

DUCKS UNLIMITED

DUCKS UNLIMITED

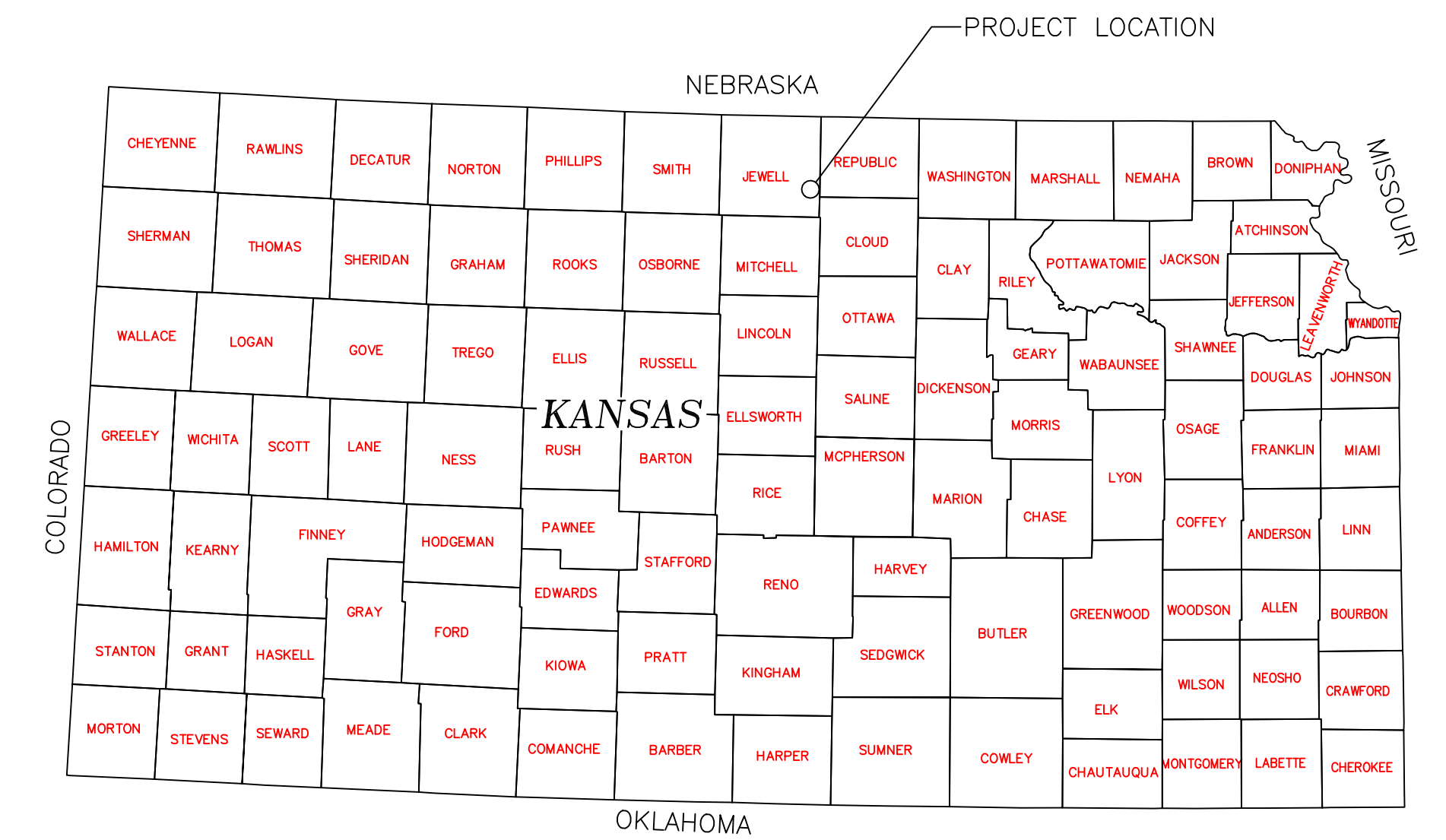
PROJECT

JAMESTOWN WA – PUDDLER MARSH RESTORATION

LOCATED IN THE SE¹/₄ OF SECTION 11
TOWNSHIP 4S, RANGE 6W, 6TH P.M.
JEWELL COUNTY, KANSAS

IN COOPERATION WITH

NAWCC



PLAN INDEX

- 1 LOCATION & VICINITY MAPS
- 2 OVERALL PLAN
- 3 EMBANKMENT #1 AND BORROW AREA DETAILS
- 4 SPILLWAY #1 AND BUNKER BLOCK WALL DETAILS
- 5 SPILLWAY #2 DETAILS
- 6 WATER CONTROL STRUCTURE PLAN & PROFILE
- 7 WATER CONTROL STRUCTURE DETAILS
- 8 SWPPP
- 9 SWPPP DETAILS
- 10 SWPPP NOTES
- 11 USGS TOPOGRAPHIC MAP

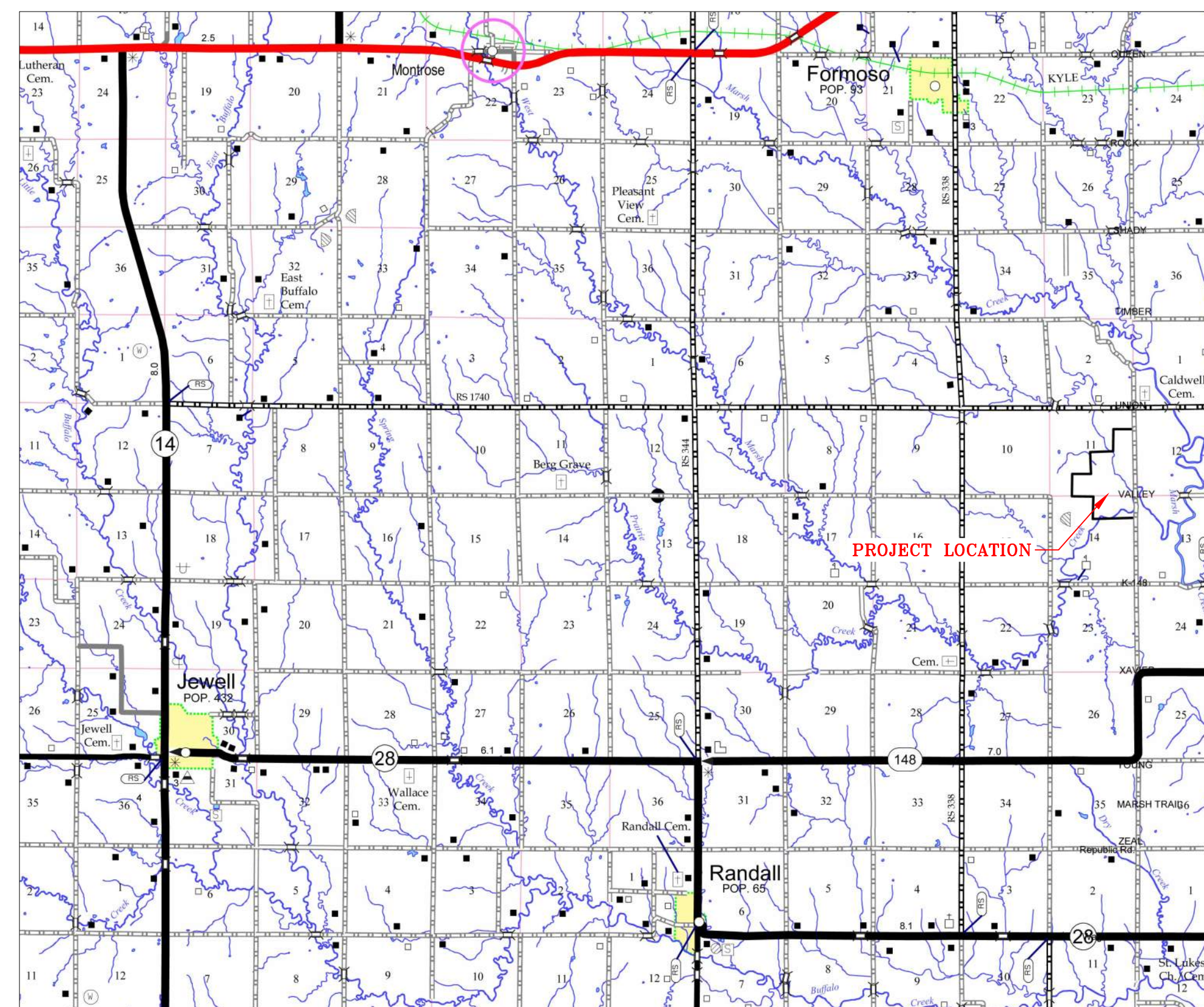
SPECIFICATIONS

- | | |
|-----|---|
| 101 | GENERAL CONDITIONS |
| 102 | SUPPLEMENTAL CONDITIONS |
| 201 | MOBILIZATION |
| 202 | SITE PREPARATION |
| 203 | EXCAVATION |
| 204 | EMBANKMENT CONSTRUCTION |
| 205 | WATER |
| 301 | WATER CONTROL STRUCTURES |
| 302 | STRUCTURE AND CULVERT APPURTENANCES |
| 303 | CULVERT AND PIPE INSTALLATION |
| 304 | CAST-IN-PLACE REINFORCED CONCRETE |
| 305 | RIPRAP, REVETMENT & AGGREGATE PLACEMENT |
| 401 | SOIL EROSION AND POLLUTION CONTROL |

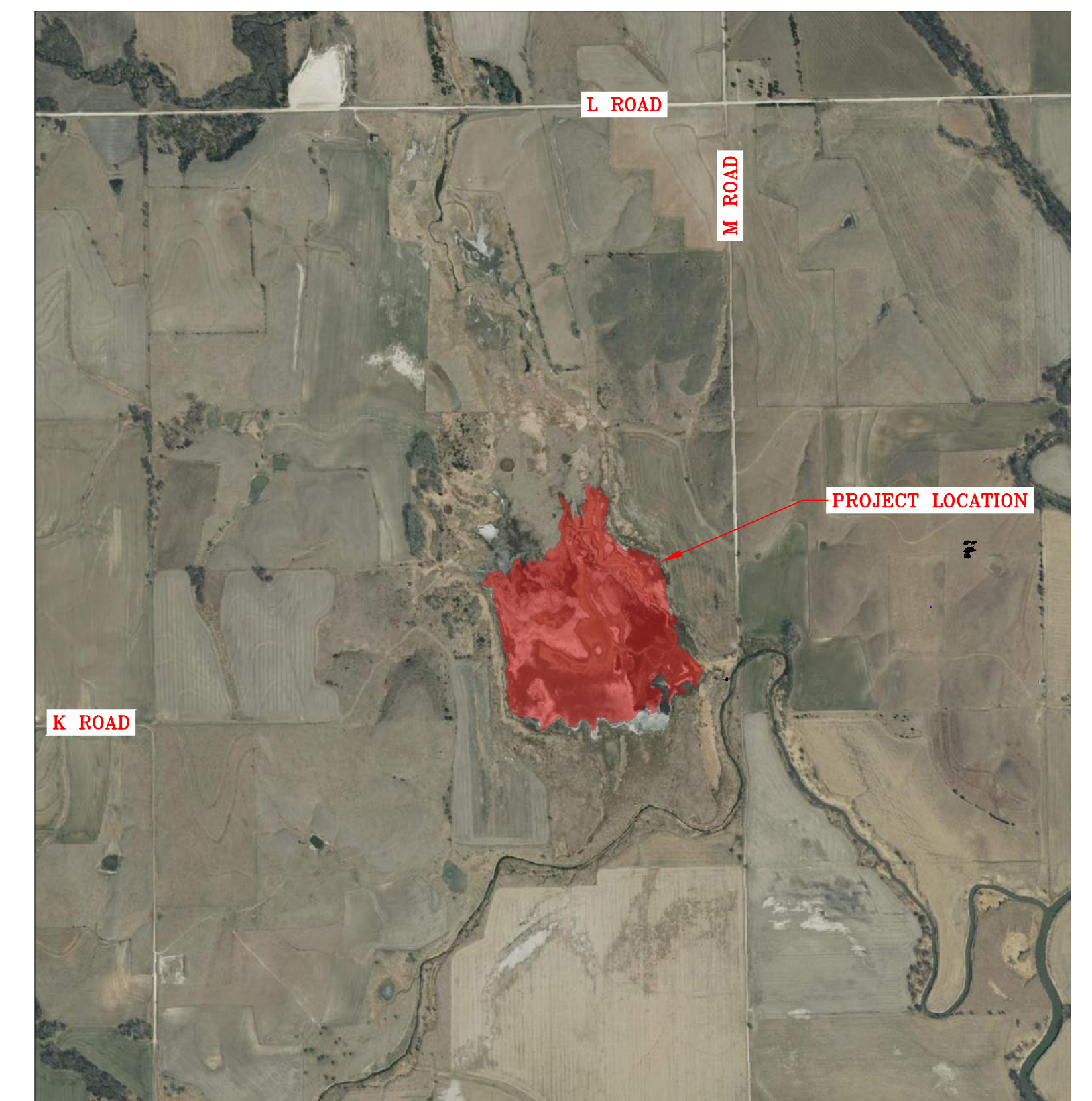
ESTIMATED QUANTITIES

MOBILIZATION	1 L.S.
SITE PREPARATION	1 L.S.
EXCAVATION (INCIDENTAL TO EMBANKMENT CONSTRUCTION)	7,472 C.Y.-P**
EMBANKMENT	1 M.G.
WATER	
48" IN-LINE WATER CONTROL STRUCTURE (8' TALL)	1 L.S.
DU CLASS II RIP RAP (W/ FILTER FABRIC)	176.1 C.Y.-P**
30" 14 GAUGE ALUMINUM PIPE	120 L.F.-A*
36" 14 GAUGE ALUMINUM PIPE	64 L.F.-A*
BUNKER BLOCK WALL	1 L.S.
SILT FENCE	1 L.S.
ROCK CHECK DAM	1 L.S.

* PAYMENT WILL BE BASED ON ACTUAL QUANTITY USED OR INSTALLED.
** PAYMENT WILL BE BASED ON THE PLAN QUANTITY LISTED ABOVE.
NOTE, FILL QUANTITY INCLUDES A 20% SHRINKAGE FACTOR



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

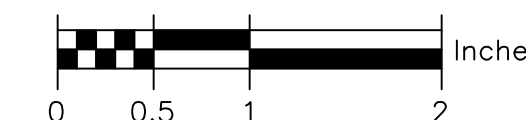
UTILITIES NOTE: BEFORE THE START OF CONSTRUCTION, THE OWNER OF ANY UTILITIES INVOLVED MUST BE NOTIFIED. THE EXCAVATOR/CONTRACTOR IS RESPONSIBLE FOR GIVING THIS NOTICE BY CALLING "KANSAS ONE CALL" AT 811 OR 1-800-DIG-SAFE (1-800-344-7233) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

DU FIELD ENGINEER:
KADE URBAN
HAYS, KS 67520
(785) 259-7624

DU REGIONAL ENGINEER:
CRAIG ROY, P.E.
LOUISBURG, KS 66053
(913) 991-2223

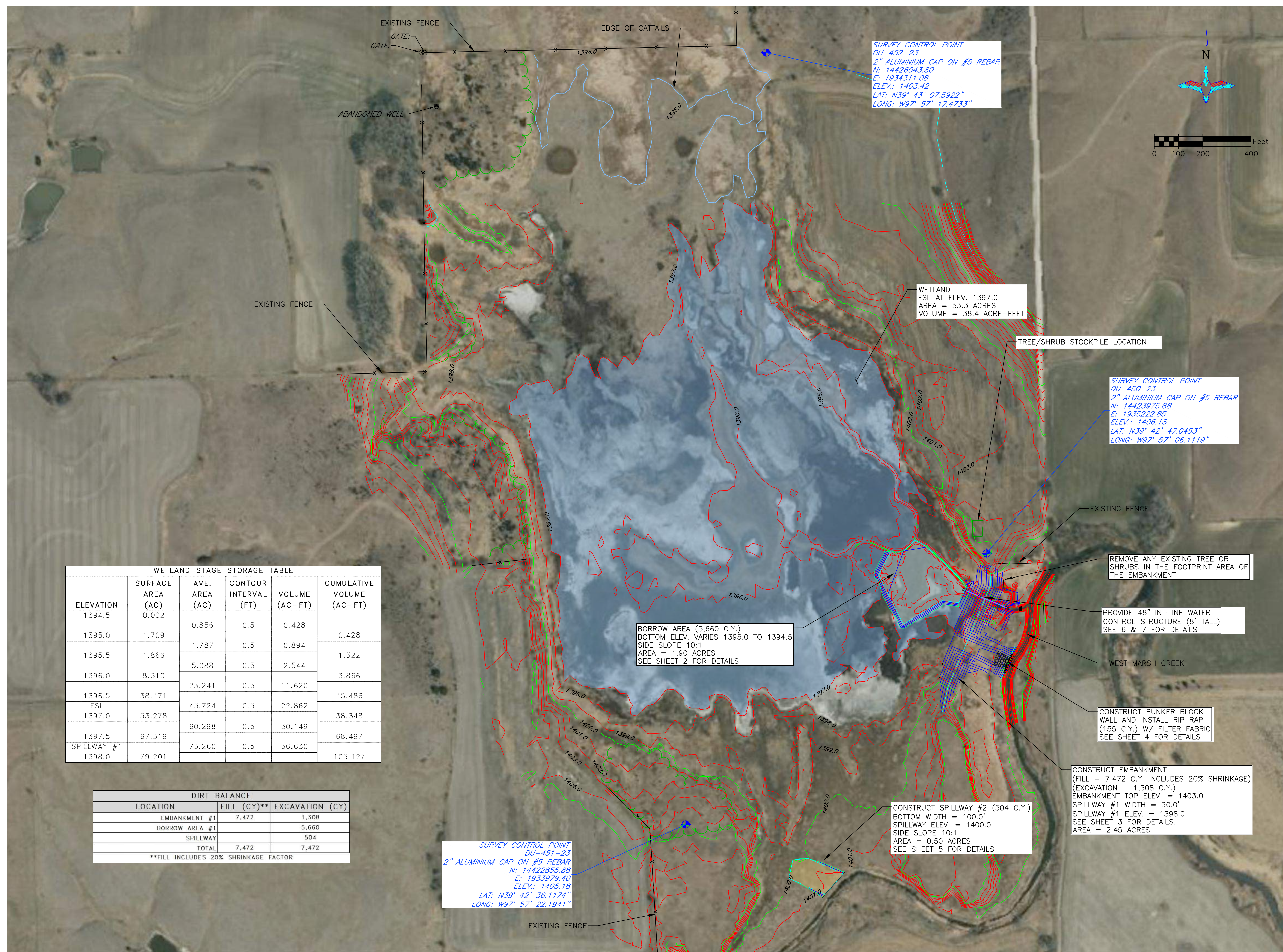
ALL WRITTEN SCALES ARE ACCURATE ON 24x36 INCH SHEETS.
THE BELOW SCALE BAR CAN BE USED TO CHECK PLAN SET SCALE.



