

PROJECT ID: 2704-00-78 & 3763-00-75
WITH:

COUNTY: KENOSHA/RACINE

ORDER OF SHEETS

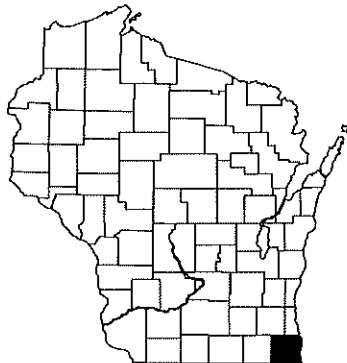
Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2704-00-78		
3763-00-75		

WISCONN VALLEY WAY CTH KR, V MT PLESANT
BOX CULVERT KILBOURN ROAD DITCH BOX CULVERT
WISCONN VALLEY WAY CTH KR
RACINE COUNTY KENOSHA & RACINE COUNTY



STATE PROJECT NUMBER
2704-00-78

STATE PROJECT NUMBER
3763-00-75

DESIGN DESIGNATION

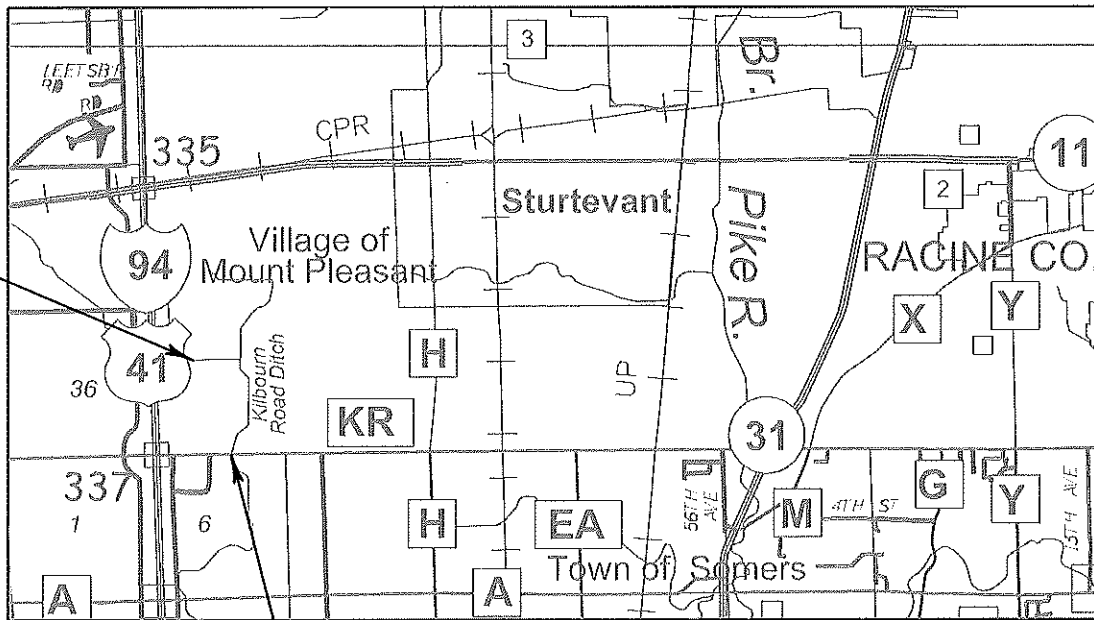
A.A.D.T.	=	16,920 (2018)
A.A.D.T.	=	59,200 (2038)
D.H.V.	=	9,515
D.D.	=	50/50
T.	=	16.8%
DESIGN SPEED	=	40 MPH
ESALS	=	12,000,000

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STRUCTURE
C-51-85



STRUCTURE
B-30-142

R-22-E

T-3-N

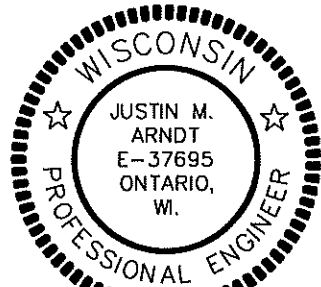
T-2-N

LAYOUT
SCALE 0 0.6 MI.

2704-00-78 TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.
3763-00-75 TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.
TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

Elevations shown on this plan are referenced to the North American Vertical Datum of NAVD 88 (1991)

Coordinates on this plan are referenced to the Wisconsin Coordinate Reference System (WisCRS), RACINE County, NAD 1983 (1997)



6/1/18
(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	KAPUR & ASSOCIATES
Designer	KAPUR & ASSOCIATES
Project Manager	STEVE HOFF
Regional Examiner	
Regional Supervisor	MANOJOY NAG

APPROVED FOR THE DEPARTMENT
DATE: 6/1/2018 (Signature)

E

GENERAL NOTES

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLAND AREAS.

FERTILIZER SHALL NOT BE USED WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE PLACED A MINIMUM OF 6 INCHES IN DEPTH.

TOPSOIL SHALL NOT BE PLACED UNTIL APPROVED BY ENGINEER.

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

EROSION CONTROL DEVICES WILL BE PLACED IN SEQUENCE WITH CONSTRUCTION ACTIVITIES AS DETERMINED BY THE ENGINEER.

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

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES WILL BE FILLED WITH COMPACTED BACKFILL GRANULAR GRADE 1 UNLESS REGULATIONS REQUIRED OTHERWISE. BACKFILL GRANULAR GRADE 1 IS INCIDENTAL TO THE REMOVAL ITEM.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING ASPHALTIC CONCRETE SURFACE.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

SIGNS TO BE MOVED SHALL BE STORED AND PROTECTED BY THE CONTRACTOR, FREE FROM DAMAGE, UNTIL SUCH TIME AS THEY ARE RE-INSTALLED.

CONSTRUCT HMA PAVEMENT WITH THE FOLLOWING LAYERS AND GRADATIONS:

CTH KR

5-INCH HMA PAVEMENT _____

2" UPPER LAYER ASPHALTIC SURFACE

3" LOWER LAYER ASPHALTIC SURFACE

DESIGN INDEX
TITLE
GENERAL NOTES AND UTILITY CONTACTS
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STAGE CONSTRUCTION
TRAFFIC CONTROL
DETOUR PLAN
ALIGNMENT PLAN

UTILITY CONTACTS

AT&T WISCONSIN
MARK EDER
2005 PEWAUKEE ROAD
WAUKESHA, WI 53188
PHONE: (262) 896-7434
me1754@att.com

CHARTER COMMUNICATIONS
PETE KRUZELA
1320 N. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
PHONE: (414) 908-1339
CELL: (414) 688-5376
pete.kruzela@charter.com
wis.engineering@charter.com

VILLAGE OF MOUNT PLEASANT - SEWER
ANTHONY BEYER
6126 DURAND AVENUE
RACINE, WI 53406
PHONE: (262) 664-7849
tbeyer@mtpleasantwi.gov

RACINE WATER WORKS COMMISSION
CHAD REGALIA
800 CENTER STREET, ROOM 227
RACINE, WI 53403
PHONE: (262) 497-4611
chad.regalia@cityofracine.org

WE ENERGIES - ELECTRIC
SEND ALL CORRESPONDENCE TO:
NICOLE SMULLEN
333 W. EVERETT STREET - A299
MILWAUKEE, WI 53203
PHONE: 414-221-5617
CELL: 414-460-7190
Nicole.Smulen@we-energies.com

CONSTRUCTION FIELD CONTACT:
ANDY DOERFLINGER
500 S. 116TH STREET
WEST ALLIS, WI 53214
OFFICE: (414) 944-5758
CELL: (262) 939-5601
andy.doerflinger@we-energies.com

WE ENERGIES - GAS
SEND ALL CORRESPONDENCE TO:
NICOLE SMULLEN
333 W. EVERETT STREET - A299
MILWAUKEE, WI 53203
PHONE: 414-221-5617
CELL: 414-460-7190
Nicole.Smulen@we-energies.com

CONSTRUCTION FIELD CONTACT:
ANDY DOERFLINGER
500 S. 116TH STREET
WEST ALLIS, WI 53214
OFFICE: (414) 944-5758
CELL: (262) 939-5601
andy.doerflinger@we-energies.com

WISDOT - SIGNALS
JOHN HAUG
141 NW BARSTOW STREET
WAUKESHA, WI 53187
PHONE: (262) 521-5356
john.haug@dot.wi.gov

ELECTRICAL FIELD UNIT
935 S. 60TH STREET
WEST ALLIS, WI 53214
PHONE: (414) 266-1170

WISDOT - STOC
JEFFREY MADSON
433 W ST. PAUL AVENUE
SUITE 300
MILWAUKEE, WI 53203
PHONE: (414) 225-3723
jeffrey.madson@dot.wi.gov

STATE AGENCIES

WISCONSIN DEPARTMENT OF TRANSPORTATION
LACI KAZAN - ENVIRONMENTAL ANALYST AND
REVIEW SPECIALIST
141 NW BARSTOW STREET
WAUKESHA, WI 53187-0798
CELL: (414) 322-1429
laci.kazan@dot.wi.gov

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
KRISTINA BETZOLD
DNR SERVICE CENTER
2300 N. MARTIN LUTHER KING JR.
MILWAUKEE WI 53212
PHONE: (414) 507-4946
kristina.betzold@wisconsin.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION
GREG BERRY UTILITY COORDINATOR
141 NW BARSTOW STREET
WAUKESHA, WI 53187-0798
CELL: (414) 750-7828
gregory.berry@dot.wi.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION
STEVE HOFF, PROJECT MANAGER
141 NW BARSTOW STREET
WAUKESHA, WI 53187-0798
(262) 548-6718
steve.hoff@dot.wi.gov

OTHER AGENCIES

KENOSHA COUNTY PUBLIC WORKS
RAY ARBET
19600 75TH STREET
PO BOX 609
BRISTOL, WI 53104-0609
PHONE: (262) 857-1870

MOUNT PLEASANT, VILLAGE OF
MARK BENISH
8700 CAMPUS DRIVE
MOUNT PLEASANT, WI 53406
PHONE: (262) 664-7844
mbenish@mtpleasantwi.gov

RACINE COUNTY - DPW
NATHAN PLUNKETT
14200 WASHINGTON AVENUE
STURTEVANT, WI 53177
PHONE: (262) 886-8442
nathan.plunkett@racinecounty.com

SOMERS, TOWN OF
JERRY SMITH
P.O. BOX 197
SOMERS, WI 53171
PHONE: (262) 859-2822
gsmith@somers.org

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
ROB MERRY
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: (262) 953-4289
CELL: (920) 912-1036
rmerry@sewrpc.org

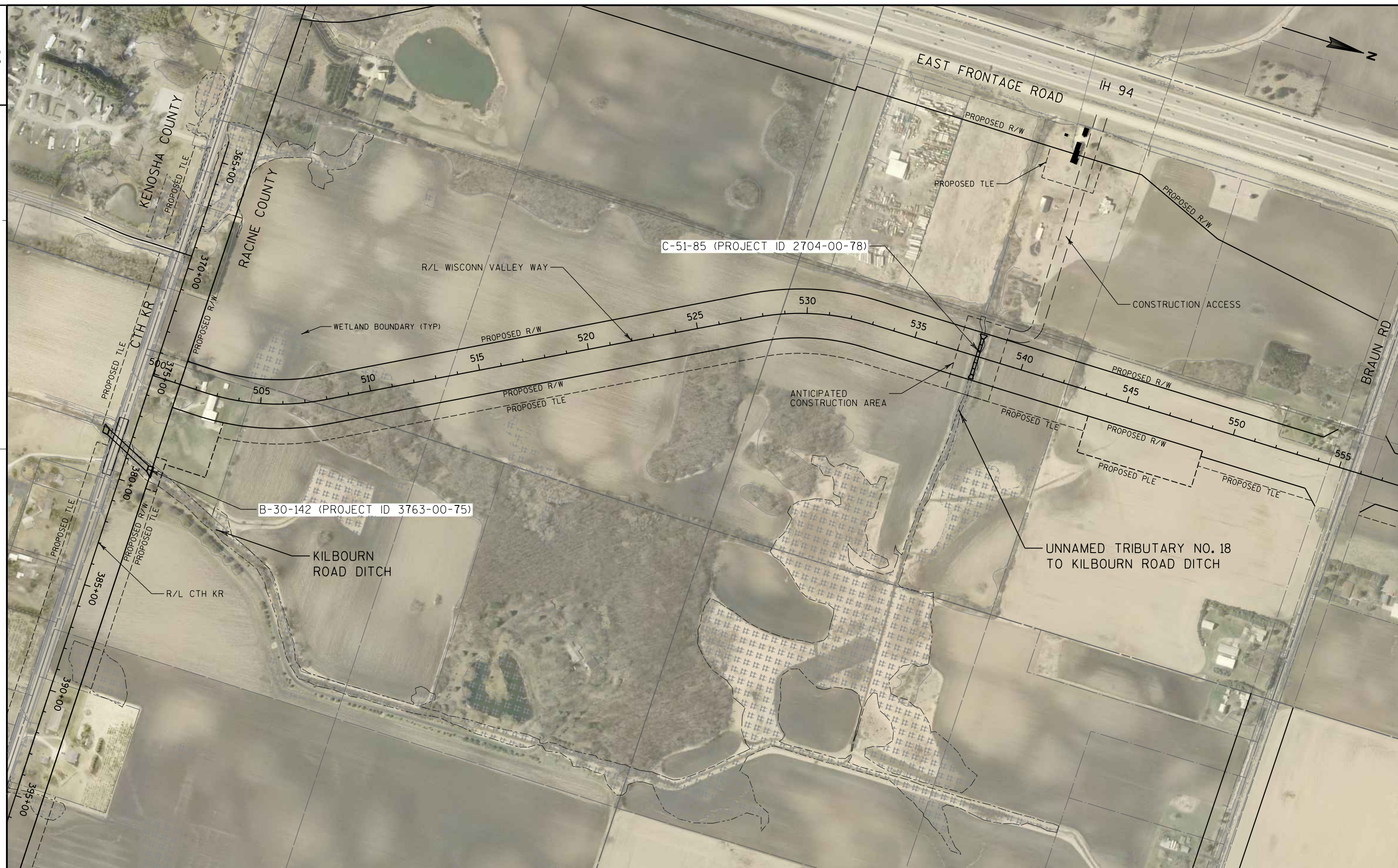
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU DIG IN WISCONSIN

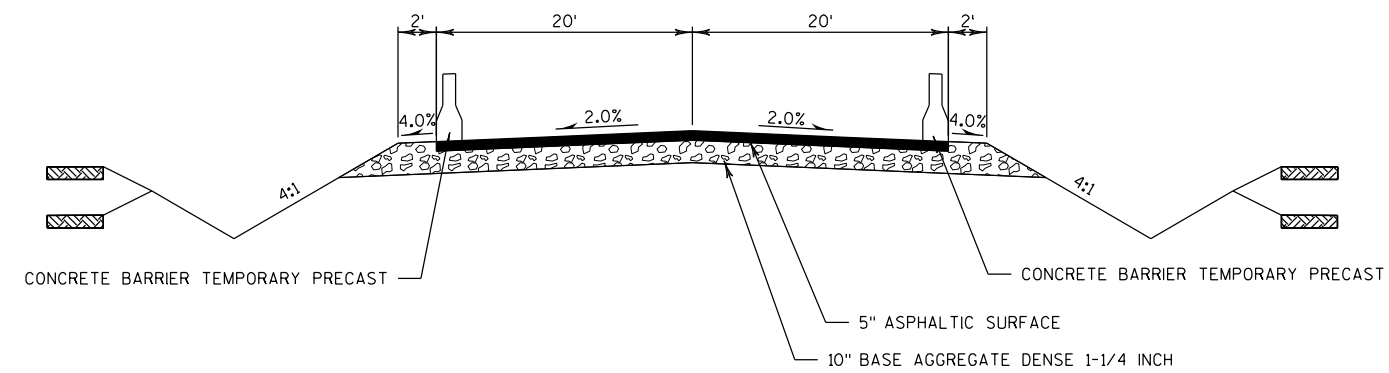
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK
DAYS NOTICE BEFORE YOU EXCAVATE.



