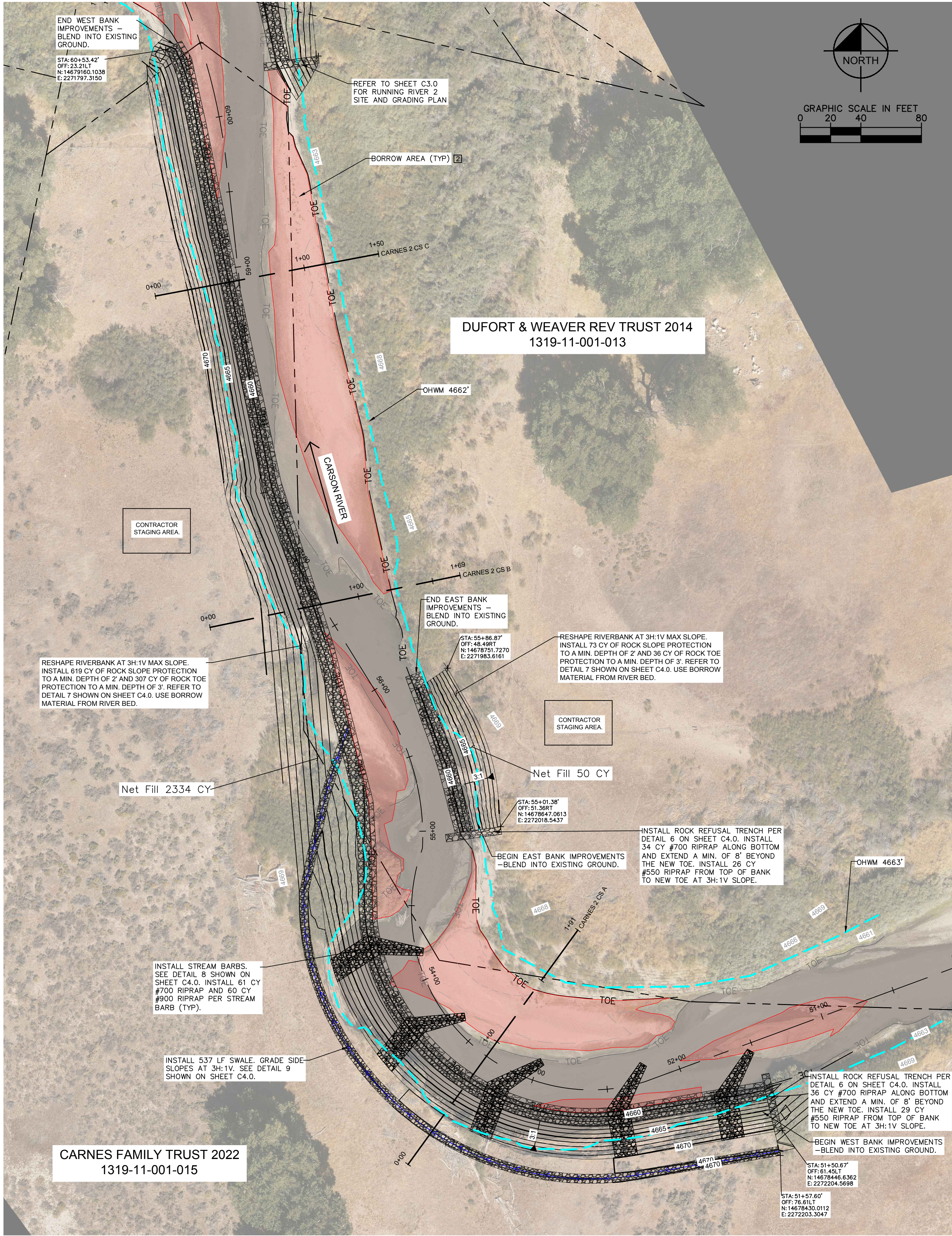


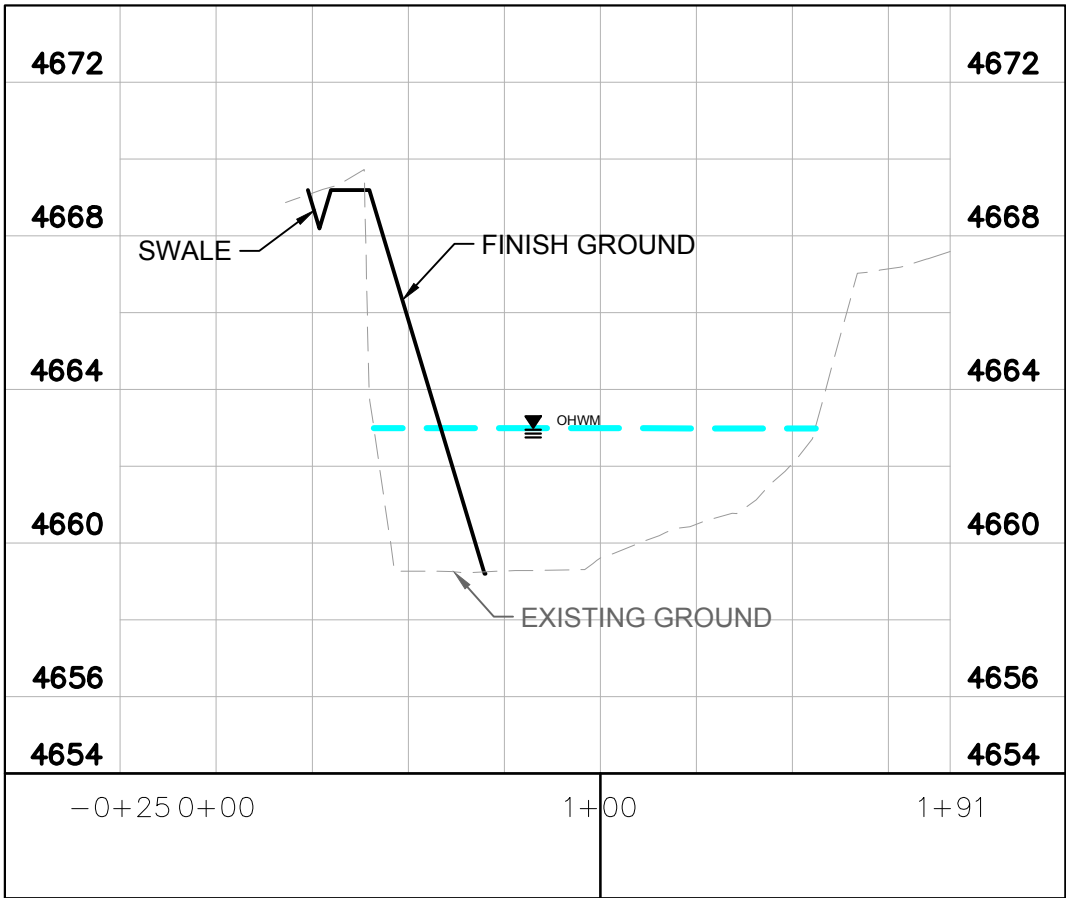
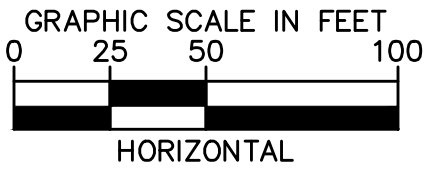
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This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

