

San Bernardino Valley Water Conservation District

CONSTRUCTION PLANS FOR

Plunge Creek

Conservation Project

MARCH 2016

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GENERAL NOTES

1. TOPOGRAPHY BASED ON 2013 LIDAR SURVEY, SAN BERNARDINO COUNTY
2. AERIAL IMAGERY SOURCE: USGS, 2015.
3. CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
4. THE ENGINEER MAY MAKE MINOR CHANGES TO THE CONFIGURATION AND DESIGN GRADES OF ACCESS ROUTES AND PROJECT FEATURES IN THE FIELD.
5. NO TREES ARE DESIGNATED FOR REMOVAL. IF FIELD CONDITIONS INDICATE THE NEED FOR TREE REMOVAL, PRIOR APPROVAL IS REQUIRED FROM THE DISTRICT.
6. NO GRADING OR MATERIAL DELIVERY SHALL OCCUR PRIOR TO INSTALLATION OF APPROVED SOIL AND EROSION CONTROL BMPs.
7. CONSTRUCTION OPERATIONS SHALL CONFORM TO THE APPROVED SWPPP AND PROJECT PERMITS.
8. WORK WILL BE PERFORMED BETWEEN THE HOURS OF 8 AM TO 6 PM, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE APPROVED.
9. EXCAVATED MATERIAL WILL BE DISPOSED OF ENTIRELY ON SITE.

PROJECT MANAGER

Jeffrey Beehler
San Bernardino Valley Water Conservation District

APPROVED BY:

Jeffrey Beehler (date)

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(date)



Know what's below.
Call before you dig.

LEGEND

EXISTING TREES	
EXISTING PAVED ROAD	
EXISTING GRAVEL ROAD	
EXISTING CONTOURS (MAJOR)	
EXISTING CONTOURS (MINOR)	
EXISTING FENCE	
EXISTING EDGE OF WATER (00/00/00)	
EXISTING BUILDINGS & STRUCTURES	
PROPOSED EARTHWORK	
CONSTRUCTION BASELINE	
PRESERVATION FENCE	
PRESERVATION FENCE WITH SILT BARRIER	
HORIZONTAL AND VERTICAL CONTROL POINT	
HORIZONTAL CONTROL POINT	
VERTICAL CONTROL POINT	



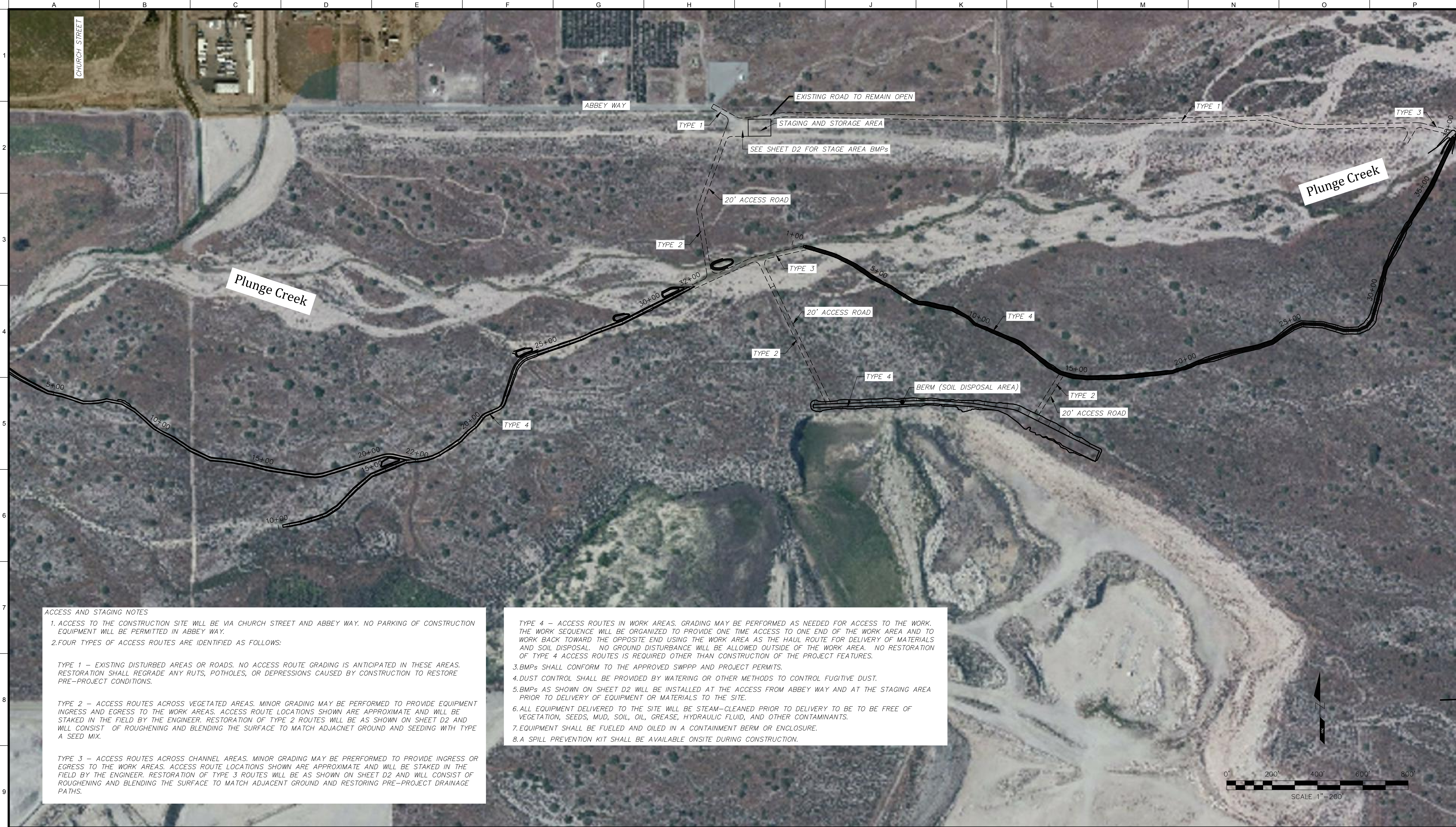
Vicinity Map



Drawing Name PLUNGE CREEK COVER	Date 10 March 2016 16:41
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	Checked eew
	Job Number 6000208
	Sheet Number

Sheet 1 of 14

T1



ACCESS AND STAGING NOTES

1. ACCESS TO THE CONSTRUCTION SITE WILL BE VIA CHURCH STREET AND ABBEY WAY. NO PARKING OF CONSTRUCTION EQUIPMENT WILL BE PERMITTED IN ABBEY WAY.
2. FOUR TYPES OF ACCESS ROUTES ARE IDENTIFIED AS FOLLOWS:

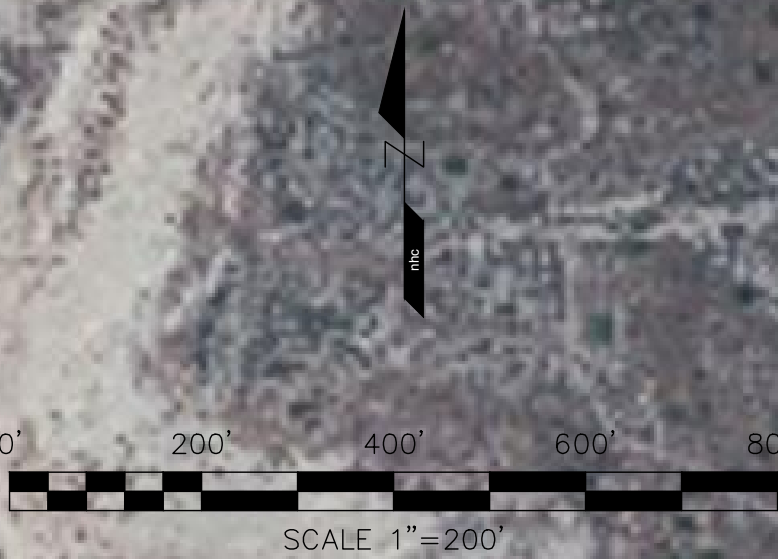
TYPE 1 – EXISTING DISTURBED AREAS OR ROADS. NO ACCESS ROUTE GRADING IS ANTICIPATED IN THESE AREAS. RESTORATION SHALL REGRADE ANY RUTS, POTHOLES, OR DEPRESSIONS CAUSED BY CONSTRUCTION TO RESTORE PRE-PROJECT CONDITIONS.

