

BIDDING PLAN SET

Rev. 5/08/2020

CE TRAIL AND HIGHWAY IMPROVEMENTS CITY OF KAUKAUNA AND OUTAGAMIE COUNTY

OUTAGAMIE COUNTY, WISCONSIN
OUTAGAMIE COUNTY #598700
MCM # K0006 81700105

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CONTACT INFORMATION

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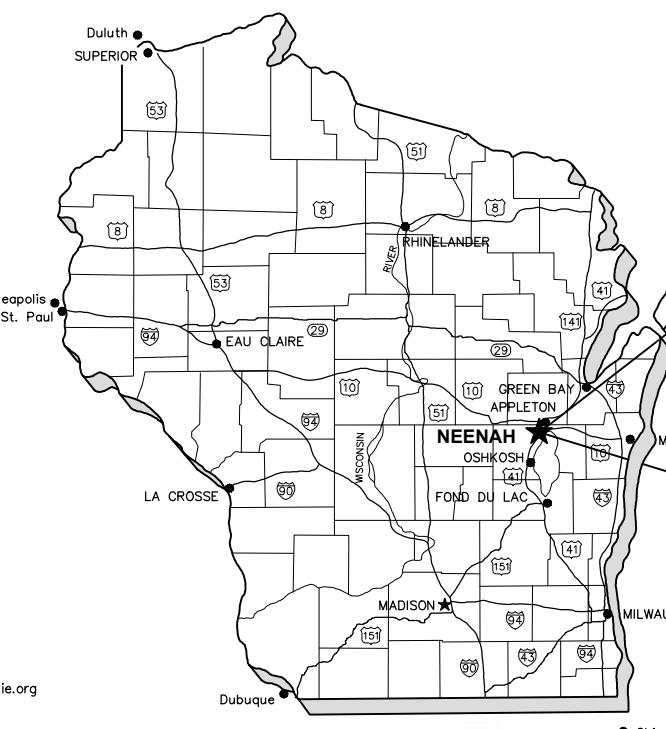
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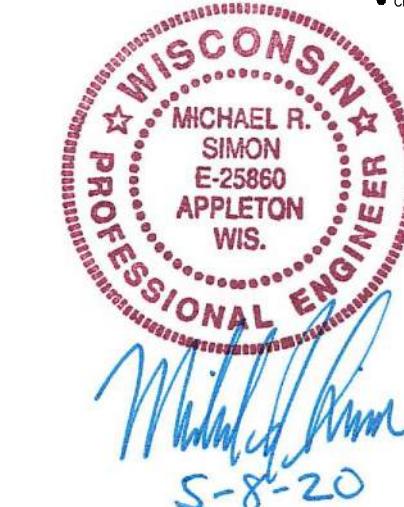
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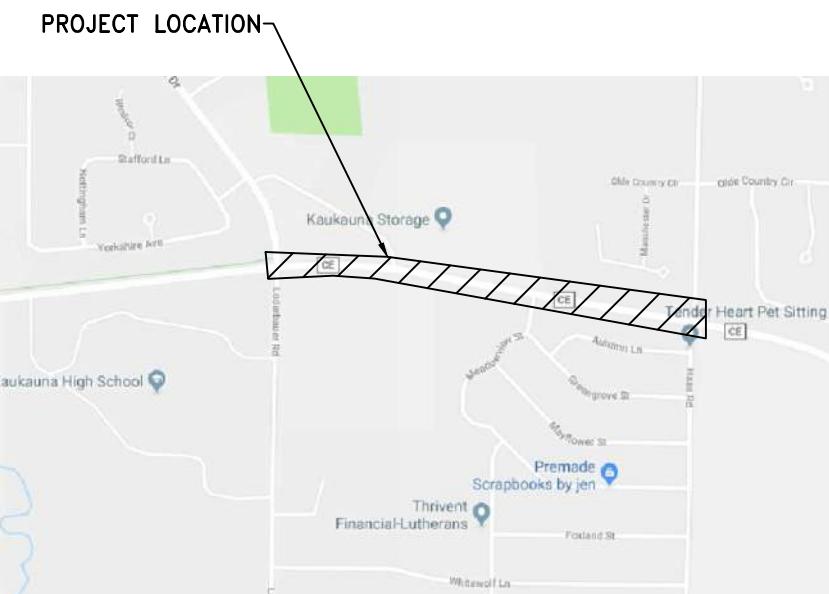
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NORTH



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DATE
MAY 2020
PROJECT NO.
K0006 81700105

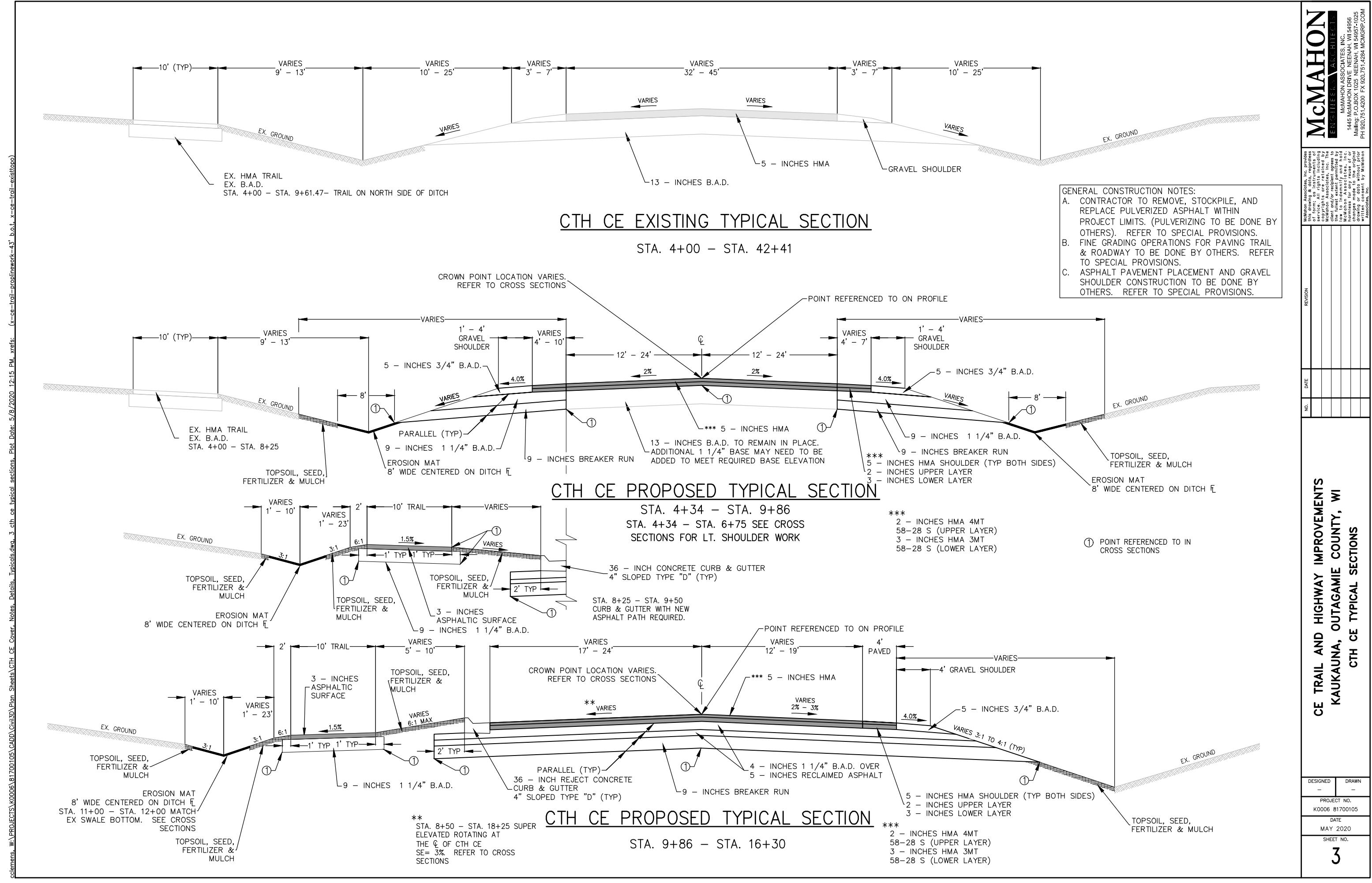
STANDARD ABBREVIATIONS			
AC	ACRE	LT	LEFT LENGTH OF VERTICAL CURVE
AGG	AGGREGATE	LVC	MAINT MAINTENANCE
AH	AHEAD	MAT'L	MATERIAL
ASPH	ASPHALT PAVEMENT	MAX	MAXIMUM
AVG	AVERAGE	MIN	MINIMUM
B-B	BACK TO BACK	MH	MANHOLE
B-A.D.	BASE AGGREGATE DENSE	MP	MILE POST
BEG	BEGIN	NB	NORTHBOUND
BIT	BITUMINOUS	NO	NUMBER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

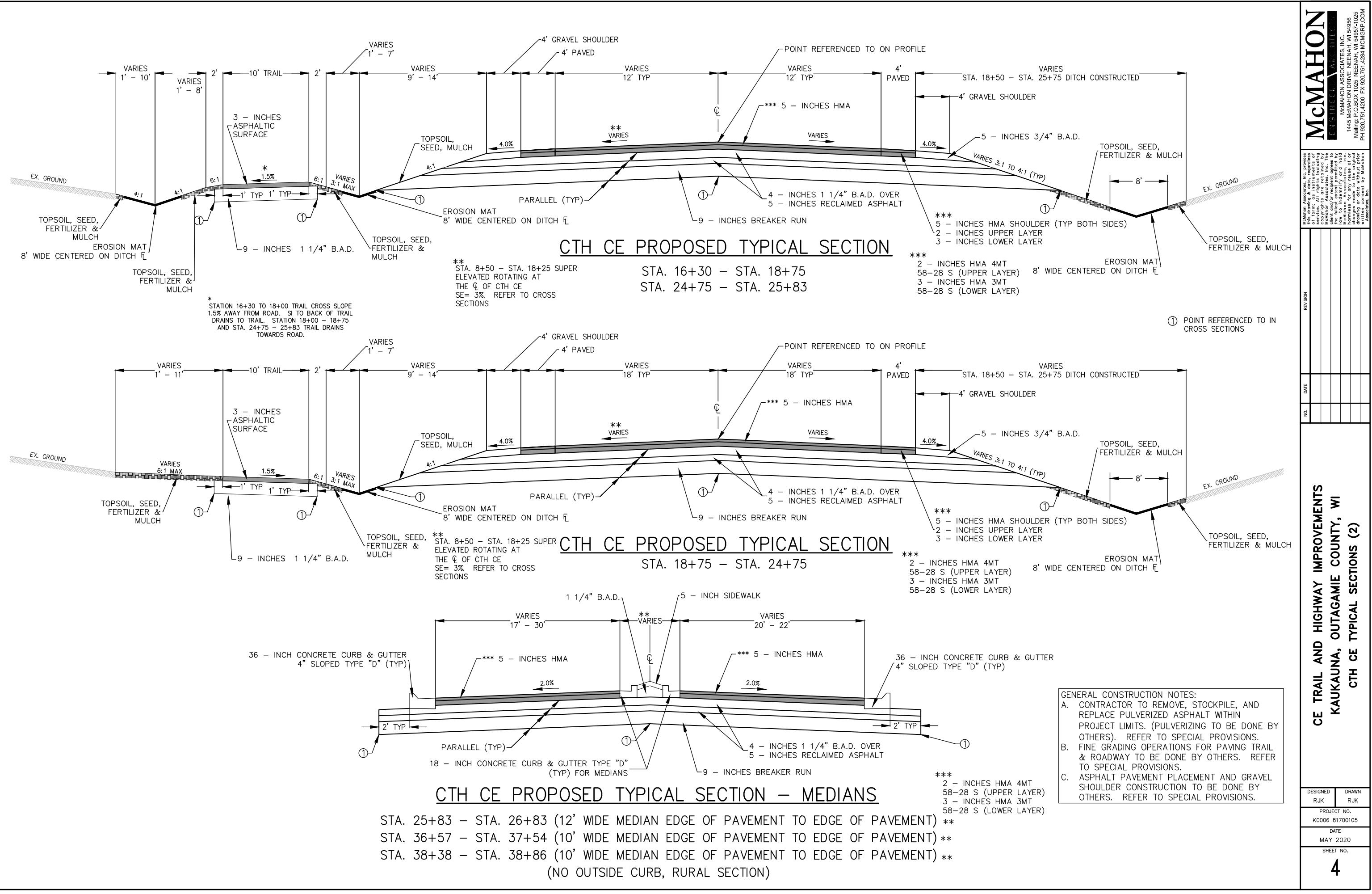
GENERAL NOTES

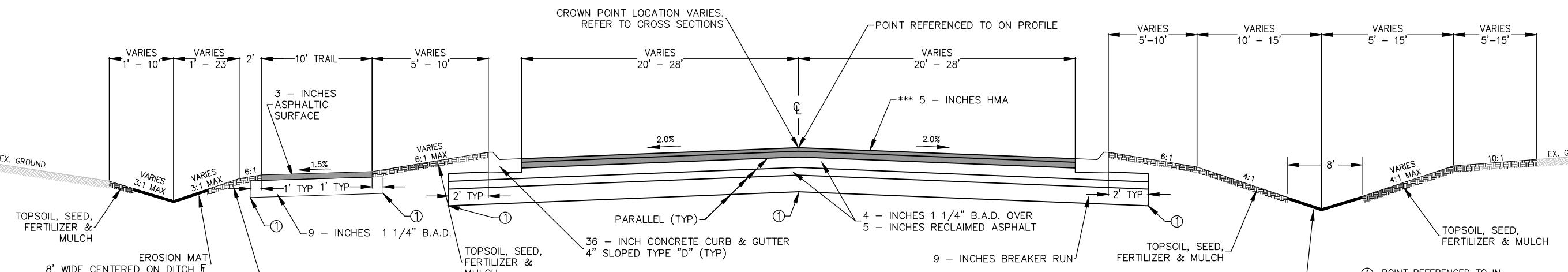
- THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING ANY PRIVATE UTILITIES, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.
- 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 IMMEDIATELY NOTIFY MCMAHON OF ANY VERTICAL DISCREPANCY.
- EXISTING STREET RIGHT-OF-WAY AND INTERSECTING PROPERTY LINES ARE ESTABLISHED FROM FIELD LOCATED SURVEY MONUMENTATION, PREVIOUS SURVEYS, PLATS AND CURRENT PROPERTY DEEDS.
- NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER.
- A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MATCHES EXISTING ASPHALTIC CONCRETE SURFACE.
- ALL CURB RADII SHOWN ON THE PLAN SHEETS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- 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
	TELEPHONE OR TELEVISION PEDESTAL		PROPOSED CURB & GUTTER
	MAILBOX		PROPOSED REJECT CURB & GUTTER
	SIGN		EXISTING CULVERT WITH END SECTIONS
	RAILROAD CROSS BUCK		PROPOSED CULVERT WITH END SECTIONS
	RAILROAD GATE ARM		BUILDING OUTLINE
	RAILROAD TRACKS		FENCE LINE
	LIGHT POLE		SAW CUT REQ'D
	WOOD POLE		SILT FENCE
	TRAFFIC SIGNAL		GUARD RAIL
	TRAFFIC SIGNAL MAST ARM		DITCH CHECK
	CONIFEROUS TREE		INLET PROTECTION
	DECIDUOUS TREE		TRACKING PAD
	TREE OR BRUSH LINE		TURBIDITY BARRIER OR SHEET PILING
	BED ROCK (IN PROFILE VIEW)		SANDBAG COFFERDAM
	HANDICAPPED PARKING STALL		SLOPE INTERCEPT
	EXISTING SPOT ELEVATION		LIMITS OF DISTURBANCE
	PROPOSED SPOT ELEVATION		
	DRAINAGE HIGH POINT		
	DRAINAGE DIRECTION		
	EXISTING MANHOLE		
	PROPOSED MANHOLE		
	EXISTING INLET		
	PROPOSED INLET		
	EXISTING YARD DRAIN		
	PROPOSED YARD DRAIN		
	EXISTING CLEAN OUT		
	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		

STANDARD SYMBOLS (PLAN VIEW ONLY)			
	T TELEPHONE CABLE - BURIED		ELECTRIC CABLE - BURIED
	UTILITIES - OVERHEAD		FIBER OPTIC CABLE - BURIED
	GAS MAIN		CABLE TELEVISION - BURIED
	DITCH LINE		STREET C/L OR R/L
	PROPERTY LINE		RIGHT-OF-WAY LINE
	SECTION LINE		EXISTING CONTOURS
	PROPOSED CONTOURS		EXISTING FORCEMAIN SEWER
	EXISTING SANITARY SEWER		PROPOSED SANITARY SEWER
	EXISTING WATER MAIN		PROPOSED WATER MAIN
	EXISTING STORM SEWER		PROPOSED STORM SEWER
	EXISTING CURB & GUTTER		PROPOSED CURB & GUTTER
	PROPOSED REJECT CURB & GUTTER		EXISTING CULVERT WITH END SECTIONS
	PROPOSED CULVERT WITH END SECTIONS		BUILDING OUTLINE
	FENCE LINE		SAW CUT REQ'D
	SILT FENCE		GUARD RAIL
	DITCH CHECK		INLET PROTECTION
<img alt="TRACKING PAD			







CTH CE PROPOSED TYPICAL SECTION

STA. 25+83 - STA. 32+2

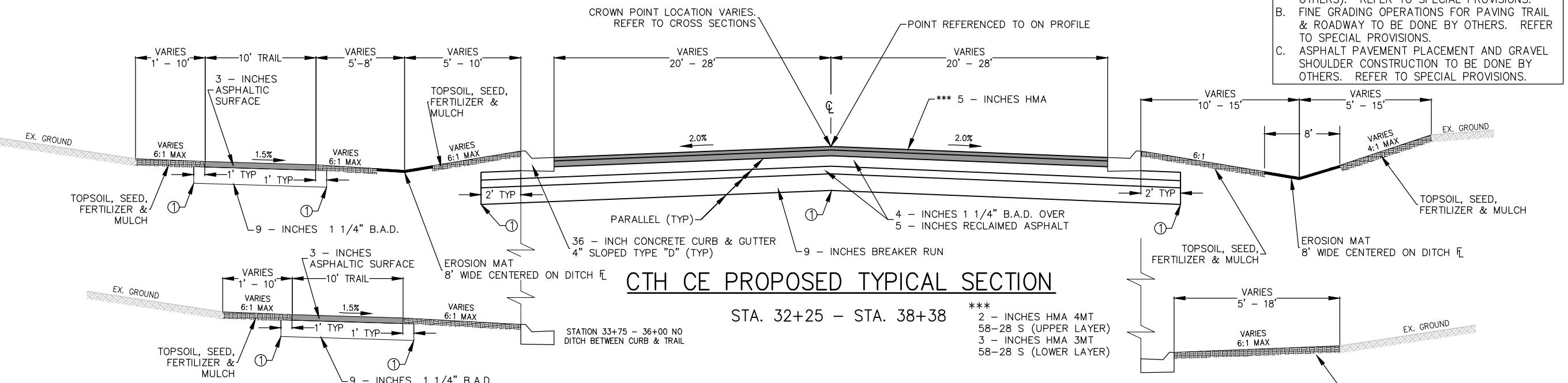
*** 8' WIDE C
2 - INCHES HMA 4MT
58-28 S (UPPER LAYER)
3 - INCHES HMA 3MT
58-28 S (LOWER LAYER)

① POINT REFERENCED TO IN CROSS SECTIONS

GENERAL CONSTRUCTION NOTES:
CONTRACTOR TO REMOVE, STOCKPILE, AND
REPLACE PULVERIZED ASPHALT WITHIN
PROJECT LIMITS. (PULVERIZING TO BE DONE BY
OTHERS). REFER TO SPECIAL PROVISIONS.
FINE GRADING OPERATIONS FOR PAVING TRAIL
& ROADWAY TO BE DONE BY OTHERS. REFER
TO SPECIAL PROVISIONS.
ASPHALT PAVEMENT PLACEMENT AND GRAVEL
SHOULDER CONSTRUCTION TO BE DONE BY
OTHERS. REFER TO SPECIAL PROVISIONS.

