

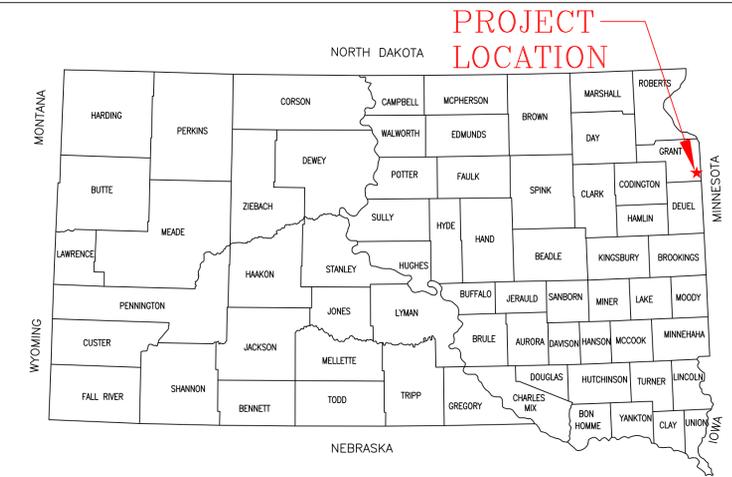
DUCKS UNLIMITED

DUCKS UNLIMITED

PROJECT

GRANT COUNTY MITIGATION

LOCATED IN THE SW¼ OF SECTION 28
TOWNSHIP 118N, RANGE 47W, 5TH P.M.
GRANT COUNTY, SOUTH DAKOTA



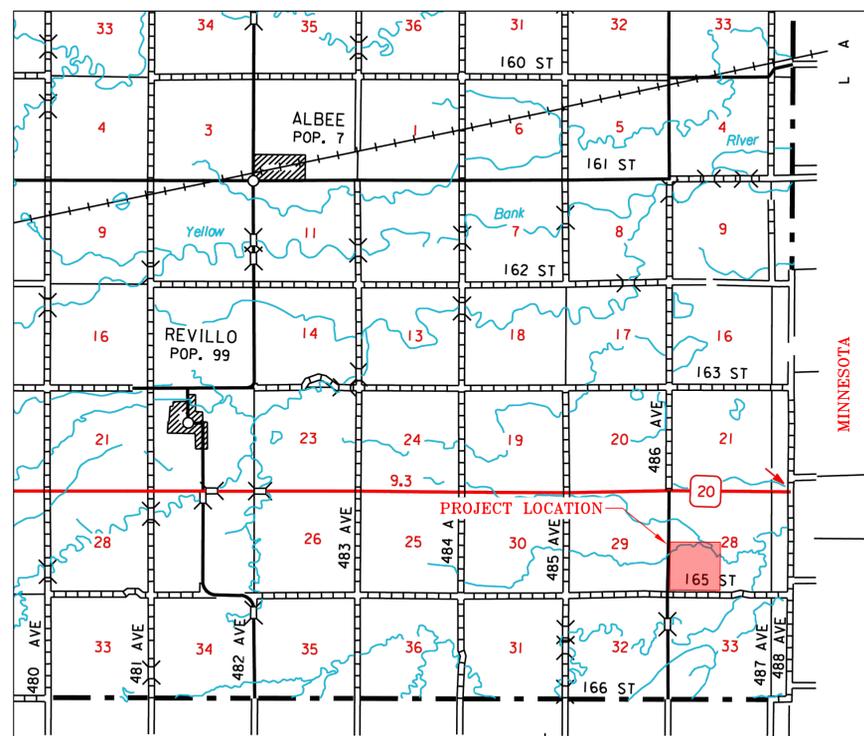
SPECIFICATIONS

- 101 GENERAL CONDITIONS
- 102 SUPPLEMENTAL CONDITIONS
- 201 MOBILIZATION
- 202 SITE PREPARATION
- 203 EXCAVATION
- 204 EMBANKMENT CONSTRUCTION
- 205 WATER
- 305 RIPRAP, REVETMENT & AGGREGATE PLACEMENT
- 401 SOIL EROSION AND POLLUTION CONTROL
- 402 SEEDING AND MULCHING
- 405SP UNCOMPACTED FILL

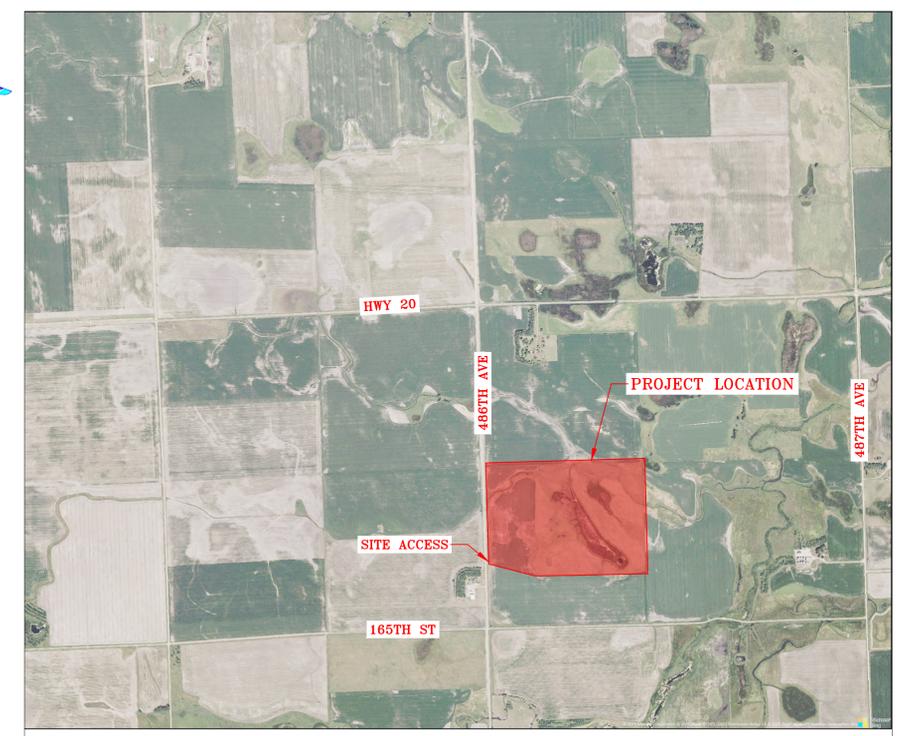
ESTIMATED QUANTITIES

MOBILIZATION	1 L.S.
SITE PREPARATION:	
TOPSOIL STRIPPING - EMB 1	400 C.Y.-P*
TOPSOIL STRIPPING - EMB 2	40 C.Y.-P*
TOPSOIL STRIPPING - EMB 3	270 C.Y.-P*
TOPSOIL STRIPPING - EMB 4	200 C.Y.-P*
TOPSOIL STRIPPING - EMB 5	1,370 C.Y.-P*
TOPSOIL STRIPPING - EMB 6	540 C.Y.-P*
EXCAVATION:	
WETLAND 1 EXCAVATION	900 C.Y.-P*
WETLAND 2 EXCAVATION	500 C.Y.-P*
EMBANKMENT CONSTRUCTION:	
EMBANKMENT 1	900 C.Y.-P*
EMBANKMENT 2	80 C.Y.-P*
EMBANKMENT 3	1,230 C.Y.-P*
EMBANKMENT 4	840 C.Y.-P*
EMBANKMENT 5	4,685 C.Y.-P*
EMBANKMENT 6	3,565 C.Y.-P*
DUGOUT FILL	1 EACH
DITCH FILL	2,360 L.F.
FLEX-A-MAT	3,204 S.F.-P*
EROSION CONTROL BLANKET (STRAW)	22,160 S.F.-A**
SILT FENCE	860 L.F.-A**
8"Ø STRAW WATTLE	400 L.F.-A**
SEEDING AND MULCH	8.5 ACRES

**PAYMENT WILL BE BASED ON ACTUAL QUANTITY USED OR INSTALLED.
*THE UNIT (CY-P) CUBIC YARDS-PLAN MEANS PAYMENT WILL BE BASED ON THE PLAN QUANTITY LISTED ABOVE. A SHRINKAGE FACTOR OF 20% IS INCLUDED TO ALL EMBANKMENT VOLUMES.



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

ALL WRITTEN SCALES ARE ACCURATE ON 24x36 INCH SHEETS

PLAN INDEX

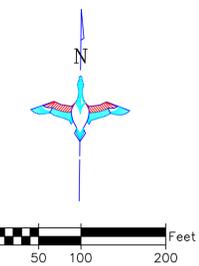
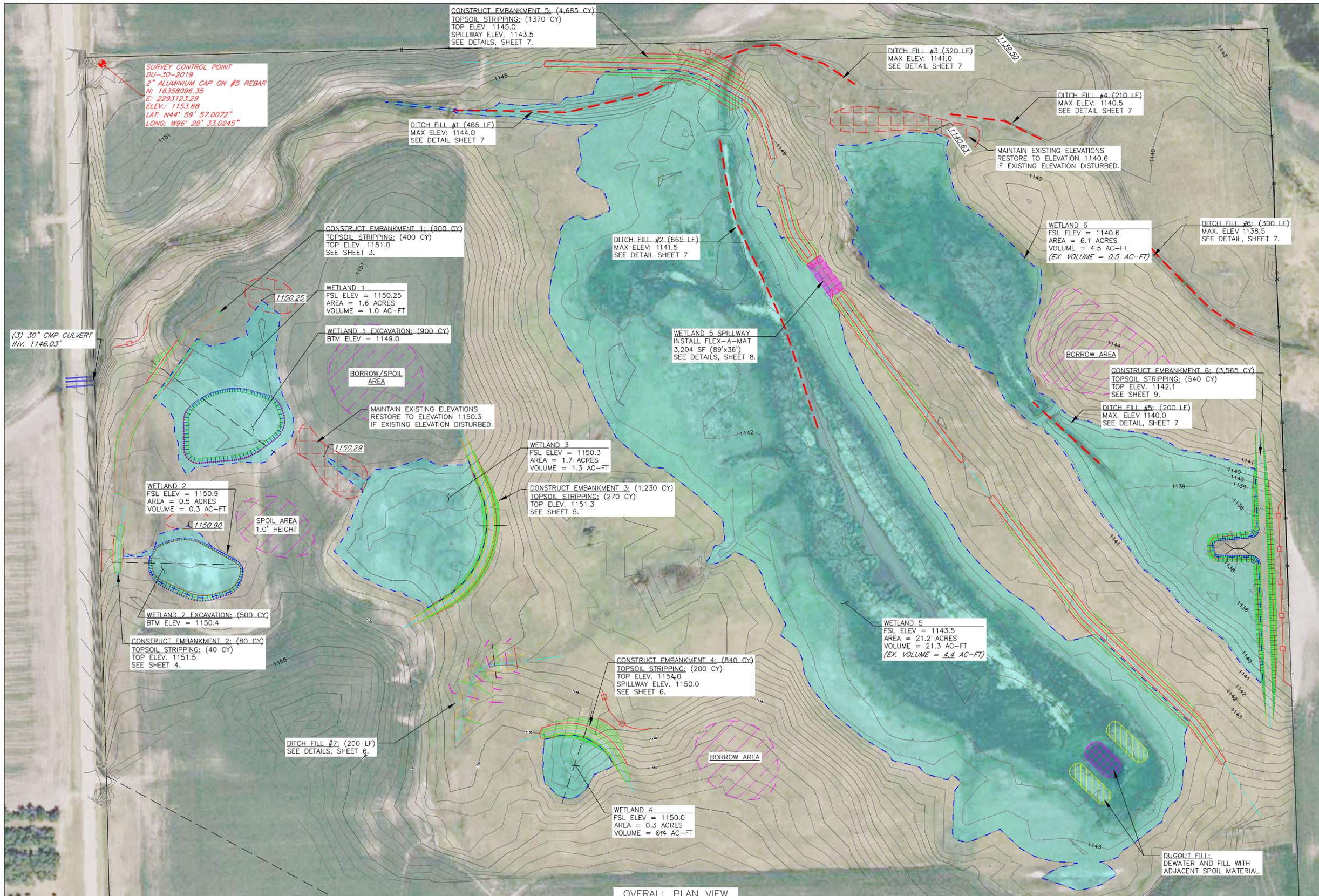
- 1 LOCATION & VICINITY MAPS
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- 10 STORM WATER POLLUTION PREVENTION PLAN