TYPE 2 – ACCESS ROUTES ACROSS VEGETATED AREAS. MINOR GRADING MAY BE PERFORMED TO PROVIDE EQUIPMENT INGRESS AND EGRESS TO THE WORK AREAS. ACCESS ROUTE LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE STAKED IN THE FIELD BY THE ENGINEER. RESTORATION OF TYPE 2 ROUTES WILL BE AS SHOWN ON SHEET D2 AND WILL CONSIST OF ROUGHENING AND BLENDING THE SURFACE TO MATCH ADJACNET GROUND AND SEEDING WITH TYPE A SEED MIX.

TYPE 3 – ACCESS ROUTES ACROSS CHANNEL AREAS. MINOR GRADING MAY BE PRERFORMED TO PROVIDE INGRESS OR EGRESS TO THE WORK AREAS. ACCESS ROUTE LOCATIONS SHOWN ARE APPROXIMATE AND WILL BE STAKED IN THE FIELD BY THE ENGINEER. RESTORATION OF TYPE 3 ROUTES WILL BE AS SHOWN ON SHEET D2 AND WILL CONSIST OF ROUGHENING AND BLENDING THE SURFACE TO MATCH ADJACENT GROUND AND RESTORING PRE-PROJECT DRAINAGE PATHS.

TYPE 4 – ACCESS ROUTES IN WORK AREAS. GRADING MAY BE PERFORMED AS NEEDED FOR ACCESS TO THE WORK. THE WORK SEQUENCE WILL BE ORGANIZED TO PROVIDE ONE TIME ACCESS TO ONE END OF THE WORK AREA AND TO WORK BACK TOWARD THE OPPOSITE END USING THE WORK AREA AS THE HAUL ROUTE FOR DELIVERY OF MATERIALS AND SOIL DISPOSAL. NO GROUND DISTURBANCE WILL BE ALLOWED OUTSIDE OF THE WORK AREA. NO RESTORATION OF TYPE 4 ACCESS ROUTES IS REQUIRED OTHER THAN CONSTRUCTION OF THE PROJECT FEATURES.

3. BMPs SHALL CONFORM TO THE APPROVED SWPPP AND PROJECT PERMITS.
4. DUST CONTROL SHALL BE PROVIDED BY WATERING OR OTHER METHODS TO CONTROL FUGITIVE DUST.
5. BMPs AS SHOWN ON SHEET D2 WILL BE INSTALLED AT THE ACCESS FROM ABBEY WAY AND AT THE STAGING AREA PRIOR TO DELIVERY OF EQUIPMENT OR MATERIALS TO THE SITE.
6. ALL EQUIPMENT DELIVERED TO THE SITE WILL BE STEAM-CLEANED PRIOR TO DELIVERY TO BE TO BE FREE OF VEGETATION, SEEDS, MUD, SOIL, OIL, GREASE, HYDRAULIC FLUID, AND OTHER CONTAMINANTS.
7. EQUIPMENT SHALL BE FUELED AND OILED IN A CONTAINMENT BERM OR ENCLOSURE.
8. A SPILL PREVENTION KIT SHALL BE AVAILABLE ONSITE DURING CONSTRUCTION.



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Plunge Creek Conservation Project

