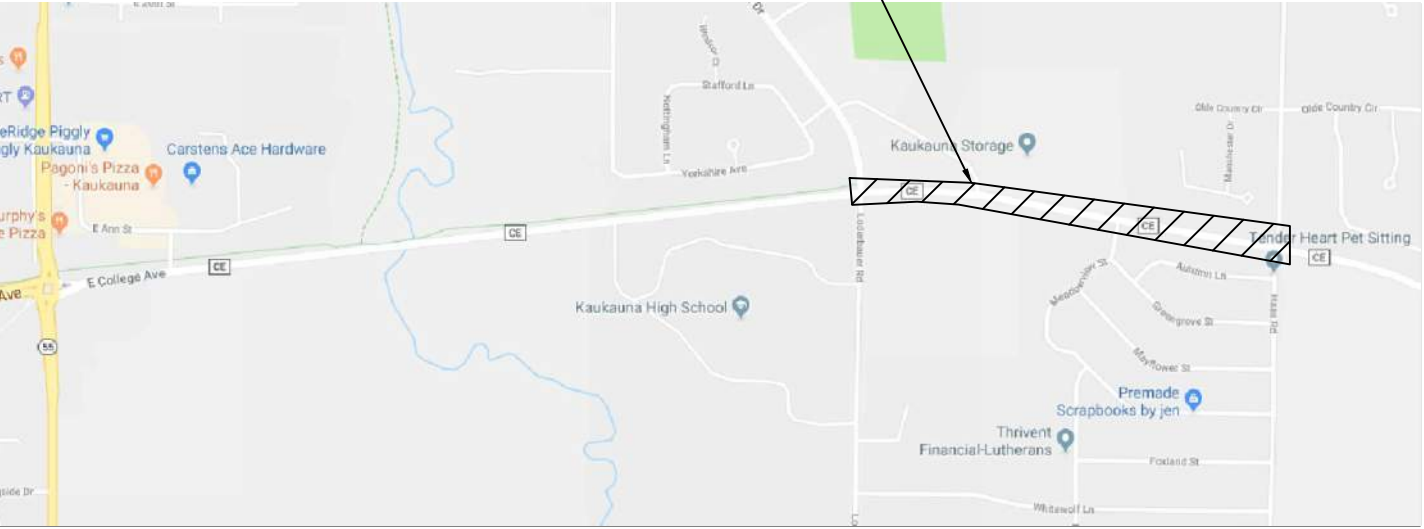
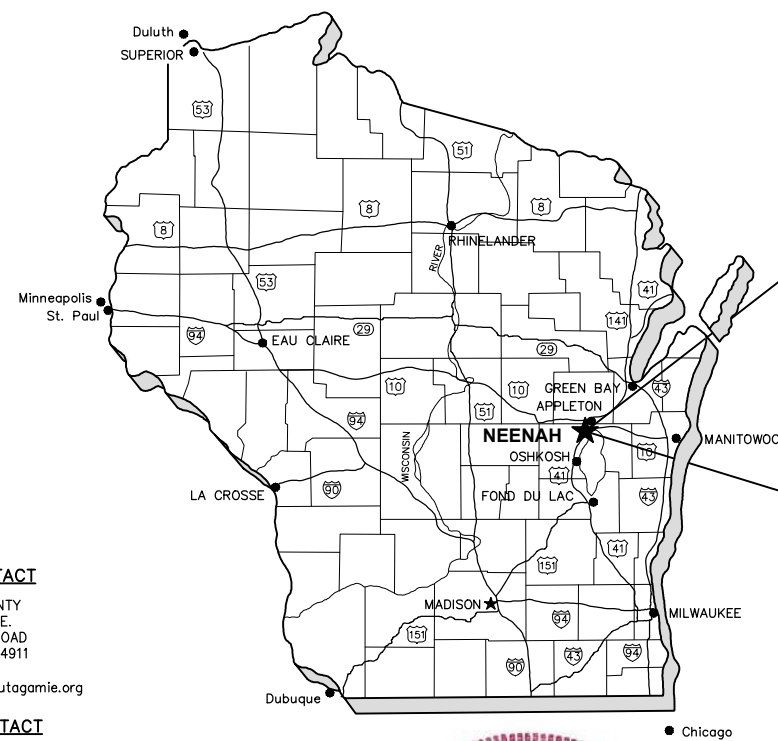


# CE TRAIL AND HIGHWAY IMPROVEMENTS CITY OF KAUKAUNA AND OUTAGAMIE COUNTY

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



PROJECT LOCATION

**CONTACT INFORMATION**

**UTILITIES**  
WE ENERGIES  
JESUS R VICTORIA (GAS)  
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APPLETON, WI 54912  
(920) 380-3314 (GAS)  
1-800-261-5325 (WE ENERGIES EMERGENCY)  
jesus.victoria@wecenergygroup.com

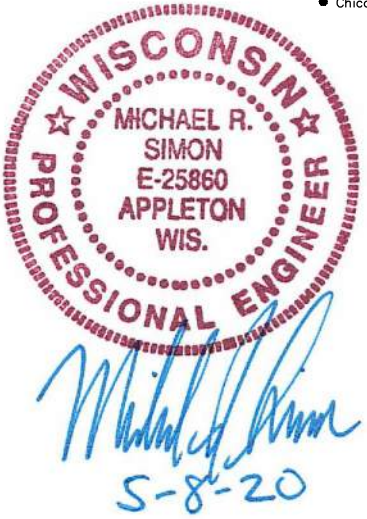
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JOE KASSAB  
205 S. JEFFERSON STREET  
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jk572k@att.com

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CITY OF KAUKAUNA, UTILITY DISTRICT  
777 ISLAND STREET, KAUKAUNA, WI, 54130  
KEVIN OBIALA (WATER SUPERINTENDENT)  
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kobiala@ku-wi.org  
ERIC MILLER (ELECTRIC DISTRIBUTION MANAGER)  
(920) 462-0214  
emiller@ku-wi.org

**OWNER CONTACT**  
OUTAGAMIE COUNTY  
JOE ZELLMER, P.E.  
1313 HOLLAND ROAD  
APPLETON, WI, 54911  
(920) 832-5673  
joseph.zellmer@outagamie.org

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msimon@mcmgrp.com



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Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025  
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**DIGGERSHOTLINE**  
Dial 811 or (800) 242-8511  
www.DiggersHotline.com

STANDARD ABBREVIATIONS

AC	ACRE	LT	LEFT
AGG	AGGREGATE	LVC	LENGTH OF VERTICAL CURVE
AH	AHEAD	MAINT	MAINTENANCE
ASPH	ASPHALT PAVEMENT	MATL	MATERIAL
AVG	AVERAGE	MAX	MAXIMUM
B-B	BACK TO BACK	MIN	MINIMUM
B.A.D.	BASE AGGREGATE DENSE	MH	MANHOLE
BEG	BEGIN	MP	MILE POST
BIT	BITUMINOUS	NB	NORTHBOUND
BK	BACK	NO	NUMBER
B/L	BASE LINE	NOR	NORMAL
BLDG	BUILDING	OD	OUTSIDE DIAMETER
BM	BENCH MARK	OBUT	OBUTERATE
BOC	BACK OF CURB	PAV'T	PAVEMENT
BRG	BEARING	PC	POINT OF CURVATURE
C-C	CENTER TO CENTER	PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE
CY	CUBIC YARD	PE	PRIVATE ENTRANCE
C&G	CURB AND GUTTER	PED	PEDESTAL
CB	CATCH BASIN	PGL	PROFILE GRADE LINE
CE	COMMERCIAL ENTRANCE	PI	POINT OF INTERSECTION
CHD	CHORD	P/L	PROPERTY LINE
C/L	CENTER LINE	PLE	PERMANENT LIMITED EASEMENT
CL	CLASS (FOR CONC PIPE)	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PRC	POINT OF REVERSE CURVATURE
CO	CLEAN OUT	PROP	PROPOSED
CONC	CONCRETE	PSD	PASSING SIGHT DISTANCE
CORR	CORRUGATED	PSI	POUNDS PER SQUARE INCH
CP	CONTROL POINT	PT	POINT OF TANGENCY
CR	CRUSHED	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
CS	CURB STOP	PV	POINT OF VERTICAL INTERSECTION
CSW	CONCRETE SIDEWALK	PVT	POINT OF VERTICAL TANGENCY
CTH	COUNTY TRUNK HIGHWAY	R	RADIUS
CULV	CULVERT	RCP	REINFORCED CONCRETE PIPE
D	DEPTH OR DELTA	RD	ROAD
DI	DUCTILE IRON	REBAR	REINFORCEMENT ROD
DIA	DIAMETER	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	SEF	SQUARE FEET
EOR	END OF RADIUS	SL	SLOPE INTERCEPT
EP	EDGE OF PAVEMENT	STH	STATE TRUNK HIGHWAY
EXC	EXCAVATION	SY	SQUARE YARD
EX	EXISTING	SALV	SALVAGED
EW	ENDWALL	SAN	SANITARY
F-F	FACE TO FACE	SEC	SECTION
FDN	FOUNDATION	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. 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.
3. EXISTING STREET RIGHT-OF-WAY AND INTERSECTING PROPERTY LINES ARE ESTABLISHED FROM FIELD LOCATED SURVEY MONUMENTATION, PREVIOUS SURVEYS, PLATS AND CURRENT PROPERTY DEEDS.
4. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER.
5. A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MATCHES EXISTING ASPHALTIC CONCRETE SURFACE.
6. ALL CURB RADII SHOWN ON THE PLAN SHEETS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
7. 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		ASPHALT PAVEMENT
	DRAINAGE HIGH POINT		CONCRETE SIDEWALK/DRIVEWAY
	DRAINAGE DIRECTION		GRAVEL
	EXISTING MANHOLE		RIP-RAP (SIZE AS SPECIFIED)
	PROPOSED MANHOLE		BRICK/PAVERS
	EXISTING INLET		PROPOSED EROSION MAT
	PROPOSED INLET		PROPOSED TURF REINFORCEMENT MAT (TRM)
	EXISTING YARD DRAIN		EXISTING DELINEATED WETLANDS
	PROPOSED YARD DRAIN		PROPOSED ASPHALTIC DRIVEWAY
	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		

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/runoff/stormwater/techsids.htm>. RIP-RAP SHALL BE IN ACCORDANCE WITH SECTION 606, WIS-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:

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

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

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

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PREVENTATIVE MEASURES:

- A. PRESERVE EXISTING VEGETATION WHENEVER POSSIBLE.
- B. MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
- C. MINIMIZE LAND DISTURBANCES ON SLOPES OF 20% OR MORE.
- D. MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME.
- E. DIVERT CLEAR WATER AWAY FROM EXPOSED SOILS.
- F. TEMPORARILY STABILIZE EXPOSED SOILS THAT WILL NOT BE ACTIVE FOR 14 DAYS OR MORE. USE MULCHING, SEEDING, POLYACRYLAMIDE OR GRAVELING TO STABILIZE.
- G. PERMANENTLY STABILIZE EXPOSED SOILS AS SOON AS POSSIBLE.
- H. 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.

CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
ABBREVIATIONS, SYMBOLS & NOTES

REVISION

DATE

NO.

DESIGNED

DRAWN

PROJECT NO.

K0006 81700105

DATE

MAY 2020

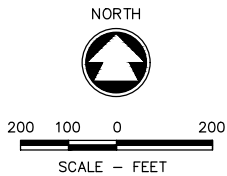
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PH 920/751-4200 FX 920/751-4284 MCMGRP.COM



HORIZONTAL CONTROL POINTS			
POINT #	NORTHING	EASTING	DESCRIPTION
2	561653.96	867706.46	MAG NAIL
3	561587.34	868466.17	MAG NAIL
6	561363.47	869392.53	MAG NAIL
9	561168.74	870438.24	MAG NAIL
12	560722.35	871784.49	MAG NAIL
18	560560.31	872533.87	MAG NAIL
21	560535.60	873096.62	MAG NAIL
22	562156.33	867534.49	MAG NAIL
23	561202.94	869354.18	MAG NAIL
24	561349.94	869921.54	MAG NAIL
26	562896.41	870507.00	MAG NAIL
28	562683.15	867123.43	MAG NAIL
29	562907.48	867414.00	MAG NAIL
30	563131.85	867398.92	MAG NAIL
40	561328.68	869917.16	MAG NAIL
42	561191.24	870651.01	MAG NAIL

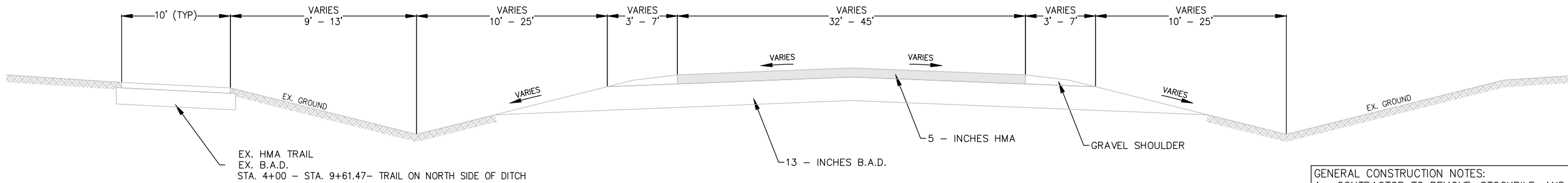
**NOTE:**  
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL  
VERIFY PROPOSED SITE GRADES BY FIELD  
CHECKING TWO (2) BENCHMARKS AND A MINIMUM  
OF ONE (1) SITE FEATURE AS SHOWN ON THESE  
PLANS. THE CONTRACTOR SHALL ALSO VERIFY  
HORIZONTAL CONTROL BY FIELD CHECKING  
SEVERAL CONTROL POINTS AND SHALL IMMEDIATELY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

VERTICAL DATUM  
ELEVATIONS ARE REFERENCED TO NGS DATA:  
CONTROL POINT NAME: BUCHANAN C GPS  
POINT ID: DF5990 NAVD 88 DATUM  
BY CONVENTIONAL LEVEL LOOP TO ELEVATION = 728.29 (2007 ADJUSTMENT)  
PER FIELD BOOK 1079 PAGES 27-30

**HORIZONTAL DATUM:**  
COORDINATES ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE  
SYSTEM AS PUBLISHED FOR OUTAGAMIE COUNTY NAD 83(91)

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

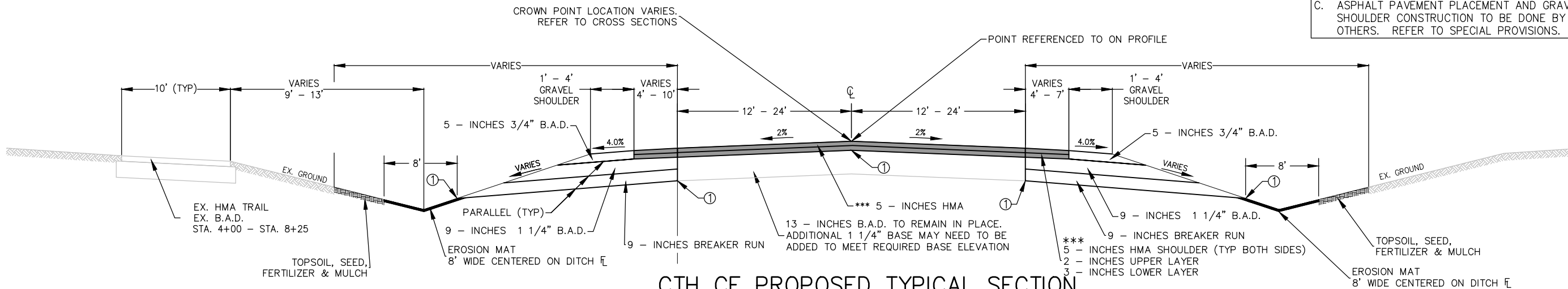
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### CTH CE EXISTING TYPICAL SECTION

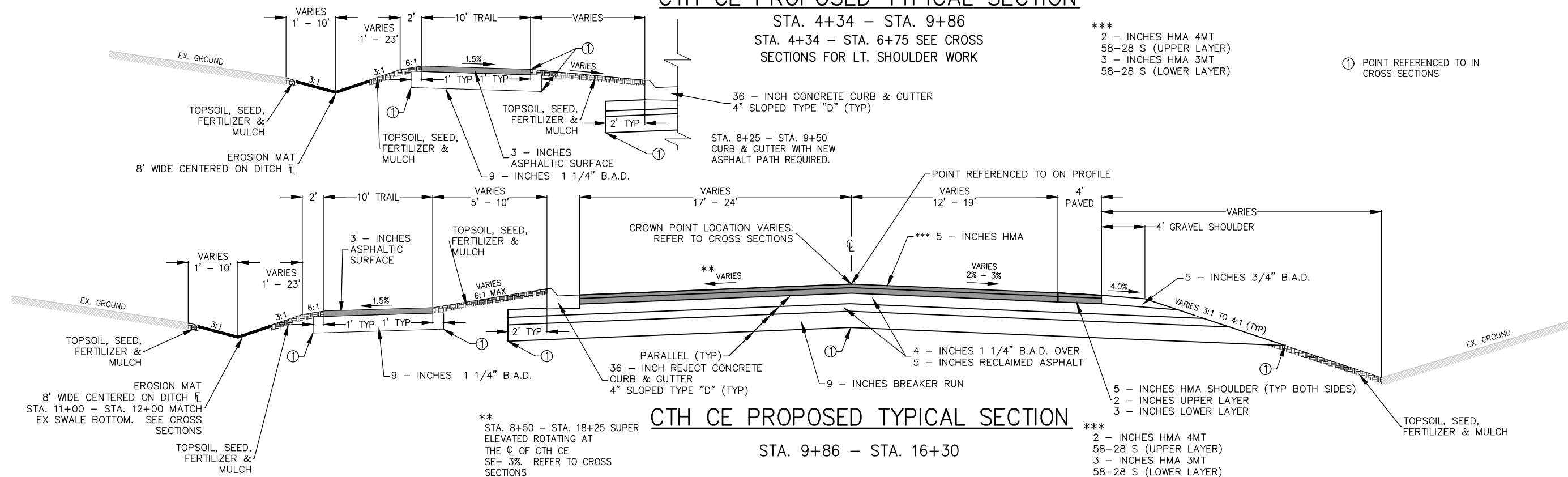
STA. 4+00 - STA. 42+41

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



### CTH CE PROPOSED TYPICAL SECTION

STA. 4+34 - STA. 9+86  
STA. 4+34 - STA. 6+75 SEE CROSS SECTIONS FOR LT. SHOULDER WORK



### CTH CE PROPOSED TYPICAL SECTION

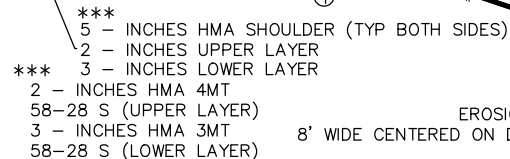
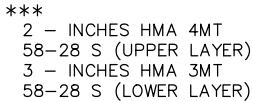
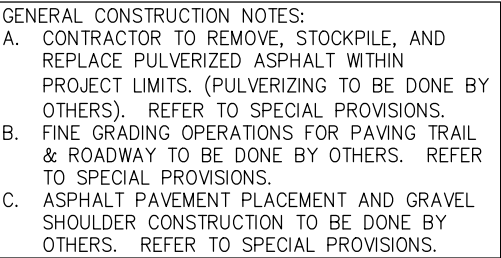
STA. 9+86 - STA. 16+30

REVISION	DATE	NO.





<p>GENERAL CONSTRUCTION NOTES:</p> <p>A. CONTRACTOR TO REMOVE, STOCKPILE, AND REPLACE PULVERIZED ASPHALT WITHIN PROJECT LIMITS. (PULVERIZING TO BE DONE BY OTHERS). REFER TO SPECIAL PROVISIONS.</p> <p>B. FINE GRADING OPERATIONS FOR PAVING TRAIL &amp; ROADWAY TO BE DONE BY OTHERS. REFER TO SPECIAL PROVISIONS.</p> <p>C. ASPHALT PAVEMENT PLACEMENT AND GRAVEL SHOULDER CONSTRUCTION TO BE DONE BY OTHERS. REFER TO SPECIAL PROVISIONS.</p>	
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PARCEL NO: 325051300  
OWNER: TIMOTHY J. & BECKY A. KASTEN  
2700 MEADOWVIEW ST

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

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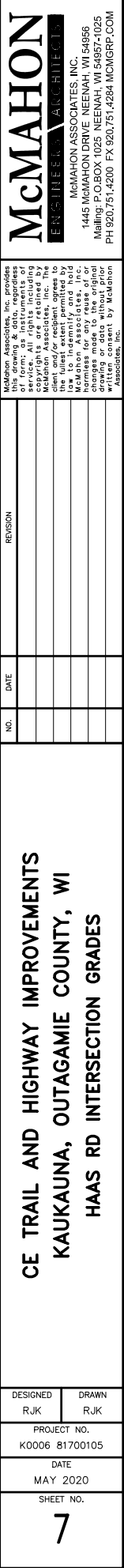
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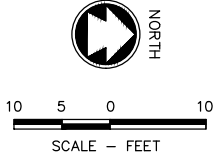
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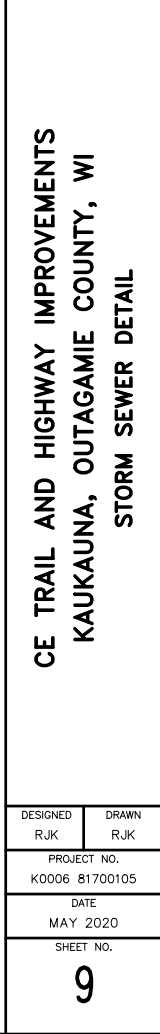
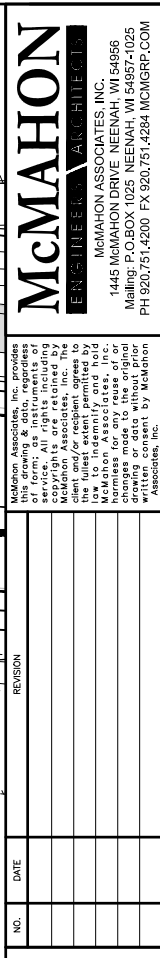
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OWNER: ROBERT J. & KENDRA J. GIZA  
2208 STAFFORD LA