McMAHON
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1445 McMAHON DRIVE, NEENAH, WI 54957-7125
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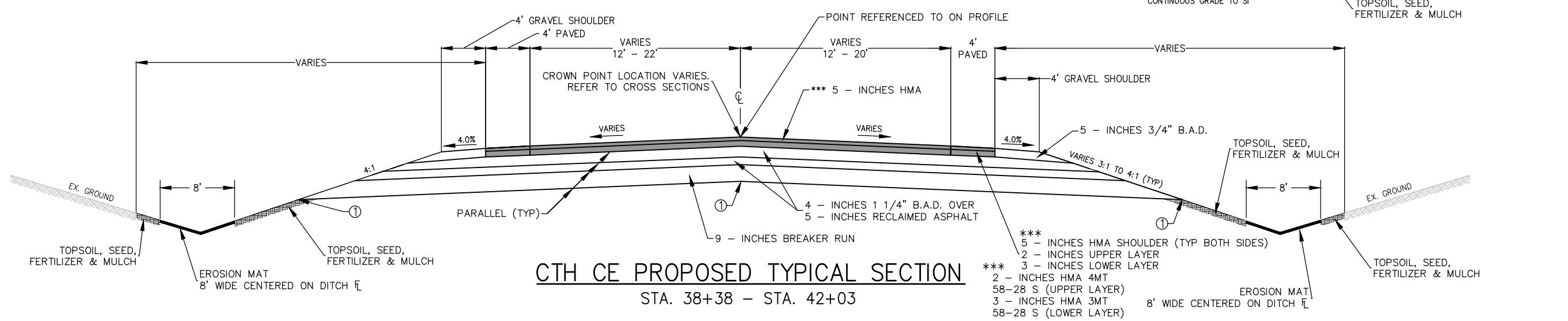
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CTH CE PROPOSED TYPICAL SECTION

STA. 32+25 – STA. 38+38

2 - INCHES HMA 4MT
58-28 S (UPPER LAYER)
3 - INCHES HMA 3MT
58-28 S (LOWER LAYER)



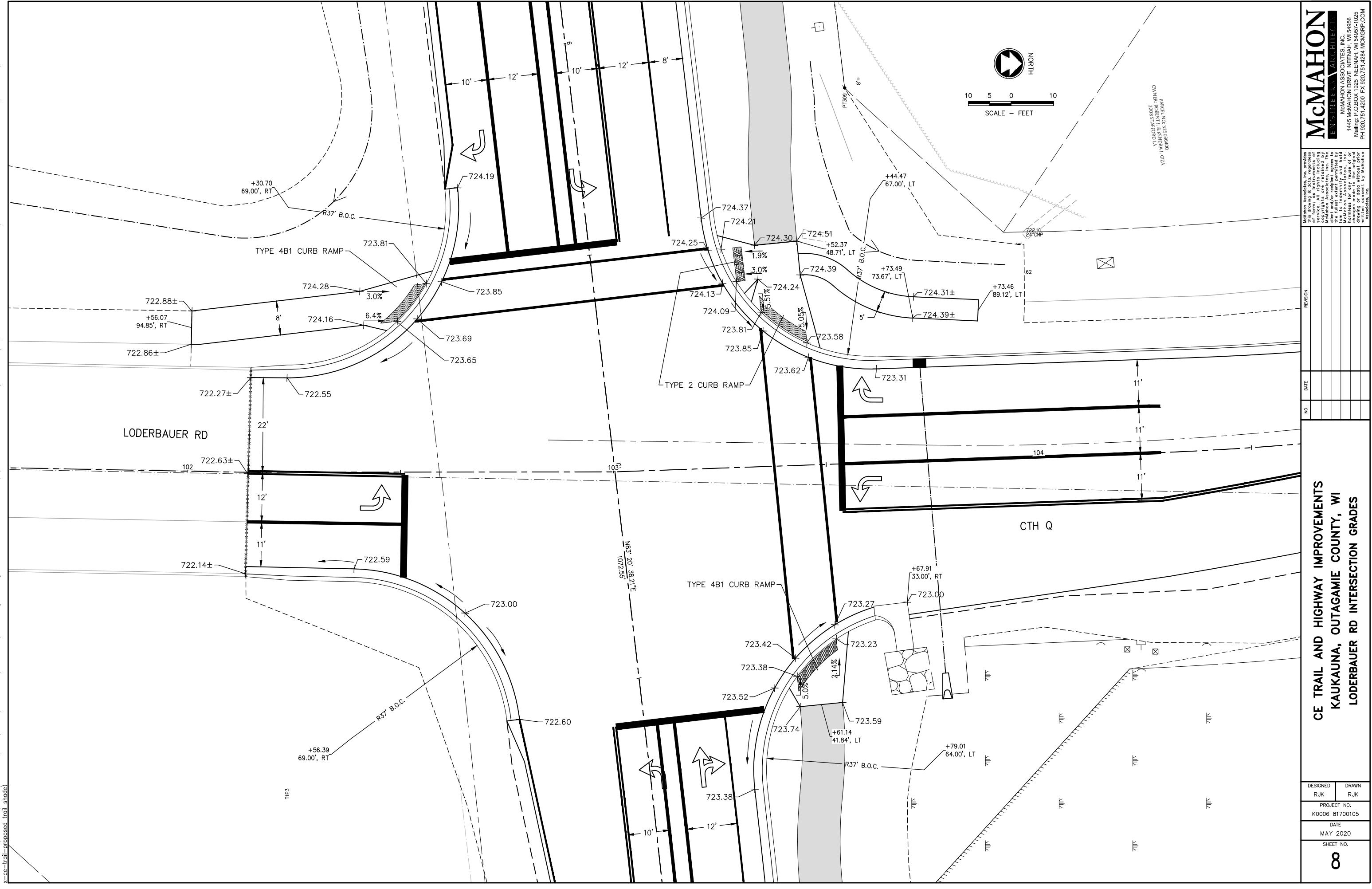
CTH CE PROPOSED TYPICAL SECTION

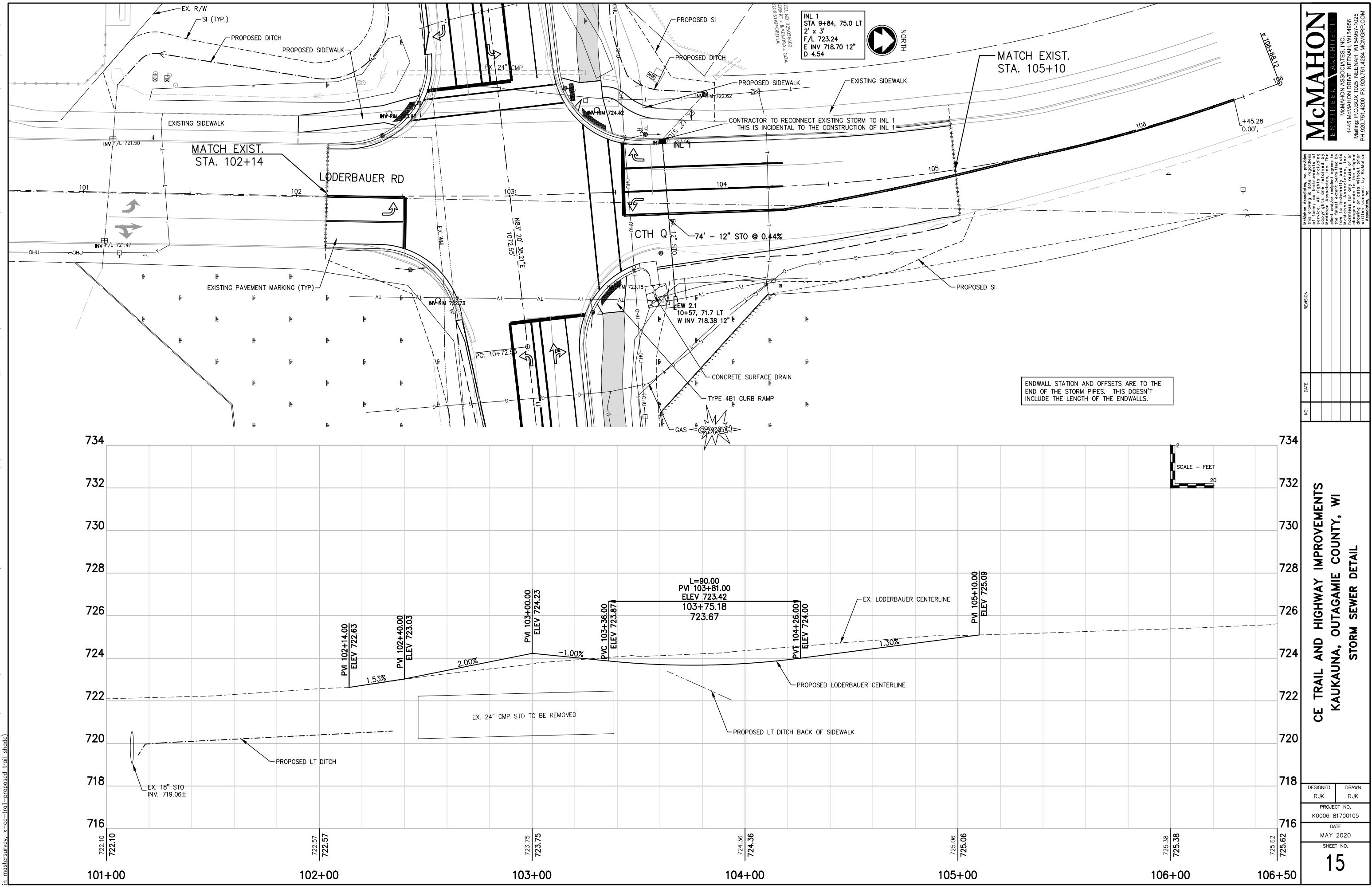
STA. 38+38 - STA. 42+03

*** 2 - INCHES UPPER LAYER
3 - INCHES LOWER LAYER
2 - INCHES HMA 4MT
58-28 S (UPPER LAYER) EROSION MAT
3 - INCHES HMA 3MT 8' WIDE CENTERED ON DITCH
58-28 S (LOWER LAYER) 

TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
CTH CE TYPICAL SECTIONS (3)

DESIGNED RJK	DRAWN RJK
PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO.	
5	





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ENGINEERS / ARCHITECTS
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ANSWER

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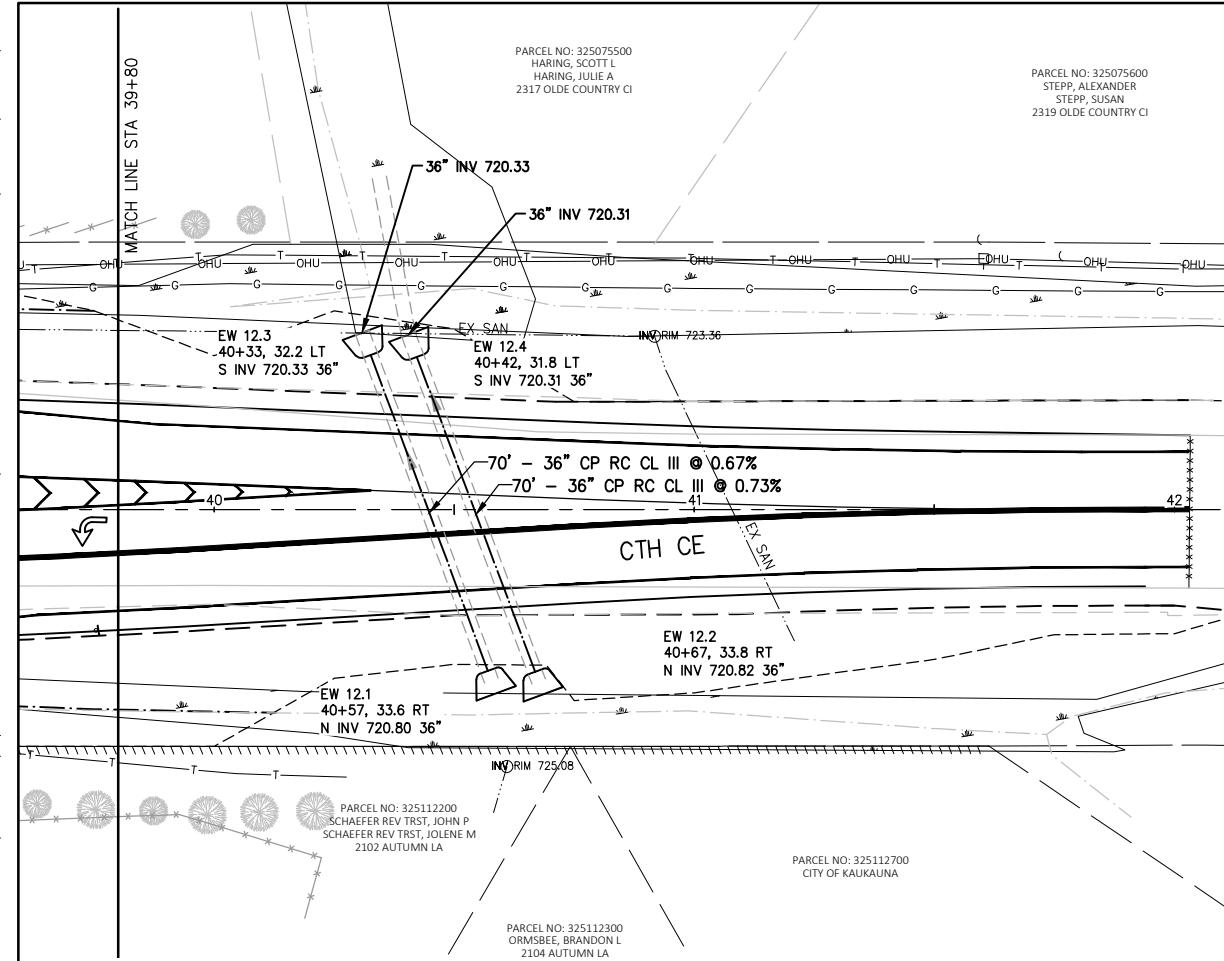
MENT, WI

**HIGHWAY IMPROVEMENTS
AUTAGAMIE COUNTY
SEWER DETAIL**

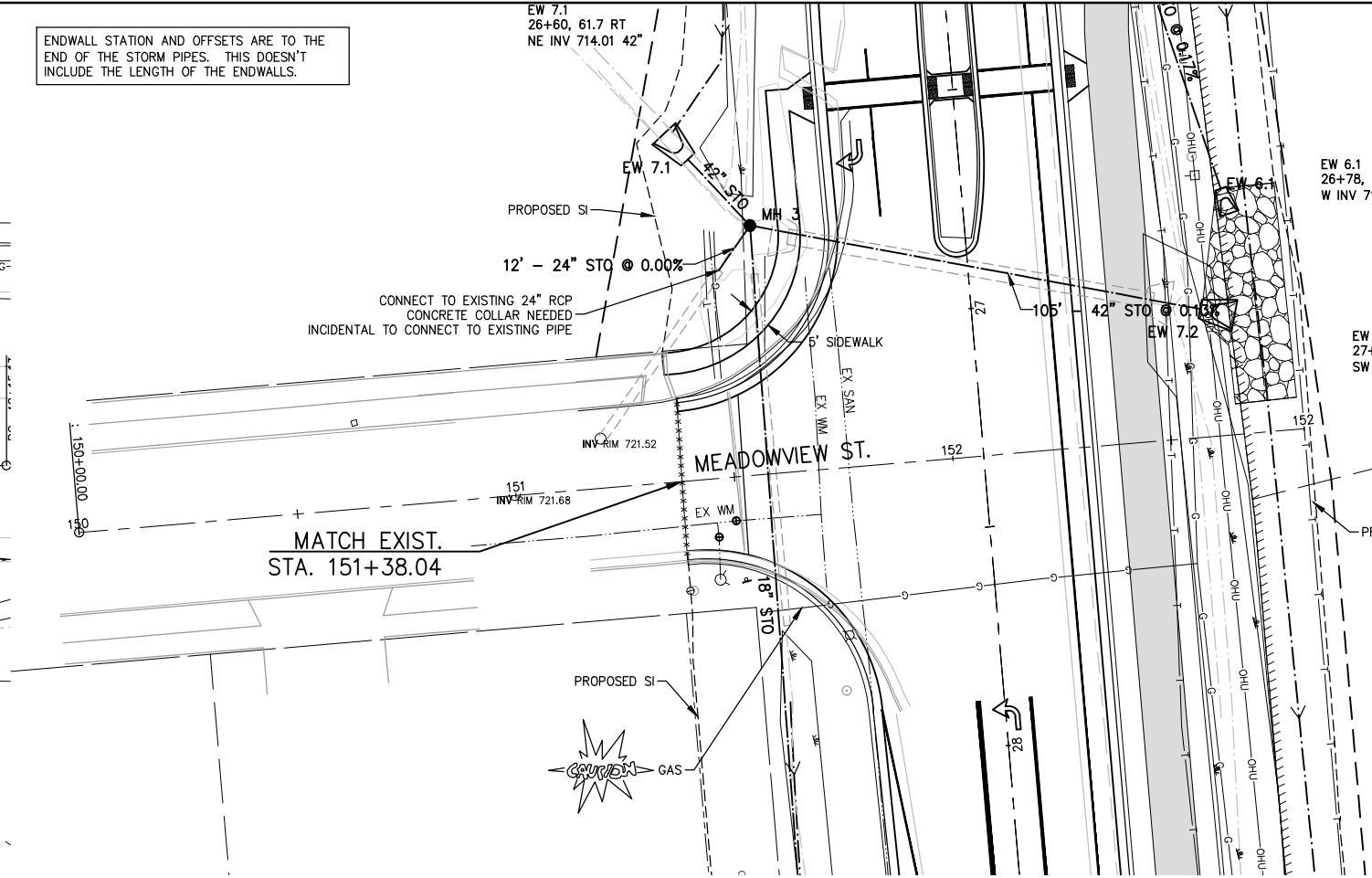
ICE TRAIL AND KAUKAUNA, O STORM

IGNED JK	DRAWN RJK
PROJECT NO. 0006 81700105	

DATE
MAY 2020
SHEET NO.
15



ENDWALL STATION AND OFFSETS ARE TO THE END OF THE STORM PIPES. THIS DOESN'T INCLUDE THE LENGTH OF THE ENDWALLS.

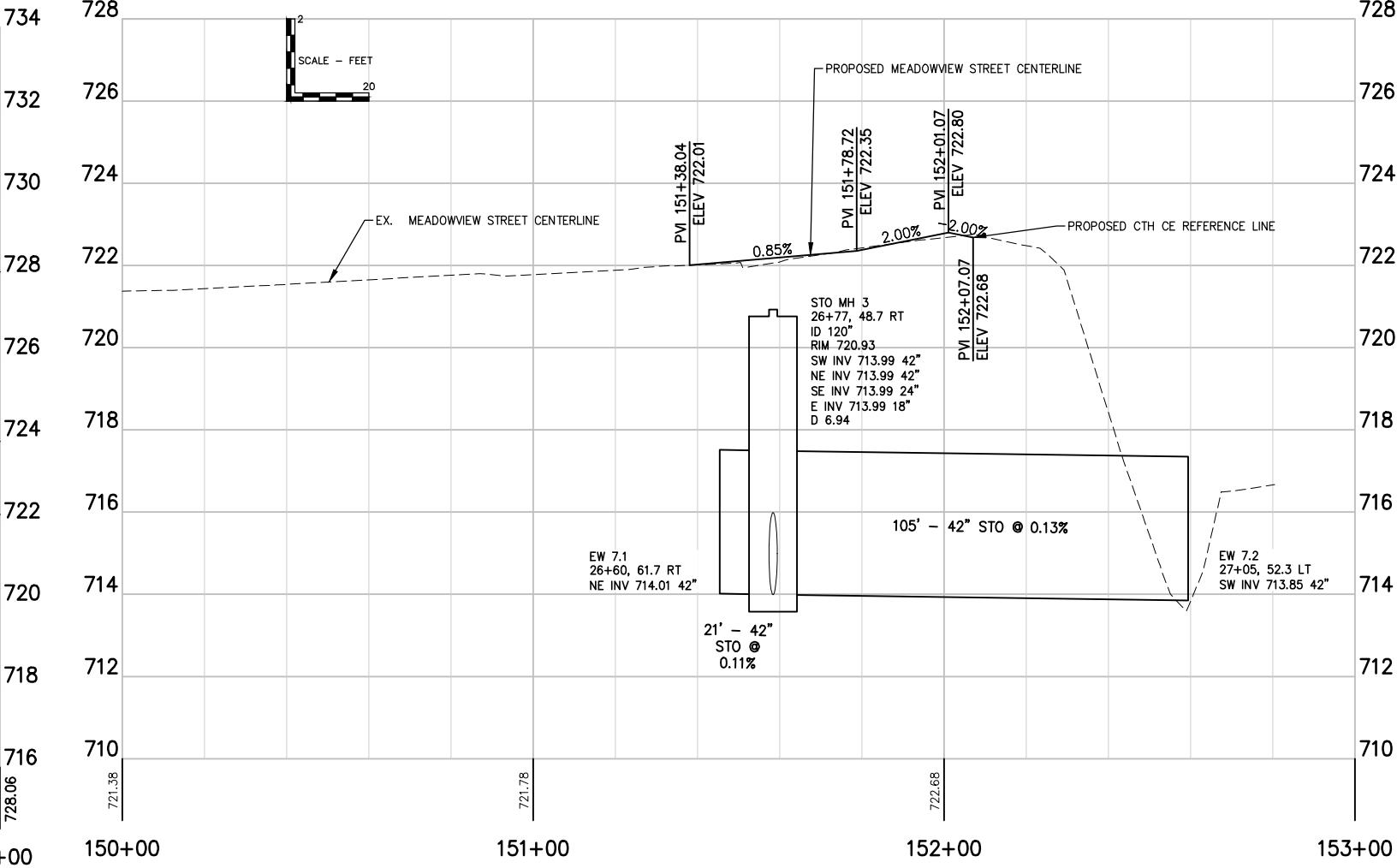
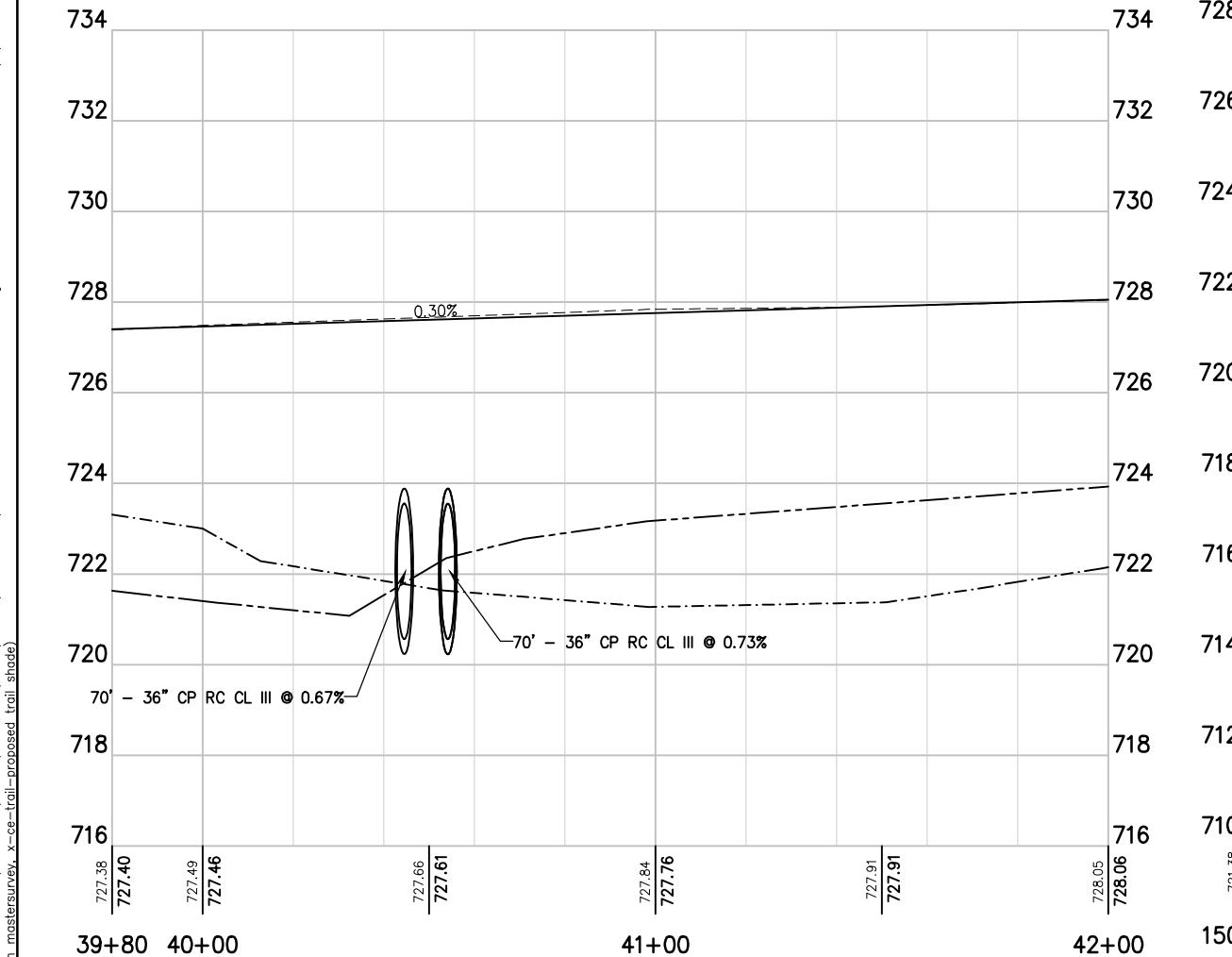


80013000
'ERPRISE, INC.