"BEFORE YOU DIG"
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 "SOUTH DAKOTA ONE CALL" AT 811. A 72 HOUR NOTIFICATION AND FULL DESCRIPTION OF LOCATION IS REQUIRED.

DU REGIONAL ENGINEER:
CASEY CAMPBELL, P.E.
2121 N WEBB RD., SUITE 309
GRAND ISLAND, NE 68803
(308) 385-8832

DU ENGINEER:
DYLAN PETERSON, P.E.
2525 RIVER ROAD
BISMARCK, ND 58503
(701) 390-4993

	PROJECT NO. SD-564-2	DESIGNED BY: DCP
	GRANT COUNTY MITIGATION	DRAWN BY: DCP
GREAT PLAINS REGIONAL OFFICE	LOCATION & VICINITY MAPS	SURVEYED BY: TE
DATE: 3/25/2026	SHEET NO. 1 OF 10	CHECKED BY: .
	APPROVED BY:	APPROVED BY:



BORROW AREA NOTE: SUITABLE MATERIAL FOR ALL EMBANKMENTS SHALL BE OBTAINED FROM THE DESIGNATED BORROW AREAS SHOWN ON THE PLANS 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 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."

SEEDING AND MULCHING NOTE: 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. SEED MIX PROVIDED BY DUCKS UNLIMITED.

- CONSTRUCTION NOTES:**
1. REMOVE ALL TOPSOIL FROM EMBANKMENT AND BORROW AREAS AND RESPREAD TOPSOIL OVER THE AREAS WHEN COMPLETE.
 2. 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.
 3. WORK REQUIRED TO DEWATER THE SITE IS INCIDENTAL TO "SITE PREPARATION".

- ABBREVIATIONS LIST**
- BLDC = BUILDING CORNER
 - BRK = BREAK
 - BTM. = BOTTOM
 - C.L. = 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
 - G.W. = GUY WIRE
 - INV = INVERT
 - LAT = LATITUDE (WGS84)
 - LONG = LONGITUDE (WGS84)
 - L.F. = LINEAR FEET
 - MISC = MISCELLANEOUS
 - N = NORTHING COORDINATE OR NORTH
 - NFES = NON-FLARED END SECTION
 - O.C. = ON CENTER
 - O.C.E.W. = ON CENTER EACH WAY
 - OHE = OVERHEAD ELECTRIC
 - P.C. = POINT OF INTERSECTION
 - P.I. = POINT OF INTERSECTION
 - P.T. = POINT OF TANGENCY
 - RCP = REINFORCED CONCRETE PIPE
 - RD = ROAD
 - REM. = REMOVE
 - REQ'D = REQUIRED
 - R.O.W. = 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

- GENERAL NOTES**
1. ONE HALF FOOT CONTOUR INTERVAL SHOWN.
 2. 2018 1 METER RESOLUTION AERIAL IMAGERY IS SHOWN.
 3. ITALICIZED TEXT DENOTES EXISTING FEATURE OR EXISTING ELEVATION.
 4. SPOT ELEVATIONS INDICATED BY XXXX.X ARE RANDOMLY LOCATED AND ARE BASED ON SURFACE MODEL ELEVATIONS.



EXAMPLE OF DUCKS UNLIMITED CONTROL POINT SURVEY CAP

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HORIZONTAL AND VERTICAL CONTROL STATEMENT:
 HORIZONTAL GRID COORDINATES ARE IN US SURVEY FEET UTM ZONE 14 NORTH [NAD83]
 VERTICAL CONTROL ESTABLISHED USING GEOID 12B ON THE NORTH AMERICAN VERTICAL DATUM OF 1988
 THE SITE SURVEY IS CALIBRATED USING THE MIDSTATES VRS NETWORK
 TRIMBLE R10 SURVEY GRADE RECEIVER, USING RTK METHODS

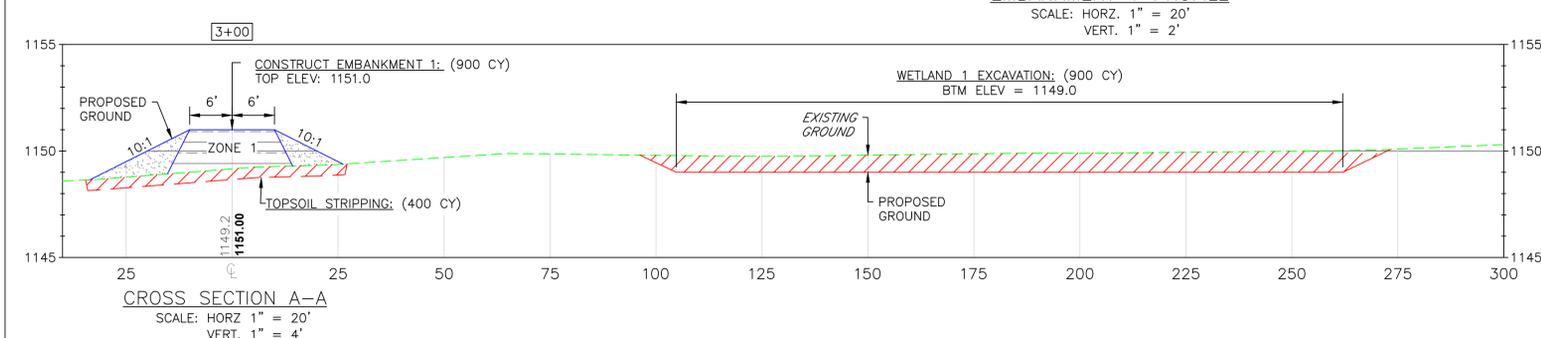
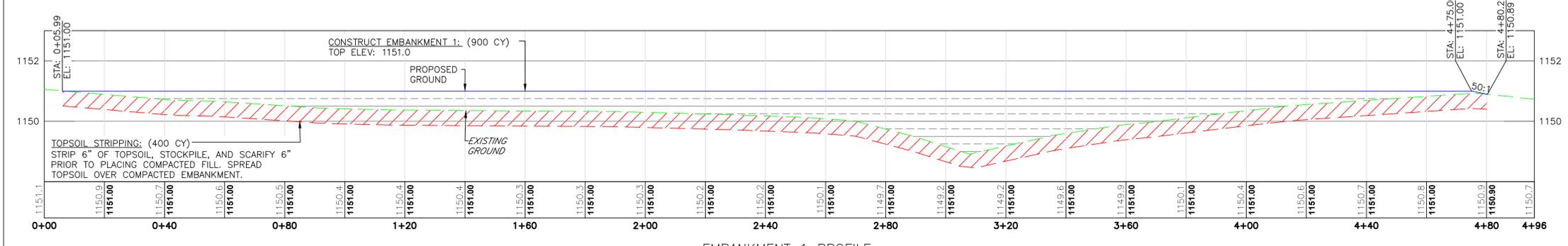
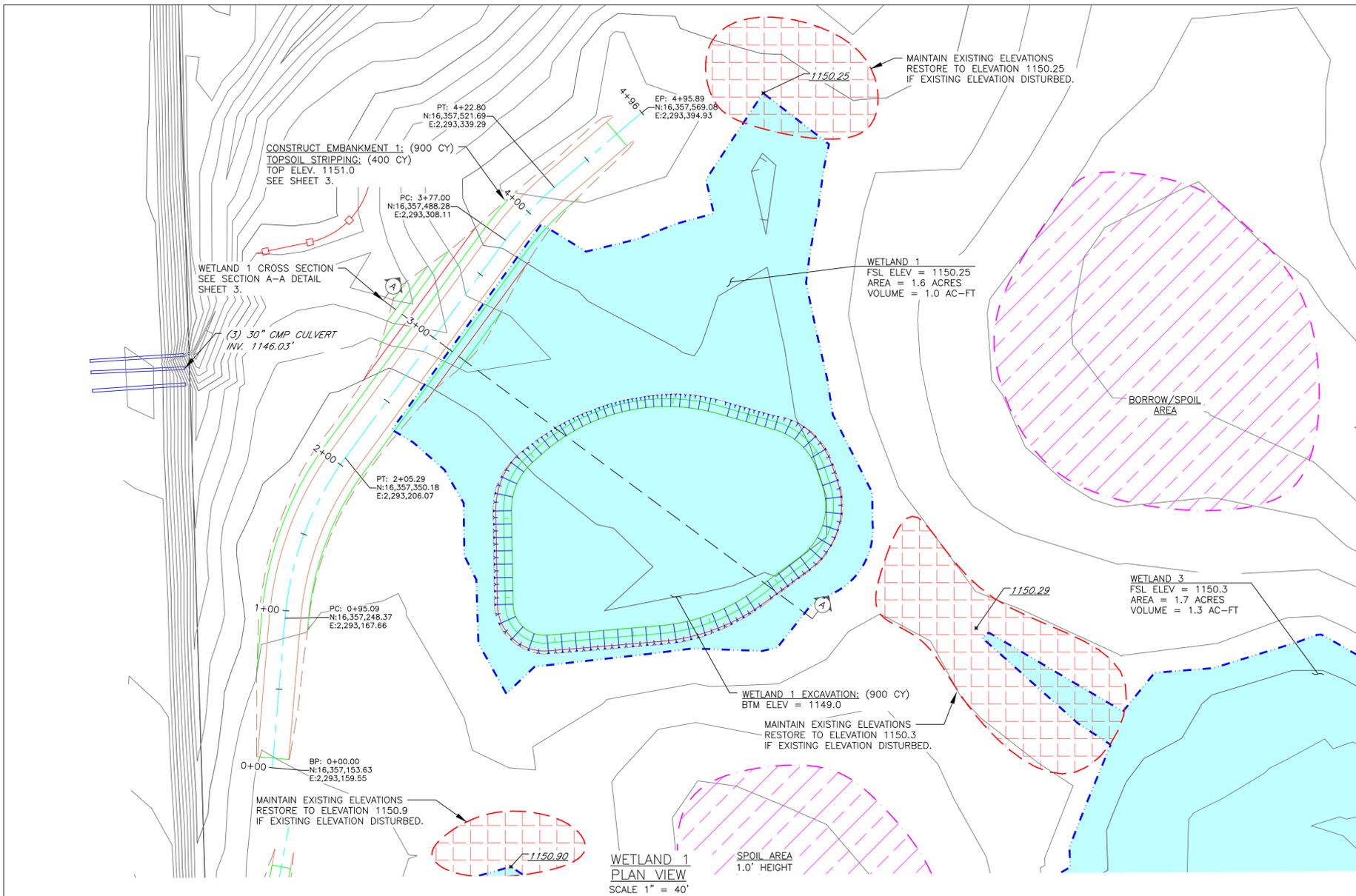
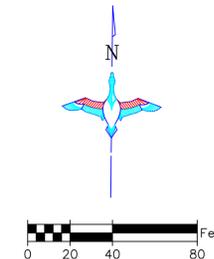
OVERALL PLAN VIEW
SCALE 1" = 100'

