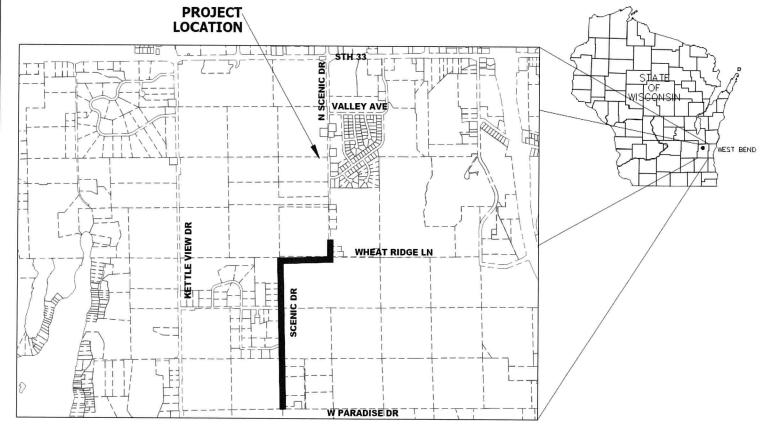
# SCENIC DRIVE ROADWAY IMPROVEMENTS TOWN OF WEST BEND, WISCONSIN

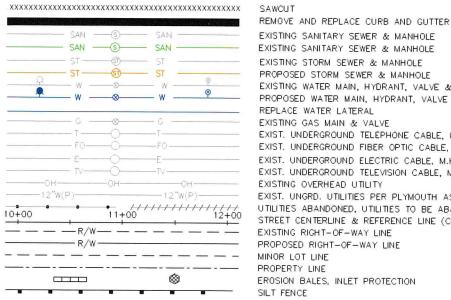


#### INDEX OF SHEETS

TITLE SHEET PAGE 1 GENERAL NOTES
CONSTRUCTION DETAILS PAGE 3-4 PAGE 5-8 PAGE 9-18 SCENIC DRIVE ROADWAY INTERSECTION REMOVALS

## CITY OF WEST BEND

### STANDARD SYMBOLS



EXISTING SANITARY SEWER & MANHOLE EXISTING SANITARY SEWER & MANHOLE EXISTING STORM SEWER & MANHOLE PROPOSED STORM SEWER & MANHOLE EXISTING WATER MAIN, HYDRANT, VALVE & CURB STOP PROPOSED WATER MAIN, HYDRANT, VALVE & CURB STOP REPLACE WATER LATERAL EXISTING GAS MAIN & VALVE EXIST. UNDERGROUND TELEPHONE CABLE, M.H. EXIST. UNDERGROUND FIBER OPTIC CABLE, M.H. EXIST. UNDERGROUND ELECTRIC CABLE, M.H. EXIST. UNDERGROUND TELEVISION CABLE, M.H. EXISTING OVERHEAD UTILITY EXIST. UNGRD. UTILITIES PER PLYMOUTH AS-BUILT PLANS UTILITIES ABANDONED, UTILITIES TO BE ABANDONED STREET CENTERLINE & REFERENCE LINE (C/L, R/L) EXISTING RIGHT-OF-WAY LINE PROPOSED RIGHT-OF-WAY LINE MINOR LOT LINE PROPERTY LINE EROSION BALES, INLET PROTECTION

1" IRON PIPE - 3/4" IRON ROD 2" IRON PIPE RIGHT-OF-WAY POST CONTROL POINT CONCRETE MONUMENT BENCHMARK FOUND POWER & TELEPHONE POLE TELEPHONE POLE LAMP POLE (PRIVATE) STREET LIGHT GUY GUY WIRE & GUY POLE SIGN PRIVATE, PUBLIC UTILITY CAUTION SYMBOL

TREE (DECIDUOUS)

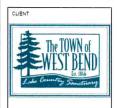
TREE (CONIFEROUS) TREE STUMP WOODED AREA HEDGE MARSH LOCATION TREE REMOVAL WOODED AREA REMOVAL BLOCK WALL STONE WALL BUILDINGS CURB STOP EXISTING, PROPOSED FLAGPOLE MAIL BOX

> HYDRANT EXISTING, PROPOSED WATER VALVE EXISTING, PROPOSED

PROJECT:

SCENIC DRIVE ROADWAY **IMPROVEMENTS** 

TOWN OF WEST



RELEASE

PRELIMINARY

#	DATE	DESCRIPTION



TITLE SHEET

PROJECT NUMBER:

#### LIST OF STANDARD ABBREVIATIONS

OBLITERATE OUTSIDE DIAMETER

ROADWAY RELOCATE

REMAINING

REMAINING
REQUIRED
RIGHT
RETAINING WALL
RIGHT OF WAY
SOUTH
SALVAGED
SANITARY SEWER

SPECIFICATIONS

SIDEWALK SQUARE YARD TANGENT OR TOWNSHIP TOP OF CURB

TRANSIT LINE TEMPORARY LIMITED EASEMENT

TEMPORARY LIMITED EASEMENT
TYPICAL
UNCLASSIFIED
VARIABLE
VERTICAL CURVE LENGTH
VERIFY IN FIELD
VERTICAL POINT OF CURVATURE
VERTICAL POINT OF INTERSECTION
VERTICAL POINT OF REVERSE CURVE
VERTICAL POINT OF TANGENCY
VOLUME
WEST
WESTBOUND
EASTING OR EAST GRID COORDINATE

EASTING OR EAST GRID COORDINATE NORTHING OR NORTH GRID COORDINATE

SQUARE FEET STORM SEWER STATION

SANTIARY SEWER
SOUTHBOUND
STANDARD DETAIL DRAWINGS
SUPERELEVATION
SECTION
SHOULDER

POINT OF CURVATURE POINT OF COMPOUND CURVE

PROPERTY LINE
PERMANENT LIMITED EASEMENT
POINT OF REVERSE CURVE
PROJECT

PROJECT
POUNDS PER SQUARE INCH
POINT OF TANGENCY
POLYVINYL CHLORIDE
RADIUS OR RANGE
REINFORCED CONC CULVERT PIPE
REINFORCED CONC HORIZONTAL
ELLIPTICAL CULVERT PIPE
REINFORCED CONC PIPE STORM SEWER
ROAD