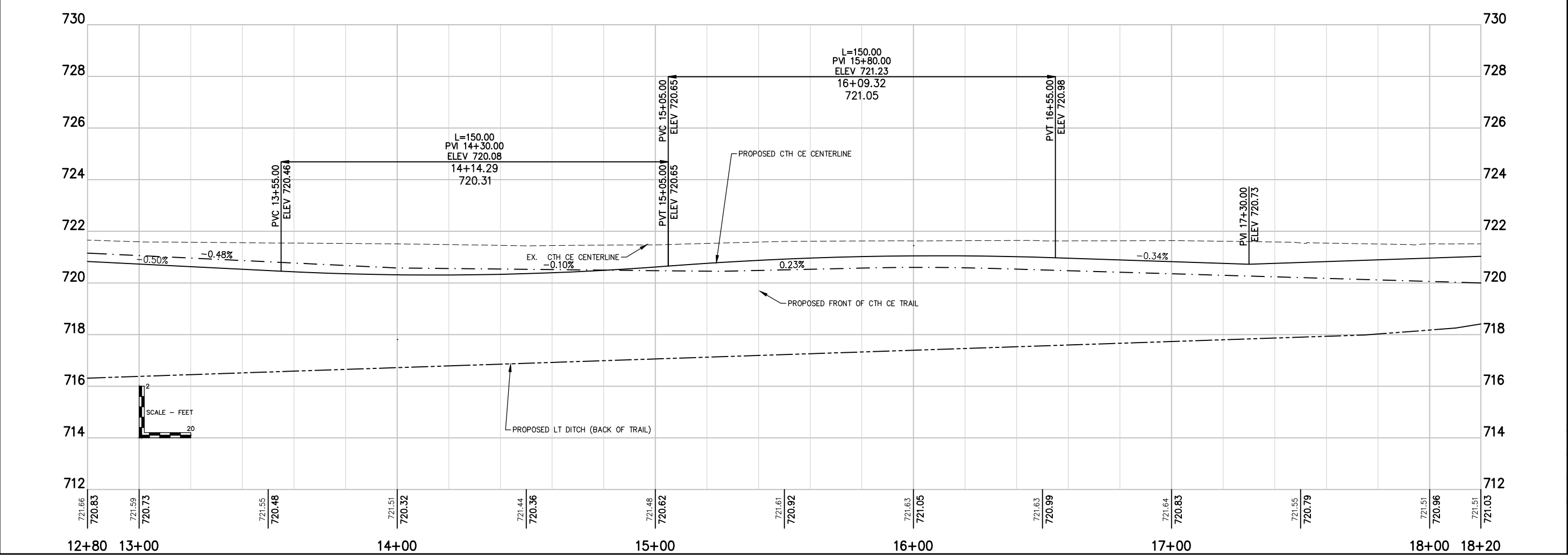
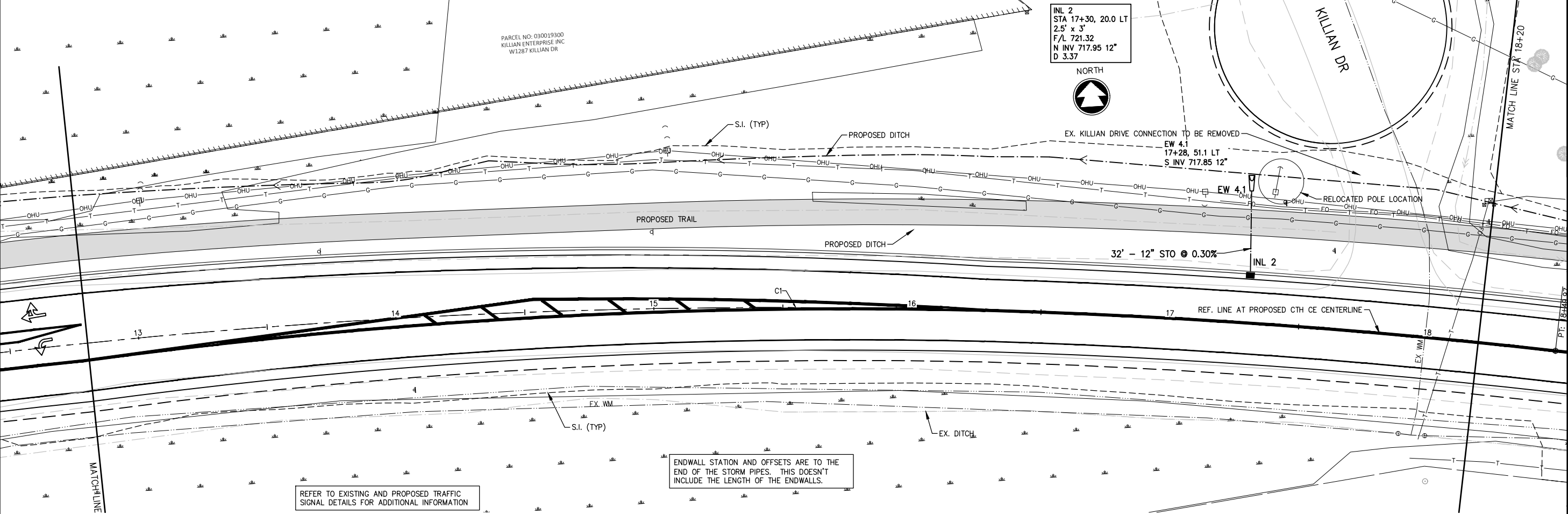
CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
LODERBAUER RD INTERSECTION GRADES

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DATE MAY 2020	
SHEET NO.	

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RJK

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RJK

PROJECT NO.  
K0006 81700105

DATE  
MAY 2020

SHEET NO.  
10

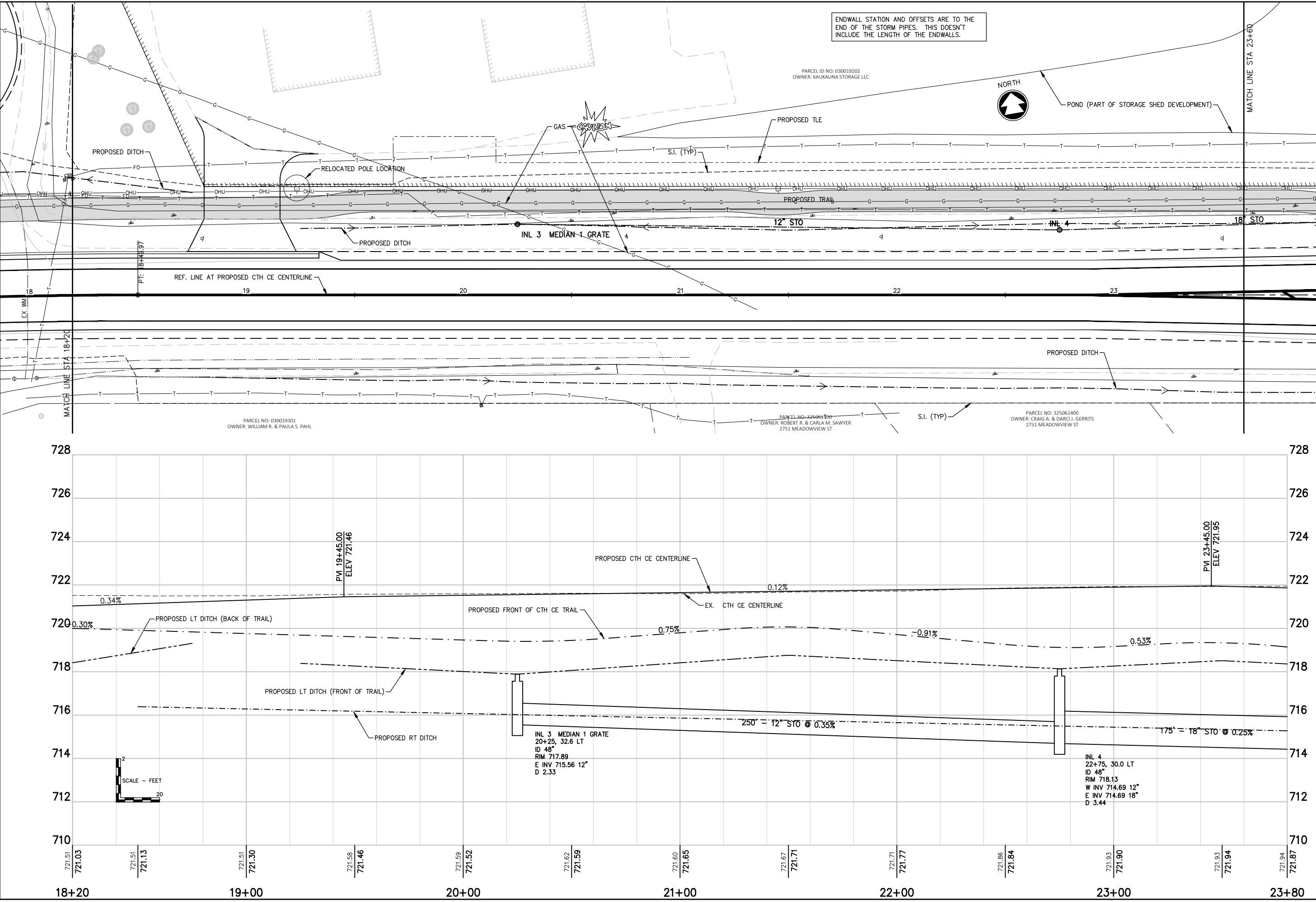
NO.

DATE

REVISION

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

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KAUKAUNA, OUTAGAMIE COUNTY, WI  
STORM SEWER DETAIL

DESIGNED  
RJK

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RJK

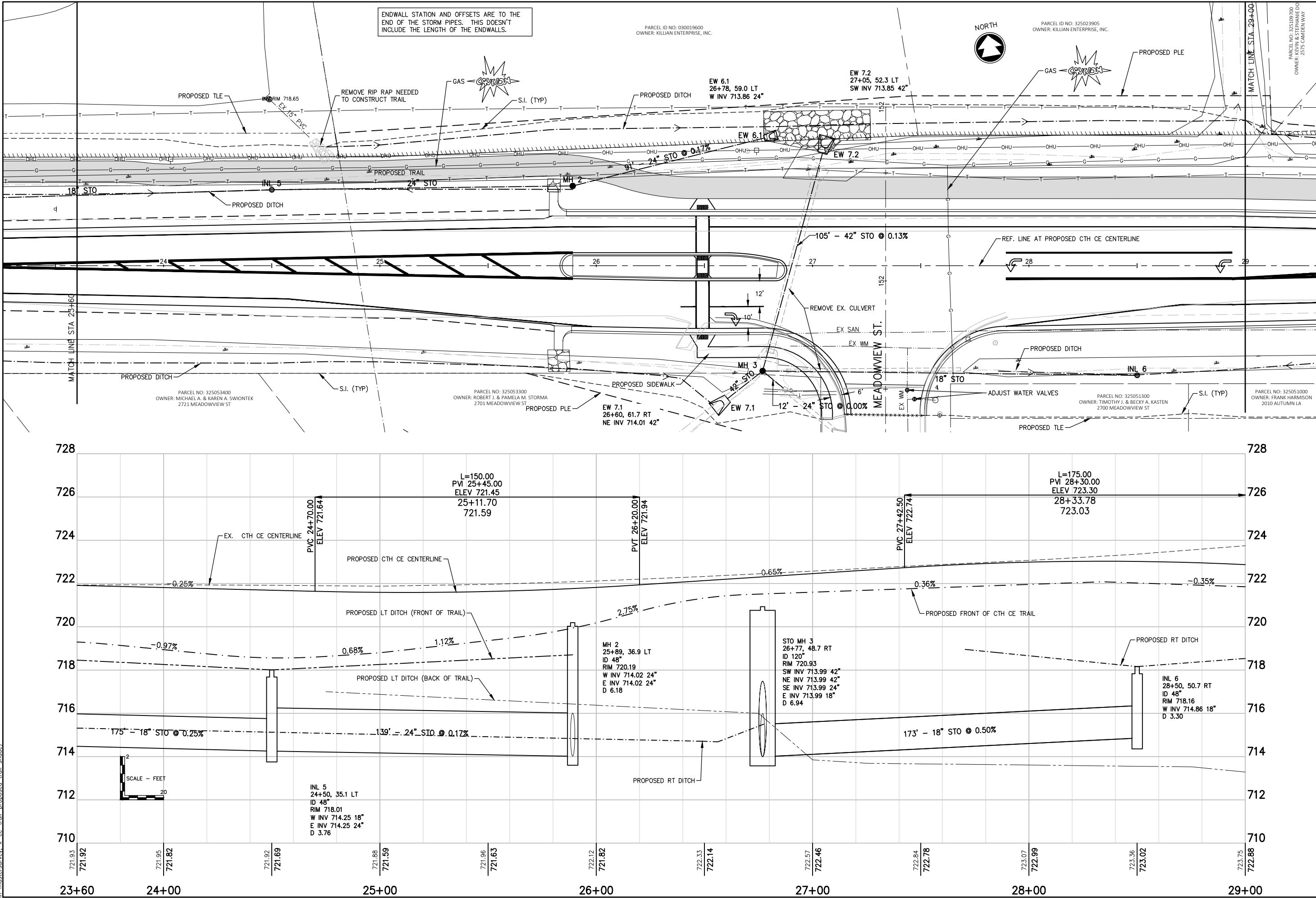
PROJECT NO.  
K0006 81700105

DATE  
MAY 2020

SHEET NO.  
11



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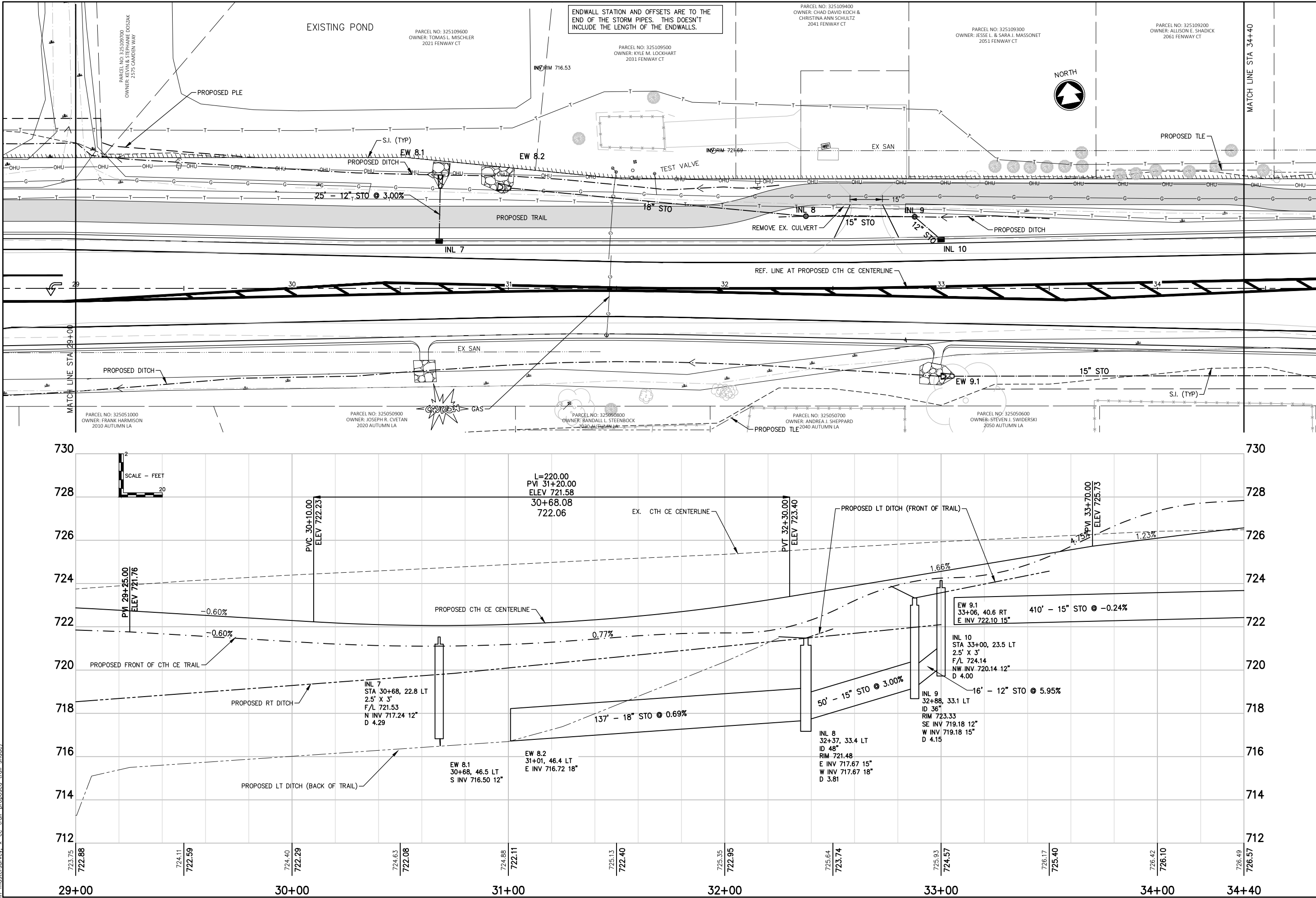
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K0006 81700105

DATE  
MAY 2020

SHEET NO.  
12

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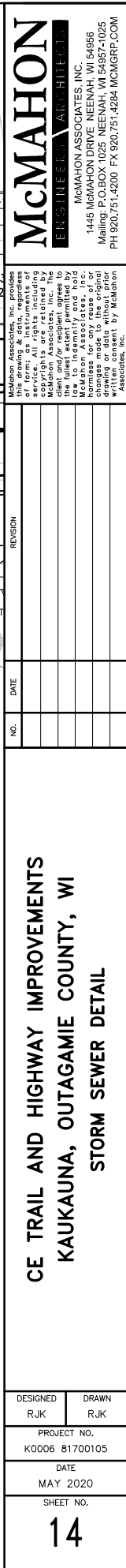
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RJK

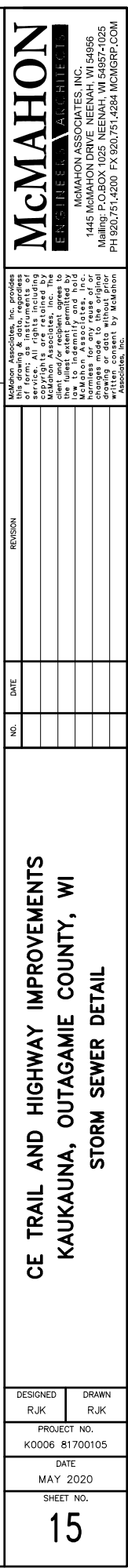
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K0006 81700105

DATE  
MAY 2020

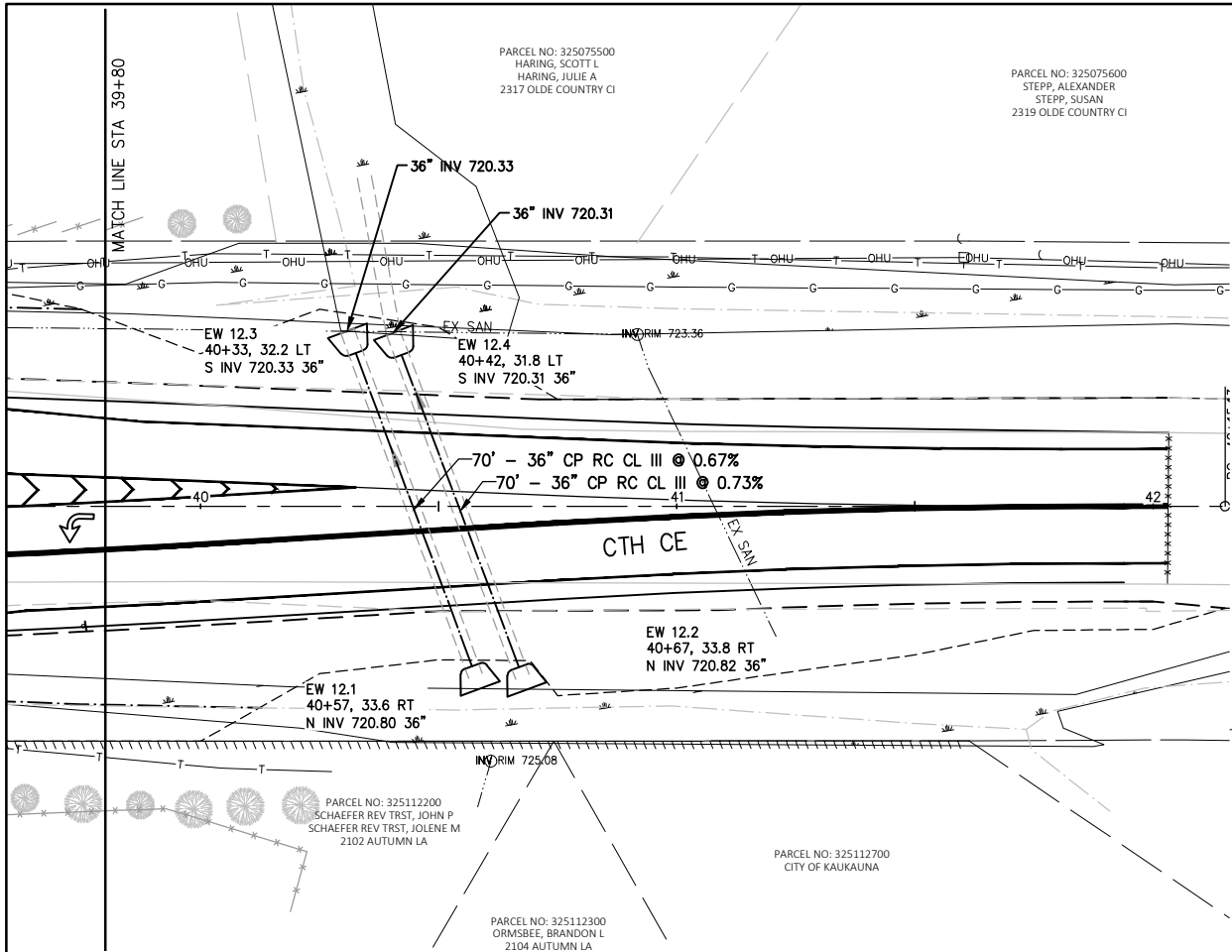
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CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
STORM SEWER DETAIL