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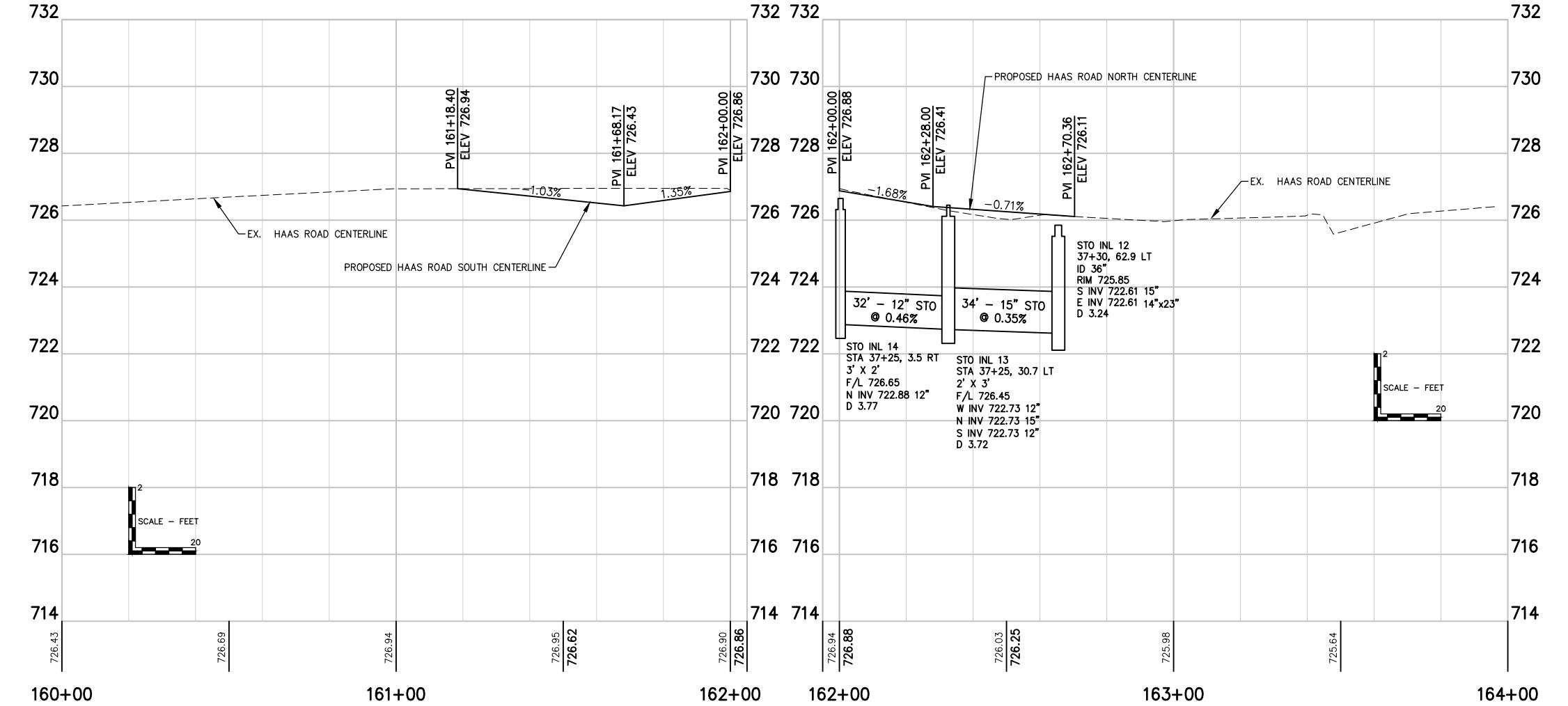
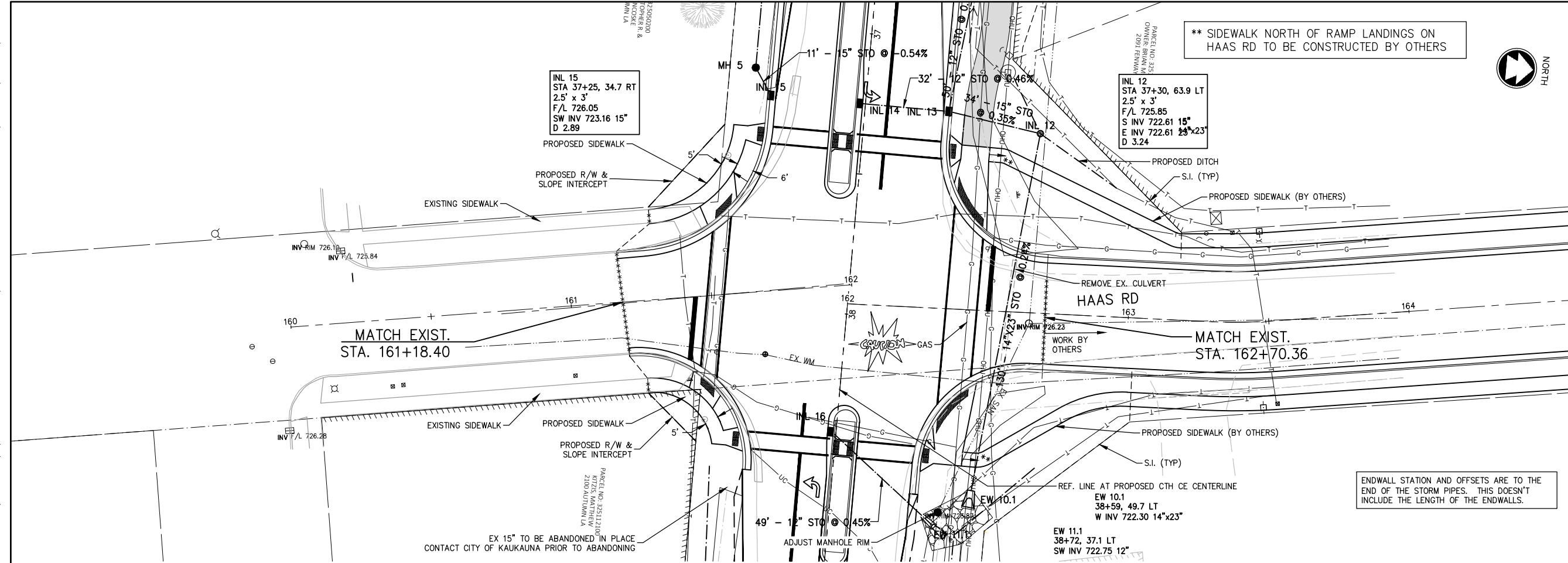
The logo for McMahon Associates, Inc. is a vertical rectangle. At the top is a large, bold, stylized 'M' and 'A' intertwined. Below this, the company name 'McMAHON' is written in a bold, serif font, with 'Mc' on the first line and 'MAHON' on the second. A thin horizontal line follows. Below that, the word 'ASSOCIATES' is in a smaller, all-caps, sans-serif font. Another thin horizontal line follows. At the bottom, the word 'INC.' is in a small, all-caps, sans-serif font. The entire logo is set against a dark background with a subtle grid pattern.

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TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
STORM SEWER DETAIL

DESIGNED	DRA
JK	R
PROJECT NO.	
K0006 817001	
DATE	
MAY 2020	
SHEET NO.	
16	



TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
STORM SEWER DETAIL

McMAHON
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McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE, NEENAH, WI 54956
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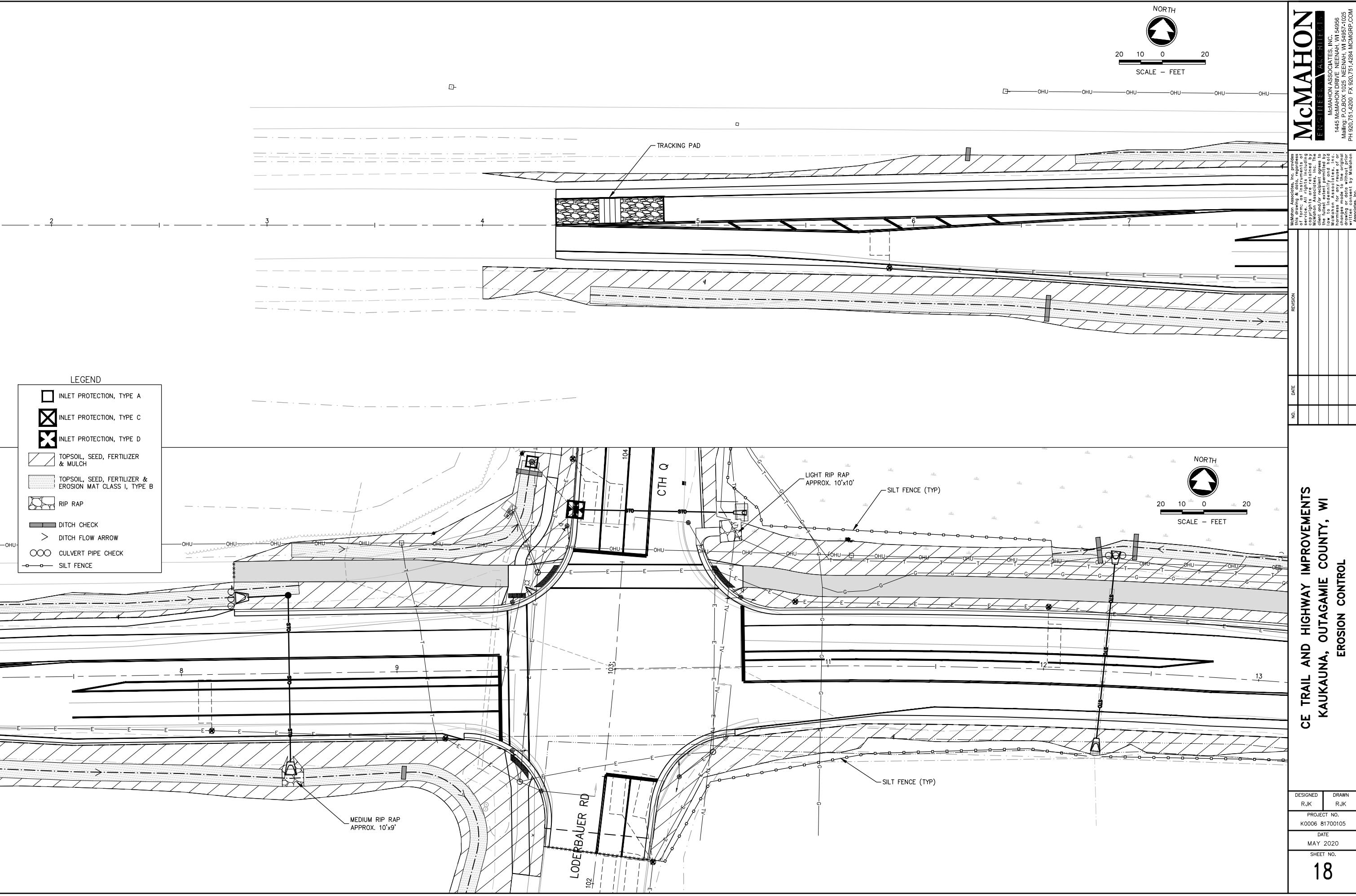
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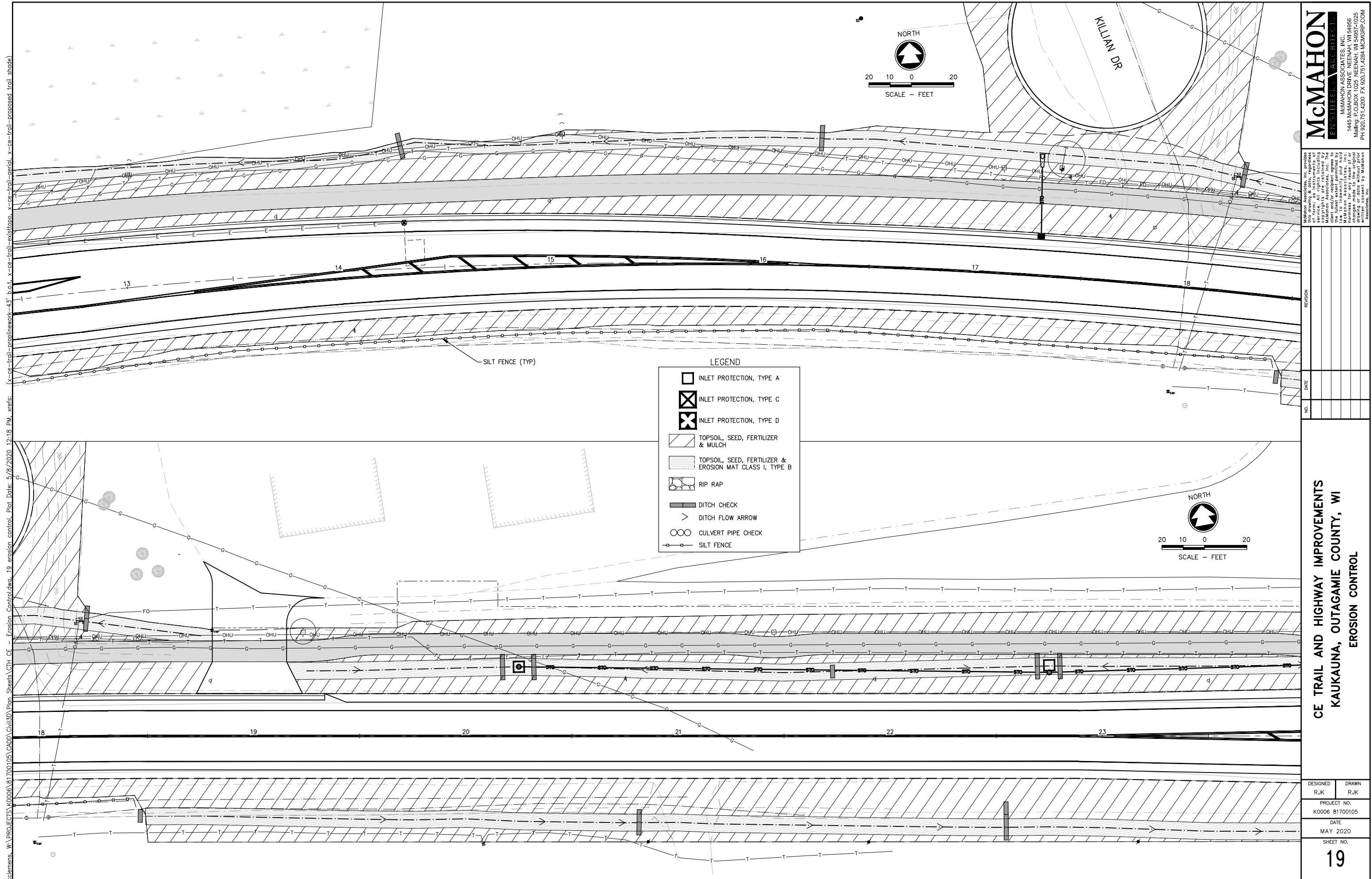
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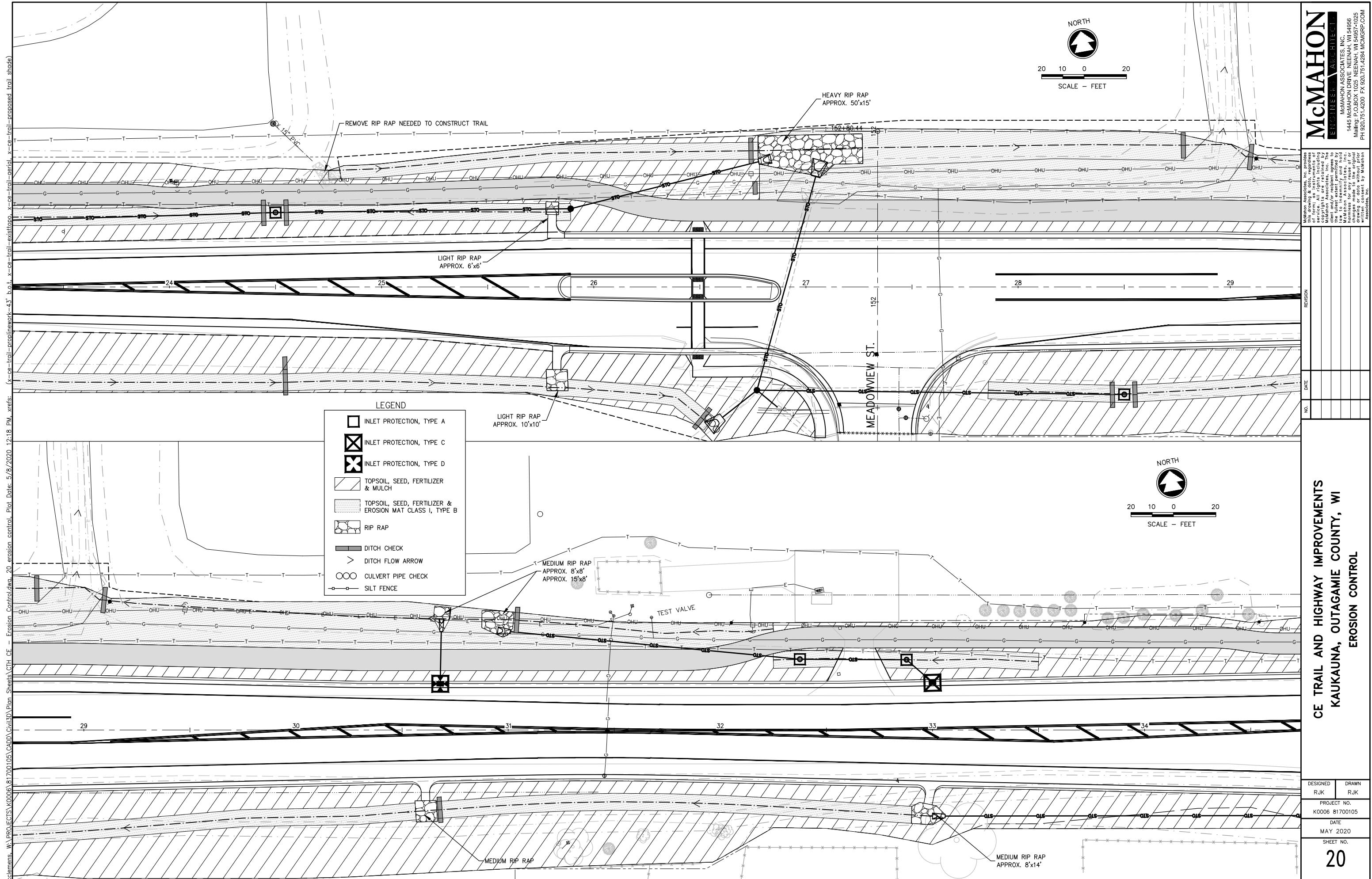
STORM SEWER DETAIL
AUNA, OUTAGAMIE COUNTY, WI
STREET AND HIGHWAY IMPROVEMENTS