	PROJECT NO. SD-564-2	DESIGNED BY: DCP
	GRANT COUNTY MITIGATION	DRAWN BY: DCP
OVERALL PLAN		SURVEYED BY: TE
		CHECKED BY: .
DATE: 3/25/2026	SHEET NO. 2 OF 10	APPROVED BY: .

BORROW AREA NOTE: SUITABLE MATERIAL FOR ALL EMBANKMENTS SHALL BE OBTAINED FROM THE DESIGNATED BORROW AREAS SHOWN ON THE PLANS 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 AND 4" OF TOPSOIL SHALL BE RESPAVED OVER THE SLOPES. THE COST OF TOPSOIL WORK ON THE BORROW AREAS SHALL BE CONSIDERED INCIDENTAL TO "SITE PREPARATION."

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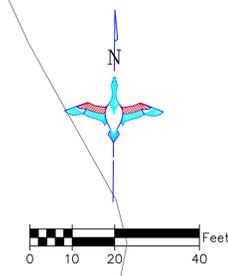
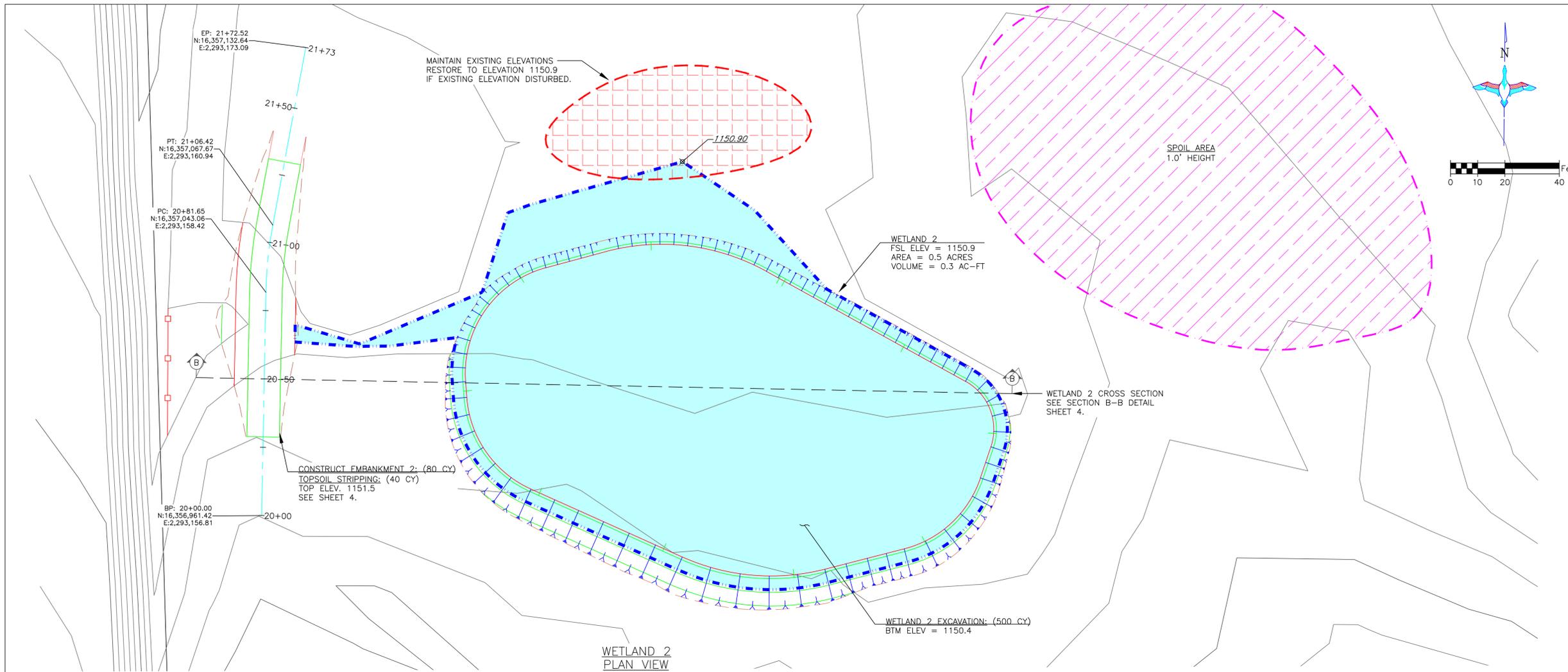
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 3. WORK REQUIRED TO DEWATER THE SITE IS INCIDENTAL TO "SITE PREPARATION"
 4. WORK REQUIRED FOR TOPSOIL STRIPPING AND RESPAVED FOR WETLAND 1 EXCAVATION CONSIDERED INCIDENTAL TO BID ITEM "WETLAND 1 EXCAVATION".



- EMBANKMENT CONSTRUCTION NOTES:**
1. STRIP 6" OF TOPSOIL, STOCKPILE, AND SCARIFY 6" PRIOR TO PLACING COMPACTED FILL. SPREAD TOPSOIL OVER COMPACTED EMBANKMENT. COST OF TOPSOIL WORK SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "SITE PREPARATION"
 2. THE EMBANKMENT SUBGRADE MUST BE STABLE, UNIFORMLY GRADED, FREE OF ROCKS, ROOTS, AND OTHER DEBRIS, WITH NO ABRUPT GRADE CHANGES.
 3. EMBANKMENT CONSTRUCTION SHALL BE FROM COMPACTED EARTHEN MATERIAL CONTAINING MINIMAL ORGANIC MATERIAL AND SHALL COMPLY WITH DU SPECIFICATION SECTION 204 "EMBANKMENT CONSTRUCTION."
 4. BORROW AREA SHALL BE DEVELOPED TO UTILIZE CLAYEY FILL FOR ZONE 1 OF THE EMBANKMENT. ANY GRAVELLY OR HEAVY SAND MATERIAL SHALL BE USED FOR ZONE 2. SEE BORROW NOTES, SHEET 2.
 5. EMBANKMENT FILL SHALL BE OBTAINED FROM THE SPECIFIED BORROW AREA. FILL SHALL BE PLACED IN LIFTS OF NO MORE THAN 8" AND COMPACTED PRIOR TO PLACING SUBSEQUENT LIFTS.
 6. CONTRACTOR TO SEED FINISHED EMBANKMENT. SEE SEEDING NOTES.

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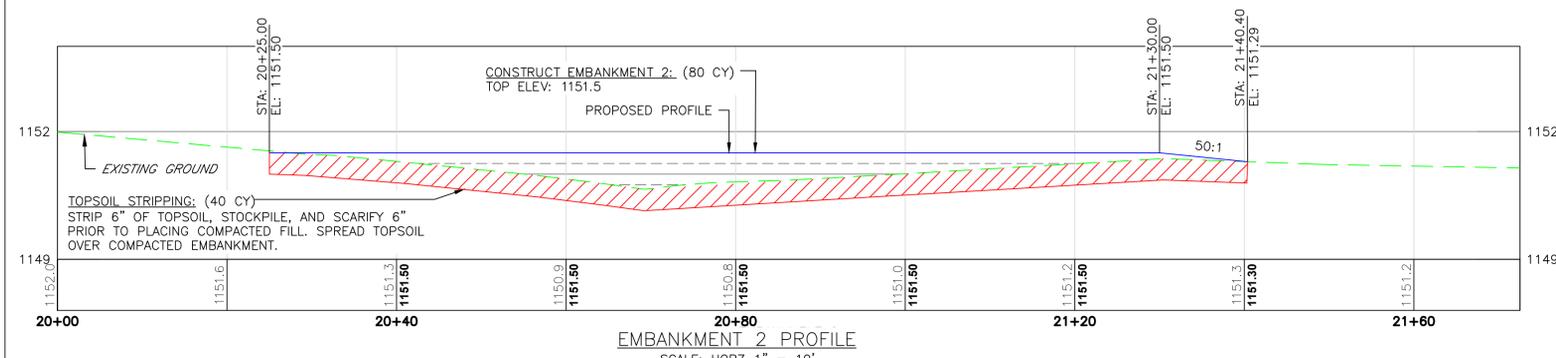
<p>DUCKS UNLIMITED INC. GREAT PLAINS REGIONAL OFFICE</p>	<p>PROJECT NO. SD-564-2</p>	<p>DESIGNED BY: DCP</p>
	<p>GRANT COUNTY MITIGATION</p>	<p>DRAWN BY: DCP</p>
<p>DATE: 3/25/2026</p>	<p>SHEET NO. 3 OF 10</p>	<p>SURVEYED BY: TE</p>
<p>APPROVED BY:</p>	<p>APPROVED BY:</p>	<p>CHECKED BY:</p>



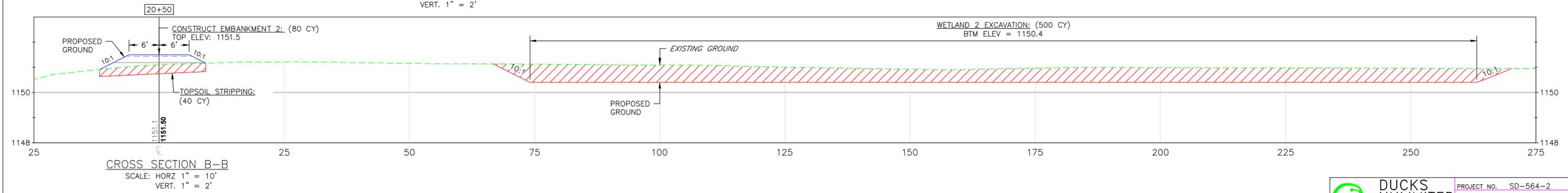
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 4. WORK REQUIRED FOR TOPSOIL STRIPPING AND RESPREADING FOR WETLAND 2 EXCAVATION CONSIDERED INCIDENTAL TO BID ITEM "WETLAND 2 EXCAVATION".