PERMIT ISSUE



	PROJECT NO. KS-18-104	DESIGNED BY: KPU
	JAMESTOWN WA-PUDDLER MARSH RESTORATION	DRAWN BY: KPU
GREAT PLAINS REGIONAL OFFICE	LOCATION & VICINITY MAPS	CHECKED BY: CAR
DATE: 3/11/2024	APPROVED BY: CAR	APPROVED BY:
SHEET NO. 1 OF 11		



WETLAND STAGE STORAGE TABLE

ELEVATION	SURFACE AREA (AC)	AVE. AREA (AC)	CONTOUR INTERVAL (FT)	VOLUME (AC-FT)	CUMULATIVE VOLUME (AC-FT)
1394.5	0.002				
1395.0	1.709	0.856	0.5	0.428	0.428
1395.5	1.866	1.787	0.5	0.894	1.322
1396.0	8.310	5.088	0.5	2.544	3.866
1396.5	38.171	23.241	0.5	11.620	15.486
FSL 1397.0	53.278	45.724	0.5	22.862	38.348
1397.5	67.319	60.298	0.5	30.149	68.497
SPILLWAY #1 1398.0	79.201	73.260	0.5	36.630	105.127

DIRT BALANCE

LOCATION	FILL (CY)**	EXCAVATION (CY)
EMBANKMENT #1	7,472	1,308
BORROW AREA #1		5,660
SPILLWAY		504
TOTAL	7,472	7,472

**FILL INCLUDES 20% SHRINKAGE FACTOR

OVERALL PLAN VIEW
SCALE 1" = 200'

BORROW AREA NOTE:
SUITABLE MATERIAL FOR ALL EMBANKMENTS OR FILLS SHALL BE OBTAINED FROM THE DESIGNATED BORROW AREA SHOWN ON THIS SHEET AS APPROVED BY THE DU FIELD ENGINEER. CARE SHALL BE TAKEN NOT TO OPEN UP ANY SAND LENSES THAT WILL INCREASE SEEPAGE FROM ANY EXCAVATION AREAS. FINISHED SLOPES SHALL BE 10:1 OR FLATTER, UNLESS OTHERWISE SPECIFIED, AND 4" OF TOPSOIL SHALL BE RESPREAD OVER THE SLOPES. THE COST OF TOPSOIL WORK ON THE BORROW AREAS SHALL BE CONSIDERED INCIDENTAL TO "SITE PREPARATION."

CONSTRUCTION NOTES:

- REMOVE ALL TOPSOIL FROM EMBANKMENT, BORROW, AND CHANNEL AREAS AND RESPREAD TOPSOIL OVER THE AREAS WHEN COMPLETE.
- ALL FILL MATERIALS SHALL BE PLACED IN LOOSE LIFTS OF NOT MORE THAN 8 INCHES THICKNESS AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR METHOD ASTM D698. MOISTURE CONTENT SHALL BE IN THE RANGE OF -1% TO +3% OF OPTIMUM MOISTURE CONTENT.
- TREE AND SHRUB REMOVAL SHALL BE CONSIDERED INCIDENTAL TO "SITE PREPARATION". ALL TREES AND SHRUBS SHALL BE STOCKPILED ON SITE OR OTHERWISE SPECIFIED BY FIELD ENGINEER.

SEEDING AND MULCHING NOTE:

- SEEDING AND MULCHING SHALL BE REQUIRED ON EMBANKMENT AND SPILLWAY. THIS WORK SHALL BE PROVIDED BY OTHERS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN ADEQUATE SEED BED TO ALLOW SEEDING WITH STANDARD SEEDING EQUIPMENT. THIS WILL INCLUDE USE OF A HARROW OR OTHER MEANS IN ORDER TO LEAVE A SMOOTH, TRACK-FREE FINISH. BACK DRAGGING WITH A DOZER IS NOT AN ACCEPTABLE FINISH.
- BEFORE LAST SPRING FROST OR APRIL 15TH (WHICHEVER IS EARLIER), AREA WILL BE SEEDDED WITH A MIXTURE OF CUSTOM NATIVE GRASS MIX (SEE TABLE BELOW).
- MULCHING SHALL REQUIRE ANCHORING OF SOME TYPE SUCH AS

C Species	Variety	PLS % of Lbs. /		Total	WING	
		Acres	Acres			
GRASSES:						
Alkali Sacaton	N/A	0.3	20	0.06	3.0	0.2
Switchgrass	Blackwell	3.0	10	0.30	3.0	0.9
Switchgrass	Kanlow	6.0	15	0.90	3.0	2.7
W. Wheatgrass	Barton	10.0	5	0.5	3.0	1.5
Tall Wheatgrass	Jose	12.0	15	1.8	3.0	5.4
Sideoats Grama	El Reno	8.0	5	0.30	3.0	0.9
Indiangrass	Cheyenne	6.0	5	0.30	3.0	0.9
Prairie Cordgrass	N/A	6.0	10	0.60	3.0	1.8
Intermediate Wheatgrass	N/A	5.0	15	0.75	3.0	2.3
				5.5		14.3

- ABBREVIATIONS LIST**
- BLDC = BUILDING CORNER
 - BRK = BREAK
 - BTM = BOTTOM
 - CL = CENTER LINE
 - CMP = CORRUGATED METAL PIPE ROUND
 - CMPA = CORRUGATED METAL PIPE ARCH
 - CONC = CONCRETE
 - DIA = DIAMETER
 - E = EASTING COORDINATE OR EAST
 - ELEV = ELEVATION
 - EMB = EMBANKMENT
 - EPAV = EDGE OF PAVEMENT
 - EX = EXISTING
 - EXIST = EXISTING
 - FES = FLARED END SECTION
 - FX = FENCE
 - GA = GAUGE
 - GW = GUY WIRE
 - INV = INVERT
 - LAT = LATITUDE (WGS84)
 - LONG = LONGITUDE (WGS84)
 - LF = LINEAR FEET
 - MISC = MISCELLANEOUS
 - N = NORTHING COORDINATE OR NORTH
 - NFES = NON-FLARED END SECTION
 - OC = ON CENTER
 - OCEW = ON CENTER EACH WAY
 - OHE = OVERHEAD ELECTRIC
 - PC = POINT OF INTERSECTION
 - PI = POINT OF INTERSECTION
 - PT = POINT OF TANGENCY
 - RCP = REINFORCED CONCRETE PIPE
 - RD = ROAD
 - REM = REMOVE
 - REQ'D = REQUIRED
 - ROW = RIGHT OF WAY
 - S = SOUTH
 - SED = SEDIMENT
 - SHLD = SHOULDER
 - SLP = SLOPE
 - STPLG = STOPLOG
 - TBM = TEMPORARY BENCHMARK
 - TEL = TELEPHONE/COMMUNICATIONS
 - UG = UNDERGROUND
 - VEG = VEGETATION
 - W = WEST OR WITH
 - WCS = WATER CONTROL STRUCTURE
 - WL = WATER LEVEL
 - WS = WATER SHOT

*NOTE: NOT ALL ABBREVIATIONS IN THIS LIST APPEAR ON THIS SHEET

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

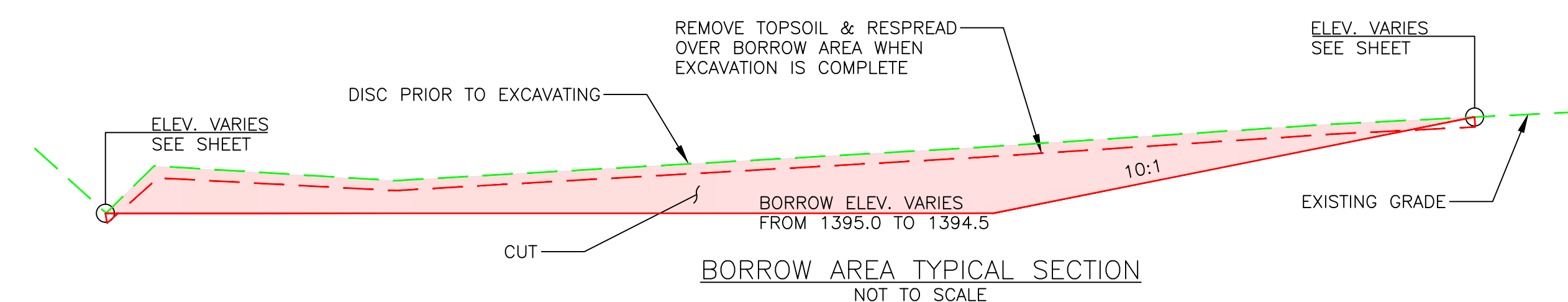
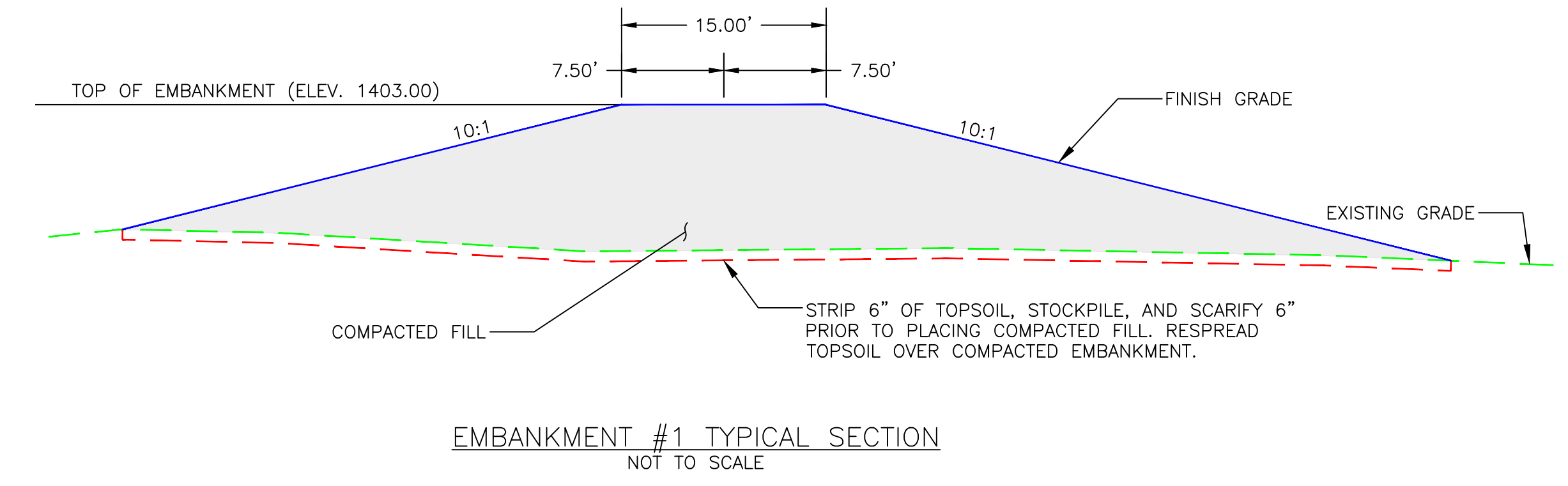
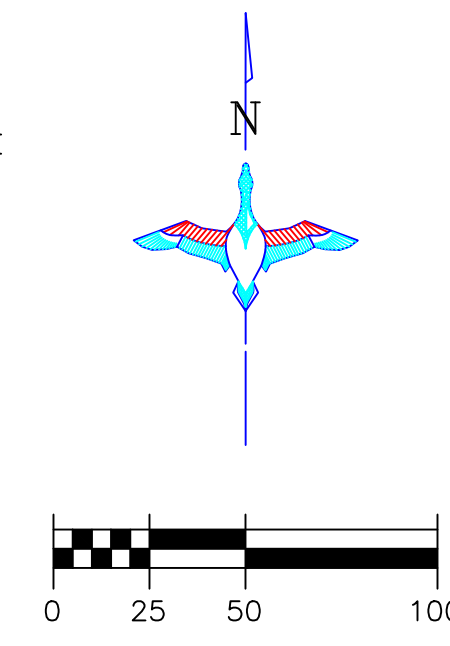
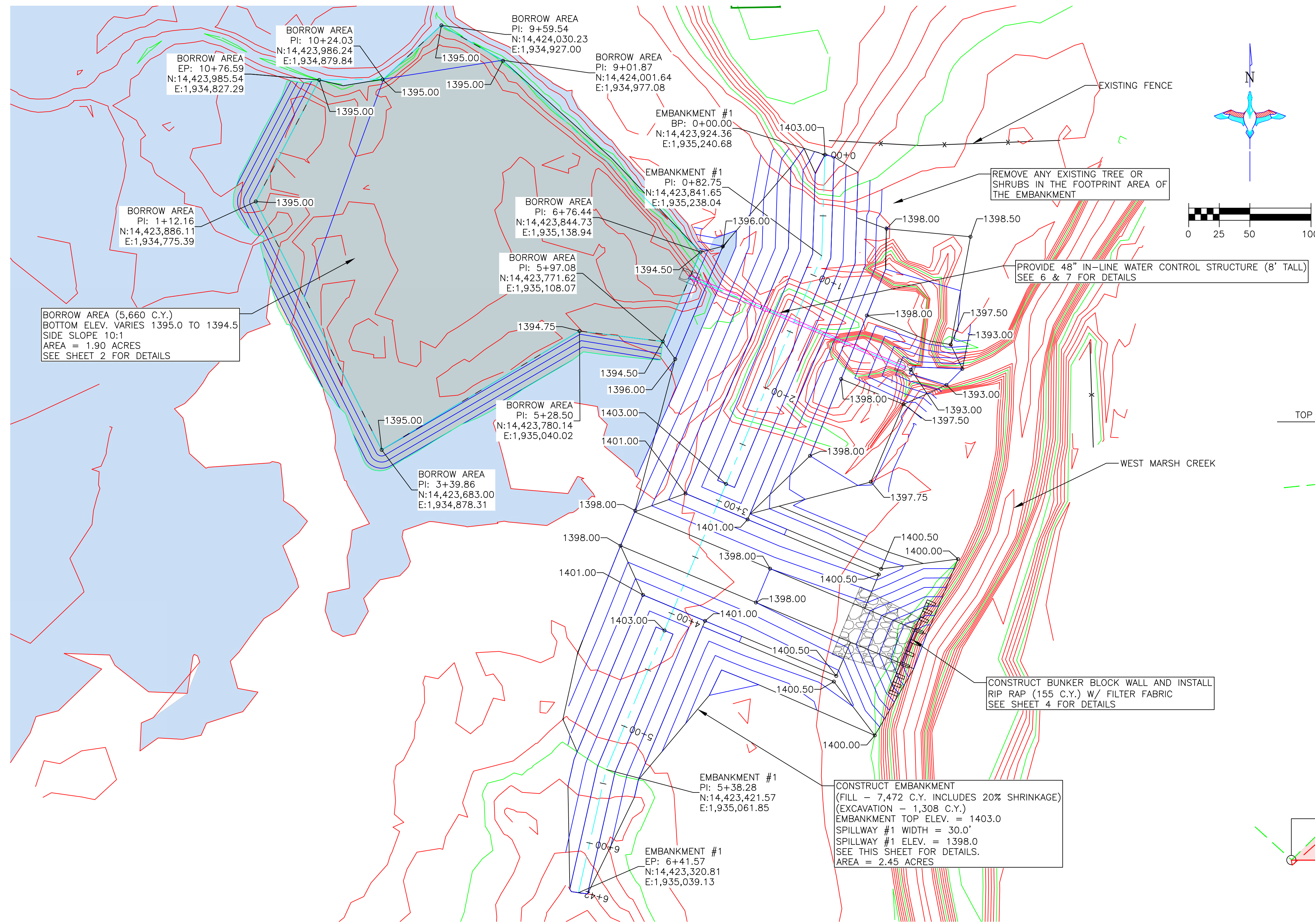
HORIZONTAL AND VERTICAL CONTROL OPUS SOLUTION— COORDINATES ARE UTM ZONE 14 GRID COORDINATES IN US FEET [NAD83]. THEY WERE ESTABLISHED FROM THE WGS84 ELLIPSOID WITH INFORMATION FROM A TRIMBLE R12 SURVEY GRADE GPS RECEIVER ON DECEMBER 12TH, 2023 AT DUCKS UNLIMITED CONTROL POINT DU-450-23 AND CALIBRATED TO AN OPUS POSITION OCCUPIED FOR 2 HOURS AND 48 MINUTE(S) AND SENT TO NGS FOR SOLUTION. THE VERTICAL CONTROL CAME FROM THE SAME SOLUTION USING GEOID 18 CONUS IN THE NAVD83. THE FULL OPUS SOLUTION REPORT IS ON FILE AT THE DUCKS UNLIMITED ENGINEERING DEPARTMENT IN GRAND ISLAND, NEBRASKA.

C:\Users\kurban\OneDrive - Ducks Unlimited Incorporated\Projects\Projects\KS-18-104 Puddler Marsh\Design\KS-18-104 Design 1.dwg

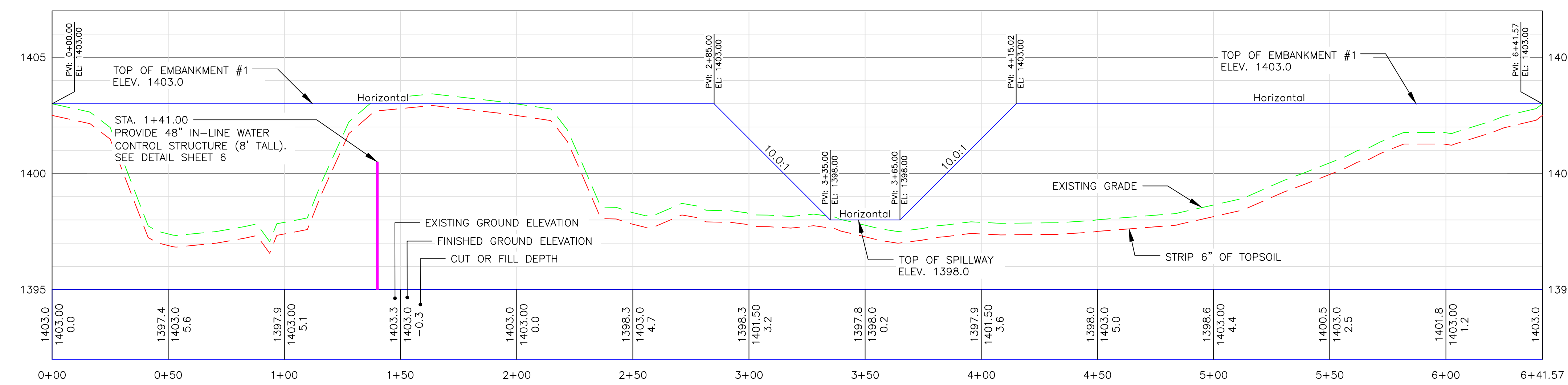
PERMIT ISSUE



	PROJECT NO.	KS-18-104	DESIGNED BY:	KPU	
	JAMESTOWN WA-PUDDLER MARSH RESTORATION		DRAWN BY:	KPU	
GREAT PLAINS REGIONAL OFFICE		OVERALL PLAN		CHECKED BY:	CAR
DATE:	SHEET NO.	APPROVED BY:	APPROVED BY:		
3/11/2024	2 OF 11	CAR			



EMBankment Plan
 SCALE 1" = 50'



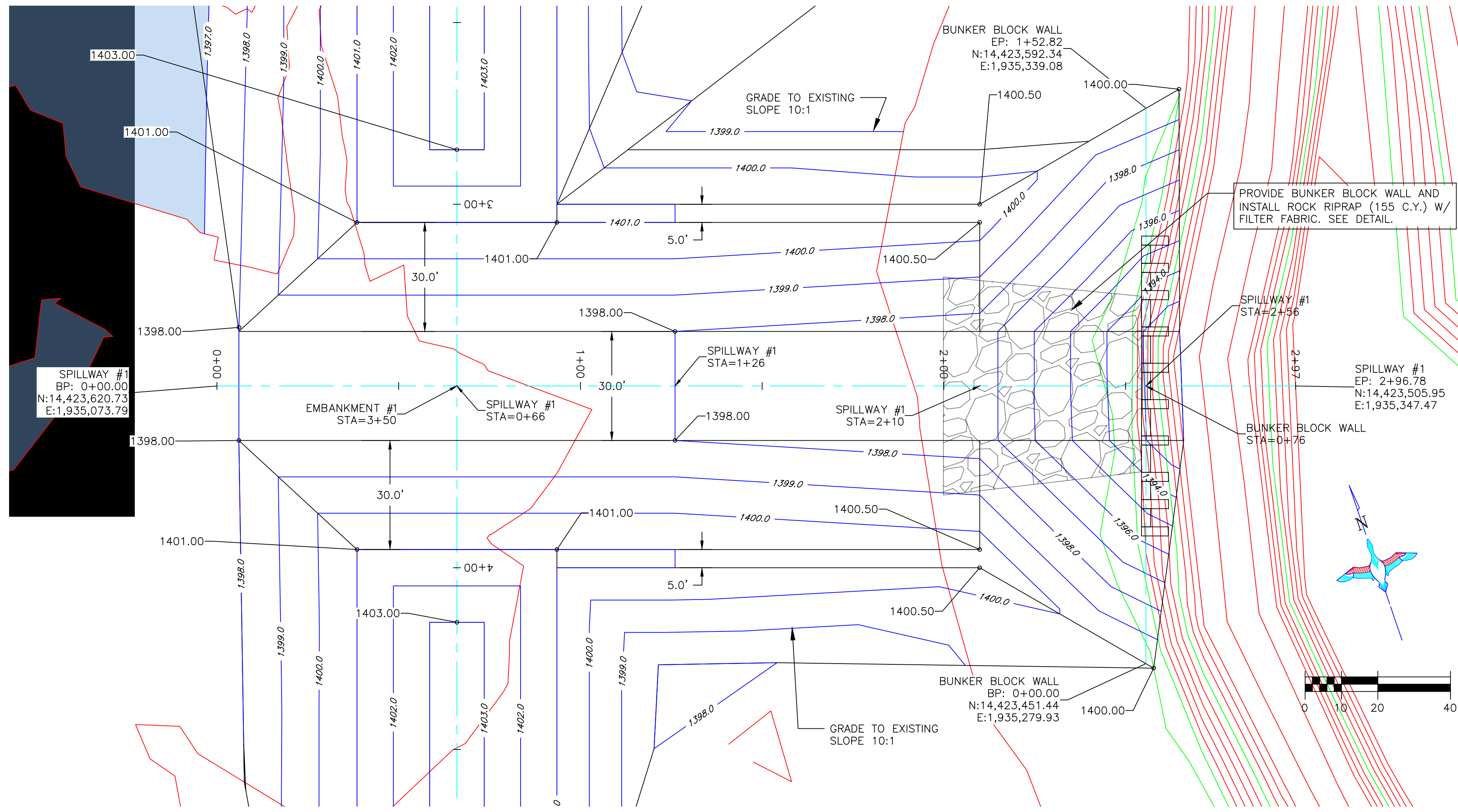
- EMBANKMENT CONSTRUCTION NOTES:**
- EMBANKMENT CONSTRUCTION SHALL BE FROM COMPACTED EARTHEN MATERIAL MOSTLY FREE OF VEGETATIVE MATTER AND SHALL COMPLY WITH SPECIFICATION SECTION 204 "EMBANKMENT CONSTRUCTION".
 - MATERIAL FOR EMBANKMENT CONSTRUCTION SHALL BE OBTAINED FROM THE BORROW AREA. ANY ADDITIONAL MATERIAL REQUIRED SHALL BE OBTAINED FROM A FIELD IDENTIFIED BORROW AREA BY A DUCKS UNLIMITED REPRESENTATIVE.
 - STRIP AND STOCKPILE 6" TOPSOIL FROM THE EMBANKMENT FOOTPRINT. RESPREAD TOPSOIL OVER FINISHED EMBANKMENT. COST OF TOPSOIL WORK SHALL BE CONSIDERED INCIDENTAL TO "SITE PREPARATION".
 - EMBANKMENT FILL TO BE PLACED IN LIFTS OF NO MORE THAT 8" AND COMPACTED PRIOR TO PLACING SUBSEQUENT LIFTS.