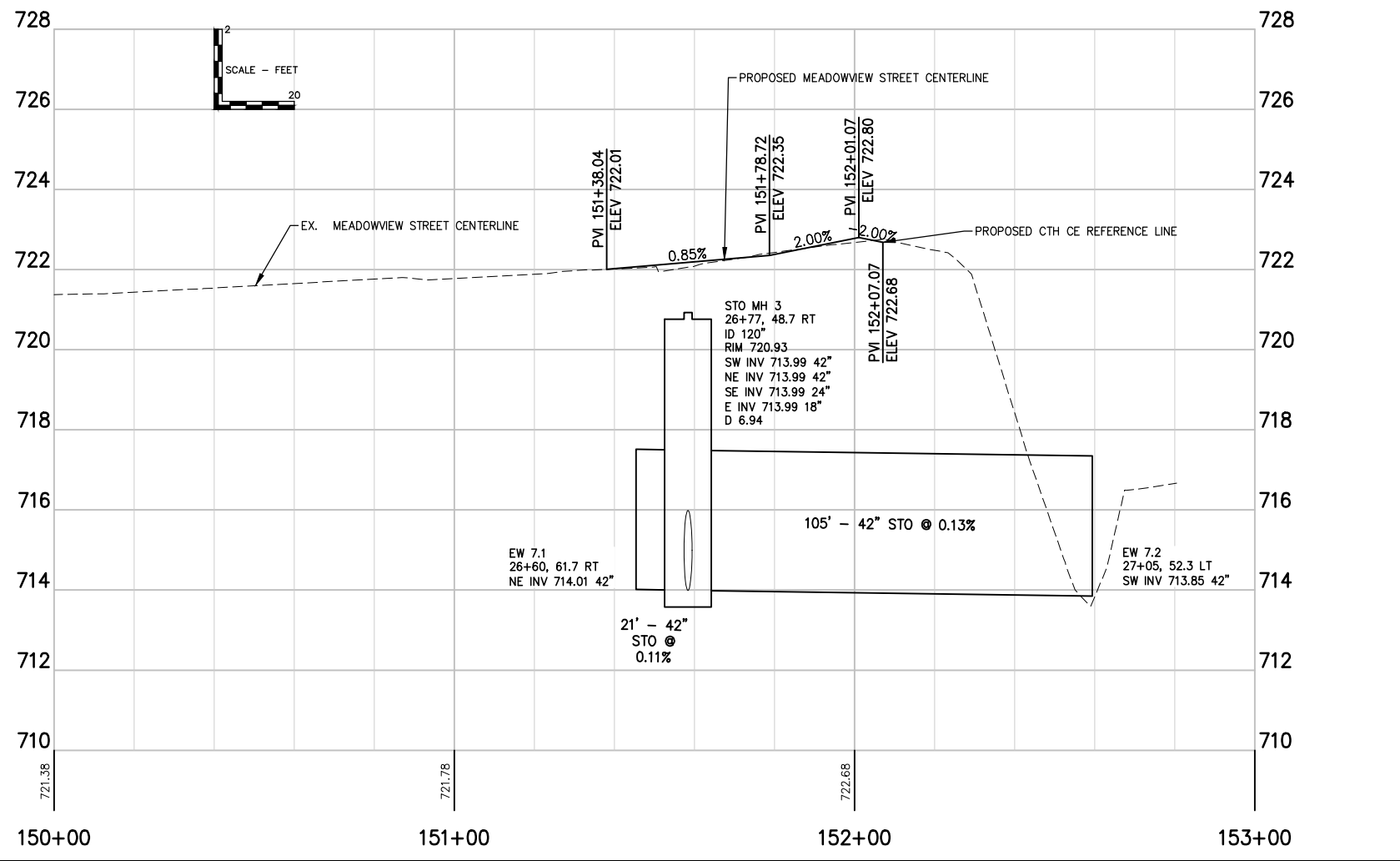
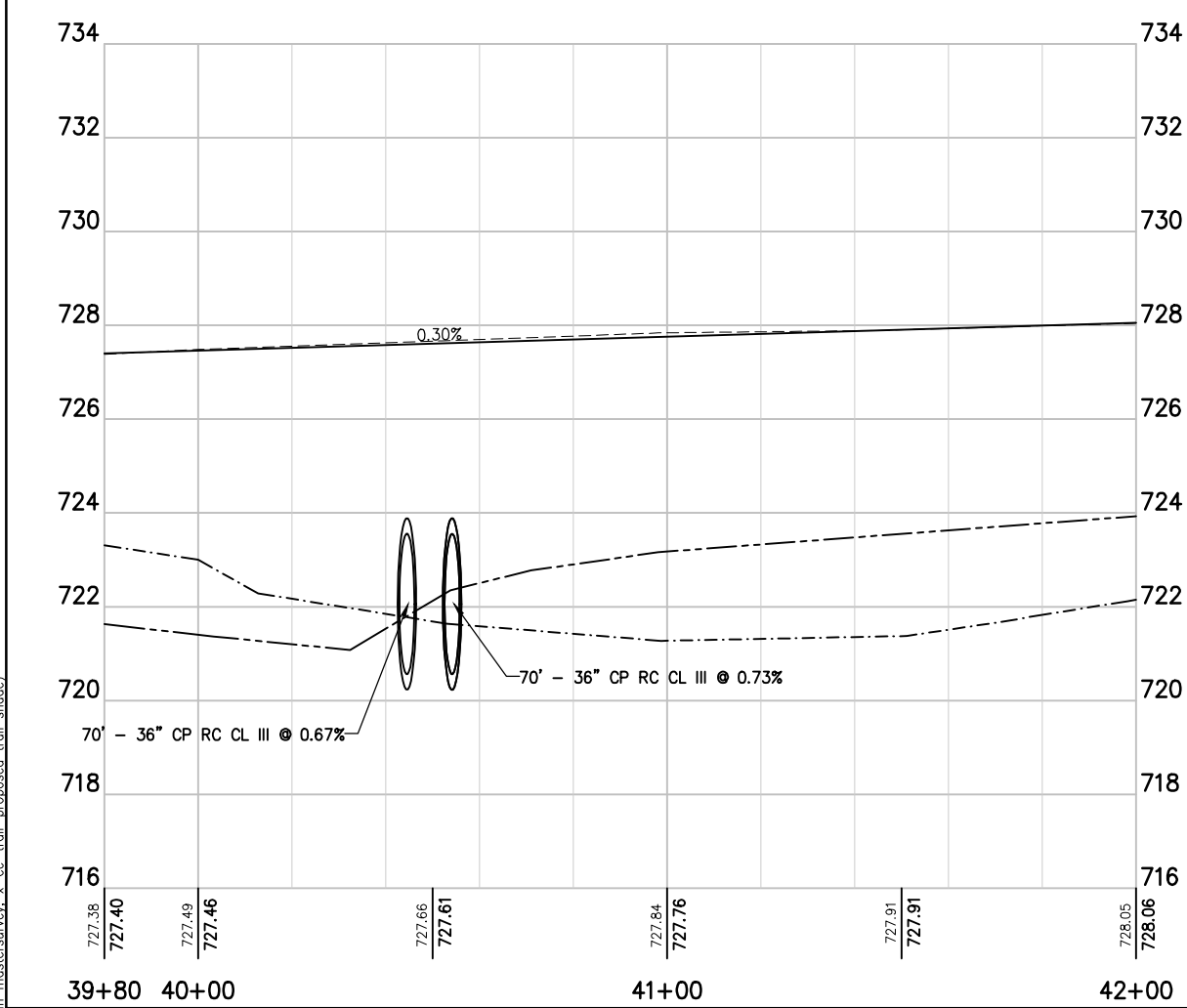
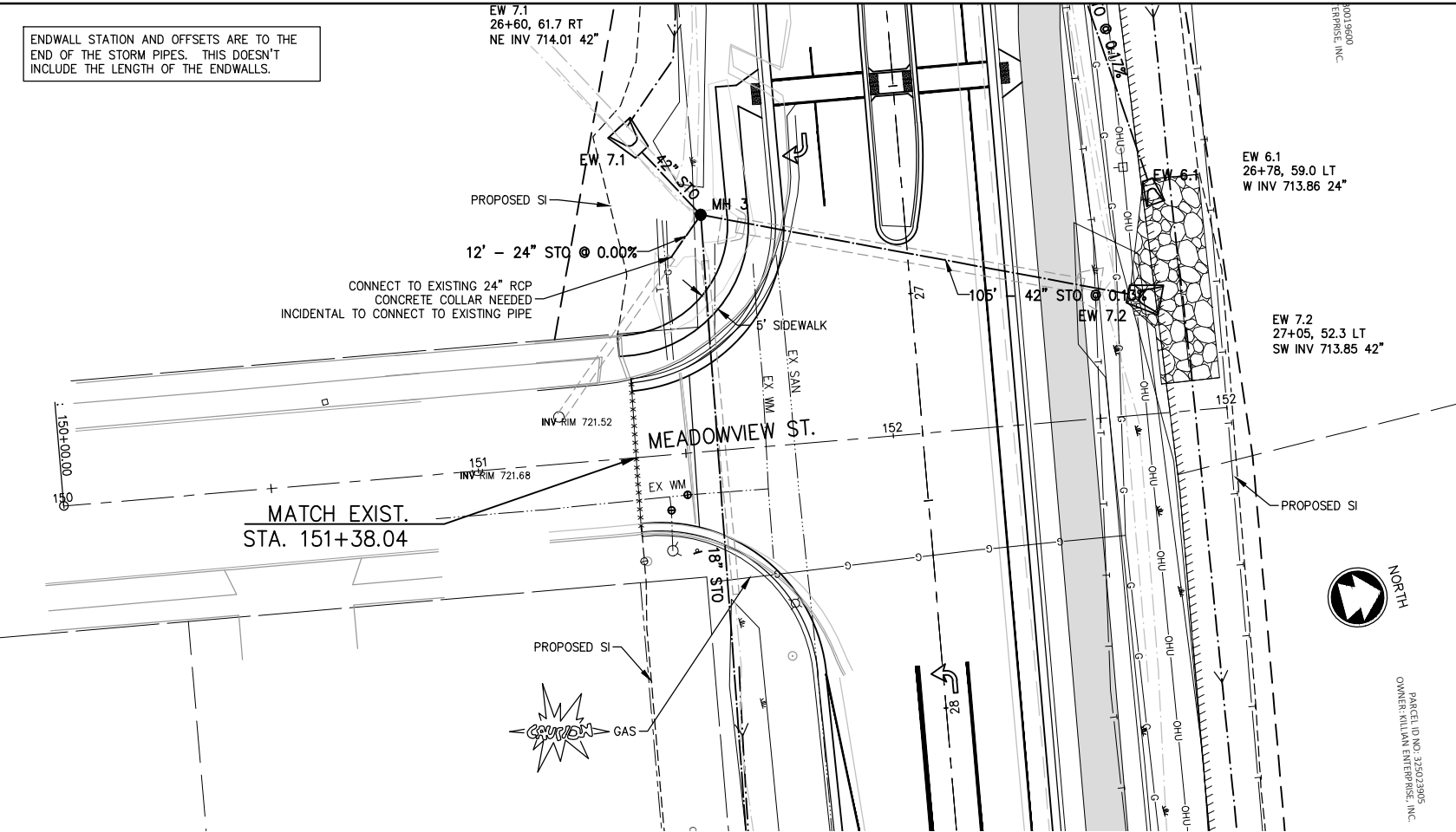








ENDWALL STATION AND OFFSETS ARE TO THE  
END OF THE STORM PIPES. THIS DOESN'T  
INCLUDE THE LENGTH OF THE ENDWALLS.



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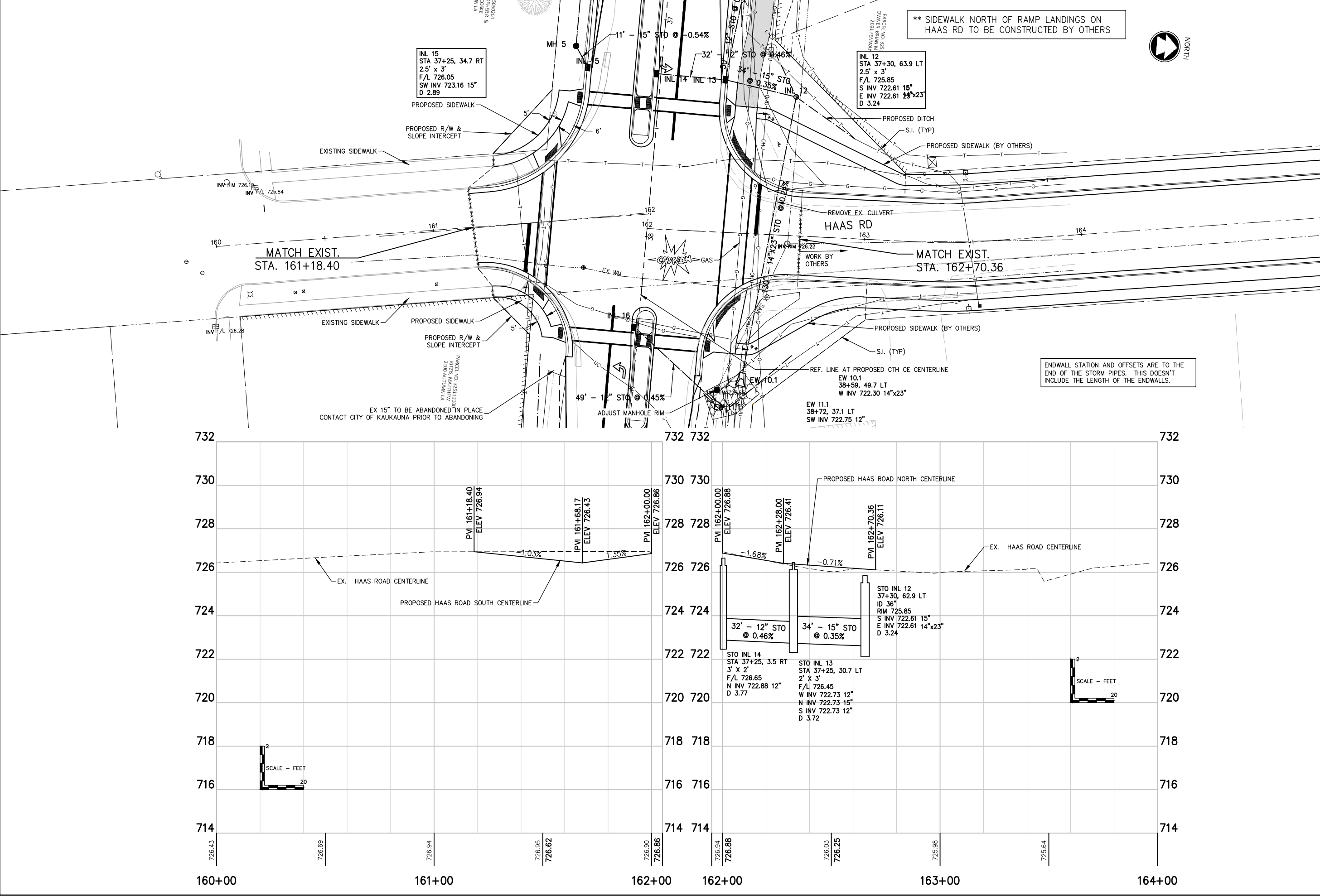
SHEET NO.

16

CE TRAIL AND HIGHWAY IMPROVEMENTS

KAUKAUNA, OUTAGAMIE COUNTY, WI

STORM SEWER DETAIL



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K0006 81700105

DATE  
MAY 2020

SHEET NO.  
17

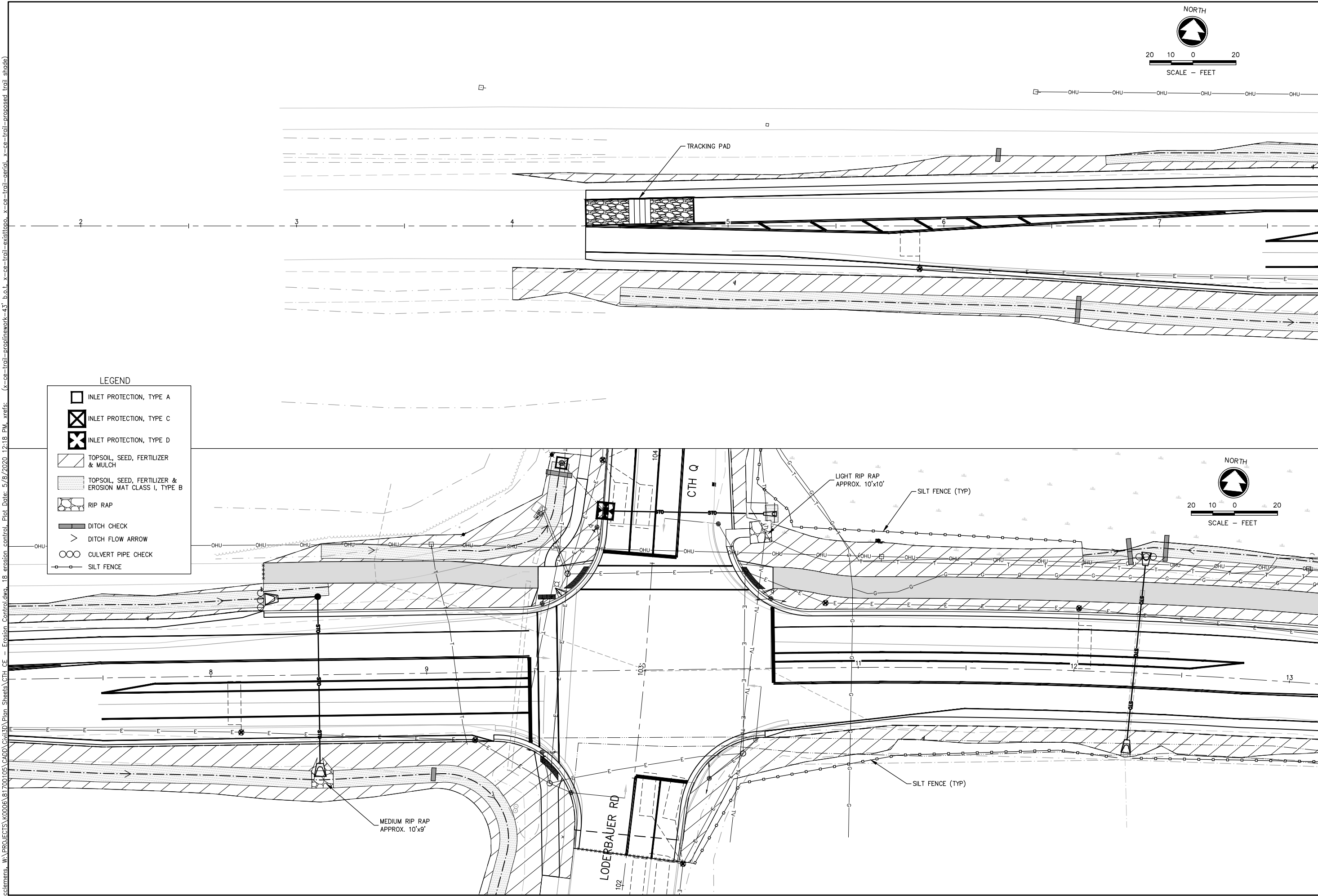
REVISION

DATE

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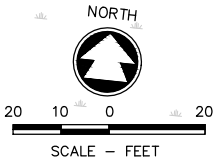
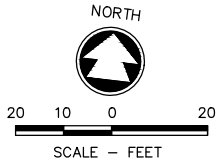
CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
STORM SEWER DETAIL

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LEGEND

- INLET PROTECTION, TYPE A
- INLET PROTECTION, TYPE C
- INLET PROTECTION, TYPE D
- TOPSOIL, SEED, FERTILIZER & MULCH
- TOPSOIL, SEED, FERTILIZER & EROSION MAT CLASS I, TYPE B
- RIP RAP
- DITCH CHECK
- DITCH FLOW ARROW
- CULVERT PIPE CHECK
- SILT FENCE

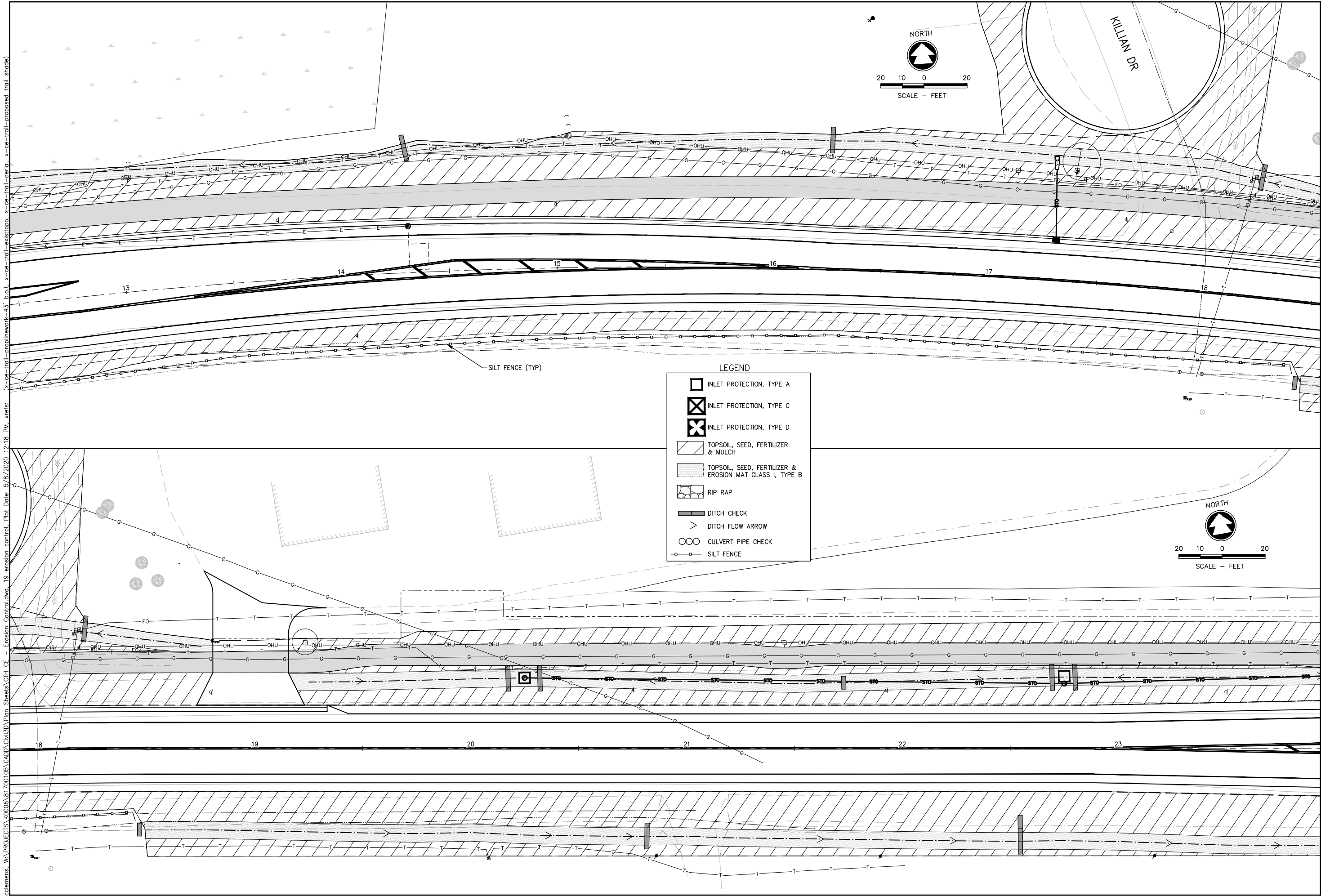


CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
EROSION CONTROL

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PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO.	

