MINNESOTA DEPARTMENT OF TRANSPORTATION LINCOLN COUNTY

	CONSTR	JCTION PLAN FO	REPLACEMENT	OF BRIDGE NO. L209	8 WITH 1 LINE OF 14'X	(6' R.C. BOX CULVERT	-		
LOCATED ON	270T				VE. AND CR. 104 IN S			Geographic description)	
	FROM _	NORTHEAST CORN	ER SEC. 11-T111N-R46W	TO NORTHEAST	CORNER OF SEC. 12-1	Γ111N-R46W (Legal	description)		
PLANS SYMBO STATE LINE COUNTY LINE TOWNSHIP OR RANGE LINE SECTION LINE QUARTER LINE PRESENT ROW TEMPORARY EASEMENT CONTROL OF ACCESS LINE PROPERTY LINES VACATED PLATTED PROPERT CORPORATE OR CITY LIMITS RETAINING WALL RAILROAD RAILROAD RIGHT-OF-WAY DRAINAGE DITCH DRAIN TILE CULVERT DROP INLET			B.O.P. ST	A. 41+74	GROSS LENG BRIDGES-LE EXCEPTIONS NET LENGTH BR OL	RIDGE STA. 42+74 LD BR. #L2098 EW BR. #41J84	T. 0 MI. T. 0 MI. T. 0.038 MI.	E.O.P. \$	STA. 43+74
GUARD RAIL BARBED WIRE FENCE WOVEN WIRE FENCE CHAIN LINK FENCE RAILROAD SNOW FENCE SWAMP TIMBER ORCHARD BRUSH NURSERY CATCH BASIN		X W W C-L Y C-L	101> 34	35	36	7.5° SKEW	32	33	
FIRE HYDRANT BUILDING (ONE STORY FRAME F - FRAME C - CONCRETE S - STONE T - TILE B - BRICK ST - STUCCO IRON PIPE OR ROD MONUMENT (STONE, CONC. OI WOODEN HUB GRAVEL PIT SAND PIT		(S)	3_	2	1	, 6	5/		3
BORROW PIT ROCK QUARRY UTILITIES SYM! POWER POLE LINE TELEPHONE LINE		B O	10	11	12	7	8	9	10 (
JOINT TELEPHONE AND POWER I ANCHOR STEEL TOWER STREET LIGHT PEDESTAL (TELEPHONE CABLE I GAS MAIN WATER MAIN CONDUIT TELEPHONE CABLE IN CONDUIT ELECTRIC CABLE IN CONDUIT TELEPHONE MANHOLE ELECTRIC MANHOLE	Δ	OHP/T— ←	15 (02) 14 A N	13 10	4 18	LAK	75) ₁₆	15
BURIED TELEPHONE CABLE BURIED POWER CABLE SEWER (SANITARY OR STORM) SEWER MANHOLE POWER POLE		T-BUR ————————————————————————————————————		OKATAN		19 CURTIS	20	LAK 21	22
							SCALI	E: 1 MILE	

FEDERAL PROJECT NO.

SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED SEPTEMBER 2022 SHALL GOVERN.

INDEX

- 1.) TITLE SHEET
- 2.) ESTIMATED QUANTITIES
- 3.) GENERAL PLAN AND ELEVATION
- 4.) STAKEOUT
- 5-6.) BARREL & END SECTION DETAILS
- 7.) EMBANKMENT PROTECTION
- 8.) EROSION & SEDIMENT CONTROL PLAN
- 9.) EROSION & SEDIMENT CONTROL DETAILS
- 10.) PLAN & PROFILE
- 11.) BRIDGE SURVEY SHEET
- 12.) SWPPP
- 13.) TRAFFIC CONTROL

THIS PLAN CONTAINS 13 SHEETS

DESIGN DESIGNATION

R-VALUE	
ADT (2022)	LESS THAN 50
Proj. ADT (2042)	LESS THAN 50
Proj. HCADT (2042)	
Soil Factor	
Shoulder Width	1 FT.
OR	
FUNCTIONAL CLASSIFICATION	LOCAL
NO. OF TRAFFIC LANES2_	NO. OF PARKING LANES _O_
DESIGN SPEED	30 MPH
BASED ON STOPPING SIGHT DI	STANCE
HEIGHT OF EYE 3.5 FT. HEI	GHT OF OBJECT 2.0 FT.
DESIGN SPEED NOT ACHIEVED	AT: <u>N/A</u>
STA TO STA	

LOCAL	AGENCY	SIGNATI	IDEQ.

Signature: Typed or Printed Name: Joseph M. Wilson Design Engineer: I hereby certify that this plan was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Date: 1-4-23

Approved: Lincoin County Engineer

1-4-23

District State-Aid Engineer: Reviewed for Compliance with State-Aid Rules/Policy

State-Aid Engineer: Approved for State Aid Funding

S.A.P. NO. <u>041-599-069</u>

SHEET NO. 1 OF 13

ESTIMATED QUANTITIES

NOTES	ITEM NO.	ITEM	UNITS	TOTAL PARTICIPATING	TOTAL NON-PARTICIPATING	TOTAL ESTIMATED QUANTITIES
	2021.501	MOBILIZATION	LUMP SUM	1		1
1	2118.509	AGGREGATE SURFACING CLASS 1	TON		162	162
2	2412.502	14X6 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	2		2
3,4	2412.503	14X6 PRECAST CONCRETE BOX CULVERT	LIN FT	42		42
5,6	2442.501	REMOVE EXISTING BRIDGE	LUMP SUM		1	1
7	2451.507	COARSE FILTER AGGREGATE (CV) (P)	CU YD 156		156	
8	2451.609	GRANULAR BACKFILL	TON	150		150
9	2502.503	6" PERF PE PIPE DRAIN	LIN FT		20	20
10	2502.602	DRAIN OUTLET DESIGN SPECIAL	EACH		1	1
11,12	2511.509	RANDOM RIPRAP CLASS III	TON	144		144
	2563.601	TRAFFIC CONTROL	LUMP SUM	1		1
13	2564.502	INSTALL MARKER	EACH		2	2
	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT		30	30
	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	SQ YD		248	248
14	2575.505	SEEDING	ACRE		0.5	0.5
15	2575.505	DISK ANCHORING	ACRE		0.5	0.5
	2575.508	SEED MIXTURE 21-111	POUND		31	31
	2575.508	SEED MIXTURE 25-142	POUND		23	23
15	2575.509	MULCH MATERIAL TYPE 1	TON		11	1

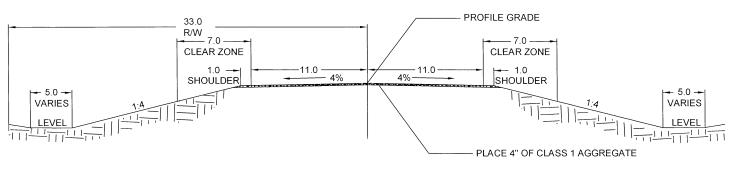
UTILITY CONTACTS

LINCOLN COUNTY ENVIRONMENTAL OFFICE 221 NORTH WALLACE AVENUE P.O. BOX 66 IVANHOE. MN (507)694-1344

BASIS FOR PLANNED QUANTITIES					
AGGREGATE SURFACING CLASS 1 140 LBS./CUBIC FOOT (CV)					
QUARRY RUN RIP-RAP	1.3 TONS/CUBIC YARD				
SEED MIXTURE 21-111	62 LBS./ACRE (PLS RATE)				
SEED MIXTURE 25-142	45 LBS./ACRE (PLS RATE)				
MULCH MATERIAL TYPE 1	2 TONS / ACRE				
GRANULAR BACKFILL	1.8 TONS / CUBIC YARD				

STANDARD PLATES				
PLATE NO.	DESCRIPTION			
8000 K	CHANNELIZERS TYPE A, TYPE B, TYPE C.			
*THESE STANDARD PLATES ARE APPROVED BY THE				
FEDERAL HIGHWAY ADMINISTRATION AND SHALL APPLY ON				
THIS PROJECT	Γ.			

