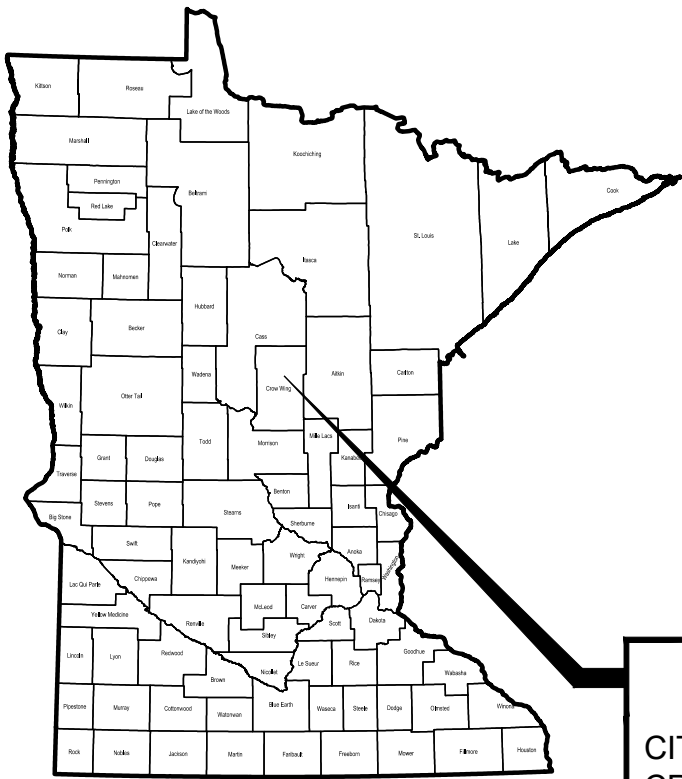


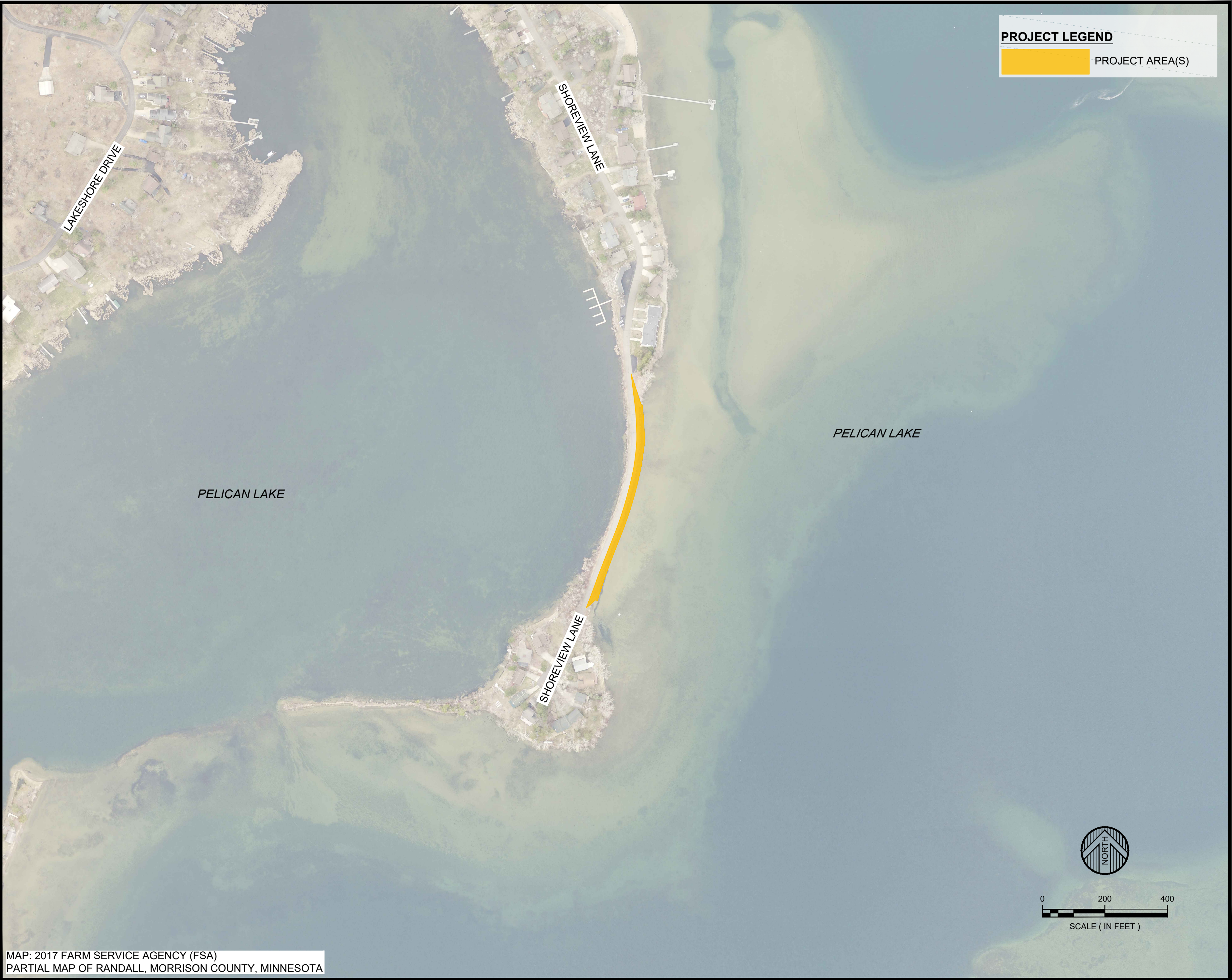
SHOREVIEW LANE ICE DAMAGE REPAIR

BREEZY POINT, MN



PROJECT LOCATION

CITY OF BREEZY POINT
CROW WING COUNTY, MINNESOTA



PROJECT LEGEND

PROJECT AREA(S)

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE 2020 SCHEDULE OF "MATERIALS CONTROL FOR 2020 STANDARD SPECIFICATIONS" SHALL GOVERN.

SHEET INDEX TABLE

SHEET NUMBERS	SHEET TITLE
C1.0	TITLE SHEET
C1.1	CIVIL PLAN LEGEND
C2.0	QUANTITIES, SECTIONS, & NOTES
C3.0	REMOVALS PLAN
C4.0	GRADING PLAN
C5.0	RESTORATION, SEEDING, & EROSION CONTROL PLAN
C5.1	RESTORATION GENERAL NOTES AND SPECIFICATIONS
C6.0	SWPPP NARRATIVE
C6.1	SWPPP MAPS

CITY OFFICIALS

MAYOR: ANGEL ZIERDEN
CITY COUNCIL: BRAD SCOTT
MICHAEL MORONI
REBECCA BALL
STEVE JENSEN
CITY ADMINSTRATOR: DAVID CHANSKI
PUBLIC WORKS DIRECTOR : JOE ZIERDEN












APPROVALS

RECOMMENDED FOR APPROVAL:  09/26/2024
CITY CONSULTING ENGINEER DATE


















RECOMMENDED FOR APPROVAL: _____
PUBLIC WORKS DIRECTOR DATE

MAP: 2017 FARM SERVICE AGENCY (FSA)
PARTIAL MAP OF RANDALL, MORRISON COUNTY, MINNESOTA







SURVEY MONUMENTS

	BENCH MARK
	FOUND CIM
	FOUND CPNT.
	FOUND JLM
	FOUND LATH
	FOUND PIPE
	FOUND READING
	STAKED CIM
	STAKED CPNT.
	STAKED JLM
	STAKED PIPE










EXISTING TOPO SYMBOLS

	AC UNIT
	FENCE POST
	FLAG POLE
	GUARD POST
	GUY ANCHOR
	GUY POLE
	HANDICAP SYMBOL
	MAILBOX
	SHRUB
	SIGN DOUBLE POST
	SIGN SINGLE POST
	TREE CONIFER
