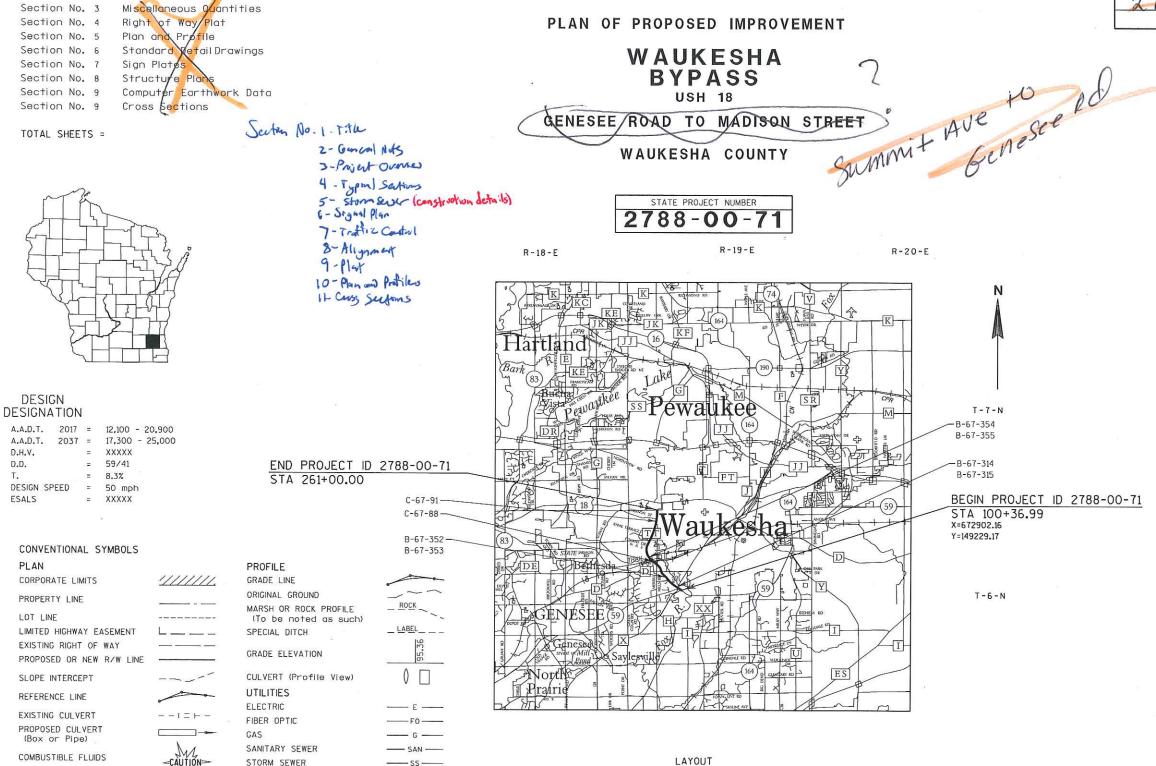
MARSH AREA

WOODED OR SHRUB AREA

8		:				From	1 /1 / 10 /	405 le	nit
			*				STATE PROJECT	FEDERAL PRO	DJECT
ORDER OF SHEETS			STATE	OF WISCONS	IN			PROJECT	CONTRACT
Section No. 1	Title						2788-01-00		
Section No. 2	Typical Sections and Details	*	DEPARTMENT O	F TRANSF					
Section No. 3	Estimate of Quantities		DEI AITIMENT V	IIIANOI	ONIAIION		2788-00-7		
Section No. 3	Miscellaneous Quantities					-	210000	*	
Section No. 4	Right of Way/Plat		PLAN OF PRO	OPOSED IMPROVEME	ENT				
Section No. 5	Plan and Profile								
Section No. 6	Standard Vetail Drawings		\\\	AUKESHA					
Section No. 7	Sign Plates				\bigcirc				
Section No. 8	Structure Plans		,	BYPASS	_				
C 1' N - 0						10			



DRAFT FOR REVIEW ONLY

ORIGINAL PLANS PREPARED BY **CH2MHILL** MILWAUKEE, WISCONSIN

(Signature)

PLANS PREPARED BY



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Surveyor	KAPUR & ASSOCIATES			
Designer	CH2MHILL / KAPUR & ASSOCIAT			
Project Manager	XXXXXXXX			
Regional Examiner				
Regional Supervisor	XXXXXXXX			
C.O. Examiner				

(Signature)

E

(I I I

TELEPHONE

POWER POLE

UTILITY PEDESTAL

TELEPHONE POLE

Д

 \Box

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WATER

TOTAL NET LENGTH OF CENTERLINE = 3.042 MI.