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

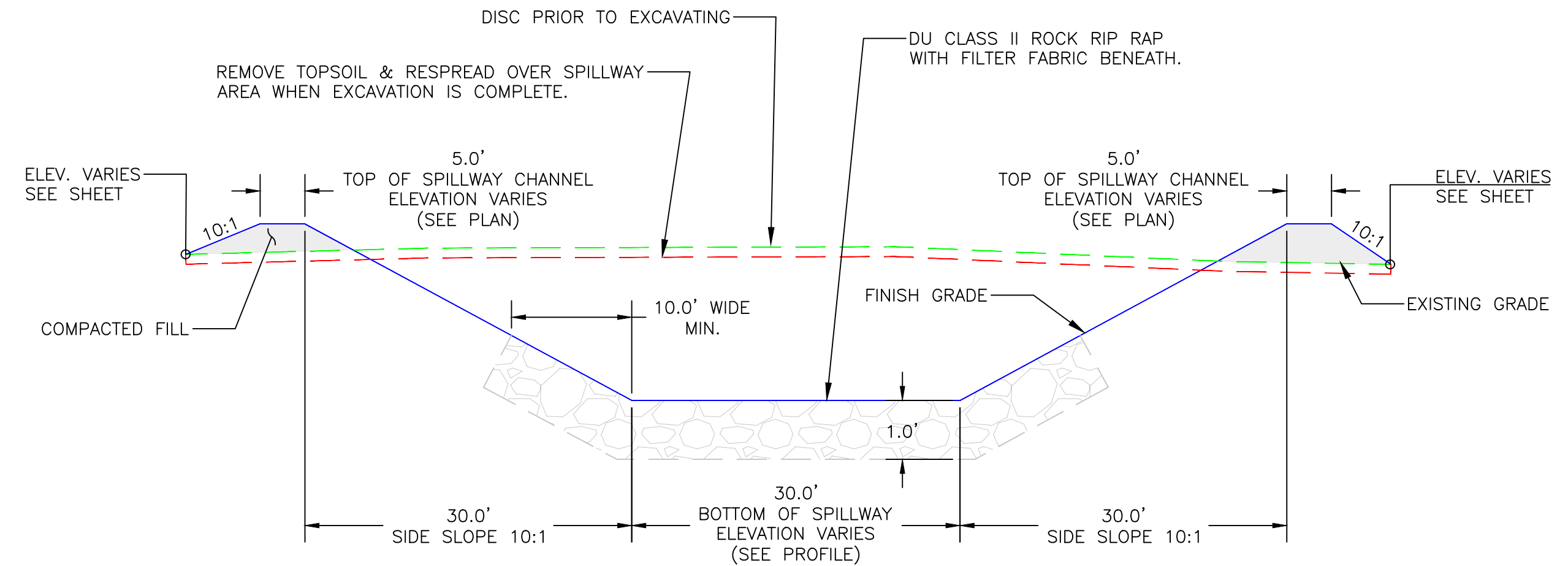


DUCKS UNLIMITED INC. GREAT PLAINS REGIONAL OFFICE DATE: 3/11/2024	PROJECT NO. KS-18-104 JAMESTOWN WA-PUDDLER MARSH RESTORATION	DESIGNED BY: KPU DRAWN BY: KPU
	EMBANKMENT #1 AND BORROW AREA DETAILS	SURVEYED BY: KPU CHECKED BY: CAR
SHEET NO. 3 OF 11	APPROVED BY: CAR	APPROVED BY:

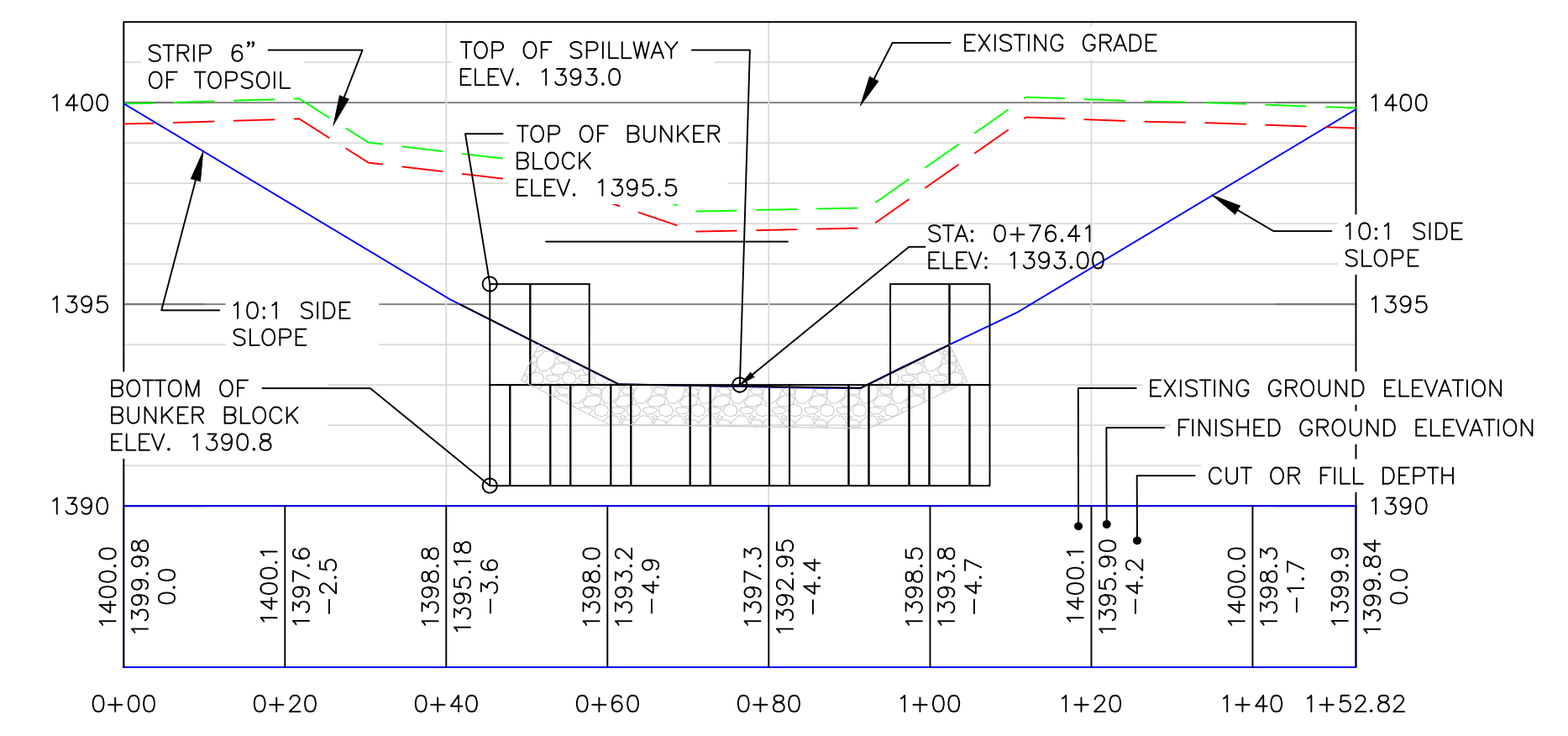
PERMIT ISSUE



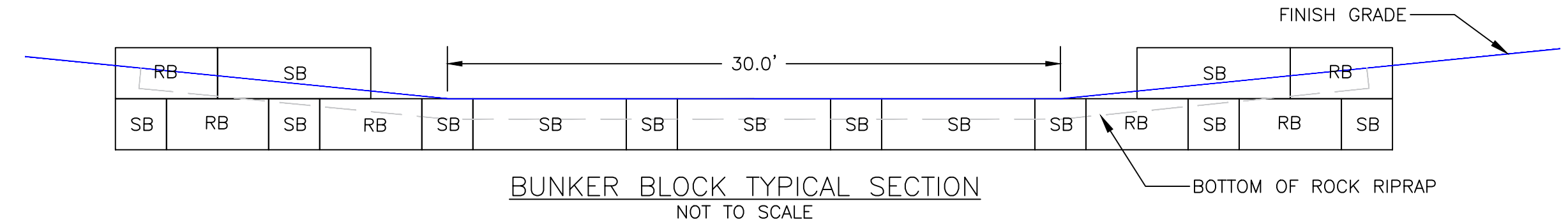
SPILLWAY #1 PLAN
HORIZONTAL SCALE 1" = 20'



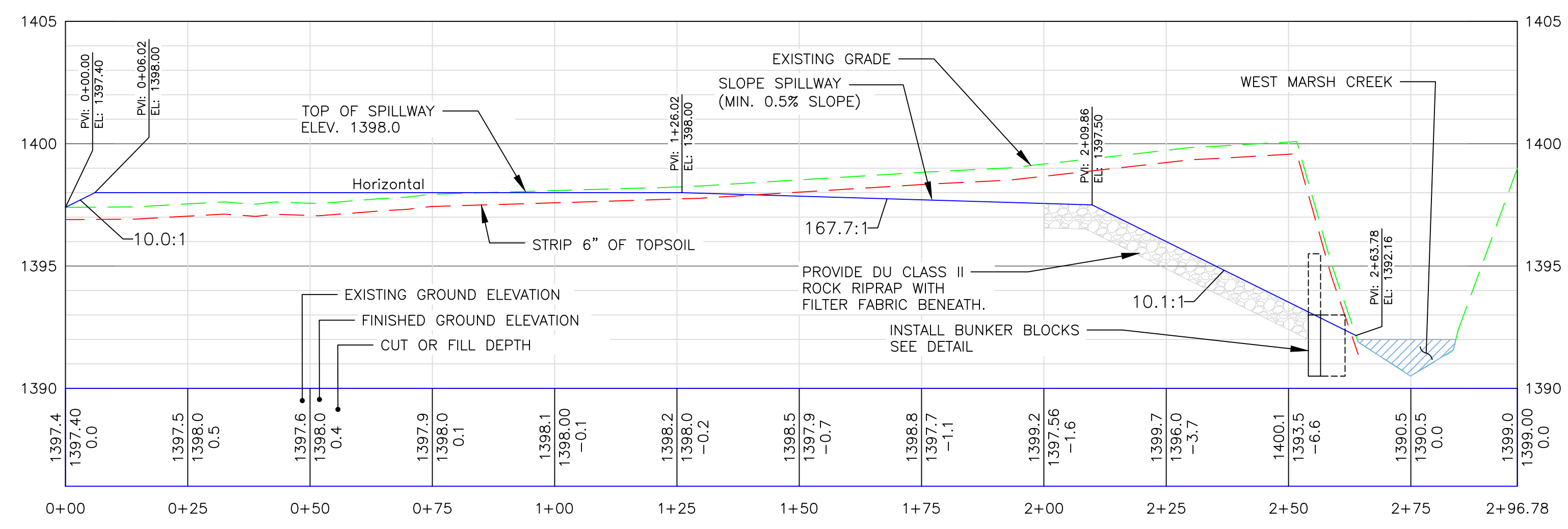
SPILLWAY #1 TYPICAL SECTION
NOT TO SCALE



BUNKER BLOCK WALL PROFILE
HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 4'



BUNKER BLOCK TYPICAL SECTION
NOT TO SCALE



SPILLWAY #1 PROFILE
HORIZONTAL SCALE 1" = 20'
VERTICAL SCALE 1" = 4'

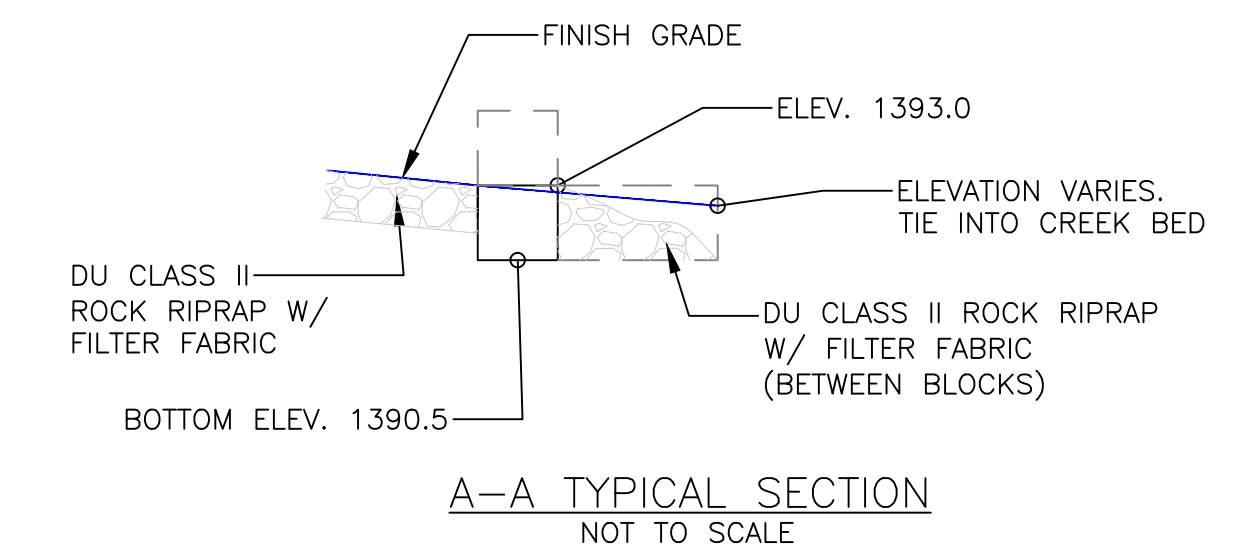
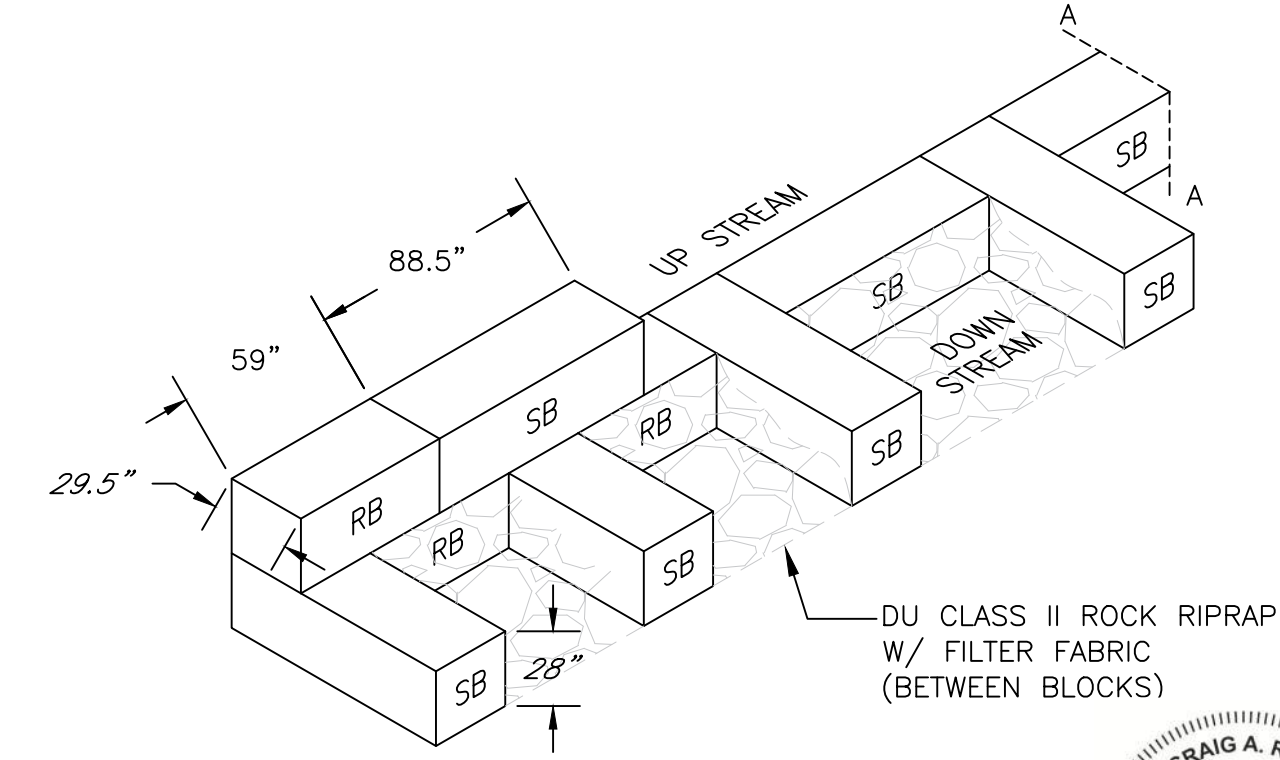
SPILLWAY CONSTRUCTION NOTES:

- MATERIAL FOR SPILLWAY CONSTRUCTION SHALL BE OBTAINED FROM THE BORROW AREA. ANY ADDITIONAL MATERIAL REQUIRED SHALL BE OBTAINED FROM A FIELD IDENTIFIED BORROW AREA BY A DUCKS UNLIMITED REPRESENTATIVE.
- STRIP AND STOCKPILE 6" TOPSOIL FROM THE EMBAKMENT AND SPILLWAY FOOTPRINT. RESPREAD TOPSOIL OVER FINISHED EMBAKMENT. COST OF TOPSOIL WORK SHALL BE CONSIDERED INCIDENTAL TO "SITE PREPARATION".
- FILL TO BE PLACED IN LIFTS OF NO MORE THAT 8" AND COMPACTED PRIOR TO PLACING SUBSEQUENT LIFTS.
- SEEDING IS REQUIRED ON SPILLWAY FOOTPRINT. SEE SHEET 2 FOR DETAILS AND SEED MIX.