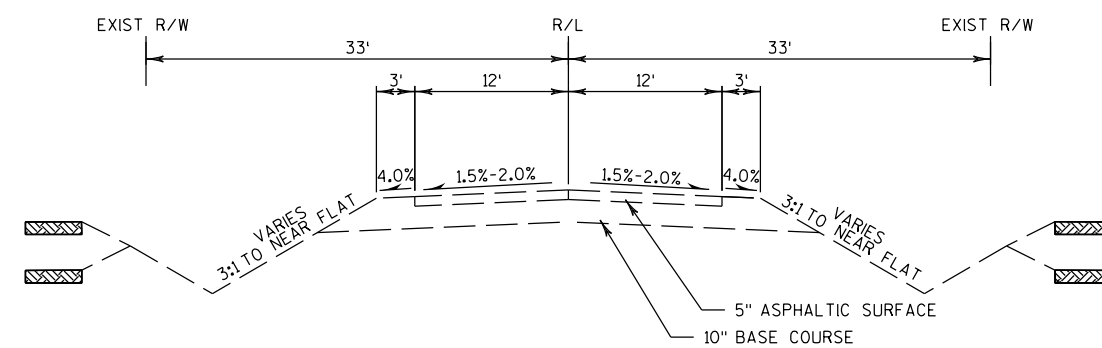
STANDARD ABBREVIATIONS

<	ANGLE	NC	NORMAL CROWN OR NO CHANGE
ADT	AVERAGE DAILY TRAFFIC	NO	NUMBER
AC	ACRE	NW OR N/W	NORMAL WATER
AE, AEW	APRON ENDWALL	OBLIT	OBLITERATE
AGG	AGGREGATE	OD	OUTSIDE DIAMETER
AH	AHEAD	PAVT	PAVEMENT
ASPH	ASPHALTIC	PC	POINT OF CURVATURE
BC	BACK OF CURB	PCC	POINT OF COMPOUND CURVE
BF	BACK FACE	PE	PRIVATE ENTRANCE
BIT	EXISTING BITUMINOUS	PGL	PROFILE GRADE LINE
BM	BENCH MARK	PI	POINT OF INTERSECTION
BEG	BEGIN	PL	PROPERTY LINE
BK	BACK	PLE	PERMANENT LIMITED EASEMENT
C & G	CURB AND GUTTER	PRC	POINT OF REVERSE CURVE
CABC	CRUSHED AGGREGATE BASE COURSE	PROJ	PROJECT
CB	CATCH BASIN	PSI	POUNDS PER SQUARE INCH
CMCP	CORRUGATED METAL CULVERT PIPE	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE
CP	CULVERT PIPE	PAV'T	PAVEMENT
CY	CUBIC YARD	PCC	PORTLAND CEMENT CONCRETE
CL OR C/L	CENTER LINE	R	RADIUS OR RANGE
CO	COUNTY	RC	REVERSE CURVE
CONC	CONCRETE	RCCP	REINFORCED CONCRETE CULVERT PIPE
CONST	CONSTRUCTION	RCHECP	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE
CR	CREEK	RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
CTH	COUNTY TRUNK HIGHWAY	RHF	RIGHT HAND FORWARD
CWT	HUNDRED WEIGHT	R/L	REFERENCE LINE
D	DEGREE OF CURVE	R/W	RIGHT OF WAY
Δ	DELTA	RD	ROAD
DHV	DESIGN HOUR VOLUME	RDWY	ROADWAY
DIA	DIAMETER	REL	RELOCATE
DISCH	DISCHARGE	REM	REMAINING
E	EAST	REOD	REQUIRED
EA	EACH	RO	RUN OFF LENGTH
EB	EASTBOUND	RT	RIGHT
EBS	EXCAVATION BELOW SUBGRADE	RW	RETAINING WALL
EL, ELEV	ELEVATION	S	SOUTH
ELEC	ELECTRIC(AL), ELEC CABLE	SALV	SALVAGED
EMB	EMBANKMENT	SAN	SANITARY
ESALS	EQUIVALENT SINGLE AXEL LOADS	SB	SOUTHBOUND
ESMT	EASEMENT	SDD	STANDARD DETAIL DRAWINGS
EW	ENDWALL	SE	SUPERELEVATION
EXC	EXCAVATION	SEC	SECTION
EXIST	EXISTING BITUMINOUS	SF	SQUARE FOOT (FEET)
EXP	EXPANSION	S/L	SURVEY LINE
FC	FACE OF CURB	SHLDR	SHOULDER(S)
FE	FIELD ENTRANCE	SHR	SHRINKAGE
FF	FACE TO FACE	SPECS	SPECIFICATIONS
F/L, FL	FLOW LINE	SS	STORM SEWER
FERT	FERTILIZER	STA	STATION
FHWA	FEDERAL HIGHWAY	STH	STATE TRUNK HIGHWAY
FT	FOOT (FEET)	STR	STRUCTURE
G	GAS	SW	SIDEWALK
GN	GRID NORTH	SY	SQUARE YARD
H	HOUSE	TAN	TANGENT
HMA	HOT MIX ASPHALT	TEL	TELEPHONE
HORZ	HORIZONTAL	T	(TRUCKS) PERCENT OF
HP	HIGH POINT	TC	TOP OF CURB
HR	HANDICAP RAMP	TAN	TANGENT
HYD	HYDRANT	TEMP	TEMPORARY
I	INTERSECTION ANGLE	TL OR T/L	TRANSIT LINE
ID	INSIDE DIAMETER	TLE	TEMPORARY LIMITED EASEMENT
INL	INLET	TYP	TYPICAL
INTER	INTERSECTION	UG	UNDERGROUND (CABLE)
INV	INVERT	UNCL	UNCLASSIFIED
IP	IRON PIPE	VAR	VARIABLE
JT	JOINT	VCL	VERTICAL CURVE LENGTH
K	RATE OF VERTICAL CURVATURE	VPC	VERTICAL POINT OF CURVATURE
L	LENGTH OF CURVE	VPCC	VERTICAL POINT OF COMPOUND CURVE
LB	POUND	VPI	VERTICAL POINT OF INTERSECTION
LC	LONG CHORD OF CURVE	VPRC	VERTICAL POINT OF REVERSE CURVE
LP	LOW POINT	VPT	VERTICAL POINT OF TANGENCY
LF	LINEAR FOOT(FEET)	VLV	VALVE
LHF	LEFT HAND FORWARD	VOL	VOLUME
LS	LUMP SUM	W	WEST
LT	LEFT	WB	WESTBOUND
M	MARSH	WV	WATER VALVE
MATL	MATERIAL	X	EASTING OR EAST GRID COORDINATE
MP	MARKER POST	Y	NORTHING OR NORTH GRID COORDINATE
MAX	MAXIMUM	YD	YARD
MGAL	1000 GALLONS		
MH	MANHOLE		
MIN	MINIMUM		
ML OR M/L	MATCH LINE		
N	NORTH		
NB	NORTHBOUND		





CTH KR TYPICAL FINISHED SECTION
STA 377+32 - STA 379+96



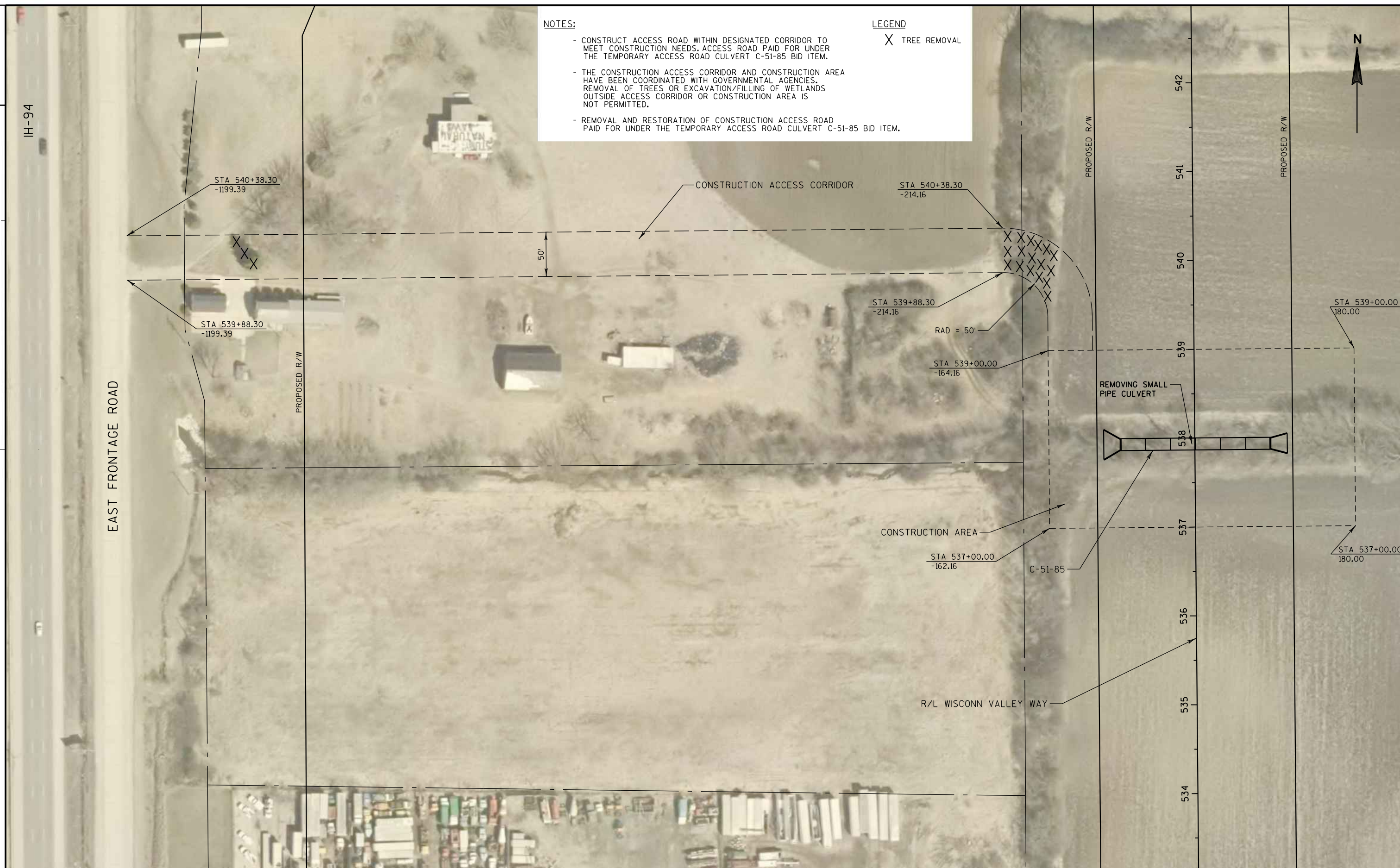
CTH KR TYPICAL EXISTING SECTION
STA 377+32 - STA 379+96

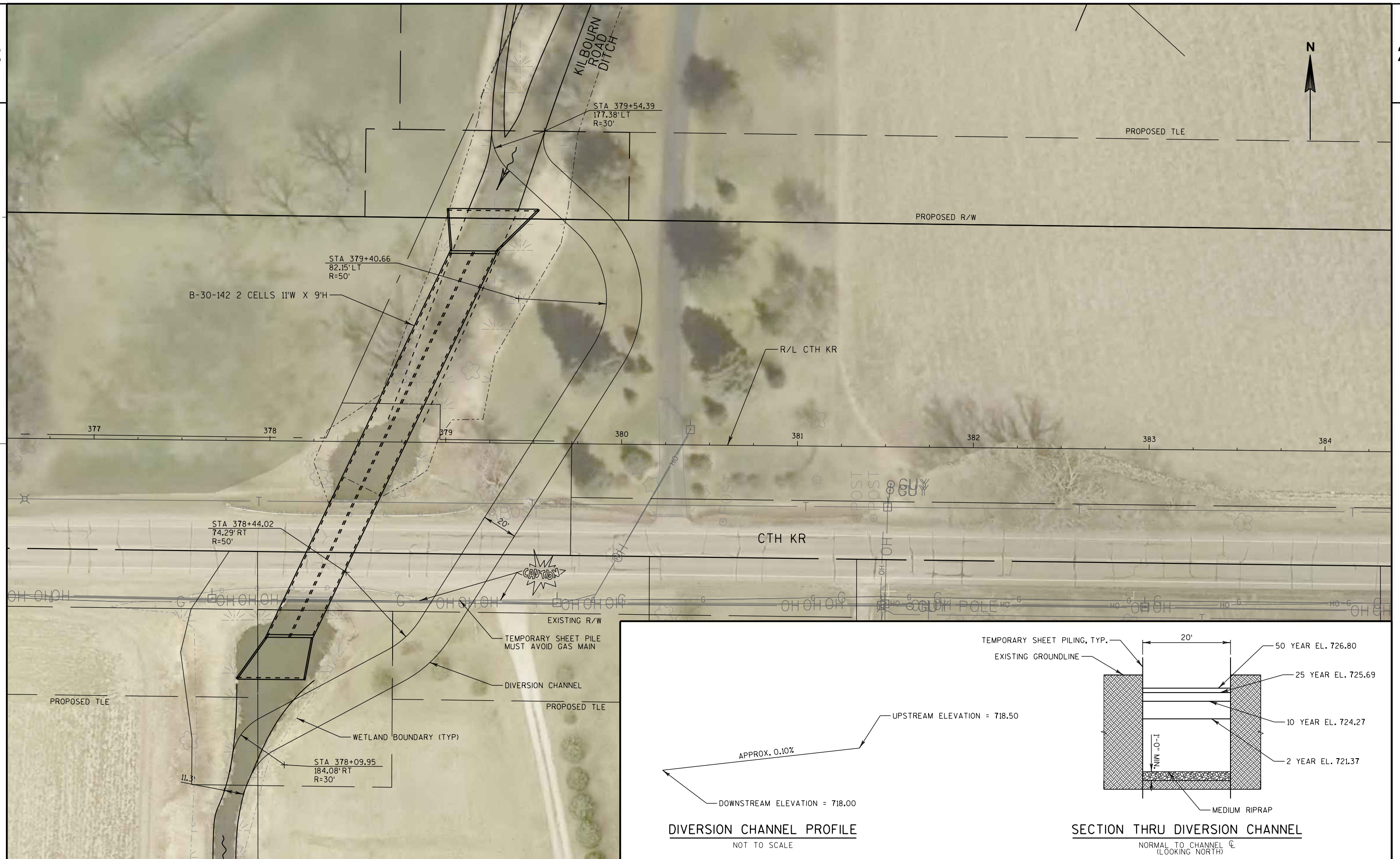
NOTES:

- CONSTRUCT ACCESS ROAD WITHIN DESIGNATED CORRIDOR TO MEET CONSTRUCTION NEEDS. ACCESS ROAD PAID FOR UNDER THE TEMPORARY ACCESS ROAD CULVERT C-51-85 BID ITEM.
- THE CONSTRUCTION ACCESS CORRIDOR AND CONSTRUCTION AREA HAVE BEEN COORDINATED WITH GOVERNMENTAL AGENCIES. REMOVAL OF TREES OR EXCAVATION/FILLING OF WETLANDS OUTSIDE ACCESS CORRIDOR OR CONSTRUCTION AREA IS NOT PERMITTED.
- REMOVAL AND RESTORATION OF CONSTRUCTION ACCESS ROAD PAID FOR UNDER THE TEMPORARY ACCESS ROAD CULVERT C-51-85 BID ITEM.

LEGEND

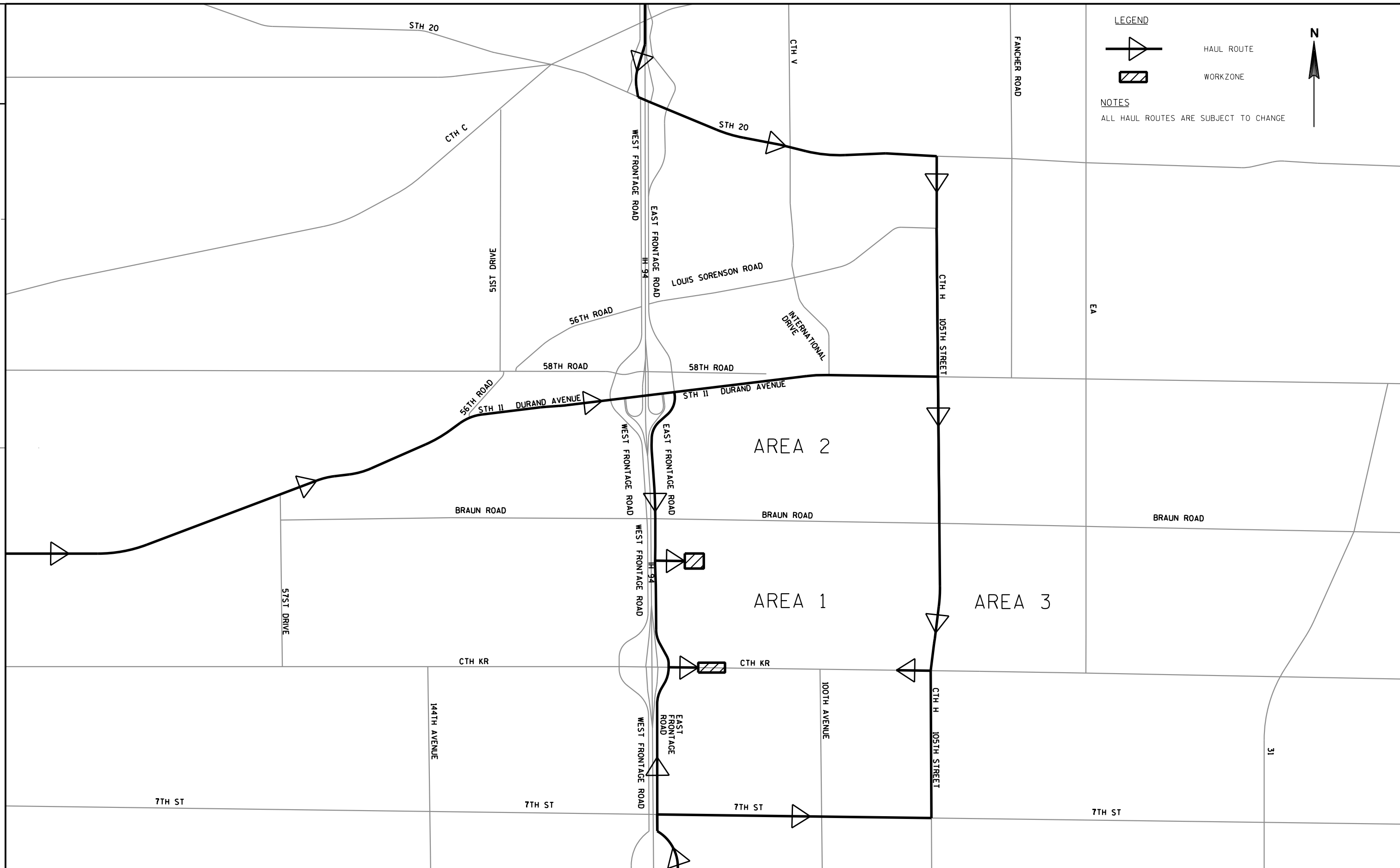