PRIVATE ENTRANCE
POINT OF INTERSECTION

ADT ASPH BC BIT BM C&G CL OR C/L CMP CONC CONST CB CP CP DHV DIA	AVERAGE DAILY TRAFFIC ASPHALTIC PAVEMENT BACK OF CURB EXISTING BITUMINOUS BENCH MARK CURB AND GUTTER CENTER LINE CORRUGATED METAL PIPE CONCRETE CONSTRUCTION CATCH BASIN CULVERT PIPE CUBIC YARD DESIGN HOUR VOLUME DIAMETER	OBLIT OD P PC PCC PCC PPI PL PRCO PROJ PSI PT PC PC
EB SEMB ENT ELEV ESALS ESMT EW EXC EXP FC FL OR F/L FHWA FT GRVL GN HIPR HR HYD ID ININ	EAST EASTBOUND EXCAVATION BELOW SUBGRADE EMBANKMENT ENTRANCE ELEVATION EQUIVALENT SINGLE AXLE LOADS EASEMENT ENDWALL EXCAVATION EXISTING EXPANSION FACE OF CURB FIELD ENTRANCE FIELD INLET FLOW LINE OF FLANGE LINE FEDERAL HIGHWAY ADMINISTRATION FOOT (FEET) GARACE GRID NORTH HOUSE HOT—IN—PLACE RECYCLING HANDICAP RAMP HYDRANT INTERSECTION ANGLE INSIDE DIAMETER INSIDE DIAMETER INLET	RCCP RCHECP RCPSS RDWY RELM REMD RTW SALN SBDD SEC SPECS STLDR SPECS STLDR SPECS STLDR SPECS STLDR SPECS TCS TCS
LB LC LIN FT OR LF LT MATL MAX MH MIN ML OR M/L NB NO OR N/W	INVERT IRON PIPE JOINT RATE OF VERTICAL CURVATURE LENGTH OF CURVE POUND LONG CHORD OF CURVE LINEAR FEET LEFT MARSH MATERIAL MAXIMUM MANHOLE MINIMUM MATCH LINE NORTH NORTHBOUND NUMBER	TL OR T/ TLE TYP UNCL VAR VCL VFC VPCC VPI VPRC VPT VOL WB X Y YD

NW OR N/W

NORMAL WATER

#### **GENERAL NOTES**

ALL CONSTRUCTION SHALL MEET STANDARDS SPECIFIED IN THE CONTRACT DOCUMENTS AND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION AND AMENDMENTS.

THE INFORMATION IN THIS PLAN SET REPRESENTS THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL INFORMATION IN THE FIELD.

PROJECT SPECIFICATIONS CONTROL ALL WORK REQUIREMENTS ASSOCIATED WITH THIS PROJECT.

THE LOCATIONS OF UTILITIES, AS NOTED ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. IT IS CONTRACTOR RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM THE ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES OR FROM THE GRUBBING OF TREES OR STUMPS SHALL BE BACKFILLED WITH GRANULAR BACKFILL. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.

MAIL BOXES, DECORATIVE ROCKS, FLOWERS, WOOD FENCES OR TIMBERS, PLANTERS AND OTHER MISCELLANEOUS ITEMS ALONG THE ROADWAY WITHIN THE WORK ZONE SHALL BE PROTECTED DURING CONSTRUCTION. IF DAMAGED, THEY SHOULD BE RESTORED TO THE SATISFACTION OF THE ENGINEER AND OWNER. IF THESE ITEMS NEED TO BE REMOVED TO COMPLETE CONSTRUCTION OPERATIONS, THE ITEMS SHALL BE CAREFULLY REMOVED, SALVAGED AND PLACED OUT OF THE CONSTRUCTION ZONE AT A LOCATION REQUESTED BY THE PROPERTY OWNER AS DIRECTED BY ENGINEER AND TOWN AND CONTRACTOR SHALL RE-INSTALL FOLLOWING CONSTRUCTION WORK THIS WORK SHALL BE COMPLETED UNDER ASSOCIATED BID ITEMS. OTHERWISE THIS WORK SHALL INCIDENTAL TO THIS CONTRACT.

ALL SPOT GRADES SHOWN ON THE PLANS ARE FINISHED GRADES. SPOT GRADES DESIGNATED AS XXX.XX± ARE MATCH GRADES. CONTRACTOR SHALL VERIFY MATCH GRADES WITH EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

EXISTING CONCRETE AND ASPHALT PAVEMENT SHALL BE REPLACED IN-KIND AND AS NOTED IN THE PLANS.

UNLESS NOTED OTHERWISE ON PLANS, NON-PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH A MIN. OF 6" TOPSOIL, SEED, FERTILIZER, MULCH, AND EROSION MATTING. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING RESTORATION AREAS UNTIL VEGETATION IS ESTABLISHED.

EXCESS EXCAVATED SPOILS SHALL BE REMOVED BY CONTRACTOR AND INCIDENTAL TO CONTRACT.

#### **EROSION CONTROL NOTES**

THE CONTRACTOR SHALL INSTALL SILT FENCE BEFORE CONSTRUCTION IS TO BEGIN. EROSION CONTROL MEASURES ARE TO BE IN PLACE BEFORE WORK COMMENCES AND MAINTAINED DURING CONSTRUCTION.

ALL EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE DNR "TECHNICAL STANDARDS" AND THE TOWN OF WEST BEND EROSION CONTROL REQUIREMENTS.

TOPSOIL OF 6" MIN., SEED, FERTILIZE, MULCH, AND EROSION MATTING TO INCLUDE ALL AREAS DISTURBED DURING CONSTRUCTION. CONTRACTOR TO WATER AND MAINTAIN RESTORATION AREAS UNTIL AFTER GRASS REQUIRES MOWING.