	TREE DECIDUOUS
	TREE STUMP
	TV DISH
	WETLAND SYMBOL
	YARD LIGHT



















EXISTING UTILITY MUNICIPAL SYMBOLS

	APRON
	LIFT STATION
	SANITARY CLEANOUT
	SANITARY MANHOLE
	STORM CATCH BASIN
	STORM INLET










EXISTING UTILITY MUNICIPAL SYMBOLS (cont.)

	STORM MANHOLE
	WATER CURB STOP
	WATER HANDHOLE
	WATER HYDRANT
	WATER MANHOLE
	WATER METER
	WATER VALVE
	WATER WELL
	UTILITY SIZE & TYPE





















EXISTING UTILITY PRIVATE SYMBOLS

	ELEC GROUND LIGHT
	ELEC HANDHOLE
	ELEC LIGHT POLE
	ELEC MANHOLE
	ELEC METER
	ELEC PEDESTAL
	ELEC POLE
	ELEC SIGNAL
	ELEC TRANSFORMER BOX
	GAS METER
	GAS VALVE
	LP TANK
	TELE HANDHOLE
	TELE MANHOLE
	TELE PEDESTAL
	TELE POLE
	TV HANDHOLE
	TV PEDESTAL

SOIL BORING SYMBOLS

	LASER-INDUCED FLUORESCENCE BORING
	LYSIMETER
	MONITOR WELL
	PERC TEST
	PIEZOMETER
	RECOVERY WELL
	SOIL BORING
	SOIL VAPOR POINT
	VAPOR SURVEY POINT



PROPOSED UTILITY MUNICIPAL SYMBOLS

	APRON PROPOSED
	SANITARY CLEANOUT PROPOSED
	SANITARY LIFT STATION PROPOSED
	SANITARY LIFT STATION VALVE MANHOLE PROPOSED
	SANITARY MANHOLE PROPOSED
	SANITARY PLUG PROPOSED
	STORM CATCH BASIN PROPOSED
	STORM MANHOLE PROPOSED
	WATER 11 1/4° BEND PROPOSED
	WATER 22 1/2° BEND PROPOSED
	WATER 45° BEND PROPOSED
	WATER 90° BEND PROPOSED
	WATER CAP PROPOSED
	WATER CROSS PROPOSED
	WATER CURB STOP PROPOSED
	WATER HYDRANT PROPOSED
	WATER REDUCER PROPOSED
	WATER SLEEVE PROPOSED
	WATER TEE PROPOSED
	WATER VALVE PROPOSED