BUNKER BLOCK INSTALLATION NOTES

- BUNKER BLOCKS SHALL BE PLACED ON A LEVEL SURFACE OF COMPACTED SOIL
- LEVEL BLOCKS VERTICALLY PRIOR TO PLACING BACKFILL. BACKFILL AROUND STRUCTURE BY HAND IN 8" LIFTS. HAND TAMP ONLY.
- COST OF BUNKER BLOCK WALL SHALL BE PAID AS A BID ITEM "BUNKER BLOCK WALL".
- INTERLOCKING BLOCKS ARE PREFABRICATED BY MIDWEST CONCRETE MATERIALS. TELEPHONE NUMBER 785-776-8811. SPECIFY SIZE AND TYPE OF BLOCKS WHEN ORDERING.
- THE TOP ROW OF BLOCKS SHALL HAVE A MINIMUM OF 16" OF BACKFILL ON THE DOWN STREAM SIDE. THEN PLACE DU CLASS II ROCK RIPRAP ON TOP OF FINISHED GRADE.

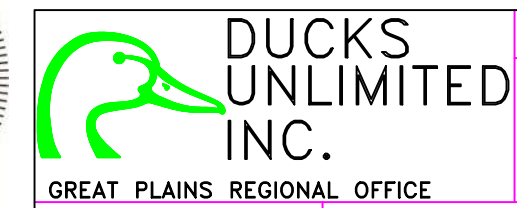
BUNKER BLOCK INFORMATION				
ITEM	LENGTH	HEIGHT	WIDTH	QUANTITY
REGULAR BLOCK (RB)	59"	28"	29.5"	6
SUPER BLOCK (SB)	88.5"	28"	29.5"	13



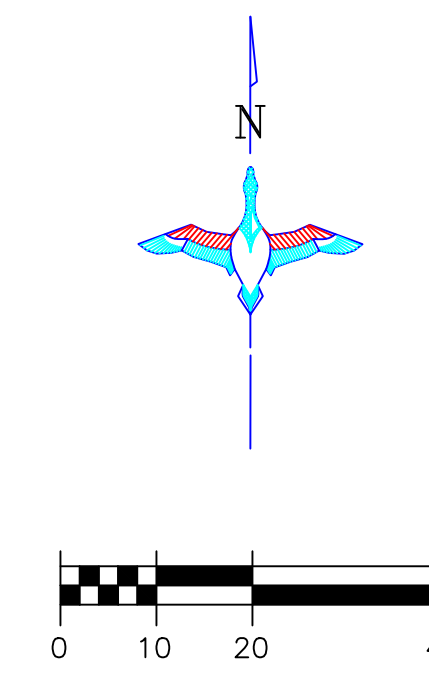
A-A TYPICAL SECTION
NOT TO SCALE

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

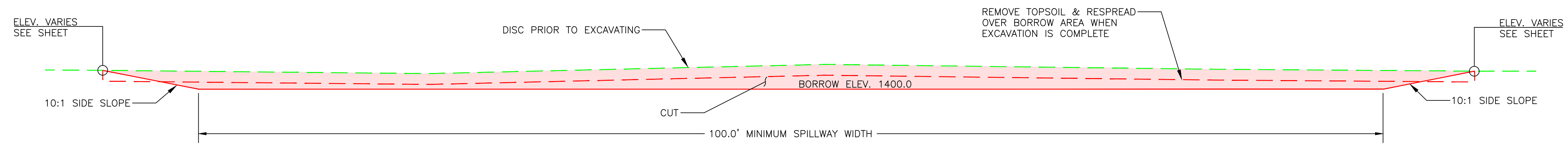
PERMIT ISSUE



PROJECT NO. KS-18-104	DESIGNED BY: KPU
JAMESTOWN WA-PUDDLER MARSH RESTORATION	DRAWN BY: KPU
SPILLWAY #1 AND	SURVEYED BY: KPU
BUNKER BLOCK WALL DETAILS	CHECKED BY: CAR
DATE: 3/11/2024	APPROVED BY: CAR
SHEET NO. 4 OF 11	APPROVED BY:



SPILLWAY #2 PLAN
 HORIZONTAL SCALE 1" = 20'



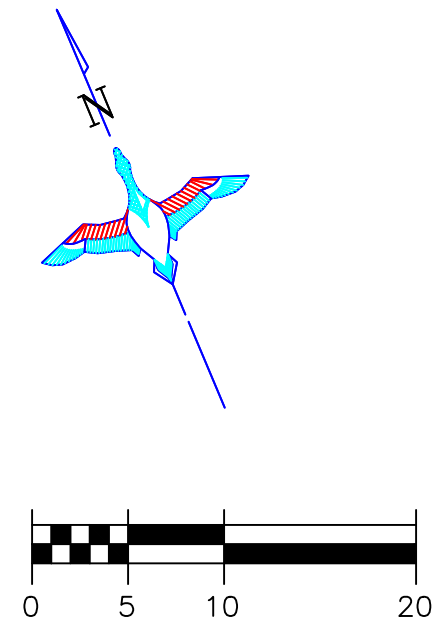
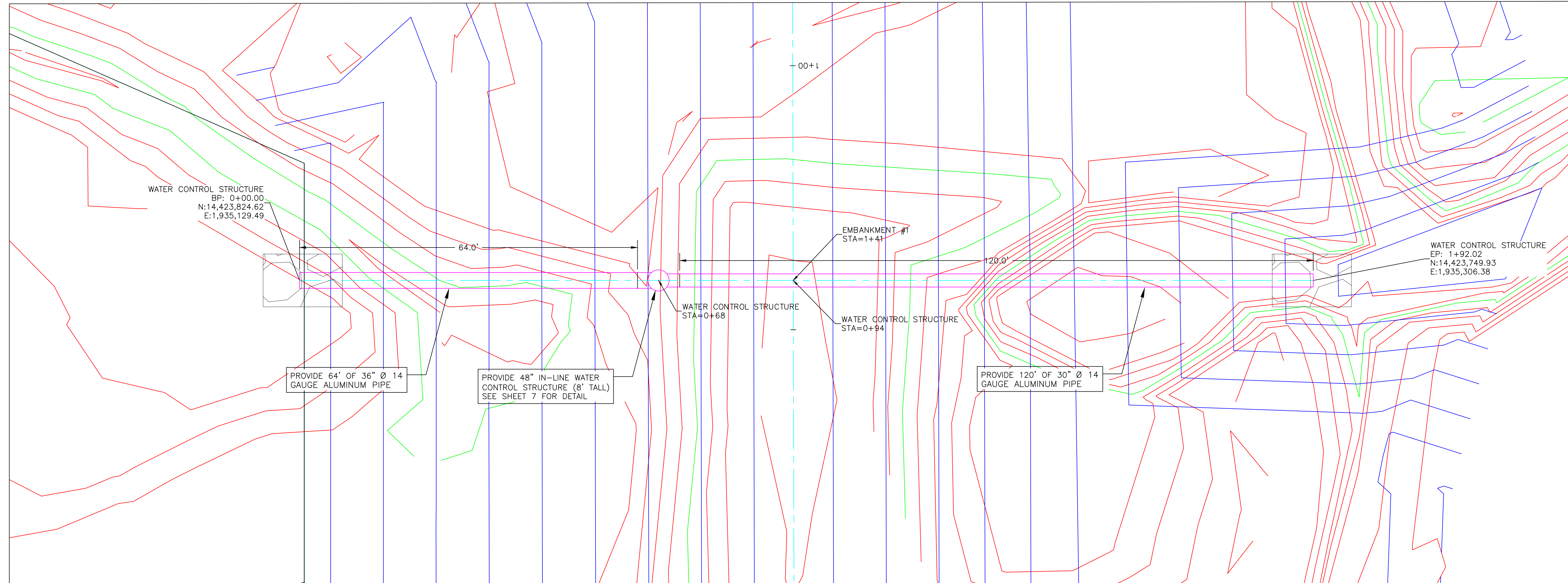
SPILLWAY #2 TYPICAL SECTION
 NOT TO SCALE

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THIS MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

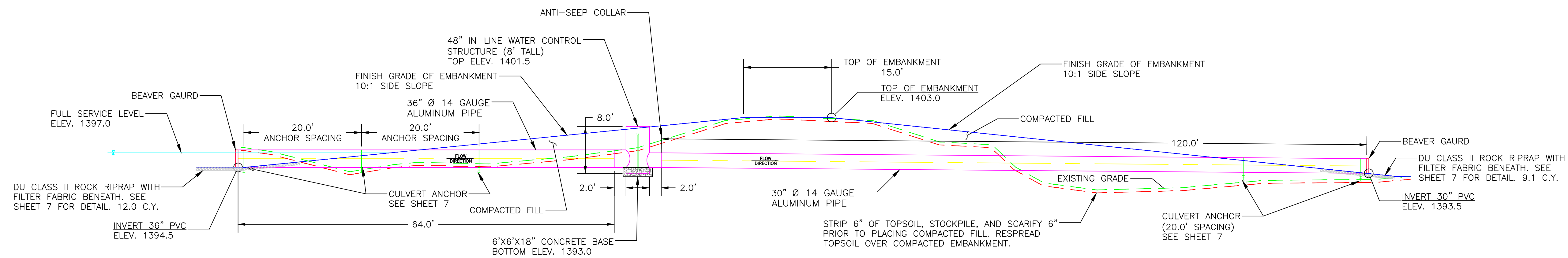
PERMIT ISSUE



 GREAT PLAINS REGIONAL OFFICE DATE: 3/11/2024 SHEET NO. 5 OF 11	PROJECT NO. KS-18-104 JAMESTOWN WA-PUDDLER MARSH RESTORATION	DESIGNED BY: KPU DRAWN BY: KPU SURVEYED BY: KPU CHECKED BY: CAR
	SPILLWAY #2 DETAILS APPROVED BY: CAR	



IN-LINE WATER CONTROL STRUCTURE PLAN
HORIZONTAL SCALE 1" = 10'



IN-LINE WATER CONTROL STRUCTURE PROFILE
SCALE 1" = 10'