X TREE REMOVAL

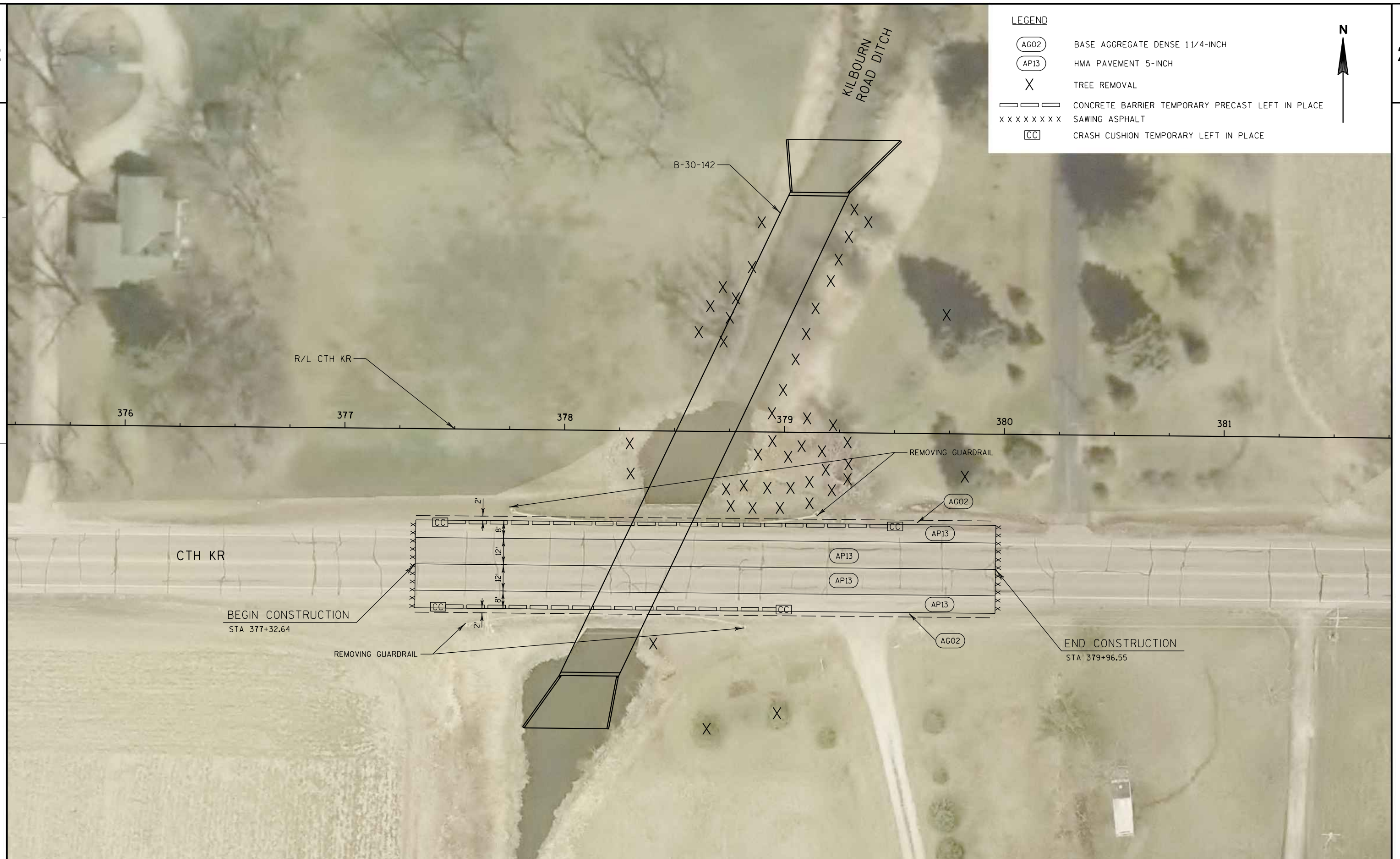




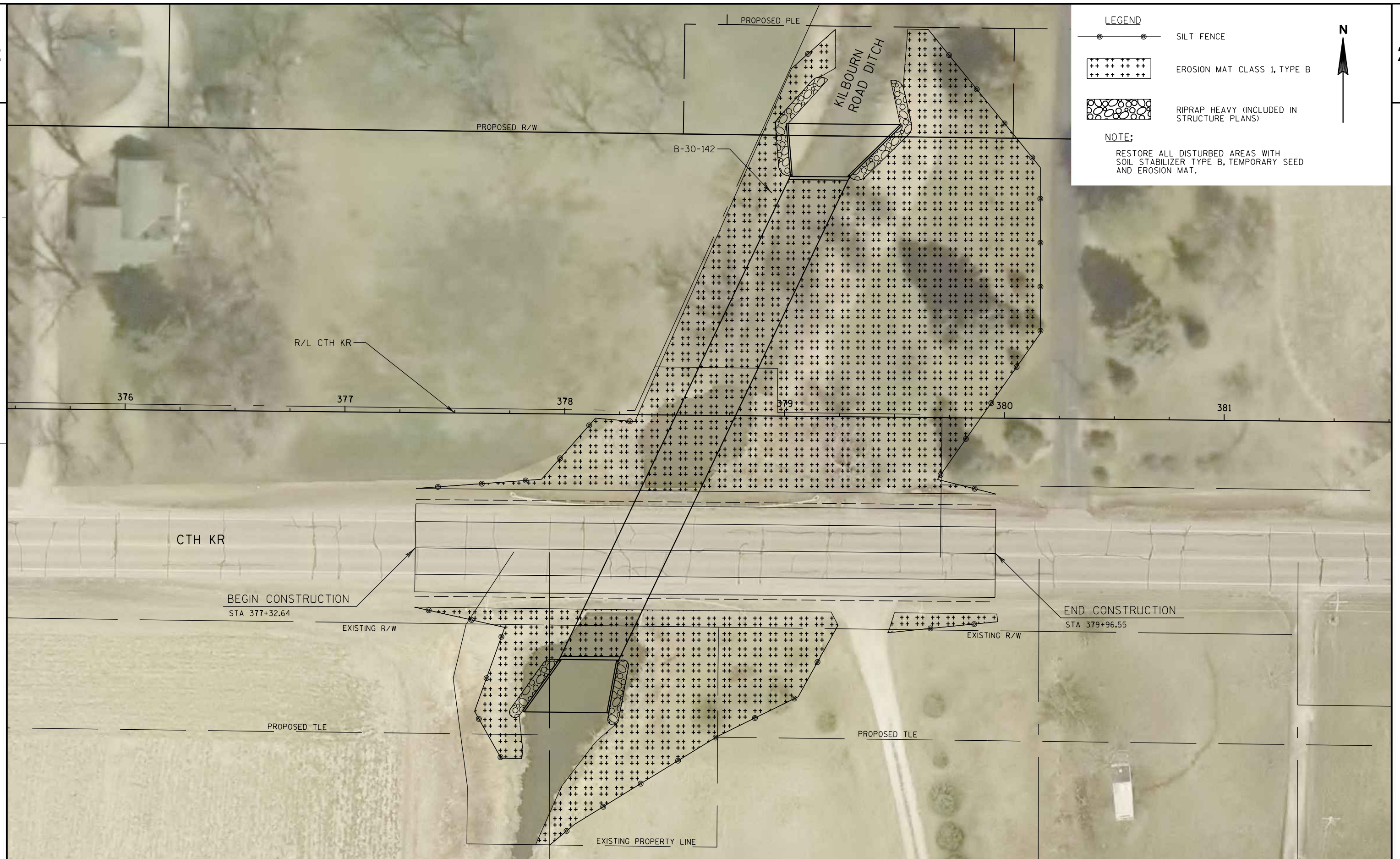
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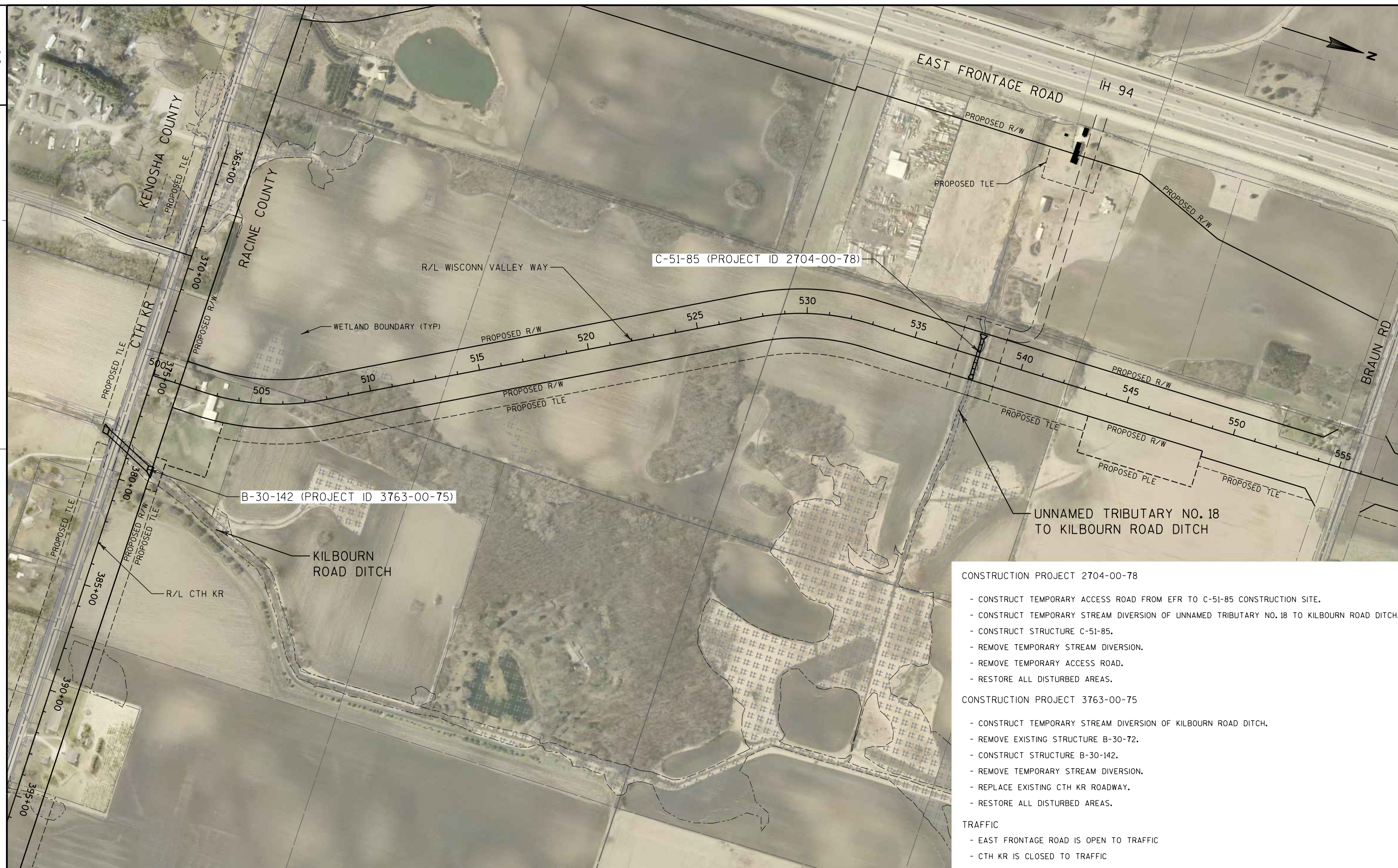
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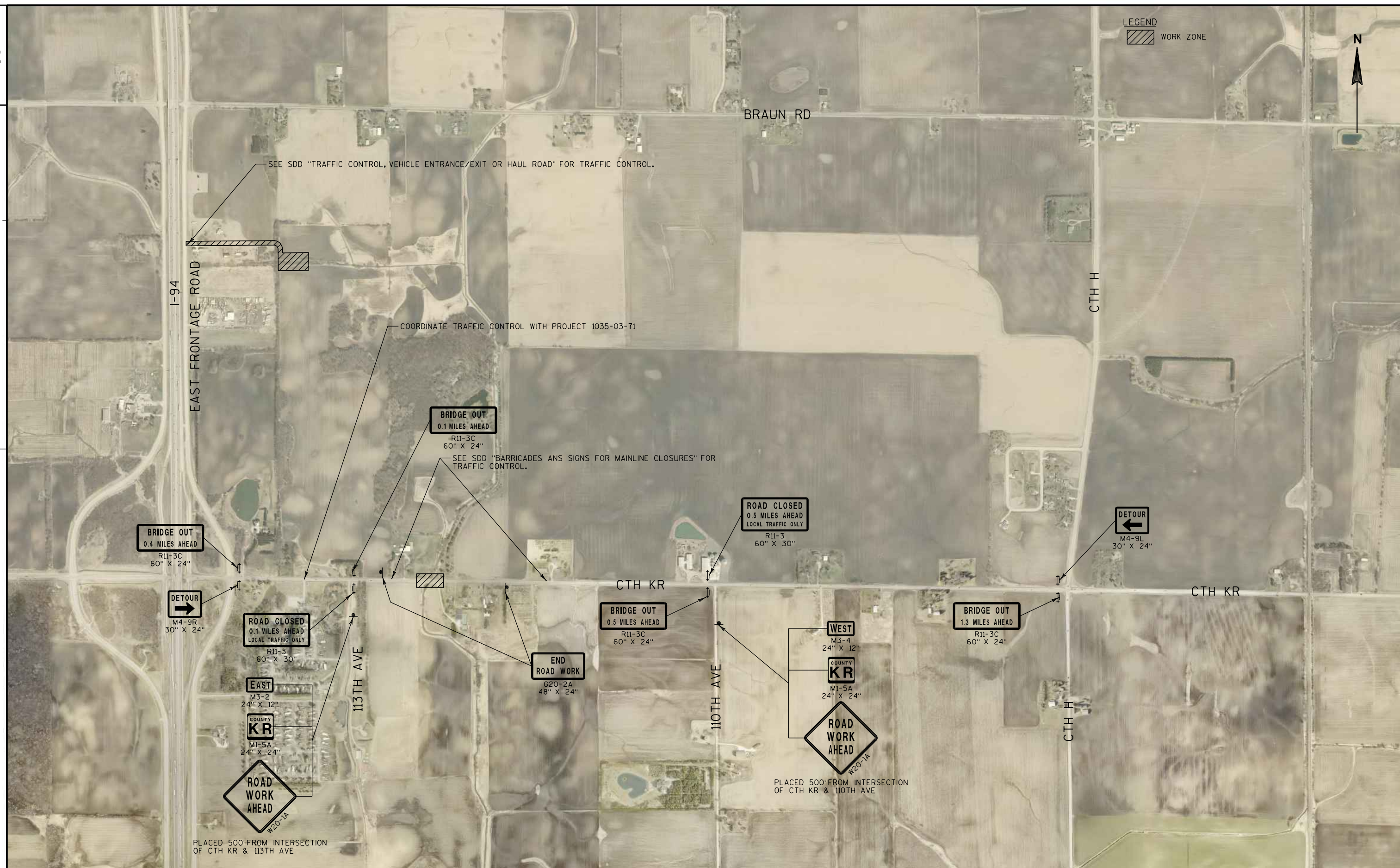


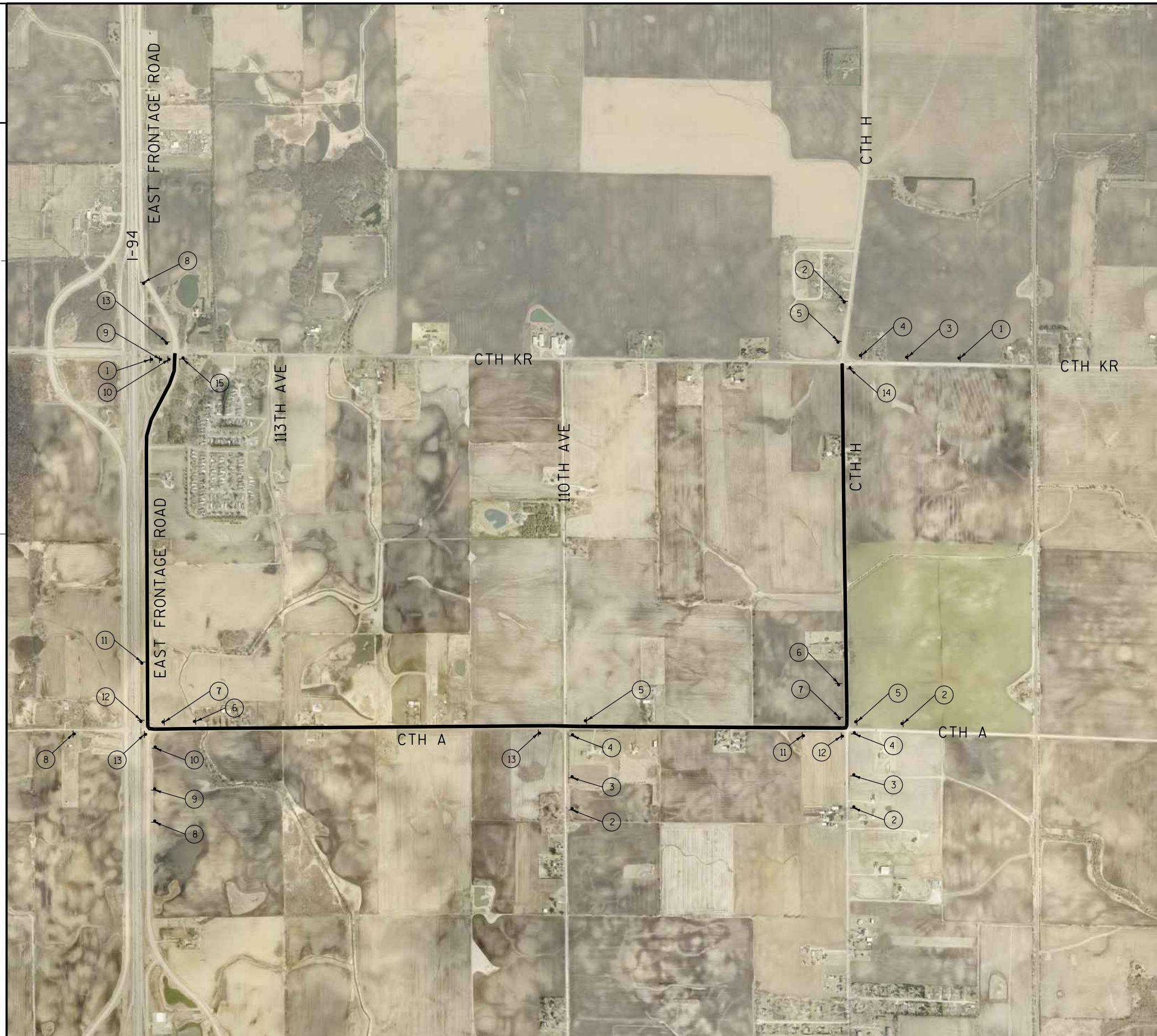












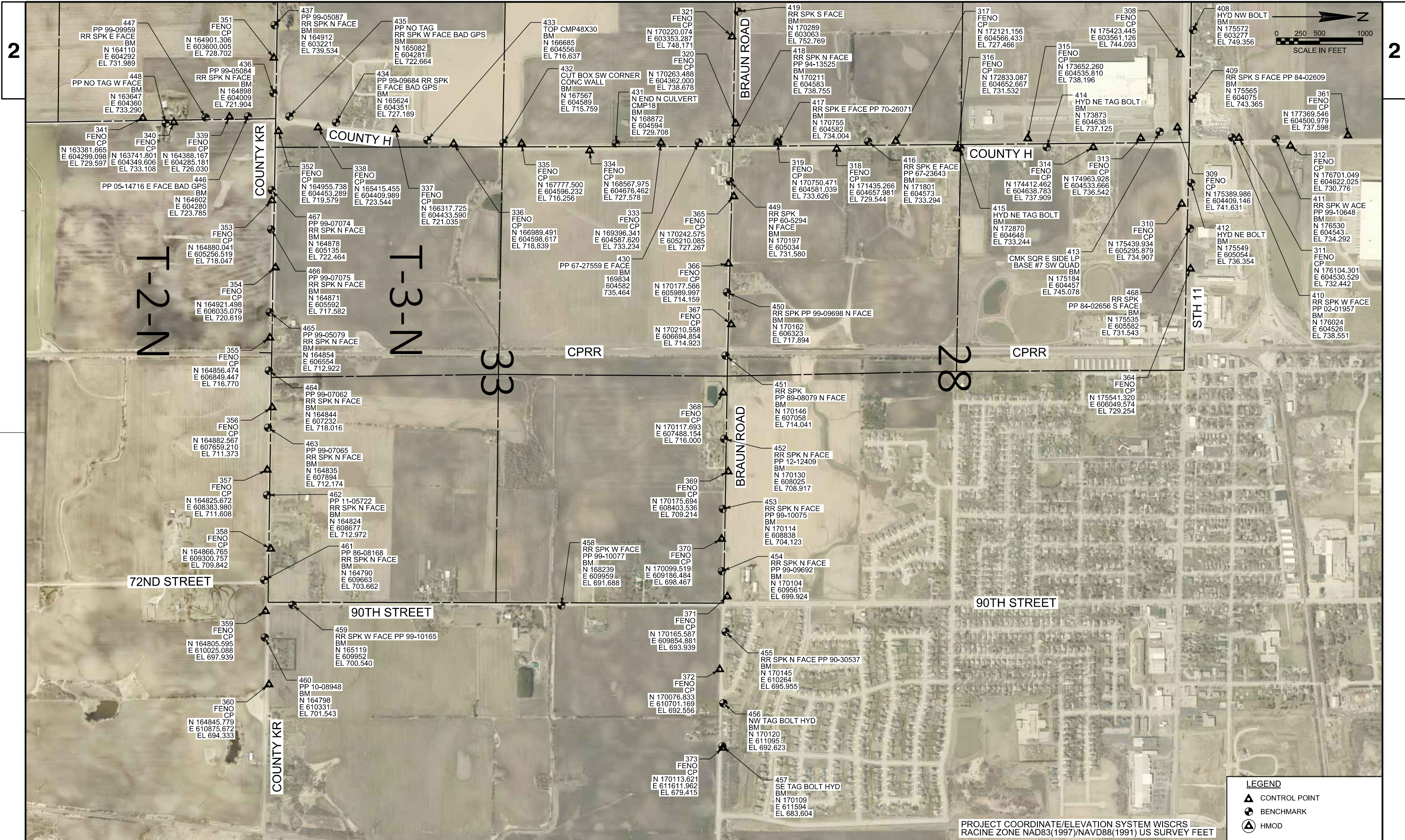
LEGEND

▬ SIGN ON PERMANENT SUPPORT

▬ DETOUR ROUTE



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PROJECT NO: FOXCONN DEVELOPMENT

