 2**

**LEGEND**

- 1/2" EXPANSION JOINT SIDEWALK
- - - CONTRACTION JOINT SIDEWALK
- ||||| PAVEMENT MARKING CROSSWALK (WHITE)
- \* MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- \*\* WIDTH SHOWN ELSEWHERE IN THE PLANS
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

**CURB RAMPS  
TYPE 2 AND 3**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

- 2 GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- 3 MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.
- 4 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- 7 WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- 8 PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- 9 WHEN DISTANCE IS LESS THAN 6'-0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.
- 17 A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.
- 19 WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.
- 21 PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.
- 22 THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.
- 23 THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

NOTE: ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 6-INCH

**SDD 08D05-22b**

**CTH JJ (OLD 5TH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>25</b>	

REVISION

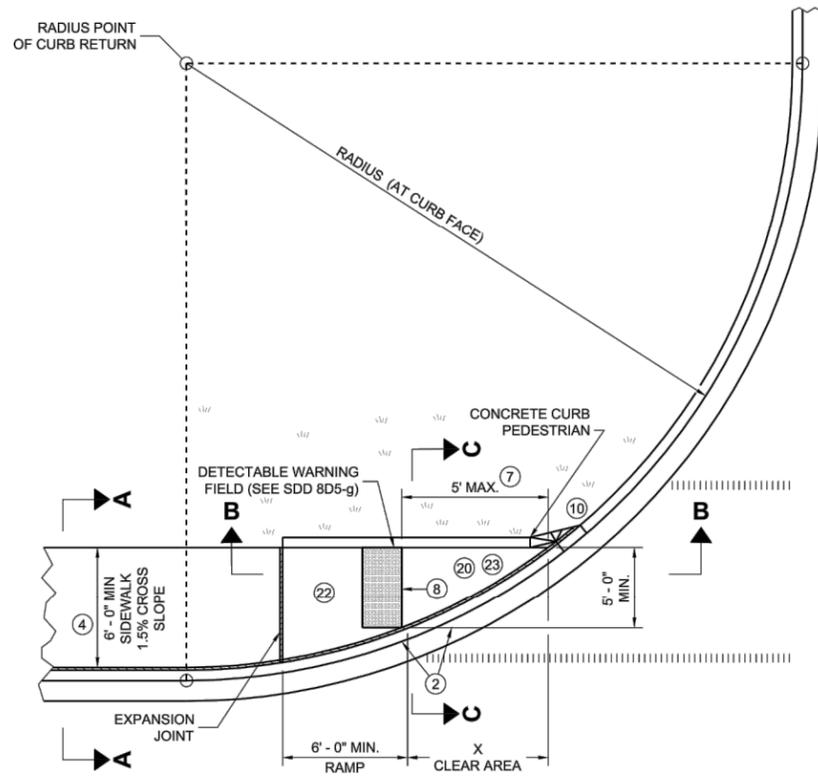
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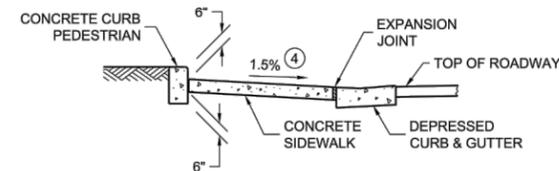
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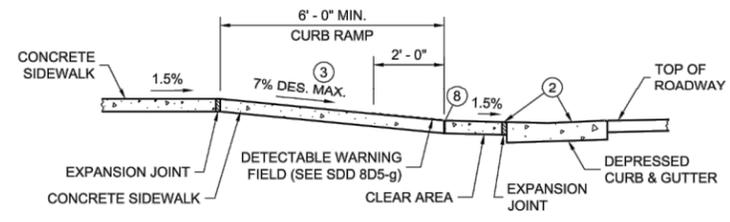
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**PLAN VIEW  
CURB RAMP TYPE 4A**



**SECTION C - C FOR TYPE 4A**

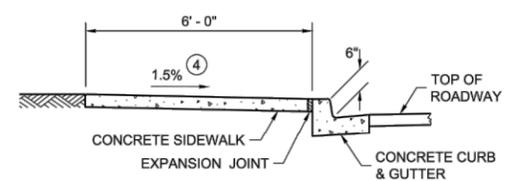


**SECTION B - B FOR  
TYPE 4A AND TYPE 4A1**

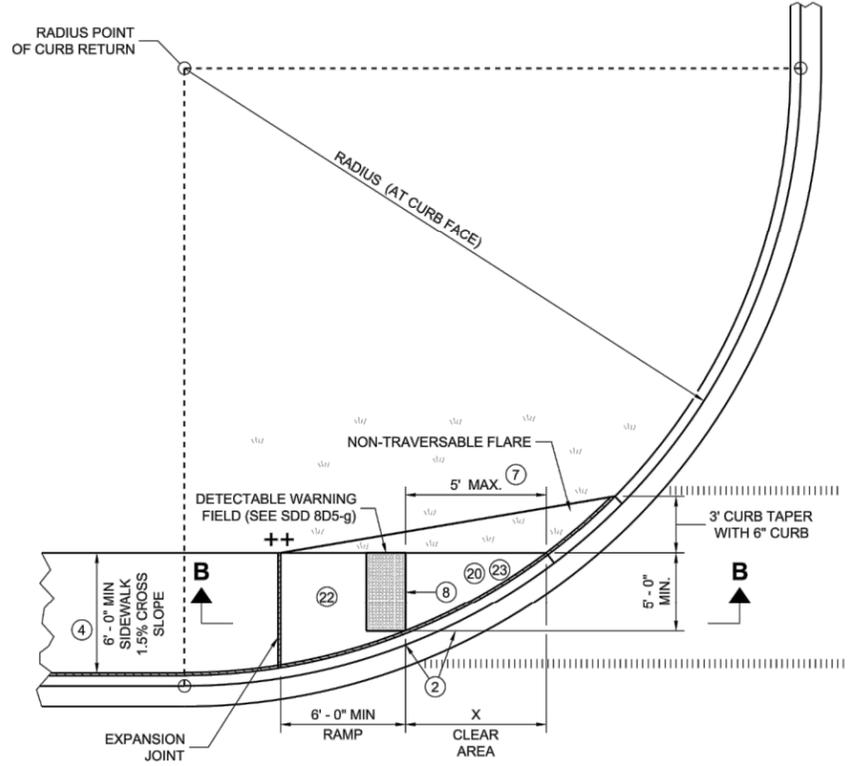
- LEGEND**
- ½" EXPANSION JOINT SIDEWALK
  - - - CONTRACTION JOINT SIDEWALK
  - ||||| PAVEMENT MARKING CROSSWALK (WHITE)
  - ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

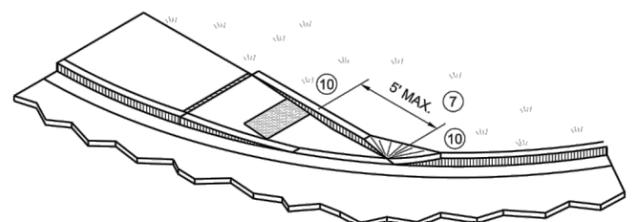
INTERMEDIATE RADII CAN BE INTERPOLATED



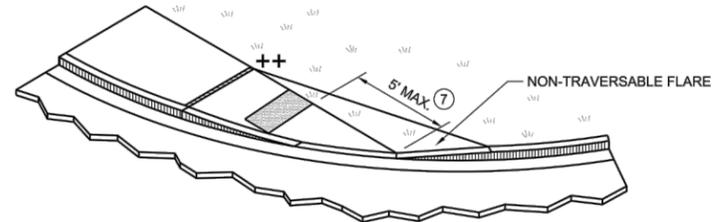
**SECTION A - A FOR TYPE 4A**



**PLAN VIEW  
CURB RAMP TYPE 4A1**



**ISOMETRIC VIEW FOR TYPE 4A**



**ISOMETRIC VIEW FOR TYPE 4A1**

**CURB RAMPS  
TYPE 4A AND 4A1**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

NOTE: ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 6-INCH

**GENERAL NOTES**

- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.
- 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.
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.
- ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.
- A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.
- MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.
- THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.
- THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

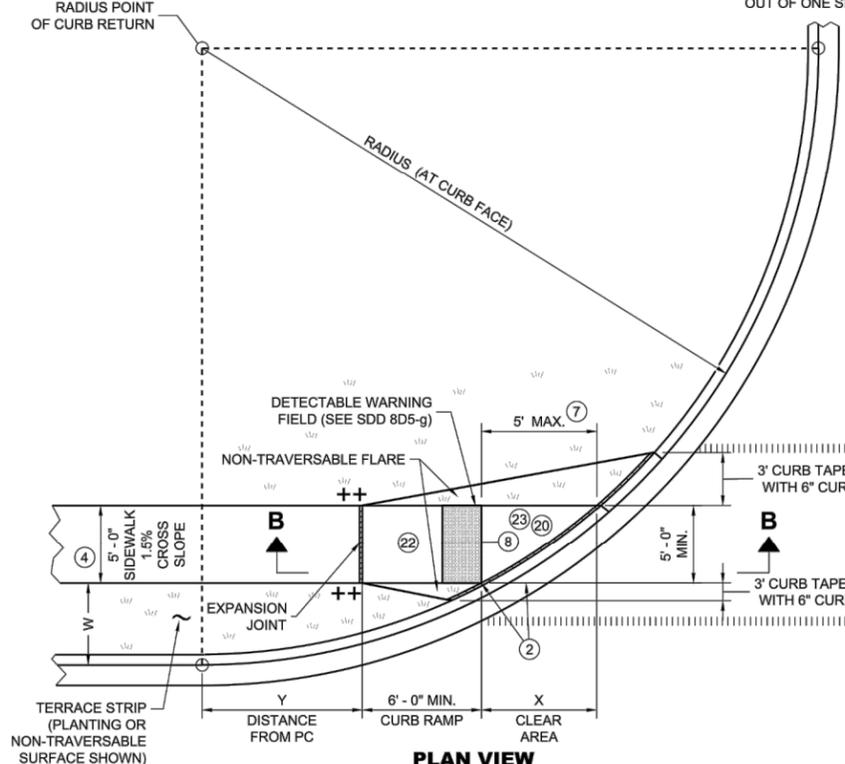
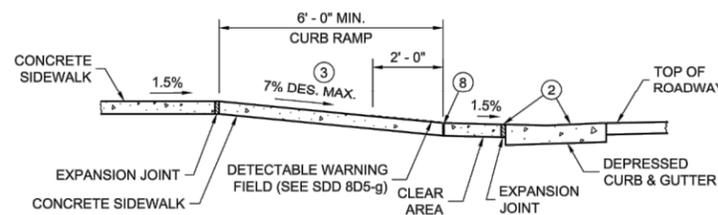
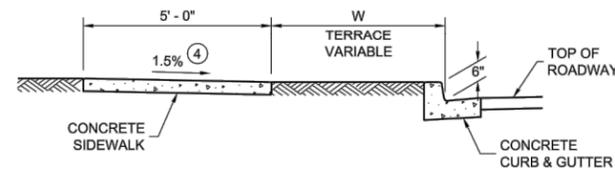
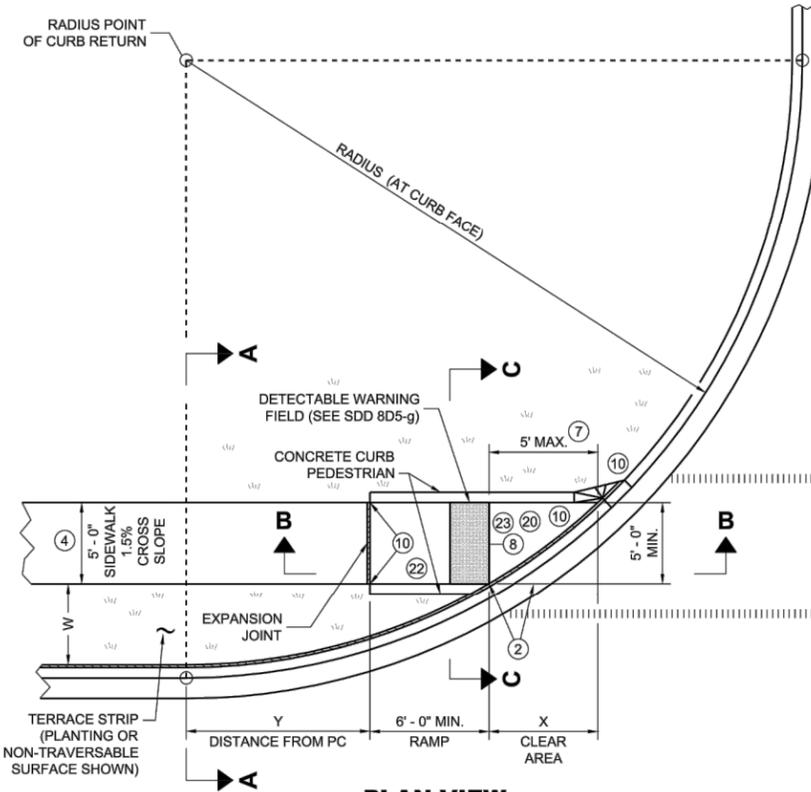
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NO.	DATE	REVISION

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DATE 2026	
SHEET NO. <b>26</b>	

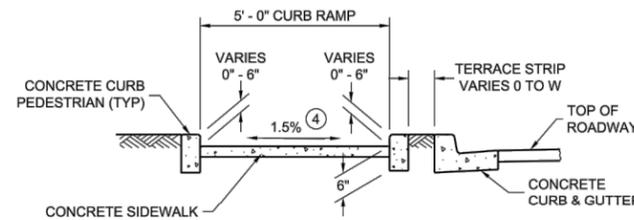
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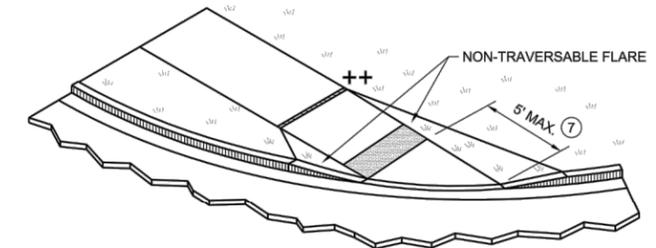
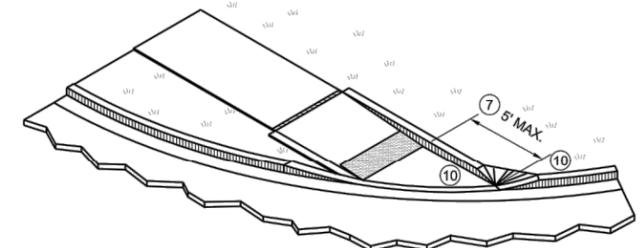
RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10 1/4"	0'-5"	2'-1"	1'-4 1/2"	1'-5"	2'-1"	0'-10"	2'-7 1/2"	0'-3 3/4"	3'-0 1/4"						
15 FEET	4'-6 3/4"	2'-1 3/4"	3'-9"	3'-5 3/4"	3'-1 1/4"	4'-6"	2'-6 3/4"	5'-4 1/2"	2'-1"	6'-1"	1'-8"	6'-8 1/2"	1'-3 3/4"	7'-2 1/2"	0'-10 3/4"	7'-7 1/4"
20 FEET			4'-11 1/2"	5'-1 3/4"	4'-3 3/4"	6'-5 1/2"	3'-8 3/4"	7'-7"	3'-3"	8'-6 1/2"	2'-10"	9'-4 1/2"	2'-5 1/2"	10'-1 1/4"	2'-1 1/4"	10'-9"
30 FEET									4'-10 3/4"	12'-5 3/4"	4'-5 1/2"	13'-7 3/4"	4'-0 3/4"	14'-8 1/2"	3'-8 1/2"	15'-8 1/4"
40 FEET															4'-10 3/4"	19'-8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED  
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH  
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



**GENERAL NOTES**

- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.
- 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.
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- (2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- (3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.
- (4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- (7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.
- (8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- (10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.
- (17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.
- (20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.
- (22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.
- (23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



**CURB RAMPS  
TYPE 4B AND 4B1**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

NOTE: ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 6-INCH

- LEGEND**
- 1/2" EXPANSION JOINT SIDEWALK
  - - - CONTRACTION JOINT SIDEWALK
  - ||||| PAVEMENT MARKING CROSSWALK (WHITE)
  - \* MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
  - ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

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1445 McMAHON DRIVE NEENAH, WI 54956  
Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025  
PH 920.751.4200 FAX 920.751.4284 MCINGRFP.COM

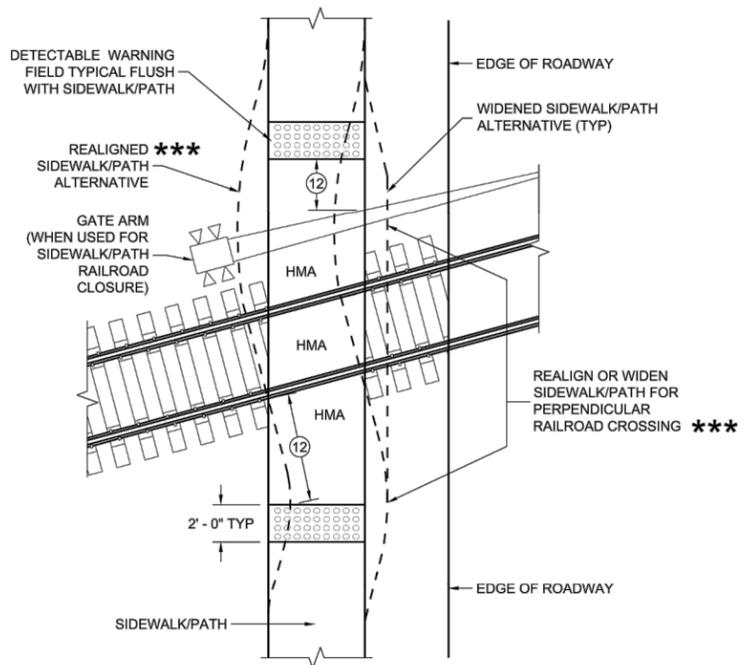
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

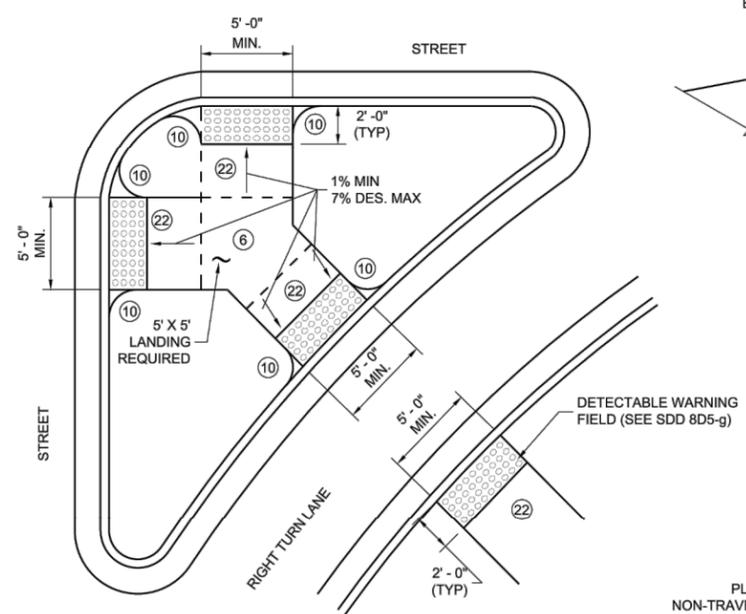
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>27</b>	

**SDD 08D05-22d**

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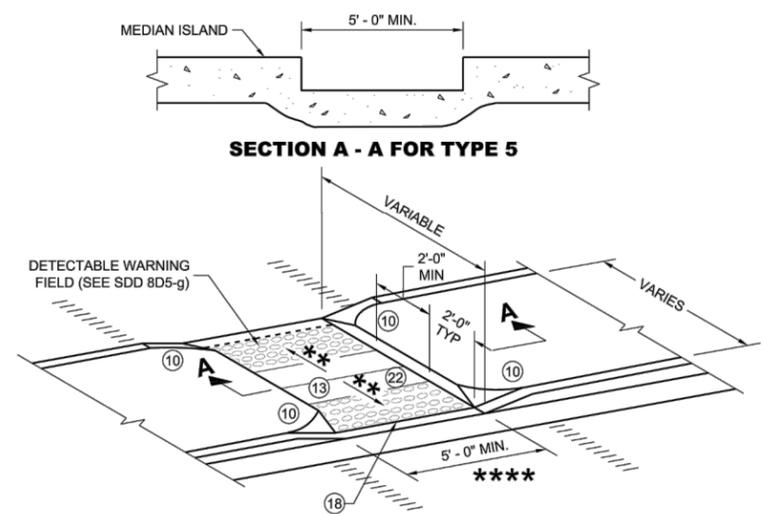


**CURB RAMP TYPE 8**  
DETECTABLE WARNINGS  
FOR SIDEWALKS OR SHARED USE PATHS  
AT RAILROAD CROSSINGS

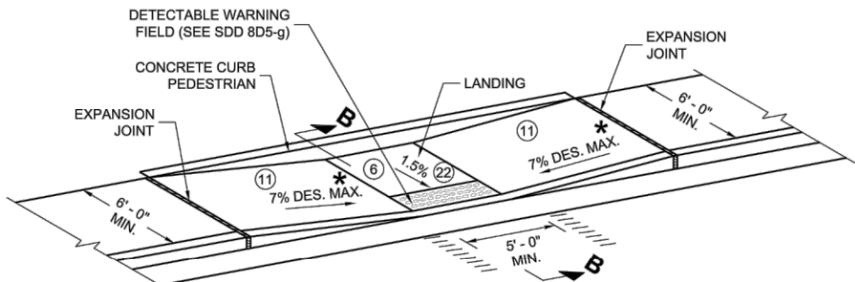


**CURB RAMP TYPE 6**  
DETECTABLE WARNING AT ISLANDS

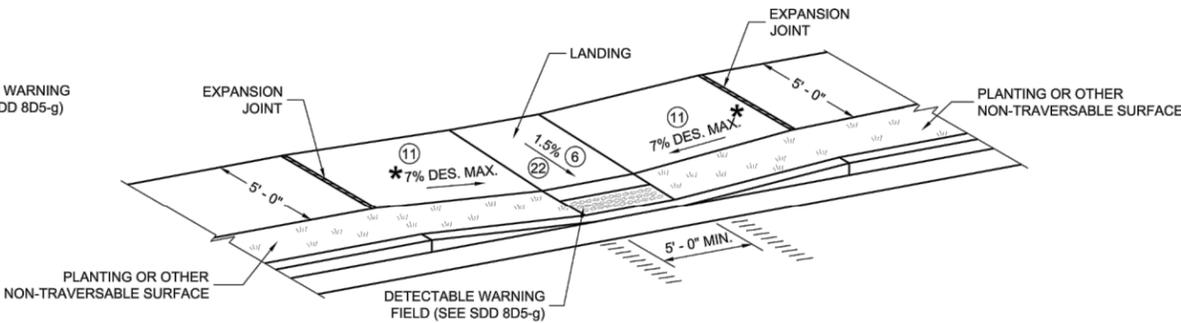
REFER TO GENERAL NOTES (2) AND (3)  
FOR ALL ISLAND CURB RAMPS



**SECTION A - A FOR TYPE 5**  
**CURB RAMP TYPE 5**  
MEDIAN ISLAND  
NON-ELEVATED PEDESTRIAN CROSSING



**CURB RAMP TYPE 7A**  
FOR INTERSECTIONS AND  
MID BLOCK CROSSINGS



**CURB RAMP TYPE 7B**  
FOR INTERSECTIONS AND  
MID BLOCK CROSSINGS

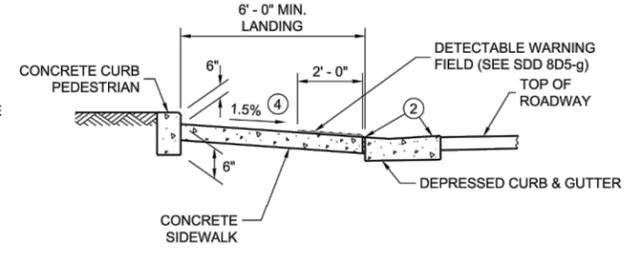
NOTE: ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 6-INCH

**GENERAL NOTES**

- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.
- 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. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.
- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.
- (2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
  - (3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.
  - (4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
  - (6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.
  - (10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.
  - (11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.
  - (12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.
  - (13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.
  - (17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.
  - (18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.
  - (22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

**LEGEND**

- 1/2" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- MAXIMUM 8.3%
- 1% MINIMUM (PROVIDE DRAINAGE)
- DETAILS TO BE DETERMINED BY ENGINEER
- FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK



**SECTION B - B FOR TYPE 7A**

**CURB RAMPS**  
TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

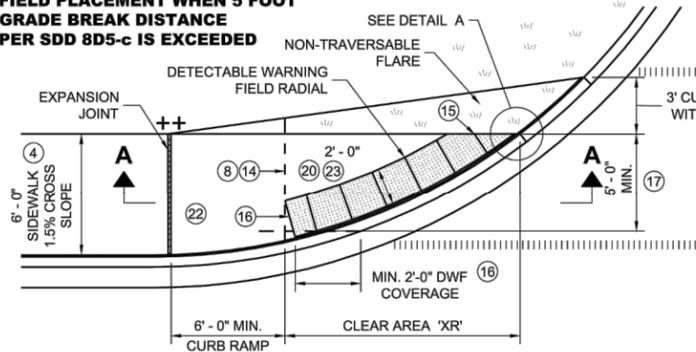
**SDD 08D05-22e**

NO.	DATE	REVISION

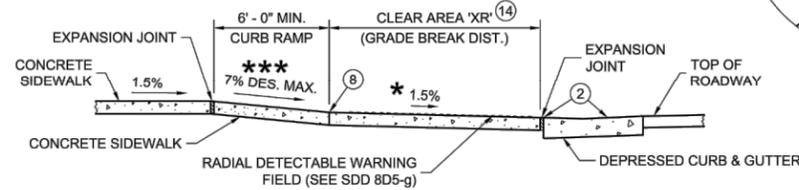
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PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. 28	

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**RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED**

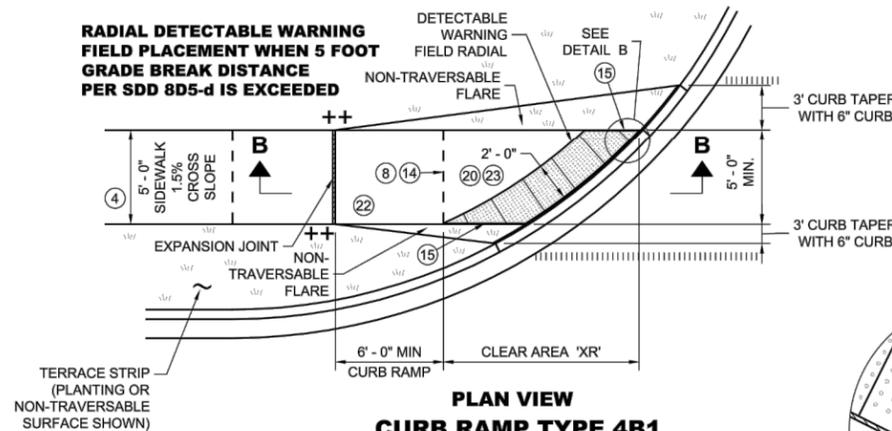


**PLAN VIEW  
CURB RAMP TYPE 4A1  
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)**

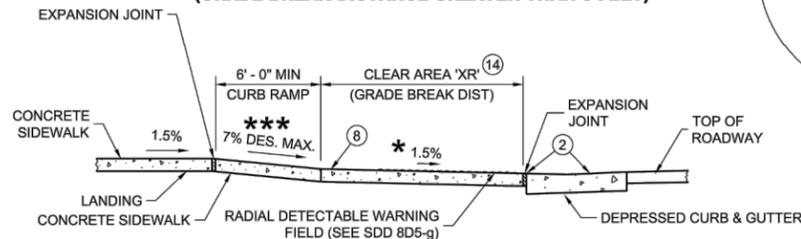


**SECTION A - A FOR TYPE 4A1**

**RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED**



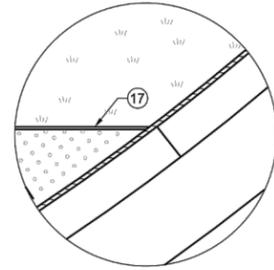
**PLAN VIEW  
CURB RAMP TYPE 4B1  
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)**



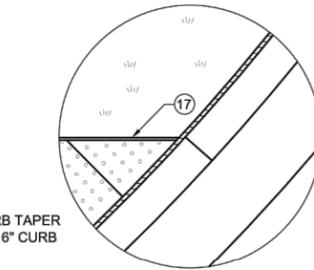
**SECTION B - B FOR TYPE 4B1**

**LEGEND**

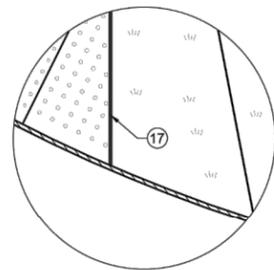
- ½" EXPANSION JOINT SIDEWALK
- - - CONTRACTION JOINT SIDEWALK
- ||||| PAVEMENT MARKING CROSSWALK (WHITE)
- \*\* WIDTH SHOWN ELSEWHERE IN THE PLANS
- \*\*\* MAXIMUM 8.3%
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



**DETAIL A**



**DETAIL B**



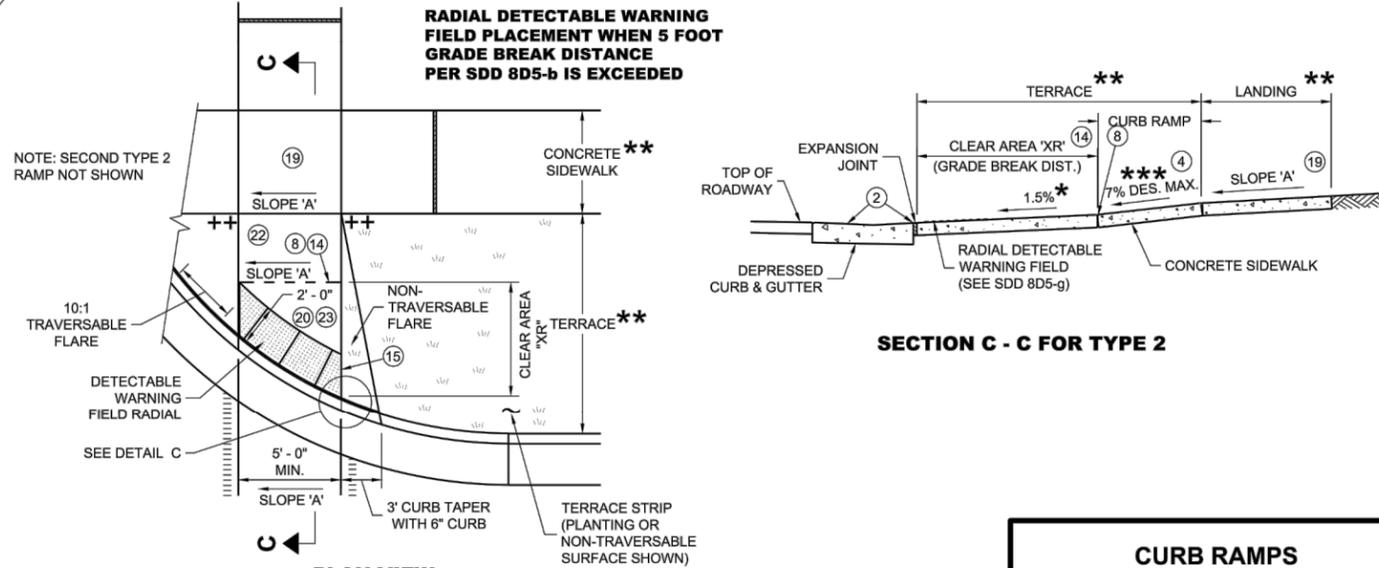
**DETAIL C**

**GENERAL NOTES**

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.  
 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.  
 DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.  
 APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.  
 REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.  
 FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.  
 DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

- 2 GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.
- 3 MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.
- 4 ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- 6 PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.
- 8 PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.
- 14 CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION 'XR') REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.
- 15 FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.
- 16 USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.
- 17 A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.
- 19 WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.
- 20 MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.
- 22 THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.
- 23 THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

**RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED**



**PLAN VIEW  
CURB RAMP TYPE 2  
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)  
(ON LINE WITH SIDEWALK)**

NOTE: ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 6-INCH

<b>CURB RAMPS RADIAL DETECTABLE WARNING</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	

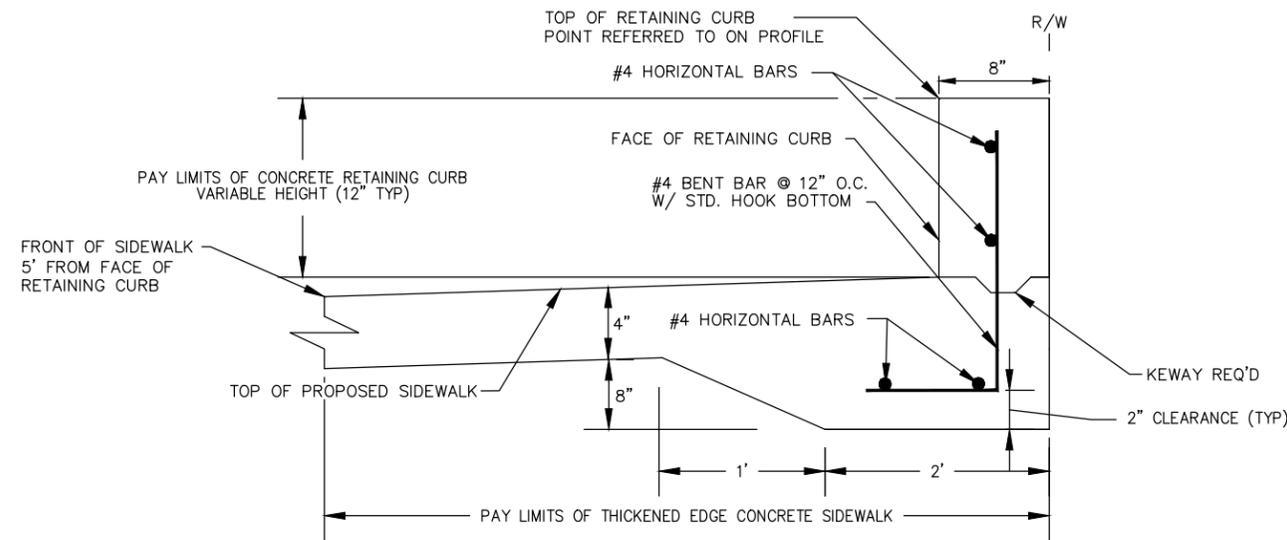
**SDD 08D05-22f**

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>29</b>	

**McMAHON**  
 ENGINEERS & ARCHITECTS  
 1445 McMAHON DRIVE WEEHAW, WI 54986  
 Mailing: P.O. BOX 1025 WEEHAW, WI 54987-1025  
 PH 920.751.4200 FX 920.751.4284  
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**NOTE:**

VERTICAL REINFORCEMENT SHALL BE NO.4 EPOXY COATED BENT TIE BAR SPACED @ 30" C-C. PROVIDE BAR LENGTH AS NECESSARY TO OBTAIN 2" CLEAR FROM TOP OF WALL.

HORIZONTAL REINFORCEMENT NO. 4 EPOXY COATED BARS. EACH BAR SHALL BE TIED TO EACH VERTICAL BAR WITH THE UPPER HORIZONTAL BAR TIED 3" FROM THE TOP OF THE VERTICAL BAR, AND THE LOWER HORIZONTAL BAR TIED 2" ABOVE THE TOP OF WALK. HORIZONTAL BARS SHALL BE LAPPED AND TIED, 12".

HORIZONTAL #4 EPOXY COATED BARS REQUIRED WHEREVER THICKENED EDGE SIDEWALK IS CONSTRUCTED.

RETAINING CURB HEIGHT VARIES WITH A MAXIMUM HEIGHT OF 12 INCHES. LIMITS, TAPERS AND HEIGHTS TO BE DETERMINED BY THE ENGINEER.

SIDEWALK LOCATED BEYOND THE RETAINING CURB TO BE CONSTRUCTED FLUSH WITH THE TOP OF THE RETAINING CURB. 1/2-INCH EXPANSION JOINT SHALL BE USED TO SEPARATE THE 4-INCH SIDEWALK FROM THE RETAINING CURB.

MINIMUM OF 6-INCHES OF BASE AGGREGATE DENSE 1 1/4-INCH REQUIRED UNDER ALL SIDEWALKS.

## THICKENED EDGE CONCRETE SIDEWALK / CONCRETE RETAINING CURB DETAIL

CTH JJ STA. 57+58 LT. – STA. 59+86 LT.

**McMAHON**  
ENGINEERS ARCHITECTS  
 1445 McMAHON DRIVE WEEENAH, WI 54986  
 Mailing: P.O. BOX 1025 WEEENAH, WI 54957-1025  
 PH 920.751.4200 FX 920.751.4284 MCINGRFP.COM

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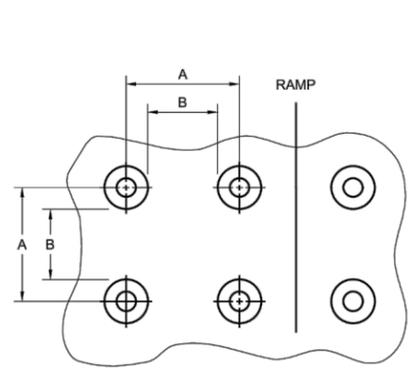
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

DESIGNED	DRAWN
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PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>30</b>	

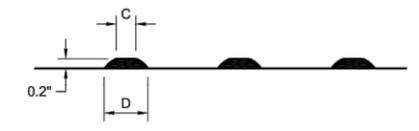
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	MIN.	MAX.
<b>A</b>	1.6"	2.4"
<b>B</b>	0.65"	1.5"
<b>C</b>	*	*
<b>D</b>	0.9"	1.4"

\* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

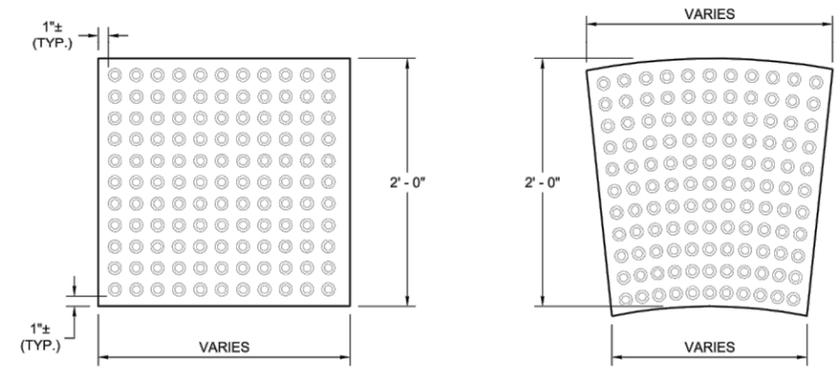


**PLAN VIEW**

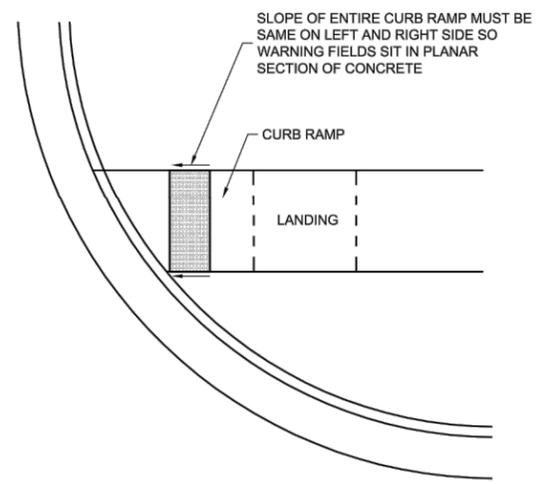


**ELEVATION VIEW**

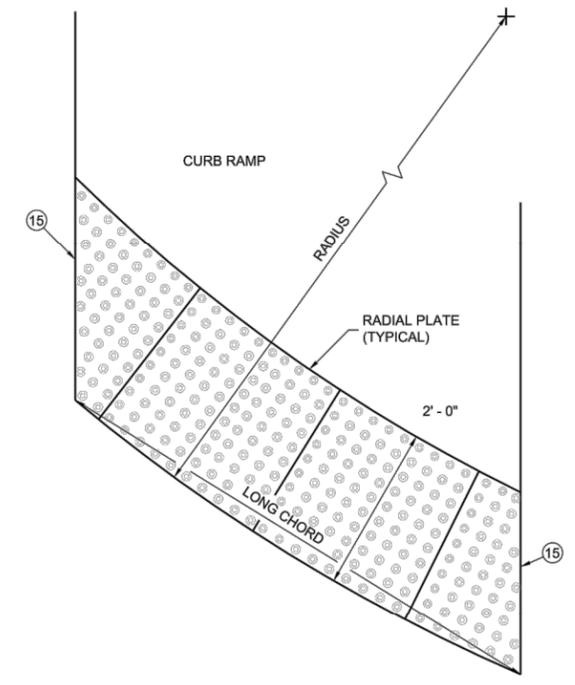
**TRUNCATED DOMES  
DETECTABLE WARNING PATTERN DETAIL**



**RECTANGULAR PLATES**  
**RADIAL PLATES**  
**PLAN VIEW**  
**DETECTABLE WARNING FIELDS (TYPICAL)**



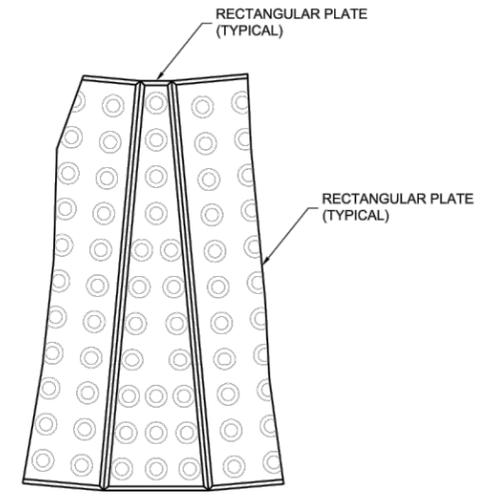
**DETECTABLE WARNING FIELD  
PLANAR INSTALLATION**



**PLAN VIEW**  
**RADIAL DETECTABLE  
WARNING FIELD ATTRIBUTES**

**GENERAL NOTES**

- DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.
- PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.
- FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FIELD ARE PROHIBITED.
- DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.
- FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.
- REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.
- DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.
- FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



**PLAN VIEW**  
**RADIAL WEDGE PLATE  
CONNECTION DETAIL**

<b>CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2025 DATE	/S/ Rodney Taylor <position>
FHWA	

**SDD 08D05-22g**



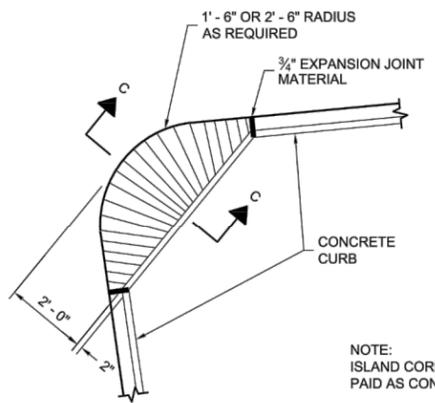
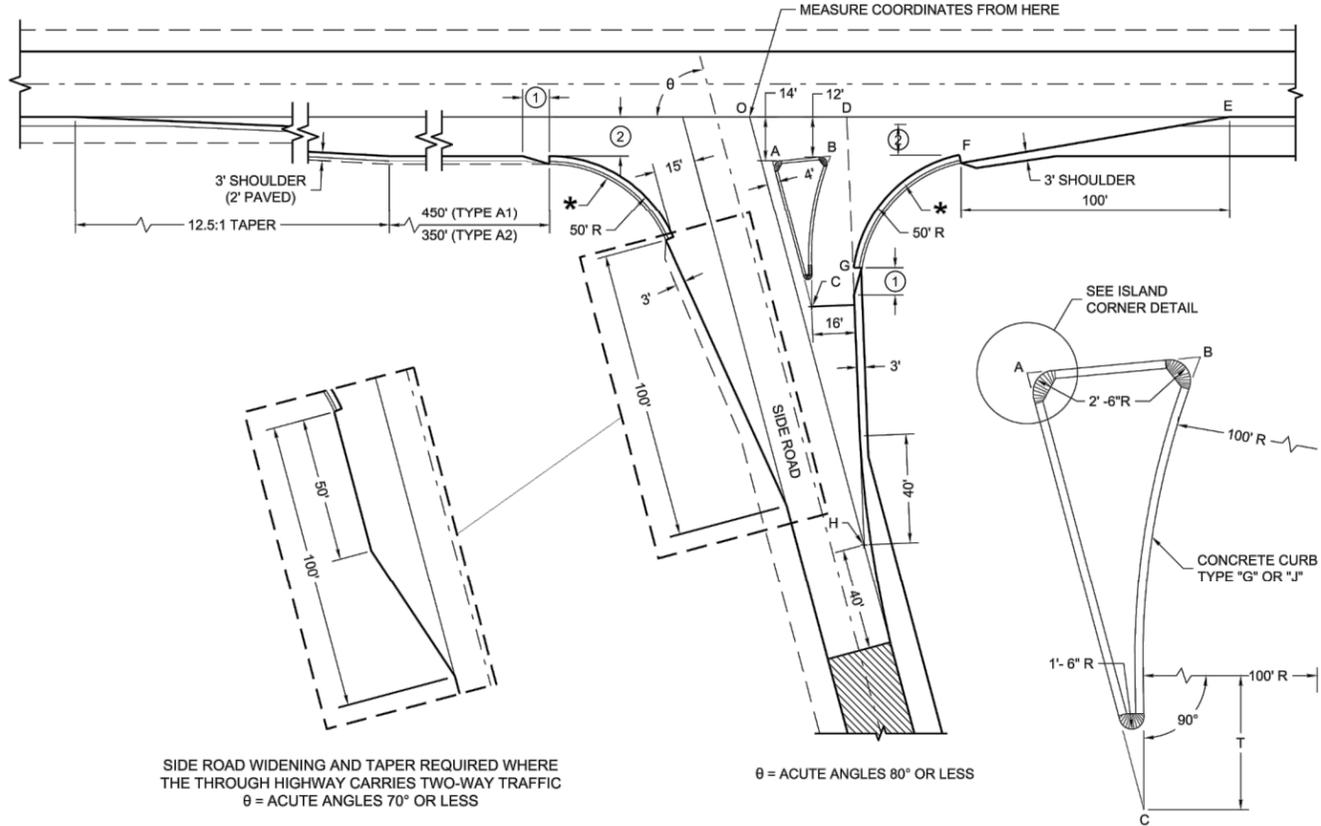
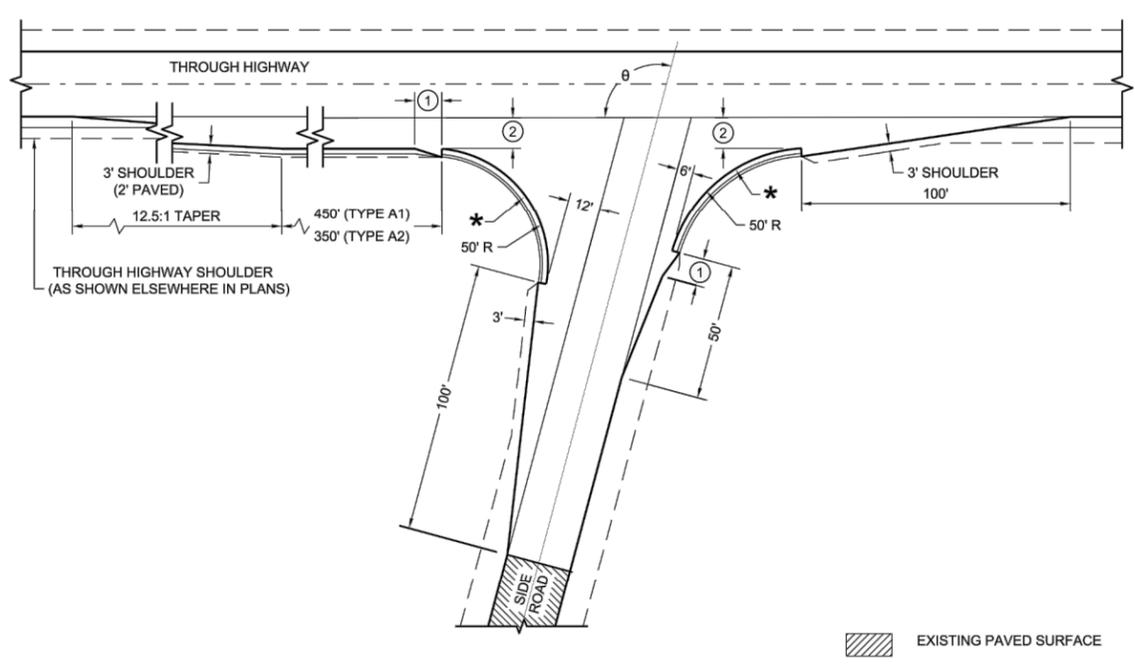
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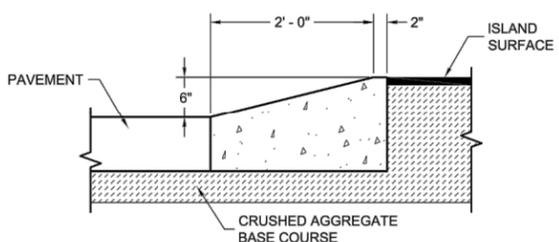
**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>31</b>	

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NOTE: ISLAND CORNER WILL BE PAID AS CONCRETE CURB.



**SECTION C - C**  
**ISLAND CORNER DETAIL**  
(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

**TABLE OF DIMENSIONS FOR VARIABLE SIDE ROAD INTERSECTION ANGLES**  
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

ANGLE $\theta$ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT 'O')								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7	44.9	46.4	41.9	205.0	104.6	64.0	85.0	32.3	67.4	4.9	85.9	169.9
65	10.9	39.0	37.8	39.4	196.1	95.7	54.1	70.5	28.2	63.6	8.5	80.9	166.9
70	9.4	33.9	29.8	37.4	188.3	87.8	45.6	56.1	24.6	59.7	11.5	76.1	164.1
75	7.9	29.3	22.3	35.7	181.2	80.7	38.2	41.8	21.5	55.8	13.8	71.4	161.4
80	6.5	25.4	15.6	34.4	174.8	74.4	31.8	27.6	18.9	52.0	15.6	66.9	158.9

**TYPE 'A1" AND "A2" SIDE ROAD INTERSECTION DETAILS**

**AT GRADE SIDE ROAD INTERSECTIONS**  
**TYPES "A1" AND "A2"**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2022  
DATE

/s/ John Jenkins  
ROADWAY STANDARDS DEVELOPMENT  
UNIT SUPERVISOR

FHWA

**SDD 09A01-14b**

**McMAHON**  
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McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE WEEHAW, WI 54986  
Mailing: P.O. BOX 1025 WEEHAW, WI 54957-0025  
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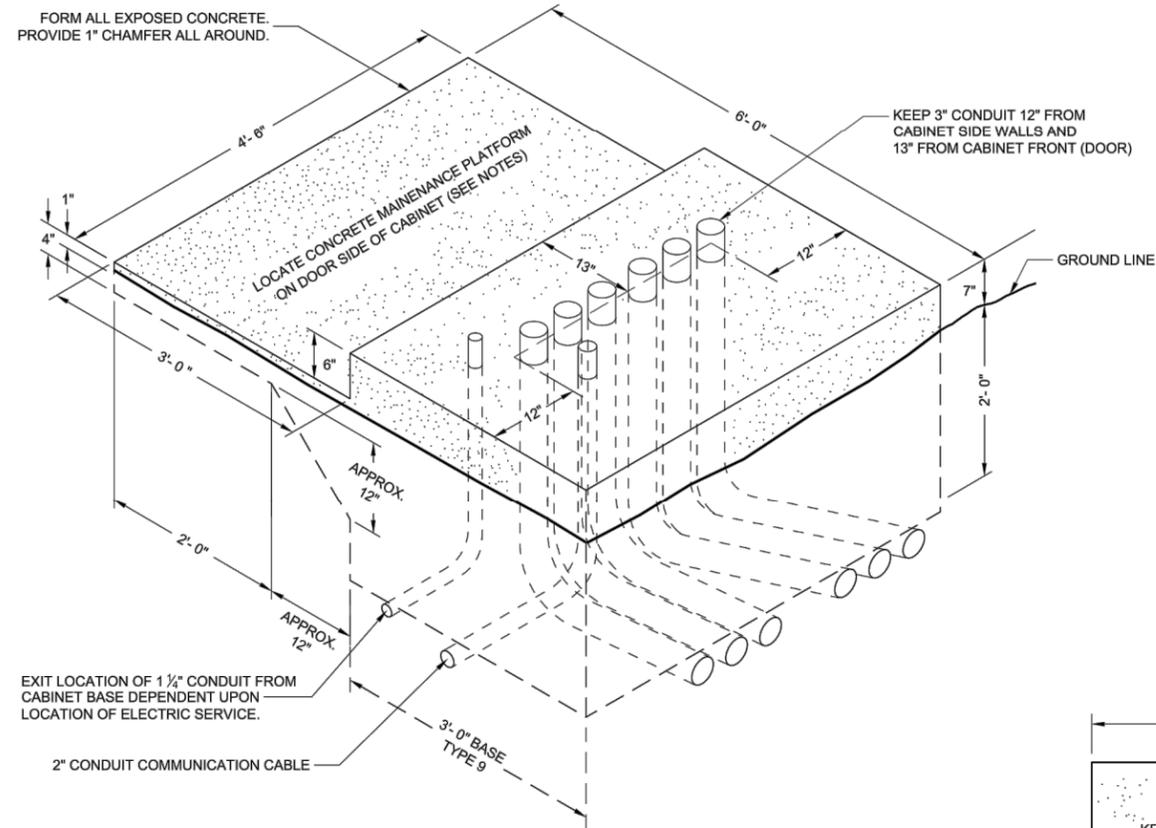
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>32</b>	

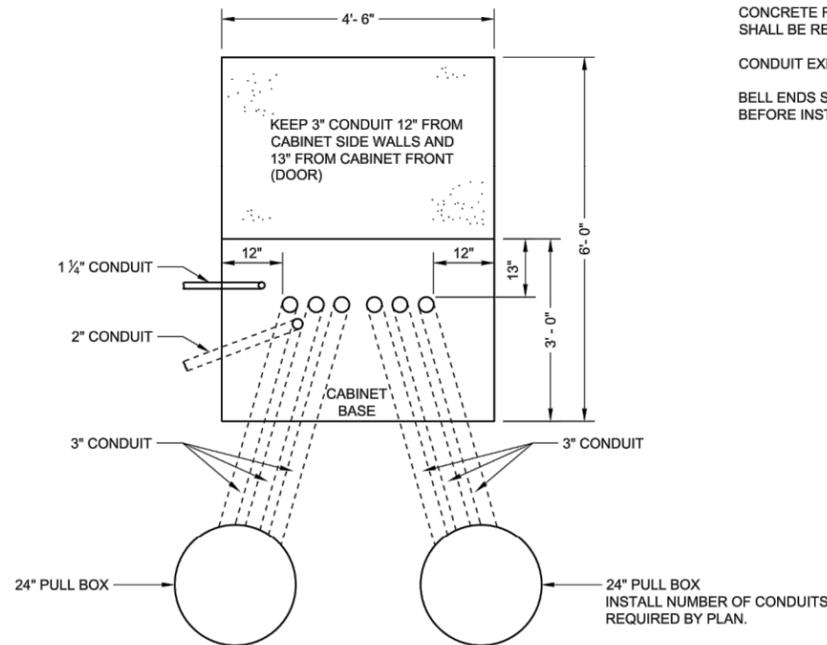


I:\projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH JJ\_DOWNTOWN\CTH\_JJ\_CD\_DT.dwg, 20, Plot Date: 2/11/2026 9:46 AM, xref:stone



**ISOMETRIC VIEW  
TYPE 9 SPECIAL**

(C.Y. CONCRETE = APPROX. 1.56)



**PLAN VIEW  
CONCRETE CONTROL CABINET BASE,  
TYPE 9 SPECIAL**

**GENERAL NOTES**

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

INSTALL FOUR 1/2 INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

<b>CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED September 2014 DATE	/S/ Ahmet Demerbilek STATE ELECTRICAL ENGINEER
FHWA	

**SDD 09C06 - 07**



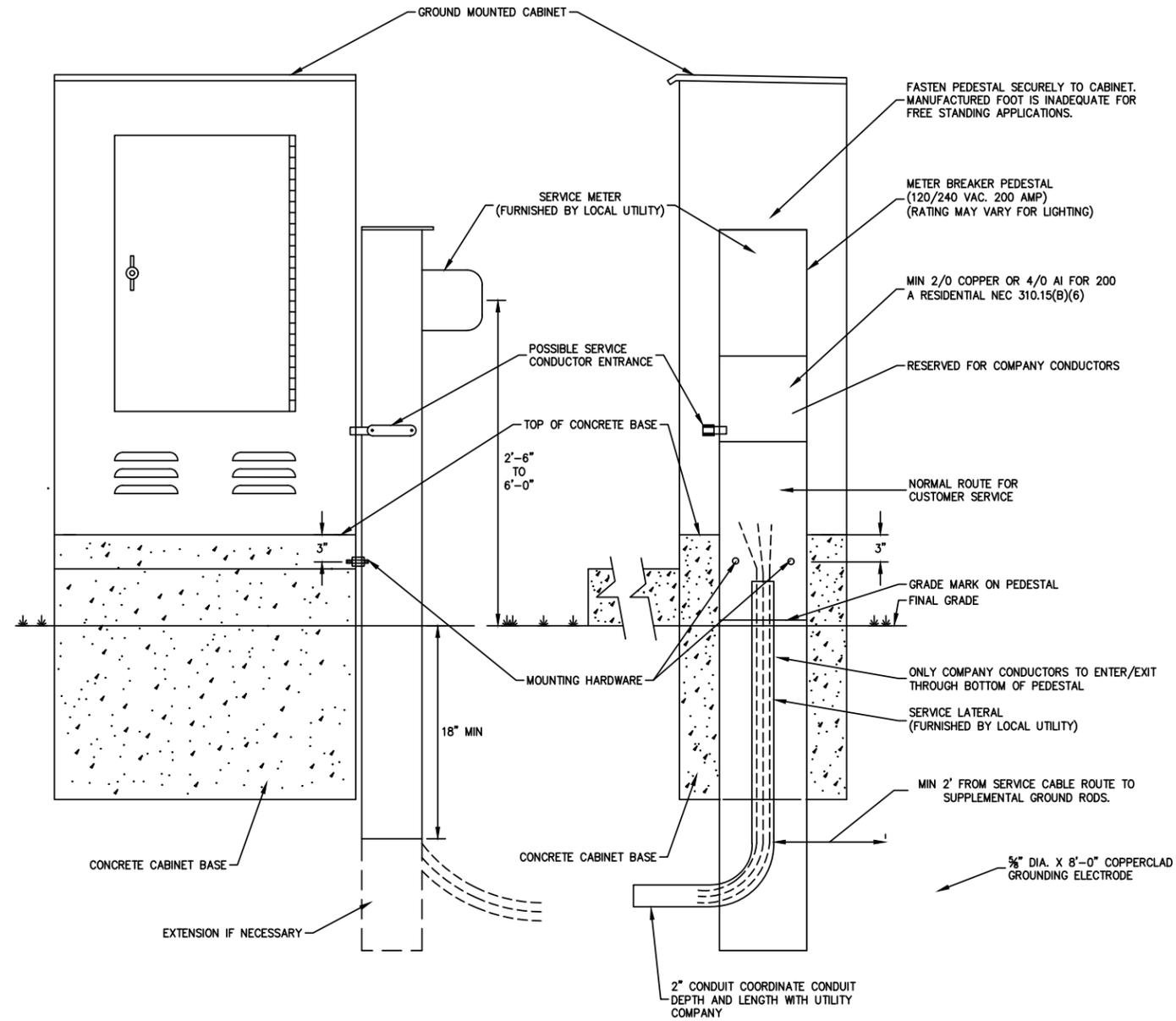
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NO.	DATE	REVISION

**CTH JJ (OLD 5TH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>34</b>	

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### TYPICAL CABINET SERVICE INSTALLATION

**Notes:**

1. The pedestal cannot be used for other customer wires such as a feeder out to the garage (NEC 230.7).
2. All meter pedestals must be ringless, have minimum of horn bypass, be sealable, and be UL-listed.
3. Only pedestals are allowed for underground because of frost heave problems.

Possible acceptable catalog numbers. Extension only needed if required for height reasons.

Milbank	U3358-0-KK	Ext. K5800 (15")
Schneider Electric	UHT-RP2423-63	Ext. 1007680 (18") or 1008786 (30")
Cutler Hammer	UHT-RP2423-63-CH	ext. 1007680-CH (18") or 1008786-CH (30")
Midwest	UHT-RP2423-63-MEP	Ext. 1007680-MEP (18") or 1008786-MEP (30")
Landis & Gyr (Siemens)	UAP317-PPWI	Ext. 5007718
Durham	UHT-RP2423-63	ext. 1007680 (18") or 1008786 (30")

### GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENT MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INS PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULE AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.



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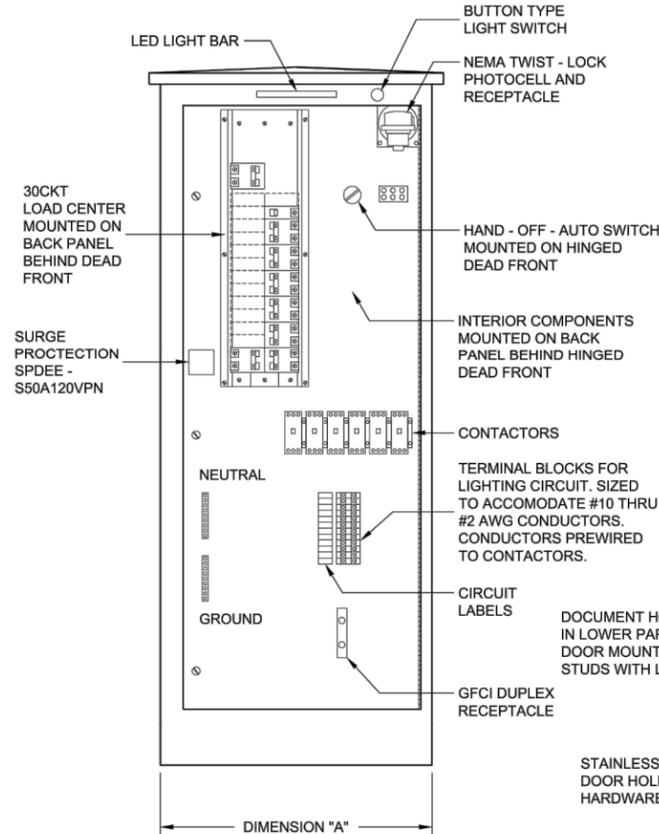
NO.	DATE	REVISION

**CTH JJ (OLD 5TH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>35</b>	

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**FRONT INTERIOR ELEVATION**



**SIDE VIEW**

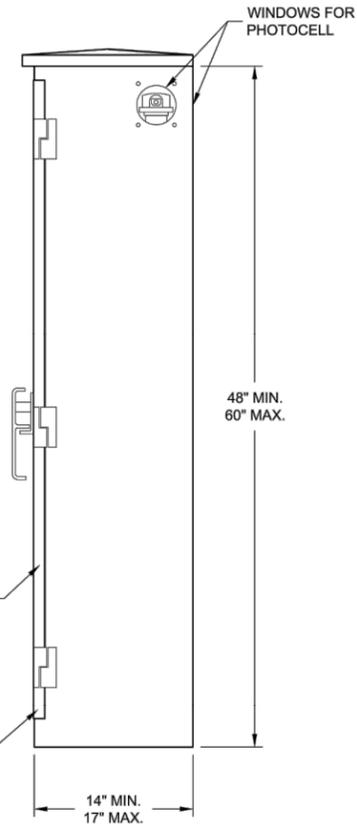
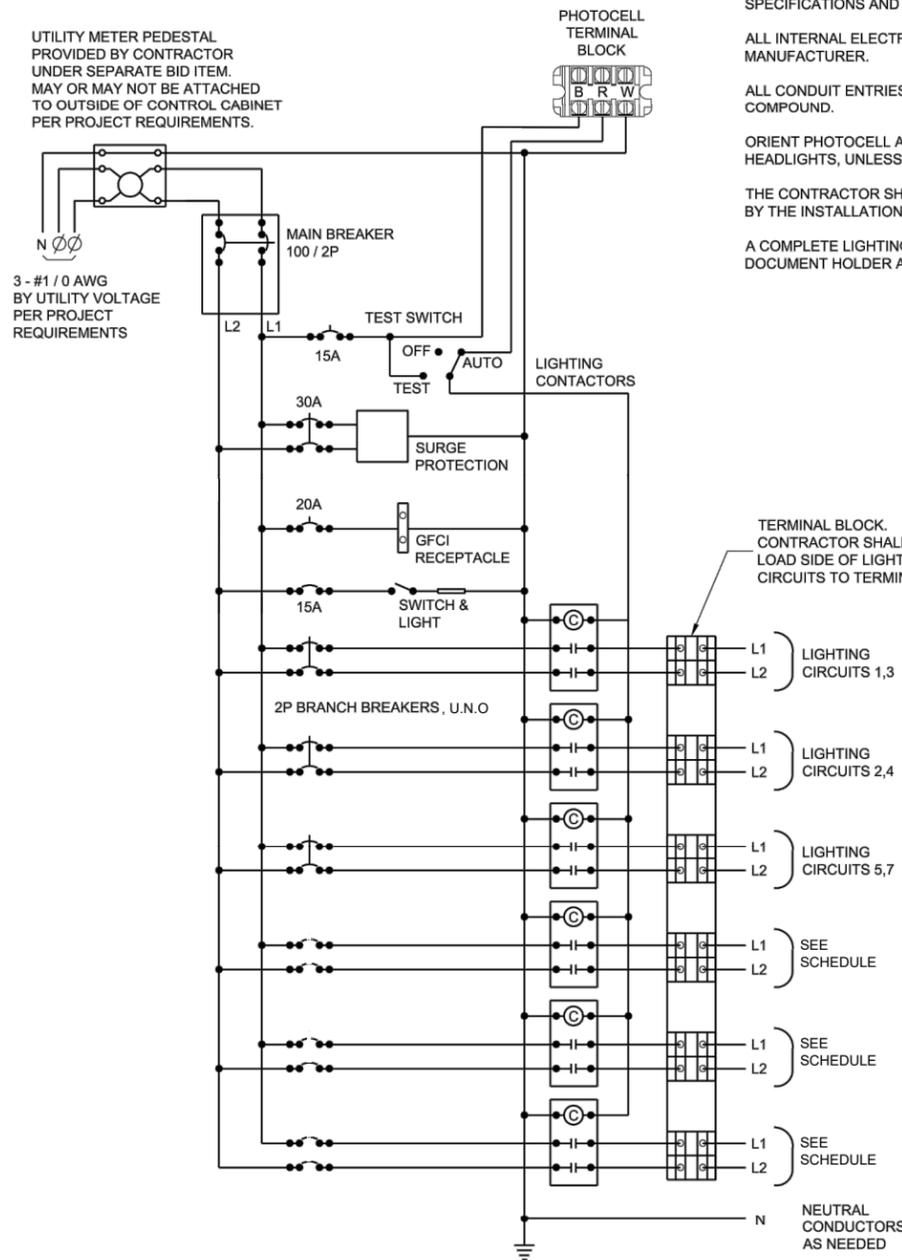


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

**LIGHTING CONTROL CABINET**

UTILITY METER PEDESTAL PROVIDED BY CONTRACTOR UNDER SEPARATE BID ITEM. MAY OR MAY NOT BE ATTACHED TO OUTSIDE OF CONTROL CABINET PER PROJECT REQUIREMENTS.



**CONTROL CABINET SCHEMATIC**

**GENERAL NOTES**

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINET MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

NOTE:  
CABINET #1 IS FOR FUTURE USE

CONTROL CABINET #2		
CIRCUIT	LOAD	CONTROL
1, 3	LIGHTING	CONTACTOR - PHOTOCELL
2,4	LIGHTING	CONTACTOR - PHOTOCELL
5,7	LIGHTING	CONTACTOR - PHOTOCELL
6,8	LIGHTING	CONTACTOR - PHOTOCELL
9	RECEPT	CONTACTOR - PHOTOCELL
10	RECEPT	CONTACTOR - PHOTOCELL
11	RECEPT	CONTACTOR - PHOTOCELL
12	RECEPT	CONTACTOR - PHOTOCELL
13	CLOCK	NO CONTROL
14	RRFB'S	NO CONTROL

**LIGHTING CONTROL CABINET**  
**120 / 240 VOLT**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2018 /S/ Ahmet Demirebilek  
DATE STATE ELECTRICAL ENGINEER

FHWA

**SDD 09D04 - 03**

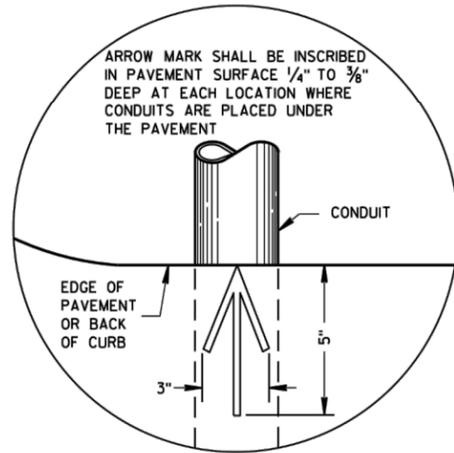
**McMAHON**  
ELECTRICAL CONTRACTORS  
McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE WEEHAW, WI 54986  
Mailing: P.O. BOX 1025 WEEHAW, WI 54957-0025  
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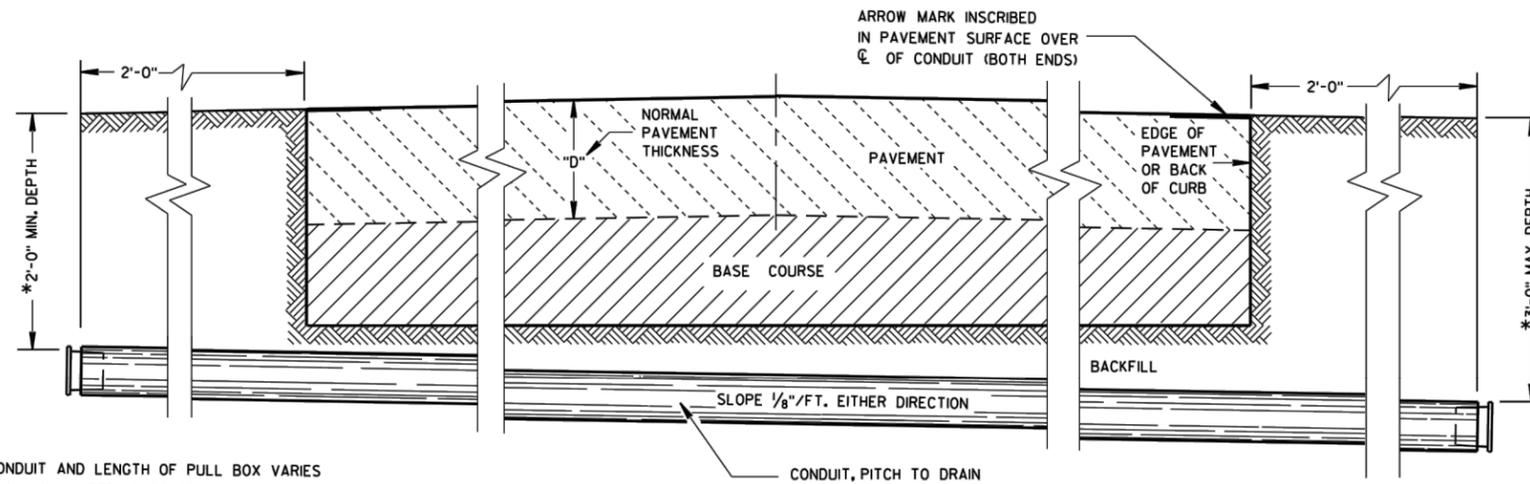
NO.	DATE	REVISION

**CTH JJ (OLD 5TH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>36</b>	



PLAN VIEW  
ARROW MARK



\*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

**GENERAL NOTES**

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

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 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES 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 OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

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.

CONDUIT	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March, 2017 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL ENGINEER
FHWA	

S.D.D. 9 B 2-10

CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. 37	

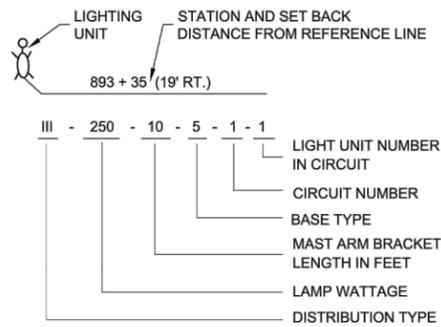
**McMAHON**  
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**GENERAL NOTES**

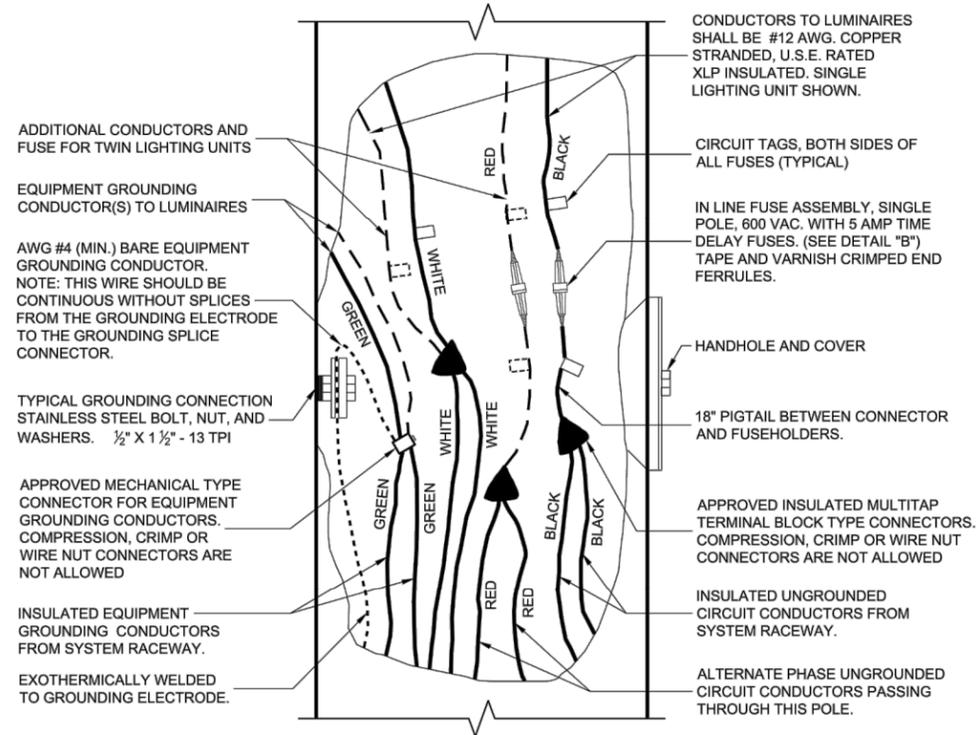
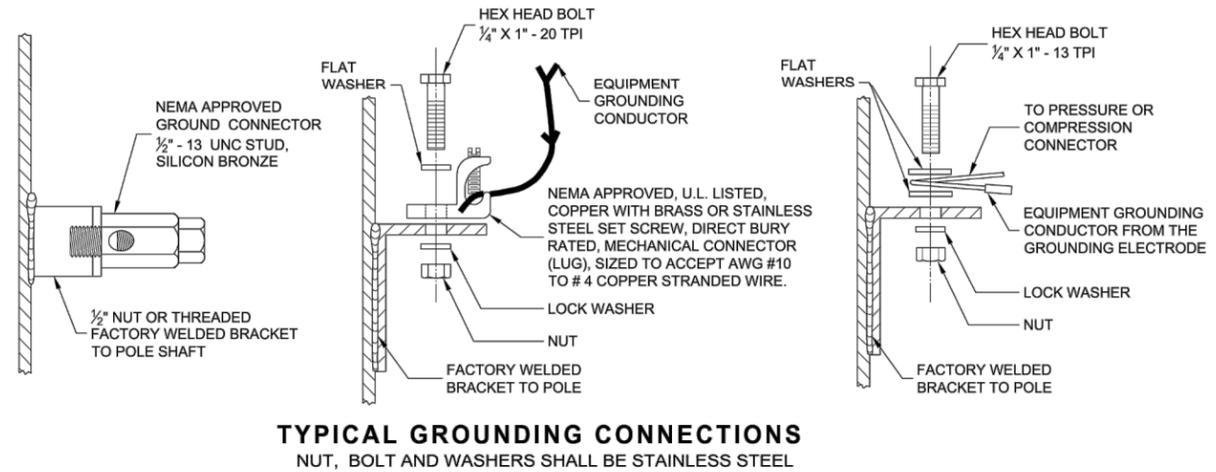
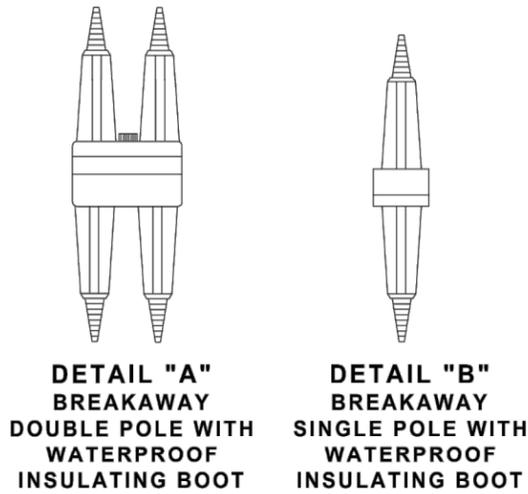
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

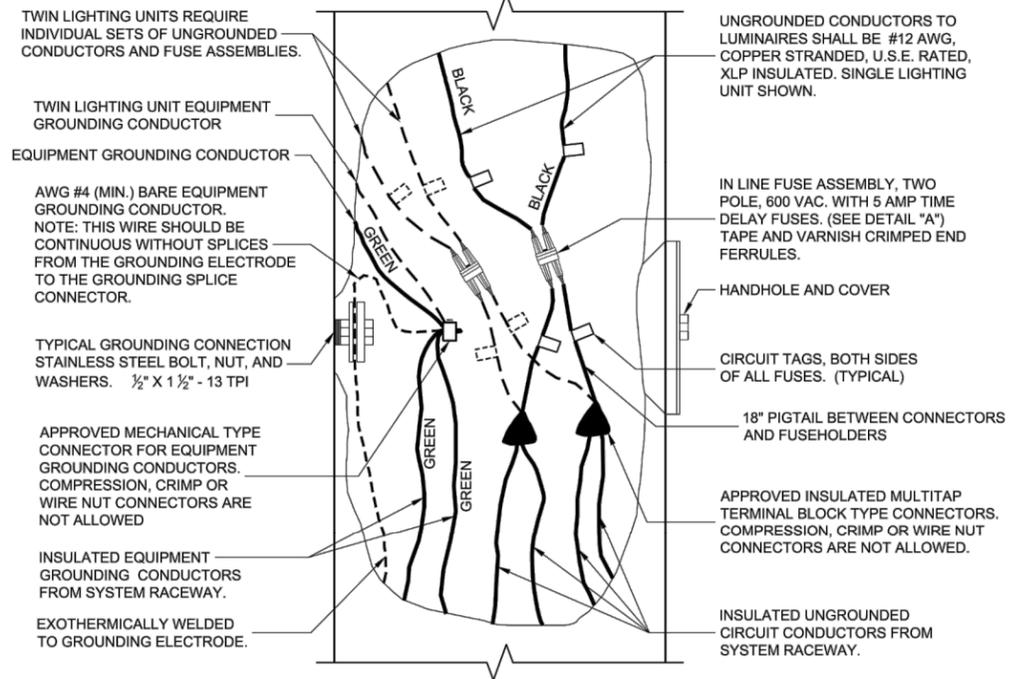
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



**LIGHTING UNIT CODE (TYPICAL)**



**3 WIRE - 120, 240 OR 480 VAC (UNGROUNDING CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR**



**2 WIRE - 240 OR 480 VAC (UNGROUNDING CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR**

**NON - FREEWAY LIGHTING UNIT POLE WIRING**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2018 DATE /S/ Ahmet Demirbilek  
STATE ELECTRICAL ENGINEER

**SDD 09E03 - 06**

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. 38	

**McMAHON**  
McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE WEEHAW, WI 54986  
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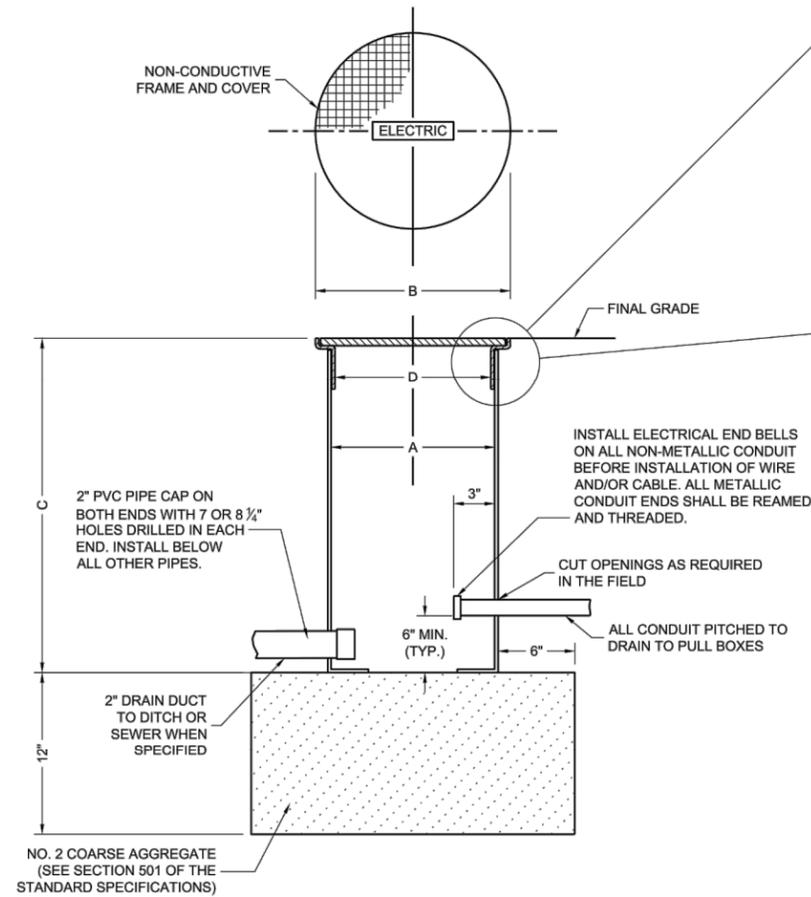
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TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

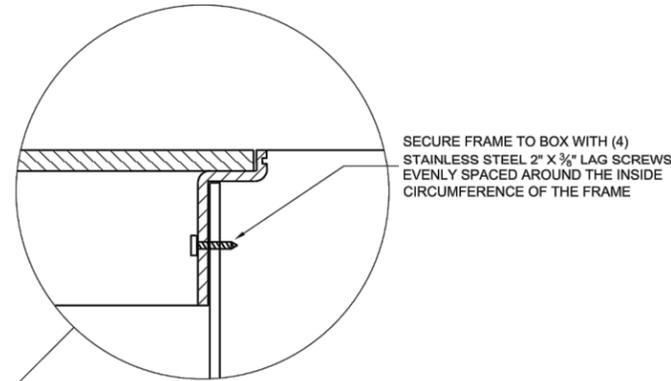
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 1/2	22 1/2
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

\* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

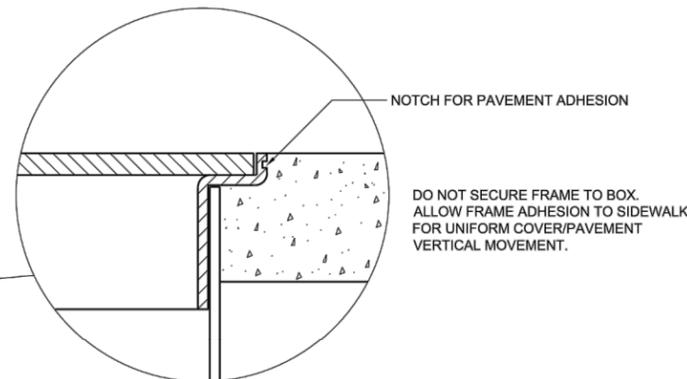
\*\* DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



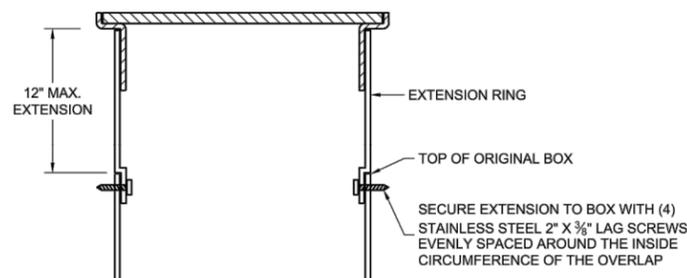
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DISCONTINUITIES LESS THAN 1/4".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

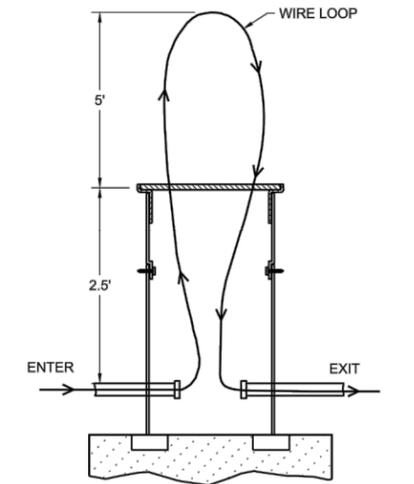
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

<b>PULL BOXES NON-CONDUCTIVE</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2024 DATE	/S/ Ahmet Demirebilek STATE ELECTRICAL ENGINEER
FHWA	

**SDD 09B16-03**

**McMAHON**  
McMAHON ASSOCIATES, INC.  
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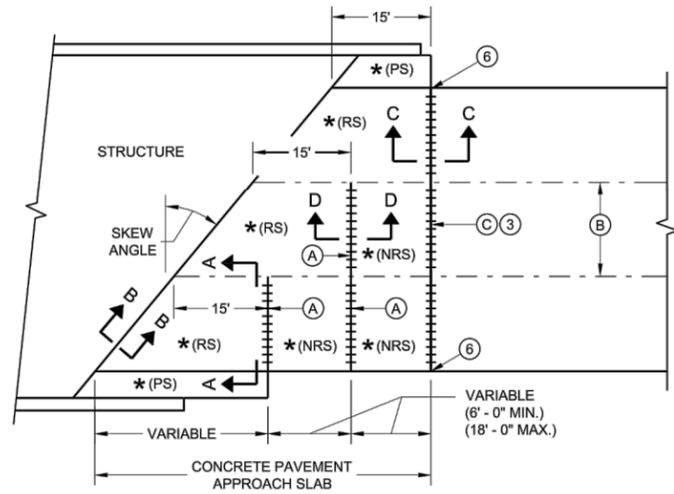
NO.	DATE	REVISION

CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

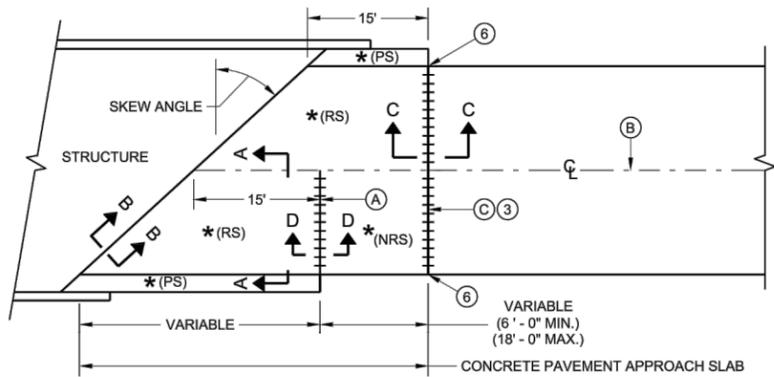
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>39</b>	



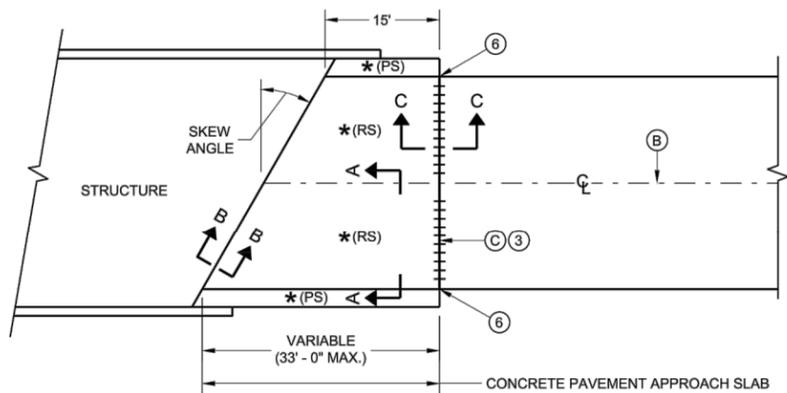
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**SKewed APPROACH  
(PAVEMENT MORE THAN TWO LANES)**

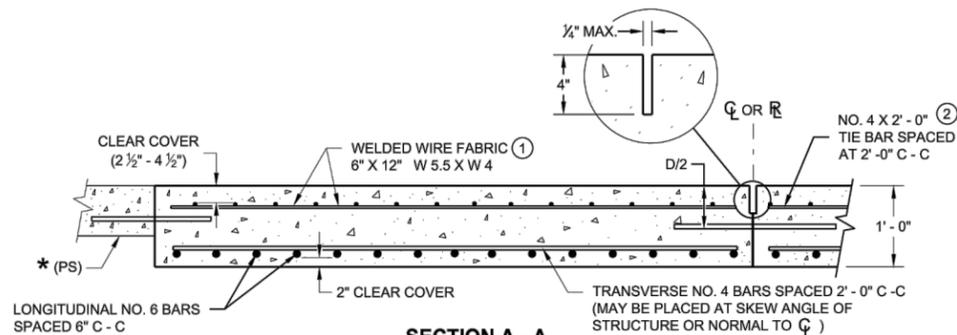


**SKews > 20°  
(PAVEMENT WIDTH ≤ 30')**

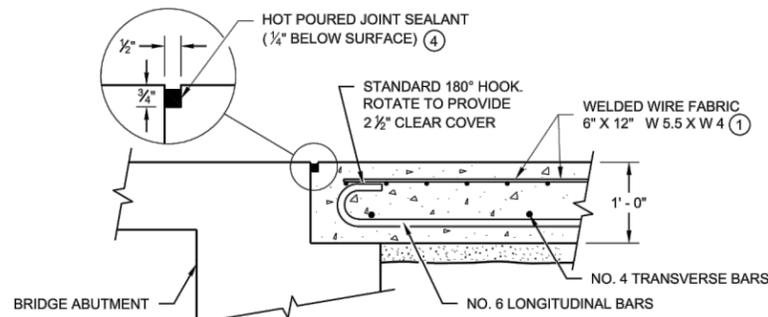


**SKews ≤ 20°  
(PAVEMENT WIDTH ≤ 30')**  
**APPROACH SLAB AND ADJACENT PAVEMENT**

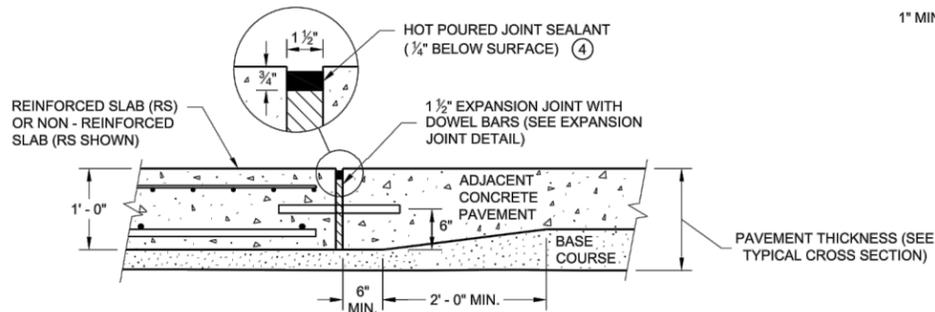
- \* (RS) = REINFORCED CONCRETE SLAB
- \* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB
- \* (NRS) - NON - REINFORCED CONCRETE SLAB
- \*\*\* STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



**SECTION A - A  
REINFORCEMENT POSITIONING DETAIL**



**SECTION B - B  
BEND DETAIL  
BOTTOM REINFORCEMENT**



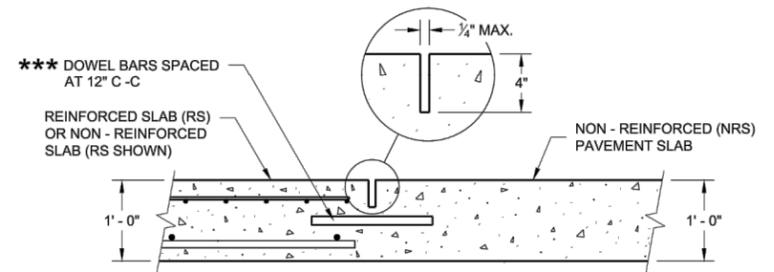
**SECTION C - C  
TRANSITION DETAIL  
APPROACH SLAB TO ADJACENT PAVEMENT**

**GENERAL NOTES**

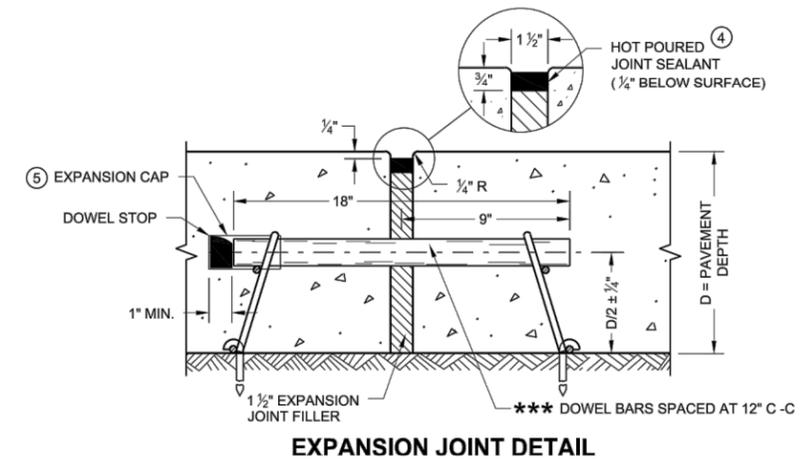
THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

- 1 THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2'-0" C-C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.
- 2 THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.
- 3 DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.
- 4 USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.
- 5 PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.
- 6 EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.
- A STANDARD CONTRACTION JOINT NORMAL TO C-C OR R-R.
- B STANDARD LONGITUDINAL JOINT WITH TIE BARS.
- C 1 1/2" EXPANSION JOINT WITH DOWEL BARS NORMAL TO C-C OR R-R.



**SECTION D - D  
CONTRACTION JOINT**



**EXPANSION JOINT DETAIL**

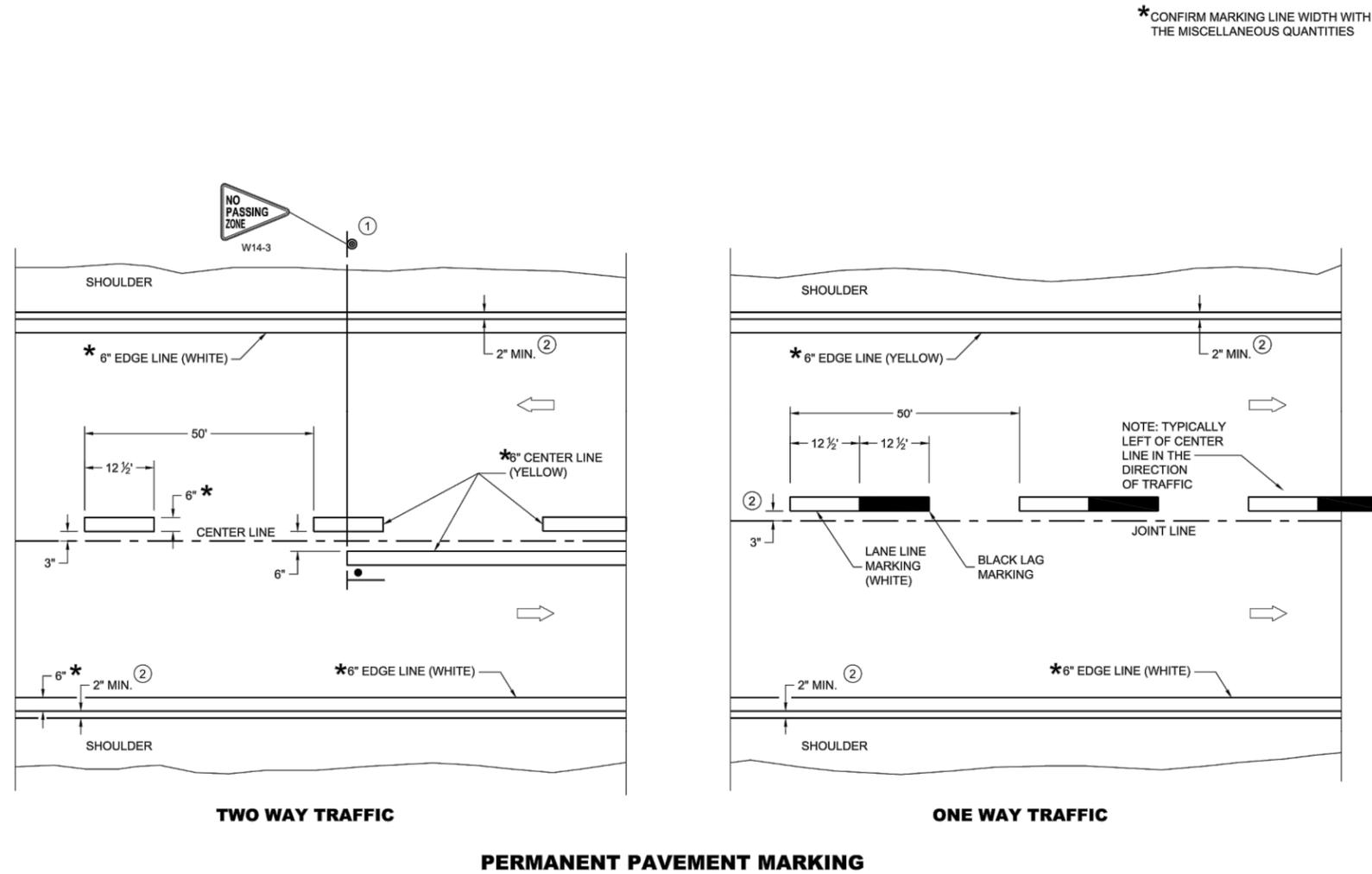
<b>CONCRETE PAVEMENT APPROACH SLAB</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2018 DATE	/S/ Peter Kemp, P.E. PAVEMENT SUPERVISOR
FHWA	

**SDD 13B02 - 09a**

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO.	

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\*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

**GENERAL NOTES**

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

- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- ② MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

**LEGEND**

- "T" MARKING
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC

<b>PERMANENT LONGITUDINAL PAVEMENT MARKINGS</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED December 2024 DATE	/S/ Jeannie Silver Statewide Pavement Marking Engineer
FHWA	

**SDD 15C08-24a**



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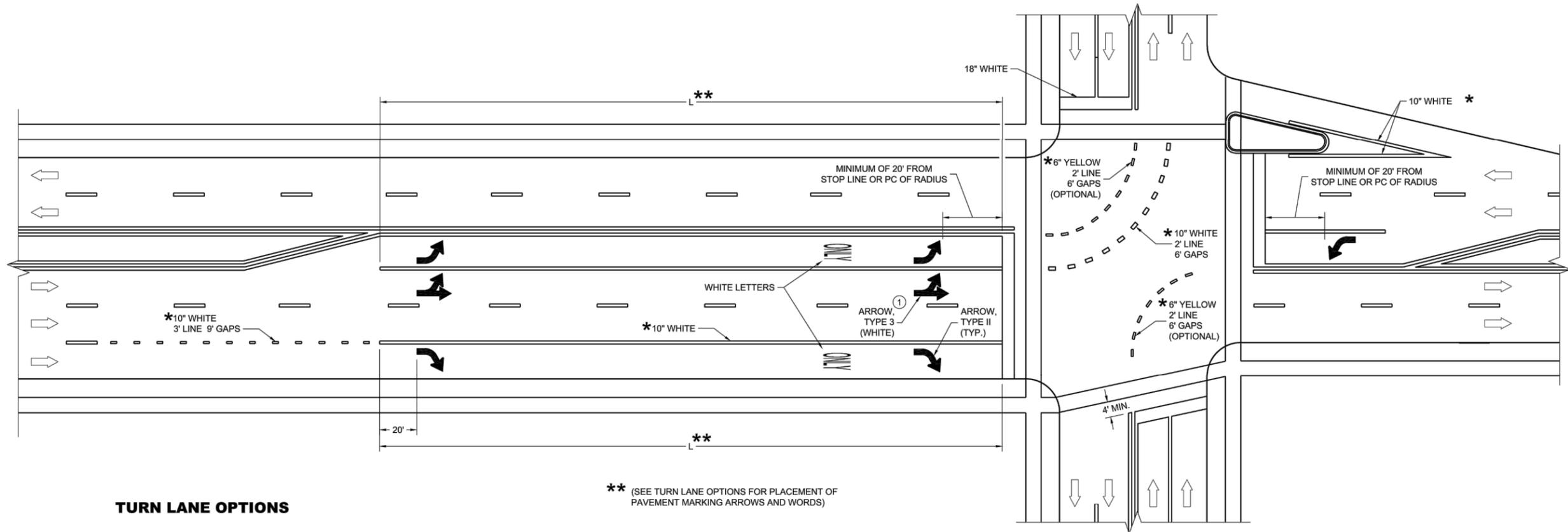
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	

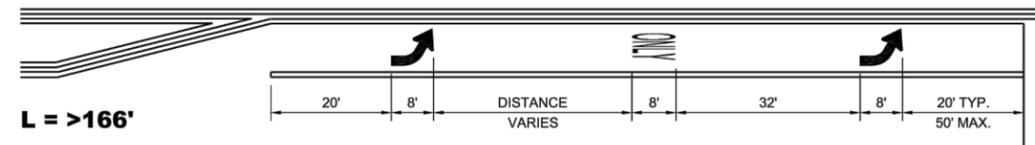
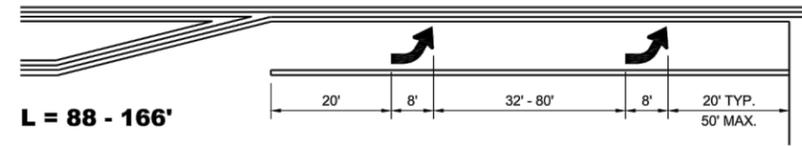
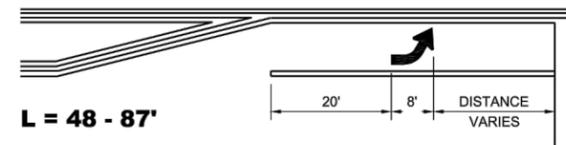
**42**

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**TURN LANE OPTIONS**

LENGTH OF TURN BAY ( **L** ) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



\*\* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

**GENERAL NOTES**

① QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

➡ DIRECTION OF TRAFFIC

**L** = LENGTH OF TURN BAY

\*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

<b>PAVEMENT MARKING (TURN LANES)</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	

**SDD 15C08-24d**

**McMAHON**  
ENGINEERS & ARCHITECTS  
McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE WEEHAW, WI 54986  
Mailing: P.O. BOX 1025 WEEHAW, WI 54957-1025  
PH 920.751.4200 FX 920.751.4284 MCINGRFP.COM

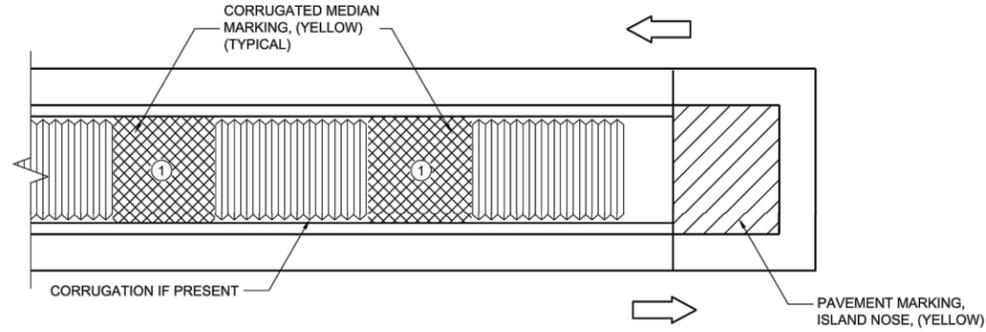
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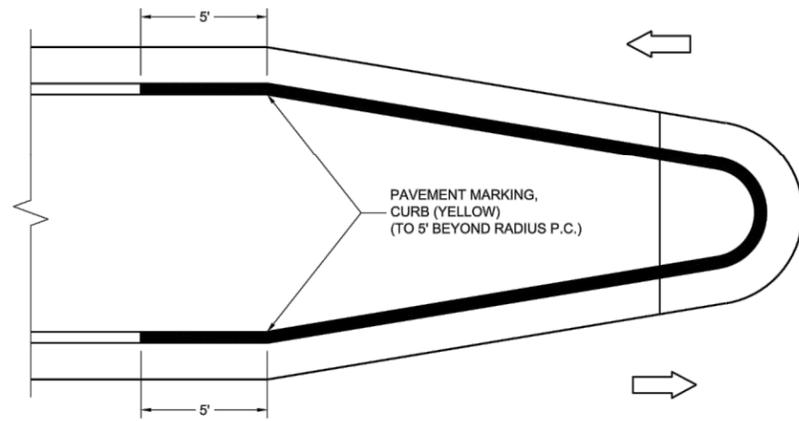
**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>43</b>	

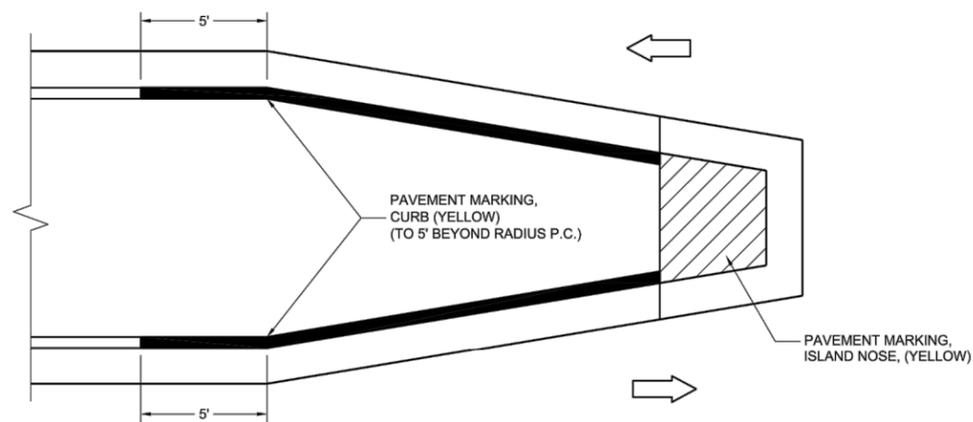
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**MEDIAN ISLAND WITH SQUARE BLUNT NOSE**



**MEDIAN ISLAND WITH ROUND BLUNT NOSE**



**MEDIAN ISLAND WITH SLOPED NOSE**

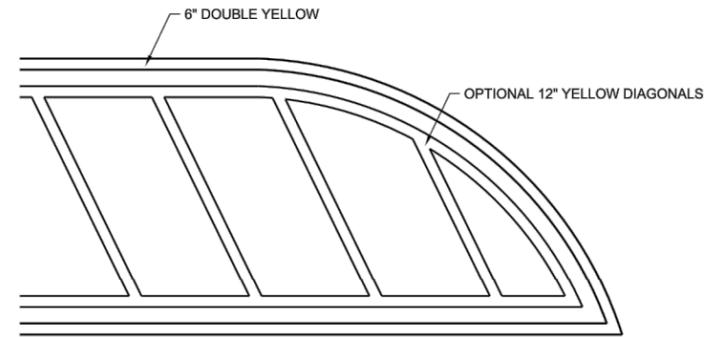
**TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS**

**GENERAL NOTES**

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

- ① APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL



**FLUSH MEDIAN ISLAND NOSE**

<b>PAVEMENT MARKINGS, MEDIAN ISLAND NOSE</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED August 2024 DATE	/s/ Jeannie Silver Statewide Pavement Marking Engineer
FHWA	

**SDD 15C18-09b**

**McMAHON**  
McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE WEEHAW, WI 54986  
Mailing: P.O. BOX 1025 WEEHAW, WI 54957-1025  
PH 920.751.4200 FX 920.751.4284 MCINGRP.COM

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NO.	DATE

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

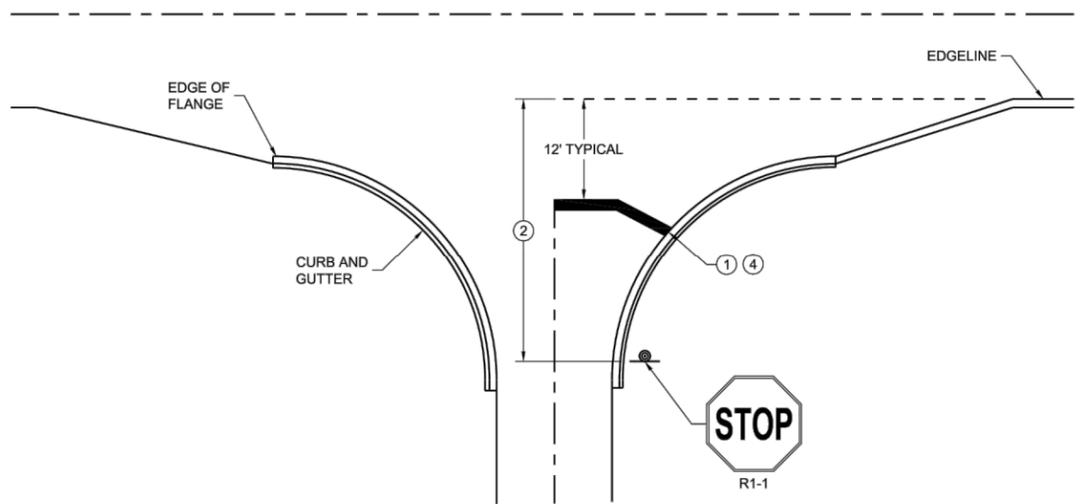
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PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO.	

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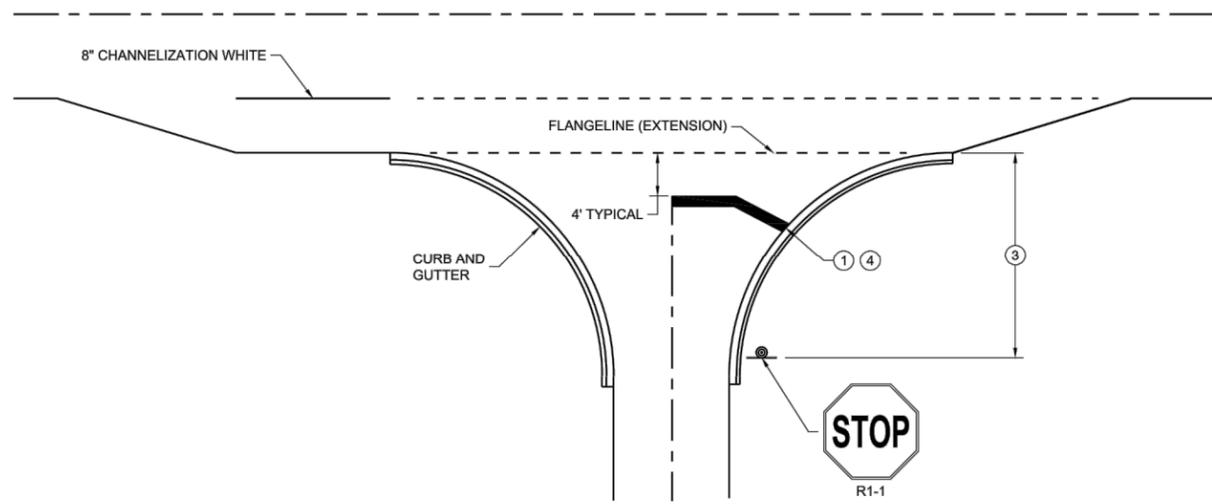
**GENERAL NOTES**

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

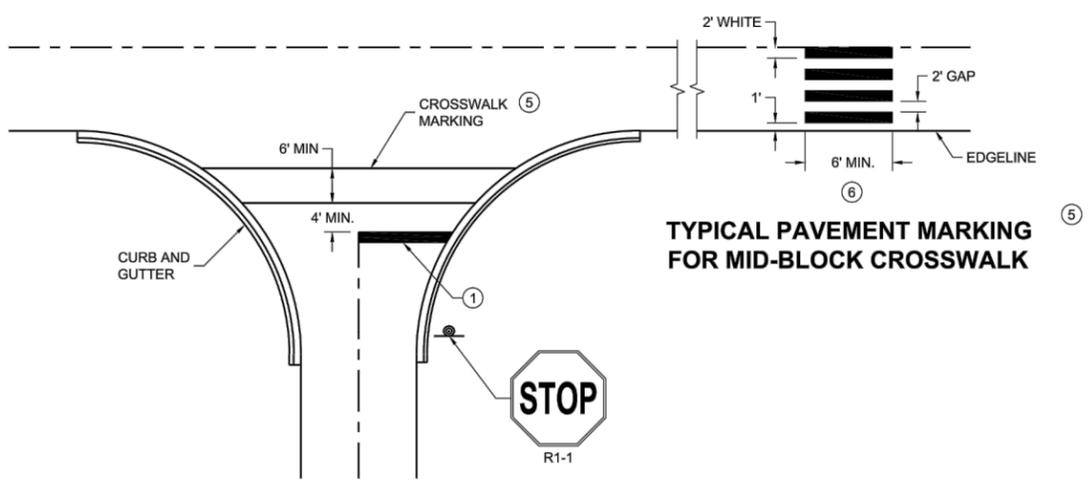
- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- ③ NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
- ④ MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
- ⑤ LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
- ⑥ POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



**TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER**

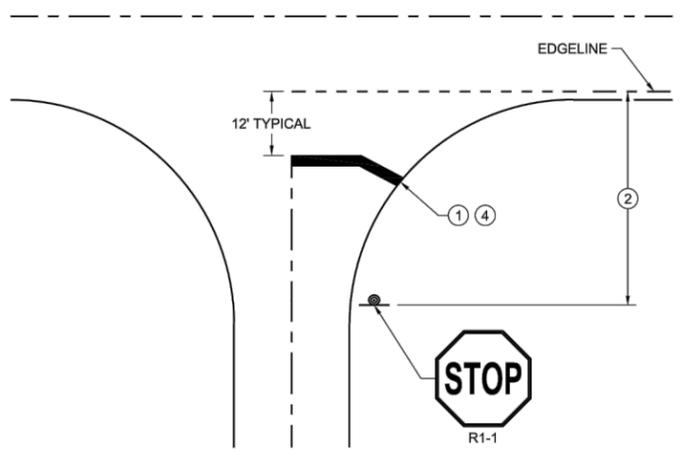


**TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE**



**TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING**

**TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK**



**TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER**

STOP LINE AND CROSSWALK PAVEMENT MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2024 DATE	/S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER
FHWA	

**SDD 15C33-05**



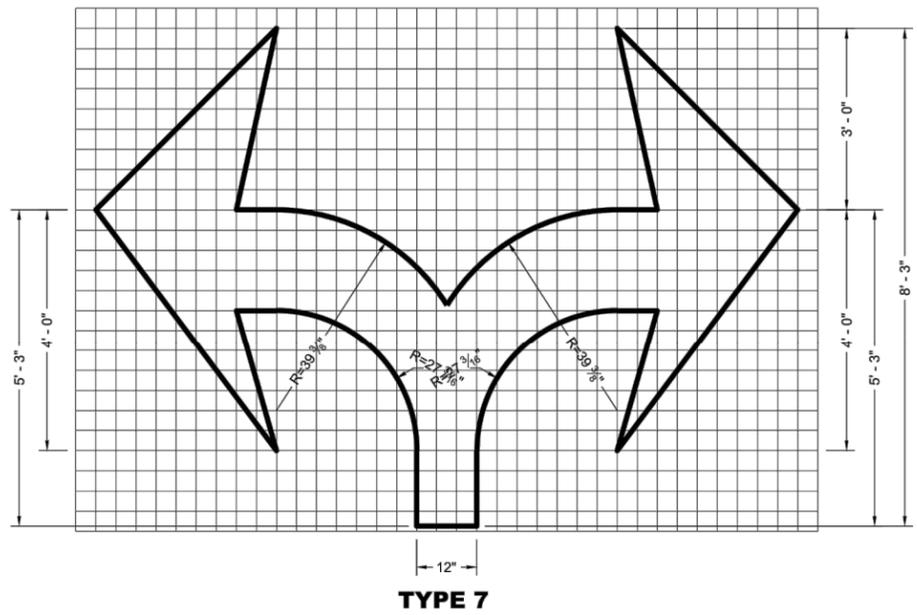
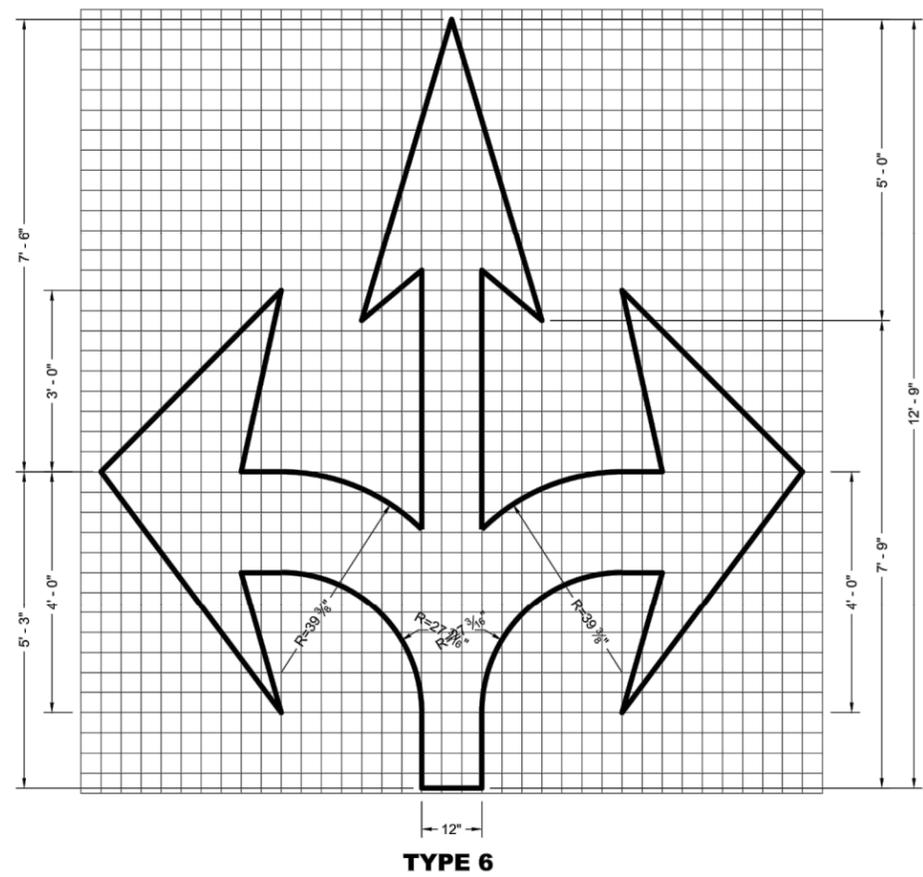
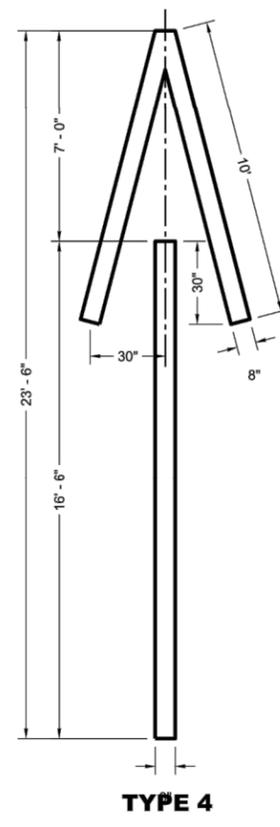
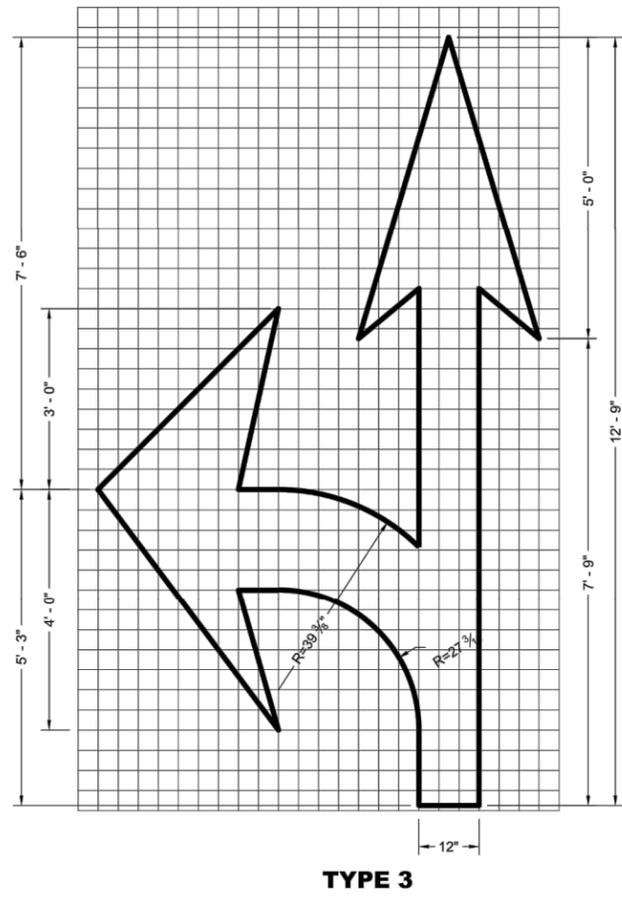
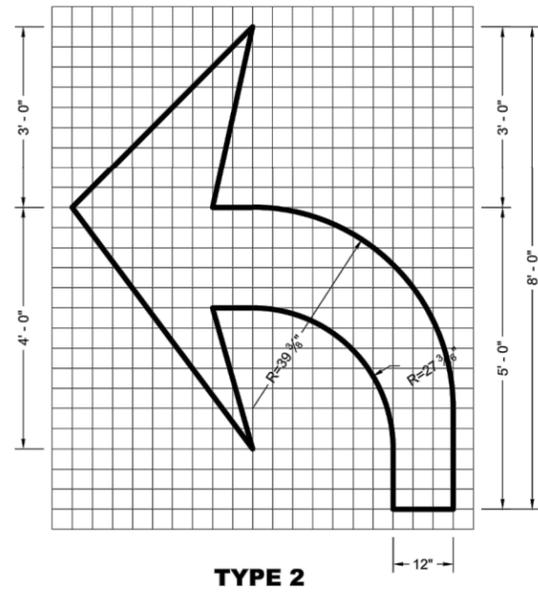
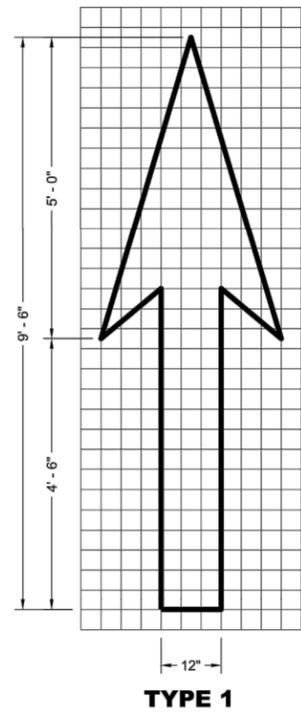
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

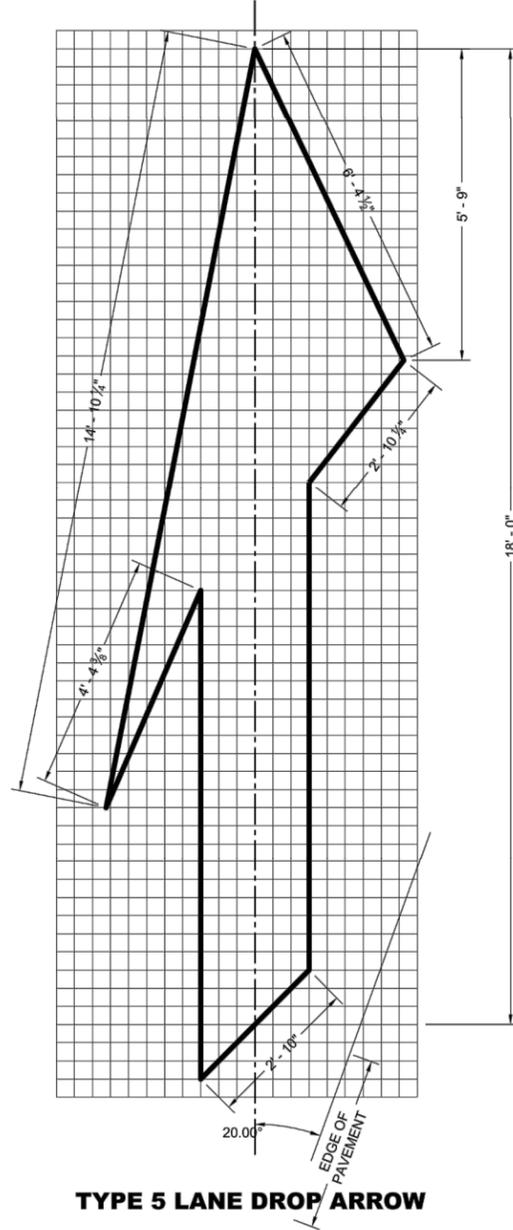
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PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>45</b>	

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**GENERAL NOTES**

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



PAVEMENT MARKING ARROWS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2024 DATE	/s/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER
FHWA	

**SDD 15C07-16c**



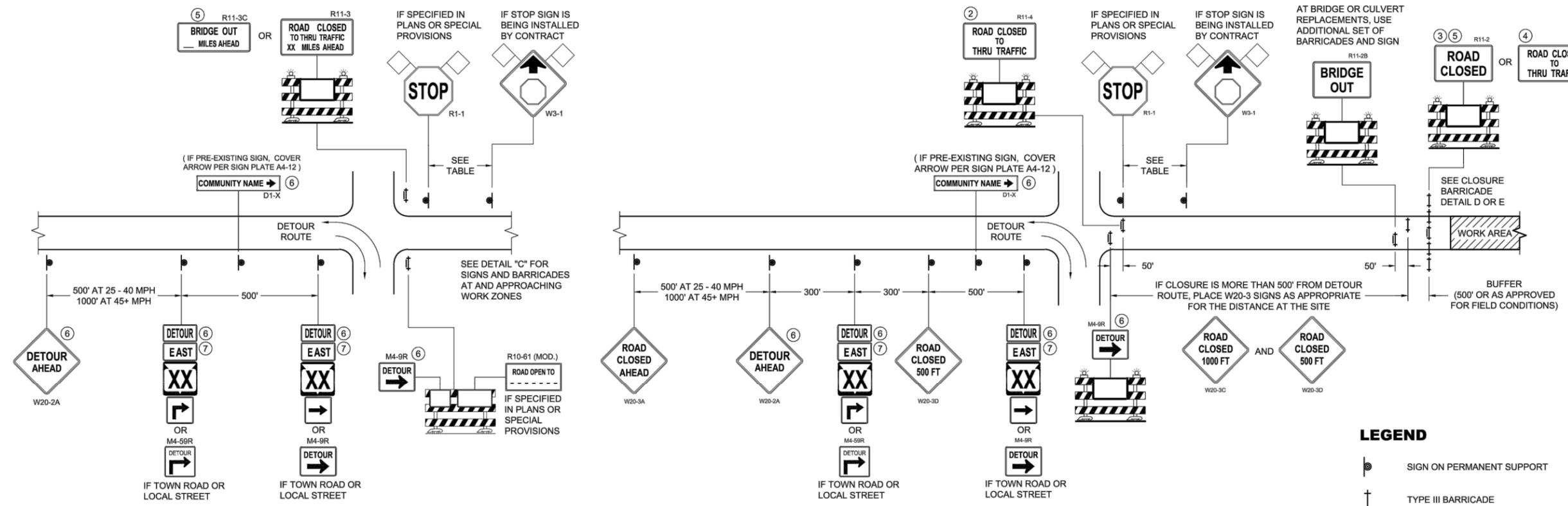
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NO.	DATE	REVISION

CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

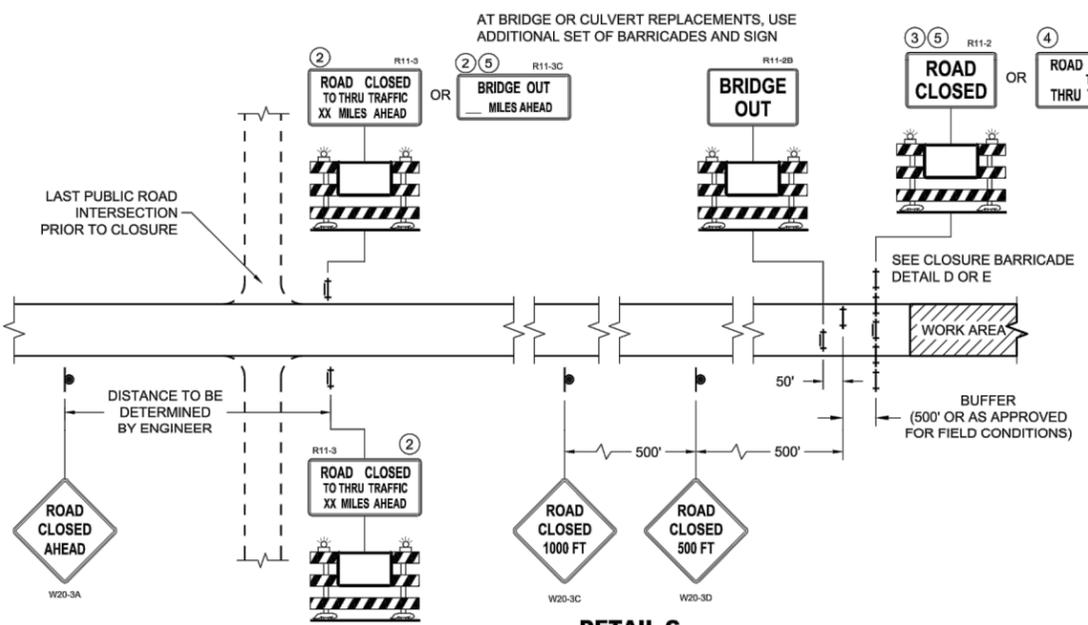
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**DETAIL A**  
**MAINLINE CLOSURE WITH POSTED DETOUR**  
 WORK ZONE GREATER THAN OR EQUAL TO 1/2 MILE FROM  
 DETOUR ROUTE ( 1000 FEET IF URBAN )

**DETAIL B**  
**MAINLINE CLOSURE WITH POSTED DETOUR**  
 WORK ZONE LESS THAN 1/2 MILE FROM  
 DETOUR ROUTE ( 1000 FEET IF URBAN )



**DETAIL C**  
**MAINLINE CLOSURE, NO POSTED DETOUR**

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"  
 FOR GENERAL NOTES  
 AND FOOTNOTES ① THROUGH ⑦

**LEGEND**

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- M4 - 8
- M3 - X
- M1 - 4 OR M1 - 6 OR M1 - 5A
- M05 - 1
- M06 - 1

**BARRICADES AND SIGNS  
FOR MAINLINE CLOSURES**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
 November 2025 /S/ Andrew Heidtke  
 DATE WORK ZONE ENGINEER

FHWA

**SDD 15C02-10a**

**McMAHON**  
 ENGINEERS & ARCHITECTS  
 1445 McMAHON DRIVE WEEHAW, WI 54986  
 Mailing: P.O. BOX 1025 WEEHAW, WI 54987-1025  
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DESIGNED \_\_\_\_\_ DRAWN \_\_\_\_\_

PROJECT NO.  
00006 08-23-00501

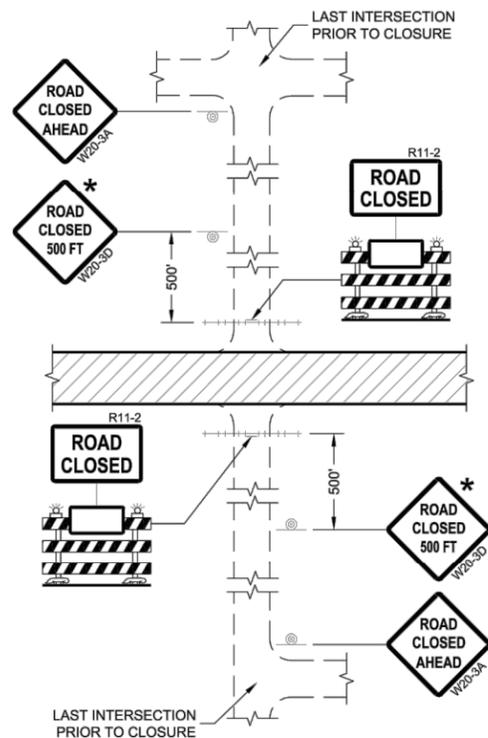
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2026

SHEET NO.  
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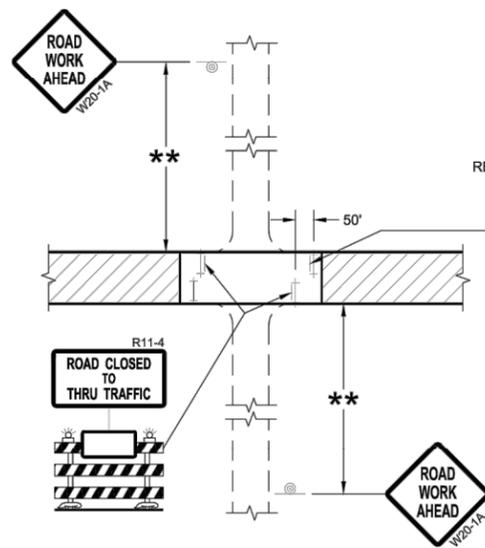
CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 CONSTRUCTION DETAILS



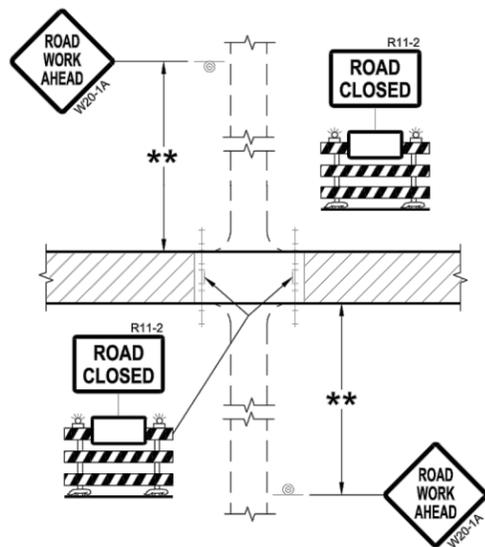
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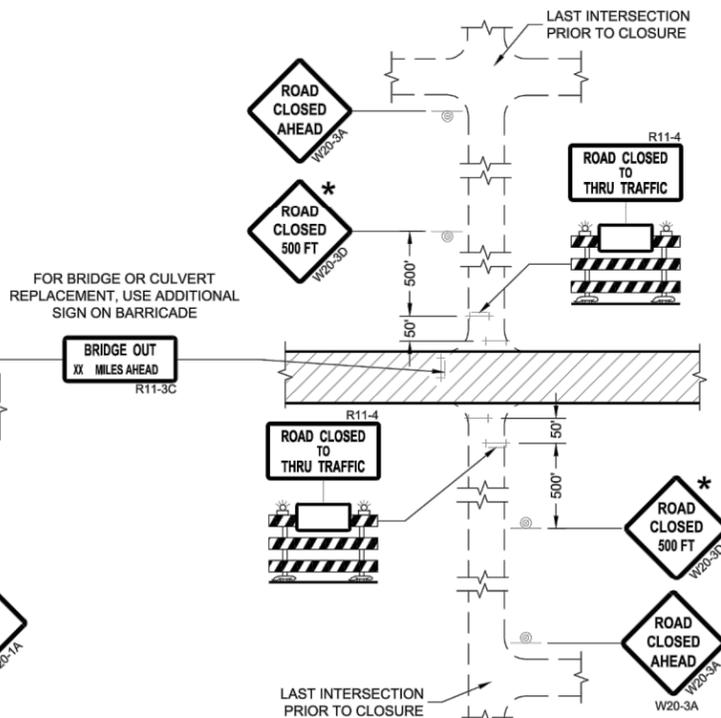
**DETAIL 1**  
(NO ACCESS TO PROJECT)



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



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



**DETAIL 4**  
(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

**GENERAL NOTES**

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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 "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30".  
R11-4 AND R11-3 SHALL BE 60" X 30".

- \* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.
- \*\* 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

**LEGEND**

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

<b>BARRICADES AND SIGNS FOR SIDEROAD CLOSURES</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED July 2018 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

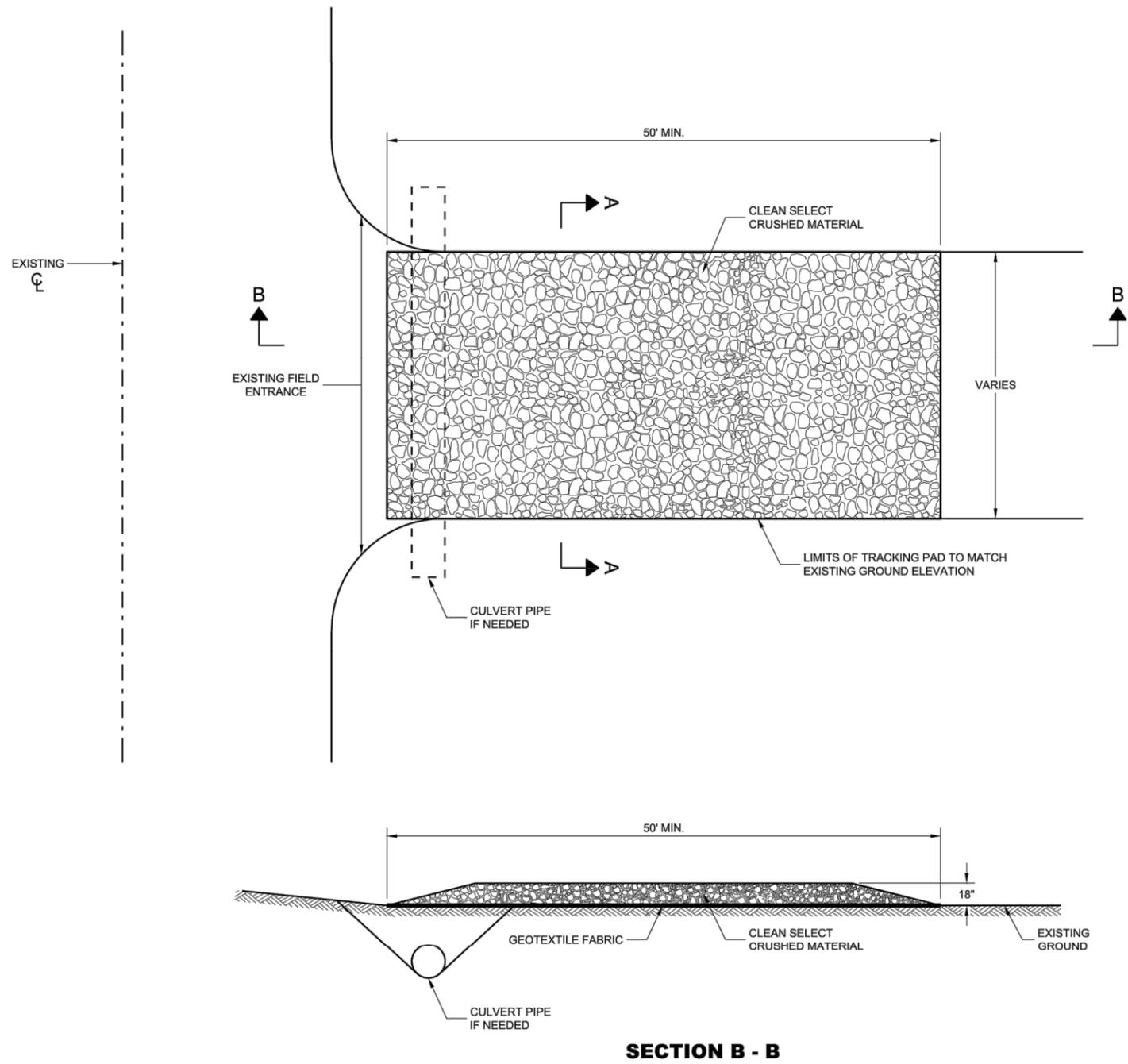
**SDD 15C03 - 05**

CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>49</b>	

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**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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

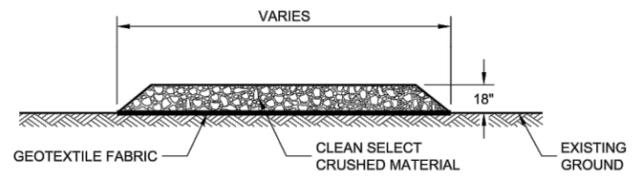
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



**SECTION A - A**

TRACKING PAD	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 3/24/2011 DATE	/s/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	

**SDD 08E14 - 01**



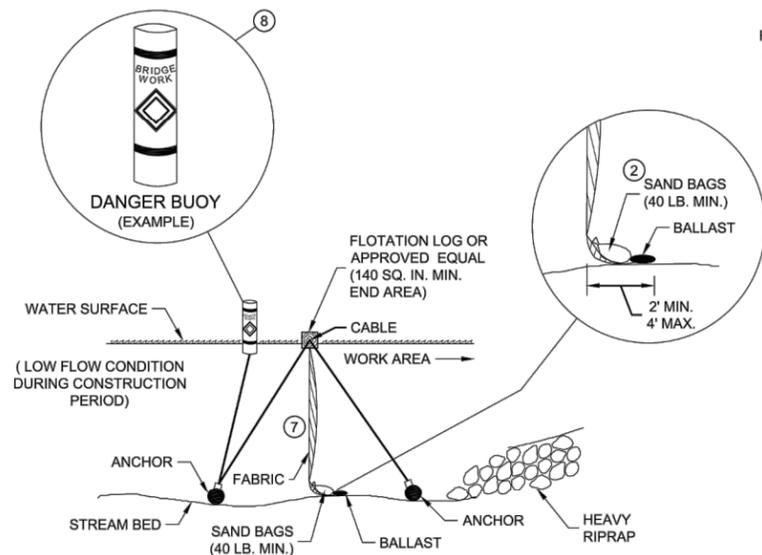
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NO.	DATE	REVISION

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VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS

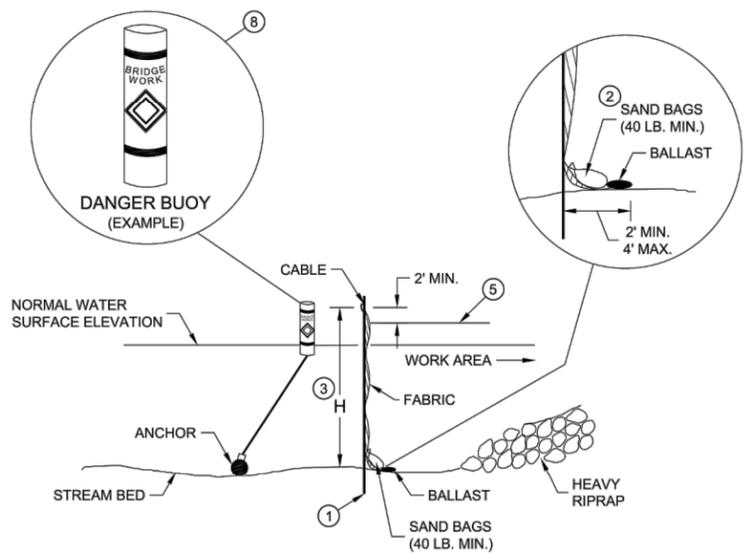
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PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>49A</b>	

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**SECTION B - B**

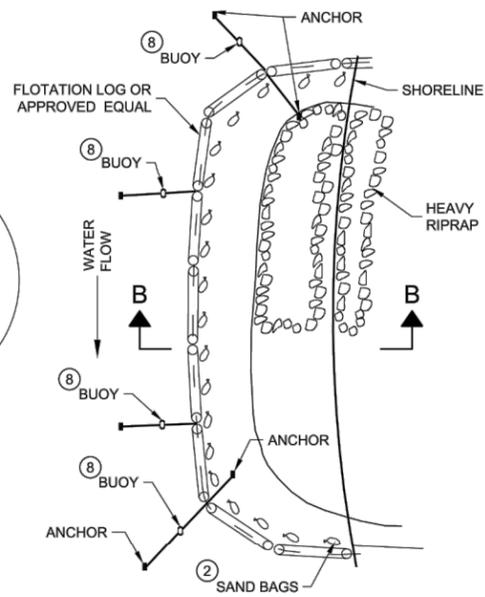
**TURBIDITY BARRIER - FLOAT ALTERNATIVE  
CAUTION - SEE NOTE 6**



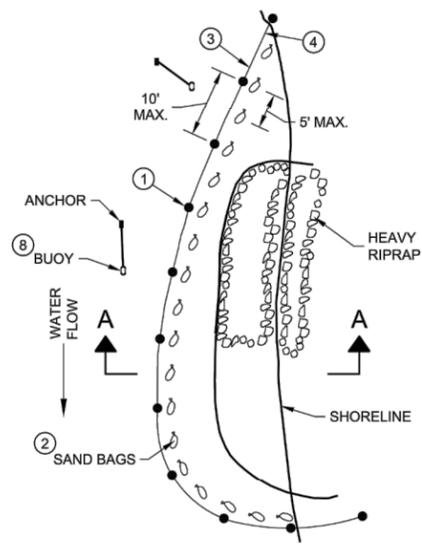
**SECTION A - A**

**TURBIDITY BARRIER - STANDARD POST INSTALLATION**

**TURBIDITY BARRIER PLACEMENT DETAILS**



**PLAN VIEW**



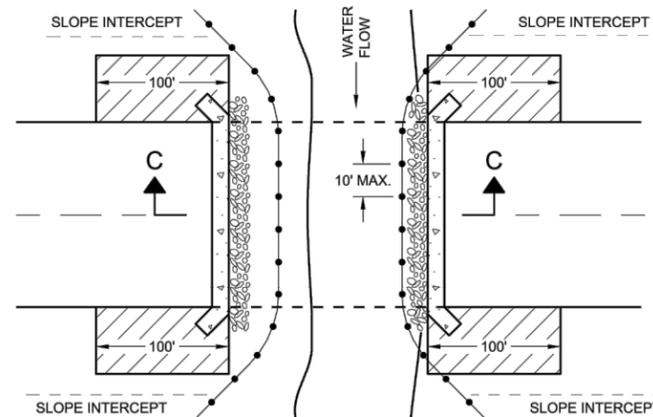
**PLAN VIEW**

**GENERAL NOTES**

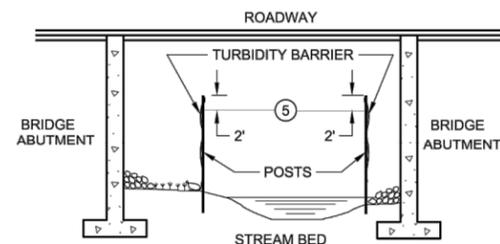
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.
- ② SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
- ③ WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.
- ④ IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.
- ⑤ ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.
- ⑥ FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.
- ⑦ ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.
- ⑧ USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



**PLAN VIEW**



**SECTION C - C**

**TURBIDITY BARRIER DETAIL SHOWING  
TYPICAL PLACEMENT AT STRUCTURES**

<b>TURBIDITY BARRIER</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/4/02 DATE	/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

**SDD 08E11 - 02**

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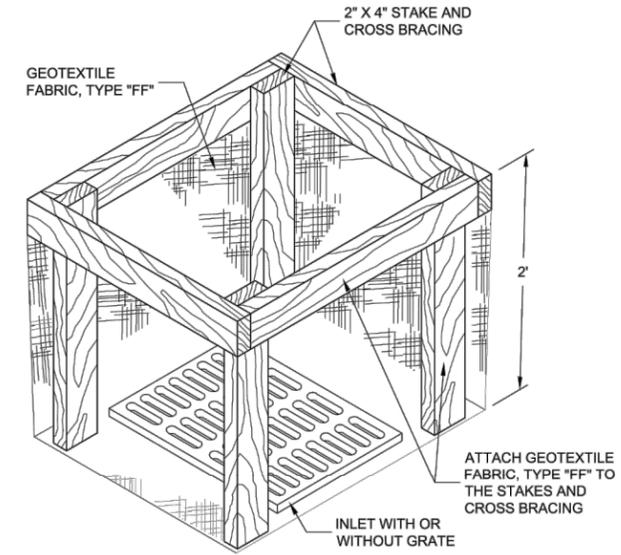
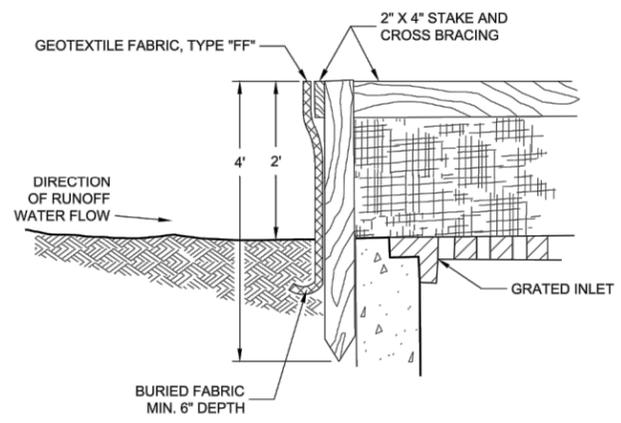
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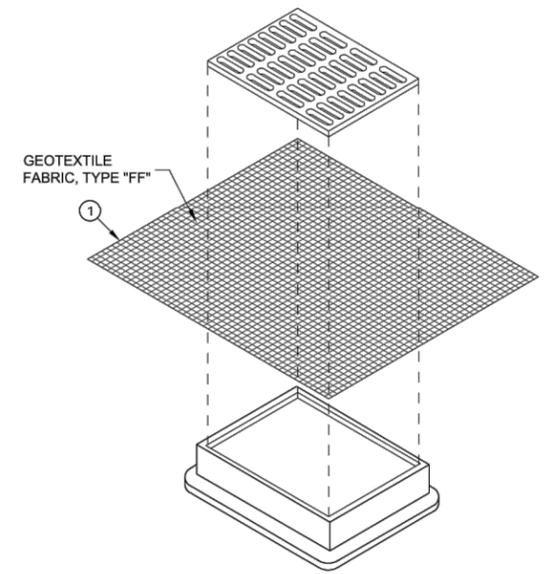
**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>49B</b>	

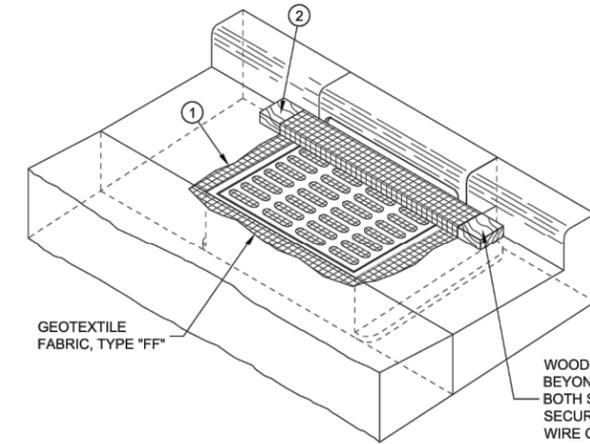
I:\projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH\_JJ\_DOWNTOWN\CTH\_JJ\_CD\_DT.dwg\_38\_Plot\_Date: 2/11/2026 9:48 AM\_xref:stone



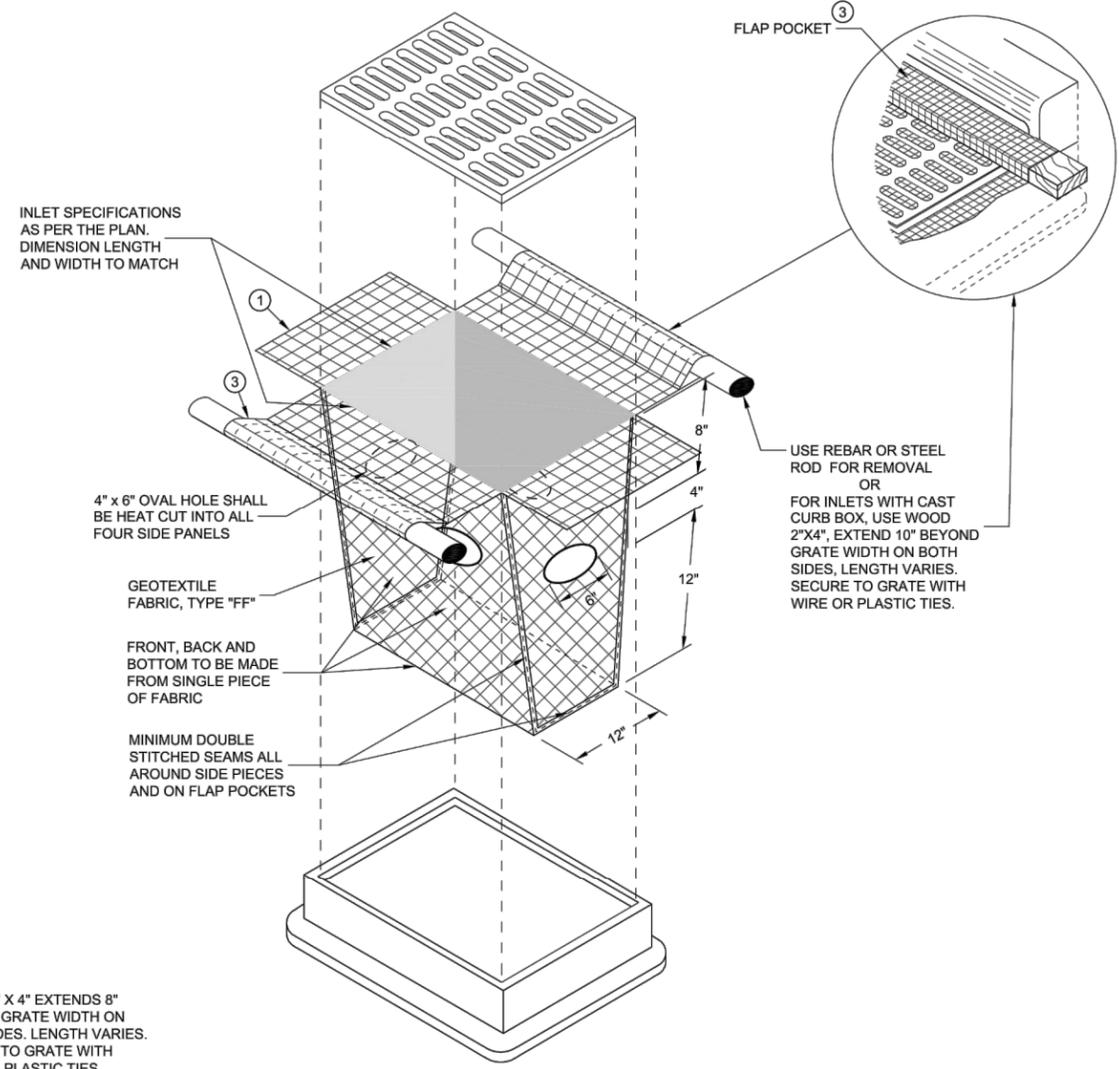
**INLET PROTECTION, TYPE "A"**



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



**INLET PROTECTION, TYPE "C"  
(WITH CURB BOX)**



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

**GENERAL NOTES**

- INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
- MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
- WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

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

**INSTALLATION NOTES**

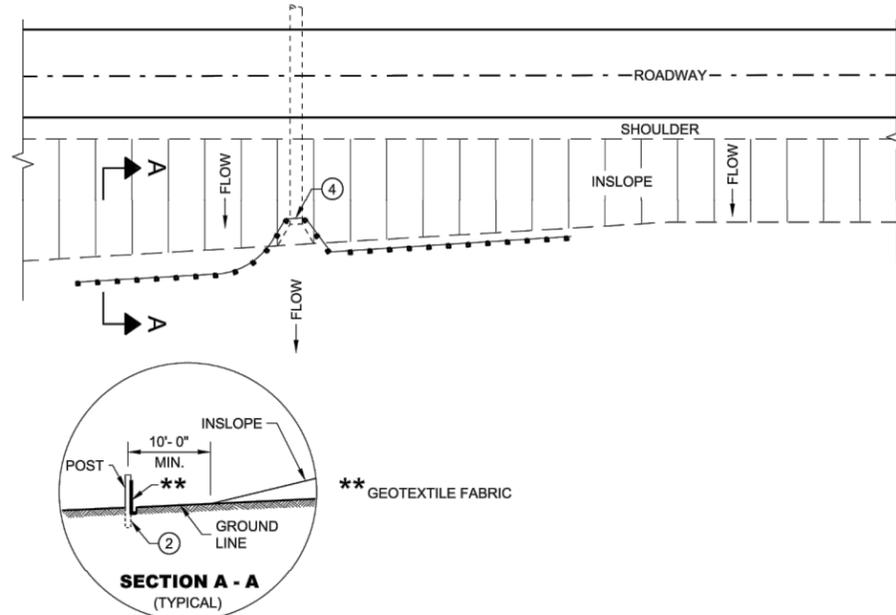
- TYPES B & C**  
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.  
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
- TYPE D**  
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.  
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.  
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

<b>INLET PROTECTION TYPES A, B, C AND D</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 10/16/02 DATE	/S/ Beth Cannestra ROADWAY STANDARDS DEVELOPMENT ENGINEER

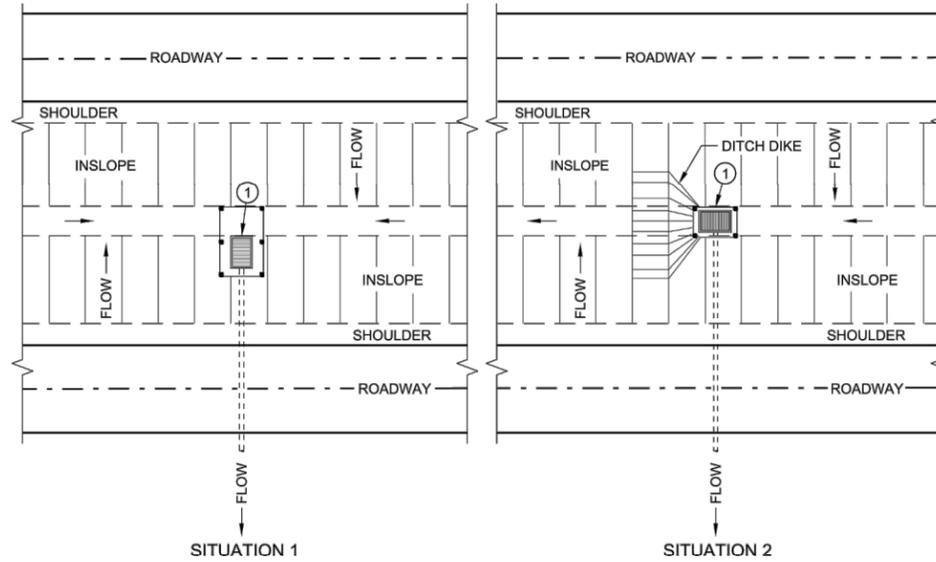
**SDD 08E10 - 02**

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CTH JJ (OLD STH 15) RECONSTRUCTION VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI	CONSTRUCTION DETAILS
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>49C</b>	

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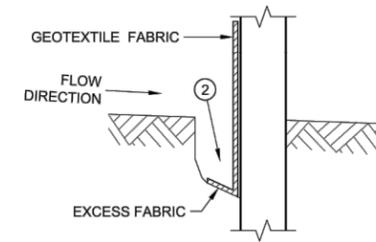
**PLAN VIEW  
TYPICAL APPLICATION OF SILT FENCE**



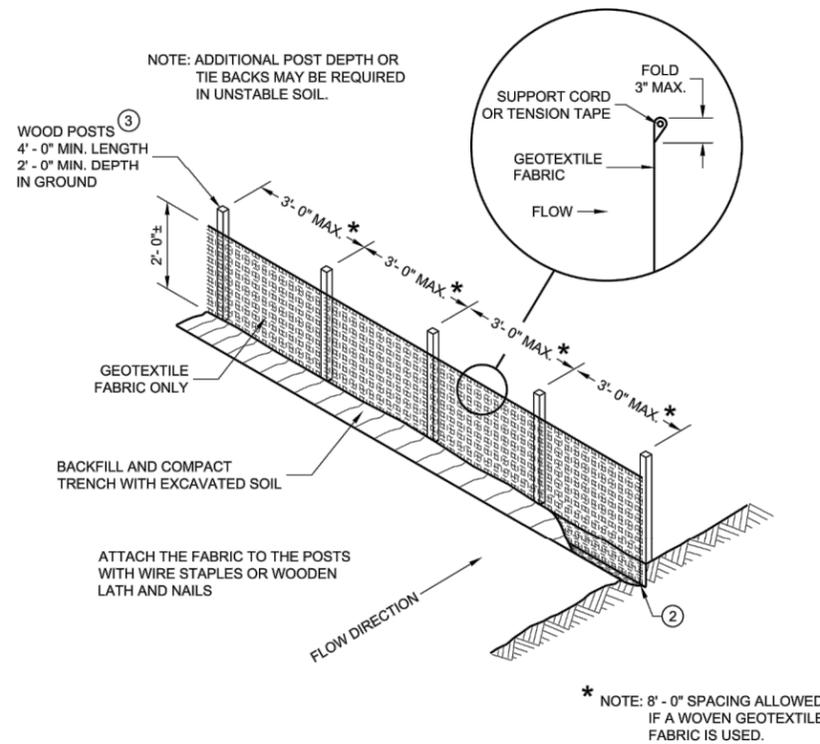
**PLAN VIEW  
SILT FENCE AT MEDIAN SURFACE DRAINS**

**GENERAL NOTES**

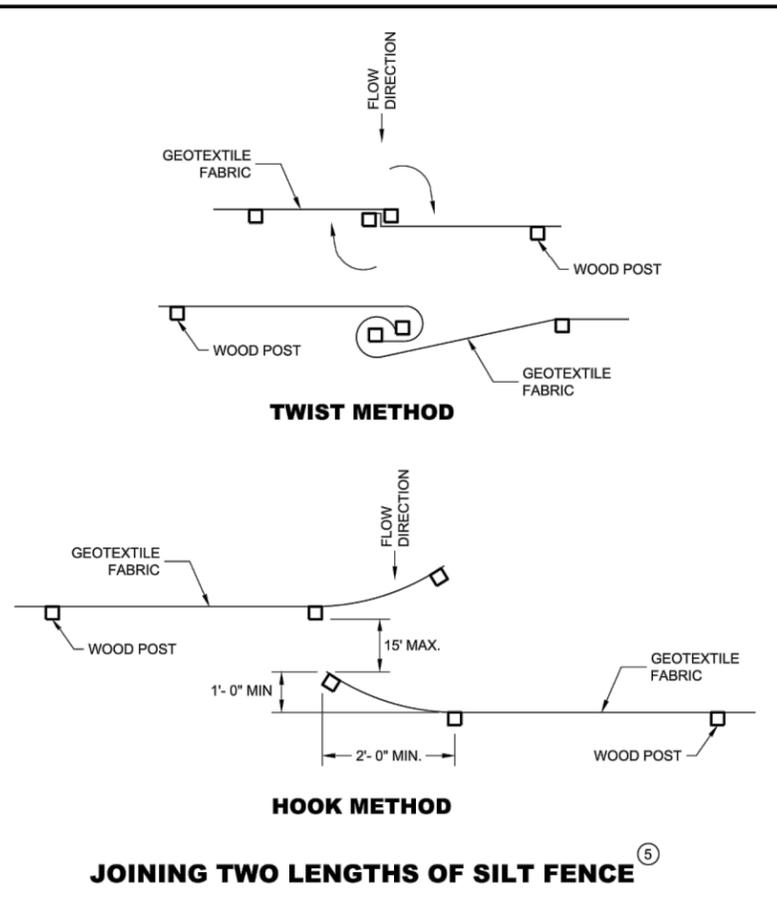
- DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.
- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
  - ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
  - ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/2" X 1 1/8" OF OAK OR HICKORY.
  - ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
  - ⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



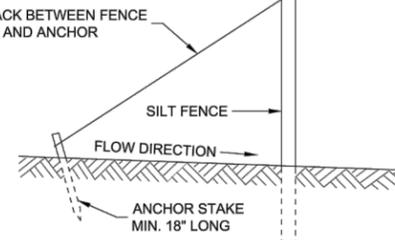
**TRENCH DETAIL**



**SILT FENCE**



**JOINING TWO LENGTHS OF SILT FENCE**



**SILT FENCE TIE BACK  
(WHEN REQUIRED BY THE ENGINEER)**

<b>SILT FENCE</b>	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 4/29/05 DATE	/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
PFWA	

**SDD 08E09 - 06**

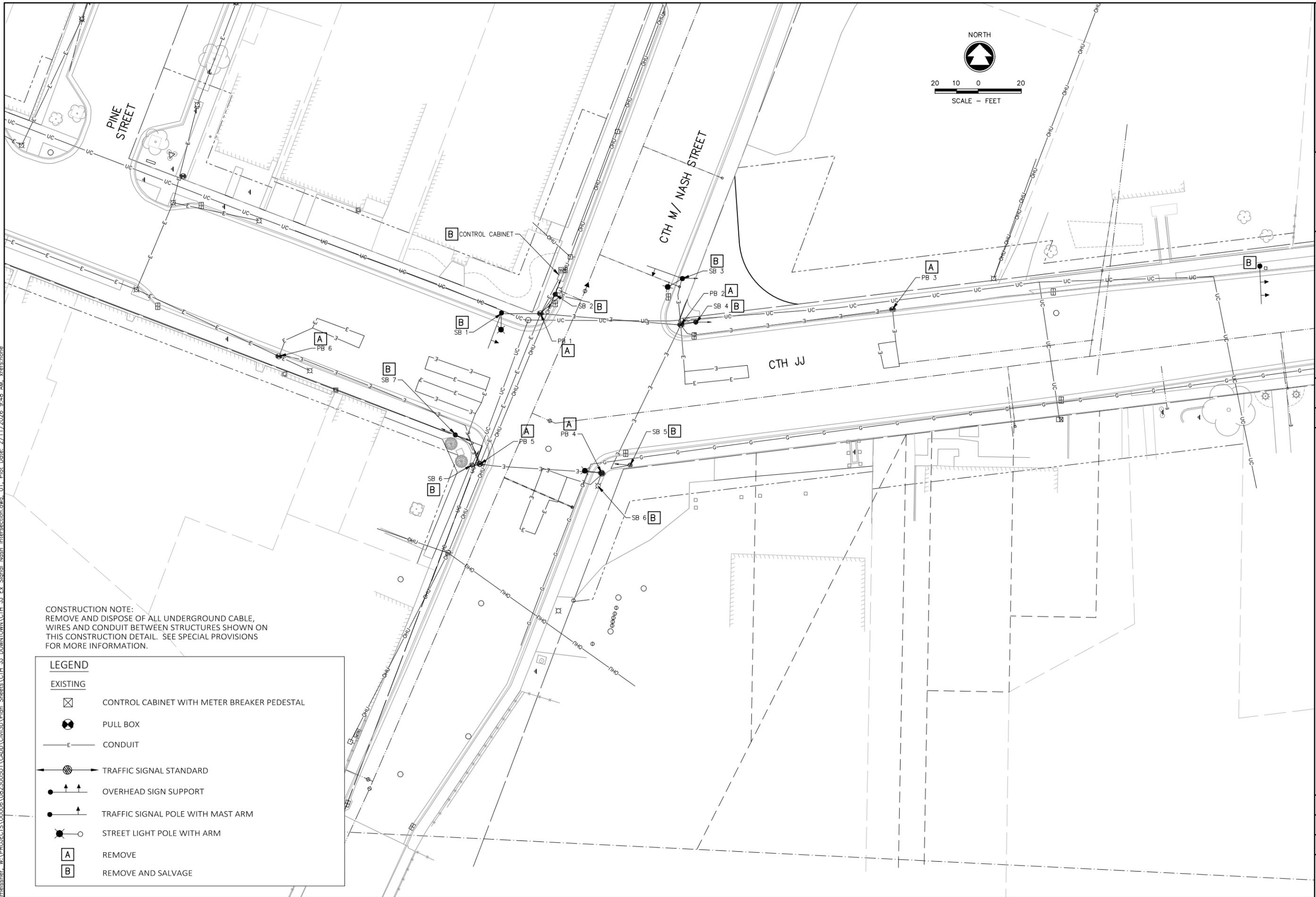
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**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CONSTRUCTION DETAILS**

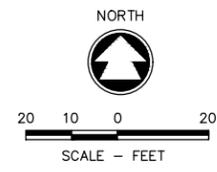
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PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>49D</b>	

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CONSTRUCTION NOTE:  
 REMOVE AND DISPOSE OF ALL UNDERGROUND CABLE,  
 WIRES AND CONDUIT BETWEEN STRUCTURES SHOWN ON  
 THIS CONSTRUCTION DETAIL. SEE SPECIAL PROVISIONS  
 FOR MORE INFORMATION.

