

ATTACHMENT A

**HUFF'S CORNER IN-CHANNEL REPAIR PROJECT
PROJECT PLANS**

(The version of the plans attached to this staff report have been resized to 8.5" x 11")

HUFF'S CORNER IN-CHANNEL REPAIR PROJECT 100% DESIGN



PROJECT LOCATION MAP
NOT TO SCALE



PROJECT VICINITY MAP

SCALE: 1" = 80'
0 40' 80' 160'



UNDERGROUND SERVICE ALERT

CALL 811 UNDERGROUND SERVICE ALERT TO LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION.

HORIZONTAL PROJECTION

THE HORIZONTAL PROJECTION IS CALIFORNIA STATE PLANE, ZONE II, FEET, 2011 EPOCH DATE.

REVISION NO.	DATE	DESCRIPTION



FlowWest
PO BOX 29392
OAKLAND, CA 94604
510.842.0538

PREPARED FOR:



TITLE SHEET

HUFF'S CORNER IN-CHANNEL
REPAIR PROJECT
100% DESIGN

100% DESIGN

DATE: 1/29/2024

DRAWN BY: GSMITH

CHECKED BY: PFRANK

SHEET:

G1

Y:\Shared\Utilities\Projects\2024-06_Huff's_Corner_CADD\DWG\Huff's_Corner_18_Plan.dwg

DEFINITIONS

PROPERTY OWNER: YOLO COUNTY NATURAL RESOURCES DIVISION
 YOLO COUNTY ADMINISTRATOR'S OFFICE
 ATTN: NATURAL RESOURCES DIVISION
 625 COURT STREET, ROOM 202
 WOODLAND, CA 95668
 CONTACT: ELISA SABATINI
 (530) 406-5773

DESIGN ENGINEER: FLOWWEST
 PO BOX 29392
 OAKLAND, CA 94604
 CONTACT: PAUL FRANK
 (510) 454-9378

OWNER'S REPRESENTATIVE: THE OWNER-DESIGNATED CONSTRUCTION MANAGER OR PRIMARY CONTACT FOR THE CONTRACTOR (TO BE IDENTIFIED PRIOR TO CONSTRUCTION). THE OWNER'S REPRESENTATIVE WILL COORDINATE AS NEEDED BETWEEN THE OWNER AND DESIGN ENGINEER.

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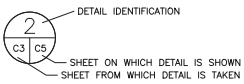
ABBREVIATIONS

AC	ACRE	MAX	MAXIMUM
APN	ASSESSOR'S PARCEL NUMBER	MIN	MINIMUM
APPROX	APPROXIMATE, APPROXIMATELY	NO.	NUMBER
CL	CENTERLINE	NTS	NOT TO SCALE
DWG	DRAWING	O.C.	ON CENTER
EX	EXISTING	PLS	PURE LIVE SEED
EG	EXISTING GROUND	PROP	PROPOSED
ELEV	ELEVATION	RD	ROAD
EP	EDGE OF PAVEMENT	RSP	ROCK SLOPE PROTECTION
FG	FINISHED GRADE	SHT	SHEET
FT	FEET	STA	STATION
GAL	GALLON	TBD	TO BE DETERMINED
H	HORIZONTAL	TEMP	TEMPORARY
L	LENGTH	TYP	TYPICAL
LBS	POUNDS	V	VERTICAL
LF	LINEAR FEET		