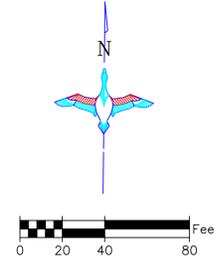
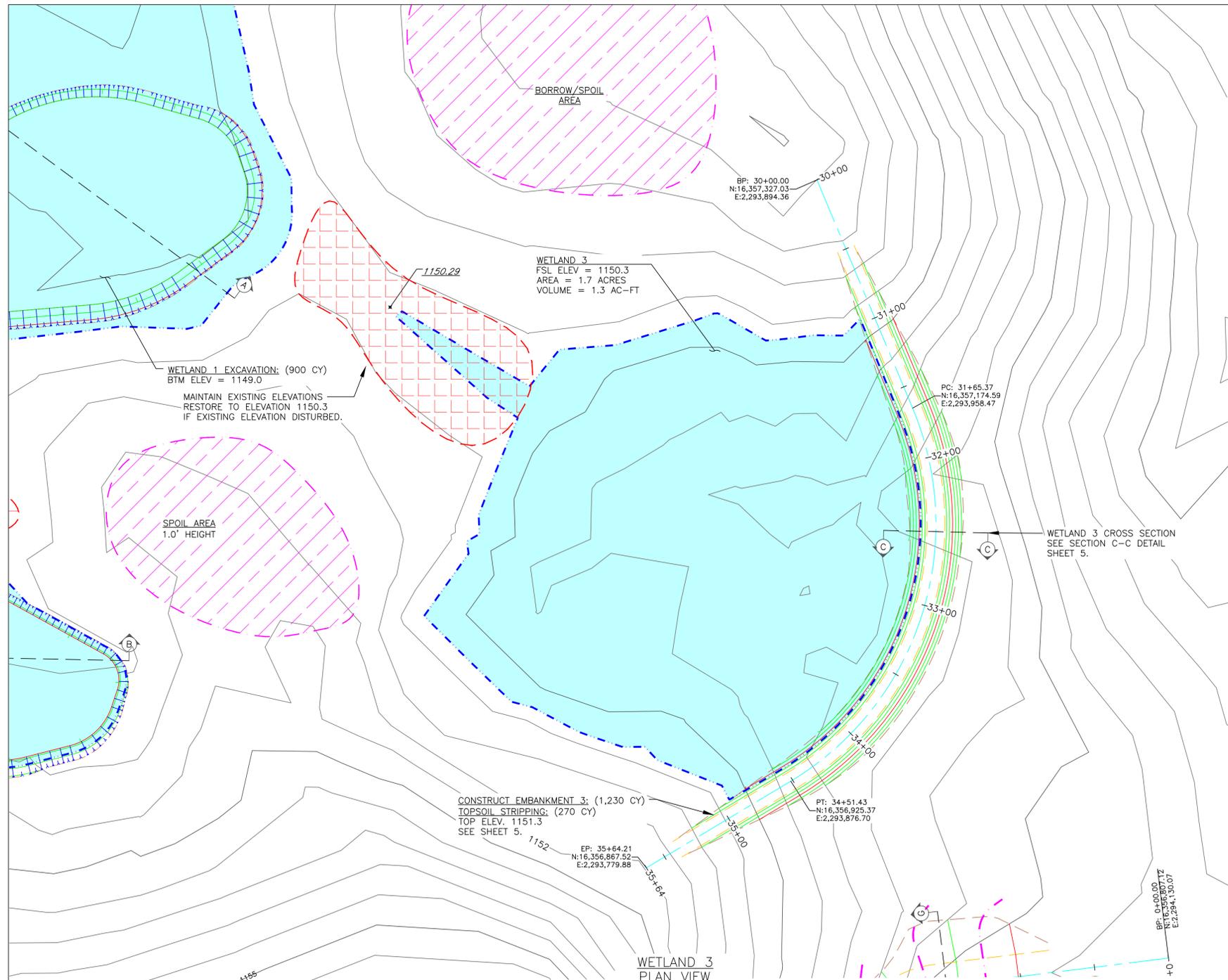


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 6. CONTRACTOR TO SEED FINISHED EMBANKMENT. SEE SEEDING NOTES.



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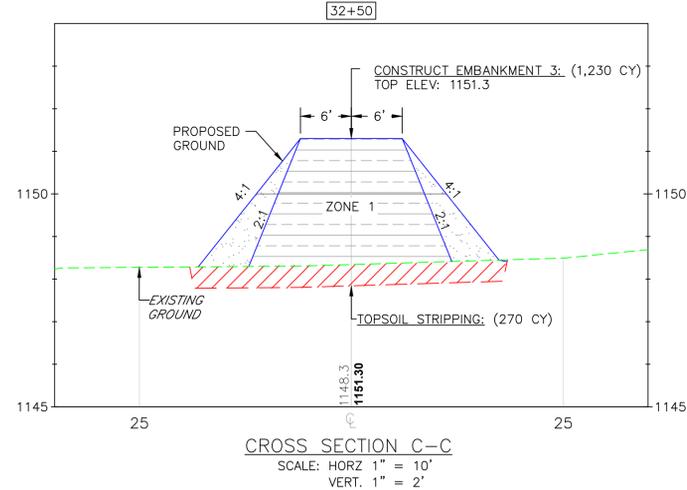
<p>DUCKS UNLIMITED INC.</p> <p>GREAT PLAINS REGIONAL OFFICE</p> <p>DATE: 3/25/2026</p>	<p>PROJECT NO. SD-564-2</p> <p>GRANT COUNTY MITIGATION</p>	<p>DESIGNED BY: DCP</p> <p>DRAWN BY: DCP</p> <p>SURVEYED BY: TE</p> <p>CHECKED BY: .</p>
	<p>WETLAND 2 DETAILS</p> <p>APPROVED BY:</p>	<p>APPROVED BY:</p>
<p>SHEET NO. 4 OF 10</p>	<p>APPROVED BY:</p>	<p>APPROVED BY:</p>



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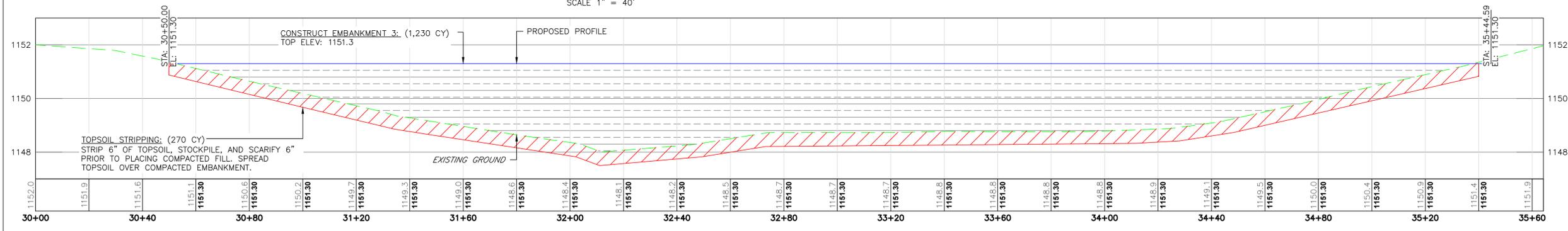
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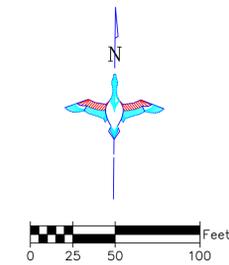
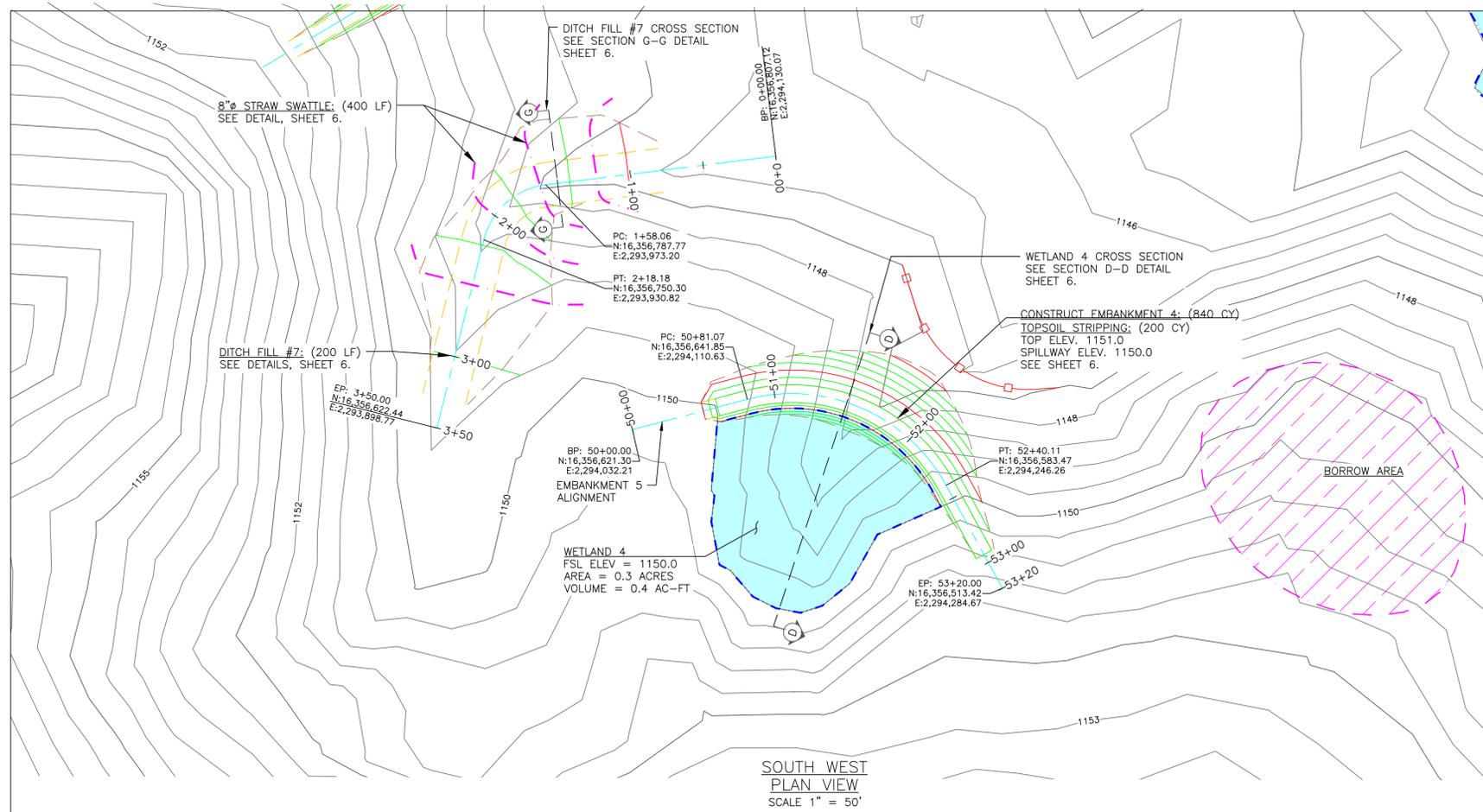
WETLAND 3 PLAN VIEW
SCALE 1" = 40'