HWY: VARIES

COUNTY: RACINE

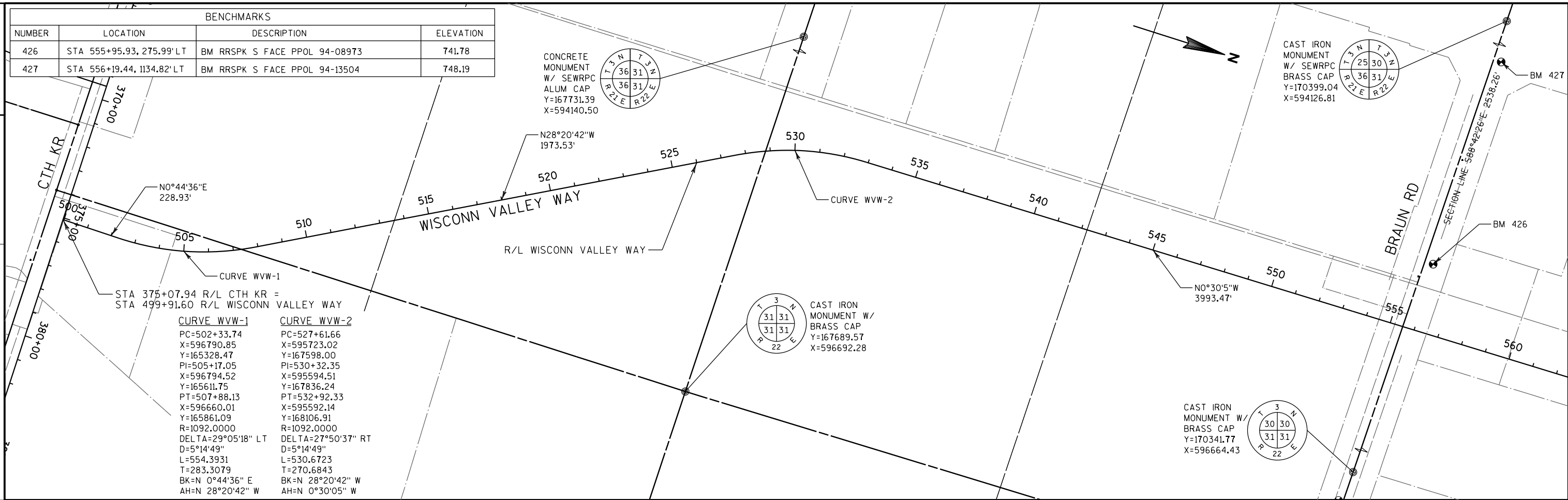
CONTROL AND BENCHMARK OVERVIEW

SHEET

E

2

BENCHMARKS			
NUMBER	LOCATION	DESCRIPTION	ELEVATION
426	STA 555+95.93, 275.99' LT	BM RRSPK S FACE PPOL 94-08973	741.78
427	STA 556+19.44, 1134.82' LT	BM RRSPK S FACE PPOL 94-13504	748.19



2

PROJECT NO: 2704-00-78

HWY: WISCONN ALLEY WAY

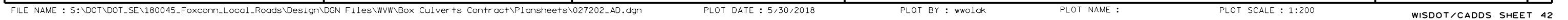
COUNTY: RACINE

ALIGNMENT PLAN

SHEET

E

STA 369+42.98 R/L CTH KR =
STA 15+17.92 R/L 113TH AVE



CLEARING AND GRUBBING

STATION	OFFSET	LOCATION	201.0115	201.0215	201.0120	201.0220
			CLEARING ACRE	GRUBBING ACRE	CLEARING ID	GRUBBING ID
539+75 - 540+35	LT	WVW	0.1	0.1	--	--
540+10	1065' LT	WVW	--	--	15	15
PROJECT 2704-00-78 TOTAL			0.1	0.1	15	15

DRAINTILE

STATION	LF	204.9090.S.001	608.0512	612.0700	SPV.0060.013
		REMOVING DRAINTILE	STORM SEWER PIPE REINFORCED CONCRETE CLASS V 12-INCH	DRAIN TILE EXPLORATION	CONNECT DRAIN TILE EACH
UNDISTRIBUTED	100		100	100	1
PROJECT 2704-00-78 TOTAL	100		100	100	1

REMOVING SMALL PIPE CULVERTS

STATION	OFFSET	LOCATION	203.0100
			REMOVING SMALL PIPE CULVERTS EACH
537+92	RL	WVW	1
PROJECT 2704-00-78 TOTAL			1

FENCE SAFETY

STATION	616.0700.S
	FENCE SAFETY LF
UNDISTRIBUTED	100
PROJECT 2704-00-78 TOTAL	100

MOBILIZATION

LOCATION	619.1000
	MOBILIZATION EACH
PROJECT 2704-00-78	0.3
PROJECT 2704-00-78 TOTAL	0.3

EROSION CONTROL

LOCATION	623.0200	624.0100	628.1104	628.1504	628.1520	628.1905	628.1910	628.2004	628.7560	628.7570	SPV.0060.003	SPV.0060.004
	DUST CONTROL SURFACE TREATMENT SY	WATER MGAL	EROSION BALES EACH	SILT FENCE LF	SILT FENCE MAINTENANCE LF	EROSION CONTROL EACH	MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	EROSION MAT CLASS I TYPE B SY	TRACKING PADS EACH	ROCK BAGS EACH	SAND BAGS EACH	TEMPORARY SEDIMENT TRAPS EACH
C-51-85	--	--	--	965	965	--	--	7,102	--	--	--	--
UNDISTRIBUTED	2,000	25	50	241	241	3	2	1,776	1	50	50	2
PROJECT 2704-00-78 TOTAL	2,000	25	50	1,206	1,206	3	2	8,878	1	50	50	2

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

RESTORATION

	625.0500	628.6510	630.0200
	SALVAGED	SOIL	SEEDING
	TOPSOIL	STABILIZER	TEMPORARY
		TYPE B	
LOCATION	SY	ACRE	LB
C-51-85	7,457	1.54	202
UNDISTRIBUTED	--	0.15	20
PROJECT 2704-00-78 TOTAL	7,457	1.69	222

CONSTRUCTION STAKING

	SPV.0105.001
	SURVEY
	PROJECT ID
	2704-00-78
LOCATION	LS
WVW	1
PROJECT 2704-00-78 TOTAL	1

INCLUDES ALL PROJECT CATEGORIES

TRAFFIC CONTROL

	643.0420	643.0705	643.0900	643.5000
	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC	TRAFFIC
STAGE	BARRICADES	WARNING LIGHTS	CONTROL	CONTROL
DURATION	TYPE III	TYPE A	SIGNS	
LOCATION	DAYS	EACH**	DAY	EACH
WVW	150	2	300	4
		600	5	750
PROJECT 2704-00-78 TOTAL		300	600	750
				0.3

**FOR INFORMATION ONLY

TEMPORARY ACCESS ROAD

		SPV.0105.003
		TEMPORARY
		ACCESS ROAD
		CULVERT C-51-85
STATION	LOCATION	LS
C-51-85	W/VW	1
PROJECT 2704-00-78 TOTAL		1

REMOVAL AND DISPOSAL OF
INVASIVE PLANT SPECIES

	SPV.0170.001
	REMOVAL AND
	DISPOSAL OF
	INVASIVE PLANT
	SPECIES
STATION	STA
UNDISTRIBUTED	1
PROJECT 2704-00-78 TOTAL	1

TEMPORARY STREAM DIVERSION

		SPV.0105.004
		TEMPORARY
		STREAM
		DIVERSION
		CULVERT C-51-85
STATION	LOCATION	LS
C-51-85	WVW	1
PROJECT 2704-00-78 TOTAL		1

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

CLEARING AND GRUBBING

			201.0105	201.0205
			CLEARING	GRUBBING
STATION	OFFSET	LOCATION	STA	STA
378+00 - 380+00	RT	CTH KR	2	2
PROJECT 3763-00-75 TOTAL			2	2

REMOVING GUARDRAIL

			204.0165
			REMOVING
			GUARDRAIL
STATION	OFFSET	LOCATION	LF
377+56 - 378+83	RT	CTH KR	127
377+76 - 379+16	RT	CTH KR	140
PROJECT 3763-00-75 TOTAL			267

DRAINTILE

	204.9090.S.001	608.0512	612.0700	SPV.0060.013
	REMOVING	STORM SEWER PIPE	DRAIN TILE	CONNECT
	DRAINTILE	REINFORCED CONCRETE	EXPLORATION	DRAIN
		CLASS V 12-INCH		TILE
STATION	LF	LF	LF	EACH
UNDISTRIBUTED	100	100	100	1
PROJECT 3763-00-75 TOTAL				
	100	100	100	1

AGGREGATE ITEMS

	305.0120
	BASE
	AGGREGATE
	DENSE
	1 1/4-INCH
LOCATION	TON
CTH KR	870
UNDISTRIBUTED	44
PROJECT 3763-00-75 TOTAL	
	914

PAVEMENT ITEMS

	450.4000	455.0605	465.0105
	HMA COLD	TACK	ASPHALTIC
	WEATHER	COAT	SURFACE
	PAVING		
LOCATION	TON	GAL	TON
CTH KR	353	74	353
PROJECT 3763-00-75 TOTAL			
	353	74	353

FENCE SAFETY

	616.0700.S
	FENCE
	SAFETY
STATION	LF
UNDISTRIBUTED	500
PROJECT 3763-00-75 TOTAL	
	500

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.

PROJECT NUMBER: 3763-00-75	HWY: CTH KR	COUNTY: KENOSHA & RACINE	MISCELLANEOUS QUANTITIES	SHEET NO:	E
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EROSION CONTROL												
	623.0200	624.0100	628.1104	628.1504	628.1520	628.1905	628.1910	628.2004	628.7560	628.7570	SPV.0060.003	SPV.0060.004
	DUST CONTROL	WATER	EROSION	SILT	SILT FENCE	MOBILIZATIONS	MOBILIZATIONS	EROSION MAT	TRACKING	ROCK	SAND	TEMPORARY
	SURFACE		BALES	FENCE	MAINTENANCE	EROSION	EMERGENCY	CLASS I	PADS	BAGS	BAGS	SEDIMENT
	TREATMENT					CONTROL	EROSION CONTROL	TYPE B				TRAPS
LOCATION	SY	MGAL	EACH	LF	LF	EACH	EACH	SY	EACH	EACH	EACH	EACH
B-30-142	--	--	--	705	705	--	--	3,896	--	--	--	--
UNDISTRIBUTED	1,500	25	50	176	176	3	2	974	1	50	50	2
PROJECT 3763-00-75 TOTAL	1,500	25	50	881	881	3	2	4,870	1	50	50	2

MOBILIZATION	
	619.1000
	MOBILIZATION
LOCATION	EACH
PROJECT 3763-00-75	0.7
PROJECT 3763-00-75 TOTAL	0.7

TRAFFIC CONTROL											
	643.0420	643.0705	643.0900	643.0920	643.1050	643.5000					
	TRAFFIC CONTROL	TRAFFIC CONTROL	TRAFFIC	TRAFFIC CONTROL	TRAFFIC	TRAFFIC					
	BARRICADES	WARNING LIGHTS	CONTROL	COVERING SIGNS	CONTROL	CONTROL					
	TYPE III	TYPE A	SIGNS	TYPE II	SIGNS PCMS						
LOCATION	DAYS	EACH**	DAY	EACH**	DAY	EACH**	DAY	EACH	EACH**	DAY	EACH
CTH KR	150	18	2,700	36	5,400	149	22,350	5	2	14	0.7
PROJECT 3763-00-75 TOTAL			2,700		5,400		22,350	5		14	0.7

**FOR INFORMATION ONLY

RESTORATION			
	625.0500	628.6510	630.0200
	SALVAGED	SOIL	SEEDING
	TOPSOIL	STABILIZER	TEMPORARY
		TYPE B	
LOCATION	SY	ACRE	LB
B-30-142	4,091	0.85	110
UNDISTRIBUTED	--	0.09	11
PROJECT 3763-00-75 TOTAL	4,091	0.94	121

PAVEMENT MARKINGS					
STATION	OFFSET	LOCATION	WHITE LF	YELLOW LF	
22+00 - 25+08	LT	CTH KR	265	--	
22+00 - 25+28	RL	CTH KR	0	530	DOUBLE
436+35 - 439+85	RT	CTH KR	265	--	
			530	530	
PROJECT 3763-00-75 TOTAL			1060		

SAWCUTS

690.0150			
SAWING			
ASPHALT			
STATION	OFFSET	LOCATION	LF
377+32	RL	CTH KR	24
379+97	RL	CTH KR	24
PROJECT 3763-00-75 TOTAL			48

CONSTRUCTION STAKING

SPV.0105.002	
SURVEY	
PROJECT ID	
3763-00-75	
LOCATION	LS
CTH KR	1
PROJECT 3763-00-75 TOTAL	
1	

INCLUDES ALL PROJECT CATEGORIES

TEMPORARY STREAM DIVERSION

SPV.0105.005		
TEMPORARY		
STREAM		
DIVERSION		
CULVERT B-30-142		
STATION	LOCATION	LS
B-30-142	WVW	1
PROJECT 3763-00-75 TOTAL		1