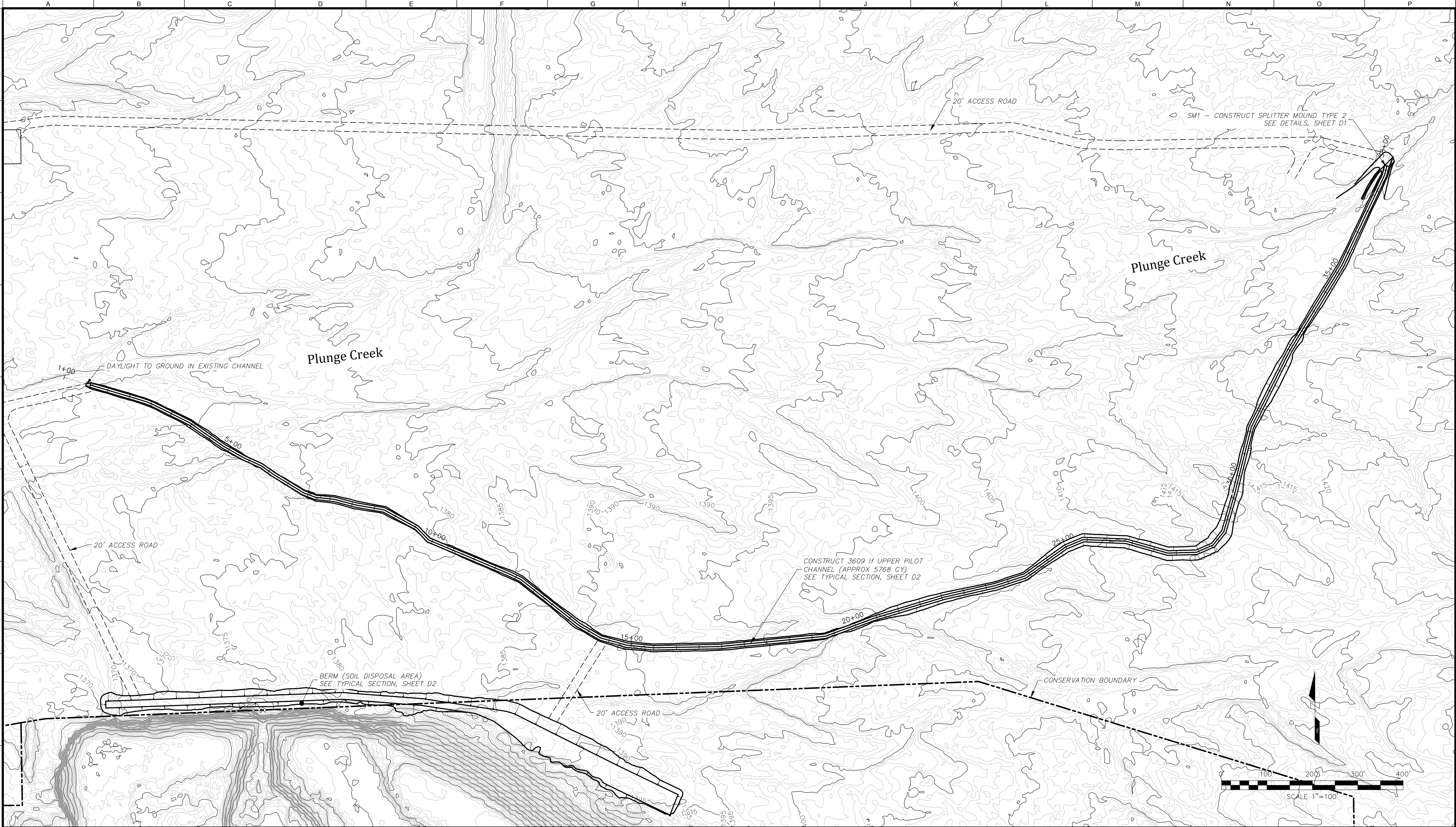
Access & Staging Sheet

Job Number
6000208

Sheet Number

G1

Sheet 2 of 14





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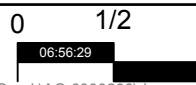
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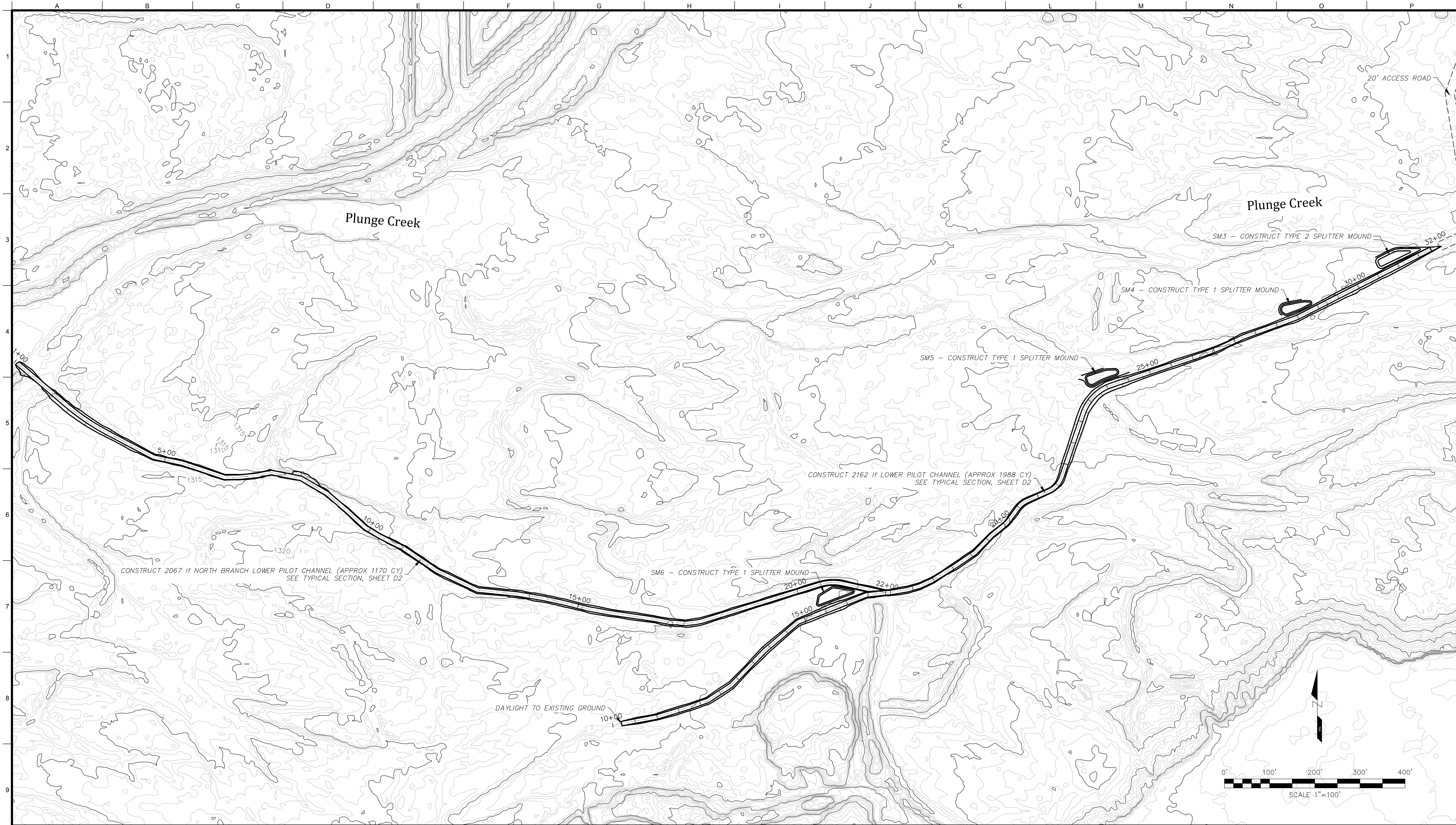
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Upper Pilot Channel Plan Sheet

Job Number
6000208

Sheet Number
C1

Sheet 3 of 14



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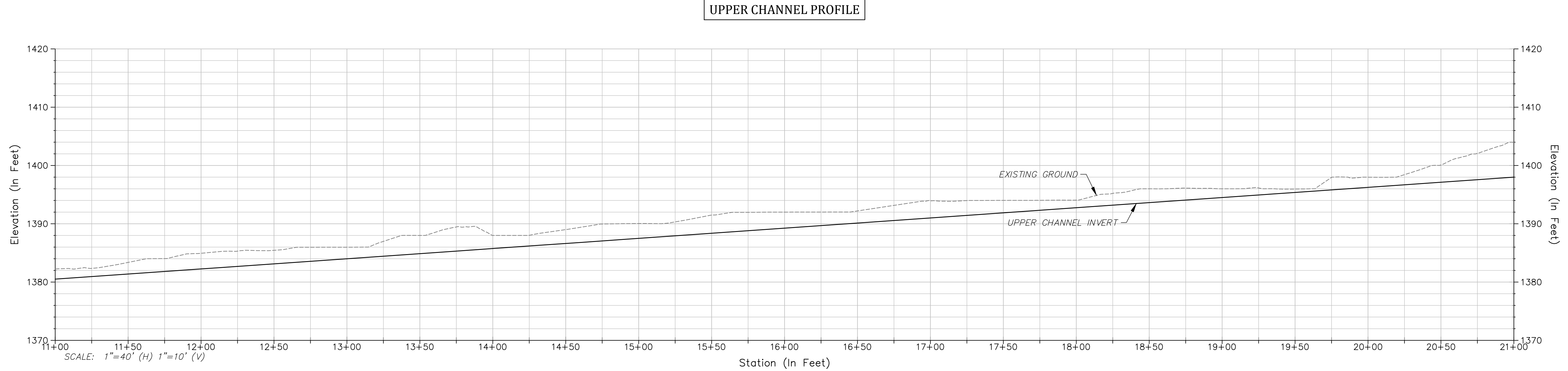
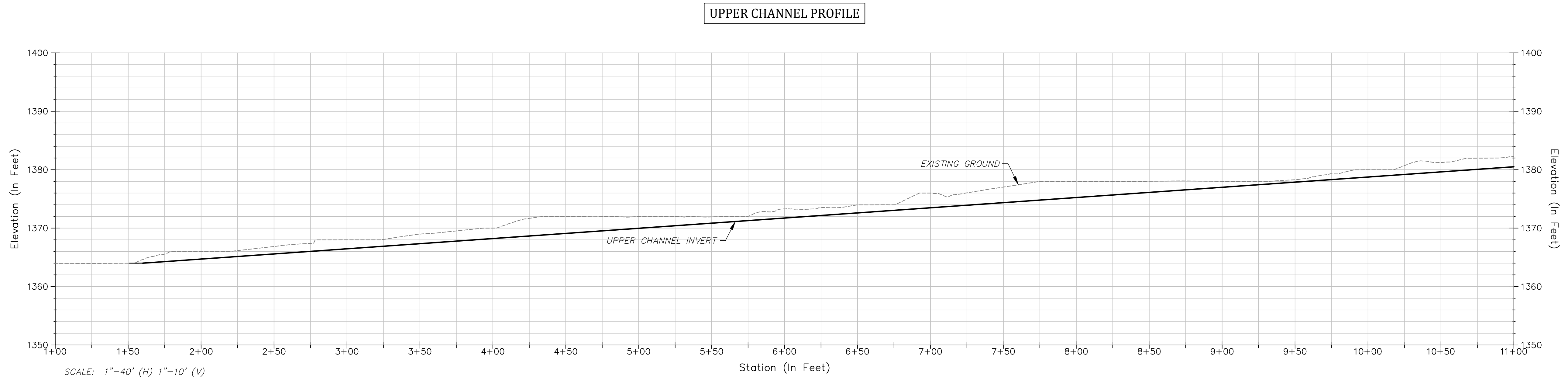


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Plunge Creek Conservation Project
Lower Pilot Channel Plan Sheet