EMBANKMENT 3 PROFILE
SCALE: HORZ 1" = 20'
VERT. 1" = 2'

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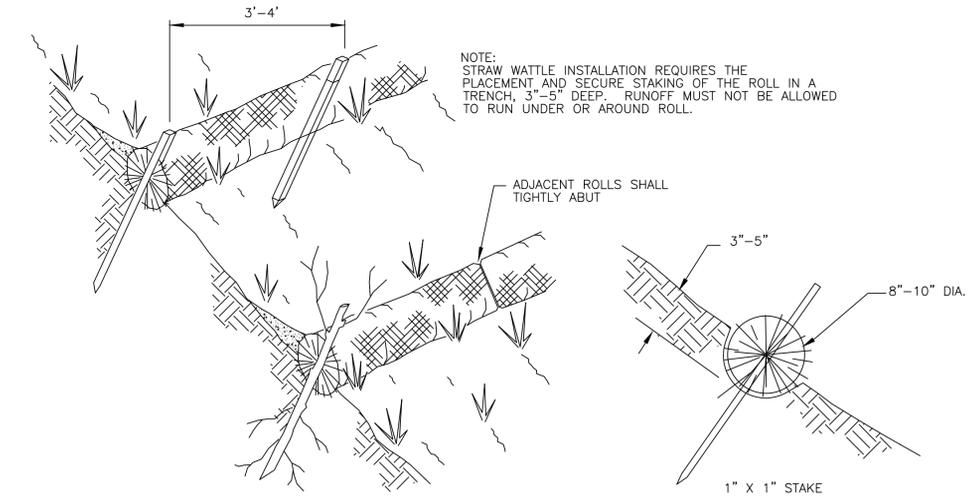
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GREAT PLAINS REGIONAL OFFICE DATE: 3/25/2026	WETLAND 3 DETAILS	SURVEYED BY: TE
		CHECKED BY: .
SHEET NO. 5 OF 10	APPROVED BY:	APPROVED BY:



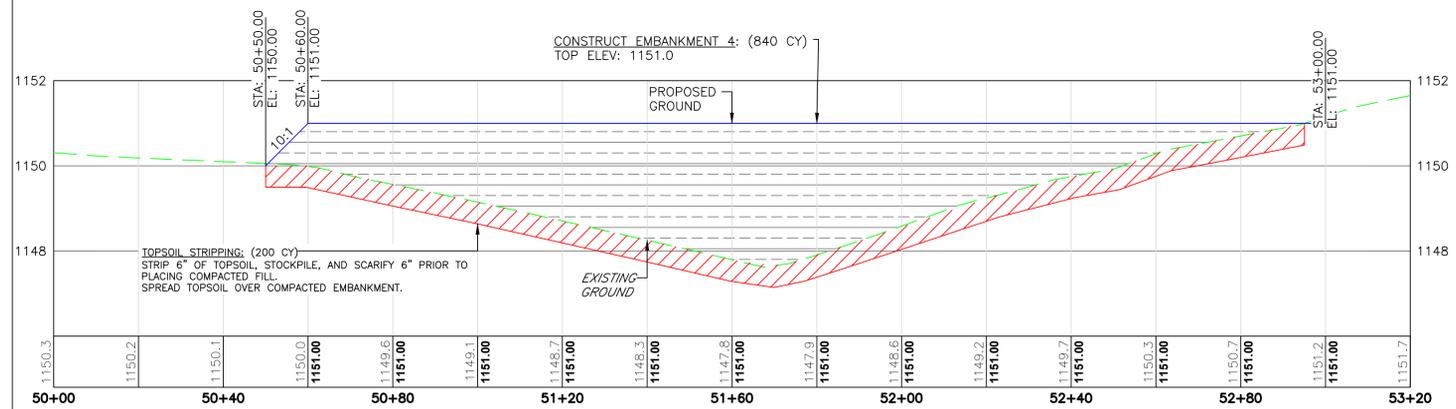
- CONSTRUCTION NOTES:**
1. REMOVE ALL TOPSOIL FROM EMBANKMENT AND BORROW AREAS AND RESPREAD TOPSOIL OVER THE AREAS WHEN COMPLETE.
 2. ALL FILL MATERIALS SHALL BE PLACED IN LOOSE LIFTS OF NOT MORE THAN 8 INCHES THICKNESS AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR METHOD ASTM D698. MOISTURE CONTENT SHALL BE IN THE RANGE OF -1% TO +3% OF OPTIMUM MOISTURE CONTENT.
 3. WORK REQUIRED TO DEWATER THE SITE IS INCIDENTAL TO "SITE PREPARATION".

BORROW AREA NOTE: SUITABLE MATERIAL FOR ALL EMBANKMENTS SHALL BE OBTAINED FROM THE DESIGNATED BORROW AREAS SHOWN ON THE PLANS 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 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."

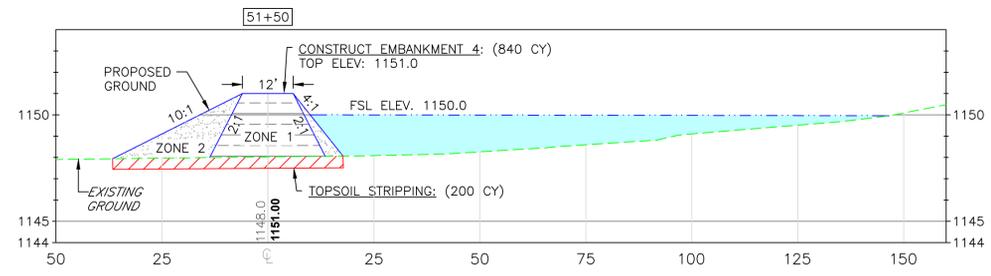
SEEDING AND MULCHING NOTE: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN ADEQUATE SEED BED TO ALLOW SEEDING WITH STANDARD SEEDING EQUIPMENT. THIS WILL INCLUDE USE OF A HARROW OR OTHER MEANS IN ORDER TO LEAVE A SMOOTH, TRACK-FREE FINISH. BACK DRAGGING WITH A DOZER IS NOT AN ACCEPTABLE FINISH. SEED MIX PROVIDED BY DUCKS UNLIMITED.



STRAW WATTLE DETAIL

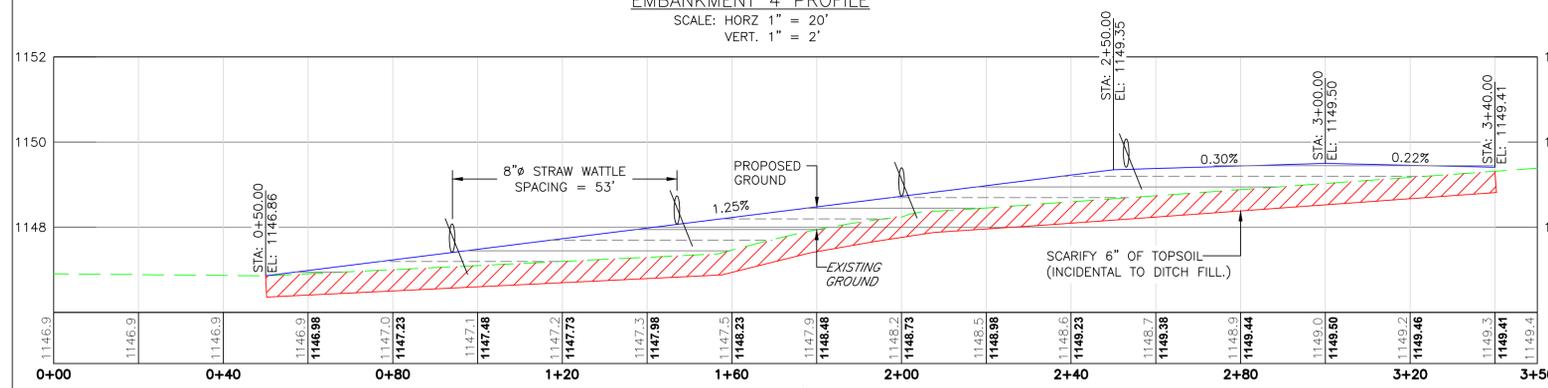


EMBANKMENT 4 PROFILE

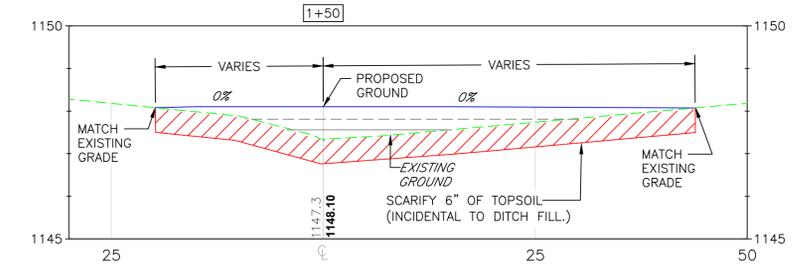


CROSS SECTION D-D

- EMBANKMENT CONSTRUCTION NOTES:**
1. STRIP 6" OF TOPSOIL, STOCKPILE, AND SCARIFY 6" PRIOR TO PLACING COMPACTED FILL. SPREAD TOPSOIL OVER COMPACTED EMBANKMENT. COST OF TOPSOIL WORK SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "SITE PREPARATION"
 2. THE EMBANKMENT SUBGRADE MUST BE STABLE, UNIFORMLY GRADED, FREE OF ROCKS, ROOTS, AND OTHER DEBRIS, WITH NO ABRUPT GRADE CHANGES. EMBANKMENT CONSTRUCTION SHALL BE FROM COMPACTED EARTHEN MATERIAL CONTAINING MINIMAL ORGANIC MATERIAL AND SHALL COMPLY WITH DU SPECIFICATION SECTION 204 "EMBANKMENT CONSTRUCTION."
 3. BORROW AREA SHALL BE DEVELOPED TO UTILIZE CLAYEY FILL FOR ZONE 1 OF THE EMBANKMENT. ANY GRAVELLY OR HEAVY SAND MATERIAL SHALL BE USED FOR ZONE 2. SEE BORROW NOTES, SHEET 2.
 4. EMBANKMENT FILL SHALL BE OBTAINED FROM THE SPECIFIED BORROW AREA. FILL SHALL BE PLACED IN LIFTS OF NO MORE THAN 8" AND COMPACTED PRIOR TO PLACING SUBSEQUENT LIFTS.
 5. CONTRACTOR TO SEED FINISHED EMBANKMENT. SEE SEEDING NOTES.