STRUCTURE INSTALLATION NOTES

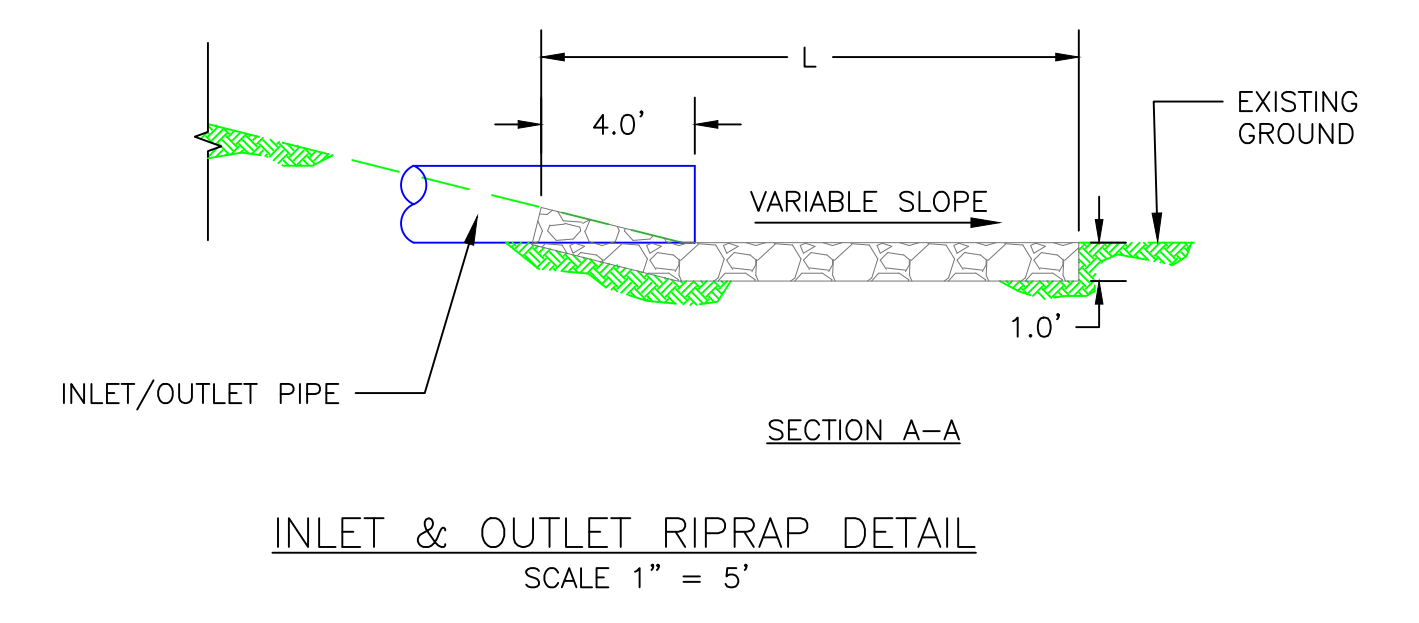
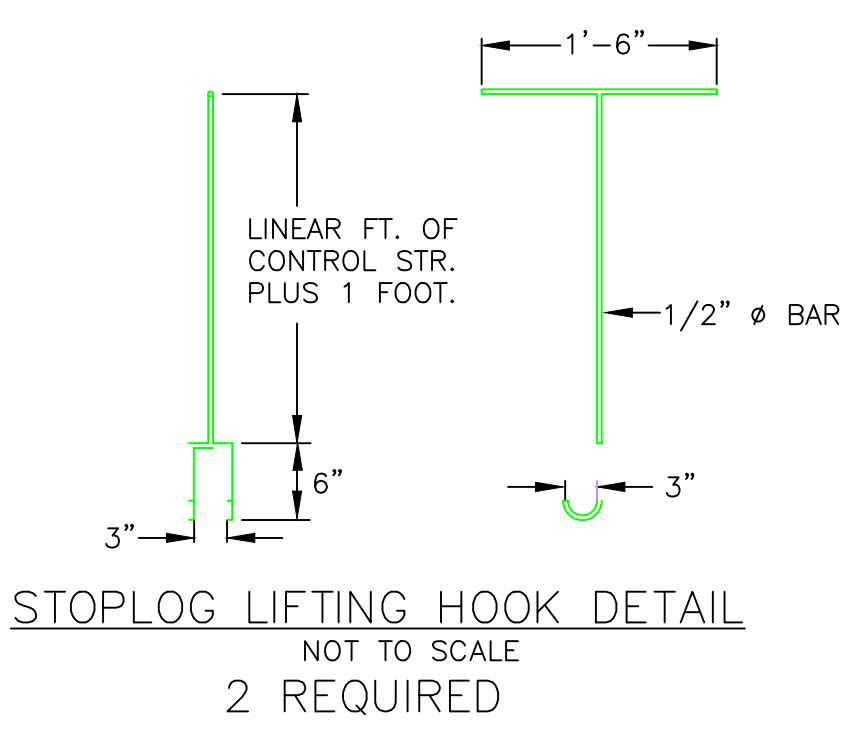
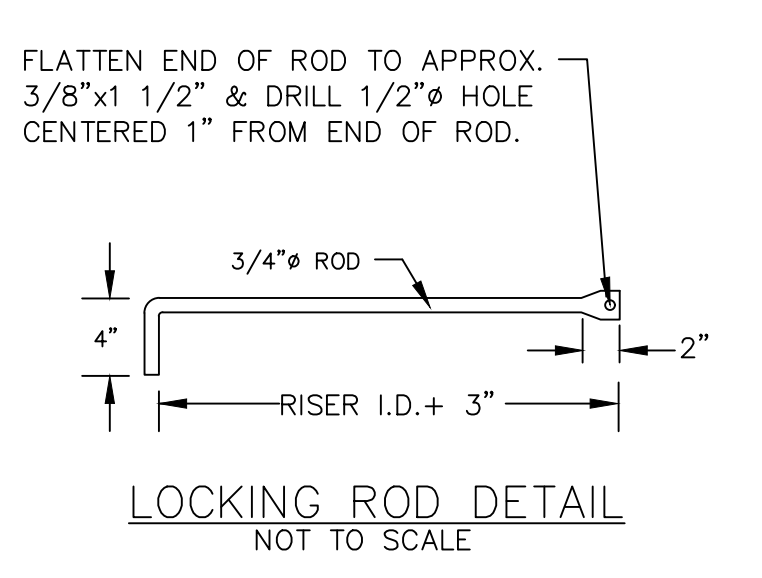
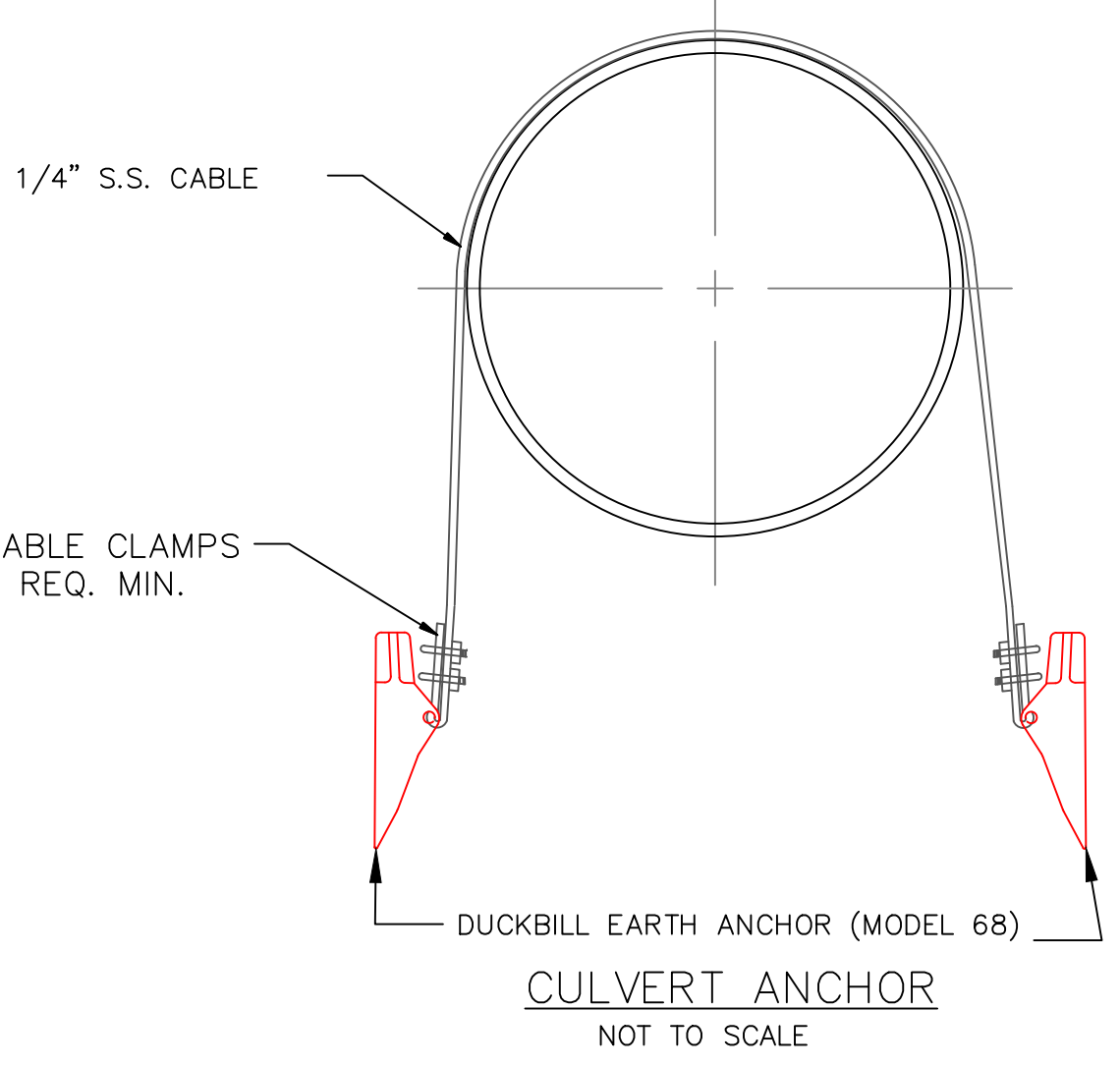
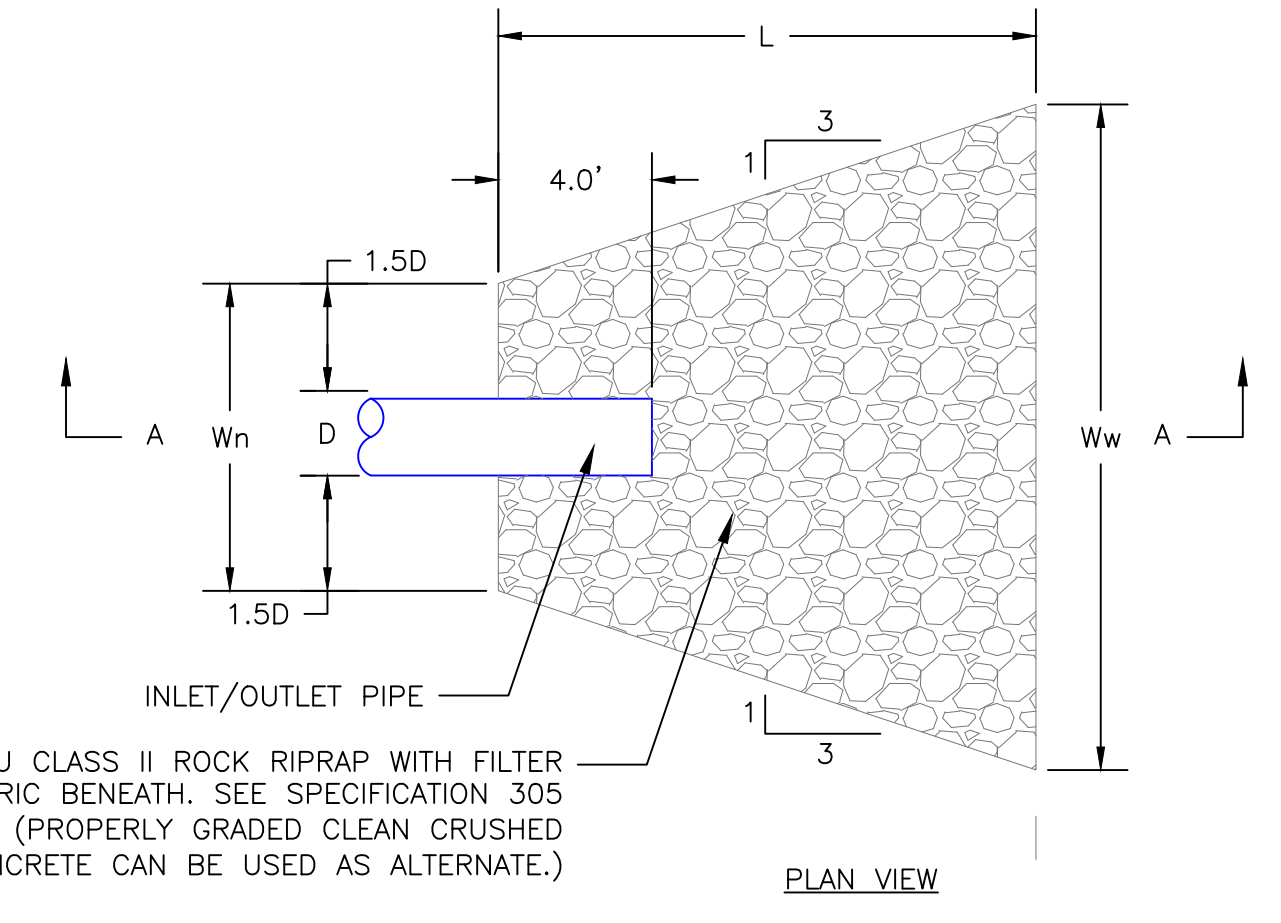
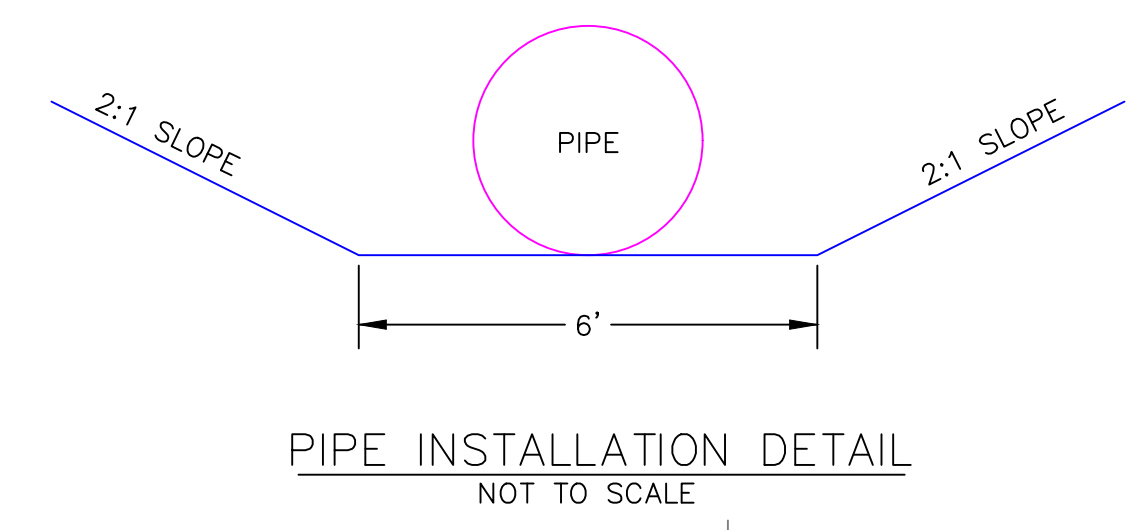
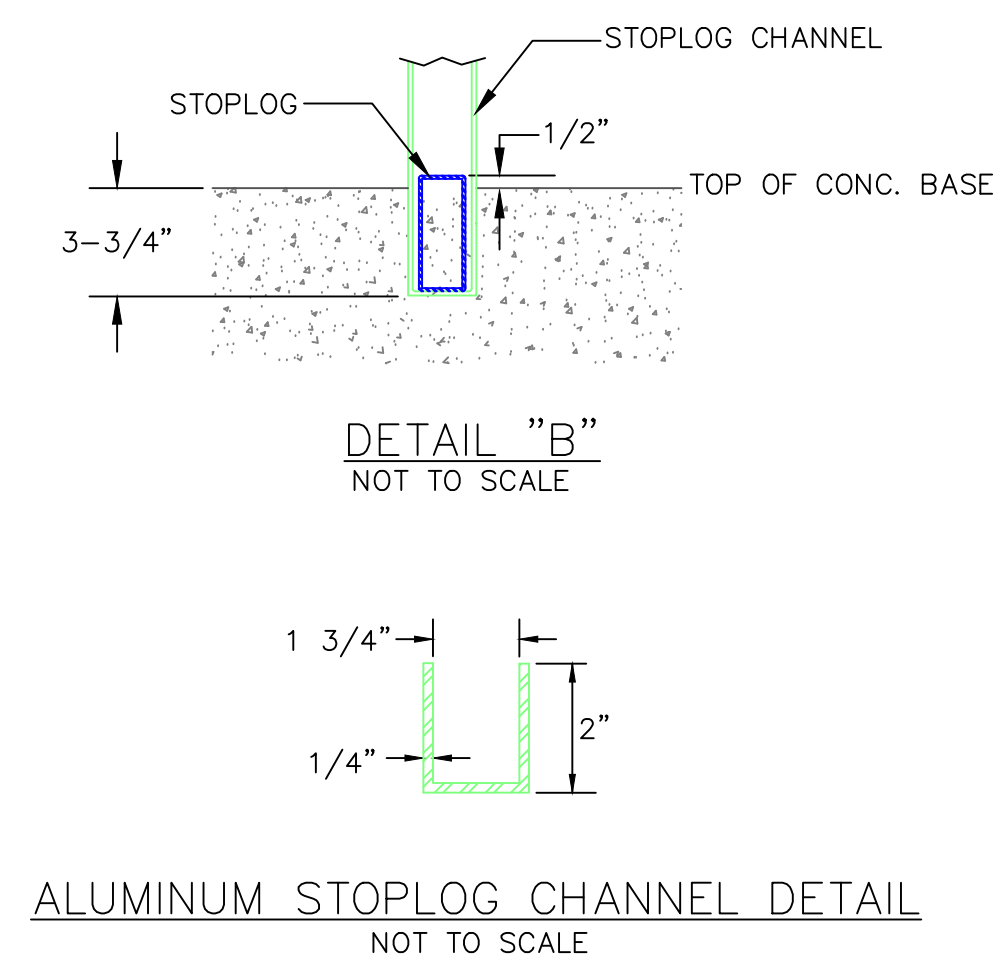
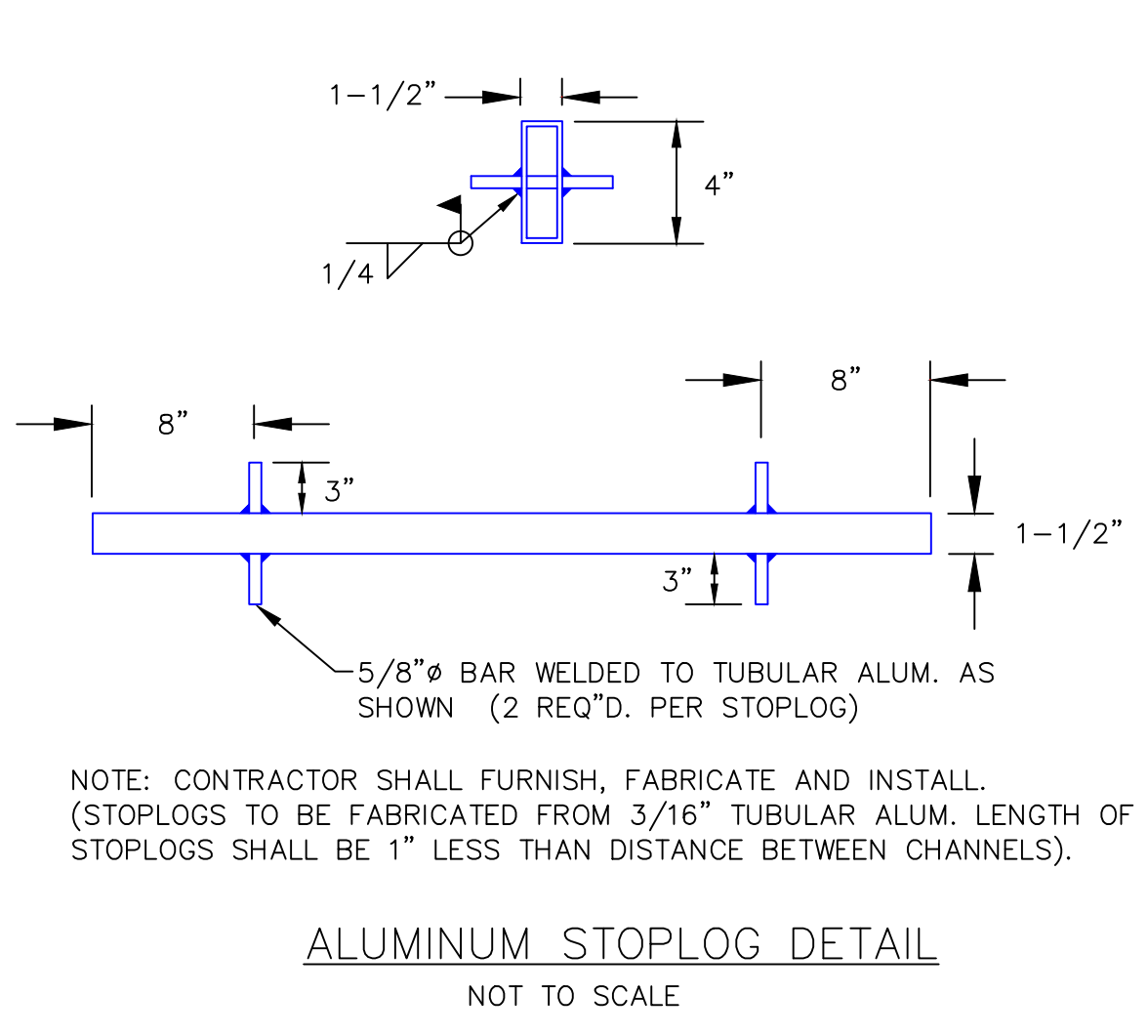
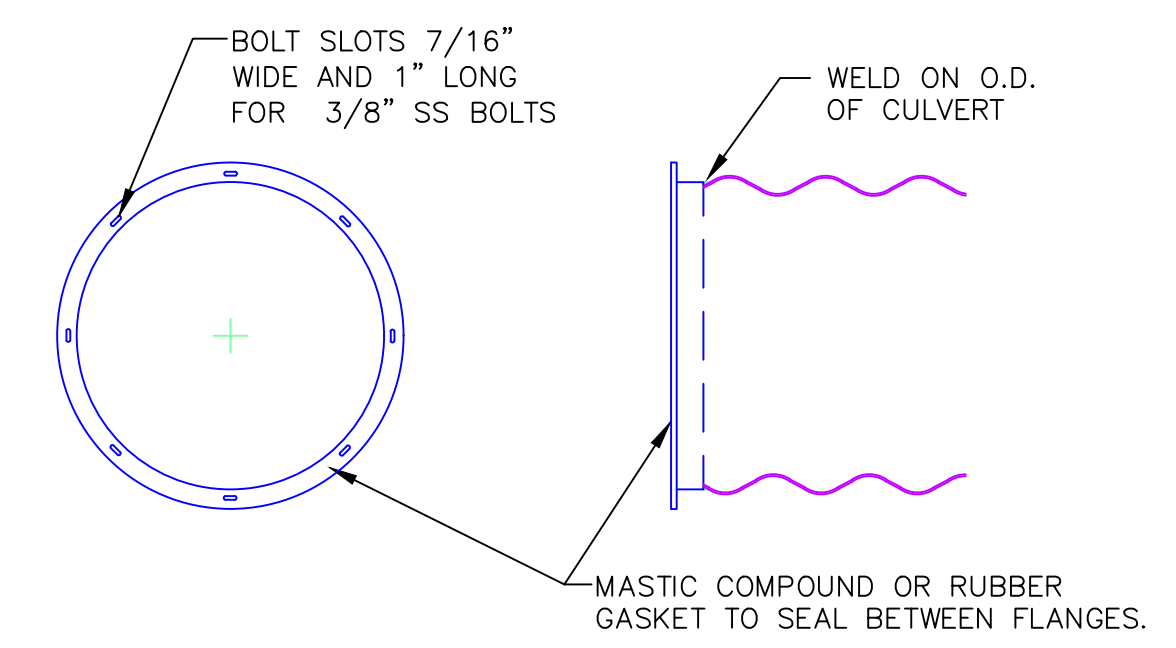
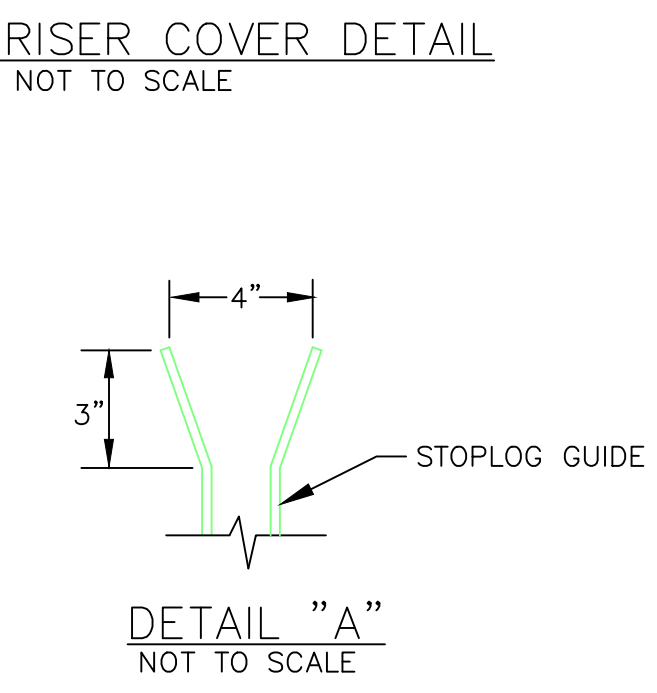
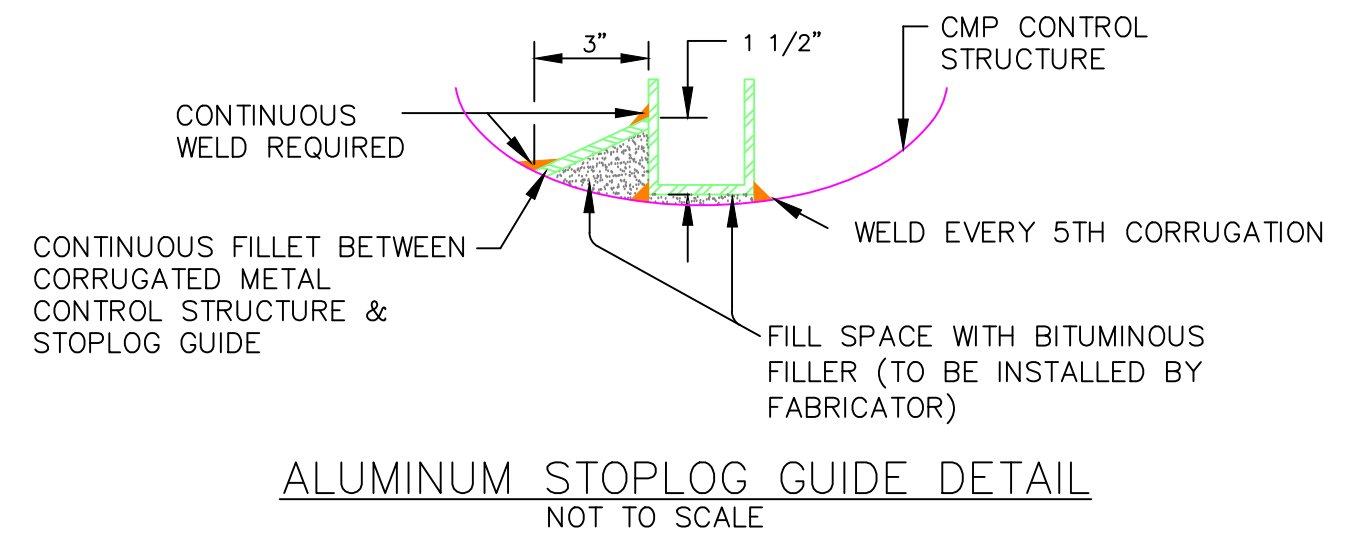
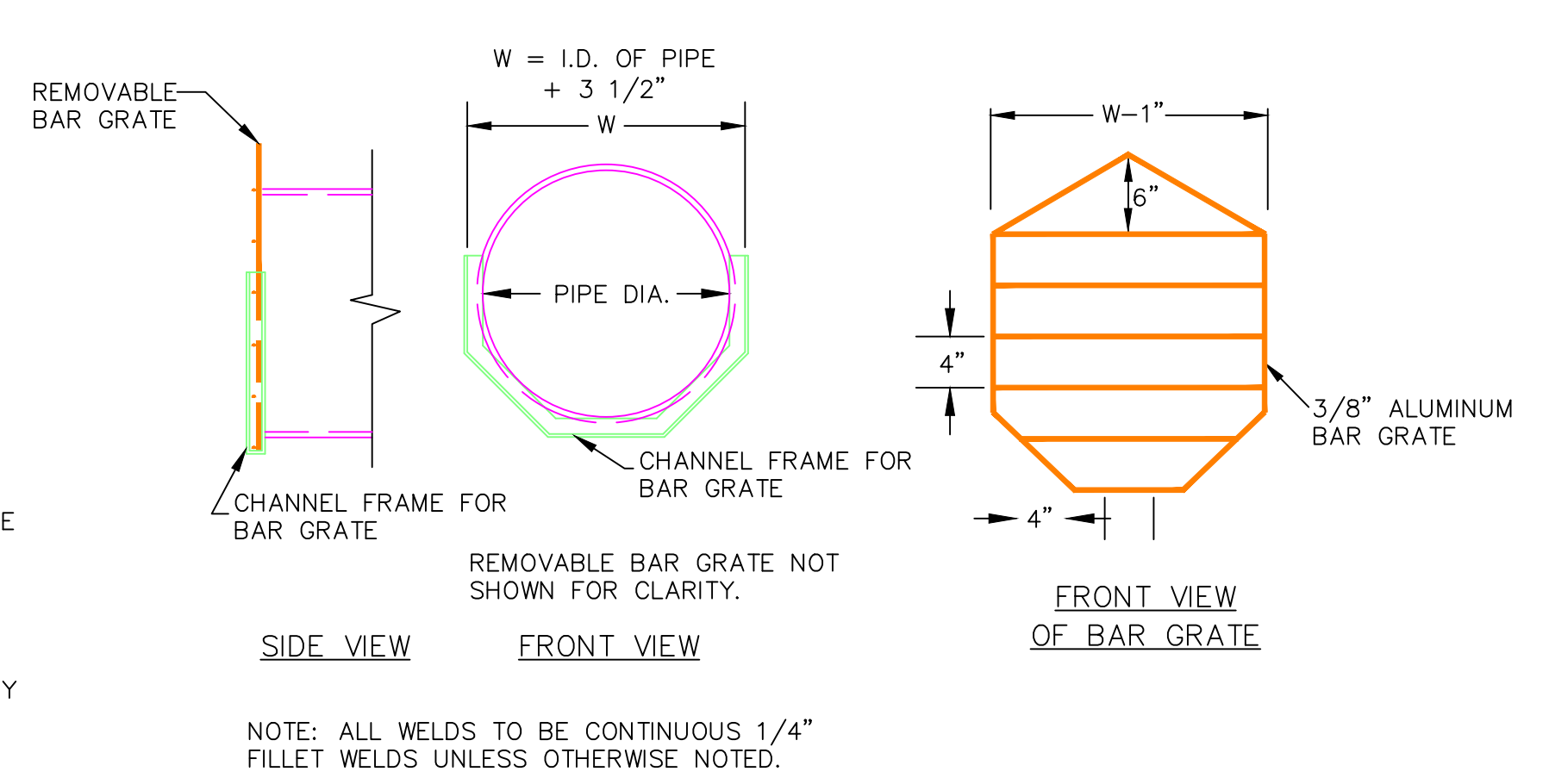
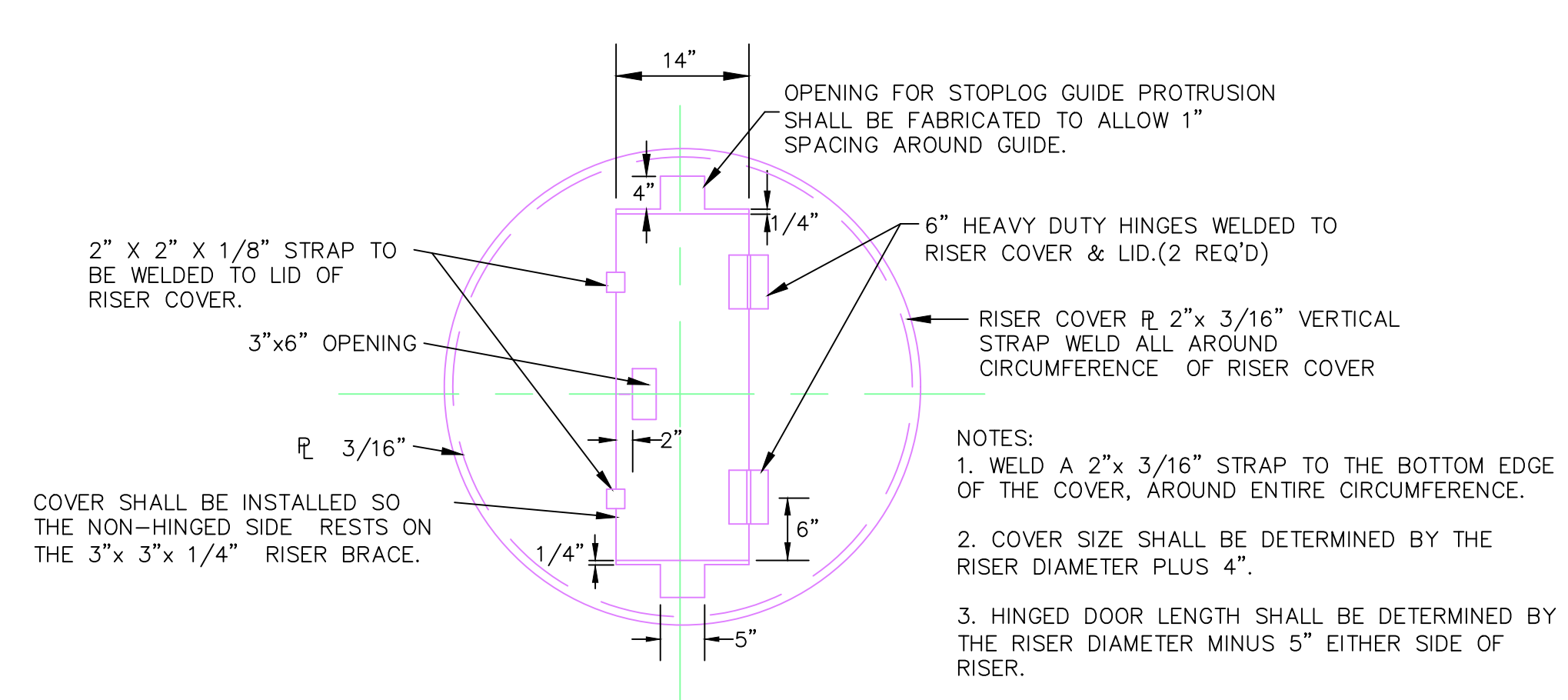
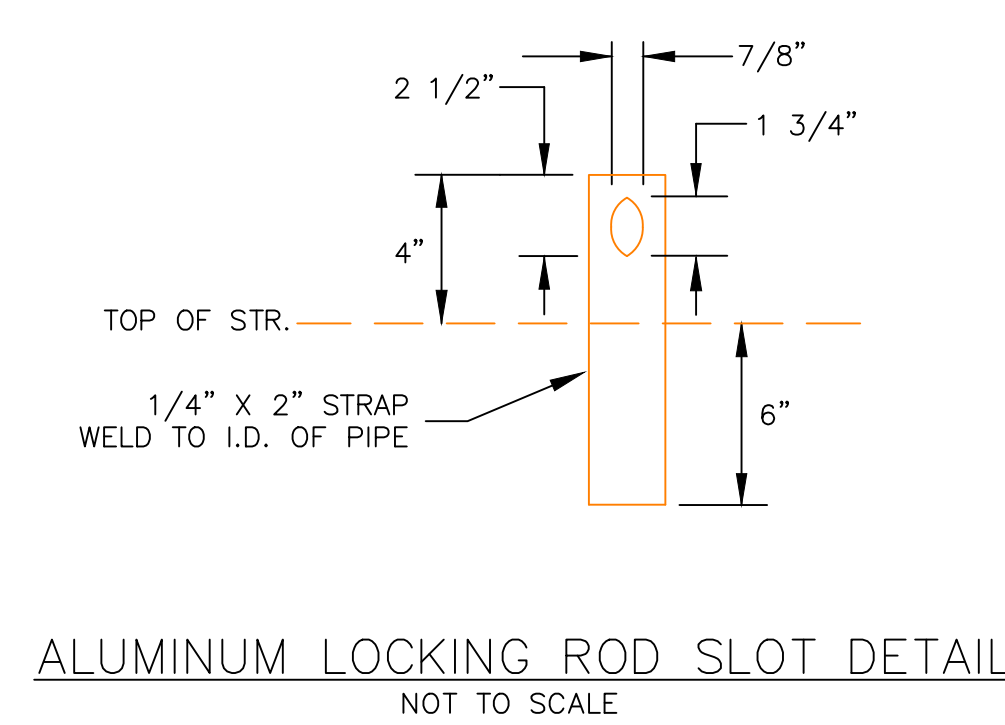
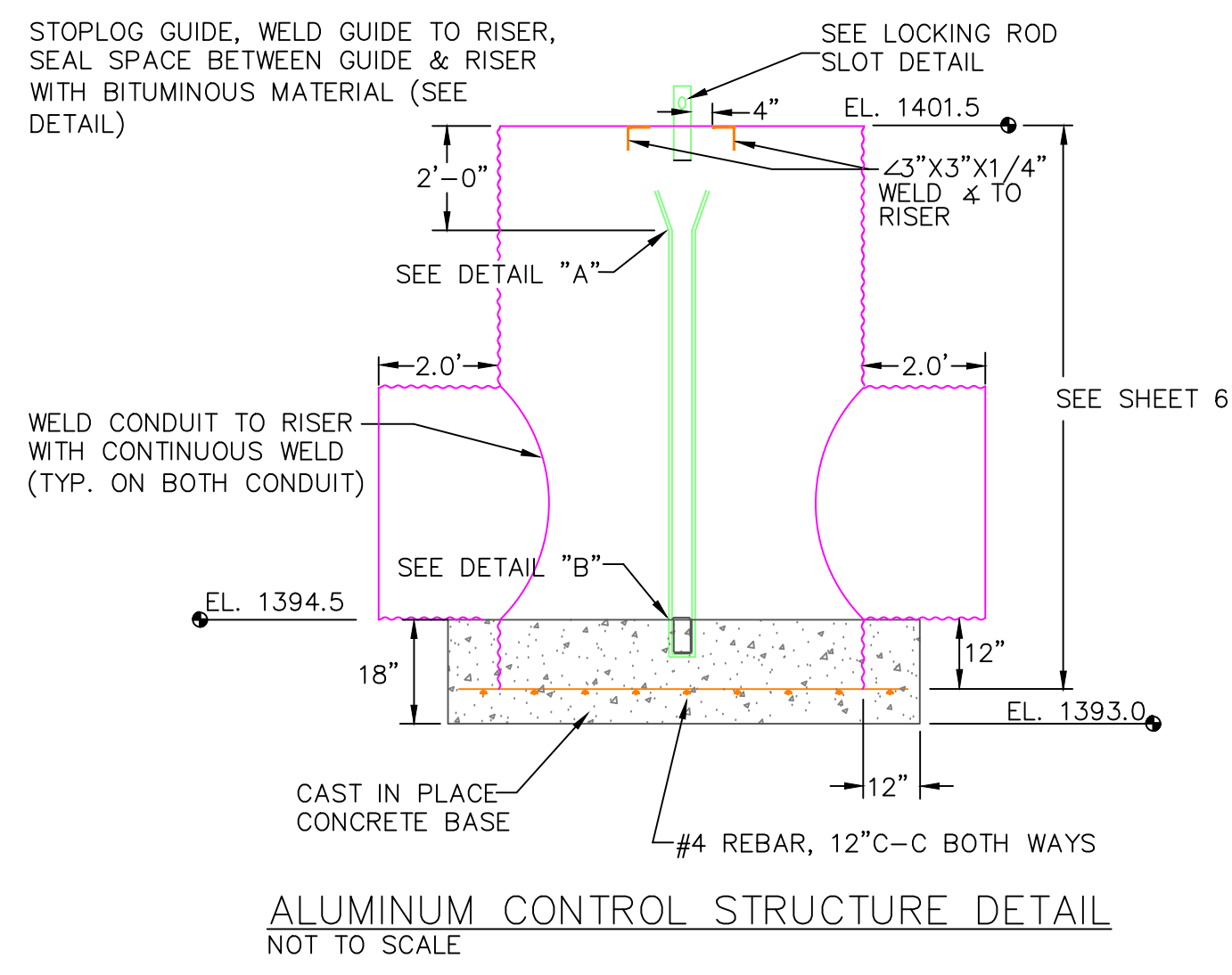
1. STRUCTURE, INLET AND OUTLET PIPE SHALL BE PLACED ON A LEVEL SURFACE OF COMPACTED SOIL
2. LEVEL STRUCTURE VERTICALLY PRIOR TO PLACING BACKFILL. BACKFILL AROUND STRUCTURE BY HAND IN 6" LIFTS. HAND TAMP ONLY.
3. COST OF STRUCTURE INSTALLATION AND CONCRETE BASE SHALL BE PAID AS BID ITEM "48" IN-LINE WATER CONTROL STRUCTURE (8' TALL)".
4. PROVIDE ALUMINUM BEAVER GUARDS, CULVERT ANCHORS, AND ANTI-SEEP COLLARS. THESE SHALL BE CONSIDERED INCIDENTAL TO "48" IN-LINE WATER CONTROL STRUCTURE (8' TALL)" BID ITEM.
5. ALUMINUM STOP LOGS SHALL BE WATERTIGHT AND PROVIDED BY SUPPLIER.
6. ALUMINUM WATER CONTROLS STRUCTURE WILL BE MANUFACTURED BY WISCONSIN FLOW GATE & CULVERT CO. (715)-325-3302 OR SEABREEZE CULVERT, INC. (409) 296-4098 OR APPROVED EQUIVALENT. DU ENGINEER WILL NEED TO APPROVED OTHER MANUFACTURER.
7. BENTONITE CLAY SHALL BE MIXED WITH BACKFILL MATERIAL AROUND WCS AND PIPE TO PROVIDE A WATER TIGHT SEAL. TEN - FIFTY POUND BAGS ARE REQUIRED. COST FOR BENTONITE CLAY AND INSTALLATION SHALL BE INCIDENTAL TO "48" IN-LINE WATER CONTROL STRUCTURE (8' TALL)".
8. PROVIDE AND SET ONE - 5 FOOT LONG STEEL FENCE T-POSTS TO SERVE AS MARKERS. DRIVE INTO GROUND TO TOP OF POST FLAT PLATE. COST FOR POSTS SHALL BE INCIDENTAL TO "48" IN-LINE WATER CONTROL STRUCTURE (8' TALL)".

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

PERMIT ISSUE



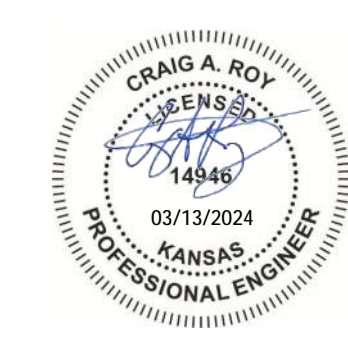
 GREAT PLAINS REGIONAL OFFICE	PROJECT NO. KS-18-104	DESIGNED BY: KPU
	JAMESTOWN WA-PUDDLER MARSH RESTORATION	DRAWN BY: KPU
WATER CONTROL STRUCTURE PLAN & PROFILE	SURVEYED BY: KPU	CHECKED BY: CAR
	DATE: 3/11/2024	APPROVED BY:
SHEET NO. 6 OF 11	CAR	



INLET & OUTLET RIPRAP TABLE				
PIPE SIZE (D) INCHES	APRON WIDTH NARROW SIDE (Wn) FEET	APRON WIDTH WIDE SIDE (Ww) FEET	APRON LENGTH (L) FEET	CUBIC YARDS
30	10.0	20.7	16.0	9.1
36	12.0	24.0	18.0	12.0

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

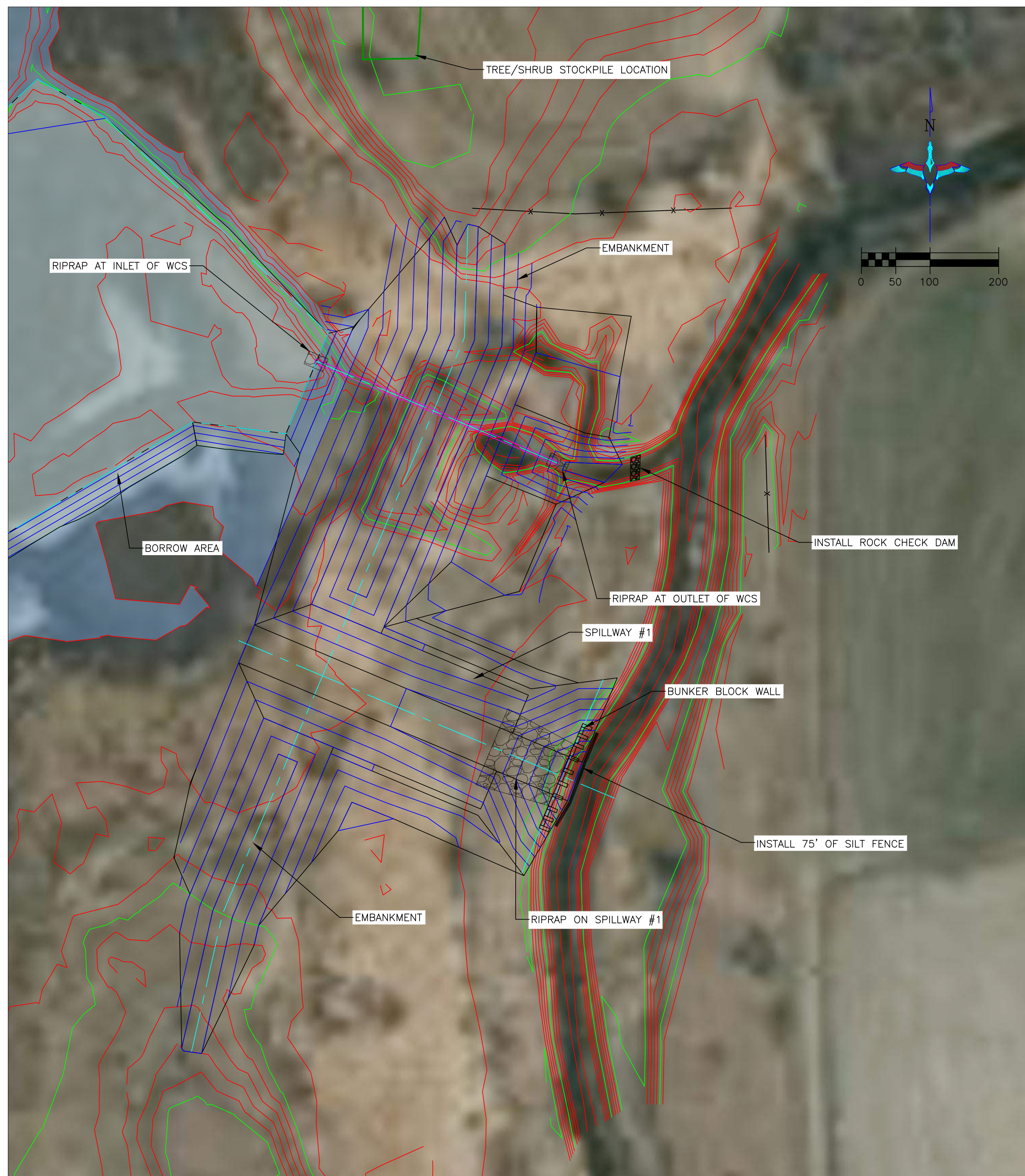
PERMIT ISSUE



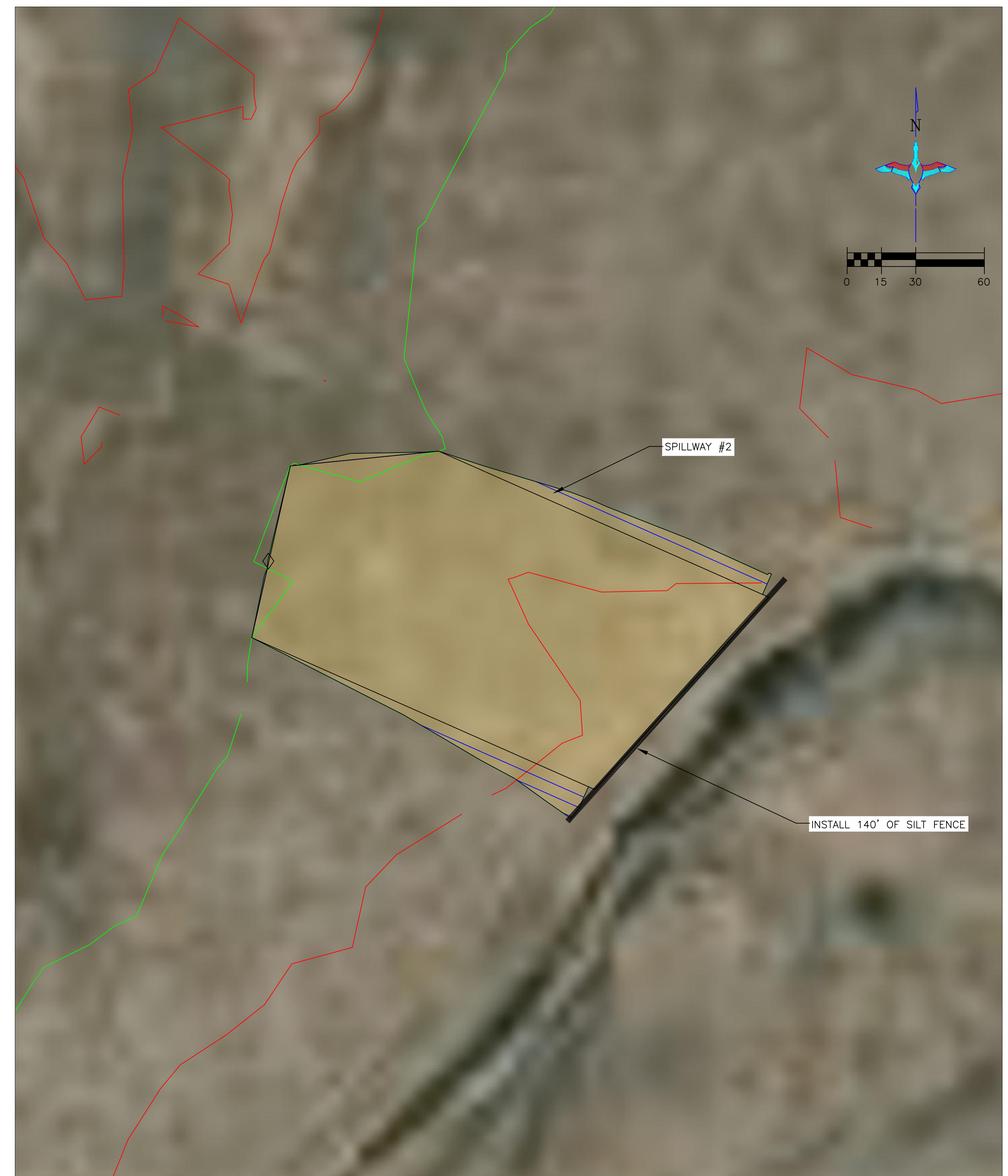
DUCKS UNLIMITED INC.
DESIGNED BY: KPU
DRAWN BY: KPU
SURVEYED BY: KPU
CHECKED BY: CAR

PROJECT NO. KS-18-104
JAMESTOWN WA-PUDDLER MARSH RESTORATION
WATER CONTROL STRUCTURE
DETAILS

DATE: 3/11/2024
SHEET NO. 7 OF 11
APPROVED BY: CAR



SWPPP #1 - PLAN VIEW
SCALE 1"=100'



SWPPP #2 - PLAN VIEW
SCALE 1"=30'

SEEDING AND MULCHING NOTE:

1. SEEDING AND MULCHING SHALL BE REQUIRED ON EMBANKMENT AND SPILLWAY. THIS WORK SHALL BE PROVIDED BY OTHERS.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN ADEQUATE SEED BED TO ALLOW SEEDING WITH STANDARD SEEDING EQUIPMENT. THIS WILL INCLUDE USE OF A HARROW OR OTHER MEANS IN ORDER TO LEAVE A SMOOTH, TRACK-FREE FINISH. BACK DRAGGING WITH A DOZER IS NOT AN ACCEPTABLE FINISH.
3. BEFORE LAST SPRING FROST OR APRIL 15TH (WHICHEVER IS EARLIER), AREA WILL BE SEEDED WITH A MIXTURE OF CUSTOM NATIVE GRASS MIX (SEE TABLE BELOW).
4. MULCHING SHALL REQUIRE ANCHORING OF SOME TYPE SUCH AS TACKING, MATTING, HAND PUNCHING, ROLLER PUNCHING, CRIMPER PUNCHING, OR HYDRO-SEEDING TO PREVENT BLOWING OR WASHING AWAY.
5. MULCHING APPLICATION RATE SHALL BE TWO TONS PER ACRE OR ONE 74 POUND BALE PER 800 SQUARE FEET.

Species	Variety	Lbs. PLS		Total		
		Acres	% of Lbs. / Acres			
GRASSES:						
Alkali Sacaton	N/A	0.3	20	0.06	3.0	0.2
Switchgrass	Blackwell	3.0	10	0.30	3.0	0.9
Switchgrass	Karlow	6.0	15	0.90	3.0	2.7
W. Wheatgrass	Barton	10.0	5	0.5	3.0	1.5
Tall Wheatgrass	Jose	12.0	15	1.8	3.0	5.4
Sideoats Grama	El Reno	6.0	5	0.30	3.0	0.9
Indiangrass	Cheyenne	6.0	5	0.30	3.0	0.9
Prairie Cordgrass	N/A	6.0	10	0.60	3.0	1.8
Intermediate Wheatgrass	N/A	5.0	15	0.75	3.0	2.3
						14.3

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

PERMIT ISSUE



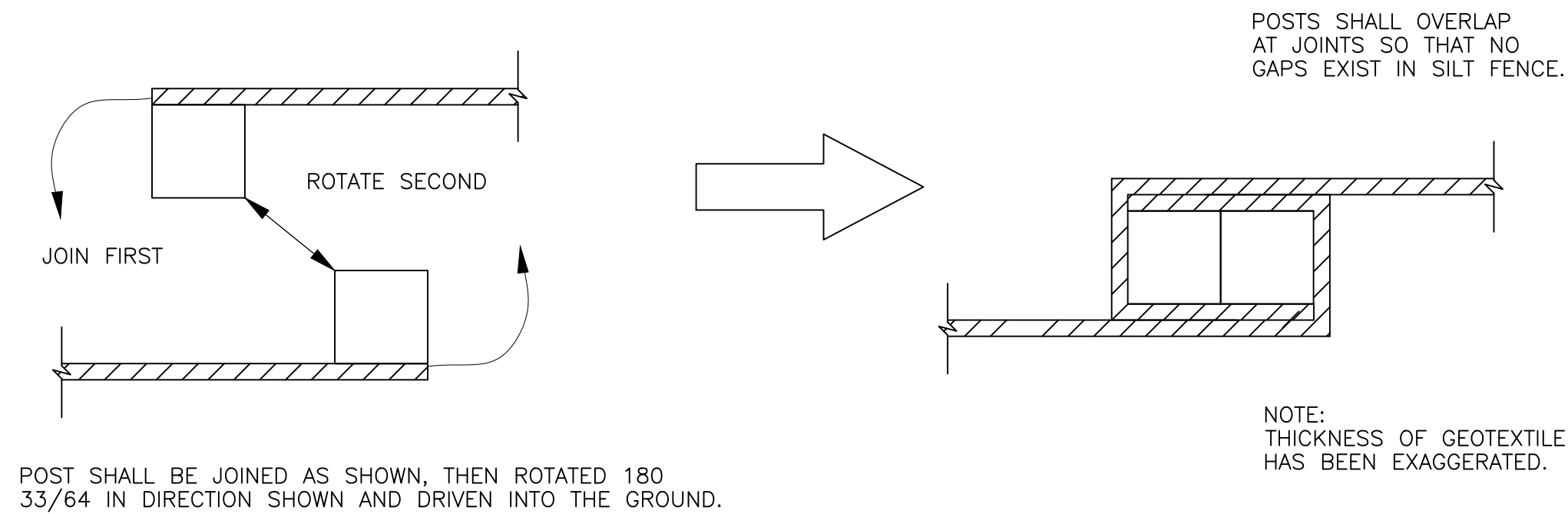
PROJECT NO. KS-18-104
JAMESTOWN WA-PUDDLER MARSH RESTORATION
SWPPP
DESIGNED BY: KPU
DRAWN BY: KPU
SURVEYED BY: KPU
CHECKED BY: CAR

DATE: 3/11/2024

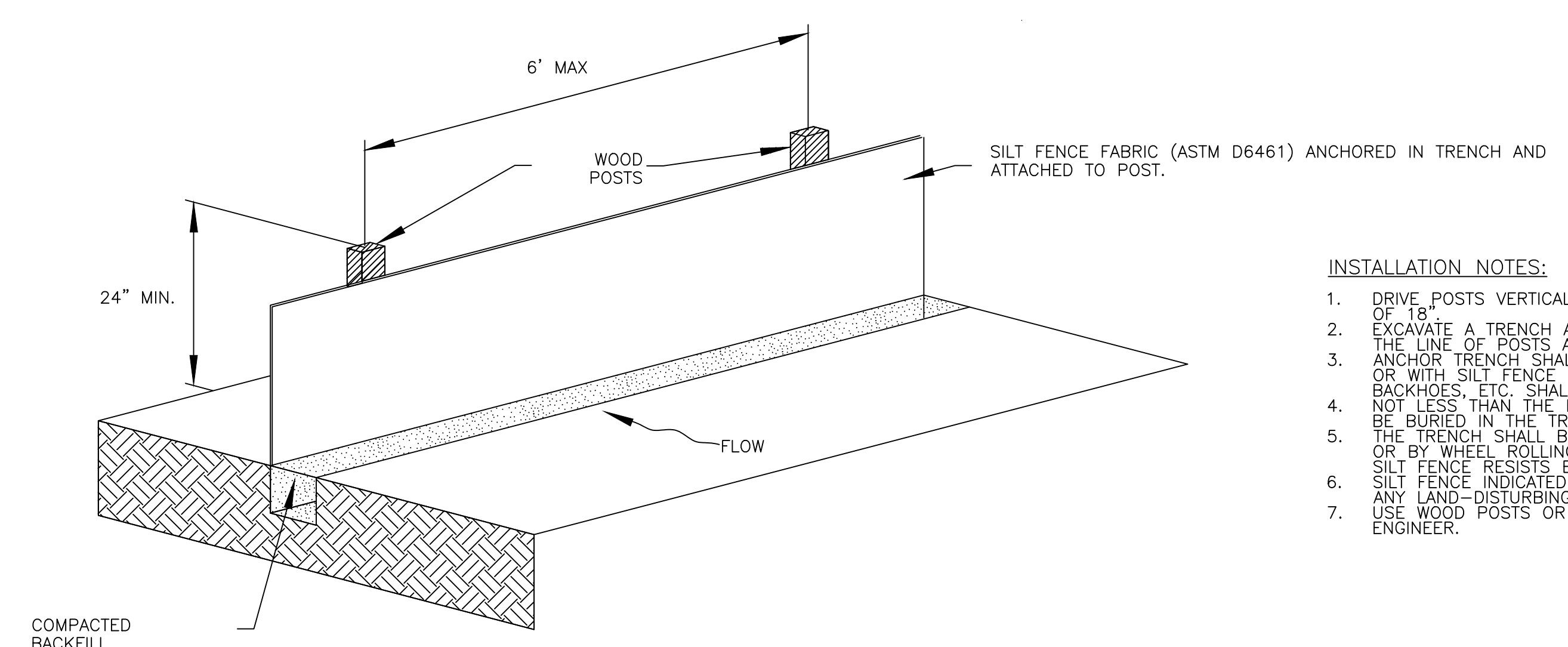
SHEET NO. 8 OF 11

APPROVED BY: CAR

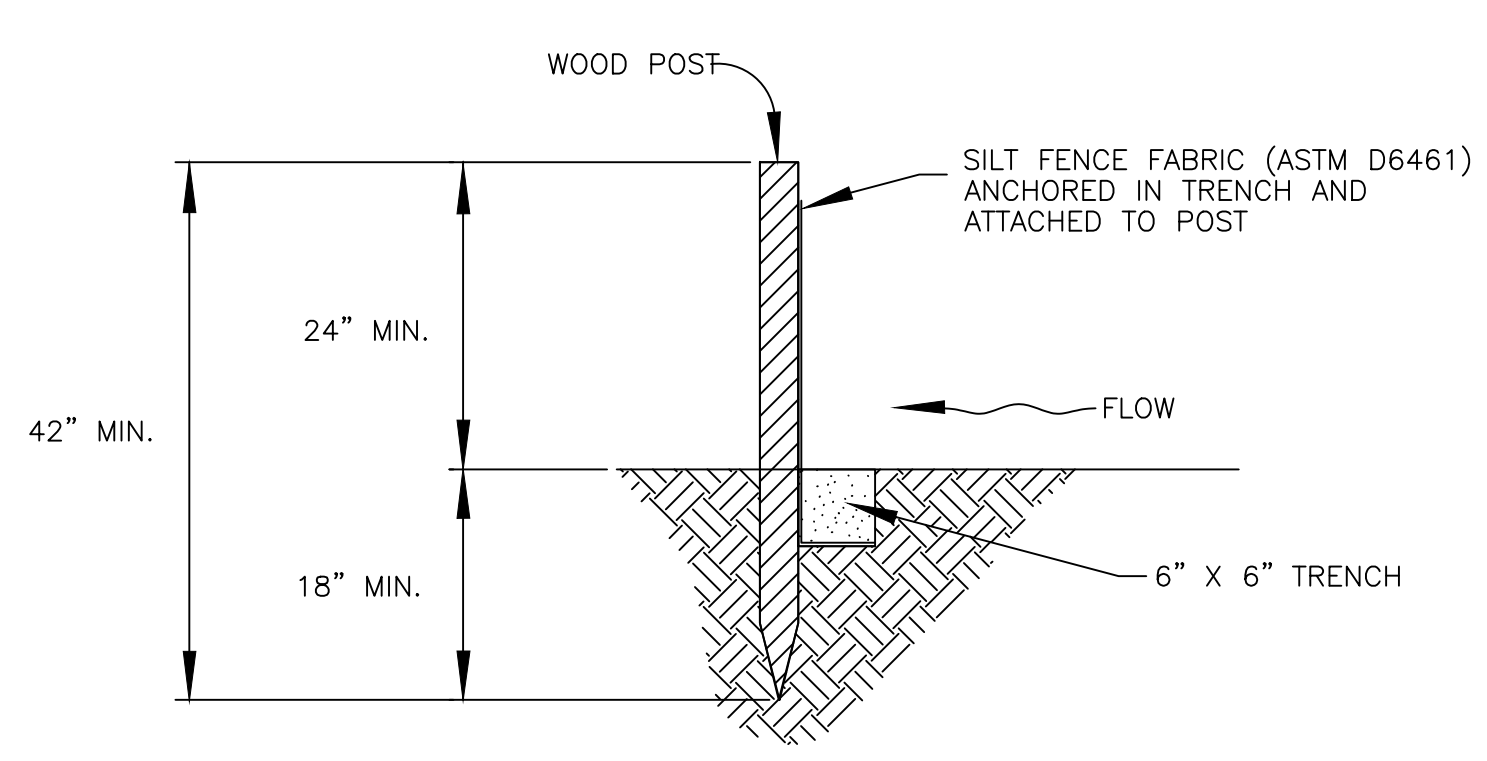
APPROVED BY:



SILT FENCE JOINTS

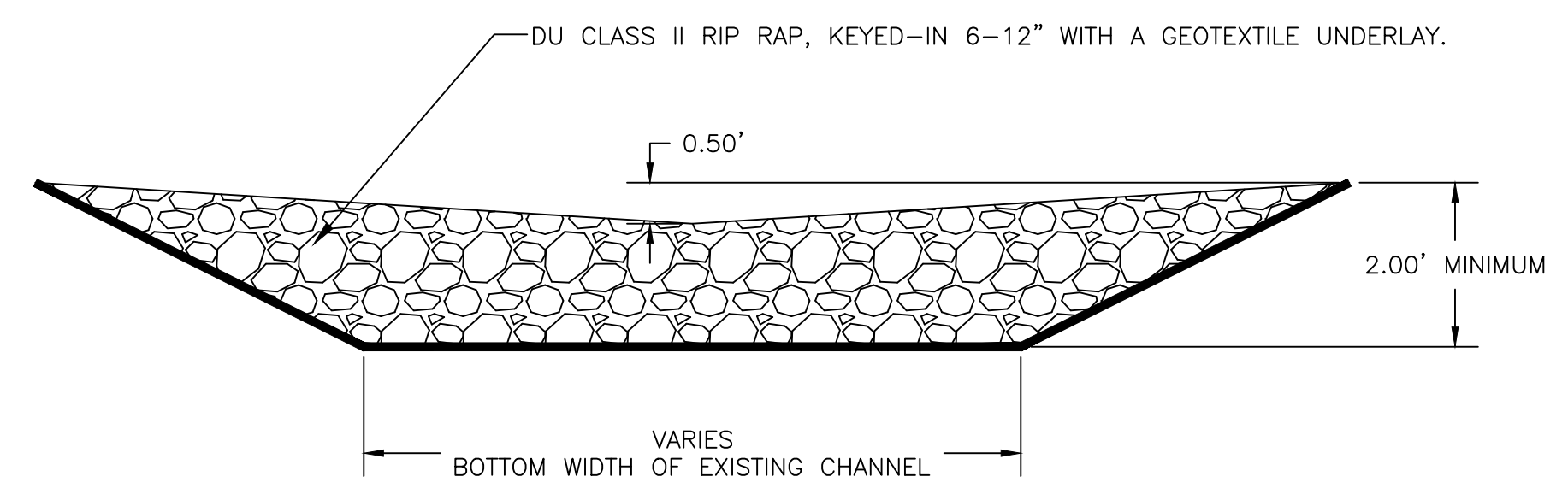


- INSTALLATION NOTES:**
1. DRIVE POSTS VERTICALLY INTO THE GROUND TO A MINIMUM DEPTH OF 18"
 2. EXCAVATE A TRENCH APPROXIMATELY 6" WIDE AND 6" DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
 3. ANCHOR TRENCH SHALL BE EXCAVATED BY HAND, WITH TRENCHER, OR WITH SILT FENCE INSTALLATION MACHINE. NO ROADGRADERS, BACKHOES, ETC. SHALL BE USED.
 4. NOT LESS THAN THE BOTTOM 1/3 OF THE SILT FENCE FABRIC SHALL BE BURIED IN THE TRENCH.
 5. THE TRENCH SHALL BE COMPACTED BY HAND, WITH "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT THE SILT FENCE RESISTS BEING PULLED OUT EQUAL.
 6. SILT FENCE INDICATED IN THE PLANS SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.
 7. USE WOOD POSTS OR OTHER MATERIAL AS ACCEPTED BY THE DU ENGINEER.

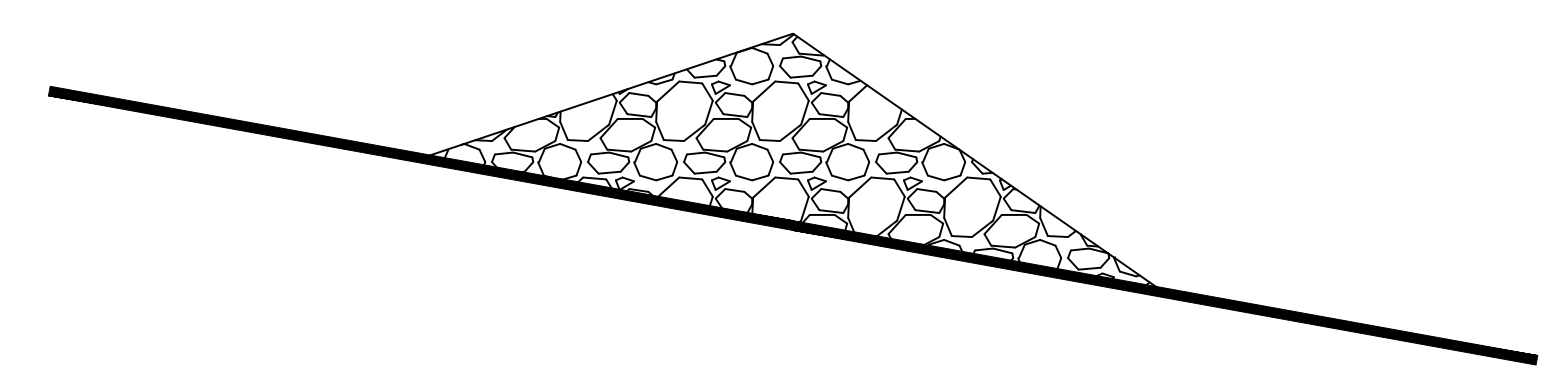


- MAINTENANCE NOTES:**
1. THE CONTRACTOR SHALL INSPECT SILT FENCE EVERY TWO WEEKS AND AFTER SIGNIFICANT STORM EVENTS AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
 2. SEDIMENT ACCUMULATED UPSTREAM OF SILT FENCE SHALL BE REMOVED WHEN THE UPSTREAM SEDIMENT REACHES A DEPTH OF 6"
 3. SILT FENCE SHALL BE REMOVED WHEN THE UPSTREAM DISTURBED AREA IS STABILIZED. IF ANY DISTURBED AREA EXISTS AFTER REMOVAL, IT SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED.

SILT FENCE DETAIL
N.T.S.



ROCK CHECK DAM — TYPICAL SECTION
NOT TO SCALE



ROCK CHECK DAM — PROFILE
NOT TO SCALE

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THIS MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.

PERMIT ISSUE



<p>DUCKS UNLIMITED INC. GREAT PLAINS REGIONAL OFFICE</p>	PROJECT NO. KS-18-104	DESIGNED BY: KPU
	JAMESTOWN WA-PUDDLER MARSH RESTORATION	DRAWN BY: KPU
	SWPPP DETAILS	SURVEYED BY: KPU
DATE: 3/11/2024	SHEET NO. 9 OF 11	CHECKED BY: CAR
	APPROVED BY: CAR	APPROVED BY:

STORM WATER POLLUTION PREVENTION PLAN

The Kansas General Permit Authorization to Discharge Stormwater Associated with Construction Activity shall apply for this project.

ABBREVIATIONS

KDHE: Kansas Department of Health and Environment
KDEM: Kansas Division of Emergency Management
USFWS: United States Fish and Wildlife Service

NARRATIVE

Project Limits: See Sheets 2-7 of this plan for the project limits and details. These sheets cover embankment and spillway construction, installation of bunker block wall, and a water control structure and associated piping.

SITE DESCRIPTION

Project Description: The purpose of the project is to restore a shallow water impoundment, armor the primary spillway with rip rap and a bunker block wall, relocate the second spillway, and the installation of a new water control structure with its associated piping.

Site Map(s): See map on cover sheet of plans.

Major Soil Disturbing Activities (check all that apply):

- Clearing & Grubbing
- Grading & Shaping
- Cutting & Filling
- Other (describe):

Total Project Area: 9.0 Acres
Total Area to Be Disturbed: 4.9 Acres
Existing Impervious Area: 0.0 Acres
Proposed Impervious Area: 0.0 Acres

Name of Receiving Water Body/Bodies: WEST MARSH CREEK

Discharges to Special Or Impaired Waters: The project does not discharge to a special or impaired water.

Discharges to Calcareous Fen: The project does not have a discharge to a Calcareous fen.

Endangered or Threatened Species: The project area has not been identified for endangered or threatened species.

Historic Places or Archeological Sites: Historical places or archeological sites have been addressed by the USFWS.

Quantities Tabulation for All BMPs: See estimated quantities and construction notes in plans.

ORDER OF CONSTRUCTION ACTIVITIES

(Stabilization measures shall be completed as soon as possible, but in no case later than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.)

- Install erosion and sediment control measures.
- Proceed with site grading and construction activities.
- Stabilize areas disturbed by construction activities with temporary erosion and sediment control measures.
- Complete final grading.
- Complete permanent erosion and sediment control measures.

LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN

See the SWPPP details and notes on plan sheets 8, 9 and 10.

EROSION AND SEDIMENT CONTROLS

(Check all that apply)

Stabilization Practices (See Erosion and Sediment Control Details in Plan Sheets)

- Temporary or Permanent Seeding
- Sod Placement
- Planting
- Mulching (Straw or Cellulose Fiber)
- Erosion Control Blankets or Mats
- Vegetation Buffer Strips
- Roughened Surface (e.g. tracking)
- Gabions-Gabion Mattress
- Other: Riprap, Geoweb

Structural Temporary Erosion and Sediment Controls

- Silt Fence
- Temporary Berm
- Temporary Slope Drain
- Straw Wattles or Rolls
- Diversion Channels/Swales
- Channel Liners (TRM)
- Stone Rip Rap Sheet
- Rock Check Dams
- Sediment Traps/Basins
- Inlet Protection
- Outlet Protection
- Surface Inlet Protection
- Curb Inlet Protection
- Stabilized Construction Entrances
- Other

Wetland Avoidance:

Will construction and/or erosion and sediment controls impinge on regulated wetlands? Yes No
If yes, the project and erosion and sediment control impacts have been included in the total project wetland impacts and have been included in the 404 permit process with the USACE.

Storm Water Management: Storm water management will be handled by temporary controls outlined in "EROSION AND SEDIMENT CONTROLS" above, and any permanent controls needed to meet permanent storm water management needs in the post construction period.

Pollution Prevention Management Measures:

- Solid Wastes
Collected sediment, asphalt, and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris and other wastes must be disposed of properly and must comply with the KDHE disposal requirements.
- Hazardous Materials
Oil, gasoline, paint and any hazardous substances must be properly stored, including secondary containment, to prevent spills, leaks or other discharge. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal of hazardous waste must be in compliance with KDHE regulations.
- Vehicle Washing
External washing of trucks and other construction vehicles must be limited to a defined area of the site. Runoff must be contained and waste properly disposed of. No engine degreasing is allowed on site.
- Concrete Washout Onsite
All liquid and solid wastes generated by concrete washout operation must be contained in a leak-proof containment facility or impermeable liner. A compacted clay liner that does not allow washout liquids to enter ground water is considered an impermeable liner. The liquid and solid wastes must not contact the ground, and there must not be runoff from the concrete washout operation or areas. Liquid and solid wastes must be disposed of properly and in compliance with KDHE regulations. A sign must be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.

MAINTENANCE AND INSPECTION

Maintenance and Inspection Practices

- Inspections will be conducted at least one time per week and after a storm event of 0.50 inches or greater.
- All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report or as soon as field conditions allow access.
- Inspections of areas that are temporarily stabilized due to ice, frozen soil conditions, or consistent snow cover are to be performed at the same frequency as during normal conditions; however, such areas are exempt from performing observations of disturbed soils, sediment and erosion BMPs, drainage areas, and locations where stormwater can flow from the construction site.
- Disturbed project areas that are temporarily stabilized due to ice, frozen soil conditions or consistent snow cover extending across 70 percent or more of the area shall be noted on the inspection report. The thawing of these areas shall be noted during the first subsequent inspection when iced, frozen or snow covered conditions are not longer present.
- Where parts of the construction site have undergone final stabilization, but work remains on other parts of the site, inspections of the stabilized areas may be reduced to once per month.
- Silt fence will be inspected for depth of sediment and for tears in order to ensure the fabric is securely anchored. Sediment buildup will be removed from the silt fence when it reaches 1/2 of the height of the silt fence. All silt fences must be repaired, replaced, or supplemented when they become nonfunctional or the sediment reaches 1/2 of the height of the fence.
- Sediment basins and traps will be checked. Sediment will be removed and cleaned when the capacity of the sediment basin reaches 20 percent or more. The basin will be maintained until less than 10 acres of area needing final stabilization within the drainage basin remains.
- Check dams will be inspected for stability. Sediment will be removed when the depth reaches 1/2 the height of the dam.
- All seeded areas will be checked for bare spots, washouts, and vigorous growth free of significant weed infestations.
- Surface waters, including drainage ditches and conveyance systems, must be inspected for evidence of sediment being deposited by erosion.
- Construction site vehicle entrance and exit locations will be designated prior to mobilizing equipment. If a designated entrance and exit locating cannot be determined, the use of a wheel washing facility will be utilized. If applicable, wash waters will be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge. Off-site track out shall be cleaned up at the end of each work day. If contaminated soils are encountered, a wheel washing station with tanks for holding of the fresh water will be utilized.
- Disturbed areas will be checked for stabilization. Stabilization measures shall be initiated as soon as construction activity in that portion of the site has temporarily or permanently ceased.
- The normal wetted perimeter of any temporary or permanent drainage ditch or swale that drains water from any portion of the construction site, or diverts water around the site, must be stabilized within 200 lined feet from the property edge, or from the point of discharge into any surface water. Stabilization of the last 200 lined feet must be completed within 24 hours after connection to a surface water.
- Stabilization of the remaining portions of any temporary or permanent ditches or swales must be completed within 14 days after connecting to a surface water and construction in that portion of the ditch has temporarily or permanently ceased.
- Temporary or permanent ditches or swales that are being used as a sediment containment system (with properly designed rock ditch checks, bio rolls, silt dikes, etc.) do not need to be stabilized. These areas must be stabilized within 24 hours after no longer being used as a sediment containment system.
- Pipe outlets must be provided with temporary or permanent energy dissipation within 24 hours after connection to a surface water.

- Discharge procedures for water control and dewatering operations will be inspected. If the water cannot be discharged to a sedimentation basin prior to entering the surface water, it must be treated with the appropriate BMPs, such that the discharge does not adversely affect the receiving water or downstream landowners.
- Inspection and maintenance reports will be completed for each site inspection, this form will also be used to document changes to the SWPPP. The report shall include the date and amount of precipitation or snowmelt events that cause surface erosion. A copy of the completed inspection form will be filed with the SWPPP documents.
- The Contractor's site superintendent is responsible for inspection. Maintenance and repair activities are the responsibility of the Contractor.
- In areas of concentrated flows such as channelized drainage, the use of velocity dissipation devices (e.g. check dams, riprap and wattles), installation of channel liners (e.g. riprap, geotextiles, and erosion control blankets) will be utilized.

SITE PROTECTION

- Fertilizer application and riparian areas: Fertilizer application for temporary erosion control on the construction site shall be done in a manner that does not allow it to leave the treated area.
- Erosion and sediment control: Maintain practices to minimize or avoid soil loss and sedimentation.
- Solid Waste: All waste materials by the construction project shall be disposed of in accordance with the provisions of the Kansas solid waste management statutes and regulations (K.S.A. 65-3401 and K.A.R. 28-29-1 et. seq.) or applicable local rules. Good housekeeping including personal refuse such as food containers, snacks, etc. shall also be addressed.
- Construction shall be done in a manner that avoids downstream bank instability.
- Floating Debris: The applicant shall take appropriate measures to capture any floating debris released to surface waters as a result of this project.
- Fuels, Chemicals and Maintenance Areas: All fuels and chemicals necessary to complete the project shall be stored in such a manner that accidental spillage is minimized or can be temporarily contained before reaching the water body. Equipment maintenance areas shall also be located in this manner.
- Spills: The Kansas Department of Health and Environment (KDHE) and the Kansas Division of Emergency Management (KDEM) are two of several state agencies that address spills. Should a spill of fuel or discharge of pollutants occur the local emergency staff should be contacted first by dialing 911. The Kansas Department of Health and Environment shall then be notified immediately: (785) 291-3333-Option 2. (24 hours a day.) These incidences should also be reported to the National Spill Response Center at 1-800-424-8802. A Spill Prevention and Response Plan should be prepared.

CONSTRUCTION CHANGES

The SWPP plan shall be modified or amended as appropriate during the term of the construction activity until the site is stabilized. The contractor is responsible for the installation, operation, and maintenance of erosion controls and shall keep a current copy of the SWPP plan on the project site.

Modifications to the SWPP plan shall be made to better control the site erosion and sediment discharges based on field conditions or site phasing that was not considered during SWPP plan development. The permittee shall indicate the changes on the erosion and sediment control plan sheets, maintain a log showing dates of all SWP2 plan modifications, and the name and title of the person authorizing the modifications. Changes to the SWP2 plan that are not an amendment (See Section 7.3.2 of the Kansas Department of Health and Environment-Kansas Pollution Control) are considered modifications and do not need to be submitted to KDHE. Modification of site erosion and sediment controls based on field conditions or site phasing do not require preparation or approval by a professional however, modifications that involve the relocation or reconfiguration of any sedimentation basin or corresponding outlet structure required under Section 7.2.7 of the Kansas Department of Health and Environment-Kansas Pollution Control shall be prepared under the supervision of a licensed or certified professional.

PROJECT CONTACTS

The Contractor is responsible for implementation of the SWP2 plan and installation, inspection and maintenance of the erosion prevention and sediment control BMP's before and during construction.

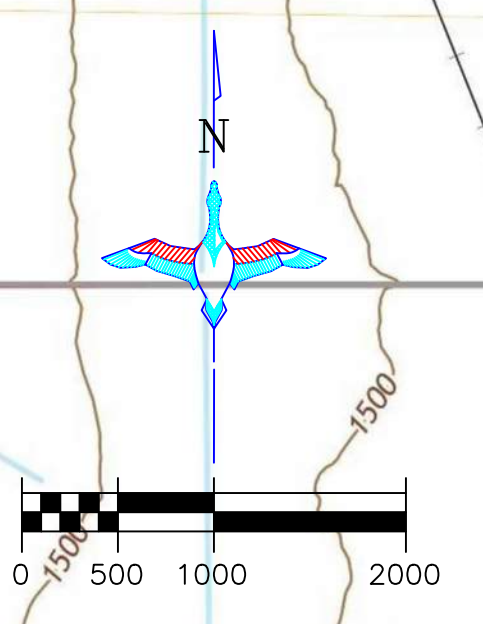
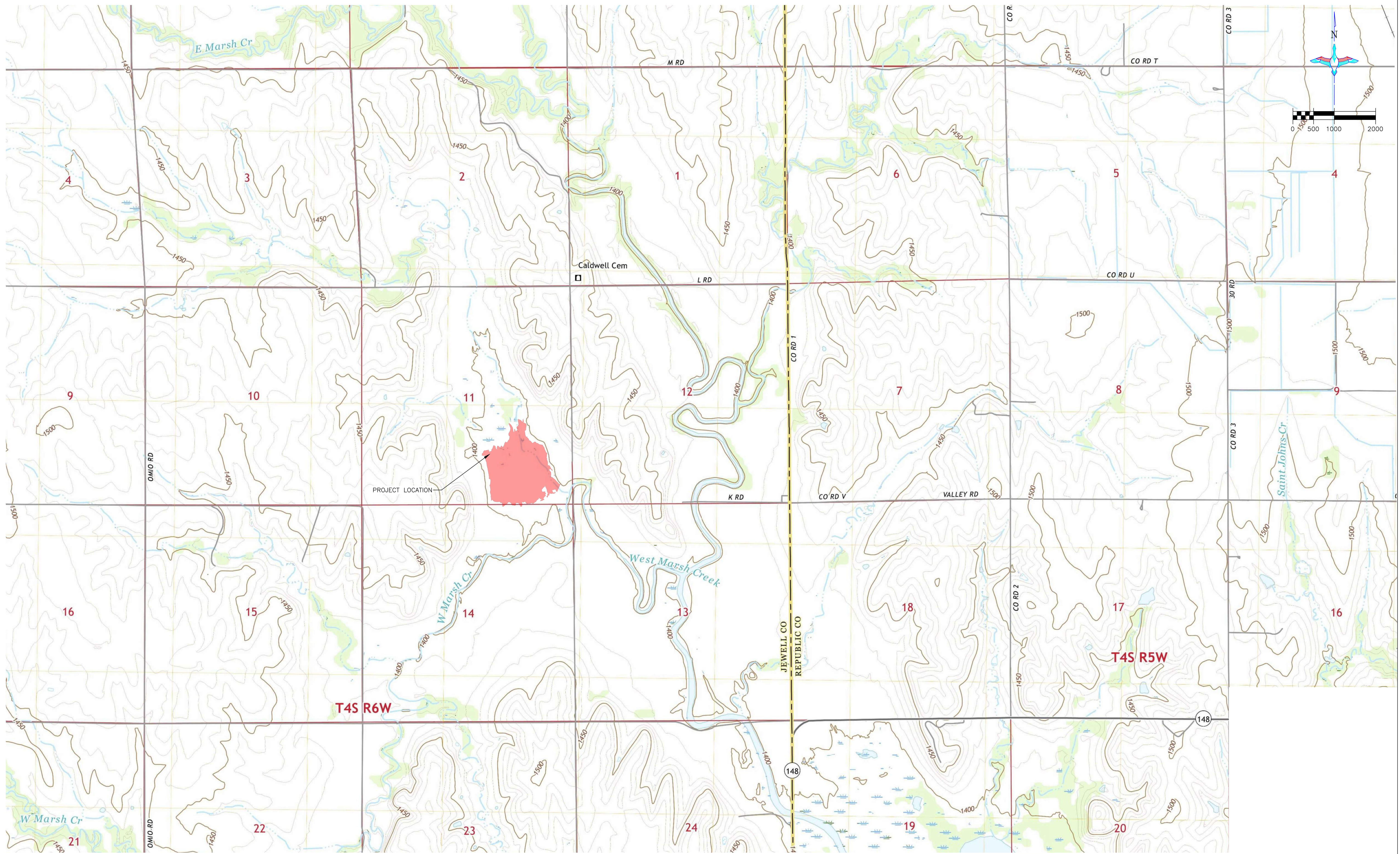
Contractor and KDHE contact information is provided in the contract documents and project plans.

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USERS SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.



PERMIT ISSUE

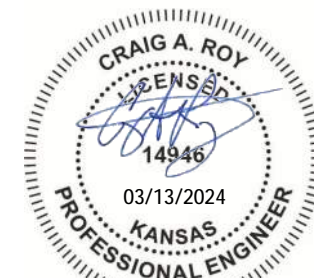
	PROJECT NO.	KS-18-104	DESIGNED BY:	KPU	
	JAMESTOWN WA-PUDDLER MARSH RESTORATION		DRAWN BY:	KPU	
GREAT PLAINS REGIONAL OFFICE		SWPPP NOTES		CHECKED BY:	CAR
DATE:	SHEET NO.	APPROVED BY:	APPROVED BY:		
3/11/2024	10 OF 11	CAR			



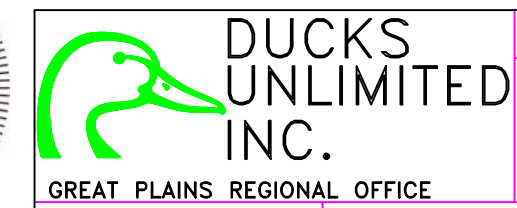
PROJECT LOCATION

OVERALL PLAN VIEW
SCALE 1"=1000'

THIS MATERIAL, DATA AND INFORMATION IS THE PROPERTY OF DUCKS UNLIMITED, INC. IT MAY NOT BE USED OR REPRODUCED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF AN AUTHORIZED AGENT OF DUCKS UNLIMITED, INC. DUCKS UNLIMITED, INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING THIS MATERIAL, DATA AND INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE ACCURACY OF THE MATERIAL, DATA AND INFORMATION OR ITS SUITABILITY FOR ANY PURPOSE. ALL USE OF THE MATERIAL, DATA AND INFORMATION IS AT THE USER'S SOLE RISK. BY USING ANY OF THIS MATERIAL, DATA AND INFORMATION, USER AGREES THAT DUCKS UNLIMITED, INC. IS NOT RESPONSIBLE FOR THEIR USE OF THE MATERIAL, DATA AND INFORMATION OR THE RESULTS THEREOF.



PERMIT ISSUE



PROJECT NO. KS-18-104
JAMESTOWN WA-PUDDLER MARSH RESTORATION
USGS TOPOGRAPHIC MAP

DESIGNED BY: KPU
DRAWN BY: KPU
SURVEYED BY: KPU
CHECKED BY: CAR

GREAT PLAINS REGIONAL OFFICE
DATE: 3/11/2024
SHEET NO. 11 OF 11

APPROVED BY: CAR