PROJECT:

SCENIC DRIVE **ROADWAY IMPROVEMENTS** 

LOCATION:

TOWN OF WEST BEND

RELEASE:

**PRELIMINARY** 

REVISIONS: # DATE NORTH ARROV

# BENCH MARKS

BM #	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM 300	512249.7	2474273.7	1003.53	SW CORNER CONC WALK AROUND SHED AT S. SIDE OF 5516 BAUERS DR, 6.5' E. OF ROAD PAVE. EDGE
BM 301	512050.4	2474108.7	1002.65	RR SPIKE IN TREE AT 5508 BAUERS DR,+/- 41' SW OF W. EDGE OF DRIVEWAY, 4' S. OF ROAD PAVE. EDGE
BM 302	512013.1	2474003.9	1009.44	MAG NAIL AT SAN MH S. SIDE OF PAVEMENT AT INT BAUERS DR & POINT DR

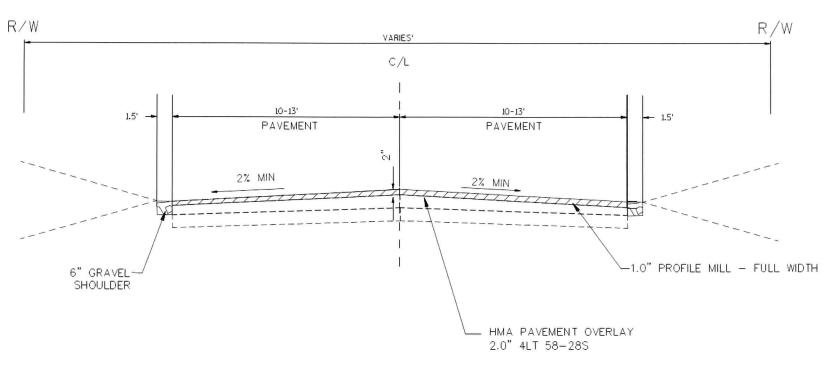


Toll Free (800) 242-8511 Milwaukee Area (414) 259-1181 Hearing Impaired TDD (800) 542-2289 www.DiggersHotline.com

SHEET NUMBER

**GENERAL NOTES** 

all in SHEET



PROPOSED TYPICAL SECTION SCALE: NTS

Kapur
7711 N. Port Washington Road
Milwaukee Wisconsin 53217

PROJECT:

SCENIC DRIVE ROADWAY IMPROVEMENTS

LOCATION

TOWN OF WEST BEND

CLIENT



RELEASE

PRELIMINARY

REVISIONS:

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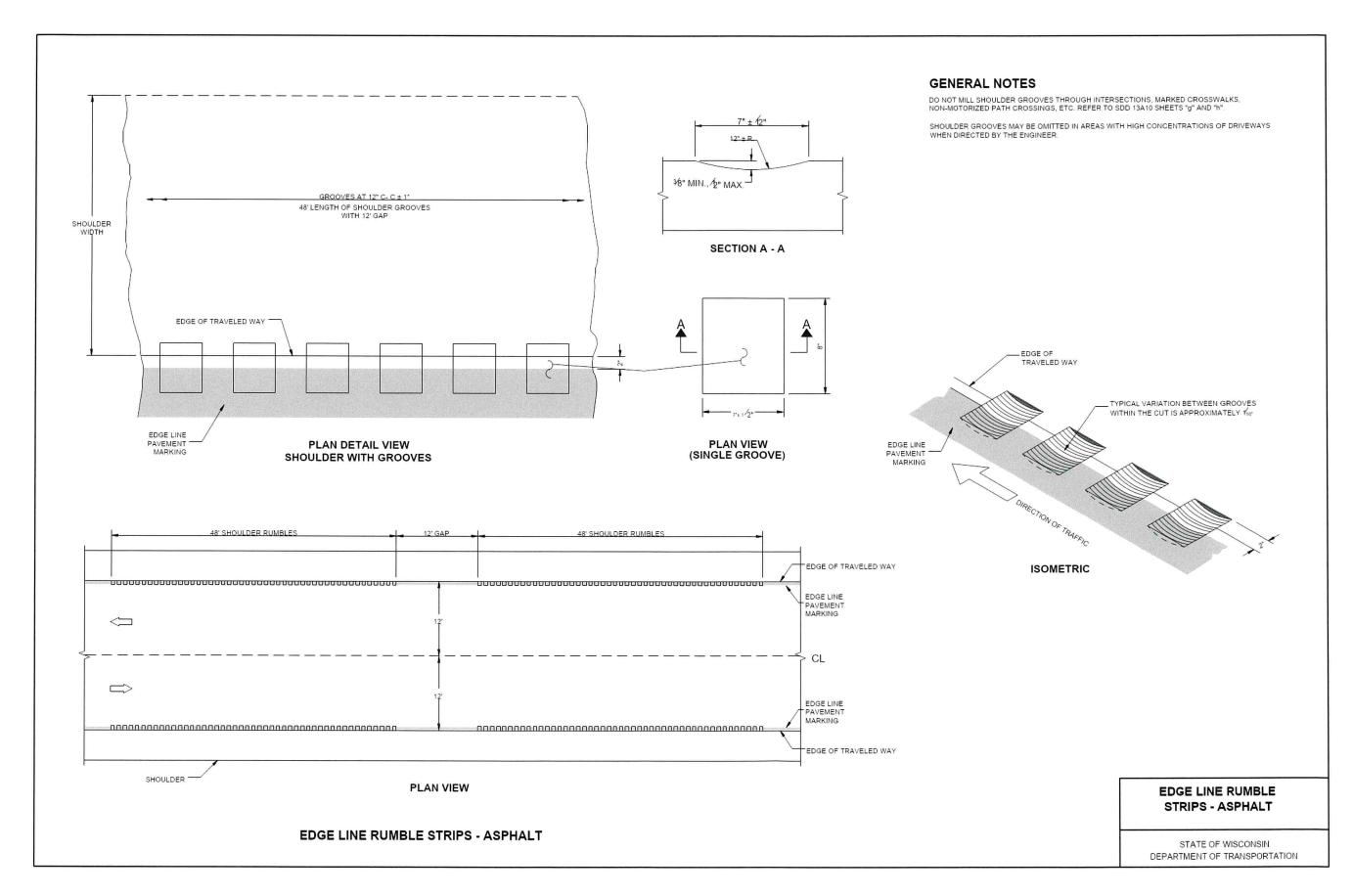
CHIT II

TYPICAL SECTION

PROJECT MANAGER: A
PROJECT NUMBER: 24,0047
DATE:

HEET NUMBER:

3



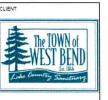
kapurinc.com

PROJECT:

SCENIC DRIVE **ROADWAY IMPROVEMENTS** 

LOCATION:

TOWN OF WEST BEND



RELEASE

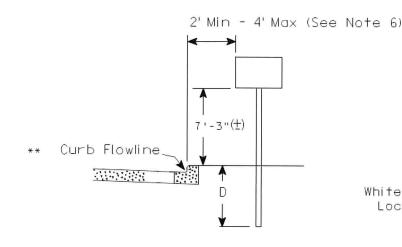
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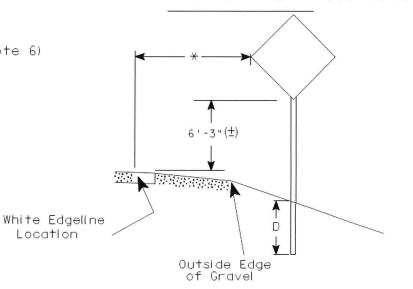
CONSTRUCTION **DETAILS** 