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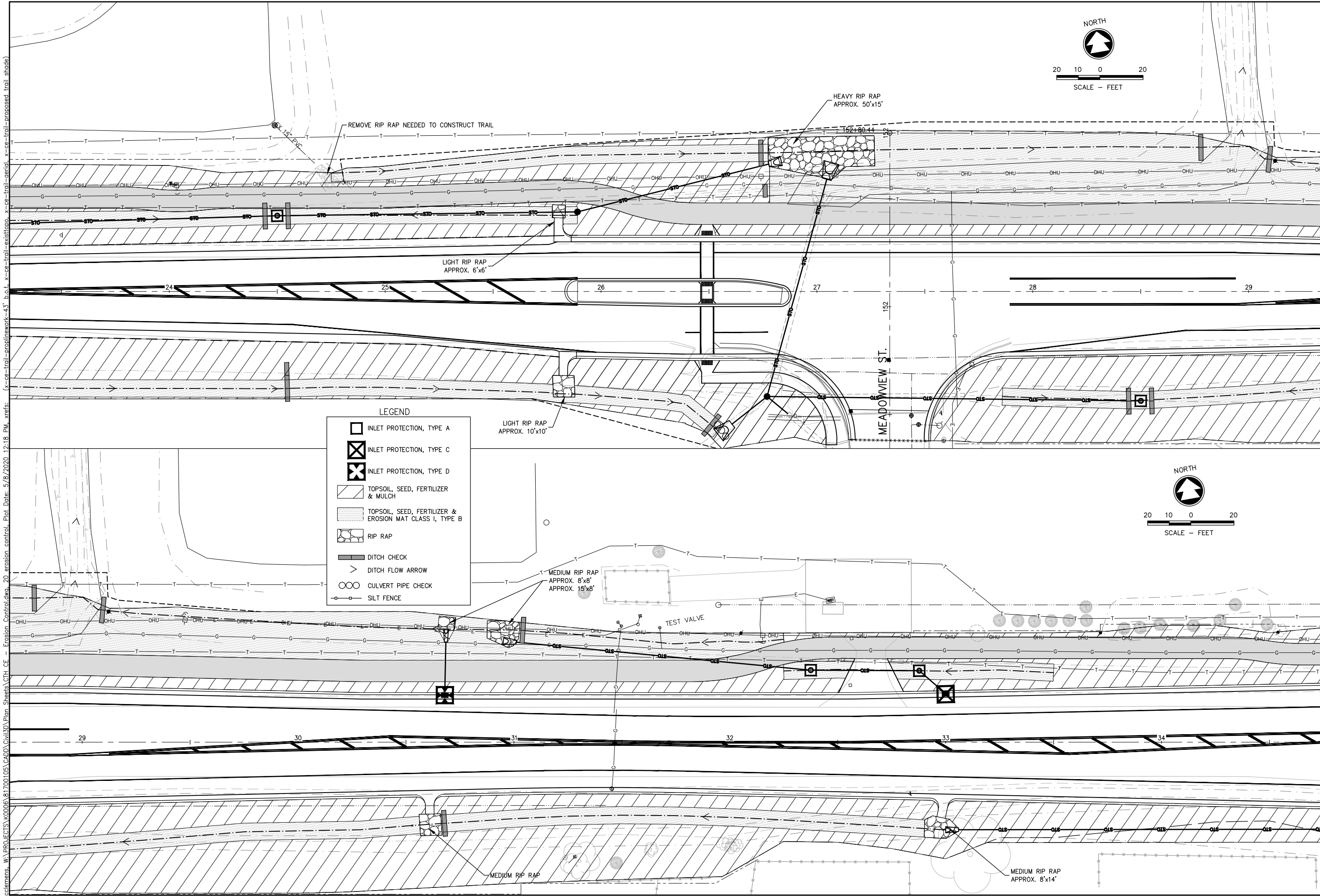
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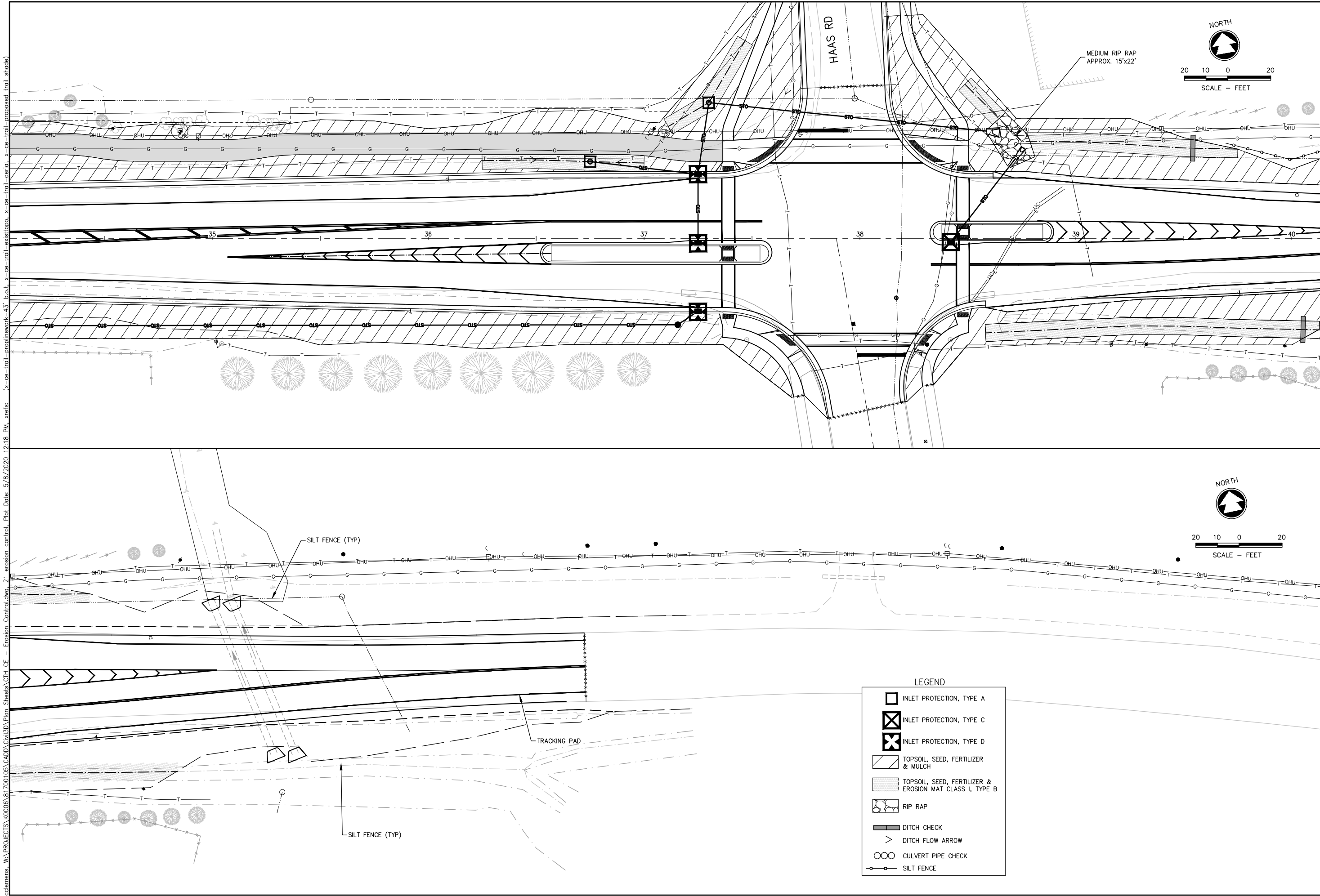
CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
EROSION CONTROL

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PROJECT NO. K0006 81700105	
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K0006 81700105

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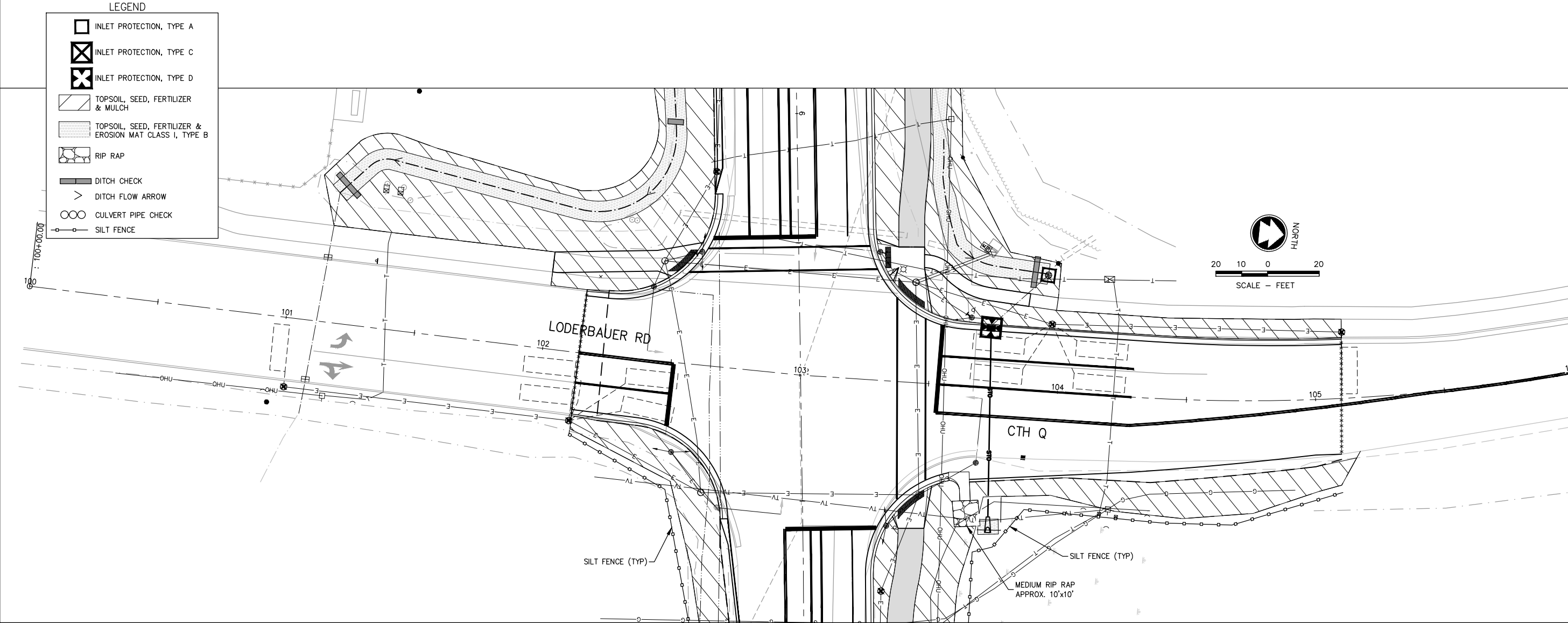
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REVISION

NO.

DATE

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

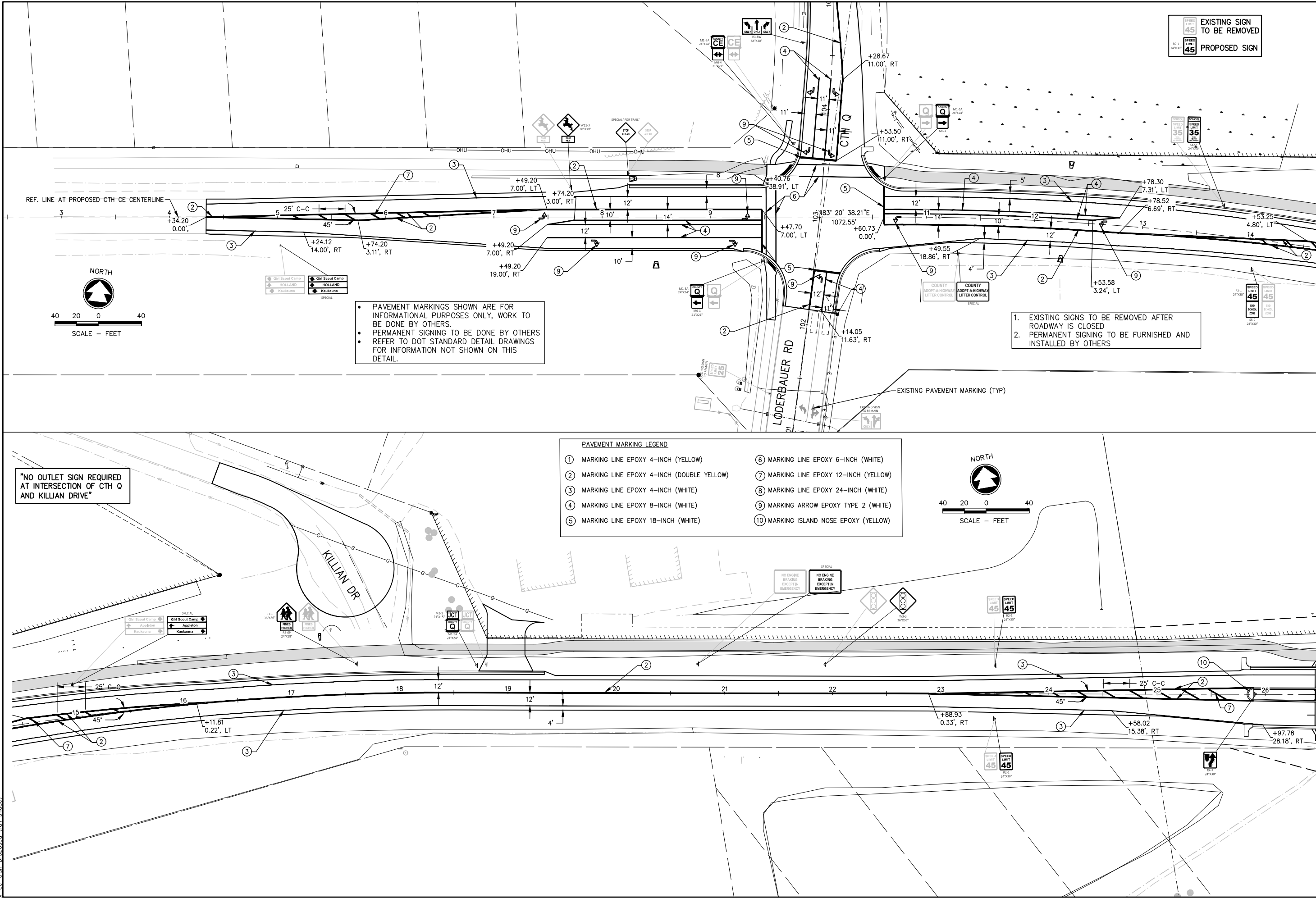


CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
EROSION CONTROL

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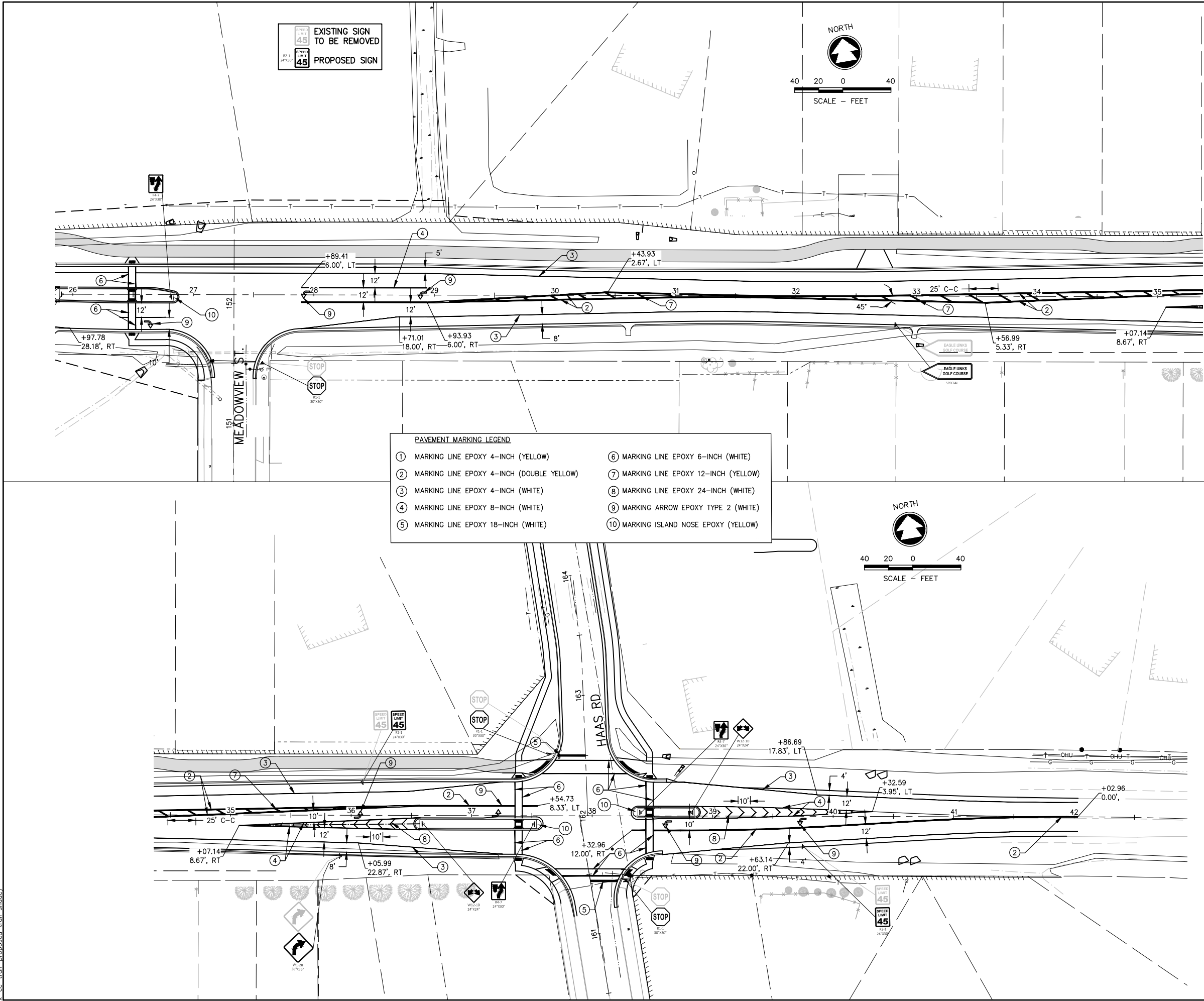


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RJK		RJK	
PROJECT NO. K0006 81700105			
DATE MAY 2020			
SHEET NO. 23			

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KAUKAUNA, OUTAGAMIE COUNTY, WI  
PAVEMENT MARKING

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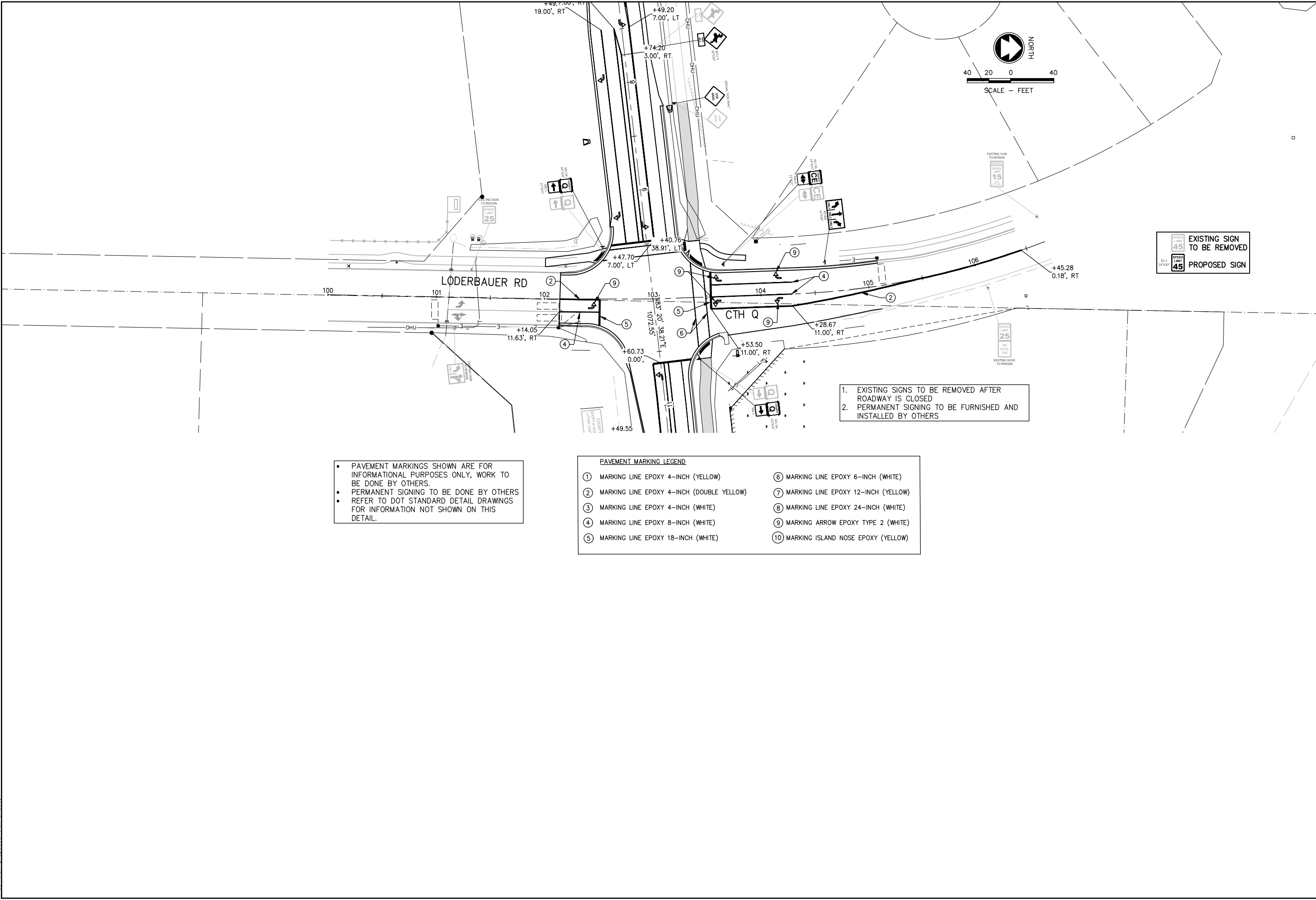
CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
PAVEMENT MARKING

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PROJECT NO. K0006 81700105	
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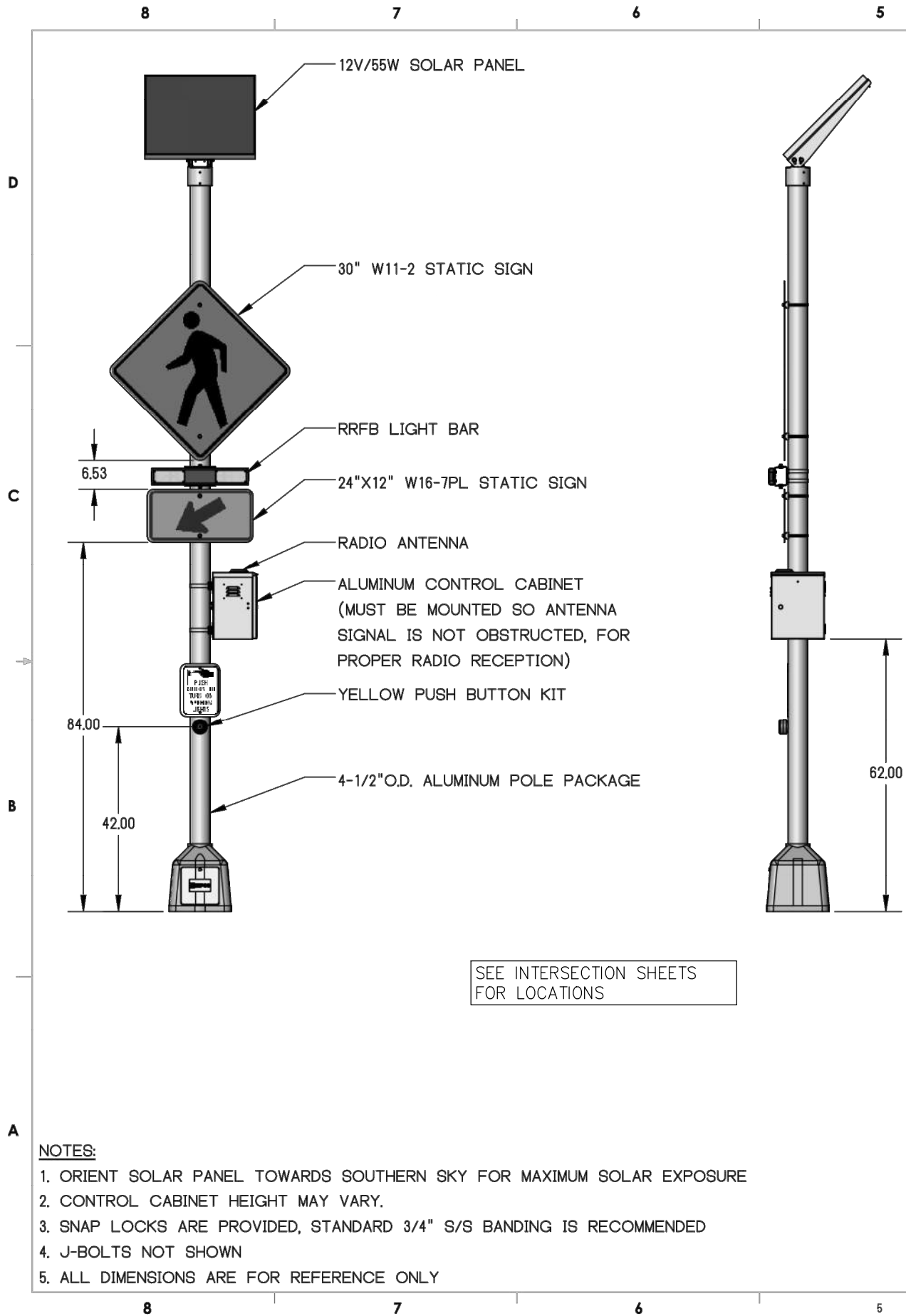


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- PERMANENT SIGNING TO BE DONE BY OTHERS
- REFER TO DOT STANDARD DETAIL DRAWINGS FOR INFORMATION NOT SHOWN ON THIS DETAIL.


