CONSTRUCTION PLANS FOR

IDALS NO. FLO971523B

NUTRIENT REDUCTION WETLAND

FLOYD COUNTY, IOWA

June 2025

GOVERNING SPECIFICATIONS

THE SPECIFICATIONS AS PREPARED BY IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP AND BOLTON & MENK, INC. SHALL BE CONSIDERED AS PART OF THIS DOCUMENT. NATURAL RESOURCES CONSERVATION SERVICE

THE CURRENT EDITION OF THE "IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS" SHALL GOVERN.

IOWA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION" SERIES 2023 AND ALL CURRENT GENERAL SUPPLEMENTAL SPECIFICATIONS AND MATERIALS INSTRUCTIONAL MEMORANDUM SHALL GOVERN AS REFERENCED.

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION



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 CONTRACTOR IS RESPONSIBLE FOR CONTACTING IOWA ONE CALL BY PHONE AT 811, OR ON THE WEB AT

HTTP://WWW.IOWAONECALL.COM/. TICKET#_______
TICKET NUMBER MUST BE PROVIDED TO THE NRCS PRIOR TO COMMENCEMENT

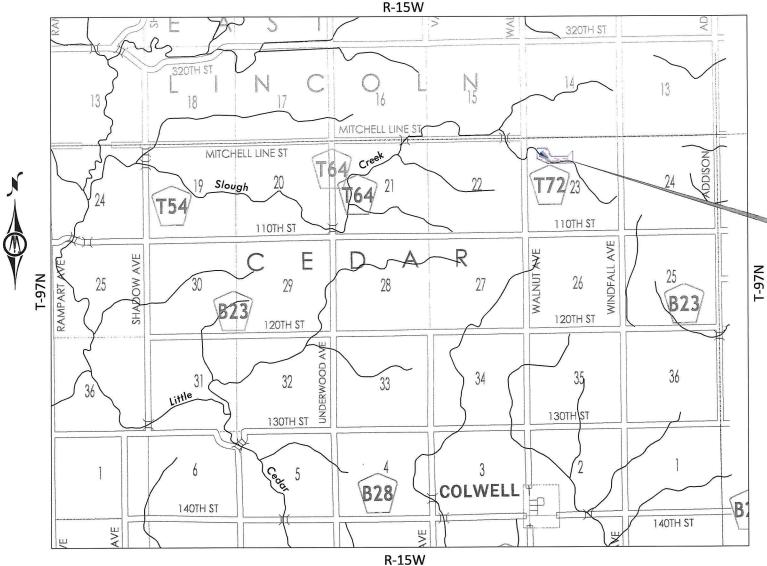


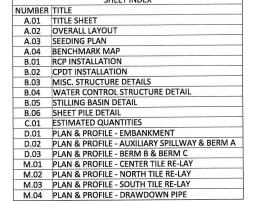
- IF A CULTURAL RESOURCE IS IDENTIFIED DURING CONSTRUCTION, STOP WORK IMMEDIATELY AND NOTIFY THE LOCAL NATURAL RESOURCES CONSERVATION SERVICE
- 2. THERE IS NO GUARANTEE THAT THE WETLAND WILL FILL OR REMAIN FILLED WITH WATER.

IOWA DEPARTMENT OF

LAND STEWARDSHIP

AGRICULTURE &





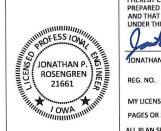
PROJECT

LOCATION

THESE PLANS PREPARED IN ACCORDANCE WITH NRCS ENGINEERING JOB CLASS IV. STANDARDS FOR TASKS ARE AS

656 - SITE DESIGN 410 - OUTLET WEIR DESIGN

TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, JUDGEMENT, AND BELIEVE, THESE PLANS MEET APPLICABLE NRCS STANDARDS AND APPLICABLE LAWS AND