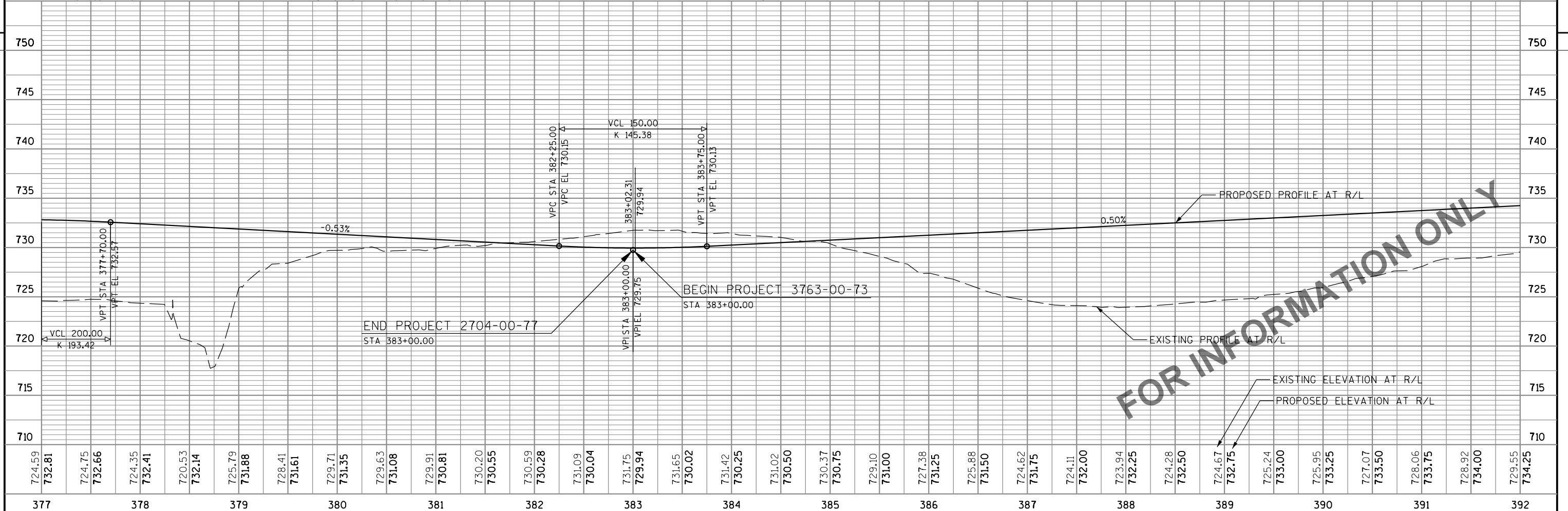
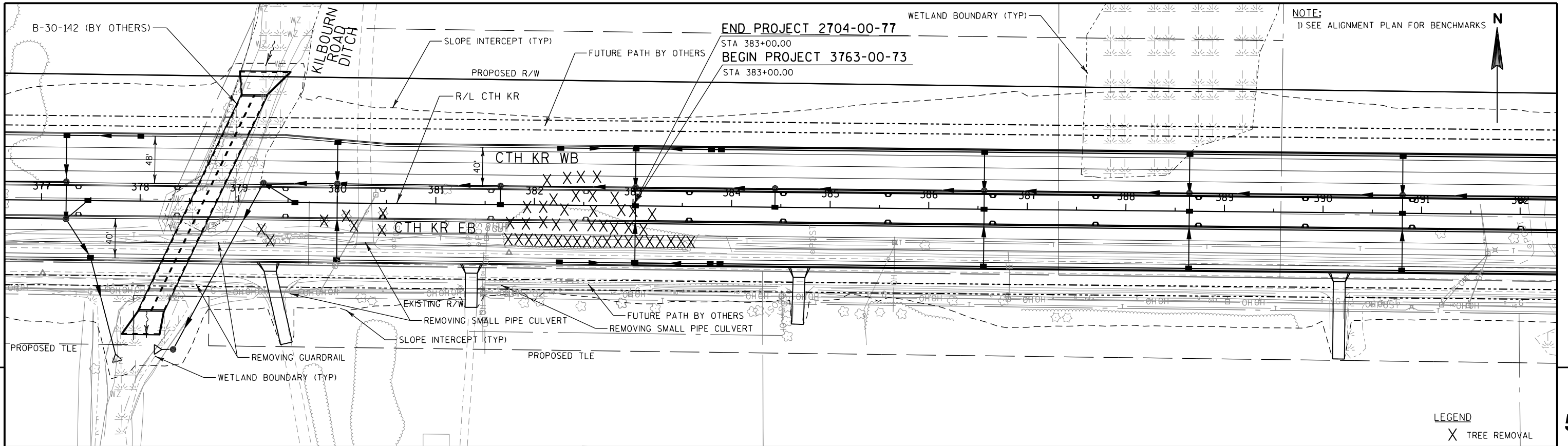
REMOVAL AND DISPOSAL OF
INVASIVE PLANT SPECIES

SPV.0170.001	
REMOVAL AND	
DISPOSAL OF	
INVASIVE PLANT	
SPECIES	
STATION	STA
UNDISTRIBUTED	1
PROJECT 3763-00-75 TOTAL	
1	

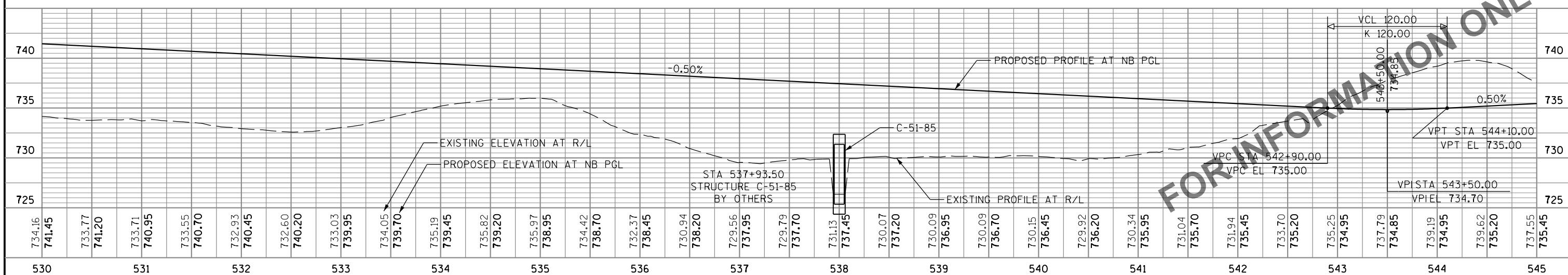
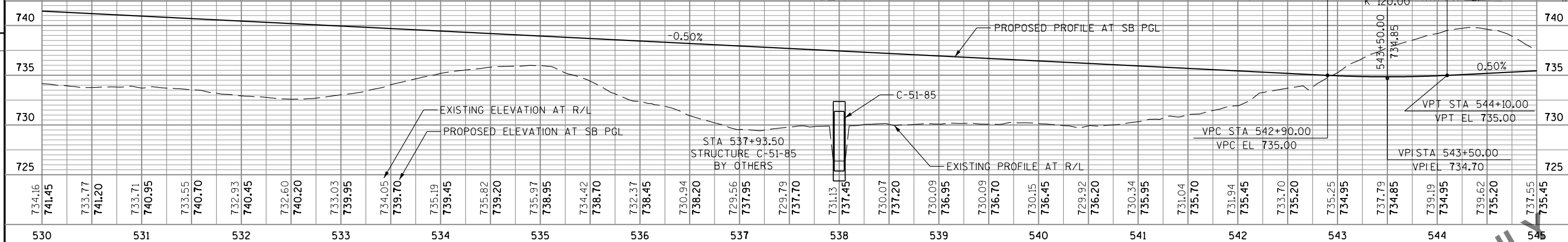
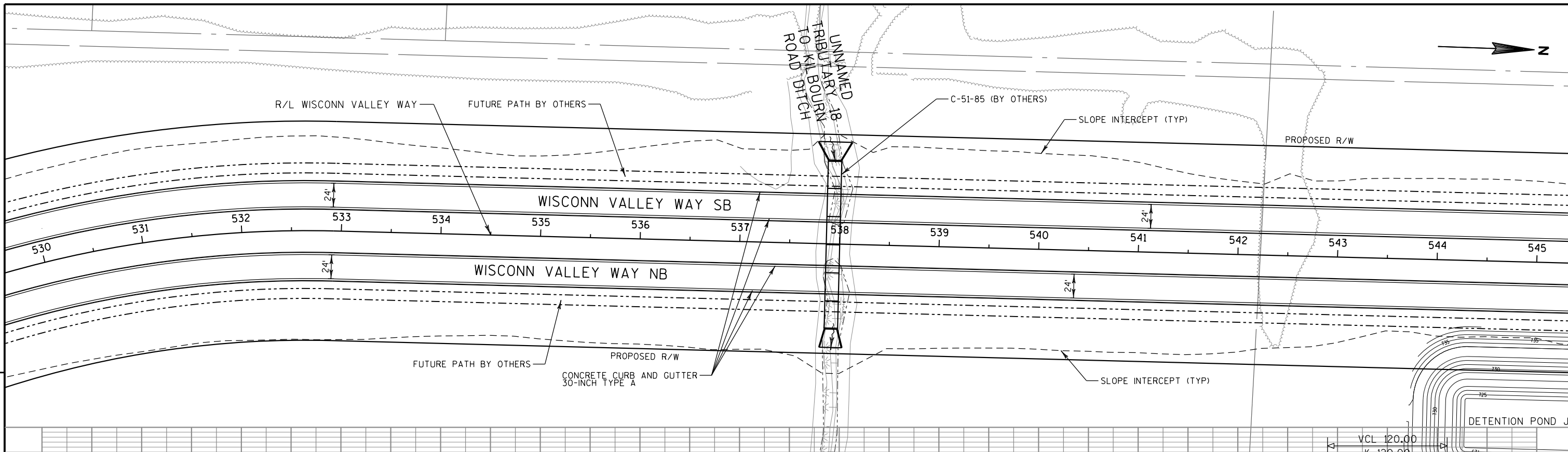
TEMPORARY BARRIER LEFT IN PLACE

SPV.0090.001			SPV.0060.001							
CONCRETE BARRIER			CRASH CUSHION							
TEMPORARY PRECAST			TEMPORARY							
DELIVERED SPECIAL			LEFT IN PLACE			BACK	OBJECT	CRASH	TRAFFIC	CRASH
						WIDTH	MARKING	TEST	DIRECTION	CUSHION
							PATTERN	LEVEL	LOCATION	SHIELDS
STATION		LOCATION	LF	EACH	LF					
377+50		80.5' LT CTK KR	--	1	2		OM-3R	TL-3	L	TEMPORARY BARRIER
377+50		40.5' LT CTK KR	--	1	2		OM-3R	TL-3	R	TEMPORARY BARRIER
377+50	- 379+50	80.5' LT CTK KR	200	--	--		--	--	--	--
377+50	- 379+50	40.5' LT CTK KR	200	--	--		--	--	--	--
379+50		80.5' LT CTK KR	--	1	2		OM-3R	TL-3	L	TEMPORARY BARRIER
379+50		40.5'LT CTK KR	--	1	2		OM-3R	TL-3	R	TEMPORARY BARRIER
PROJECT 3763-00-75 TOTAL			400	4						

ALL ITEMS ARE CATEGORY 1000 UNLESS OTHERWISE SPECIFIED.



PROJECT NO: 2704-00-77	HWY: CTH KR	COUNTY: RACINE	PLAN AND PROFILE: CTH KR	SHEET	E
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PROJECT NO: 2704-00-76	HWY: WISCONN VALLEY WAY	COUNTY: RACINE	PLAN AND PROFILE: WISCONN VALLEY WAY	SHEET	E
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DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
 INVENTORY RATING FACTOR: RF = 1.05
 OPERATING RATING FACTOR: RF = 1.35
 WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 255 KIPS

EARTH LOAD:

DESIGNED FOR FILL HEIGHT RANGE OF 2 TO 8 FEET

MATERIAL PROPERTIES:

CONCRETE MASONRY: f'c = 3,500 psi
 SUBSTRUCTURE
 BAR STEEL REINFORCEMENT fy = 60,000 psi

HYDRAULIC DATA:

100 YEAR FREQUENCY 5.42 SQ. MI.
 DRAINAGE AREA 2.37 F.P.S.
 VELOCITY 228 SQ. FT.
 WATERWAY AREA 541 C.F.S.
 Q (100) 725.62 FT.
 HIGH WATER (100) ELEVATION NA
 ROADWAY OVERTOPPING 8
 SCOUR CODE
 2 YEAR FREQUENCY 155 C.F.S.
 Q (2) 724.14 FT.
 HIGH WATER (2) ELEVATION 0.83 F.P.S.
 VELOCITY 0.83 F.P.S.

LEGEND

- ← DIRECTION OF TRAFFIC
 (X) WINGWALL NUMBER
 ● 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING UP WALLS & ACROSS TOP SLAB
 ☆ CONSTRUCTION FEATURES DURING INTERIM PERIOD

TRAFFIC DATA

CTH KR

AADT = 5,100 (2011)
 AADT = 6,860 (2020)
 AADT = 15,250 (2040)
 RDS = 50 MPH

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, GENERAL NOTES & PROFILES
3. SUBSURFACE EXPLORATION
4. RIPRAP LIMITS
5. BOX CULVERT DETAILS (1 OF 3)
6. BOX CULVERT DETAILS (2 OF 3)
7. BOX CULVERT DETAILS (3 OF 3)
8. INLET APRON DETAILS (1 OF 2)
9. INLET APRON DETAILS (2 OF 2)
10. OUTLET APRON DETAILS (1 OF 2)
11. OUTLET APRON DETAILS (2 OF 2)

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
 WILLIAM DREHER (608) 266-8489
 CONSULTANT:
 MOHAMMED ZAGLOUL (414) 751-7200

NO.	DATE	REVISION	BY
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ORIGINAL PLANS PREPARED BY
KAPUR & ASSOCIATES
 CONSULTING ENGINEERS
 414.751.7200