PAVEMENT MARKING LEGEND	
① MARKING LINE EPOXY 4-INCH (YELLOW)	⑥ MARKING LINE EPOXY 6-INCH (WHITE)
② MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	⑦ MARKING LINE EPOXY 12-INCH (YELLOW)
③ MARKING LINE EPOXY 4-INCH (WHITE)	⑧ MARKING LINE EPOXY 24-INCH (WHITE)
④ MARKING LINE EPOXY 8-INCH (WHITE)	⑨ MARKING ARROW EPOXY TYPE 2 (WHITE)
⑤ MARKING LINE EPOXY 18-INCH (WHITE)	⑩ MARKING ISLAND NOSE EPOXY (YELLOW)

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CE TRAIL AND HIGHWAY IMPROVEMENTS KAUKAUNA, OUTAGAMIE COUNTY, WI PAVEMENT MARKING		SHEET NO. 25	





REVISIONS				
REV.	DESCRIPTION	DATE	ECN #	AUTHOR/APPROVED
A	INITIAL RELEASE	5/7/2018	N/A	A.K./J.P.

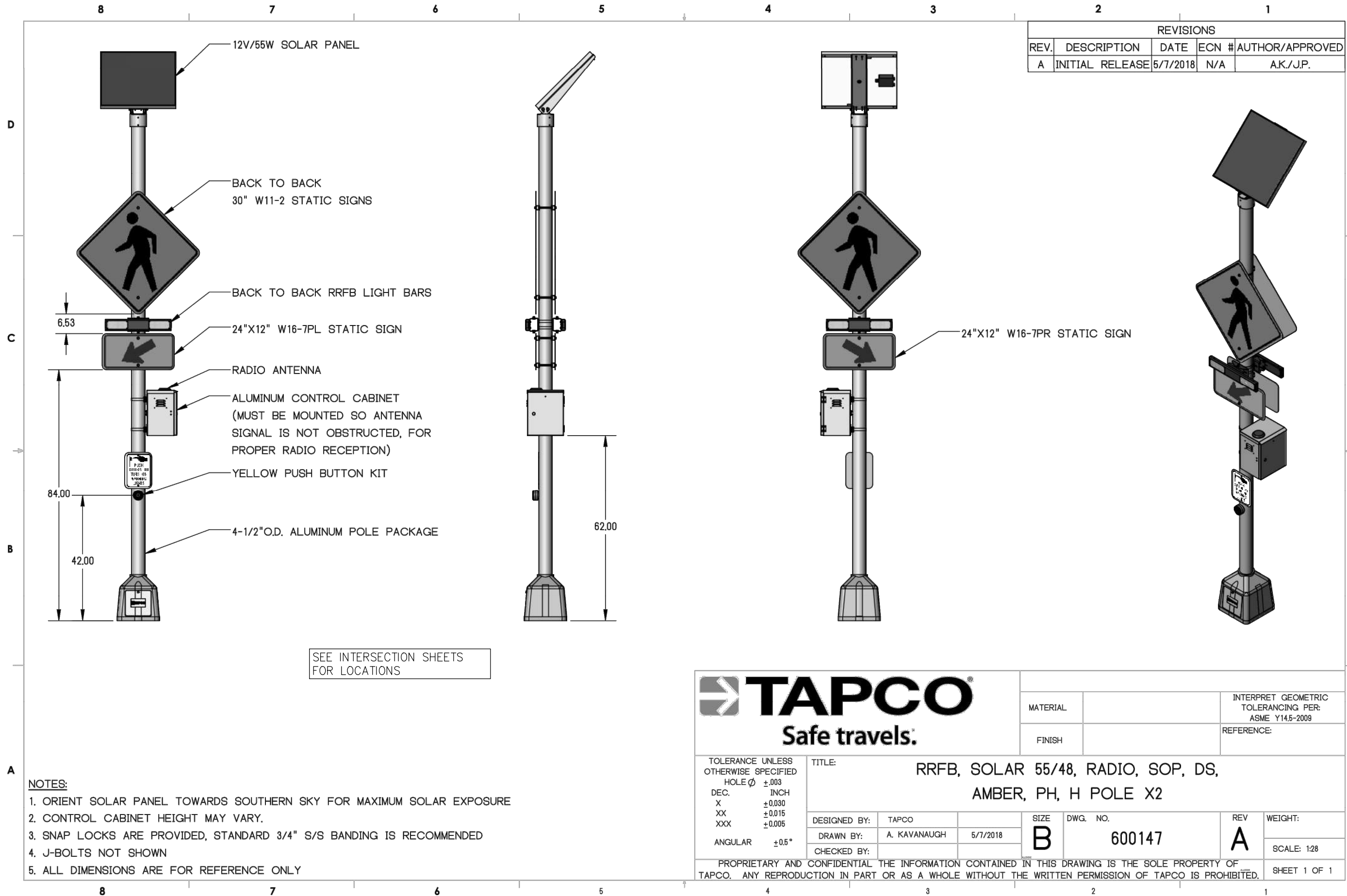


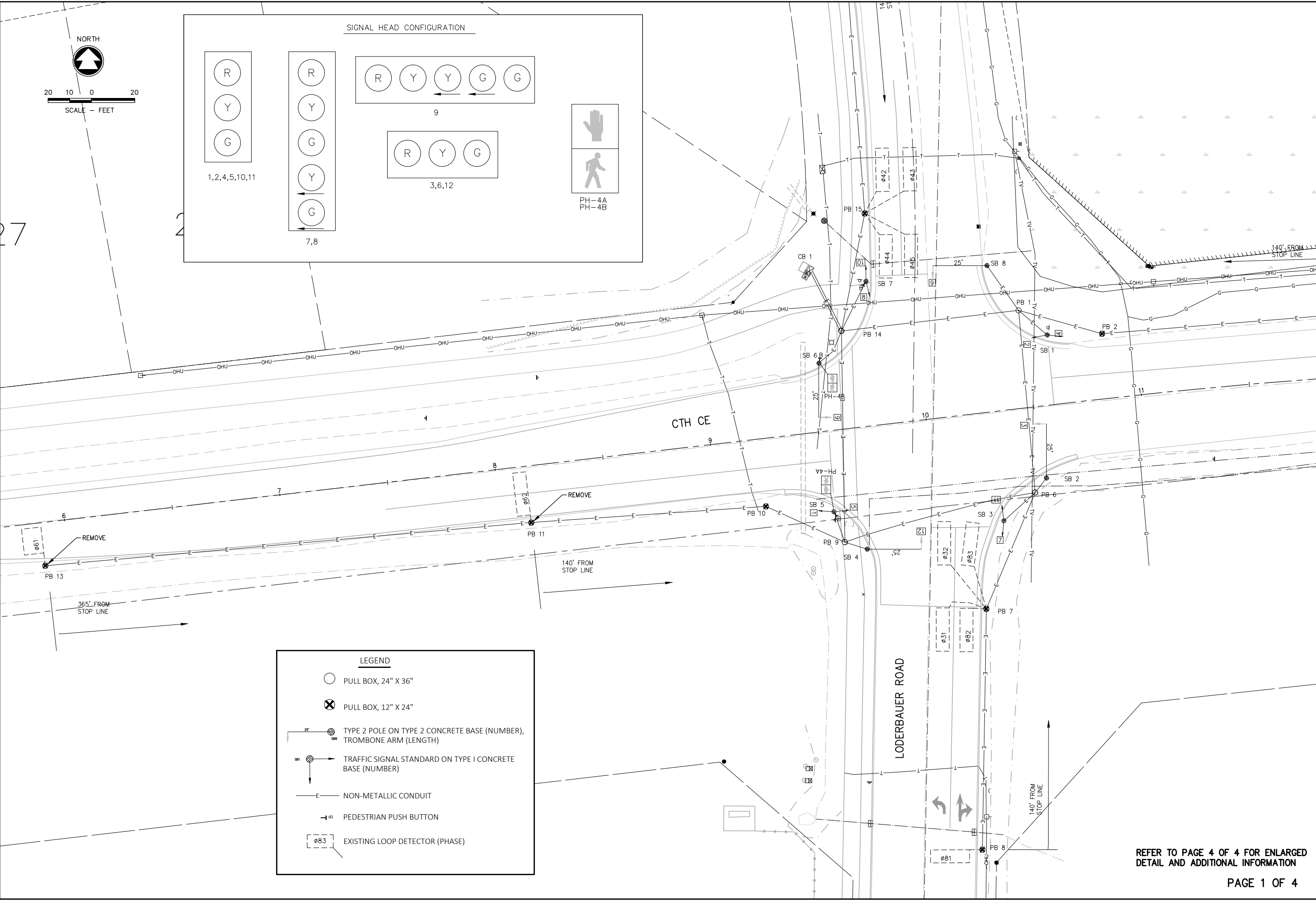
Safe travels.

MATERIAL		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009	
FINISH		REFERENCE:	

TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE: RRFB, SOLAR 55/48, RADIO, SOP, SS, AMBER, PB, H POLE X2	
HOLE $\phi$	$\pm .003$	DESIGNED BY: TAPCO	SIZE
DEC.	INCH	DRAWN BY: A. KAVANAUGH	DWG. NO. 600167
X	$\pm .0030$	CHECKED BY:	REV A
XX	$\pm .0015$		WEIGHT:
XXX	$\pm .0005$		SCALE: 1:28
ANGULAR	$\pm .05^\circ$		SHEET 1 OF 1

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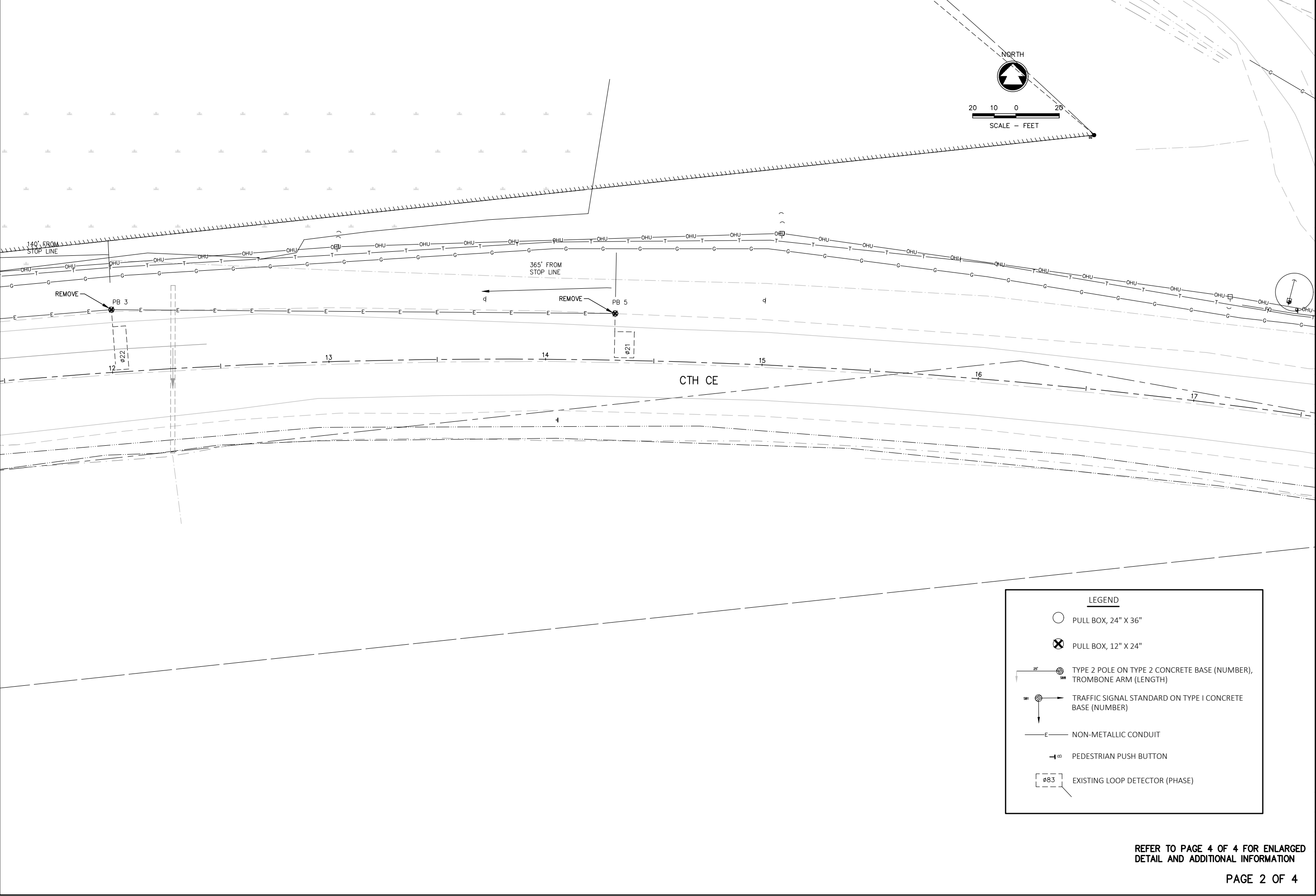
ENGINEER ARCHITECT

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NO.	DATE	REVISION

CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
EXISTING CTH CE & LODERBAUER RD. TRAFFIC SIGNALS

DESIGNED RJK	DRAWN RJK
PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO. 28	



LEGEND

PULL BOX, 24" X 36"

PULL BOX, 12" X 24"

TYPE 2 POLE ON TYPE 2 CONCRETE BASE (NUMBER),  
TROMBONE ARM (LENGTH)

TRAFFIC SIGNAL STANDARD ON TYPE I CONCRETE  
BASE (NUMBER)

NON-METALLIC CONDUIT

PEDESTRIAN PUSH BUTTON

EXISTING LOOP DETECTOR (PHASE)

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

PAGE 2 OF 4

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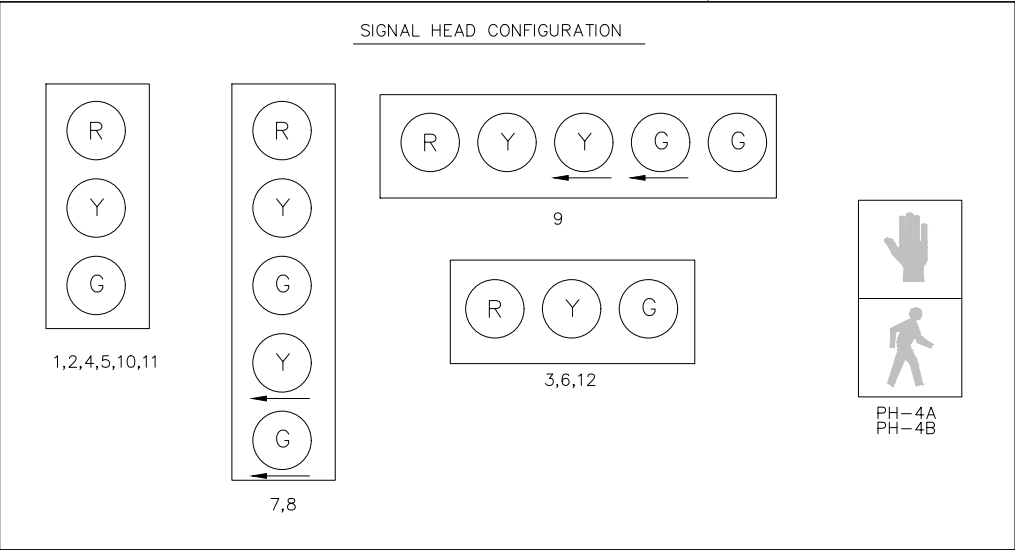
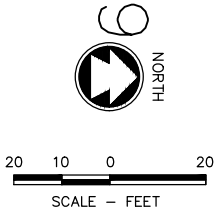
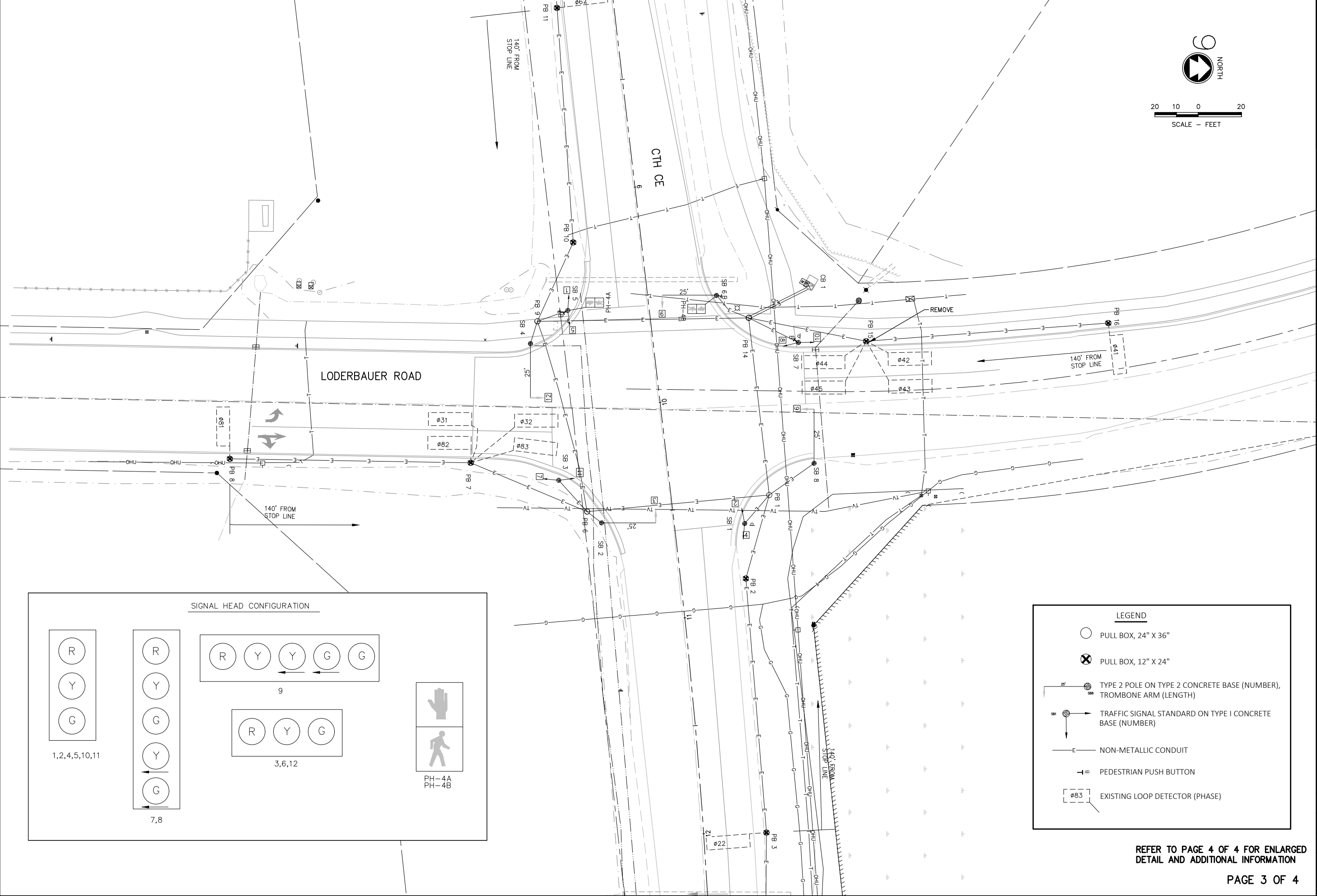
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PROJECT NO.  
K0006 81700105

DATE  
MAY 2020

SHEET NO.  
29

CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
EXISTING CTH CE & LODEBRBAUER RD. TRAFFIC SIGNALS



LEGEND

- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- TYPE 2 POLE ON TYPE 2 CONCRETE BASE (NUMBER), TROMBONE ARM (LENGTH)
- TRAFFIC SIGNAL STANDARD ON TYPE I CONCRETE BASE (NUMBER)
- NON-METALLIC CONDUIT
- PEDESTRIAN PUSH BUTTON
- EXISTING LOOP DETECTOR (PHASE)

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

PAGE 3 OF 4

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ENGINEER ARCHITECT

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CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
EXISTING CTH CE & LODEBRBAUER RD. TRAFFIC SIGNALS

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RJK	RJK

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K0006 81700105	MAY 2020

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30

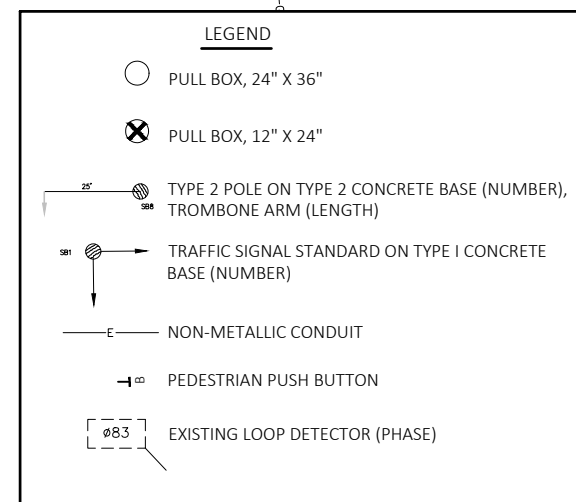
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CTH CE