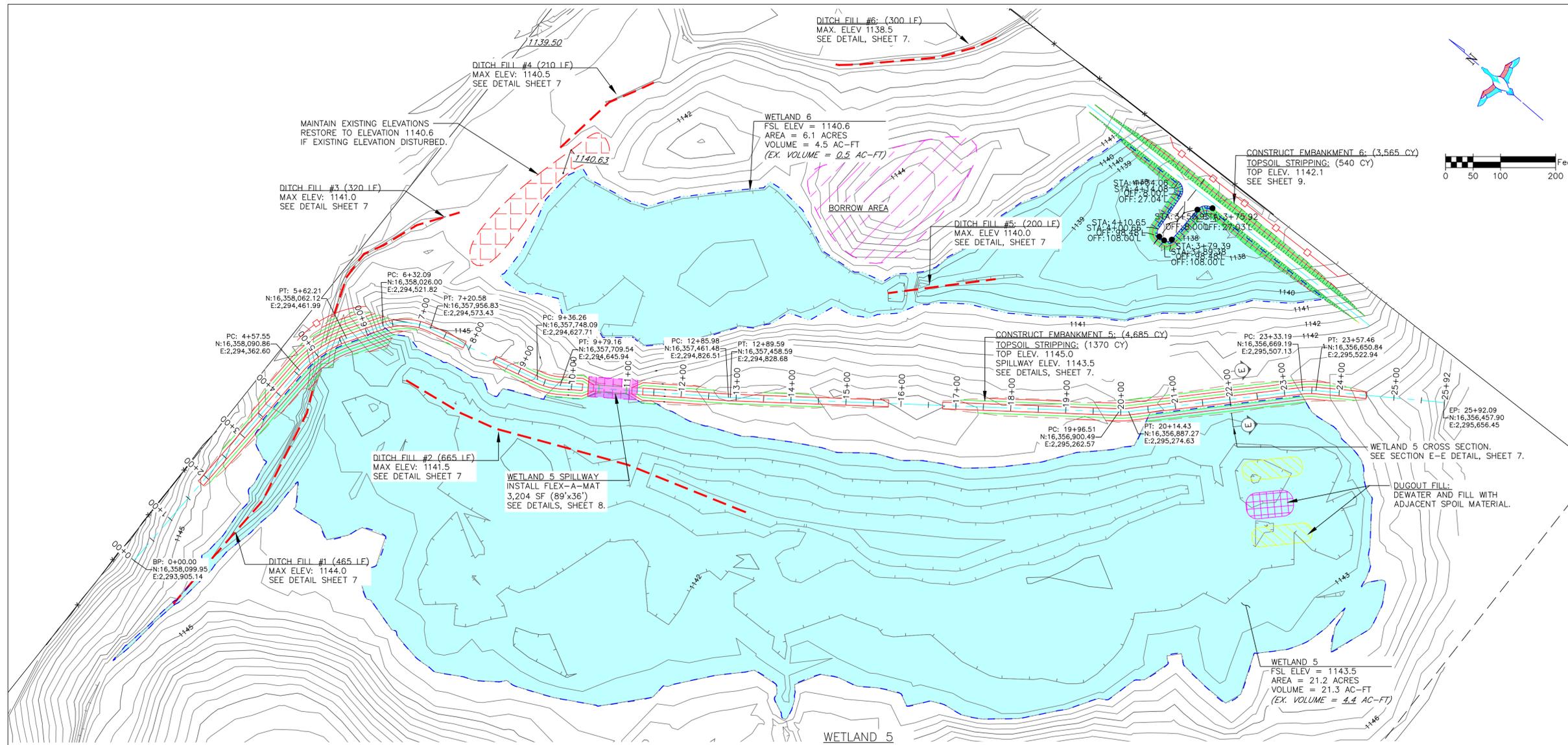
DITCH FILL #7 PROFILE



CROSS SECTION G-G

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<p>DUCKS UNLIMITED INC. GREAT PLAINS REGIONAL OFFICE</p>	PROJECT NO. SD-564-2	DESIGNED BY: DCP
	GRANT COUNTY MITIGATION	DRAWN BY: DCP
	WETLAND 4 DETAILS	SURVEYED BY: TE
DATE: 3/25/2026	SHEET NO. 6 OF 10	CHECKED BY:
	APPROVED BY:	APPROVED BY:

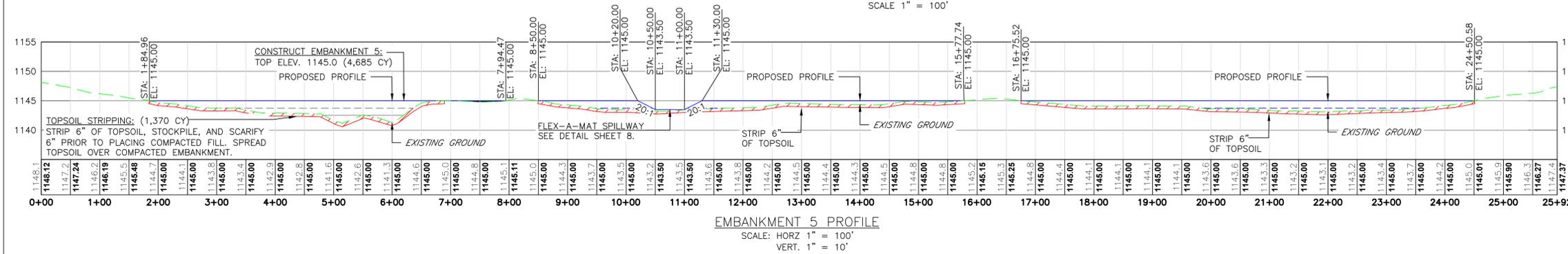


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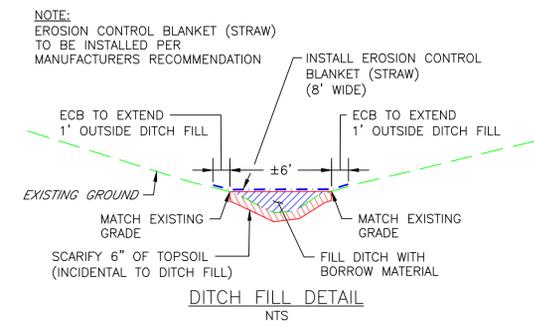
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 3. WORK REQUIRED TO DEWATER THE SITE IS INCIDENTAL TO "SITE PREPARATION".

WETLAND 5 PLAN VIEW
SCALE 1" = 100'

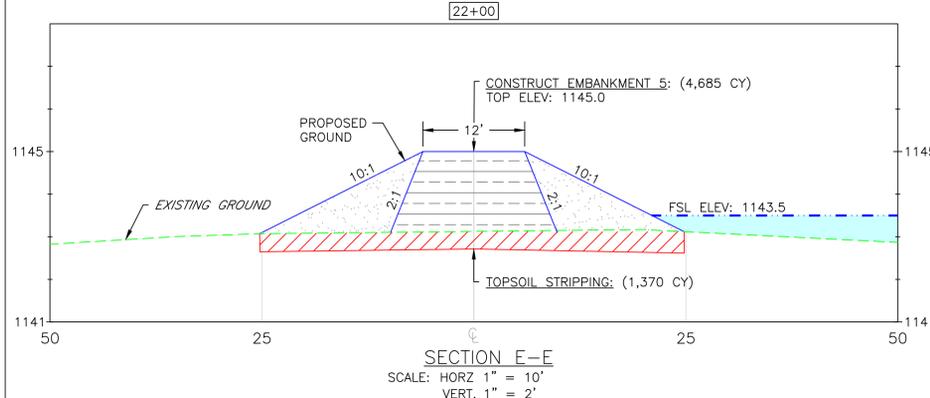


EMBANKMENT 5 PROFILE
SCALE: HORIZ 1" = 100'
VERT. 1" = 10'



NOTE:
EROSION CONTROL BLANKET (STRAW) TO BE INSTALLED PER MANUFACTURERS RECOMMENDATION

DITCH FILL DETAIL
NTS



SECTION E-E
SCALE: HORIZ 1" = 10'
VERT. 1" = 2'

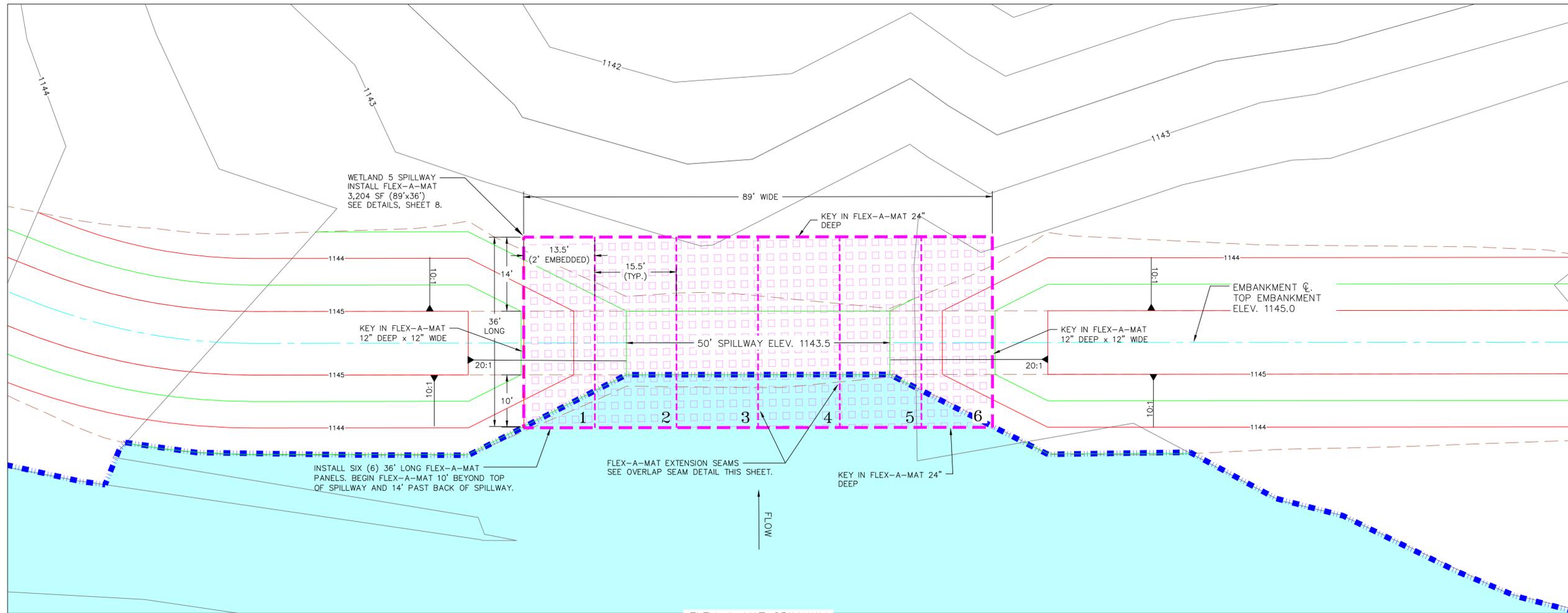
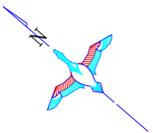
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 6. CONTRACTOR TO SEED FINISHED EMBANKMENT. SEE SEEDING NOTES.