LEGEND

EXISTING GROUND CONTOURS	
FINISHED GRADE CONTOURS	
SURVEYED POINT	
PARCEL LINE	

DETAIL REFERENCE CONVENTION



GENERAL NOTES

- GENERAL**
- THE CONSTRUCTION WINDOW IS BETWEEN JUNE 1, 2025 AND OCTOBER 31, 2025.
 - THE PLANS AND SPECIFICATIONS DESCRIBE IN GENERAL THE QUALITY AND CHARACTER OF THE MATERIALS, SHAPE AND CONFIGURATION OF THE IMPROVEMENTS AND DESIGN INTENT OF THE COMPLETED, INSTALLED WORK. MISCELLANEOUS ITEMS OF WORK, MATERIAL, EQUIPMENT, ETC. NECESSARY TO COMPLETE THE WORK SHALL BE PROVIDED BY THE CONTRACTOR WHETHER OR NOT MENTIONED IN THE SPECIFICATIONS OR SHOWN ON THE PLANS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
 - A SET OF SIGNED WORKING PLANS AND SPECIFICATIONS SHALL BE KEPT AT THE JOB SITE AT ALL TIMES ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE OWNER UPON COMPLETION OF WORK.
 - ANY REVISIONS OR ADDITIONAL WORK REQUIRED AS A RESULT OF FIELD CONDITIONS OR OWNER STANDARDS AND/OR REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. WORK PERFORMED BY THE CONTRACTOR WITHOUT WRITTEN AUTHORIZATION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WHO SHALL BEAR ALL COSTS. ALL REVISIONS SHALL BE IN WRITTEN CHANGE ORDER FORM AND APPROVED AND AUTHORIZED BY OWNER BEFORE BEGINNING WORK.
 - THE CONTRACTOR SHALL CONFORM TO ALL GOVERNING LAWS, CODES, AND ORDINANCES.
 - OWNER'S REPRESENTATIVE ACCEPTS NO RESPONSIBILITY BEYOND THE ADEQUACY OF THE DESIGN CONTAINED HEREIN. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS AND THE SPECIFICATIONS THE CONTRACTOR SHALL CONTACT THE OWNER OR OWNER'S REPRESENTATIVE FOR FURTHER EXPLANATION AS MAY BE NECESSARY.
 - ANY DEVIATIONS OR CHANGES TO THESE PLANS, WITHOUT OFFICIAL APPROVAL OF THE OWNER'S REPRESENTATIVE SHALL ABSOLVE THE OWNER'S REPRESENTATIVE OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION OR CHANGE.
 - CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD OWNER AND ITS REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
 - GENERAL SUBMITTAL REQUIREMENTS: THE CONTRACTOR SHALL MAKE SUBMITTALS WHERE INDICATED. SUBMITTALS SHALL BE NEAT, TYPE-WRITTEN AND INCLUDE: THE PROJECT NAME, CONTRACTOR'S NAME, DATE, SUBMITTAL NUMBER, AND INDICATE WHETHER IT IS A RESUBMITTAL. ALLOW FIVE BUSINESS DAYS FOR SUBMITTAL REVIEW AND COMMENT. THE CONTRACTOR SHALL NOT COMMENCE WITH THE STIPULATED WORK UNTIL IT HAS RECEIVED FAVORABLE REVIEW FROM THE OWNER'S REPRESENTATIVE.
 - GOVERNING SPECIFICATIONS: ALL WORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION," MOST RECENT EDITION (HEREINAFTER REFERRED TO AS STANDARD SPECS), EXCEPT AS MODIFIED IN THE DRAWINGS OR THE TECHNICAL SPECIFICATIONS, OR AS DESCRIBED IN WRITING BY THE OWNER'S REPRESENTATIVE.
 - THE CONTRACTOR SHALL CONFIRM DIMENSIONS OF ALL GRADING ACTIVITIES WITH THE OWNER'S REPRESENTATIVE BEFORE WORK COMMENCEMENT. IF DIMENSIONING IS UNCLEAR OR INSUFFICIENT CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION.
 - CONTRACTOR TO FIELD INVESTIGATE, VERIFY, AND BE RESPONSIBLE FOR ALL CONDITIONS, ELEVATIONS, AND DIMENSIONS OF THE PROJECT, AS SHOWN ON OR REFERENCED ON THE PLANS, AND NOTIFY THE OWNER'S REPRESENTATIVE ABOUT ANY CONDITION REQUIRING MODIFICATION OR CHANGE PRIOR TO BIDDING. EXAMINE THE PLANS AND SPECIFICATIONS AND CLEARLY UNDERSTAND THE EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED PRIOR TO BIDDING. NO ALLOWANCES OF ANY KIND WILL BE MADE FOR ANY EXTRA COST DUE TO THE CONTRACTOR'S FAILURE TO INFORM THE OWNER OF DISCREPANCIES IN TIME TO ISSUE CORRECTIVE ADDENDA PRIOR TO BIDDING.
- ACCESS AND STAGING**
- PRIOR TO CONSTRUCTION, THE LIMITS OF WORK FOR CONSTRUCTION, ACCESS AND STAGING WILL BE CLEARLY DELINEATED IN THE FIELD WITH TEMPORARY CONSTRUCTION FENCING, FLAGGING OR STAKES TO ENSURE THAT ALL PROJECT ACTIVITIES ARE RESTRICTED TO AUTHORIZED AREAS.
 - THE CONTRACTOR SHALL ONLY OPERATE EQUIPMENT ON ACCESS ROUTES, STAGING AREAS AND WITHIN PROJECT LIMITS INDICATED ON THE DRAWINGS.
 - A PRELIMINARY STAGING AREA IS SHOWN ON THE PLANS. CONTRACTOR SHALL OBTAIN OWNER APPROVAL FOR FINAL STAGING AREA PRIOR TO MOBILIZATION.
 - ALL TRAFFIC CONTROL REQUIRED FOR CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- UTILITIES**
- THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES IN THE PROJECT AREA PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE AGENCIES AND THE UNDERGROUND SERVICE ALERT TO FIELD LOCATE ALL UNDERGROUND UTILITIES.
 - CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600, OR 811, 48 HOURS PRIOR TO ANY START OF CONSTRUCTION.
- ENVIRONMENTAL PROTECTION**
- THE SEQUENCE AND TIMING OF CONSTRUCTION ARE RESTRICTED DUE TO THE PRESENCE OF THREATENED OR ENDANGERED SPECIES AND OTHER CONSTRAINTS - SEE SPECIFICATIONS AND PERMITS.
 - THE CONTRACTOR SHALL PERFORM ALL WORK IN A MANNER THAT COMPLIES WITH ALL PERMITS AND IS PROTECTIVE OF THE ENVIRONMENT, INCLUDING AIR AND WATER QUALITY, WILDLIFE, VEGETATION, AND HUMAN HEALTH.
 - CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING VEGETATION, STRUCTURES AND UTILITIES DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES TO PREVENT WIND- OR WATER-BORNE EROSION, AND SEDIMENT LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
 - CONTRACTOR SHOULD ASSUME THAT NO WATER WILL BE PRESENT ONSITE BETWEEN START OF CONSTRUCTION AND OCTOBER 31, 2025. IN THE EVENT THAT STREAM FLOW DOES OCCUR, CONTRACTOR SHALL STOP WORK, VARIATE THE CHANNEL, AND COORDINATE WITH THE PROJECT ENGINEER. ANY WORK STOPPAGE ASSOCIATED WITH STREAM FLOWS SHALL EXTEND PROJECT COMPLETION TIMELINE AND ASSOCIATED LIQUIDATED DAMAGES. ANY ADDITIONAL WORK REQUIRED FOR FLOW MANAGEMENT SHALL BE COVERED IN A CONTRACT MODIFICATION OR FORCE ACCOUNT DURING CONSTRUCTION.

- CONTRACTOR SHALL ELIMINATE OR MINIMIZE NON-STORM DRAINAGE FROM THE CONSTRUCTION SITE TO OTHER WATER BODIES. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN A MANNER THAT MINIMIZES, TO THE EXTENT PRACTICABLE, ANY POLLUTANTS ENTERING DIRECTLY OR INDIRECTLY INTO SURFACE OR GROUND WATER. ALL MATERIALS THAT COULD CAUSE WATER POLLUTION (I.E., MOTOR OIL, FUELS, PAINTS, ETC.) SHALL BE STORED AND USED IN A MANNER THAT WILL NOT CAUSE ANY POLLUTION. ALL DISCHARGED MATERIAL AND ANY ACCIDENTAL SPILLS SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL SITE.
- PROTECT ALL EXISTING IMPROVEMENTS AND VEGETATION NOT SLATED FOR DEMOLITION. PLACE TEMPORARY FENCING, FLAGGING OR EQUIVALENT AT THE PERIMETER OF ALL VEGETATED AREAS AND/OR INDIVIDUAL TREES TO BE PRESERVED, AND ANY OTHER IMPROVEMENTS ONSITE.
- RESTORE ALL DISTURBED UPLAND AREAS BY SEEDING AND APPLYING EROSION CONTROL MEASURES.

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REVISION NO.	DATE	DESCRIPTION			GENERAL NOTES	100% DESIGN		
					PREPARED FOR: 	HUFF'S CORNER IN-CHANNEL REPAIR PROJECT 100% DESIGN		
							PO BOX 29392 OAKLAND, CA 94604 510.842.0538	DRAWN BY: GSMITH CHECKED BY: PFRANK
							DATE: 1/29/2024	SHEET: G2



ACCESS AND STAGING PLAN

SCALE: 1" = 200'
 0 100' 200' 400'

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ACCESS AND STAGING PLAN
**HUFF'S CORNER IN-CHANNEL
 REPAIR PROJECT**
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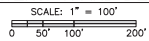
DATE: 1/29/2024	DRAWN BY: GSMITH CHECKED BY: PFRANK
	SHEET: G3

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- NOTES:**
1. THE CONTRACTOR WILL DESIGN AND INSTALL A TEMPORARY COFFERDAM IF RAIN IS FORECASTED AT ANY POINT DURING THE CONSTRUCTION PERIOD, OR IF ANY WATER IS FLOWING IN THE PROJECT AREA AT THE TIME OF CONSTRUCTION.
 2. IF REQUIRED DUE TO THE PRESENCE OF WATER IN THE PROJECT AREA, THE PROJECT AREA WILL BE DEWATERED AS NEEDED TO FACILITATE CONSTRUCTION ACTIVITIES. SUCH WATER WILL BE FILTERED TO REMOVE TURBIDITY AND DISCHARGED DOWNSTREAM OF THE PROJECT AREA.
 3. IF RAIN IS FORECASTED, THE CONTRACTOR SHOULD BE PREPARED TO INSTALL COFFERDAMS AS SPECIFIED IN NOTE 1 TO ISOLATE THE PROJECT AREA AND DIVERSION PIPING TO BYPASS ANY RESULTING FLOWS. THE CONTRACTOR SHOULD CONSULT THE PROJECT ENGINEER PRIOR TO CONSTRUCTION FOR CAPACITY OF DIVERSION PIPING REQUIRED.

CONCEPTUAL DIVERSION AND DEWATERING PLAN



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CONCEPTUAL DIVERSION AND DEWATERING PLAN

HUFF'S CORNER IN-CHANNEL REPAIR PROJECT

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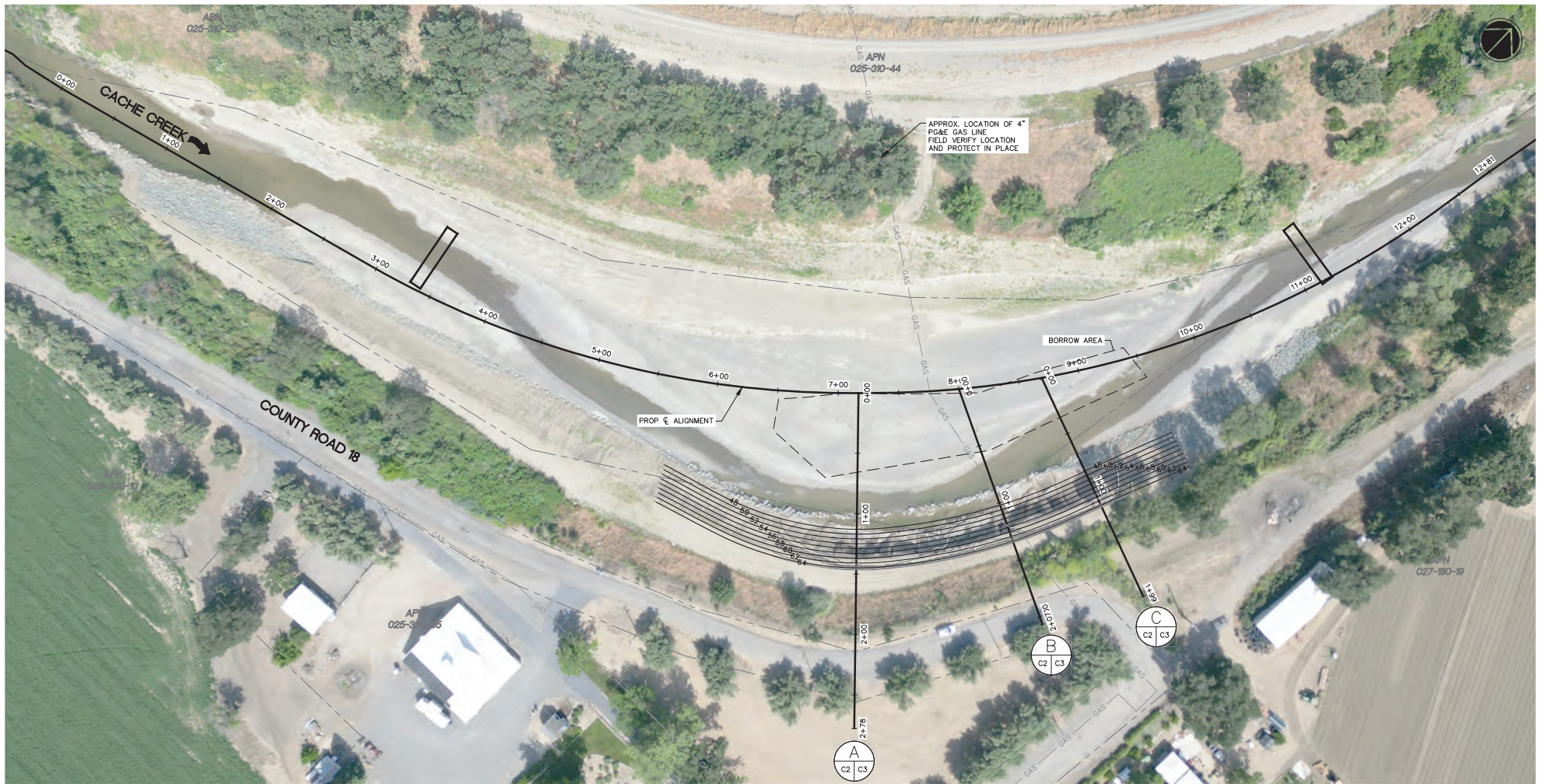
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GRADING PLAN
 SCALE: 1" = 40'

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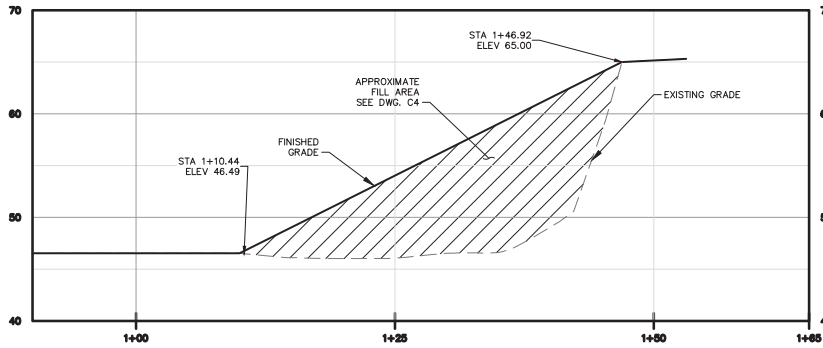


GRADING PLAN
**HUFF'S CORNER IN-CHANNEL
 REPAIR PROJECT**
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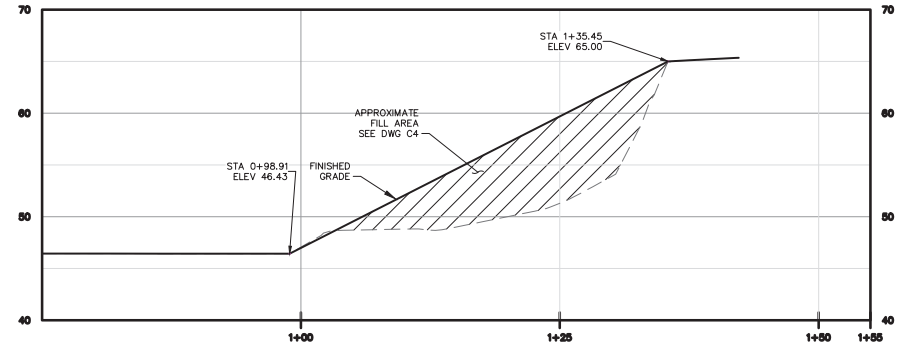
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C1

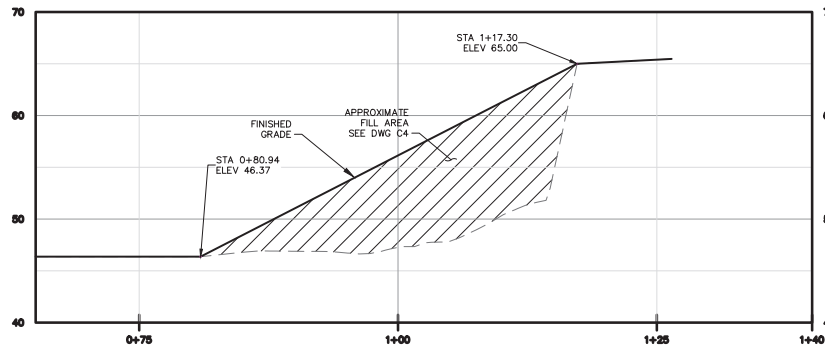
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A
C2 | C3
PROFILE
HORIZONTAL SCALE: 1" = 6'
VERTICAL SCALE: 1" = 10'



B
C2 | C3
PROFILE
HORIZONTAL SCALE: 1" = 6'
VERTICAL SCALE: 1" = 10'



C
C2 | C3
PROFILE
HORIZONTAL SCALE: 1" = 6'
VERTICAL SCALE: 1" = 10'

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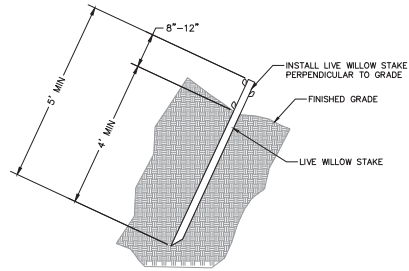


PREPARED FOR:

SECTIONS
**HUFF'S CORNER IN-CHANNEL
REPAIR PROJECT
100% DESIGN**

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DATE: 1/29/2024
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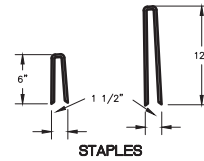
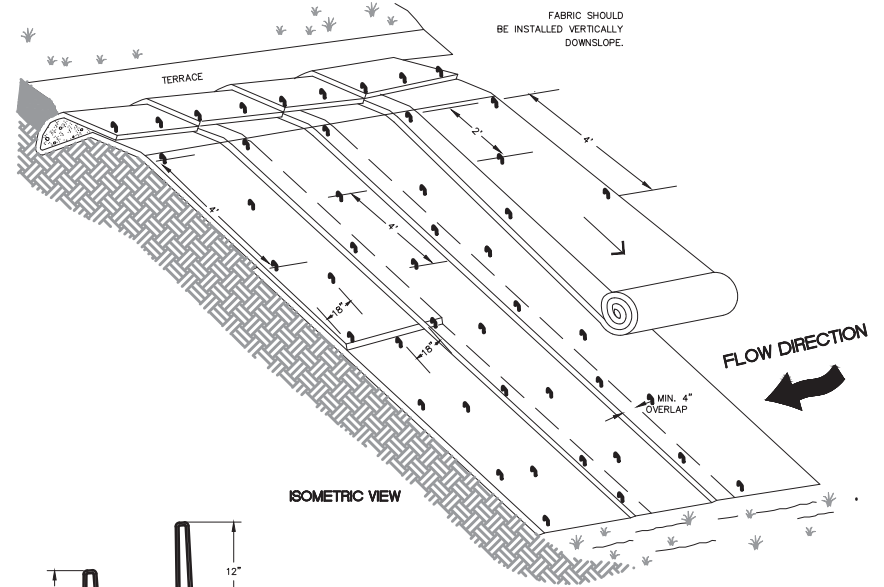
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LIVE WILLOW STAKE NOTES:

1. HARVEST AND PLANT STAKES DURING THE DORMANT SEASON.
2. USE HEALTHY, STRAIGHT, AND LIVE WOOD AT LEAST ONE YEAR OLD, AND MIN 5' LONG.
3. MAKE CLEAN CUTS, AND DO NOT DAMAGE STAKES DURING INSTALLATION.
4. USE A PILOT BAR IN FIRM SOILS.
5. PLANT 4' MIN OF STAKE LENGTH IN THE GROUND.
6. LEAVE 3 TO 5 BUDS SCARS ABOVE THE GROUND.

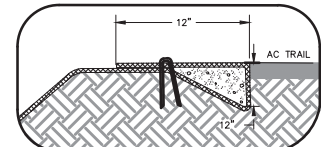
TYPICAL WILLOW STAKING
(NOT TO SCALE)



**TYPICAL SLOPE
SOIL STABILIZATION**

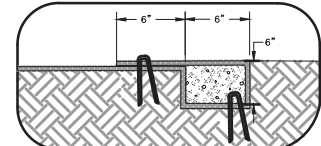
NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, STICK AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY SEEDING BEFORE PLACING FABRIC.
3. LAY FABRIC LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. STAPLE UPSTREAM EDGE AT 12" INTERVALS.



TOP OF SIDE SLOPE DETAIL

NOT TO SCALE



UPSTREAM EDGE DETAIL

TYPICAL SLOPE SOIL STABILIZATION
(NOT TO SCALE)

REVISION NO.	DATE	DESCRIPTION



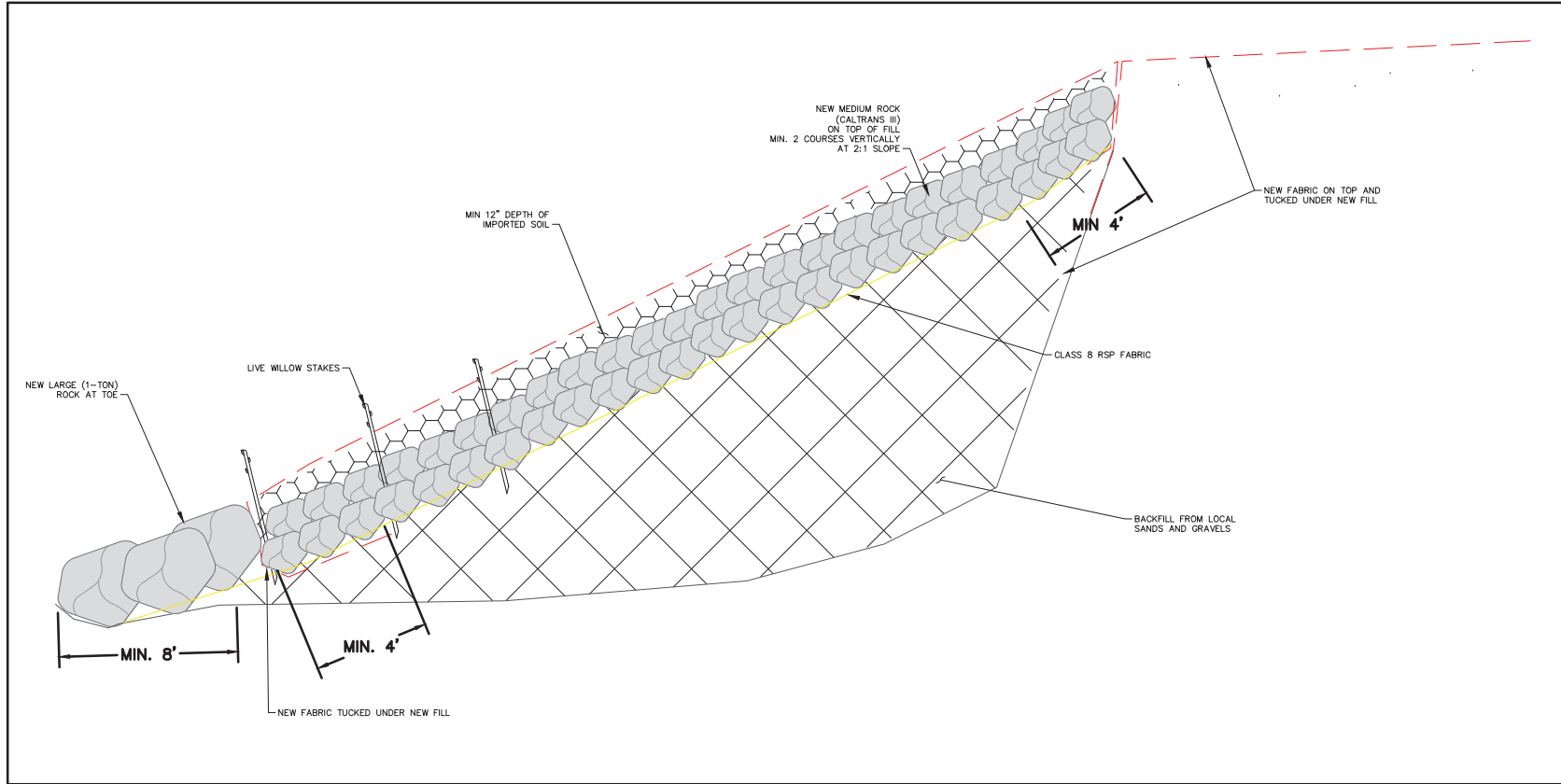
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DETAILS
HUFF'S CORNER IN-CHANNEL
REPAIR PROJECT
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SHEET:
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TYPICAL SLOPE FILL
(NOT TO SCALE)

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DETAILS 2

**HUFF'S CORNER IN-CHANNEL
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 100% DESIGN**

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

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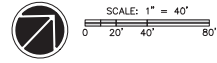
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PLANTING PALETTE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	APPLICATION RATE/SPACING
	SANDBAR WILLOW	SALIX EXIGUA	LIVE STAKES	3 ROWS SPACED 4 FEET VERTICALLY UP SLOPE. PLANTINGS 5 FT ON CENTER IN EACH ROW
	SEED MIX OF 50% CREEPING WILDRYE, 25% MUGWORT, & 25% GUMPLANT	ELYMUS TRITICOIDES ARTEMISIA DOUGLASIANA GRINDELIA CAMPORUM	N/A	30-40 LBS/AC



¹ CREEPING WILDRYE TO BE HYDROSEEDED BEFORE INSTALLING EROSION CONTROL FABRIC

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PLANTING PLAN
HUFF'S CORNER IN-CHANNEL REPAIR PROJECT
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L1

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