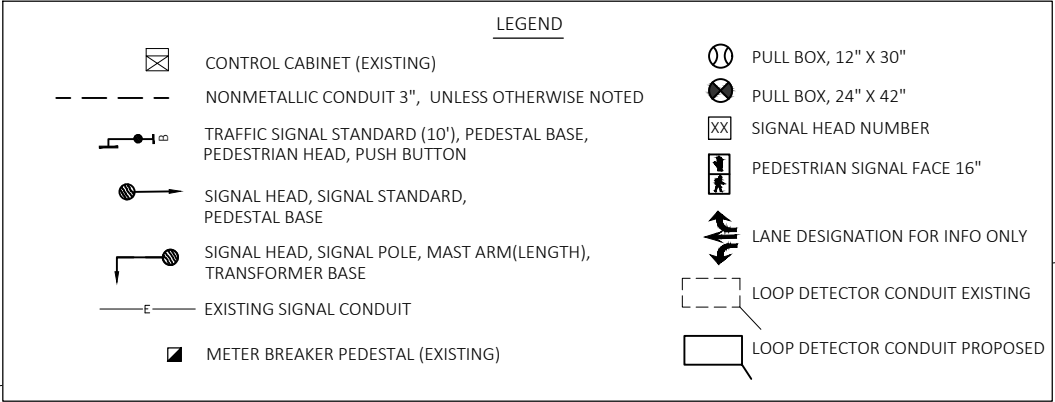
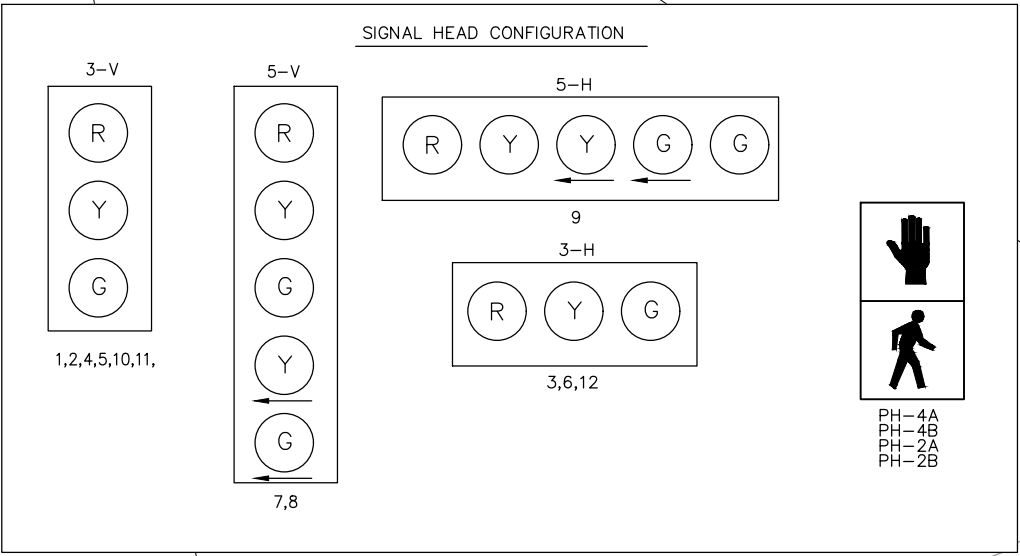
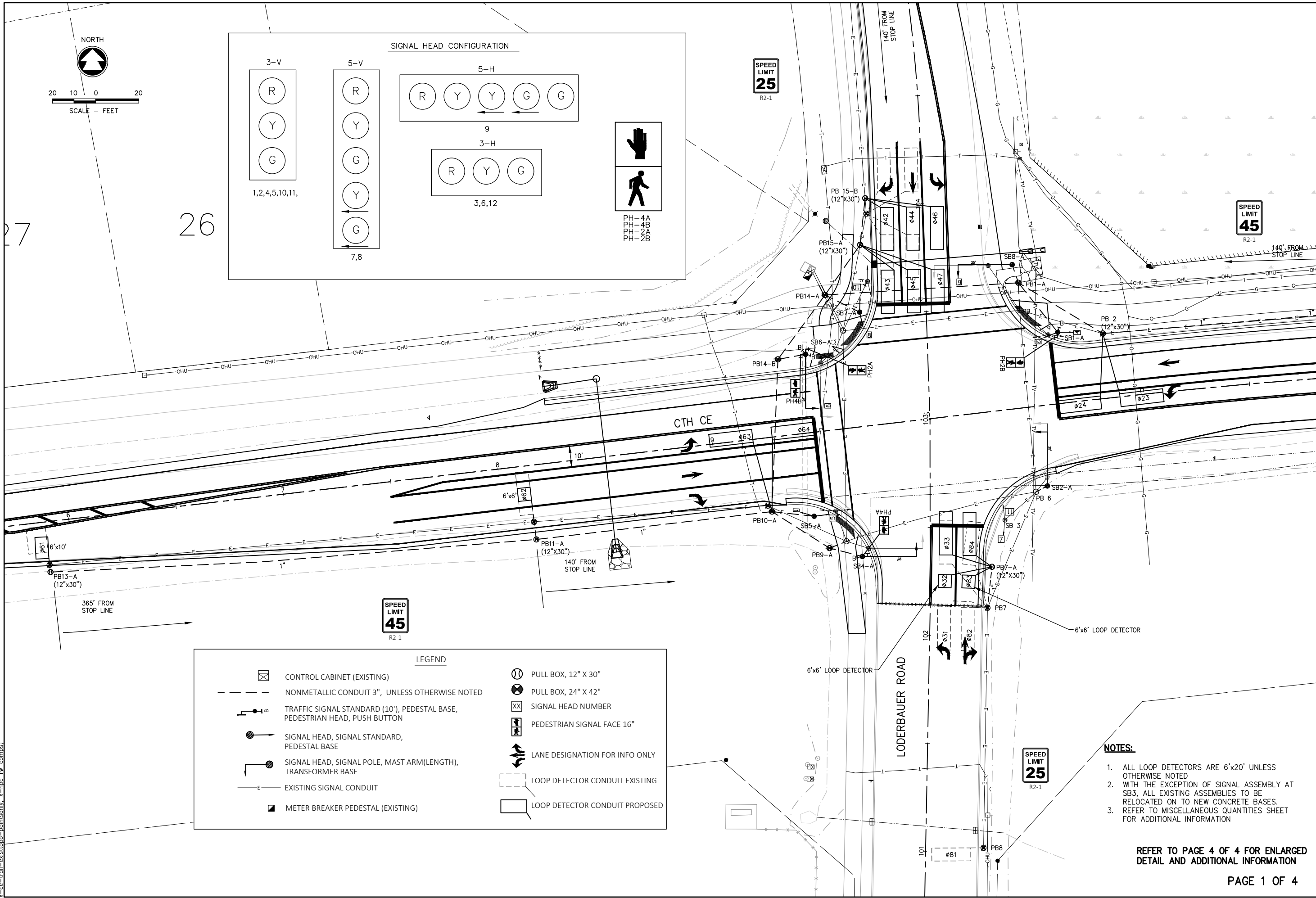
LODERBAUER ROAD

1. REMOVE PULL BOXES AS SHOWN AND SALVAGE COVERS
2. ALL EXISTING SIGNAL ASSEMBLIES TO BE RELOCATED ON TO NEW CONCRETE BASES, EXCEPT FOR SIGNAL ASSEMBLY AT SB3
3. ALL CONCRETE BASES TO BE REMOVED EXCEPT FOR SB3
4. REFER TO MISCELLANEOUS QUANTITY SHEETS FOR ADDITIONAL INFORMATION

PAGE 4 OF 4

[illegible]





**NOTES:**

- ALL LOOP DETECTORS ARE 6'x20' UNLESS OTHERWISE NOTED
- WITH THE EXCEPTION OF SIGNAL ASSEMBLY AT SB3, ALL EXISTING ASSEMBLIES TO BE RELOCATED ON TO NEW CONCRETE BASES.
- REFER TO MISCELLANEOUS QUANTITIES SHEET FOR ADDITIONAL INFORMATION

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

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CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
PROPOSED CTH CE & LODERBAUER RD. TRAFFIC SIGNALS

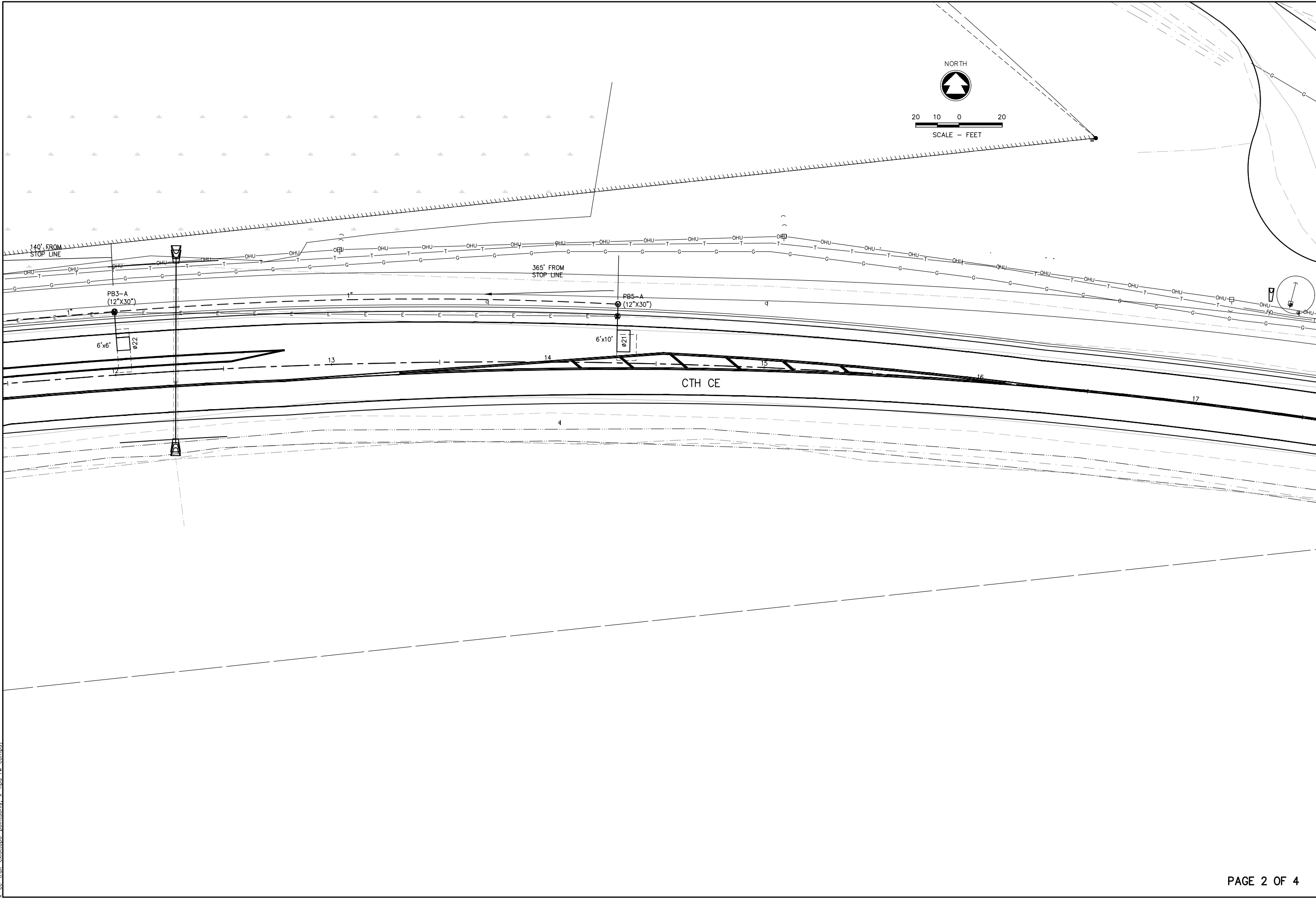
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RJK	RJK

PROJECT NO.  
K0006 81700105

DATE  
MAY 2020

SHEET NO.  
**32**

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CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
PROPOSED CTH CE & LODERBAUER RD. TRAFFIC SIGNALS

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

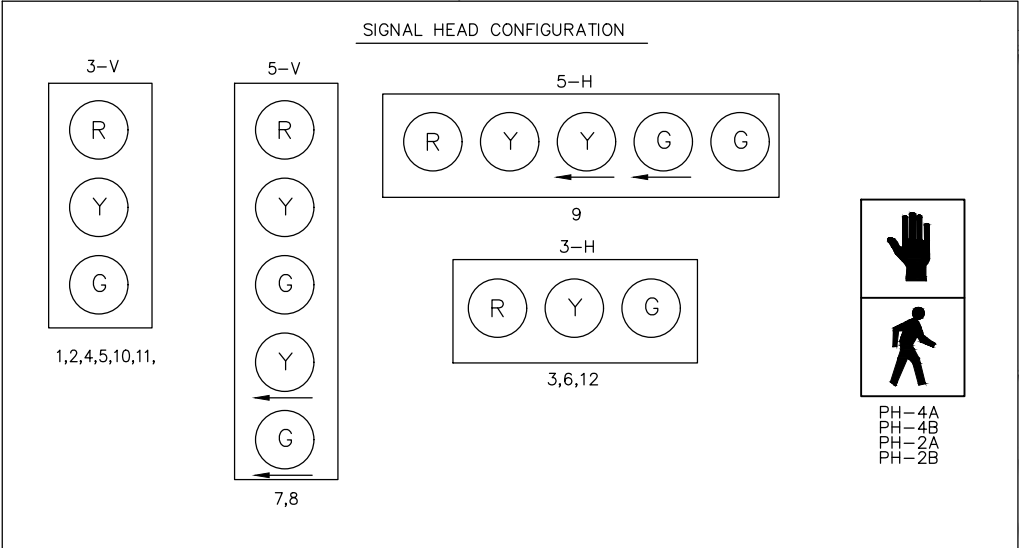
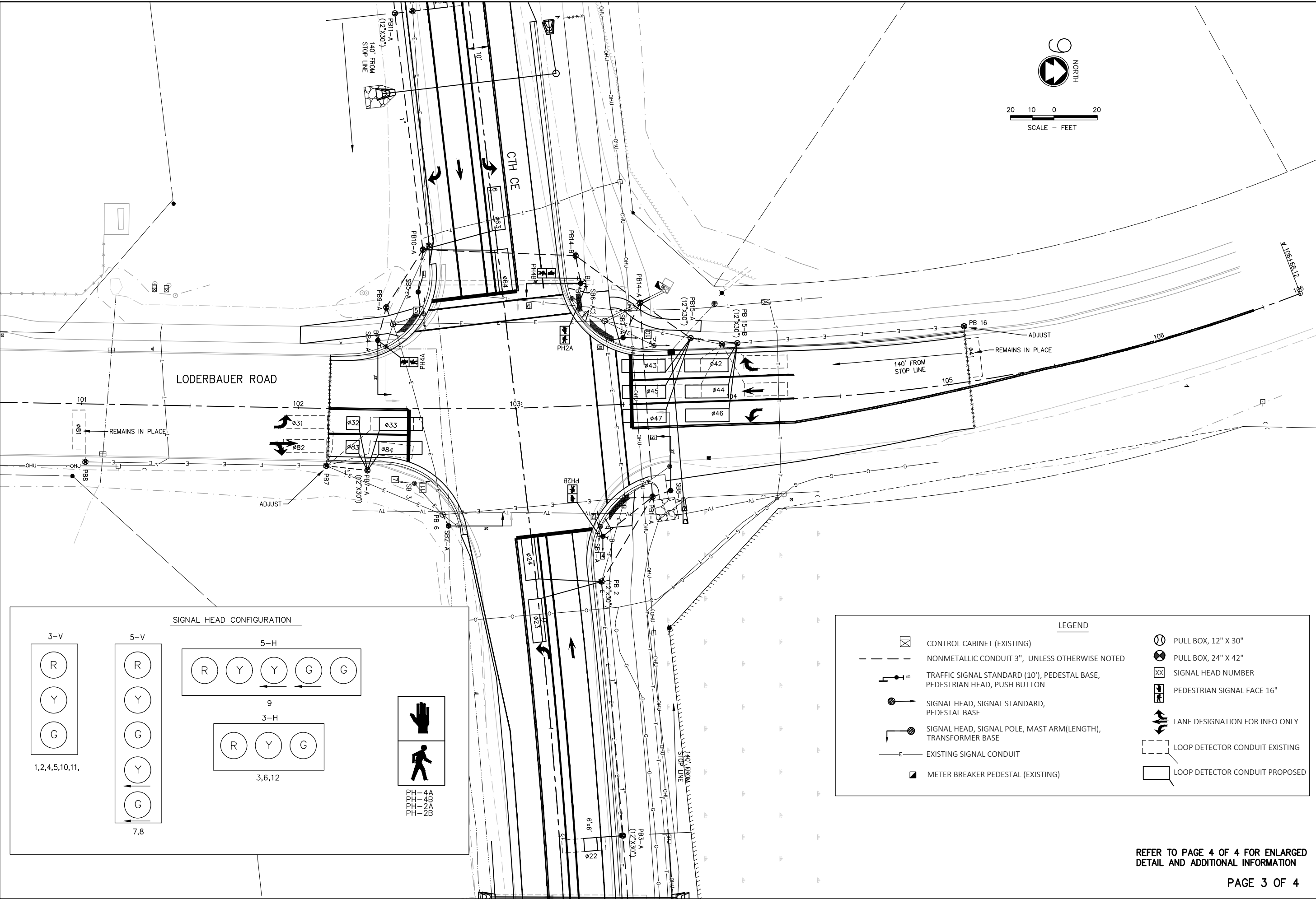
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REVISION

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NO.



**LEGEND**

CONTROL CABINET (EXISTING)

NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL STANDARD (10'), PEDESTAL BASE, PEDESTRIAN HEAD, PUSH BUTTON

SIGNAL HEAD, SIGNAL STANDARD, PEDESTAL BASE

SIGNAL HEAD, SIGNAL POLE, MAST ARM(LENGTH), TRANSFORMER BASE

EXISTING SIGNAL CONDUIT

METER BREAKER PEDESTAL (EXISTING)

PULL BOX, 12" X 30"

PULL BOX, 24" X 42"

SIGNAL HEAD NUMBER

PEDESTRIAN SIGNAL FACE 16"

LANE DESIGNATION FOR INFO ONLY

LOOP DETECTOR CONDUIT EXISTING

LOOP DETECTOR CONDUIT PROPOSED

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

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**CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI**

**PROPOSED CTH CE & LODERBAUER RD. TRAFFIC SIGNALS**

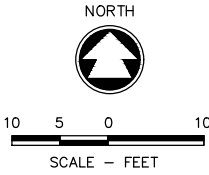
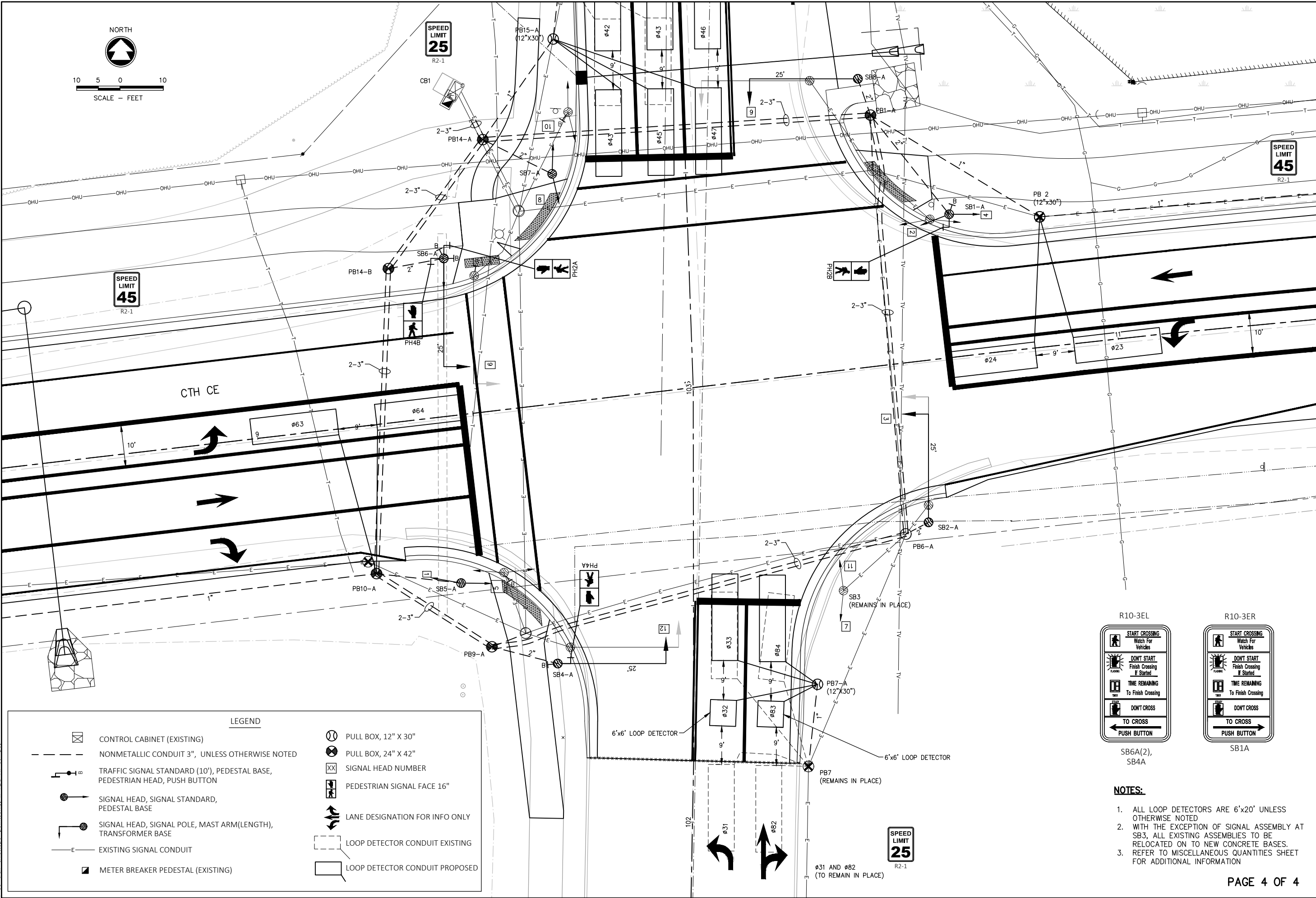
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RJK	RJK

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K0006 81700105

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34

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SPEED  
LIMIT  
45  
R2-1

SPEED  
LIMIT  
25  
R2-1

SPEED  
LIMIT  
45  
R2-1

SPEED  
LIMIT  
25  
R2-1

CONTROL CABINET (EXISTING)

NONMETALLIC CONDUIT 3", UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL STANDARD (10"), PEDESTAL BASE, PEDESTRIAN HEAD, PUSH BUTTON

SIGNAL HEAD, SIGNAL STANDARD, PEDESTAL BASE

SIGNAL HEAD, SIGNAL POLE, MAST ARM(LENGTH), TRANSFORMER BASE

EXISTING SIGNAL CONDUIT

METER BREAKER PEDESTAL (EXISTING)

PULL BOX, 12" X 30"

PULL BOX, 24" X 42"

SIGNAL HEAD NUMBER

PEDESTRIAN SIGNAL FACE 16"

LANE DESIGNATION FOR INFO ONLY

LOOP DETECTOR CONDUIT EXISTING

LOOP DETECTOR CONDUIT PROPOSED

R10-3EL

START CROSSING  
Watch For  
Vehicles

DONT START  
Finish Crossing  
If Started

TIME REMAINING  
To Finish Crossing

DONT CROSS

TO CROSS  
PUSH BUTTON

SB6A(2),  
SB4A

R10-3ER

START CROSSING  
Watch For  
Vehicles

DONT START  
Finish Crossing  
If Started

TIME REMAINING  
To Finish Crossing

DONT CROSS

TO CROSS  
PUSH BUTTON

SB1A

- NOTES:
- ALL LOOP DETECTORS ARE 6'x20' UNLESS OTHERWISE NOTED
  - WITH THE EXCEPTION OF SIGNAL ASSEMBLY AT SB3, ALL EXISTING ASSEMBLIES TO BE RELOCATED ON TO NEW CONCRETE BASES.
  - REFER TO MISCELLANEOUS QUANTITIES SHEET FOR ADDITIONAL INFORMATION

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K0006 81700105

DATE  
MAY 2020

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35

CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI

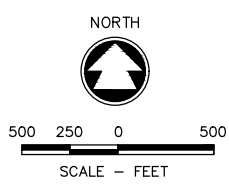
PROPOSED CTH CE & LODERBAUER RD. TRAFFIC SIGNALS

NO.