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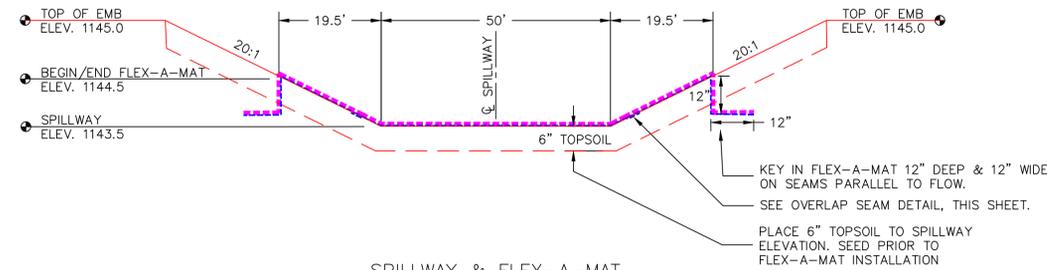
<p>DUCKS UNLIMITED INC. GREAT PLAINS REGIONAL OFFICE</p>	PROJECT NO. SD-564-2	DESIGNED BY: DCP
	GRANT COUNTY MITIGATION	DRAWN BY: DCP
	WETLAND 5 DETAILS	SURVEYED BY: TE
DATE: 3/25/2026	SHEET NO. 7 OF 10	CHECKED BY:
	APPROVED BY:	APPROVED BY:

FLEXAMAT INFORMATION

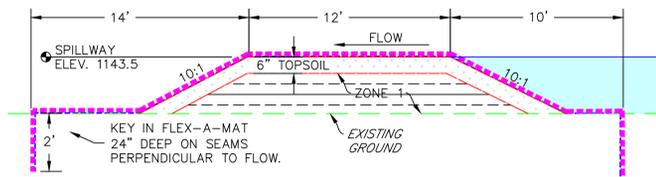
Manufacturer: Motz Enterprises, Inc.
 Product Name: Flexamat®
 Address: 3153 Madison Road
 Cincinnati, Ohio 45209
 Telephone: 513-772-MOTZ (6689)
 Fax: 513-772-6690
 Contact: Matt Motz
 Email: Matt@Flexamat.com
 Website: www.Flexamat.com



FLEX-A-MAT SPILLWAY
 PLAN VIEW
 SCALE 1" = 10'



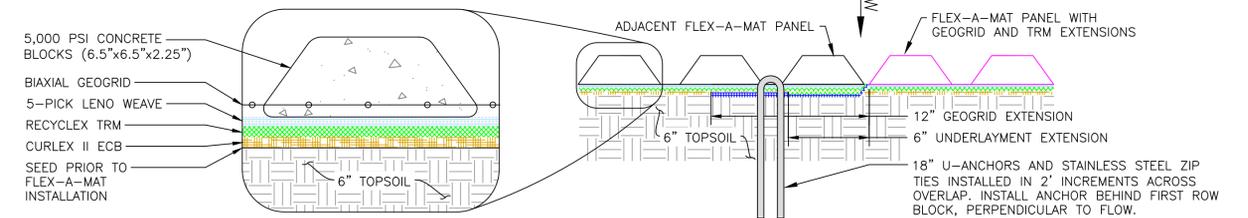
SPILLWAY & FLEX-A-MAT
 TYPICAL PROFILE VIEW
 NOT TO SCALE



SPILLWAY & FLEX-A-MAT
 TYPICAL SECTION CUT
 NOT TO SCALE

FLEX-A-MAT CONSTRUCTION NOTES:

1. THE EMBANKMENT SUBGRADE MUST BE STABLE, UNIFORMLY GRADED, FREE OF ROCKS, ROOTS, AND OTHER DEBRIS, WITH NO ABRUPT GRADE CHANGES.
2. PRIOR TO FLEX-A-MAT INSTALLATION, SEED TOPSOIL WITH MIX PROVIDED BY DUCKS UNLIMITED.
3. OUTER EDGES OF FLEX-A-MAT, PERPENDICULAR TO FLOW, SHALL BE EMBEDDED 24" VERTICALLY. THE ANCHOR TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL.
4. OUTER EDGES OF FLEX-A-MAT, PARALLEL TO FLOW, SHALL BE EMBEDDED 12" VERTICALLY AND 12" HORIZONTALLY. THE ANCHOR TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL.
5. TO "JOIN" SECTIONS OF MATS AT SEAM LOCATIONS, FOLLOW SEAM DETAILS, PER MANUFACTURERS RECOMMENDATIONS.
6. MEASUREMENT OF FLEX-A-MAT IS BASED ON FINISHED SQUARE FOOTAGE. THIS MEASUREMENT DOES NOT INCLUDE OVERLAPS OR EMBEDDED LENGTHS.



FLEX-A-MAT TYPICAL SECTION

OVERLAP SEAM DETAIL
 PARALLEL TO FLOW

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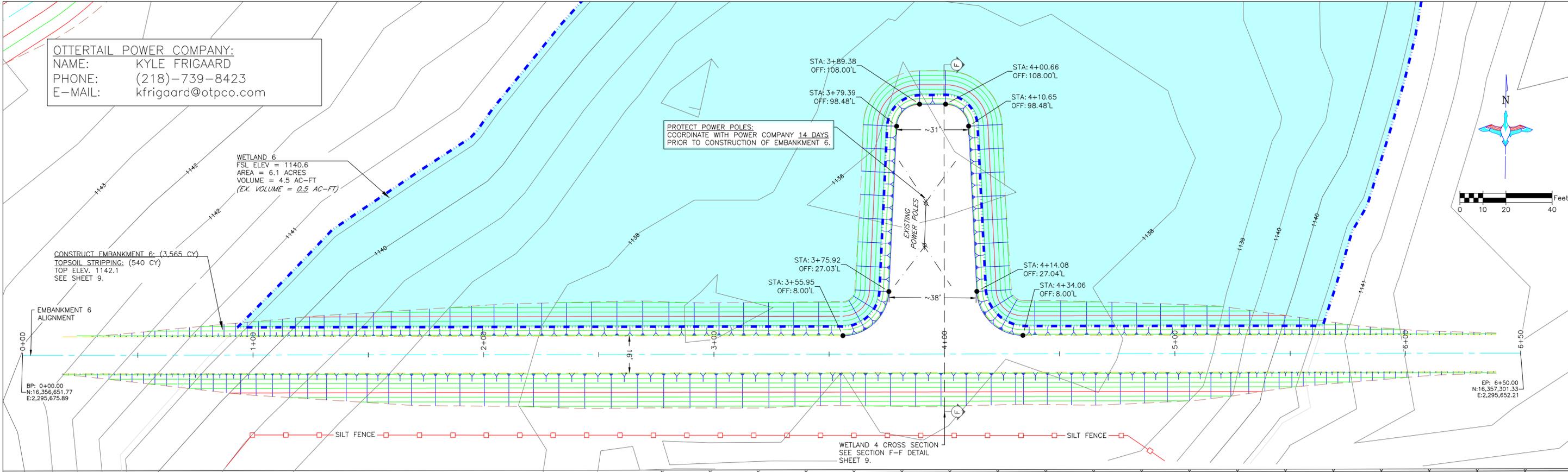
<p>DUCKS UNLIMITED INC. GREAT PLAINS REGIONAL OFFICE</p>	PROJECT NO. SD-564-2 GRANT COUNTY MITIGATION	DESIGNED BY: DCP DRAWN BY: DCP SURVEYED BY: TE
	FLEX-A-MAT DETAILS	CHECKED BY: . APPROVED BY: .
DATE: 3/25/2026 SHEET NO. 8 OF 10	APPROVED BY: .	APPROVED BY: .

OTTERTAIL POWER COMPANY:
 NAME: KYLE FRIGAARD
 PHONE: (218)-739-8423
 E-MAIL: kfrigaard@otpc.com

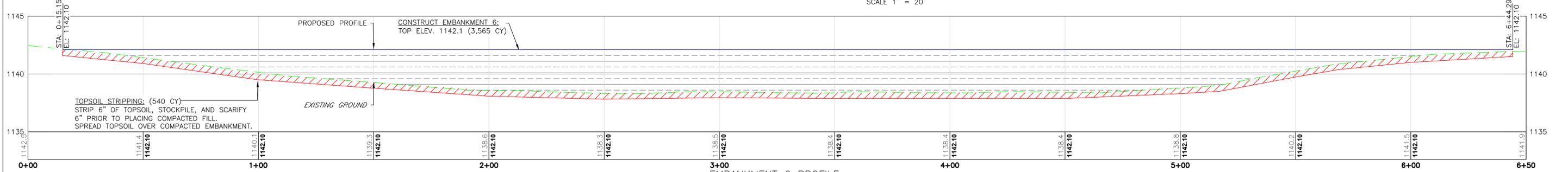
PROTECT POWER POLES:
 COORDINATE WITH POWER COMPANY 14 DAYS
 PRIOR TO CONSTRUCTION OF EMBANKMENT 6.