LEGEND	
EXISTING	
	CONTROL CABINET WITH METER BREAKER PEDESTAL
	PULL BOX
	CONDUIT
	TRAFFIC SIGNAL STANDARD
	OVERHEAD SIGN SUPPORT
	TRAFFIC SIGNAL POLE WITH MAST ARM
	STREET LIGHT POLE WITH ARM
<b>A</b>	REMOVE
<b>B</b>	REMOVE AND SALVAGE



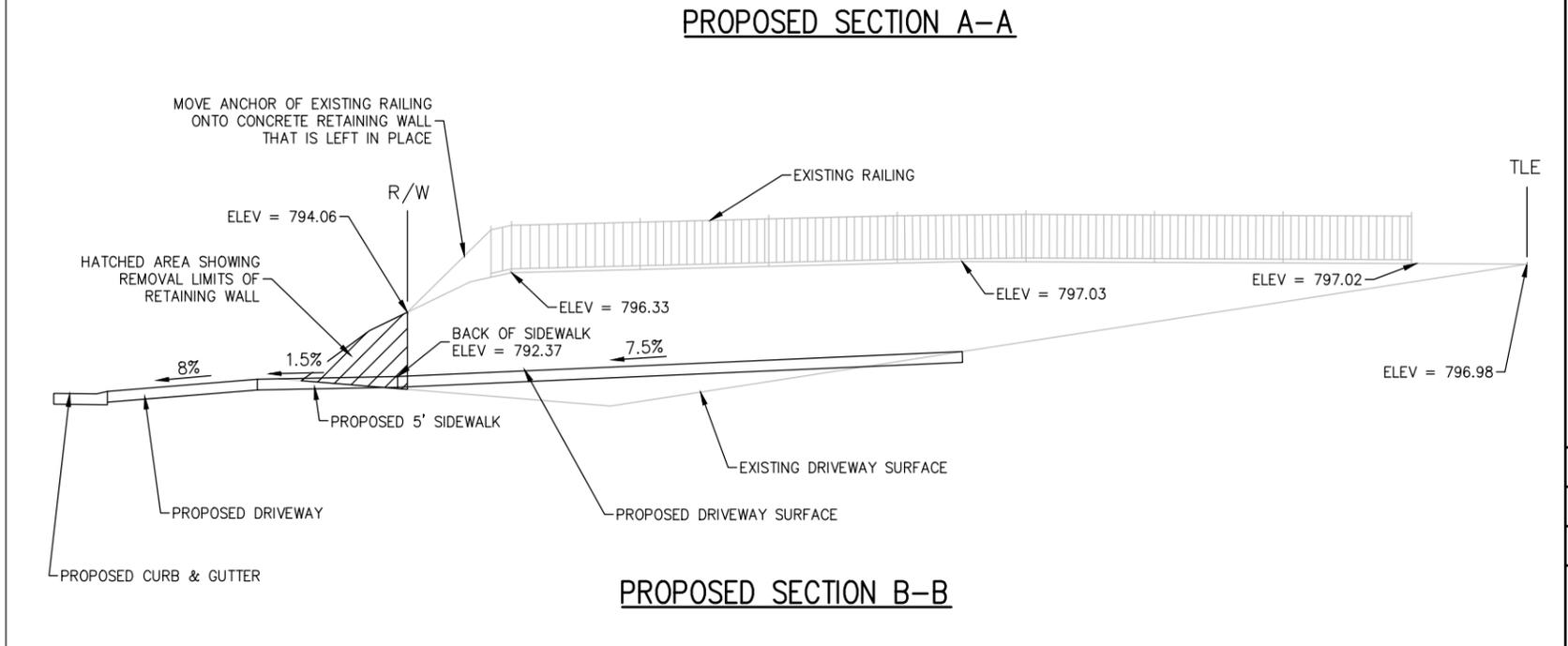
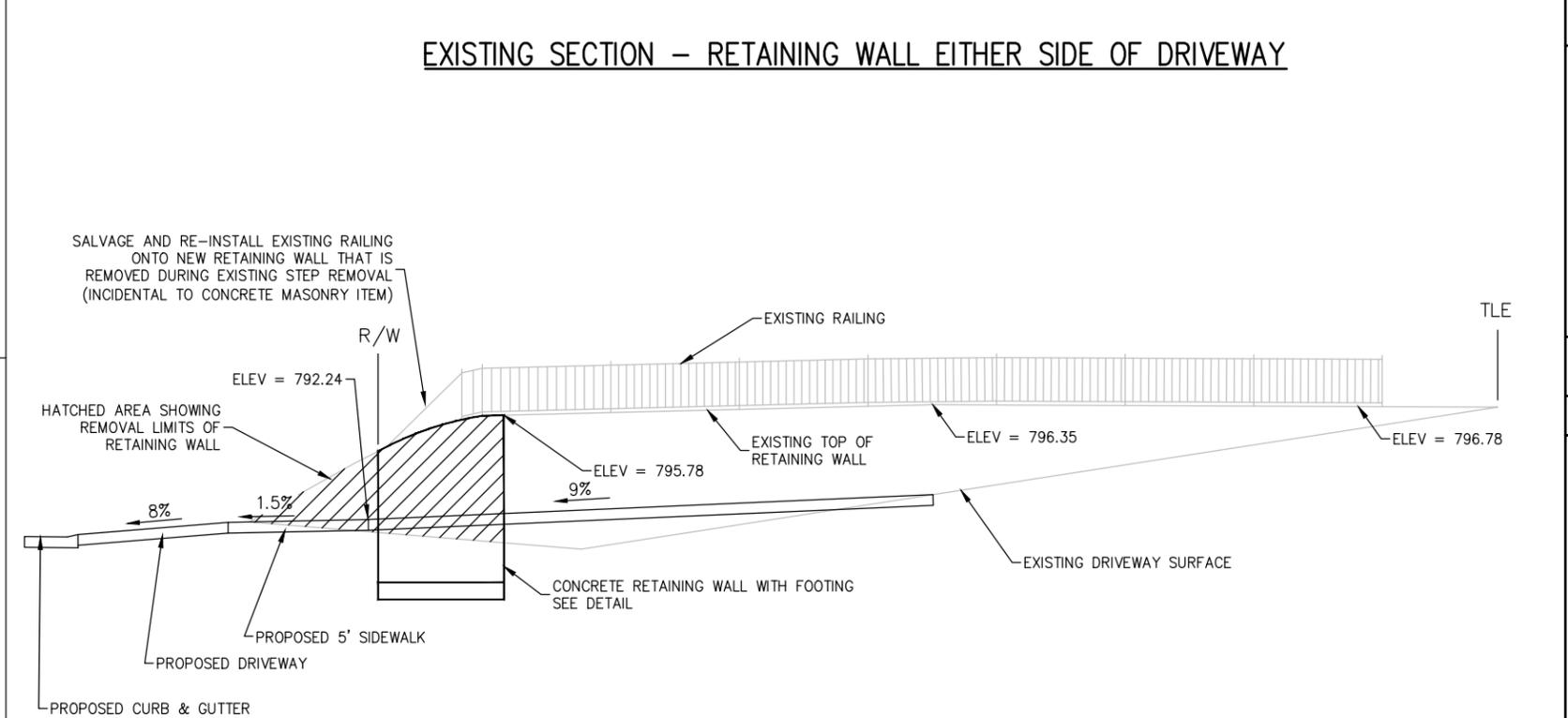
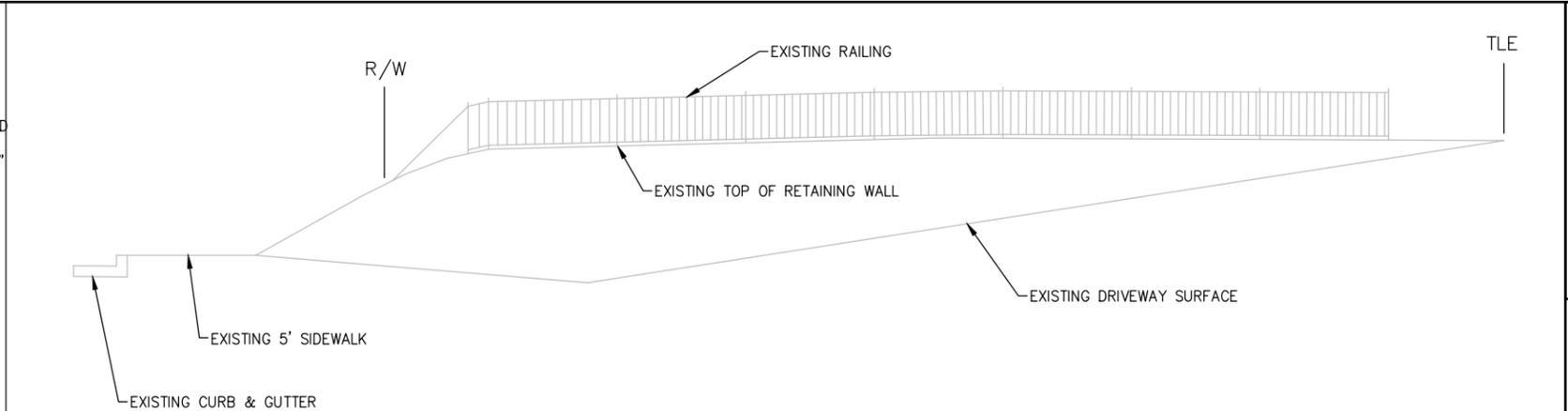
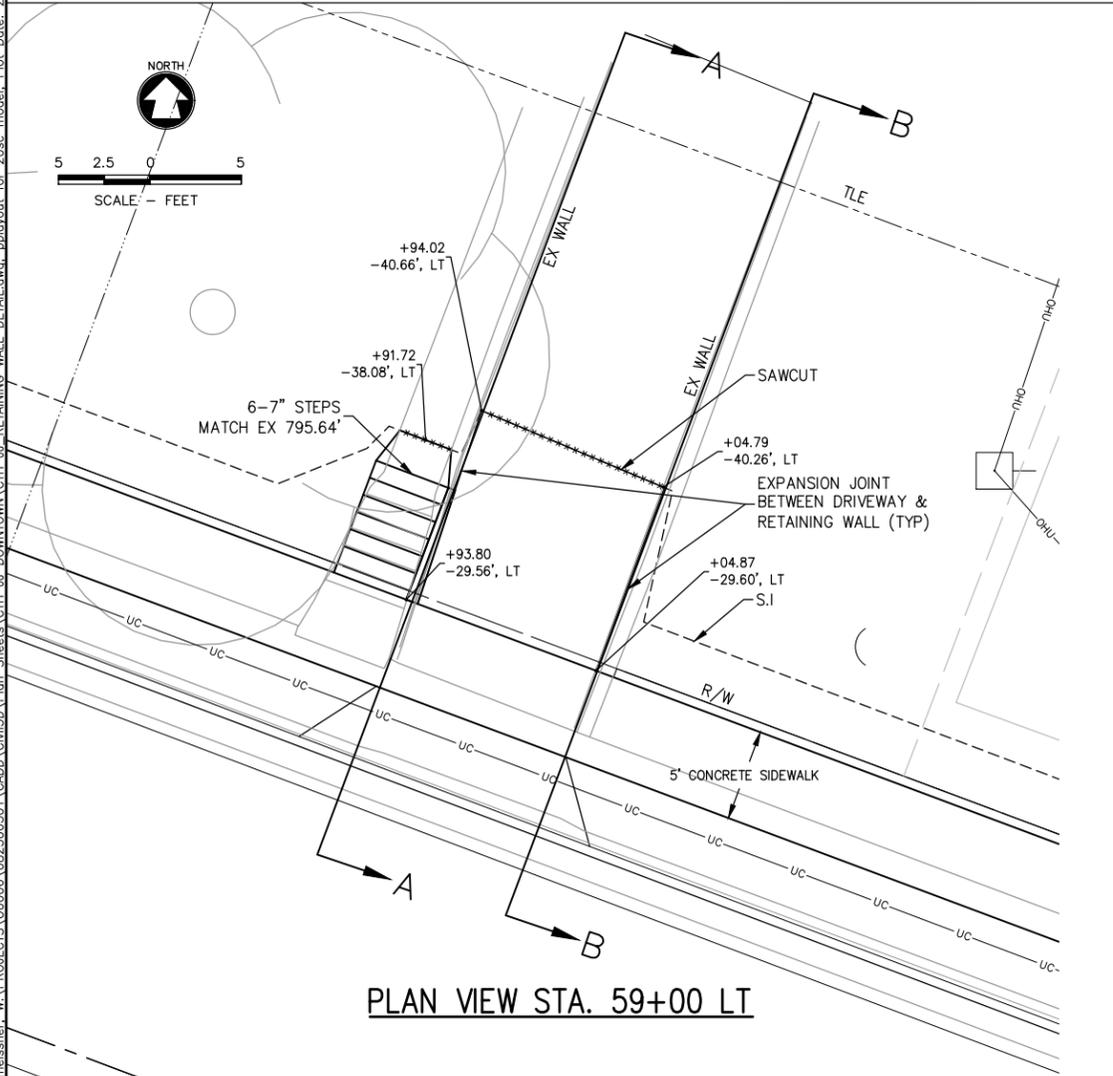
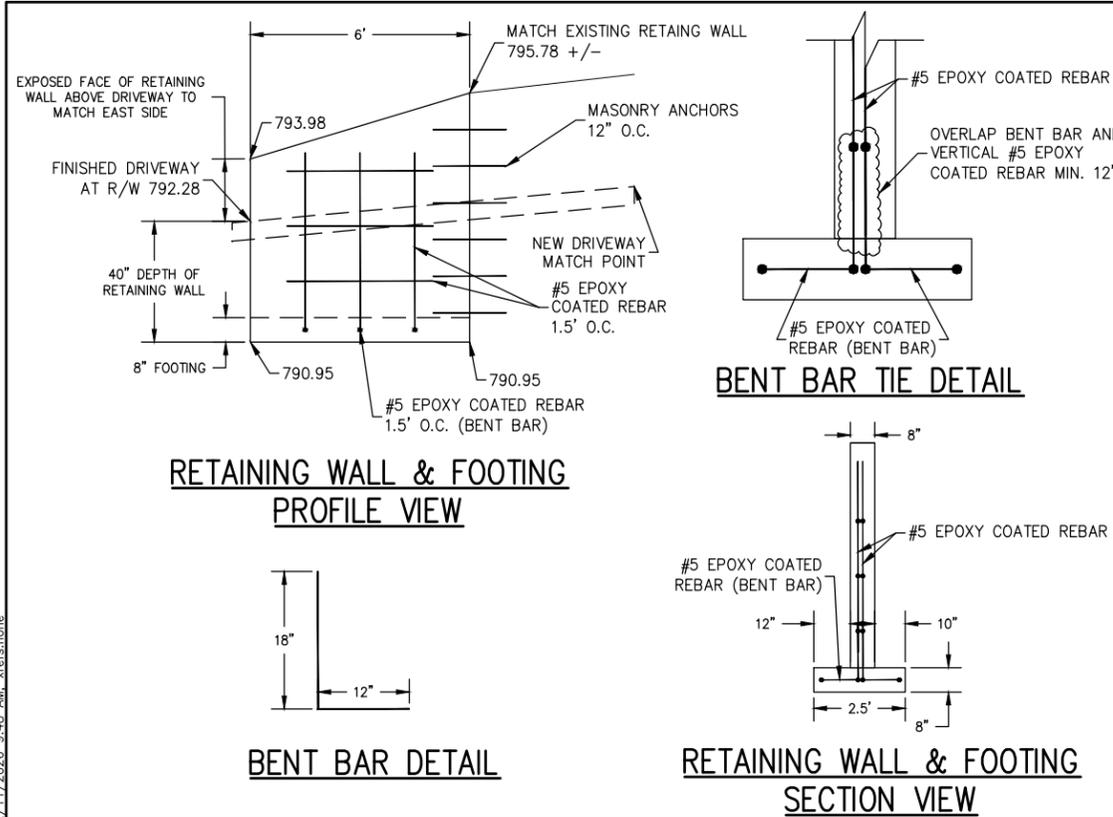
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**CTH JJ (OLD 5TH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH M- NASH STREET & CTH JJ REMOVAL OF EXISTING SIGNALS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>50</b>	



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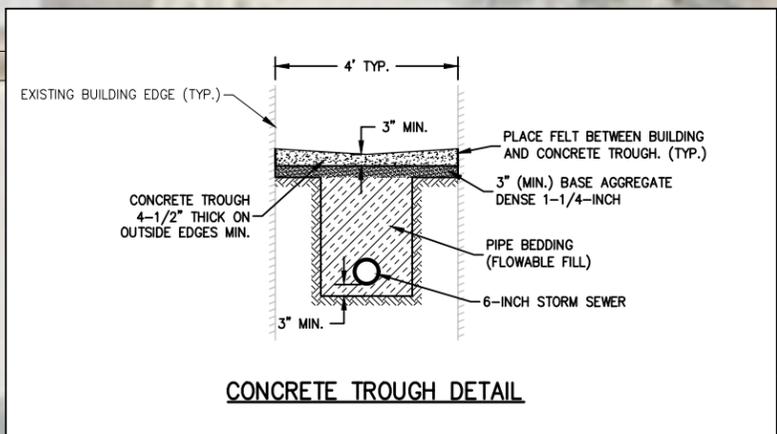
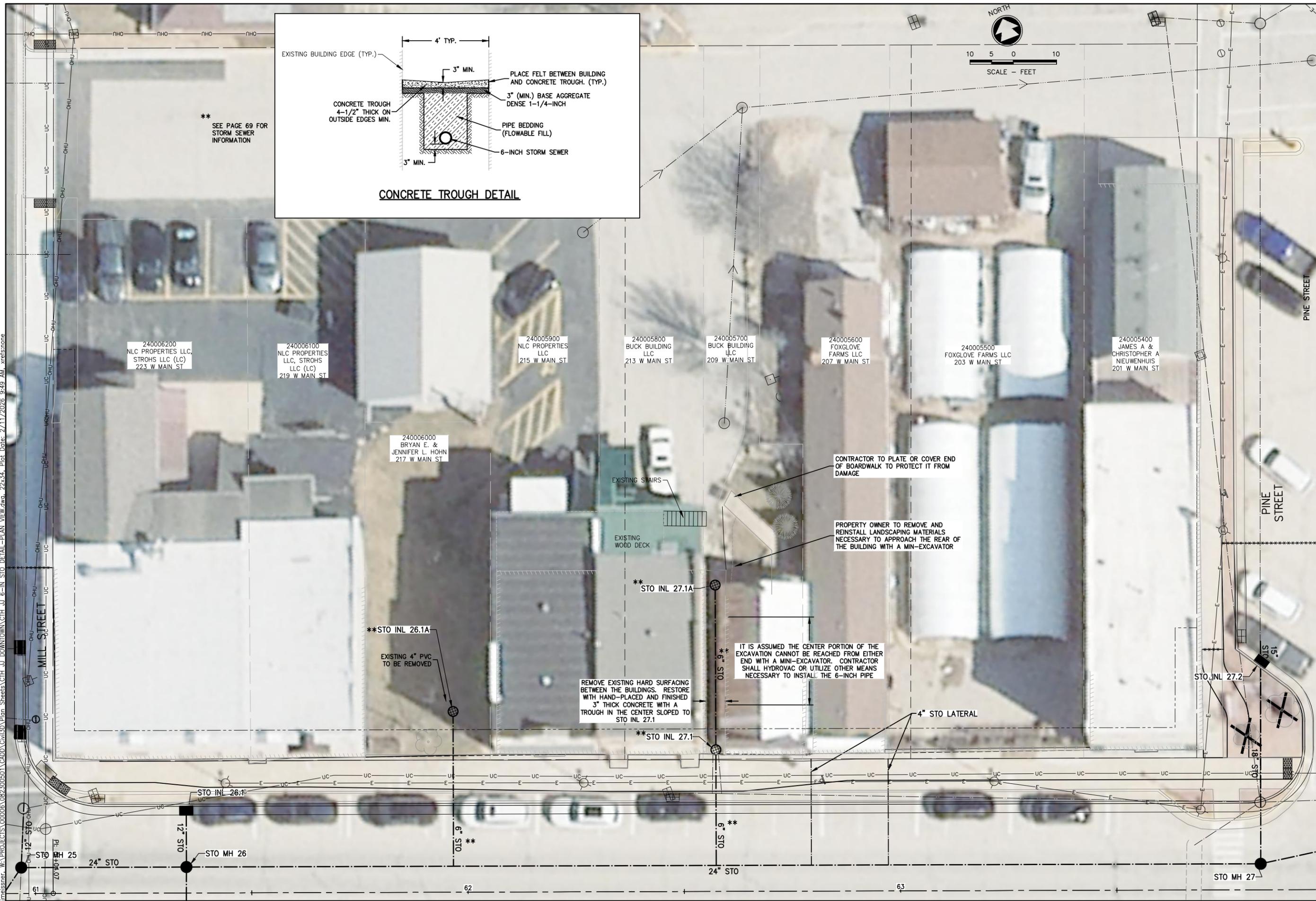
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

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PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	51

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\*\* SEE PAGE 69 FOR STORM SEWER INFORMATION

240006200  
NLC PROPERTIES LLC,  
STROHS LLC (LC)  
223 W MAIN ST

240006100  
NLC PROPERTIES  
LLC, STROHS  
LLC (LC)  
219 W MAIN ST

240006000  
BRYAN E. &  
JENNIFER L. HOHN  
217 W MAIN ST

240005900  
NLC PROPERTIES  
LLC  
215 W MAIN ST

240005800  
BUCK BUILDING  
LLC  
213 W MAIN ST

240005700  
BUCK BUILDING  
LLC  
209 W MAIN ST

240005600  
FOXGLOVE  
FARMS LLC  
207 W MAIN ST

240005500  
FOXGLOVE FARMS LLC  
203 W MAIN ST

240005400  
JAMES A &  
CHRISTOPHER A  
NIEUWENHUIS  
201 W MAIN ST

EXISTING STAIRS

EXISTING WOOD DECK

CONTRACTOR TO PLATE OR COVER END OF BOARDWALK TO PROTECT IT FROM DAMAGE

PROPERTY OWNER TO REMOVE AND REINSTALL LANDSCAPING MATERIALS NECESSARY TO APPROACH THE REAR OF THE BUILDING WITH A MINI-EXCAVATOR

REMOVE EXISTING HARD SURFACING BETWEEN THE BUILDINGS. RESTORE WITH HAND-PLACED AND FINISHED 3" THICK CONCRETE WITH A TROUGH IN THE CENTER SLOPED TO STO INL 27.1

IT IS ASSUMED THE CENTER PORTION OF THE EXCAVATION CANNOT BE REACHED FROM EITHER END WITH A MINI-EXCAVATOR. CONTRACTOR SHALL HYDROVAC OR UTILIZE OTHER MEANS NECESSARY TO INSTALL THE 6-INCH PIPE

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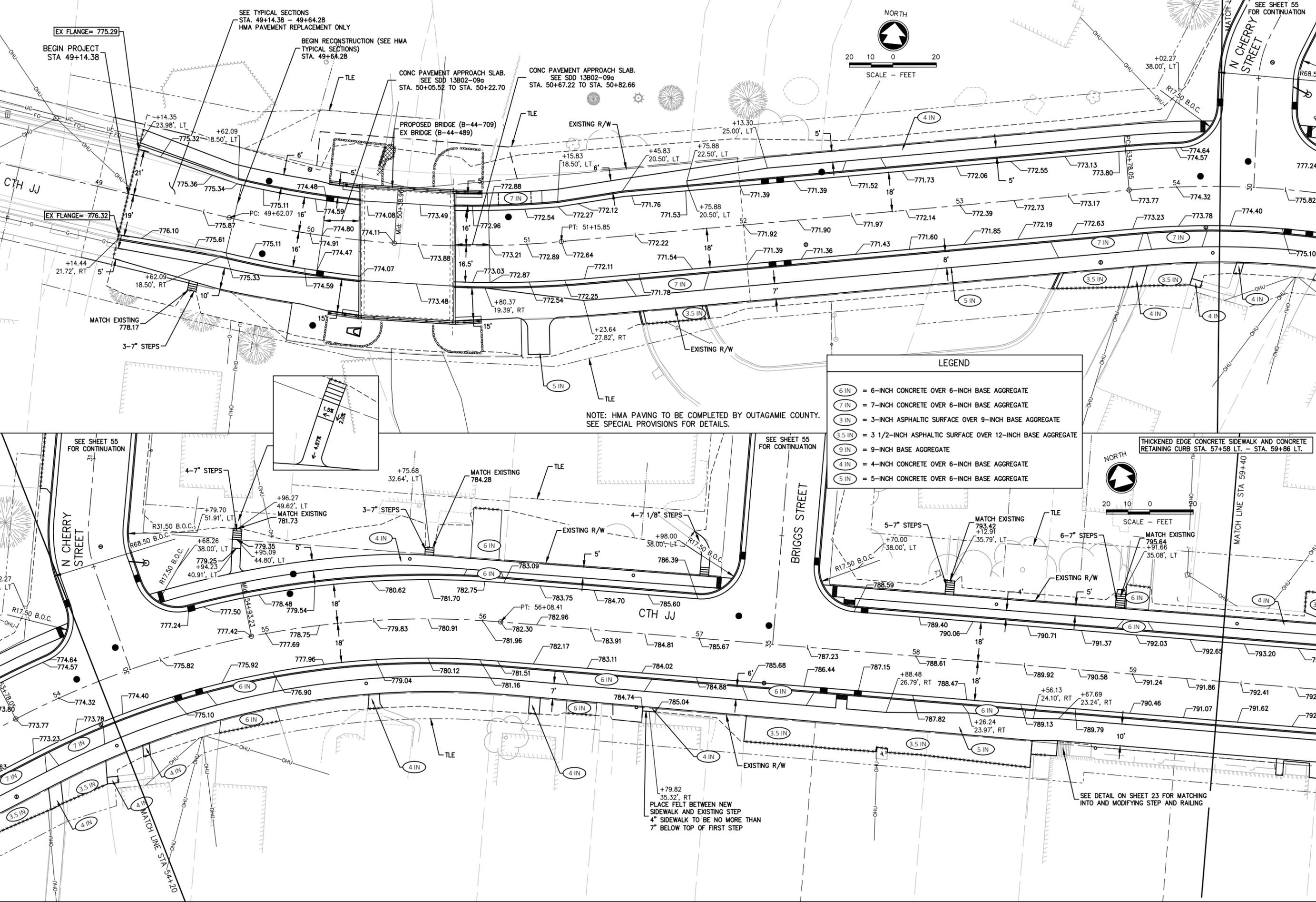
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CONSTRUCTION DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>52</b>	

W:\PROJECTS\00006\082300501\CADD\Civil3D\Plan Sheets\CTH JJ DOWNTOWN\CTH JJ PAVING DETAILS.DWG, 49+00.00-xx, Plot Date: 2/11/2026 9:49 AM, xrefs: (x-cth jj-existtopo, x-prop\_cth jj\_dt, x-proposed linework parking lot, b-44-0489\_plan, cth jj former sth  
 15 hortonville mk comp, x-cth jj-alternative)



**LEGEND**

- (6 IN) = 6-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- (7 IN) = 7-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- (3 IN) = 3-INCH ASPHALTIC SURFACE OVER 9-INCH BASE AGGREGATE
- (3.5 IN) = 3 1/2-INCH ASPHALTIC SURFACE OVER 12-INCH BASE AGGREGATE
- (9 IN) = 9-INCH BASE AGGREGATE
- (4 IN) = 4-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- (5 IN) = 5-INCH CONCRETE OVER 6-INCH BASE AGGREGATE

NOTE: HMA PAVING TO BE COMPLETED BY OUTAGAMIE COUNTY. SEE SPECIAL PROVISIONS FOR DETAILS.

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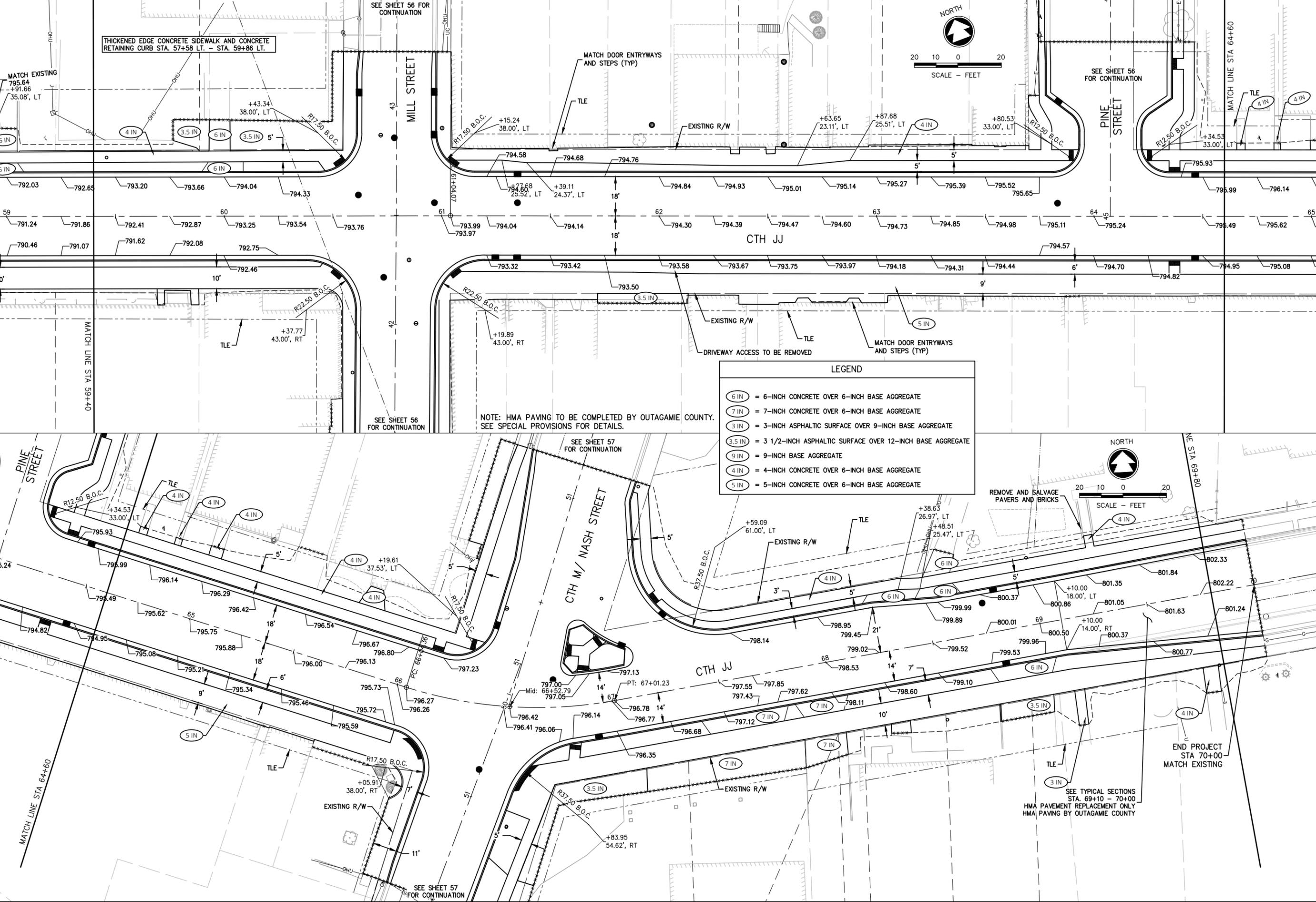
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION, OUTAGAMIE COUNTY, WI**  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI

**PAVING DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>53</b>	

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THICKENED EDGE CONCRETE SIDEWALK AND CONCRETE RETAINING CURB STA. 57+58 LT. - STA. 59+86 LT.

MATCH LINE STA 59+40

MATCH LINE STA 64+60

SEE SHEET 56 FOR CONTINUATION

SEE SHEET 56 FOR CONTINUATION

NOTE: HMA PAVING TO BE COMPLETED BY OUTAGAMIE COUNTY. SEE SPECIAL PROVISIONS FOR DETAILS.

SEE SHEET 57 FOR CONTINUATION

SEE SHEET 57 FOR CONTINUATION

**LEGEND**

- 6 IN = 6-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- 7 IN = 7-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- 3 IN = 3-INCH ASPHALTIC SURFACE OVER 9-INCH BASE AGGREGATE
- 3.5 IN = 3 1/2-INCH ASPHALTIC SURFACE OVER 12-INCH BASE AGGREGATE
- 9 IN = 9-INCH BASE AGGREGATE
- 4 IN = 4-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- 5 IN = 5-INCH CONCRETE OVER 6-INCH BASE AGGREGATE

SEE TYPICAL SECTIONS STA. 69+10 - 70+00 HMA PAVEMENT REPLACEMENT ONLY HMA PAVING BY OUTAGAMIE COUNTY

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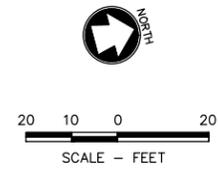
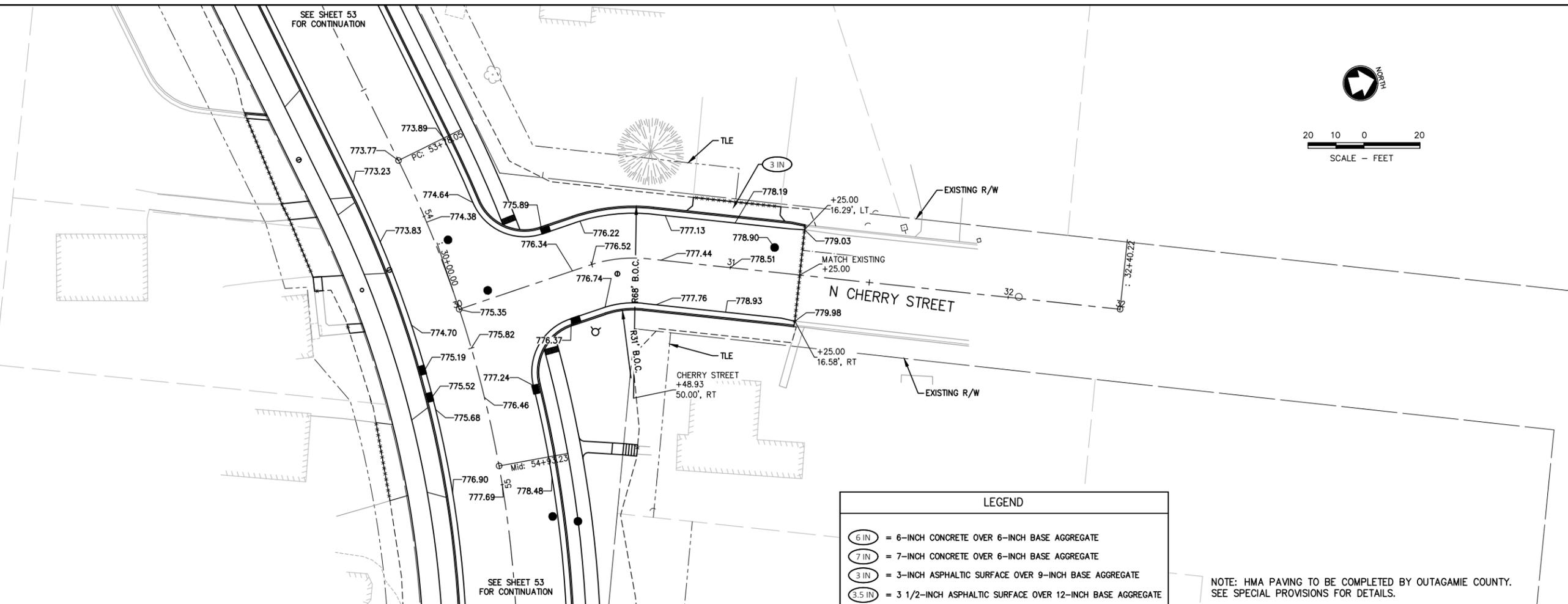
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
PAVING DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>54</b>	

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SEE SHEET 53 FOR CONTINUATION

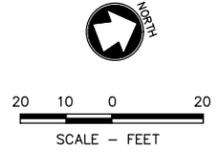
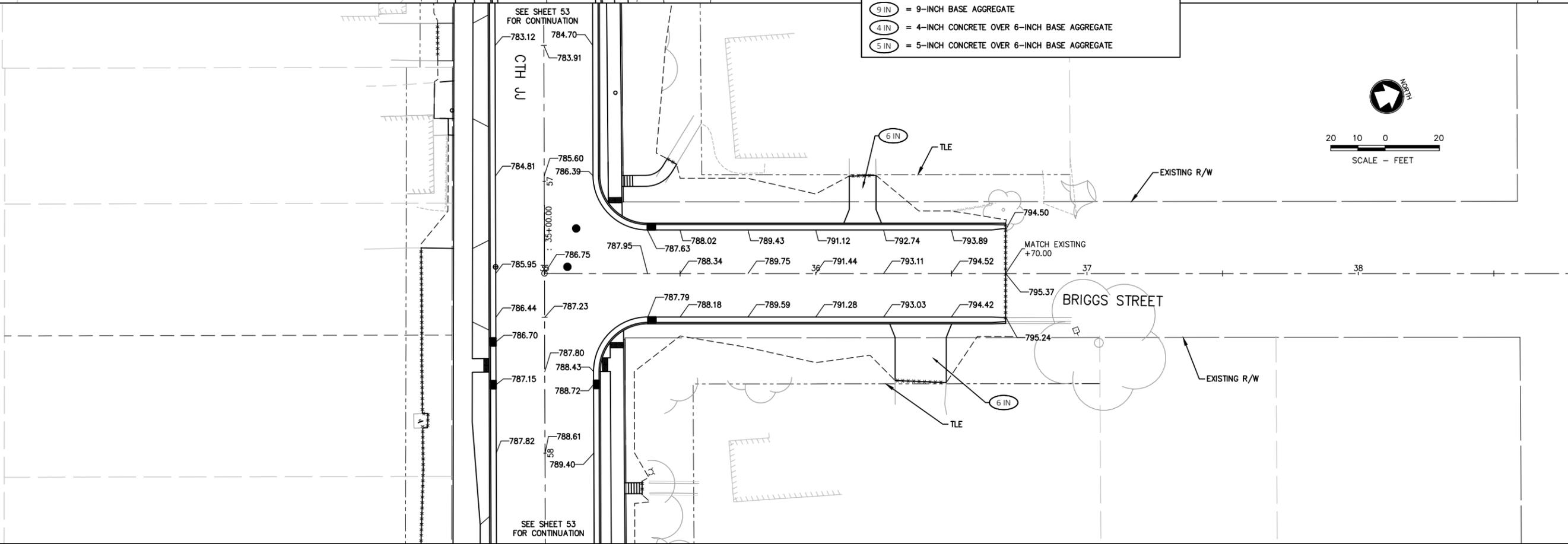


SEE SHEET 53 FOR CONTINUATION

LEGEND	
	6-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
	7-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
	3-INCH ASPHALTIC SURFACE OVER 9-INCH BASE AGGREGATE
	3 1/2-INCH ASPHALTIC SURFACE OVER 12-INCH BASE AGGREGATE
	9-INCH BASE AGGREGATE
	4-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
	5-INCH CONCRETE OVER 6-INCH BASE AGGREGATE

NOTE: HMA PAVING TO BE COMPLETED BY OUTAGAMIE COUNTY. SEE SPECIAL PROVISIONS FOR DETAILS.

SEE SHEET 53 FOR CONTINUATION



SEE SHEET 53 FOR CONTINUATION

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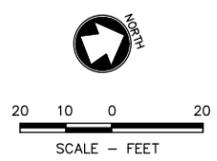
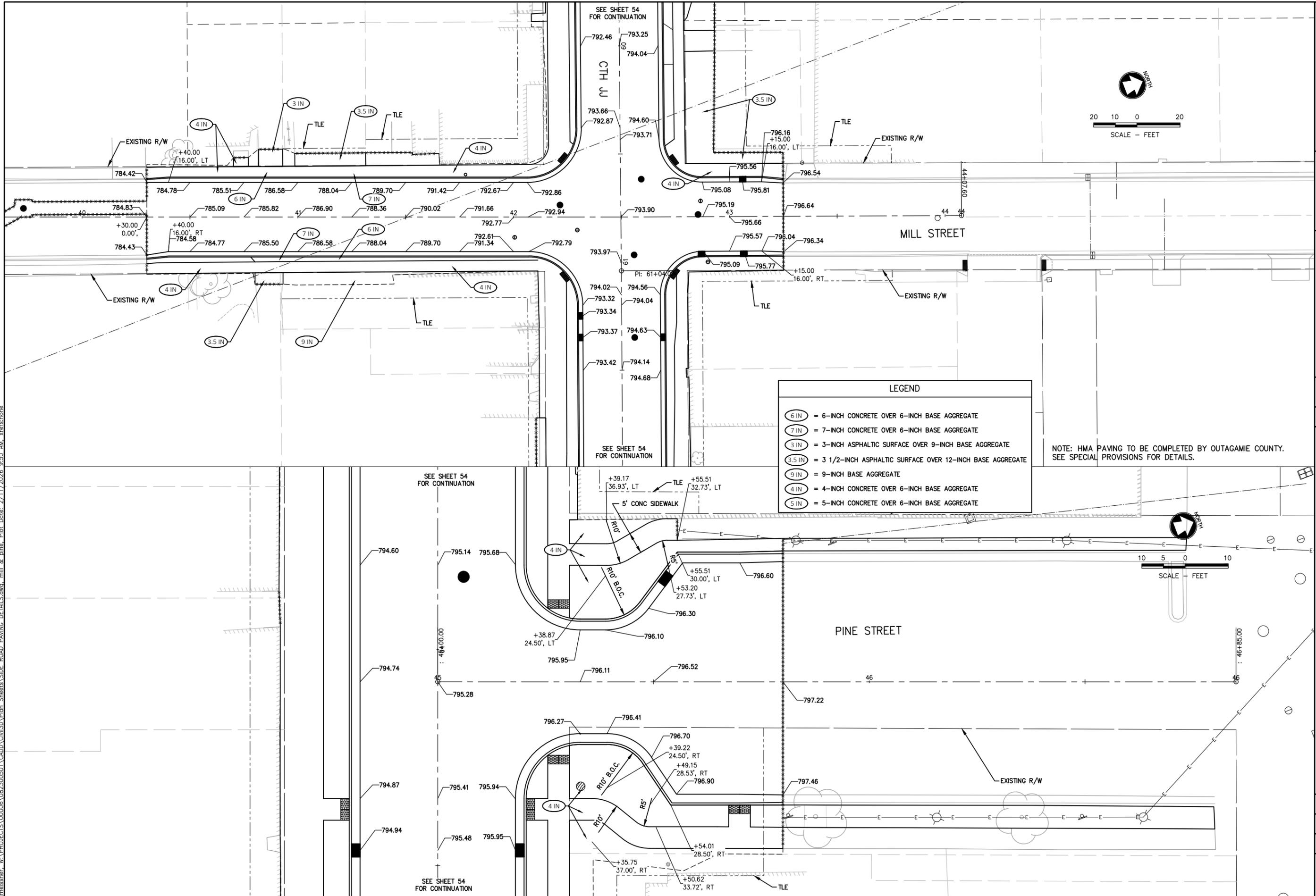
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**PAVING DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>55</b>	

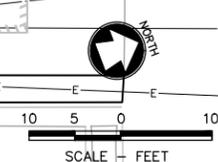
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LEGEND

- 6 IN = 6-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- 7 IN = 7-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- 3 IN = 3-INCH ASPHALTIC SURFACE OVER 9-INCH BASE AGGREGATE
- 3.5 IN = 3 1/2-INCH ASPHALTIC SURFACE OVER 12-INCH BASE AGGREGATE
- 9 IN = 9-INCH BASE AGGREGATE
- 4 IN = 4-INCH CONCRETE OVER 6-INCH BASE AGGREGATE
- 5 IN = 5-INCH CONCRETE OVER 6-INCH BASE AGGREGATE

NOTE: HMA PAVING TO BE COMPLETED BY OUTAGAMIE COUNTY. SEE SPECIAL PROVISIONS FOR DETAILS.



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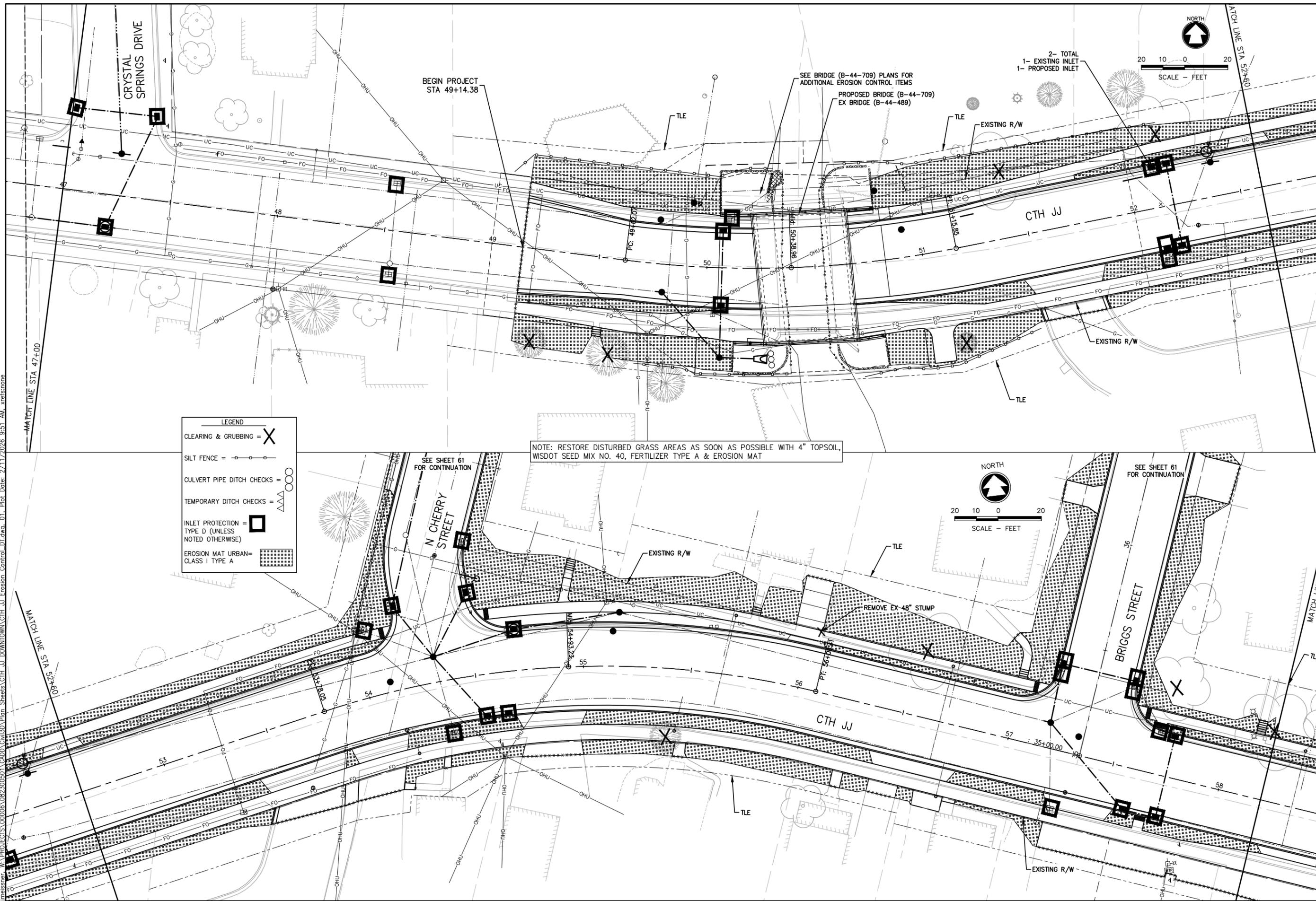
NO.	DATE	REVISION

CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
PAVING DETAILS

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>56</b>	



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**LEGEND**

- CLEARING & GRUBBING = X
- SILT FENCE = —○—○—
- CULVERT PIPE DITCH CHECKS = ○○○
- TEMPORARY DITCH CHECKS = △△△
- INLET PROTECTION = TYPE D (UNLESS NOTED OTHERWISE) = □
- EROSION MAT URBAN = CLASS I TYPE A = [Hatched Pattern]

NOTE: RESTORE DISTURBED GRASS AREAS AS SOON AS POSSIBLE WITH 4" TOPSOIL, WISDOT SEED MIX NO. 40, FERTILIZER TYPE A & EROSION MAT

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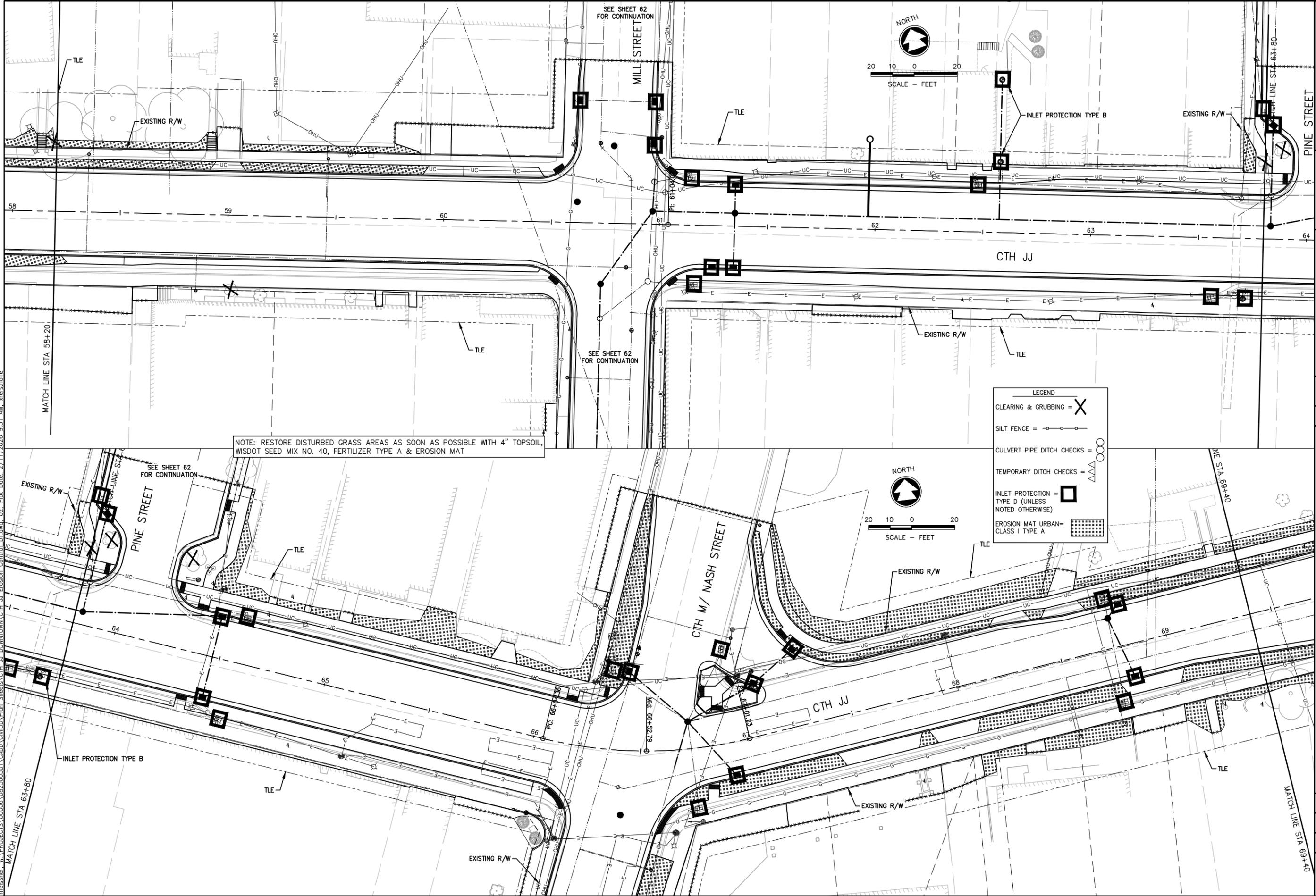
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**EROSION CONTROL**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>58</b>	

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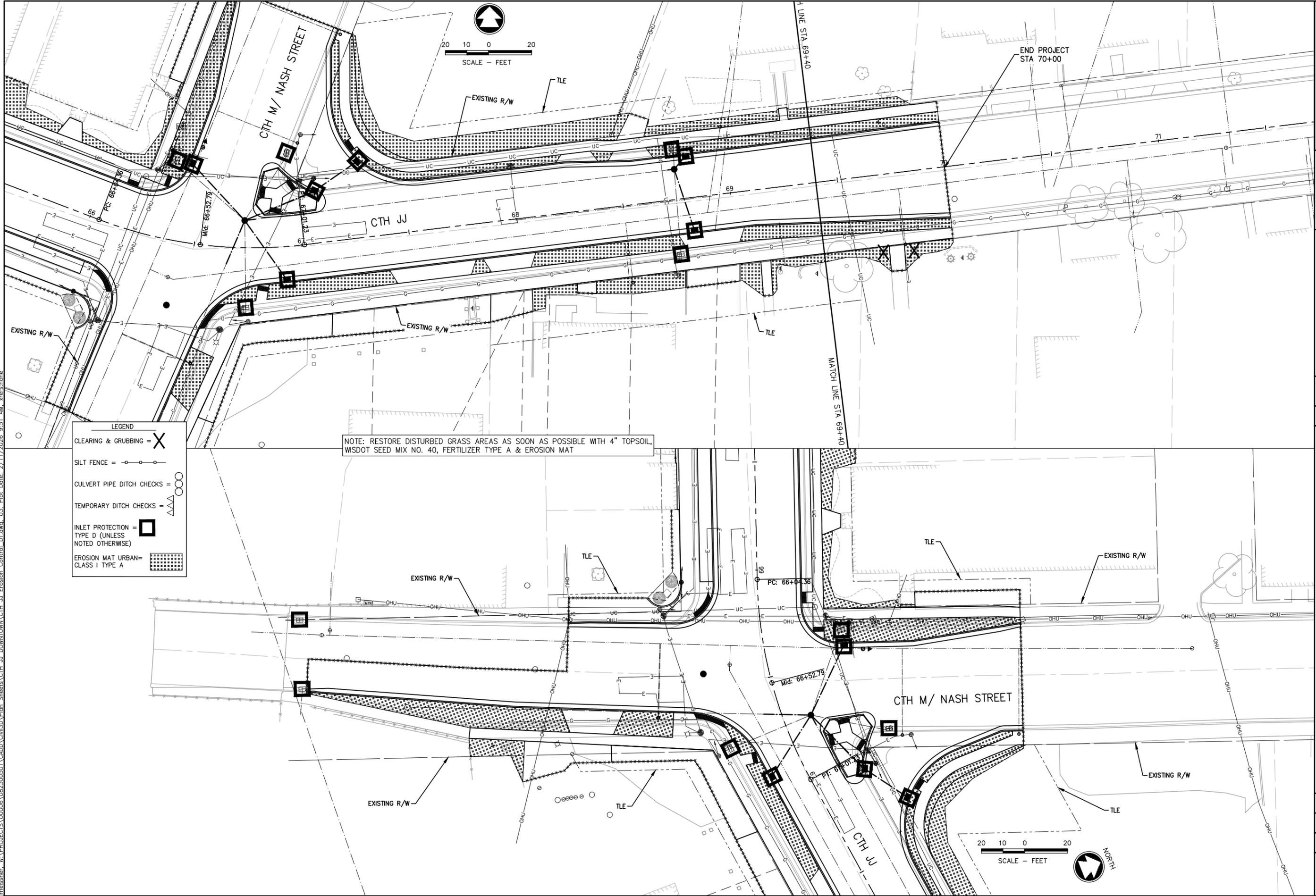
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CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
EROSION CONTROL

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>59</b>	

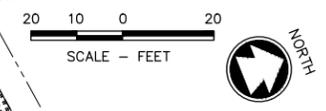
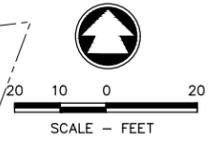
W:\PROJECTS\00006\082300501\CADD\Civil3D\Plan Sheets\CTH JJ\_DOWNTOWN\CTH JJ Erosion Control.Dwg, 03\_Plot Date: 2/11/2026 9:51 AM, xref:sname



**LEGEND**

- CLEARING & GRUBBING =
- SILT FENCE =
- CULVERT PIPE DITCH CHECKS =
- TEMPORARY DITCH CHECKS =
- INLET PROTECTION = TYPE D (UNLESS NOTED OTHERWISE) =
- EROSION MAT URBAN = CLASS I TYPE A =

NOTE: RESTORE DISTURBED GRASS AREAS AS SOON AS POSSIBLE WITH 4" TOPSOIL, WISDOT SEED MIX NO. 40, FERTILIZER TYPE A & EROSION MAT



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
EROSION CONTROL**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>60</b>	

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LEGEND	
CLEARING & GRUBBING =	X
SILT FENCE =	—○—○—○—
CULVERT PIPE DITCH CHECKS =	○○○○
TEMPORARY DITCH CHECKS =	△△△△
INLET PROTECTION =	□
TYPE D (UNLESS NOTED OTHERWISE)	
EROSION MAT URBAN =	▨
CLASS I TYPE A	

NOTE: RESTORE DISTURBED GRASS AREAS AS SOON AS POSSIBLE WITH 4" TOPSOIL, WISDOT SEED MIX NO. 40, FERTILIZER TYPE A & EROSION MAT

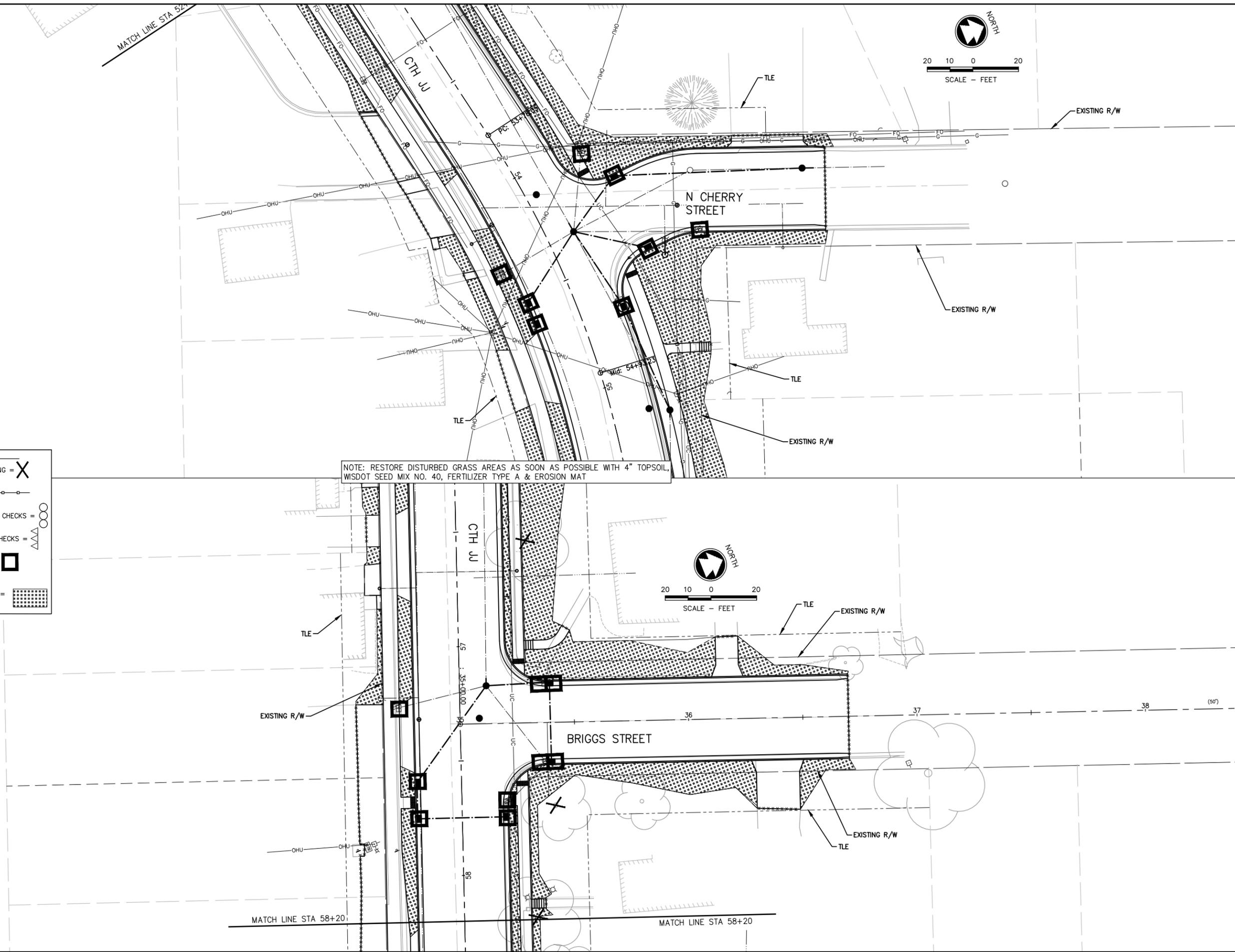
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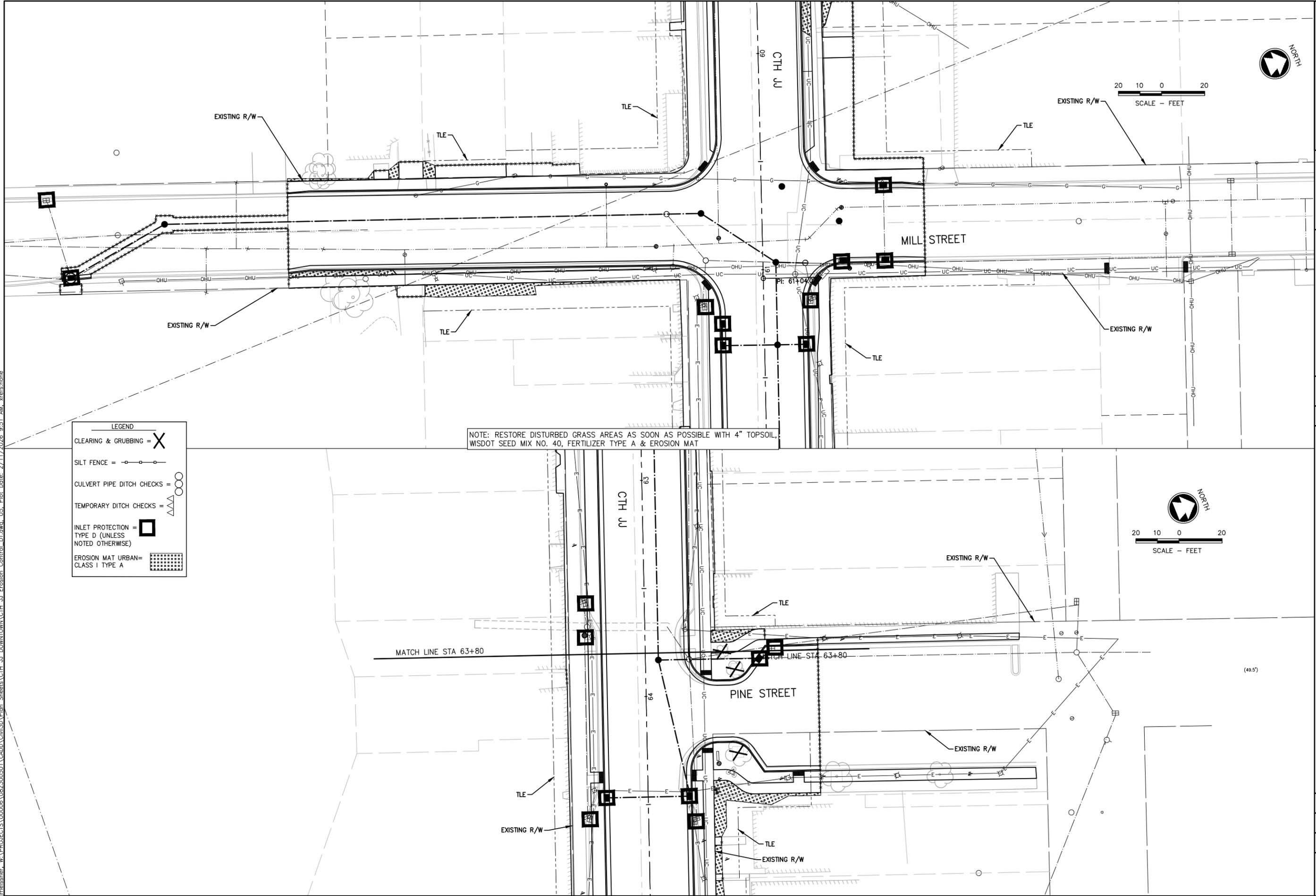
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 EROSION CONTROL**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>61</b>	



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LEGEND

CLEARING & GRUBBING =	X
SILT FENCE =	—○—○—○—
CULVERT PIPE DITCH CHECKS =	○○○○
TEMPORARY DITCH CHECKS =	△△△△
INLET PROTECTION =	□
TYPE D (UNLESS NOTED OTHERWISE)	
EROSION MAT URBAN =	■
CLASS I TYPE A	

NOTE: RESTORE DISTURBED GRASS AREAS AS SOON AS POSSIBLE WITH 4" TOPSOIL, WISDOT SEED MIX NO. 40, FERTILIZER TYPE A & EROSION MAT

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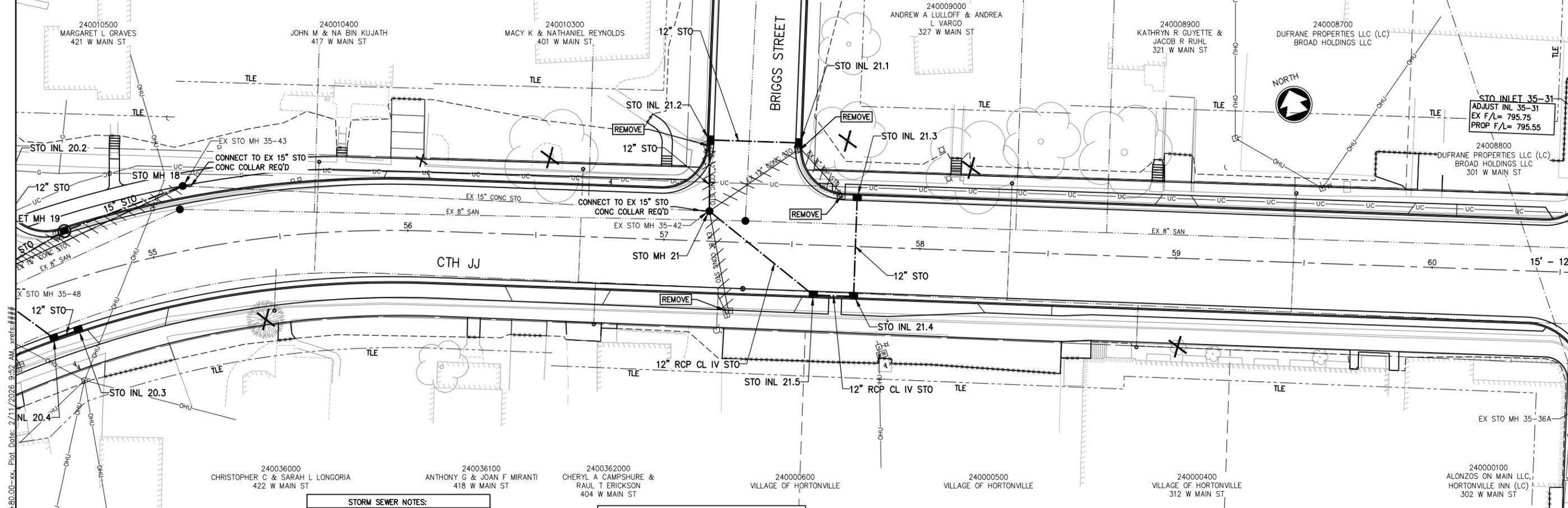
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**EROSION CONTROL**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>62</b>	



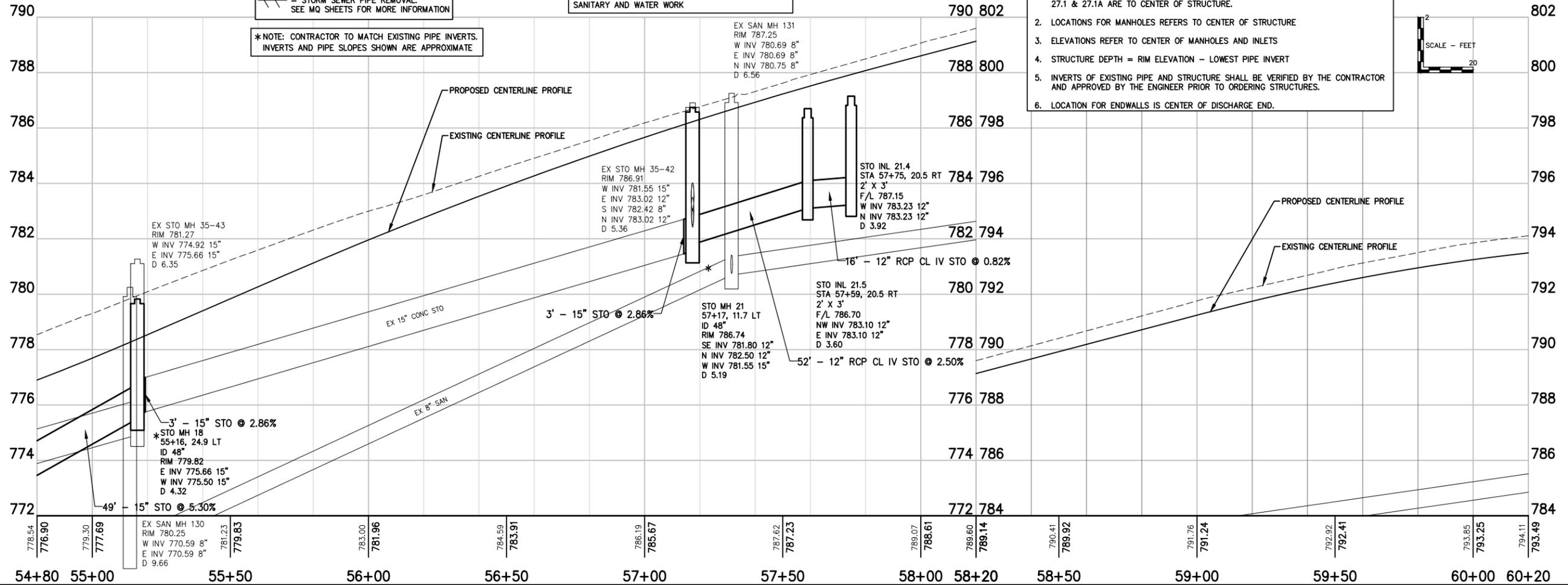
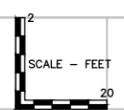


**STORM SEWER NOTES:**  
 --- = STORM SEWER PIPE REMOVAL.  
 SEE MQ SHEETS FOR MORE INFORMATION

SEE SANITARY AND WATER MAIN PLAN SHEETS FOR  
 SANITARY AND WATER WORK

\*NOTE: CONTRACTOR TO MATCH EXISTING PIPE INVERTS.  
 INVERTS AND PIPE SLOPES SHOWN ARE APPROXIMATE

1. LOCATIONS FOR INLETS REFERS TO CENTER OF STRUCTURE AT BACK OF CURB. INL 27.1 & 27.1A ARE TO CENTER OF STRUCTURE.
2. LOCATIONS FOR MANHOLES REFERS TO CENTER OF STRUCTURE
3. ELEVATIONS REFER TO CENTER OF MANHOLES AND INLETS
4. STRUCTURE DEPTH = RIM ELEVATION - LOWEST PIPE INVERT
5. INVERTS OF EXISTING PIPE AND STRUCTURE SHALL BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO ORDERING STRUCTURES.
6. LOCATION FOR ENDWALLS IS CENTER OF DISCHARGE END.