PROJECT MANAGER.
PROJECT NUMBER:
DATE:

#### URBAN AREA

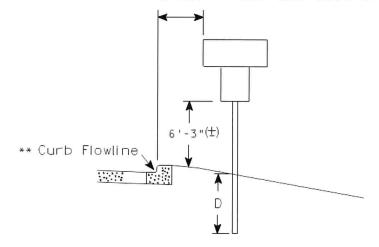


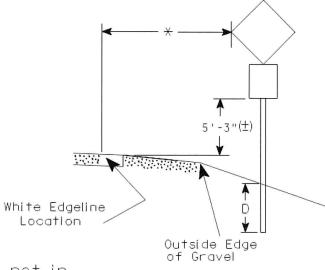
RURAL AREA (See Note 2)



2' Mln - 4' Max (See Note 6)

Location





# POST EMBEDMENT DEPTH

Area of Sign	
Installation	D
( Sq.Ft.)	(MIn)
20 or Less	4'
Greater than 20	5'

 $\star\star$  The existence of curb and autter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

\* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.

2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3"  $(\pm)$ .

- 3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is  $5' - 3'' \stackrel{(\pm)}{.}$
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (+) tolerance for mounting height is 3 inches.
- 7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

Far State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

kapurinc.com

PROJECT:

SCENIC DRIVE **ROADWAY IMPROVEMENTS** 

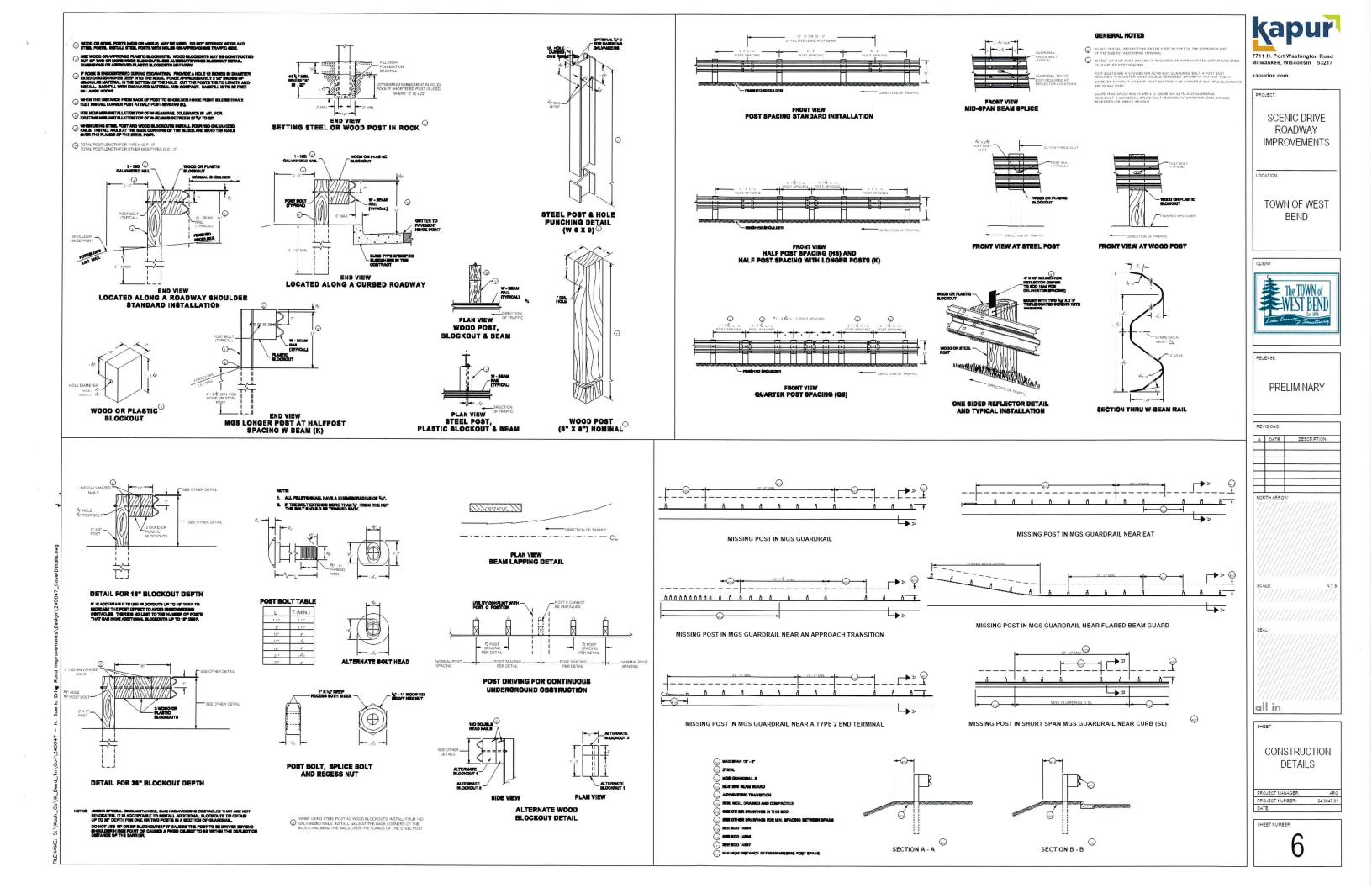
TOWN OF WEST BEND