PROPOSED TYPICAL SECTION TOWNSHIP ROAD



GENERAL CONSTRUCTION NOTES:

- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS 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 INFORMATION SHOWN ON THESE PLANS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- CONTRACTOR IS RESPONSIBLE FOR NOTIFYING GOPHER STATE ONE CALL PRIOR TO CONSTRUCTION (PHONE NO. 1-800-252-1166).
- CONTRACTOR SHALL COORDINATE WORK WITH OTHER UTILITY CONTRACTORS, WORK MAY BE ADJACENT AND WITHIN THE PROJECT LIMITS. NO COMPENSATION WILL BE MADE FOR THE COORDINATION WITH THE UTILITIES.
- CONTRACTOR SHALL MAINTAIN CONSTRUCTION WORK WITHIN THE PROJECT LIMITS AS SHOWN ON THE PLANS. ANY DAMAGE OUTSIDE THE CONSTRUCTION LIMITS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- (P) INDICATES PLANNED QUANTITY.

NOTES:

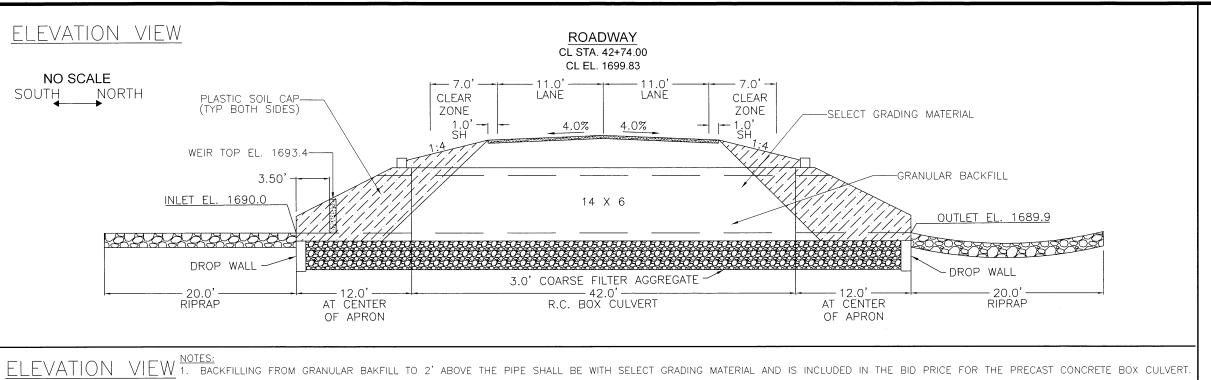
- 1. QUANTITY FOR AGGREGATE SURFACING CLASS 1 IS CALCULATED AT 4" IN THICKNESS BETWEEN STATIONS STA. 41+74 TO STA. 43+74 AND INCLUDES AN ADDITIONAL 50 TON TO ACCOUNT FOR NECESSARY ROAD REPAIRS DUE TO DAMAGE DONE DURING CONSTRUCTION.
- 2. PRECAST CONCRETE BOX CULVERT END SECTIONS SHALL BE TYPE 1 FOR A 7.5° SKEW, INLET END SECTION PIECE WILL CONSIST OF A WEIR WALL SHOWN IN DROP WALL DETAIL ON SHEET 3, WEIR WALL WILL BE MANUFACTURED BY PIPE MANUFACTURER.
- 3. MASTIC JOINT SEALER SHALL BE APPLIED TO THE ENTIRE JOINT AREA AND TO LIFT HOLE PLUGS. GEOTEXTILE MATERIAL SHALL ALSO BE INSTALLED ON THE ENTIRE JOINT AREA OF THE PIPE. MASTIC JOINT SEALER, GEOTEXTILE MATERIAL, AND PIPE TIES SHALL BE INCLUDED IN THE BID PRICE FOR PRECAST CONCRETE BOX CULVERTS.
- 4. ALL EXCESS EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR. COST OF SAID DISPOSAL SHALL BE INCLUDED IN THE BID PRICE FOR PRECAST CONCRETE BOX CULVERT.
- 5. PRIOR TO PERFORMING EXCAVATION AND EMBANKMENT OPERATIONS WITHIN THE PROJECT LIMITS THE CONTRACTOR SHALL SALVAGE AND STOCKPILE THE TOPSOIL IN A LOCATION OF THE CONTRACTOR'S CHOICE, ON THE PROJECT SITE. UPON COMPLETION OF ALL GRADING OPERATIONS, THE CONTRACTOR SHALL DEPOSIT AND SPREAD THE TOPSOIL IN A UNIFORM LAYER ON THE SUBSOIL. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR REMOVAL OF THE EXISTING STRUCTURE. ANY EXCAVATED ROCK IS INCLUDED IN THE BID PRICE FOR THE REMOVAL OF BRIDGE.
- 6. EXISTING BRIDGE BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE. THE CONCRETE SHALL BE REMOVED AND DISPOSED AT AN APPROVED LANDFILL OR REUSED/RECYCLED ACCORDING TO LOCAL, STATE, AND FEDERAL
- THE GRADATION FOR COARSE FILTER AGGREGATE SHALL CONFORM TO SPEC 3149.2H.
- BACKFILLING SHALL OCCUR IN LIFTS NOT EXCEEDING 0.5 FEET IN DEPTH. THE CONTRACTOR SHALL USE HAND OPERATED COMPACTION EQUIPMENT AROUND THE PIPE CULVERT TO ATTAIN DENSITY.
- 9. QUANTITIES AND TILE SIZES ARE ESTIMATED BY COMMUNICATION WITH THE LAND OWNER AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO REPLACEMENT OF THE TILE.
- 10. BID ITEM INCLUDES A 10' CORRUGATED STEEL PIPE OR PE DUAL WALL PPE, RODENT GUARD, ANY FITTINGS REQUIRED TO MAKE CONNECTION, AND DISPOSAL OF EXISTING MATERIAL REMOVAL.
- 11. INSTALLATION SHALL BE IN ACCORDANCE WITH SPECS, 2511 & 3601. TYPE 7 GEOTEXTILE FILTER SHALL CONFORM TO SPEC. 3733. THIS ITEM IS INCLUDED IN THE BID PRICE FOR THE PLACEMENT OF RIP RAP.
- 12. THE CONTRACTOR SHALL USE QUARRY RUN RIP RAP.
- 13. CULVERT MARKER TO BE FURNISHED BY THE COUNTY
- 14. THE AREAS TO BE SEEDED SHALL BE COMPRISED OF ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. PRIOR TO THE SEEDING OPERATION THE AREAS SHALL BE CLEARED OF ALL DEBRIS (INCLUDING TREE ROOTS, WEEDS, ROCKS, ETC.). ANY DEBRIS ENCOUNTERED WHILE PREPARING THE AREAS FOR SEEDING SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE PROJECT IN A SUITABLE DISPOSAL AREA PROVIDED BY THE CONTRACTOR AS APPROVED BY THE ENGINEER. THE PREPARATION FOR SEEDING, REMOVAL AND HAULING OF DEBRIS IS INCLUDED IN THE BID PRICE FOR SEEDING.
- 15. MULCH MATERIAL TYPE 1 SHALL BE USED IN DISTURBED AREAS IN WHICH BLANKET IS NOT USED AND SHALL BE DISK ANCHORED.

ESTIMATED QUANTITIES

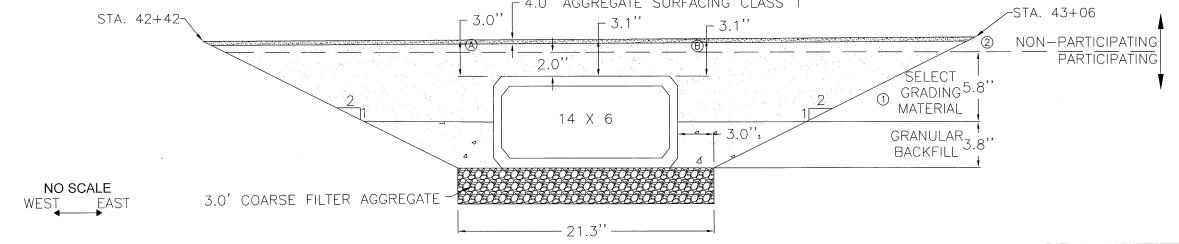
CERTIFIED BY LICENSED ENGINEER

LIC. NO. <u>54947</u> DATE: <u>1-4-23</u>

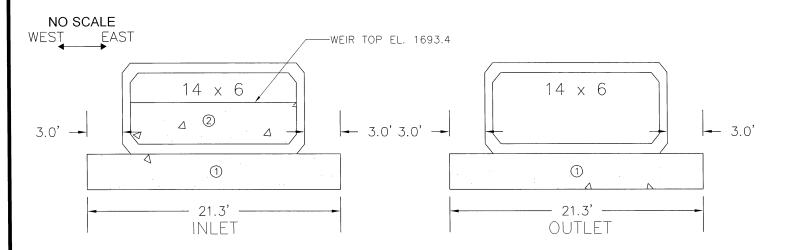
S.A.P. NO. <u>041-599-069</u> SHEET NO. <u>2</u> OF <u>13</u>



2. BACKFILLING FROM 2' ABOVE THE PIPE TO GRADING SHALL BE WITH SELECT GRADING MATERIAL AND IS INCLUDED IN THE BID PRICE FOR THE REMOVAL OF THE EXISTING BRIDGE. -4.0" AGGREGATE SURFACING CLASS 1



DROP WALL DETAILS



DROP WALL NOTES:

- DROP WALL ON 14 X 6 END SECTIONS SHALL EXTEND 3' BEYOND THE WALLS OF THE END SECTION ON THE OUTERMOST SIDE. THE PLACEMENT OF THE DROP WALLS SHALL BE INCLUDED IN THE BID FOR THE END SECTION.
- 2. WEIR WALL WILL BE PLACE 3.5' FROM END OF APRON, WEIR WALL WILL BE 3.4' IN HEIGHT. WEIR WILL BE PLACE IN THE INLET OF BOX CULVERT, SPECS WILL BE DETERMINED BY MANUFACTURE OF PIPE.

DESIGN DATA

DESIGNED IN ACCORDANCE WITH 2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

HL-93 LIVE LOAD BARREL A INSIDE WIDTH = 14 FT BARREL A INSIDE HEIGHT = 6 FT

BARREL LENGTH = 42 FT EACH EST. MIN. FILL DEPTH $(\widehat{A}) = 2.7 \text{ FT}$ EST. MAX. FILL DEPTH (B) = 3.1 FTSKEW ANGLE = 7.5°

DESIGN SPEED = 30 MPH CURRENT ADT (2022) = LESS THAN 50 PROJECTED ADT (2042) = LESS THAN 50

BRIDGE OPERATING RATING FACTOR RF = 1.3

	LIST OF SHEETS
NO.	DESCRIPTION
1.	TITLE SHEET
2.	ESTIMATED QUANTITIES
3.	GENERAL PLAN AND ELEVATION
4.	STAKEOUT
5-6.	BARREL & END SECTION DETAILS
7.	EMBANKMENT PROTECTION
8.	EROSION & SEDIMENT CONTROL PLAN
9.	EROSION & SEDIMENT CONTROL DETAILS
10.	PLAN & PROFILE
11.	BRIDGE SURVEY SHEET
12.	SWPPP
13.	TRAFFIC CONTROL

CONSTRUCTION NOTES:

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL EXPOSED CONCRETE EDGES SHALL BE FORMED WITH A $\frac{1}{2}$ " OR $\frac{3}{4}$ " CHAMFER UNLESS OTHERWISE NOTED.

CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPEC. 2411 AND 2412, EXCEPT AS NOTED.

REFER TO REMAINDER OF GRADING PLAN FOR SUPERSTRUCTURE EXCAVATION AND BACKFILL.

THE BAR SIZES SHOWN IN THIS PLAN ARE IN U.S. CUSTOMARY DESIGNATIONS.

REFER TO ESTIMATED QUANTITIES SHEET FOR THE SUBSURFACE UTILITY INFORMATION.