0.75 MI.

SCALE

PLOT BY: wwolak

-COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WAUKESHA COUNTY NAVD 83 (1991).

-ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (1991).

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.

ALL PRIVATE EXISTING UTILITIES NOT INCLUDED IN THE PLAN ARE TO BE ADJUSTED BY THE UTILITIES CONCERNED. STORM SEWER MANHOLES WILL BE ADJUSTED AND PAID FOR AS A CONTRACT BID ITEM.

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.

THE EARTHWORK YARDAGE WAS ESTIMATED BY EXPANDING THE FILL VOLUME. AN EXPANSION FACTOR OF 1.2 WAS USED.

THE LOCATION AND LIMITS OF EBS (EXCAVATION BELOW SUBGRADE), IF REQUIRED, WILL BE DETERMINED BY THE ENGINEER. SUCH EBS SHALL NOT BE USED TO BALANCE YARDAGE.

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

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL OR SALVAGED TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE PLACED A MINIMUM OF 4 INCHES IN DEPTH.

SALVAGED TOPSOIL SHALL NOT BE PLACED ON SUBGRADE UNTIL APPROVED BY ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED BY DIRECTION OF THE ENGINEER WITH THE FOLLOWING FINISHING ITEMS: SALVAGED TOPSOIL, SEED, FERTILIZER, AND MULCH. QUANTITIES FOR FINISHING ITEMS INCLUDE RESTORATION EXTENDING 3 FEET BEYOND THE SLOPE INTERCEPT SHOWN ON THE PLANS. DISTURBED AREAS SHALL HAVE FINISHING ITEMS APPLIED WITHIN 15 WORKING DAYS AFTER GRADING WORK IS COMPLETED.

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

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

REMOVAL OF EROSION CONTROL DEVICES IS INCIDENTAL TO THE COST OF THEIR RESPECTIVE BID ITEMS.

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 GRANULAR BACKFILL.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR MUST VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

LOCATION AND ELEVATION OF STORM SEWER STRUCTURES IN CURB AND GUTTER SECTION REFER TO FLOW LINE OF CURB.

LOCATION AND ELEVATION OF STORM SEWER STRUCTURES NOT IN CURB AND GUTTER REFER TO CENTERLINE OF COVER.

ADJUSTING MANHOLES TO GRADE SHALL BE COMPLETED AFTER PAVING LOWER LAYER.

EXISTING INLET AND MANHOLE COVERS THAT ARE NOT REQUIRED TO BE REUSED ON THE PROJECT SHALL BECOME THE PROPERTY OF THE RESPECTIVE MUNICIPALITY.

REINFORCED CONCRETE APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE WILL BE TIED TOGETHER AS SHOWN ON THE STANDARD DETAIL DRAWINGS. JOINT TIES WILL BE INCIDENTAL ITEMS INCLUDED IN THE COST OF THE CONCRETE PIPE.

CURB HEIGHTS AT THE END OF CURB AND GUTTER WILL BE TAPERED FROM 0 TO 6 INCHES OVER 10 FEET. CHANGES IN CURB TYPE SHALL TRANSITION OVER 10 FEET.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE LINE. CURB AND GUTTER RADII ARE MEASURED TO THE FACE.

EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER ADJACENT TO CONCRETE PAVEMENT.

CURB AND GUTTER JOINT SPACING SHALL BE 20 FEET ALONG TANGENT SECTIONS.

1/2-INCH FELT EXPANSION JOINT MATERIAL IS REQUIRED BETWEEN BACK OF CURB AND FRONT OF WALK OR DRIVEWAY APRON.

EXISTING DRIVEWAYS AND FIELD ENTRANCES WILL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

CONCRETE DRIVEWAY REMOVAL WILL BE PAID FOR AS REMOVING PAVEMENT.

BROKEN CONCRETE CONTAINING RE-BAR WILL NOT BE USED AS RIPRAP OR HEAVY RIPRAP.

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

TRAFFIC CONTROL DEVICES WILL 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).

MUNICIPAL-OWNED STREET SIGNS WILL BE REMOVED, STORED AND RE-INSTALLED BY THE MUNICIPALITY.