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

MY LICENSE RENEWAL DATE IS

ALL PLAN SHEETS

A.01



AMES, IOWA 50010 Phone: (515) 233-6100

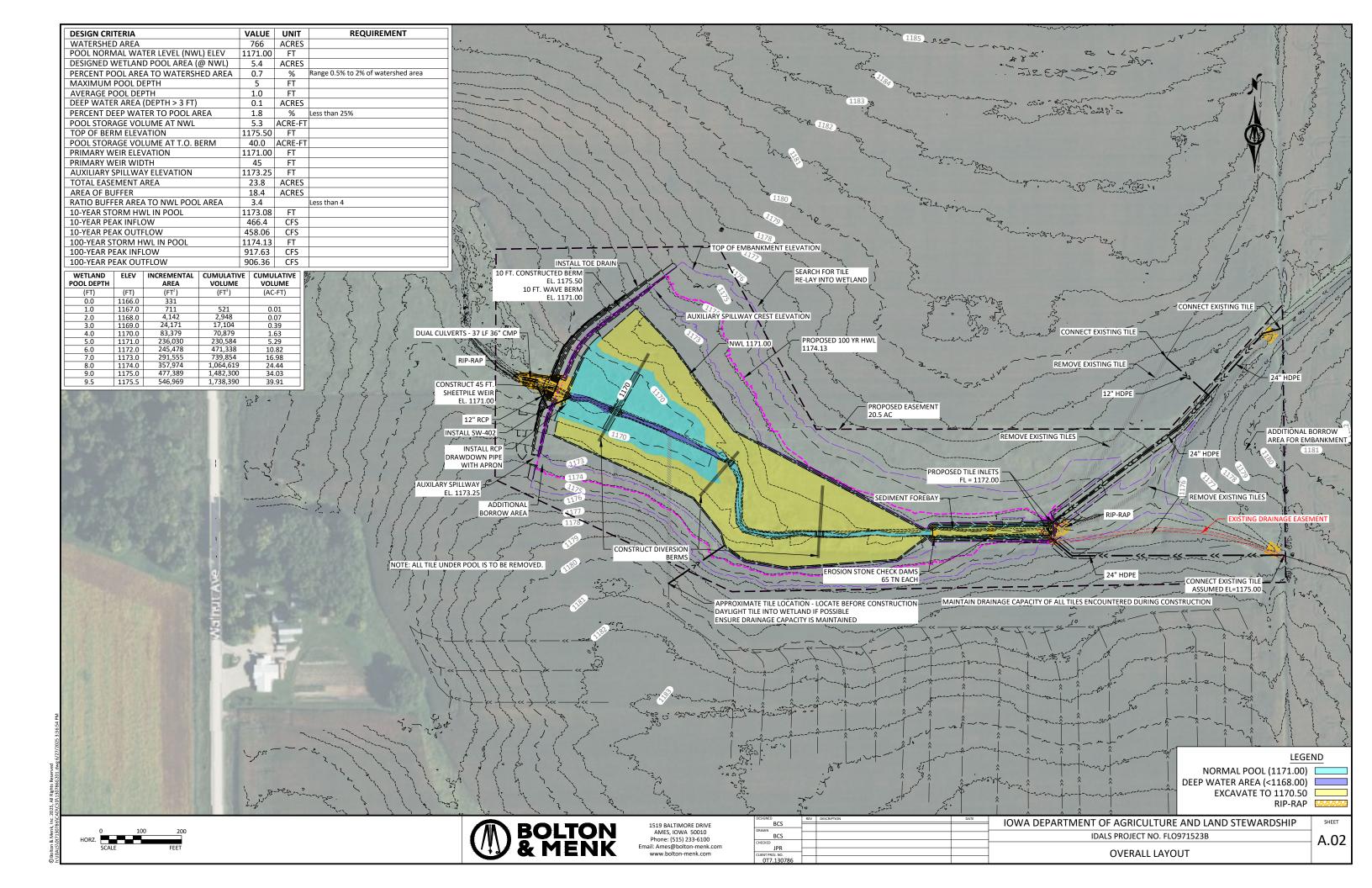
MAP OF PORTIONS OF

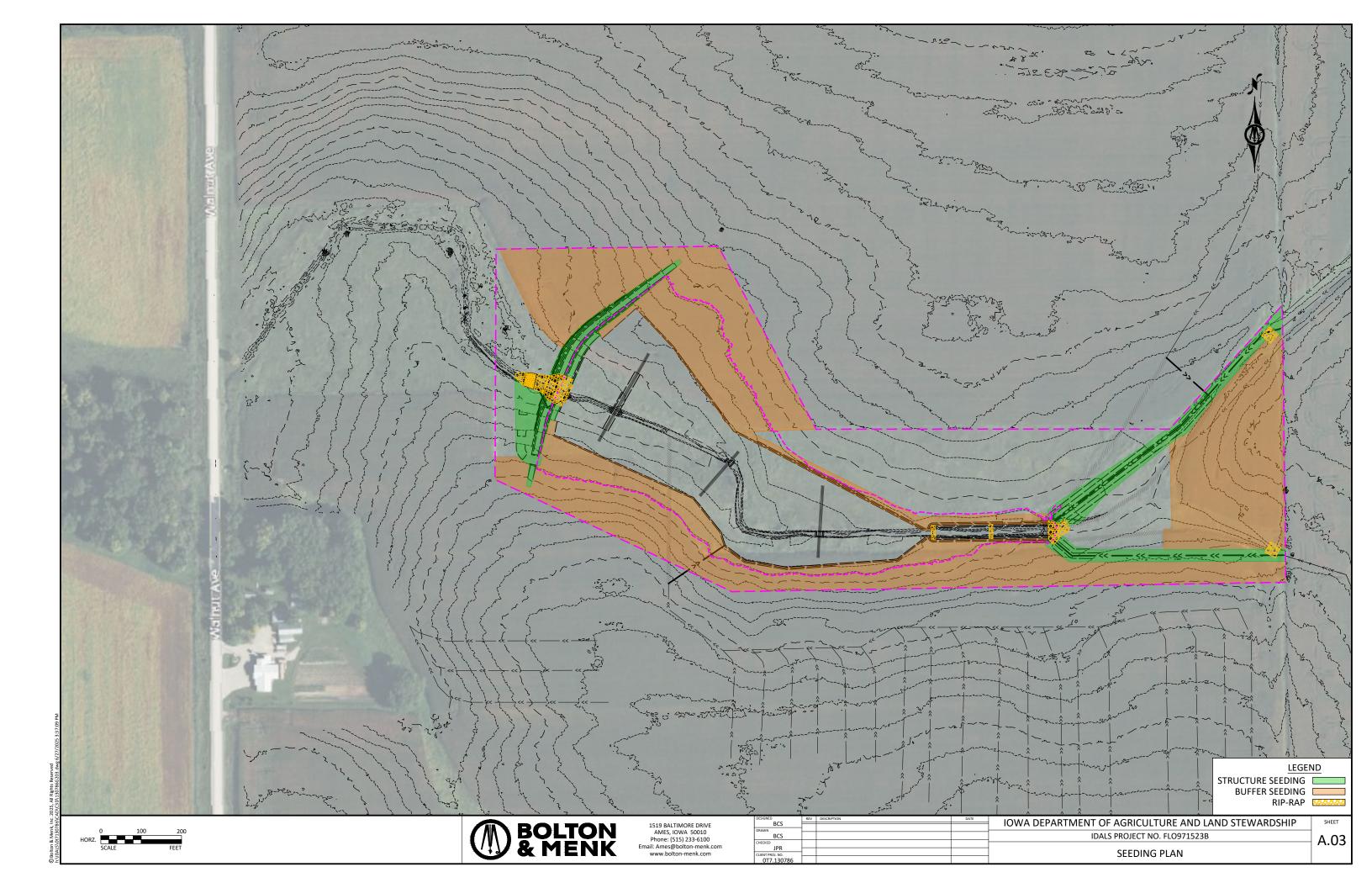
FLOYD COUNTY, IOWA

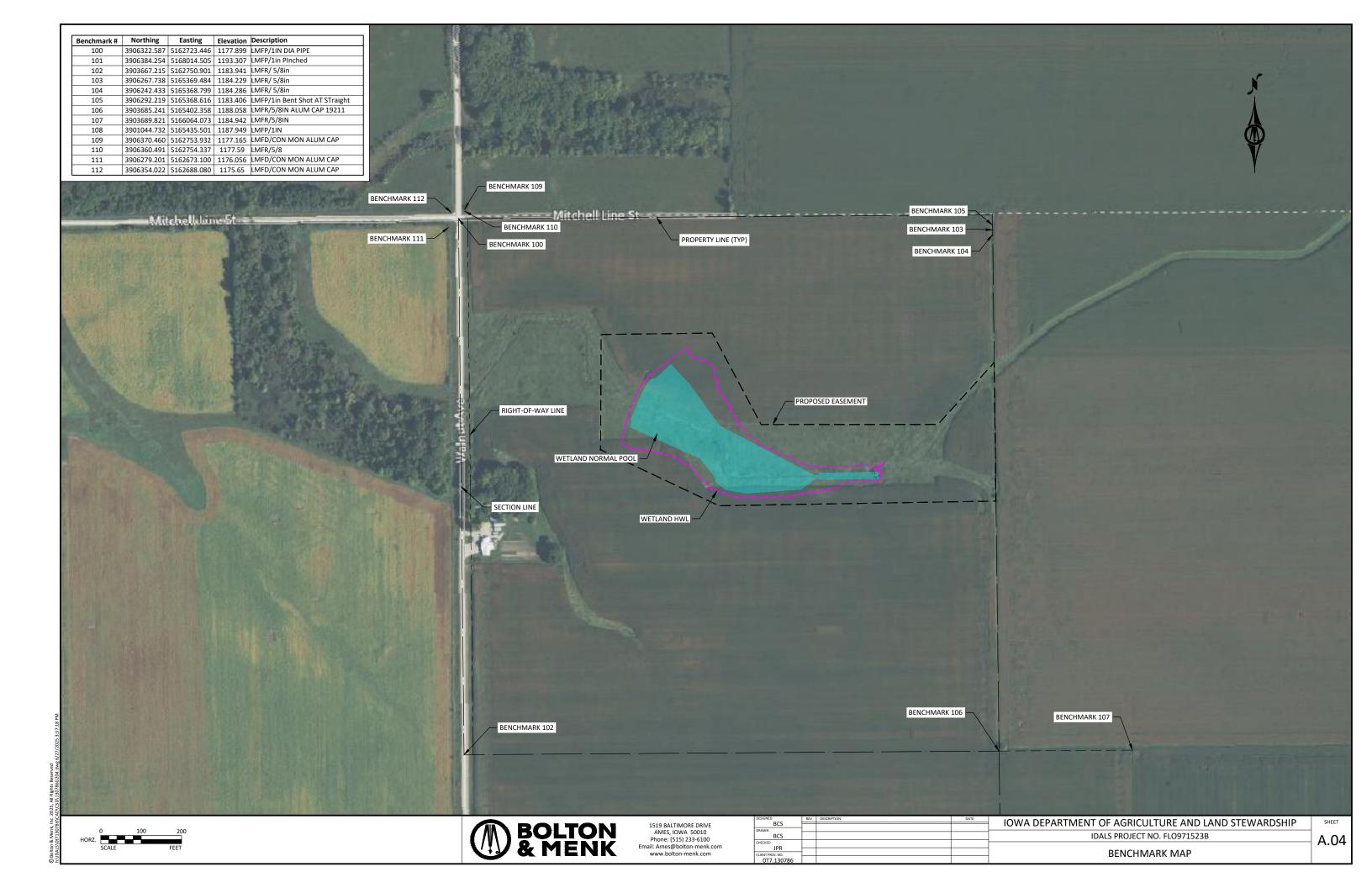
VERTICAL: NAVD 1988 IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP **IDALS PROJECT NO. FLO971523B** BCS TITLE SHEET

PROJECT DATUM: STATE PLANE

HORIZONTAL: IOWA NORTH







PIPE HAUNCH FILL AND COMPACTION METHOD PLAN REQUIREMENTS COMPLIANCE VERIFICATION

THE CONTRACTOR IS SOLEY RESPONSIBLE FOR THE INSTALLATION OF ALL PIPE ACCORDING TO PLAN REQUIREMENTS. THE CONTRACTOR'S PARTICIPATION IN AND COMPLIANCE WITH THE FOLLOWING PROCEDURE IS REQUIRED AND WILL ALLOW FOR FEWER SOIL DENSITY TESTS TO ENSURE PROPER PIPE INSTALLATION.

STEP

SEFORE COMMENCING PIPE INSTALLATION, STANDARD SOIL PROCTOR DENSITY TEST RESULTS OF REPRESENTATIVE SAMPLE(S) OF PIPE HAUNCH FILL SHALL BE PROVIDED BY AN INDEPENDENT QUALIFIED SOILS TESTING LAB. THE SELECTION OF THE SAMPLE(S) WILL BE MADE BY THE ENGINEER AND CONTRACTOR (WHEN SPECIFIED).

STEP

CONTRACTOR MAY BEGIN EXCAVATING THE MODIFIED TYPE 4 TRENCH

WITH THE REQUIRED SHAPED BOTTOM GROOVE AND PLACE SEVERAL PIPE SECTIONS ONLY WHEN BOTH ENGINEER AND TESTING LAB TECHNICIAN ARE PRESENT