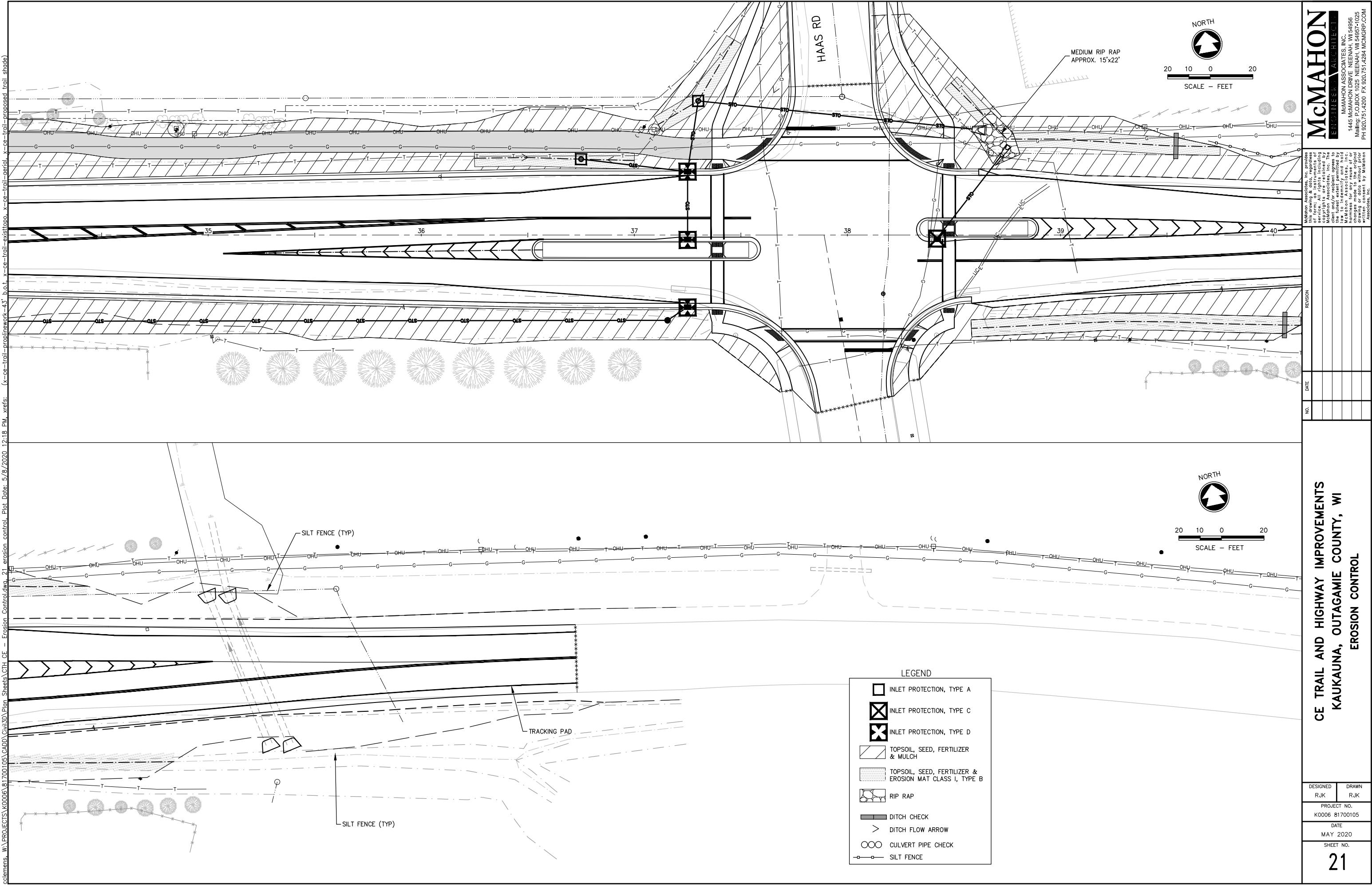
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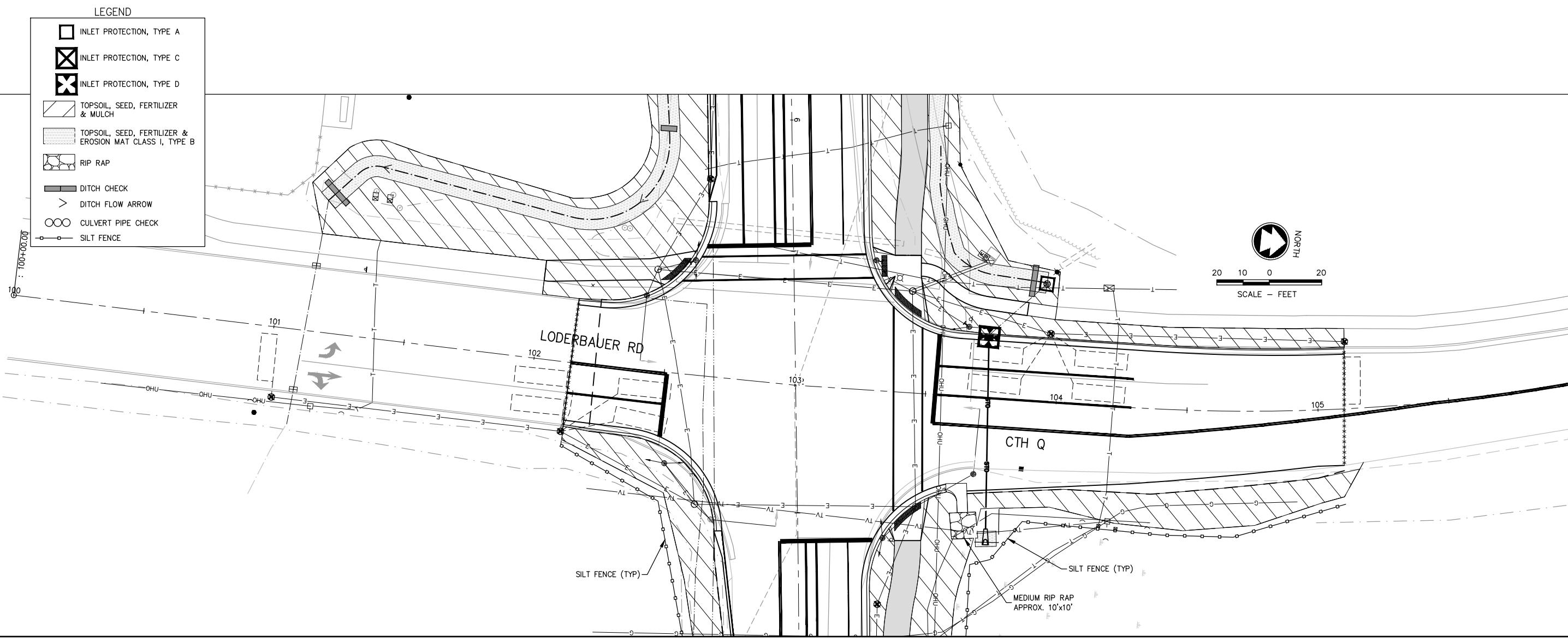
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RJK	RJK
PROJECT NO.	
K0006 81700105	
DATE	
MAY 2020	
SHEET NO.	
17	









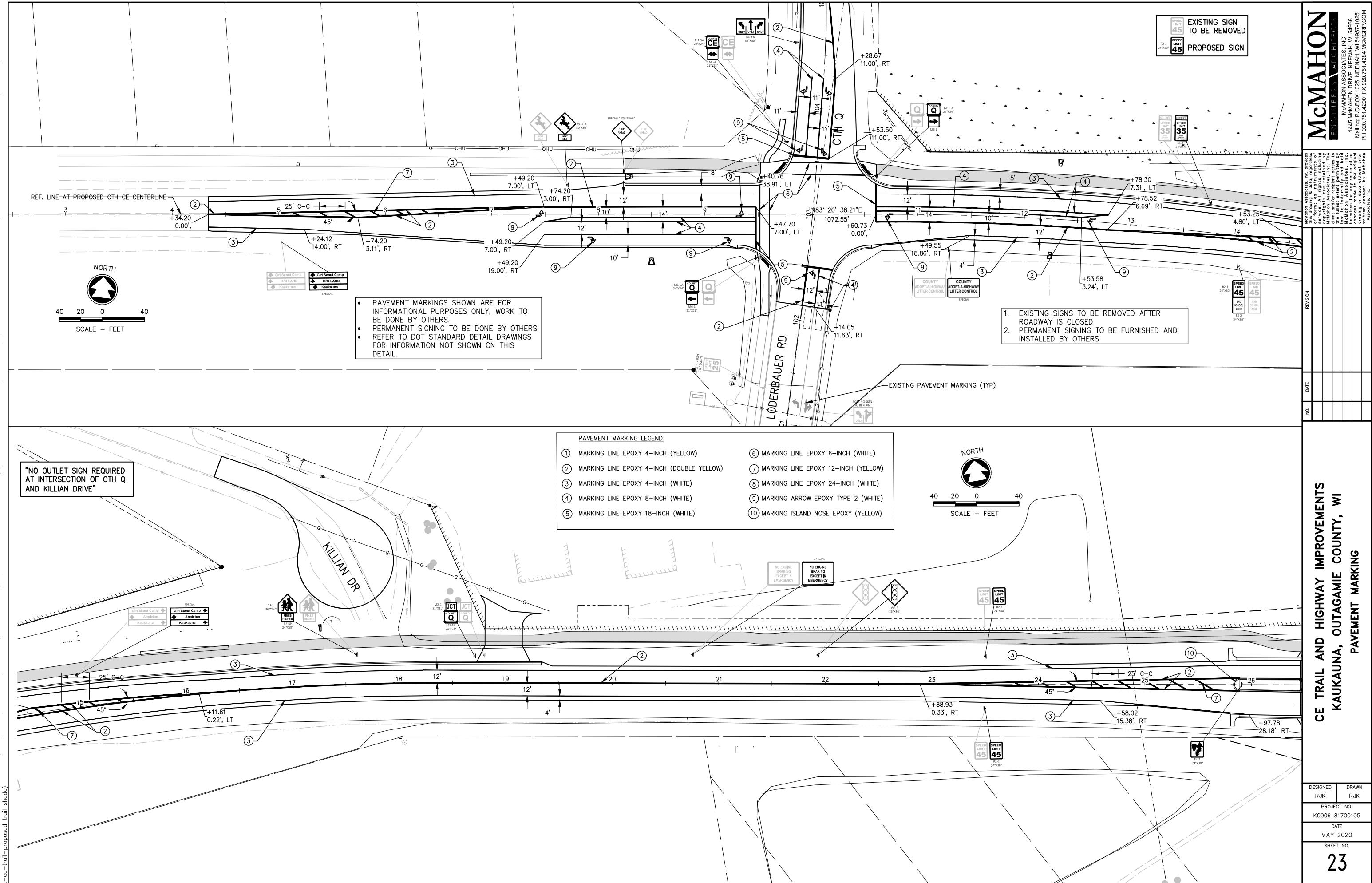


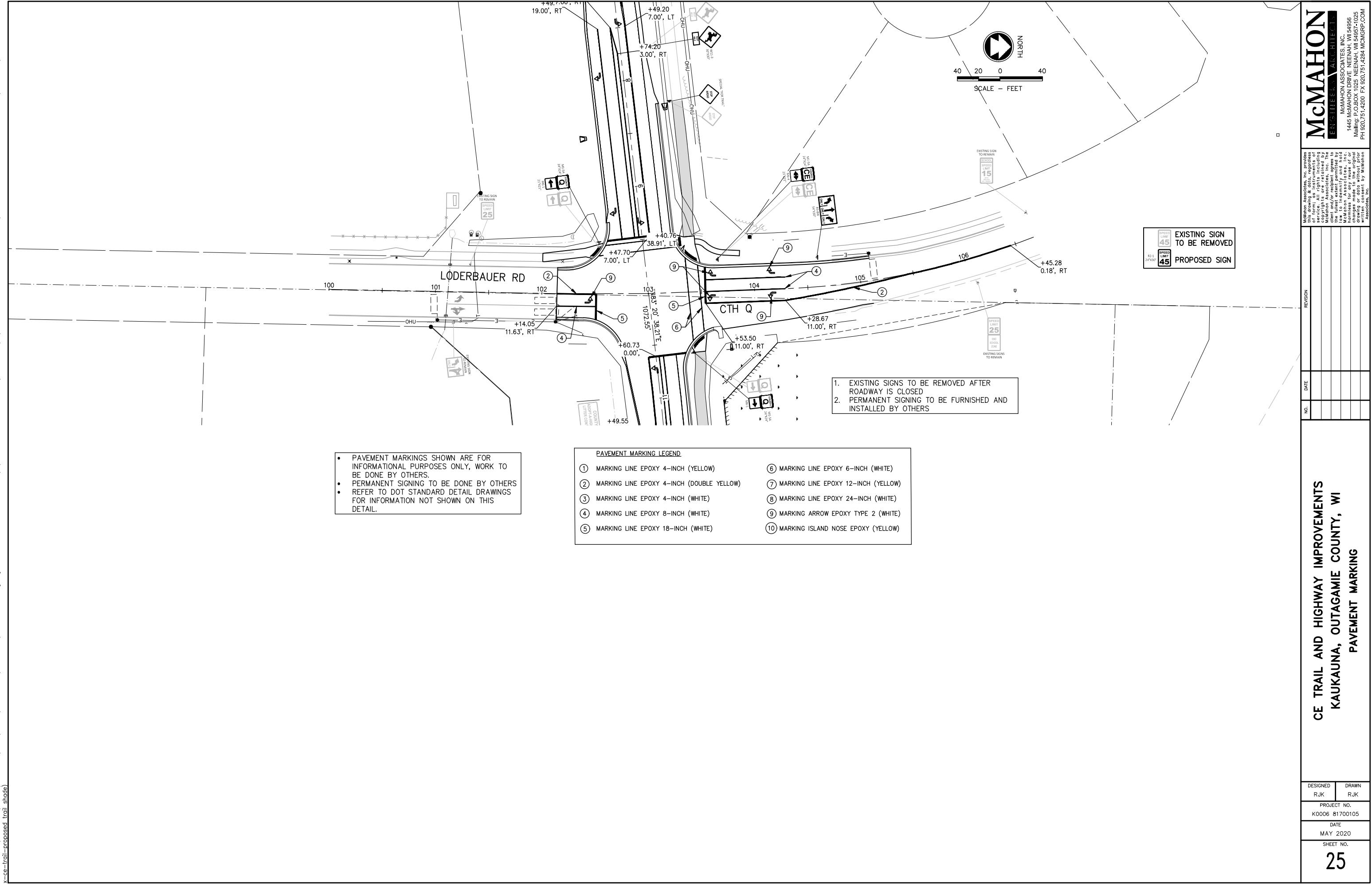
IMPROVEMENTS

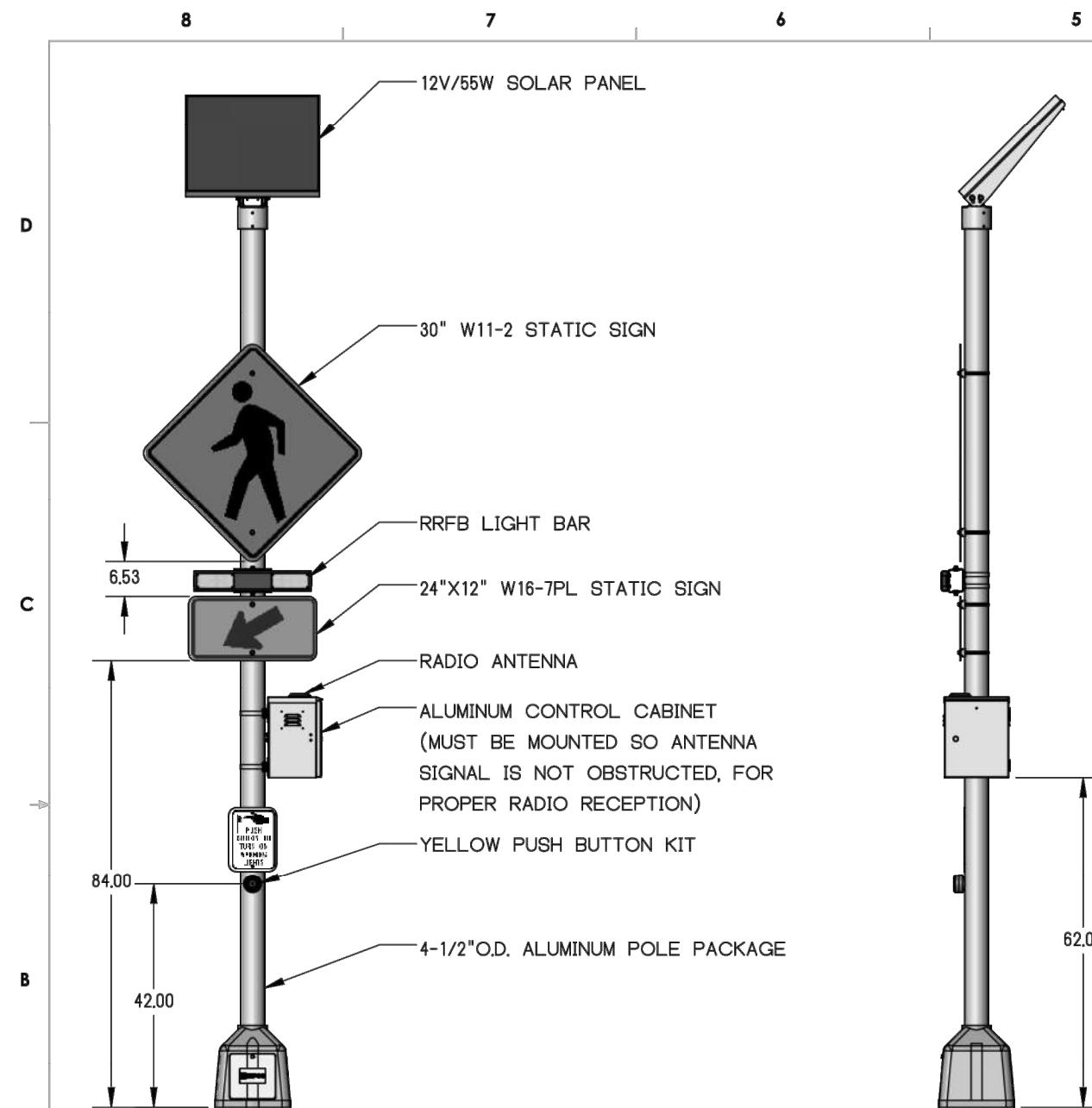
ICE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
EROSION CONTROL

DESIGNED RJK	DRAWN RJK
PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO. 22	

McMAHON McMAHON ASSOCIATES, INC.
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SEE INTERSECTION SHEET
FOR LOCATIONS

NOTES

1. ORIENT SOLAR PANEL TOWARDS SOUTHERN SKY FOR MAXIMUM SOLAR EXPOSURE
2. CONTROL CABINET HEIGHT MAY VARY.
3. SNAP LOCKS ARE PROVIDED, STANDARD 3/4" S/S BANDING IS RECOMMENDED
4. J-BOLTS NOT SHOWN
5. ALL DIMENSIONS ARE FOR REFERENCE ONLY