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

15-00

HWY: WAUK BYPASS

COUNTY: WAUKESHA

GENERAL NOTES

SHEET NO:

ΙE

PROJECT NO: 2788-01-00

UTILITY / AGENCY CONTACTS

WE ENERGIES - GAS & ELECTRIC

MR. LATROY BRUMFIELD 333 W. EVERETT ST. A299 MILWAUKEE, WI 53203 (414) 221-5617 latroy.brumfield@we-energies.com

TIME WARNER CABLE

MR. STEVE CRAMER UTILITY COORDINATOR 1320 N. DR. MARTIN LUTHER KING JR. DR. MILWAUKEE, WI 53212 (414) 277-4045 steve.cramer@twcable.com

AT&T WISCONSIN

JOELOSTRENGA Mr. Alper Kolcu 2005 PEWAUKEE ROAD WAUKESHA, WI 53188 (262) 896-6527 [262] 970-8494 jo4761@att.com ak 308 x@ att.com

CENTURY LINK No Facilities, MR. DENNIS HAAG 144 N. PEARL STREET BERLIN, WI 54923 (920) 361-0040 dennis.haag@centurytel.com

SPRINT COMMUNICATIONS, L.P.

MR. JIM BURTON FACILITIES MANAGER 400 W. GRAND AVENUE 5600 North River ld Svite 200 ELMHURST, IL 60126 Rusemont, IL 60018 (708) 955-6659 (630) 379-5958 james burton@eriesson.com james, m. burtun@sprint, com

PAETEC BUSINESS SERVICES

MR. JIM KOSTUCH SUPERVISOR - OSP NETWORK 13935 BISHOPS DRIVE BROOKFIELD, WI 53005 (262) 792-7938 james.kostuch@windstream.com

LEVEL 3 COMMUNICATIONS

1025 ELDORADO BOULEVARD BROOMFIELD, CO 80021 (720) 888-0336

- TW Telecom level3.networkrelocations@level3.com

Add

MIDWEST FIBER NETWORKS

MR. RICHARD TRGOVEC **OSP ENGINEER** 3701-W. BURNHAM STREET, SUITE O 6070 North Flint 12 MILWAUKEE, WI53215 Glendale, WI 53209 (414) 672-5612 (414) 459-3554 rtrgovec@midwestfibernetworks.com

WISCONSIN & SOUTHERN RAILROAD

MR. GREGORY WELKER 1890 EAST JOHNSON STREET MADISON, WI 53704 (608) 243-9101 gwelker@wsorrailroad.com

WAUKESHA COUNTY HIGHWAY ENGINEERING

MR. GARY EVANS ENGINEERING SERVICES MANAGER 515 WEST MORELAND BOULEVARD, ROOM 220 WAUKESHA, WI 53188 (262) 548-7740

WAUKESHA COUNTY DPW MS. ALLISON BUSLER

DIRECTOR OF PUBLIC WORKS 515 WEST MORELAND BOULEVARD WAUKESHA, WI 53188 (262) 548-7740

WAUKESHA COUNTY DPW - TRAFFIC SIGNALS

MR. BRUCE BARNES 515 WEST MORELAND BOULEVARD, ROOM 220 WAUKESHA, WI 53188 (262) 548-7748 bgbarnes@waukeshacounty.com 40V

CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS SANITARY & STORM SEWER MR. PAUL DAY **CITY ENGINEER** 130 DELAFIELD STREET WAUKESHA, WI 53188-3616 (262) 524-3585

CITY OF WAUKESHA

DEPARTMENT OF PUBLIC WORKS

MR. FRED ABADI DIRECTOR OF PUBLIC WORKS 130 DELAFIELD STREET WAUKESHA, WI 53188-3616 (262) 524-3596 fabadi@ci.waukesha.wi.us

CITY OF WAUKESHA WATER UTILITY

MS. KELLY ZYLSTRA 115 DELAFIELD STREET P.O. Box 1648 WAUKESHA, WI53188 (262) 521-5272

eontactus@waukesha-water.com kzylstra@waukesha-water.com

CITY OF WAUKESHA TRAFFIC SIGNALS

MR. MICHAEL GRULKE 130 DELAFIELD STREET WAUKESHA, WI 53188 (262) 524-3600 mgrulke@ci.waukesha.wi.us

TOWN OF WAUKESHA

MR. JOHN MAREK TOWN CHAIRMAN W250 S3567 CENTER ROAD WAUKESHA, WI 53189-7364 (262) 542-5030 chairman@townofwaukesha.us