PROPOSED UTILITY PRIVATE SYMBOLS

	ELEC LIGHT POLE PROPOSED
---	--------------------------

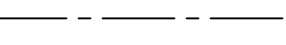

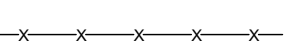
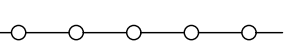
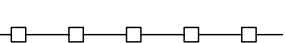


















EROSION CONTROL SYMBOLS

	SURFACE DRAINAGE ARROW
	STORM DRAIN INLET PROTECTION

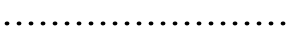
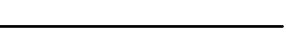
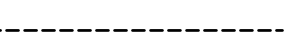
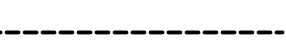
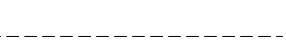



TRAFFIC CONTROL DEVICES & SYMBOLS

	TRAFFIC CONTROL SIGN (1 POST)
	TRAFFIC CONTROL SIGN (2 POST)
	TYPE III BARRICADE
	DRUM CHANNELIZER
	FLASHING ARROW OR MESSAGE BOARD

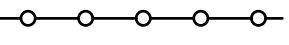
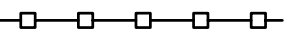
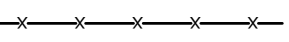
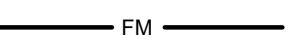
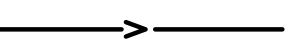


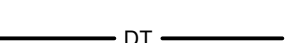


EXISTING TOPOGRAPHIC LINES

	CENTER LINE
	EDGE OF WOODS
	FENCE BARB WIRE
	FENCE CHAIN LINK
	FENCE WOOD
	FORCEMAIN
	OVERHEAD CABLE TV
	OVERHEAD ELECTRIC
	OVERHEAD TELE
	RAILROAD
	RETAINING WALL
	SANITARY SEWER
	SANITARY SEWER SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	UNDERGROUND CABLE TV
	UNDERGROUND ELECTRIC
	UNDERGROUND FIBER OPTIC
	UNDERGROUND GAS
	UNDERGROUND TELE
	WATERMAIN
	WATERMAIN SERVICE
	WETLAND EDGE

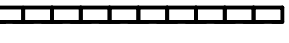
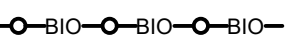
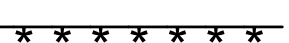
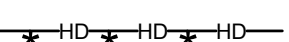
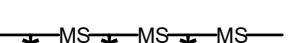


R/W, LOT & EASEMENTS LINES

	BUILDING SETBACK LINE
	LOT LINE PROPOSED
	EASEMENT LINE
	EASEMENT LINE PROPOSED
	LOT LINE
	MNDOT CONTROLLED ACCESS LINE
	RIGHT OF WAY EXISTING
	RIGHT OF WAY PROPOSED

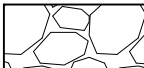

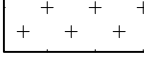





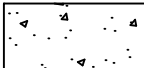
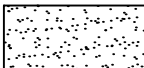

PROPOSED CONSTRUCTION LINES

	FENCE CHAIN LINK PROPOSED
	FENCE WOOD PROPOSED
	FENCE BARB WIRE PROPOSED
	FORCEMAIN PROPOSED
	SANITARY SEWER PROPOSED
	SANITARY SERVICE PROPOSED
	STORM SEWER PROPOSED
	STORM SEWER DRAIN TILE PROPOSED
	WATERMAIN PROPOSED
	WATERMAIN SERVICE PROPOSED

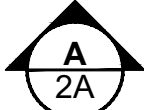
EROSION CONTROL LINES

	BALE CHECK
	BIO ROLL
	SILT FENCE
	SILT FENCE TYPE HEAVY DUTY
	SILT FENCE TYPE MACHINE SLICED
	SILT FENCE TYPE PREASSEMBLED
	FLOTATION SILT CURTAIN

HATCH PATTERN AND SHADING LEGEND

	RANDOM RIPRAP
	SOD
	SEED
	HYDRAULIC STABILIZER
	EROSION CONTROL BLANKET
	TEMP. ROCK CONSTRUCTION ENTRANCE
	BUILDING WALL HATCH
	BITUMINOUS SURFACE
	CONCRETE SURFACE
	GRAVEL SURFACE
	EASEMENT PATTERN

DOCUMENTATION SYMBOLS

	SECTION ARROW - SECTION NUMBER TOP; PAGE OF SECTION BOTTOM
---	--

WIDSETH

ARCHITECTS ■ ENGINEERS ■ SCIENTISTS ■ SURVEYORS

SHOREVIEW LANE ICE DAMAGE REPAIR

CITY OF BREEZY POINT

BREEZY POINT, MN

CIVIL PLAN LEGEND

SHEET NO.

C1.1

DATE: JUNE 2024

SCALE: AS SHOWN

DRAWN BY: JWR

CHECKED BY: DSR

JOB NUMBER: 2024-10650

REVISIONS

DESCRIPTION

DATE

REV


BY

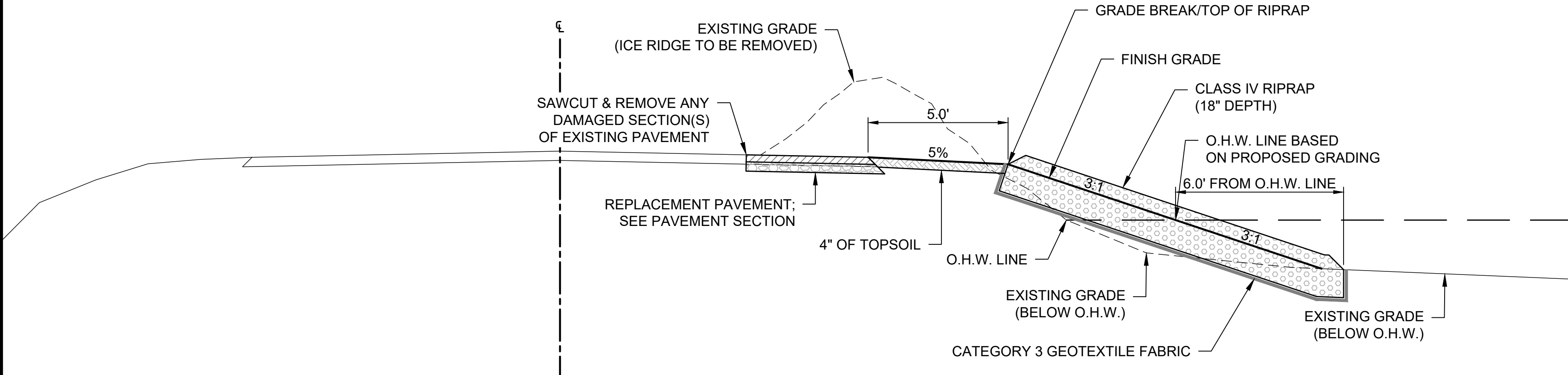
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LIC. NO. 2432

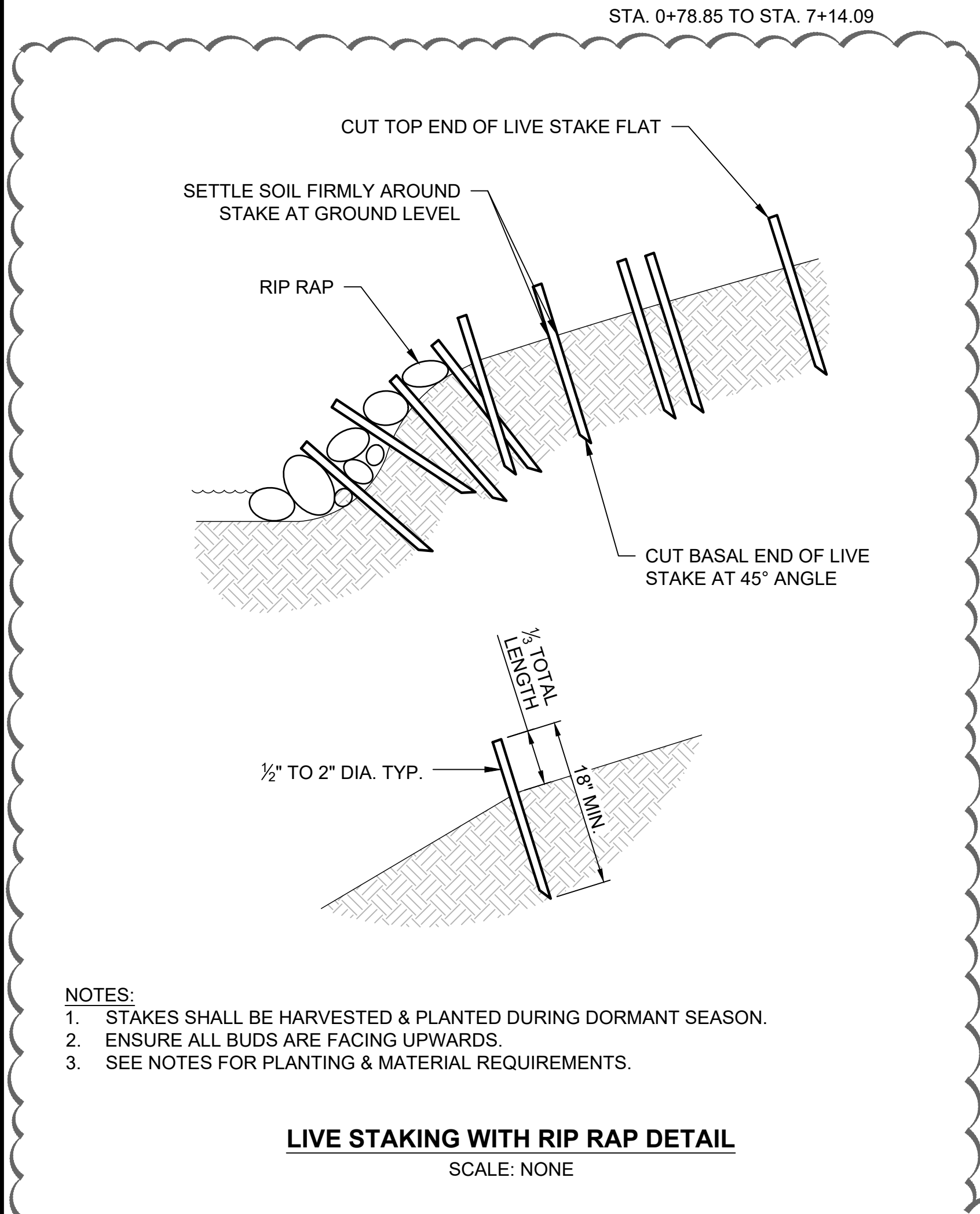
DAVID S. REESE

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.





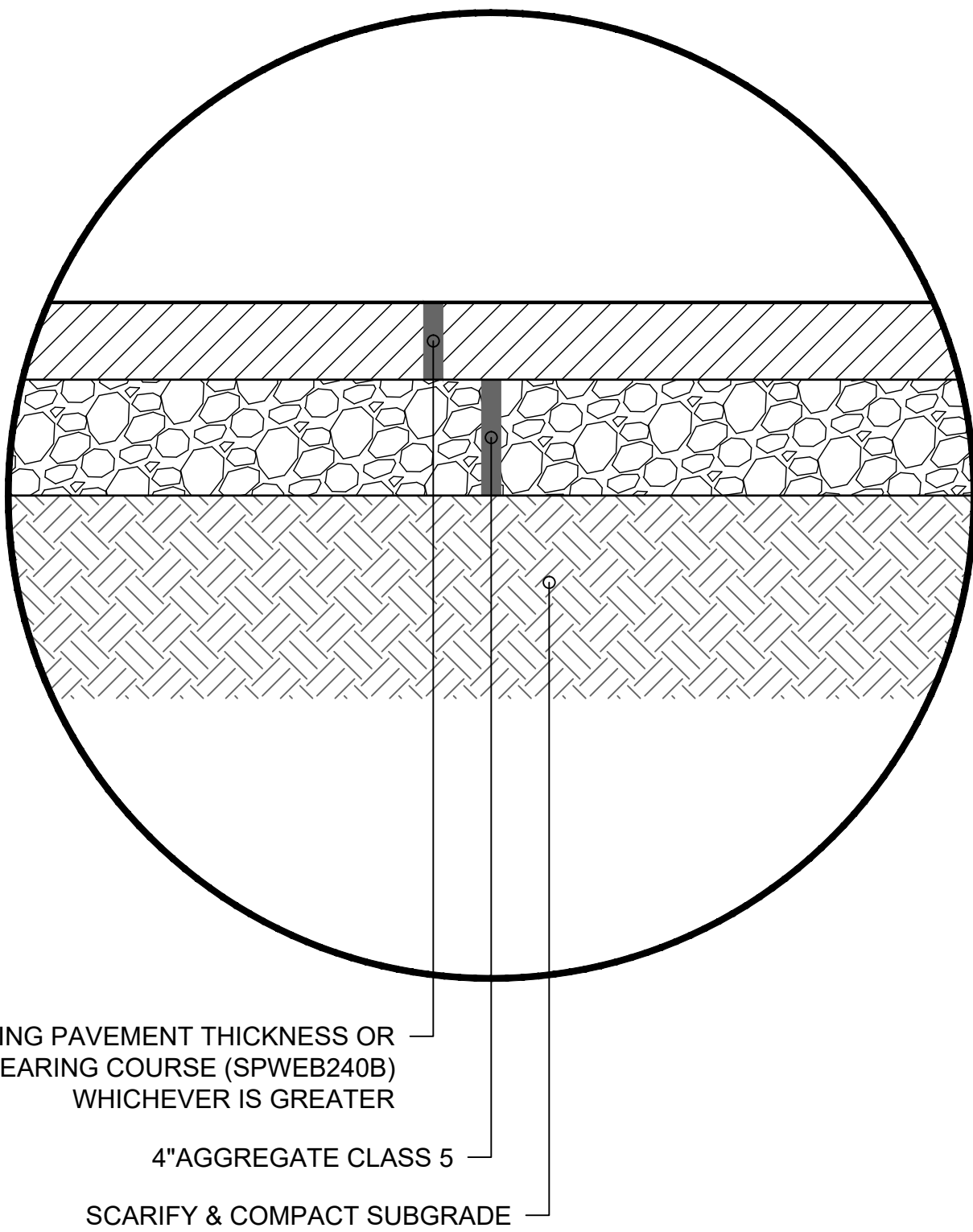
SHOREVIEW LANE TYPICAL SECTION



- NOTES:
- STAKES SHALL BE HARVESTED & PLANTED DURING DORMANT SEASON.
 - ENSURE ALL BUDS ARE FACING UPWARDS.
 - SEE NOTES FOR PLANTING & MATERIAL REQUIREMENTS.

LIVE STAKING WITH RIP RAP DETAIL

SCALE: NONE



REPAIR AREAS BITUMINOUS PAVING SECTION

SCALE: NONE

LIVE STAKE SPECIES PICK LIST							
ABBR.	SCIENTIFIC NAME	COMMON NAME	QTY.	SIZE (DIA.)	TYPE	SPACING	NOTES
CS	CORNUS SERICEA	RED-OSIER DOGWOOD	195 *	1/2" TO 2"	LIVE STAKE	SPACE RANDOMLY - NOT TO EXCEED 5 STAKES PER SQ.YD.	AREAS TO RECEIVE LIVE STAKES NOT TO EXCEED 2:1 MAX. SLOPE
AR	ALUS INCANA SSP. RUGOSA	SPECKLED ALDER					
SB	SALIX BEBBIANA **	BEBB'S WILLOW					
* LIVE STAKE QUANTITY IS CALCULATED BASED ON THE LINEAR LENGTH OF 10FT OF RIP RAP, WITH 3 PLANTS PER SAID 10FT, COVERING ENTIRE RIP RAP AREA							
** NO WILLOW SPECIES SHALL BE PLANTED WITHIN 10FT OF WATER'S EDGE; LANDSCALE CONTRACTOR TO FIELD VERIFY.							

GENERAL CONSTRUCTION NOTES

- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02. ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".
- THE ENGINEER HAS MADE AN ATTEMPT TO SHOW ALL PUBLIC UTILITIES WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT. PUBLIC UTILITIES SHOWN ON THIS PLAN WERE DRAWN USING FIELD SURVEY INFORMATION AND MAPS PROVIDED TO THE ENGINEER BY THE UTILITY COMPANIES AS A RESULT OF A GOPHER STATE ONE CALL DESIGN LOCATE REQUEST. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE LOCATIONS PRIOR TO BIDDING AND CONSTRUCTING THE PROJECT.
- ALL EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN ARE TO BE IN PLACE PRIOR TO BEGINNING REMOVALS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY OWNER OF ANY DIFFERENCES BETWEEN THE FIELD AND PLAN.
- UNLESS OTHERWISE NOTED, ALL MATERIALS, CONSTRUCTION TECHNIQUES AND TESTING SHALL CONFORM TO THE 2013 EDITION OF THE "STANDARD SPECIFICATIONS FOR TRENCH EXCAVATION AND BACKFILL/SURFACE RESTORATION, WATERMAIN AND SERVICE LINE INSTALLATION AND SANITARY SEWER AND STORM SEWER INSTALLATION" AS PUBLISHED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA AND THE "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AS PUBLISHED BY THE MINNESOTA DEPARTMENT OF TRANSPORTATION, 2020 EDITION. THE CONTRACTOR SHALL REQUIRE ALL PROCEDURES AS OUTLINED BY THE LOCAL AGENCY.
- THE CONTRACTOR SHALL RECEIVE THE NECESSARY PERMISSION/PERMITS FOR ALL WORK LOCATED OUTSIDE OF THE MUNICIPAL RIGHT-OF-WAY AND PROPERTY LIMITS.

GENERAL GRADING NOTES

- ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.
- HAULING HOURS MUST BE CONFIRMED WITH THE CITY PRIOR TO BEGINNING WORK.
- SPOT ELEVATIONS SHOWN INDICATE FINISHED PAVEMENT ELEVATIONS, GUTTER FLOW LINE OF CURB GUTTER (FL), BACK OF CURB ELEVATIONS (TC), TOP OF SIDEWALK (TW), AND FINISHED SURFACE GRADE, UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE GRADED TO 3:1 OR FLATTER, UNLESS OTHERWISE NOTED ON THE PLANS.

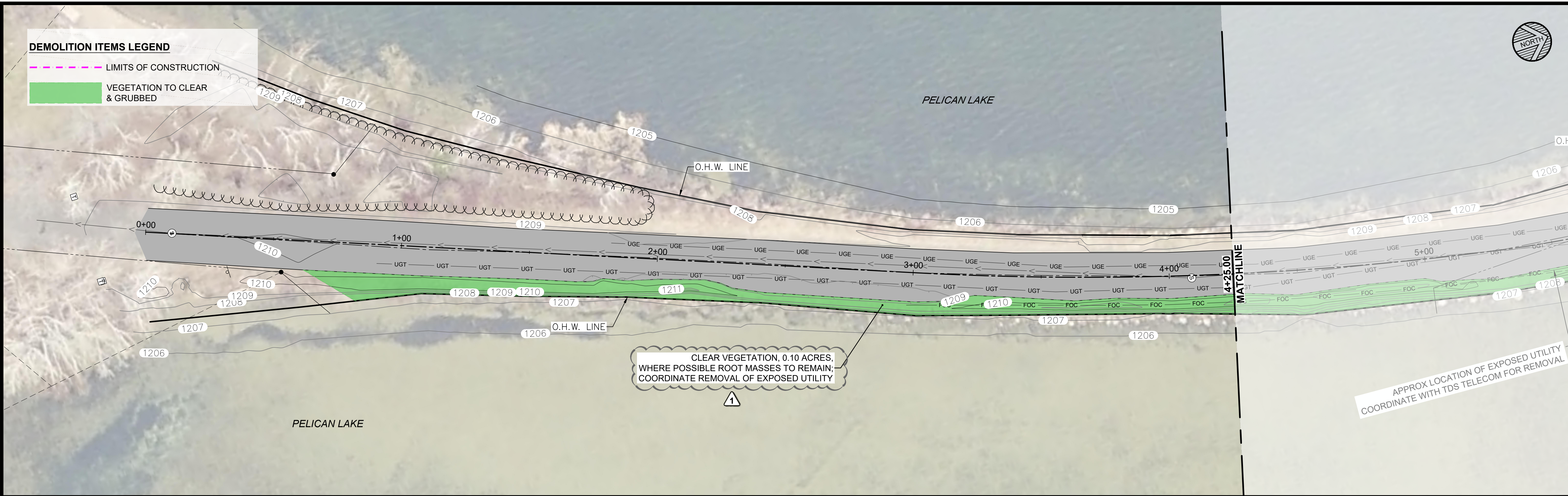
GENERAL EROSION CONTROL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPPDES) PERMIT REQUIREMENTS.
- ALL SILT FENCE AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EXCAVATION/CONSTRUCTION AND SHALL BE MAINTAINED UNTIL VIABLE TURF OR GROUND COVER HAS BEEN ESTABLISHED. MAINTENANCE AND REMOVAL OF SEDIMENT CONTROL DEVICES SHALL BE INCIDENTAL TO THE GRADING CONTRACT.
- ALL STREETS UTILIZED FOR PROJECT CONSTRUCTION MUST BE CLEANED AT THE END OF EACH DAY. A ROCK ENTRANCE TO THE SITE MUST BE PROVIDED ACCORDING TO THE DETAILS TO REDUCE TRACKING OF SEDIMENT ONTO PUBLIC STREETS. STREET SWEEPING MAY BE NECESSARY AND WILL BE CONSIDERED INCIDENTAL.
- ALL EXPOSED SOILS MUST BE SEEDED AND STABILIZED WITHIN 7 CALENDAR DAYS OF ROUGH GRADE COMPLETION OF AFTER CONSTRUCTION TERMINATES. ALL STOCKPILES SHALL HAVE ADEQUATE SEDIMENT TRAPPING SYSTEMS INSTALLED AROUND THEM.
- ALL AREAS TO BE ESTABLISHED TO GRASS COVER SHALL RECEIVE 4" OF TOPSOIL AND SOD OR SEED. THESE AREAS SHALL BE WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- SEE PLAN LEGEND FOR A COMPLETE LIST OF HATCHES AND SYMBOLS USED FOR EROSION CONTROL.

STATEMENT OF ESTIMATED QUANTITIES					
SHEET NO.	NOTES	SPEC NO.	DESCRIPTION	UNIT	TOTAL ESTIMATED QUANTITY
C3.0	LEAVE ROOT MASS INPLACE WHERE POSSIBLE	2021.501	MOBILIZATION	LUMP SUM	1
		2101.505	CLEARING	ACRE	0.1
C3.0		2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	90
C4.0		2105.607	COMMON EXCAVATION	CU YD	113
C4.0		2105.607	COMMON BORROW (CV)	CU YD	91
C5.0		2108.504	GEOTEXTILE FABRIC TYPE 3	SQ YD	1034
C5.0		2211.507	AGGREGATE BASE (CV) CLASS 5	CU YD	18.6
C5.0		2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2;B)	TON	30
C5.0		2511.507	RANDOM RIPRAP CLASS IV	CU YD	422
		2563.601	TRAFFIC CONTROL	LUMP SUM	1
C5.0		2564.502	DELINEATOR TYPE X4-3	EACH	13
		2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1
C5.0		2573.503	FLOTATION SILT CURTAIN TYPE STILL WATER	LIN FT	678
C5.0		2574.507	COMMON TOPSOIL BORROW	CU YD	36
C5.0		2574.508	FERTILIZER TYPE 3	POUND	40
C5.0		2575.505	SEEDING	ACRE	0.06
C5.0		2575.508	SEED MIXTURE 21-111	POUND	7
C5.0		2575.508	SEED MIXTURE 25-141	POUND	27
C5.0		2575.508	HYDRAULIC MULCH MATRIX	POUND	234
C5.0		2577.502	LIVE STAKES	EACH	195

DEMOLITION ITEMS LEGEND

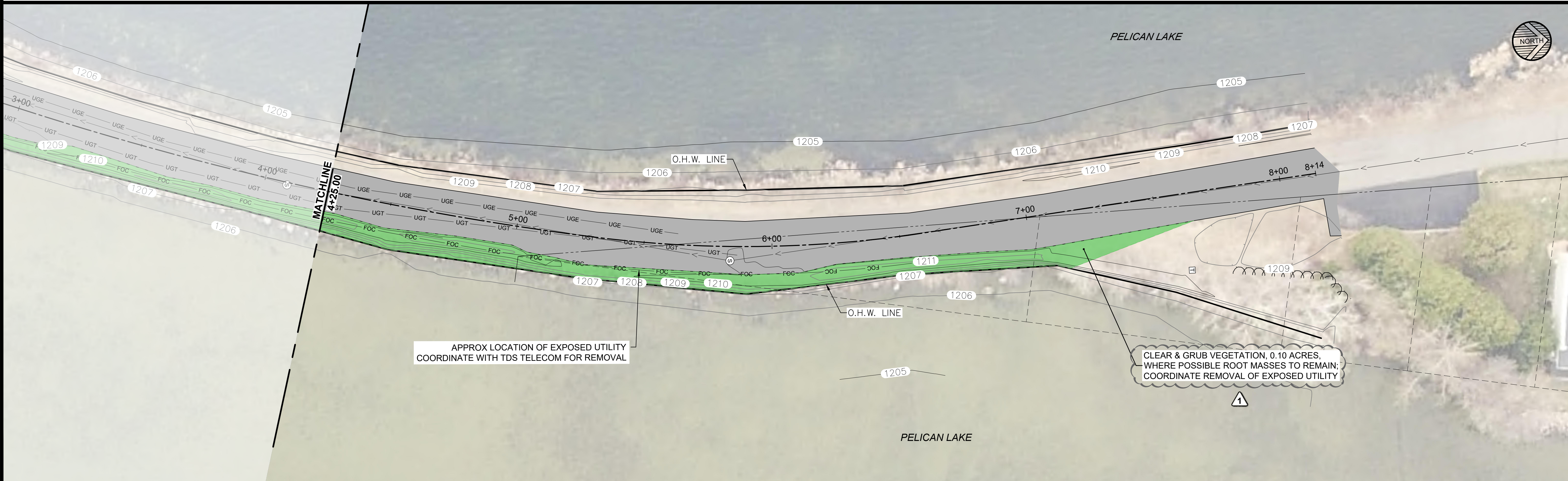
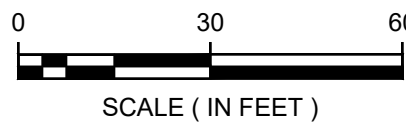
- LIMITS OF CONSTRUCTION
- VEGETATION TO CLEAR & GRUBBED

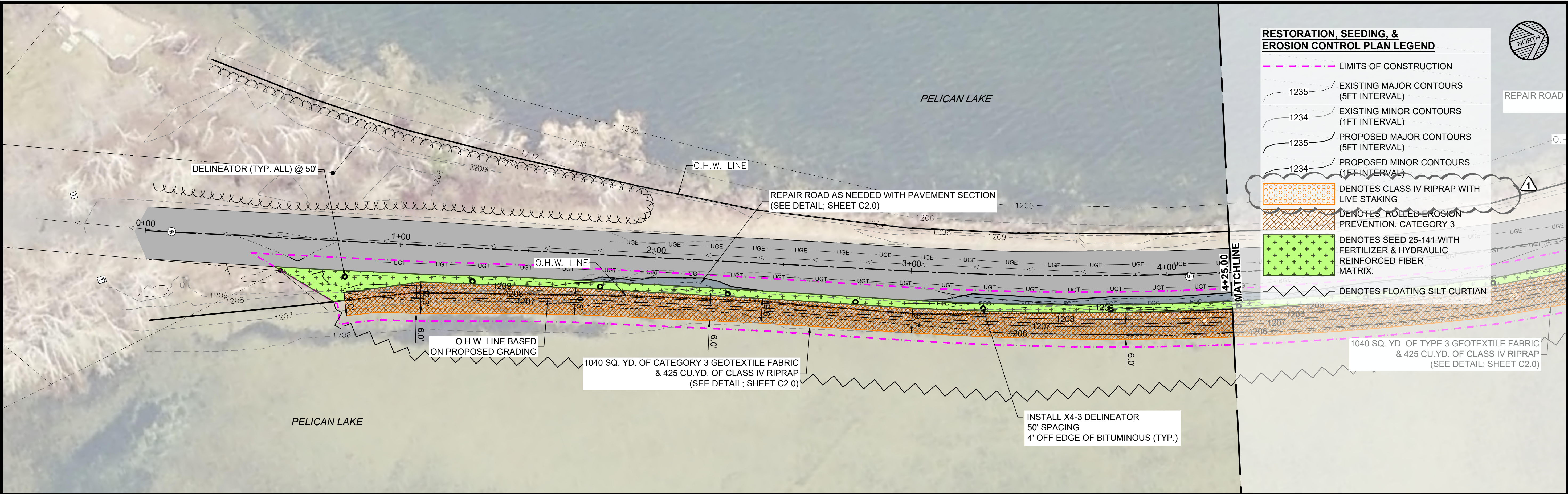


SUBSURFACE UTILITY NOTE

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF ALL UTILITIES.

REMOVALS PLAN





SUBSURFACE UTILITY NOTE
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02. ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA"
CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF ALL UTILITIES.

RESTORATION, SEEDING, & EROSION CONTROL PLAN