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

NAME: JOSEPH M. WILSON

LIC NO. 54947

DATE 11-29-22

BRIDGE NO. 41J84 LOCATION: TWNS. 42

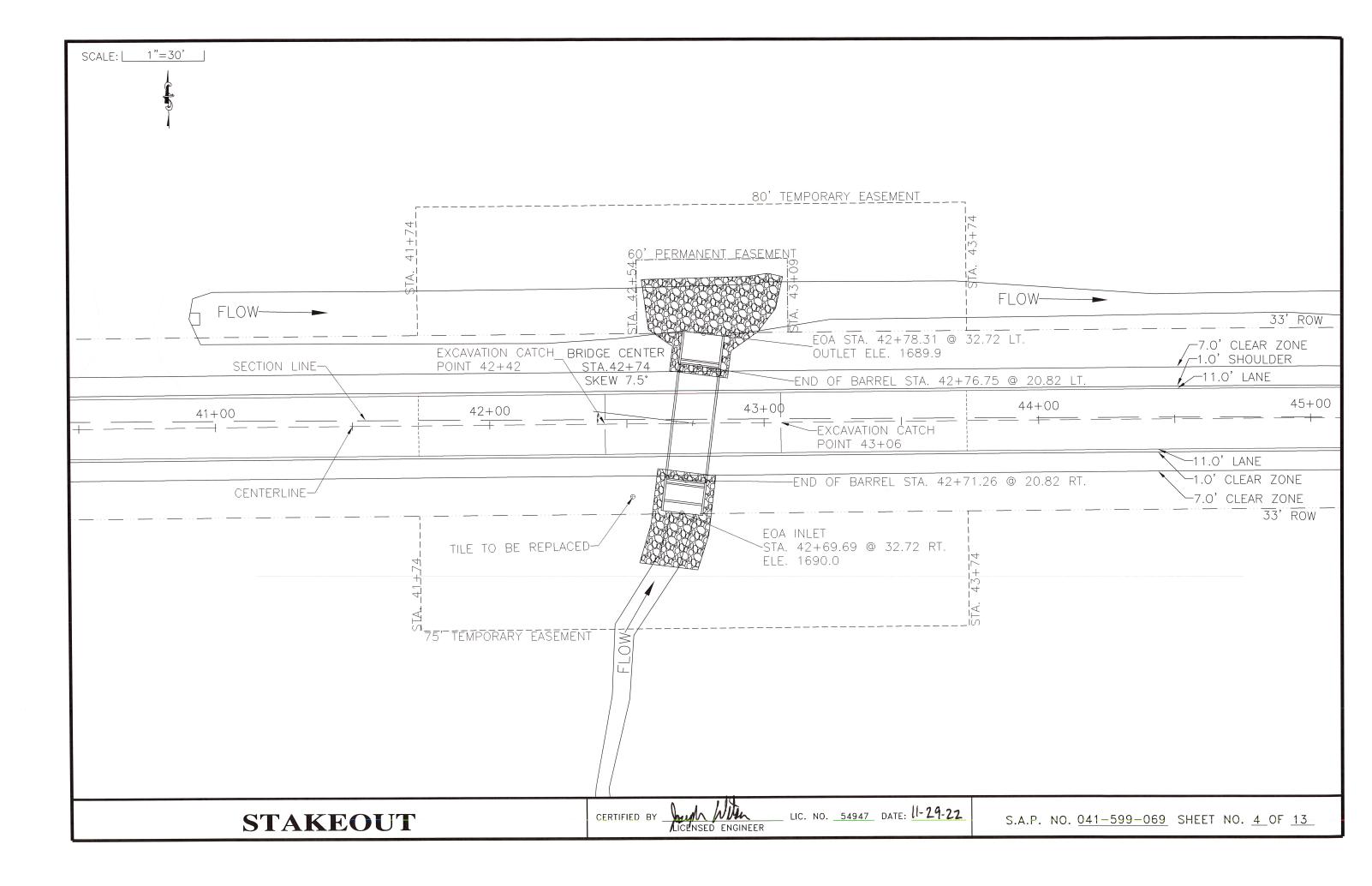
MAIN <u>14</u> x <u>6</u> MNDOT STD. PRECAST CONCRETE CULVERT

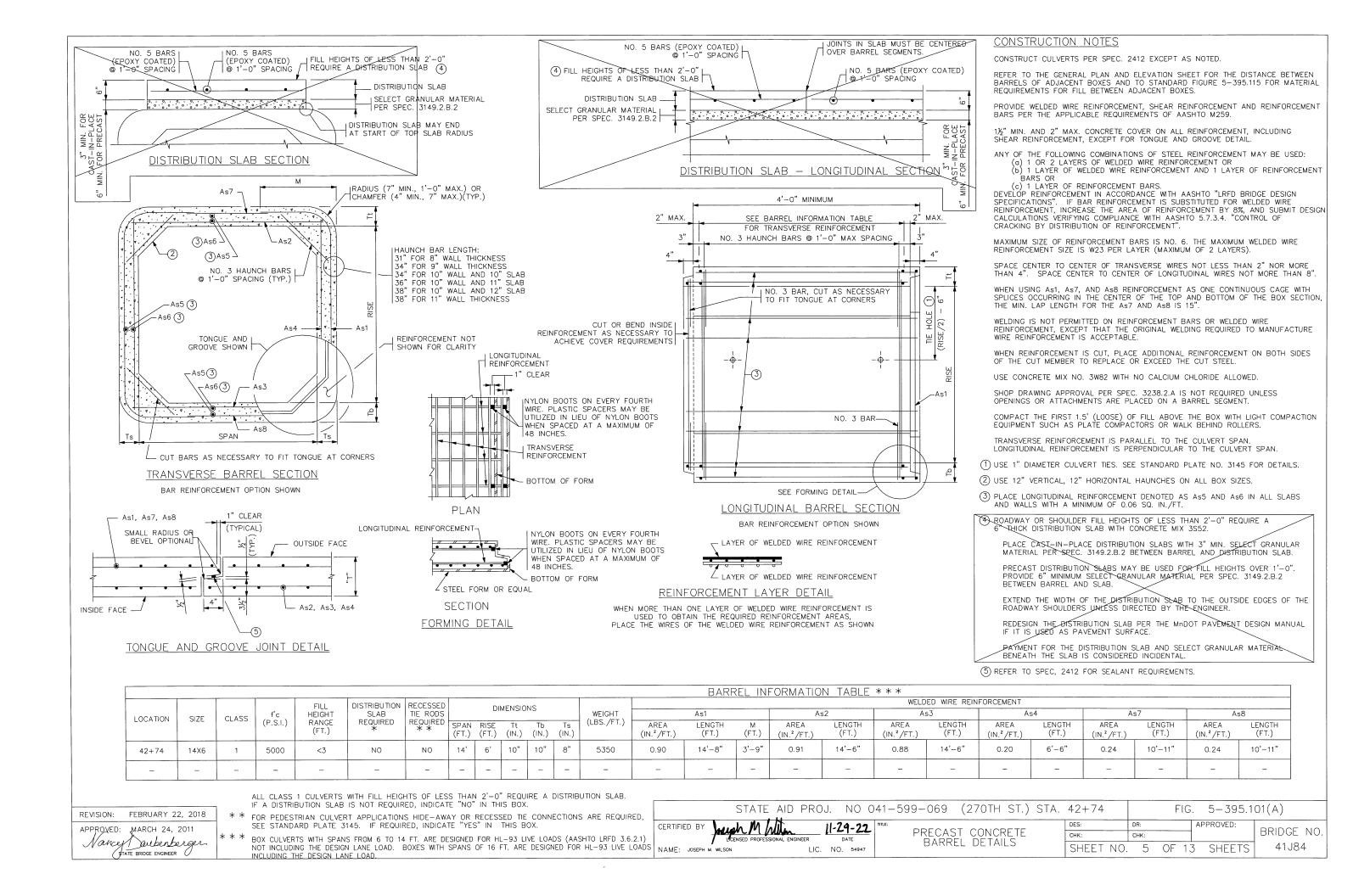
IDENTIFICAION NO. 513 GENERAL PLAN AND ELEVATION

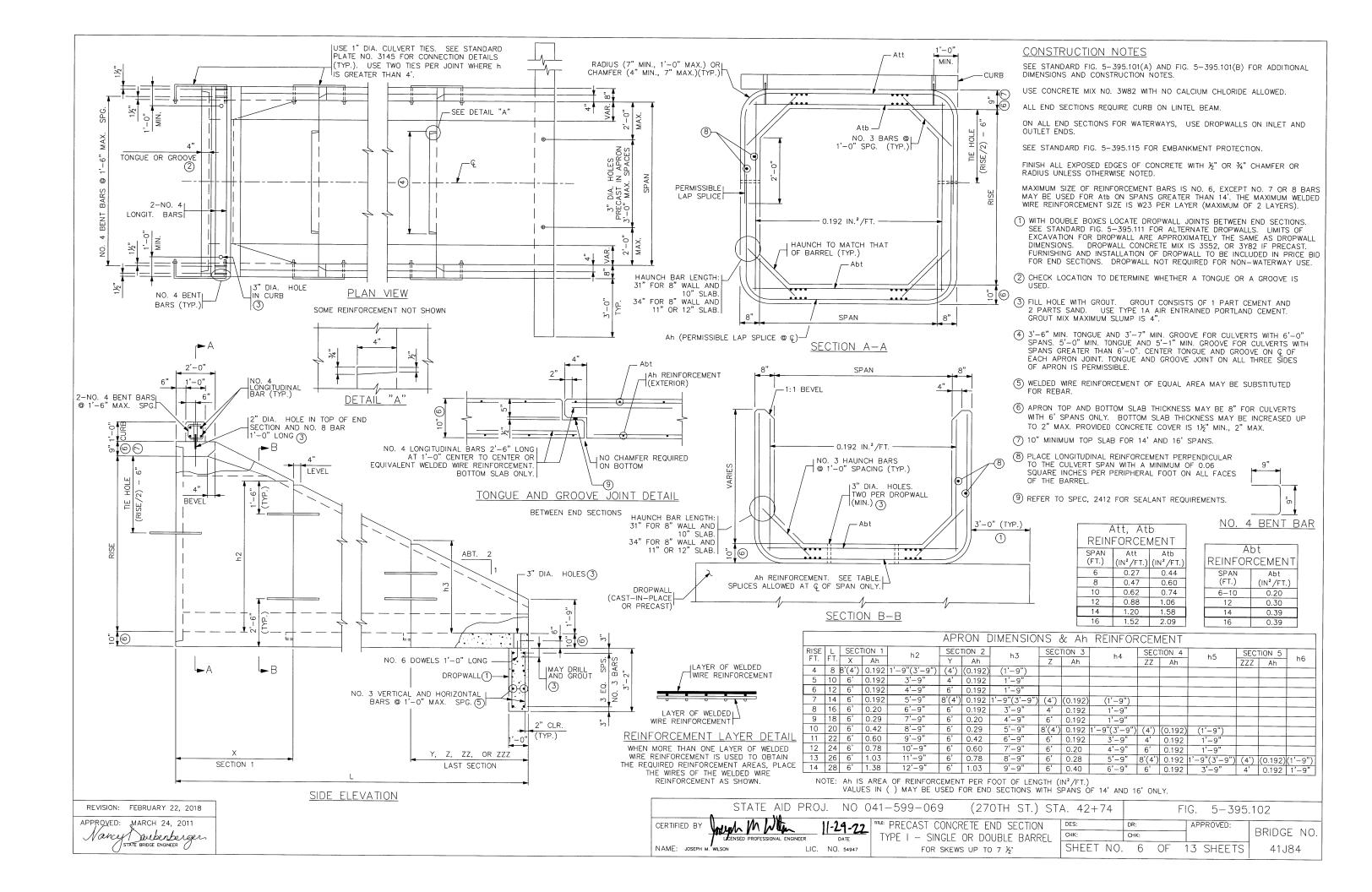
SEC. <u>12</u>- T<u>111</u> N- R<u>46</u> W TOWNSHIP: SHAOKATAN LINCOLN COUNTY

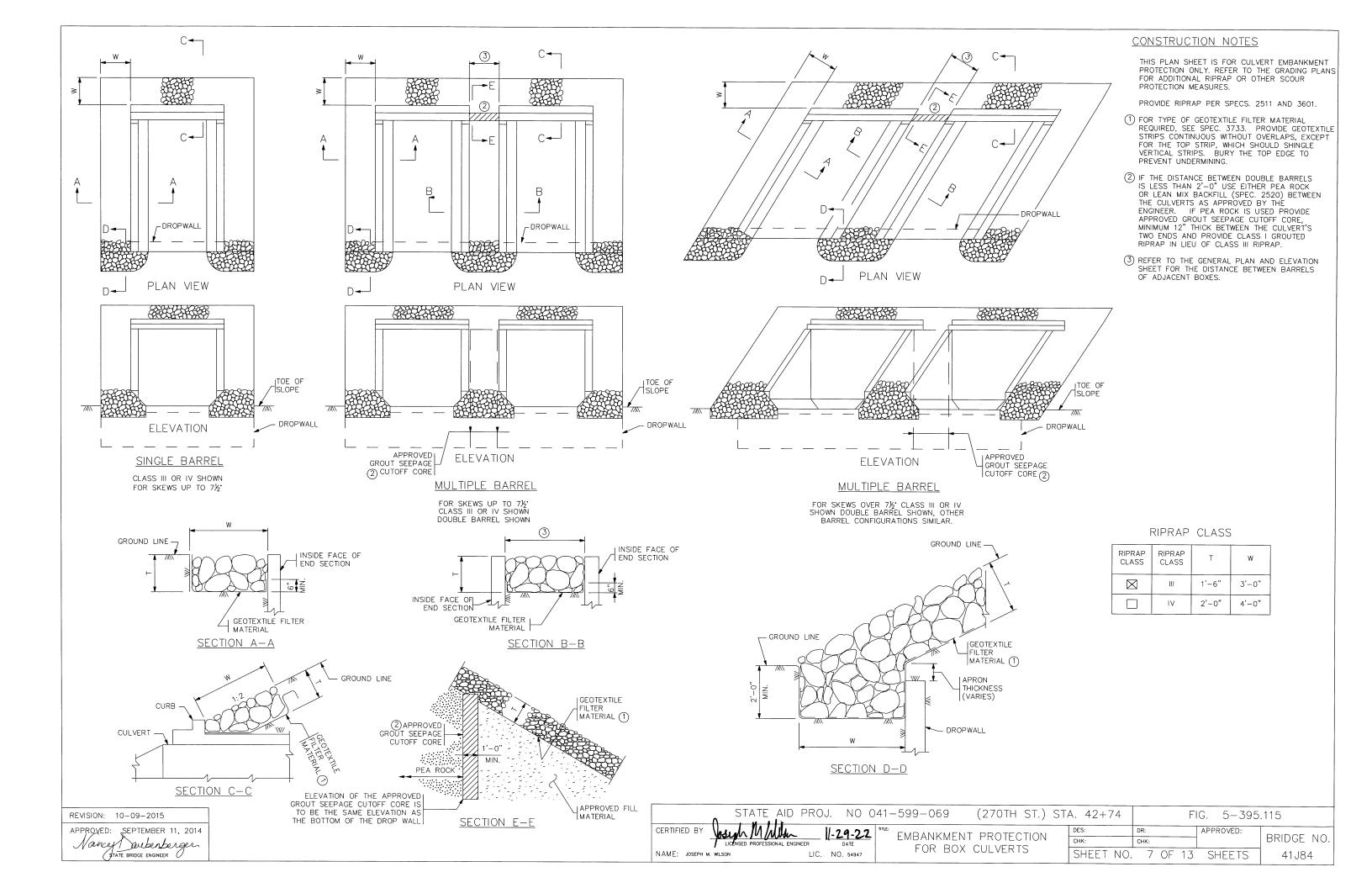
CHK: SHEET NO. 3 OF 13 SHEETS

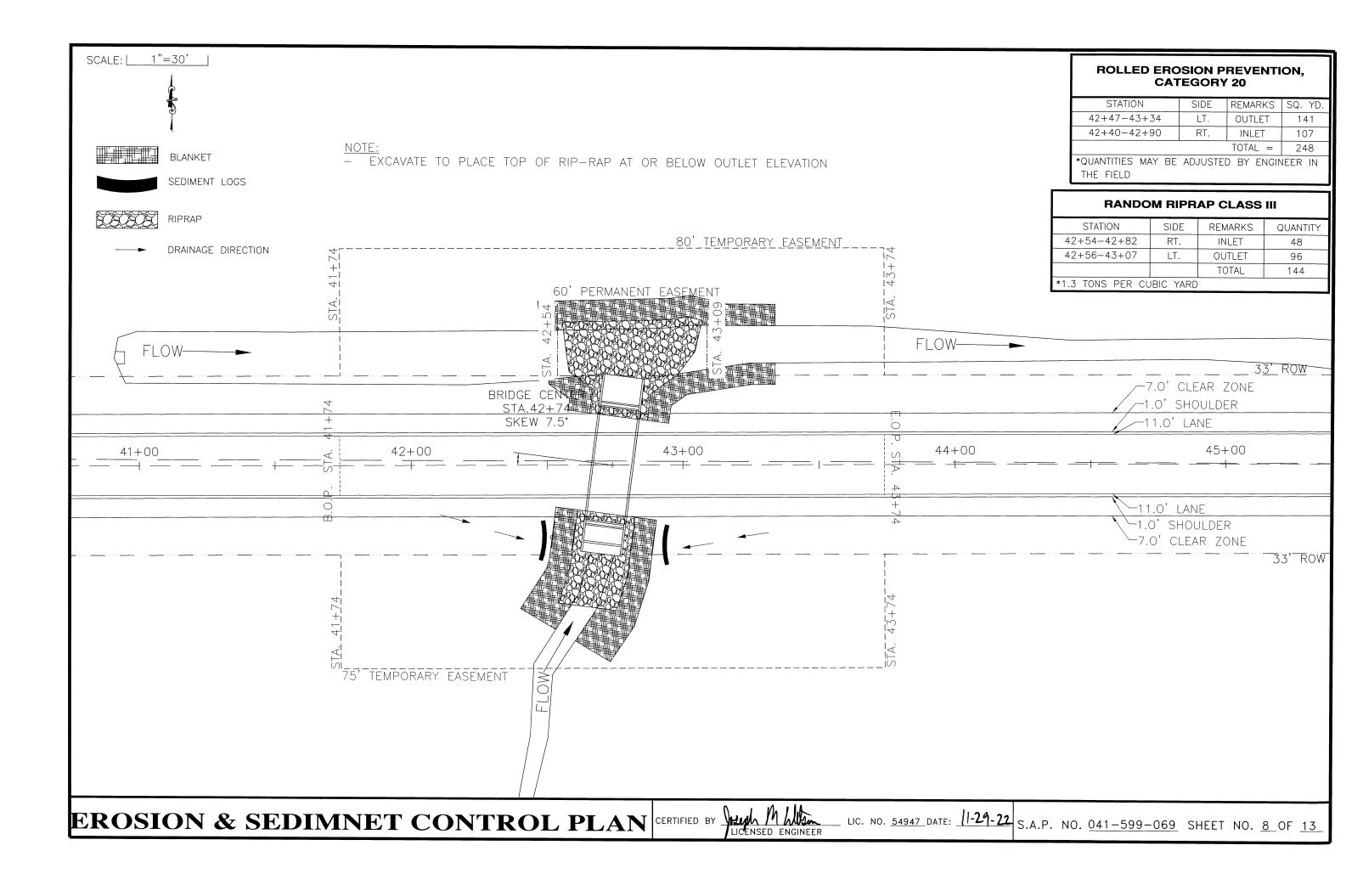
STATE AID PROJ. NO. 041-599-069

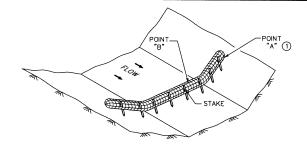












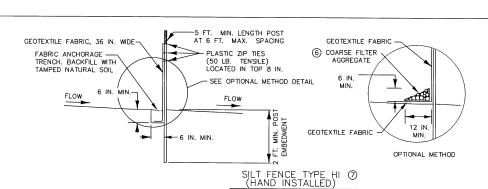
SEDIMENT CONTROL LOG TYPE WOOD FIBER, OR TYPE COMPOST 23

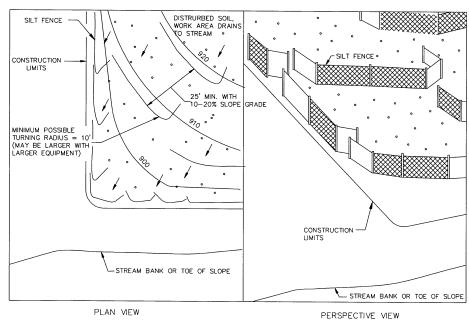
NOTES:

SEE SPECS. 2573, 3601, 3733, 3885, 3886 & 3889.

FOR DITCH CHECKS, PLACE SEDIMENT CONTROL LOG PERPENDICULAR TO FLOW AND IN A CRESCENT SHAPE WITH THE ENDS FACING UPSTREAM.

- (1) POINT "A" MUST BE A MINIMUM OF 6 INCHES HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
- (2) DITCH GRADE 1.5% 3%, MAX. FLOW VELOCITY 4.5 FT./SEC. (SEDIMANT CONTROL LOG WITH EROSION CONTROL BLANKET)
- ③ DITCH GRADE 1.5% 3%, MAX. FLOW VELOCITY 1.5 FT./SEC.. (SEDIMENT CONTROL LOG WITHOUT EROSION CONTROL BLANKET)





J-HOOK INSTALLATION

1 IN. X 2 IN. X 24 IN. LONG WOODEN STAKES.

STAKES SHALL BE DRIVEN THROUGH THE BACK
HALF OF THE SEDIMENT CONTROL LOG AT AN
ANGLE OF 45 DEGREES WITH THE TOP OF THE
STAKE POINTING UPSTREAM.

BACKFILL AND COMPACT SOIL FROM TRENCH ON
UP-GRADE SIDE OF SEDIMENT CONTROL LOG.

PLACE SEDIMENT CONTROL LOG IN
SHALLOW TRENCH (1 TO 2 IN. DEPTH).

TYPES: STRAW, WOOD FIBER, OR COIR

1 IN. X 2 IN. X 24 IN. LONG WOODEN STAKES AS NEEDED. STAKES SHALL BE DRIVEN OVER THE SEDIMENT CONTROL LOG AT AN ANGLE OF 45 DEGREES WITH THE TOP OF THE STAKE POINTING UPSTREAM.

S

FLOW

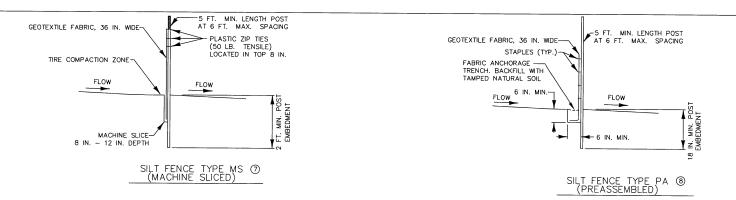
8-10 IN. EMBEDMENT DEPTH

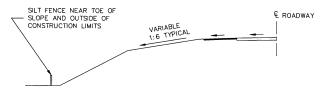
TYPES: WOOD CHIP, COMPOST, OR ROCK

NOTES:

SEE SPECS. 2573, 3149, 3874, 3882, 3886, & 3897.

- SPACE BETWEEN STAKES SHALL BE A MAXIMUM OF 1 FOOT FOR DITCH CHECKS OR 2 FEET FOR OTHER
 APPLICATIONS.
- (S) PLACE STAKES AS NEEDED TO PREVENT MOVEMENT OF SEDIMENT CONTROL LOGS PLACED ON SLOPES OR AS NEEDED DUE TO OTHER FACTORS. STAKES SHALL BE INCIDENTAL.





LOCATION AT TOE OF ROADWAY EMBANKMENT

NOTES:

SEE SPECS. 2573, 3149 & 3886.

- 6 COARSE FILTER AGGREGATE (SPEC. 3149) SHALL BE INCIDENTAL
- 7 TO PROTECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 1 ACRE.
- (8) TO PROTECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 0.25 ACRE.

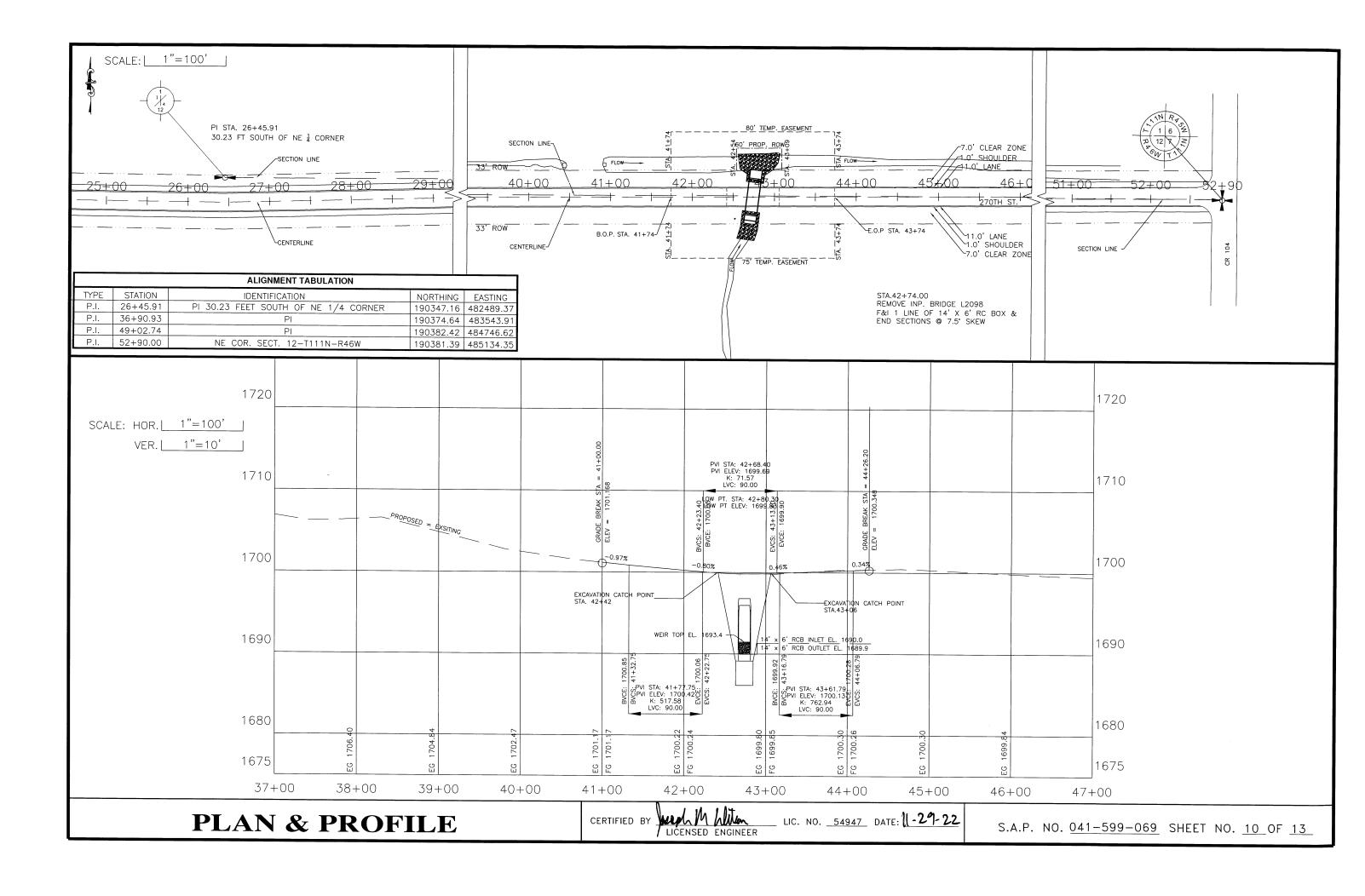
SEDIMENT CONTROL DETAILS

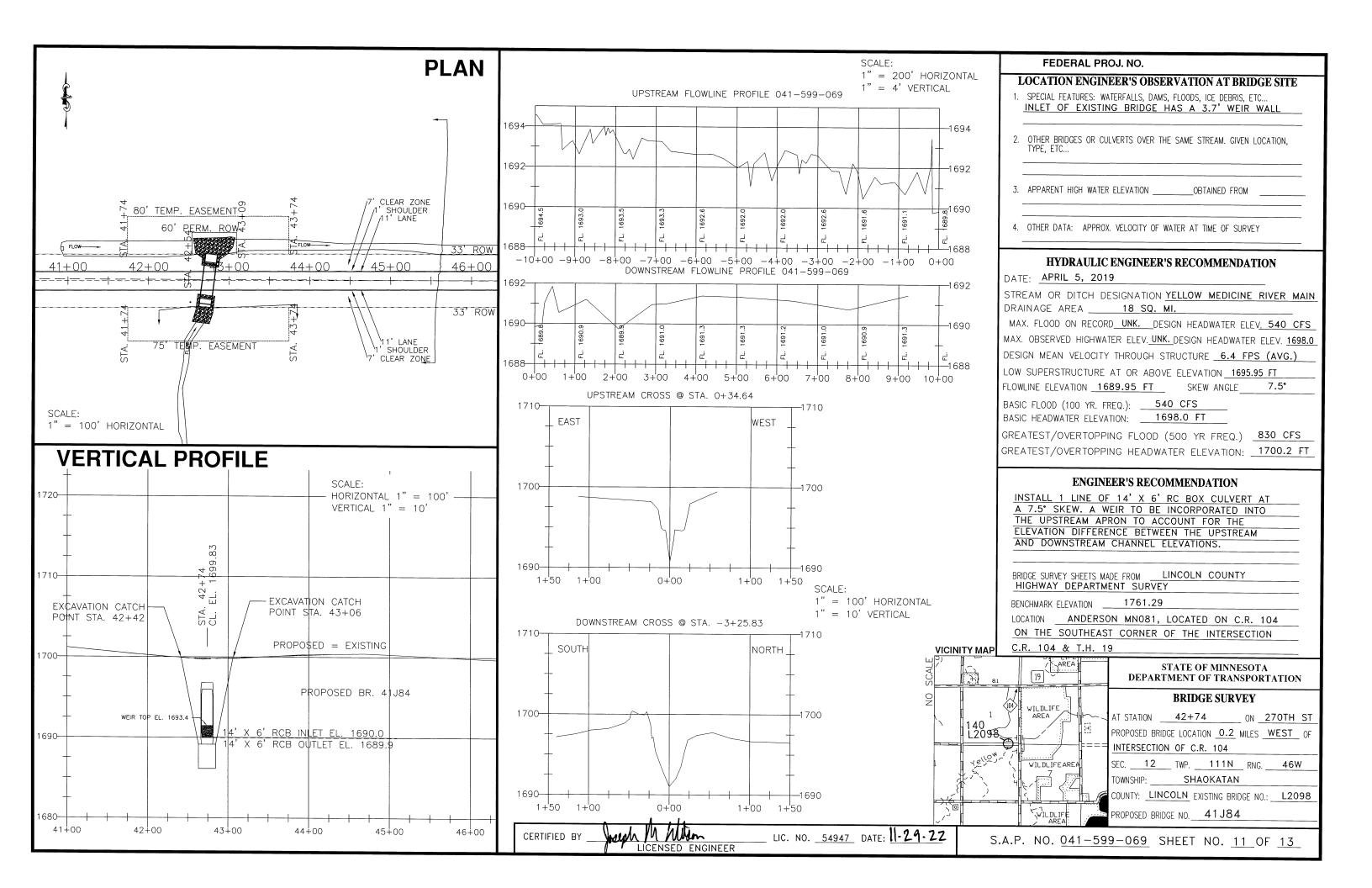
CERTIFIED BY

LICENSED ENGINEER

__ LIC. NO. <u>54947</u> DATE: <u>[-29-22</u>

S.A.P. NO. <u>041-599-069</u> SHEET NO. <u>9</u> OF <u>13</u>





STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

PROJECT DESCRIPTION

S.A.P. 041-599-069 CONSISTS OF REMOVING THE EXISTING STRUCTURE (EXISTING BRIDGE L2098) OVER YELLOW MEDICINE RIVER MAIN, LOCATED APPROXIMATELY .20 MILES WEST OF C.R. 104 ON TOWNSHIP ROAD 270TH ST., AND REPLACING IT WITH 1 LINE OF 14'X6' RC BOX (NEW BRIDGE #41J84). CONSTRUCTION ACTIVITY INCLUDES REMOVAL OF THE EXISTING STRUCTURE, INSTALLING THE NEW BOX CULVERT, BACKFILLING, AND GRADING. THE TOTAL NET LENGTH OF THE PROJECT IS 200 FEET. THE RECEIVING WATER FOR STORM WATER FROM THIS PROJECT IS RIVER ID 07020004-782.YELLOW MEDICINE RIVER BRANCH IS CONSIDERED AN IMPAIRED WATER FOR ESCHERICHIA COIL, MERCURY IN FISH TISSUE, AND TURBIDITY.

PROJECT ENGINEER

THE PROJECT ENGINEER AND THE CONTRACTOR ARE RESPONSIBLE FOR THE IMPLEMENTATION OF THE SWPPP AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMP'S BEFORE AND DURING CONSTRUCTION.

TIMING AND BMP INSTALLATION

THE EROSION PREVENTION AND SEDIMENT CONTROL BMP'S SHALL BE INSTALLED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ON SITE, AND SHALL MEET THE NPDES PERMIT PART IV CONSTRUCTION ACTIVITY REQUIREMENTS.

CALCULATIONS FOR STA. 41+74 TO 43+74 (BRIDGE REPLACEMENT AND GRADING)

WATER QUALITY VOLUMES

NEW IMPERVIOUS AREA 0.165-0.165 ACRES = 0.000 ACRES = 0.000 SQ. FT. WATER QUALITY VOLUME 0.000 SQ. FT. * 1 IN. = 0.000 CU. FT.

SWPPP DESIGNER

KYRA PAVEK - LINCOLN COUNTY TECHNICIAN

	LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN				
DESCRIPTION	TITLE	LOCATION			
SUMMARY OF PERVIOUS AND IMPERVIOUS	SWPPP	SHEET 12			
DIRECTION OF FLOW	EROSION & SEDIMENT CONTROL PLAN	SHEET 8			
RECEIVING SURFACE WATERS	SWPPP	SHEET 12			
FINAL STABILIZATION	EROSION & SEDIMENT CONTROL PLAN	SHEET 8			
DRAINAGE TABULATION	SWPPP	SHEET 12			
EROSION CONTROL TABULATION	EROSION & SEDIMENT CONTROL PLAN	SHEET 8			
EROSION CONTROL SHEETS	EROSION & SEDIMENT CONTROL PLAN & EROSION CONTROL DETAILS	SHEETS 8-9			
SEDIMENT CONTROL DETAILS	SEDIMENT CONTROL DETAILS	SHEET 9			

AMENDING THE SWPPP

THE SWPPP MUST BE AMENDED TO RECORD CHANGES OR MODIFICATIONS TO PERMIT BMP'S OR OTHER STORM WATER TREATMENT SYSTEMS AND REMOVALS OF TEMPORARY BMP'S. CHANGES TO TEMPORARY BMP'S MAY BE RECORDED ON THIS SHEET. INCLUDE A BRIEF DESCRIPTION OF THE PROBLEM, LOCATION, NATURE OF ALTERATION, AND COMMENTS. THIS RECORD IS TO BE RETAINED FOR THREE YEARS AFTER PROJECT COMPLETION.

DATE REPORTED	STAFF (SHEET)	PLAN LOCATION (STATION)	PROJ. LOCATION	PROBLEM, SOLUTION, AND NOTES
			-	
			-	

STORM WATER POLLUTION PREVENTION PLAN

CERTIFIED BY

hugh Multi-Licensed Engineer

LIC. NO. <u>54947</u> DATE: <u>11-29-22</u>

S.A.P. NO. <u>041-599-069</u> SHEET NO. <u>12</u> OF <u>13</u>