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

ACCEPTED _____
 CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-30-142

CTH KR OVER KILBOURN ROAD DITCH CULVERT

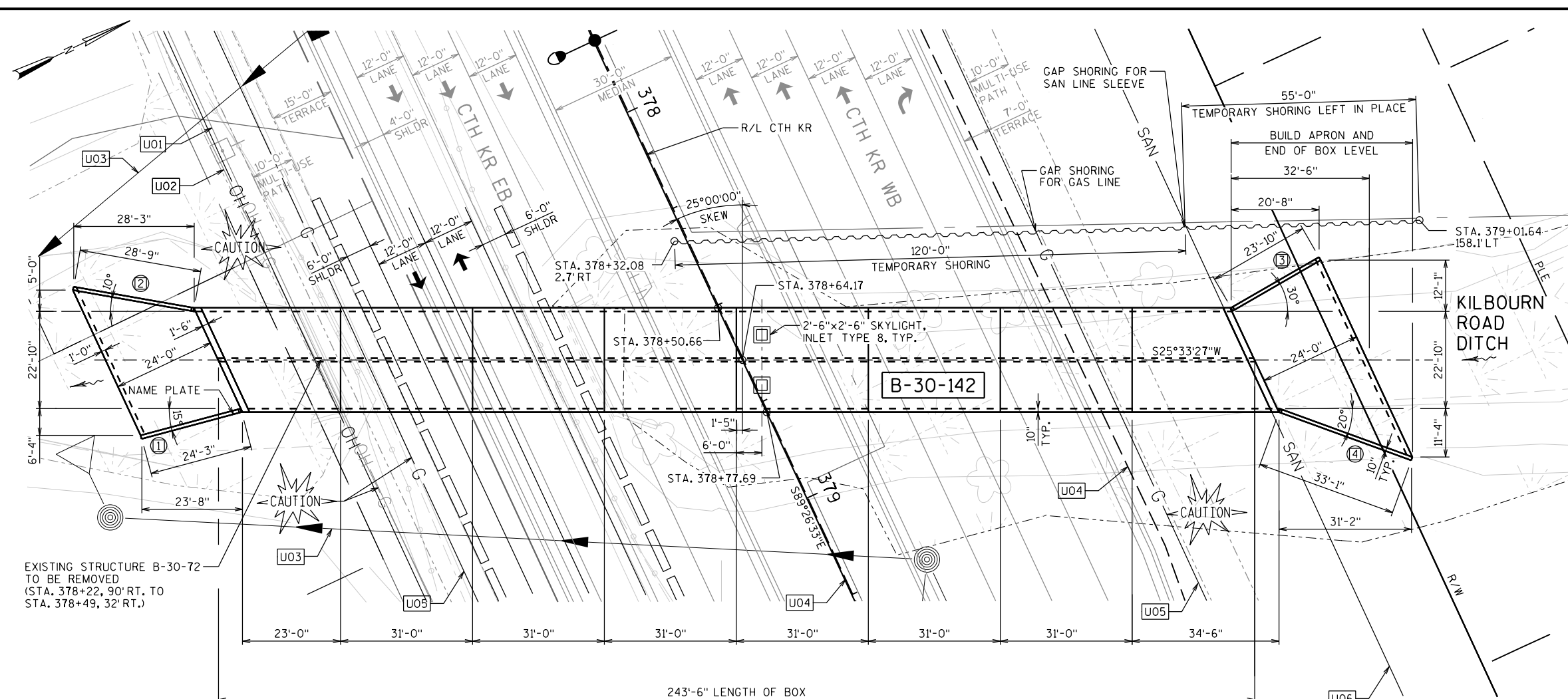
COUNTY RACINE/KENOSHA VILLAGE MT. PLEASANT

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY SMC DESIGN CK'D. MHZ DRAWN BY MM PLANS CK'D. MHZ

GENERAL PLAN & ELEVATION

SHEET 1 OF 11

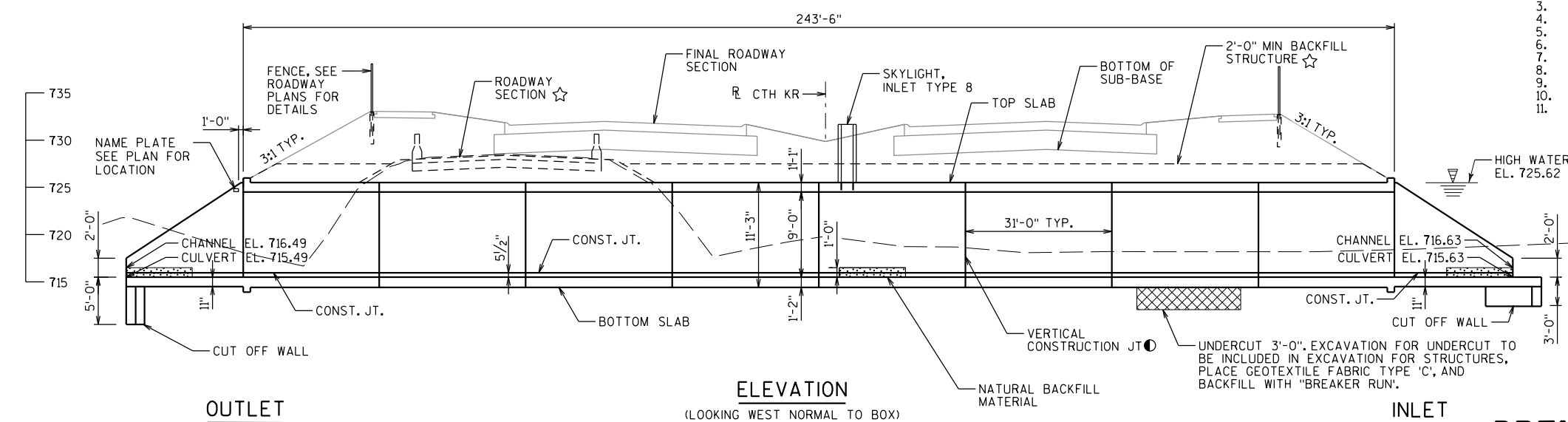


PLAN

TWO CELL CONCRETE BOX CULVERT

UTILITY NOTES:

- U01 EXISTING OVERHEAD ELECTRIC & COMMUNICATIONS LINE TO REMAIN
 U02 EXISTING WE ENERGIES GAS LINE TO BE DISCONTINUED IN PLACE
 U03 PROPOSED MT. PLEASANT STORM SEWER
 U04 PROPOSED MT. PLEASANT BURIED ELECTRIC LINE
 U05 PROPOSED WE ENERGIES HIGH PRESSURE GAS LINE
 U06 PROPOSED MT. PLEASANT SANITARY SEWER



ELEVATION

(LOOKING WEST NORMAL TO BOX)

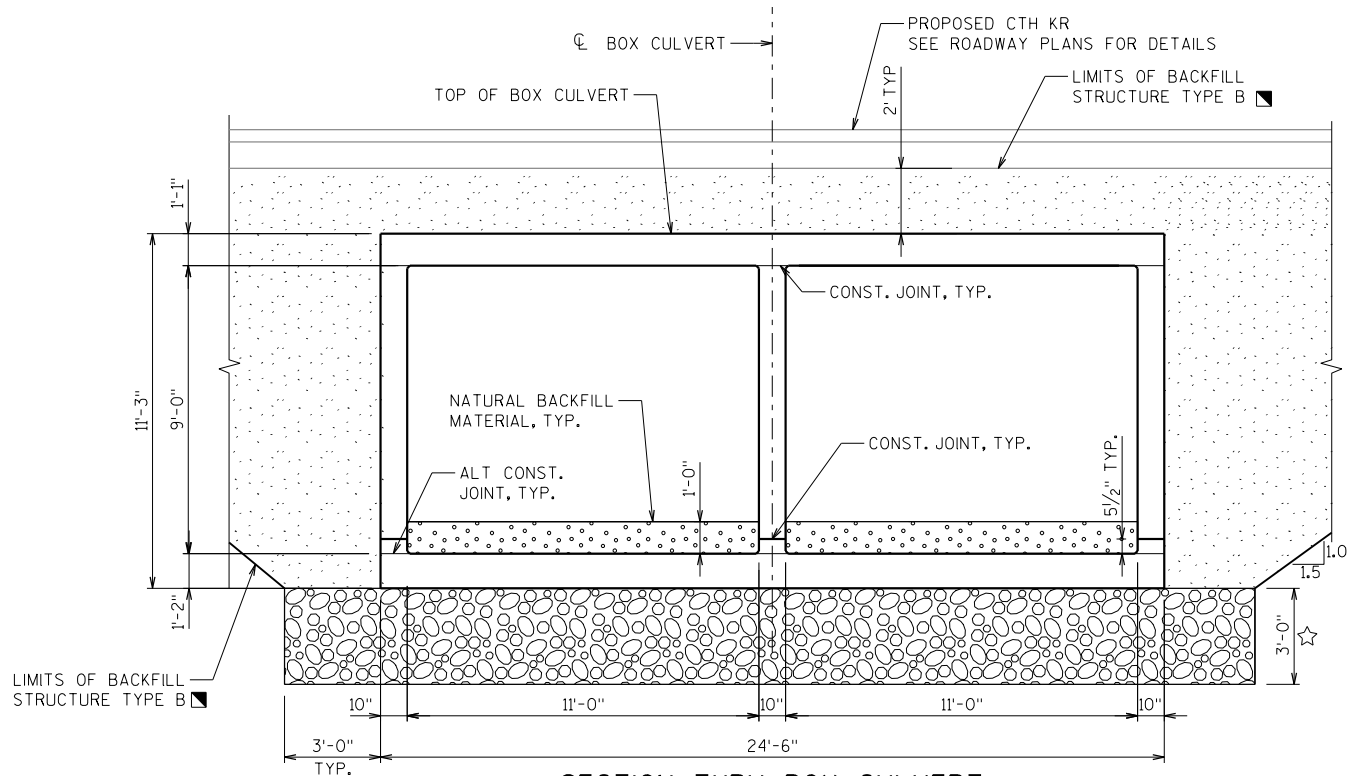
INLET

PRELIMINARY PLANS

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	SOUTH WINGS	CULVERT BOX	NORTH WINGS	TOTAL
203.0200.002	REMOVING OLD STRUCTURE STA. 378+36	LS				
206.2000.002	EXCAVATION FOR STRUCTURES CULVERTS (B-30-142)	LS				
210.2500	BACKFILL STRUCTURE TYPE B	TON				
311.0110	BREAKER RUN	TON				
504.0100	CONCRETE MASONRY CULVERTS	CY				
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB				
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB				
511.1200	TEMPORARY SHORING (B-30-142)	SF				
511.2200	TEMPORARY SHORING LEFT IN PLACE (B-30-142)	SF				
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY				
606.0300	RIPRAP HEAVY	CY				
645.0105	GEOTEXTILE TYPE C	SY				
645.0120	GEOTEXTILE TYPE HR	SY				
SPV.0035.001	NATURAL BACKFILL MATERIAL	CY				
	NON-BID ITEMS					
	NAME PLATE	EACH				
	PREFORMED FILLER	SIZE				

ALL ITEMS ARE CATEGORY XXXX



SECTION THRU BOX CULVERT

NORMAL TO BOX CULVERT ☼
(LOOKING NORTH)

BENCH MARKS

NO.	LOCATION		ELEVATION	DESCRIPTION
343	N=165051.230	E=597053.276	727.362	BM FENO WITH ALUM CAP
444	N=164996	E=597429	731.300	BM PPOL 99-09984 RR SPIKE IN FACE
445	N=165005	E=596641	729.694	BM PPOL 99-09986 RR SPIKE IN FACE

GENERAL NOTES

DESIGN IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 7TH EDITION, 2014 WITH ALL INTERIM REVISIONS THROUGH 2016, UNLESS OTHERWISE NOTED.

THE EXISTING STRUCTURE B-30-72 IS 11' WIDE BY 8' HIGH OPENING BY 62' LONG TWIN CELL CONCRETE BOX CULVERT, WITH WINGWALLS ALL FOUR CORNERS. ALL INFORMATION ON THIS EXISTING STRUCTURE WAS TAKEN FROM EXISTING PLANS DATED 1989.

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE. ALL BAR STEEL REINFORCEMENT ARE ENGLISH DESIGNATION.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY ZONE, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. THE UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

NAME PLATE SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "CONCRETE MASONRY CULVERTS". REFER TO S.O.O. "NAME PLATE (STRUCTURES)" FOR NAME PLATE DETAILS.

TEMPORARY WATER WAY TO BE PROVIDED DURING CONSTRUCTION. SEE ROADWAYS PLANS. BID ITEM "TEMPORARY STREAM DIVERSION" IS A ROADWAY ITEM.

TEMPORARY SHORING PLACED ALONG PRIVATE PROPERTY LINE ON WEST SIDE OF CULVERT TO PROVIDE ROOM FOR EXCAVATION AND CONSTRUCTION ACCESS WITHOUT ENCROACHING ON THE PROPERTY. TEMPORARY SHORING TO BE LEFT IN PLACE WHERE THERE IS NOT ENOUGH ROOM TO GRADE BACK TO EXISTING GROUND BETWEEN CULVERT AND PRIVATE PROPERTY.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE OR BREAKER RUN SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE B TO THE ELEVATION SHOWN IN THE SECTION THRU BOX CULVERT. FILL ABOVE THE BACKFILL IS INCLUDED IN THE EARTHWORK QUANTITIES IN THE ROAD PLANS.

BACKFILL PAY LIMITS. BACKFILL TO BOTTOM OF ROADWAY SUBGRADE OR A MINIMUM OF 2 FEET. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

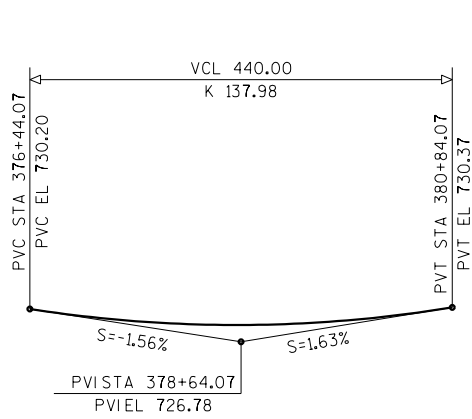
UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS (B-30-142)" SHALL BE THE EXISTING GROUND LINE OR EXISTING STREAM BED.

UNDERCUT 3'-0". EXCAVATION FOR UNDERCUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

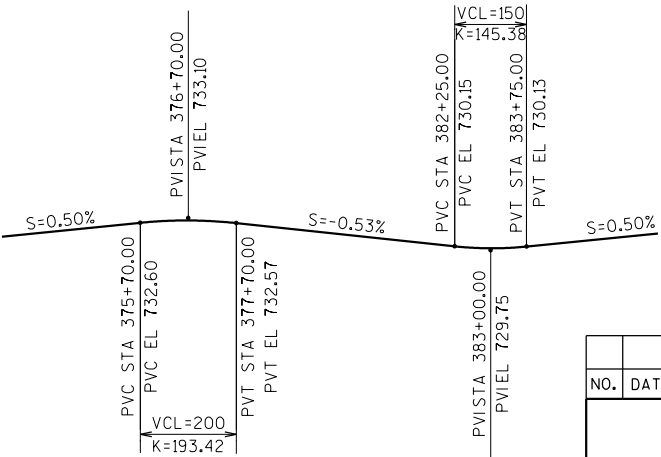
THE CONCRETE IN THE CUT OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED. THE ALTERNATE CUT OFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALL QUANTITIES AND BID PRICES.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 36 OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL AND ITS CORRESPONDING STANDARDS. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

INLET TYPE 8 PAID FOR AS "CONCRETE MASONRY CULVERTS" AND "BAR STEEL REINFORCEMENT HS STRUCTURES". INLET COVERS TYPE MS ARE INCLUDED IN ROADWAY ITEMS. SEE ROADWAY PLANS.