DATE

REVISION

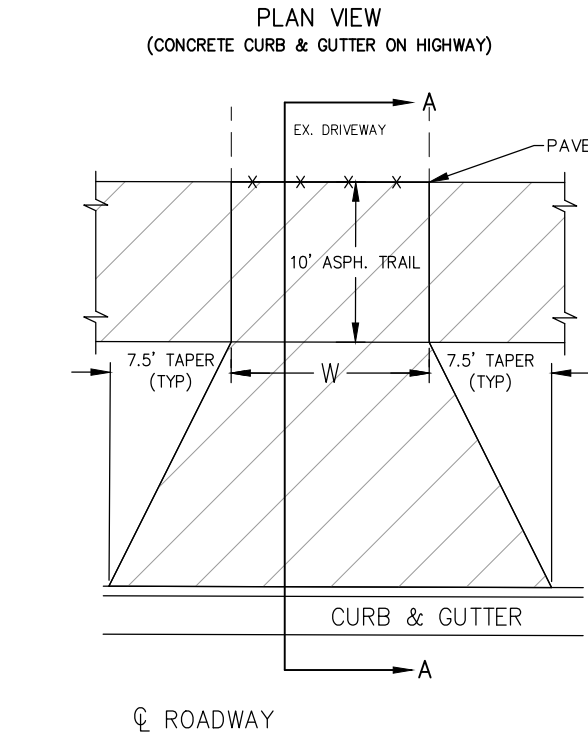
PAGE 4 OF 4



**CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
CTH CE TRAFFIC CONTROL**

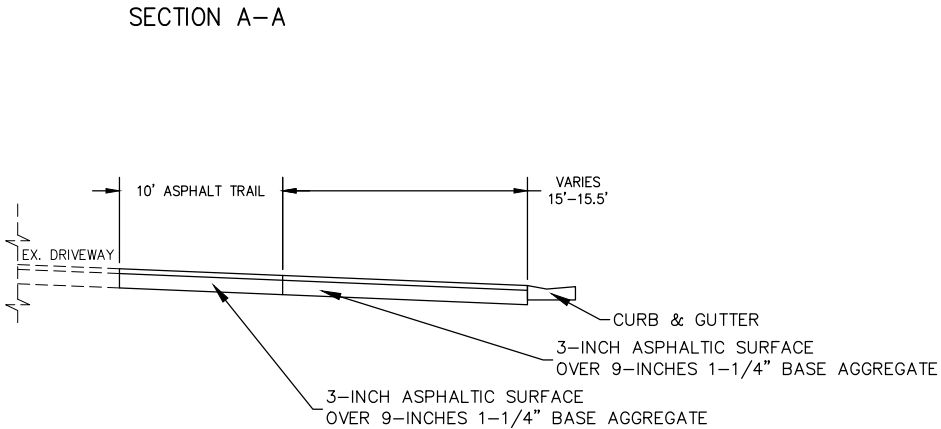
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W = WIDTH OF DRIVEWAY  
(REFER TO PLAN SHEET)

## DRIVEWAY DETAIL



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

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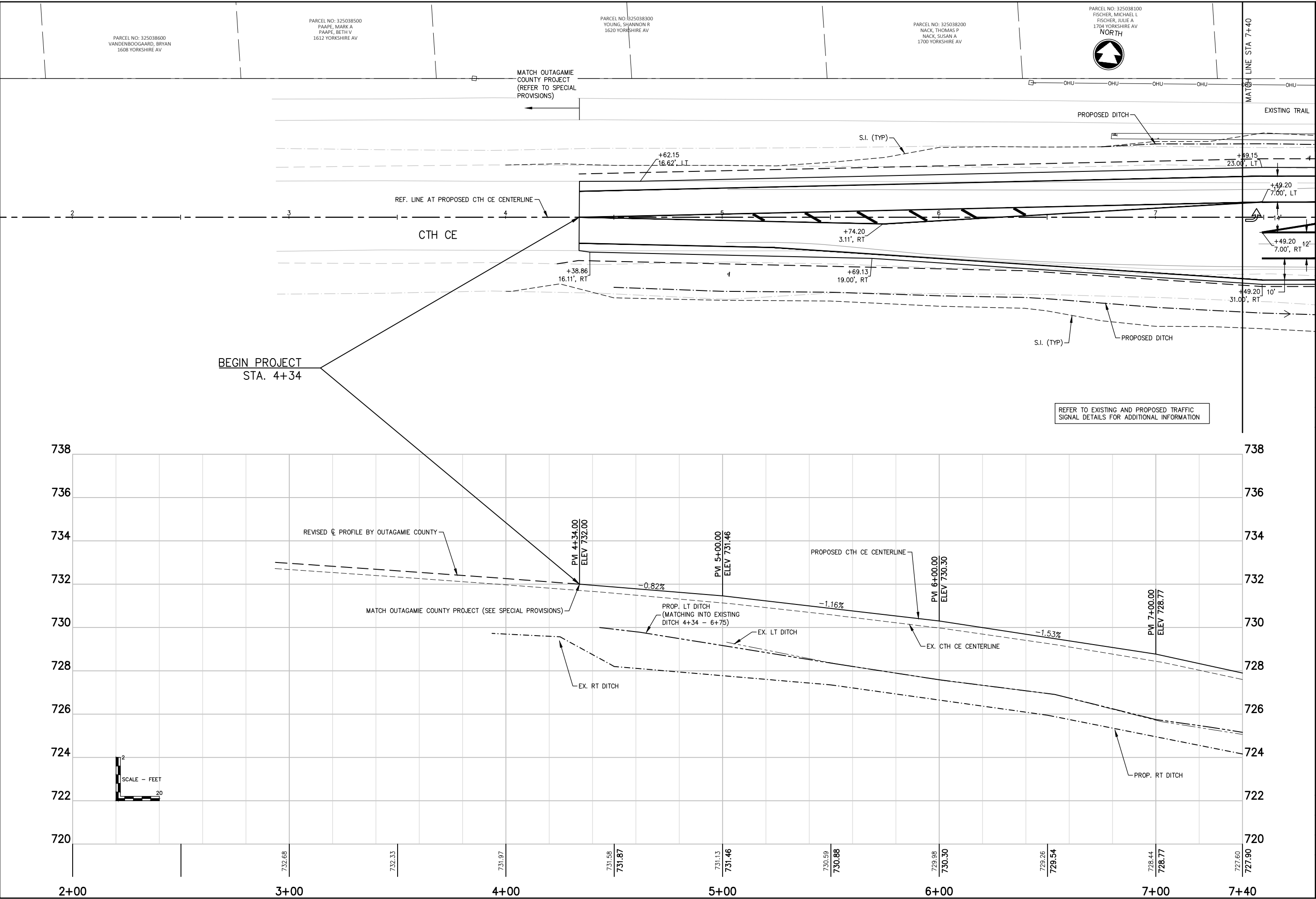
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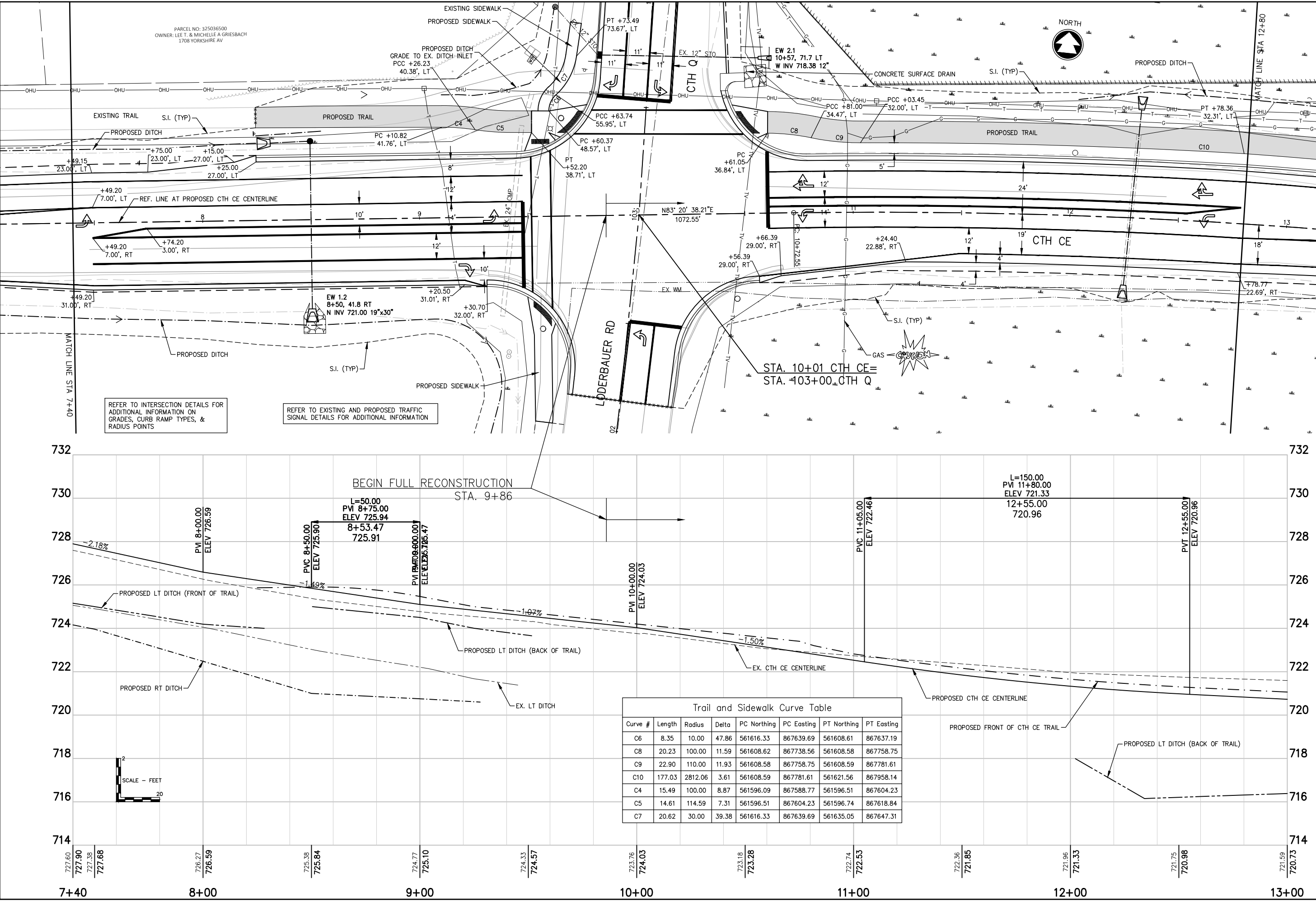
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38

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DATE



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-

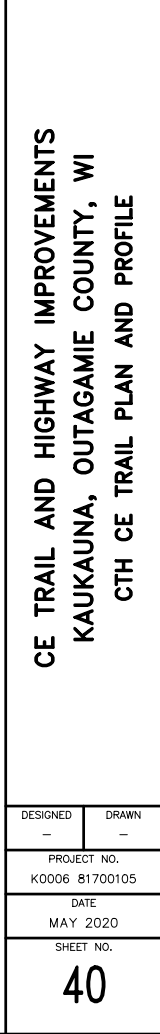
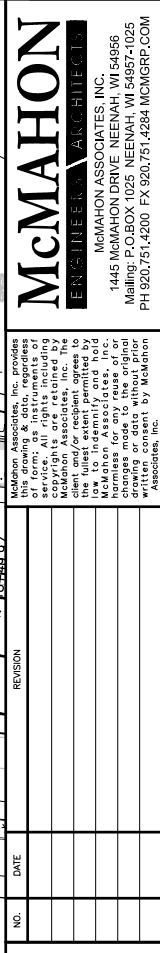
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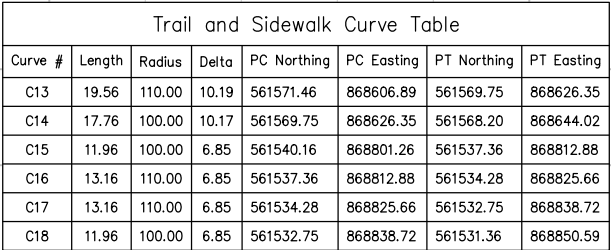
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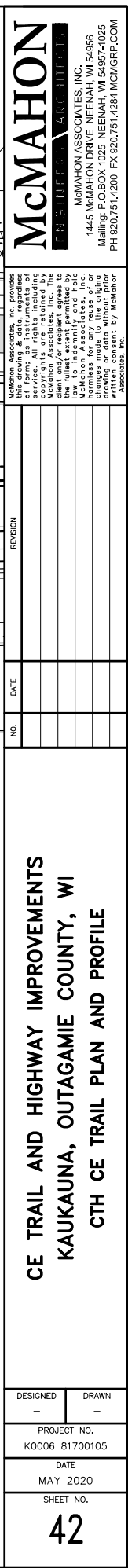
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MAY 2020

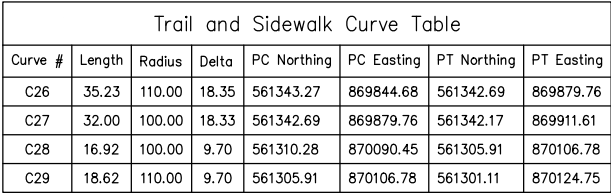
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39

CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
CTH CE TRAIL PLAN AND PROFILE

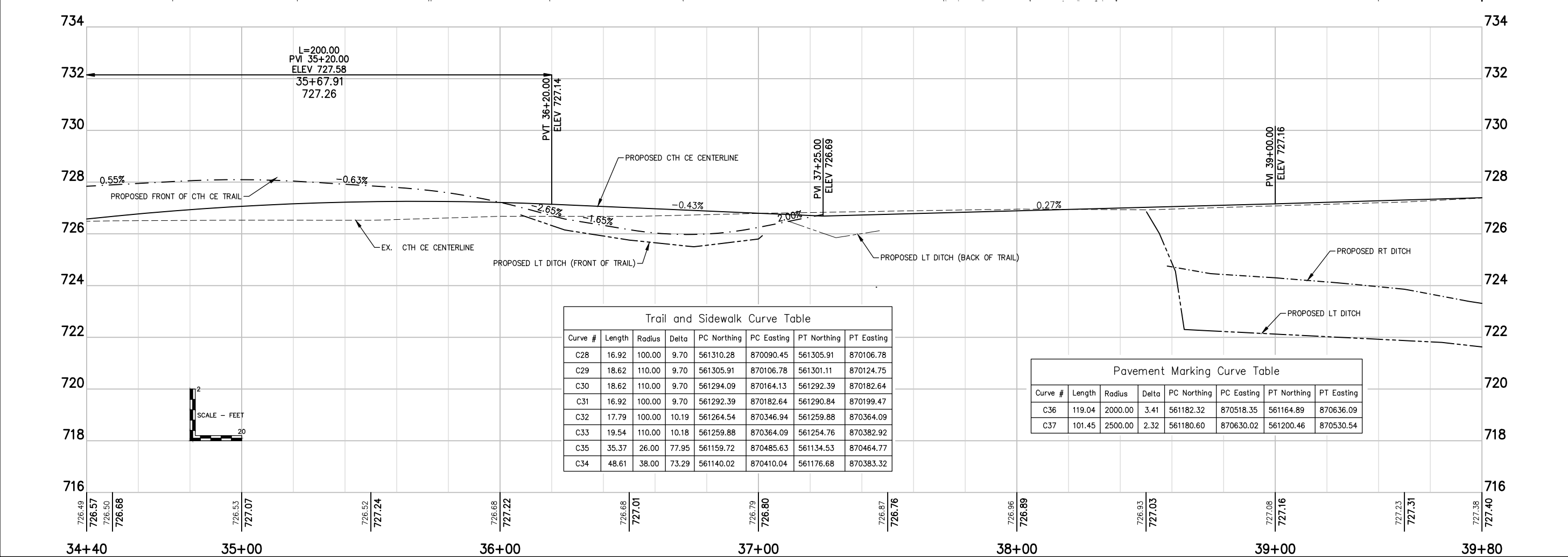
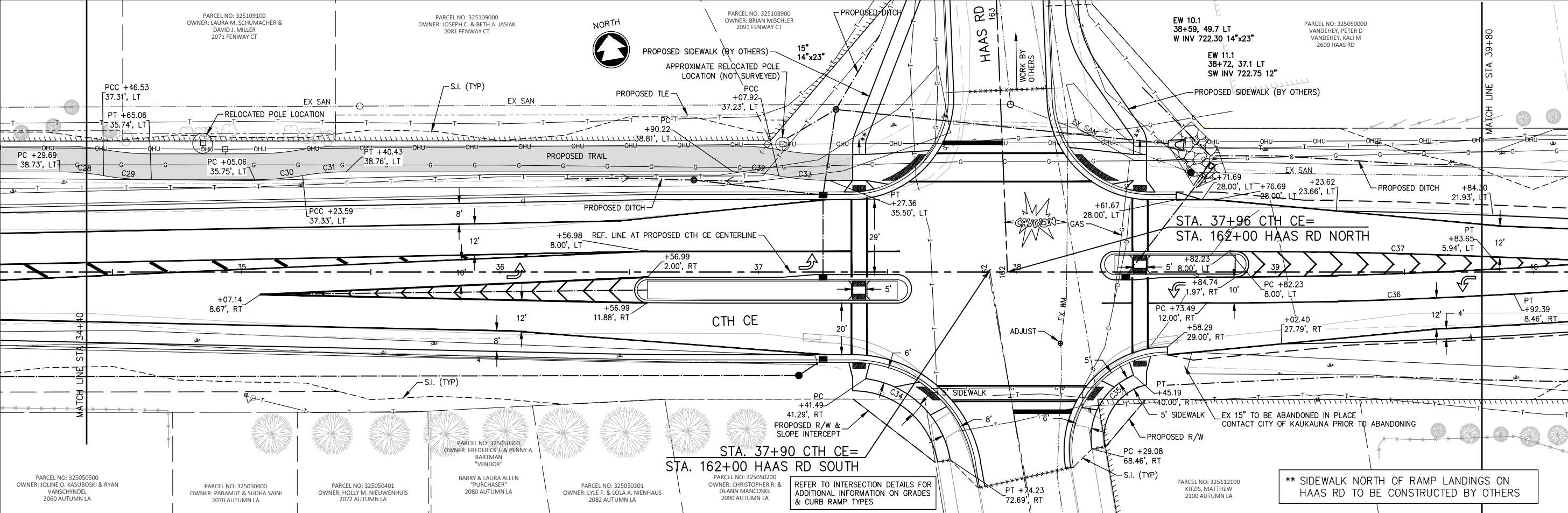












Trail and Sidewalk Curve Table							
Curve #	Length	Radius	Delta	PC Northing	PC Easting	PT Northing	PT Easting
C28	16.92	100.00	9.70	561310.28	870090.45	561305.91	870106.78
C29	18.62	110.00	9.70	561305.91	870106.78	561301.11	870124.75
C30	18.62	110.00	9.70	561294.09	870164.13	561292.39	870182.64
C31	16.92	100.00	9.70	561292.39	870182.64	561290.84	870199.47
C32	17.79	100.00	10.19	561264.54	870346.94	561259.88	870364.09
C33	19.54	110.00	10.18	561259.88	870364.09	561254.76	870382.92
C35	35.37	26.00	77.95	561159.72	870485.63	561134.53	870464.77
C34	48.61	38.00	73.29	561140.02	870410.04	561176.68	870383.32

Pavement Marking Curve Table							
Curve #	Length	Radius	Delta	PC Northing	PC Easting	PT Northing	PT Easting
C36	119.04	2000.00	3.41	561182.32	870518.35	561164.89	870636.09
C37	101.45	2500.00	2.32	561180.60	870630.02	561200.46	870530.54

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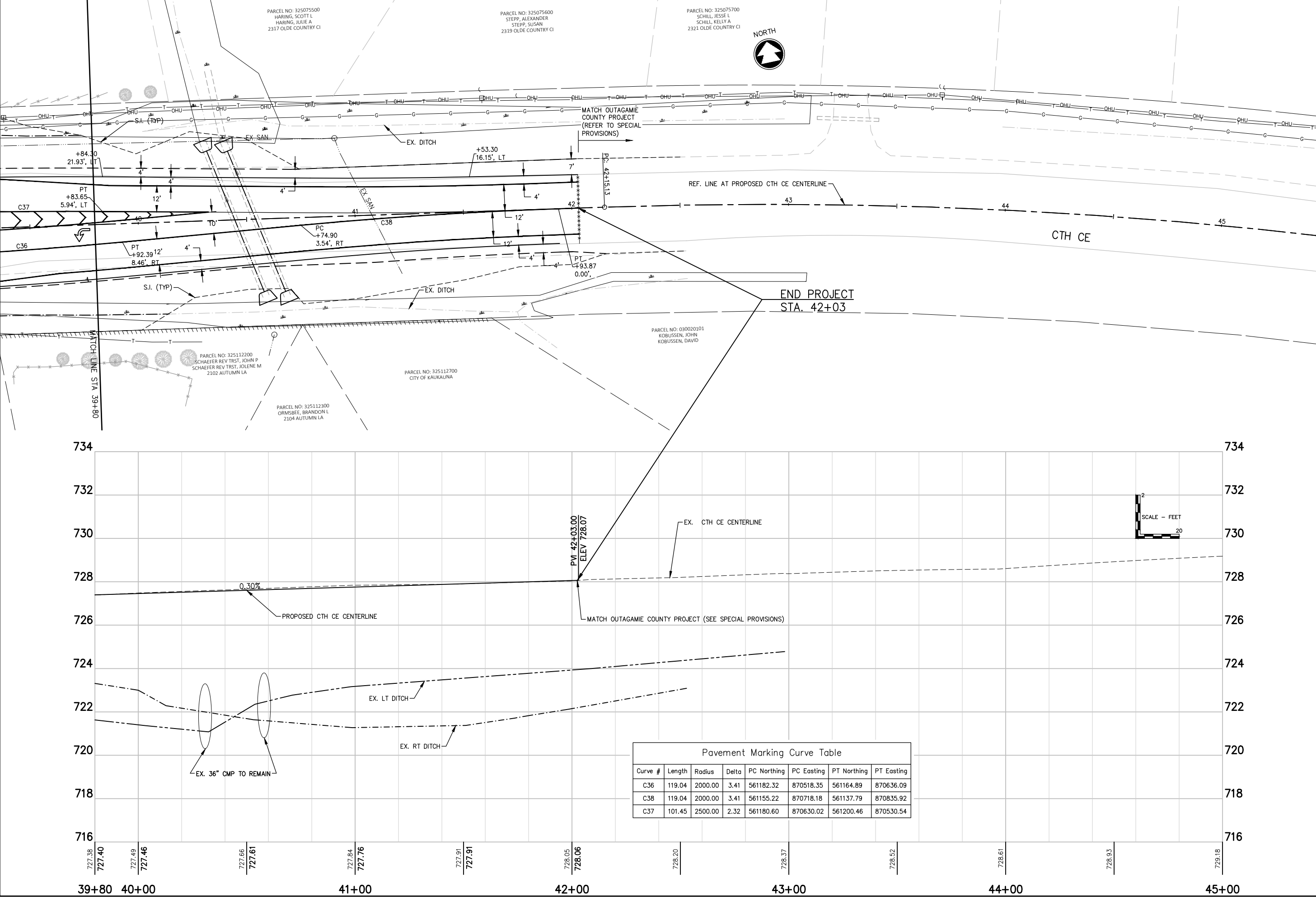
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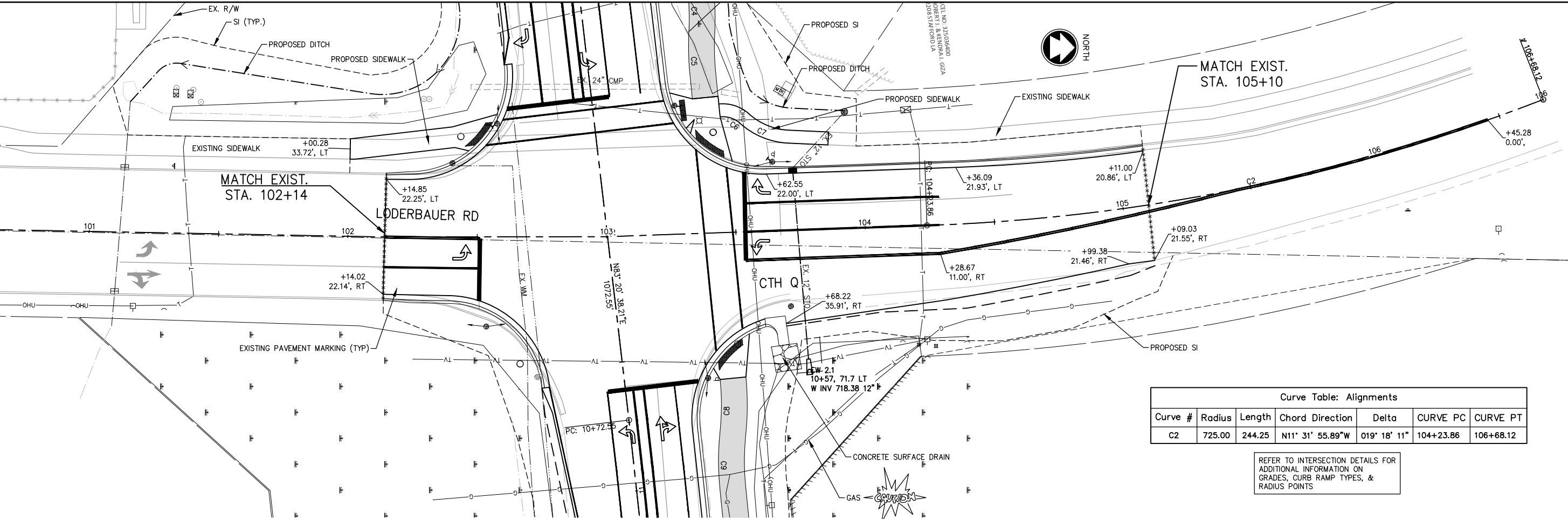
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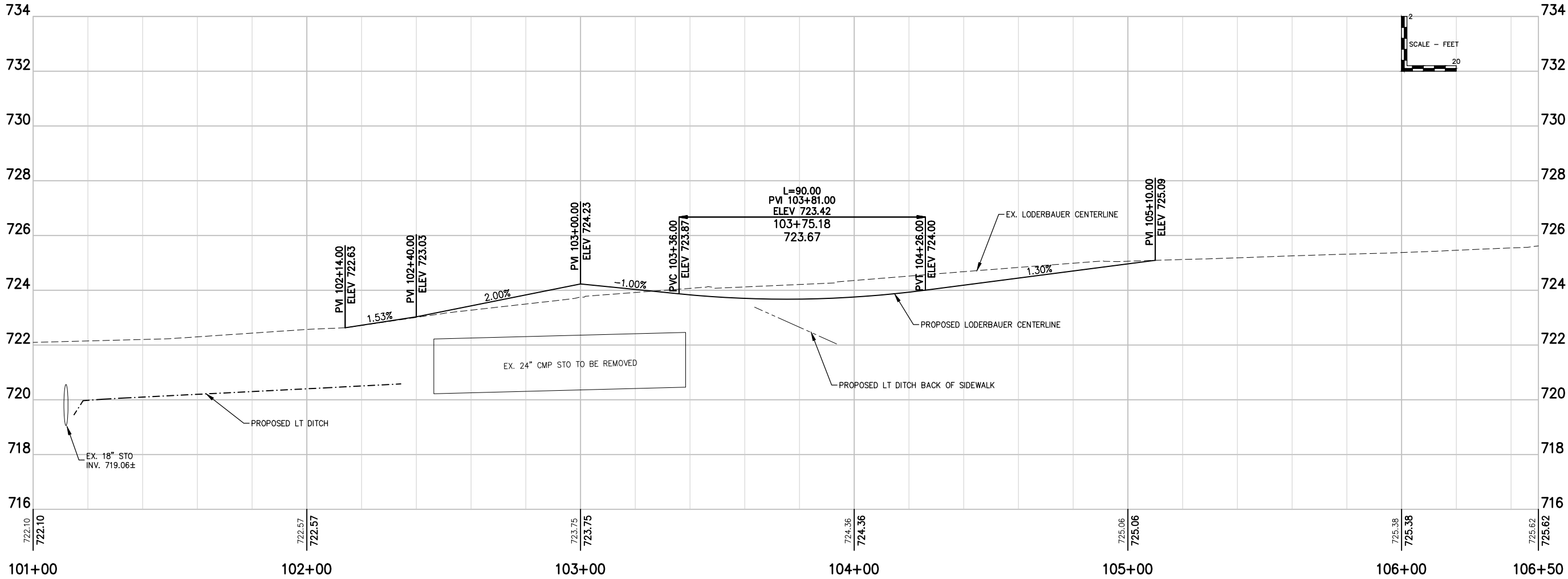
CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
CTH CE TRAIL PLAN AND PROFILE