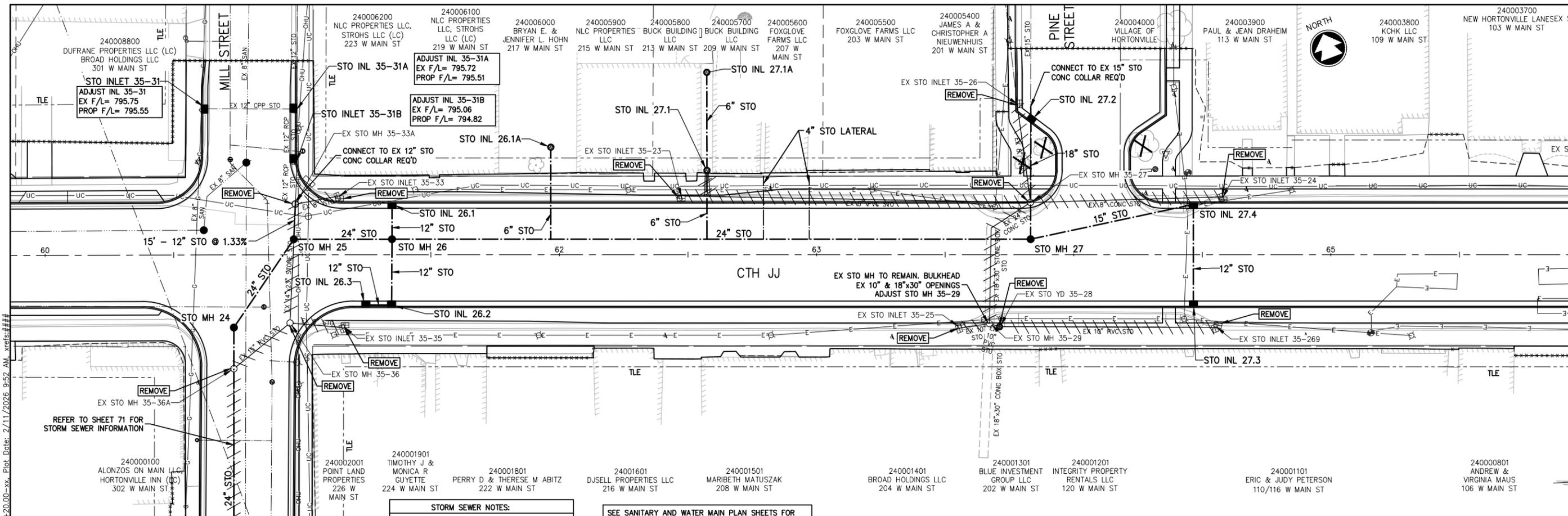
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 ENGINEERS & ARCHITECTS  
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ STORM SEWER DETAILS**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	<b>64</b>

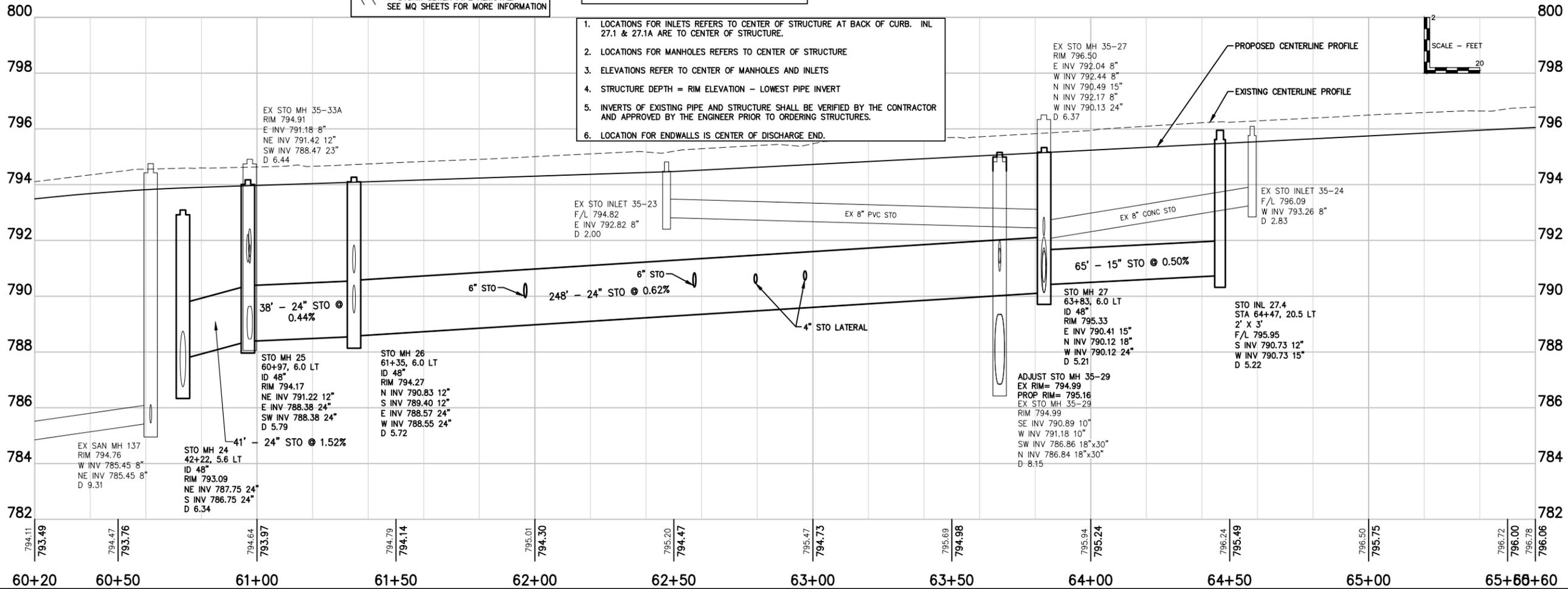


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**STORM SEWER NOTES:**  
 // = STORM SEWER PIPE REMOVAL  
 SEE MQ SHEETS FOR MORE INFORMATION

SEE SANITARY AND WATER MAIN PLAN SHEETS FOR SANITARY AND WATER WORK

1. LOCATIONS FOR INLETS REFERS TO CENTER OF STRUCTURE AT BACK OF CURB. INL 27.1 & 27.1A ARE TO CENTER OF STRUCTURE.
2. LOCATIONS FOR MANHOLES REFERS TO CENTER OF STRUCTURE
3. ELEVATIONS REFER TO CENTER OF MANHOLES AND INLETS
4. STRUCTURE DEPTH = RIM ELEVATION - LOWEST PIPE INVERT
5. INVERTS OF EXISTING PIPE AND STRUCTURE SHALL BE VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO ORDERING STRUCTURES.
6. LOCATION FOR ENDWALLS IS CENTER OF DISCHARGE END.



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ STORM SEWER DETAILS**

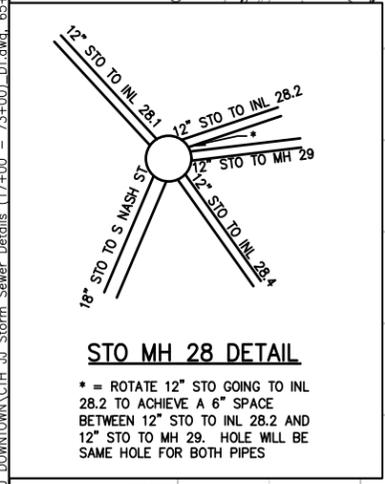
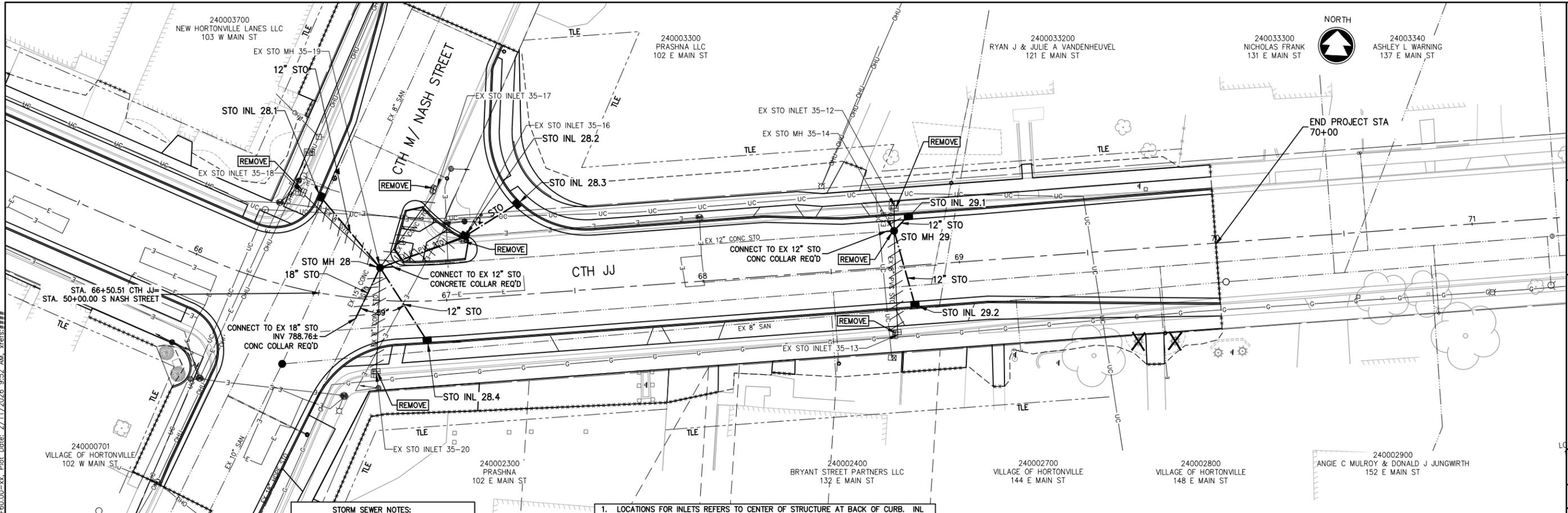
DESIGNED: \_\_\_\_\_ DRAWN: \_\_\_\_\_

PROJECT NO. 00006 08-23-00501

DATE 2026

SHEET NO. **65**

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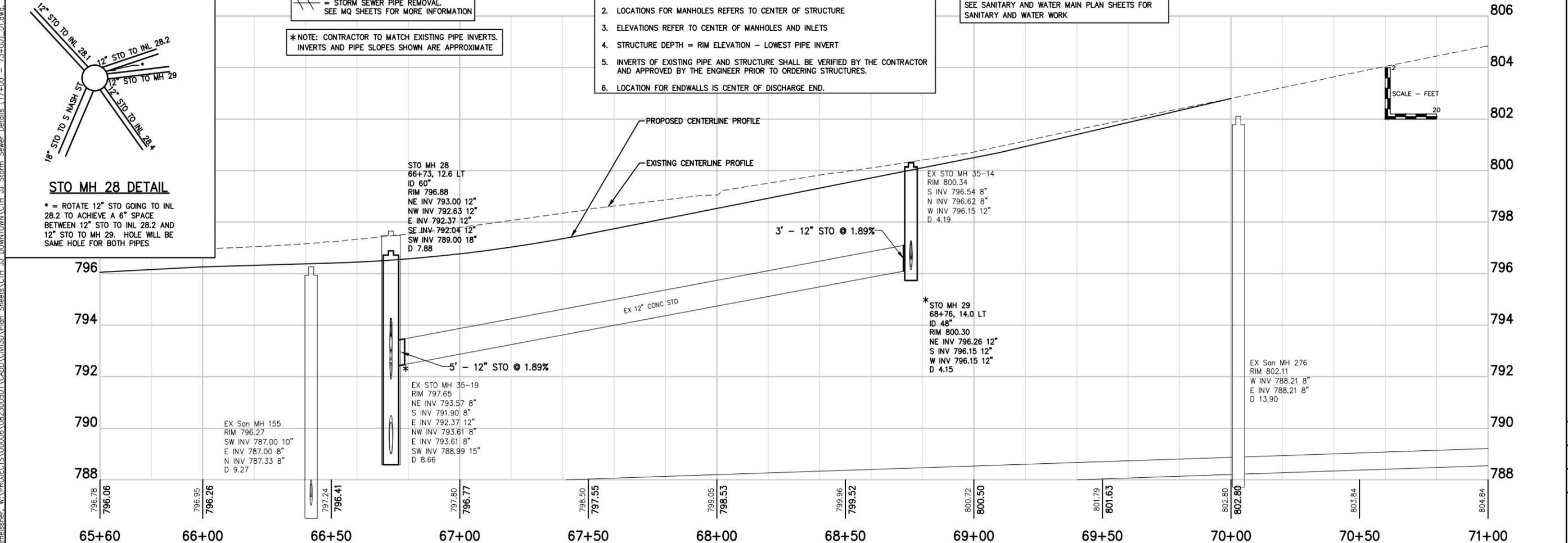


**STORM SEWER NOTES:**  
 --- = STORM SEWER PIPE REMOVAL. SEE MQ SHEETS FOR MORE INFORMATION

\*NOTE: CONTRACTOR TO MATCH EXISTING PIPE INVERTS. INVERTS AND PIPE SLOPES SHOWN ARE APPROXIMATE

1. LOCATIONS FOR INLETS REFERS TO CENTER OF STRUCTURE AT BACK OF CURB. INL 27.1 & 27.1A ARE TO CENTER OF STRUCTURE.
2. LOCATIONS FOR MANHOLES REFERS TO CENTER OF STRUCTURE
3. ELEVATIONS REFER TO CENTER OF MANHOLES AND INLETS
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6. LOCATION FOR ENDWALLS IS CENTER OF DISCHARGE END.

SEE SANITARY AND WATER MAIN PLAN SHEETS FOR SANITARY AND WATER WORK



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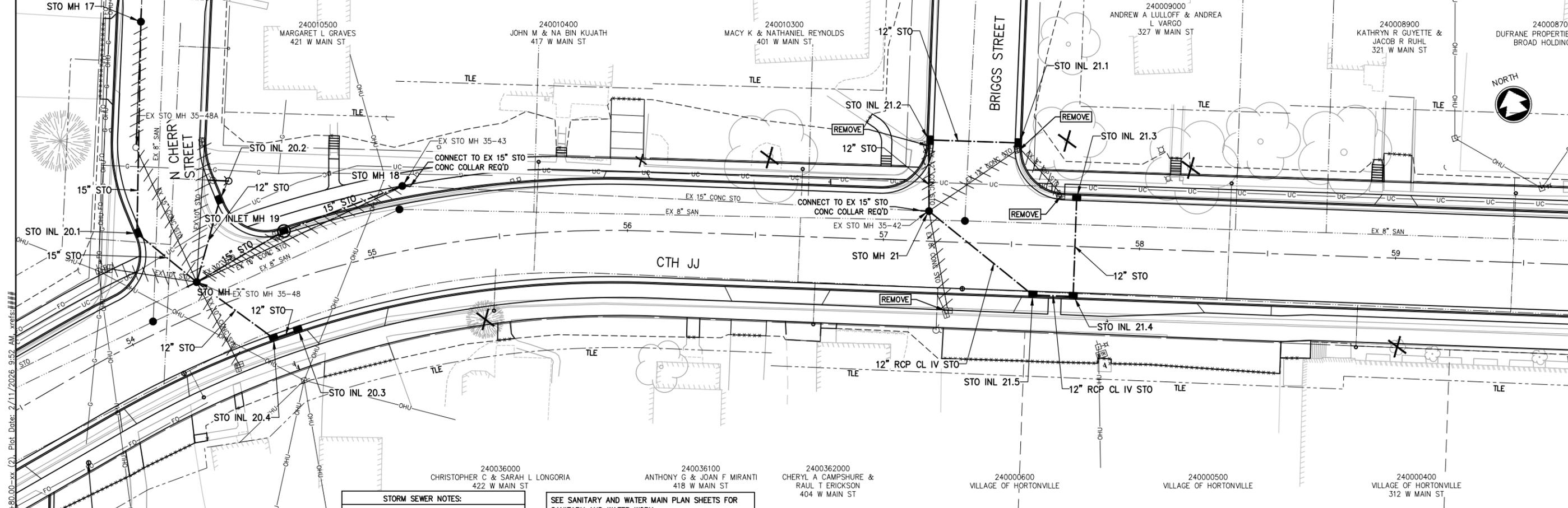
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ STORM SEWER DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>66</b>	



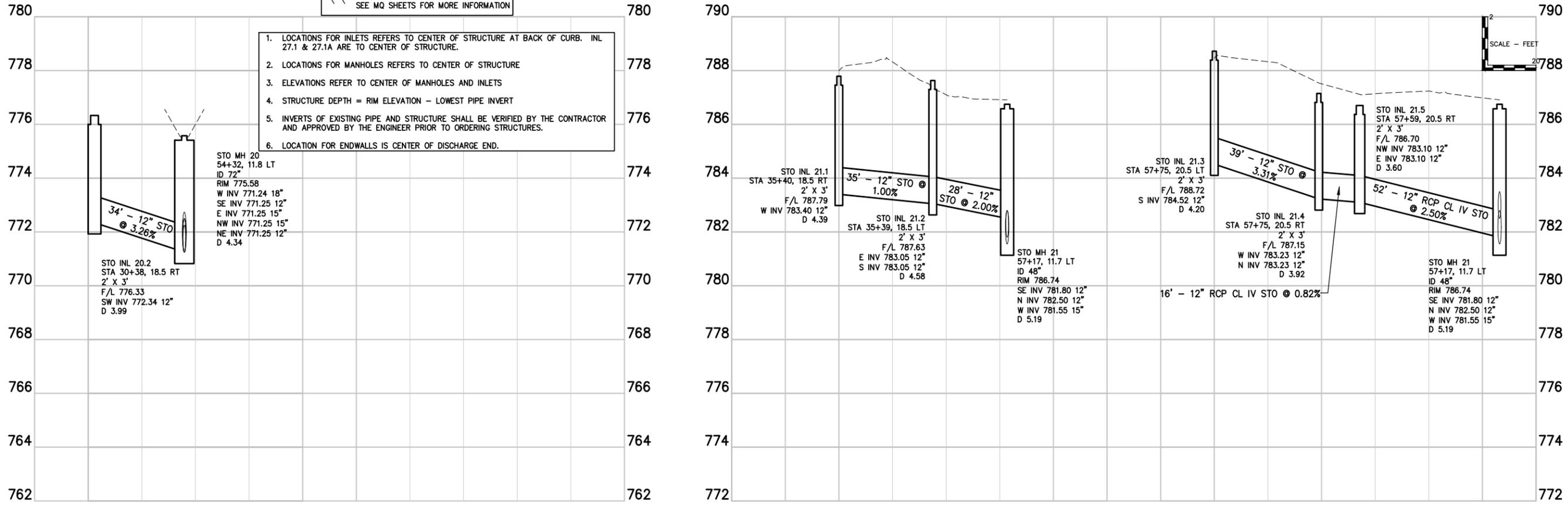


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**STORM SEWER NOTES:**  
 --- = STORM SEWER PIPE REMOVAL.  
 SEE MQ SHEETS FOR MORE INFORMATION

SEE SANITARY AND WATER MAIN PLAN SHEETS FOR  
 SANITARY AND WATER WORK

1. LOCATIONS FOR INLETS REFERS TO CENTER OF STRUCTURE AT BACK OF CURB. INL 27.1 & 27.1A ARE TO CENTER OF STRUCTURE.
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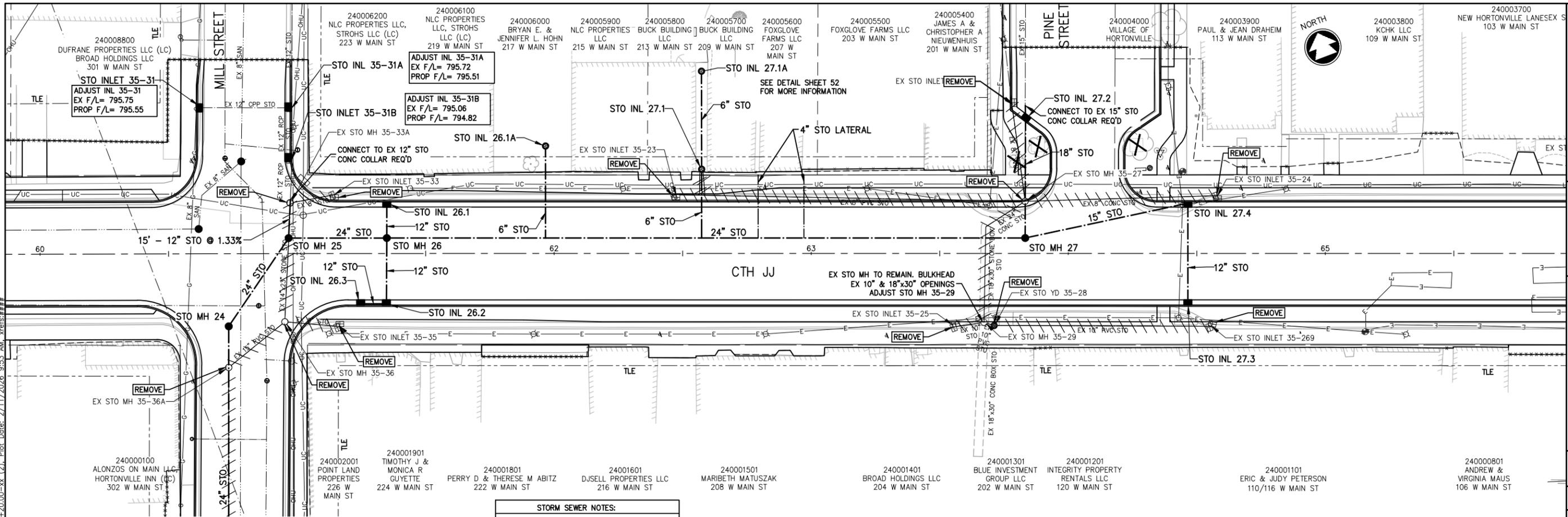
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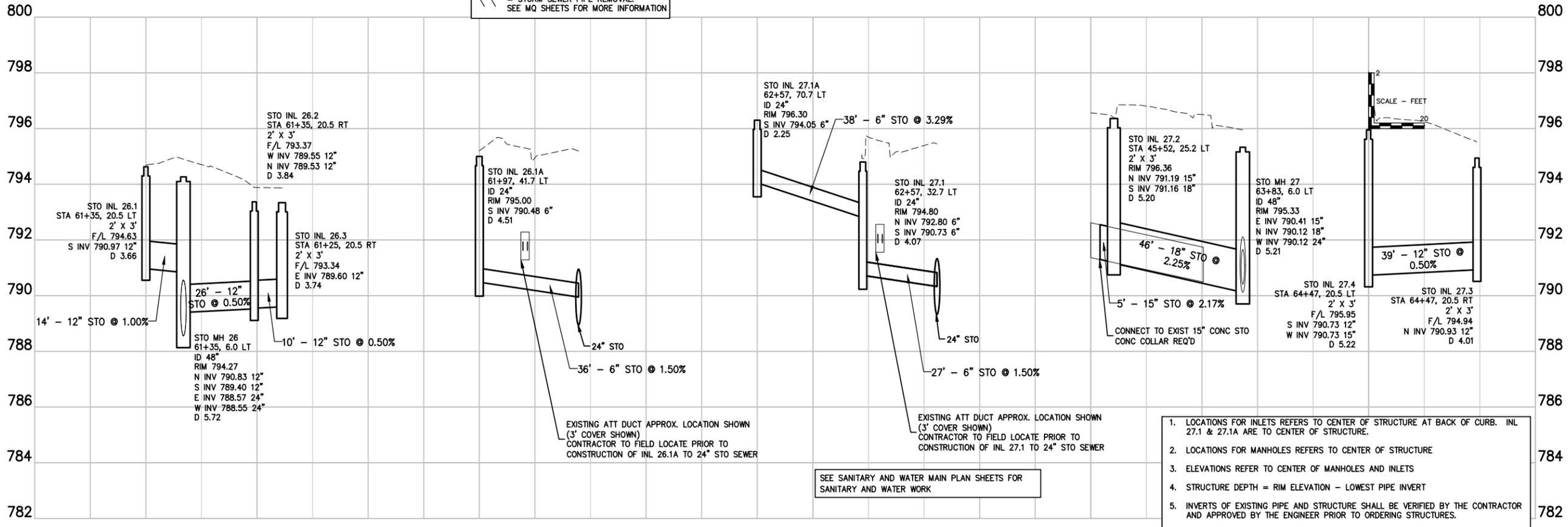
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ STORM SEWER DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>68</b>	

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**STORM SEWER NOTES:**  
 --- = STORM SEWER PIPE REMOVAL  
 SEE MQ SHEETS FOR MORE INFORMATION



EXISTING ATT DUCT APPROX. LOCATION SHOWN (3' COVER SHOWN)  
 CONTRACTOR TO FIELD LOCATE PRIOR TO CONSTRUCTION OF INLET 26.1A TO 24" STO SEWER

EXISTING ATT DUCT APPROX. LOCATION SHOWN (3' COVER SHOWN)  
 CONTRACTOR TO FIELD LOCATE PRIOR TO CONSTRUCTION OF INLET 27.1 TO 24" STO SEWER

SEE SANITARY AND WATER MAIN PLAN SHEETS FOR SANITARY AND WATER WORK

1. LOCATIONS FOR INLETS REFERS TO CENTER OF STRUCTURE AT BACK OF CURB. INLET 27.1 & 27.1A ARE TO CENTER OF STRUCTURE.
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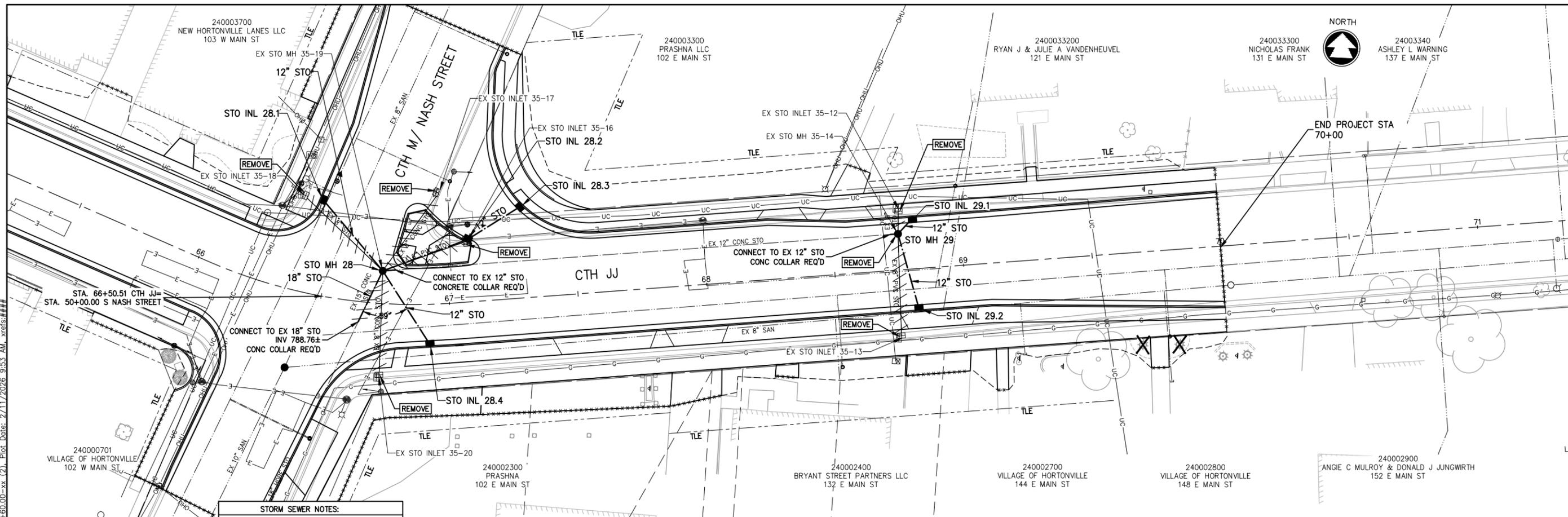
PROJECT NO. 00006 08-23-00501

DATE 2026

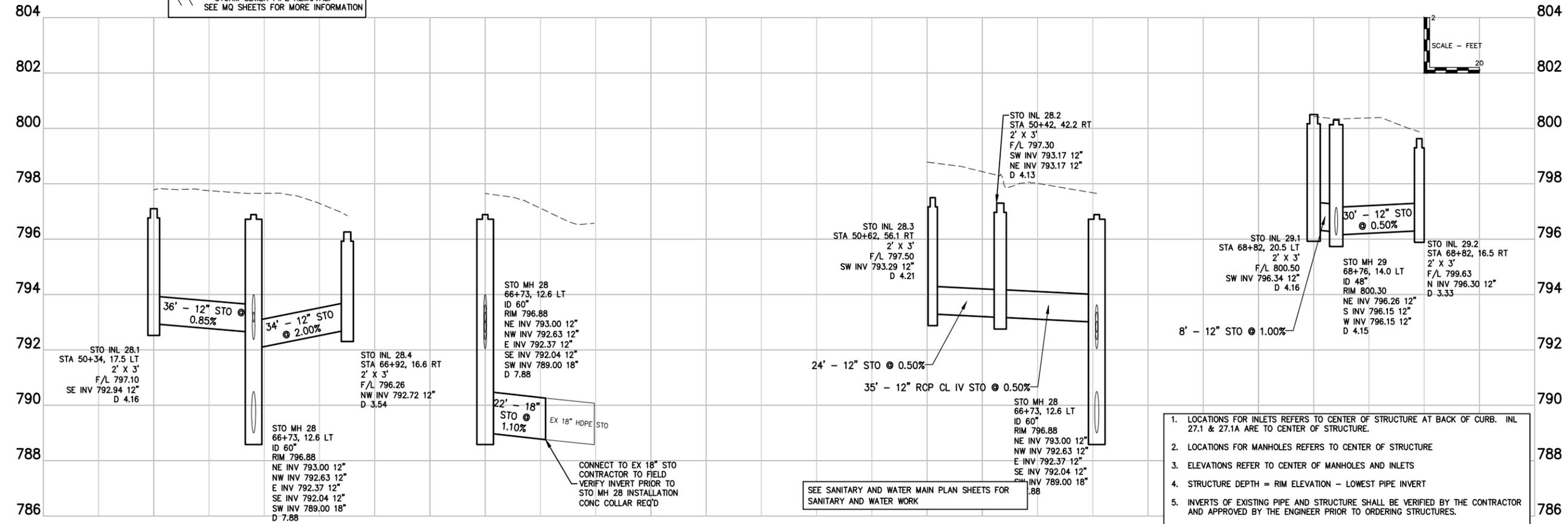
SHEET NO. 69

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ STORM SEWER DETAILS**

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**STORM SEWER NOTES:**  
 --- = STORM SEWER PIPE REMOVAL.  
 SEE MQ SHEETS FOR MORE INFORMATION



1. LOCATIONS FOR INLETS REFERS TO CENTER OF STRUCTURE AT BACK OF CURB. INL 27.1 & 27.1A ARE TO CENTER OF STRUCTURE.
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SEE SANITARY AND WATER MAIN PLAN SHEETS FOR SANITARY AND WATER WORK

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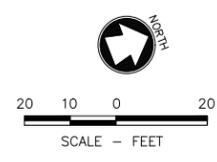
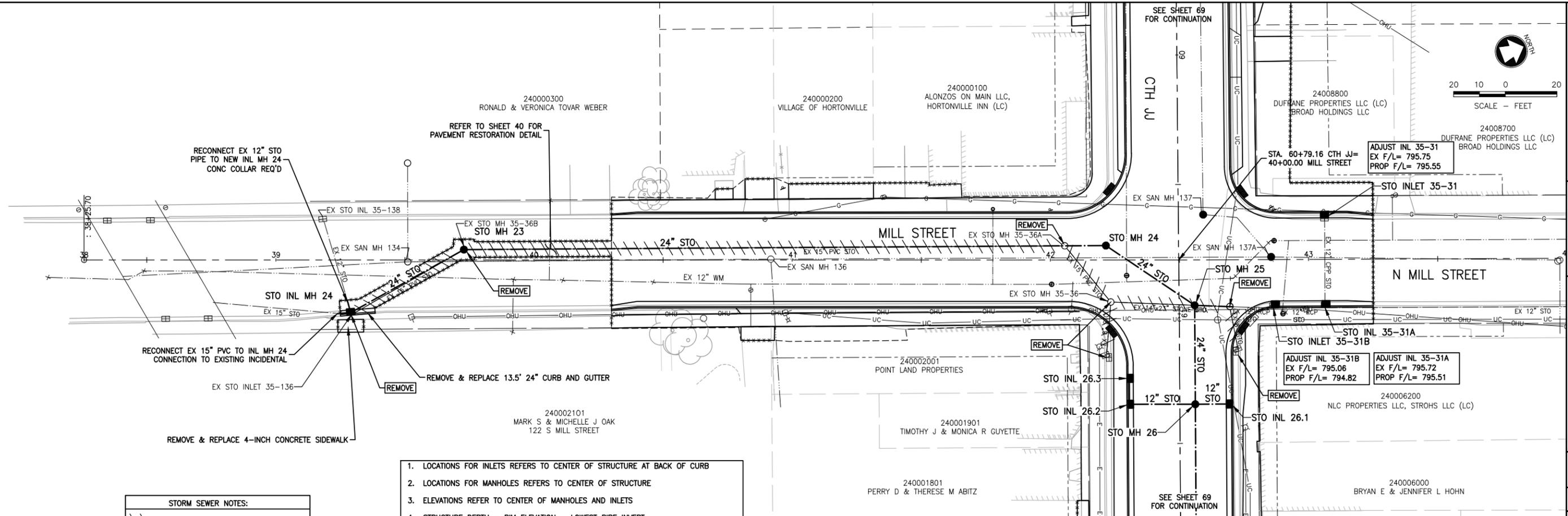
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ STORM SEWER DETAILS**

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PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>70</b>	

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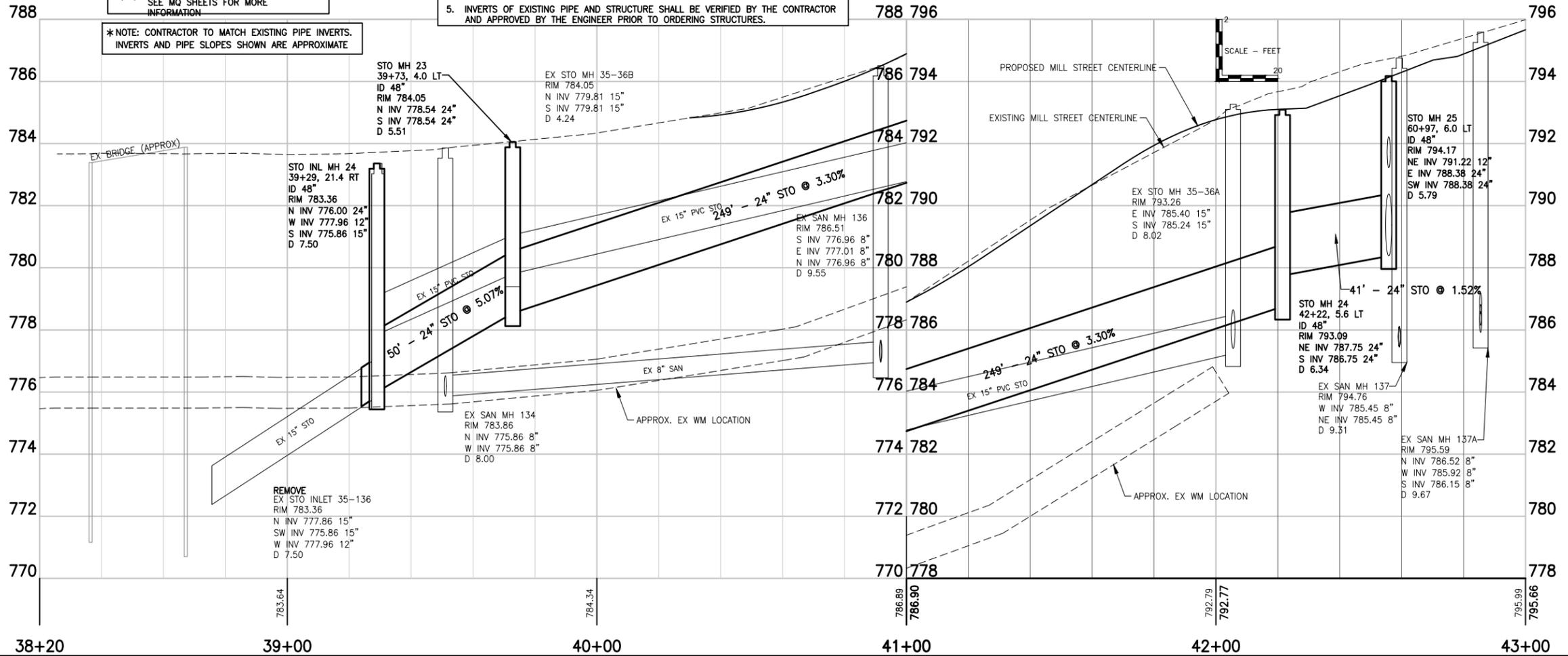


1. LOCATIONS FOR INLETS REFERS TO CENTER OF STRUCTURE AT BACK OF CURB
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**STORM SEWER NOTES:**

= STORM SEWER PIPE REMOVAL. SEE MQ SHEETS FOR MORE INFORMATION

\*NOTE: CONTRACTOR TO MATCH EXISTING PIPE INVERTS. INVERTS AND PIPE SLOPES SHOWN ARE APPROXIMATE



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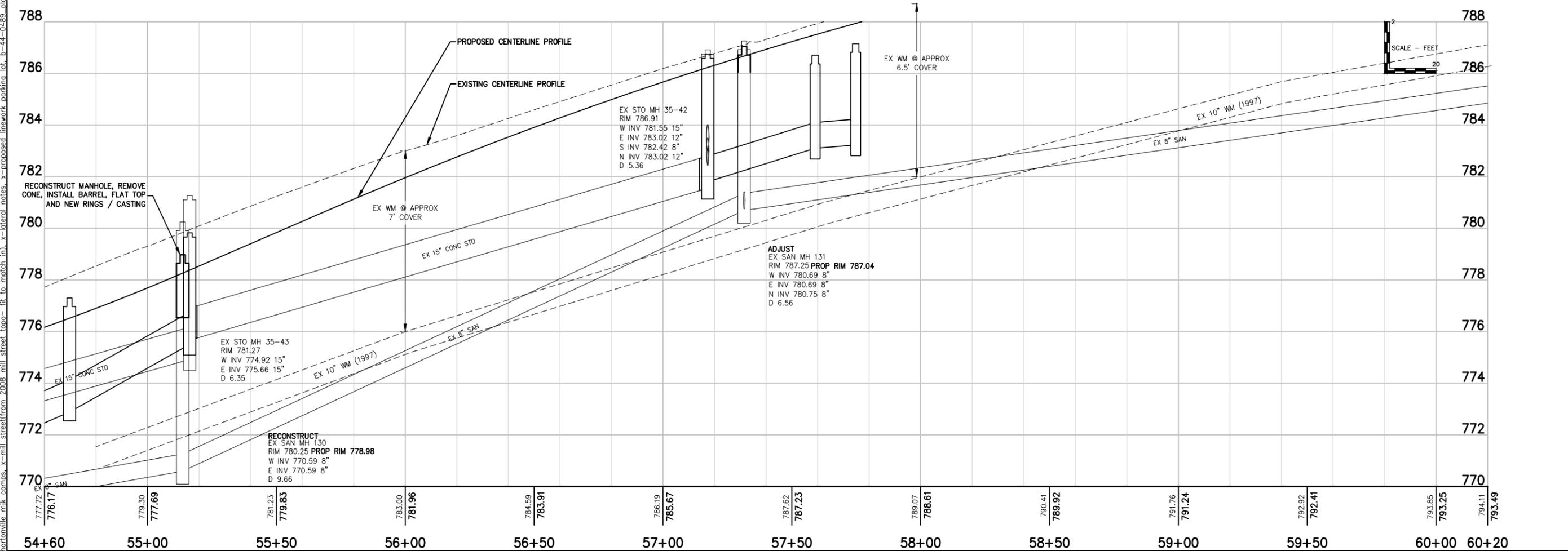
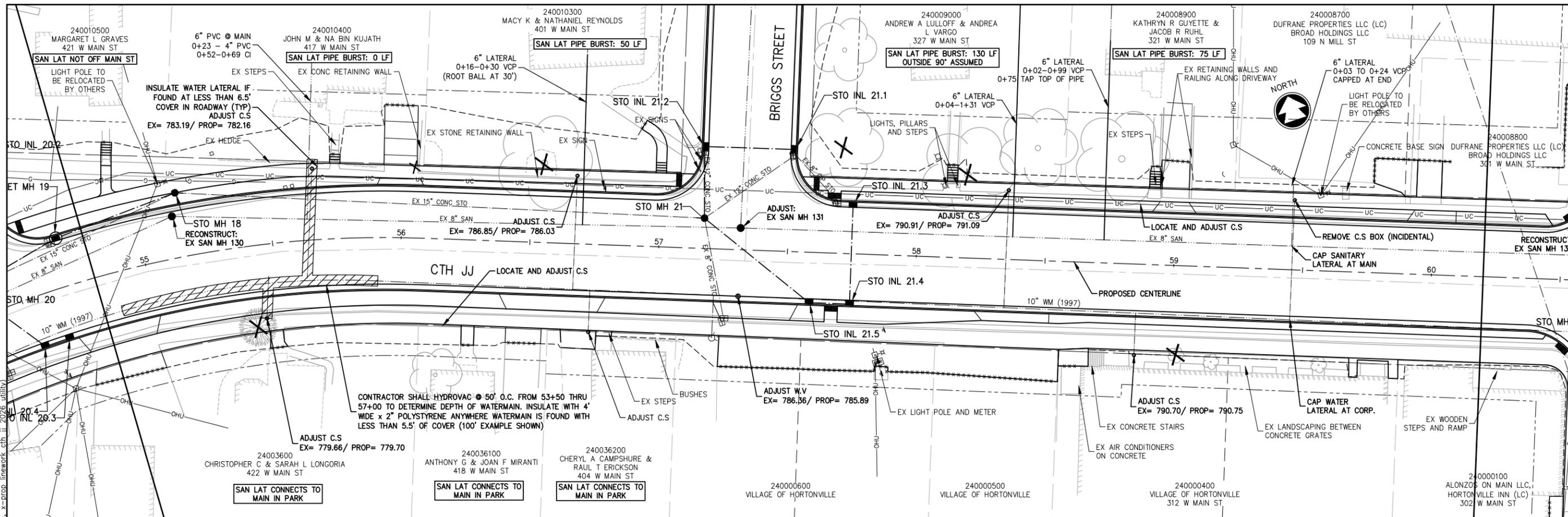
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION, OUTAGAME COUNTY, WI**  
**VILLAGE OF HORTONVILLE, OUTAGAME COUNTY, WI**  
**CTH JJ STORM SEWER DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>71</b>	



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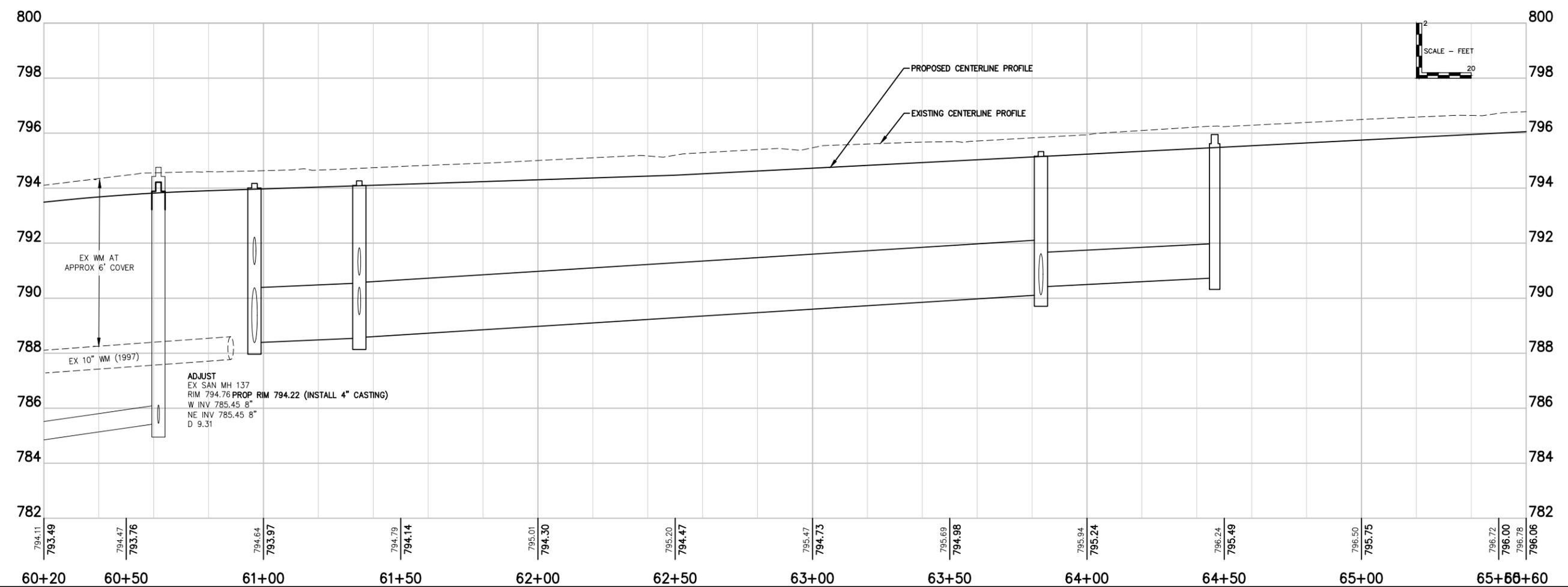
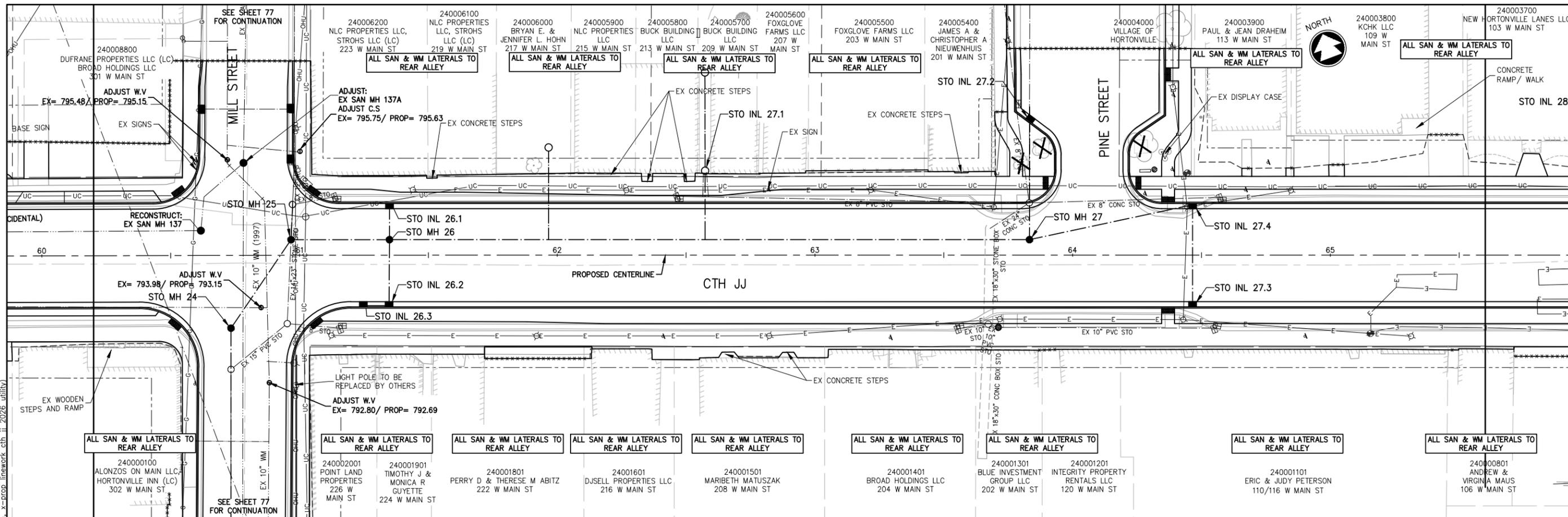
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CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 CTH JJ SANITARY AND WATER DETAILS

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <span style="font-size: 24pt; font-weight: bold;">73</span>	

jneissner, W:\PROJECTS\00006\082300501\CAD\Plan Sheets\Utility Plans - Downtown Crystal Springs to Nash St\Main Street PP.dwg, 06/60+20.00-xx, Plot Date: 9/11/2026 9:54 AM, wrefs: (x-prop\_cth\_jj, x-cth\_jj-ellpoints, x-cth\_jj-existtopo, cth\_jj-former\_sth\_15  
 hortonville\_mlk\_corps., x-mill\_street(from\_2008\_mill\_street\_top)-fit\_to\_match\_id), x-lateral\_notes, x-proposed\_linework\_parking\_lot, b-44-0489-plan, x-prop\_linework\_cth\_jj\_2026\_utility)



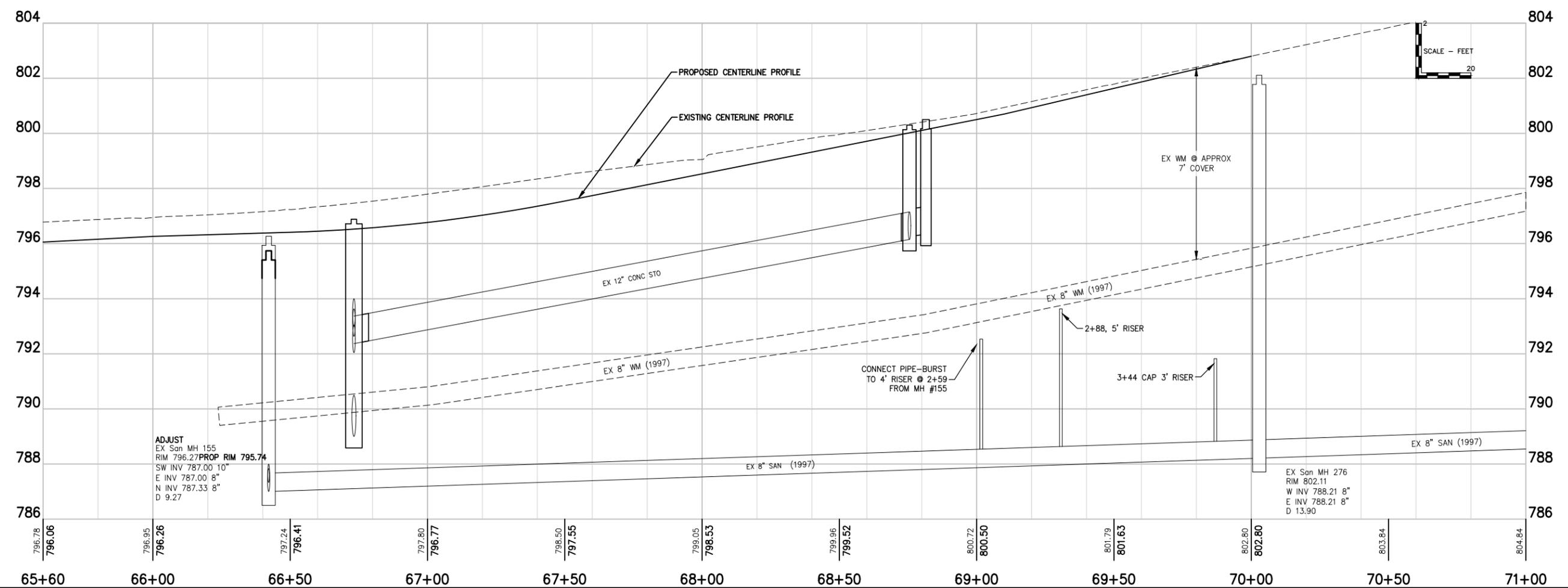
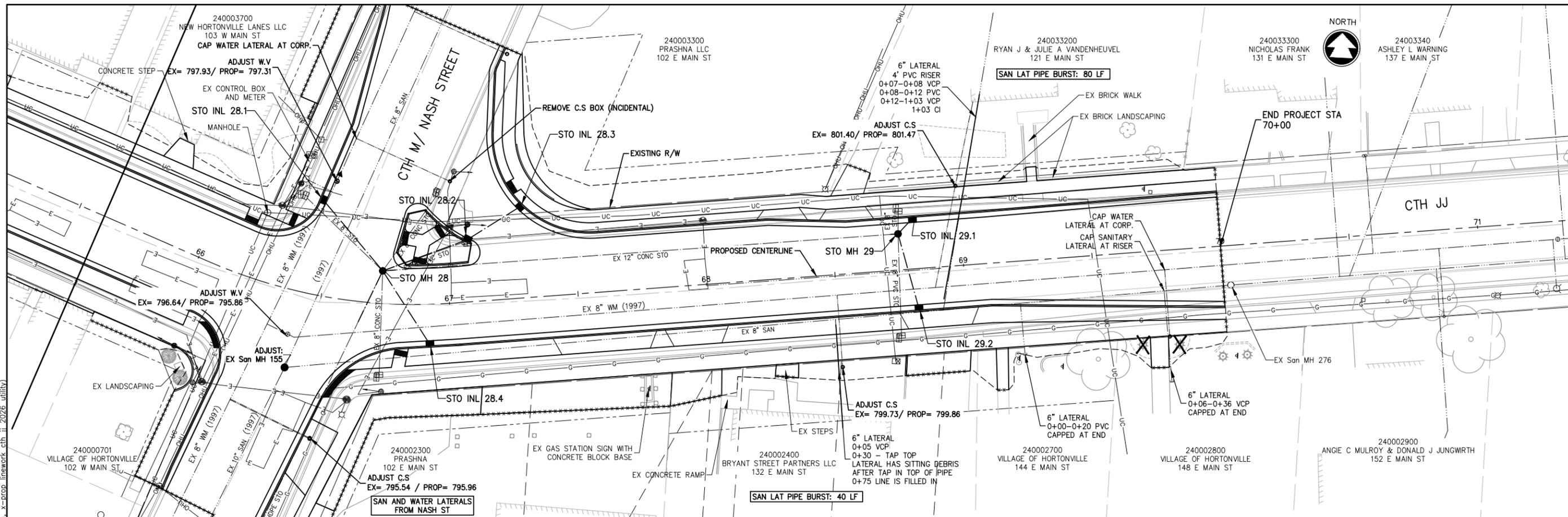
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ SANITARY AND WATER DETAILS**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	74

jneissner, W:\PROJECTS\00006\082300501\CADD\Civil3D\Plan Sheets\Utility Plans - Downtown Crystal Springs to Nash St\Main Street PP.dwg, 07 65+60.00--xx, Plot Date: 2/11/2026 9:54 AM, wref: (x-prop\_chn ii, x-chn ii-ellpoints, x-chn ii-existtopo, chn ii-former sth 15  
 hortonville\_mlk\_corps, x-mil\_street\_topo--fit to match id), x-lateral notes, x-proposed linework parking lot, b-44-0489-plan, x-prop linework chn ii 2026 utility



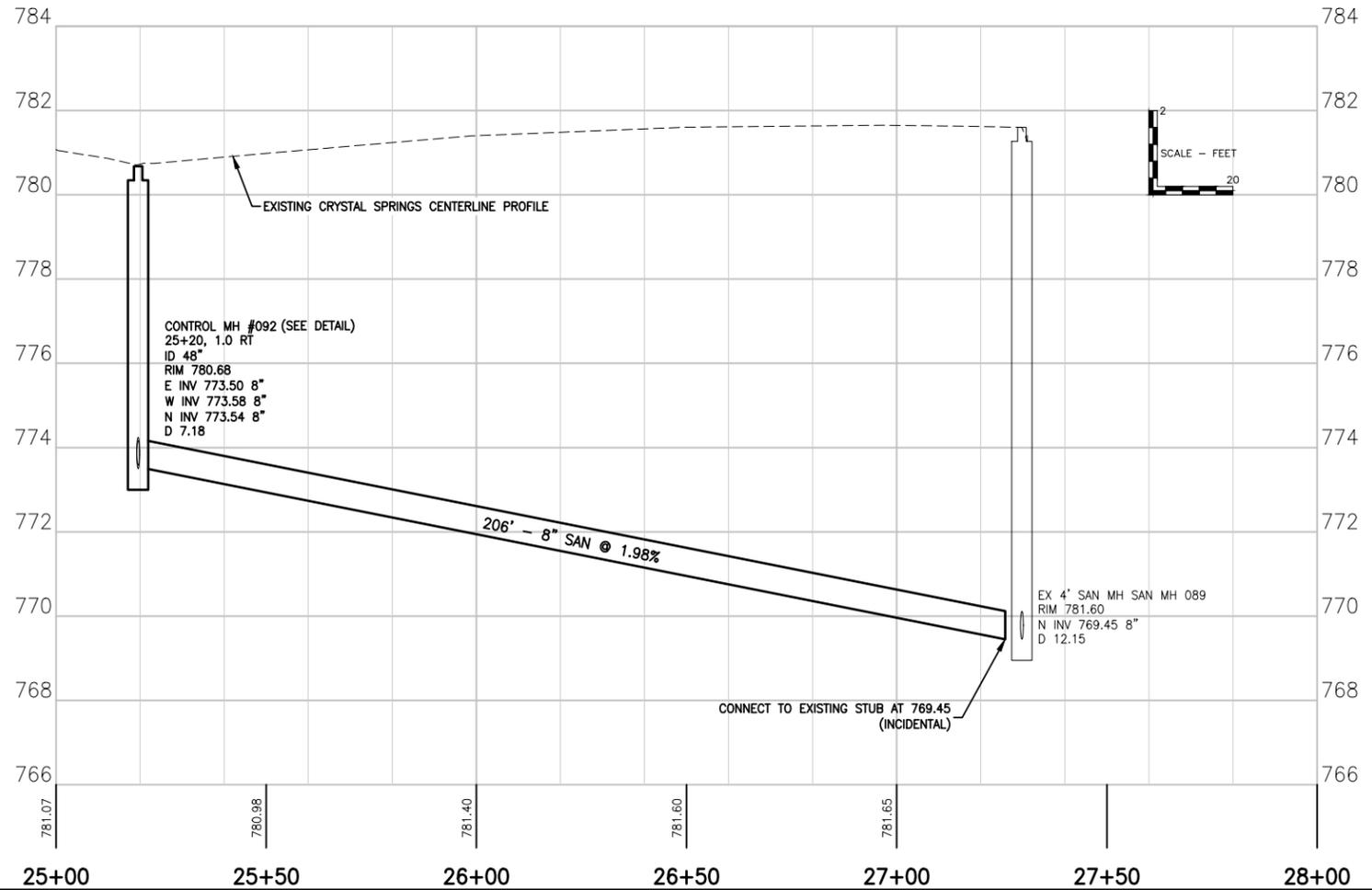
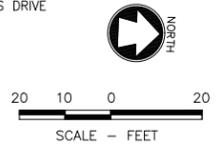
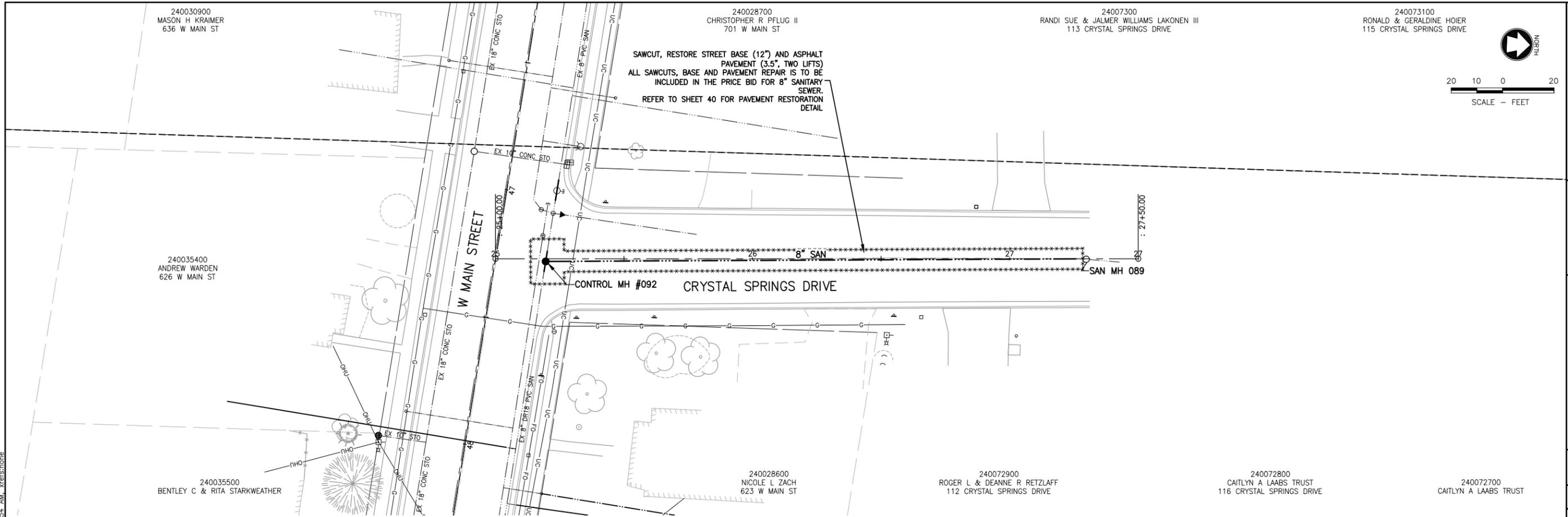
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ SANITARY AND WATER DETAILS**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	<b>75</b>

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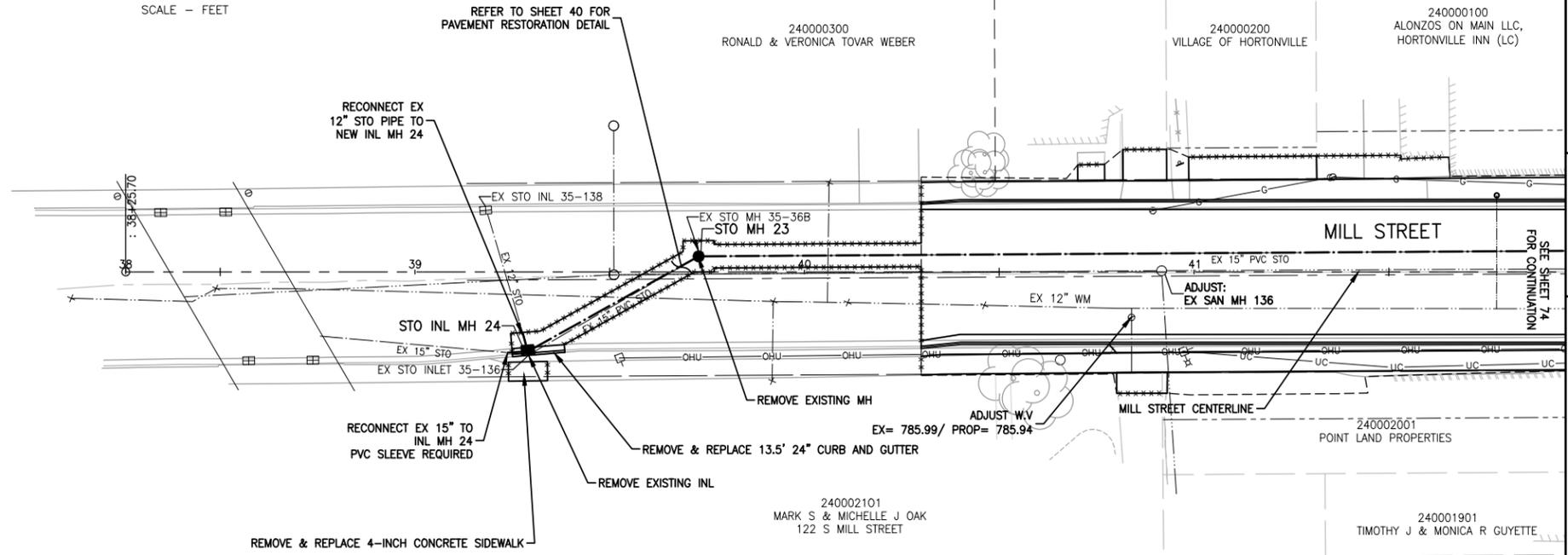
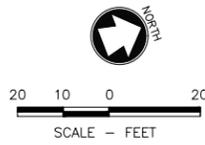
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NO.	DATE	REVISION

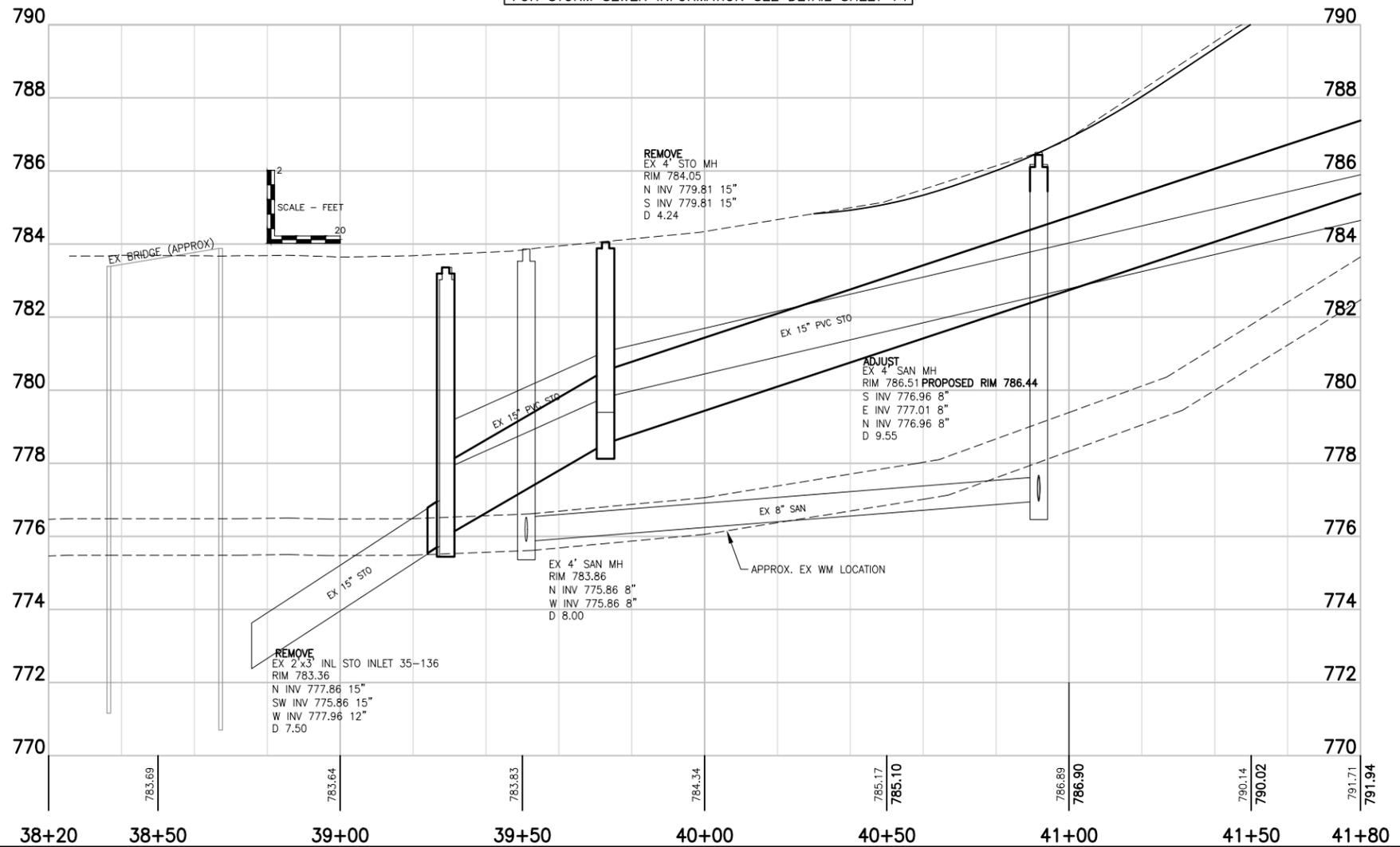
**CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 CTH JJ SANITARY AND WATER DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>76</b>	

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FOR STORM SEWER INFORMATION SEE DETAIL SHEET 71



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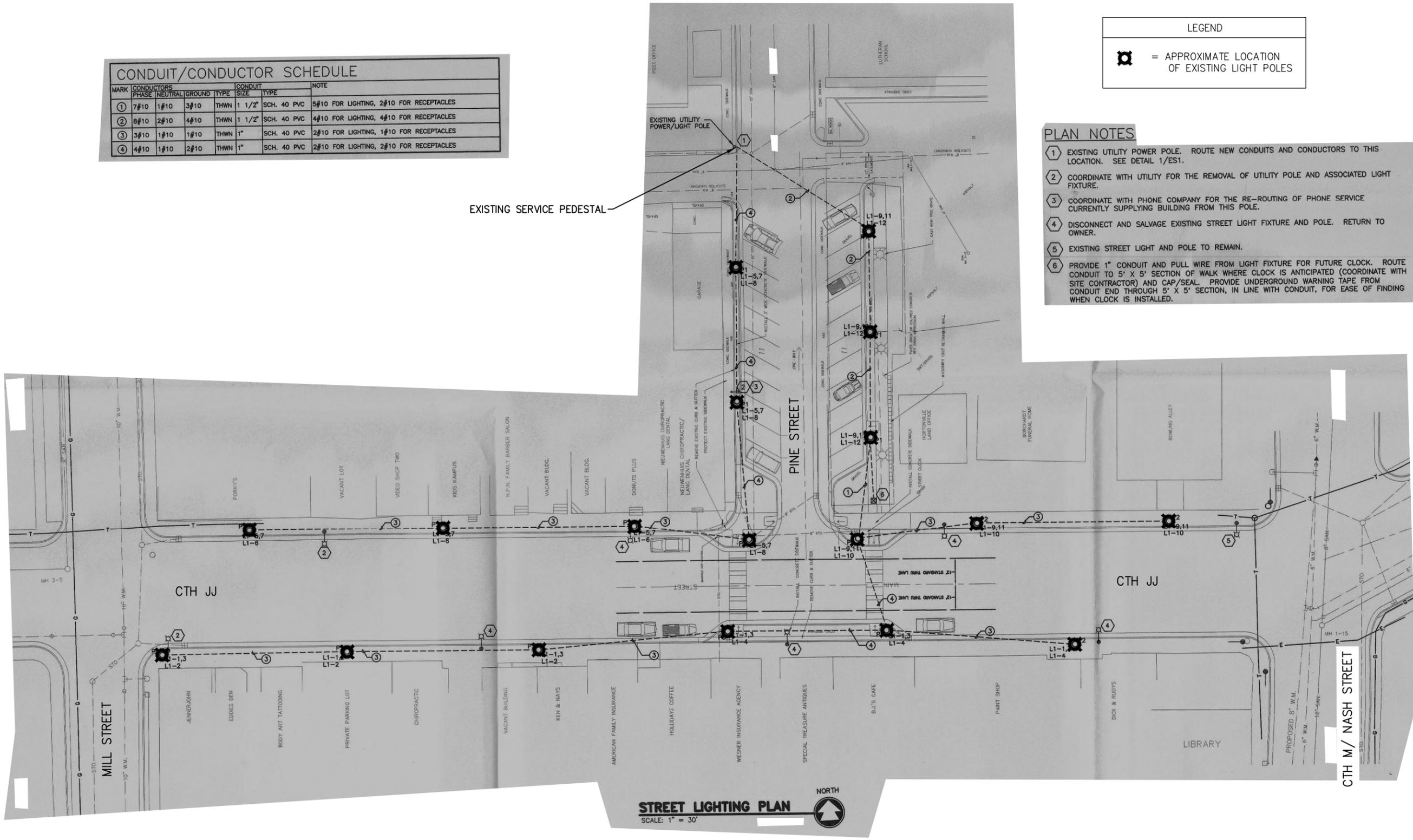
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ SANITARY AND WATER DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>77</b>	

# FOR REMOVAL INFORMATIONAL PURPOSES ONLY

CONDUIT/CONDUCTOR SCHEDULE						
MARK	CONDUCTORS			CONDUIT		NOTE
	PHASE	NEUTRAL	GROUND	TYPE	SIZE	
①	7#10	1#10	3#10	THWN	1 1/2"	SCH. 40 PVC 5#10 FOR LIGHTING, 2#10 FOR RECEPTACLES
②	8#10	2#10	4#10	THWN	1 1/2"	SCH. 40 PVC 4#10 FOR LIGHTING, 4#10 FOR RECEPTACLES
③	3#10	1#10	1#10	THWN	1"	SCH. 40 PVC 2#10 FOR LIGHTING, 1#10 FOR RECEPTACLES
④	4#10	1#10	2#10	THWN	1"	SCH. 40 PVC 2#10 FOR LIGHTING, 2#10 FOR RECEPTACLES



LEGEND

= APPROXIMATE LOCATION OF EXISTING LIGHT POLES

- PLAN NOTES**
- ① EXISTING UTILITY POWER POLE. ROUTE NEW CONDUITS AND CONDUCTORS TO THIS LOCATION. SEE DETAIL 1/ES1.
  - ② COORDINATE WITH UTILITY FOR THE REMOVAL OF UTILITY POLE AND ASSOCIATED LIGHT FIXTURE.
  - ③ COORDINATE WITH PHONE COMPANY FOR THE RE-ROUTING OF PHONE SERVICE CURRENTLY SUPPLYING BUILDING FROM THIS POLE.
  - ④ DISCONNECT AND SALVAGE EXISTING STREET LIGHT FIXTURE AND POLE. RETURN TO OWNER.
  - ⑤ EXISTING STREET LIGHT AND POLE TO REMAIN.
  - ⑥ PROVIDE 1" CONDUIT AND PULL WIRE FROM LIGHT FIXTURE FOR FUTURE CLOCK. ROUTE CONDUIT TO 5' X 5' SECTION OF WALK WHERE CLOCK IS ANTICIPATED (COORDINATE WITH SITE CONTRACTOR) AND CAP/SEAL. PROVIDE UNDERGROUND WARNING TAPE FROM CONDUIT END THROUGH 5' X 5' SECTION, IN LINE WITH CONDUIT, FOR EASE OF FINDING WHEN CLOCK IS INSTALLED.