 TAPCO® Safe travels.	S-ENGINEERING SPECIFICATION 600167					
	MATERIAL	INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009				
	FINISH	REFERENCE:				
TOLERANCE UNLESS OTHERWISE SPECIFIED HOLE ϕ $\pm .003$ DEC. INCH X $\pm .030$ XX $\pm .015$ XXX $\pm .005$ ANGULAR $\pm .5^\circ$	TITLE: RRFB, SOLAR 55/48, RADIO, SOP, SS, AMBER, PB, H POLE X2					
	DESIGNED BY:	TAPCO	SIZE	DWG. NO.	REV	WEIGHT:
	DRAWN BY:	A. KAVANAUGH	B	600167	A	1:28
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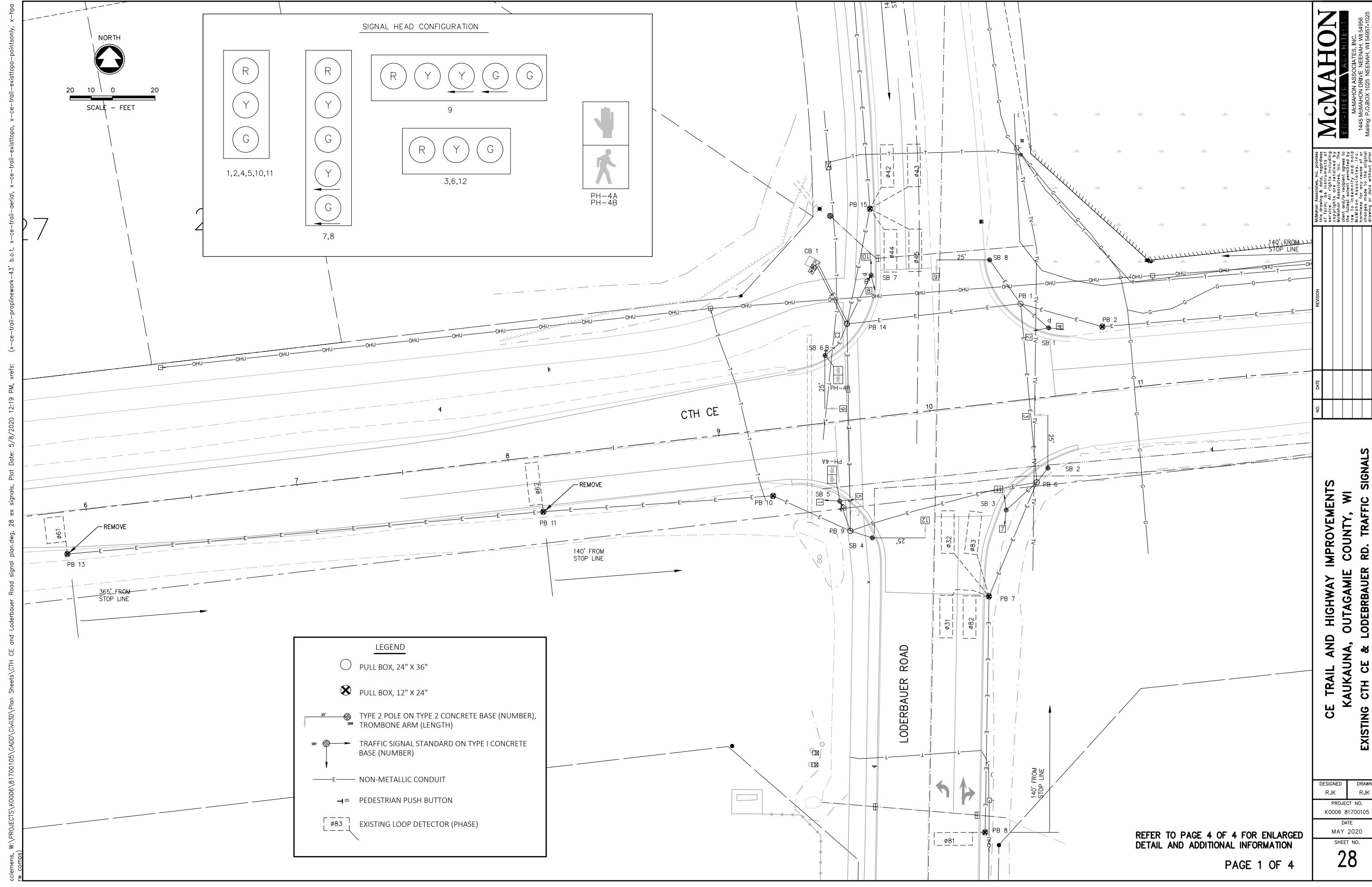
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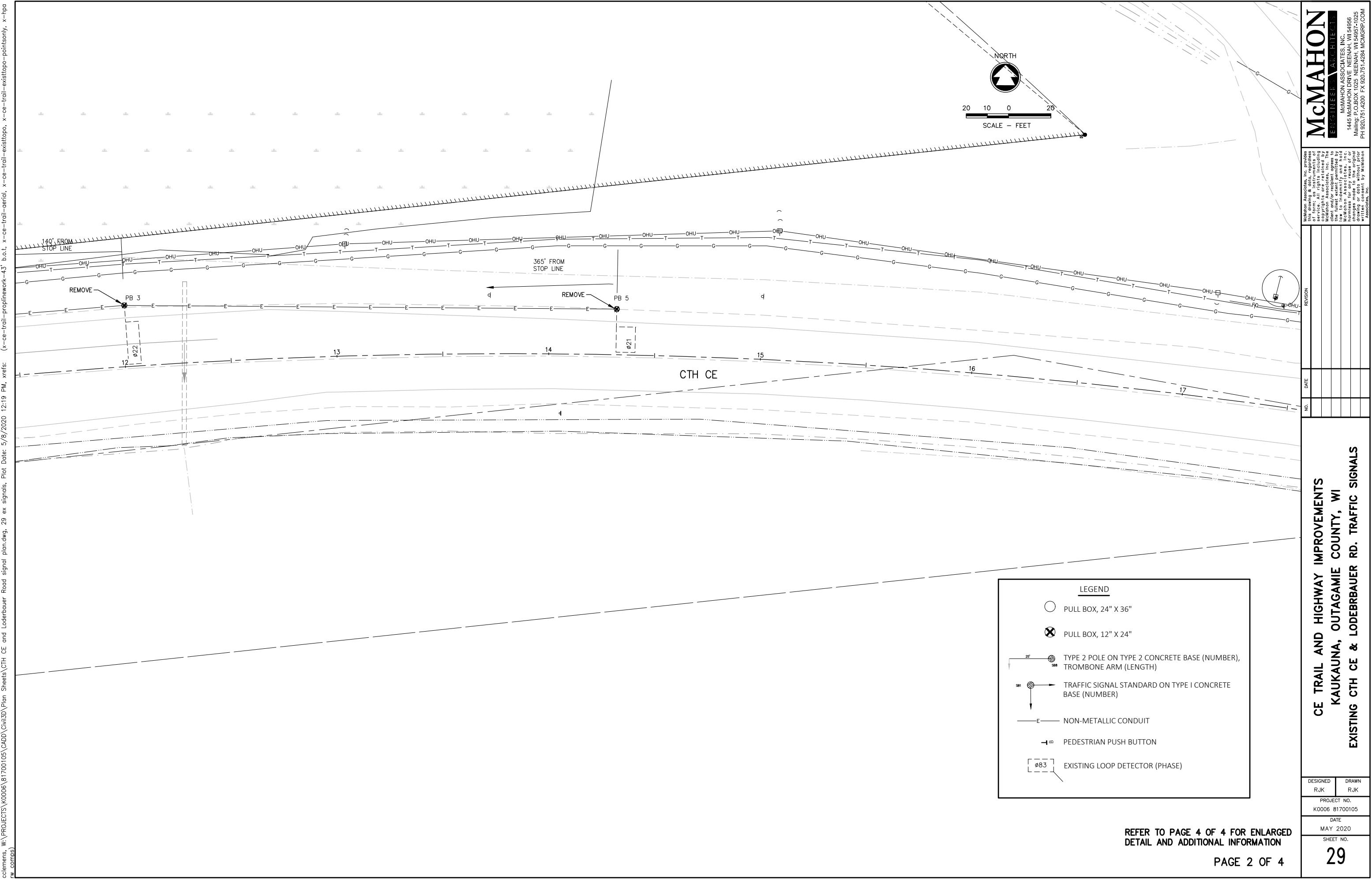
ICE TRAIL AND HIGHWAY IMPROVEMENTS KAUKAUNA, OUTAGAMIE COUNTY, WI

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26

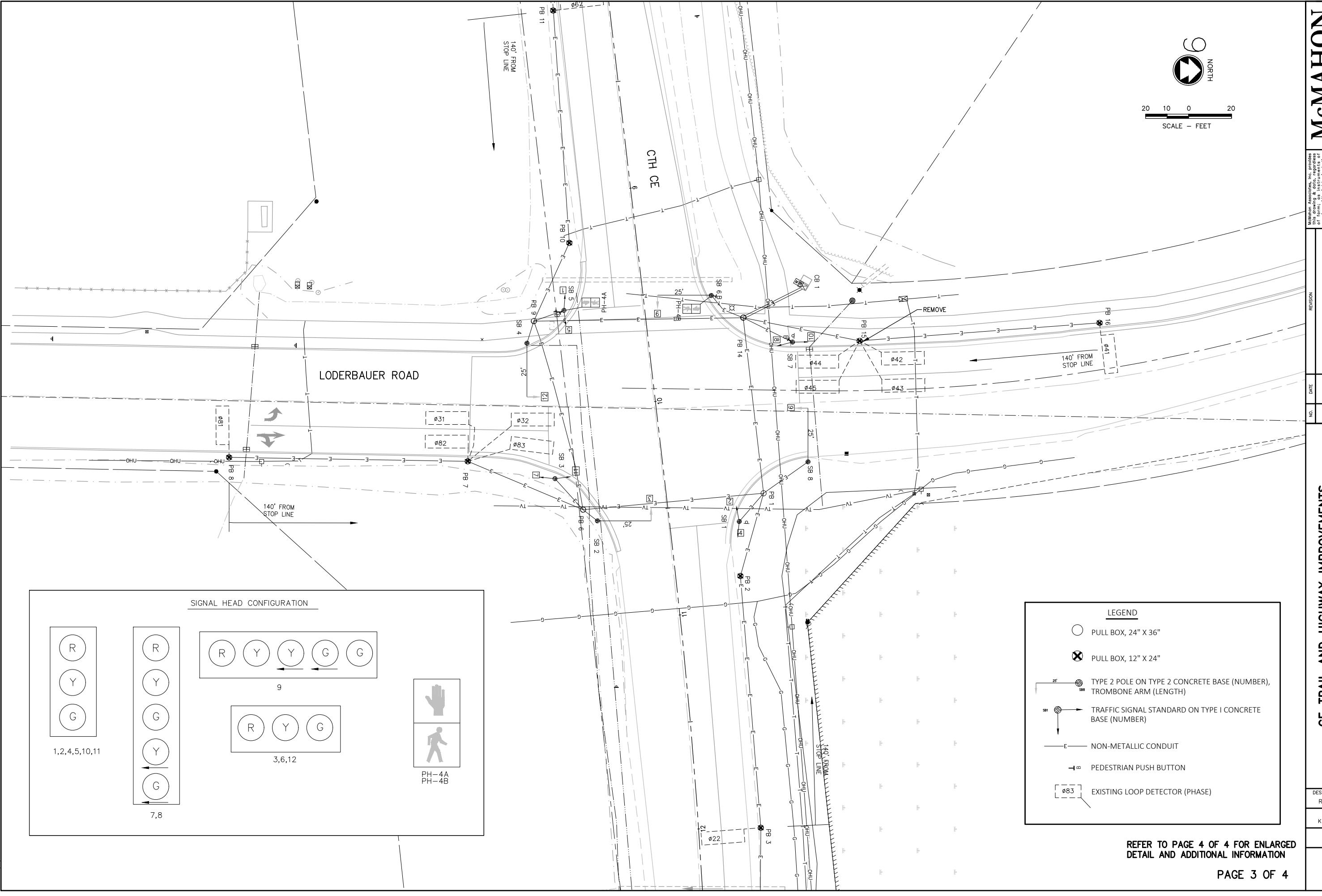




REFER TO PAGE 4 OF 4 FOR ENLARGED
DETAIL AND ADDITIONAL INFORMATION

PAGE 2 OF 4

29



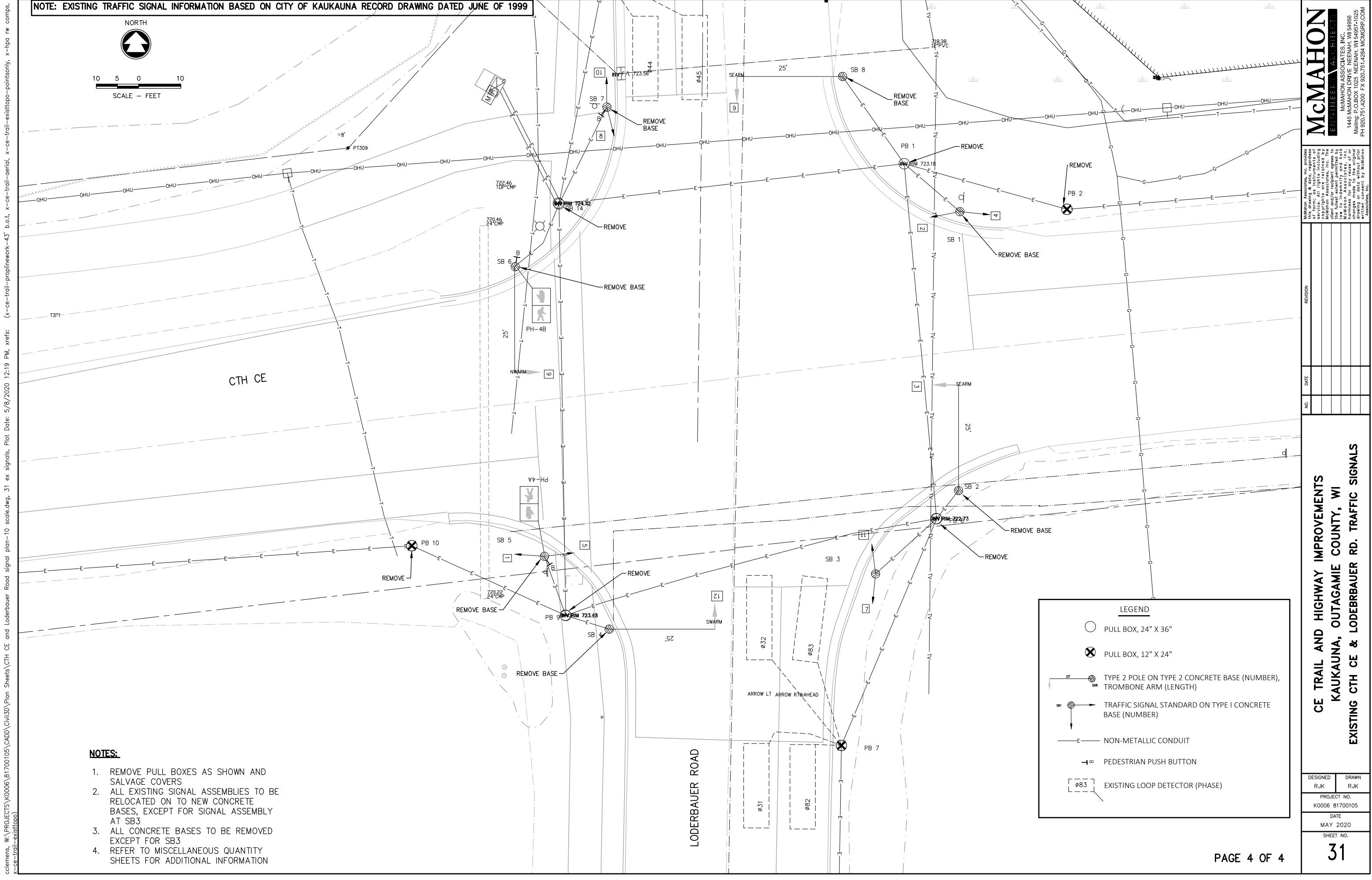
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DETAIL AND ADDITIONAL INFORMATION

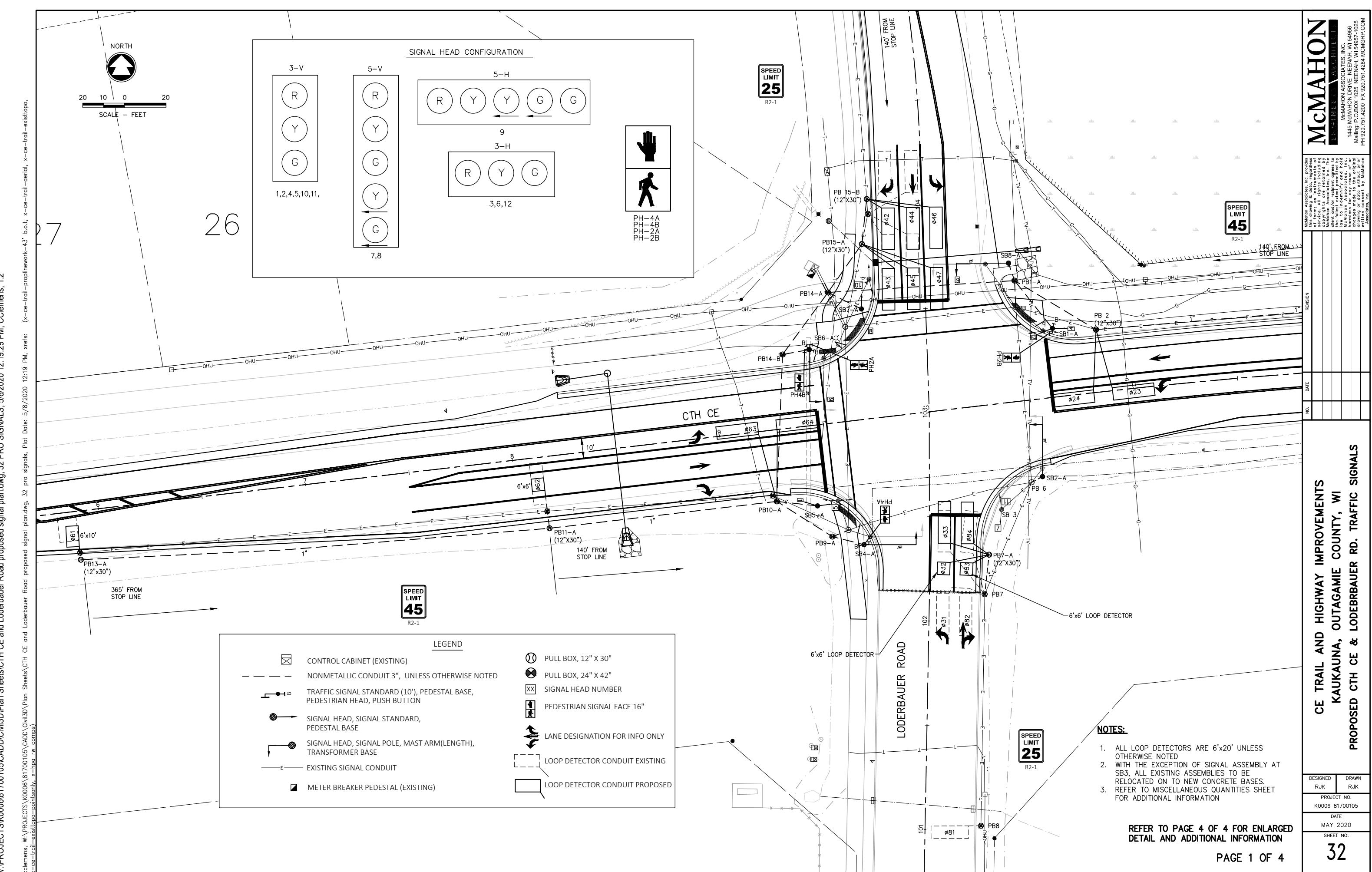
PAGE 3 OF 4

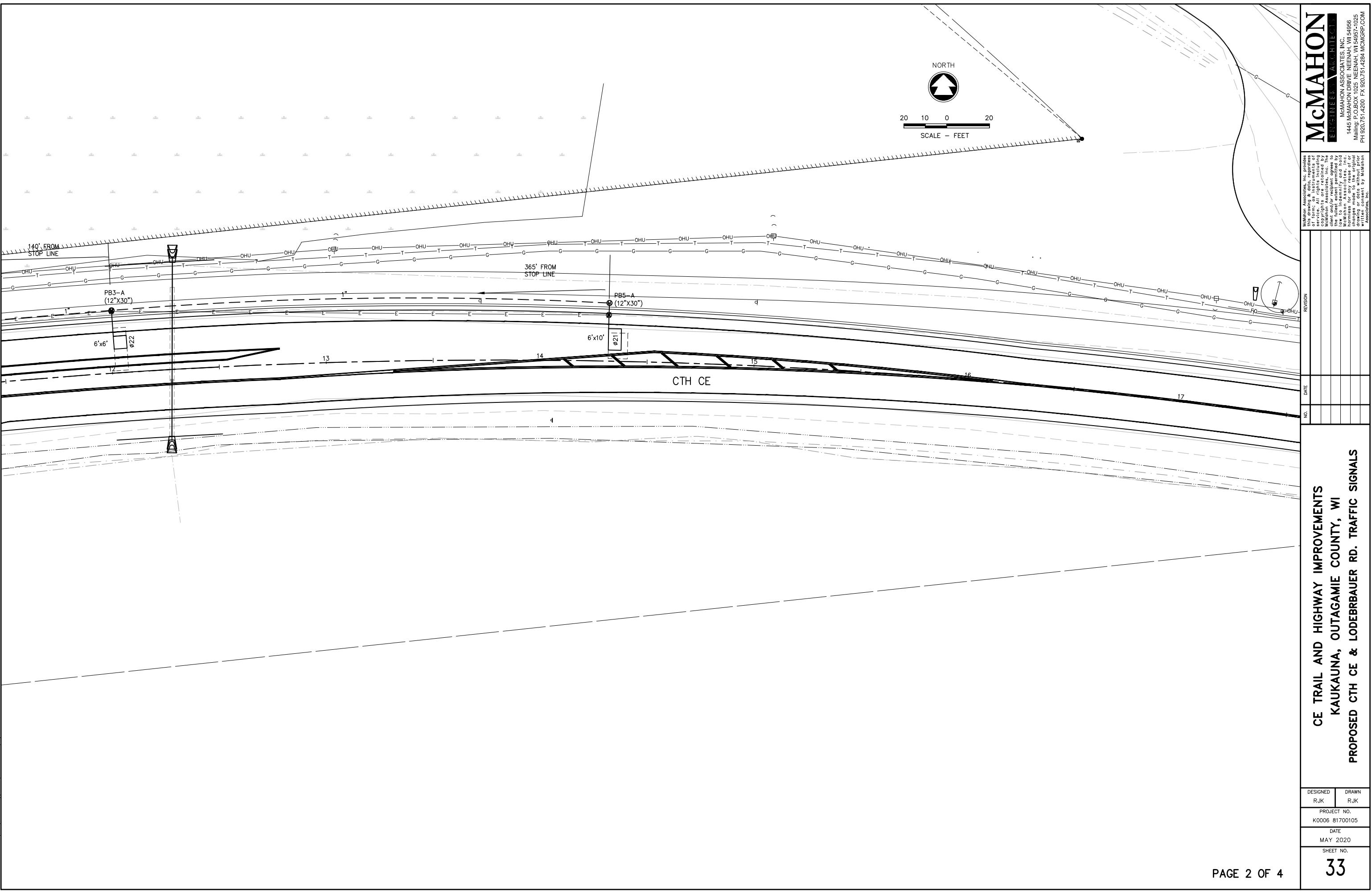
**CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
EXISTING 6TH CE & 100' DEBRALIFF RD TRAFFIC SIGNALS**

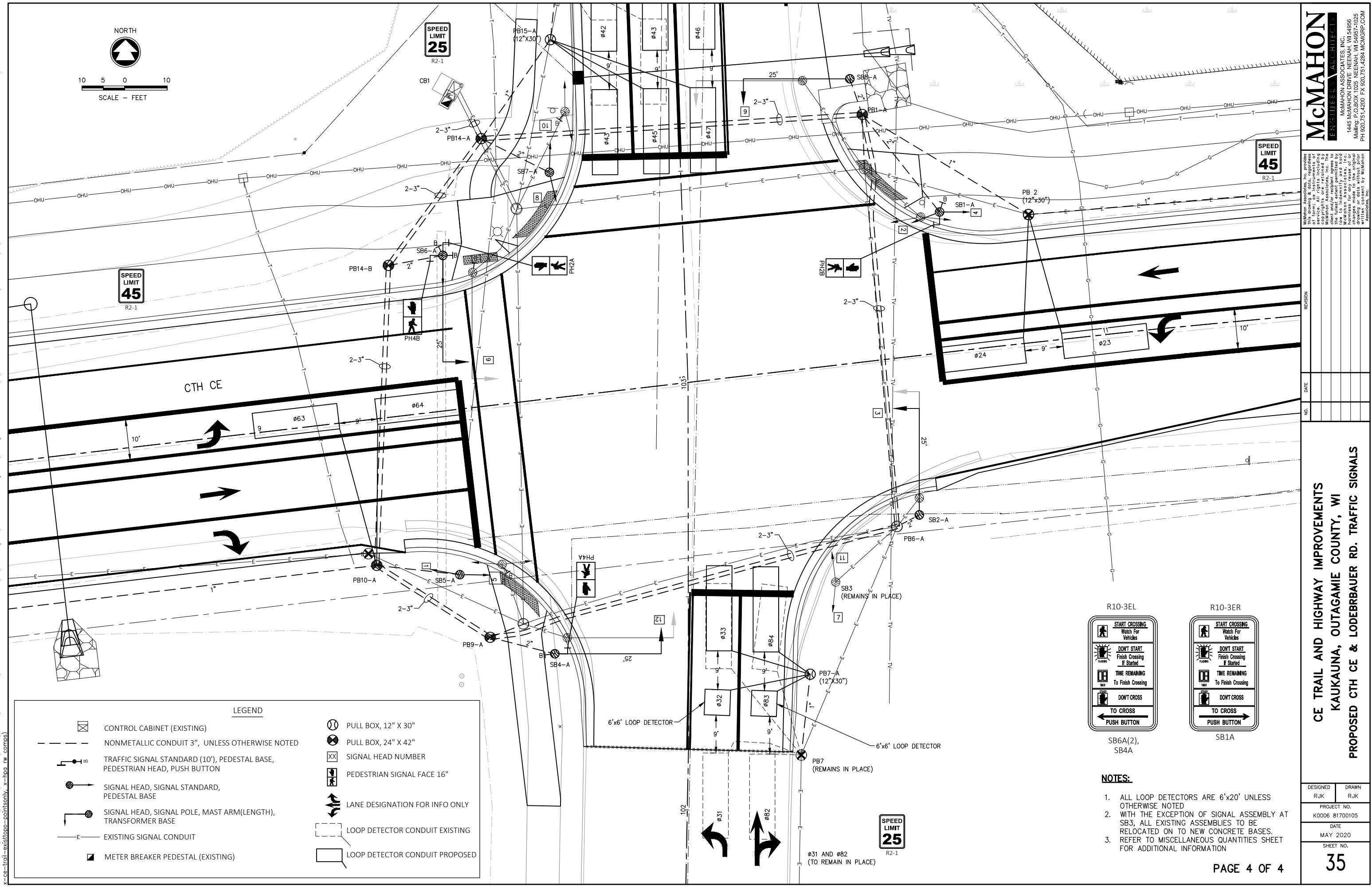
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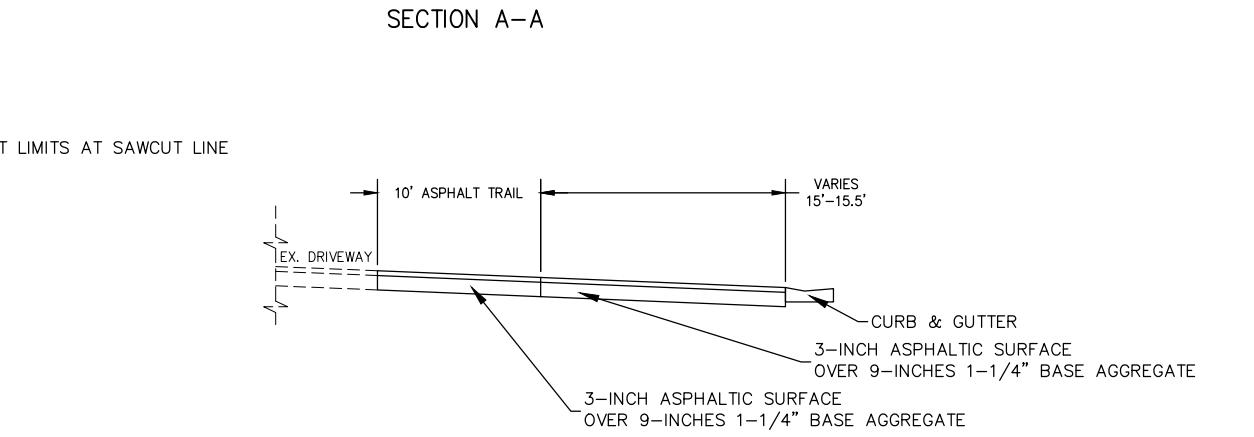
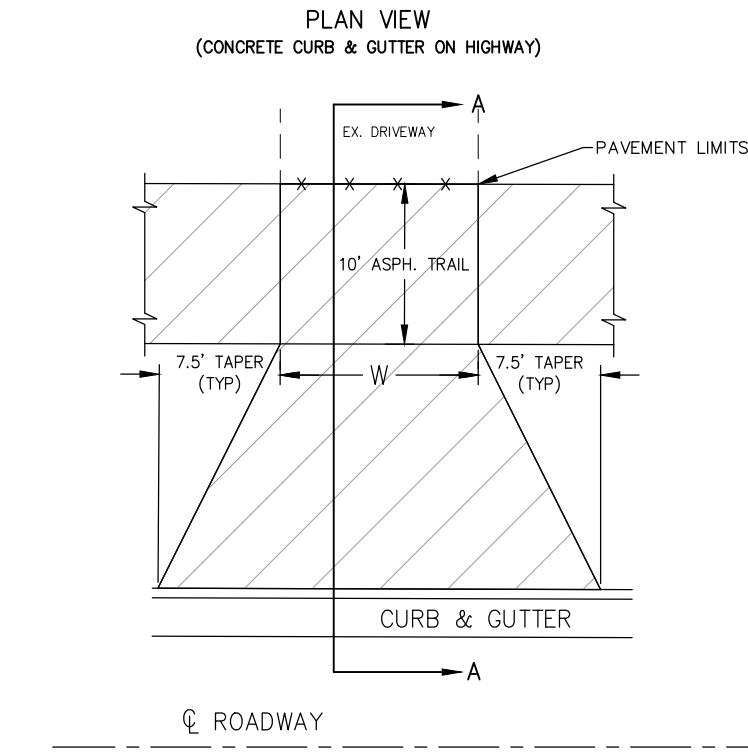
DESIGNED RJK	DRAWN RJK
PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO. 30	











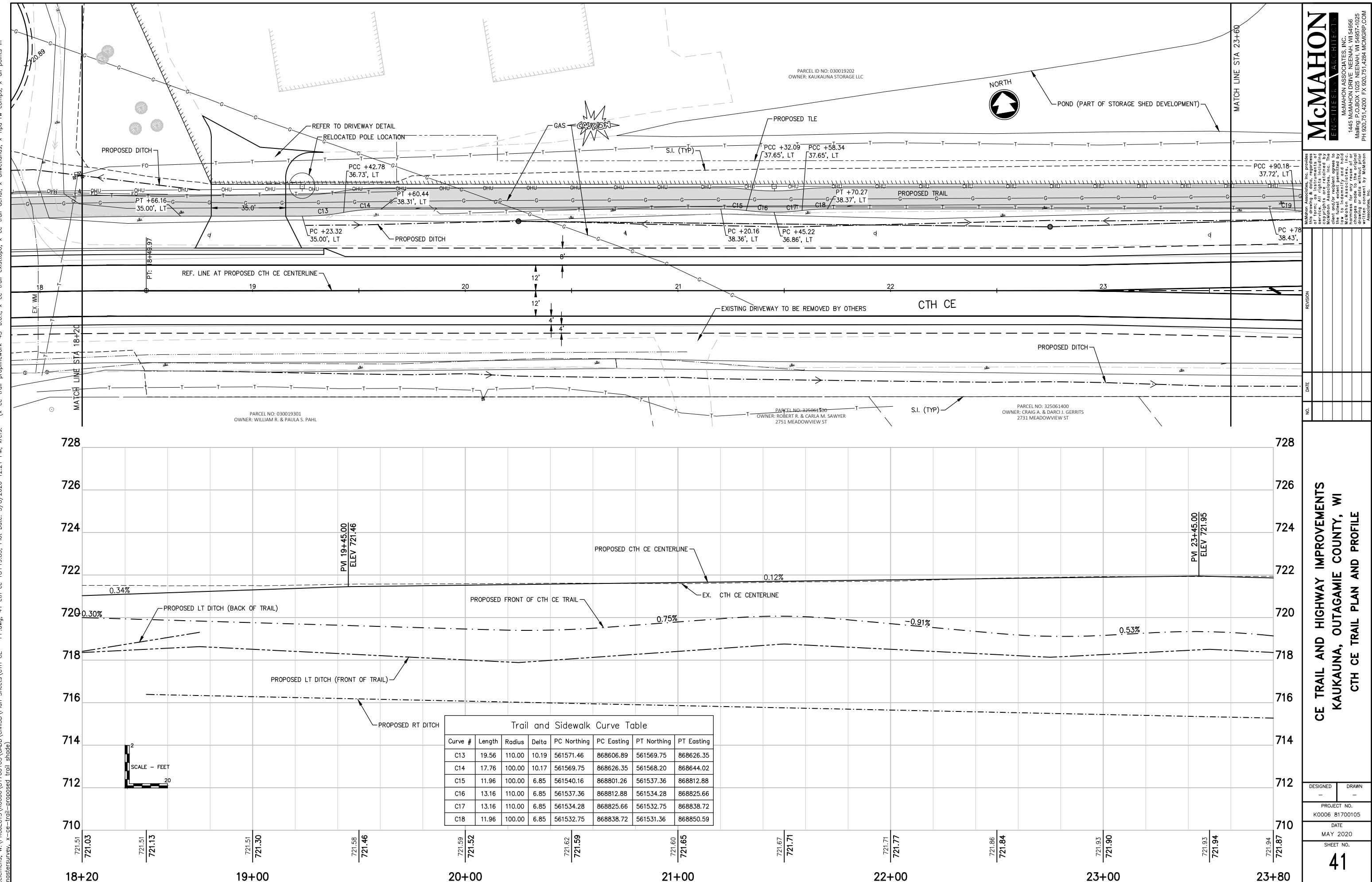
DRIVEWAY DETAIL

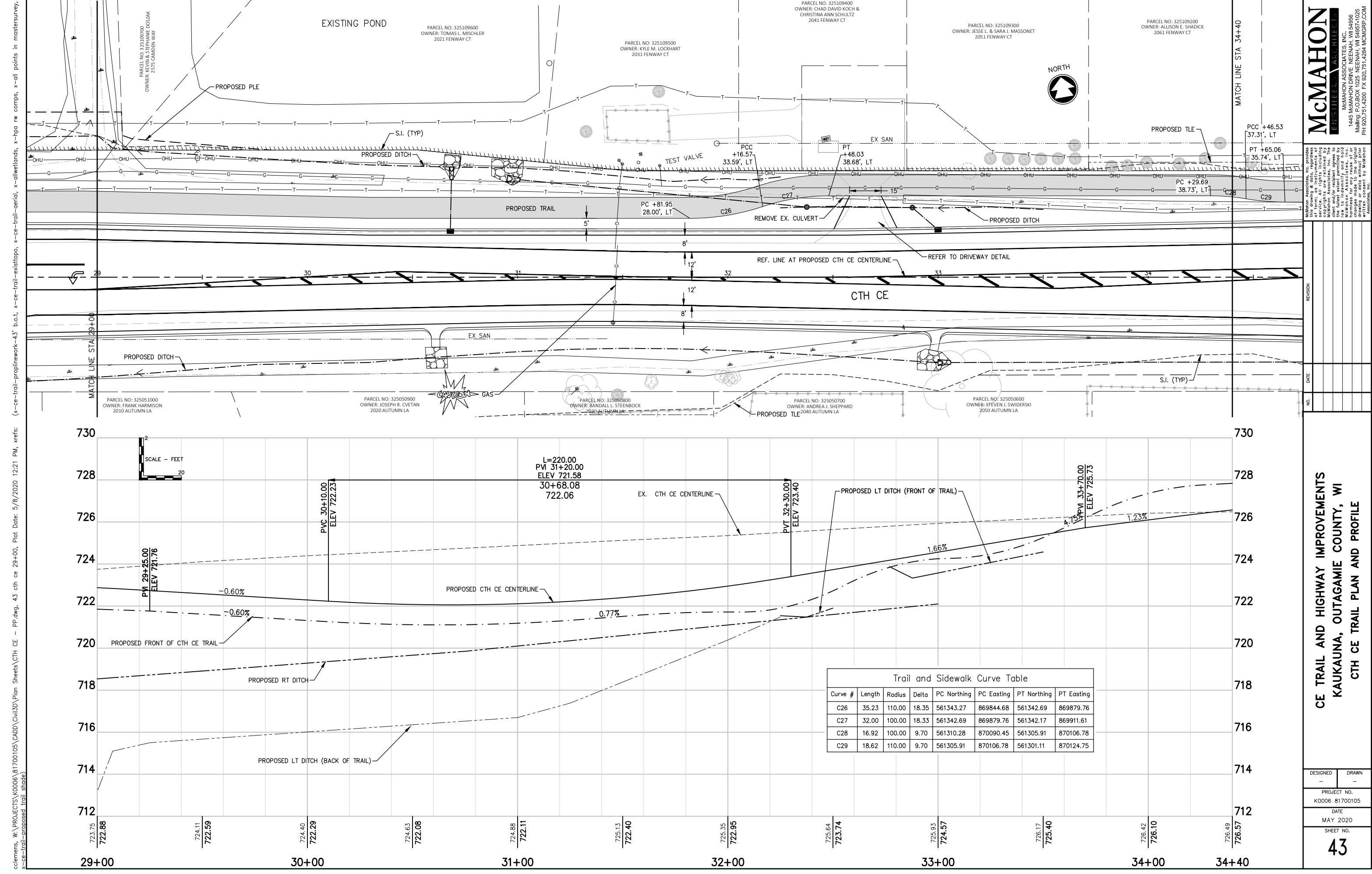
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DESIGNED	DRAWN
RJK	RJK
PROJECT NO.	K0006 81700105
DATE	MAY 2020
SHEET NO.	37

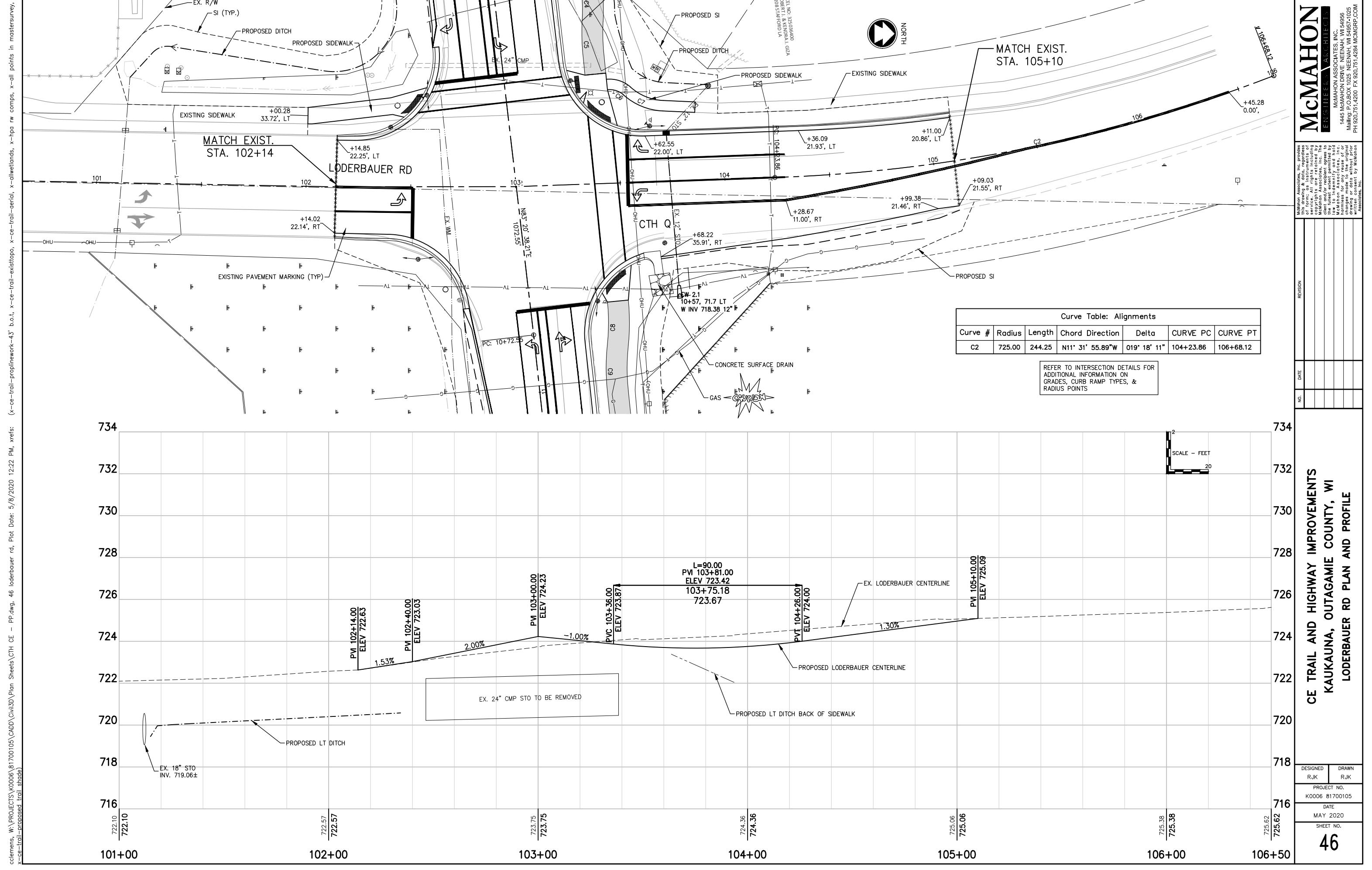
CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
CONSTRUCTION DETAILS

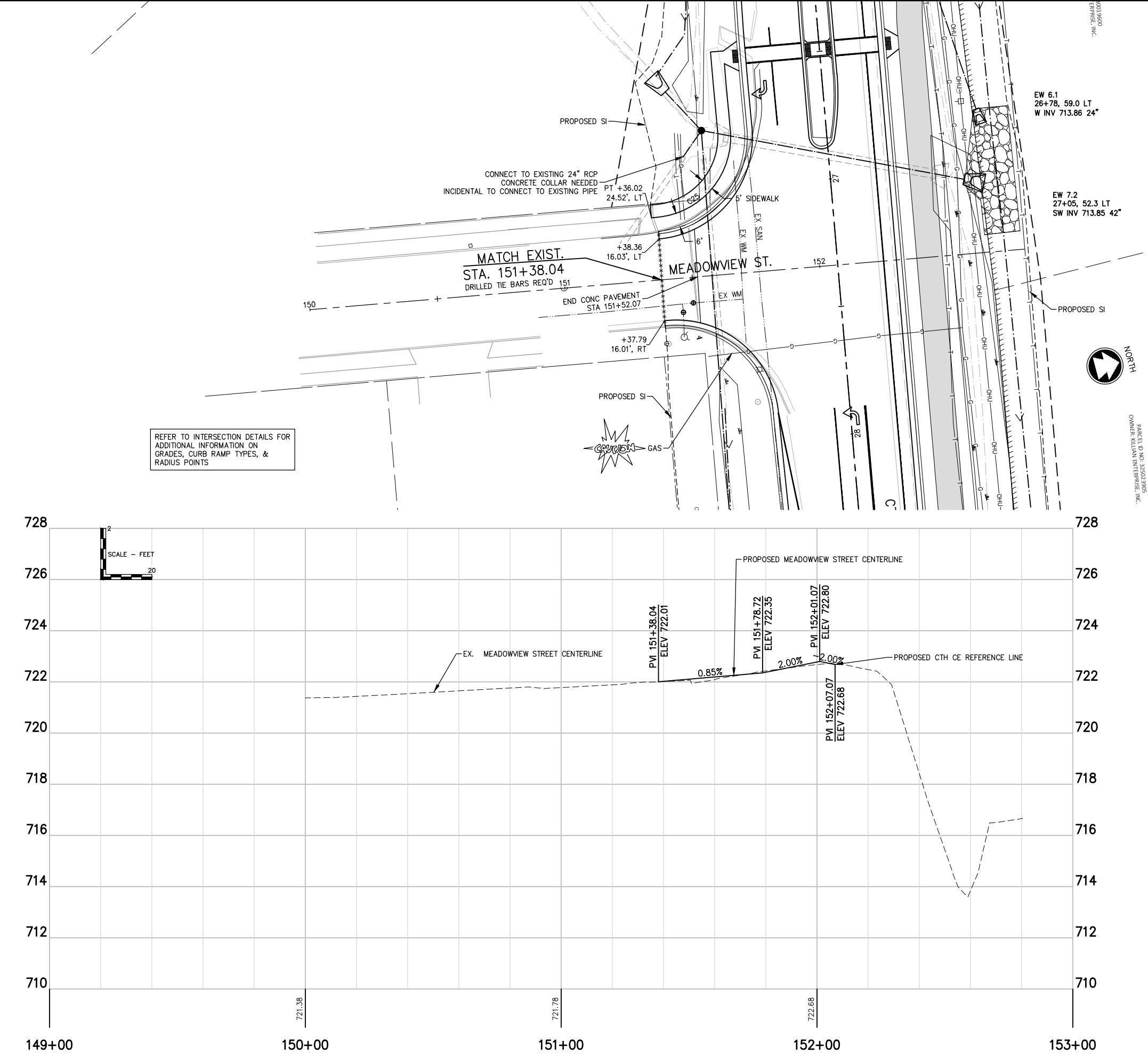
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CIVIL
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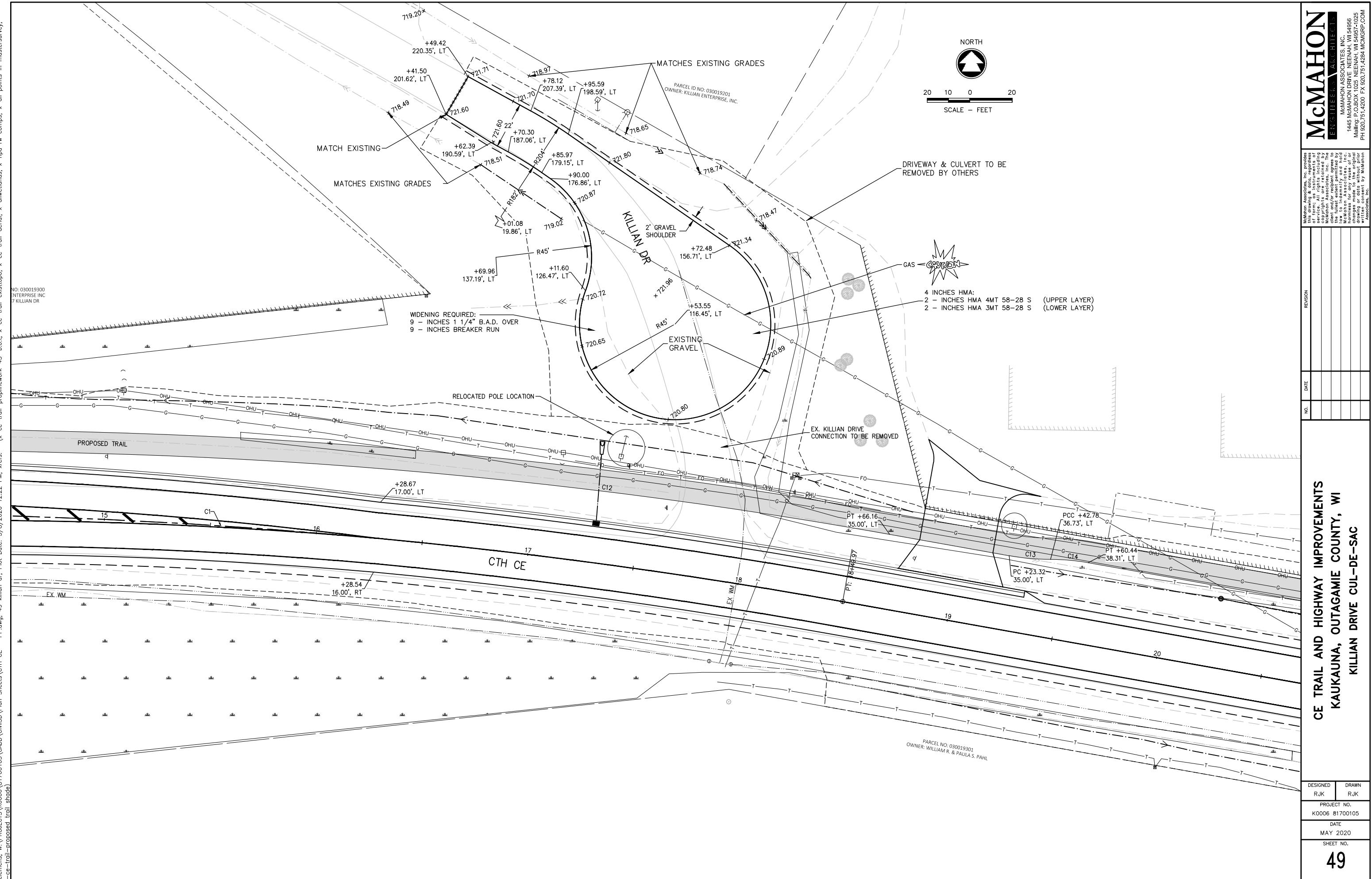
CE

SIGNED DRAW

JK RJK
PROJECT NO.
0006 81700105

DATE
MAY 2020

SHEET NO.



REMOVING SMALL PIPE CULVERTS

203.0100

STATION	LOCATION	EACH	REMARKS
9+42	CTH CE	1	CROSS CULVERT
9+45	CTH CE LT.	1	-
12+28	CTH CE	1	CROSS CULVERT
26+91	CTH CE	1	CROSS CULVERT
27+25 RT	CTH CE RT.	1	-
32+65	CTH CE LT.	1	-
38+00 LT	HAAS ROAD	1	NORTH OF CTH CE
40+45	CTH CE	1	CROSS CULVERT
40+55	CTH CE	1	CROSS CULVERT
PROJECT TOTAL		9	

REMOVING SIDEWALK

STATION	LOCATION	S.Y.
9+70 LT	CTH CE	45
9+70 RT	CTH CE	50
37+70 RT	MEADOWVIEW ST	15
38+30 RT	MEADOWVIEW ST	12
PROJECT TOTAL		122

REMOVING CURB & GUTTER

204.0150

STATION	LOCATION	L.F.	REMARKS
9+55	RT.	70	SW QUAD. LODERBAUER & CTH CE
9+70	LT.	205	NW QUAD. CTH Q & CTH CE
10+35	RT.	95	SE QUAD LODERBAUER & CTH CE
10+43	LT.	60	NE QUAD. CTH Q & CTH CE
27+00	RT.	85	SW QUAD. MEADOWVIEW ST. & CTH CE
27+63	RT.	65	SE QUAD. MEADOWVIEW ST. & CTH CE
37+65	RT.	100	SW QUAD. HAAS RD. & CTH CE
38+30	RT.	75	SE QUAD. HAAS RD. & CTH CE
PROJECT TOTAL		755	

REMOVING INLETS

204.0220

STATION	LOCATION	EACH	REMARKS
10+55 LT	CTH Q	1	-
PROJECT TOTAL		1	

REMOVING STORM SEWER (12-Inch)

STATION	LOCATION	L.F.
10+55 LT	CTH Q	70
PROJECT TOTAL		70

CLEARING & GRUBBING

LOCATION	CLEARING STATION	GRUBBING STATION	REMARKS
CTH CE, RT	1	1	31+10-32+10
PROJECT TOTAL	1	1	

EARTHWORK SUMMARY

Division	From/To Station	Location	Excavation Common (Item # 205.0100)	Estimated Salvaged/Unusable Pavement Material		Unexpanded Fill	*Expanded Fill	Mass Ordinate +/-	Comment:
				Cut	EBS				
0010	4+34 - 42+03	CTH CE	16,432.39	-	2,342	14,090	5,449.46	7,084	7,006
	103+60 - 105+10	LODERBAUER/ CTH Q	1,214.03	-	185	1,029	0.00	0	1,029
	151+38.04 - 151+88.63	MEADOWVIEW STREET	275.00	-	33	242	380.00	494	-252
	161+18.4 - 162+70.4	HAAS ROAD	655.00	-	40	615	87.00	113	502
	110+15 - 164+05	Undistributed	-	1,500					
	Subtotal		18,576	1,500	2,600	15,976	5,916	7,691	8,285
	Grand Total		20,076	1,500	2,600	15,976	5,916	7,691	8,285
	Total Excavation Common			20,076					

1 EXPANSION FACTOR FOR FILL = 30%

2 MASS ORDINATE: POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL ON THE PROJECT

3 UNDISTRIBUTED EBS (EXCAVATION BELOW SUBGRADE) VOLUME IS APPROXIMATED AND IS NOT SHOWN ON CROSS SECTIONS. ACTUAL EBS LOCATIONS TO BE DETERMINED BY ENGINEER FOR UNSTABLE SOILS. EBS EXCAVATION MATERIAL IS NOT INCLUDED IN THE MASS ORDINATE.

4 EBS EXCAVATION TO BE BACK FILLED WITH BREAKER RUN.

NOTE: EXISTING BASE COURSE FOUND WITHIN THE LIMITS OF EXCAVATION SHALL BE REUSED WITHIN THE PROJECT LIMITS

CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI

MISCELLANEOUS QUANTITIES

NO.	DATE	REVISION

APRON ENDWALLS FOR CULVERTS									
STATION	LOCATION	ENDWALL NUMBER	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE						
8+31, LT	CTH CE	EW 1.1	-	-	-	-	-	-	1
8+50, RT	CTH CE	EW 1.2	-	-	-	-	-	-	1
10+57.26, LT	CTH Q	EW 2.1	1	-	-	-	-	-	-
12+25.98, RT	CTH CE	EW 3.2	-	-	-	1	-	-	-
12+30.86, LT	CTH CE	EW 3.1	-	-	-	1	-	-	-
17+28, LT	CTH CE	EW 4.1	1	-	-	-	-	-	-
26+60.15, RT	CTH CE	EW 7.1	-	-	-	-	1	-	-
26+77.81, LT	CTH CE	EW 6.1	-	-	-	1	-	-	-
27+04.66, LT	CTH CE	EW 7.2	-	-	-	-	1	-	-
30+68 LT	CTH CE	EW 8.1	1	-	-	-	-	-	-
31+01, LT	CTH CE	EW 8.2	-	-	1	-	-	-	-
33+06, RT	CTH CE	EW 9.1	-	1	-	-	-	-	-
38+59.21, LT	CTH CE	EW 10.1	-	-	-	-	-	1	-
38+72, LT	CTH CE	EW 11.1	1	-	-	-	-	-	-
40+33, LT	CTH CE	EW 12.3	-	-	-	1	-	-	-
40+57, RT	CTH CE	EW 12.1	-	-	-	1	-	-	-
40+42, LT	CTH CE	EW 12.4	-	-	-	1	-	-	-
40+67, RT	CTH CE	EW 12.2	-	-	-	1	-	-	-
PROJECT TOTAL			4	1	1	3	4	2	1
									2

RIPRAP				
STATION	LIGHT CY	MEDIUM CY	HEAVY CY	GEOTEXTILE FABRIC TYPE HR
606.0100	606.0200	606.0300	645.0120	
RIPRAP	RIPRAP	RIP RAP		
8+50 RT.	-	6	-	7
25+80 LT.	2.5	-	-	4.5
25+80 RT.	5.6	-	-	12
27+00 LT.	-	-	75	90
30+68 LT.	-	6	-	8
30+60 RT.	-	10	-	15
30+95 LT.	-	15	-	20
33+00 RT.	-	12	-	15
36+68 LT.	-	28	-	32
103+68 RT.	5.6	-	-	12
PROJECT TOTALS				
	14	77	75	215.5

CULVERT PIPE CHECKS		
STATION	LOCATION	EACH
8+23 LT.	CTH CE	3
12+31 LT.	CTH CE	3
19+75 LT	CTH CE	3
26+57 RT.	CTH CE	3
40+58 RT	CTH CE	3
40+68 RT	CTH CE	3
PROJECT TOTAL		
		18

TEMPORARY DITCH CHECKS

628.7504

STATION TO STATION	L.F.
6+25 LT	10
6+60 RT.	10
9+00 RT	10
9+65 LT.	10
12+31 LT. (2)	20
14+31 LT.	10
16+28 LT.	10
18+20 LT.	10
18+50 RT	10
20+18 LT.	10
20+32 LT.	10
20+84 RT.	10
21+75 LT	10
22+55 RT.	10
22+72 LT.	10
22+82 LT.	10
24+44 LT.	10
24+56 LT. & RT.	20
26+55 RT.	10
26+75 LT	10
28+43 RT.	10
28+55 RT.	10
28+79 LT.	10
29+11 LT.	10
30+66 RT.	10
31+04 LT.	10
39+55 LT.	10
40+05 RT.	10
UNDISTRIBUTED	50

TRACKING PADS

628.7560

STATION	LOCATION	EACH
4+50 LT	CTH CE	1
41+75 LT	CTH CE	1
PROJECT TOTAL		
		2

MOBILIZATIONS	EROSION CONTROL
628.1905	628.1910
MOBILIZATIONS	EMERGENCY EROSION
EROSION CONTROL	CONTROL
LOCATION	EACH
PROJECT LIMITS	6
PROJECT TOTAL	6

CE TRAIL AND HIGHWAY IMPROVEMENTS KAUKAUNA, OUTAGAMIE COUNTY, WI MISCELLANEOUS QUANTITIES

DESIGNED DRAWN
RJK RJK
PROJECT NO. K0006 81700105
DATE MAY 2020
SHEET NO. 97

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ENGINEERS & PLANNERS

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CONCRETE CURB & GUTTER

STATION	LOCATION	601.0553			601.0411	601.0600			REMARKS
		601.0407	4-INCH SLOPED	601.0411		CONCRETE	CURB		
		18-INCH TYPE D	36-INCH TYPE D	30-INCH TYPE D		PEDESTRIAN	L.F.		
L.F.	L.F.	L.F.	L.F.	L.F.					
8+25 - 42+03	LODERBAUER RD - HAAS ROAD	-	3225	-	-	-	-	-	REJECT CURB
10+57 - 17+50	LODERBAUER ROAD TO EAST		705						
25+83 - 26+89	MEDIAN AT MEADOWVIEW STREET	190	-	-	20	REJECT CURB			
36+50 - 37+60	MEDIAN WEST OF HAAS ROAD INTERSECTION	53	-	44	14	44 LF TRANSITION @ INL			
36+50 - 26+89 RT.	MEDIAN WEST OF HAAS ROAD INTERSECTION	97	-	-	-	REJECT CURB			
38+33 - 38+90	MEDIAN EAST OF HAAS ROAD INTERSECTION	27	-	20	14	20 LF TRANSITION @ INL			
38+33 - 38+90 LT.	MEDIAN EAST OF HAAS ROAD INTERSECTION	47	-	-	-	REJECT CURB			
PROJECT TOTAL		414	3930	64	48				

CONCRETE SIDEWALK

STATION	LOCATION	602.0405	602.041	602.0415
		4-INCH SF	5-INCH SF	6-INCH SF
9+55 RT.	CURB RAMP & SIDEWALK	325	-	130
9+62 LT.	CURB RAMP	150	-	315
10+55 LT.	CURB RAMP	-	-	150
26+50	MEDIAN CURB RAMP	-	840	50
26+50 LT.	CURB RAMP	-	-	45
26+50 RT.	CURB RAMP	380	-	75
37+39	MEDIAN CURB RAMP	-	640	35
37+43 LT.	CURB RAMP	135	-	300
37+50 RT.	SW QUAD HAAS RD. CURB RAMPS	235	-	175
38+47	MEDIAN CURB RAMP	-	290	35
38+45 LT.	CURB RAMP	115	-	305
38+41 RT.	SE QUAD HAAS RD. CURB RAMPS	165	-	130
PROJECT TOTALS		1,505	1,770	1,745

SILT FENCE

STATION TO STATION	LOCATION	628.1504	628.1520
		SILT FENCE	SILT FENCE MAINTENANCE
10+50 - 12+00 LT.	CTH CE	300	300
10+25 - 18+45 RT.	CTH CE	850	850
39+73 - 40+75 LT.	CTH CE	100	100
40+00 - 42+00 RT	CTH CE	200	200
UNDISTRIBUTED		300	300
PROJECT TOTALS		1750	1750

CURB RAMP DETECTABLE WARNING FIELD

STATION	LOCATION	602.0515	602.0615
		NATURAL PATINA	NATURAL PATINA RADIAL
9+55 RT.	SW QUAD LODERBAUER	-	24
9+50 - 9+77 LT.	NW QUAD CTH Q	16	27
10+50 LT.	NE QUAD CTH Q	-	26
26+50	MEDIAN	20	-
26+50 RT.	CURB RAMP	10	-
26+50 LT.	CURB RAMP	10	-
37+39	MEDIAN	20	-
37+55 RT.	SW QUAD HAAS ROAD	10	16
37+46 LT.	NW QUAD HAAS ROAD	10	33
38+48	MEDIAN	20	-
38+40 RT.	SE QUAD HAAS ROAD	10	13
38+40 LT.	NE QUAD HAAS ROAD	10	33

PROJECT TOTAL 136 172

CONCRETE MEDIAN SLOPED NOSE

STATION	LOCATION	620.0300	NOTES
		SF	
25+82 - 26+88	CTH CE MEDIAN	90	INCLUDES 1 AT EACH END OF MEDIAN
36+50 - 37+60	CTH CE MEDIAN	80	INCLUDES 1 AT EACH END OF MEDIAN
38+31 - 38+90	CTH CE MEDIAN	90	INCLUDES 1 AT EACH END OF MEDIAN

PROJECT TOTAL 260

LANDSCAPING SUMMARY

STATION TO STATION	LOCATION	625.01	627.0200	629.0210	630.0130	630.0140	628.2023	624.01	603.0200
		TOPSOIL SY	MULCHING SY	FERTILIZER TYPE B CWT.	SEEDING MIXTURE NO. 30 LB.	SEEDING MIXTURE NO. 40 LB.	EROSION MAT CLASS II TYPE B SY	WATER MGAL	TEMP SEEDING LBS
4+34 - 42+03 LT & RT.	LT & RT	23600	18100	14.5	400	20	5500	55	
UNDISTRIBUTED		600	300		10	5	300	5	50
PROJECT TOTALS		24,200	18,400	14.5	410	25	5,800	60	50

NOTE: INSTALL INLET PROTECTION TYPE A'S OR D'S IN PROPOSED INLETS.
INSTALL INLET PROTECTION TYPE C'S IN EXISTING INLETS.

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CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
MISCELLANEOUS QUANTITIES

DESIGNED
RJK
DRAWN
RJK
PROJECT NO.
K0006 81700105
DATE
MAY 2020
SHEET NO.
98

STORM SEWER PIPES AND CULVERT PIPES															
FROM		TO		522.1036 Culvert Pipe Reinforced Concrete Class III	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	608.0318 Storm Sewer Pipe Reinforced Concrete Class III	608.0324 Storm Sewer Pipe Reinforced Concrete Class III	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV	608.2414 Storm Sewer Pipe Reinforced Concrete	608.2419 Storm Sewer Pipe Reinforced Concrete	520.8000 Concrete Collars for Pipe		
				36-Inch LF	18-Inch LF	24-Inch LF	12-Inch LF	24-Inch LF	42-Inch LF	HE-IV 14x23-Inch LF	HE-IV 19x30-Inch LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	
INL 3	-	INL 4	-	-	-	-	250	-	-	-	-	-	715.56	714.69	0.0035
EW 1.1	-	MH 1	-	-	-	-	-	-	-	19	-	-	724.00	722.13	0.0983
INL 1	-	EW 2.1	-	-	-	-	74	-	-	-	-	-	718.70	718.38	0.0044
MH 1	-	EW 1.2	-	-	-	-	-	-	-	78	-	-	721.10	721.00	0.0016
INL 4	-	INL 5	-	-	175	-	-	-	-	-	-	-	714.69	714.25	0.0025
INL 7	-	EW 8.1	-	-	-	-	25	-	-	-	-	-	717.24	716.50	0.0300
MH 2	-	EW 6.1	-	-	-	91	-	-	-	-	-	-	714.02	713.86	0.0017
INL 5	-	MH 2	-	-	-	-	-	139	-	-	-	-	714.25	714.02	0.0017
EW 3.1	-	EW 3.2	-	-	-	-	-	82	-	-	-	-	716.15	715.91	0.0029
INL 10	-	INL 9	-	-	-	-	16	-	-	-	-	-	720.14	719.18	0.0595
MH 3	-	EW 7.2	-	-	-	-	-	105	-	-	-	-	713.98	713.85	0.0012
INL 6	-	MH 3	-	-	173	-	-	-	-	-	-	-	714.86	713.98	0.0051
INL 2	-	EW 4.1	-	-	-	-	32	-	-	-	-	-	717.95	717.83	0.0030
INL 15	-	MH 5	-	11	-	-	-	-	-	-	-	-	723.16	723.10	0.0054
MH 3	-	EW 8.1	-	-	-	-	-	4	-	-	-	-	716.98	716.72	0.0744
INL 8	-	EW 8.2	-	-	137	-	-	-	-	-	-	-	717.67	716.72	0.0069
INL 14	-	INL 13	-	-	-	-	32	-	-	-	-	-	722.88	722.73	0.0046
MH 5	-	EW 9.1	-	410	-	-	-	-	-	-	-	-	723.10	722.10	0.0024
INL 9	-	INL 8	-	50	-	-	-	-	-	-	-	-	719.18	717.67	0.0300
INL 11	-	INL 13	-	-	-	-	50	-	-	-	-	-	722.96	722.73	0.0045
EW 7.1	-	MH 3	-	-	-	-	-	18	-	-	-	-	714.01	713.98	0.0017
INL 12	-	EW 10.1	-	-	-	-	-	-	130	-	-	-	722.61	722.30	0.0024
INL 16	-	EW 11.1	-	-	-	-	48	-	-	-	-	-	722.97	722.75	0.0046
EXISTING	-	MH 3	-	-	-	12	-	-	-	-	-	1	713.99	713.98	0.0008
EW 12.1	EW 12.3	70	-	-	-	-	-	-	-	-	-	-	720.80	720.33	0.0067
EW 12.2	EW 12.4	70	-	-	-	-	-	-	-	-	-	-	720.82	720.31	0.0073
TOTALS		140	471	485	103	277	225	123	130	97	1				

CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
MISCELLANEOUS QUANTITIES

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REVISION
NO. DATE

DESIGNED DRAWN
RJK RJK
PROJECT NO.
K0006 81700105
DATE
MAY 2020
SHEET NO.
99

McMAHON
ASSOCIATES, INC.
ENGINEERS & PLANNERS
1445 McMAHON DRIVE, NEENAH, WI 54956
Mailing: P.O. BOX 1025 NEENAH, WI 54956
Phone: 920/751-4280 Fax: 920/751-4284 MCGRFCOM
McMahon Associates, Inc.

CABLE TRAFFIC SIGNAL & LOOP DETECTOR LEAD IN CABLE

FROM	TO	655.0230	655.0240	655.0260	655.0270	655.0700
		5-14 AWG	7-14 AWG	12-14 AWG	15-14 AWG	LOOP DETECTOR LEAD IN CABLE*
		LF	LF	LF	LF	LF
CB1	SB7-A	-	-	58	-	-
SB7-A	HEAD 8	-	17	-	-	-
SB7-A	HEAD 10	17	-	-	-	-
CB1	SB6-A	-	-	-	108	-
SB6-A	HEAD 6	55	-	-	-	-
SB6-A	PH4B	11	-	-	-	-
SB6-A	4B	-	-	-	-	6
SB6-A	PH2A	11	-	-	-	-
SB6-A	2B	-	-	-	-	6
SB6-A	PH2A	11	-	-	-	-
CB1	SB8-A	-	-	154	-	-
SB8-A	HEAD 9	-	55	-	-	-
CB1	SB1-A	-	-	174	-	-
SB1-A	HEAD 2	17	-	-	-	-
SB1-A	HEAD 4	17	-	-	-	-
SB1-A	PH2B	11	-	-	-	-
SB1-A	2B	-	-	-	-	6
CB1	SB2-A	-	-	266	-	-
SB2-A	HEAD 3	55	-	-	-	-
CB1	SB3	-	-	286	-	-
SB3	HEAD 7	-	17	-	-	-
SB3	HEAD 11	17	-	-	-	-
CB1	SB5-A	-	-	201	-	-
SB5-A	HEAD 1	17	-	-	-	-
SB5-A	HEAD 5	17	-	-	-	-
CB1	SB4-A	-	-	243	-	-
SB4-A	HEAD 12	55	-	-	-	-
SB4-A	PH4A	11	-	-	-	-
SB4-A	4B	-	-	-	-	6

PROJECT TOTALS 322 89 1,382 108 24

*ADDITIONAL QUANTITIES INCLUDED ELSEWHERE

LOOP DETECTORS

LOCATION	LOOP #	SIZE	# OF TURNS	655.0700	652.0800 CONDUIT	LEAD IN CABLE	655.0800 WIRE	REMARKS
				LF				
CTH CE, E. Approach	21	6'x10'	5	42	549	180		
CTH CE, E. Approach	22	6'x6'	4	34	319	116		
CTH CE, E. Approach	23	6'x20'	3	80	185	192		
CTH CE, E. Approach	24	6'x20'	3	80	185	192		
CTH Q, N. Approach	41	6'x20'	3	-	221	-	EXISTING LOOP TO REMAIN, NEW LEAD-IN REQ'D	
CTH Q, N. Approach	42	6'x20'	3	62	100	176		
CTH Q, N. Approach	43	6'x20'	3	72	64	196		
CTH Q, N. Approach	44	6'x20'	4	72	100	248		
CTH Q, N. Approach	45	6'x20'	4	82	64	252		
CTH Q, N. Approach	46	6'x20'	3	77	100	216		
CTH Q, N. Approach	47	6'x20'	3	77	64	224		
CTH CE, W. Approach	61	6'x10'	4	42	527	180		
CTH CE, W. Approach	62	6'x6'	3	62	283	126		
CTH CE, W. Approach	63	6'x20'	3	82	160	116		
CTH CE, W. Approach	64	6'x20'	3	82	160	116		
Loderbrauer, S. Approach	81	6'x18'	4	-	520	-	EXISTING LOOP TO REMAIN, NEW LEAD-IN REQ'D	
Loderbrauer, S. Approach	82	6'x20'	3	-	394	-	EXISTING LOOP TO REMAIN, NEW LEAD-IN REQ'D	
Loderbrauer, S. Approach	83	6'x6'	3	34	430	116		
Loderbrauer, S. Approach	84	6'x20'	3	62	430	176		
Loderbrauer, S. Approach	31	6'x20'	4	-	394	-	EXISTING LOOP TO REMAIN, NEW LEAD-IN REQ'D	
Loderbrauer, S. Approach	32	6'x6'	4	44	430	136		
Loderbrauer, S. Approach	33	6'x20'	4	72	430	248		

PROJECT TOTALS

1158 6109 3206

ADJUSTING WATER VALVE BOXES

SPV.0060.02

STATION	LOCATION	DESCRIPTION	EACH
27+45	60' RT.	MEADOWVIEW ST	2
38+16	28' RT.	HAAS ROAD	1
PROJECT TOTAL			3

CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
MISCELLANEOUS QUANTITIES

NO.	DATE	REVISION

DESIGNED
RJK
DRAWN
RJK
PROJECT NO.
K0006 81700105
DATE
MAY 2020
SHEET NO.
101

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PEDESTRIAN SIGNAL FACES, PUSH BUTTONS

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0416 PEDESTRIAN SIGNAL FACE 16 INCH	658.0500 PEDESTRIAN PUSH BUTTONS	658.5069 SIGNAL MOUNTING HARDWARE
PH2A	SB6-A	1	1	-
PH2B	SB1-A	1	1	-
PH4A	SB4-A	1	1	-
PH4B	SB6-A	1	1	-
-	-	-	-	1
PROJECT TOTALS		4	4	1

CONDUIT RIDGID NONMETALLIC SCHEDULE 40

FROM	TO	1-INCH	2-INCH	3-INCH	REMARKS
		652.0210	652.0225	652.0235	
CB1	PB14-A	-	-	10	CONNECT TO EXISTING CONDUIT (2 x 5')
PB14-A	PB1-A	-	-	118	2 x 89'
PB1-A	PB6-A	-	-	194	2 x 97'
PB6-A	PB9-A	-	-	198	2 x 99'
PB9-A	PB10-A	-	-	62	2 x 31'
PB10-A	PB14-B	-	-	140	2 x 70'
PB14-B	PB14-A	-	-	37	-
PB14-A	SB7-A	-	17	-	-
PB1-A	SB8-A	-	8	-	-
PB1-A	SB1-A	-	29	-	-
PB6-A	SB2-A	-	7	-	
PB6-A	SB3	-	5	-	CONNECT TO EXISTING CONDUIT
PB6-A	PB7	-	5	-	CONNECT TO EXISTING CONDUIT
PB9-A	SB4-A	-	16	-	-
PB10-A	SB5-A	-	20	-	-
PB14-B	SB6-A	-	13	-	-
PB1-A	PB2-A	45	-	-	-
PB2-A	PB3-A	117	-	-	-
PB3-A	PB5-A	230	-	-	-
PB7-A	PB7	20	-	-	-
PB10-A	PB11-A	110	-	-	-
PB11-A	PB13-A	230	-	-	-
PB14-A	PB15-A	29	-	-	-
PB15-A	PB15-B	21	-	-	-
PB15-B	PB16	5	-	-	CONNECT TO EXISTING CONDUIT
PROJECT TOTALS		807	120	759	

SAWING ASPHALT

690.0150

STATION	LOCATION	LF
4+34	CTH CE	32
8+25 LT.	TRAIL	10
17+75 LT.	KILLIAN DRIVE	25
20+00 LT.	DRIVEWAY	50
42+03	CTH CE	32
10+00 LT.	CTH Q	45
38+00 RT.	HAAS ROAD	36
PROJECT TOTAL		230

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

655.0515

FROM	TO	LF
CB1	SB7-A	41
SB7-A	SB8-A	128
SB8-A	SB1-A	50
SB1-A	SB2-A	145
SB2-A	SB3	38
SB3	SB4-A	148
SB4-A	SB5-A	79
SB5-A	SB6-A	114
SB6-A	CB1	76
PB14-A	CB1	18
PB1-A	SB8-A	15
PB6-A	SB2-A	12
PB9-A	SB4-A	22
PB10-A	SB5-A	25
PB14-B	SB7-A	19
PROJECT TOTAL		107

PROJECT TOTAL 930

CROSSWALK SOLAR-POWERED, RADIO, PUSH BUTTON ACTIVATED WARNING SYSTEM

*

654.0101

CONCRETE BASES	SPV	SPV		
TYPE 1	RRFB1	RRFB2		
LOCATION	EA	EA	EA	REMARKS
STA. 26+55 LT	1	1	-	CTH CE AND MEADOWVIEW PEDESTRIAN CROSSING
STA. 26+55 CL	1	-	1	CTH CE AND MEADOWVIEW PEDESTRIAN CROSSING
STA. 26+55 RT	1	1	-	CTH CE AND MEADOWVIEW PEDESTRIAN CROSSING
STA. 37+33 RT	1	1	-	CTH CE AND HAAS PEDESTRIAN CROSSING, W. APPROACH
STA. 37+33 RT	1	1	-	CTH CE AND HAAS PEDESTRIAN CROSSING, W. APPROACH
STA. 38+52 LT	1	1	-	CTH CE AND HAAS PEDESTRIAN CROSSING, E. APPROACH
STA. 38+52 LT	1	1	-	CTH CE AND HAAS PEDESTRIAN CROSSING, E. APPROACH

PROJECT TOTALS 7 6 1

*ADDITIONAL QUANTITIES INCLUDED ELSEWHERE

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 ENGINEERING & DESIGN
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**CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
MISCELLANEOUS QUANTITIES**

 DESIGNED DRAWN
 RJK RJK
 PROJECT NO.
 K0006 81700105
 DATE
 MAY 2020
 SHEET NO.
 102

CONCRETE BASES AND TRAFFIC SIGNAL RELOCATION INFORMATION

204.0195					
REMOVING		*			
CONCRETE BASES		654.0101	654.0102		
LOCATION	BASES	TYPE 1	TYPE 2	EA	EA
SB1		1	--	--	--
SB2		1	--	--	--
SB3		--	--	--	EXISTING TYPE 1 SIGNAL ASSEMBLY TO REMAIN IN PLACE
SB4		1	--	--	--
SB5		1	--	--	--
SB6		1	--	--	--
SB7		1	--	--	--
SB8		1	--	--	--
SB1-A	--	1	--	RELOCATE EXISTING TYPE 1 SIGNAL ASSEMBLY FROM SB1 TO SB1-A	
SB2-A	--	--	1	RELOCATE EXISTING TYPE 2 SIGNAL ASSEMBLY FROM SB2 TO SB2-A	
--	--	--	--	--	--
SB4-A	--	--	1	RELOCATE EXISTING TYPE 2 SIGNAL ASSEMBLY FROM SB4 TO SB4-A	
SB5-A	--	1	--	RELOCATE EXISTING TYPE 1 SIGNAL ASSEMBLY FROM SB5 TO SB5-A	
SB6-A	--	--	1	RELOCATE EXISTING TYPE 2 SIGNAL ASSEMBLY FROM SB6 TO SB6-A	
SB7-A	--	1	--	RELOCATE EXISTING TYPE 1 SIGNAL ASSEMBLY FROM SB7 TO SB7-A	
SB8-A	--	--	1	RELOCATE EXISTING TYPE 2 SIGNAL ASSEMBLY FROM SB8 TO SB8-A	

PROJECT TOTALS 7 3
*ADDITIONAL QUANTITIES INCLUDED ELSEWHERE

NOTE 1: TYPE 1 SIGNAL ASSEMBLY = TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, AND ALL TRAFFIC SIGNAL FACES, PEDESTRIAN SIGNAL FACES, PUSH BUTTONS, ETC.

NOTE 2: TYPE 2 SIGNAL ASSEMBLY = TRAFFIC SIGNAL POLE-TYPE 2, TRANSFORMER BASE, AND ALL TRAFFIC SIGNAL FACES, PEDESTRIAN SIGNAL FACES, PUSH BUTTONS, ETC.

NOTE 3: EXISTING PEDESTRIAN SIGNALS AND PUSH BUTTONS TO BE REPLCED AS PART OF THIS PROJECT

NOTE 4: REFER TO SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING SALVAGING AND REINSTALLING TRAFFIC SIGNALS

PULL BOXES

PULL BOX NO.	653.0905 REMOVING EA	653.0900 ADJUSTING EA	653.0110 STEEL, 12x30-INCH EA	653.0140 STEEL, 24x42-INCH EA	REMARKS
PB1	1	-	-	-	SALVAGE COVER (24")
PB2	1	-	-	-	-
PB3	1	-	-	-	SALVAGE COVER (12")
-	-	-	-	-	-
PB5	1	-	-	-	SALVAGE COVER (12")
PB6	1	-	-	-	-
PB7	-	1	-	-	-
PB8	-	-	-	-	REMAINS IN PLACE WITH NO ADJUSTMENT
PB9	1	-	-	-	SALVAGE COVER (24")
PB10	1	-	-	-	SALVAGE COVER (12")
PB11	1	-	-	-	SALVAGE COVER (12")
-	-	-	-	-	-
PB13	1	-	-	-	SALVAGE COVER (12")
PB14	1	-	-	-	SALVAGE COVER (24")
PB15	1	-	-	-	SALVAGE COVER (12")
PB16	-	-	-	-	REMAINS IN PLACE WITH NO ADJUSTMENT
-	-	-	-	-	-
PB1-A	-	-	-	1	-
PB2-A	-	-	1	-	-
PB3-A	-	-	1	-	-
-	-	-	-	-	-
PB5-A	-	-	1	-	-
PB6-A	-	-	-	1	-
PB7-A	-	-	1	-	-
-	-	-	-	-	-
PB9-A	-	-	-	1	-
PB10-A	-	-	-	1	-
PB11-A	-	-	1	-	-
-	-	-	-	-	-
PB13-A	-	-	1	-	-
PB14-A	-	-	-	1	-
PB14-B	-	-	-	1	-
PB15-A	-	-	1	-	-
PB15-B	-	-	1	-	-

PROJECT TOTAL 11 1 8 6

TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
MISCELLANEOUS QUANTITIES

DESIGNED	DRAWN
RJK	RJK
PROJECT NO.	
K0006 81700105	
DATE	
MAY 2020	
SHEET NO.	
103	

McMAHON ENGINEERS & ARCHITECTS
McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE, NEEDHAM, MA 02492
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1445 P.O. BOX 1025
NEENAH, WI 54956
54957-1025

WORK BY OUTAGAMIE COUNTY

ASPHALTIC MATERIALS

STATION TO STATION	LOCATION	465.0120 ASPHALTIC					
		460.6223 HMA PAVEMENT 3MT 58-28S	460.6224 HMA PAVEMENT 4MT 58-28S	465.0105 ASPHALTIC SURFACE	SURFACE & FIELD ENT.	455.0605 TACK COAT	TON
4+33 - 42+03	CTH CE	3530	2350	-	-	1165	
8+25 - 37+36	BIKE/PED TRAIL	-	-	570	-	-	
19+00 - 32+90 LT	DRIVEWAYS	-	-	-	40	-	
103+60 - 105+10	CTH Q NORTH OF CTH CE	155	105	-	-	55	
-	KILLIAN DRIVE CUL-DE-SAC	190	127	-	-	65	
PROJECT TOTALS		3,875	2,582	570	40	1,285	

PAVEMENT MARKING EPOXY

STATION TO STATION	LOCATION	646.7420 CROSS WALK EPOXY							
		646.1020 MARKING LINE 4-INCH (YELLOW)	646.1020 MARKING LINE 4-INCH (WHITE)	646.3020 MARKING LINE 8-INCH	646.5020 ARROW	646.6120 STOP LINE	646.7105 MARKING DIAGONAL	646.8220 ISLAND	646.7420 TRANSVERSE LINE
4+34 - 9+65	CTH CE	1600	1020	400	4	40	50	-	140
10+50 - 37+60	CTH CE	7550	5625	330	7	35	320	4	185
38+30 - 42+03	CTH CE	735	1150	-	2	-	-	2	105
37+50 - 38+30	HAAS ROAD	-	-	-	50	-	-	-	230
102+14 - 106+47	LODERBAUER/ CTH Q	660	-	190	5	60	-	-	140
PROJECT TOTALS		10,545	7,795	920	18	185	370	6	800

BASE AGGREGATE DENSE

AREA	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH	
		TON	REVISION
CONCRETE SIDEWALK	9+42 - 38+60	-	
CONCRETE PAVEMENT	MEADOWVIEW STREET	-	
CONCRETE PAVEMENT	HAAS ROAD	-	
ASPHALT PAVEMENT	4+34 - 42+02	300	
CURB AND GUTTER	9+25 - 39+00	-	
DRIVEWAYS	19+50 - 32+90	-	
ASPHALT TRAIL	BIKE/PED TRAIL	-	
ASPHALT PAVEMENT	CTH Q	21	
SHOULDER	UNDISTRIBUTED	80	
EBS	UNDISTRIBUTED	-	
KILLIAN DR.	CUL-DE-SAC	6	

PROJECT TOTALS 407

PAVEMENT MARKING REMOVAL

STATION TO STATION	LOCATION	646.9000 LINE	
		LF	LF
4+33	CTH CE TIE IN	40	
10+00 RT.	LODERBAUER TIE IN	30	
10+00 LT.	CTH Q TIE IN	50	
42+03	CTH CE TIE IN	40	

PROJECT TOTALS 120

CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI

MISCELLANEOUS QUANTITIES

DESIGNED RJK	DRAWN RJK
PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO. 104	

McMAHON
ASSOCIATES, INC.
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WORK BY OUTAGAMIE COUNTY

SIGNING

STATION	LOCATION	SIGN CODE	SIZE		REFLECTIVE H	SIGNS TYPE II		POSTS WOOD	POSTS WOOD	POSTS WOOD	REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS	REMARKS
			W	H		SF	EACH	EACH	EACH	4X6-INCH X14-FT	4X6-INCH X16-FT	4X6-INCH X18-FT	
5+02 RT	CTH CE	SPECIAL	-	-	-	--	-	-	-	1	1	1	SPECIAL SIGNS TO BE DESIGNED BY THE COUNTY
7+71 LT	CTH CE	W11-3	30	X	30	6.25	1	-	-	1	1	1	SPECIAL SIGNS TO BE DESIGNED BY THE COUNTY
7+71 LT	CTH CE	SPECIAL	-	-	-	--	-	-	-	1	1	1	SPECIAL SIGNS TO BE DESIGNED BY THE COUNTY
8+24 LT	CTH CE	SPECIAL	-	X	-	--	-	-	-	1	1	1	SPECIAL SIGNS TO BE DESIGNED BY THE COUNTY
9+49 RT	CTH CE	M1-5A	24	X	24	4.00	-	-	-	1	1	1	
9+49 RT	CTH CE	M6-1	21	X	21	3.06	-	-	1	1	1	1	
10+61 LT	CTH CE	M1-5A	24	X	24	4.00	-	-	-	1	1	1	
10+61 LT	CTH CE	M6-1	21	X	21	3.06	-	-	1	1	1	1	
11+30 RT	CTH CE	SPECIAL	-	-	-	--	-	-	-	1	1	1	SPECIAL SIGNS TO BE DESIGNED BY THE COUNTY
13+72 LT	CTH CE	S4-51	24	X	48	8.00	-	-	1	1	1	1	
14+06 RT	CTH CE	R2-1	24	X	30	5.00	-	-	-	1	1	1	
14+06 RT	CTH CE	S5-2	24	X	30	5.00	-	-	1	1	1	1	
15+00 LT	CTH CE	SPECIAL	-	-	-	--	-	-	-	1	1	1	SPECIAL SIGNS TO BE DESIGNED BY THE COUNTY
17+60 LT	CTH CE	S1-1	36	X	36	9.00	-	-	-	1	1	1	
17+60 LT	CTH CE	R2-6P	24	X	18	3.00	-	-	1	1	1	1	
18+79 LT	CTH CE	M2-1	21	X	15	2.19	-	-	-	1	1	1	
18+79 LT	CTH CE	M1-5A	24	X	24	4.00	1	-	-	1	1	1	
20+75 LT	CTH CE	SPECIAL	-	-	-	--	-	-	-	1	1	1	SPECIAL SIGNS TO BE DESIGNED BY THE COUNTY
21+93 LT	CTH CE	W3-3	36	X	36	9.00	1	-	-	1	1	1	
23+50 LT	CTH CE	R2-1	24	X	30	5.00	1	-	-	1	1	1	
23+50 RT	CTH CE	R2-1	24	X	30	5.00	1	-	-	1	1	1	
25+91 RT	CTH CE	R4-7	24	X	30	5.00	1	-	-	1	1	1	
26+81 RT	CTH CE	R4-7	24	X	30	5.00	1	-	-	1	1	1	
32+83 RT	CTH CE	SPECIAL	-	-	-	--	-	-	-	1	1	1	SPECIAL SIGNS TO BE DESIGNED BY THE COUNTY
35+91 RT	CTH CE	W1-2R	36	X	36	9.00	-	1	-	1	1	1	
36+09 LT	CTH CE	R2-1	24	X	30	5.00	1	-	-	1	1	1	
36+60 RT	CTH CE	W12-1D	24	X	24	4.00	1	-	-	1	1	1	
37+51 RT	CTH CE	R4-7	24	X	30	5.00	1	-	-	1	1	1	
38+40 RT	CTH CE	R4-7	24	X	30	5.00	1	-	-	1	1	1	
38+83 RT	CTH CE	W12-1D	24	X	24	4.00	1	-	-	1	1	1	
39+75 RT	CTH CE	R2-1	24	X	30	5.00	1	-	-	1	1	1	
103+66 LT	CTH Q	M1-5A	24	X	24	4.00	-	-	-	1	1	1	
103+66 LT	CTH Q	M6-4	21	X	21	3.06	1	-	-	1	1	1	
104+61 LT	CTH Q	R3-8W	54	X	30	11.25	2	-	-	1	1	1	
151+51 RT	MEADOWVIEW ST	R1-1	30	X	30	6.25	1	-	-	1	1	1	
161+40 RT	HAAS RD	R1-1	30	X	30	6.25	1	-	-	1	1	1	
162+52 LT	HAAS RD	R1-1	30	X	30	6.25	1	-	-	1	1	1	

JOB TOTAL 159.63 19 6 0 37 37

CE TRAIL AND HIGHWAY IMPROVEMENTS
KAUKAUNA, OUTAGAMIE COUNTY, WI
MISCELLANEOUS QUANTITIES

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DESIGNED RJK	DRAWN RJK
PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO. 105	

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