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Curve Table: Alignments						
Curve #	Radius	Length	Chord Direction	Delta	CURVE PC	CURVE PT
C2	725.00	244.25	N11° 31' 55.89"W	019° 18' 11"	104+23.86	106+68.12

REFER TO INTERSECTION DETAILS FOR  
ADDITIONAL INFORMATION ON  
GRADES, CURB RAMP TYPES, &  
RADIUS POINTS



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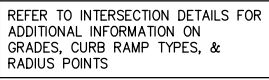
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CE TRAIL AND HIGHWAY IMPROVEMENTS

KAUKAUNA, OUTAGAMIE COUNTY, WI

LODERBAUER RD PLAN AND PROFILE



PARCEL ID NO: 325023905  
OWNER: KILLIAN ENTERPRISE, INC.

EW 7.2  
27+05, 52.3 LT  
SW INV 713.85 42'

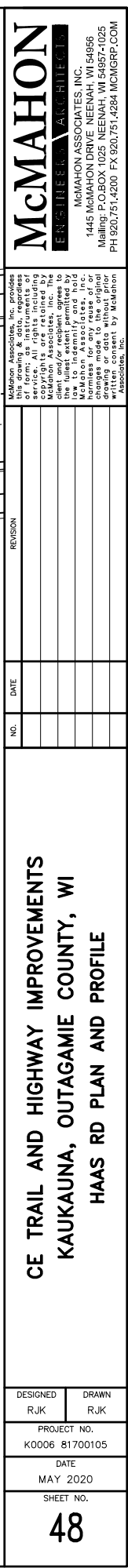
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PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO.	

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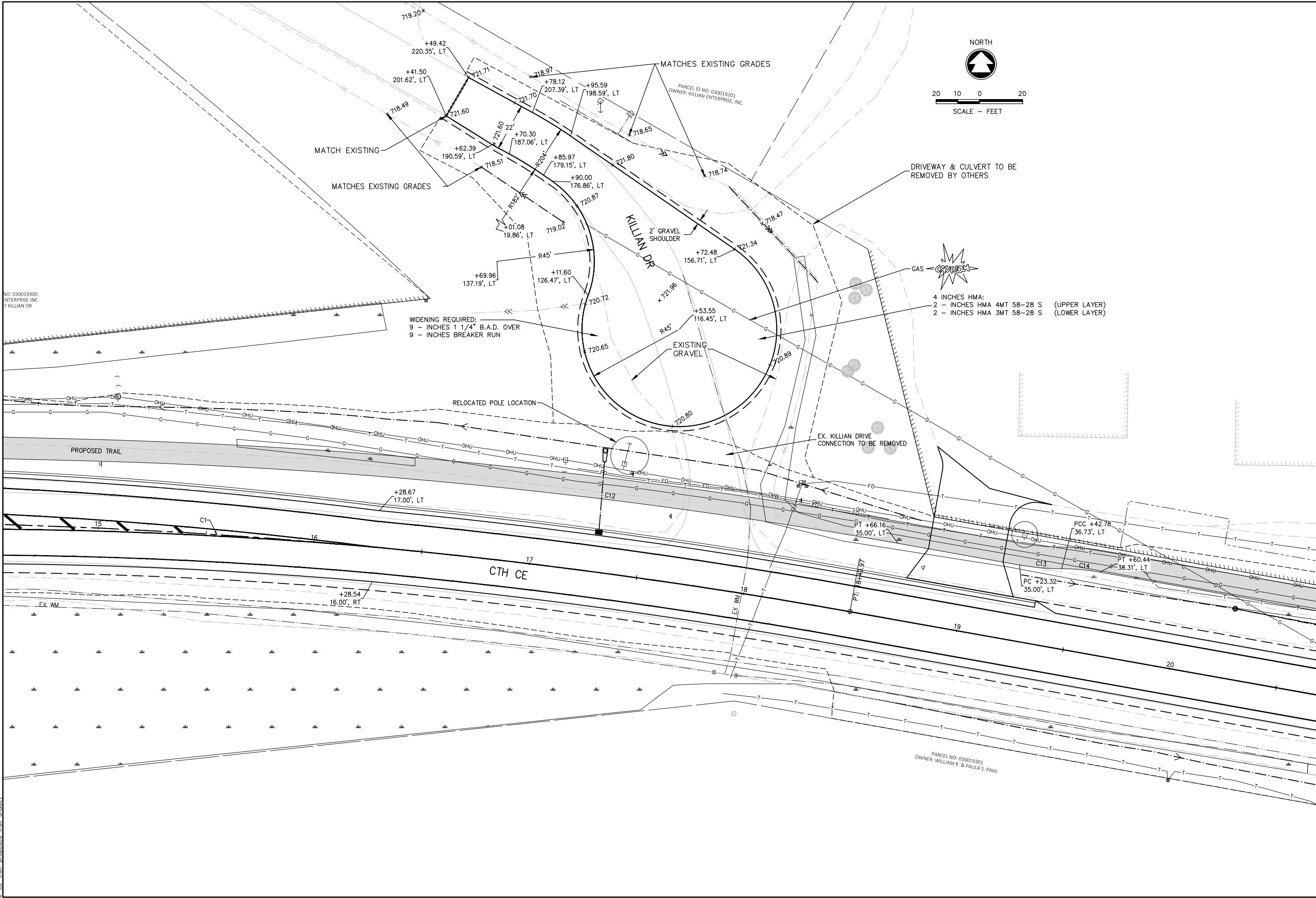
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NO.	DATE	REVISION

CE TRAIL AND HIGHWAY IMPROVEMENTS  
KAUKAUNA, OUTAGAMIE COUNTY, WI  
KILLIAN DRIVE CUL-DE-SAC

DESIGNED RJK	DRAWN RJK
PROJECT NO. K0006 81700105	
DATE MAY 2020	
SHEET NO. 49	



W:\PROJECTS\K0006\81700105\CADD\Civil3D\Plan Sheets\CTH CE MQ Sheets.dwg, 95 MQ 1, 5/8/2020 3:22:51 PM, CClemens, 1:2

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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 INLETS

204.0220

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

REMOVING SIDEWALK

204.0155

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 STORM SEWER (12-Inch)

204.0245

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

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	

CLEARING & GRUBBING

LOCATION	201.0105 CLEARING STATION	201.0205 GRUBBING STATION	REMARKS
	1	1	
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	Available 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 WITHIIN THE LIMITS OF EXCAVATION SHALL BE REUSED WITHIN THE PROJECT LIMITS

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ENGINEERS-ARCHITECTS

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NO.	DATE	REVISION			

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

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

95

BASE AGGREGATE DENSE					
AREA	LOCATION	305.0120	311.0110	SPV.0180.01	REMARKS
		BASE AGGREGATE DENSE 1 1/4-INCH	BREAKER RUN	SALVAGE RECLAIMED ASPHALT	
TON	TON	SY			
CONCRETE SIDEWALK	9+42 - 38+60	342	-	-	*Quantity includes Reclaimed Asphalt
CONCRETE PAVEMENT	MEADOWVIEW STREET	30	30	-	
CONCRETE PAVEMENT	HAAS ROAD	65	65	-	
ASPHALT PAVEMENT	4+34 - 42+02	11310*	11,310	17,000	
CURB AND GUTTER	9+25 - 39+00	1,073	1,073	-	
DRIVEWAYS	19+50 - 32+90	110	-	-	
ASPHALT TRAIL	BIKE/PED TRAIL	1,876	-	-	
ASPHALT PAVEMENT	CTH Q	590	590	775	
SHOULDER	UNDISTRIBUTED	-	-	-	
EBS	UNDISTRIBUTED	-	2,700	-	
KILLIAN DR.	CUL-DE-SAC	73	89	680	
PROJECT TOTALS		4,159	15,857	18,455	

DRILLED TIE BARS			
416.0610			
STATION	LOCATION	EACH	REMARK
LODERBAUER RD.	LT. & RT.	6	TIE ITO CURB & GUTTER NORTH & SOUTH SIDE
MEADOWVIEW ST	RT.	14	TIE IN POINTS SOUTH SIDE(CURB & PAVEMENT)
HAAS ROAD	LT. & RT.	18	NORTH CURB TIE IN, SOUTH CURB & PAVEMENT
PROJECT TOTAL		38	

CONCRETE SURFACE DRAINS			
STATION	LOCATION	416.1010	645.013
		CONCRETE SURFACE DRAIN C.Y.	GEOTEXTILE TYPE R FABRIC S.Y.
25+80 LT.	CTH CE	0.7	4
25+80 RT.	CTH CE	0.7	4
30+60 RT.	CTH CE	0.7	4
33+00 RT.	CTH CE	0.7	4
103+68 RT.	CTH Q	0.7	4
PROJECT TOTAL		3.5	20

REMOVING ASPHALTIC SURFACE		
204.0110		
LOCATION	SY	REMARK
UNDISTRIBUTED	800	CTH CE AND SIDE ROAD MATCH POINTS
PROJECT TOTAL		800

SEALING PIPES			
204.0280			
STATION	LOCATION	EACH	REMARKS
38+73 RT	CTH CE	1	EX 15" STORM
PROJECT TOTAL		1	

ADJUSTING MANHOLE COVERS			
611.8110			
STATION	LOCATION	EACH	REMARKS
38+70 LT	CTH CE	1	SANITARY SEWER
PROJECT TOTAL		1	

CONCRETE PAVEMENT		
415.0060 CONCRETE PAVEMENT 6-INCH		
STATION TO STATION	LOCATION	SY
27+34 RT	MEADOWVIEW STREET	55
38+00 RT	HAAS ROAD	125
PROJECT TOTALS		180

REVISION				
NO.	DATE			

DESIGNED RJK	DRAWN RJK
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DATE MAY 2020	
SHEET NO. <b>97</b>	

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

CONCRETE SIDEWALK				
		602.0405	602.041	602.0415
STATION	LOCATION	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

INLET PROTECTION			
STATION	628.7005	628.7015	628.7020
	TYPE A	TYPE C	TYPE D
	EACH	EACH	EACH
4+33 - 42+03 LT. & RT.	8	3	7
8 3 7			

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

CURB RAMP DETECTABLE WARNING FIELD			
STATION	LOCATION	602.0515	602.0615
		NATURAL PATINA	NATURAL PATINA RADIAL
		SF	SF
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

SILT FENCE			
STATION TO STATION	LOCATION	628.1504	628.1520
		SILT FENCE	SILT FENCE
		L.F.	MAINTENANCE
			L.F.
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

LANDSCAPING SUMMARY									
STATION TO STATION	LOCATION	625.01	627.0200	629.0210	630.0130	630.0140	628.2023	624.01	603.0200
		TOPSOIL	MULCHING	FERTILIZER	SEEDING	SEEDING	EROSION MAT	WATER	TEMP
		SY	SY	TYPE B	MIXTURE NO. 30	MIXTURE NO. 40	CLASS II TYPE B	MGAL	SEEDING
				CWT.	LB.	LB	SY		LBS
4+34 - 42+03	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

CONCRETE MEDIAN SLOPED NOSE			
620.0300			
STATION	LOCATION	SF	NOTES
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	

REVISION				
NO.	DATE			

STORM SEWER PIPES AND CULVERT PIPES															
			522.1036 Culvert Pipe Reinforced Concrete Class III 36-Inch	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	608.2414 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical C lass HE-IV 14x23-Inch	608.2419 Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical C lass HE-IV 19x30-Inch	520.8000 Concrete Collars for Pipe	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
FROM	-	TO	LF	LF	LF	LF	LF	LF	LF	LF	LF				
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			

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99

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

NO.

DATE

REVISION



STORM SEWER STRUCTURES																				
				611.0530	611.0615	611.0639	611.0645	SPV.0060.01	611.2004	611.2006	611.2010	611.3003	611.3004	611.3230	611.3253	611.3901	650.4000			
				Inlet		Inlet		Inlet		Manholes		Manholes		Inlets		Inlets		(BY OTHERS)		
				Manhole	Inlet Covers	Inlet Covers	Inlet Covers	CoversType	Manholes 4-	Manholes 6-	10-FT	Inlets 3-FT	Inlets 4-FT	Inlets	Inlets	Median	Construction	Staking	RIM	INVERT
STRUCTURE	STATION	OFFSET*	LOCATION	Covers Type J	Type F	Type H-S	Type MS-A	"BH"	FT Diameter	FT Diameter	Diameter	Diameter	Diameter	2x3-FT	2.5x3-FT	1 Grate	Storm Sewer		ELEVATION	ELEVATION
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		FT	
INL 1	9+83.68	74.05' LT	CTH CE	-	-	1	-	-	-	-	-	-	-	1	-	-	1		723.24	718.70
MH 1	8+50.01	36.23' LT	CTH CE	1	-	-	-	-	-	1	-	-	-	-	-	-	1		725.62	721.13
INL 2	17+30	20.0' LT	CTH CE	-	1	-	-	-	-	-	-	-	-	-	1	-	1		721.32	717.95
MH 2	25+89.10	36.88' LT	CTH CE	1	-	-	-	-	1	-	-	-	-	-	-	-	1		720.19	714.02
INL 3	20+25	32.6' LT	CTH CE	-	-	-	1	-	-	-	-	-	-	-	-	1	1		717.89	715.56
MH 3	26+77	48.7' RT	CTH CE	1	-	-	-	-	-	-	1	-	-	-	-	-	1		720.93	713.99
INL 4	22+75	30' LT	CTH CE	-	-	-	-	1	-	-	-	-	1	-	-	-	1		718.13	714.69
INL 5	24+50	35.1' LT	CTH CE	-	-	-	-	1	-	-	-	-	1	-	-	-	1		718.01	714.25
MH 5	37+15.63	40' RT	CTH CE	1	-	-	-	-	1	-	-	-	-	-	-	-	1		726.50	723.10
INL 6	28+50	50.7' RT	CTH CE	-	-	-	-	1	-	-	-	-	1	-	-	-	1		718.16	714.86
INL 7	30+68	22.8' LT	CTH CE	-	1	-	-	-	-	-	-	-	-	-	1	-	1		721.53	717.24
INL 8	32+37	33.4' LT	CTH CE	-	-	-	-	1	-	-	-	-	1	-	-	-	1		721.48	717.67
INL 9	32+88	33.1' LT	CTH CE	-	-	-	-	1	-	-	-	1	-	-	-	-	1		723.33	719.18
INL 10	33+00	22.5' LT	CTH CE	-	1	-	-	-	-	-	-	-	-	-	1	-	-		724.14	720.14
INL 11	36+75	35.6' LT	CTH CE	-	-	-	-	1	-	-	-	1	-	-	-	-	1		725.44	722.96
INL 12	37+30	62.9' LT	CTH CE	-	-	-	-	1	-	-	-	-	1	-	-	-	1		725.85	722.61
INL 13	37+25	29.7' LT	CTH CE	-	1	-	-	-	-	-	-	-	-	-	1	-	1		726.45	722.73
INL 14	37+25	2.5' RT	CTH CE	-	-	1	-	-	-	-	-	-	-	1	-	-	1		726.65	722.88
INL 15	37+25	33.7' RT	CTH CE	-	1	-	-	-	-	-	-	-	-	-	1	-	1		726.05	726.16
INL 16	38+42	1.5' RT	CTH CE	-	-	1	-	-	-	-	-	-	-	1	-	-	1		727.04	722.97
TOTALS				4	5	3	1	7	2	1	1	2	5	3	5	1	19			

REMARKS  
\* STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

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NO. DATE

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K0006 81700105

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MAY 2020

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100

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



CABLE TRAFFIC SIGNAL & LOOP DETECTOR LEAD IN CABLE

FROM	TO	655.0230	655.0240	655.0260	655.0270	655.0700
		5-14 AWG LF	7-14 AWG LF	12-14 AWG LF	15-14 AWG LF	LOOP DETECTOR LEAD IN CABLE* 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	652.0800	655.0700	655.0800	REMARKS
				CONDUIT LF	LEAD IN CABLE LF	WIRE 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

REVISION	
NO.	DATE

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
		EACH	EACH	EACH
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 652.0210	2-INCH 652.0225	3-INCH 652.0235	REMARKS
		L.F.	L.F.	L.F.	
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	PB-10A	-	-	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	-	CONNECT TO EXISTING CONDUIT CONNECT TO EXISTING CONDUIT
PB6-A	SB3	-	5	-	
PB6-A	PB7	-	5	-	-
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		930

SAWING CONCRETE

690.0250

STATION	LOCATION	LF	REMARK
10+00 RT.	SIDEWALK & CURB	13	LODERBAUER ROAD
10+00 LT.	SIDEWALK & CURB	8	CTH Q
27+32 RT.	PAVEMENT & CURB	38	MEADOWVIEW STREET
37+72 RT.	SIDEWALK	5	HAAS ROAD
38+00 RT.	PAVEMENT & CURB	38	HAAS ROAD
38+32 RT.	SIDEWALK	5	HAAS ROAD
PROJECT TOTAL		107	

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

\*

654.0101

CONCRETE

SPV

SPV

BASES

.0060.02

.0060.03

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			

NO.	DATE	REVISION

CONCRETE BASES AND TRAFFIC SIGNAL RELOCATION INFORMATION				
LOCATION	204.0195	*		REMARKS
	REMOVING	654.0101	654.0102	
	CONCRETE BASES EA	TYPE 1 EA	TYPE 2 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
<hr/>				
PROJECT TOTALS	7	3	4	
*ADDITIONAL QUANTITIES INCLUDED ELSEWHERE				
<b>NOTE 1:</b> TYPE 1 SIGNAL ASSEMBLY = TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, AND ALL TRAFFIC SIGNAL FACES, PEDESTRIAN SIGNAL FACES, PUSH BUTTONS, ETC.				
<b>NOTE 2:</b> TYPE 2 SIGNAL ASSEMBLY = TRAFFIC SIGNAL POLE-TYPE 2, TRANSFORMER BASE, AND ALL TRAFFIC SIGNAL FACES, PEDESTRIAN SIGNAL FACES, PUSH BUTTONS, ETC.				
<b>NOTE 3:</b> EXISTING PEDESTRIAN SIGNALS AND PUSH BUTTONS TO BE REPLCED AS PART OF THIS PROJECT				
<b>NOTE 4:</b> REFER TO SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING SALVAGING AND REINSTALLING TRAFFIC SIGNALS				

PULL BOXES					REMARKS
PULL BOX NO.	653.0905 REMOVING EA	653.0900 ADJUSTING EA	653.0110 STEEL, 12x30-INCH EA	653.0140 STEEL, 24x42-INCH EA	
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	-	-
<hr/>					
PROJECT TOTAL	11	1	8	6	

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REVISION

NO.

DATE

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

DESIGNED  
RJK

DRAWN  
RJK

PROJECT NO.  
K0006 81700105

DATE  
MAY 2020

SHEET NO.  
103

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WORK BY OUTAGAMIE COUNTY

ASPHALTIC MATERIALS

STATION TO STATION	LOCATION	460.6223	460.6224	465.0105	465.0120	455.0605
		HMA PAVEMENT 3MT 58-28S TON	HMA PAVEMENT 4MT 58-28S TON	ASPHALTIC SURFACE TON	ASPHALTIC DRIVEWAYS & FIELD ENT. TON	TACK COAT GAL.
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	646.1020	646.1020	646.3020	646.5020	646.6120	646.7105	646.8220	646.7420
		MARKING LINE 4-INCH (YELLOW) LF	MARKING LINE 4-INCH (WHITE) LF	MARKING LINE 8-INCH LF	ARROW EACH	STOP LINE 18-INCH LF	MARKING DIAGONAL 12-INCH LF	ISLAND NOSE EACH	CROSS WALK EPOXY TRANSVERSE LINE 6-INCH LF
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
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
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

REVISION	
NO.	DATE

## SIGNING

**JOB TOTAL**