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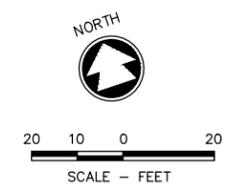
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**PINE STREET EXISTING LIGHTING DETAIL FOR REMOVALS**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	78

I:\projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH\_JJ\_Downtown\CTH\_JJ\_Lighting\_Plan\_54+80.00-xx\_Plot Date: 2/11/2026 9:55 AM\_xref:###



LP1 THRU LP8 ARE  
FUTURE LIGHT POLES

BRIGGS STREET

CTH JJ

LP9 (TYPE A)  
+72  
24.00', LT

LP11 (TYPE A)  
+51  
24.00', LT

PB12  
+38  
24.00', LT

LP10 (TYPE A)  
+63  
24.00', RT

LP12 (TYPE A)  
+34  
24.00', RT

PB13  
+38  
24.00', RT

**LIGHTING PLAN LEGEND**

PROPOSED	EXISTING	
		CONTROL CABINET WITH METER BREAKER PEDESTAL
		LIGHTING PULL BOX, NON-CONDUCTIVE- 24X36-INCH
		CONDUIT- 2" UNLESS OTHERWISE NOTED
		LIGHTING ASSEMBLY, CONCRETE BASE TYPE 5
		RRFB

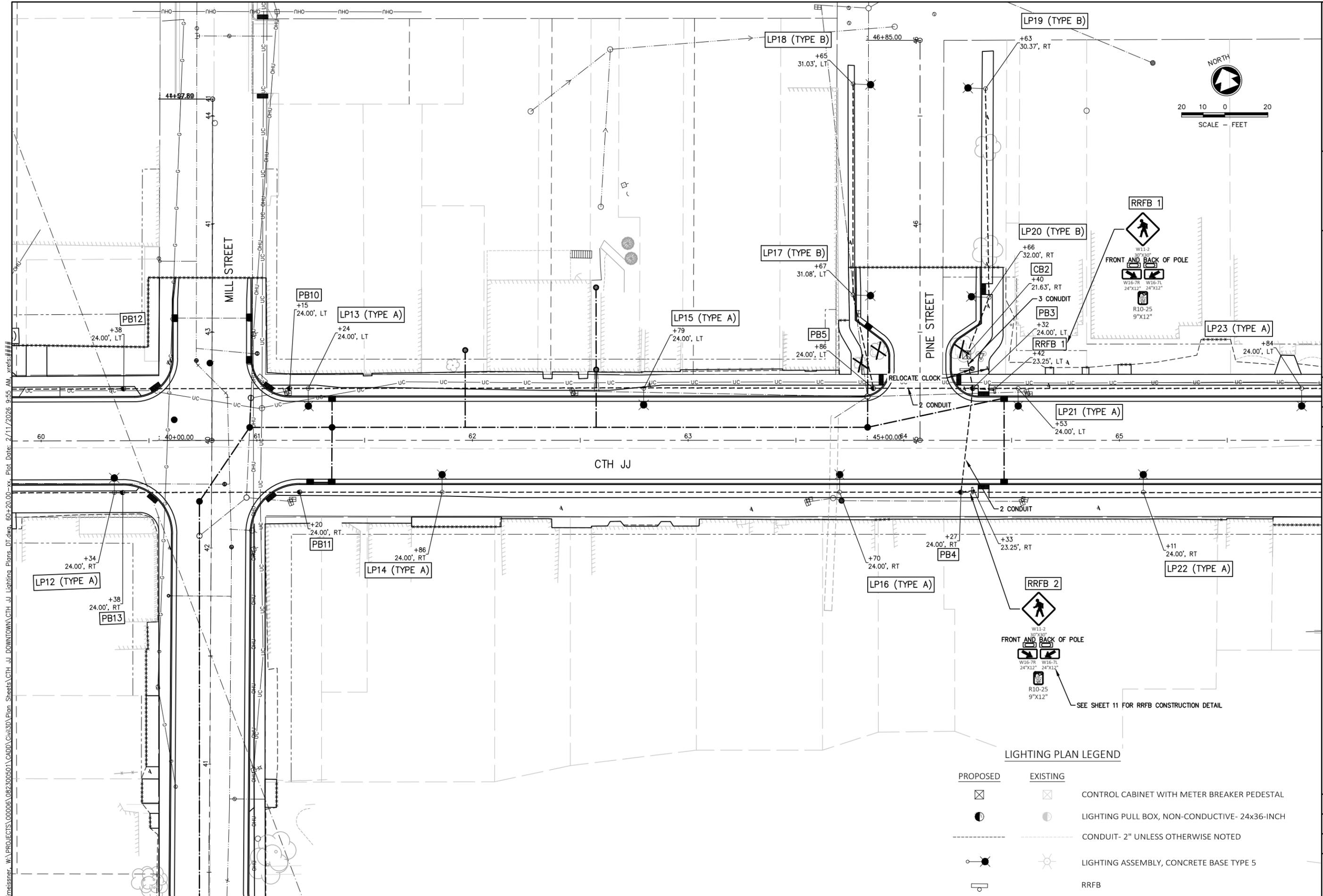
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
LIGHTING DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>79</b>	



W:\PROJECTS\00006\082300501\CADD\Plan\_Sheets\CTH\_JJ\_DOWNTOWN\CTH\_JJ\_Lighting\_Plans\_DT.dwg, 60+20.00, Plot Date: 2/11/2026 9:55 AM, refs:###

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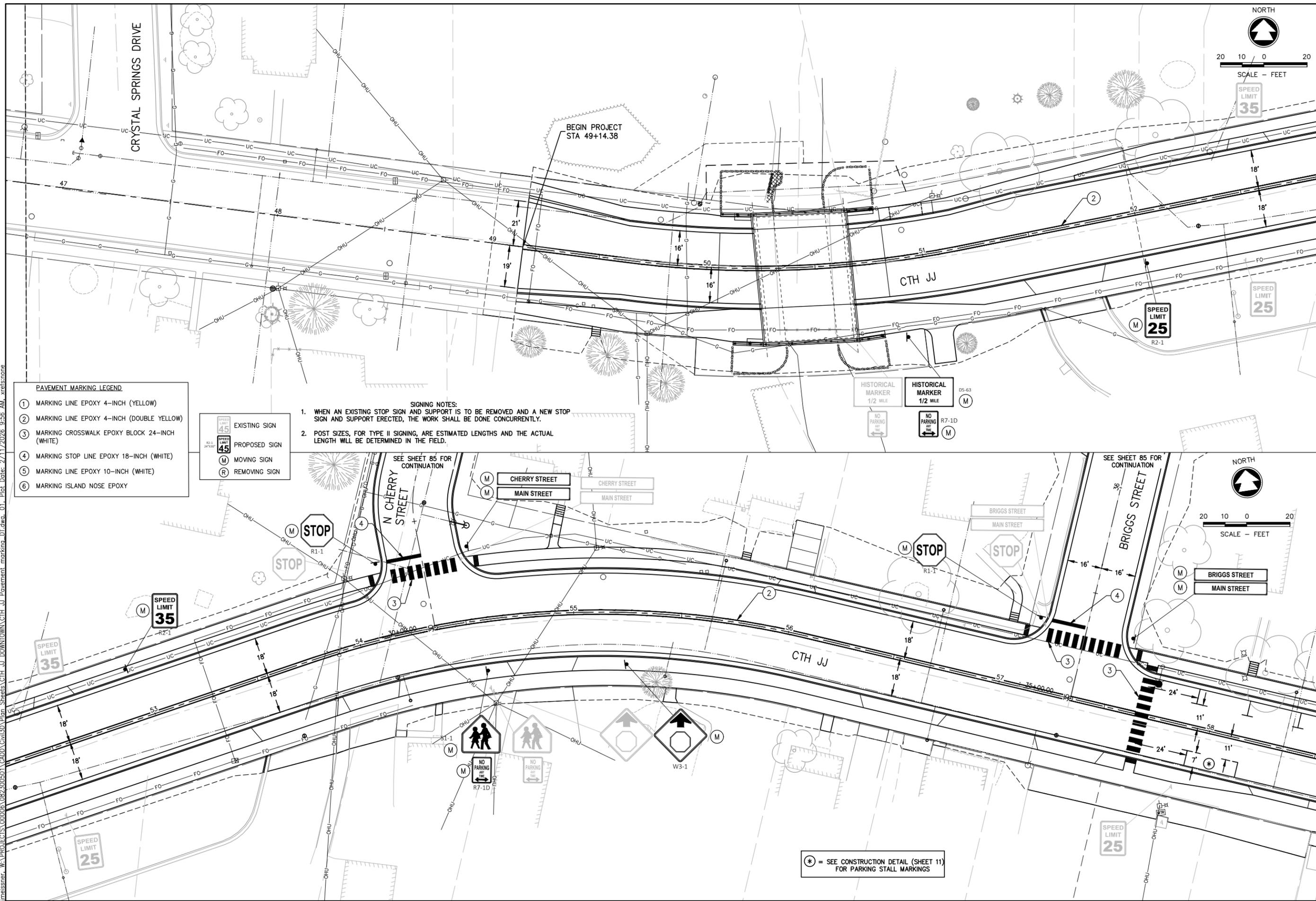
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION, WI**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**LIGHTING DETAILS**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	<b>80</b>



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**PAVEMENT MARKING LEGEND**

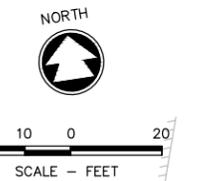
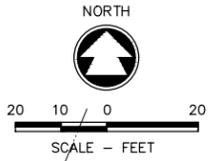
①	MARKING LINE EPOXY 4-INCH (YELLOW)
②	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
③	MARKING CROSSWALK EPOXY BLOCK 24-INCH (WHITE)
④	MARKING STOP LINE EPOXY 18-INCH (WHITE)
⑤	MARKING LINE EPOXY 10-INCH (WHITE)
⑥	MARKING ISLAND NOSE EPOXY

	EXISTING SIGN
	PROPOSED SIGN
	MOVING SIGN
	REMOVING SIGN

**SIGNING NOTES:**

1. WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY.
2. POST SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

⊛ = SEE CONSTRUCTION DETAIL (SHEET 11) FOR PARKING STALL MARKINGS

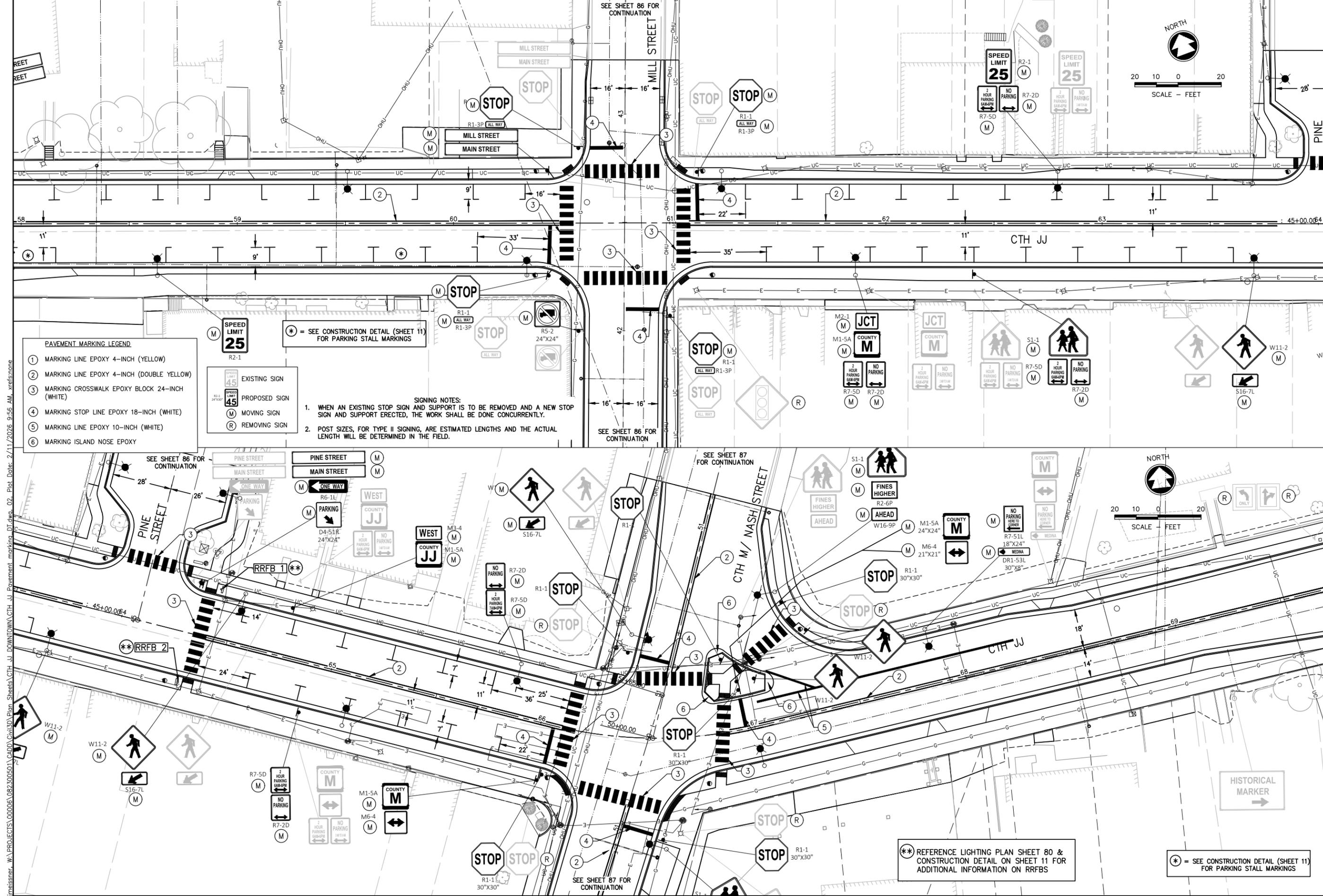


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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**SIGNING & PAVEMENT MARKING**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>82</b>	



W:\PROJECTS\000061\082300501\CADD\CH30\Plan Sheets\CTH JJ DOWNTOWN\CTH JJ Pavement marking.DWG, 02, Plot Date: 2/11/2026 9:56 AM, xref:signing

- PAVEMENT MARKING LEGEND**
- ① MARKING LINE EPOXY 4-INCH (YELLOW)
  - ② MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
  - ③ MARKING CROSSWALK EPOXY BLOCK 24-INCH (WHITE)
  - ④ MARKING STOP LINE EPOXY 18-INCH (WHITE)
  - ⑤ MARKING LINE EPOXY 10-INCH (WHITE)
  - ⑥ MARKING ISLAND NOSE EPOXY

- SIGNING NOTES:**
1. WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY.
  2. POST SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

⊛ = SEE CONSTRUCTION DETAIL (SHEET 11) FOR PARKING STALL MARKINGS

⊛⊛ REFERENCE LIGHTING PLAN SHEET 80 & CONSTRUCTION DETAIL ON SHEET 11 FOR ADDITIONAL INFORMATION ON RRFBs

⊛ = SEE CONSTRUCTION DETAIL (SHEET 11) FOR PARKING STALL MARKINGS

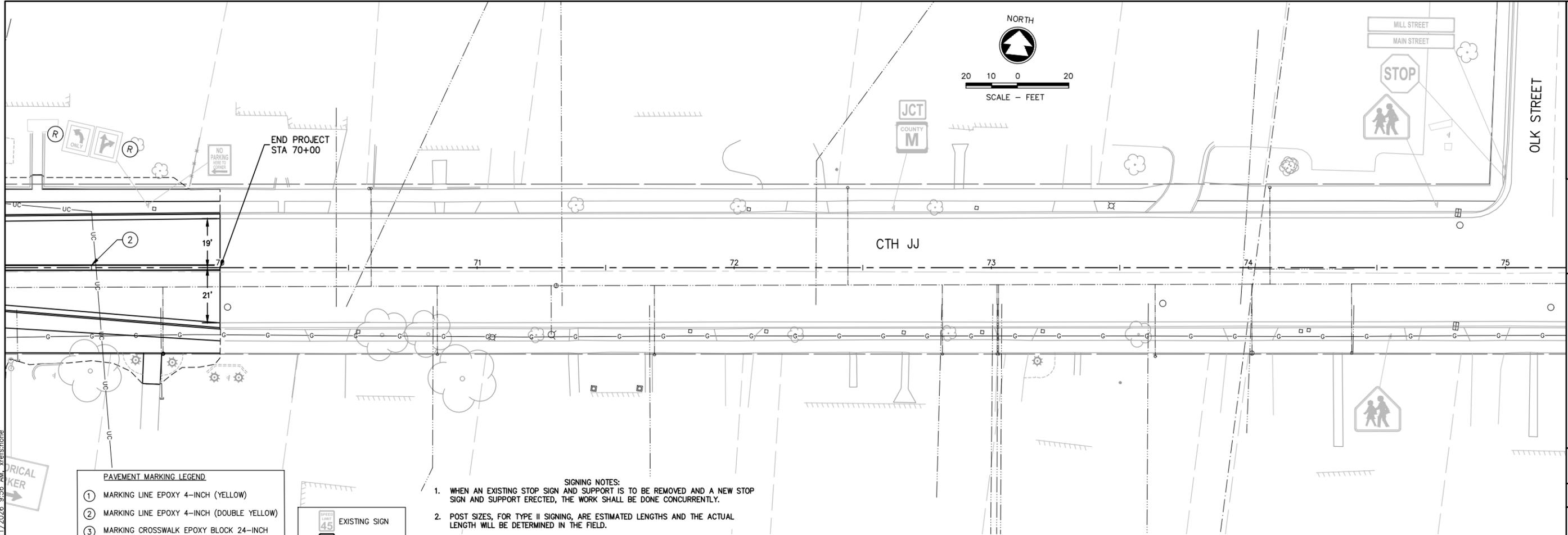
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**SIGNING & PAVEMENT MARKING**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>83</b>	

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**PAVEMENT MARKING LEGEND**

- ① MARKING LINE EPOXY 4-INCH (YELLOW)
- ② MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- ③ MARKING CROSSWALK EPOXY BLOCK 24-INCH (WHITE)
- ④ MARKING STOP LINE EPOXY 18-INCH (WHITE)
- ⑤ MARKING LINE EPOXY 10-INCH (WHITE)
- ⑥ MARKING ISLAND NOSE EPOXY

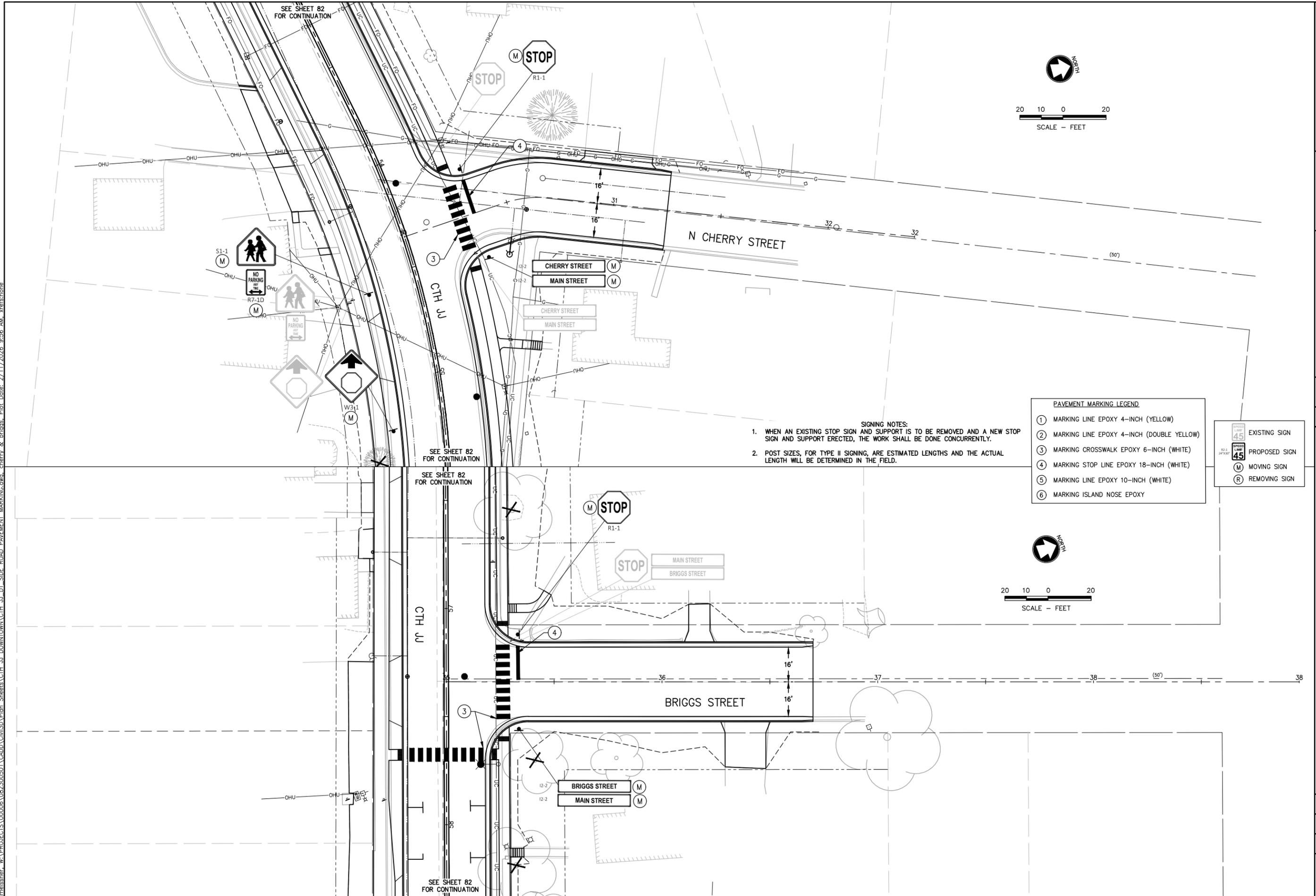
	EXISTING SIGN
	PROPOSED SIGN
	MOVING SIGN
	REMOVING SIGN

- SIGNING NOTES:**
1. WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY.
  2. POST SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

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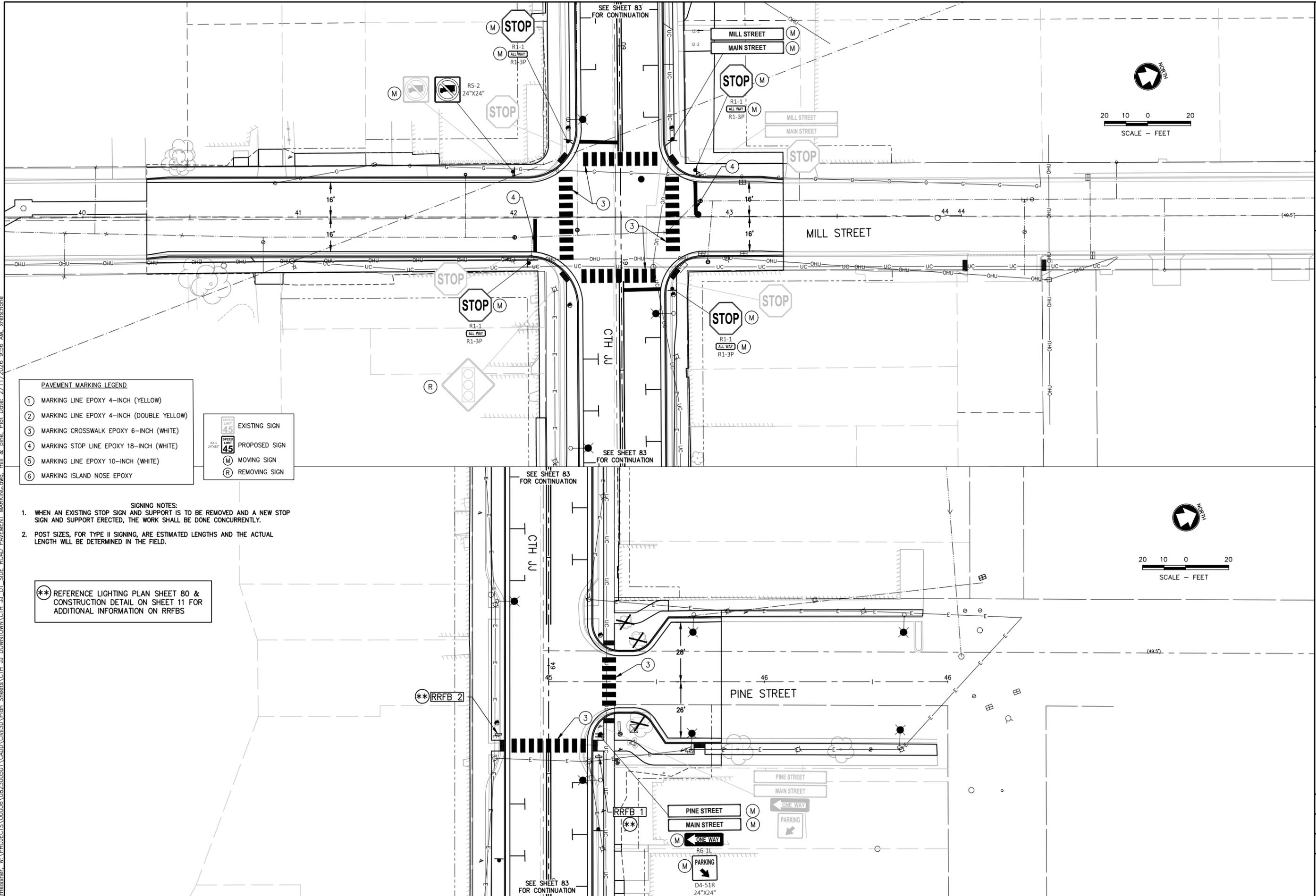
DESIGNED: -  
DRAWN: -  
PROJECT NO.: 00006 08-23-00501  
DATE: 2026  
SHEET NO.: **84**

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NO.	DATE	REVISION

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**PAVEMENT MARKING LEGEND**

①	MARKING LINE EPOXY 4-INCH (YELLOW)
②	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
③	MARKING CROSSWALK EPOXY 6-INCH (WHITE)
④	MARKING STOP LINE EPOXY 18-INCH (WHITE)
⑤	MARKING LINE EPOXY 10-INCH (WHITE)
⑥	MARKING ISLAND NOSE EPOXY

	EXISTING SIGN
	PROPOSED SIGN
	MOVING SIGN
	REMOVING SIGN

- SIGNING NOTES:**
1. WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY.
  2. POST SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

**\*\*** REFERENCE LIGHTING PLAN SHEET 80 & CONSTRUCTION DETAIL ON SHEET 11 FOR ADDITIONAL INFORMATION ON RRFBS

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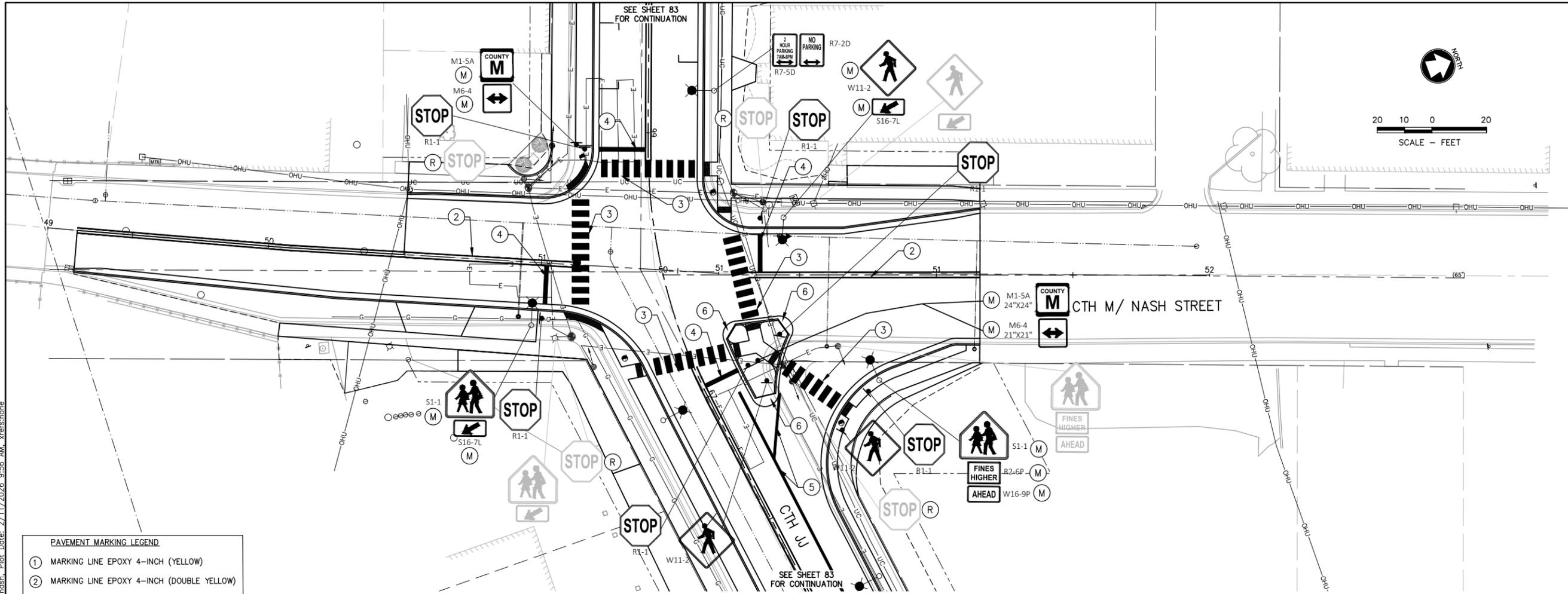
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**SIGNING & PAVEMENT MARKING**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>86</b>	

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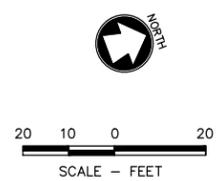


**PAVEMENT MARKING LEGEND**

①	MARKING LINE EPOXY 4-INCH (YELLOW)
②	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
③	MARKING CROSSWALK EPOXY 6-INCH (WHITE)
④	MARKING STOP LINE EPOXY 18-INCH (WHITE)
⑤	MARKING LINE EPOXY 10-INCH (WHITE)
⑥	MARKING ISLAND NOSE EPOXY

	EXISTING SIGN
	PROPOSED SIGN
	MOVING SIGN
	REMOVING SIGN

- SIGNING NOTES:**
1. WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERRECTED, THE WORK SHALL BE DONE CONCURRENTLY.
  2. POST SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 SIGNING & PAVEMENT MARKING**

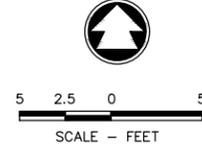
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>87</b>	

**LEGEND**

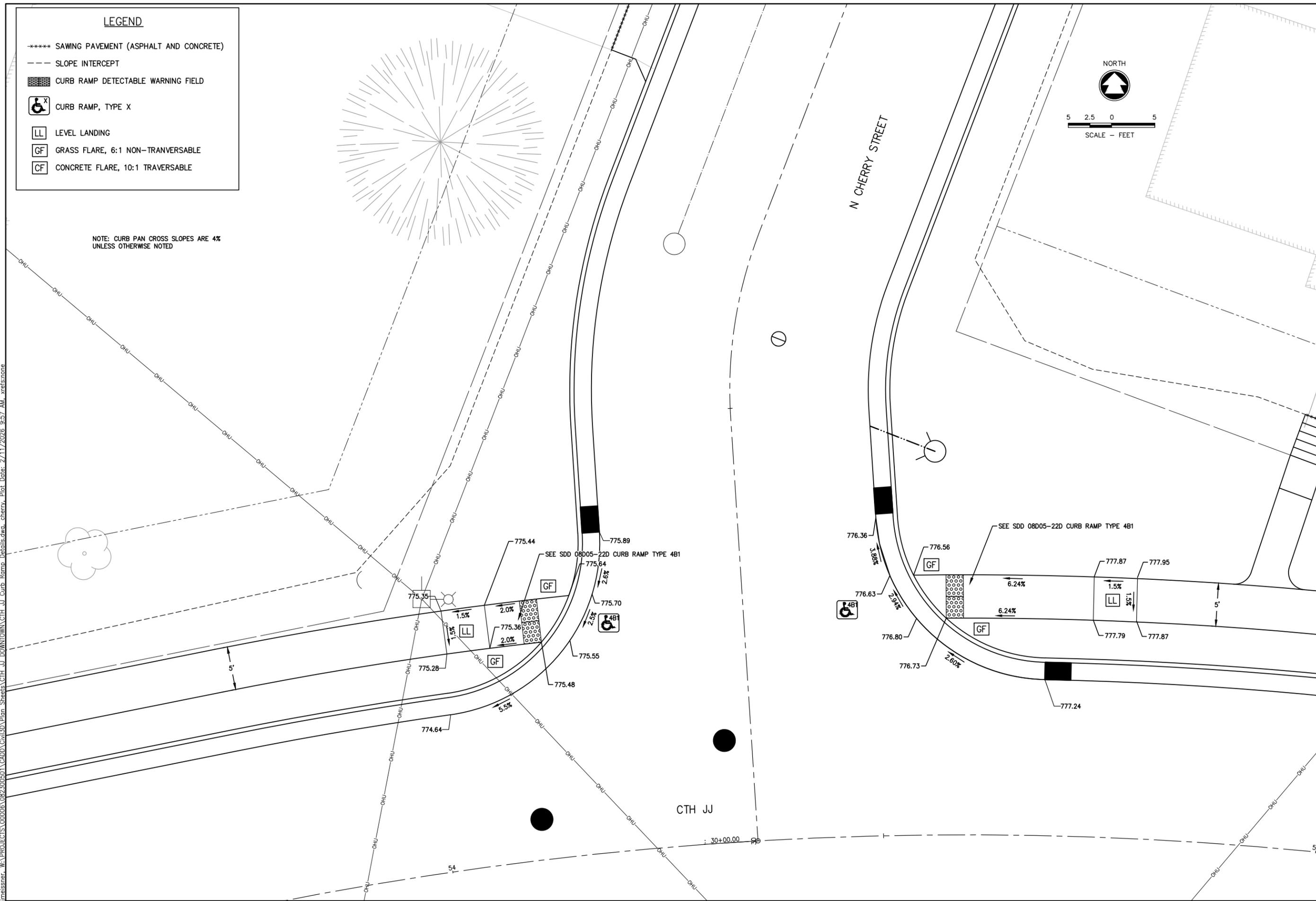
- SAWING PAVEMENT (ASPHALT AND CONCRETE)
- - - - SLOPE INTERCEPT
-  CURB RAMP DETECTABLE WARNING FIELD
-  CURB RAMP, TYPE X
-  LEVEL LANDING
-  GRASS FLARE, 6:1 NON-TRANSVERSABLE
-  CONCRETE FLARE, 10:1 TRAVERSABLE

NOTE: CURB PAN CROSS SLOPES ARE 4% UNLESS OTHERWISE NOTED

NORTH



I:\missner\_w\PROJECTS\00006\082300501\CADD\Civil\3D\Plan\_Sheets\CTH JJ\_Downtown\CTH JJ\_Curb\_Ramp\_Details.dwg, cherry, Plot Date: 2/11/2026 9:57 AM, xref:stnone



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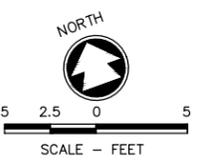
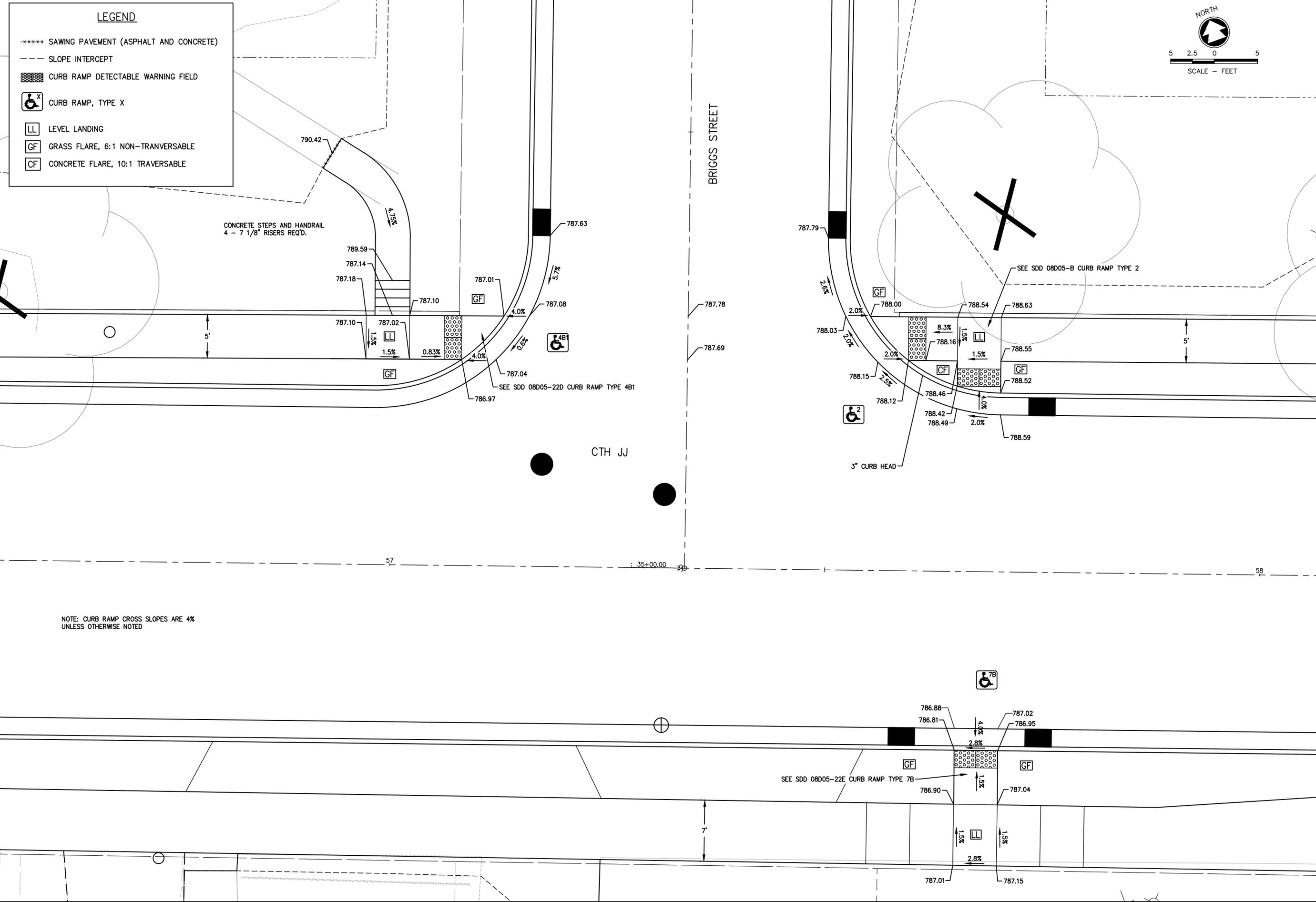
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CHERRY STREET CURB RAMP DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>88</b>	

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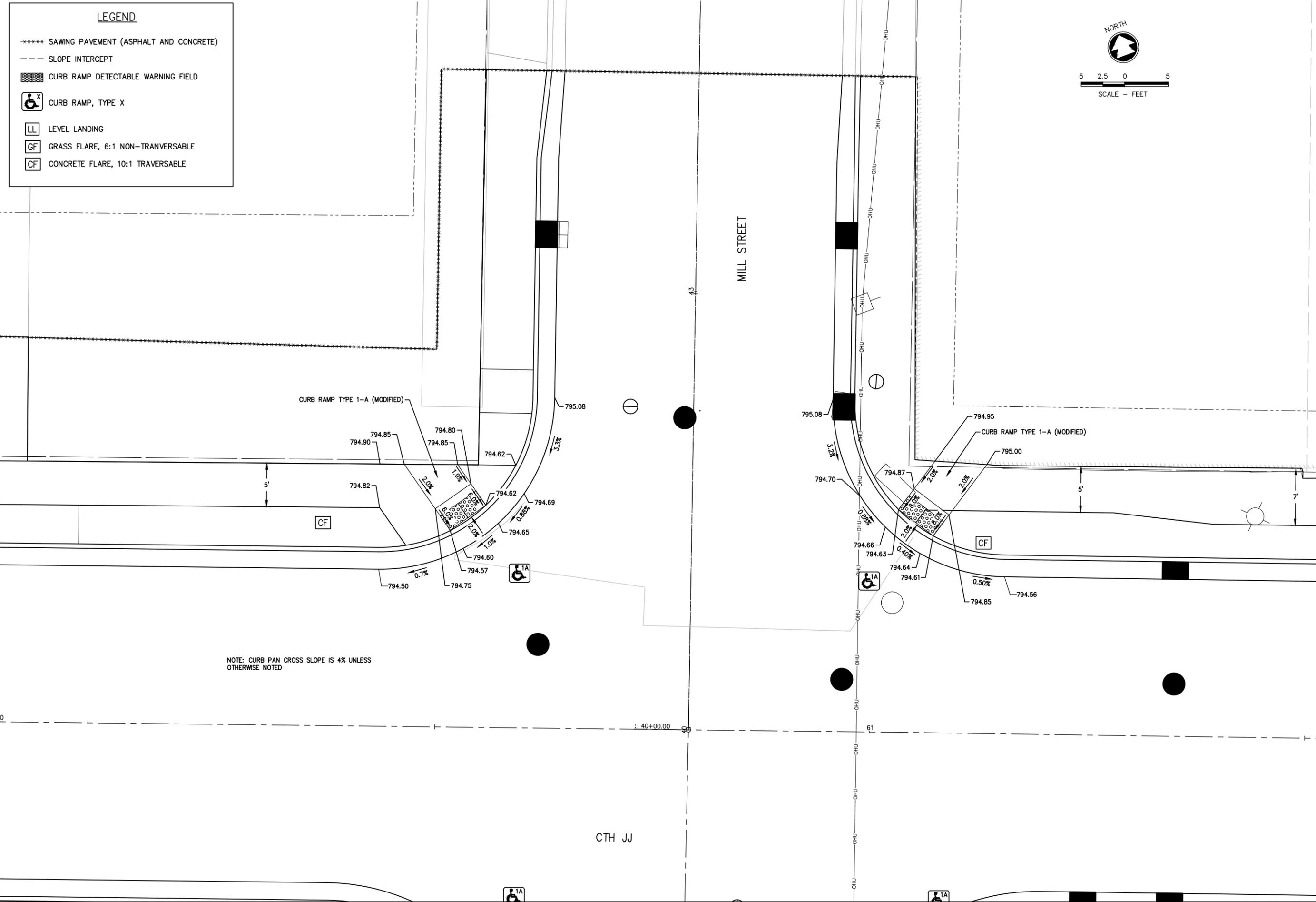
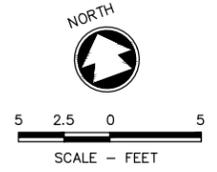
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**BRIGGS STREET CURB RAMP DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>89</b>	

I:\Projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH JJ\_Downtown\CTH JJ\_Curb Ramp\_Details.dwg, n. mill. Plot Date: 2/11/2026 9:57 AM, xref:stone

**LEGEND**

- SAWING PAVEMENT (ASPHALT AND CONCRETE)
- SLOPE INTERCEPT
-  CURB RAMP DETECTABLE WARNING FIELD
-  CURB RAMP, TYPE X
-  LEVEL LANDING
-  GRASS FLARE, 6:1 NON-TRANSVERSABLE
-  CONCRETE FLARE, 10:1 TRAVERSABLE



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 MILL STREET CURB RAMP DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>90</b>	

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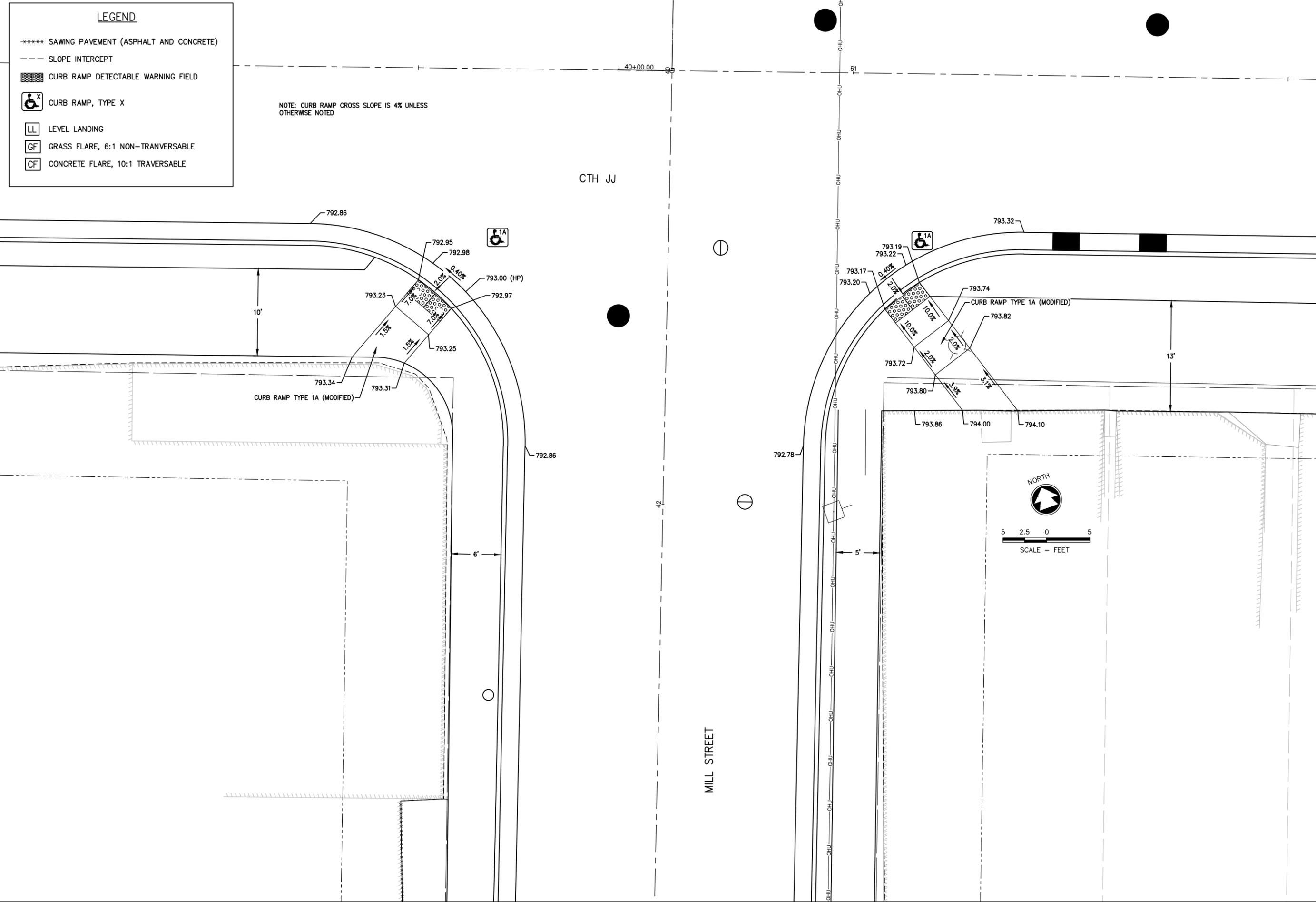
**LEGEND**

- SAWING PAVEMENT (ASPHALT AND CONCRETE)
- - - - - SLOPE INTERCEPT
-  CURB RAMP DETECTABLE WARNING FIELD
-  CURB RAMP, TYPE X
-  LEVEL LANDING
-  GRASS FLARE, 6:1 NON-TRANSVERSABLE
-  CONCRETE FLARE, 10:1 TRAVERSABLE

NOTE: CURB RAMP CROSS SLOPE IS 4% UNLESS OTHERWISE NOTED

CTH JJ

MILL STREET



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NO.	DATE	REVISION

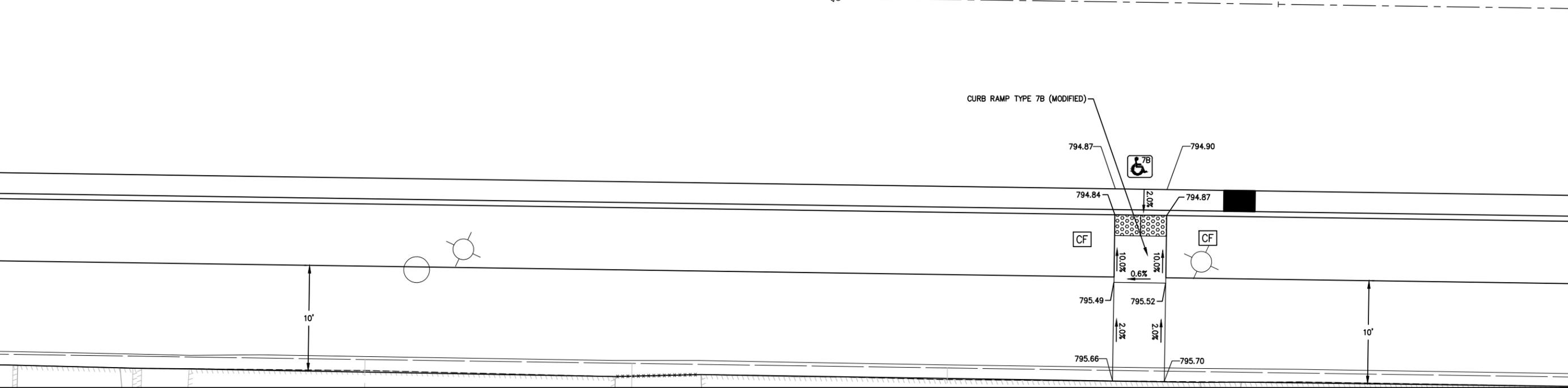
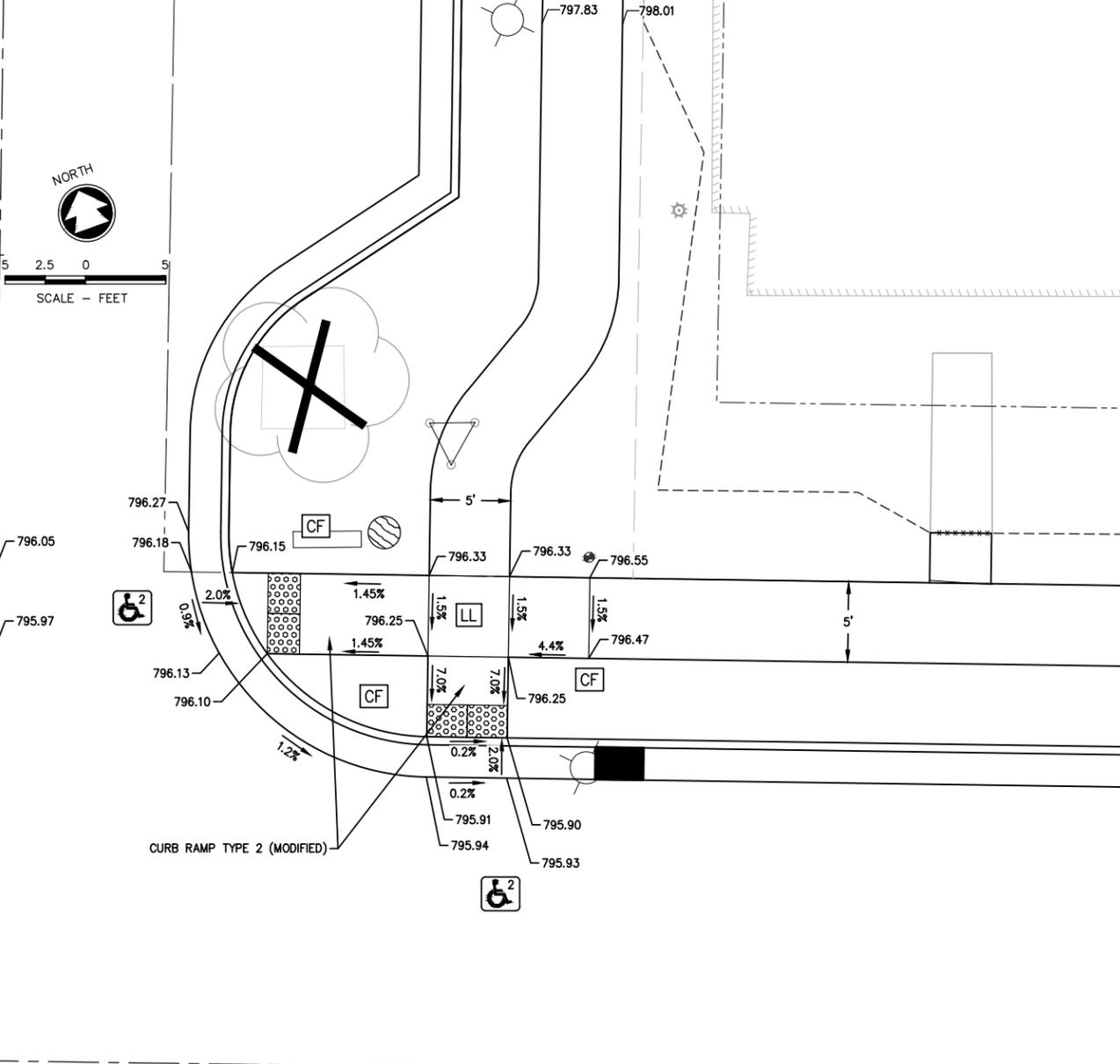
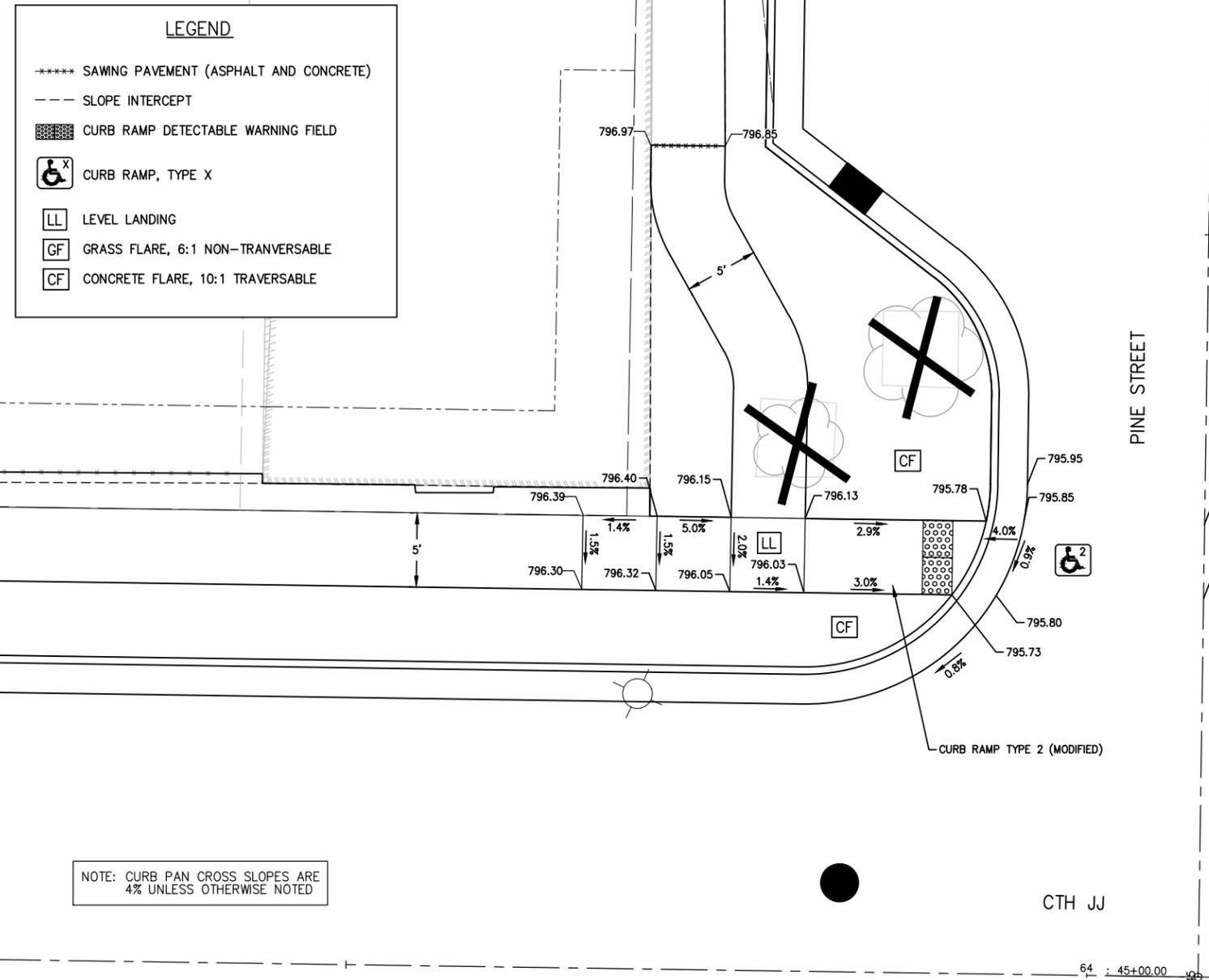
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**MILL STREET CURB RAMP DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>91</b>	

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**LEGEND**

- SAWING PAVEMENT (ASPHALT AND CONCRETE)
- - - - SLOPE INTERCEPT
-  CURB RAMP DETECTABLE WARNING FIELD
-  CURB RAMP, TYPE X
-  LEVEL LANDING
-  GRASS FLARE, 6:1 NON-TRANVERSABLE
-  CONCRETE FLARE, 10:1 TRAVERSABLE



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NO.	DATE	REVISION

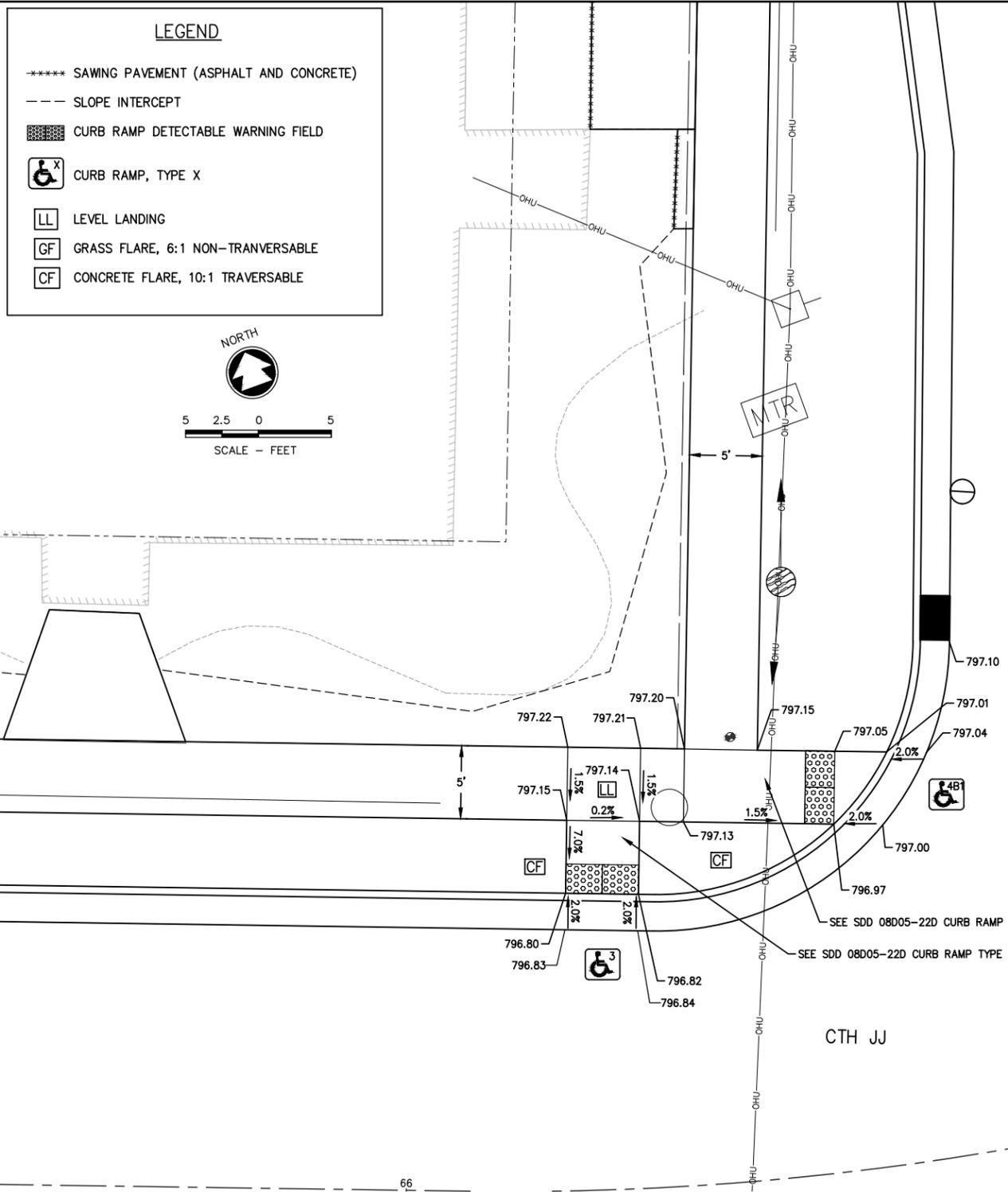
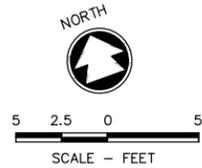
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**PINE STREET CURB RAMP DETAILS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>92</b>	

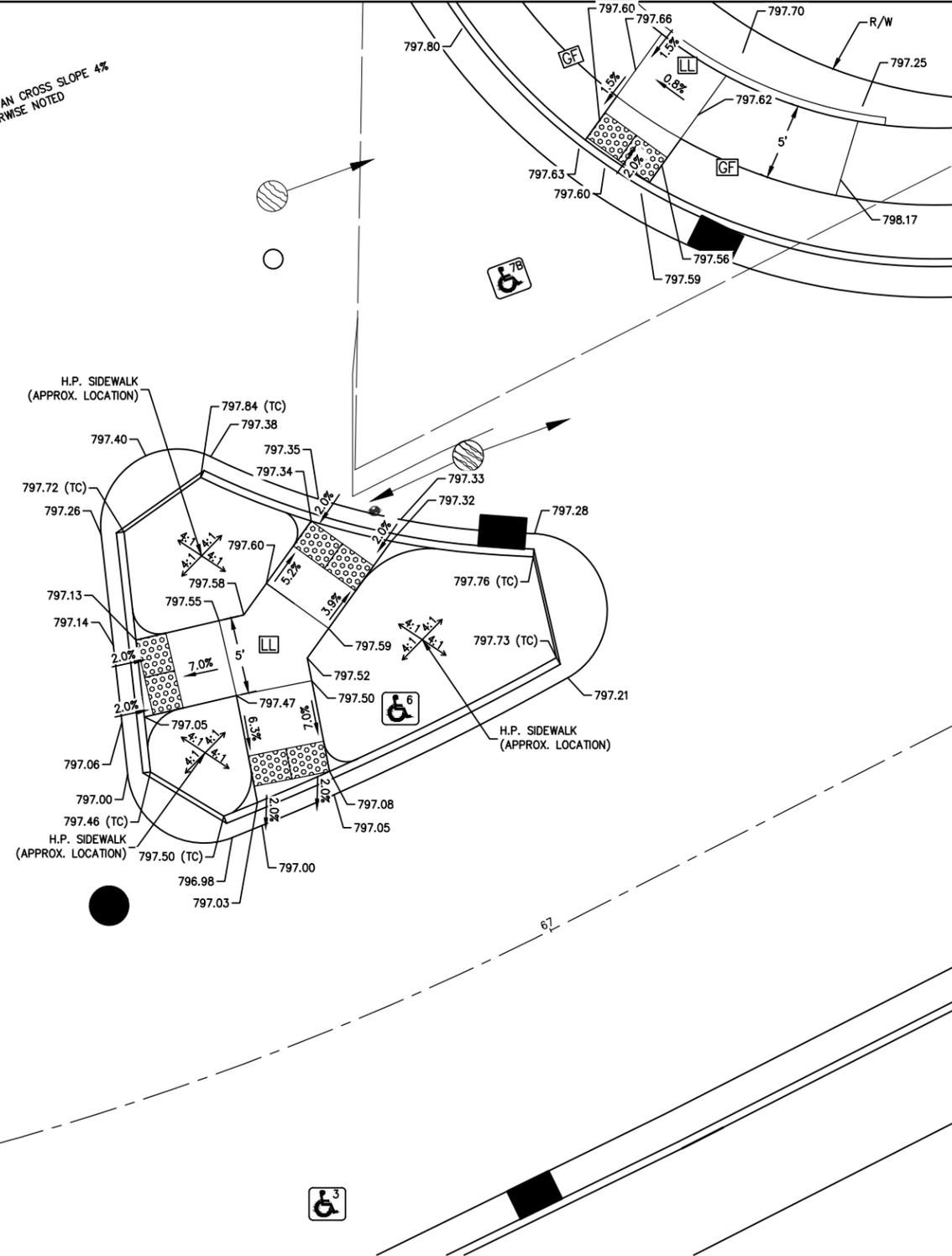
I:\Projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH\_JJ\_Downtown\CTH\_JJ\_Curb\_Ramp\_Details.dwg, n\_nash.mw, Plot Date: 2/11/2026 9:57 AM, xref:none

**LEGEND**

- SAWING PAVEMENT (ASPHALT AND CONCRETE)
- - - - SLOPE INTERCEPT
- [Pattern] CURB RAMP DETECTABLE WARNING FIELD
- [Symbol] CURB RAMP, TYPE X
- [LL] LEVEL LANDING
- [GF] GRASS FLARE, 6:1 NON-TRANSVERSABLE
- [CF] CONCRETE FLARE, 10:1 TRAVERSABLE



NOTE: CURB PAN CROSS SLOPE 4% UNLESS OTHERWISE NOTED



**McMAHON**

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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH M- NASH STREET CURB RAMP DETAILS**

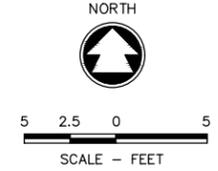
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>93</b>	

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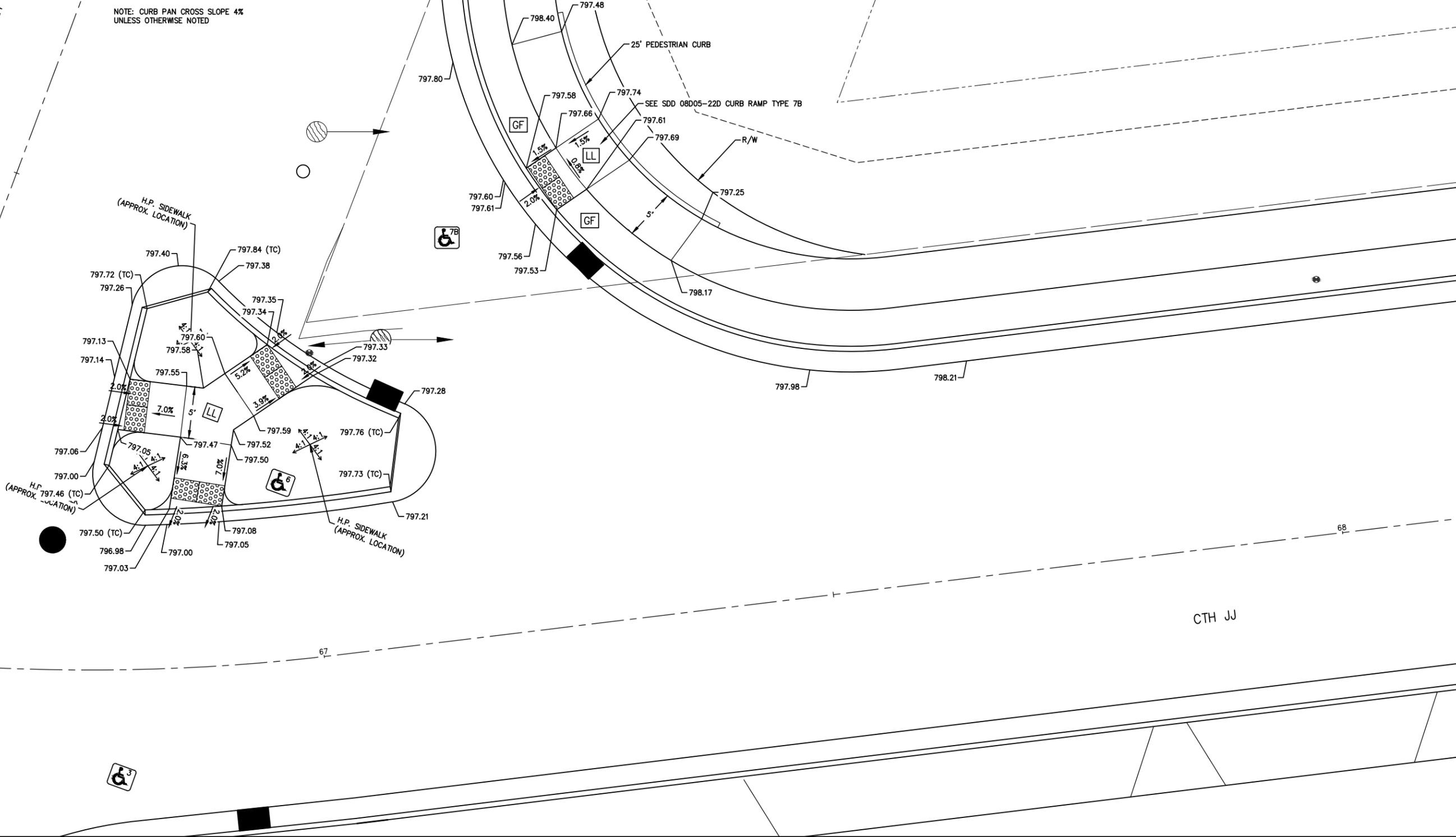
**LEGEND**

- SAWING PAVEMENT (ASPHALT AND CONCRETE)
- - - - - SLOPE INTERCEPT
-  CURB RAMP DETECTABLE WARNING FIELD
-  CURB RAMP, TYPE X
-  LEVEL LANDING
-  GRASS FLARE, 6:1 NON-TRANSVERSABLE
-  CONCRETE FLARE, 10:1 TRAVERSABLE

NOTE: CURB PAN CROSS SLOPE 4% UNLESS OTHERWISE NOTED



CTH M/ NASH STREET



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NO.	DATE	REVISION

**CTH JJ (OLD 5TH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH M- NASH STREET CURB RAMP DETAILS**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	94



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**CLEARING AND GRUBBING**

STATION	LOCATION	201.0120		REMARKS
		CLEARING ID	GRUBBING ID	
49+23 RT	CTH JJ	15	15	
49+60 RT.	CTH JJ	20	20	
51+13 RT.	CTH JJ	10	10	
51+42 LT.	CTH JJ	36	36	
52+17 LT.	CTH JJ	36	36	
55+39 RT.	CTH JJ	15	15	
56+05 LT.	CTH JJ	-	48	STUMP
56+54 LT.	CTH JJ	36	36	
57+70 LT	CTH JJ	30	30	
58+19 LT.	CTH JJ	36	36	
59+01 RT.	CTH JJ	4	4	
69+67 RT.	CTH JJ	4	4	
69+81 RT.	CTH JJ	4	4	
45+36 LT.	PINE ST	-	5	
45+42 LT.	PINE ST	-	8	
45+42 RT.	PINE ST	-	12	
45+88 RT.	PINE ST	-	14	
46+35 RT.	PINE ST	-	12	
<b>PROJECT TOTALS</b>		<b>246.0</b>	<b>345.0</b>	

**REMOVING CONCRETE PAVEMENT**

204.0100

STATION TO STATION	LOCATION	S.Y.
51+63 RT.	CTH JJ	39.2
53+57 RT.	CTH JJ	42.2
54+00 RT.	CTH JJ	13.1
54+88 RT.	CTH JJ	40.2
56+00 LT.	CTH JJ	45.2
56+50 RT.	CTH JJ	19.4
57+77 RT.	CTH JJ	9.6
58+50 RT.	CTH JJ	10.6
59+00 LT.	CTH JJ	6.6
59+97 LT.	CTH JJ	11.9
62+00 RT.	CTH JJ	20.8
65+44 LT.	CTH JJ	15.8
66+92 RT.	CTH JJ	23.1
67+50 RT.	CTH JJ	117.8
67+95 RT.	CTH JJ	16.7
68+56 LT.	CTH JJ	23.4
68+89 RT.	CTH JJ	19.6
36+19 LT.	BRIGGS ST	21.1
36+40 RT.	BRIGGS ST	46.8
40+88 LT.	MILL ST	7.3
41+08 RT.	MILL ST	39.1
41+27 LT.	MILL ST	20.4
50+38 RT.	CTH M/ S. NASH ST	53
50+63 RT.	CTH M/ S. NASH ST	10.8
<b>PROJECT TOTAL</b>		<b>674</b>

**REMOVING CURB**

204.0130

STATION	LOCATION	L.F.	REMARKS
68+74 RT.	CTH JJ	10	
69+66 RT.	CTH JJ	15	LANDSCAPE CURB
69+82 RT.	CTH JJ	15	LANDSCAPE CURB
<b>PROJECT TOTALS</b>		<b>40</b>	

**REMOVING CONCRETE SIDEWALK**

204.0155

STATION TO STATION	LOCATION	S.Y.
49+14.38 - 50+08 RT.	CTH JJ	58
50+81 - 60+75 RT.	CTH JJ	487
60+75 - 66+50 RT.	CTH JJ	542
66+50 - 70+00 RT.	CTH JJ	144
49+14.38 - 50+08 LT.	CTH JJ	65
50+81 - 54+25 LT.	CTH JJ	174
54+25 - 57+50 LT.	CTH JJ	159
57+50 - 60+75 LT.	CTH JJ	164
60+75 - 64+00 LT.	CTH JJ	284
64+00 - 66+50 LT.	CTH JJ	185
66+50 - 70+00 LT.	CTH JJ	200
32+30 RT.	MILL ST	6
40+30-42+23 RT.	MILL ST	90
40+30 - 42+23 LT.	MILL ST	92
42+70 - 43+25 RT.	MILL ST	33
42+70 - 43+25 LT.	MILL ST	32
45+15 - 46+85 RT.	PINE ST	143
45+15 - 46+85 LT.	PINE ST	86
50+00 - 51+18 RT.	CTH M/ S. NASH ST	58
50+50 - 51+18 LT.	CTH M/ S. NASH ST	47
50+26 - 51+16 RT.	CTH M/ N. NASH ST	47
50+26 - 51+16 LT.	CTH M/ N. NASH ST	73
<b>UNDISTRIBUTED</b>		<b>50</b>
<b>PROJECT TOTALS</b>		<b>3,219</b>

**REMOVING CURB AND GUTTER**

204.0150

STATION TO STATION	LOCATION	L.F.	REMARKS
49+14.38 - 50+08 RT.	CTH JJ	96	
50+81 - 70+00 RT.	CTH JJ	1800	
51+50 RT.	CTH JJ	8	24" CURB AND GUTTER
51+89 RT.	CTH JJ	8	24" CURB AND GUTTER
53+41 RT.	CTH JJ	10	24" CURB AND GUTTER
49+14.38 - 50+08 LT.	CTH JJ	95	
50+81 - 70+00 LT.	CTH JJ	1595	
30+15 - 31+25 RT.	CHERRY ST	115	
30+15 - 31+25 LT.	CHERRY ST	130	
35+18 - 36+70 RT.	BRIGGS ST	160	
35+18 - 36+70 LT.	BRIGGS ST	160	
39+32 RT.	MILL ST	15	
40+30 - 42+24 RT.	MILL ST	200	
40+30 - 42+24 LT.	MILL ST	200	
42+70 - 43+25 RT.	MILL ST	65	
42+70 - 43+25 LT.	MILL ST	65	
45+15 - 45+80 RT.	PINE ST	80	
45+15 - 45+80 LT.	PINE ST	77	
49+30 - 51+18 RT.	CTH M/ S. NASH ST	200	
50+50 - 51+18 LT.	CTH M/ S. NASH ST	70	
50+26 - 51+16 RT.	CTH M/ N. NASH ST	90	
50+26 - 51+16 LT.	CTH M/ N. NASH ST	105	
<b>UNDISTRIBUTED</b>		<b>50</b>	
<b>PROJECT TOTALS</b>		<b>5,394</b>	

**REMOVING CONCRETE MASONRY**

204.0185

STATION TO STATION	LOCATION	C.Y.	REMARKS
56+05 - 57+17 LT.	CTH JJ	4.1	STONE RET. WALL
58+10 - 58+15 LT.	CTH JJ	1.8	BRICK COLUMNS (2)
58+94 - 59+05 LT.	CTH JJ	0.4	CONCRETE RET. WALL
59+66 LT.	CTH JJ	4.9	SIGN CONCRETE BASE
<b>PROJECT TOTALS</b>		<b>11.2</b>	



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>96</b>	

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**REMOVING CONCRETE BASES**  
204.0195

STATION	LOCATION	EACH	REMARKS
61+10 RT.	CTH JJ	1	
61+44 LT.	CTH JJ	1	
61+91 RT.	CTH JJ	1	
62+28 LT.	CTH JJ	1	
62+82 RT.	CTH JJ	1	
63+22 LT.	CTH JJ	1	
63+72 LT./ RT.	CTH JJ	2	
64+45 LT./ RT.	CTH JJ	2	
64+85 LT.	CTH JJ	1	
65+32 RT.	CTH JJ	1	
65+76 LT.	CTH JJ	1	
66+05 LT./ RT.	CTH JJ	2	
66+75 RT.	CTH JJ	1	
67+09 LT.	CTH JJ	1	
69+72 LT.	CTH JJ	1	
45+32 RT.	PINE STREET	1	CLOCK BASE
45+65 RT.	PINE STREET	1	
45+83 LT.	PINE STREET	1	
46+15 RT.	PINE STREET	1	
46+46 LT.	PINE STREET	1	
46+63 RT.	PINE STREET	1	
50+92 LT.	CTH M/ S. NASH ST	1	
51+06 RT.	CTH M/ S. NASH ST	1	
50+40 LT./ RT.	CTH M/ N. NASH ST	2	
50+45 LT	CTH M/ N. NASH ST	1	CONTROL CABINET
50+64 RT.	CTH M/ N. NASH ST	1	
PROJECT TOTALS		30	

**REMOVING MANHOLES AND INLETS**

STATION	LOCATION	204.0210	204.0220
		REMOVING MANHOLES EACH	REMOVING INLETS EACH
50+04 RT.	CTH JJ	-	1
50+11 LT.	CTH JJ	-	1
52+12 LT.	CTH JJ	-	1
52+12 RT.	CTH JJ	-	1
52+40 LT.	CTH JJ	1	-
54+03 LT.	CTH JJ	-	1
54+32 LT.	CTH JJ	1	-
54+36 RT.	CTH JJ	-	1
54+67 LT.	CTH JJ	-	1
55+17 LT.	CTH JJ	1	-
57+17 LT.	CTH JJ	1	-
57+27 RT.	CTH JJ	-	1
57+69 LT.	CTH JJ	-	1
60+95 RT.	CTH JJ	1	-
60+97 LT.	CTH JJ	1	-
61+14 LT.	CTH JJ	-	1
61+17 RT.	CTH JJ	-	1
62+47 LT.	CTH JJ	-	1
63+56 RT.	CTH JJ	-	1
63+71 RT.	CTH JJ	-	1
63+83 LT.	CTH JJ	1	-
64+56 RT.	CTH JJ	-	1
64+58 LT.	CTH JJ	-	1
66+73 LT.	CTH JJ	1	-
66+74 RT.	CTH JJ	-	1
67+08 LT.	CTH JJ	-	1
68+74 RT.	CTH JJ	-	1
68+76 LT.	CTH JJ	1	1
30+67 LT.	CHERRY ST	1	-
30+69 RT.	CHERRY ST	-	1
35+38 RT.	BRIGGS ST	-	1
35+37 LT.	BRIGGS ST	-	1
39+29 RT.	MILL ST	-	1
39+73 LT.	MILL ST	1	-
42+05 LT.	MILL ST	1	-
45+58 LT.	PINE ST	-	1
50+33 LT.	CTH M/ N. NASH ST	-	1
50+54 RT.	CTH M/ N. NASH ST	-	1
PROJECT TOTALS		12	27

**REMOVING STORM SEWER AND GRANULAR BACKFILL**

STATION	TO STATION	LOCATION	204.0245.01	204.0245.02	209.2100	
			4-INCH TO 12 INCH LF	* LARGER THAN 12-INCH TO 24-INCH LF	BACKFILL GRANULAR GRADE 2 CY	
49+14.38	-	54+00	CTH JJ	131	-	18
54+00	-	57+50	CTH JJ	150	98	45
57+50	-	61+50	CTH JJ	69	46	39
61+50	-	65+00	CTH JJ	330	56	116
65+00	-	70+00	CTH JJ	134	22	23
30+00	-	31+25	CHERRY ST	55	112	27
35+00	-	36+70	BRIGGS ST	68	-	14
39+00	-	42+50	MILL ST	4	311	7
45+00	-	45+80	PINE ST	39	39	7
50+00	-	51+16	CTH M/ N. NASH ST	79	-	10
PROJECT TOTALS			1059	684	306	

\* NOTE: 14-INCH x 23-INCH AND 18-INCH x 30-INCH STORM SEWER REMOVAL INCLUDED IN THIS ITEM

**FINISHING ROADWAY**  
213.0100

PROJECT	EACH	REMARKS
CTH JJ	1	-
PROJECT TOTALS		1



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>97</b>	

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**BASE AGGREGATE AND BREAKER RUN**

STATION TO STATION	LOCATION	1-1/4 INCH TON	BREAKER RUN TON	WATER MGAL	645.0135 GEOTEXTILE TYPE SR S.Y.	REMARKS
49+14.38 - 49+65	CTH JJ	167	--	2.5	-	WEST END ASPHALT TRANSITION
49+65 - 69+09	CTH JJ	5742	--	110.1	-	MAINLINE
69+09 - 70+00	CTH JJ	301	--	4.5	-	EAST END ASPHALT TRANSITION
49+14.38 - 70+00 RT.	CTH JJ	986	--	14.8	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
49+14.38 - 70+00 RT.	CTH JJ	4	--	0.1	-	3-INCH ASPHALT DRIVEWAYS
49+14.38 - 70+00 RT.	CTH JJ	243	--	3.7	-	3 1/2-INCH ASPHALT DRIVEWAYS
49+14.38 - 70+00 LT.	CTH JJ	574	--	8.6	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
49+14.38 - 70+00 LT.	CTH JJ	7	--	0.1	-	3-INCH ASPHALT DRIVEWAYS
49+14.38 - 70+00 LT.	CTH JJ	68	--	1.0	-	3 1/2-INCH ASPHALT DRIVEWAYS
30+35 - 31+25	CHERRY ST	256	--	3.8	-	MAINLINE
30+35 - 31+25	CHERRY ST	9	--	0.1	-	3-INCH ASPHALT DRIVEWAYS
35+38 - 36+70	BRIGGS ST	381	--	5.7	-	MAINLINE
35+38 - 36+70	BRIGGS ST	24	--	0.4	-	6-INCH DRIVEWAY
39+23 - 42+10	MILL ST	561	--	8.4	-	MAINLINE
39+23 - 42+10 RT.	MILL ST	44	--	0.7	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
39+23 - 42+10 RT.	MILL ST	6	--	0.1	-	3 1/2-INCH ASPHALT DRIVEWAYS
39+23 - 42+10 RT.	MILL ST	13	--	0.2	-	GRAVEL DRIVEWAY
40+30 - 42+10 LT.	MILL ST	40	--	0.6	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
40+30 - 42+10 LT.	MILL ST	5	--	0.1	-	3-INCH ASPHALT DRIVEWAYS
40+30 - 42+10 LT.	MILL ST	20	--	0.3	-	3 1/2-INCH ASPHALT DRIVEWAYS
42+87 - 43+25	MILL ST	108	--	1.6	-	MAINLINE
42+87 - 43+25 RT.	MILL ST	9	--	0.1	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
42+87 - 43+25 LT.	MILL ST	9	--	0.1	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
42+87 - 43+25 LT.	MILL ST	12	--	0.2	-	3 1/2-INCH ASPHALT DRIVEWAYS
45+33 - 45+80	PINE ST	177	--	2.7	-	MAINLINE
45+33 - 46+81 RT.	PINE ST	42	--	0.6	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
45+33 - 46+81 LT.	PINE ST	25	--	0.4	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
49+30 - 50+50	CTH M/ S. NASH ST	156	--	2.3	-	ASPHALT MAINLINE
50+50 - 51+00	CTH M/ S. NASH ST	82	--	1.2	-	CONCRETE MAINLINE
50+00 - 51+00 RT.	CTH M/ S. NASH ST	48	--	0.7	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
50+00 - 51+00 RT.	CTH M/ S. NASH ST	19	--	0.3	-	3 1/2-INCH ASPHALT DRIVEWAYS
50+00 - 51+00 LT.	CTH M/ S. NASH ST	19	--	0.3	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
50+31 - 51+16	CTH M/ N. NASH ST	167	--	2.5	-	MAINLINE
50+30 - 51+16 RT.	CTH M/ N. NASH ST	10	--	0.1	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
50+30 - 51+16 LT.	CTH M/ N. NASH ST	19	--	0.3	-	4-INCH, 5-INCH, 6-INCH, 7-INCH DRIVEWAY AND SIDEWALK
50+30 - 51+16 LT.	CTH M/ N. NASH ST	27	--	0.4	-	3 1/2-INCH ASPHALT DRIVEWAYS
UNDISTRIBUTED EBS	--	--	500	-	200	--
<b>PROJECT TOTALS</b>		<b>10,380</b>	<b>500</b>	<b>180</b>	<b>200</b>	

**CONCRETE PAVEMENT APPROACH SLAB**

415.0410

STATION	LOCATION	SY
50+15	CTH JJ - WEST APPROACH	65
50+75	CTH JJ - EAST APPROACH	60
<b>PROJECT TOTALS</b>		<b>125</b>

**CONCRETE PAVEMENT JOINT FILLING**

415.4100

STATION	LOCATION	S.Y.
APPROACH SLAB	CTH JJ	125
<b>PROJECT TOTALS</b>		<b>125</b>



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>98</b>	

I:\Projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH JJ\_Downtown\CTH JJ\_DT\_MQ\_Sheets.dwg\_04\_Plot\_Date: 2/11/2026 9:58 AM\_xref:none

LOCATION	FROM/TO STATION	205.0100 COMMON EXCAVATION (1)		SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	REDUCED EBS IN FILL	EXPANDED EBS BACKFILL	UNEXPANDED FILL	EXPANDED FILL (6)	MASS ORDINATE +/- (7)	WASTE	COMMENT
		CUT (2)	EBS EXCAVATION (3)			FACTOR 1.00	FACTOR 1.00		FACTOR 1.25			
CTH JJ	49+14.43 - 70+00	7,844	0	1,910	5,934			266	333	5,601	5,601	
CHERRY ST	30+18 - 30+37	89	0	0	89			0	0	89	89	
CHERRY ST	30+37 - 31+25	210	0	52	158			1	1	157	157	
BRIGGS ST	35+18 - 35+37	67	0	0	67			0	0	67	67	
BRIGGS ST	35+37 - 36+70	380	0	62	318			2	3	315	315	
MILL ST	40+30 - 42+07	423	0	94	329			0	0	329	329	
MILL ST	42+07 - 42+32	70	0	0	70			0	0	70	70	
MILL ST	42+68 - 42+87	63	0	0	63			0	0	63	63	
MILL ST	42+87 - 43+25	318	0	24	294			0	0	294	294	
PINE ST	45+18 - 45+33	56	0	0	56			0	0	56	56	
PINE ST	45+33 - 45+80	159	0	32	127			0	0	127	127	
CTH M/ S. NASH ST	42+30 - 51+10	296	0	70	226			12	15	210	210	
CTH M/ S. NASH ST	51+10 - 51+26	33	0	0	33			0	0	33	33	
CTH M/ N. NASH ST	50+14 - 50+25	44	0	0	44			0	0	44	44	
CTH M/ N. NASH ST	50+25 - 51+16	404	0	56	348			0	0	348	348	
UNDISTRIBUTED			250	0	0	0	0	0	0		1,000	
		10,455	250	2,300	8,155	0	0	282	353	7,803	8,803	
GRAND TOTAL		10,455	250	2,300	8,155	0	0	282	353	7,803	8,803	
TOTAL COMMON EXC		10,705										

**NOTES:**

- (1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
- (2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
- (3) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN.
- (4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
- (5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
- (6) EXPANDED FILL FACTOR = 1.25  
DEPENDING ON SELECTIONS: **EXPANDED FILL = UNEXPANDED FILL \* FILL FACTOR**
- (7) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
- (8) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>99</b>	

I:\projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH JJ\_DOWNTOWN\CTH JJ\_DT\_MQ\_Sheets.dwg\_05\_Plot\_Date: 2/11/2026 9:58 AM\_xref:stone

**DRILLED TIE BARS**  
416.0610

STATION	LOCATION	EACH	REMARKS
49+14.38 LT./RT.	CTH JJ	4	EXIST. CURB
53+42 RT.	CTH JJ	2	EXIST. CURB
54+86 RT.	CTH JJ	8	DRIVEWAY
56+00 LT.	CTH JJ	3	DRIVEWAY
56+48 RT.	CTH JJ	3	DRIVEWAY
59+00 LT.	CTH JJ	2	DRIVEWAY
59+99 LT.	CTH JJ	2	DRIVEWAY
67+46 RT.	CTH JJ	24	DRIVEWAY
68+63 LT.	CTH JJ	2	DRIVEWAY
31+25 LT./RT.	CHERRY ST	4	EXIST. CURB
36+16 LT.	BRIGGS ST	2	DRIVEWAY
36+38 RT.	BRIGGS ST	5	DRIVEWAY
36+70 LT./RT.	BRIGGS ST	4	EXIST. CURB
39+31 RT.	MILL ST	4	EXIST. CURB
40+30 LT./RT.	MILL ST	4	EXIST. CURB
43+25 LT./RT.	MILL ST	4	EXIST. CURB
45+80 LT./RT.	PINE ST	4	EXIST. CURB
51+16 LT./RT.	CTH M/ N. NASH ST	4	EXIST. CURB
49+30 RT.	CTH M/ S. NASH ST	2	EXIST. CURB
50+48 RT.	CTH M/ S. NASH ST	12	DRIVEWAY
50+50 LT.	CTH M/ S. NASH ST	2	EXIST. CURB
PROJECT TOTALS		101	

**RAILING PIPE AND CONCRETE STEPS**

STATION	LOCATION	* 513.2001		REMARKS
		RAILING PIPE L.F.	CONCRETE STEPS S.F.	
49+53 RT.	CTH JJ	5	15	3 --7-INCH STEPS
54+94 LT.	CTH JJ	6	20	4 - 7-INCH STEPS
55+77 LT.	CTH JJ	5	15	3 - 7-INCH STEPS
57+00 LT.	CTH JJ	6	20	4 - 7 1/8-INCH STEPS
58+14 LT.	CTH JJ	7	25	5 - 7-INCH STEPS
58+94 LT.	CTH JJ	8	30	6 - 7-INCH STEPS
PROJECT TOTALS		37	125	

\* HANDRAIL ON ONE SIDE ONLY UNLESS OTHERWISE NOTED

**ASPHALTIC ITEMS (TO BE COMPLETED BY OUTAGAMIE COUNTY)**

STATION TO STATION	LOCATION	465.0120				REMARKS
		TACK COAT GAL	HMA PAVEMENT 3 LT 58-28 S TON	HMA PAVEMENT 4 LT 58-28 S TON	* ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	
49+14.38 - 49+64.28	CTH JJ	12.0	63	63	-	TRANSITION
49+64.28 - 69+10	CTH JJ	475.7	2518	2518	-	MAINLINE
69+10 - 70+00	CTH JJ	21.8	115	115	102	TRANSITION
30+36 - 31+25	CHERRY ST	18.9	38	38	3	SIDE ROAD
35+38 - 36+70	BRIGGS ST	28.2	57	57	-	SIDE ROAD
39+25 - 42+07	MILL ST	42.1	85	85	10	SIDE ROAD
42+88 - 43+25	MILL ST	8.0	16	16	4	SIDE ROAD
45+33 - 45+80	PINE ST	13.4	27	27	-	SIDE ROAD
49+30 - 50+50 RT	CTH M/ S. NASH ST	17.3	35	35	6	SIDE ROAD
51+10 - 51+16	CTH M/ N. NASH ST	22.7	46	46	8	SIDE ROAD
	UNDISTRIBUTED		15	15	25	
PROJECT TOTALS		660	3015	3015	159	

NOTE: ASPHALT ROAD TRANSITIONS ON CTH JJ ARE CALCULATED AT 3 1/4 INCHES LOWER LAYER AND 2 INCHES UPPER LAYER AND SIDE ROADS ARE CALCULATED AT 2-INCHES FOR EACH PAVEMENT TYPE.