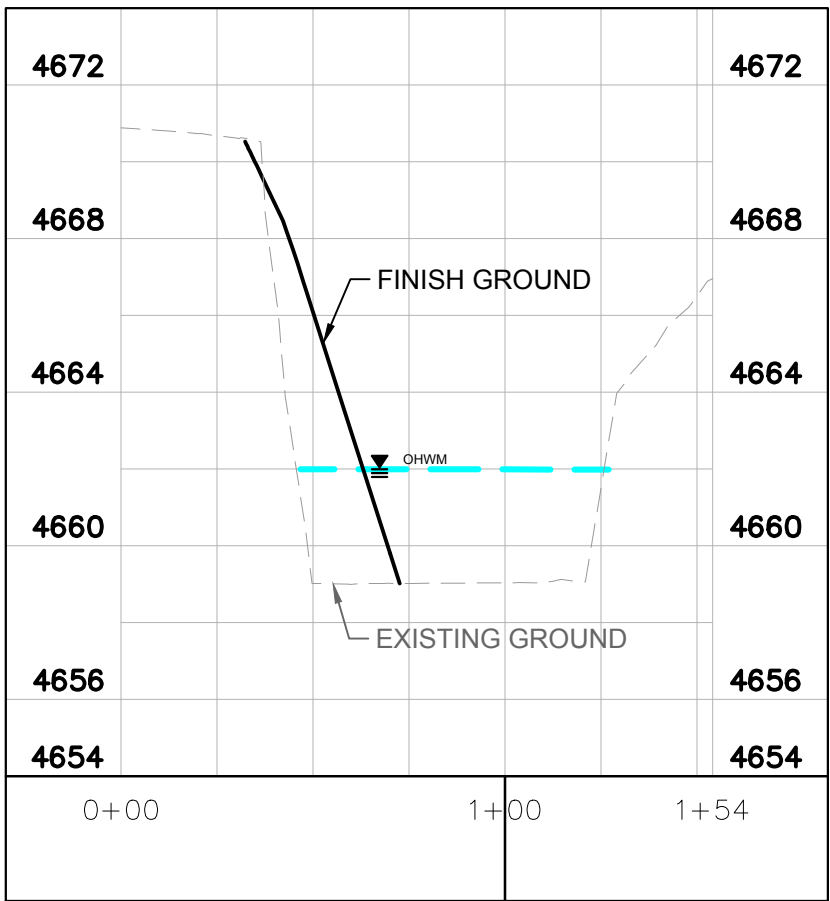


CONSTRUCTION NOTES

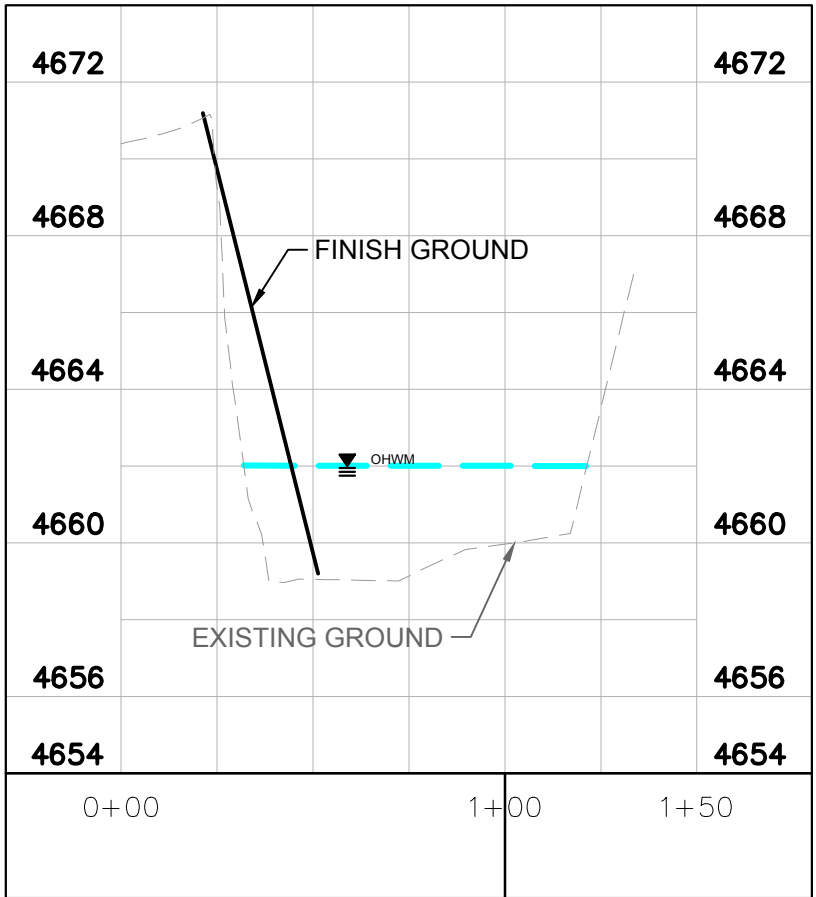
1. REGRADE FAILED RIVER BANKS BY CUTTING/FILLING AS NEEDED FROM PROPOSED CREST LINE AT THE SLOPE NOTED ON PLANS. USE MATERIAL GENERATED FROM THE CUT AS FILL IN CONJUNCTION WITH ADDITIONAL FILL MATERIAL FROM THE BORROW AREAS AS NECESSARY. SEE RIVER BANK REGRADE DETAIL 3 ON C4.0.
2. INSTALL RIPRAP TOE PROTECTION TO A MIN. DEPTH OF 3' USING CLASS 700 ROCK AND INSTALL RIPRAP ON NEWLY GRADED BANKS TO A MIN. HEIGHT OF 2' USING CLASS 300 RIPRAP.
3. DEPTH OF EXCAVATION IN BORROW AREA SHALL NOT EXCEED ELEVATION OF ADJACENT PROPOSED TOE IN PROJECT AREA. TRANSITION FROM BORROW AREA TO EX. UNDISTURBED GROUND SHALL BE MADE AT 5:1 (MAX.) IN A SMOOTH & WORKMAN-LIKE MANNER.
4. PROTECT EXISTING TREES AND RIPARIAN VEGETATION TO THE EXTENT POSSIBLE THROUGHOUT CONSTRUCTION. REMOVAL OF TREES IN EXCESS OF 6" IN DIAMETER IS PROHIBITED WITHOUT OWNER APPROVAL UNLESS OTHERWISE NOTED.



CARNES 2 CS A



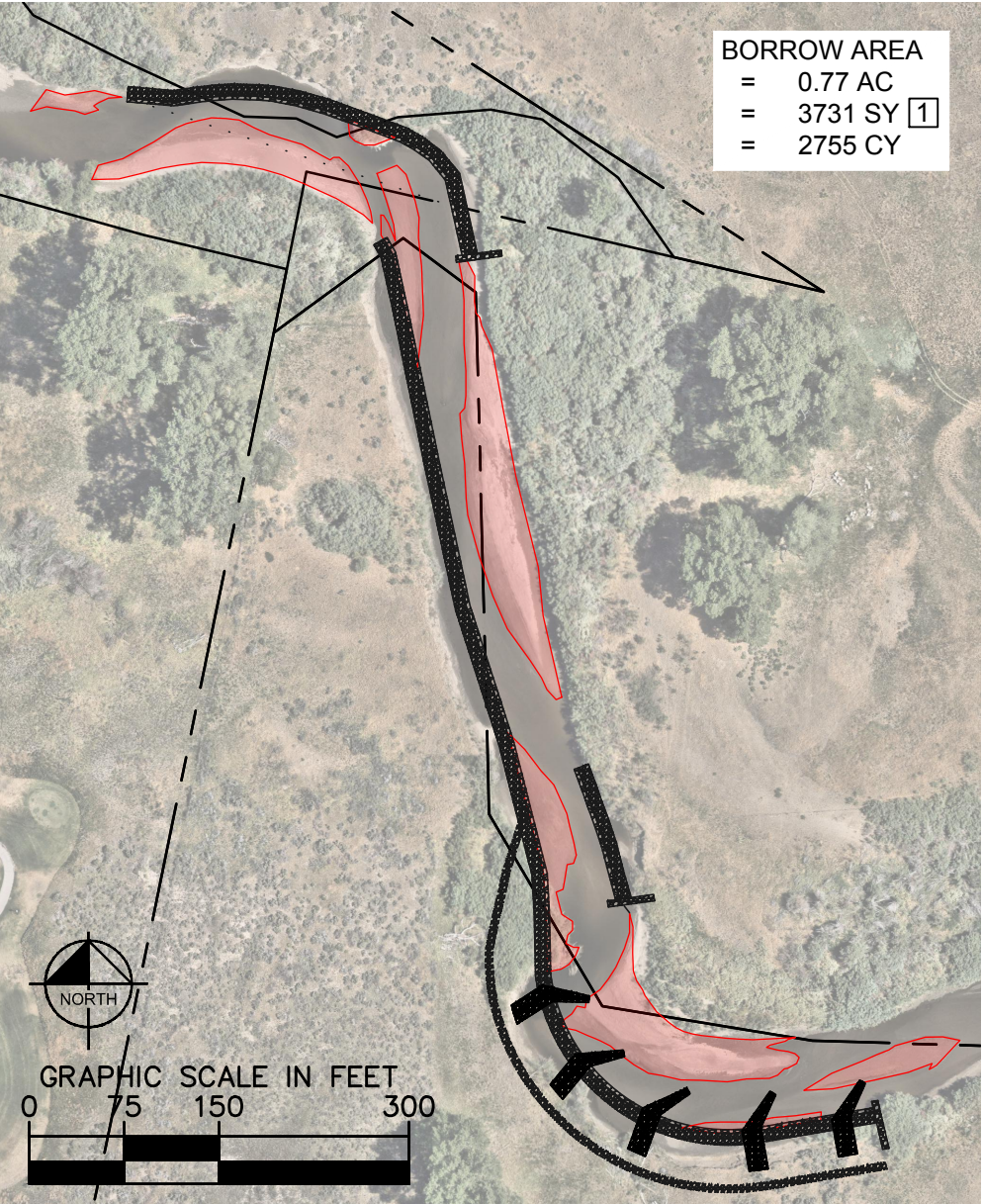
CARNES 2 CS B



CARNES 2 CS C

LEGEND

- ROCK SLOPE PROTECTION AND REFUSAL TRENCH
- ROCK TOE PROTECTION
- BORROW/CUT AREA
- PROPERTY LINES
- EXISTING TOE OF SLOPE
- PROPOSED TOE OF SLOPE
- HISTORICAL ORDINARY HIGH WATER MARK (OHWM)
- SWALE FLOW LINE
- EXISTING - MINOR CONTOUR - ONE FOOT INTERVAL
- PROPOSED - MAJOR CONTOUR - FIVE FOOT INTERVAL
- PROPOSED - MINOR CONTOUR - ONE FOOT INTERVAL



ADDITIONAL BORROW AREAS

GENERAL NOTES

1. BORROW AREA AND BORROW VOLUME ARE CUMULATIVE OF RUNNING RIVER 2 AND CARNES 2 SITES. EXCAVATE TO AN AVERAGE DEPTH OF 2.24' TO MAINTAIN A 1:1 CUT AND FILL RATIO ACROSS BOTH SITES. SEE SHEET C3.0 FOR RUNNING RIVER 2 SITE AND GRADING PLAN.
2. BORROW AREAS ARE APPROXIMATED USING AERIAL IMAGERY FROM JULY 2025. THE CONTRACTOR SHALL DETERMINE ACTUAL QUANTITIES OF WORK ASSOCIATED WITH THE PROJECT.