CITY OF PEWAUKEE DEPARTMENT OF PUBLIC WORKS

MR. JEFF WEIGEL W240 N3065 PEWAUKEE ROAD PEWAUKEE, WI 53072 (262) 691-0770 weigel@pewaukee.wi.us

WISDOT TRAFFIC LIGHTING MR. MATTPFEIFER Eric Perey SE REGION LIGHTING ENGINEER 141 NW BARSTOW STREET

(262) 548-8778 (262) 574-5422 matthew.pfeifer@dot.wi.gov enc. perea @ dot. wi. guv

WAUKESHA, WI 53187

WISDOT TRAFFIC SIGNALS MR. JOHN HAUG Ms. Elizabeth-Lloyd-Weis TRAFFIC ENGINEERING SUPERVISOR 141 NW BARSTOW STREET WAUKESHA, WI 53187 -(262) 521-5256 (262) 521-4404

elizabeth. lloyd-weis () Jot. wi. gov

john.haug@dot.state.wi.us

WISDOT STOC

MR. JEFF MADSEN 433 W. ST. PAUL AVENUE, SUITE 300 MILWAUKEE, WI 53203 (414) 225-3723 ieffrey.madson@dot.wi.gov

WI DEPT OF NATURAL RESOURCES

MR. CRAIG WEBSTER **ENVIRONMENTAL SPECIALIST** 141 NW BARSTOW STREET, ROOM 180 WAUKESHA, WI 53185 (262) 574-2141 craig.webster@wisconsin.gov

WI DEPT OF NATURAL RESOURCES

MR. PAUL SANDGREN SUPERINTENDENT (FOR GLACIAL DRUMLIN STATE TRAIL) S91 W39001 HWY 59 EAGLE, WI 53119

KAPUR AND ASSOCIATES, INC.

MR. KURT FARRENKOPF PROJECT MANAGER 7711 N. PORT WASHINGTON ROAD MILWAUKEE, WI 53217 (414) 751-7226 kfarrenkopf@kapur-assoc.com



Dial or (800) 242-8511

www.DiggersHotline.com

PROJECT NO: 2788-01-00

HWY: WAUK BYPASS

pday@ci.waukesha.wi.us

ORIGINATOR: LISA FLYNN

COUNTY: WAUKESHA

GENERAL NOTES

ORIG, DATE: DECEMBER 12, 2005

SHEET NO:

STANDARD ABBREVIATIONS								
<	ANGLE			LE	I DICAD ROOM/DITTO			
ADT	AVERAGE DAILY TRAFFIC		k-1;	LF LHF	LINEAR FOOT(FEET) LEFT HAND FORWARD			
AC	ACRE			LC	LONG CHORD			
AE, AEW	APRON ENDWALL			LS	LUMP SUM			
AGG	AGGREGATE			LT	LEFT			
AH	AHEAD			M	MARSH			
ASPH	ASPHALTIC			MATL	MATERIAL			
BC	BACK OF CURB			MP	MARKER POST			
BF	BACK FACE			MAX	MAXIMUM			
BIT	EXISTING BITUMINOUS			MGAL	1000 GALLONS			
BM	BENCH MARK			MH .	MANHOLE			
BEG	BEGIN			MIN	MINIMUM			
BK C & G	BACK				MATCHLINE			
CABC	CURB AND GUTTER			N	NORTH			
CB	CRUSHED AGGREGATE BASE COURSE CATCH BASIN			NB	NORTHBOUND			
CMCP	CORRUGATED METAL CULVERT PIPE			NC	NORMAL CROWN OR NO CHANGE			
CMP	CORRUGATED METAL PIPE			NO NW OR NA	NUMBER			
CP	CULVERT PIPE			OBLIT	V NORMAL WATER			
CY	CUBIC YARD		(2)	OD	OBLITERATE OUTSIDE DIAMETER			
CL OR C/L	CENTER LINE			PC	POINT OF CURVATURE			
CO	COUNTY			PCC	POINT OF COMPOUND CURVE			
CONC	CONCRETE			PE	PRIVATE ENTRANCE			
CONST	CONSTRUCTION			PGL	PROFILE GRADE LINE			
CR	CREEK	5		PI ·	POINT OF INTERSECTION			
CTH	COUNTY TRUNK HIGHWAY			PL	PROPERTY LINE			
CWT	HUNDRED WEIGHT	94		PLE	PERMANENT LIMITED EASEMENT			
D	DEGREE OF CURVE		\$	PRC	POINT OF REVERSE CURVE			
DHV	DESIGN HOUR VOLUME			PROJ	PROJECT			
DIA	DIAMETER			PSI	POUNDS PER SQUARE INCH			
DISCH E	DISCHARGE			PT	POINT OF TANGENCY			
EA	EAST EACH			PVC	POLYVINYL CHLORIDE			
EB	EASTBOUND			PT	POINT OF TANGENCY			
EBS	EXCAVATION BELOW SUBGRADE			PAV'T	PAVEMENT			
EL, ELEV	ELEVATION BELOW SUBGRADE			PCC	PORTLAND CEMENT CONCRETE			
ELEC	ELECTRIC(AL), ELEC CABLE			R RCCP	RADIUS OR RANGE			
EMB	EMBANKMENT			RCHECP	REINFORCED CONCRETE CULVERT PIPE			
ESALS	EQUIVALENT SINGLE AXEL LOADS			RCPSS	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE REINFORCED CONCRETE PIPE STORM SEWER			
ESMT	EASEMENT			RHF	RIGHT HAND FORWARD			
EW	ENDWALL			R/L	REFERENCE LINE			
EXC	EXCAVATION			R/W	RIGHT OF WAY			
EXIST	EXISTING BITUMINOUS			RD	ROAD			
EXP	EXPANSION			RDWY	ROADWAY			
FC	FACE OF CURB			REL	RELOCATE			
FE	FIELD ENTRANCE			REM	REMAINING			
FF	FACE TO FACE			REQD	REQUIRED			
F/L, FL	FLOW LINE			RT	RIGHT			
FERT	FERTILIZER			RW	RETAINING WALL			
FHWA FT	FEDERAL HIGHWAY FOOT (FEET)			S	SOUTH			
G	GAS			SALV	SALVAGED			
GN	GRID NORTH			SAN	SANITARY			
Н	HOUSE			SB	SOUTHBOUND			
HP	HIGH POINT			SDD SE	STANDARD DETAIL DRAWINGS			
HR	HANDICAP RAMP			SEC	SUPERELEVATION SECTION			
HYD	HYDRANT			SF	SQUARE FOOT (FEET)			
I	INTERSECTION ANGLE			S/L	SURVEY LINE			
ID	INSIDE DIAMETER			SHLDR	SHOULDER(S)			
INL	INLET			SHR	SHRINKAGE			
INTER	INTERSECTION			SPECS	SPECIFICATIONS			
INV	INVERT			SS	STORM SEWER			
IP	IRON PIPE			STA	STATION			
JT	JOINT			STH	STATE TRUNK HIGHWAY			
K	RATE OF VERTICAL CURVATURE			STR	STRUCTURE			
L	LENGTH OF CURVE				SIDEWALK			
LB	POUND				SQUARE YARD			
LC LP	LONG CHORD OF CURVE				TANGENT			
LI	LOW POINT			TEL	TELEPHONE			

DESIGN INDEX

TITLE

(TRUCKS) PERCENT OF

UNDERGROUND (CABLE)

VERTICAL CURVE LENGTH

TEMPORARY LIMITED EASEMENT

VERTICAL POINT OF CURVATURE

VERTICAL POINT OF TANGENCY

VERTICAL POINT OF INTERSECTION VERTICAL POINT OF REVERSE CURVE

EASTING OR EAST GRID COORDINATE NORTHING OR NORTH GRID COORDINATE

VERTICAL POINT OF COMPOUND CURVE

TOP OF CURB

TANGENT

TYPICAL

TL OR T/L TRANSIT LINE

TEMPORARY

UNCLASSIFIED

VARIABLE

VALVE

VOLUME WEST WESTBOUND

WATER VALVE

TC

TAN

TLE

TYP

UG

UNCL

VAR

VCL

VPC

VPCC

VPI

VPRC

VPT VLV

VOL

WB WV

X

YD

TEMP

GEN. NOTES, UTILITIES AND STANDARD ABBREVIATIONS.

PROJECT OVERVIEW 💆

TYPICAL SECTIONS

CONSTRUCTION DETAILS

PLAN DETAILS

EROSION CONTROL

STORMSEWER

SIGNING

LIGHTING PLAN

TRAFFIC SIGNALS

PAYEMENT MARKING

TRAFFIC CONTROL AND CONSTRUCTION STAGING

ALIGNMENT PLAN

PROJECT NO: 2788-01-00

HWY: WAUK BYPASS

COUNTY: WAUKESHA

GENERAL NOTES

SHEET NO:

- Sign Place

- Alignment

- Cross Soctions

Traffic Control

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