**CONCRETE MASONRY RETAINING WALLS**

504.0500			
STATION	LOCATION	C.Y.	REMARKS
58+94 LT.	CTH JJ	1.5	WEST SIDE DRIVEWAY
PROJECT TOTALS		1.5	

NOTE: REINFORCEMENT INCIDENTAL TO CONCRETE MASONRY ITEM



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>100</b>	

I:\Projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH JJ\_Downtown\CTH JJ\_DT\_MQ\_Sheets.dwg\_06\_Plot\_Date: 2/11/2026 9:59 AM\_xref\$none

**CONCRETE CURB & GUTTER**

STATION	LOCATION	601.0110	601.0407	601.0411	SPV.0060.07	SPV.0090.01	SPV.0090.02	SPV.0090.03
		CONCRETE CURB TYPE D	18-INCH TYPE D	*30-INCH TYPE D	CONCRETE CURB AND GUTTER GAPS	24-INCH TYPE D	HES 30-INCH TYPE D	CONCRETE RETAINING CURB
		L.F.	L.F.	L.F.	EACH	L.F.		L.F.
19+14.38 - 60+75 RT	CTH JJ	-	-	1085	-	25	30	-
60+75 - 66+50 RT.	CTH JJ	-	-	555	-	-	-	-
66+50 - 70+00 RT.	CTH JJ	10	-	300	-	-	65	-
49+14.38 - 54+50 LT	CTH JJ	-	-	470	-	-	-	-
54+50 - 57+40 LT.	CTH JJ	-	-	295	-	-	-	100
57+40 - 60+75 LT.	CTH JJ	-	-	330	-	-	-	210
60+75 - 64+00 LT.	CTH JJ	-	-	315	-	-	-	-
64+00 - 66+50 LT.	CTH JJ	-	-	231	-	-	-	-
66+50 - 70+00 LT	CTH JJ	-	85	395	-	-	-	-
30+36 - 31+25 RT.	CHERRY ST	-	-	85	-	-	-	-
30+36 - 31+25 LT.	CHERRY ST	-	-	100	-	-	-	-
35+38 - 36+70 RT.	BRIGGS ST	-	-	270	-	-	-	-
35+38 - 36+70 LT.	BRIGGS ST	-	-	270	-	-	-	-
39+30 RT.	MILL ST	-	-	-	-	15	-	-
40+29 - 42+10 RT.	MILL ST	-	-	180	-	-	-	-
40+29 - 42+10 LT.	MILL ST	-	-	180	-	-	-	-
42+86 - 43+25 RT.	MILL ST	-	-	40	-	-	-	-
42+86 - 43+25 LT.	MILL ST	-	-	40	-	-	-	-
45+33 - 45+80 RT.	PINE ST	-	-	55	-	-	-	-
45+33 - 45+80 LT.	PINE ST	-	-	55	-	-	-	-
49+30 - 51+15 RT.	CTH M/ S. NASH ST	-	-	180	-	-	-	-
50+50 - 51+15 LT.	CTH M/ S. NASH ST	-	-	50	-	-	-	24
50+83 - 51+16 RT	CTH M/ N. NASH ST	-	-	97	-	-	-	28
50+32 - 51+16 LT.	CTH M/ N. NASH ST	-	-	84	-	-	-	-
	UNDISTRIBUTED	-	-	-	4	-	-	-
PROJECT TOTALS		10	85	5662	4	40	95	362

\*NOTE: 30-INCH CURB TRANSITIONS TO 24-INCH CURB WILL BE PAID AS 30-INCH CURB. TRANSITIONS TO BE 10' IN LENGTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER

**CONCRETE SIDEWALK**

STATION	LOCATION	602.0405	602.0410	602.0415	SPV.0165.02
		CONCRETE SIDEWALK 4-INCH	SIDEWALK 5-INCH	CONCRETE SIDEWALK 6-INCH	THICKENED EDGE CONCRETE SIDEWALK 4-INCH
		S.F.	S.F.	S.F.	S.F.
49+14.38 - 60+85 RT.	CTH JJ	320	7415	360	-
60+85 - 66+50 RT.	CTH JJ	-	7150	1020	-
66+50 - 70+00 RT.	CTH JJ	130	1840	605	-
49+14.38 - 54+40 LT.	CTH JJ	2115	-	70	-
54+40 - 57+50 LT.	CTH JJ	728	-	195	445
57+50 - 60+85 LT.	CTH JJ	335	-	255	1000
60+85 - 64+00 LT.	CTH JJ	2840	-	460	-
64+00 - 66+50 LT	CTH JJ	1520	-	535	-
66+50-67+12 LT. (MEDIAN)	CTH JJ	275	-	125	-
67+12 - 70+00 LT.	CTH JJ	1093	-	558	-
39+20 - 39+40 RT.	MILL ST	50	-	-	-
40+30 - 42+10 RT.	MILL ST	585	-	-	-
40+30 - 42+10 LT.	MILL ST	570	-	-	-
42+87 - 43+25 RT.	MILL ST	250	-	-	-
42+87 - 43+25 LT.	MILL ST	235	-	-	-
45+15 - 46+85 RT.	PINE ST	1055	-	60	-
45+15 - 46+85 LT.	PINE ST	660	-	-	-
50+00 - 51+00 RT.	CTH M/ S. NASH ST	318	-	-	-
50+00 - 51+00 LT.	CTH M/ S. NASH ST	-	495	-	-
50+72 - 51+16 RT.	CTH M/ N. NASH ST	227	-	-	-
50+30 - 51+16 LT.	CTH M N. NASH ST	440	-	-	-
SUBTOTALS		13746	16900	4243	1445



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>101</b>	



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**STORM SEWER STRUCTURES**

STRUCTURE	STATION	OFFSET	LOCATION	522.1021	611.2004	611.2005	611.2006	611.3004	611.3230	611.0535	611.0624	SPV.0060.09	SPV.0060.10	650.4000	RIM ELEVATION	INVERT. ELEVATION	DEPTH
				APRON ENDWALLS FOR CULVERT. PIPE REINFORCED CONCRETE 21-INCH	MANHOLES 4-FT DIA EACH	MANHOLES 5-FT DIA EACH	MANHOLES 6-FT DIA EACH	INLETS 4-FT DIA EACH	INLETS 2 X 3-FT EACH	MANHOLE COVERS TYPE J-SPECIAL EACH	INLET COVERS TYPE H EACH	YARD DRAIN 24-INCH DIAMETER EACH	CASTING FOR 24- INCH DIAMETER YARD DRAIN EACH	CONSTRUCTION STAKING STORM SFWR EACH			
STO MH 14	49+80	12.9 RT.	CTH JJ	-	1	-	-	-	-	1	-	-	-	1	775.07	769.00	6.07
STO MH 15	50+07	41.4' RT.	CTH JJ	-	-	-	1	-	-	1	-	-	-	1	775.05	768.82	6.43
STO INL 15.1	50+07	18.6' LT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	774.45	770.87	3.58
STO INL 15.2	50+07	18.8' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	774.44	770.69	3.75
ENDWALL 15	50+27	42.0' RT.	CTH JJ	1	-	-	-	-	-	-	-	-	-	1	-	768.40	-
STO INL 16.1	52+12	20.5' LT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	771.37	765.86	5.51
STO INL 16.2	52+12	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	771.37	768.14	3.23
STO INL 16.3	52+19	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	771.36	768.09	3.27
STO INL 16.4	52+19	20.5' LT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	771.36	767.21	4.15
STO MH 35-51-1	52+38	21.0' LT.	CTH JJ	-	1	-	-	-	-	1	-	-	-	1	771.86	765.62	6.24
STO MH 17	31+15	8.8' LT.	CHERRY ST	-	1	-	-	-	-	1	-	-	-	1	778.87	774.88	3.99
STO MH 18	55+16	24.9' LT.	CTH JJ	-	1	-	-	-	-	1	-	-	-	1	779.82	775.50	4.32
STO INL MH 19	54+70	20.5' LT.	CTH JJ	-	-	-	-	1	-	-	1	-	-	1	777.30	772.88	4.42
STO MH 20	54+32	11.8' LT.	CTH JJ	-	-	-	1	-	-	1	-	-	-	1	775.58	771.24	4.34
STO INL 20.1	30+38	18.5' LT.	CHERRY ST	-	-	-	-	-	1	-	1	-	-	1	775.88	771.85	4.03
STO INL 20.2	30+38	18.5' RT.	CHERRY ST	-	-	-	-	-	1	-	1	-	-	1	776.32	772.34	3.98
STO INL 20.3	54+63	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	775.52	771.56	3.96
STO INL 20.4	54+53	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	775.19	771.44	3.75
STO MH 21	57+17	11.7' LT.	CTH JJ	-	1	-	-	-	-	1	-	-	-	1	786.74	781.55	5.19
STO INL 21.1	35+40	18.5' RT.	BRIGGS ST	-	-	-	-	-	1	-	1	-	-	1	787.79	783.40	4.39
STO INL 21.2	35+39	18.5' LT.	BRIGGS ST	-	-	-	-	-	1	-	1	-	-	1	787.63	783.05	4.58
STO INL 21.3	57+75	20.5' LT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	788.72	784.52	4.20
STO INL 21.4	57+75	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	787.15	783.23	3.92
STO INL 21.5	57+59	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	786.70	783.10	3.60
STO MH 23	39+73	4.0' LT.	MILL ST	-	1	-	-	-	-	1	-	-	-	1	784.05	778.54	5.51
STO INL MH 24	39+29	20.4' RT.	MILL ST	-	-	-	-	1	-	-	1	-	-	1	783.36	775.86	7.50
STO MH 24	42+22	5.6' LT.	MILL ST	-	1	-	-	-	-	1	-	-	-	1	793.09	786.75	6.34
STO MH 25	60+97	6.0' LT.	CTH JJ	-	1	-	-	-	-	1	-	-	-	1	794.17	788.38	5.79
STO MH 26	61+35	6.0' LT.	CTH JJ	-	1	-	-	-	-	1	-	-	-	1	794.27	788.55	5.72
STO INL 26.1	61+35	20.5' LT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	794.63	790.97	3.66
STO INLET 26.1A	61+97	41.7' LT.	CTH JJ	-	-	-	-	-	-	-	-	1	1	1	790.48	790.48	4.51
STO INL 26.2	61+35	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	793.37	789.53	3.84
STO INL 26.3	61+25	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	793.34	789.60	3.74
STO MH 27	63+83	6.0' LT.	CTH JJ	-	1	-	-	-	-	1	-	-	-	1	795.33	790.12	5.21
STO INL 27.1	62+57	32.7' LT.	CTH JJ	-	-	-	-	-	-	-	-	1	1	1	794.8	790.73	4.07
STO INL 27.1A	62+57	70.7' LT.	CTH JJ	-	-	-	-	-	-	-	-	1	1	1	796.30	794.05	2.25
STO INL 27.2	45+52	25.2' LT.	PINE ST	-	-	-	-	-	1	-	1	-	-	1	796.36	791.16	5.2
STO INL 27.3	64+47	20.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	794.94	790.93	4.01
STO INL 27.4	64+47	20.5' LT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	795.95	790.73	5.22
STO MH 28	66+73	12.6' LT.	CTH JJ	-	-	1	-	-	-	1	-	-	-	1	796.88	789	7.88
STO INL 28.1	50+34	17.5' LT.	CTH M/ N. NASH ST	-	-	-	-	-	1	-	1	-	-	1	797.10	792.94	4.16
STO INL 28.2	50+42	42.2' RT.	CTH M/ N. NASH ST	-	-	-	-	-	1	-	1	-	-	1	797.3	793.17	4.13
STO INL 28.3	50+62	56.1' RT.	CTH M/ N. NASH ST	-	-	-	-	-	1	-	1	-	-	1	797.50	793.29	4.21
STO INL 28.4	66+92	16.6' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	796.26	792.72	3.54
STO MH 29	68+76	14' LT.	CTH JJ	-	1	-	-	-	-	1	-	-	-	1	800.3	796.15	4.15
STO INL 29.1	68+82	20.5' LT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	800.50	796.34	4.16
STO INL 29.2	68+82	16.5' RT.	CTH JJ	-	-	-	-	-	1	-	1	-	-	1	799.63	796.30	3.33
<b>PROJECT TOTALS</b>				<b>1</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>27</b>	<b>14</b>	<b>29</b>	<b>3</b>	<b>3</b>	<b>47</b>			



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>103</b>	

I:\Projects\00006\082300501\CADD\Civil3D\Plan Sheets\CTH JJ DOWNTOWN\CTH JJ DT MG Sheets.dwg\_09\_Plot Date: 2/11/2026 9:59 AM\_xref.stn

**STORM SEWER PIPES**

		608.0321	608.0412	608.0415	608.0418	608.3012	608.3015	608.3018	608.3024	520.8000	SPV.0090.04	SPV.0090.05			
		STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	STORM SEWER PIPE CLASS III-A 12- INCH	STORM SEWER PIPE CLASS III-A 15- INCH	STORM SEWER PIPE CLASS III-A 18- INCH	STORM SEWER PIPE CLASS III-A 24- INCH	CONCRETE COLLARS FOR PIPE EACH	STORM SEWER LATERAL 4-INCH L.F.	STORM SEWER LATERAL 6-INCH L.F.	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
FROM	TO	LOCATION	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.
EXIST. 21-INCH	-	STO MH 14	CTH JJ	3	-	-	-	-	-	1	-	-	769.24	769.17	2.45%
STO MH 14	-	STO MH 15	CTH JJ	40	-	-	-	-	-	-	-	-	769.00	768.62	0.94%
STO INL 15.1	-	STO INL 15.2	CTH JJ	-	35	-	-	-	-	-	-	-	770.87	770.69	0.50%
STO INL 15.2	-	STO MH 15	CTH JJ	-	24	-	-	-	-	-	-	-	770.69	770.57	0.50%
STO MH 15	-	ENDWALL	CTH JJ	16	-	-	-	-	-	-	-	-	768.62	768.46	1.00%
STO INL 16.1	-	EXIST. 24-INCH	CTH JJ	-	-	-	-	4	-	1	-	-	765.86	765.74	3.00%
STO INL 16.4	-	STO INL 16.1	CTH JJ	-	-	-	-	7	-	-	-	-	767.21	767.14	1.00%
STO INL 16.3	-	STO INL 16.4	CTH JJ	-	39	-	-	-	-	-	-	-	768.09	767.90	0.50%
STO INL 16.2	-	STO INL 16.3	CTH JJ	-	7	-	-	-	-	-	-	-	768.14	768.10	0.50%
EXIST 18-INCH	-	STO MH 35-51-1	CTH JJ	-	-	-	5	-	-	1	-	-	767.27	767.17	2.09%
EXIST 10-INCH	-	STO MH 35-51-1	CTH JJ	-	5	-	-	-	-	1	-	-	766.37	766.32	1.00%
STO MH 35-51-1	-	EXIST 24-INCH	CTH JJ	-	-	-	-	-	5	1	-	-	765.62	765.55	1.35%
EXIST. 15-INCH	-	STO MH 17	CHERRY ST	-	-	5	-	-	-	1	-	-	775.54	775.38	3.28%
STO MH 17	-	STO INL 20.1	CHERRY ST	-	-	82	-	-	-	-	-	-	774.88	771.85	3.68%
EXIST. 15-INCH	-	STO MH 18	CTH JJ	-	-	3	-	-	-	1	-	-	775.75	775.66	2.86%
STO MH 18	-	STO INL MH 19	CTH JJ	-	-	-	-	-	49	-	-	-	775.5	772.88	5.30%
STO INL MH 19	-	STO MH 20	CTH JJ	-	-	-	-	-	39	-	-	-	772.88	771.25	4.14%
STO MH 20	-	EXIST. 18-INCH	CTH JJ	-	-	-	4	-	-	1	-	-	771.24	771.15	2.09%
STO INL 20.1	-	STO MH 20	CHERRY ST	-	-	-	-	-	30	-	-	-	771.85	771.25	2.01%
STO INL 20.2	-	STO MH 20	CHERRY ST	-	-	-	-	34	-	-	-	-	772.34	771.25	3.26%
STO INL 20.3	-	STO INL 20.4	CTH JJ	-	-	-	-	10	-	-	-	-	771.56	771.44	1.20%
STO INL 20.4	-	STO MH 20	CTH JJ	-	-	-	-	37	-	-	-	-	771.44	771.25	0.50%
STO MH 21	-	EX 15-INCH	CTH JJ	-	-	-	-	-	3	1	-	-	781.55	781.46	2.86%
STO INL 21.1	-	STO INL 21.2	BRIGGS ST	-	-	-	-	35	-	-	-	-	783.40	783.05	1.00%
STO INL 21.2	-	STO MH 21	BRIGGS ST	-	-	-	-	28	-	-	-	-	783.05	782.50	2.00%
STO INL 21.3	-	STO INL 21.4	CTH JJ	-	-	-	-	39	-	-	-	-	784.52	783.23	3.31%
STO INL 21.4	-	STO INL 21.5	CTH JJ	-	16	-	-	-	-	-	-	-	783.23	783.10	0.82%
STO INL 21.5	-	STO MH 21	CTH JJ	-	52	-	-	-	-	-	-	-	783.10	781.80	2.50%
STO MH 24	-	STO MH 23	MILL ST	-	-	-	-	-	-	249	-	-	786.75	778.54	3.30%
STO MH 23	-	STO INL MH 24	MILL ST	-	-	-	-	-	-	50	-	-	778.54	776.00	5.07%
EXIST. 12-INCH	-	STO INL MH 24	MILL ST	-	5	-	-	-	-	1	-	-	778.21	777.96	5.33%
STO MH 25	-	STO MH 24	CTH JJ	-	-	-	-	-	-	41	-	-	788.38	787.75	1.52%
EXIST 12-INCH	-	STO MH 25	CTH JJ	-	15	-	-	-	-	1	-	-	791.42	791.22	1.33%
STO MH 26	-	STO MH 25	CTH JJ	-	-	-	-	-	-	38	-	-	788.55	788.38	0.44%
STO INL 26.1	-	STO MH 26	CTH JJ	-	14	-	-	-	-	-	-	-	790.97	790.83	1.00%
STO INL 26.1A	-	24-INCH STO	CTH JJ	-	-	-	-	-	-	-	-	36	790.48	789.95	1.50%
STO INL 26.2	-	STO MH 26	CTH JJ	-	-	-	-	26	-	-	-	-	789.53	789.40	0.50%
STO INL 26.3	-	STO INL 26.2	CTH JJ	-	-	-	-	10	-	-	-	-	789.60	789.55	0.50%
STO MH 27	-	STO MH 26	CTH JJ	-	-	-	-	-	-	248	-	-	790.12	788.57	0.62%
STO INL 27.1	-	24-INCH STO	CTH JJ	-	-	-	-	-	-	-	27	-	790.73	790.33	1.50%
STO INL 21.1A	-	STO INL 27.1	CTH JJ	-	-	-	-	-	-	-	38	-	794.05	792.80	3.29%
EXIST STO LAT	-	24-INCH STO	CTH JJ - 62+79	-	-	-	-	-	-	-	24.5	-	790.75	790.5	1.00%
EXIST STO LAT	-	24-INCH STO	CTH JJ - 62+97	-	-	-	-	-	-	-	24.5	-	790.86	790.61	1.00%
EXIST. 15-INCH	-	STO INL 27.2	PINE ST	-	-	5	-	-	-	1	-	-	791.30	791.19	2.17%
STO INL 27.2	-	STO MH 27	PINE ST	-	-	-	-	-	46	-	-	-	791.16	790.12	2.25%
STO INL 27.3	-	STO INL 27.4	CTH JJ	-	-	-	-	39	-	-	-	-	790.93	790.73	0.50%
STO INL 27.4	-	STO MH 27	CTH JJ	-	-	-	-	-	65	-	-	-	790.73	790.41	0.50%
STO MH 28	-	EXIST 18-INCH	CTH JJ	-	-	-	22	-	-	1	-	-	789	788.76	1.10%
STO INL 28.1	-	STO MH 28	CTH M/N. NASH ST	-	-	-	-	36	-	-	-	-	792.94	792.63	0.85%
STO INL 28.2	-	STO MH 28	CTH M/N. NASH ST	-	35	-	-	-	-	-	-	-	793.17	793.00	0.50%
STO INL 28.3	-	STO INL 28.2	CTH M/N. NASH ST	-	-	-	-	25	-	-	-	-	793.30	793.17	0.50%
STO INL 28.4	-	STO MH 28	CTH JJ	-	-	-	-	34	-	-	-	-	792.72	792.04	2.00%
EXIST 12-INCH	-	STO MH 28	CTH JJ	-	-	-	-	5	-	-	-	-	792.46	792.37	1.89%
CTH MH 29	-	EXIST. 12-INCH	CTH JJ	-	3	-	-	-	-	1	-	-	796.15	796.09	1.89%
STO INL 29.1	-	STO MH 29	CTH JJ	-	-	-	-	8	-	-	-	-	796.34	796.26	1.00%
STO INL 29.2	-	STO MH 29	CTH JJ	-	30	-	-	-	-	-	-	-	796.30	796.15	0.50%
		TOTALS		59	280	95	31	377	186	46	631	15	49	101	



McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE WEEHAW, WI 54986  
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PH 920.751.4200 FX 920.751.4284 MCINGRFP.COM

NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>104</b>	

I:\Projects\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH JJ\_Downtown\CTH JJ\_DT\_MG\_Street.dwg\_10\_Plot\_Date: 2/11/2026 9:59 AM\_xref:none

**STORM SEWER PIPE PVC**  
SPV.0090.06

STORM SEWER  
PIPE PVC 15-INCH

FROM	TO	LOCATION	L.F.	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
STO INL MH 24	- EXIST 15-INCH	MILL ST	5	775.86	775.54	6.46%	CONNECTION TO EXISTING INCIDENTAL
TOTALS			5				

**SILT FENCE AND TURBIDITY BARRIER**

STATION TO STATION	LOCATION	628.1504 SILT FENCE L.F.	628.1520 SILT FENCE MAINTENANCE L.F.	628.6005 TURBIDITY BARRIERS S.Y.
49+49 - 50+30 LT.	CTH JJ	90	90	90
49+49 - 50+38 RT.	CTH JJ	115	115	-
50+59 - 50+99 LT.	CTH JJ	45	45	90
50+59 - 50+93 RT.	CTH JJ	50	50	-
UNDISTRIBUTED	CTH JJ	45	45	30
PROJECT TOTALS		345	345	210

**PEDESTRIAN ACCOMODATIONS**

PROJECT	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT S.F.	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD S.F.	644.1810 TEMPORARY PEDESTRIAN BARRICADE L.F.	
CTH JJ	5700	60	100	650	
PROJECT TOTALS		5700	60	100	650

NOTE: PEDESTRIAN QUANTITIES INCLUDE ENTIRE PROJECT DURATION

**EROSION CONTROL**

STATION	LOCATION	628.1905 MOBILIZATIONS EACH	628.1910 MOBILIZATIONS EMERGENCY EACH	628.2006 EROSION MAT URBAN CLASS I TYPE A S.Y.	628.7010 INLET PROTECTION TYPE B EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7560 TRACKING PADS EACH	630.0500 SEED WATER MGAL	SPV.0180.03 RESTORATION S.Y.	SPV.0165.03 SALVAGE AND RESET LANDSCAPING S.F.
PROJECT	CTH JJ	4	4	-	-	-	2	-	-	-
49+14 - 70+00	CTH JJ	-	-	2802	2	38	-	63	2802	576
25+00 - 27+50	CRYSTAL SPRINGS DR	-	-	-	-	2	-	-	-	-
30+00 - 31+25	CHERRY ST	-	-	126	-	3	-	3	126	-
35+00 - 36+70	BRIGGS ST	-	-	300	-	4	-	7	300	-
39+24 - 43+50	MILL ST	-	-	33	-	5	-	1	33	-
45+00 - 46+85	PINE ST	-	-	12	-	2	-	-	12	-
49+30 - 51+00	CTH M/S. NASH ST	-	-	135	-	2	-	3	135	-
50+00 - 51+16	CTH M/N. NASH ST	-	-	130	-	3	-	3	130	-
PROJECT TOTALS		4	4	3538	2	59	2	79	3538	576



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>105</b>	

I:\Projects\00006\082300501\CADD\Civil3D\Plan Sheets\CTH JJ DOWNTOWN\CTH JJ DT MO Sheets.dwg, 11, Plot Date: 2/11/2026 9:59 AM, xref:none

STATION	LOCATION	SIGN CODE	SIZE		S.F.	SIGNING							REMARKS	
			W	H		637.2210 SIGNS TYPE II REFLECTIVE H	638.2102 MOVING SIGNS TYPE II	638.2602 REMOVING SIGNS TYPE II	638.3000 REMOVING SMALL SIGN SUPPORTS	SPV.0060.05 POST TUBULAR STEEL (BLACK) 3-INCH WITH V-LOCK POST ANCHORS- 12- FEET	SPV.0060.06 POST TUBULAR STEEL (BLACK) 3-INCH WITH V-LOCK POST ANCHORS- 14- FEET	SPV.0060.07 POST TUBULAR STEEL (BLACK) 3-INCH WITH V-LOCK POST ANCHORS- 16- FEET		
50+88 RT	CTH JJ	D5-63	60"	36"	-		1	-	1	-	1	-	-	* HISTORICAL MARKER
50+88 RT	CTH JJ	R7-1D	18"	24"	-		1	-	-	-	-	-	-	* NO PARKING ANYTIME
52+01 RT	CTH JJ	R2-1	24"	30"	-		1	-	1	1	-	-	-	SPEED LIMIT
52+93 LT	CTH JJ	R2-1	24"	30"	-		1	-	1	1	-	-	-	SPEED LIMIT
30+34 LT	N CHERRY ST	R1-1	30"	30"	-		1	-	1	1	-	-	-	STOP SIGN
30+34 RT	N CHERRY ST	I2-2	VARIES	15"	-		1	-	1	1	-	-	-	* CHERRY STREET
30+34 RT	N CHERRY ST	I2-2	VARIES	15"	-		1	-	-	-	-	-	-	* MAIN STREET
54+57 RT	CTH JJ	R7-1D	18"	24"	-		1	-	-	1	-	-	-	* NO PARKING ANYTIME
54+57 RT	CTH JJ	S1-1	36"	36"	-		1	-	1	1	-	-	-	* SCHOOL ADVANCE
55+25 RT	CTH JJ	W3-1	36"	36"	-		1	-	1	-	-	-	-	STOP SIGN AHEAD
35+33 LT	BRIGGS ST	R1-1	30"	30"	-		1	-	1	1	-	-	-	STOP SIGN
35+34 RT	BRIGGS ST	I2-2	VARIES	15"	-		1	-	1	1	-	-	-	* BRIGGS STREET
35+34 RT	BRIGGS ST	I2-2	VARIES	15"	-		1	-	-	-	-	-	-	* MAIN STREET
58+63 RT	CTH JJ	R2-1	24"	30"	-		1	-	1	-	-	-	-	SPEED LIMIT
60+44 RT	CTH JJ	R1-1	30"	30"	-		1	-	1	1	-	-	-	* STOP SIGN
60+44 RT	CTH JJ	R1-3P	18"	6"	-		1	-	-	-	-	-	-	* ALL WAY
42+84 LT	MILL ST	R1-1	30"	30"	-		1	-	1	1	-	-	-	* STOP SIGN
42+84 LT	MILL ST	R1-3P	18"	6"	0.75		-	-	-	-	-	-	-	* ALL WAY
42+74 RT	MILL ST	I2-2	VARIES	15"	-		1	-	1	-	-	-	-	* MILL STREET
42+74 RT	MILL ST	I2-2	VARIES	15"	-		1	-	-	-	-	-	-	* MAIN STREET
41+99 LT	MILL ST	R5-2	24"	24"	-		1	-	1	1	-	-	-	NO TRUCKS
42+07 RT	MILL ST	R1-1	30"	30"	-		1	-	1	1	-	-	-	STOP SIGN
42+07 RT	MILL ST	R1-3P	18"	6"	-		1	-	1	1	-	-	-	* ALL WAY
61+12 LT	CTH JJ	R1-1	30"	30"	-		1	-	1	1	-	-	-	* STOP SIGN
61+12 LT	CTH JJ	R1-3P	18"	6"	-		1	-	-	-	-	-	-	* ALL WAY
61+19 RT	CTH JJ	W3-3	36"	36"	-		-	1	1	-	-	-	-	SIGNAL AHEAD
61+86 RT	CTH JJ	M2-1	21"	15"	-		1	-	1	-	-	-	-	JUNCTION MARKER
61+86 RT	CTH JJ	M1-5A	24"	24"	-		1	-	-	-	-	-	-	COUNTY MARKER
61+86 RT	CTH JJ	R7-5D	18"	24"	-		1	-	-	-	-	-	-	2 HOUR PARKING
61+86 RT	CTH JJ	R7-2D	18"	24"	-		1	-	-	-	-	-	-	NO PARKING 3AM-10AM
62+41 RT	CTH JJ	S1-1	36"	36"	-		1	-	1	-	-	1	-	* SCHOOL ADVANCE
62+41 RT	CTH JJ	R7-5D	18"	24"	-		1	-	-	-	-	-	-	* 2 HOUR PARKING
62+41 RT	CTH JJ	R7-2D	18"	24"	-		1	-	-	-	-	-	-	* NO PARKING 3AM-6AM
62+79 LT	CTH JJ	R2-1	24"	30"	-		1	-	1	-	-	-	-	SPEED LIMIT
62+79 LT	CTH JJ	R7-5D	18"	24"	-		1	-	-	-	-	-	-	2 HOUR PARKING
62+79 LT	CTH JJ	R7-2D	18"	24"	-		1	-	-	-	-	-	-	NO PARKING 3AM-6AM
63+70 RT	CTH JJ	W11-2	30"	30"	-		1	-	-	-	-	-	-	PEDESTRIAN CROSSING
63+70 RT	CTH JJ	S16-7L	24"	12"	-		1	-	-	-	-	-	-	LEFT DIAGONAL DOWNWARD POINTING ARROW
64+32 LT	CTH JJ	I2-2	VARIES	15"	-		1	-	1	1	-	-	-	* PINE STREET
64+32 LT	CTH JJ	I2-2	VARIES	15"	-		1	-	-	-	-	-	-	* MAIN STREET
64+32 LT	CTH JJ	R6-1L	36"	12"	-		1	-	-	-	-	-	-	* ONE WAY STREET

\* = MOUNT ON SINGLE POST



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>106</b>	

I:\messenger\PROJECTS\00006\082300501\CADD\Civil3D\Plan\_Sheets\CTH JJ\_Downtown\CTH JJ\_DT\_MQ\_Sheets.dwg, 12, Plot Date: 2/11/2026 9:59 AM, xref:none

**SIGNING (CONTINUED)**

STATION	LOCATION	SIGN CODE	SIZE		S.F.	EACH	EACH	EACH	EACH	EACH	EACH	REMARKS
			W	X H								
64+32 LT	CTH JJ	D4-51R	24"	X 24"	-	1	-	-	-	-	-	* PARKING RIGHT ARROW
64+53 LT	CTH JJ	W11-2	30"	X 30"	-	1	-	-	-	-	-	PEDESTRIAN CROSSING
64+53 LT	CTH JJ	S16-7L	24"	X 12"	-	1	-	-	-	-	-	LEFT DIAGONAL DOWNWARD POINTING ARROW
64+76 LT	CTH JJ	M3-4	24"	X 12"	-	1	-	1	1	-	-	WEST
64+76 LT	CTH JJ	M1-5A	24"	X 24"	-	1	-	-	-	-	-	* STATE ROUTE MARKER
64+90 RT	CTH JJ	R7-2D	18"	X 24"	-	1	-	-	-	-	-	* NO PARKING 3AM-6AM
64+90 RT	CTH JJ	R7-5D	18"	X 24"	-	1	-	-	-	-	-	* 2 HOUR PARKING
65+84 LT	CTH JJ	R7-5D	18"	X 24"	-	1	-	-	1	-	-	* 2 HOUR PARKING
65+84 LT	CTH JJ	R7-2D	18"	X 24"	-	1	-	-	-	-	-	* NO PARKING 3AM-6AM
66+05 RT	CTH JJ	M1-5A	24"	X 24"	-	1	-	1	-	-	-	* COUNTY MARKER
66+05 RT	CTH JJ	M6-4	21"	X 21"	-	1	-	-	1	-	-	* DIRECTIONAL ARROWS LEFT-RIGHT
66+06 RT	CTH JJ	R1-1	30"	X 30"	6.25	-	1	-	-	1	-	STOP SIGN
66+96 LT	CTH JJ	R1-1	30"	X 30"	6.25	-	1	-	-	1	-	STOP SIGN
66+96 LT	CTH JJ	M1-5A	24"	X 24"	-	1	-	-	1	-	-	* COUNTY MARKER
66+96 LT	CTH JJ	M6-4	21"	X 21"	-	1	-	-	-	-	-	* DIRECTIONAL ARROWS LEFT-RIGHT
67+05 LT	CTH JJ	W11-2	30"	X 30"	6.25	-	-	-	1	-	-	PEDESTRIAN CROSSING
67+87 LT	CTH JJ	R7-51L	18"	X 24"	-	1	-	-	-	-	-	NO PARKING HERE TO CORNER
67+87 LT	CTH JJ	DR1-53L	30"	X 8"	-	1	-	-	-	-	-	MEDINA LEFT ARROW
69+72 LT	CTH JJ	R3-5L	42"	X 48"	-	-	1	-	-	-	-	LEFT ONLY
69+72 LT	CTH JJ	R3-6R	42"	X 48"	-	-	1	-	-	-	-	STRAIGHT THROUGH, RIGHT TURN
50+35 LT	CTH M/ N. NASH ST	R1-1	30"	X 30"	6.25	-	1	-	1	-	-	STOP SIGN
50+44 LT	CTH M/ N. NASH ST	W11-2	30"	X 30"	-	1	-	-	-	-	-	PEDESTRIAN CROSSING
50+44 LT	CTH M/ N. NASH ST	S16-7L	24"	X 12"	-	1	-	-	-	-	-	LEFT DIAGONAL DOWNWARD POINTING ARROW
50+75 RT	CTH M/ N. NASH ST	R1-1	30"	X 30"	6.25	-	-	-	1	-	-	STOP SIGN
50+79 RT	CTH M/ N. NASH ST	S1-1	36"	X 36"	-	1	-	-	-	-	-	SCHOOL ADVANCE
50+79 RT	CTH M/ N. NASH ST	R2-6P	24"	X 18"	-	1	-	-	-	-	-	FINES HIGHER
50+79 RT	CTH M/ N. NASH ST	W16-9P	24"	X 12"	-	1	-	-	-	-	-	AHEAD
50+66 RT	CTH M/ N. NASH ST	W11-2	30"	X 30"	6.25	-	-	-	1	-	-	PEDESTRIAN CROSSING
51+01 RT	CTH M/ S. NASH ST	R1-1	30"	X 30"	6.25	-	1	-	1	-	-	STOP SIGN
50+98 RT	CTH M/ S. NASH ST	S1-1	36"	X 36"	-	1	-	-	-	-	-	SCHOOL ADVANCE
50+98 RT	CTH M/ S. NASH ST	S16-L	24"	X 12"	-	1	-	-	-	-	-	LEFT DIAGONAL DOWNWARD POINTING ARROW
PROJECT TOTALS					44.5	61	7	24	25	2	1	

\* = MOUNT ON SINGLE POST

**TRAFFIC CONTROL**

PROJECT	SPV.0105.01	SPV.0105.02	SPV.0105.03
	REMOVE AND SALVAGE TRAFFIC SIGNALS CTH JJ (W. MAIN STREET) AND CTH M/ NASH STREET	TRAFFIC CONTROL	TRAFFIC CONTROL DETOUR
CTH JJ	1	1	1
PROJECT TOTALS	1	1	1

**SALVAGE PAVER BRICKS**

SPV.0165.01		
STATION	LOCATION	SF
69+30 LT.	CTH JJ	25
PROJECT TOTAL		25



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>107</b>	

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**PAVEMENT MARKING EPOXY**

STATION TO STATION	LOCATION	646.1020	646.6120	646.4020	646.7520	646.8220	646.8320	646.9000
		MARKING LINE EPOXY 4-INCH (Yellow)	MARKING STOP LINE EPOXY 18-INCH	MARKING LINE EPOXY 10-INCH (White)	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH	MARKING ISLAND NOSE EPOXY	MARKING PARKING STALL EPOXY (White)	MARKING REMOVAL LINE 4-INCH
		L.F.	L.F.	L.F.	L.F.	EACH	L.F.	L.F.
49+14.43 - 70+00	CTH JJ	3765	66	146	312	-	450	20
30+37 - 31+25	CHERRY ST	-	16	-	48	-	-	10
35+37 - 36+70	BRIGGS ST	-	16	-	54	-	-	10
40+30 - 43+70	MILL ST	-	32	-	114	-	-	20
45+33 - 45+80	PINE ST	-	-	-	36	-	-	-
49+30 - 51+10	CTH M/ S. NASH ST	363	14	-	60	-	-	10
50+25 - 51+16	CTH M/ N. NASH ST	169	14	-	84	3	-	10
	UNDISTRIBUTED	-	-	-	-	-	-	-
<b>PROJECT TOTALS</b>		<b>4297</b>	<b>158</b>	<b>146</b>	<b>708</b>	<b>3</b>	<b>450</b>	<b>80</b>

**ROADWAY STAKING**

STATION TO STATION	LOCATION	650.4500	650.5000	650.5500	650.7000	650.8501	650.9000	650.9500	650.9911	REMARKS
		CONSTRUCTION STAKING SUBGRADE	CONSTRUCTION STAKING BASE	CONSTRUCTION STAKING CURB & GUTTER	CONSTRUCTION STAKING CONCRETE PAVEMENT	CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT)	CONSTRUCTION STAKING CURB RAMPS	CONSTRUCTION STAKING SIDEWALK (PROJECT)	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT)	
		L.F.	L.F.	L.F.	L.F.	EACH	EACH	EACH	EACH	
49+14.43 - 70+00	CTH JJ	2086	2086	4116	-	1	-	1	1	
49+14.43 - 60+00	CTH JJ	-	-	-	-	-	2	-	-	
60+00 - 62+00	CTH JJ	-	-	-	-	-	4	-	-	
62+00 - 65+00	CTH JJ	-	-	-	-	-	2	-	-	
65+00 - 70+00	CTH JJ	-	-	75	-	-	4	-	-	
30+37 - 31+25	CHERRY ST	88	88	185	-	-	2	-	-	
35+37 - 36+70	BRIGGS ST	133	133	540	-	-	2	-	-	
40+30 - 42+07	MILL ST	177	177	375	-	-	-	-	-	
42+87 - 43+25	MILL ST	38	38	80	-	-	-	-	-	
45+33 - 45+80	PINE ST	47	47	110	-	-	2	-	-	
49+30 - 51+10	CTH M/ S. NASH ST	180	180	230	60	-	1	-	-	
50+25 - 51+16	CTH M/ N. NASH ST	91	91	120	-	-	4	-	-	
<b>PROJECT TOTALS</b>		<b>2840</b>	<b>2840</b>	<b>5831</b>	<b>60</b>	<b>1</b>	<b>23</b>	<b>1</b>	<b>1</b>	

**RRFB SUMMARY**

RRFB	STATION	LOCATION	EACH	EACH	NOTES
RRFB 1	64+53, 24.00' LT.	CTH JJ	1	1	CTH JJ and PINE STREET
RRFB 2	64+33, 23.25' RT.	CTH JJ	1	1	CTH JJ and PINE STREET
<b>PROJECT TOTALS</b>			<b>2</b>	<b>2</b>	



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>108</b>	

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**LIGHTING SUMMARY**

LP / PBL	STATION	LOCATION	LIGHTING SUMMARY							NOTES
			653.0154 PULL BOXES NON-CONDUCTIVE 24x36-INCH EACH	654.0105 CONCRETE BASES TYPE 5 EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0201 ELECTRIC SERVICE METER BREAKER PEDESTAL EACH	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	SPV.0060.03 LIGHTING ASSEMBLY SINGLE FIXTURE EACH		
LP9	57+72, 24.00' LT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP10	58+63, 24.00' RT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP11	59+51, 24.00' LT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP12	60+34, 24.00' RT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP13	61+24, 24.00' LT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP14	61+86, 24.00' RT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP15	62+79, 24.00' LT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP16	63+70, 24.00' RT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP17	45+67, 31.08' LT	PINE ST	-	1	-	-	-	1	TYPE B FIXTURE	
LP18	46+65, 31.03' LT	PINE ST	-	1	-	-	-	1	TYPE B FIXTURE	
LP19	46+63, 30.37' RT	PINE ST	-	1	-	-	-	1	TYPE B FIXTURE	
LP20	45+66, 32.00' RT	PINE ST	-	1	-	-	-	1	TYPE B FIXTURE	
LP21	64+53, 24.00' LT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP22	65+11, 24.00' RT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP23	65+84, 24.00' LT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP24	50+44, 21.00' LT	CTH M/ N NASH ST	-	1	-	-	-	1	TYPE A FIXTURE	
LP25	50+89, 38.44' RT	CTH M/ N NASH ST	-	1	-	-	-	1	TYPE A FIXTURE	
LP26	67+87, 25.50' LT	CTH JJ	-	1	-	-	-	1	TYPE A FIXTURE	
LP27	67+00, 18.5' RT	CTH M/ S NASH ST	-	1	-	-	-	1	TYPE A FIXTURE	
LP28	51+95, 23.00' RT	CTH M/ S NASH ST	-	1	-	-	-	1	TYPE A FIXTURE	
PB1	60+38, 24.00' LT	CTH JJ	1	-	-	-	-	-	-	
PB2	60+38, 24.00' RT	CTH JJ	1	-	-	-	-	-	-	
PB3	61+15, 24.00' LT	CTH JJ	1	-	-	-	-	-	-	
PB4	61+20, 24.00' RT	CTH JJ	1	-	-	-	-	-	-	
PB5	63+86, 24.00' RT	CTH JJ	1	-	-	-	-	-	-	
PB6	64+32, 24.00' LT	CTH JJ	1	-	-	-	-	-	-	
PB7	64+27, 24.00' RT	CTH JJ	1	-	-	-	-	-	-	
PB8	66+24, 23.00' LT	CTH JJ	1	-	-	-	-	-	-	
PB9	66+09, 24.00' RT	CTH JJ	1	-	-	-	-	-	-	
PB10	66+76, 22.30' RT	CTH JJ	1	-	-	-	-	-	-	
PB11	67+31, 38.97' LT	CTH JJ	1	-	-	-	-	-	-	
CB2	45+40, 21.63' RT	PINE ST	-	-	1	1	1	-	-	
PROJECT TOTALS			11	20	1	1	1	20		

NOTE: LP1-LP8 AND CB1 ARE RESERVED FOR FUTURE USE



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>109</b>	

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LOCATION		ELECTRICAL WIRING						
FROM	TO	DIST	652.0225 CONDUIT RIGID NONMETALLIC	652.0325 CONDUIT RIGID NON METALLIC	655.061 ELECTRICAL WIRE LIGHTING	655.062 ELECTRICAL WIRE LIGHTING	655.0625 ELECTRICAL WIRE LIGHTING	
FROM	TO	DIST	SCHEDULE 40 2-INCH LF	SCHEDULE 80 2-INCH LF	12 AWG LF	8 AWG LF	6 AWG LF	
<b>CABINET 2-CIRCUITS 1, 3 AND 6, 8 and 9 and 12</b>								
<b>1,3</b>								
CB2	PB3	16	16	-	-	-	48	
PB3	PB5	47	-	47	-	-	141	
PB5	LP15	101	101	-	210	-	303	
LP15	LP13	162	162	-	210	-	486	
LP13	PB10	10	10	-	-	-	30	
PB10	PB12	78	-	78	-	-	234	
PB12	LP11	88	88	-	210	-	264	
LP11	LP9	179	179	-	210	-	537	
<b>6,8</b>								
CB2	PB3	16	16	-	-	48	-	
PB3	LP21	22	22	-	210	66	-	
LP21	LP23	132	132	-	210	396	-	
LP23	PB9	37	37	-	-	111	-	
PB9	LP24	28	28	-	210	84	-	
LP24	PB9	28	-	-	-	84	-	
PB9	PB8	98	-	98	-	294	-	
PB8	LP25	20	20	-	210	60	-	
LP25	PB8	20	-	-	-	60	-	
PB8	LP26	57	57	-	210	171	-	
<b>9</b>								
CB2	PB3	16	-	-	-	48	-	
PB3	PB5	47	-	-	-	141	-	
PB5	LP15	101	-	-	-	303	-	
LP15	LP13	162	-	-	-	486	-	
LP13	PB10	10	-	-	-	30	-	
PB10	PB12	78	-	-	-	234	-	
PB12	LP11	88	-	-	-	264	-	
LP11	LP9	179	-	-	-	537	-	
<b>12</b>								
CB2	PB3	16	-	-	-	48	-	
PB3	LP21	22	-	-	-	66	-	
LP21	LP23	132	-	-	-	396	-	
LP23	PB9	37	-	-	-	111	-	
PB9	PB8	98	-	-	-	294	-	
PB8	LP25	20	-	-	-	60	-	
LP25	PB8	20	-	-	-	60	-	
PB8	LP26	57	-	-	-	171	-	
SUBTOTALS			868	223	1890	4623	2043	
LOCATION		ELECTRICAL WIRING						
FROM	TO	DIST	652.0225 CONDUIT RIGID NONMETALLIC	652.0325 CONDUIT RIGID NON METALLIC	655.0610 ELECTRICAL WIRE LIGHTING	655.0615 ELECTRIC WIRE LIGHTING	655.0620 ELECTRICAL WIRE LIGHTING	655.0625 ELECTRICAL WIRE LIGHTING
FROM	TO	DIST	SCHEDULE 40 2-INCH LF	SCHEDULE 80 2-INCH LF	12 AWG LF	10 AWG LF	8 AWG LF	6 AWG LF
<b>(CABINET 2-CIRCUIT 14 AND 13)</b>								
<b>14</b>								
CB2	PB3	16	16	-	-	48	-	-
PB3	RRFB1	7	7	-	-	21	-	-
RRFB1	PB3	7	-	-	-	21	-	-
PB3	PB4	45	-	45	-	135	-	-
PB4	RRFB 2	5	5	-	-	15	-	-
<b>13</b>								
CB2	CLOCK	8	8	24	-	-	-	-
UNDISTRIBUTED						1005	120	
SUBTOTAL			36	69	0	240	1005	120
PROJECT TOTALS			1953	545	4200	240	10755	5304

LOCATION		ELECTRICAL WIRING						
FROM	TO	DIST	652.0225 CONDUIT RIGID NONMETALLIC	652.0325 CONDUIT RIGID NON METALLIC	655.0610 ELECTRICAL WIRE LIGHTING	655.0615 ELECTRIC WIRE LIGHTING	655.0620 ELECTRICAL WIRE LIGHTING	655.0625 ELECTRICAL WIRE LIGHTING
FROM	TO	DIST	SCHEDULE 40 2-INCH LF	SCHEDULE 80 2-INCH LF	12 AWG LF	10 AWG LF	8 AWG LF	6 AWG LF
<b>(CABINET 2-CIRCUITS 2, 4 and 10)</b>								
<b>2,4</b>								
CB2	PB3	16	16	-	-	-	48	-
PB3	PB4	49	-	49	-	-	147	-
PB4	LP16	56	56	-	210	-	168	-
LP16	LP14	184	184	-	210	-	552	-
LP14	PB11	68	68	-	-	-	204	-
PB11	PB13	81	-	81	-	-	243	-
PB13	LP12	5	5	-	210	-	15	-
LP12	LP10	171	171	-	210	-	513	-
CB2	PB3	16	16	-	-	-	48	-
PB3	PB4	49	-	-	-	-	147	-
PB4	LP22	80	80	-	210	-	240	-
LP22	PB6	104	104	-	-	-	312	-
PB6	PB7	76	-	76	-	-	228	-
PB7	LP27	27	27	-	210	-	81	-
LP27	PB7	27	-	-	-	-	81	-
PB7	LP28	38	38	-	210	-	114	-
<b>10</b>								
CB2	PB3	16	-	-	-	-	48	-
PB3	PB4	49	-	-	-	-	147	-
PB4	LP16	56	-	-	-	-	168	-
LP16	LP14	184	-	-	-	-	552	-
LP14	PB11	68	-	-	-	-	204	-
PB11	PB13	81	-	-	-	-	243	-
PB13	LP12	5	-	-	-	-	15	-
LP12	LP10	171	-	-	-	-	513	-
CB2	PB3	16	-	-	-	-	48	-
PB3	PB4	49	-	-	-	-	147	-
PB4	LP22	80	-	-	-	-	240	-
LP22	PB6	104	-	-	-	-	312	-
PB6	PB7	76	-	-	-	-	228	-
PB7	LP27	27	-	-	-	-	81	-
LP27	PB7	27	-	-	-	-	81	-
PB7	LP28	38	-	-	-	-	114	-
SUBTOTALS			765	206	1470	0	3141	3141
<b>(CABINET 2-CIRCUIT 5, 7 and 11)</b>								
<b>5,7</b>								
CB2	PB3	16	16	-	-	-	48	-
PB3	PB5	47	-	47	-	-	141	-
PB5	LP17	45	45	-	210	-	135	-
LP17	LP18	98	98	-	210	-	294	-
CB2	LP20	27	27	-	210	-	81	-
LP20	LP19	98	98	-	210	-	294	-
<b>11</b>								
CB2	PB3	16	-	-	-	-	48	-
PB3	PB5	47	-	-	-	-	141	-
PB5	LP17	45	-	-	-	-	135	-
LP17	LP18	98	-	-	-	-	294	-
CB2	LP20	27	-	-	-	-	81	-
LP20	LP19	98	-	-	-	-	294	-
SUBTOTALS			284	47	840	0	1986	0

REMOVING EXISTING STREET LIGHTING UNITS	
LOCATION	EACH
CTH JJ	23
PINE	5
<b>PROJECT TOTALS</b>	<b>28</b>

SPV.0060.02



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
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DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>110</b>	

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**REMOVING PULL BOXES**

653.0905		
STATION	LOCATION	EACH
64+45 LT.	CTH JJ	1
65+16 RT.	CTH JJ	1
66+17 RT.	CTH JJ	1
66+25 LT.	CTH JJ	1
66+64 RT.	CTH JJ	1
67+02 LT.	CTH JJ	1
68+00 LT.	CTH JJ	1

PROJECT TOTALS 7

**REMOVING TREE GRATES AND FRAMES**

SPV.0060.12			
STATION	LOCATION	EACH	REMARKS
45+36 LT.	PINE ST	1	
45+42 LT.	PINE ST	1	
45+42 RT.	PINE ST	1	
45+88 RT.	PINE ST	1	
46+35 RT.	PINE ST	1	

PROJECT TOTALS 5.0

**SAWING ASPHALT**

690.0150

STATION	LOCATION	LF	DESCRIPTION
49+14.38 - 70+00	CTH JJ	2085	STAGING CL SAWCUT
49+14.38	CTH JJ	40	TIE IN
51+66 RT.	CTH JJ	28	DRIVEWAY
53+59 RT.	CTH JJ	33	DRIVEWAY
53+95 RT.	CTH JJ	22	DRIVEWAY
58+00 RT.	CTH JJ	136	PARKING LOT
59+83 LT.	CTH JJ	24	PARKING LOT
60+27 LT.	CTH JJ	47	PARKING LOT
61+93 RT.	CTH JJ	41	PARKING LOT
65+45 LT.	CTH JJ	14	DRIVEWAY
66+91 RT.	CTH JJ	42	PARKING LOT
67+92 RT.	CTH JJ	21	DRIVEWAY
68+88 RT.	CTH JJ	25	DRIVEWAY
69+12 RT.	CTH JJ	5	SIDEWALK
70+00	CTH JJ	41	TIE IN
31+00 LT.	CHERRY ST	32	DRIVEWAY
31+25	CHERRY ST	33	TIE IN
36+70	BRIGGS ST	33	TIE IN
39+25 - 40+30	MILL ST	244	STO TRENCH AND TIE IN
40+86 RT.	MILL ST	13	DRIVEWAY
40+87 LT.	MILL ST	12	DRIVEWAY
41+23 LT.	MILL ST	45	PARKING LOT
43+09 LT.	MILL ST	38	PARKING LOT
43+25	MILL ST	32	TIE IN
45+80	PINE ST	54	TIE IN
49+30 - 50+50	CTH M/S. NASH ST	155	TIE IN
50+90 RT.	CTH M/S. NASH ST	39	PARKING LOT
50+91 LT.	CTH M/N. NASH ST	57	PARKING LOT
51+16	CTH M/N. NASH ST	45	TIE IN

PROJECT TOTALS 3436

**SAWING CONCRETE**

690.0250

STATION	LOCATION	LF	DESCRIPTION
49+14.38	CTH JJ	17	CURB AND GUTTER AND SIDEWALK
49+53 RT.	CTH JJ	3	CURB AND GUTTER
51+51 RT.	CTH JJ	2	CURB AND GUTTER
51+80 RT.	CTH JJ	2	CURB AND GUTTER
53+40 RT.	CTH JJ	2	CURB AND GUTTER
53+77 RT.	CTH JJ	7	SIDEWALK
54+12 RT.	CTH JJ	3	SIDEWALK
54+29 RT.	CTH JJ	4	SIDEWALK
54+83 RT.	CTH JJ	29	DRIVEWAY
54+96 LT.	CTH JJ	3	SIDEWALK
55+49 RT.	CTH JJ	7	SIDEWALK
55+76 LT.	CTH JJ	4	SIDEWALK
56+00 LT.	CTH JJ	13	DRIVEWAY
56+27 RT.	CTH JJ	5	SIDEWALK
56+49 RT.	CTH JJ	14	DRIVEWAY
56+95 LT.	CTH JJ	4	SIDEWALK
58+13 LT.	CTH JJ	4	SIDEWALK
58+61 RT.	CTH JJ	8	SIDEWALK
58+91 LT.	CTH JJ	4	SIDEWALK
58+94 LT.	CTH JJ	1	CONCRETE RETAINING WALL
58+99 LT.	CTH JJ	11	DRIVEWAY
59+05 LT.	CTH JJ	1	CONCRETE RETAINING WALL
59+98 LT.	CTH JJ	10	DRIVEWAY
61+00 - 63+80 LT.	CTH JJ	265	BY BUILDING
60+00 - 66+00 RT.	CTH JJ	505	BY BUILDING
64+67 LT.	CTH JJ	4	SIDEWALK
64+85 LT.	CTH JJ	3	SIDEWALK
65+03 LT.	CTH JJ	6	SIDEWALK
65+78 LT.	CTH JJ	6	SIDEWALK
67+50 RT.	CTH JJ	74	PARKING LOT
68+29 RT.	CTH JJ	9	SIDEWALK
68+62 LT.	CTH JJ	9	DRIVEWAY
68+74 RT.	CTH JJ	1	CURB HEAD
69+74 RT.	CTH JJ	7	SIDEWALK
70+00	CTH JJ	15	CURB AND GUTTER AND SIDEWALK
31+25	CHERRY ST	4	CURB AND GUTTER
36+18 LT.	BRIGGS ST	10	DRIVEWAY
36+40 RT.	BRIGGS ST	19	DRIVEWAY
36+80	BRIGGS ST	4	CURB AND GUTTER
39+24 RT.	MILL ST	7	CURB AND GUTTER AND SIDEWALK
39+35 RT.	MILL ST	7	CURB AND GUTTER AND SIDEWALK
40+30	MILL ST	14	CURB AND GUTTER AND SIDEWALK
40+73 LT.	MILL ST	7	SIDEWALK
41+50 LT.	MILL ST	23	SIDEWALK
41+50-42+10 RT.	MILL ST	61	BY BUILDING
41+65-42+10 LT.	MILL ST	41	BY BUILDING
42+80-43+25 RT.	MILL ST	44	BY BUILDING
43+25	MILL ST	18	CURB AND GUTTER AND SIDEWALK
45+56 LT.	PINE ST	5	SIDEWALK
45+63-45+80 RT.	PINE ST	26	CURB AND GUTTER AND SIDEWALK
45+80 LT.	PINE ST	6	CURB AND GUTTER AND SIDEWALK
50+30-50+72 RT.	CTH M/S. NASH ST	44	PARKING LOT
50+50-50+89 LT.	CTH M/S. NASH ST	50	CURB AND GUTTER AND SIDEWALK
50+64 LT.	CTH M/N. NASH ST	7	SIDEWALK
51+16	CTH M/N. NASH ST	16	CURB AND GUTTER AND SIDEWALK

PROJECT TOTALS 1475.0



McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE WEEHAW, WI 54986  
Mailing: P.O. BOX 1025 WEEHAW, WI 54987-1025  
PH 920.751.4200 FX 920.751.4284 MCINGR-COM

NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>111</b>	

I:\Projects\00006\082300501\CADD\Civil3D\Plan Sheets\CTH JJ\_DOWNTOWN\CTH JJ\_DI\_MQ\_Sheets.dwg, 17, Plot Date: 2/11/2026 9:59 AM, xref:none

VILLAGE SANITARY AND WATERMAIN AND STORM QUANTITIES

Item #	Item Description	Total Qty	Page 70	Page 71	Page 72	Page 73	Page 74	Page 75	Qty (Page)
SPV.0060.101	Adjust Sanitary Manhole	9	4	1	2	1		1	-
SPV.0060.102	Reconstruct Sanitary Manhole	2	1	1	-	-	-	-	-
SPV.0060.103	Replace Sanitary Manhole	1	1	-	-	-	-	-	-
SPV.0060.104	Spot Repair 8-inch Sanitary Sewer	2	2	-	-	-	-	-	-
SPV.0060.105	Preconstruction Home Visit for Pipe Bursting	6	2	3	-	1	-	-	-
SPV.0060.106	Sanitary Lateral Inside Reconnection	6	2	3	-	1	-	-	-
SPV.0060.107	Sanitary Lateral Outside Reconnection or 90* Bend	1	1	1	-	-	-	-	-
SPV.0060.108	Pothole and Connect Pipe Burst Sanitary Lateral at Main	6	2	3	-	1	-	-	-
SPV.0060.109	4-inch Inside Cleanout	5	1	3	-	1	-	-	-
SPV.0060.110	6-inch Inside Cleanout	1	1	-	-	-	-	-	-
SPV.0060.111	4-inch Spears Backwater Valve and Extension	5	1	3	-	1	-	-	-
SPV.0060.112	6-inch Spears Backwater Valve and Extension	1	1	-	-	-	-	-	-
SPV.0060.113	Inside Floor Drain	6	2	3	-	1	-	-	-
SPV.0060.114	18" x 22" Sump Pump Pit (concurrent with inside reconnection)	2	-	1	-	1	-	-	-
SPV.0060.115	Reconnect Water Latereral in Basement	5	1	3	-	1	-	-	-
SPV.0060.116	Electrical System Re-Bonding and Grounding (if necessary)	5	1	3	-	1	-	-	-
SPV.0060.117	1-inch Curb Stop and Box including Pothole	5	1	3	-	1	-	-	-
SPV.0060.118	Reconnect Water Lateral at Corporation	5	1	3	-	1	-	-	-
SPV.0060.119	Cap Existing Sanitary Lateral at Main	3	1	1	-	1	-	-	-
SPV.0060.120	Cap Existing Water Lateral at Corporation	4	1	1	-	2	-	-	-
SPV.0060.121	Adjust Gate Valve Box	10	3	1	3	2	-	1	-
SPV.0060.122	Adjust Curb Stop Box	13	1	8	1	3	-	-	-
SPV.0060.123	Hydrovac to Determine Watermain or Lateral Depth	11	4	7	-	-	-	-	-
SPV.0060.124	24-inch Inlet 27.1A With Casting ( STA 62+57 rear yard )	1	-	-	-	-	-	-	1 (54)
SPV.0090.101	4-Inch Sanitary Lateral - Pipe Burst	435	100	255	-	80	-	-	-
SPV.0090.102	6-Inch Sanitary Lateral - Pipe Burst	140	140	-	-	-	-	-	-
SPV.0090.103	1-inch Water Lateral Concurrent With Sanitary Pipe Burst	545	100	370	-	75	-	-	-
SPV.0090.104	Install 4-foot Wide Insulation on Existing Water Main or Lateral	275	100	175	-	-	-	-	-
SPV.0090.105	8-inch Sanitary Sewer - Crystal Springs Drive	206	-	-	-	-	206	-	-
SPV.0090.106	6-inch Storm Sewer ( Inlet 27.1A to 27.1 ) inc. flowable backfil	38	-	-	-	-	-	-	38 (54)
SPV.0105.101	Salvage and Reinstall Hydrant inc 6-inch Lead - Cherry Street	1	-	-	-	-	-	-	-
SPV.0105.102	Sanitary Control Manhole #092 - Crystal Springs Drive	1	1	-	-	-	-	-	-
SPV.0105.103	Concrete between buildings and Pavement Restoration (Inlet 27.1A to 27.1)	1	-	-	-	-	-	-	1 (54)



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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
MISCELLANEOUS QUANTITIES**

DESIGNED	DRAWN
-	-
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>112</b>	

W:\PROJECTS\00006\082300501\CADD\Civil3D\Survey Documents\RIGHT OF WAY PLATS\Title Sheet & SOL CTH JJ RW Plat.dwg, 22x34, Plot Date: 2/11/2026 10:00 AM, xref:stone

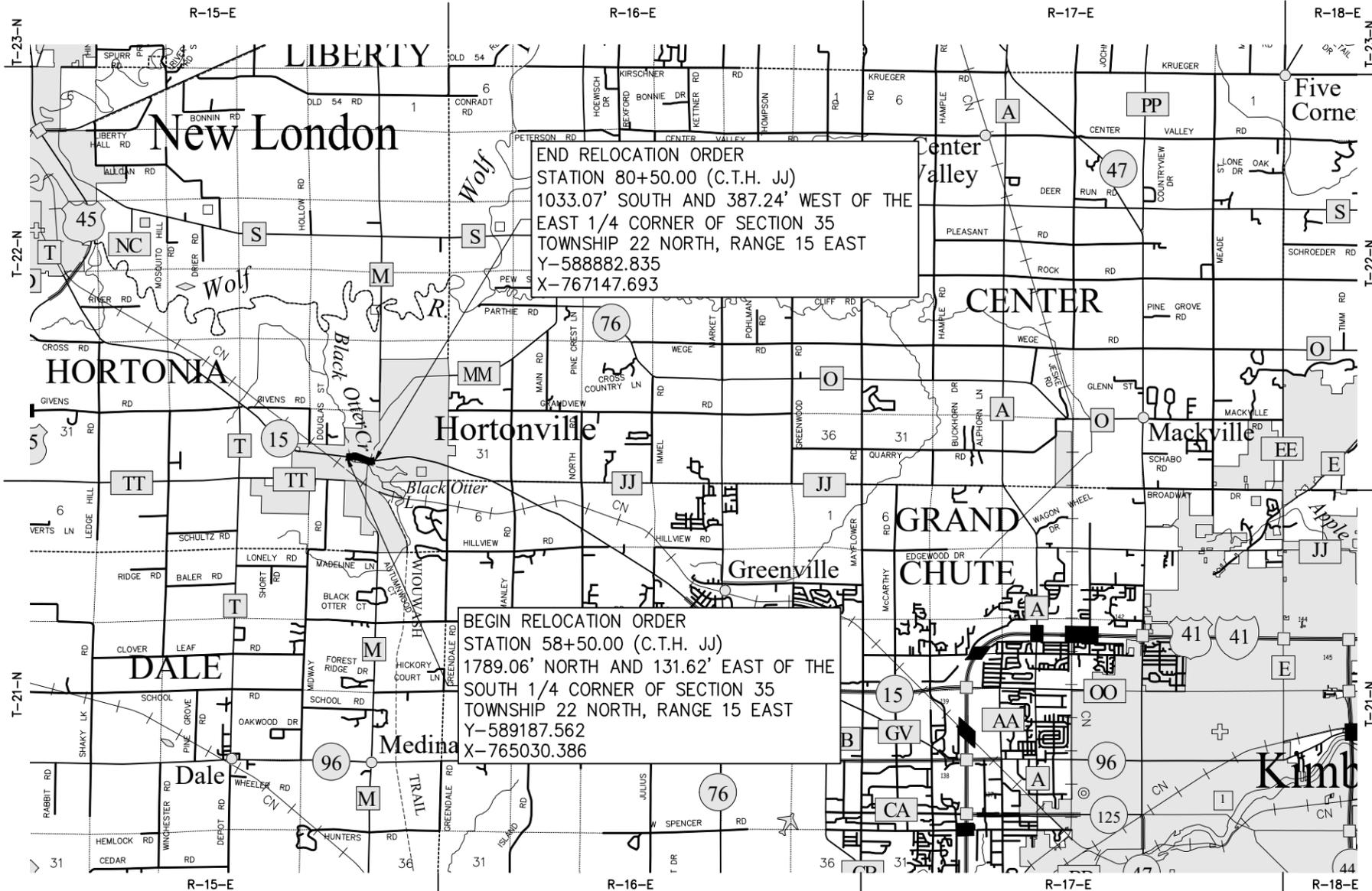
**LEGEND**

- |  |   |
|--|---|
| ○ 3/4" x 18" ROUND IRON REBAR WEIGHING 1.5 lbs./lineal ft. SET | — — — — — FENCE LINE                          |
| ✱ 3/4" REBAR FOUND   | — — — — — TREE LINE                           |
| ✱ 1" REBAR FOUND   | — — — — — BRUSH LINE                          |
| ✱ 1/2" ROD FOUND   | □ — — — — — CULVERT PIPE                      |
| ● 1" IRON PIPE FOUND   | — — — — — EDGE OF VEGETATION                  |
| ■ 1 1/2" IRON PIPE FOUND                                       | — WM — — — — — EXISTING WATER MAIN            |
| ▲ RAILROAD SPIKE FOUND   | — SAN — — — — — EXISTING SANITARY SEWER       |
| △ MAG NAIL FOUND   | — STO — — — — — EXISTING STORM SEWER          |
| × CHISELED "X" FOUND   | — UC — — — — — COMMUNICATOIN CABLE - BURIED   |
| ■ TLE CORNER (NOTHING SET IN FIELD)                            | — E — — — — — ELECTRIC CABLE - BURIED         |
| ☀ CONIFEROUS TREE  | — T — — — — — TELEPHONE CABLE - BURIED        |
| ☀ 20'ELM DECIDUOUS TREE  | — FO — — — — — FIBER OPTIC LINE - BURIED      |
| ☀ STUMP  | — G — — — — — GAS - BURIED                    |
| ⊙ SHRUB  | — TV — — — — — CABLE TELEVISION LINE - BURIED |
| ⊙ WELL   | — — — — — RIGHT-OF-WAY LINE                   |
| ⊙ PULL BOX   | — — — — — SECTION LINE                        |
| ⊙ TRAFFIC SIGNAL   | — — — — — STREET C/L OR R/L                   |
| ⊙ POWER POLE/LIGHT POLE  | — — — — — PROPERTY LINE                       |
| ⊙ POWER POLE   | ▨ TEMPORARY LIMITED EASEMENT                  |
| ⊙ GUY ANCHOR   | ▨ FEE ACQUISITION AREA                        |
| ⊙ LIGHT POLE   | ② PARCEL NUMBER                               |
| ⊙ BOLLARD  | ⊙ SECTION CORNER SYMBOL                       |
| ⊙ UTILITY METER  |   |
| ⊙ CLEANOUT   |   |
| ⊙ EXISTING HYDRANT   | R/W RIGHT-OF-WAY                              |
| ⊙ EXISTING WATER/GAS VALVE                                     | C/L CENTER LINE OF RIGHT-OF-WAY               |
| ⊙ EXISTING STORM CATCH BASIN                                   | TLE TEMPORARY LIMITED EASEMENT                |
| ⊙ EXISTING STORM DRAIN   | R/L CONSTRUCTION REFERENCE LINE               |
| ⊙ EXISTING MANHOLE   | S/L SECTION LINE                              |
| ⊙ MAILBOX  | SF SQUARE FEET                                |
| ⊙ SIGN   | (LE) LIFE ESTATE                              |
| — — — — — EXISTING DITCH LINE                                  | BLDG BUILDING                                 |
| — — — — — EDGE OF PAVEMENT                                     | TLE TEMPORARY LIMITED EASEMENT                |
| — — — — — BUILDING OUTLINE                                     | PRW PROPOSED RIGHT-OF-WAY                     |
| — — — — — EDGE OF CONCRETE                                     | ERW EXISTING RIGHT-OF-WAY                     |
| — — — — — EXISTING CURB & GUTTER                               |   |
| — — — — — EDGE OF GRAVEL                                       |   |

**NOTES**

- RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 18" IRON PIPE), AND WILL BE PLACED AFTER CONSTRUCTION OF THE PROJECT.
- DIMENSIONS FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.
- PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS DERIVED FROM PUBLIC RECORDS AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.
- COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, OUTAGAMIE COUNTY ZONE, NAD 83 (1991) ADJUSTMENT. THE COORDINATES SHOWN ARE GROUND COORDINATES AND ARE TO BE USED AS GROUND VALUES ON THIS PLAT.
- THE CENTERLINE OF THE RIGHT-OF-WAY AS SHOWN ON THIS PLAT IS DEFINED WITH COURSES REFERENCED TO U.S. PUBLIC LAND SURVEY SYSTEM.
- EXISTING RIGHT-OF-WAY ESTABLISHED FROM FIELD LOCATED MONUMENTATION, PREVIOUS SURVEYS AND CURRENT PROPERTY DEEDS.
- THIS PLAT HAS BEEN PREPARED FOR PURPOSES OF OBTAINING TEMPORARY LIMITED EASEMENTS AND RIGHT OF WAY FEE AREAS FOR NEW ROAD CONSTRUCTION PURPOSES.

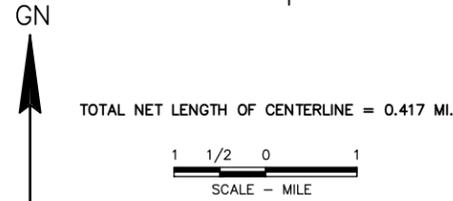
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC, PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.



**BASIS FOR EXISTING RIGHT OF WAY**  
 GOVERNMENT CORNERS PER THE WISCONSIN COUNTY COORDINATE SYSTEM AS PUBLISHED FOR OUTAGAMIE COUNTY CERTIFIED SURVEY MAPS

C.S.M. NO. 364 VOLUME 2, PAGE 364 AS DOCUMENT NO. 859253 RECORDED FEBRUARY 22, 1985  
 C.S.M. NO. 7602 AS DOCUMENT NO. 2143064 RECORDED SEPTEMBER 12, 2018  
 C.S.M. NO. 8292 AS DOCUMENT NO. 2263607 RECORDED MARCH 08, 2022

**PLATS:**  
 PLAT OF HORTONVILLE  
 ASSESSOR'S PLAT ASSESSOR'2 PLAT BLOCK 2  
 FOUND MONUMENTS AS SHOWN ON THIS PLAT OF RIGHT-OF-WAY  
 DEEDS OF RECORD  
 PLATS OF SURVEY



**UTILITY STATEMENT**  
 The underground utilities shown have been located from field survey information and existing as-built drawings. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available. The surveyor has not physically located the underground utilities. Except shown hereon, there are no visible easements benefiting or burdening the premises or right-of-way across the land or any other unrecorded easements or rights-of-way of which the surveyor has been advised.

**CAUTION:**  
 THIS PLAT IS FOR ILLUSTRATIVE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES.

TOTAL OF 11 SHEETS  
 WITHIN THIS PLAT  
 RW1 THRU RW11

REVISION	DATE
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---	---
---	---
---	---
---	---
---	---
---	---
---	---
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ORIGINAL RIGHT-OF-WAY PLAT PREPARED BY:

*Douglas E. Woelz*  
 09-09-2025

APPROVED FOR OUTAGAMIE COUNTY

DATE: 9/10/25

(Signature)

**McMAHON**  
 ENGINEERS & SURVEYORS, INC.  
 1445 McMAHON DRIVE NEENAH, WI 54956  
 Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025  
 PH 920.751.4200 FX 920.751.4284 MCINGR-LOCAL

NO.	DATE	REVISION

CTH JJ (OLD STH 15) RECONSTRUCTION, OUTAGAMIE COUNTY, WI  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 TITLE SHEET

SURVEYED	DRAWN
DEW	MJA
PROJECT NO.	
00006 08-23-00501	
DATE	
2026	
SHEET NO.	
RW1	

I:\Projects\00006\082300501\CADD\Civil3D\Survey Documents\RIGHT OF WAY PLATS\Title Sheet & SOL CTH JJ RW Plat.dwg, .sri, .Plt Date: 2/11/2026 10:00 AM, xrefsnone

SCHEDULE OF LAND & INTEREST REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	TAX KEY NUMBER	INTEREST REQUIRED	TOTAL SF	R/W SF REQUIRED			TOTAL SF REMAINING	TLE SQUARE FEET
						NEW	EXISTING	TOTAL		
1	RW4	Cris Kringel and Joel Kringel, each an undivided one-half interest as tenants in common	240035300	TLE						2,477
2	RW4, RW5	Rebecca J. Lederhaus and Matthew J. Schmitz, Subject to the life estate interest of Robert J. Schmitz and Candace L. Schmitz as in Quit Claim Deed as Document No. 1929212	240035201, 240035200, 240034701, 240034700	TLE						5,367
3	RW4	Roger Retzlaff and De Anne Retzlaff, his wife, as survivorship marital property	240035601	TLE						1,996
4	RW4, RW5	Village of Hortonville	240035700, 240035800	TLE						4,255
5	RW4	The Village of Hortonville, a municipal Corporation located in Outagamie County, Wisconsin	240035399	TLE						147
6	RW5	Thomas E. Jens and Michelle A. Jens, husband and wife as survivorship marital property	240035900	TLE						1,170
7	RW5	Christopher C. Longoria and Sarah L. Longoria, husband and wife, as survivorship marital property	240036000	TLE						1,610
8	RW5, RW9	Anthony G. Miranti and Joan F. Miranti, husband and wife as survivorship marital property	240036100	TLE						600
9	RW5, RW6, R/W 9	Cheryl A. Campshure and Raul T. Erickson as tenants in common	2400362000	TLE						850
11	RW6, RW9, RW10	The Village of Hortonville, a Wisconsin Municipality	240000600, 240000500, 240000400, 240000200	TLE						4,542
12	RW6, RW10	Alonzo's on Main, LLC, a Wisconsin Limited Liability Company, as Land Contract Vendee and Hortonville Inn, LLC f/k/a/ New Horton Inn, a Wisconsin Limited Liability Company as Land Contract Purchaser	240000100	TLE						1,638
13	RW5	Margaret L. Graves	240010500	TLE						861
14	RW5	John M. Kujath and Na Bin Kujath, husband and wife, as survivorship marital property	240010400	TLE						2,709
16	RW5, RW6, RW 9	Stephanie J. Weiland	240010300	TLE						4,254
17	RW6, RW9	Andrew A. Luloff and Andrea L. Vargo, husband and wife, as survivorship marital property	240009000	TLE						5,026
18	RW6	Kathryn R. Guyette and Jacob R. Ruhl, as joint tenants	240008900	TLE						1,848
19	RW6, RW10	Broad Holdings, LLC, a Wisconsin Limited Liability Company, as Land Contract Vendee and DuFrane Properties, LLC, a Wisconsin Limited Liability Company as Land Contract Vendor	240008700, 240008800	TLE						4,233
20	RW6, RW10	NLC Properties, LLC, a Wisconsin Limited Liability Company, as Land Contract Vendee and Stroff's LLC, a Wisconsin Limited Liability Company as Land Contract Vendor	240006200	TLE						760
21	RW7, RW10	NLC Properties, LLC, A Wisconsin limited liability company	240006100	TLE						185
22	RW7	Bryan E. Hohn and Jennifer L. Hohn, husband and wife	240006000	TLE						203
23	RW7	NLC Properties, LLC, A Wisconsin limited liability company	240005900	TLE						176
24	RW7	Buck Building LLC, a Wisconsin limited liability company	240005800, 240005700	TLE						330
25	RW7	Foxglove Farms, LLC	240005600, 240005500	TLE						455
26	RW7	James A. Nieuwenhuis and Christopher A. Nieuwenhuis, as equal joint tenants	240005400	TLE						298
27	RW6, RW10	Point Land Properties LLC	240002001	TLE						1,583
28	RW6, RW10	Timothy J. Guyette and Monica R. Guyette, husband and wife, as survivorship marital property	240001901	TLE						169
29	RW7, RW10	Perry D. Abitz and Therese M. Abitz, husband and wife as survivorship marital property	240001801	TLE						474
31	RW7	DJSell Properties LLC, a Wisconsin limited liability company	240001601	TLE						280
32	RW7	Maribeth Matuszak	240001501	TLE						467
33	RW7	Broad Holdings, LLC, a Wisconsin limited liability company	240001401	TLE						469
34	RW7	Blue Investment Group, LLC	240001301	TLE						206
36	RW7	Integrity Property Rentals, LLC, a Wisconsin limited liability company	240001201	TLE						244
37	RW7	Eric Peterson and Judy Peterson, husband and wife, as survivorship marital property	240001101	TLE						1,016
38	RW7	Andrew Maus and Virginia Maus, husband and wife, as survivorship marital property	240000801	TLE						204
39	RW7, RW8	Village of Hortonville, a Municipal Corporation, of Outagamie County, Wisconsin	240000701	TLE						861
41	RW7	Village of Hortonville, a Wisconsin Municipal Corporation	240004000	TLE						1,314
42	RW7	Paul Draheim and Jean Draheim, husband and wife	240003900	TLE						583
43	RW7	KCHK, LLC, a Wisconsin Limited Liability Company	240003800	TLE						330
44	RW7, RW8	New Hortonville Lanes, LLC, a Wisconsin limited liability company	240003700	TLE						1,917
46	RW8	Prashna LLC, a Wisconsin limited liability company	240003300	FEE/TLE	(0.45-Ac) 19,602	(0.026-Ac) 1138	(0.026-Ac) 1138	(0.42-Ac) 18,464		4,557
47	RW8	Ryan J. Vanden Heuvel and Julie A. Vanden Heuvel, husband and wife, as survivorship marital property	240033200	TLE						879
48	RW8	Prashna LLC, a Wisconsin Limited Liability Company	240002300	TLE						2,183
49	RW8	Bryant Street Partners, LLC	240002400	TLE						2,741
51	RW8	Village of Hortonville	240002700	TLE						1,237

**LEGEND**  
Ac = Acres

**Owner's names are shown for reference purposes only and are subject to change prior to the transfer of land interests to the County.**



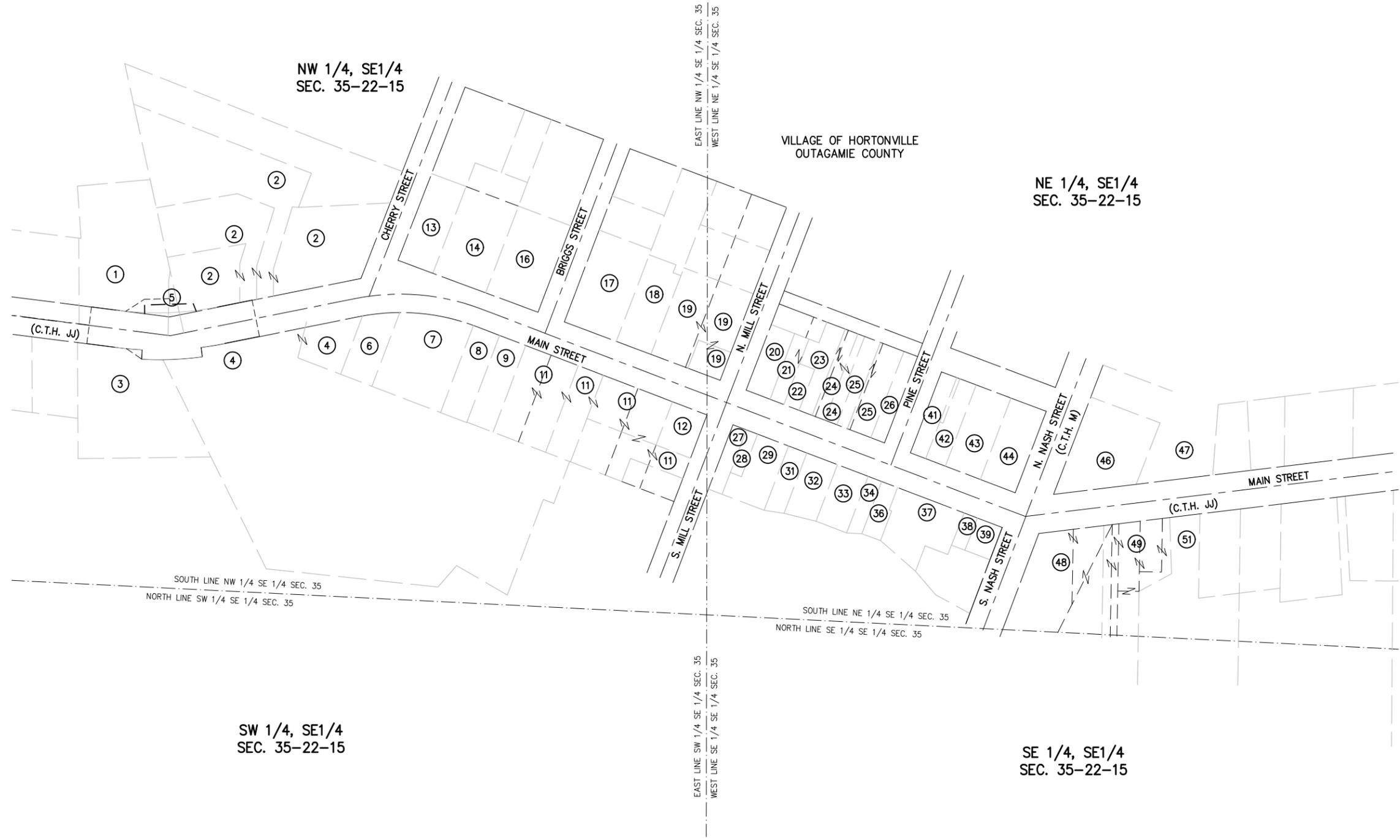
McMAHON ASSOCIATES, INC.  
1445 McMAHON DRIVE WEEHAW, WI 54986  
Mailing: P.O. BOX 1025 WEEHAW, WI 54957-1025  
PH 920.751.4200 FX 920.751.4284 MCINGRP.COM

NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
SCHEDULE OF INTERESTS**

SURVEYED DEW	DRAWN MJA
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>RW2</b>	

in:\issner\_wa\PROJECTS\00006\082300501\CADD\Civil3D\Survey Documents\RIGHT OF WAY PLATS\Layout Sheet\_CTH\_JJ\_RW\_Plot.dwg, 22x34, Plot Date: 2/11/2026 10:00 AM, xref:stone



TOTAL NET LENGTH OF CENTERLINE = 0.417 MI.

**McMAHON**  
 ENGINEERS & ARCHITECTS  
 1445 McMAHON DRIVE WEEENAH, WI 54986  
 Mailing: P.O. BOX 1025 WEEENAH, WI 54987-1025  
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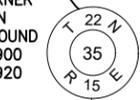
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**LAYOUT SHEET**

SURVEYED	DRAWN
DEW	MJA
PROJECT NO.	
00006 08-23-00501	
DATE	
2026	
SHEET NO.	
<b>RW3</b>	

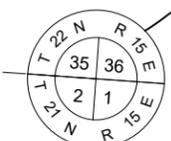
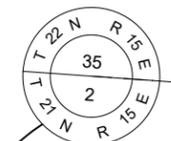
EXISTING R/W MONUMENTS FOUND			
POINT #	NORTHING	EASTING	DESCRIPTION
192	589145.618	765347.226	3/4" STEEL REBAR
193	589138.598	765305.167	3/4" STEEL REBAR
194	589122.450	765307.170	3/4" STEEL REBAR
195	589158.230	765005.365	1/2" ROD
209	589196.762	765247.530	MAG NAIL

OUTAGAMIE COUNTY SECTION CORNER  
BERNTSEN MONUMENT FOUND  
Y 590056.900  
X 764884.920

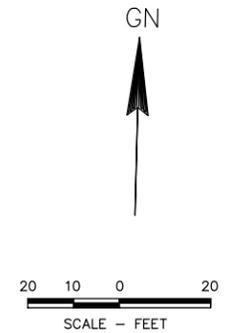
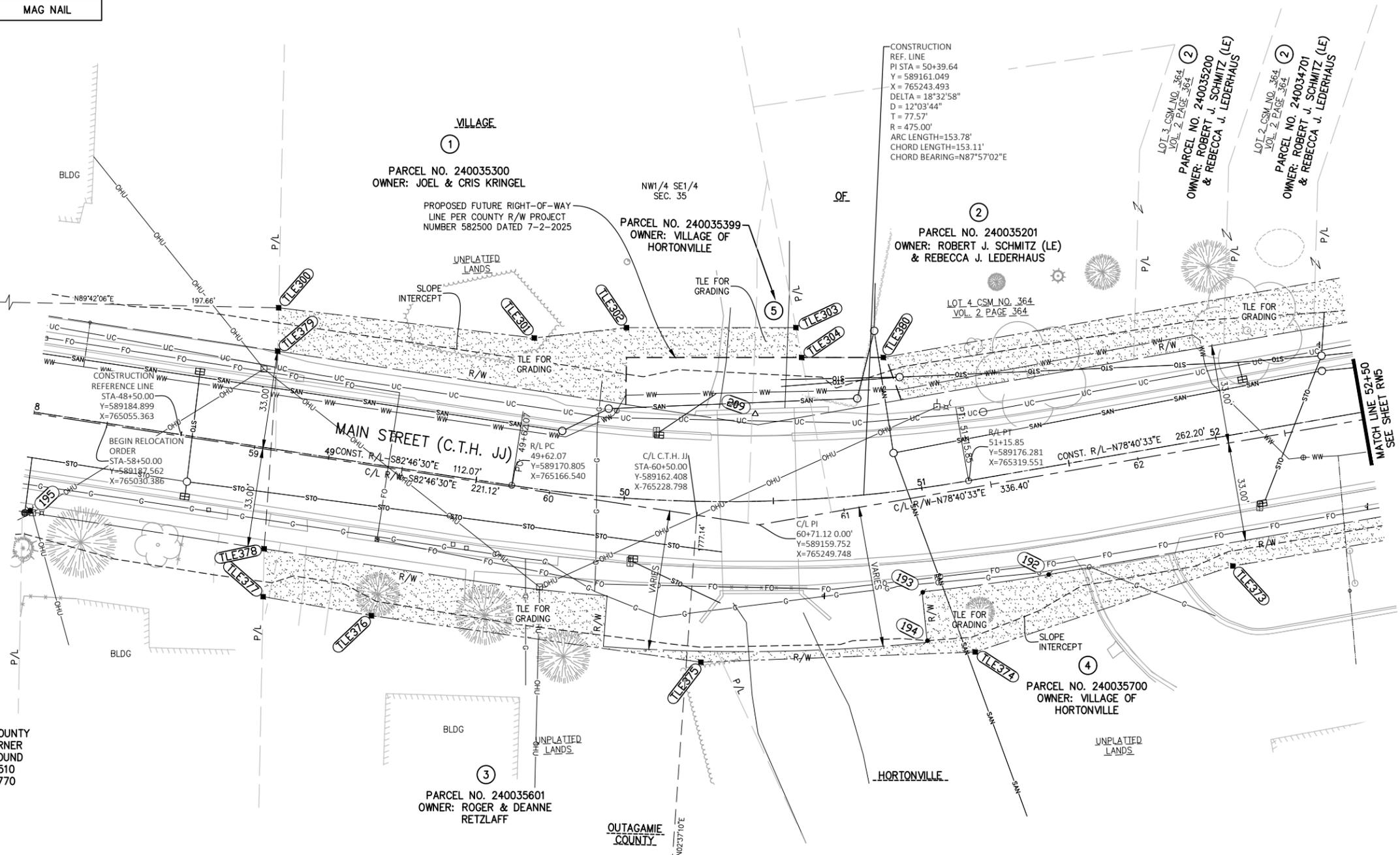


OUTAGAMIE COUNTY SECTION CORNER  
MAG NAIL FOUND  
Y 587398.510  
X 764898.770

OUTAGAMIE COUNTY SECTION CORNER  
MAG NAIL FOUND  
Y 587398.510  
X 764898.770



OUTAGAMIE COUNTY SECTION CORNER  
MAG NAIL FOUND  
Y 587278.990  
X 767511.200



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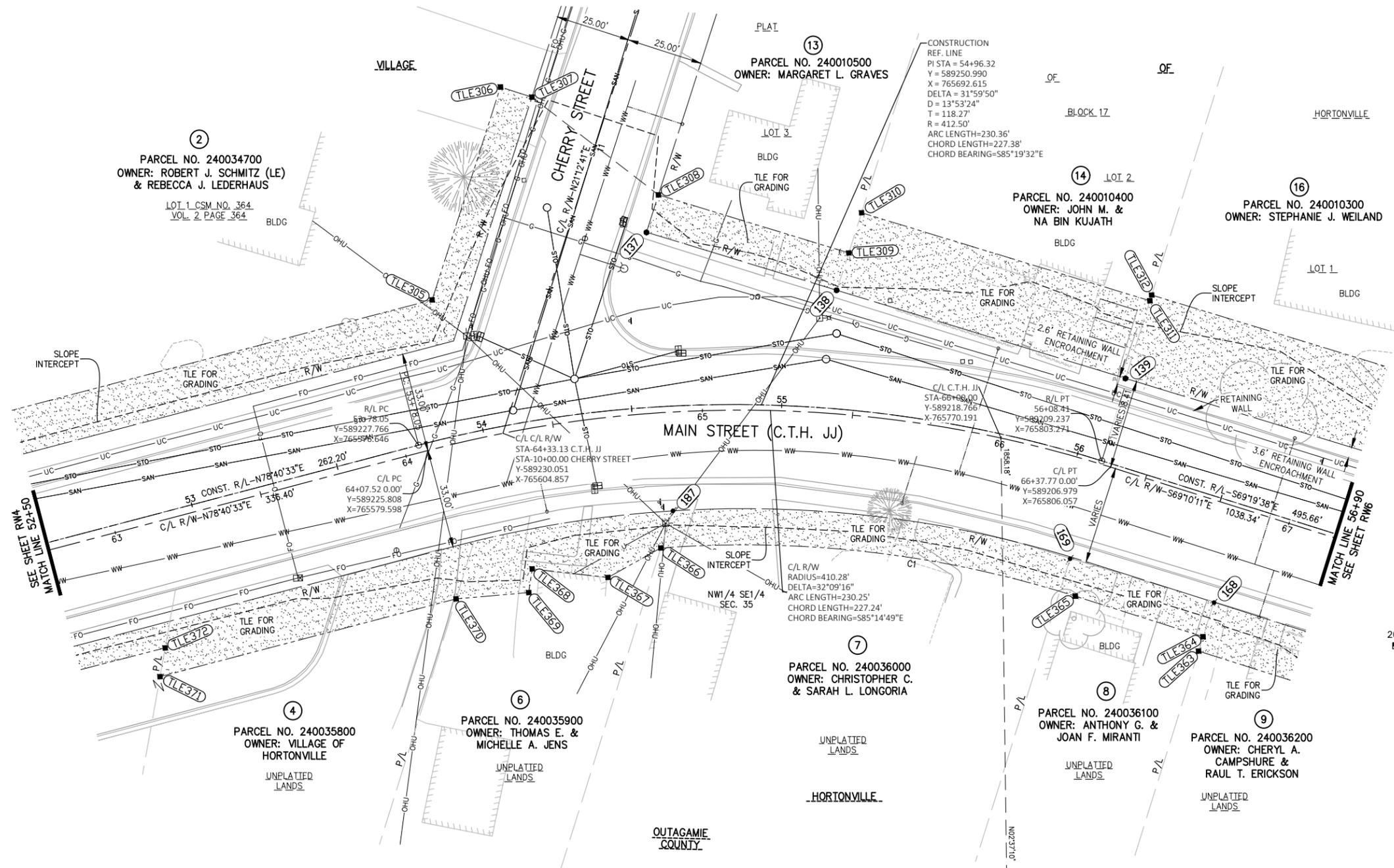
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION, OUTAGAMIE COUNTY, WI  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
RIGHT OF WAY PLAT**

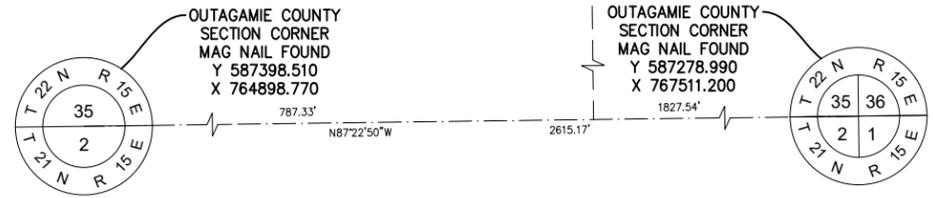
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DEW	MJA
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>RW4</b>	

NOTE:  
SEE SHEET RW11 FOR TILE POINTS  
AND COURSE TABLES

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EXISTING R/W MONUMENTS FOUND			
POINT #	NORTHING	EASTING	DESCRIPTION
137	589293.810	765656.433	1" IRON PIPE
138	589270.941	765718.473	1" IRON PIPE
139	589236.053	765812.706	1" IRON PIPE
168	589160.076	765837.794	3/4" STEEL REBAR
169	589177.421	765790.821	3/4" STEEL REBAR
187	589201.021	765659.826	3/4" STEEL REBAR



NOTE:  
SEE SHEET RW11 FOR TLE POINTS  
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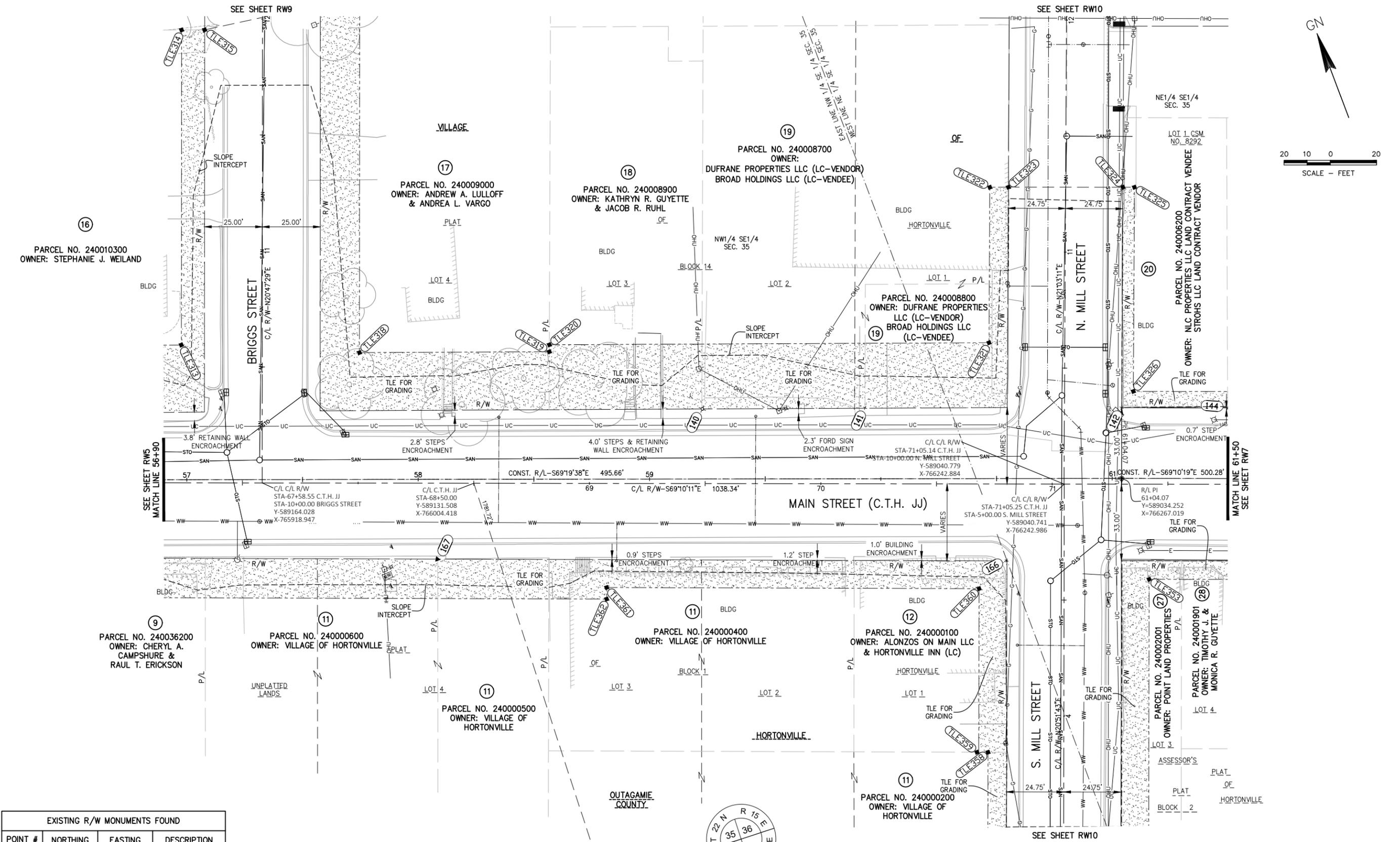
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VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
RIGHT OF WAY PLAT

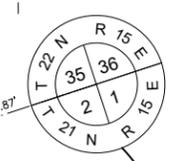
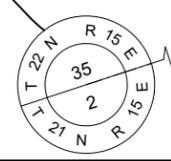
SURVEYED	DRAWN
DEW	M.J.A.
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>RW5</b>	

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EXISTING R/W MONUMENTS FOUND			
POINT #	NORTHING	EASTING	DESCRIPTION
140	589126.462	766108.136	1" STEEL REBAR
141	589101.974	766174.122	CHISELED "X"
142	589062.764	766277.761	CHISELED "X"
144	589046.334	766320.457	CHISELED "X"
166	589018.780	766208.011	CHISELED "X"
167	589106.482	765978.098	RAILROAD SPIKE

OUTAGAMIE COUNTY SECTION CORNER MAG NAIL FOUND  
Y 587398.510  
X 764898.770



OUTAGAMIE COUNTY SECTION CORNER MAG NAIL FOUND  
Y 587278.990  
X 767511.200

NOTE:  
SEE SHEET RW11 FOR TLE POINTS  
AND COURSE TABLES

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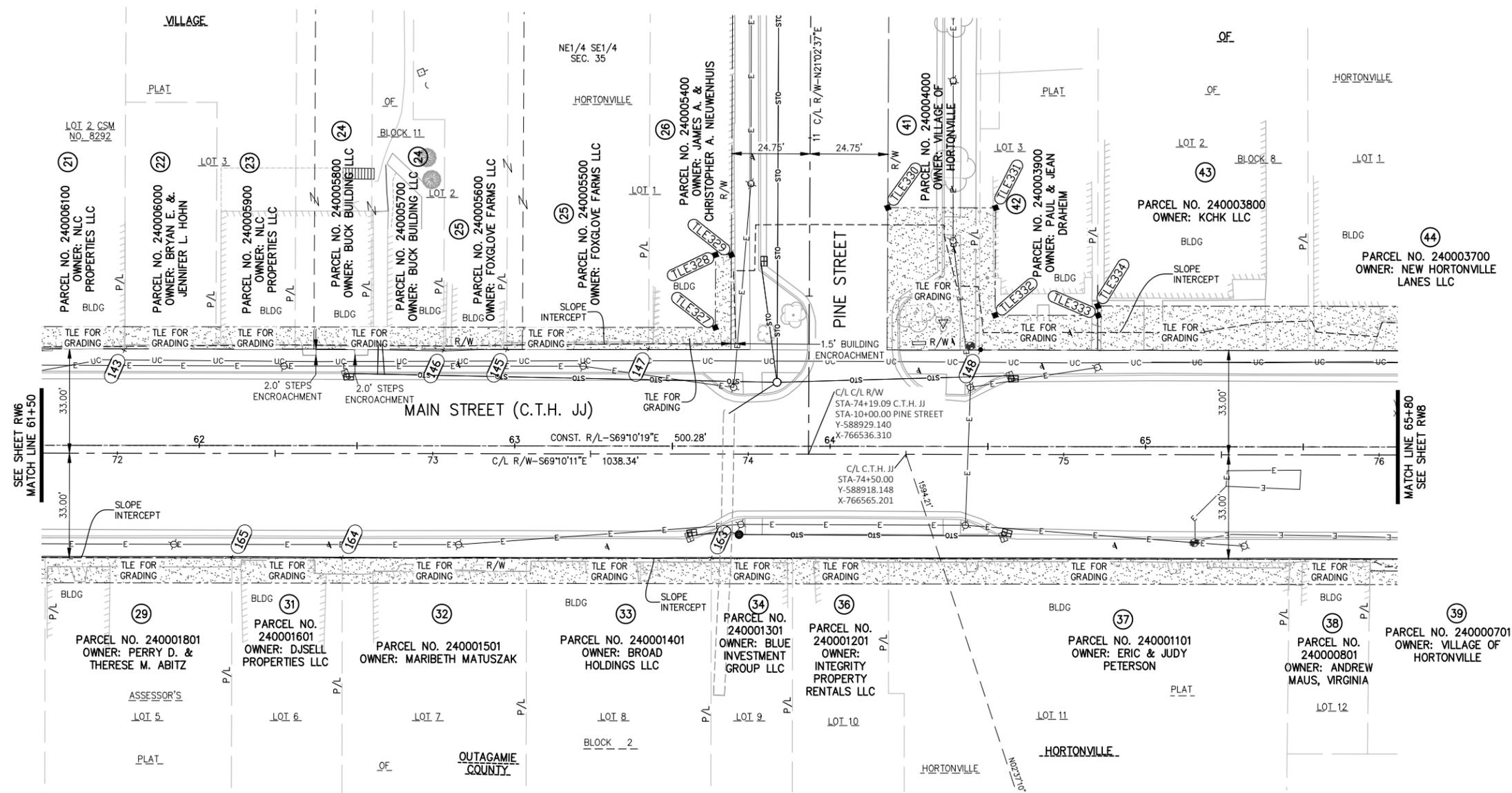
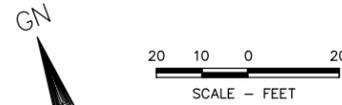
NO.	DATE	REVISION

CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
RIGHT OF WAY PLAT

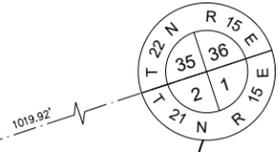
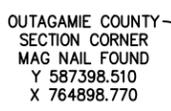
SHEET NO.  
**RW6**

SURVEYED DEW	DRAWN M.J.A.
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>RW6</b>	

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EXISTING R/W MONUMENTS FOUND			
POINT #	NORTHING	EASTING	DESCRIPTION
143	589036.687	766345.083	CHISELED "X"
145	588993.977	766458.552	CHISELED "X"
146	589000.890	766439.738	CHISELED "X"
147	588978.274	766500.751	CHISELED "X"
148	588940.688	766599.041	3/4" STEEL REBAR
163	588909.362	766495.793	CHISELED "X"
164	588950.939	766386.499	CHISELED "X"
165	588963.366	766353.782	CHISELED "X"



NOTE:  
SEE SHEET RW11 FOR TILE POINTS  
AND COURSE TABLES

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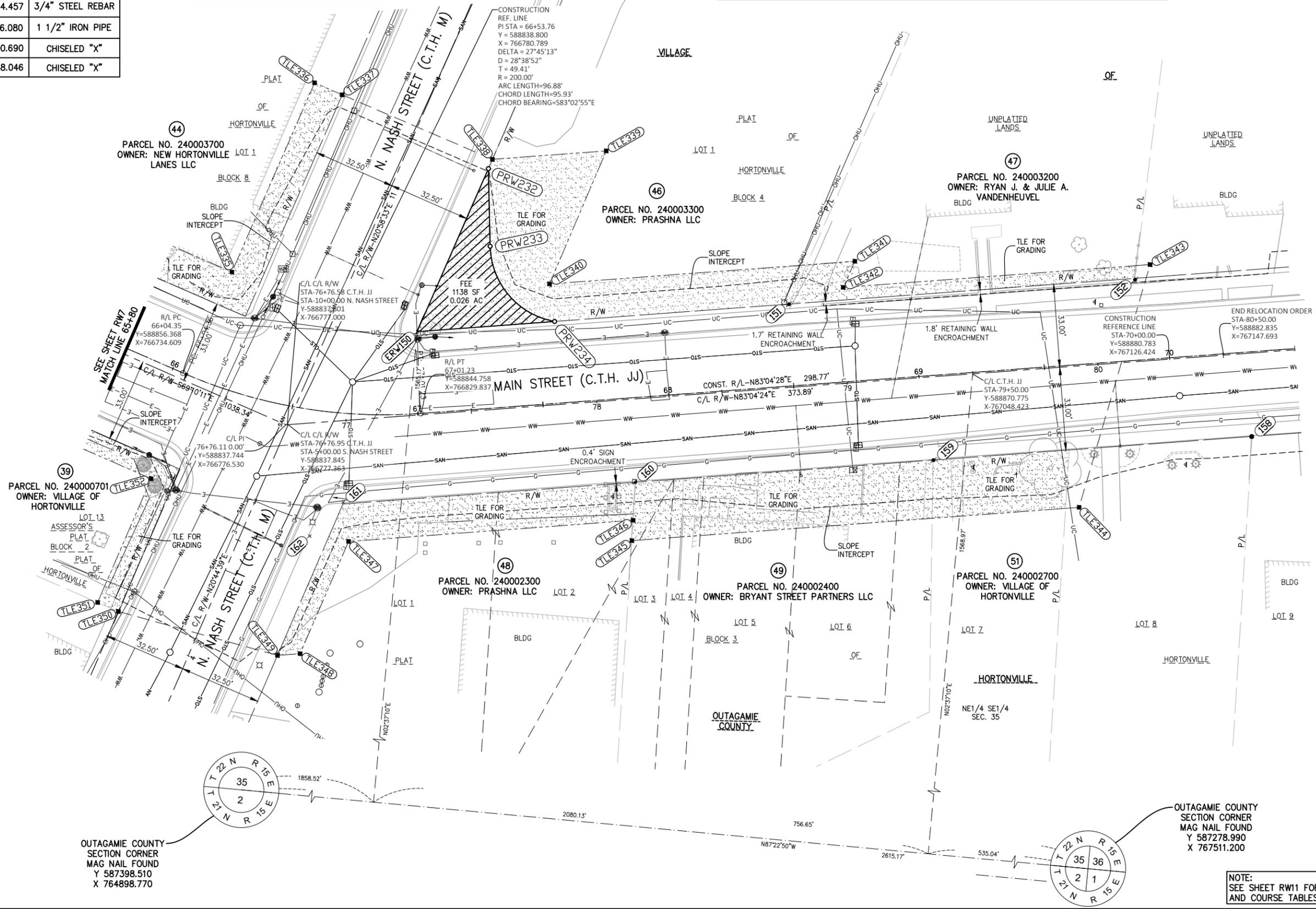
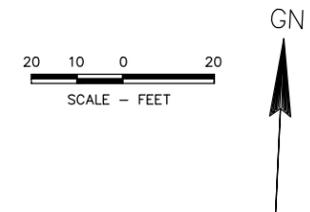
CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
RIGHT OF WAY PLAT

SURVEYED DEW DRAWN M.J.A.  
PROJECT NO. 00006 08-23-00501  
DATE 2026  
SHEET NO. **RW7**

EXISTING R/W MONUMENTS FOUND			
POINT #	NORTHING	EASTING	DESCRIPTION
150	588877.092	766826.998	CHISELED "X"
151	588894.922	766974.166	3/4" STEEL REBAR
152	588911.110	767111.258	3/4" STEEL REBAR
158	588851.103	767160.491	1" IRON PIPE
159	588835.802	767034.457	3/4" STEEL REBAR
160	588821.810	766916.080	1 1/2" IRON PIPE
161	588808.059	766800.690	CHISELED "X"
162	588794.067	766788.046	CHISELED "X"

PRW Course Table			
BEGIN PT #	END PT #	BEARING	DISTANCE
ERW150	PRW232	N20°58'33"E	70.67'
PRW232	PRW233	S03°57'14"E	30.83'
PRW233	PRW234	RADIUS=31.00' DELTA=78°48'45" ARC LENGTH=42.64' CHORD LENGTH=39.36' CHORD BEARING=543°21'36"E	
PRW234	ERW150	S83°04'24"W	54.85'

R/W POINT TABLE					
POINT	ALIGNMENT	STATION	OFFSET	Y COORDS	X COORDS
ERW150	C.T.H. JJ RW CENTERLINE	77+30.83	33.00' LT	588877.102	766826.874
PRW232	N NASH STREET RW CENTERLINE	11+25.22	32.50' RT	588943.088	766852.171
PRW233	C.T.H. JJ RW CENTERLINE	77+62.30	64.67' LT	588912.332	766854.297
PRW234	C.T.H. JJ RW CENTERLINE	77+85.68	33.00' LT	588883.717	766881.320



OUTAGAMIE COUNTY  
SECTION CORNER  
MAG NAIL FOUND  
Y 587398.510  
X 764898.770

OUTAGAMIE COUNTY  
SECTION CORNER  
MAG NAIL FOUND  
Y 587278.990  
X 767511.200

NOTE:  
SEE SHEET RW11 FOR TLE POINTS  
AND COURSE TABLES

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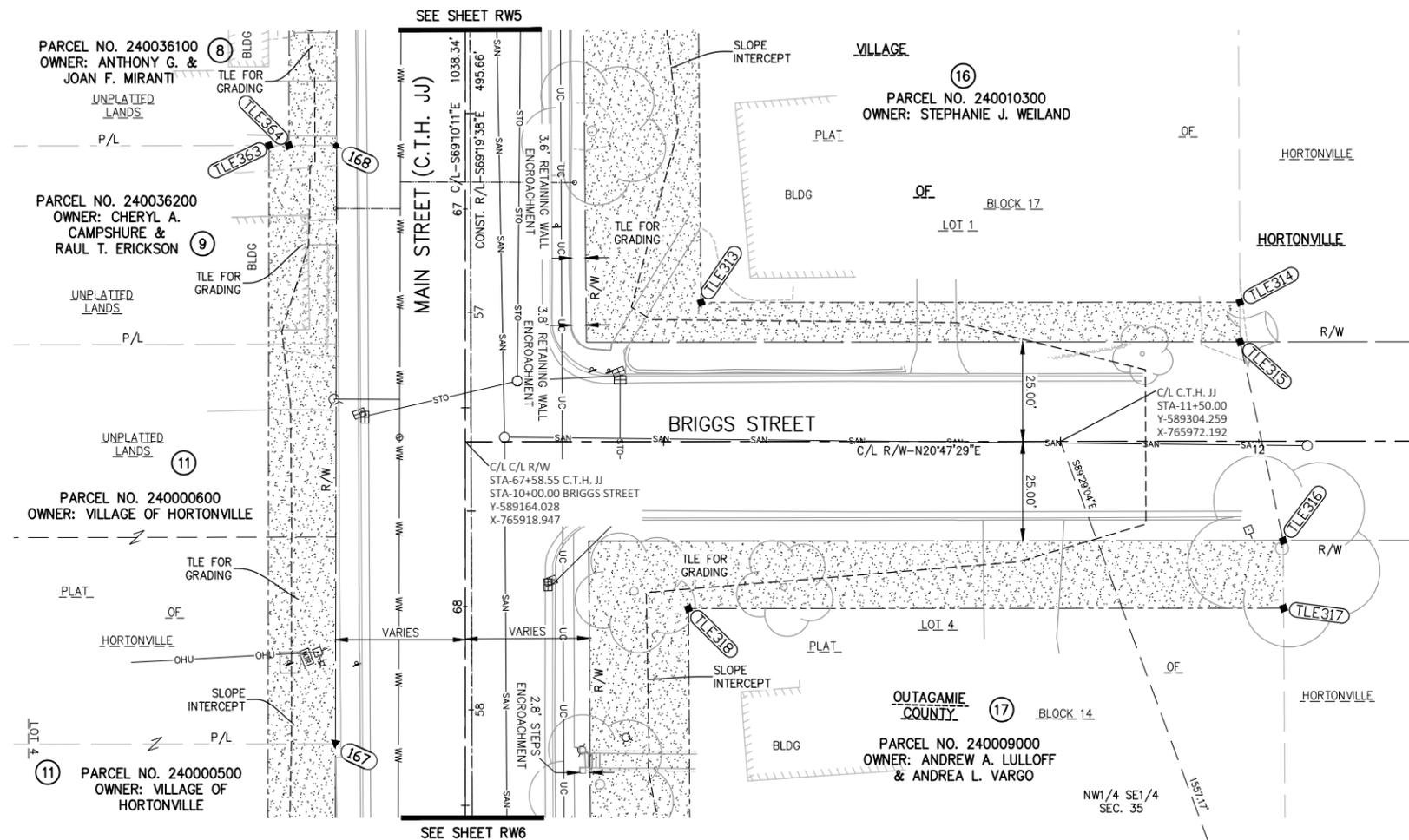
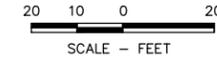
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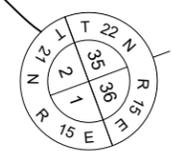
**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**RIGHT OF WAY PLAT**

SURVEYED	DRAWN
DEW	MJA
PROJECT NO.	
00006 08-23-00501	
DATE	
2026	
SHEET NO.	
<b>RW8</b>	

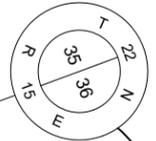
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OUTAGAMIE COUNTY  
SECTION CORNER  
MAG NAIL FOUND  
Y 587278.990  
X 767511.200



OUTAGAMIE COUNTY  
SECTION CORNER  
1 1/4" REBAR FOUND  
Y 589915.900  
X 767534.930



EXISTING R/W MONUMENTS FOUND			
POINT #	NORTHING	EASTING	DESCRIPTION
167	589106.482	765978.098	RAILROAD SPIKE
168	589160.076	765837.794	3/4" STEEL REBAR

NOTE:  
SEE SHEET RW11 FOR TILE POINTS  
AND COURSE TABLES

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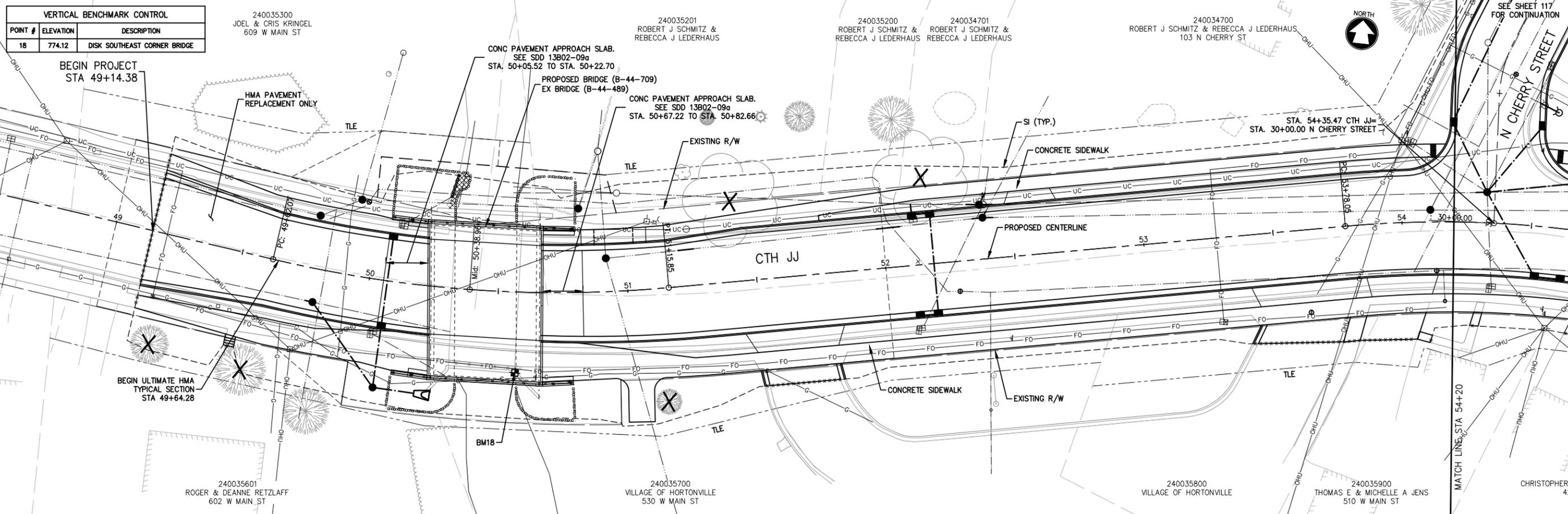
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION  
VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
RIGHT OF WAY PLAT**

SURVEYED	DRAWN
DEW	MJA
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>RW9</b>	





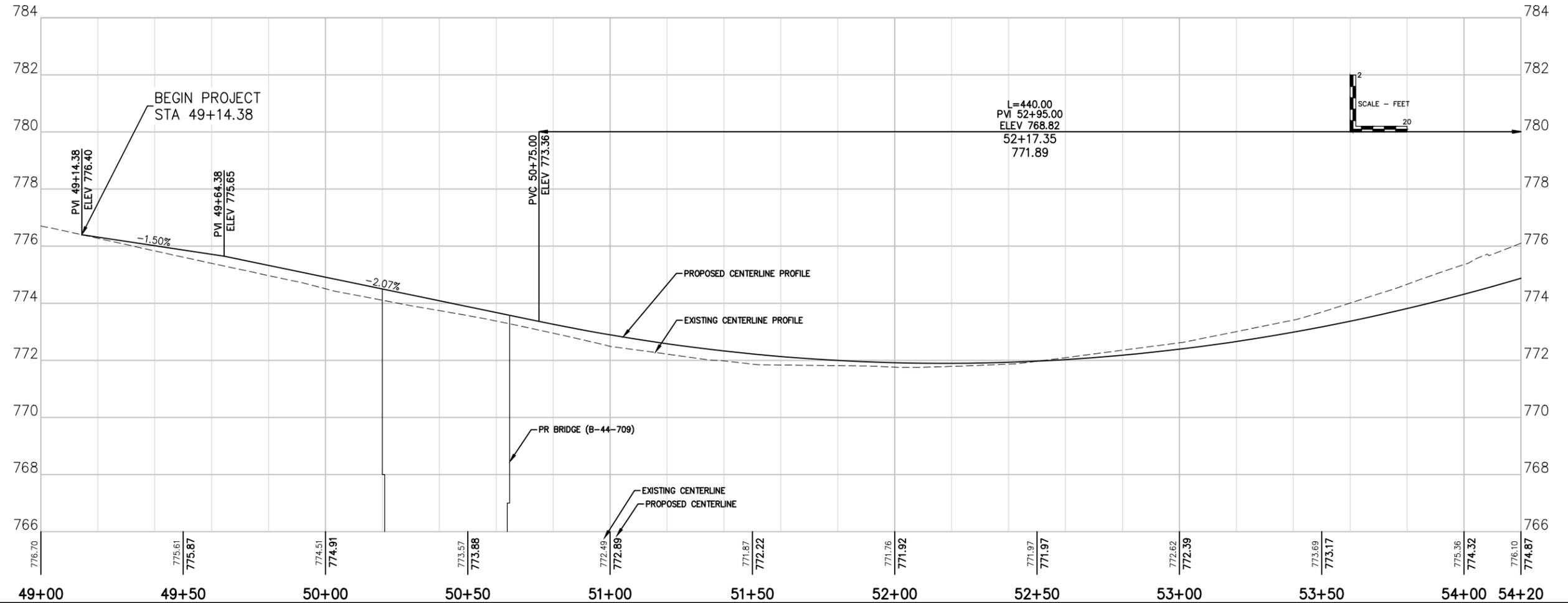


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**CTH JJ (OLD STH 15) RECONSTRUCTION, OUTAGAME COUNTY, WI**  
**VILLAGE OF HORTONVILLE, OUTAGAME COUNTY, WI**  
**CTH JJ PLAN AND PROFILE**

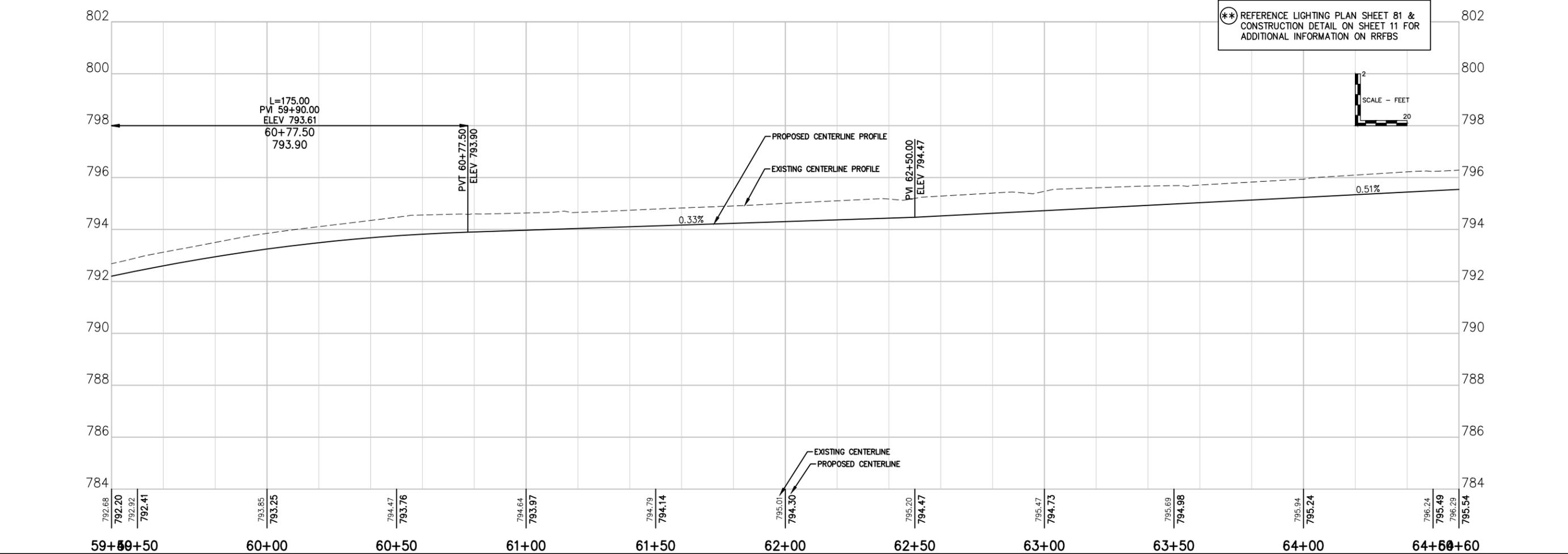
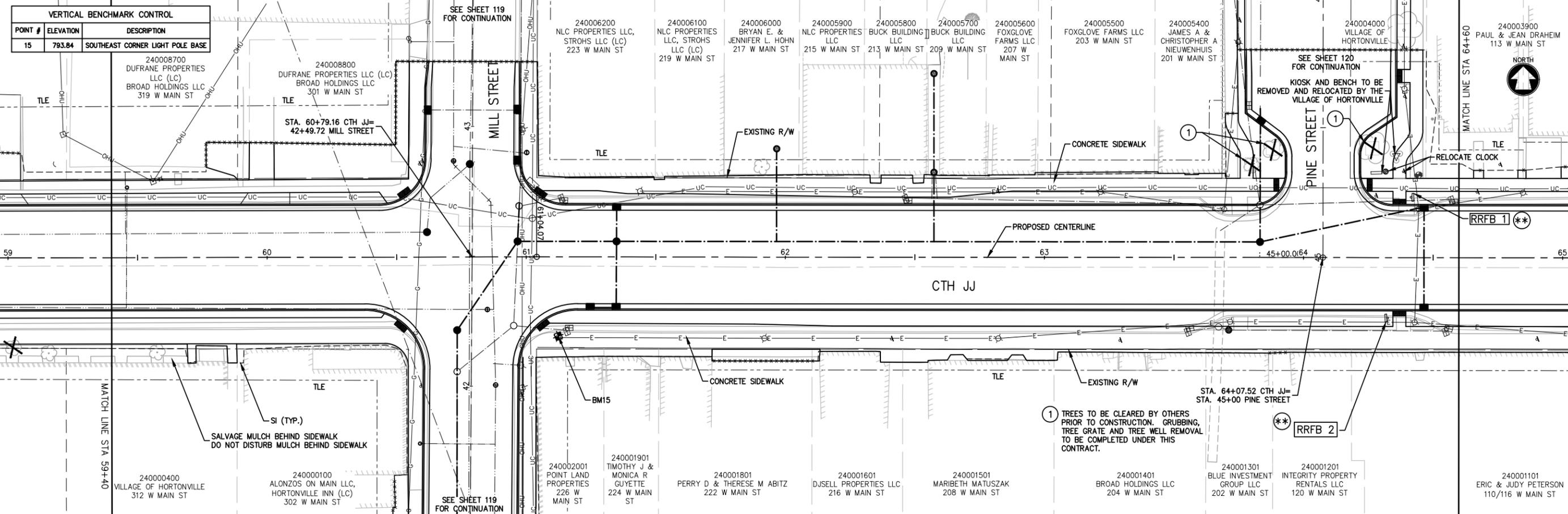
DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>113</b>	



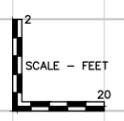
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\*\* REFERENCE LIGHTING PLAN SHEET 81 & CONSTRUCTION DETAIL ON SHEET 11 FOR ADDITIONAL INFORMATION ON RRFBS



VERTICAL BENCHMARK CONTROL		
POINT #	ELEVATION	DESCRIPTION
15	793.84	SOUTHEAST CORNER LIGHT POLE BASE

SEE SHEET 119 FOR CONTINUATION

SEE SHEET 120 FOR CONTINUATION

SEE SHEET 119 FOR CONTINUATION

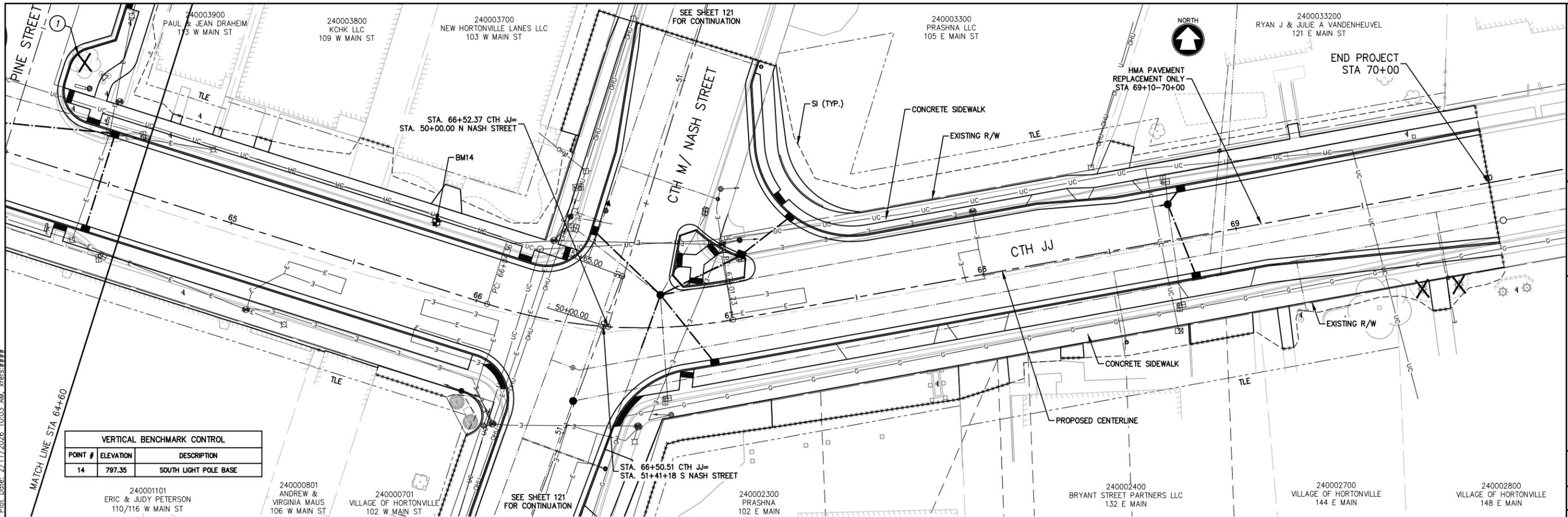
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ PLAN AND PROFILE**

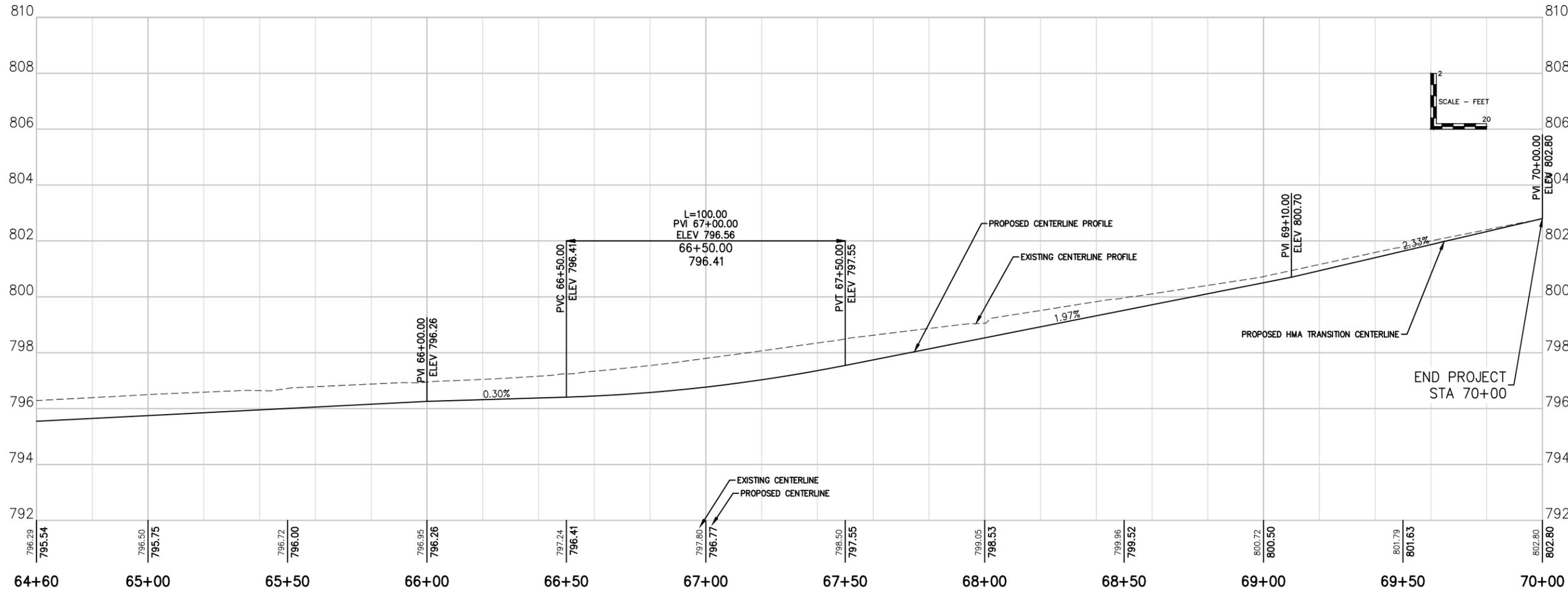
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PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	<b>115</b>

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VERTICAL BENCHMARK CONTROL		
POINT #	ELEVATION	DESCRIPTION
14	797.35	SOUTH LIGHT POLE BASE

240001101 ERIC & JUDY PETERSON 110/116 W MAIN ST  
 240000801 ANDREW & VIRGINIA MAUS 106 W MAIN ST  
 240000701 VILLAGE OF HORTONVILLE 102 W MAIN ST  
 240002300 PRASHNA 102 E MAIN  
 240002400 BRYANT STREET PARTNERS LLC 132 E MAIN  
 240002700 VILLAGE OF HORTONVILLE 144 E MAIN  
 240002800 VILLAGE OF HORTONVILLE 148 E MAIN



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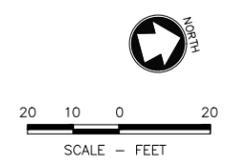
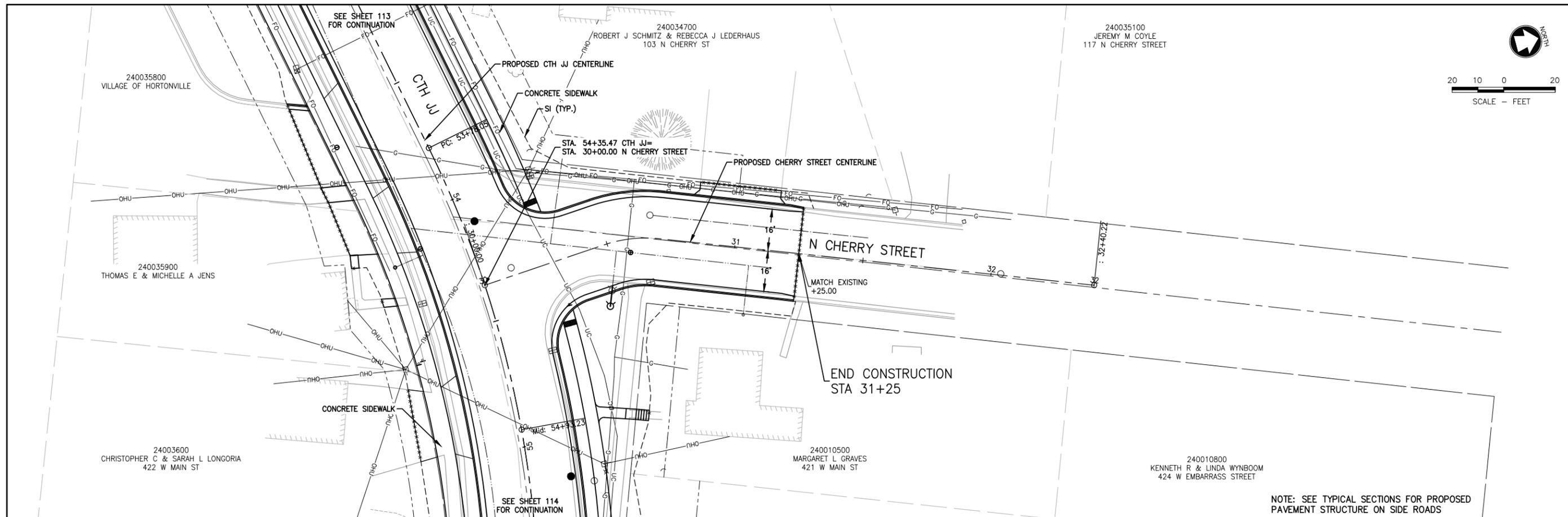
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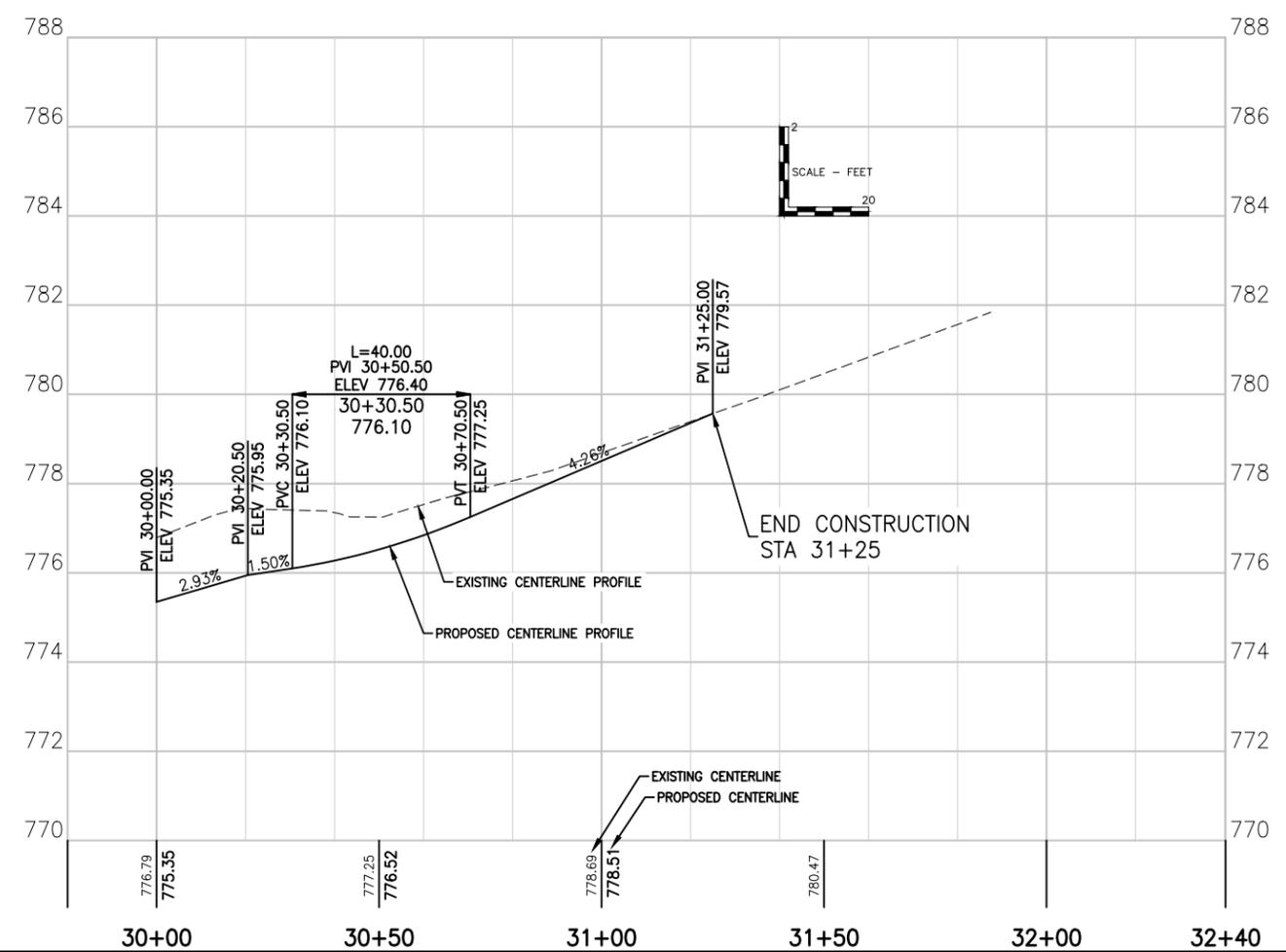
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**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ PLAN AND PROFILE**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	<b>116</b>

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NOTE: SEE TYPICAL SECTIONS FOR PROPOSED PAVEMENT STRUCTURE ON SIDE ROADS



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**CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 CHERRY STREET PLAN AND PROFILE**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>117</b>	

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ANTHONY G & JOAN F MIRANTI  
418 W MAIN ST

240036200  
CHERYL A CAMPSHURE &  
RAUL T ERICKSON

240000600  
VILLAGE OF HORTONVILLE

240000500  
VILLAGE OF HORTONVILLE

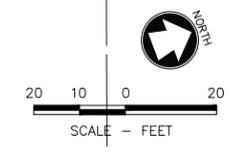
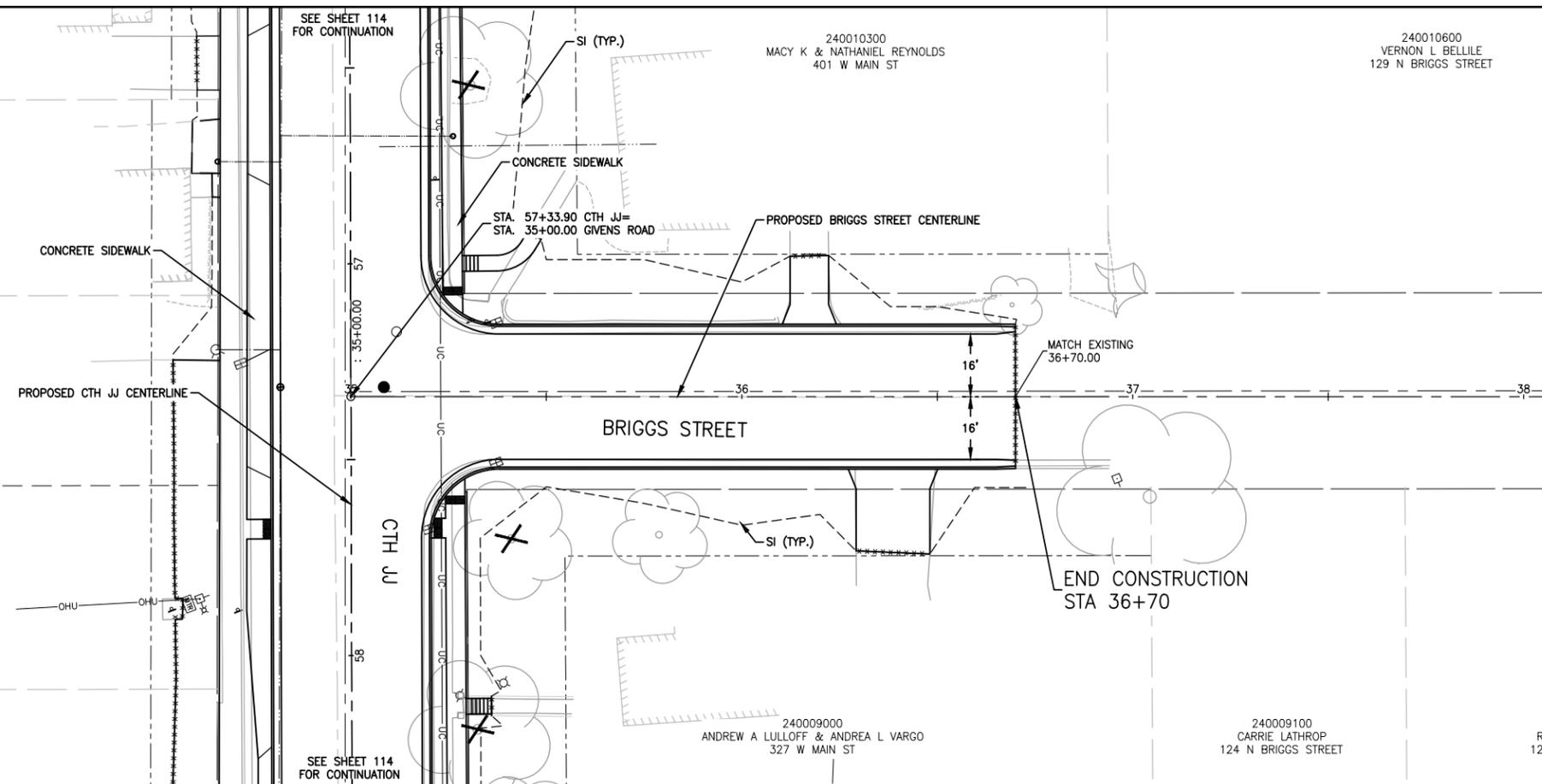
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MACY K & NATHANIEL REYNOLDS  
401 W MAIN ST

240010600  
VERNON L BELLILE  
129 N BRIGGS STREET

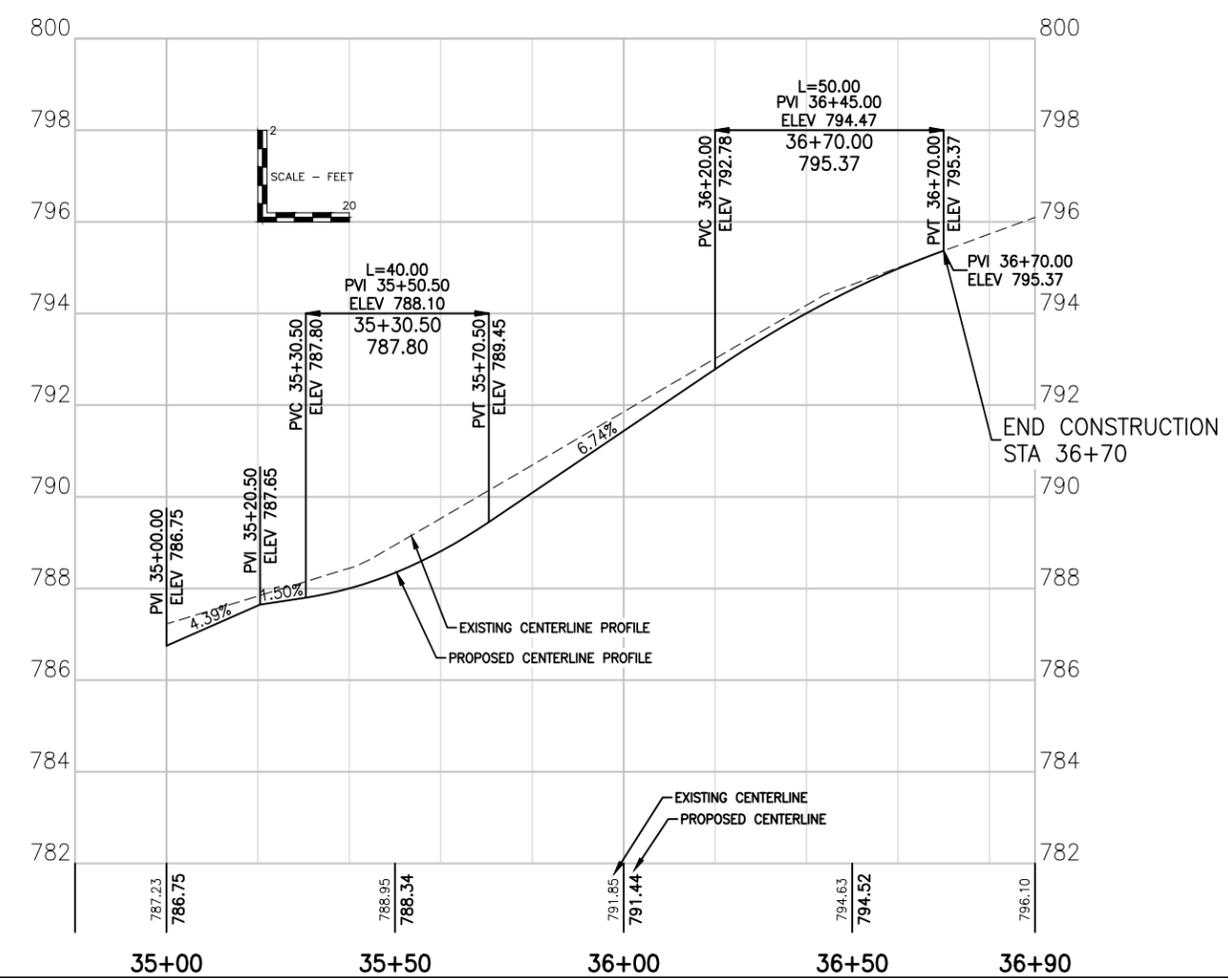
240009000  
ANDREW A LULLOFF & ANDREA L VARGO  
327 W MAIN ST

240009100  
CARRIE LATHROP  
124 N BRIGGS STREET

240009500  
RICHARD A VOKOLEK  
128 N BRIGGS STREET



NOTE: SEE TYPICAL SECTIONS FOR PROPOSED PAVEMENT STRUCTURE ON SIDE ROADS



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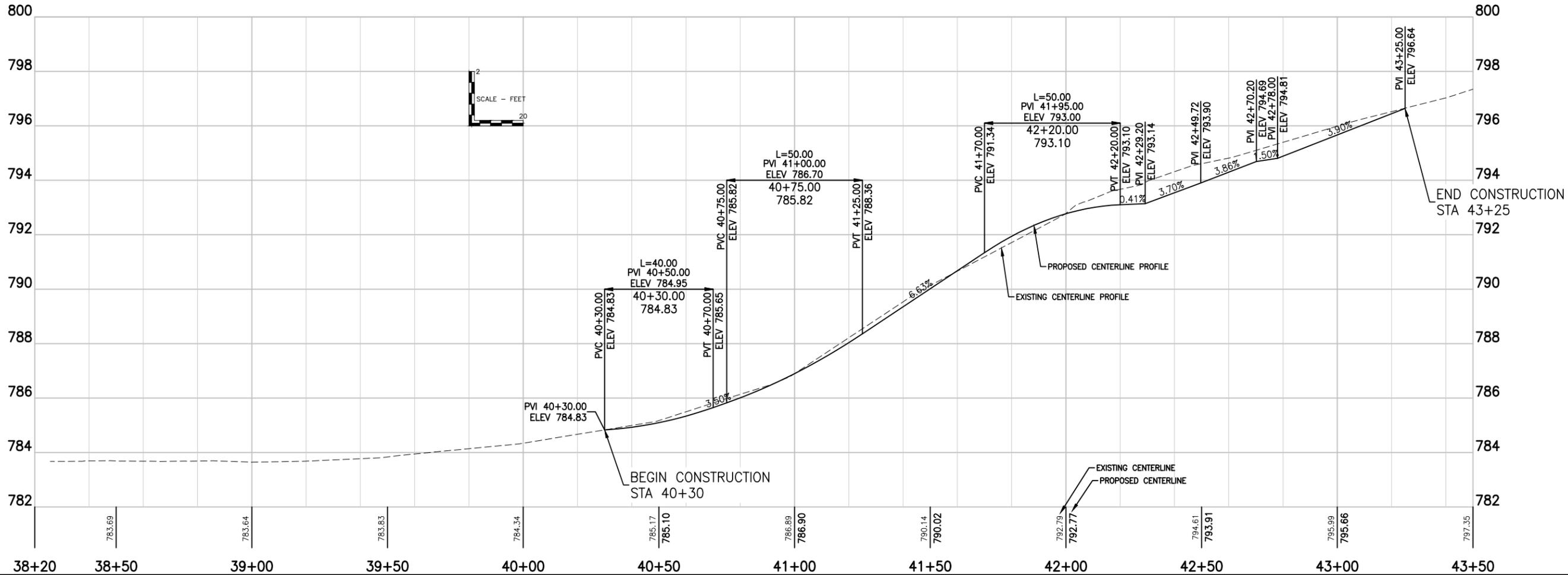
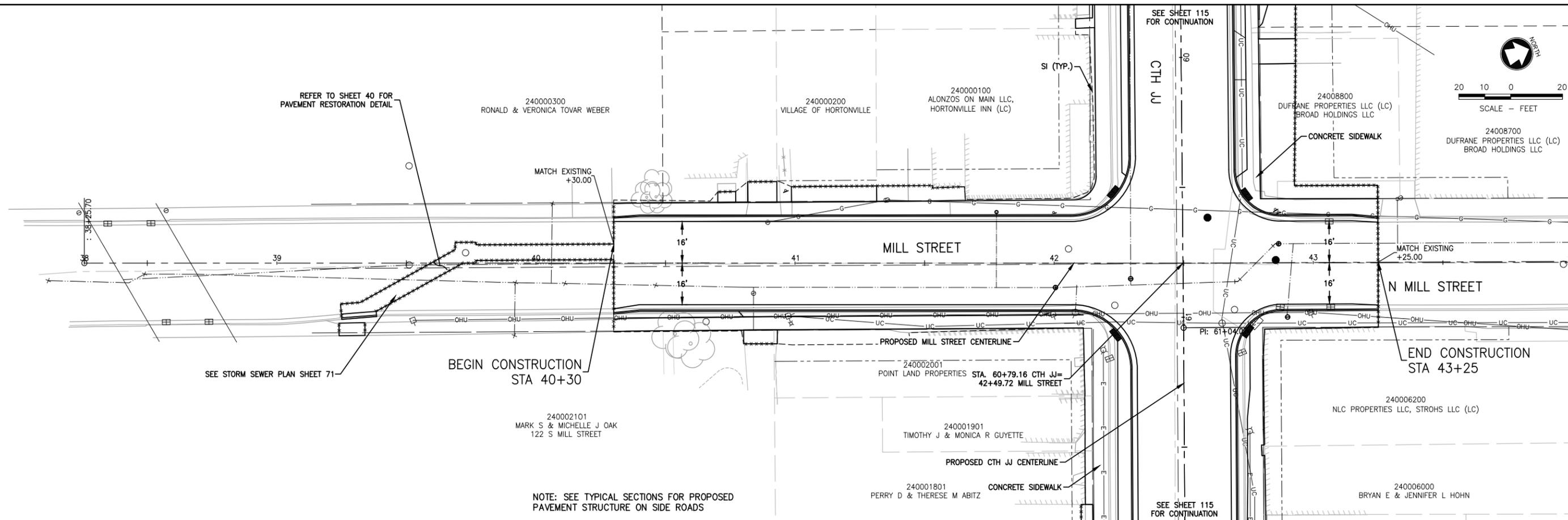
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**BRIGGS STREET PLAN AND PROFILE**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	<b>118</b>

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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**MILL STREET PLAN AND PROFILE**

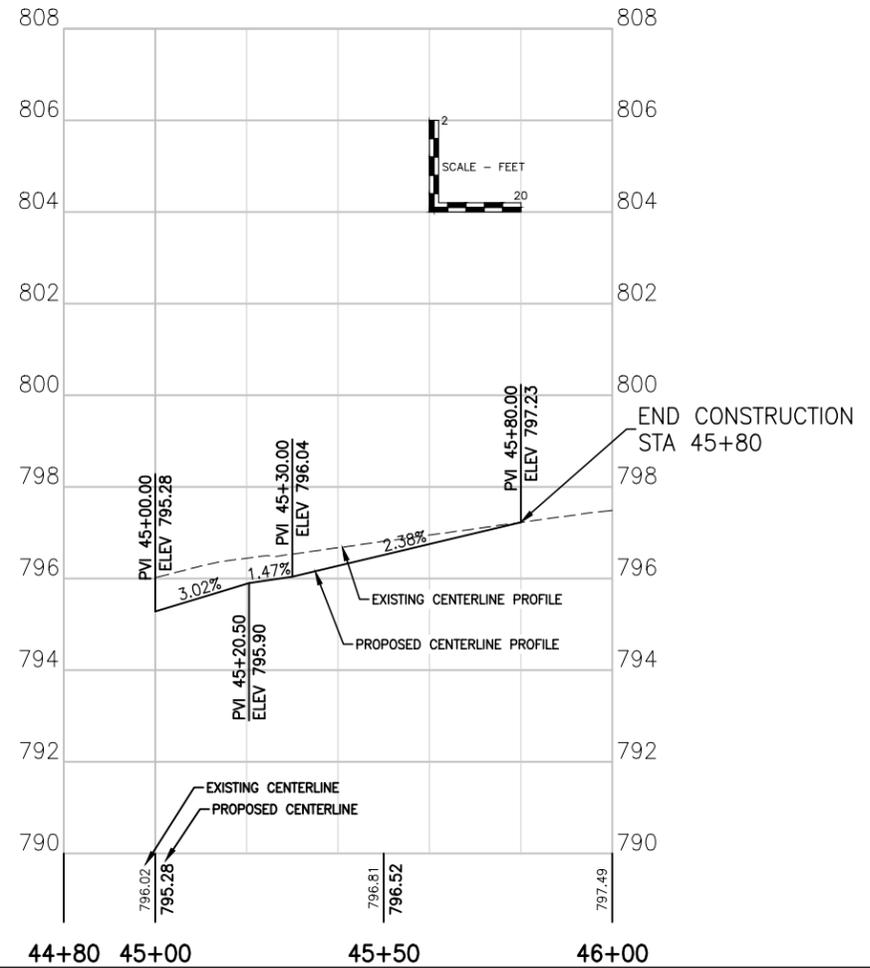
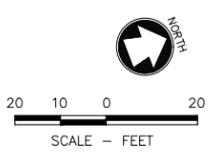
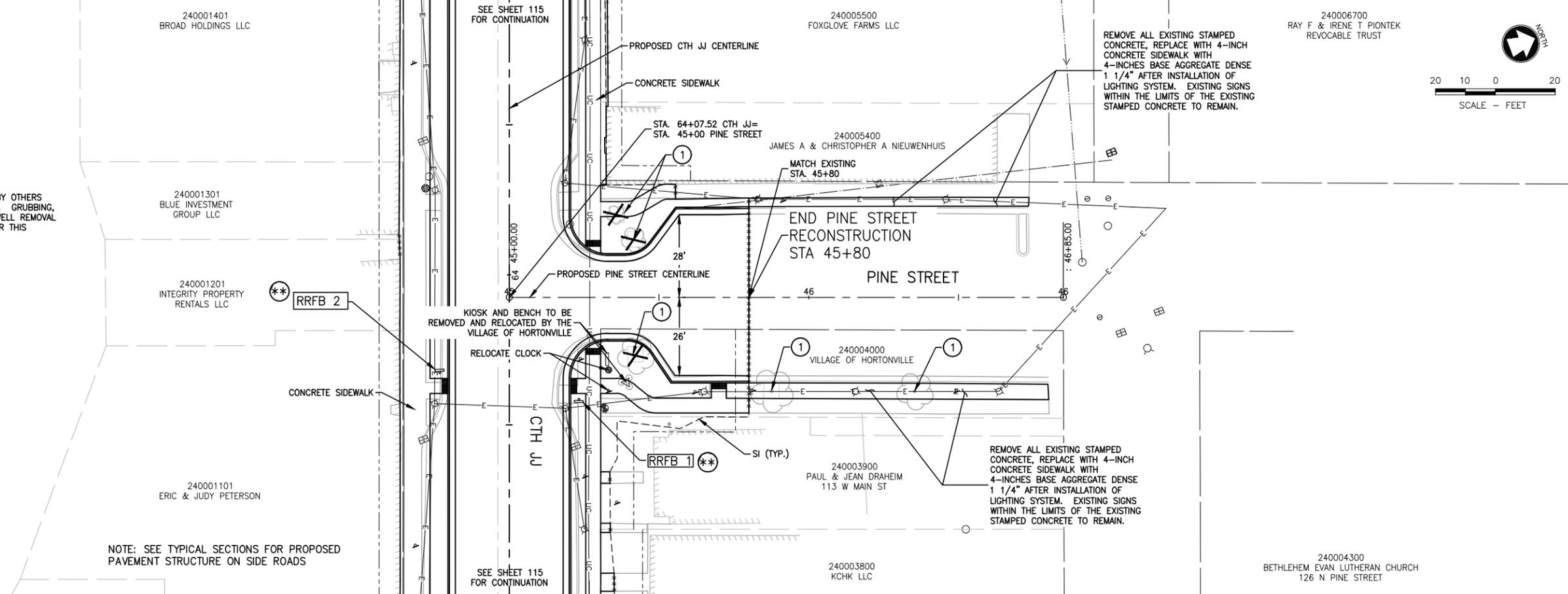
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PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>119</b>	

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① TREES TO BE CLEARED BY OTHERS PRIOR TO CONSTRUCTION. GRUBBING, TREE GRATE AND TREE WELL REMOVAL TO BE COMPLETED UNDER THIS CONTRACT.

NOTE: SEE TYPICAL SECTIONS FOR PROPOSED PAVEMENT STRUCTURE ON SIDE ROADS

⊛ REFERENCE LIGHTING PLAN SHEET 81 & CONSTRUCTION DETAIL ON SHEET 11 FOR ADDITIONAL INFORMATION ON RRFBS



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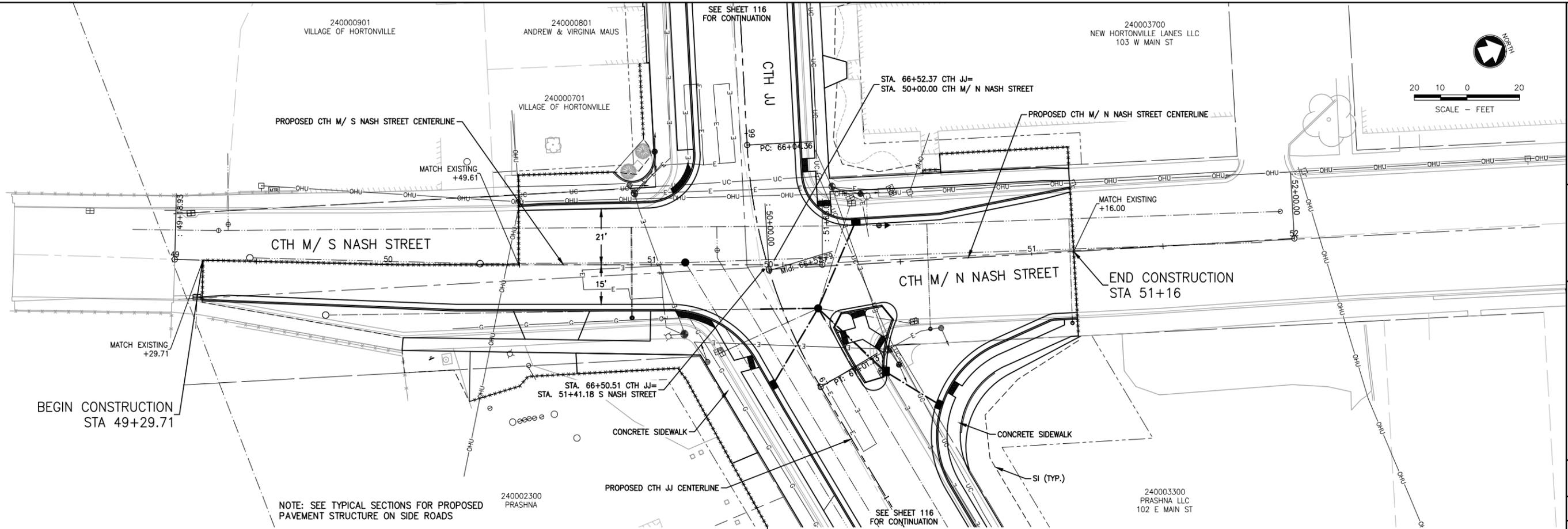
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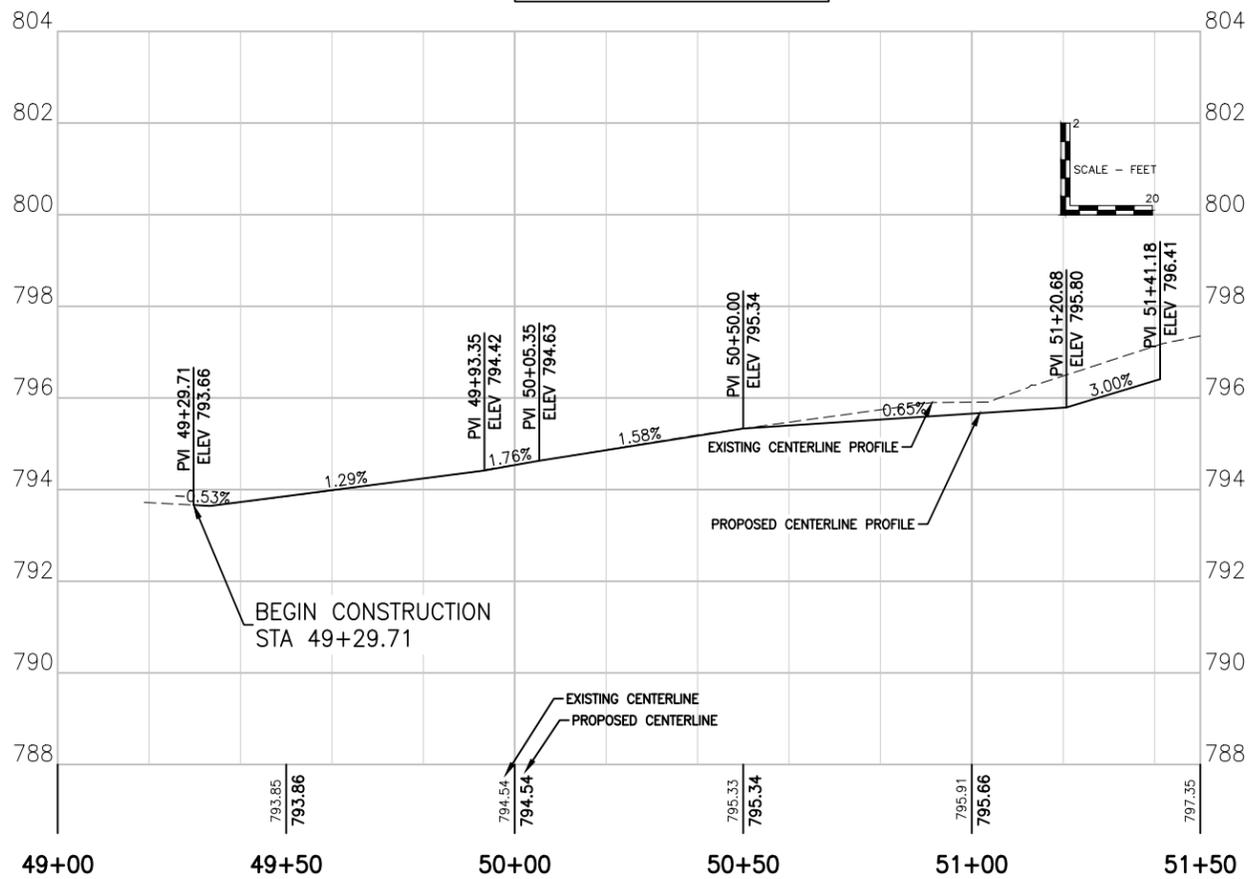
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 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 PINE STREET PLAN AND PROFILE**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>120</b>	

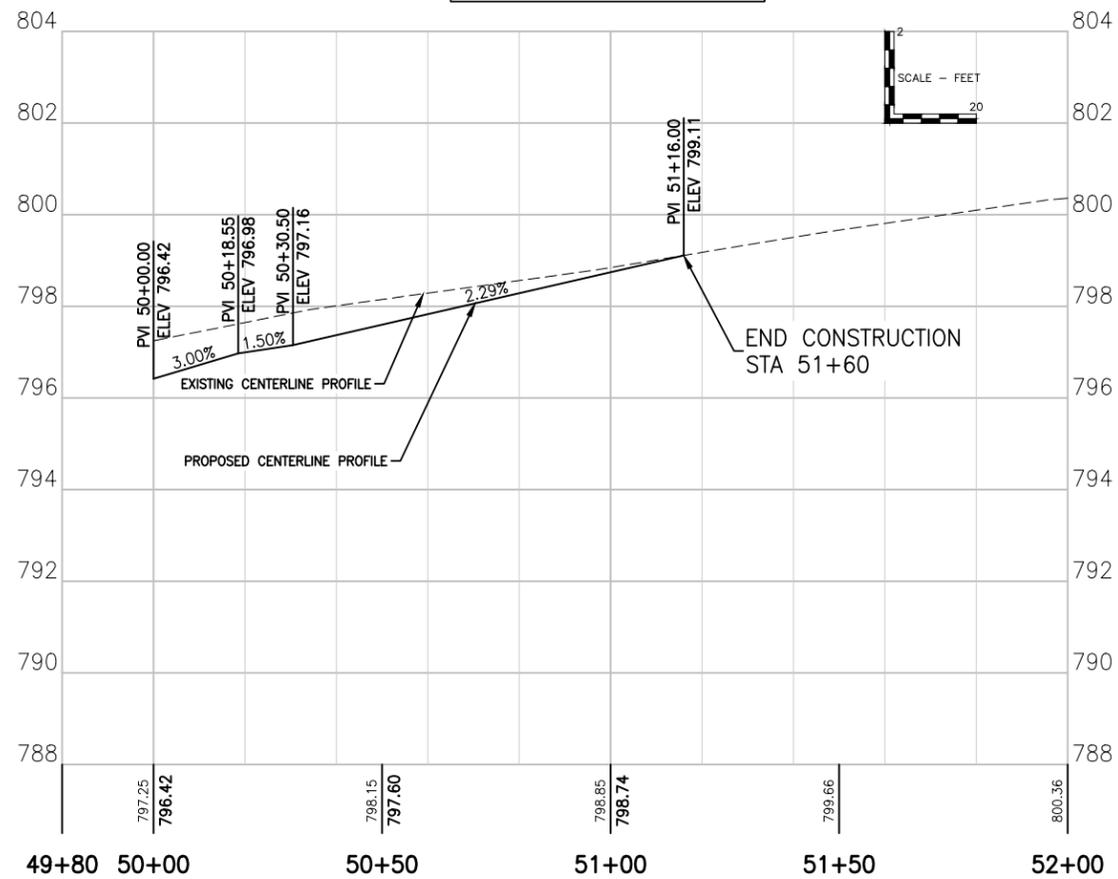
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CTH M/ S NASH STREET PROFILE



CTH M/ N NASH STREET PROFILE



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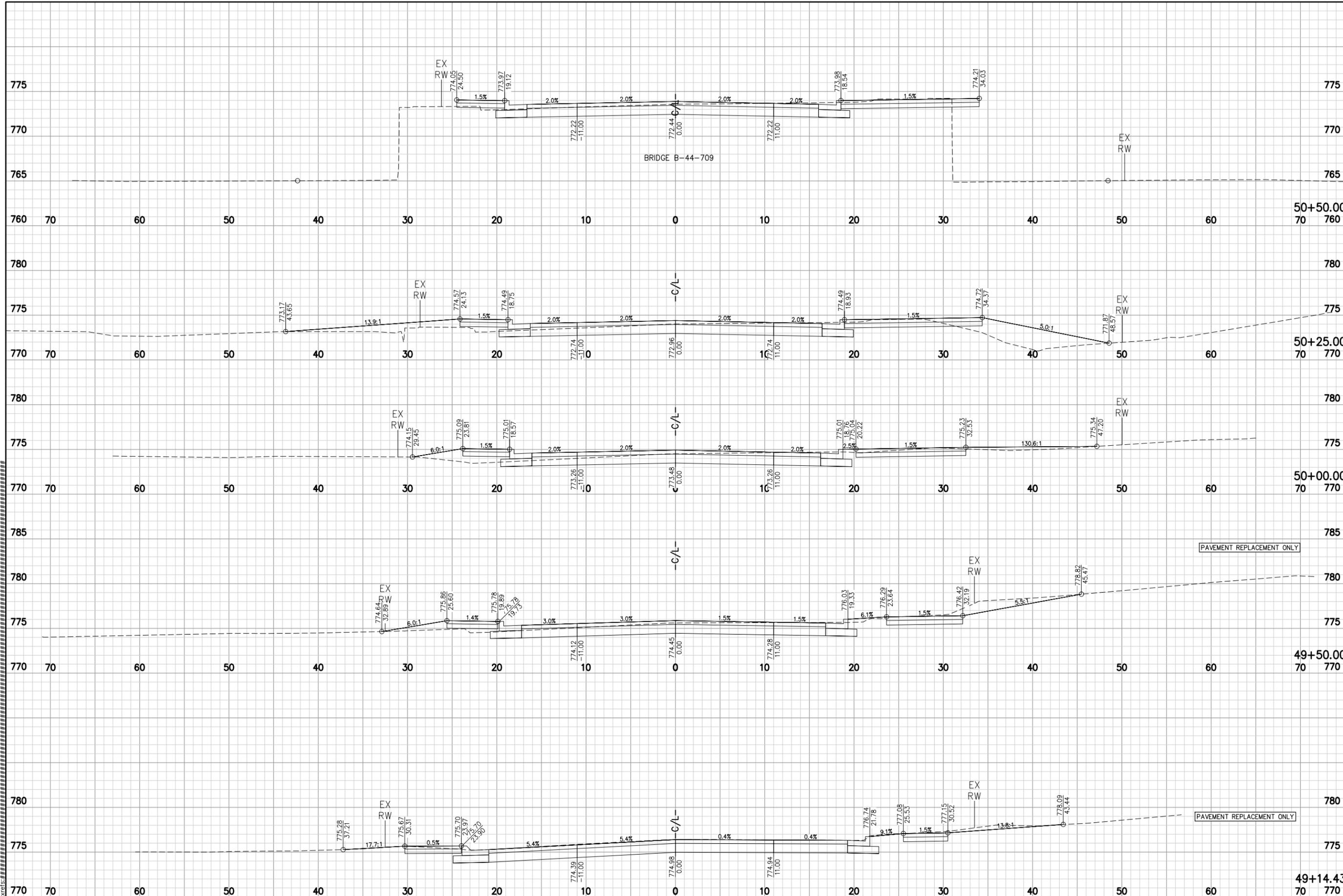
NO.	DATE	REVISION

CTH JJ (OLD STH 15) RECONSTRUCTION  
 VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
 CTH M- NASH STREET PLAN AND PROFILE

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PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>121</b>	



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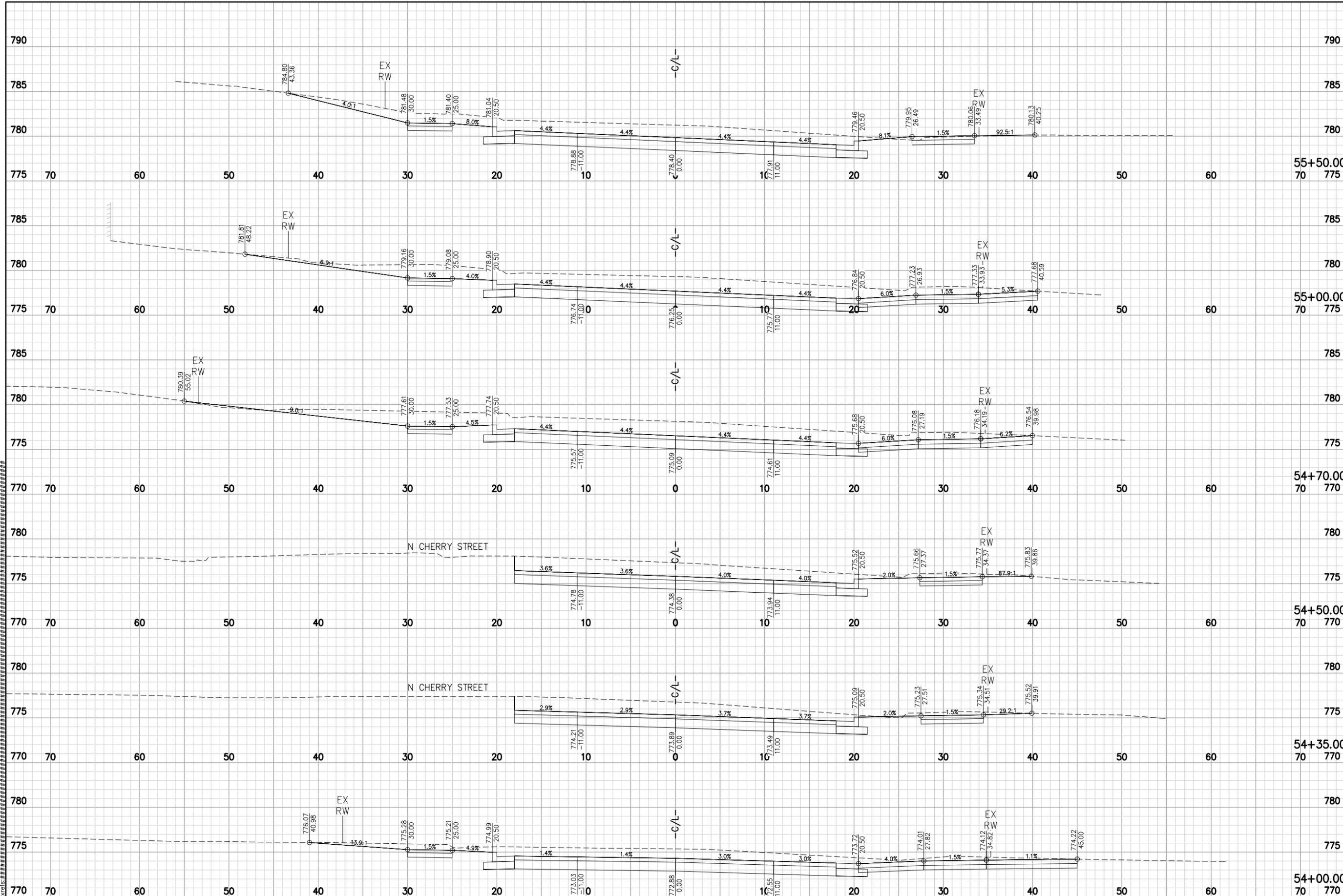
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>XS2</b>	



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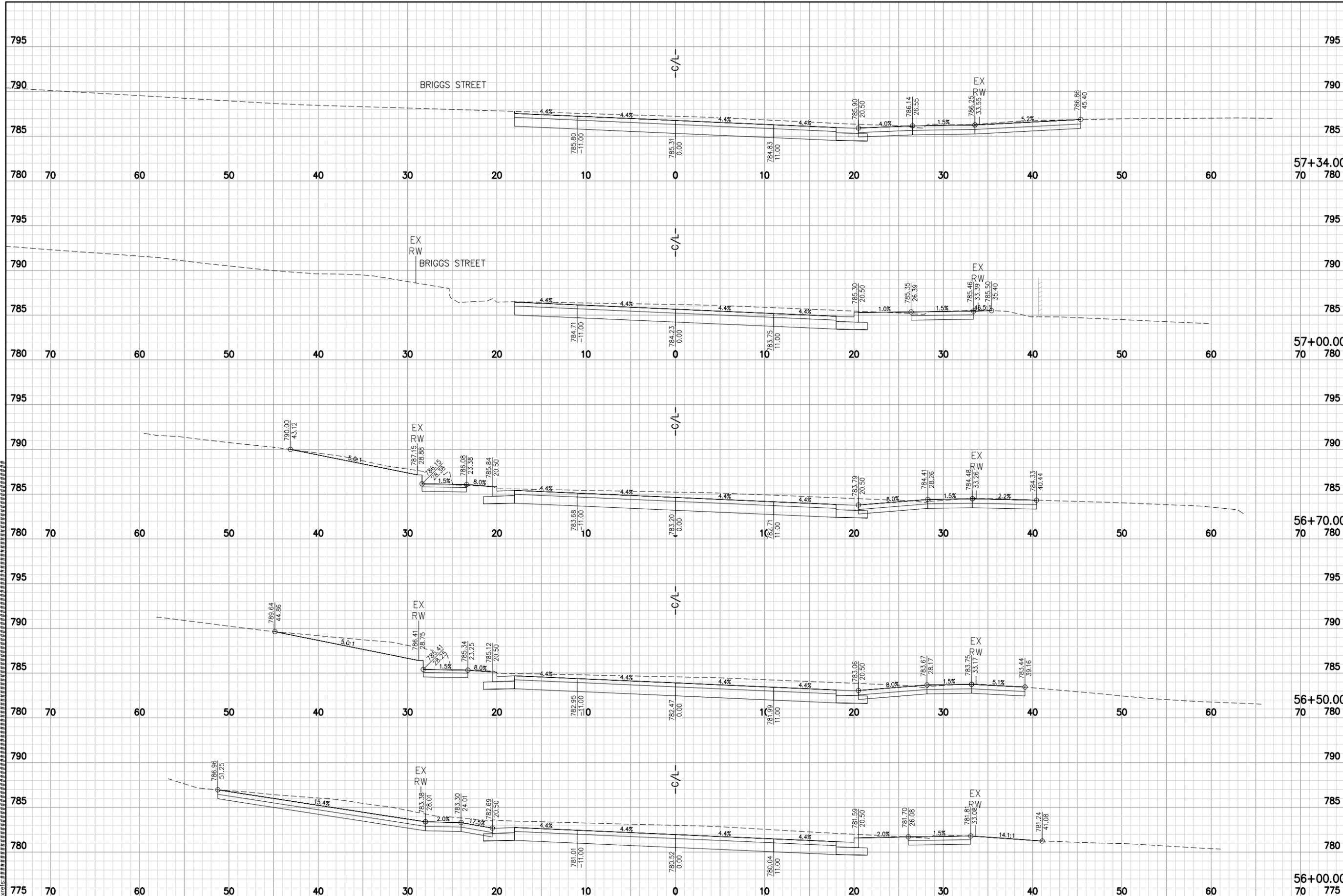
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CTH JJ (OLD STH 15) RECONSTRUCTION  
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 CTH JJ DOWNTOWN CROSS SECTIONS

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>XS4</b>	

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**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>XS5</b>	

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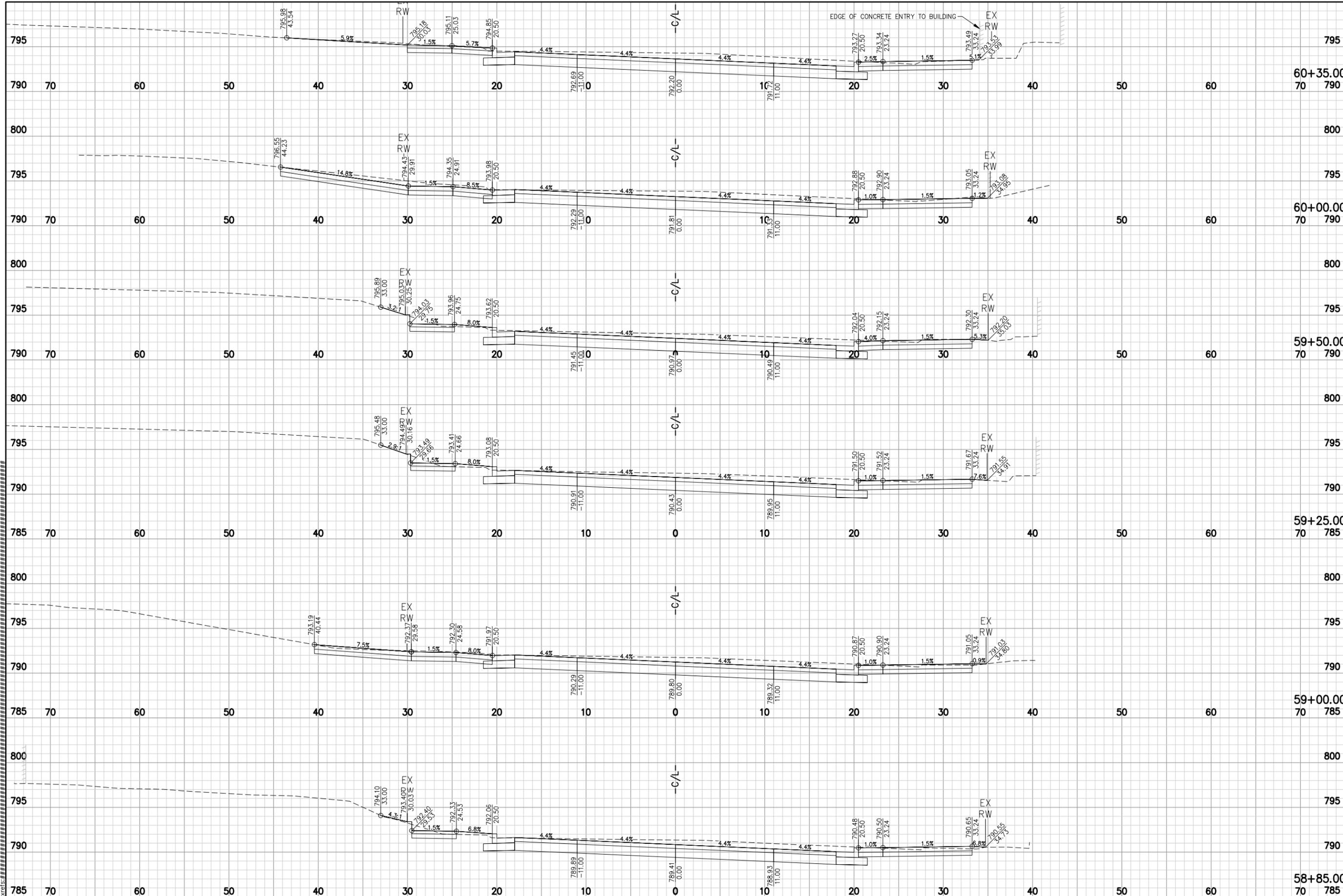
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**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>XS6</b>	

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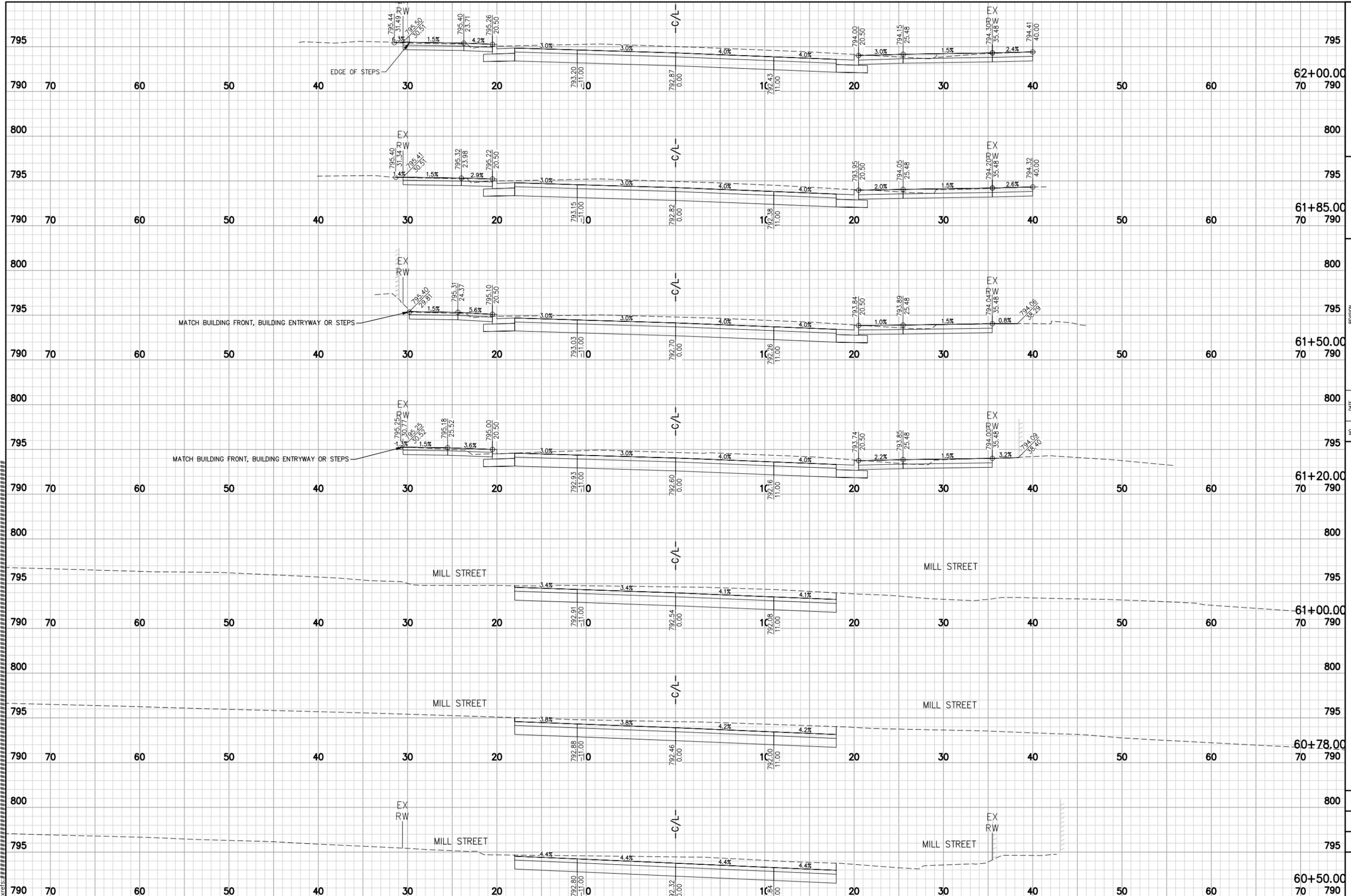
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**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>XS7</b>	

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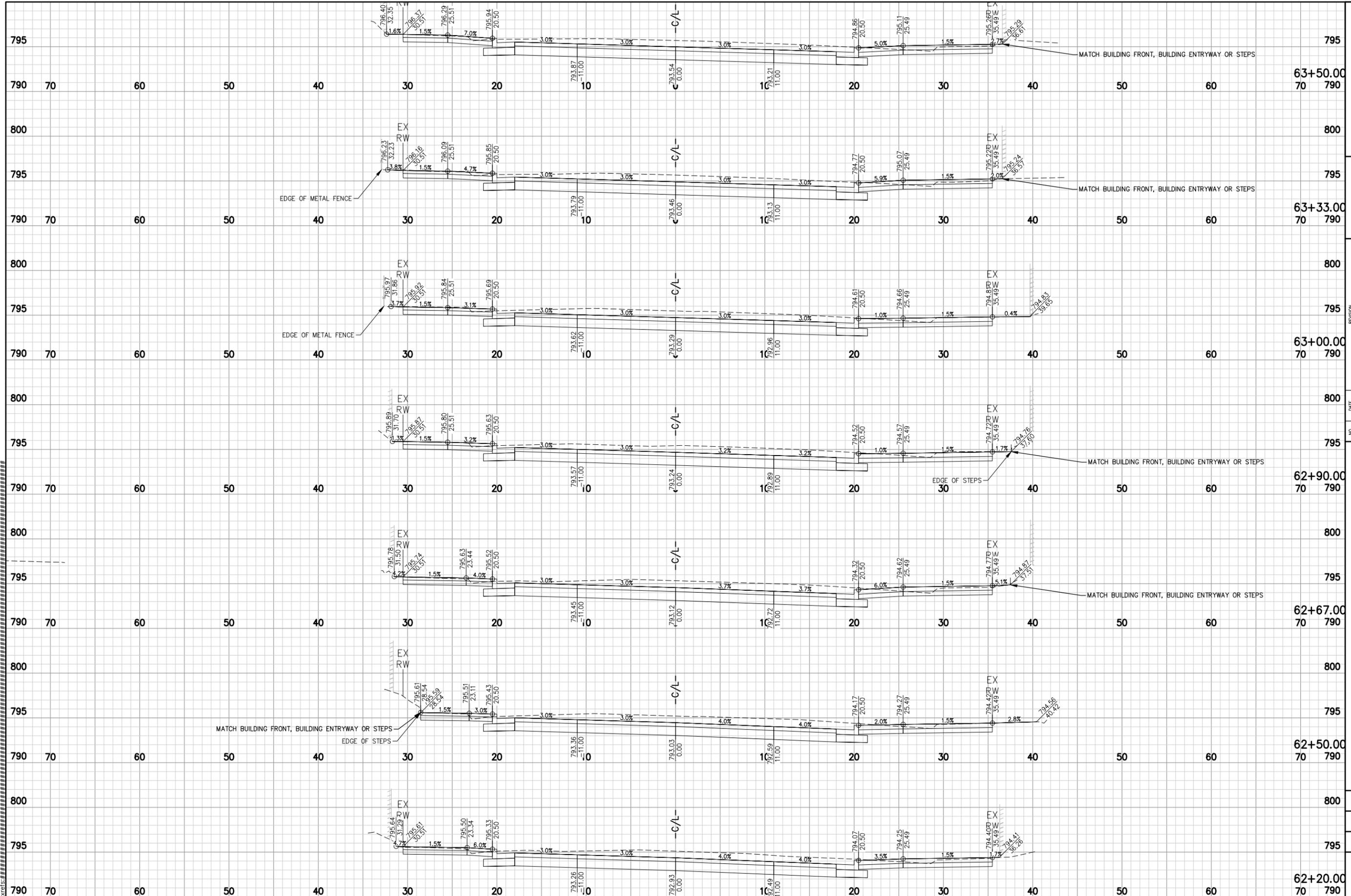
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAME COUNTY, WI**  
**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>XS8</b>	

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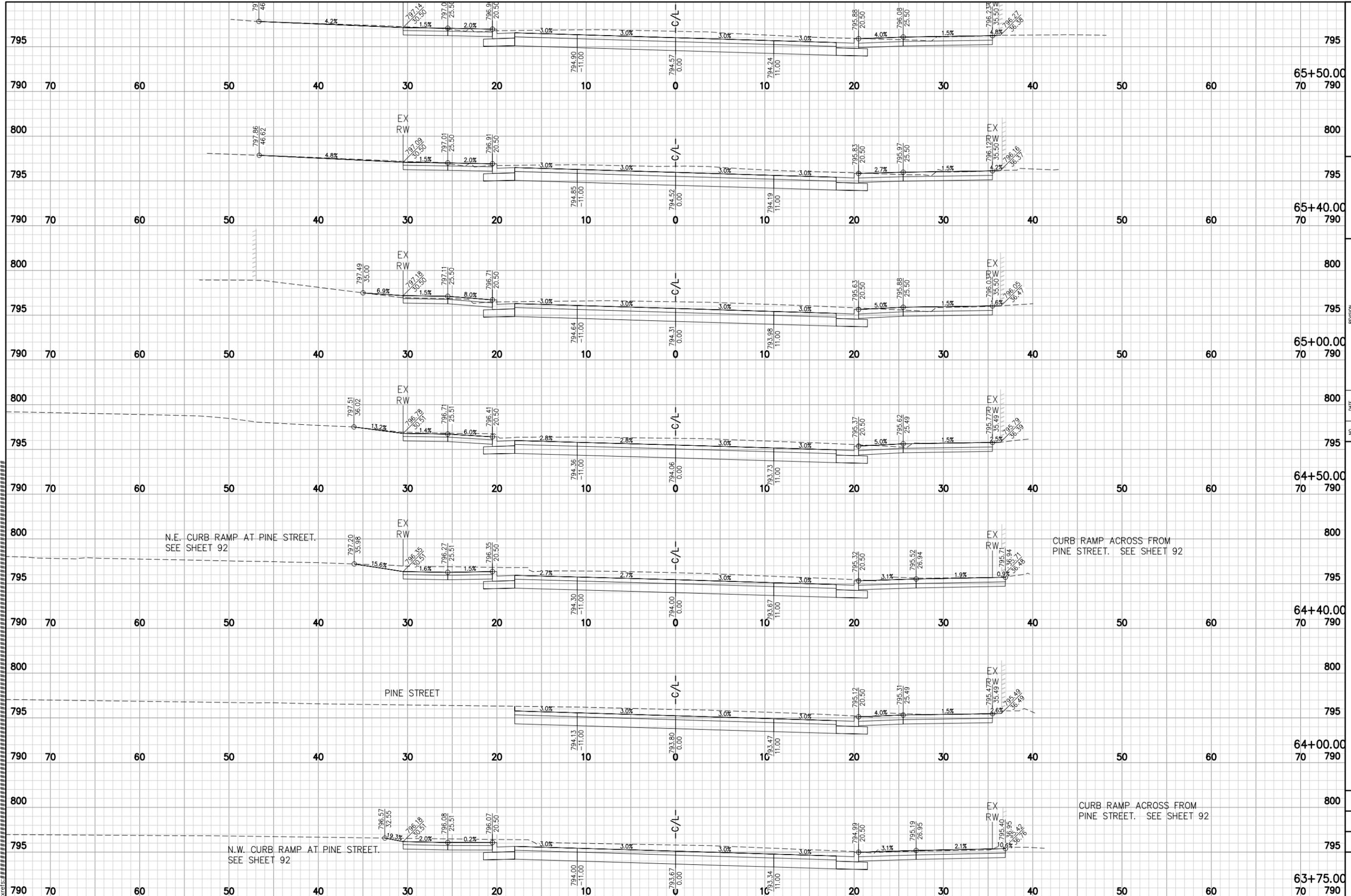
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>XS9</b>	

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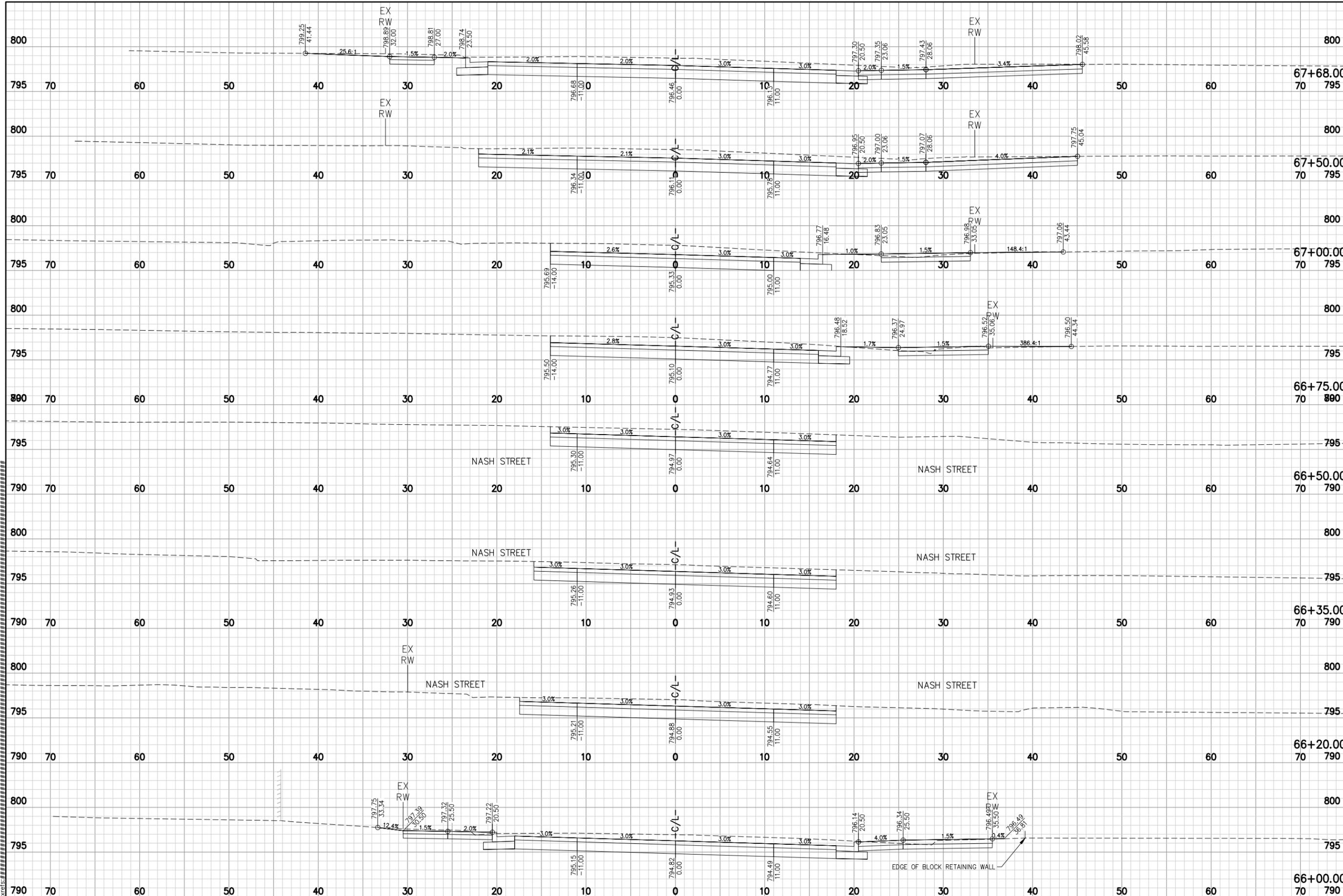
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**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>XS10</b>	

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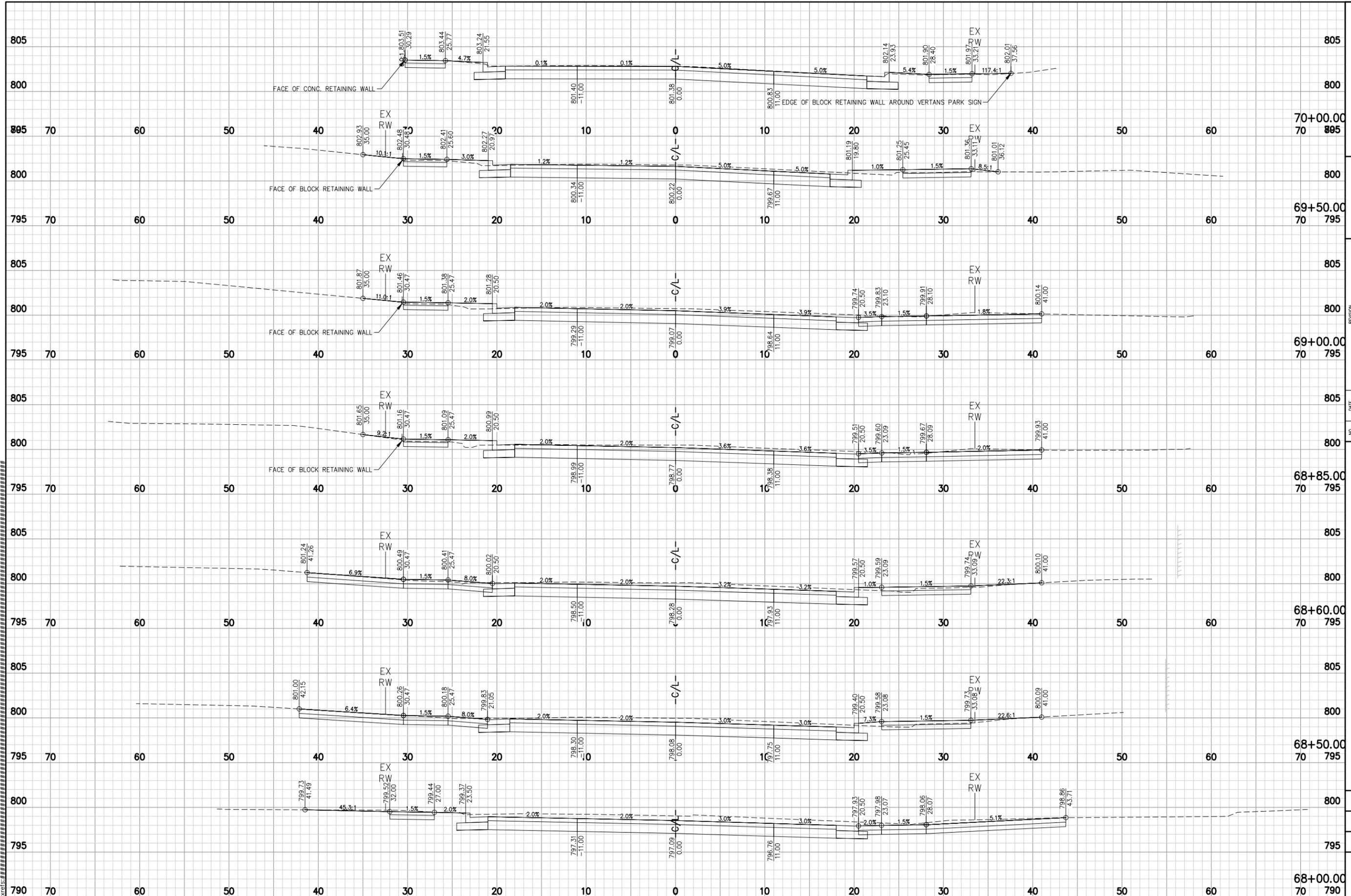
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**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>XS11</b>	

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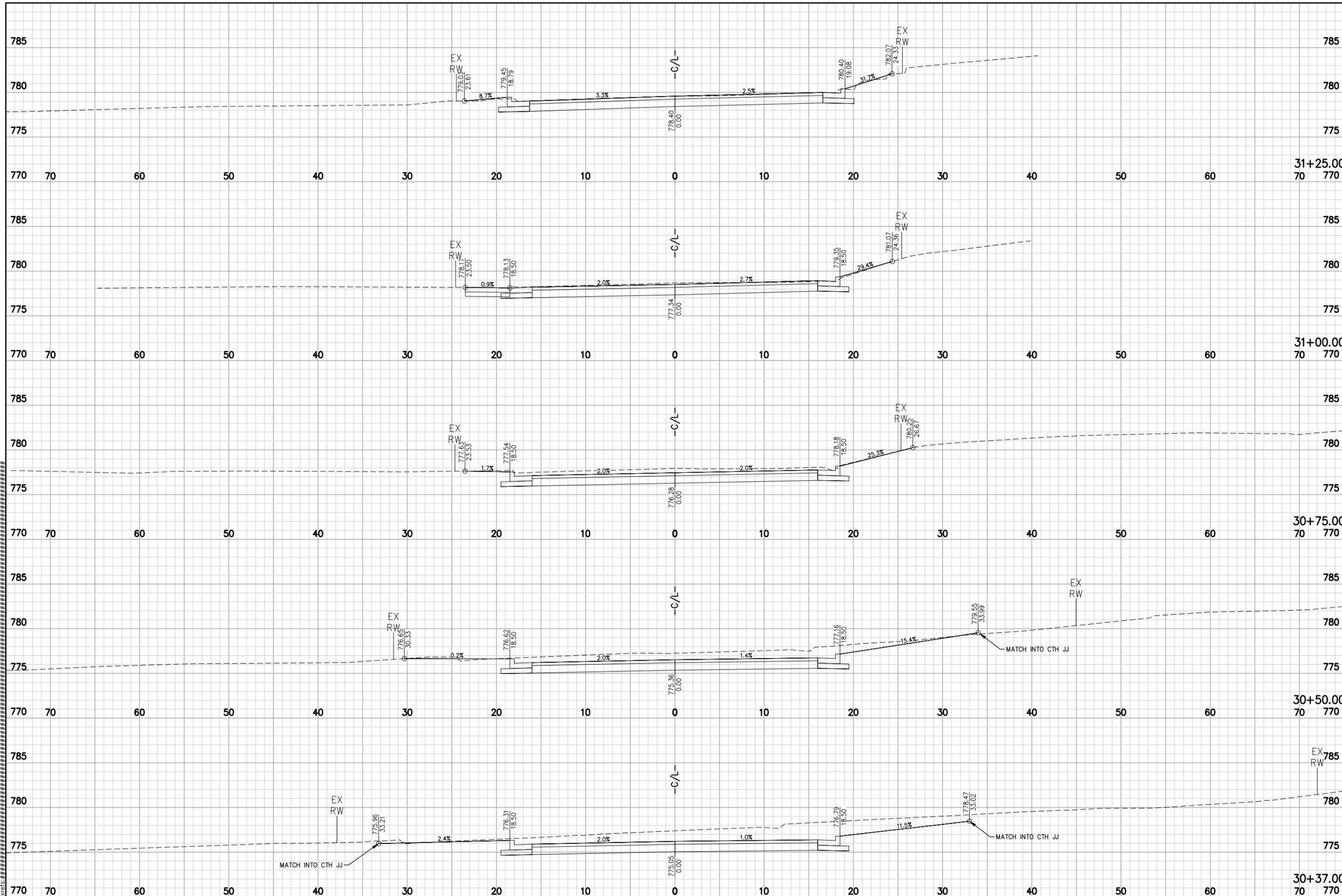
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH JJ DOWNTOWN CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>XS12</b>	



j:\mesner\_w\PROJECTS\00006\082300501\CADD\Civil\3D\CSD\_Sources\CTH\_JJ\_Corridor\_Downtown.dwg, cherry street --vs-49, Plot Date: 2/11/2026 10:07 AM, xgs



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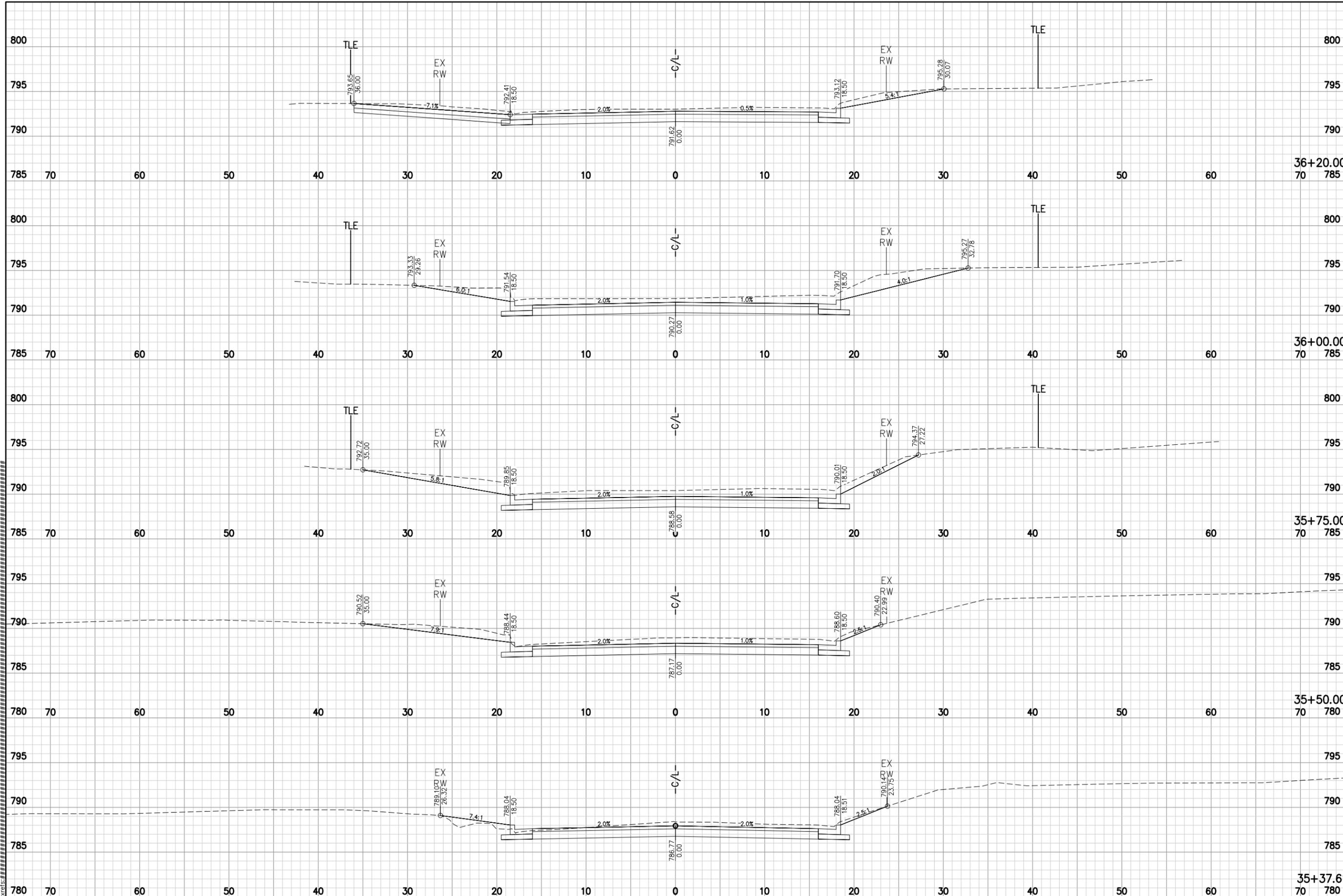
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CHERRY STREET CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>XS14</b>	



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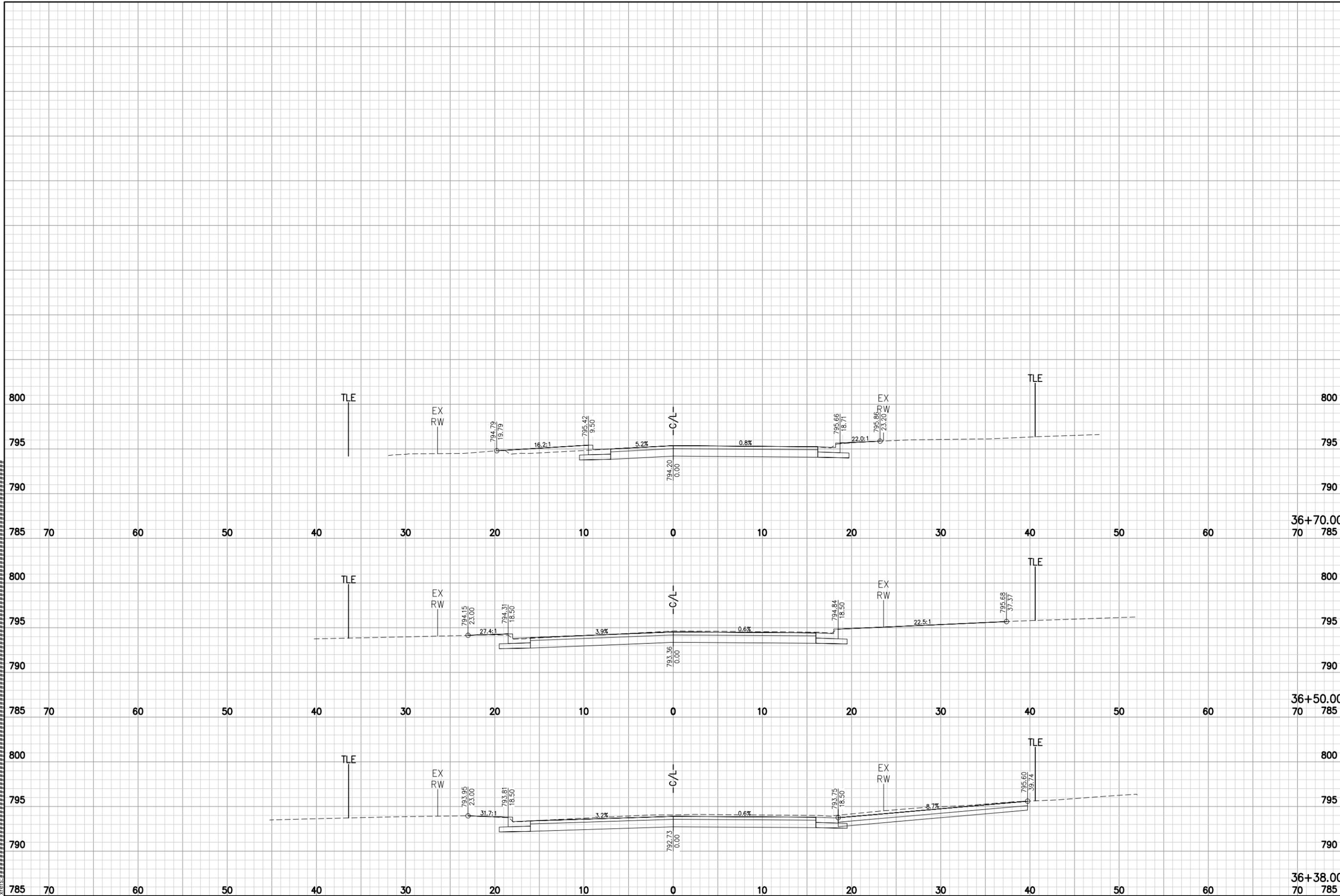
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NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**BRIGGS STREET CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>XS16</b>	

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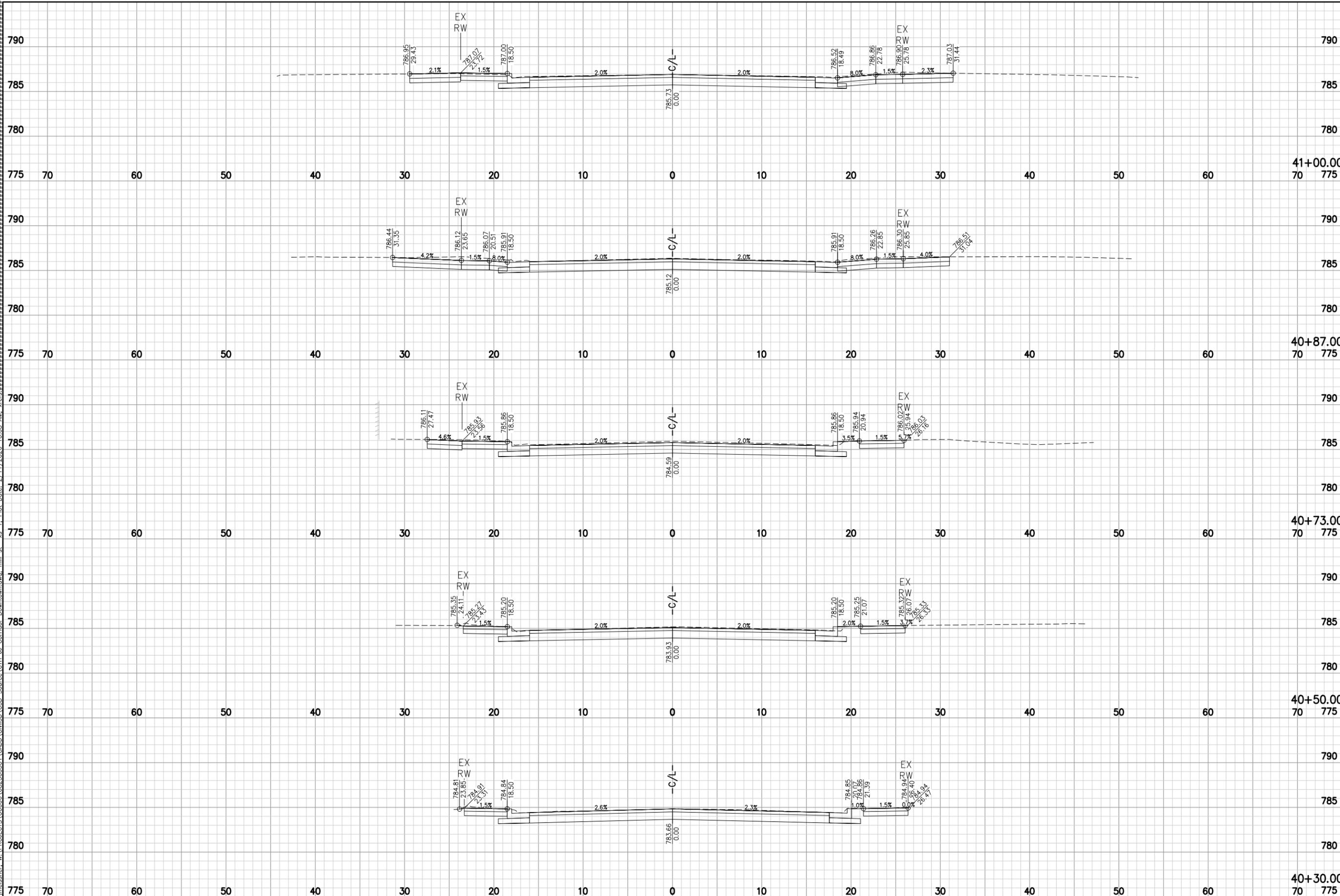
NO.	DATE	REVISION

**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**BRIGGS STREET CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>XS17</b>	



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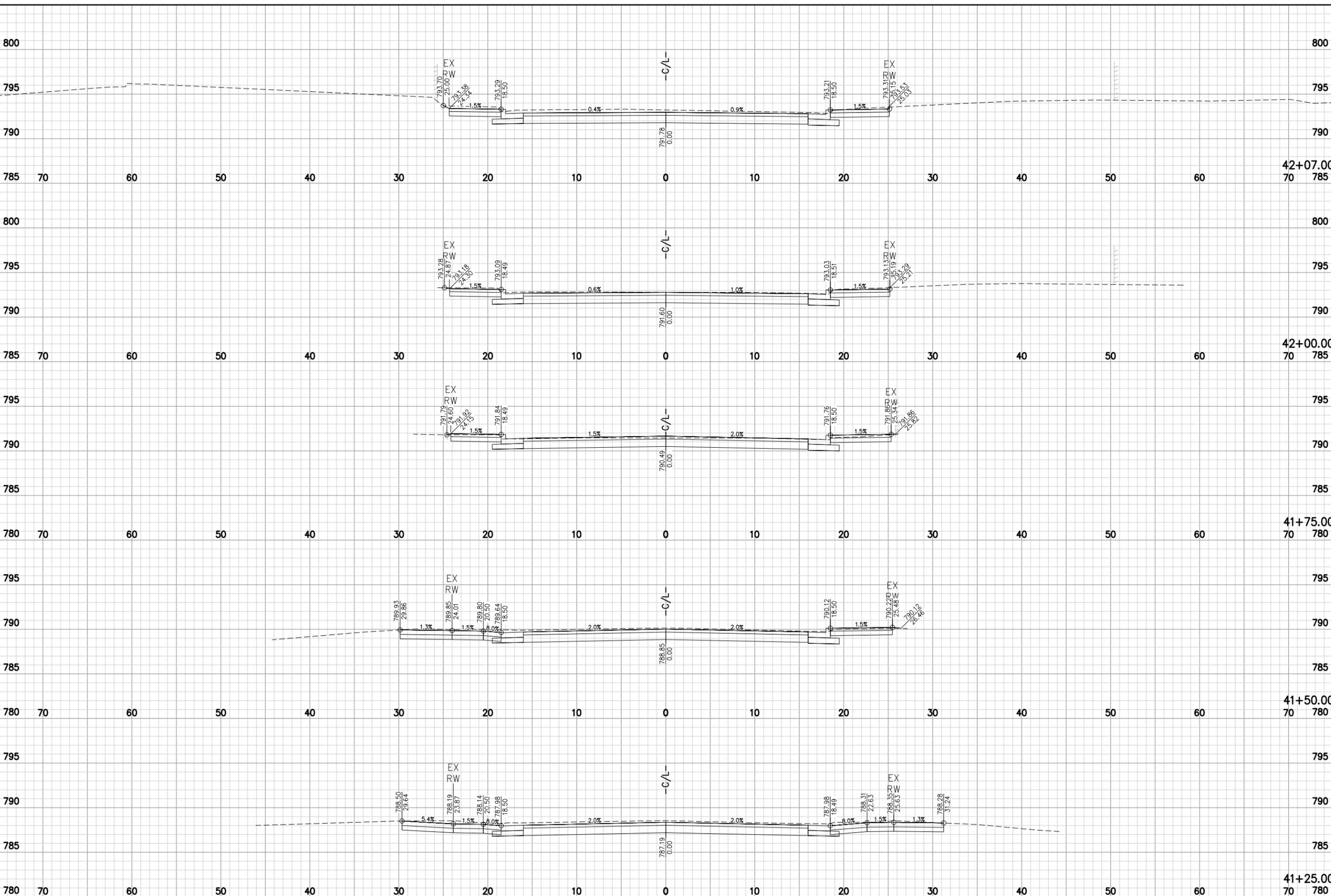
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**CTH JJ (OLD STH 15) RECONSTRUCTION**  
**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**MILL STREET CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	DATE 2026
SHEET NO. <b>XS19</b>	

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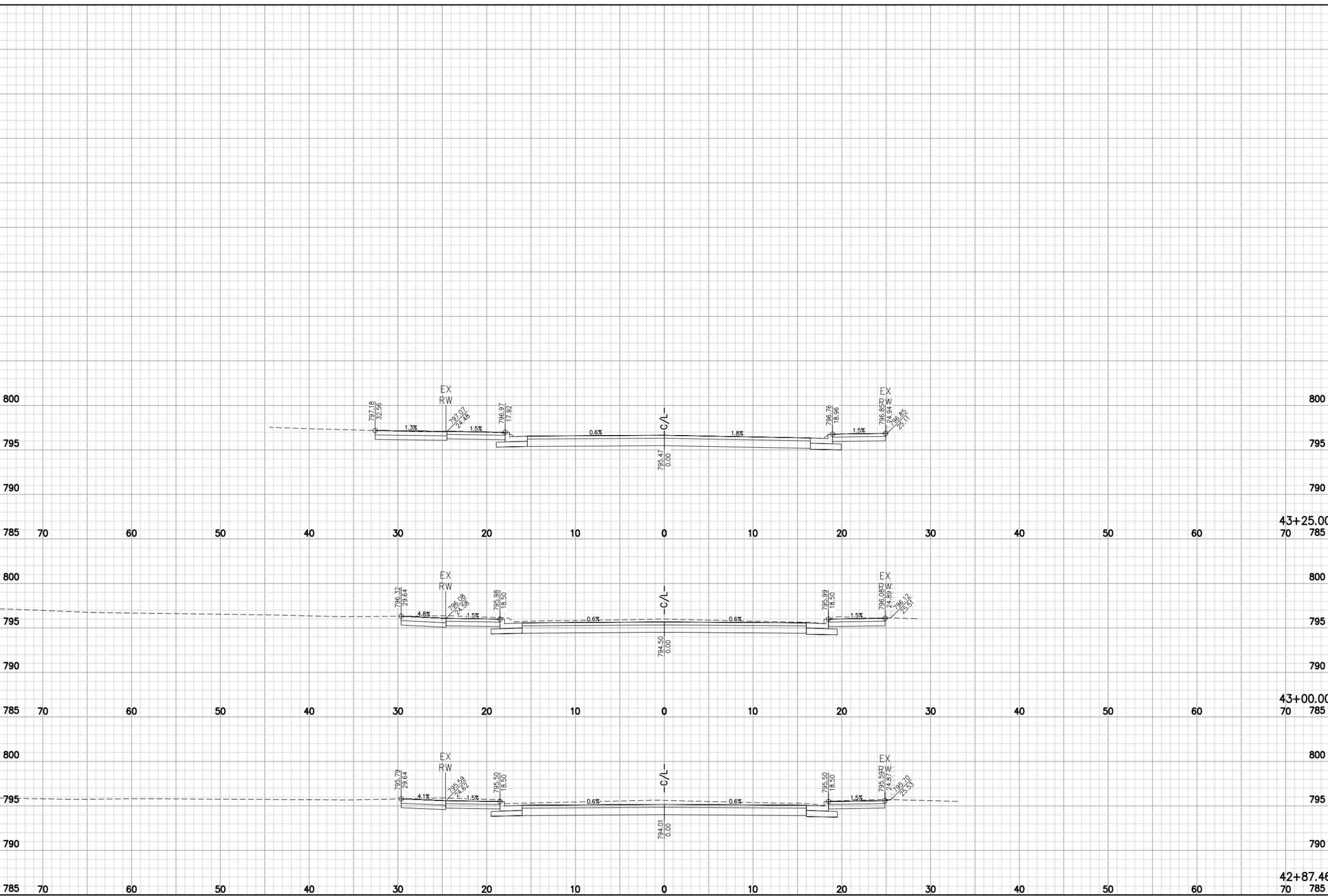
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**MILL STREET CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO.	00006 08-23-00501
DATE	2026
SHEET NO.	<b>XS20</b>

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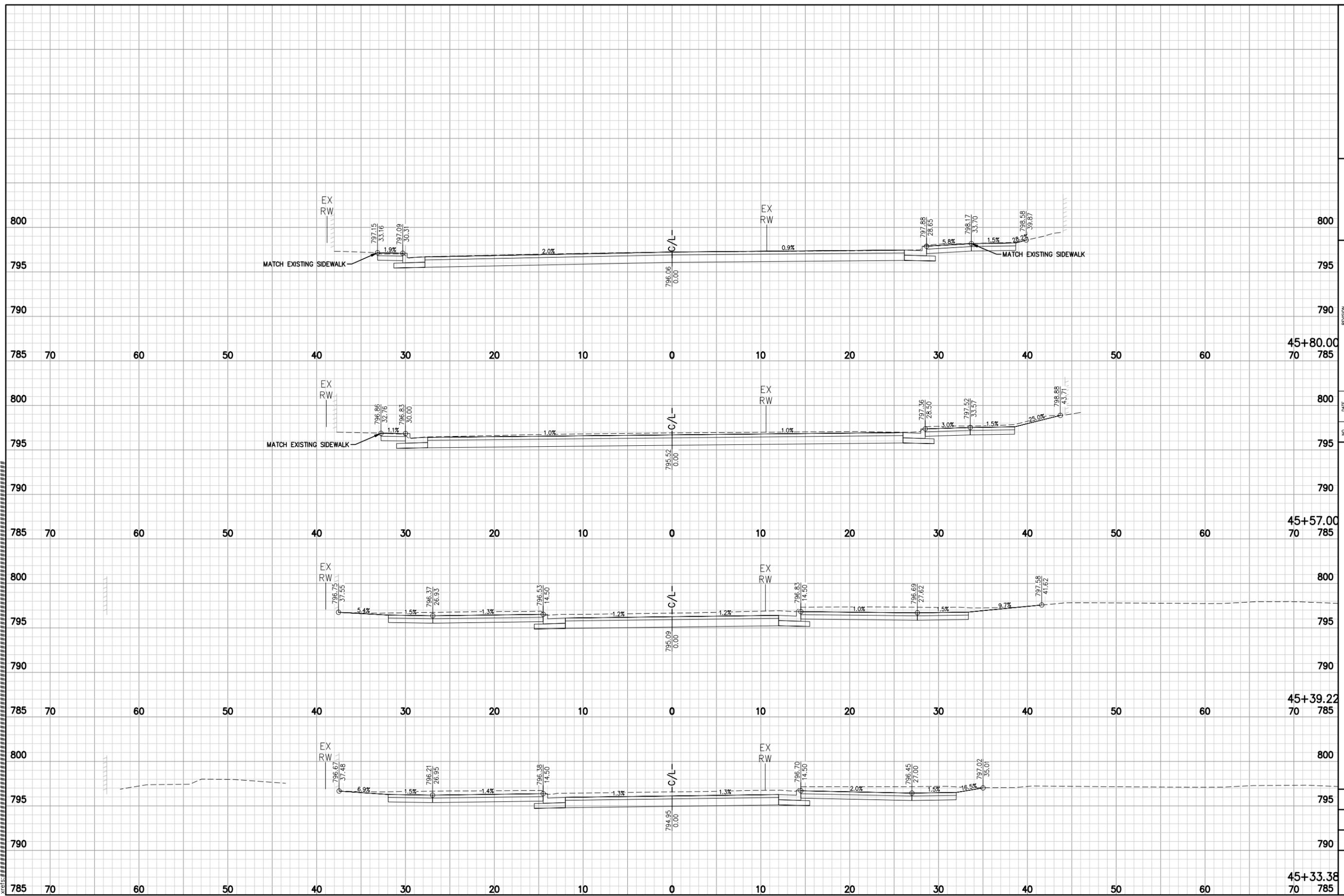
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**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**MILL STREET CROSS SECTIONS**

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DATE 2026	
SHEET NO. <b>XS21</b>	



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**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**PINE STREET CROSS SECTIONS**

DESIGNED	DRAWN
PROJECT NO. 00006 08-23-00501	
DATE 2026	
SHEET NO. <b>XS23</b>	

N Nash Street EARTHWORK						
Station	Fill Area (SF)	Cut Area (SF)	Fill Volume (CY)	Cut Volume (CY)	Cumulative Fill Vol (CY)	Cumulative Cut (CY)
50+25.00	0.00	88.79	0.00	0.00	0.00	0.00
50+50.00	0.00	189.87	0.00	129.01	0.00	129.01
50+75.00	0.00	104.15	0.00	136.12	0.00	265.13
51+00.00	0.00	87.97	0.00	88.94	0.00	354.08
51+16.00	0.00	81.14	0.00	50.11	0.00	404.18

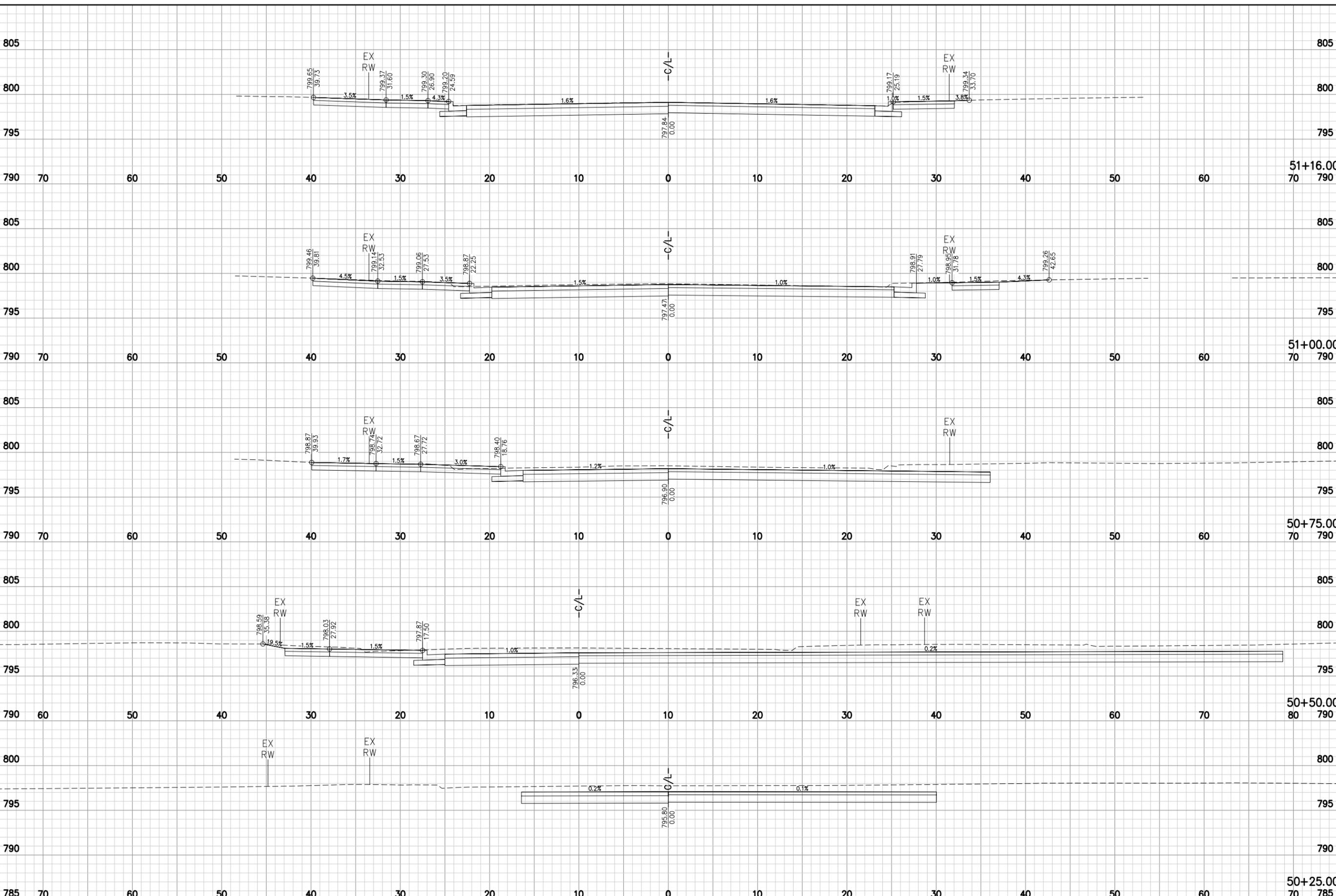
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VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI  
CTH M- N. NASH STREET CROSS SECTIONS**

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**VILLAGE OF HORTONVILLE, OUTAGAMIE COUNTY, WI**  
**CTH M - N. NASH STREET CROSS SECTIONS**

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DATE 2026	
SHEET NO. <b>XS25</b>	



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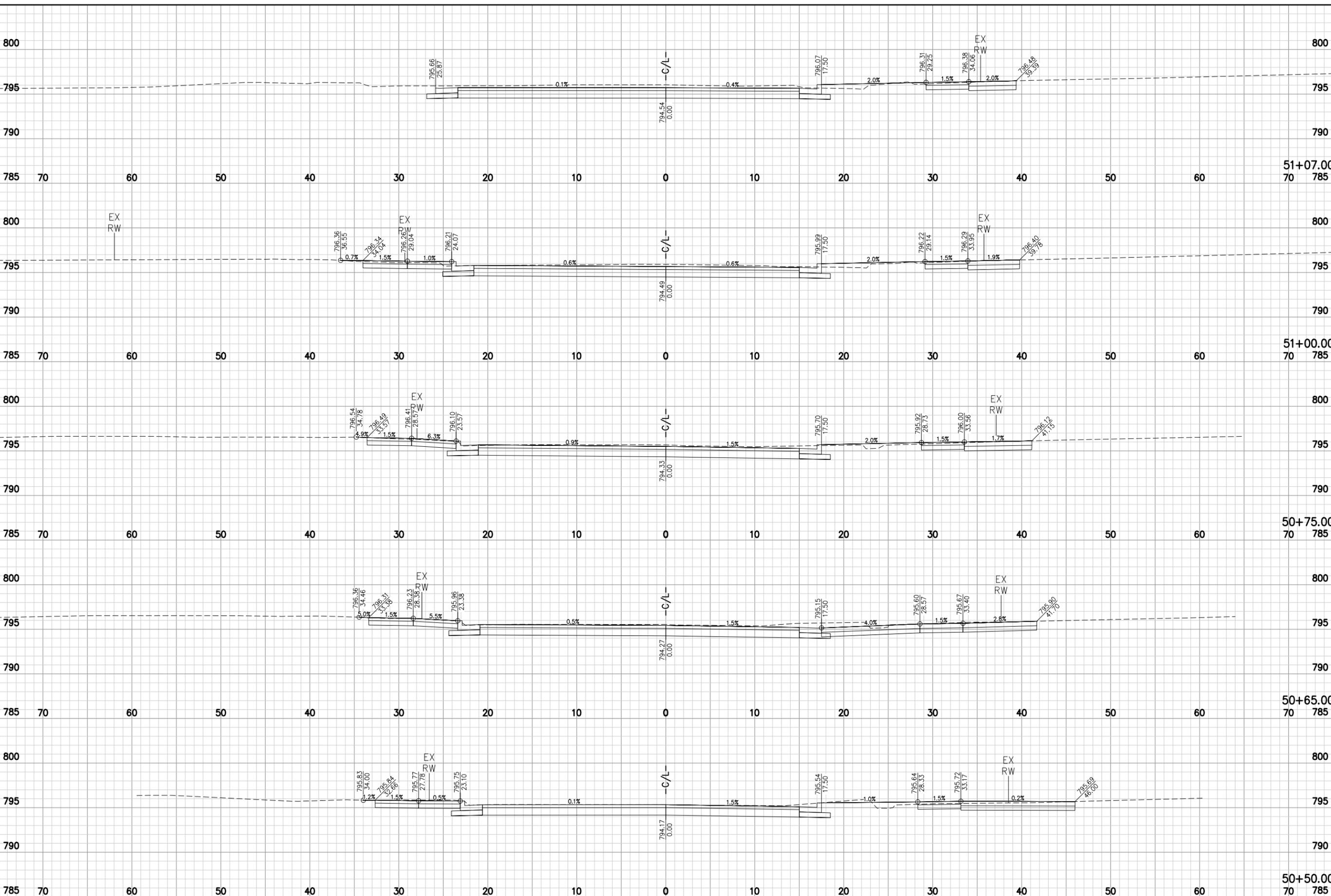
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SHEET NO. <b>XS27</b>	

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DATE 2026	
SHEET NO. <b>XS28</b>	