ESTIMATED QUANTITIES

EARTH WORK: 1.01 AC (±1084.99 L.F. AT TOP OF SLOPE)
CUT = 803 CY
FILL = 3187 CY
NET FILL = 2384 CY

EARTH WORK BELOW OHWM:
CUT = 18 CY
FILL = 2632 CY
NET FILL = 2614 CY

CLASS 300 ROCK= 692 CY
CLASS 550 ROCK= 55 CY
CLASS 700 ROCK= 719 CY
CLASS 900 ROCK= 302 CY
NO. OF STREAM BARBS = 5

- NOTE:
1. EARTHWORK CALCULATIONS ARE BASED ON SURFACE TO SURFACE, UNADJUSTED ANALYSIS.
 2. NO GUARANTEE IS MADE CONCERNING THE ACCURACY OF THE ESTIMATED QUANTITIES. THE CONTRACTOR SHALL DETERMINE ACTUAL QUANTITIES OF WORK ASSOCIATED WITH THE PROJECT.
 3. THE BORROW AREAS AND ASSOCIATED CUT ARE NOT INCLUDED IN THIS EARTHWORK ESTIMATE.
 4. ROCK ESTIMATES ARE BASED ON APPROXIMATE ROCK SLOPE PROTECTION, ROCK TOE PROTECTION, ROCK REFUSAL TRENCH, AND STREAM BARB VOLUMES.



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
7900 RANCHARRAH PARKWAY, SUITE 100, RENO, NV 89511
PHONE: 775-453-6972
WWW.KIMLEY-HORN.COM

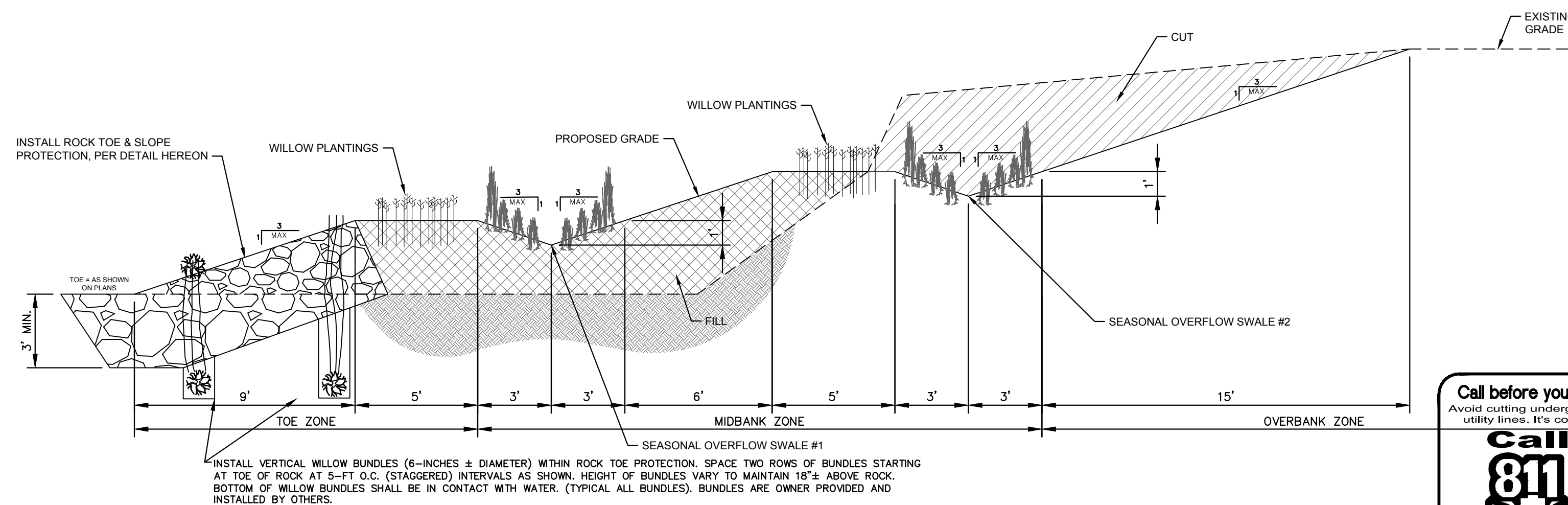
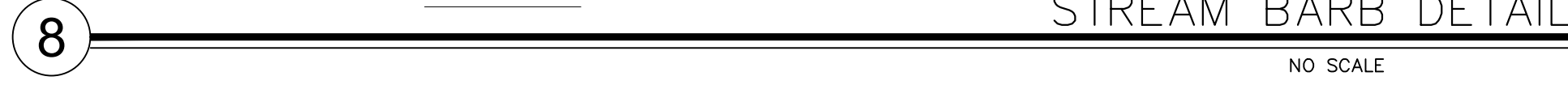
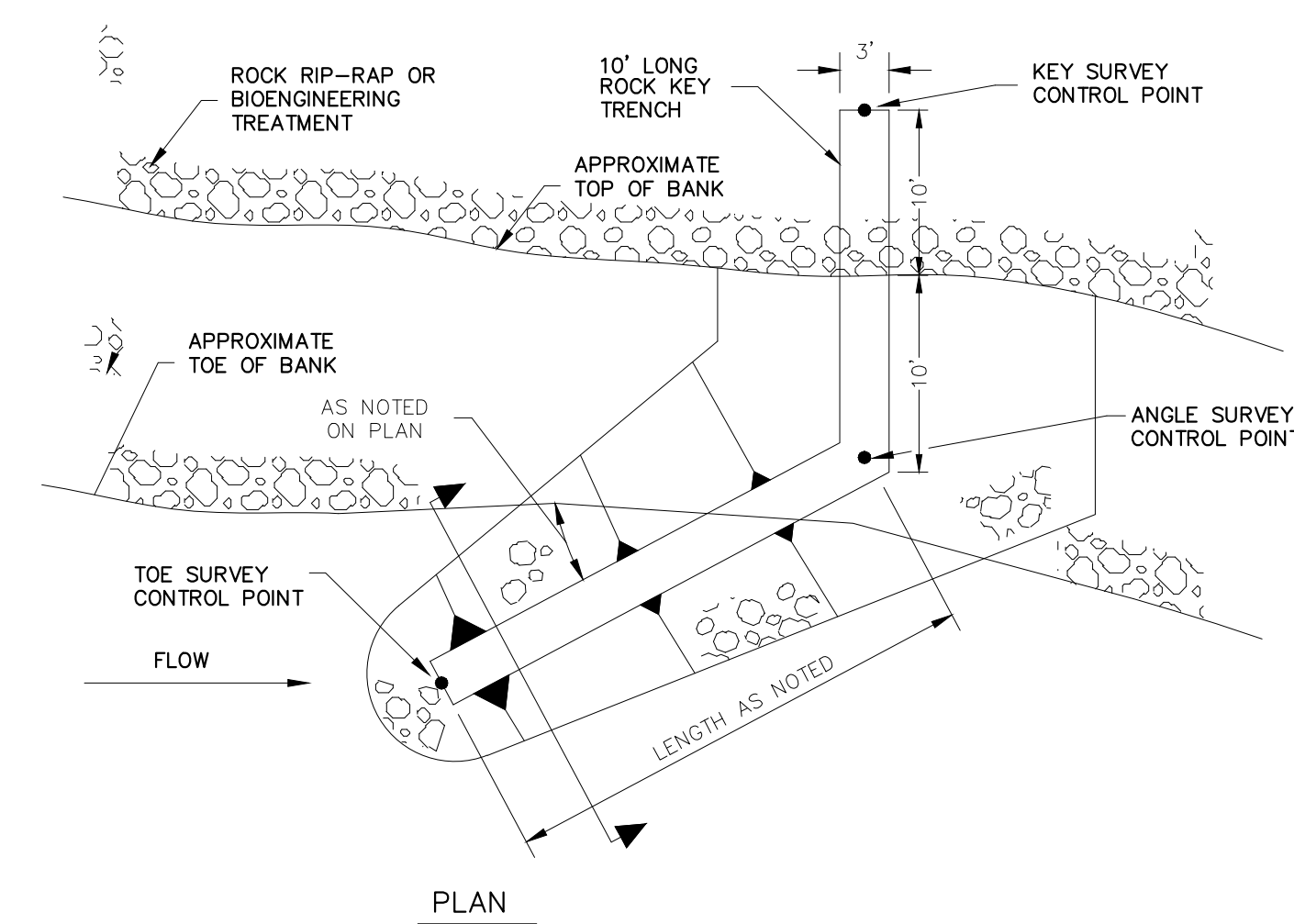
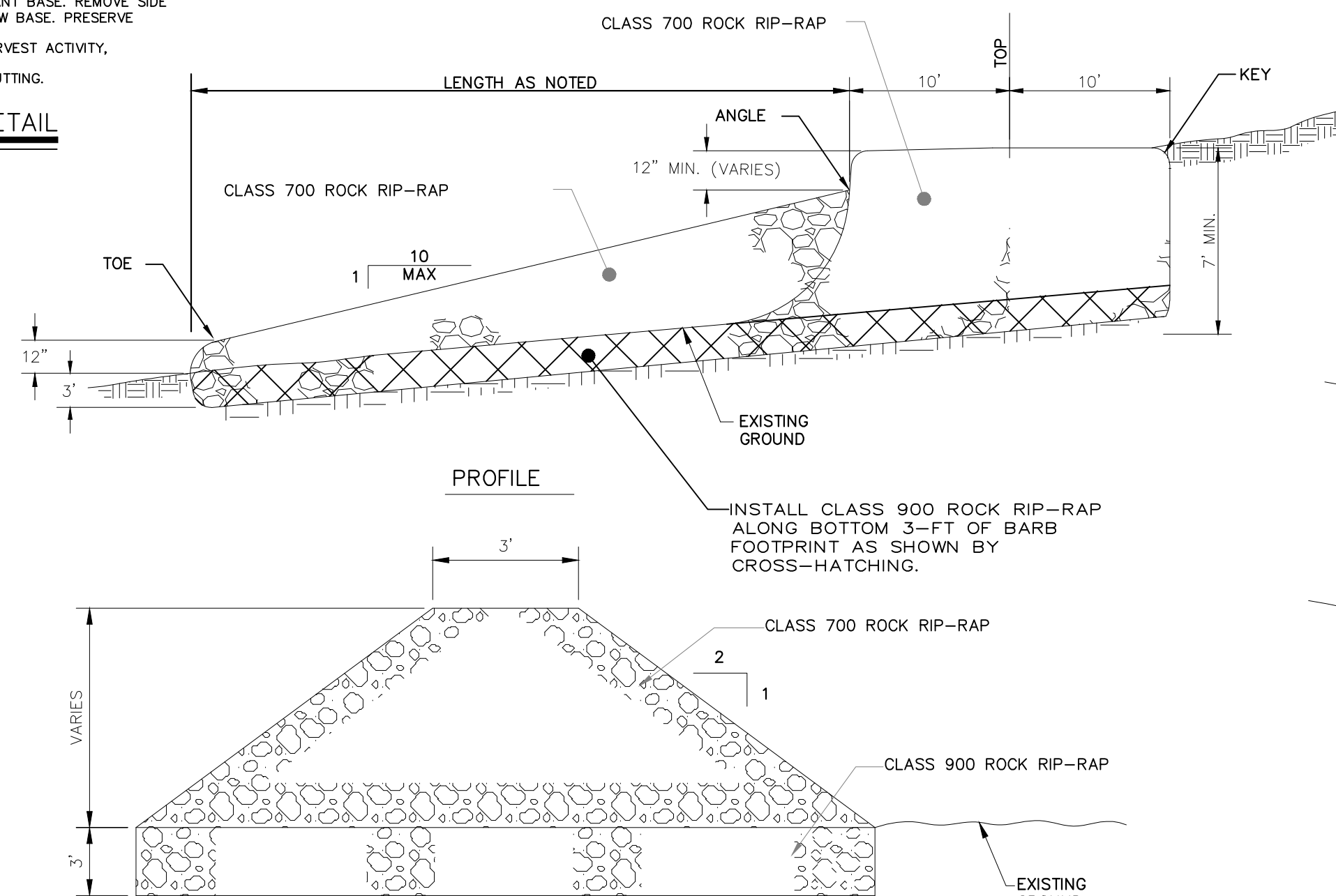
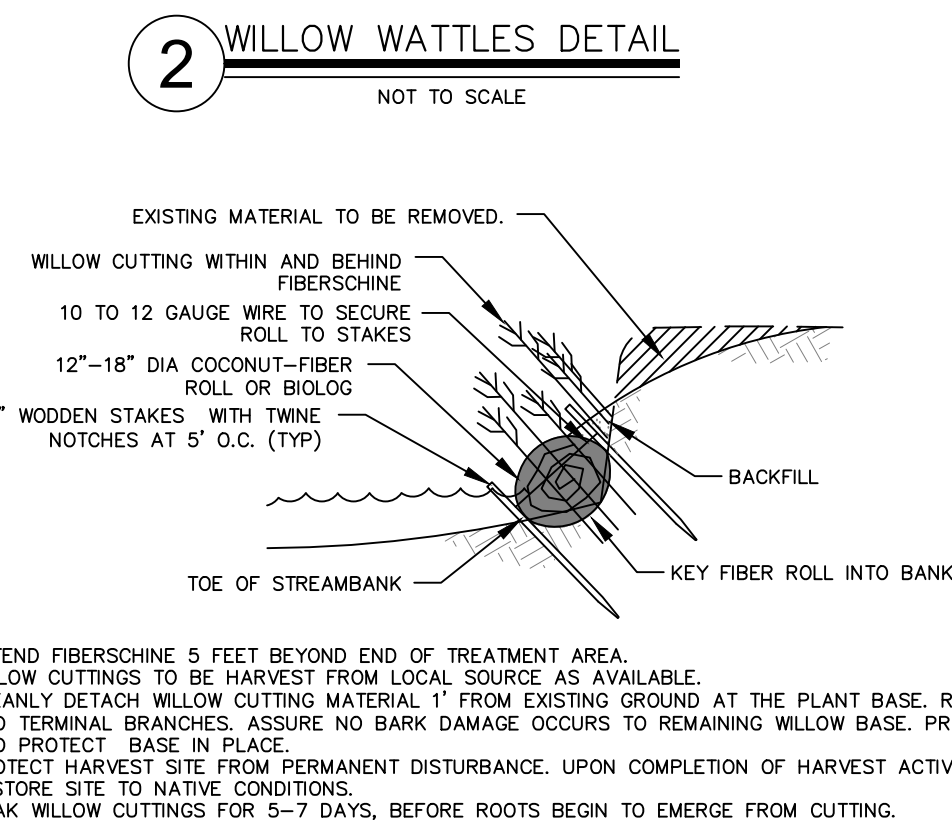
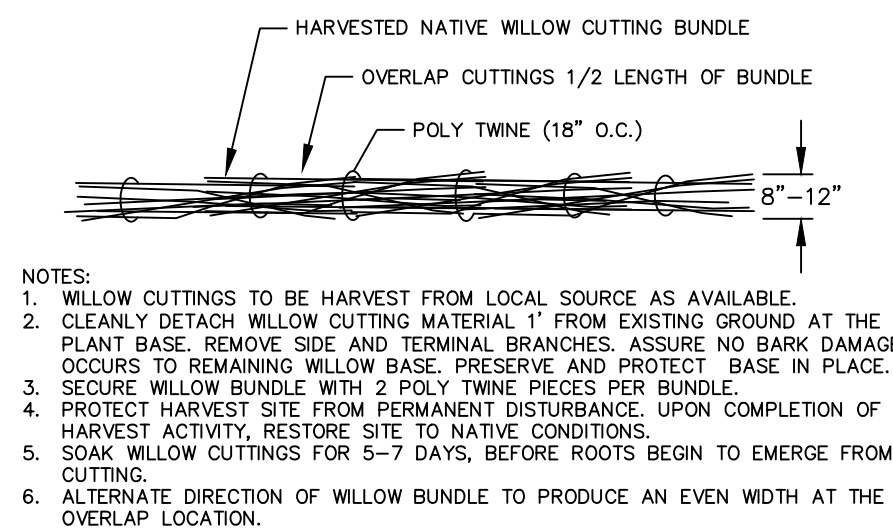


KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
192407100	8/15/2025	AS SHOWN	SG	HR	SG

CARNES 2 SITE AND GRADING PLAN

GENOA PHASE IV 2025
CARSON RIVER
RESTORATION PROJECTS
GENOA, NEVADA

SHEET NUMBER
C3.1



1. MEAN STONE SIZE.

TABLE 200.07-04-2

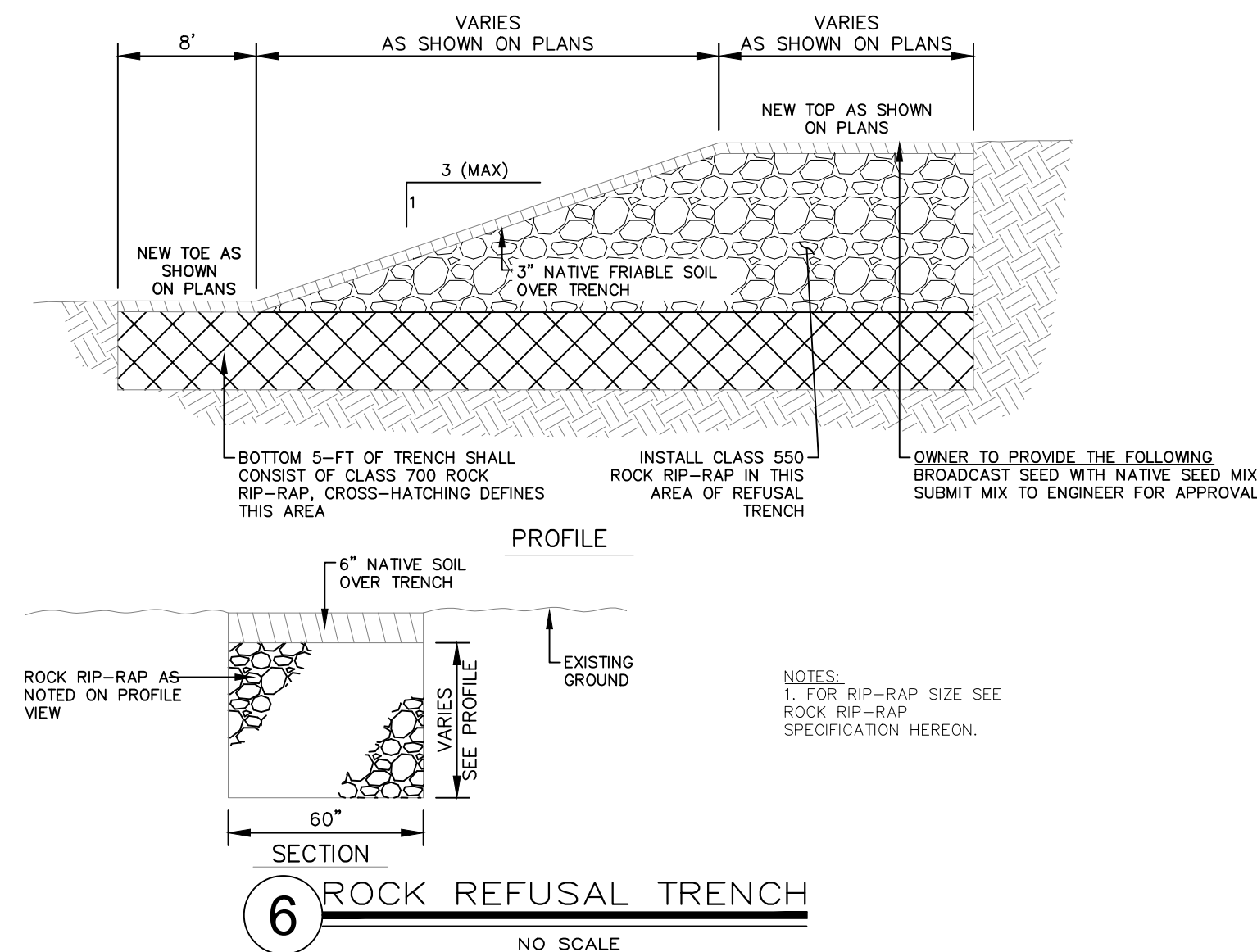
Test	Test Method	Requirements
Resistance to Wear (percent)	ASTM C 535 (1)	45 Maximum
Absorption (percent)	ASTM C 127	4.2 Maximum
Apparent Specific Gravity	ASTM C 97	2.5 Minimum (2)
Durability	ASTM D 3744	52 Minimum

1. 500 REVOLUTIONS

2. RIP-RAP WITH A SPECIFIC GRAVITY OF LESS THAN 2.5 WILL NOT BE ALLOWED.

3. RIP-RAP SHALL BE QUARRIED WITH FRACTURED FACES.

4. RIP-RAP SHALL HAVE AN EARTH TONE WHICH BLENDS WITH SURROUNDING ENVIRONMENT



Test	Test Method	Requirements
Resistance to Wear (percent)	ASTM C 535 (1)	45 Maximum
Absorption (percent)	ASTM C 127	4.2 Maximum
Apparent Specific Gravity	ASTM C 97	2.5 Minimum (2)
Durability	ASTM D 3744	52 Minimum



CLASS 700 ROCK RIP-RAP

LENGTH AS NOTED

10'

TOP

10'

ANGLE

12" MIN. (VARIES)

ROCK RIP-RAP

1 10 MAX

EXISTING GROUND

PROFILE

3'

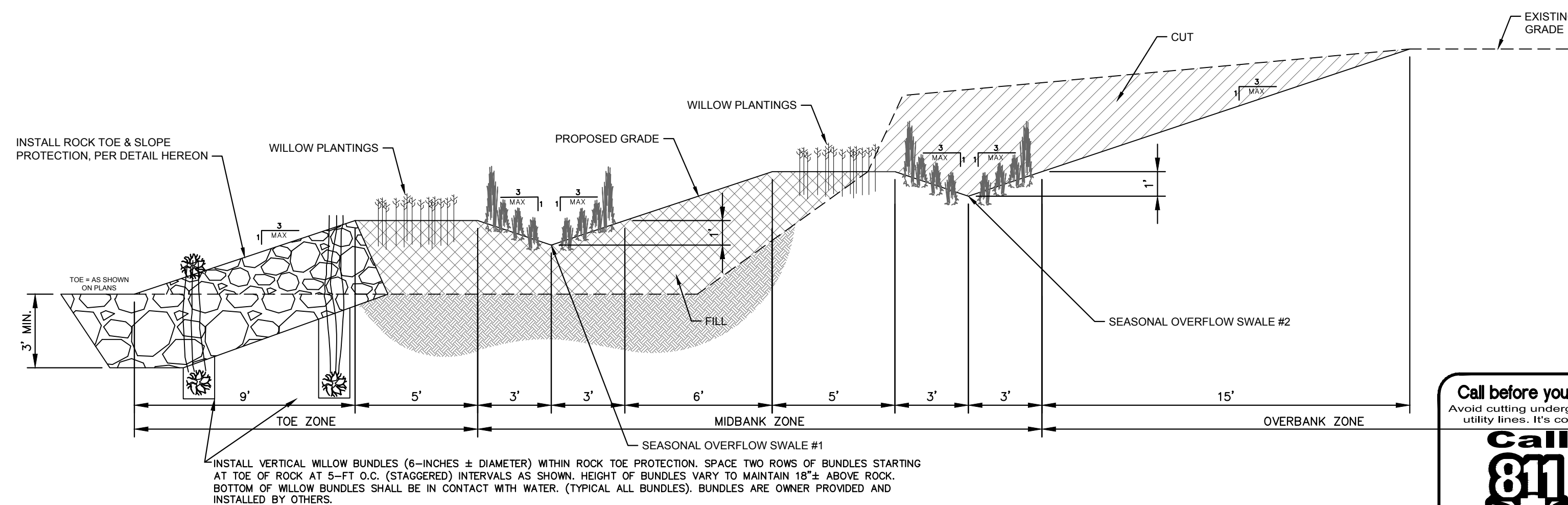
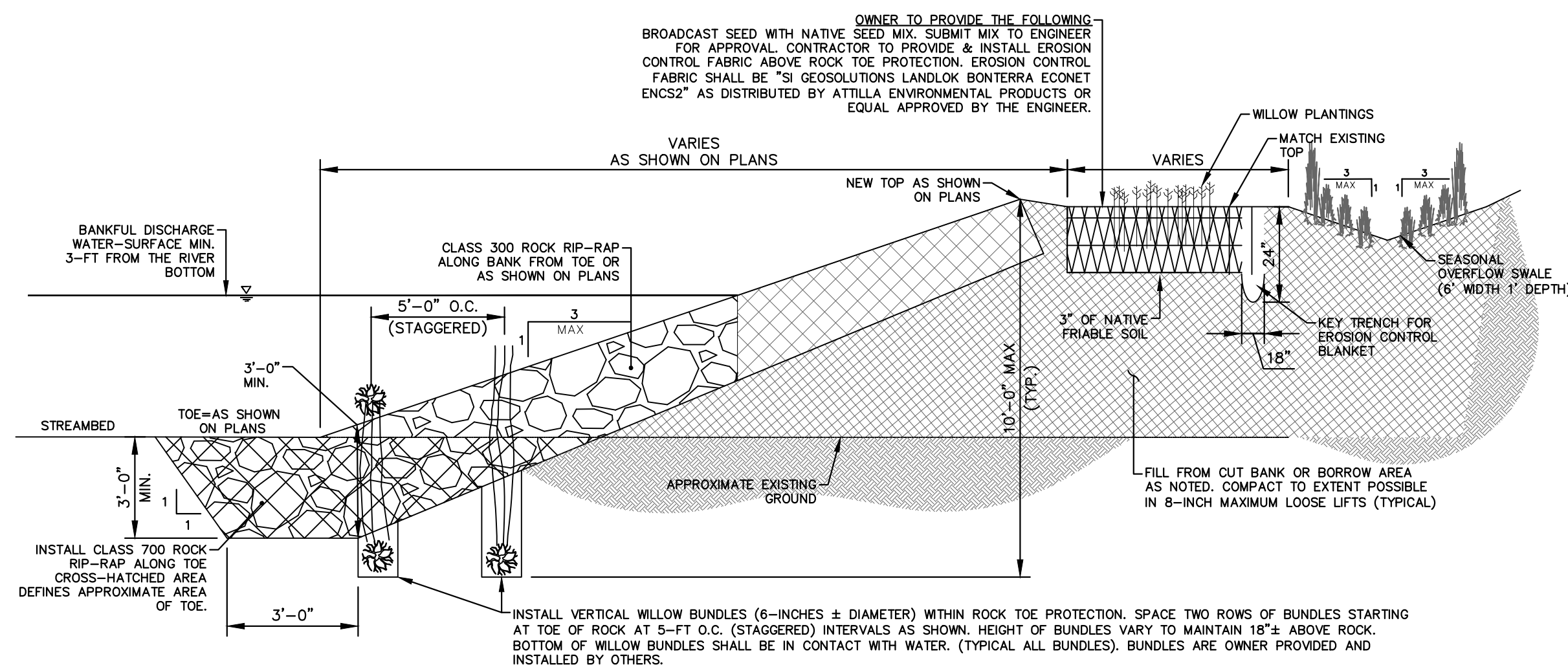
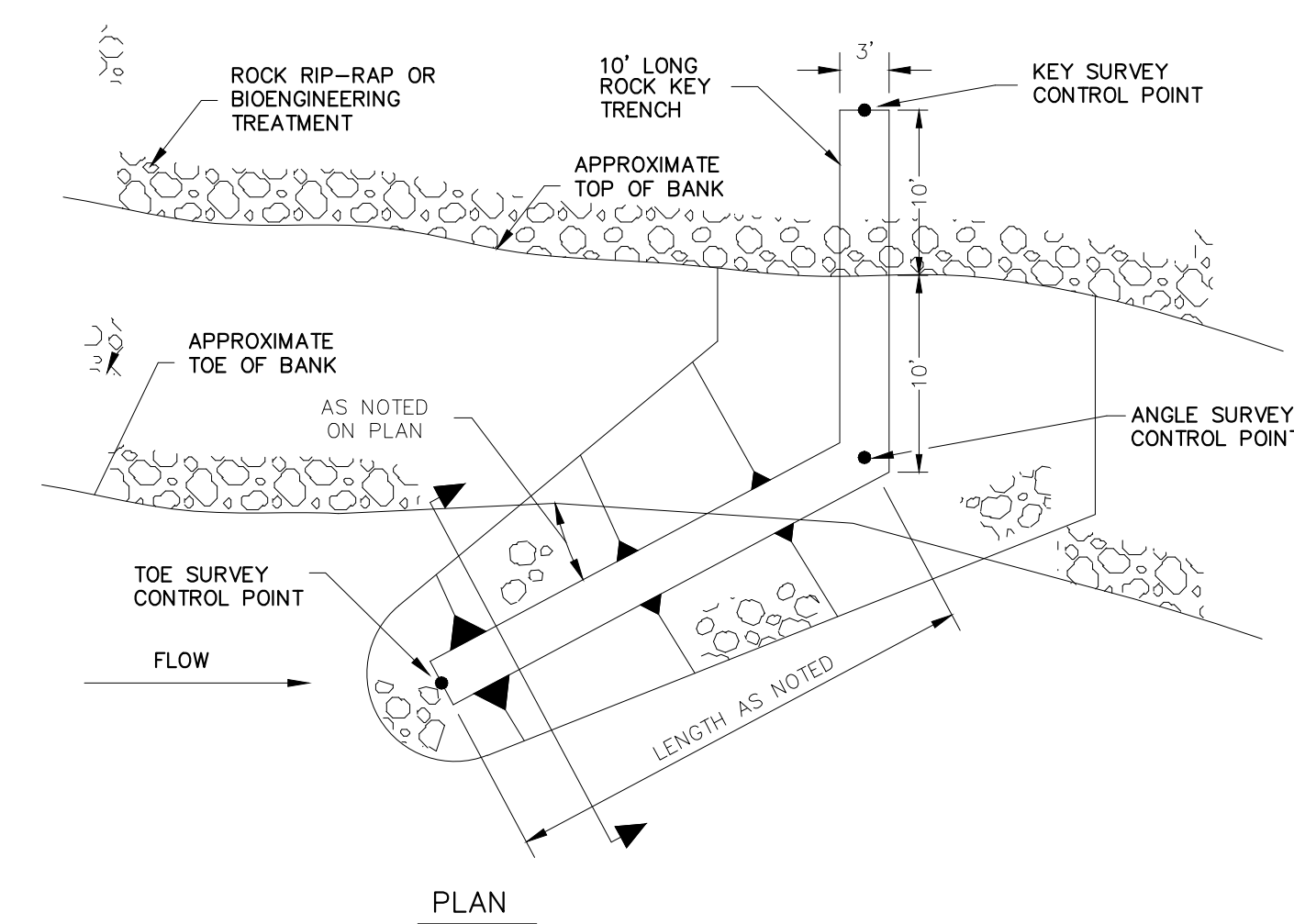
INSTALL CLASS 900 ROCK RIP-RAP ALONG BOTTOM 3'-FT OF BARB FOOTPRINT AS SHOWN BY CROSS-HATCHING.

CLASS 700 ROCK RIP-RAP

2 1

CLASS 900 ROCK RIP-RAP

EXISTING



SHEET NUMBER
C5.1