INTERIM PROFILE AT C/L CTH KR



FUTURE PROFILE AT R/L CTH KR

PRELIMINARY PLANS

STATE PROJECT NUMBER			
3763-00-75			
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-30-142			
DRAWN BY		MM	PLANS CK'D. MHZ
QUANTITIES, GENERAL NOTES & PROFILES			SHEET 2 OF 11

TRAFFIC DATA

WISCONN VALLEY WAY

AADT = 4,095 (2020)
 AADT = 9,615 (2030)
 AADT = 14,075 (2040)
 RDS = 40 MPH

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
 INVENTORY RATING FACTOR: RF = 1.05
 OPERATING RATING FACTOR: RF = 1.35
 WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 255 KIPS

EARTH LOAD:

DESIGNED FOR FILL HEIGHT RANGE OF 3.5 TO 5.0 FEET

MATERIAL PROPERTIES:

CONCRETE MASONRY: f'c = 3,500 psi
 BAR STEEL REINFORCEMENT fy = 60,000 psi

HYDRAULIC DATA:

100 YEAR FREQUENCY
 DRAINAGE AREA 2.08 SQ. MI.
 VELOCITY 8.53 F.P.S.
 WATERWAY AREA 64 SQ. FT.
 Q (100) 542 C.F.S. (DES)

HIGH WATER (100) ELEVATION 733.85 FT. (DES)

ROADWAY OVERTOPPING NA
 SCOUR CODE 8

2 YEAR FREQUENCY
 Q (2) 117 C.F.S.
 HIGH WATER (2) ELEVATION 730.02 FT.
 VELOCITY 3.42 F.P.S.

UTILITY NOTES:

- U01 PROPOSED MT. PLEASANT 21" SANITARY SEWER,
 INVERT ELEVATION TO BE DETERMINED
- U02 PROPOSED WE ENERGIES 12" HIGH-PRESSURE GAS MAIN,
 INVERT ELEVATION TO BE DETERMINED
- U03 PROPOSED WE ENERGIES 6" GAS MAIN,
 INVERT ELEVATION TO BE DETERMINED
- U04 PROPOSED MT. PLEASANT LIGHTING
- U05 PROPOSED MT. PLEASANT 24" STORM SEWER,
 INV. EL. 727.27
- U06 PROPOSED MT. PLEASANT 19" X 30" STORM SEWER,
 INV. EL. 726.41

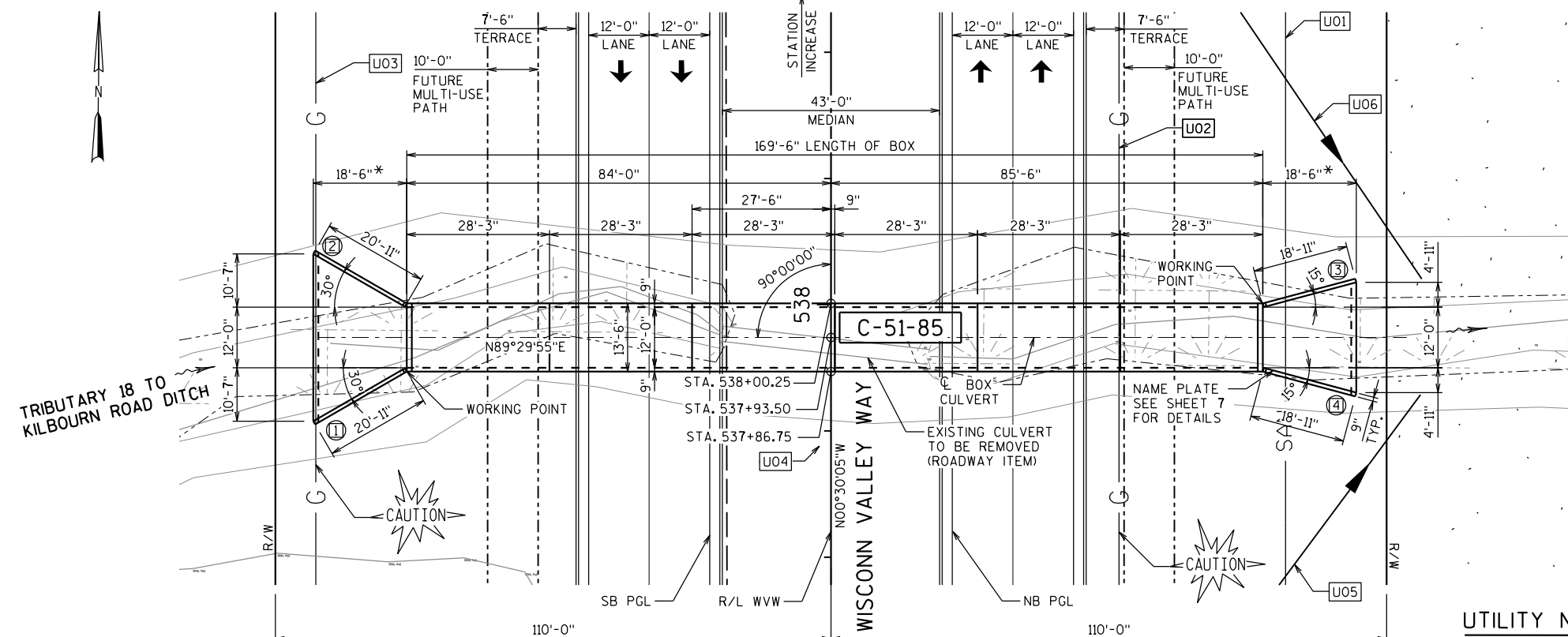
LEGEND

- DIRECTION OF TRAFFIC
- ⊗ WINGWALL NUMBER
- 18" MIN. WIDTH RUBBERIZED MEMBRANE
 WATERPROOFING UP WALLS & ACROSS TOP SLAB
- * BUILD APRONS & END OF BOX LEVEL

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
 WILLIAM DREHER (608) 266-8489
 CONSULTANT:
 MOHAMMED ZAGLOUL (414) 751-7200

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY			
			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ DATE _____ CHIEF STRUCTURES DESIGN ENGINEER			
STRUCTURE C-51-85			
WISCONN VALLEY WAY OVER TRIB. 18 KILBOURN RD DITCH			
COUNTY	RACINE	VILLAGE	MT. PLEASANT
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	AJA	DESIGN CK'D.	MHZ
DRAWN BY	MM	PLANS CK'D.	MHZ
GENERAL PLAN & ELEVATION			SHEET 1 OF 9

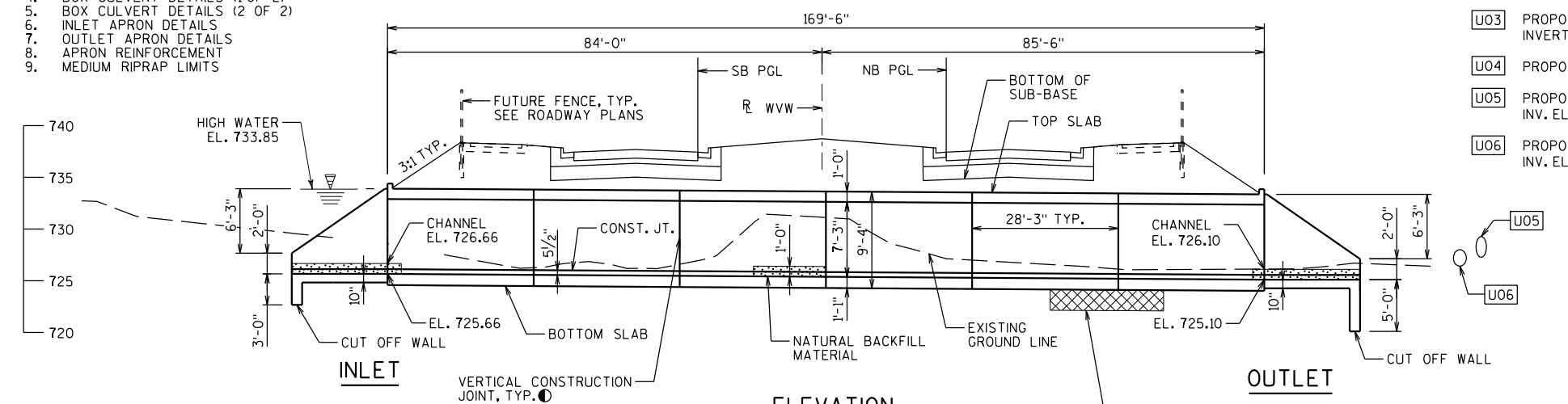


LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES, GENERAL NOTES & PROFILES
3. SUBSURFACE EXPLORATION
4. BOX CULVERT DETAILS (1 OF 2)
5. BOX CULVERT DETAILS (2 OF 2)
6. INLET APRON DETAILS
7. OUTLET APRON DETAILS
8. APRON REINFORCEMENT
9. MEDIUM RIPRAP LIMITS

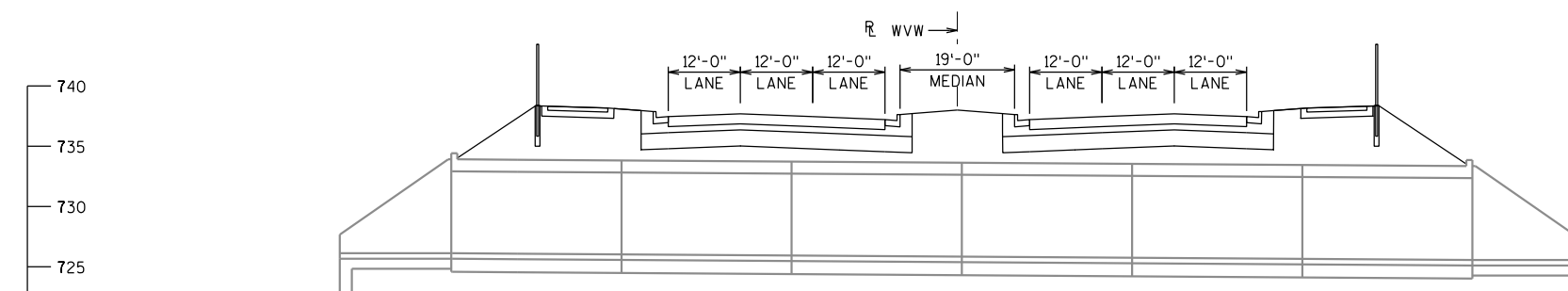
PLAN

(SINGLE CELL CONCRETE BOX CULVERT)
 (MEDIUM RIPRAP LIMITS NOT SHOWN FOR CLARITY, SEE 9 FOR MEDIUM RIPRAP LIMITS)



ELEVATION

(LOOKING NORTH NORMAL TO BOX)



ELEVATION

(LOOKING NORTH NORMAL TO BOX)
 (ULTIMATE ROADWAY SHOWN)



GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFY THE BAR SIZE. ALL BAR STEEL REINFORCEMENT ARE ENGLISH DESIGNATION.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY ZONE, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (2007).

THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. THE UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

NAME PLATE SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "CONCRETE MASONRY CULVERTS". REFER TO S.O.O. "NAME PLATE (STRUCTURES)" FOR NAME PLATE DETAILS.

SEE ROADWAY PLANS FOR TEMPORARY DIVERSION OF WATERWAY.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE OR BREAKER RUN SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE B TO THE ELEVATION SHOWN IN THE SECTION THRU BOX CULVERT. FILL ABOVE THE BACKFILL IS INCLUDED IN THE EARTHWORK QUANTITIES IN THE ROAD PLANS.

BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

UPPER LIMITS OF "EXCAVATION FOR STRUCTURES CULVERTS (C-51-85)" SHALL BE THE EXISTING GROUND LINE OR EXISTING STREAM BED.

UNDERCUT 2'-0". EXCAVATION FOR UNDERCUT TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. PLACE "GEOTEXTILE TYPE C" AND BACKFILL WITH "BREAKER RUN".

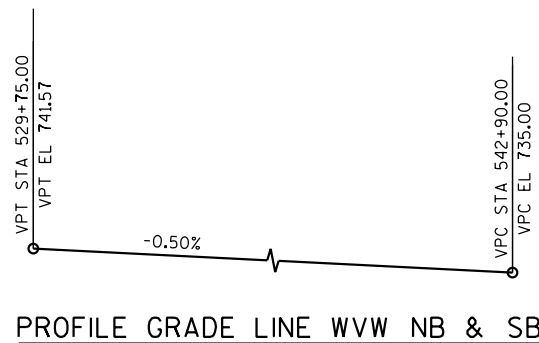
THE CONCRETE IN THE CUT OFF WALL MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

THE ALTERNATE CUT OFF WALL MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONCRETE CUT OFF WALLS. PAYMENT SHALL BE BASED ON CONCRETE CUT OFF WALL QUANTITIES AND BID PRICES.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DESIGN SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS IN CHAPTER 36 OF THE CURRENT WISCONSIN DOT BRIDGE MANUAL AND ITS CORRESPONDING STANDARDS. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

BACKFILL SHALL BE PLACED AND MAINTAINED AROUND THE ENTIRE BOX CULVERT IF TEMPORARY ACCESS IS REQUIRED DURING CONSTRUCTION. SEE GENERAL PLAN & ELEVATION SHEET FOR MINIMUM AND MAXIMUM FILL.

THE SLOPE OF THE FILL AT THE WINGWALLS SHALL BE COVERED WITH MEDIUM RIPRAP AND GEOTEXTILE FABRIC TYPE 'HR' TO THE EXTENTS SHOWN ON SHEET 9.



NO.	LOCATION		ELEVATION	DESCRIPTION
425	N=170331	E=596318	742.402	BM CMPC SOR S SIDE W HSE13027
426	N=170408	E=595296	741.784	BM PPOL 94-08973 RR SPIKE IN S FACE
444	N=164996	E=597429	731.300	BM PPOL 99-09984 RR SPIKE IN FACE
445	N=165005	E=596641	729.694	BM PPOL 99-09986 RR SPIKE IN FACE

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE C-51-85			
		DRAWN BY	MM
		PLANS CK'D.	MHZ
QUANTITIES, GENERAL NOTES & PROFILES		SHEET 2 OF 9	