**PRELIMINARY** 

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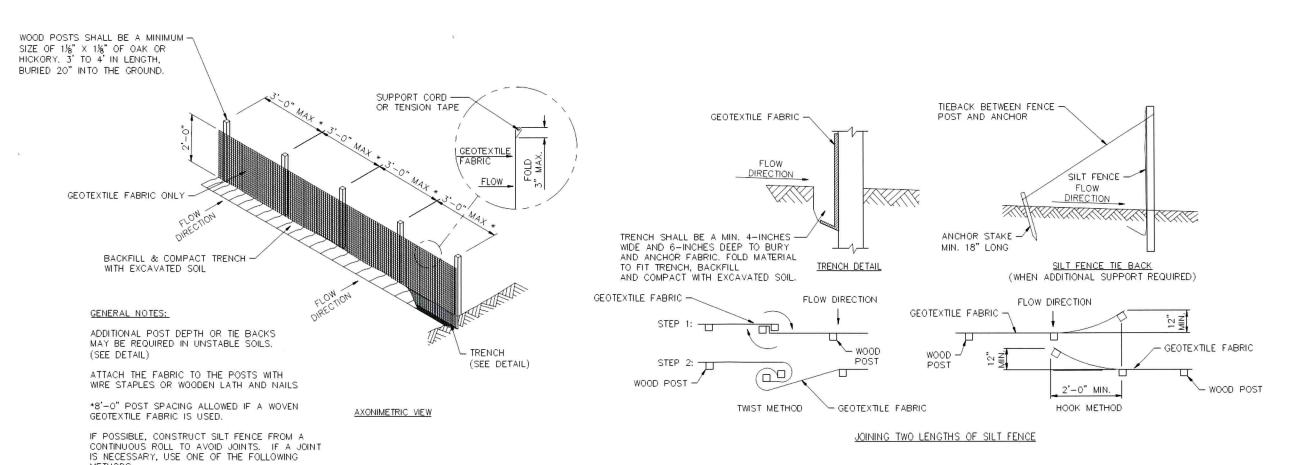
CONSTRUCTION DETAILS



END VIEW SIDE VIEW

> CULVERT PIPE CHECK (INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK



FILTER FABRIC SILT FENCE DETAIL N.T.S.

(1)TWIST METHOD: OVERLAP END POSTS & TWIST

(2)HOOK METHOD: HOOK THE END OF EACH SILT

AT LEAST 180 DEGREES.

7711 N. Port Washington Road Milwaukee, Wisconsin 53217

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PROJECT:

SCENIC DRIVE ROADWAY **IMPROVEMENTS** 

LOCATION:

TOWN OF WEST BEND



RELEASE:

PRELIMINARY

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CONSTRUCTION **DETAILS** 

PROJECT MANAGER: PROJECT NUMBER:



SCENIC DRIVE **ROADWAY IMPROVEMENTS** 

TOWN OF WEST BEND

PRELIMINARY

# DATE DESCRIPTION

CONSTRUCTION DETAILS

PROJECT MANAGER: PROJECT NUMBER: DATE





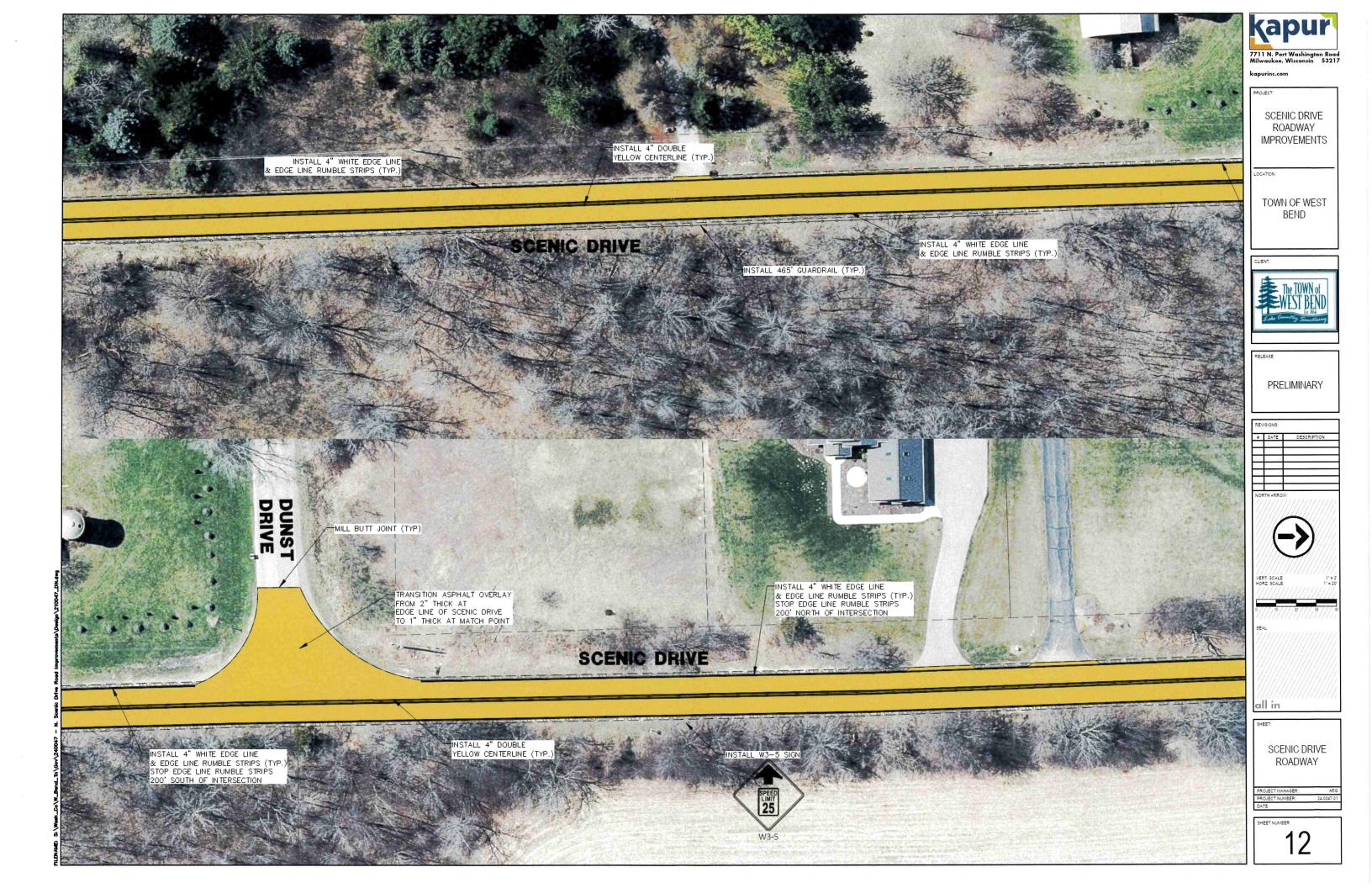






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SCENIC DRIVE ROADWAY IMPROVEMENTS

TOWN OF WEST BEND

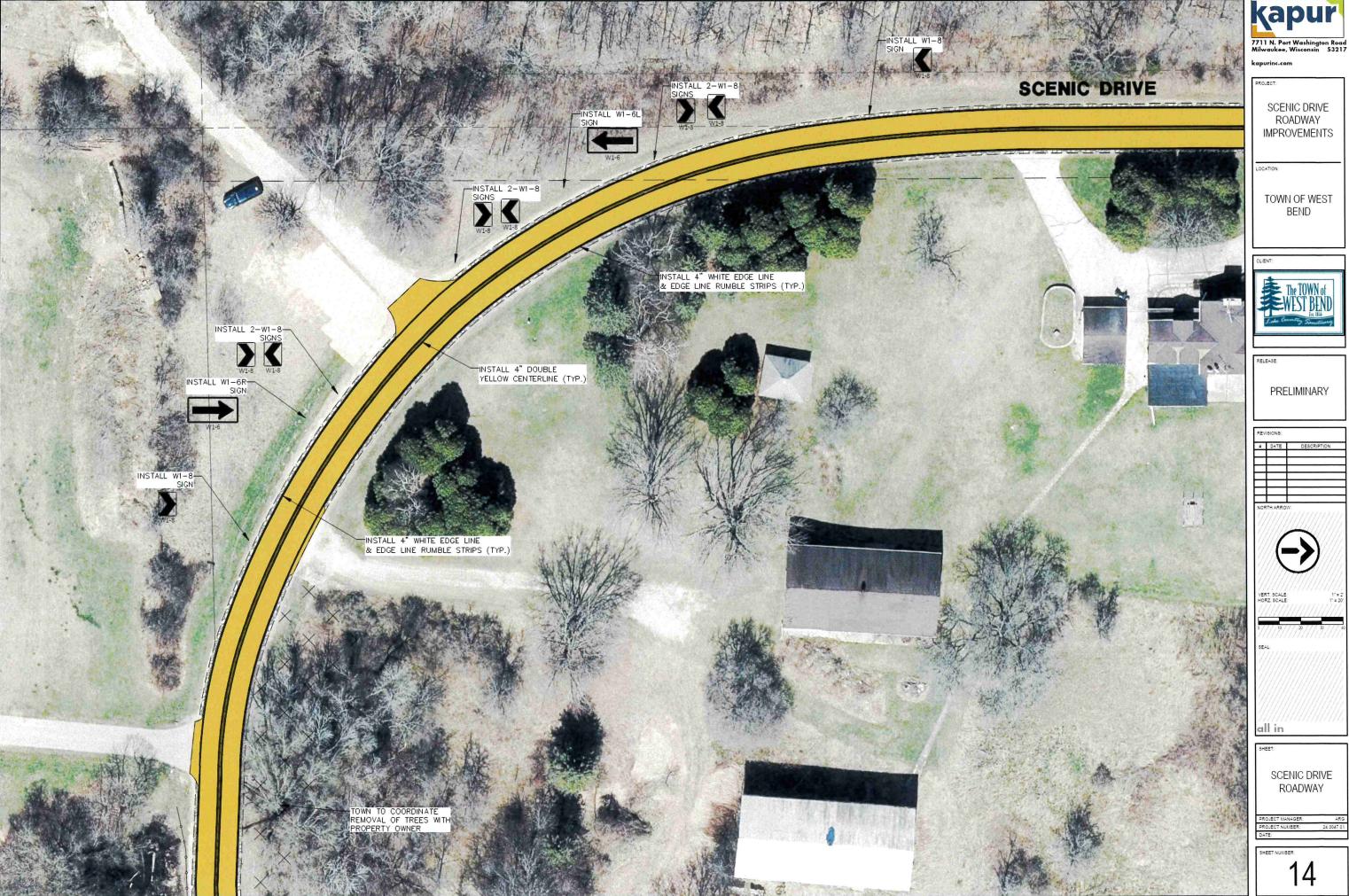


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SCENIC DRIVE ROADWAY

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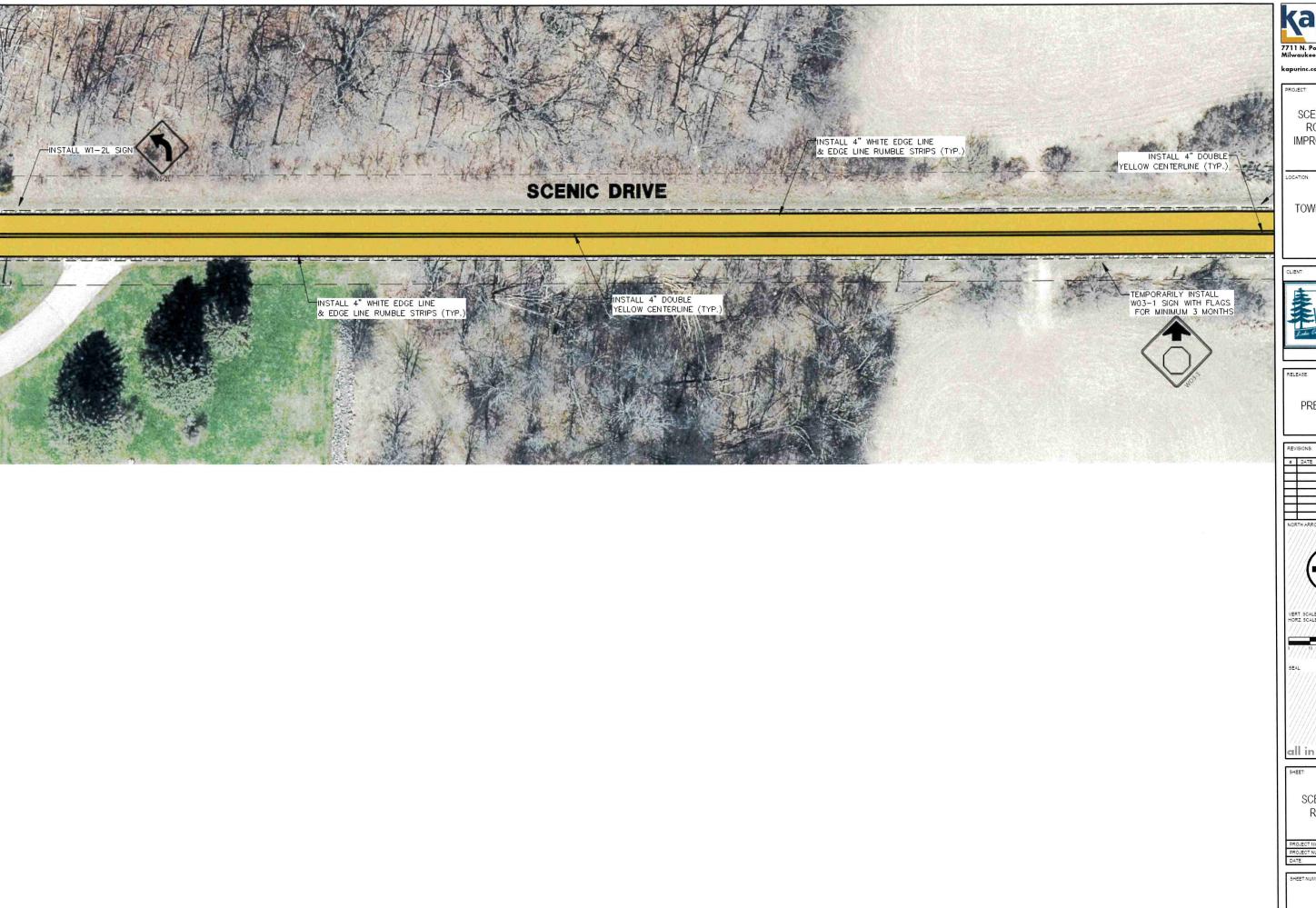


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SCENIC DRIVE **ROADWAY IMPROVEMENTS** 

TOWN OF WEST BEND



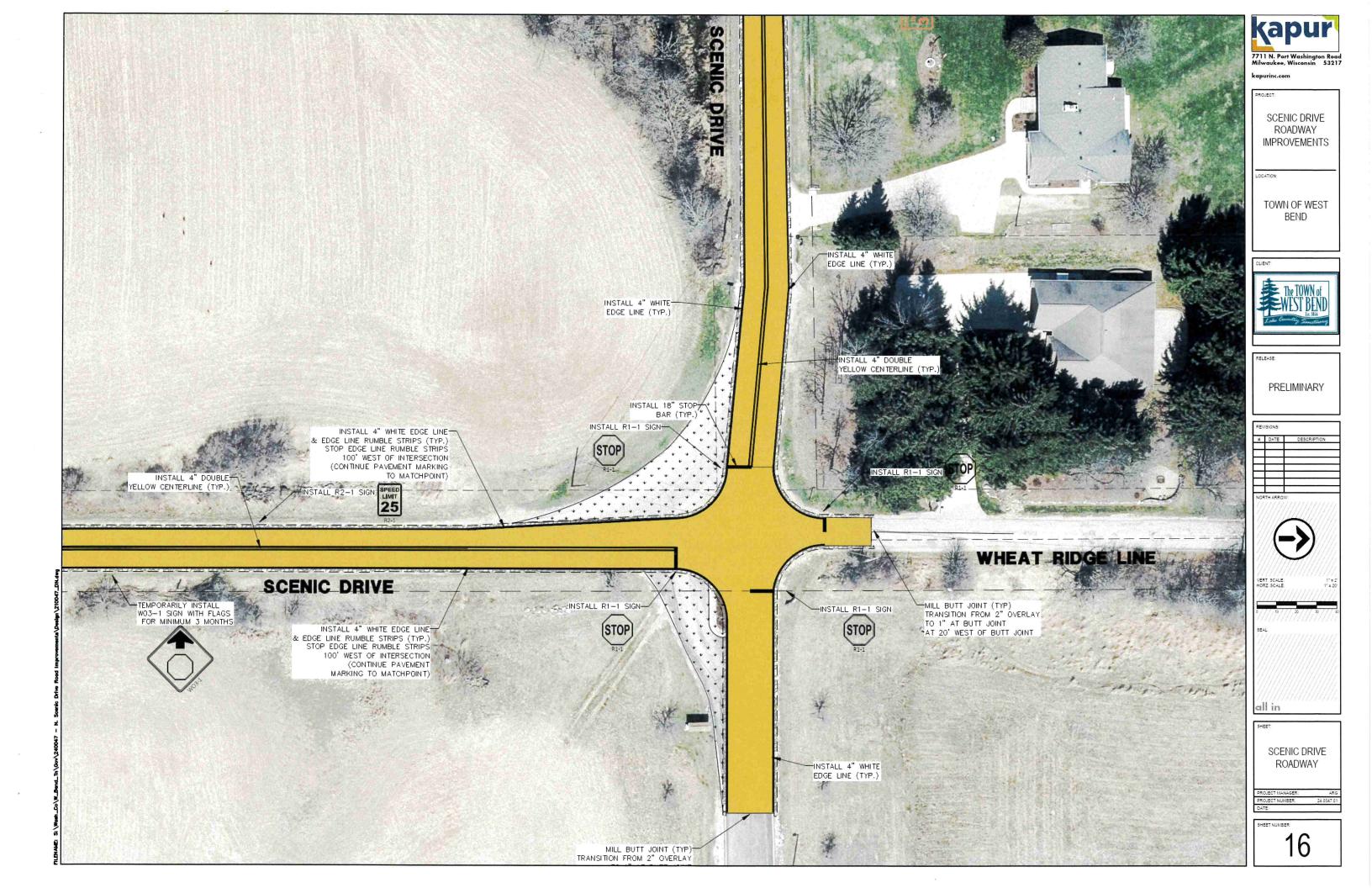
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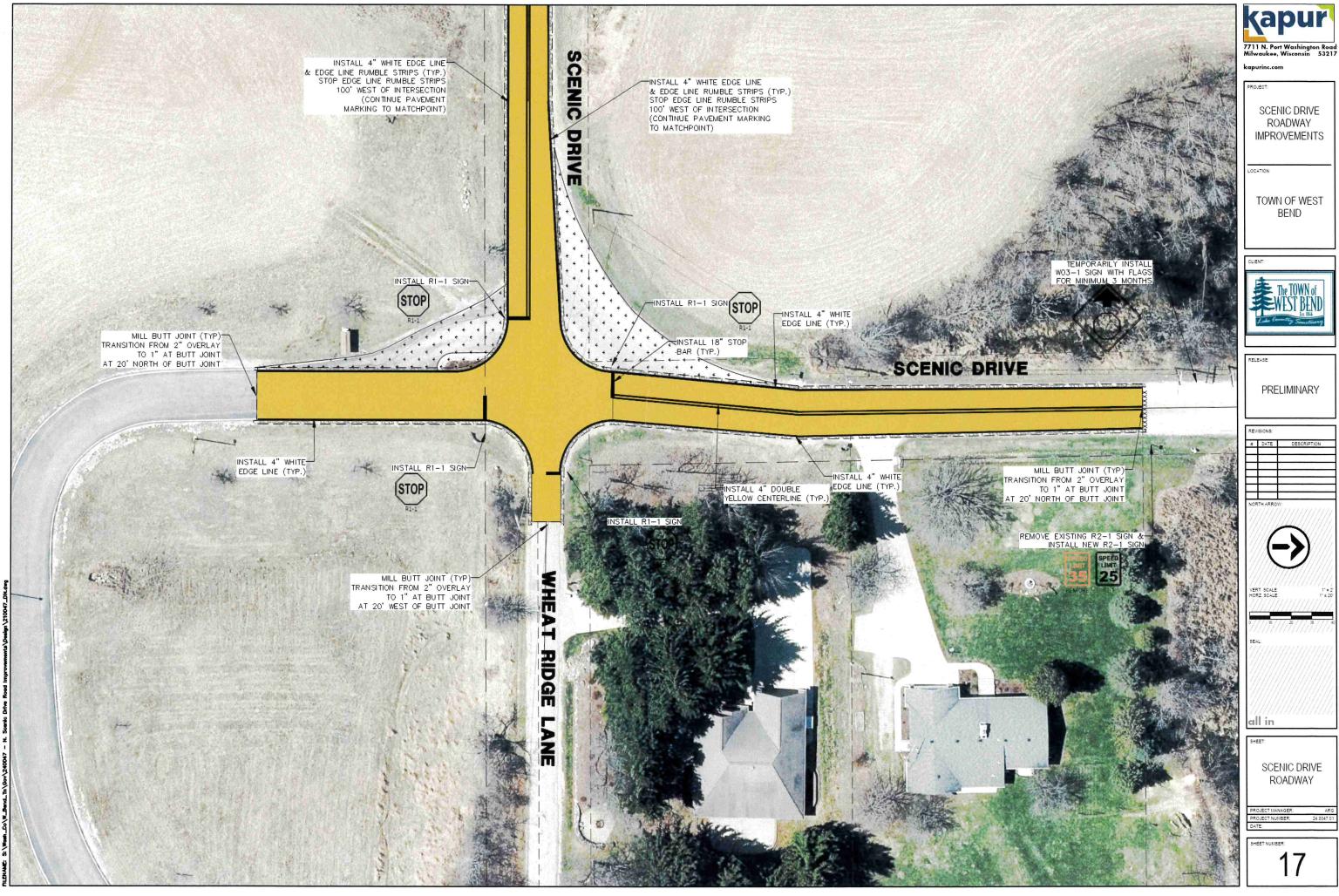
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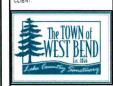
SCENIC DRIVE ROADWAY

15

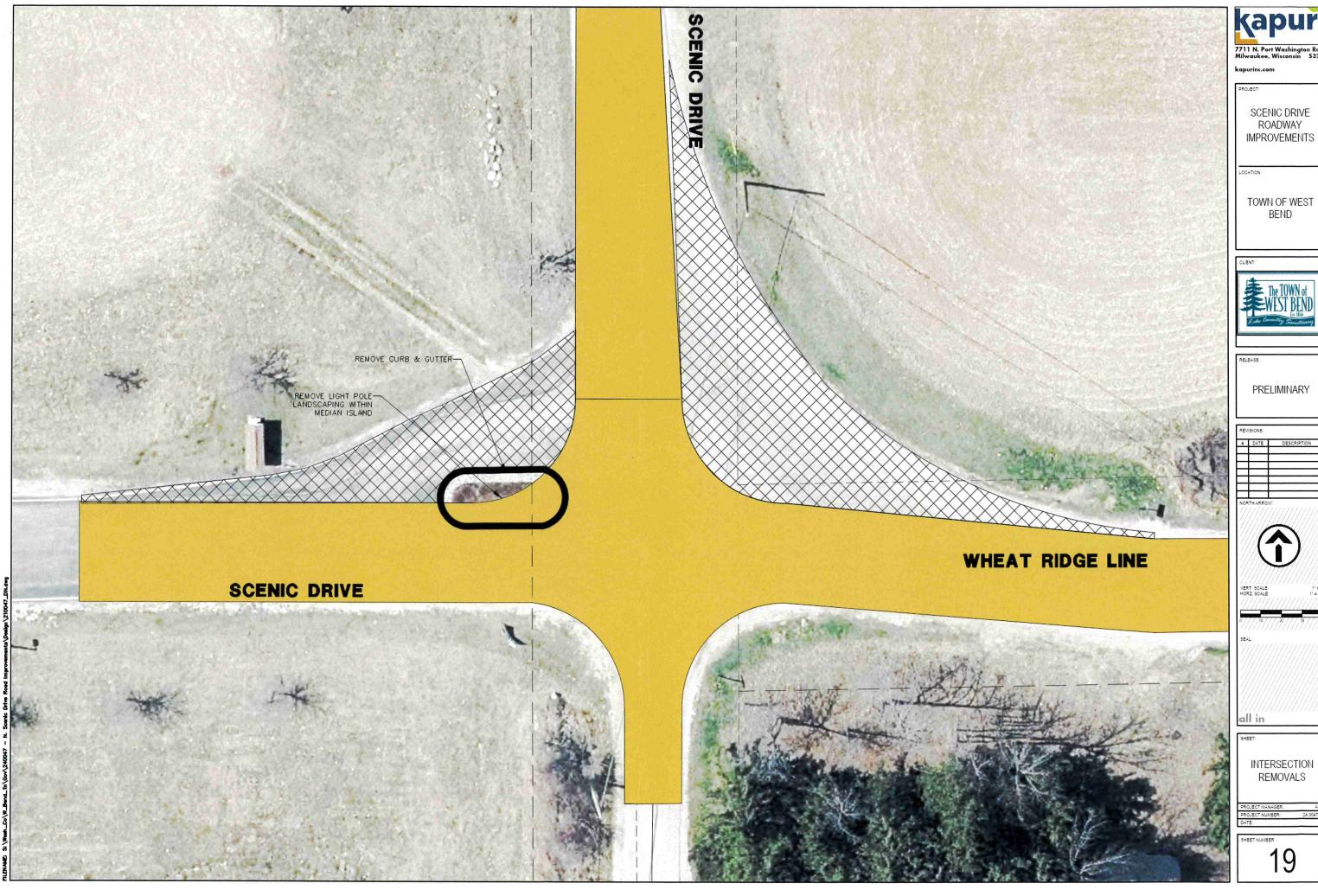








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