CONTRACTOR SHALL DEMONSTRATE THE INTENDED METHODS FOR COMPACTING THE FILL FOR THE PIPE HAUNCH AREAS. SOIL DENSITY TESTS SHALL BE TAKEN AT LOCATIONS DESIGNATED BY THE ENGINEER TO CONFIRM THAT THE INTEDNED METHODS FOR FILL AND COMPACTION OF THE PIPE HAUNCH AREAS SATIFIES THE PLAN REQUIREMENTS. CONTRACTOR SHALL MODIFIY THE INSTALLATION METHODS AND REPEAT STEP 2 UNTIL ACCEPTABLE TESTS RESULTS ARE ACHIEVED.

STEP 3

CONTRACTOR MAY INSTALL THE NEXT SEVERAL HUNDRED FEET OF PIPE. ENGINEER SHALL DESIGNATE SEVERAL LOCATIONS (APPROXIMATELY 10% OF THE INSTALLED LENGTH) WHERE CONTRACTOR SHALL LEAVE THE PIPE UNBLINDED FOR FURTHER DENSITY TESTS OF THE HAUNCH FILL AREA. ALL DENSITY TESTS MUST MEET PLAN REQUIREMENTS BEFORE WORK MAY PROCEED FURTHER.

IF DENSITY TESTING DATA CONFIRMS TO THE SATISFACTION OF THE ENGINEER THAT THE CONTRACTOR'S INSTALLATION METHOD WILL PRODUCE CONSISTENT COMPLIANCE WITH PLAN REQUIREMENTS, CONTRACTOR MAY CONTINUE INSTALLATION OF THE PIPE WITH NO ADDITIONAL TESTING REQUIRED. IF NOT, STEPS 2 AND 3 SHALL BE REPEATED UNTIL A RELIABLE, SUCCESSFUL METHOD OF PIPE INSTALLATION THAT PRODUCES SATISFACTORY RESULTS IS ESTABLISHED.

CONTRACTOR IS REQUIRED TO PROPERLY AND ADEQUATELY INSTRUCT SUBCONTRACTORS AND/OR SUBSEQUENT PIPE INSTALLATION WORKERS ON THE PROPER INSTALLATION METHOD.

STEP 4A

SOIL OR TRENCH CONDITION CHANGES

TO VERIFY CONTRACTOR'S COMPLIANCE WITH PLAN REQUIREMENTS UNDER THE CHANGED CONDITIONS, ENGINEER MAY STOP WORK AND REQUIRE ADDITIONAL SOIL PROCTOR TESTS AND/OR SOIL DENSITY TESTS SIMILAR TO STEPS 1 THROUGH 3. THE WORK AND COSTS OF THE FIRST TWO REVERIFICATIONS IS SUBSIDIARY TO THE PIPE INSTALLATION. SUBSEQUENT VERIFICATIONS WILL BE CONSIDERED EXTRA WORK.

STEP 4B

CONTRACTOR FAILS TO CONSISTENTLY PERFORM INSTALLATION METHOD OR INSTRUCT OTHER INSTALLERS

IF CONTRACTOR FAILS TO CONSISTENTLY PERFORM OR ADEQUATELY INSTRUCT SUBCONTRACTORS AND/OR SUBSEQUENT PIPE INSTALLATION WORKERS ON THE APPROVED INSTALLATION METHOD, ENGINEER MAY STOP WORK AND REQUIRE ADDITIONAL SOIL PROCTOR TESTS AND/OR SOIL DENSITY TESTS SIMILAR TO STEPS 1 THROUGH 3 TO VERIFY CONTRACTOR'S COMPLIANCE WITH PLAN REQUIREMENTS. THE WORK AND COSTS OF ALL VERIFICATIONS UNDER SUCH CONDITIONS IS SUBSIDIARY TO THE PIPE INSTALLATION.

EXCEPTION

IF CONTRACTOR ELECTS TO SHAPE THE TRENCH BOTTOM SUCH THAT A MINIMUM OF 45% OF THE OUTER CIRCUMFERENCE OF THE PIPE IS FIRMLY BEDDED IN AND CONSISTENTLY SUPPORTED BY UNDISTURBED SOIL, PIPE HAUNCH FILL COMPACTION TESTING WILL NOT BE REQUIRED. THE CONTRACTOR IS REQUIRED TO COMPLY WITH A PROPER INSTALLATION METHOD AND TO FULLY COMPLY WITH THE REQUIREMENTS OF THE VERIFICATION OUTLINED ABOVE FOR ALL SITUATIONS WHERE THIS EXCEPTION IS NOT MET.

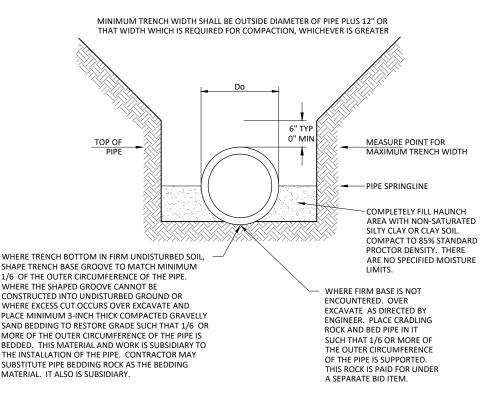
CRUSHED ROCK MEETING THE GRADATION OF SUDAS CLASS I BEDDING MATERAL. SPECIFICATION SECTION 3010.2.02.A. MAY BE SUBSTITUTED FOR THE SAND OR CLAY HAUNCH BACKFILL MATERIAL. NO COMPACTION WILL BE REQUIRED FOR THE CRUSHED ROCK BEDDING AND BACKFILL. MATERIAL COSTS SHALL BE INCIDENTAL TO PIPE INSTALLATION. 6" TYP 0" MIN TOP OF PIPE MEASURE POINT FOR MAXIMUM TRENCH WIDTH PIPE SPRINGLINE COMPLETELY FILL HAUNCH AREA WITH GRAVELLY SAND COMPACT TO 85% STANDARD PROCTOR DENSITY. Do/3 LOOSELY PLACED UNCOMPACTED GRAVELLY SAND BEDDING

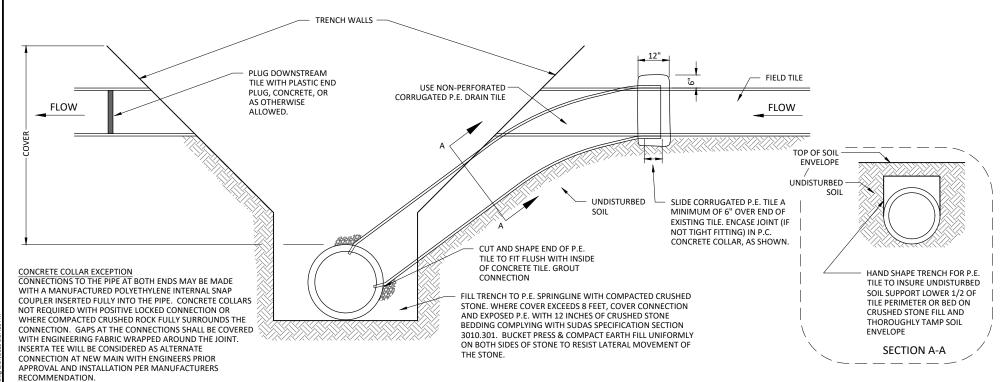
GRAVELLY SAND BEDDING SHALL BE CONSISTENT WITH THE GRADATION AND OTHER CHARACTERISTICS OF STANDARD AASHTO A1 OR A3 SOIL. A REPRESENTATIVE SAMPLE OF THE MATERIAL AND A GRADATION REPORT OR SUPPLIER'S CERTIFICATION OF COMPLIANCE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO DELIVERY TO SITE. SEE SOIL DATA IN APPENDIX OF SPECIFICATIONS BOOKLET.

TRENCH INSTALLATION TYPE 3

NOT TO SCALE

SOURCE: AMERICAN CONCRETE PIPE ASSOCIATION CONCRETE PIPE DESIGN MANUAL





TYPICAL FIELD TILE CONNECTION

FOR FIELD TILE UP TO 10" DIAMETER

MODIFIED TRENCH INSTALLATION TYPE 4

NOT TO SCALE

SOURCE: AMERICAN CONCRETE PIPE ASSOCIATION CONCRETE PIPE DESIGN MANUAL



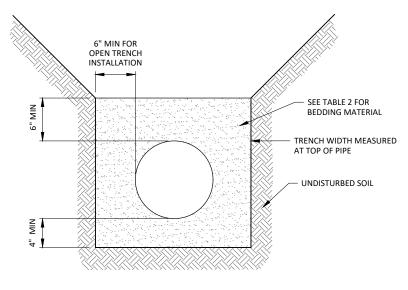
1519 BALTIMORE DRIVE AMES, IOWA 50010 Phone: (515) 233-6100 Email: Ames@bolton-menk.com www.bolton-menk.com

DESIGNED		DESCRIPTION	DATE	IOWA DEPARTMENT OF ACRICULTURE AND LAND STEWARDSHIP			
BCS				IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP			
DRAWN							
BCS				IDALS PROJECT NO. FLO971523B			
CHECKED							
JPR							
CLIENT PROJ. NO.				RCP INSTALLATION			
0T7 130786				- NOTALLATION			

CORRUGATED POLYETHYLENE DRAINAGE TUBING MATERIAL & INSTALLATION NOTES

- ALL CPDT AND CONNECTORS FURNISHED SHALL BE IN COMPLIANCE WITH MATERIAL STANDARDS ASTM F405 AND F667, AS
 APPLICABLE, AND SHALL BE CLASSIFIED AS HEAVY-DUTY UNDER THOSE STANDARDS.
- 2. EXCEPT MODIFIED HEREIN OR OTHERWISE APPROVED BY ENGINEER, ALL CPDT SHALL BE INSTALLED IN COMPLIANCE WITH THE
- 3. FOR PIPES 6" DIAMETER AND SMALLER A 90° V GROOVE BOTTOM MAY BE USED, FOR ALL LARGER PIPE A TRAPEZOIDAL BOTTOM OR A CIRCULAR BOTTOM CONFORMING TO THE OUTSIDE DIAMETER OF THE PIPE SHALL BE USED. PRIOR TO THE INSTALLATION OF CPDT, CONTRACTOR MUST PROVE TO ENGINEER THAT THE INSTALLATION REQUIREMENTS, INCLUDING THE SHAPE OF THE TRENCH BOTTOM, WILL BE ACCOMPLISHED.
- 4. WHERE TRENCH BOTTOM IS IN FIRM UNDISTURBED SOIL, SHAPE TRENCH BASE GROOVE. WHERE EXCESS CUT OCCURS, OVEREXCAVATE AND PLACE MINIMUM THREE (3) INCH THICK, GRAVELLY SAND BEDDING TO RESTORE GRADE. THIS BEDDING SHALL MEET THAT REQUIRED FOR TRENCH INSTALLATION TYPE 3 ON PLAN SHEET C.O2. IF DUE TO CONTRACTOR ERROR THIS MATERIAL AND WORK IS SUBSIDIARY TO THE INSTALLATION OF THE PIPE. CONTRACTOR MAY SUBSTITUTE PIPE BEDDING ROCK AS THE BEDDING MATERIAL.
- 5. NATIVE SOILS MAY BE USED AS BACKFILL MATERIAL UNLESS UNSTABLE TRENCH CONDITIONS PREVENT THE TRENCH BOTTOM HOLDING THE SHAPED GROOVE. IF TRENCH BOTTOM WILL NOT HOLD GROOVE SHAPE CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY. A FLAT BOTTOM TRENCH INSTALLATION WILL THEN BE ASSUMED. THE REQUIRED BEDDING MATERIAL WILL BE PAID UNDER THE TILE TRENCH STABILIZATION AND CRADLING ROCK BID ITEM.
- 6. MINIMUM TRENCH WIDTH IS PIPE OUTSIDE DIAMETER PLUS FOUR (4) INCHES FOR PLOWED INSTALLATION AND PIPE OUTSIDE DIAMETER PLUS TWELVE (12) INCHES FOR OPEN TRENCH INSTALLATION.
- 7. ALL LATERAL CONNECTIONS, ELBOWS, TEES, ALIGNMENT CURVES, START HOLES AND ALL PORTIONS OF THE TRENCH NOT MEETING THE GROOVED TRENCH INSTALLATION REQUIREMENTS SHALL BE FILLED TO A MINIMUM OF SIX (6) INCH COVER OVER THE PIPE WITH GRADED CRUSHED STONE OR GRAVEL AS SHOWN ON TABLE 2 OF THIS SHEET. UNLESS DUE TO CONTRACTOR ERROR THIS BEDDING MATERIAL WILL BE PAID UNDER THE TILE TRENCH STABILIZATION AND CRADLING ROCK BID ITEM.
- 8. MANUFACTURER'S ENDCAPS SHALL BE INSTALLED AT THE TERMINATION OF EACH LINE UNLESS A CONNECTION TO AN EXISTING DRAIN IS MADE.
- WITH THE INSTALLATION OF THE FIRST REACH OF CPDT ON THE PROJECT, CONTRACTOR IS REQUIRED TO WORK WITH THE ENGINEER TO CHECK AND CONFIRM THAT THE PIPE STRETCH, IF ANY, DOES NOT EXCEED 5%.
- 10. ALIGNMENT TURNS MAYBE MADE USING EITHER A MANUFACTURED FITTING OR CURVING THE LINE WITH A 25' MINIMUM RADIUS.

		T 11 4					
N	Maximum Allowable	Table 1 Buried Deptl	n to Flowline	of CPDT			
		Trench Width at Top of the Pipe (FT)					
Nominal Pipe Diameter (IN)	Pipe Quality (ASTM)	12" 18"		24"	30" or Greater		
	Standard	13	7	5.5	5		
4	Heavy-duty	Any	10	7	6		
	Standard	10	7	5.5	5		
6	Heavy-duty	Any	9.5	6.5	6		
	Standard	10	7	5.5	5		
8	Heavy-duty	Any	10	7	6		
10	Heavy-duty		9	7	6		
12	Heavy-duty		9	7			
15	Heavy-duty			7	6		
A	cceptable Bedding Ma	Table 2 aterial and Cor	npaction Req	uirements			
Description	Percentage	Minimum Standard	Maximum Compaction				
Description	1"	3/4"	No. 4	Density (%)	Layer Height (IN.)		
Crushed Stone Crushed Gravel*	100%	> 95%	< 5%	Dumped	18		
* Class 1	Bedding Material Per	SUDAS 3010.2	202A is an Allo	owable Substitu	ite		

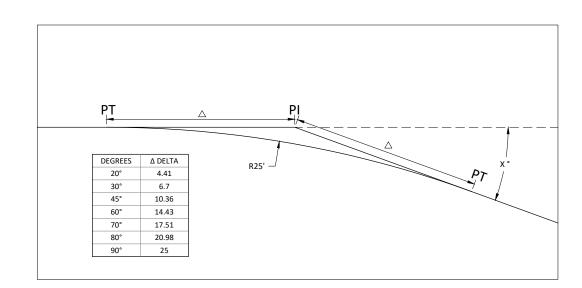


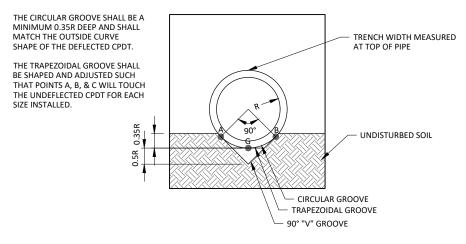
FILL TRENCH TO 6" ABOVE TOP OF PIPE WITH CRUSHED STONE OR GRAVEL MEETING THE REQUIREMENTS IN TABLE 2. BEDDING MATERIAL SHALL BE INCIDENTAL TO THE PIPE INSTALLATION.

FLAT BOTTOM TRENCH INSTALLATION

NOT TO SCALE SOURCE: ASTM F449

NOTE: THIS IS AN ALLOWED ALTERNATIVE INSTALLATION FOR CPDT



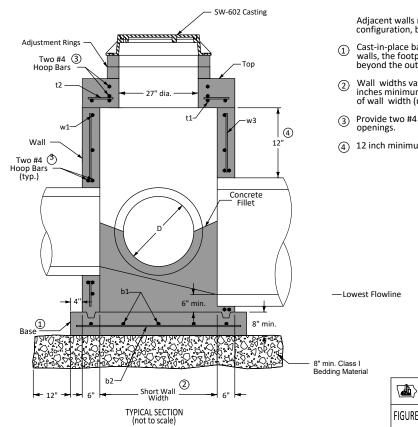


PREFFERED TRENCH INSTALLATION BOTTOM

TRAPEZOIDAL GROOVE, "V" GROOVE, & CIRCULAR GROOVE NOT TO SCALE SOURCE: ASTM F449

BOLTON & MENK

1519 BALTIMORE DRIVE AMES, IOWA 50010 Phone: (515) 233-6100 Email: Ames@bolton-menk.co www.bolton-menk.com



SW-402 SEE SHEET B.04 FOR MODIFICATIONS Adjacent walls may have different widths based upon pipe configuration, but structure must be rectangular.

- ① Cast-in-place base shown. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.
- ② Wall widths vary with pipe diameter and range from 40 inches minimum to 77 inches maximum. Provide 6 inches of wall width (minimum) each side of pipe opening.
- 3 Provide two #4 hoop bars at top opening and at all pipe openings.
- 4 12 inch minimum wall height above all pipes.

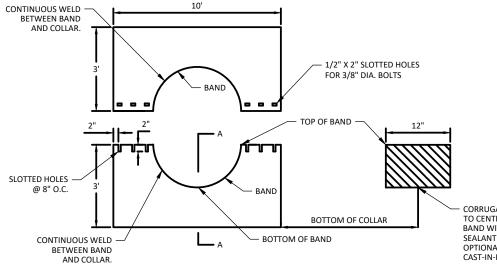
FIGURE 6010.402 STANDARD ROAD PLAN

REVISIONS:

SUDAS DIRECTOR

DESIGN METHODS ENGINEER

RECTANGULAR STORM SEWER MANHOLE



— CORRUGATED METAL SHEET WELDED TO CENTER OF SMOOTH METAL BAND WITH MASTIC APPLIED FOR SEALANT AROUND THE PIPE. OPTIONAL SUBSTITUTE - CAST-IN-PLACE CONCRETE BAND.

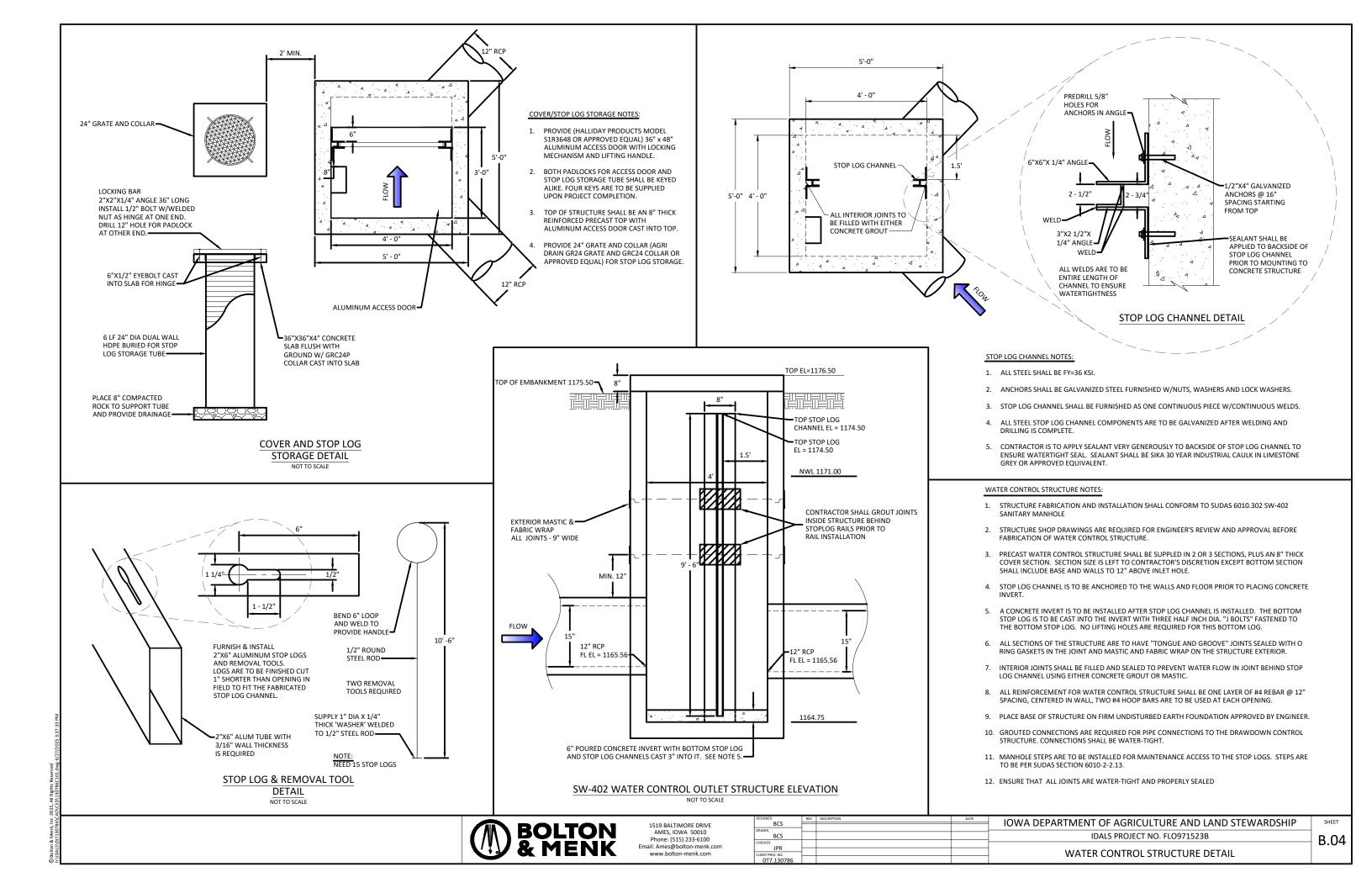
RCP ANTI-SEEP COLLAR

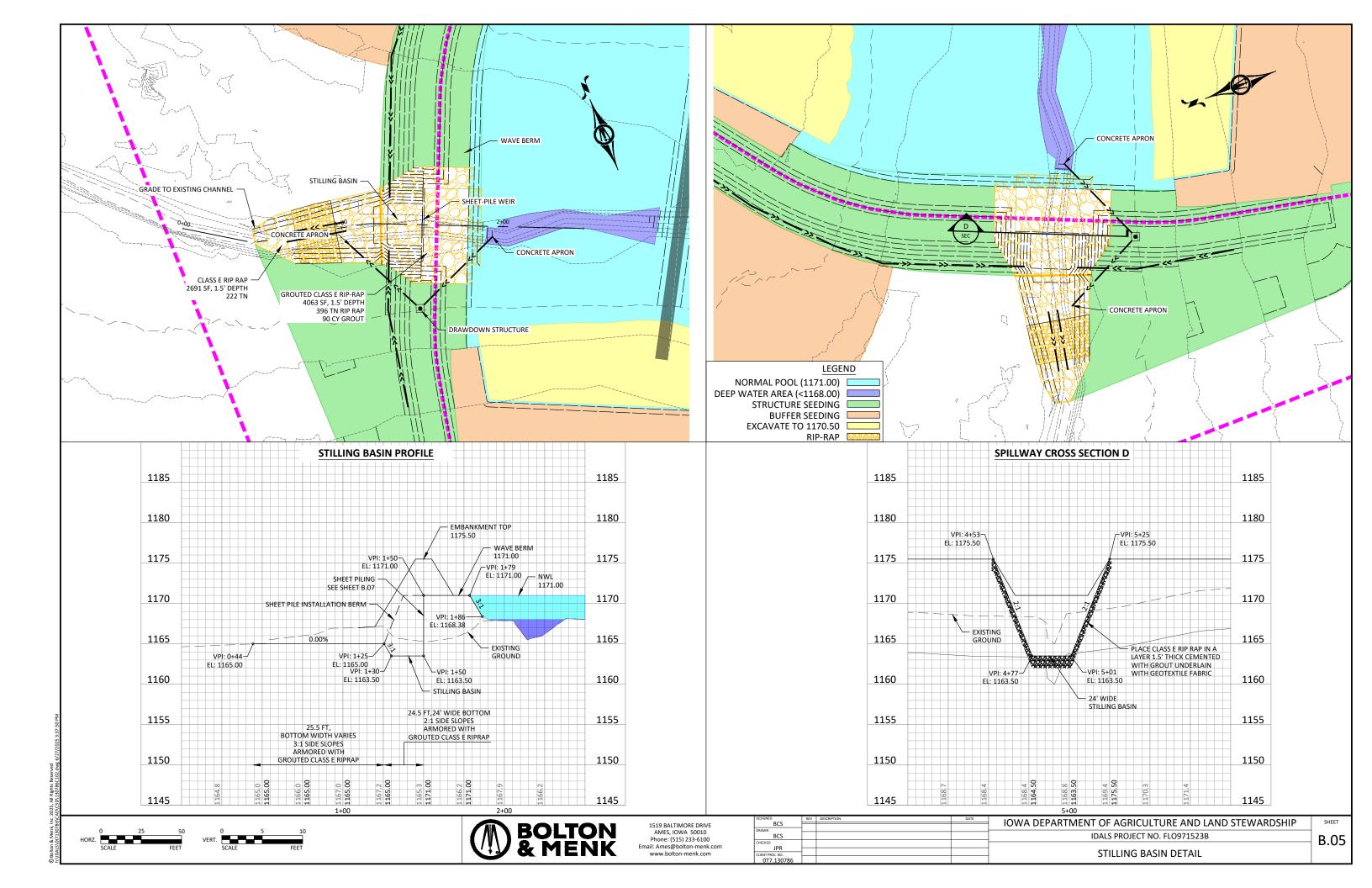
NOT TO SCALE

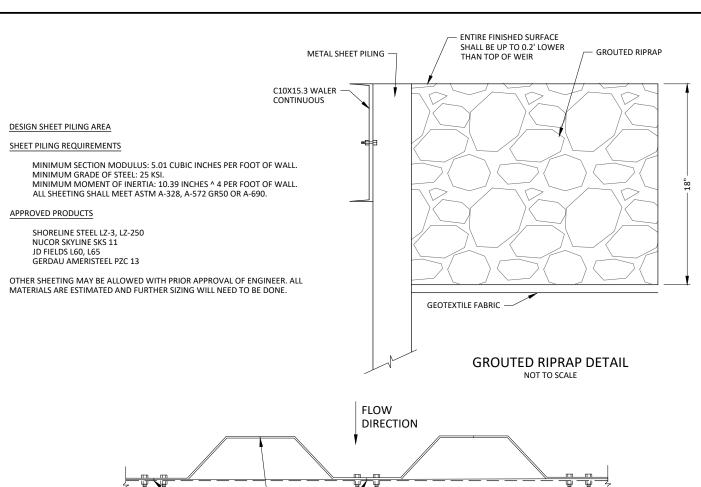
BOLTON & MENK

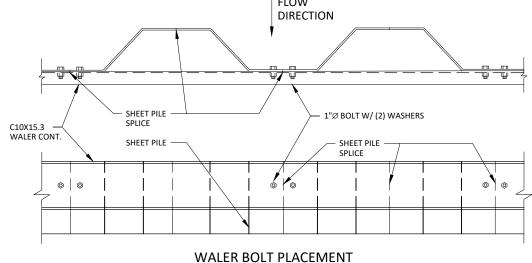
1519 BALTIMORE DRIVE AMES, IOWA 50010 Phone: (515) 233-6100 Email: Ames@bolton-menk.com www.bolton-menk.com DESIGNED BCS REV DESCRIPTION DATE IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP BCS IDALS PROJECT NO. FLO971523B

CHECKED JPR
CLIENTROI. NO. OTT. 130786





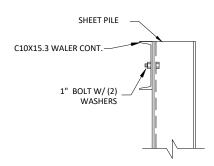




NOT TO SCALE

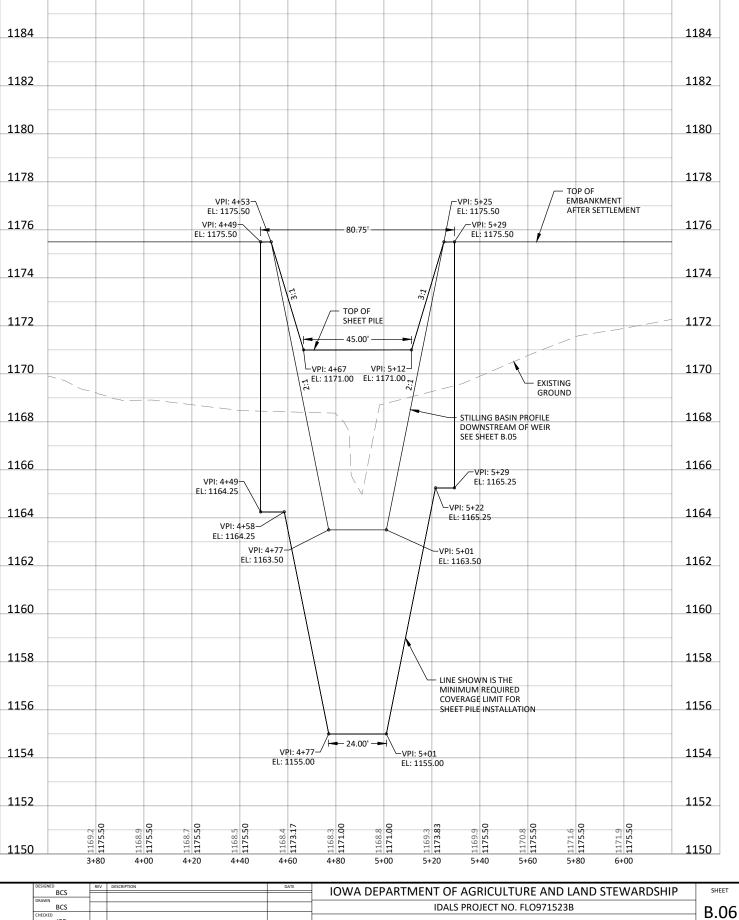
NOTES:

- 1. ALL BOLTS WILL BE 1" DIA. WITH 2 WASHERS. BOLT SHALL BE EXTENDED AT A MINIMUM OF §" BEYOND THE NUT.
- 2. ALL HOLES SHALL BE DRILLED $\frac{1}{16}$ " DIA. LARGER THAN THE BOLT.
- 3. THE WALER SHALL BE PLACED ON THE DOWNSTREAM SIDE OF THE WEIR.
- 4. ANY HOLES LEFT IN SHEET PILE (LIFTING HOLES ETC.) SHALL BE WELDED CLOSED.
- 5. AFTER SHEETING AND WALER INSTALLATION ALL SHEETING ON THE WEIR IS TO BE CUT TO CONFORM WITH 3:1
- 6. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDING WITH THE LATEST SPECIFICATION OF AISC. FABRICATOR SHALL SUBMIT SHOP DRAWINGS SHOWING THAT PLANNED STEEL WILL COMPLETELY COVER INTENDED WALL AREA. FABRICATE AFTER ENGINEERS REVIEW.
- 7. DEFLECTIONS SHALL BE MADE IN FABRICATED PIECES AND STILL CONFORM TO THE DIMENSIONS GIVEN.
- 8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LIVE LOADS.
- 9. PROVIDE ALL NECESSARY TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION.



NOTE: 1 BOLT TO BE PLACED ON EACH SIDE OF SPLICE

BOLT DETAIL NOT TO SCALE



1186





1186

Bid	Sub-	Description	Specifications		Dlan Na	Estimated Quantities	
Item	Item	Description	No.	Page	Plan No.	Quantity	Unit
1	-	Site Stripping & Preparation	IA CS-001		A.02	1	LS
2	_	Crop Damage	IA CS-001		A.02	0	AC
3	_	Structure & Channel Seeding	IA CS-006		A.02	1.9	AC
4	_	Buffer Seeding	IA CS-006		A.02	11.4	AC
5	_	Mobilization and Demobilization	IA CS-008		A.02	1	LS
6	-	Drain tile Investigation and Removal	IA CS-009		A.02	8	HR.
7	-	Steel Sheet Piling	IA CS-013		B.06	1063	SF
8	_	Excavation (General)	IA CS-021		A.02	7050	CY
9	_	Earthfill (General)	IA CS-023		D.02-D.03, M.01, M.03	935	CY
10	_	Earthfill (General Dam)	IA CS-023		D.01	2641	CY
11	-	Earthfill (Dam Core)	IA CS-023		D.01	950	CY
12	-	Drainfill, Fine	IA CS-024		D.01	28.5	CY
13	-	Topsoil Strip, Stockpile, Salvage	IA CS-026		A.02	4460	CY
14	_	Toe Drain - 6" Diameter	IA CS-046		D.01	358	LF
15	-	Reinforced Concrete Pipe - 12"	IA CS-031		M.04	145	LF
16	_	Dual-Wall HDPE Pipe					
	A.	12" Diameter	IA CS-046		M.01-M.02	139	LF
	C.	24" Diameter	IA CS-046		M.01, M.03	1343	LF
17	-	SW-402 Water Control Structure	IA CS-031		B.04, M.04	1	EA
18	-	12" Apron, Footing, Bar Guard	IA CS-031		M.04	2	EA
19	-	8" x 20' CMP Tile Outlet	IA CS-051		D.01	2	EA
20	-	Riprap (Class E)	IA CS-061		B.05, M.01, M.03	735	TN
21	-	Erosion Stone	IA CS-061		A.02	105	TN
22	-	Concrete Grout	IA CS-062		B.05	90	CY
23	-	Anti-Seep Collars	IA CS-051		B.03, M.04	4	EA
24	-	Culvert Crossing	IA CS-051		M.04	1	EA



1519 BALTIMORE DRIVE AMES, IOWA 50010 Phone: (515) 233-6100 Email: Ames@bolton-menk.com www.bolton-menk.com

\Box
\Box
_ '
_

