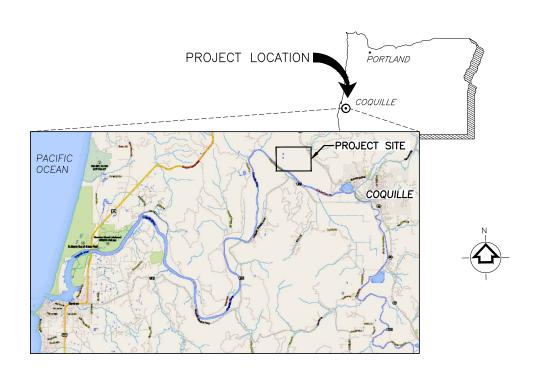
WINTER LAKE RESTORATION PROJECT

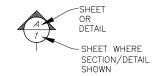
COQUILLE, COOS COUNTY, OREGON



VICINITY MAP

NOT TO SCALE

LEGEND					
EXISTING		PROPOSED			
	TREE	100	MAJOR CONTOUR		
5	MAJOR CONTOURS		MINOR CONTOUR		
2	MINOR CONTOURS		CONSTRUCTION LIMITS		
	PROPERTY LINE		CENTERLINE		
xx	FENCE		SILT/EXCLUSION FENCE		
		(C) * (B)	RIPARIAN REVEGETATION		
			AREA TO BE FILLED		







SHEET INDEX

NUMBER	NUMBER	DESCRIPTION			
GENERAL			19	C17	NEW NORTH-SOUTH CANAL AND BERM 2
01	GO1	TITLE, VICINITY, PROJECT AREA, LEGEND AND INDEX	20	C18	(NOT USED)
02	G02	ABBREVIATIONS AND NOTES	21	C19	CHINA CAMP CREEK CANAL FILL
CIVIL			22	C20	CHINA CAMP CREEK CANAL BERM 1
03	C01	EXISTING CONDITIONS WITH SURVEY CONTROL	23	C21	CHINA CAMP CREEK CANAL BERM 2
04	C02	PLANNED MODIFICATIONS - NORTH	24	C22	CHINA CAMP CREEK CANAL BERM 3
05	C03	PLANNED MODIFICATIONS - SOUTH	25	C23	INTERIOR CANAL FILL 1A
06	C04	NORTH FILL AREA LAYOUT AND COORDINATES	26	C24	INTERIOR CANAL FILL 1B
07	C05	SOUTH FILL AREA LAYOUT AND COORDINATES	27	C25	INTERIOR CANAL FILL 1C
08	C06	EROSION CONTROL PLAN	28	C26	INTERIOR CANAL FILL 2A
09	C07	EROSION CONTROL DETAILS	29	C27	INTERIOR CANAL FILL 2B
10	C08	EAST CANAL BERM 1 AND WEST CANAL BERM 1	30	C28	TYPICAL CROSS SECTIONS
11	C09	WEST CANAL BERM 2	31	C29	FENCE DETAILS
12	C10	WEST CANAL BERM 3	32	C30	COORDINATE TABLES CHANNEL LAYOUT 1
13	C11	WEST CANAL BERM 4	33	C31	COORDINATE TABLES CHANNEL LAYOUT 2
14	C12	NORTH CANAL BERM 1	34	C32	GUN CLUB TIDAL DEPRESSIONS PLAN
15	C15	(NOT USED)	35	C33	GUN CLUB TIDAL DEPRESSIONS DETAILS
16	C14	NORTH CANAL BERM 3	36	C34	GUN CLUB TIDAL DEPRESSIONS LAYOUT COORDINATES
17	C15	(NOT USED)	37	C35	CULVERT AND TIDE GATE PLAN AND SECTION
18	C16	NEW NORTH-SOUTH CANAL AND BERM 1	38	C36	VEGETATION MOUNDS DETAILS & COORDINATE TABLE

FINAL DESIGN





; VICINITY, PROJECT LEGEND AND INDEX



PROJECT NO.
32071

FILE NAME:

PRAWING NO.

ODFW IN-WATER WORK WINDOW: JUL 1 TO SEPT 15

NOTES

GENERAL

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS, INCLUDING REQUIREMENTS SET FORTH IN THE PERMITS OBTAINED FOR THIS PROJECT. THE CONTRACTOR SHALL MAINTAIN A COPY OF ALL PERMITS ONSITE DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE CONDITIONS AND THE SAFETY OF HUMAN LIFE DURING THE COURSE OF CONSTRUCTION. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY DURING THE PERIOD OF CONSTRUCTION AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL KEEP JOB SITE AREA CLEAN, HAZARD-FREE, AND PROPERLY DISPOSE OF ALL DEBRIS, RUBBISH, AND CONSTRUCTION WASTE. ALL DISTURBED AREAS ARE TO BE REHABILITATED PER FINAL GRADING SPECIFICATIONS OR AT DIRECTION OF CAR.
- THE CONTRACTOR SHALL INSTALL ALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED

SURVEY CONTROL AND CONSTRUCTION LIMITS

- EXISTING GROUND ELEVATION DATA IS FROM THE COMBINED LIDAR (DOGAMI 2009) AND 2013 TOPOGRAPHIC SURVEY (ESTABROOK 2013). ALL MAPPING IS PROJECTED TO NAD83 STATE PLANE OREGON SOUTH, UNITS OF US FEET. ALL ELEVATIONS ARE RELATIVE TO NAVD88 IN UNITS OF FEET. SURVEY CONTROL POINTS ARE PROVIDED FROM SURVEY PERFORMED BY ESTABROOK LAND SURVEYING IN 2013.
- ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION AND IS THE MEASURED HORIZONTAL DISTANCE.
- CONSTRUCTION LIMITS, CENTERLINE AND OFFSET STAKING TO BE PERFORMED BY THE CONTRACTOR.
- ALL CONSTRUCTION ACTIVITY, INCLUDING STAGING AND STOCKPILING, SHALL BE CONFINED TO THE PARCELS AS SHOWN IN THESE PLANS. CONTRACTOR SHALL ADHERE TO CONSTRUCTION LIMITS. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING REQUIRED DATUM, BENCHMARKS, CONTROL LINES AND LEVELS. DO NOT DISTURB, EXCAVATE OR WORK BEYOND PROJECT LIMITS WITHOUT WRITTEN PERMISSION FROM CAR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OREGON UTILITY NOTIFICATION CENTER AT 800.332.2344 AND SECURING A UTILITY LOCATE PRIOR TO COMMENCEMENT OF CONSTRUCTION WORK. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING MARKINGS.
- CONTRACTOR TO INSTALL TEMPORARY FENCING WHEREVER NEEDED TO ENSURE CATTLE DO NOT ENTER THE WORKSITE.

ENVIRONMENTAL PROTECTION

- 1. CONTRACTOR WILL BE REQUIRED TO OBTAIN CONSTRUCTION NPDES PERMIT.
- 2. CONTRACTOR IS RESPONSIBLE FOR ADHERING TO WATER QUALITY STANDARDS AND SPECIFICATIONS. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED AND PROVIDED BY CONTRACTOR. SILT CURTAIN AND SILT FENCING ARE MINIMUM REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY BE REQUIRED AT CONTRACTORS EXPENSE TO MEET BMPS, THE SEDIMENT AND EROSION CONTROL PLAN, AND NPDES PERMIT REQUIREMENTS.
- 3. IF POTENTIAL HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CAR SHOULD BE CONTACTED IMMEDIATELY.
- 4. WORK WITHIN THE OHW OF CHINA CAMP CREEK WILL BE PERFORMED DURING THE IN-WATER WORK WINDOW FROM JULY 15 TO SEPT 15 OR AS APPROVED BY

SEDIMENT AND EROSION CONTROL

- 1. CONTRACTOR IS REQUIRED TO PREPARE AND SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL BY THE CAR PRIOR TO COMMENCING WORK.
- 2. SEDIMENT CONTROL MEASURES SUCH AS SILT CURTAINS OR BARRIERS IN THE CANALS ARE REQUIRED TO FUNCTION THROUGHOUT ALL TIDAL CYCLES AND ANTICIPATED RAINSTORMS AND MUST REMAIN IN PLACE UNTIL EXCAVATION OR FILL WORK IS COMPLETE FOR EACH LOCATION.
- 3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO EACH CONSTRUCTION ELEMENT AND MAINTAIN THROUGHOUT DURATION OF FOR EACH FLEMENT WORK.

SITE EARTHWORK AND GRADING

- 1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE EARTHWORK AND GRADING ACTIVITIES. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB SITE CONDITIONS WITH APPROVAL BY THE CAR. SIGNIFICANT DEVIATIONS FROM THESE PLANS SHALL BE COORDINATED WITH THE ENGINEER OF RECORD AND SHALL BE DOCUMENTED FOR INCLUSION IN AS-BUILT DRAWINGS TO BE PREPARED BY CONTRACTOR AT
- 2. EXCAVATED SOILS THAT MEET REQUIREMENTS MAY BE REUSED ON-SITE AS SHOWN AS LONG AS MEETING THE REQUIREMENTS. FINAL GRADING OF REUSED MATERIAL SHALL BE APPROVED BY CAR.
- 3. EXISTING SOILS ARE LIKELY TO BE SOFT AND SATURATED, AND LIKELY TO NOT SUPPORT CONVENTIONAL CONSTRUCTION EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL ACCESS MEASURES REQUIRED TO KEEP CONSTRUCTION ON SCHEDULE. THESE INCLUDE AND ARE NOT LIMITED TO ADEQUATE DEWATERING, SOIL REINFORCEMENT PADS AND SOIL STABILIZATION MATS, AND/OR TEMP GEOTEXTILE AND GRAVEL ACCESS ROADS, USE OF LOW IMPACT TIRES, AND SPECIALIZED CONSTRUCTION EQUIPMENT.

TEMPORARY CONSTRUCTION FACILITIES

3. ALL TEMPORARY UTILITIES AND FACILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. A CONSTRUCTION TRAILER IS NOT REQUIRED. SITE MAY NOT HAVE EXISTING POTABLE WATER OR ELECTRICITY CONNECTIONS. ANY USE OF POTABLE WATER OR ELECTRICITY FROM EXISTING CONNECTIONS ON SITE MUST BE COORDINATED WITH LANDOWNER THROUGH WRITTEN AGREEMENT PRIOR TO USE. A CHEMICAL TOILET OF SUITABLE TYPE SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES.

ABBREVIATIONS

70	ACITE
BMP	BEST MANAGEMENT PRACTICE(S)
BSDD	BEAVER SLOUGH DRAINAGE DISTRICT
DTM	DOTTON

ВТМ

CAR CCGC CHINA CAMP GUN CLUB. INC.

CUBIC YARDS DEPT DEPARTMENT

DMŚ

MIN MINIMUM

NAD83

NUMBER

NOAA

ON CENTER

OR DEPT OF TRANSPORTATION
OR DEPT OF FISH AND WILDLIFE ODOT ODFW

РC PRIMARY CHANNEL РΤ POINT RM REFERENCE MONUMENT

STA SC SHT SECONDARY CHANNEL SHEET

SPEC SS SQ STD SIDESLOPE

TO BE DEVELOPED; TO BE DETERMINED TBD

TLID TAX LOT IDENTIFIER

TYP

USACE UNITED STATES ARMY CORPS OF ENGINEERS UNITED STATES FISH AND WILDLIFE SERVICE USFWS

WITH WC

W/O DEGREE ര

۸. ACDE

CONTRACTING AGENCY REPRESENTATIVE, THE NATURE CONSERVANCY (TNC)

DIAMETER

DIA Ø DEGREES, MINUTES, SECONDS

DWG DRAWINGS FASTING EXISTING GROUND EL, ELEV **ELEVATION** FINISHED GROUND FOOT OR FEET HORZ HORIZONTAL INCH OR INCHES LWD LARGE WOODY DEBRIS MAX MAXIMUM MHHW MEAN HIGHER HIGH WATER

NORTH. NORTHING

NORTH AMERICAN DATUM OF 1983 NAVD88 NORTH AMERICAN VERTICAL DATUM OF 1988

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NTS NOT TO SCALE

ORDINARY HIGH WATER OHW

SPECIFICATION(S)

STANDARD

TEMP TEMPORARY

TYPICAL

VERTICAL **VERT**

WITNESS CORNER WITHOUT

NUMBER

AUG AUG MAR

TECH, Taylor Si TETRA TEC 1020 SW Tayle Suite 530 Portland, OR § (P) 503-223-55 (F) 503-228-86



(1) <u>N</u> AND

ABBREVIATIONS

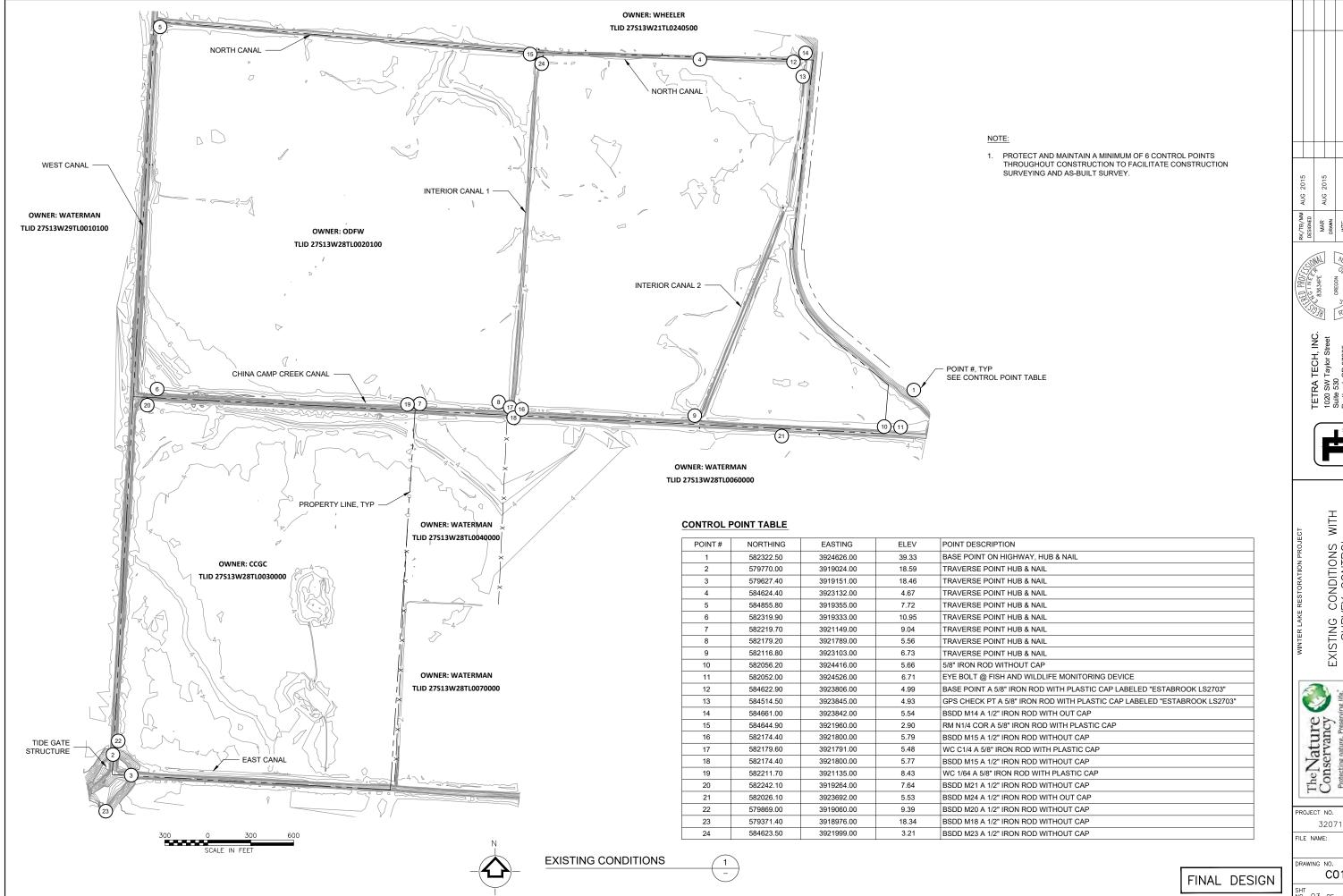


PROJECT NO. 32071

FILE NAME:

FINAL DESIGN

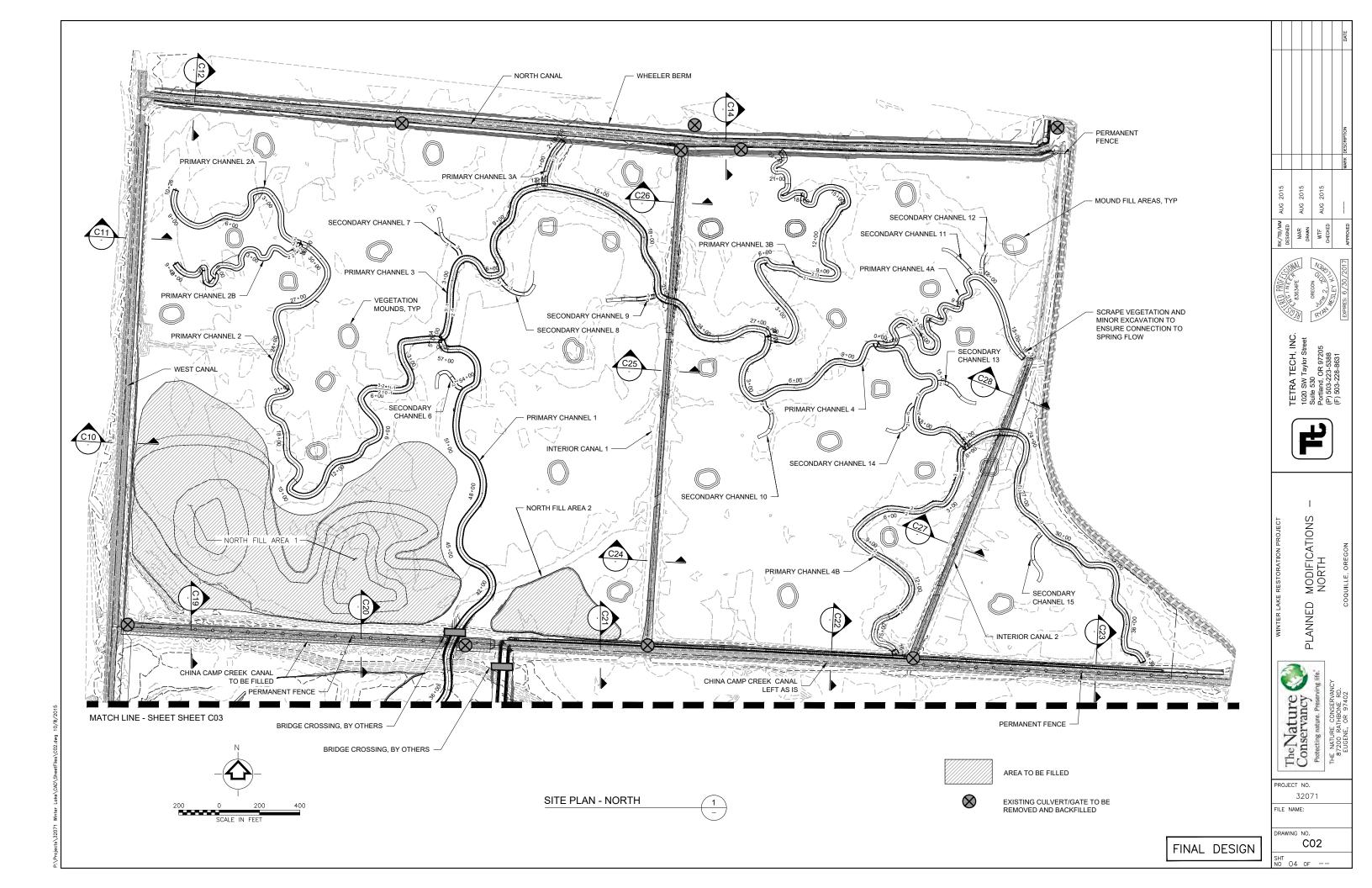
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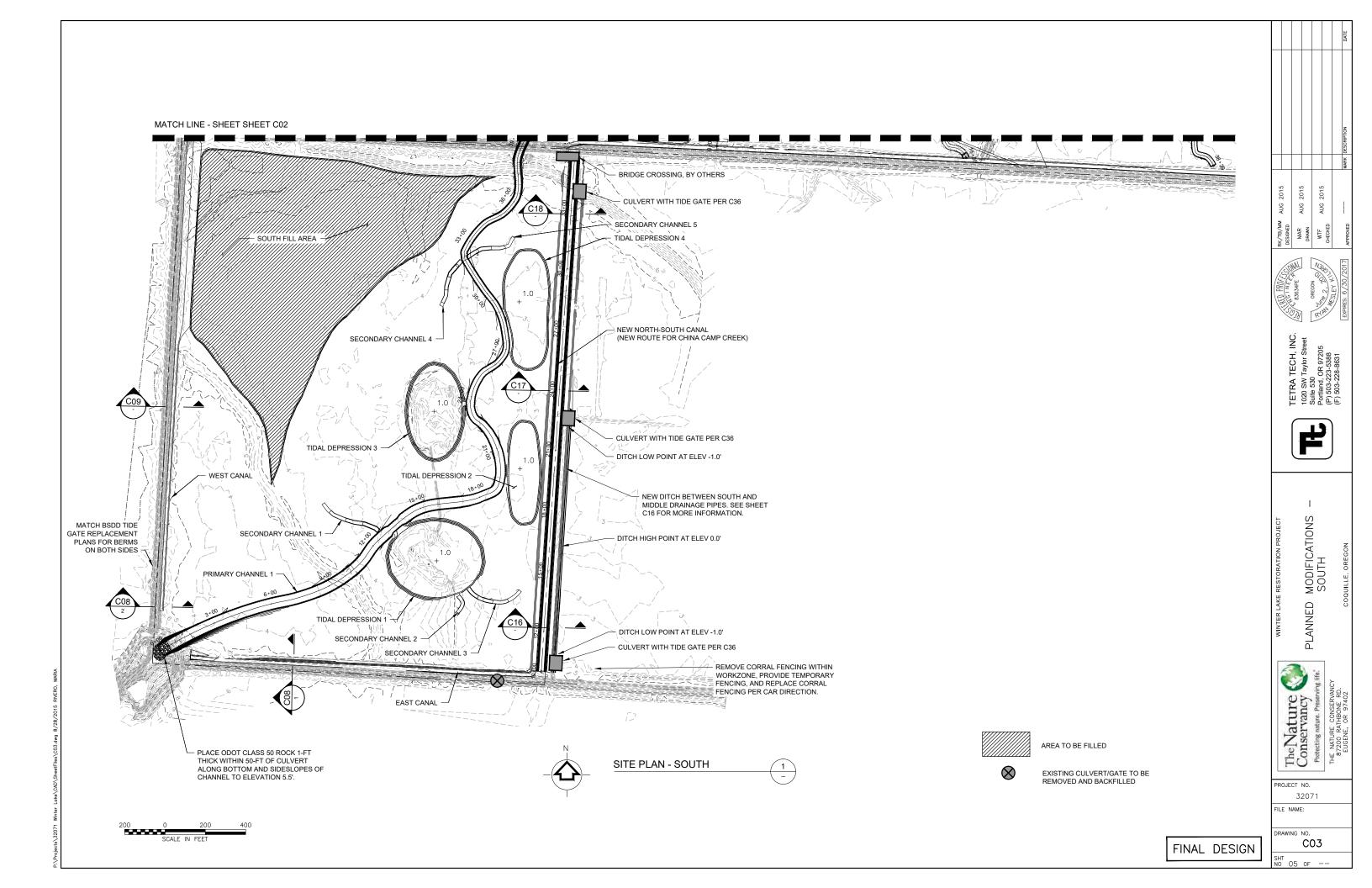


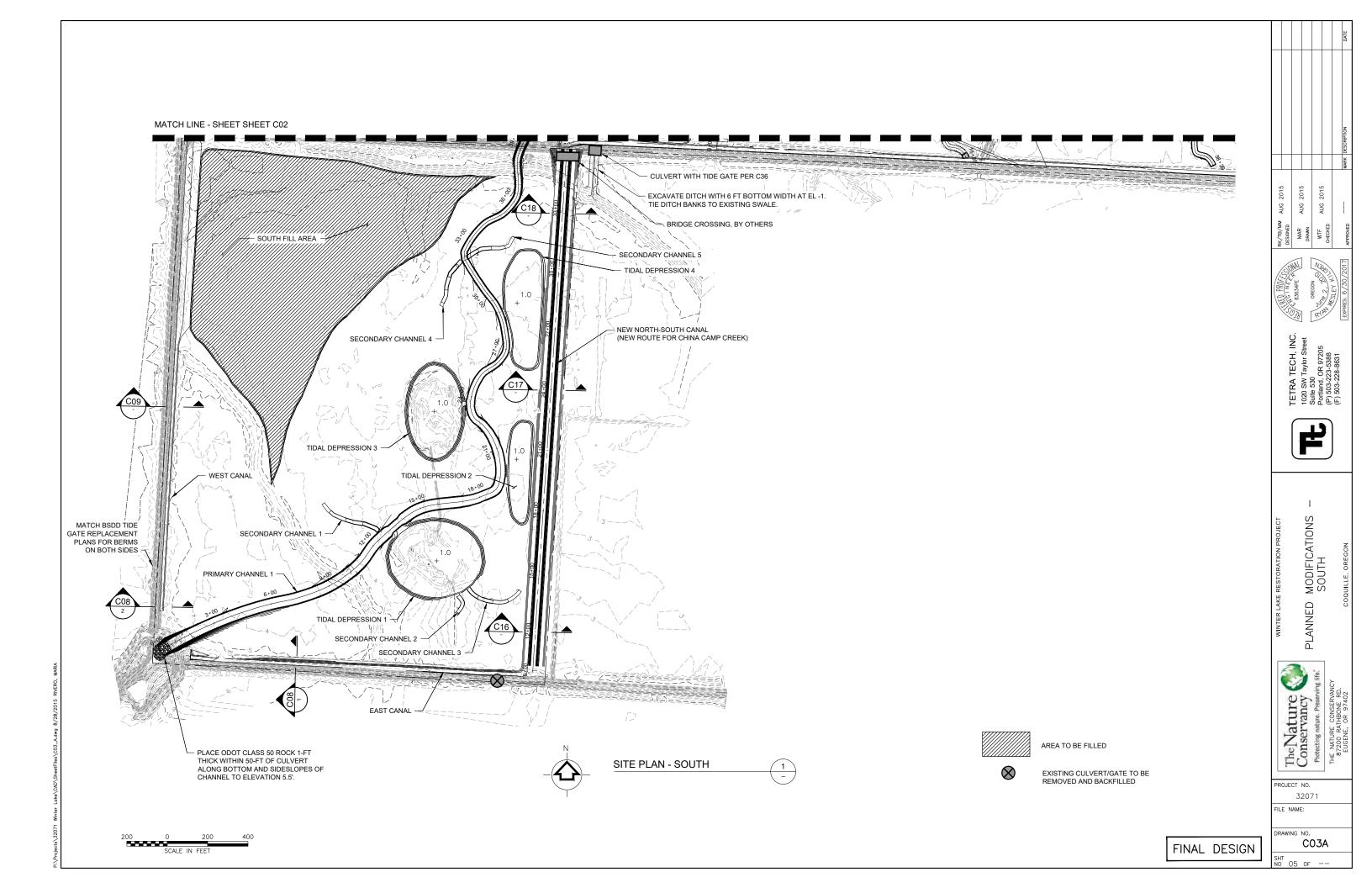


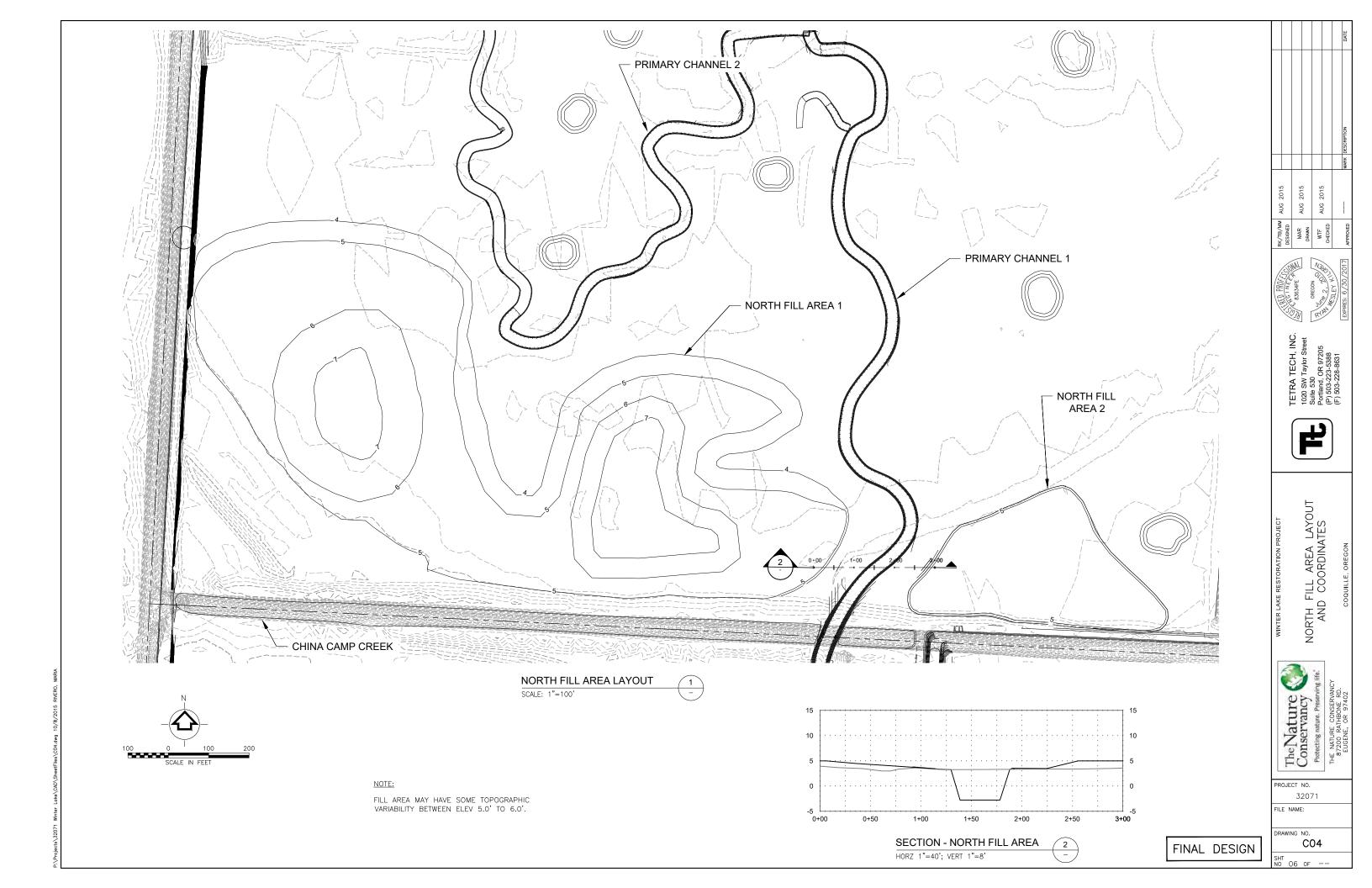
WITH EXISTING CONDITIONS SURVEY CONTROL

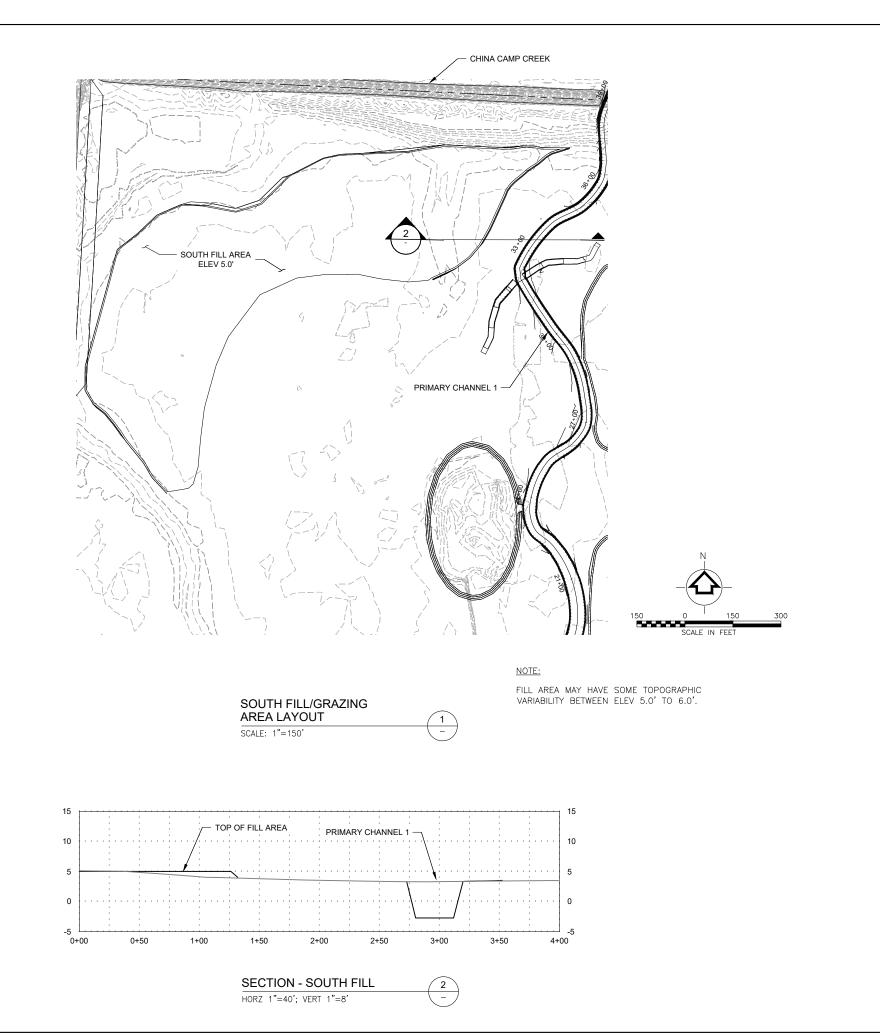
C01











AUG 2015

TETRA TECH, INC. 1020 SW Taylor Street Suite 530 Portland, OR 97205 (P) 503-223-5388 (F) 503-228-8631



SOUTH FILL AREA LAYOUT AND COORDINATES WINTER LAKE RESTORATION PROJECT

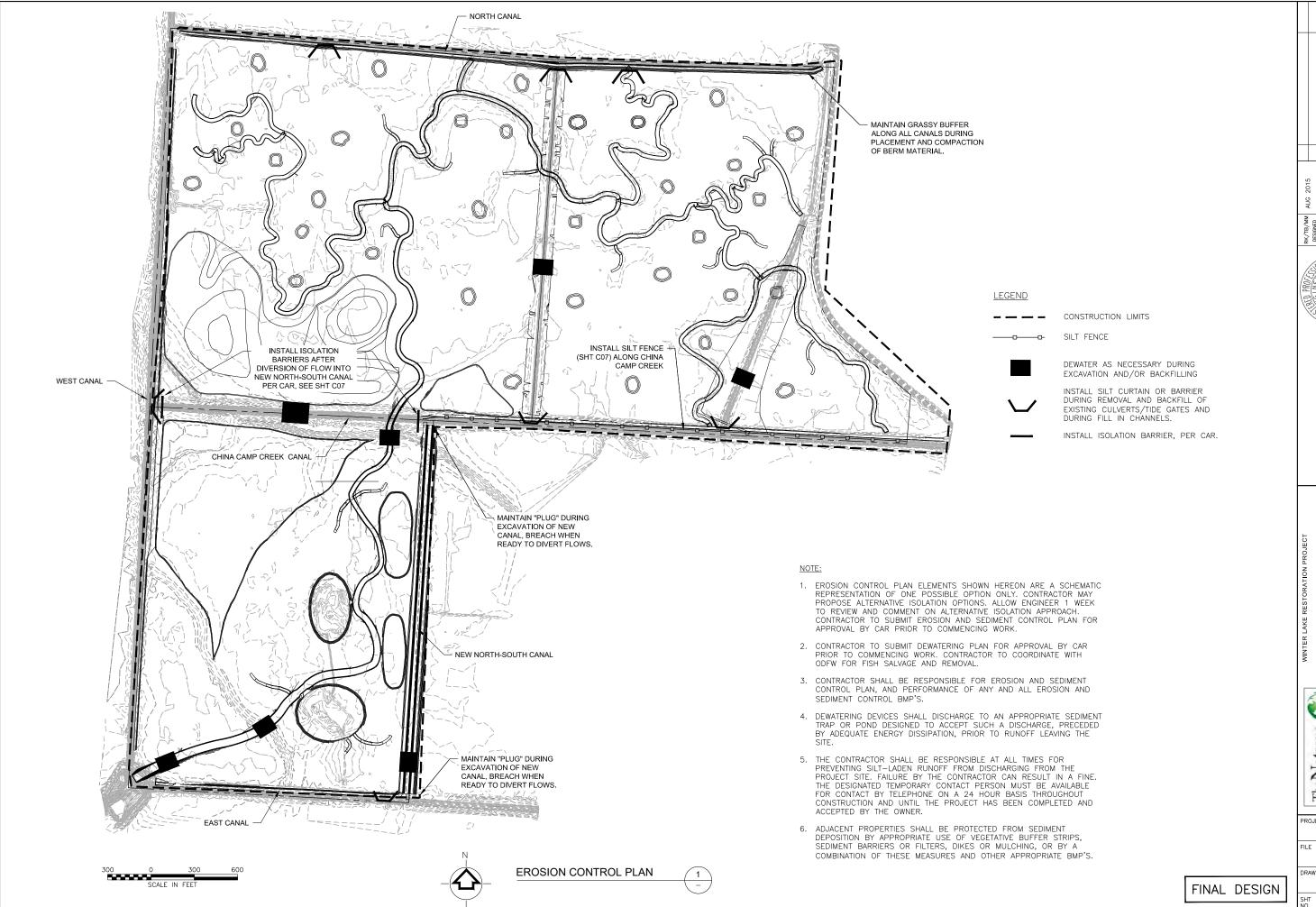


PROJECT NO. 32071

FILE NAME:

FINAL DESIGN

DRAWING NO. C05



TETRA TECH, IN 1020 SW Taylor Stree Suite 530 Portland, OR 97205 (P) 503-223-5388 (F) 503-228-8631

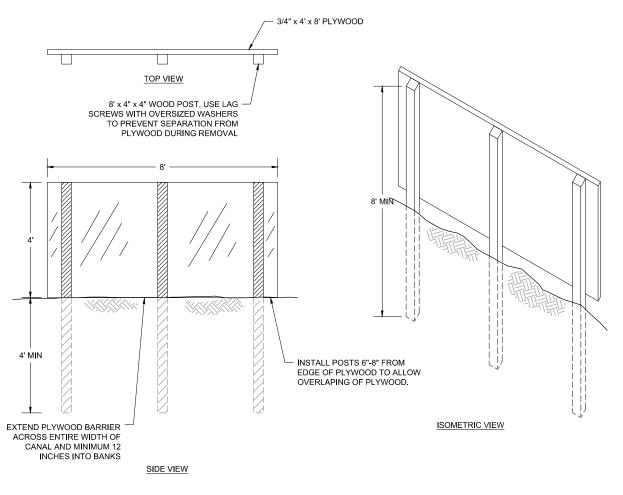
교 CONTROL EROSION

HE NATURE CONSERVANC 87200 RATHBONE RD. EUGENE, OR 97402 The Nature Conservancy

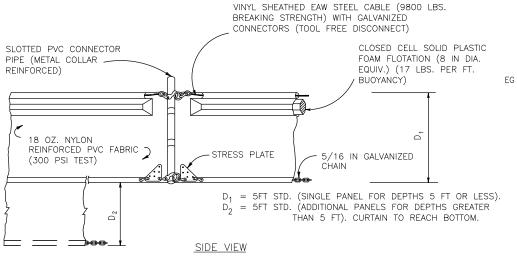
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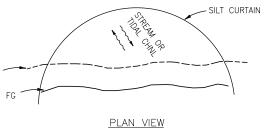
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- 1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
 2. NUMBER AND SPACING OF ANCHORS DEPENDENT ON

 - CURRENT VELOCITIES.
- CURRENT VELOCITIES.

 3. DEPLOYMENT OF BARRIER AROUND LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.

 4. SILT CURTAIN TO BE STABLE AND SECURELY TIED DOWN TO WITHSTAND TIDAL CURRENTS, TIDAL ELEVATIONS, AND WAVE

ACTION.

SILT CURTAIN DETAIL

FINAL DESIGN





TETRA TECH, INC. 1020 SW Taylor Street Suite 530 Portland, OR 97205 (P) 503-223-5388 (F) 503-228-8631



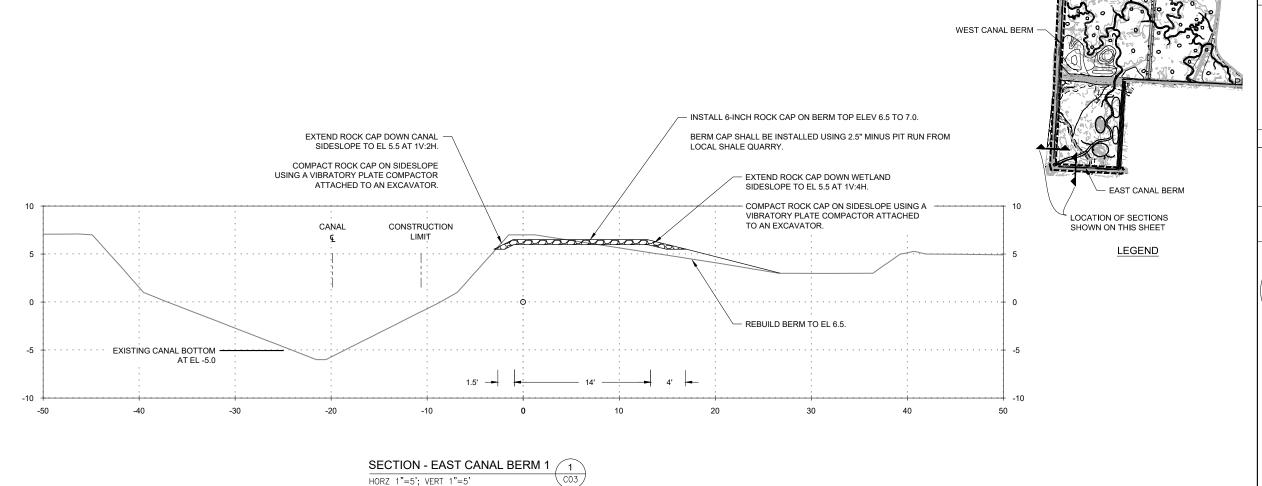
DETAILS CONTROL EROSION

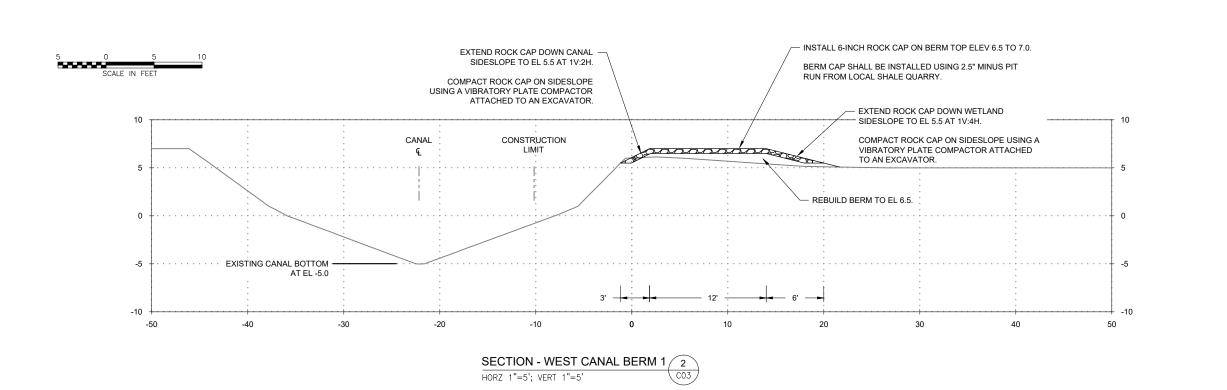


PROJECT NO. 32071

FILE NAME:

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TETRA TECH, INC. 1020 SW Taylor Street Suite 530 Portland, OR 97205



AL BERM 1 AND ANAL BERM 1

EAST CANAL BEF WEST CANAL

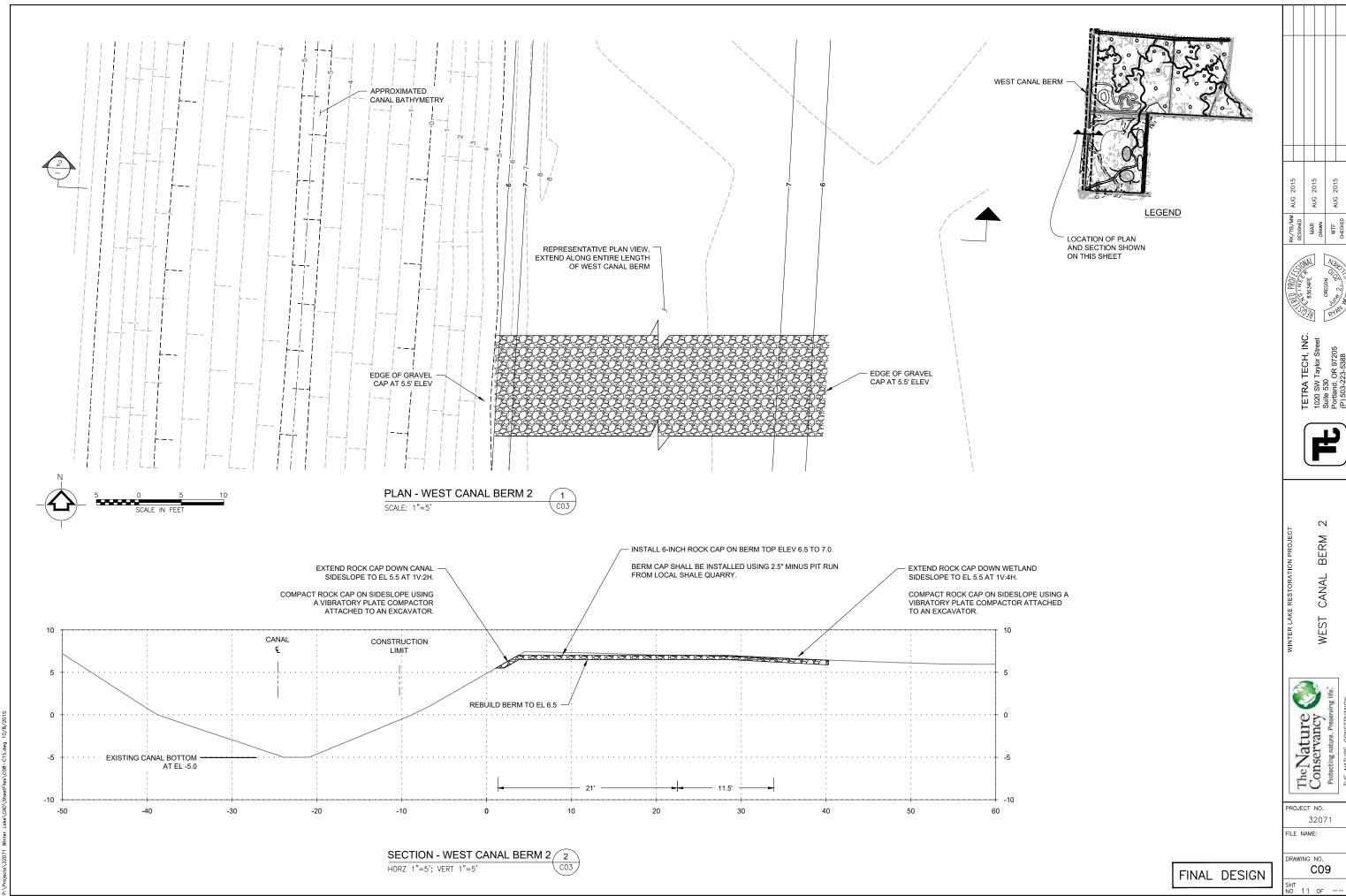


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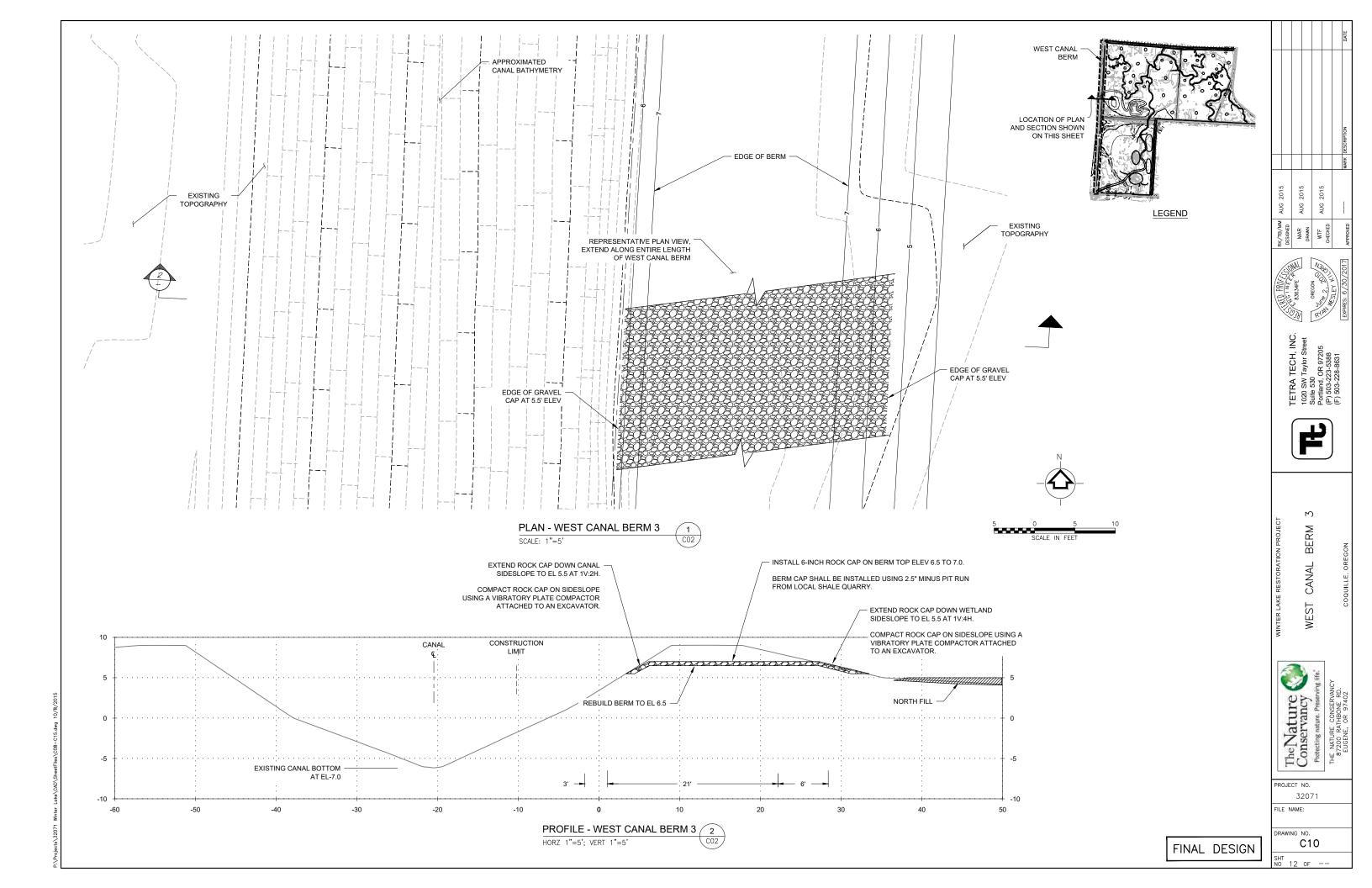
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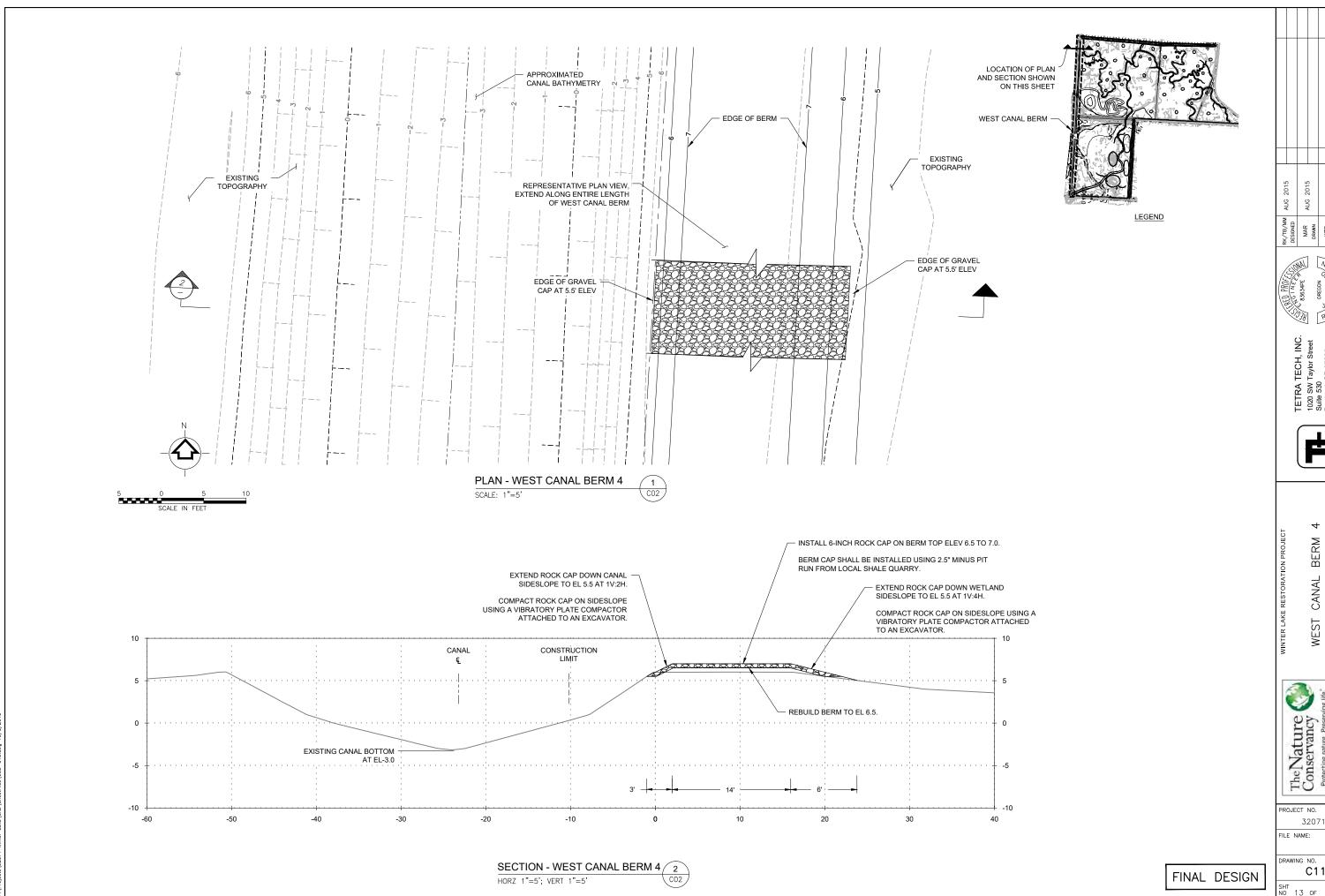
DRAWING NO.

FINAL DESIGN



THE NATURE CONSERVANCY 87200 RATHBONE RD. FUGENE, OR 97402





THE NATURE CONSERVANCY 87200 RATHBONE RD. FIGENE, OR 97402

PROJECT NO. 32071

DRAWING NO. C11