Job Number
6000208
Sheet Number
C2
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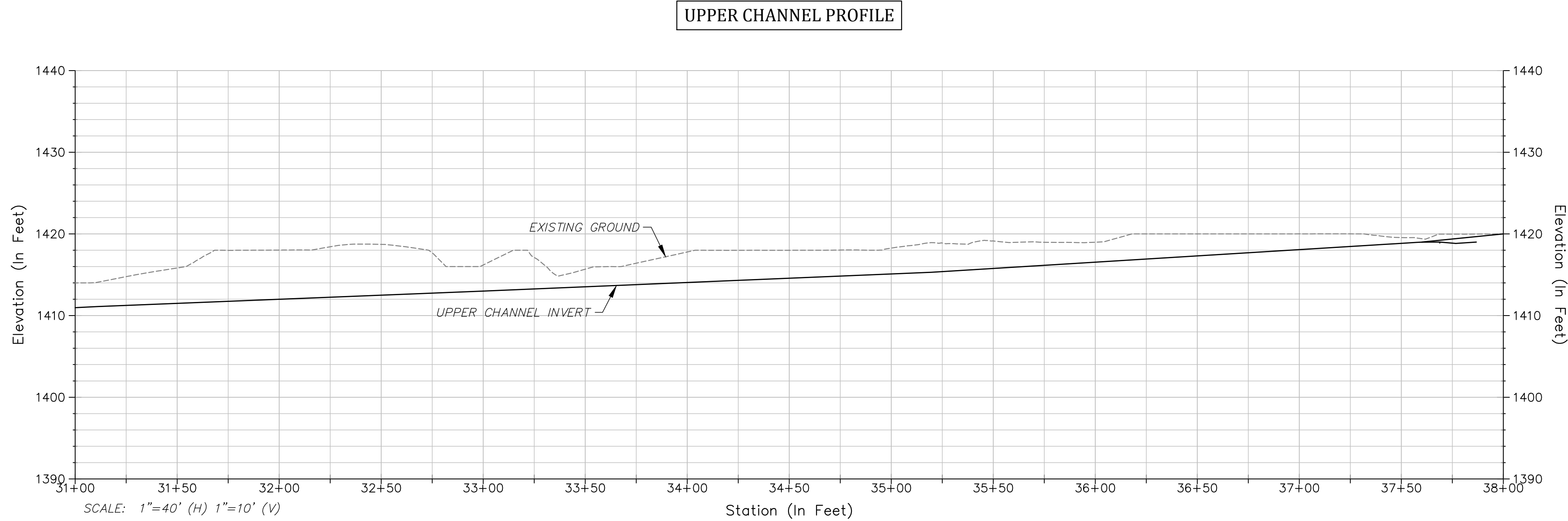
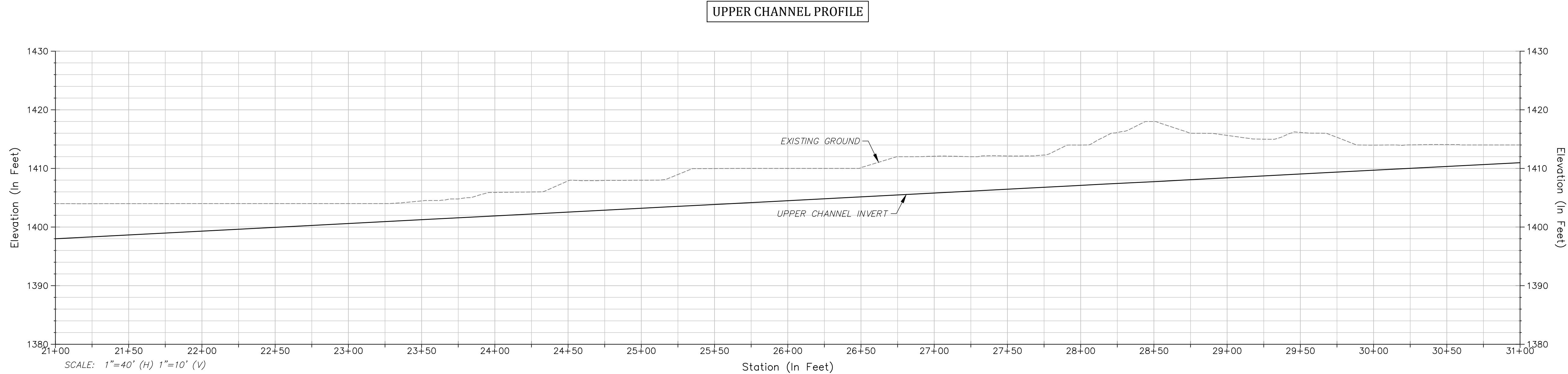
Plunge Creek Conservation Project

Upper Pilot Channel Profile Sheet

Job Number
6000208

Sheet Number
C3

Sheet 5 of 14



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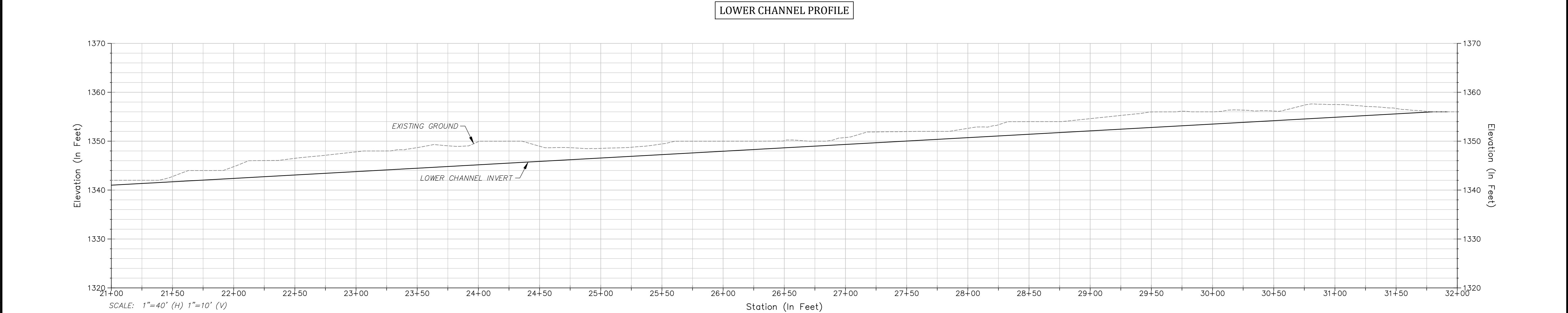
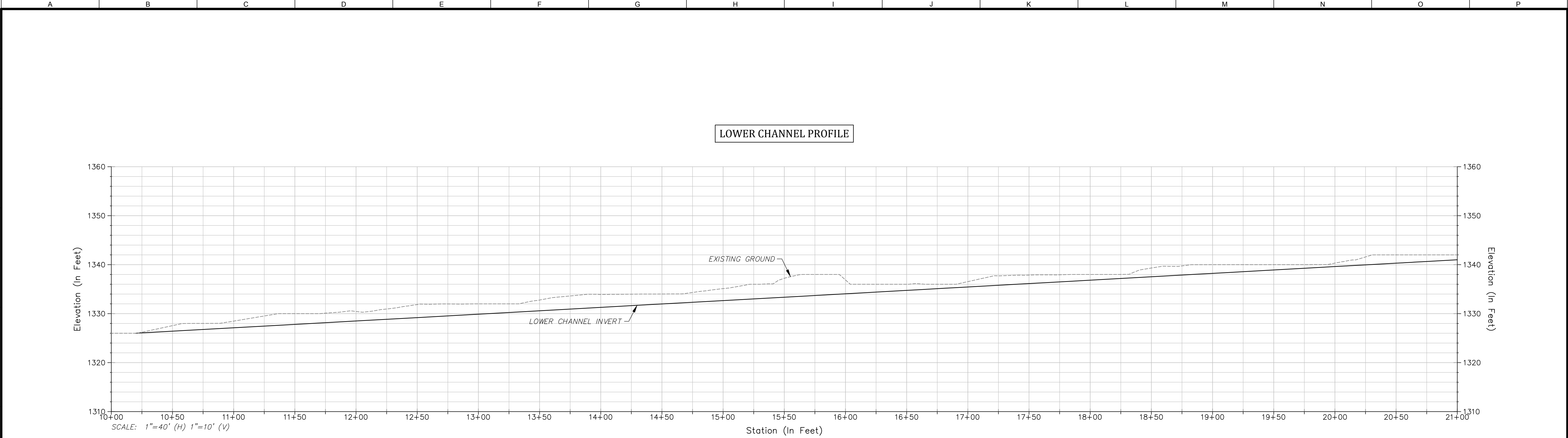
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Upper Pilot Channel Profile Sheet

Job Number
6000208

Sheet Number
C4

Sheet 6 of 14





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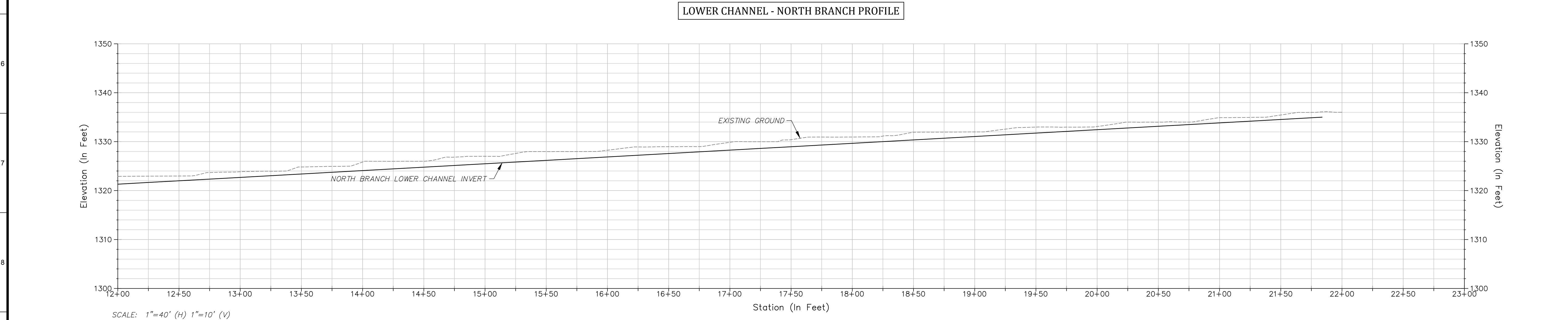
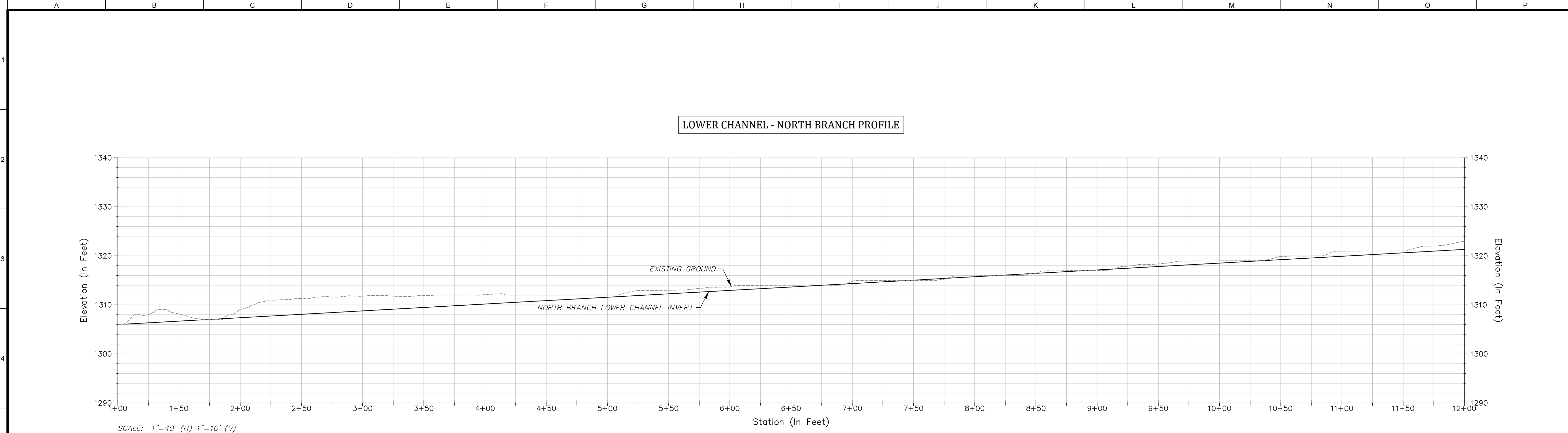
Plunge Creek Conservation Project

Lower Pilot Channel Profile Sheet

Job Number
6000208

Sheet Number
C5

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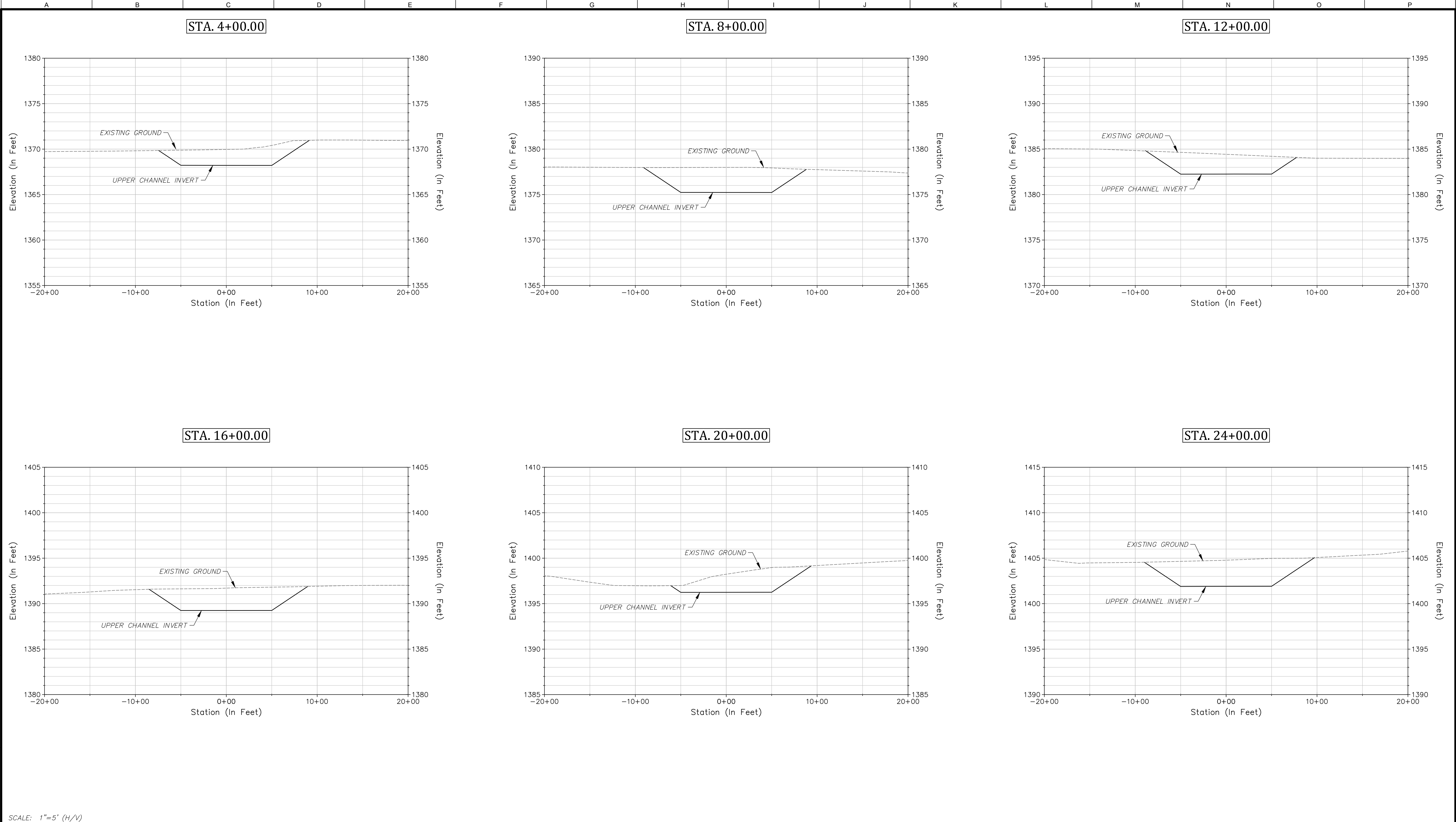
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Plunge Creek Conservation Project

North Lower Pilot Channel Profile Sheet

Job Number
6000208
Sheet Number
C6
Sheet 8 of 14



SCALE: 1"=5' (H/V)



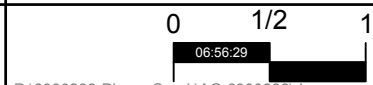
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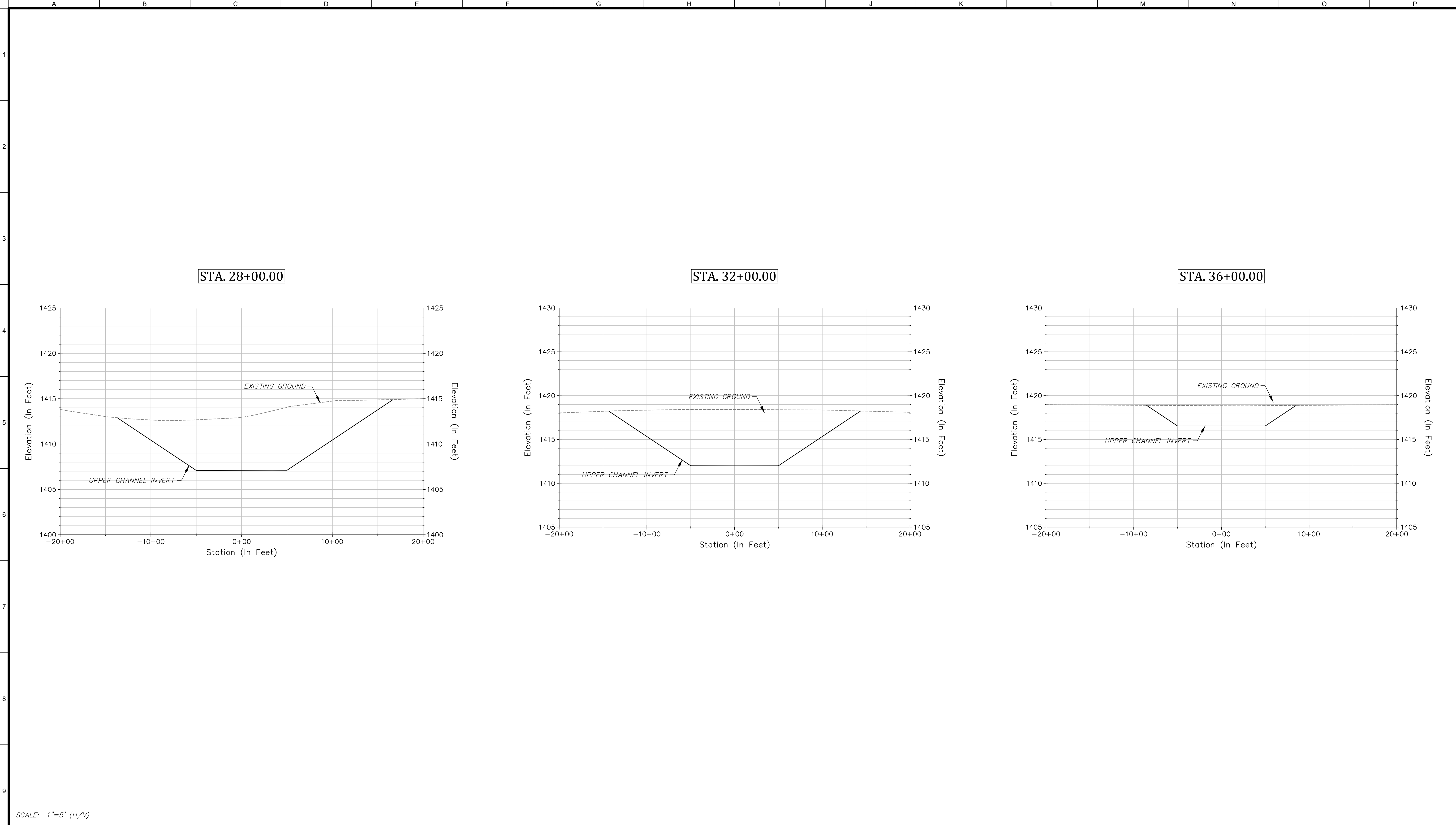
Plunge Creek Conservation Project

Upper Pilot Channel Cross Sections Sheet

Job Number
6000208

Sheet Number
C7

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SCALE: 1"=5' (H/V)



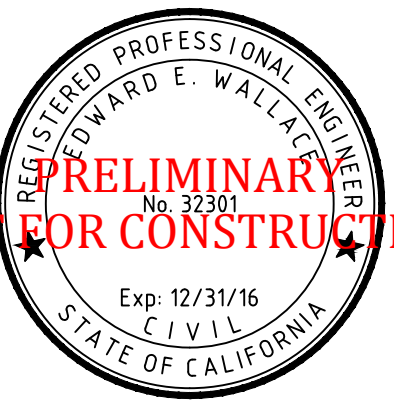
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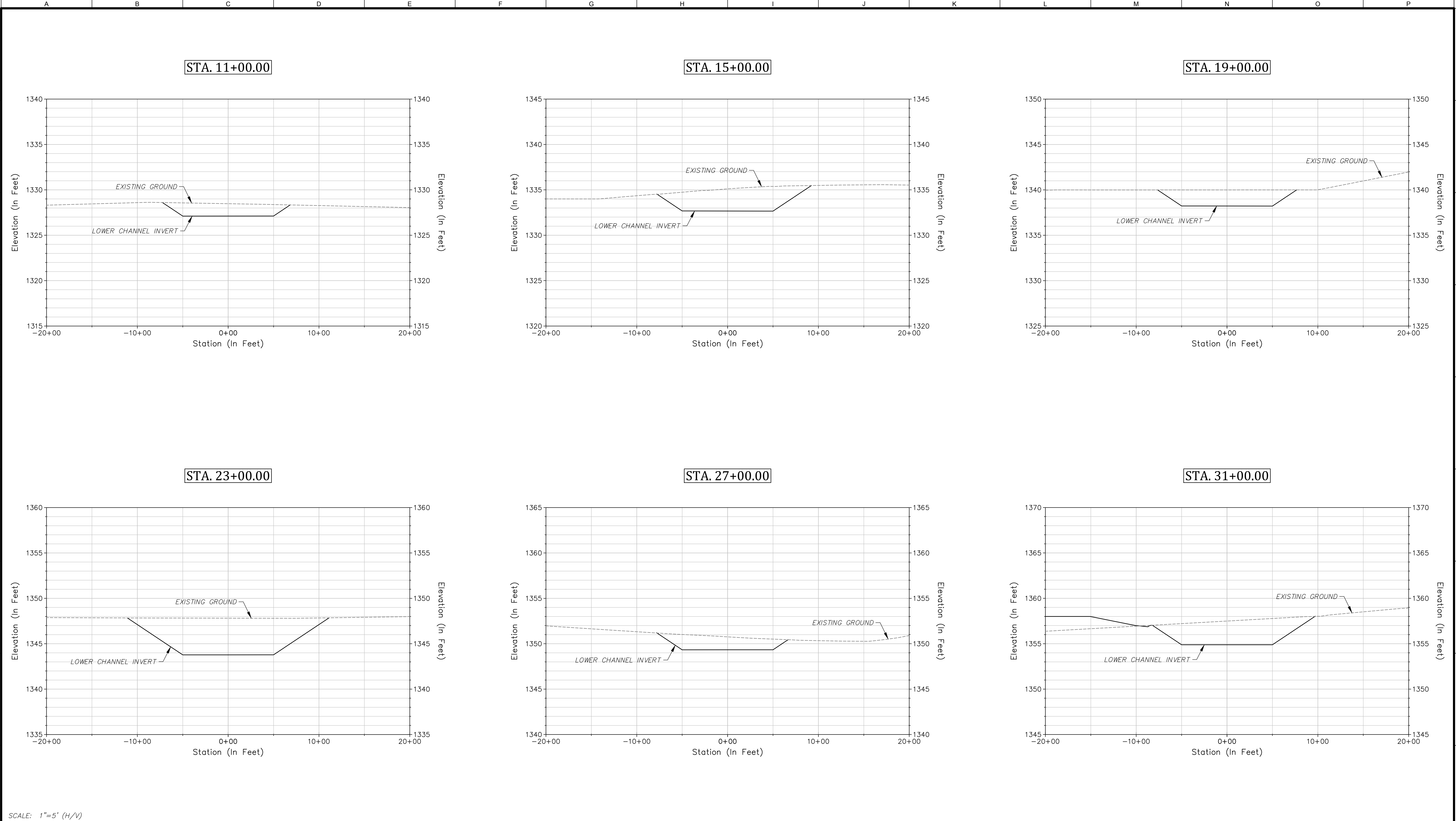
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Upper Channel Cross Sections Sheet

Job Number
6000208

Sheet Number
C8

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SCALE: 1"=5' (H/V)



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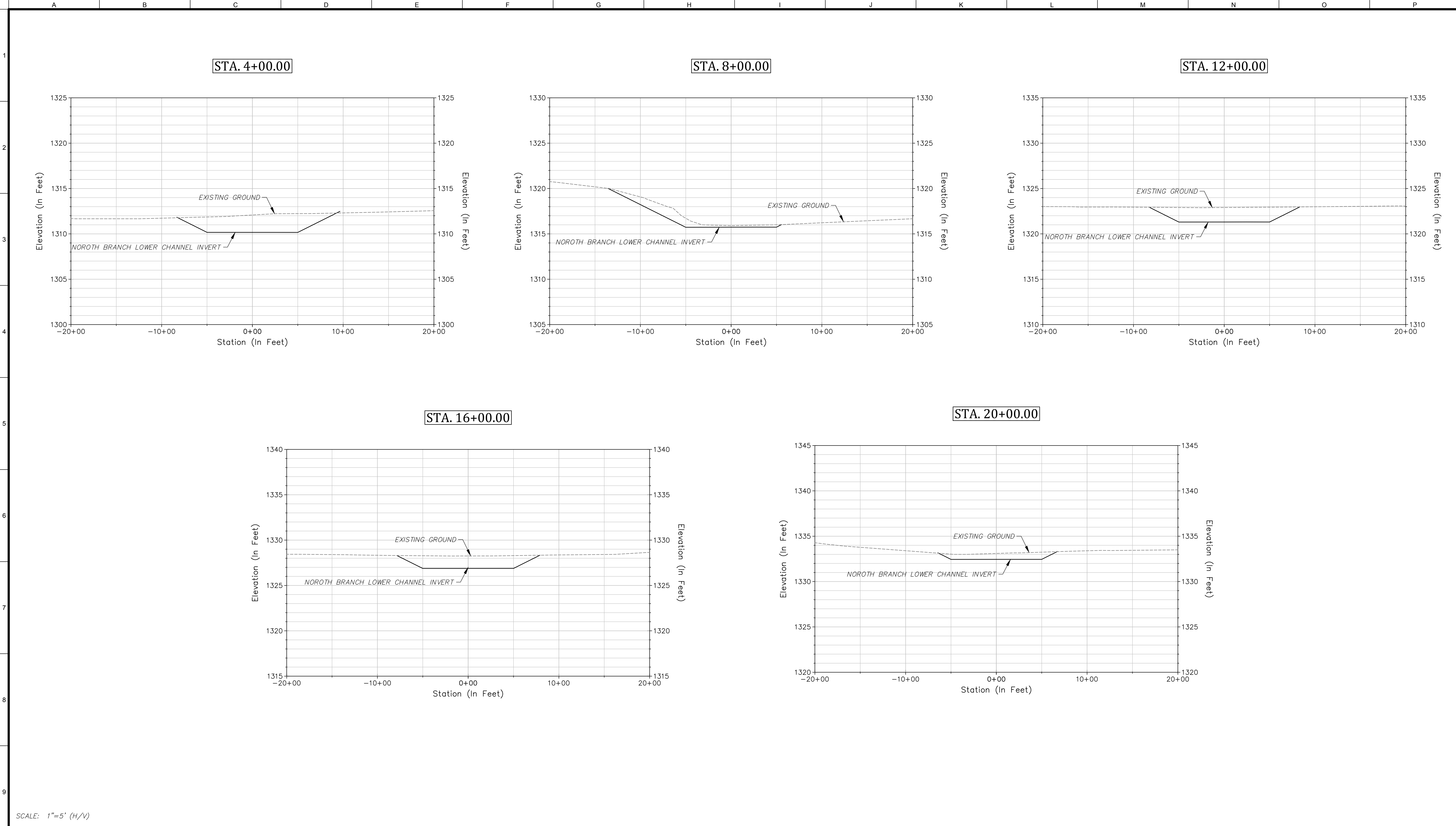
Plunge Creek Conservation Project

Lower Pilot Channel Cross Sections Sheet

Job Number
6000208

Sheet Number
C9

Sheet 11 of 14



SCALE: 1"=5' (H/V)



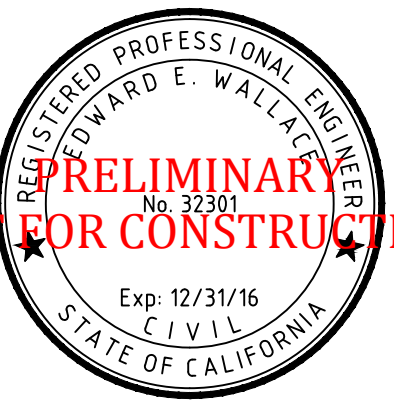
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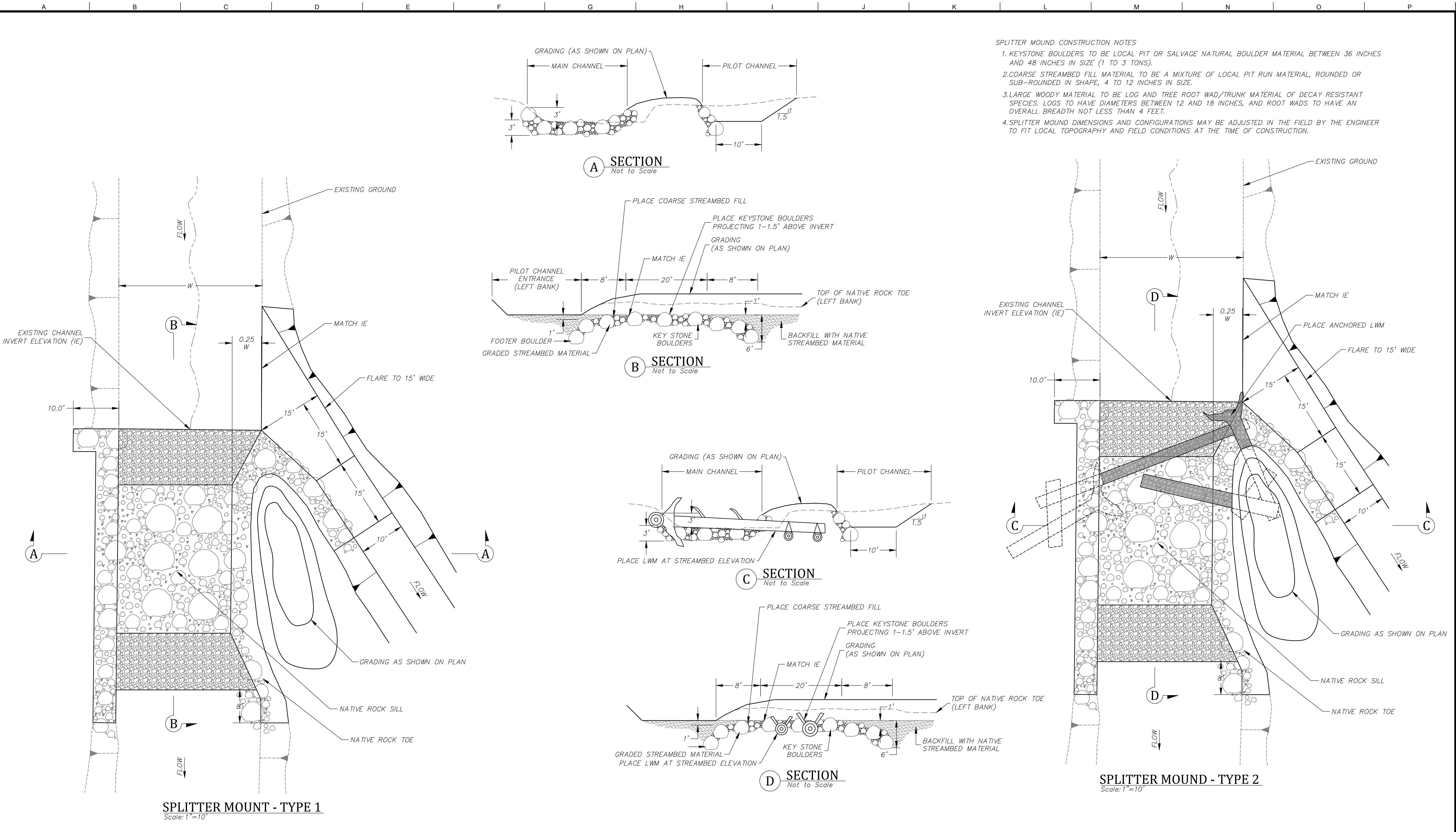
Plunge Creek Conservation Project

North Branch Lower Pilot Channel Cross Sections Sheet

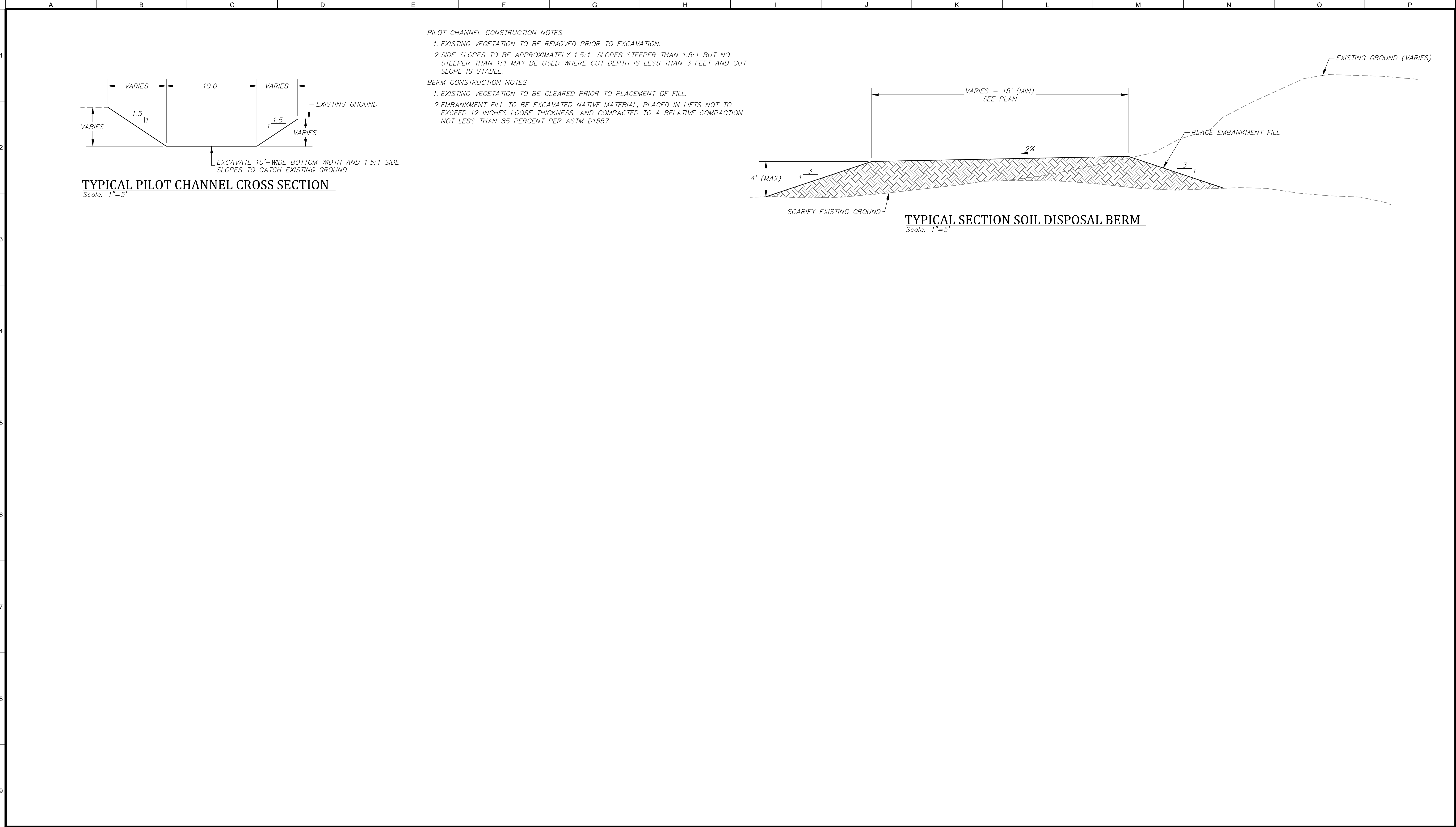
Job Number
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Sheet Number
C10

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- SPLITTER MOUND CONSTRUCTION NOTES
1. KEYSTONE BOULDERS TO BE LOCAL PIT OR SALVAGE NATURAL BOULDER MATERIAL BETWEEN 36 INCHES AND 48 INCHES IN SIZE (1 TO 3 TONS).
 2. COARSE STREAMBED FILL MATERIAL TO BE A MIXTURE OF LOCAL PIT RUN MATERIAL, ROUNDED OR SUB-ROUNDED IN SHAPE, 4 TO 12 INCHES IN SIZE.
 3. LARGE WOODY MATERIAL TO BE LOG AND TREE ROOT WAD/TRUNK MATERIAL OF DECAY RESISTANT SPECIES. LOGS TO HAVE DIAMETERS BETWEEN 12 AND 18 INCHES, AND ROOT WADS TO HAVE AN OVERALL BREADTH NOT LESS THAN 4 FEET.
 4. SPLITTER MOUND DIMENSIONS AND CONFIGURATIONS MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER TO FIT LOCAL TOPOGRAPHY AND FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.





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Plotted Scale	

Plunge Creek Conservation Project

Details Sheet

Job Number
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Sheet Number
D2

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