WETLAND 6
 FSL ELEV = 1140.6
 AREA = 6.1 ACRES
 VOLUME = 4.5 AC-FT
 (EX. VOLUME = 0.5 AC-FT)

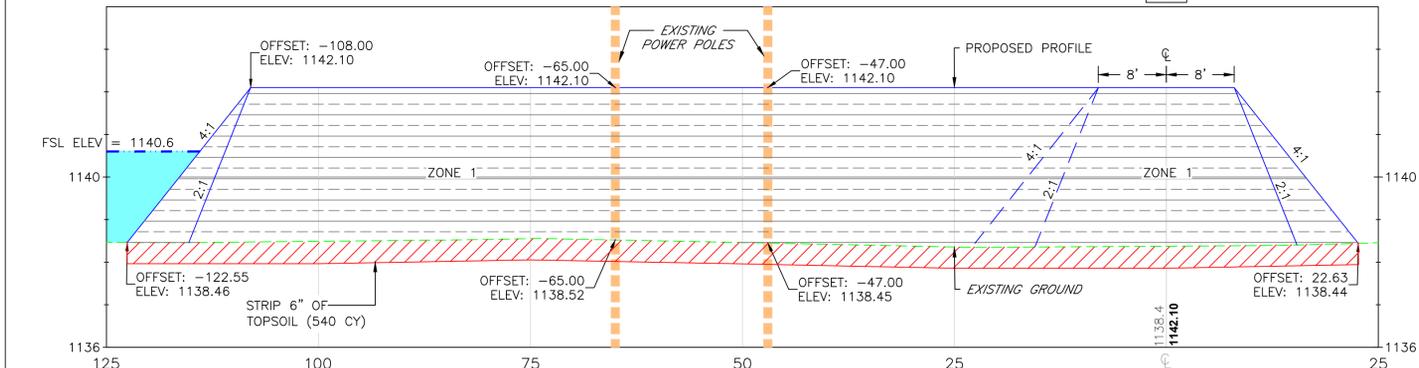
CONSTRUCT EMBANKMENT 6: (3,565 CY)
 TOPSOIL STRIPPING: (540 CY)
 TOP ELEV. 1142.1
 SEE SHEET 9.



EMBANKMENT 6
 PLAN VIEW
 SCALE 1" = 20'



EMBANKMENT 6 PROFILE
 SCALE: HORZ 1" = 20'
 VERT. 1" = 4'

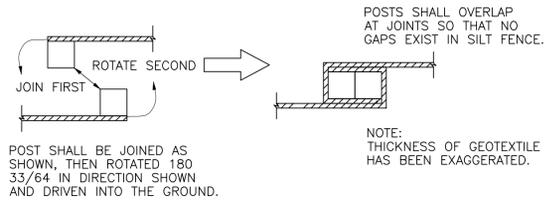


CROSS SECTION F-F
 SCALE: HORZ 1" = 10'
 VERT. 1" = 2'

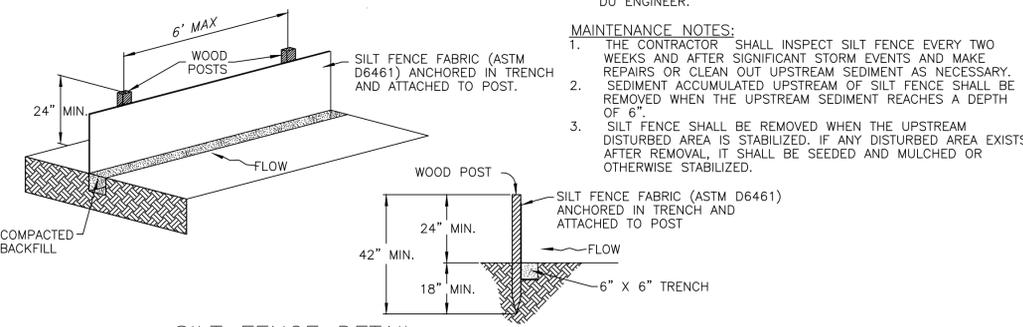
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 3. WORK REQUIRED TO DEWATER THE SITE IS INCIDENTAL TO "SITE PREPARATION".



- 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. ANCHOR TRENCH SHALL BE EXCAVATED BY HAND, WITH TRENCHER, OR WITH SILT FENCE INSTALLATION MACHINE. NO ROADGRADERS, BACKHOES, ETC. SHALL BE USED.
 3. NOT LESS THAN THE BOTTOM 1' OF THE SILT FENCE FABRIC SHALL BE BURIED IN THE TRENCH.
 4. 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.
 5. SILT FENCE INDICATED IN THE PLANS SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.
 6. USE WOOD POSTS OR OTHER MATERIAL AS ACCEPTED BY THE DU ENGINEER.

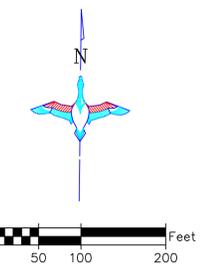
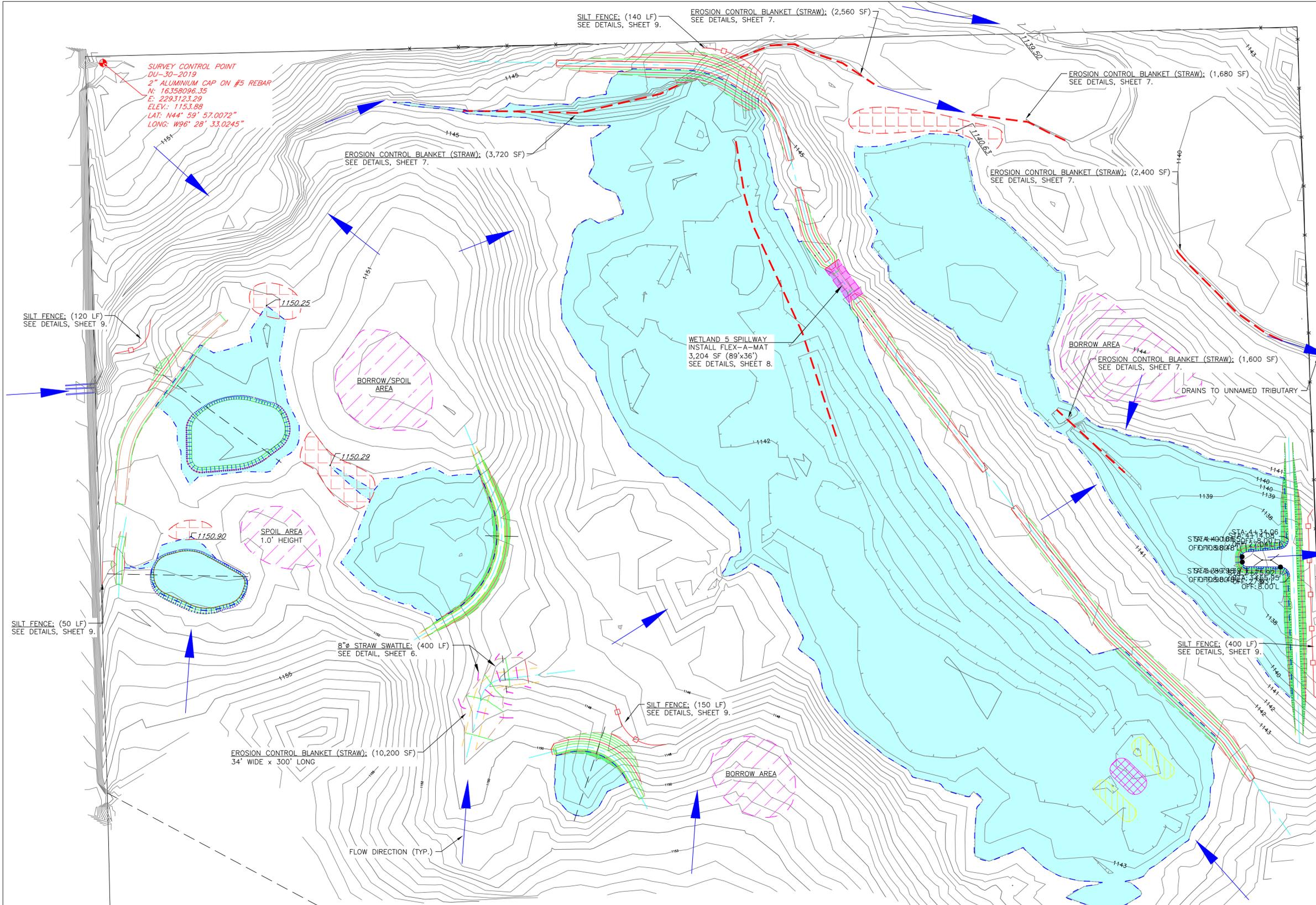


SILT FENCE DETAIL
 N.T.S.

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<p>DUCKS UNLIMITED INC. GREAT PLAINS REGIONAL OFFICE</p>	PROJECT NO. SD-564-2	DESIGNED BY: DCP
	GRANT COUNTY MITIGATION	DRAWN BY: DCP
	WETLAND 6 DETAILS	SURVEYED BY: TE
		CHECKED BY: .
DATE: 3/25/2026	SHEET NO. 9 OF 10	APPROVED BY:



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SWPPP CONTENTS:

PROJECT ACTIVITY	WETLAND MITIGATION
DISTURBED AREA	8.5 ACRES
EXISTING VEGETATION	8.5 ACRES
SOIL TYPE	TYPE D
RECEIVING WATERS	UNNAMED TRIBUTARY
CONSTRUCTION ACTIVITY:	EXCAVATION OF BORROW
MATERIAL, EMBANKMENT CONSTRUCTION, TEMPORARY/PERMANENT	
EROSION BMP INSTALLATION, SEEDING AND MULCHING	

BMP QUANTITIES:

SILT FENCE	860 L.F.
8" STRAW WATTLE	400 L.F.
EROSION CONTROL BLANKET	22,160 S.F.
FLEX-A-MAT	3,204 S.F.
SEEDING AND MULCHING	8.5 ACRES

CONTACT INFORMATION:

ENGINEER:
 NAME: DYLAN PETERSON
 PHONE: 701-390-4993
 EMAIL: dpeterson@ducks.org
 COMPANY: DUCKS UNLIMITED, INC.

CONSTRUCTION MANAGER:
 NAME: LES MORGENSTERN
 PHONE: 701-391-2250
 EMAIL: lmorgenstern@ducks.org
 COMPANY: DUCKS UNLIMITED, INC.

CONTRACTOR:
 NAME: TBD
 PHONE: TBD
 EMAIL: TBD
 COMPANY: TBD

GENERAL NOTES

- ONE HALF FOOT CONTOUR INTERVAL SHOWN.
- 2018 1 METER RESOLUTION AERIAL IMAGERY IS SHOWN.
- ITALICIZED TEXT DENOTES EXISTING FEATURE OR EXISTING ELEVATION.
- SPOT ELEVATIONS INDICATED BY *xxxx.x* ARE RANDOMLY LOCATED AND ARE BASED ON SURFACE MODEL ELEVATIONS.

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STORMWATER POLLUTION PREVENTION PLAN VIEW
 SCALE 1" = 100'

	PROJECT NO. SD-564-2	DESIGNED BY: DCP
	GRANT COUNTY MITIGATION	DRAWN BY: DCP
	STORM WATER POLLUTION PREVENTION PLAN	SURVEYED BY: TE
		CHECKED BY: .
GREAT PLAINS REGIONAL OFFICE DATE: 3/25/2026 SHEET NO. 10 OF 10	APPROVED BY:	APPROVED BY: