

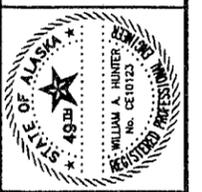
CITY OF WRANGELL

WASTEWATER TREATMENT IMPROVEMENTS WRANGELL, ALASKA

NO.	REVISIONS	BY	DATE
1.	RECORD DRAWINGS	CJP	01/03

805 DUPONT STREET
BELLINGHAM, WA 98225
(360) 733-6100 • FAX (360) 647-9061
www.wilsonengineering.com

Wilson
ENGINEERING, L.L.C.
CONSULTING ENGINEERS & SURVEYORS

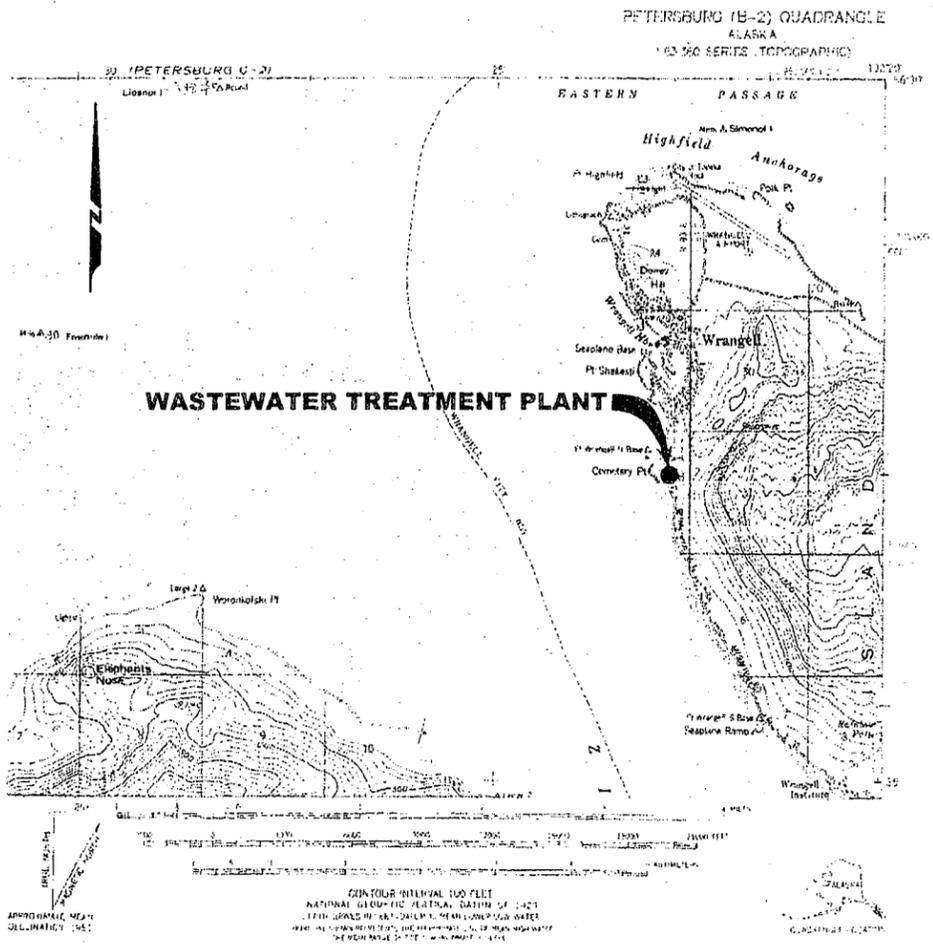


DESIGNED BY WAH
DRAWN BY WAH
CHECKED BY

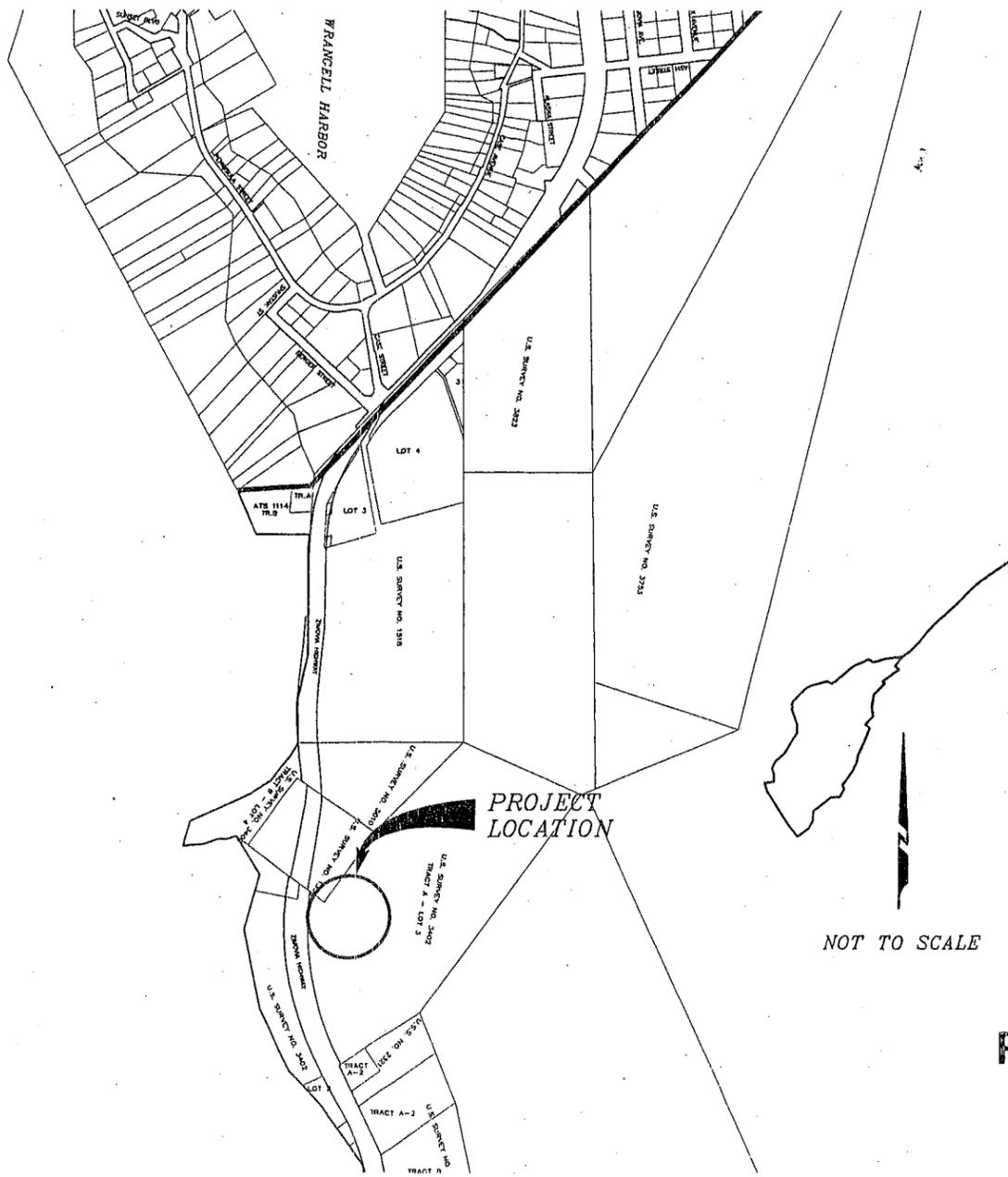
CITY OF WRANGELL
ALASKA
WRANGELL
WASTEWATER TREATMENT PLANT IMPROVEMENTS
VICINITY MAP, INDEX TO DRAWINGS

DATE 1/6/03
SCALE AS SHOWN
JOB NUMBER 99089

SHEET C01 OF C07



LOCATION MAP



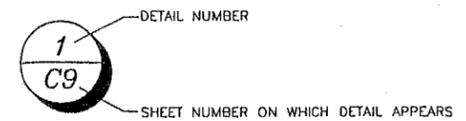
VICINITY MAP

INDEX TO DRAWINGS	
CIVIL	C01 VICINITY MAP, INDEX TO DRAWINGS C02 PROCESS SCHEMATIC, HYDRAULIC PROFILE C03 DEMOLITION PLAN C04 YARD PIPING PLAN C05 BASIN CROSS SECTIONS C06 DETAILS C07 DETAILS
ARCHITECTURAL	A01 CONTROL BUILDING FLOOR PLAN A02 CONTROL BUILDING ELEVATIONS A03 CONTROL BUILDING SECTIONS A04 CONTROL BUILDING DETAILS
STRUCTURAL	S01 STRUCTURAL NOTES & DETAILS S02 CONTROL BUILDING STRUCTURAL DETAILS
MECHANICAL	M01 MECHANICAL SCREEN DETAILS M02 AERATION DETAILS M03 AERATION DETAILS (CONT.) M04 WEIR VAULT DETAILS
ELECTRICAL	E01 ELECTRICAL SYMBOLS AND ABBREVIATIONS E02 ELECTRICAL DETAILS E03 PLANT ONE-LINE DIAGRAM E04 SITE PLAN E05 CONTROL BUILDING POWER & LIGHTING PLANS E06 TELEMETRY PANEL ELEVATION AND CONTROL DIAGRAMS E07 INTERCONNECTION DIAGRAMS AND DETAILS
TELEMETRY	T01 TELEMETRY SYSTEM OVERVIEW T02 REMOTE TELEMETRY PANELS INSTALLATION DETAILS T03 REMOTE TELEMETRY PANELS ELEVATION & CONTROL DIAGRAMS T04 REMOTE TELEMETRY PANELS CONTROL DIAGRAMS

NOT TO SCALE

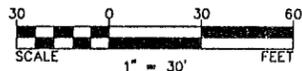
RECORD DRAWINGS

DETAIL NOTATIONS



PROJECT DATUM
ELEVATION DATUM
USC & GS TIDAL BENCH MARK 6,
1954, ELEV 39.27' - M.L.L.W.

00:14 / 01/08 / 199089 / record / Const / istruct / igell W / 2001-C



EXISTING CITY
ROCK QUARRY

EXISTING
OVERBURDEN
STOCKPILE

INSTALL CHAIN LINK
FENCE AT TOP OF
SLOPE, TYPICAL.

NO.	REVISIONS	BY	DATE
1.	RECORD DRAWINGS	CJP	01/03

SYMBOL	PIPE/FITTING DESCRIPTION
---	12" PVC SEWER PIPE
---	DUCTILE IRON AERATION HEADER PIPE (SEE SHEET M03)
---	12" DUCTILE IRON SEWER FORCE MAIN
⌘	GATE VALVE
•	CLEAN OUT
●	48" SEWER MANHOLE
---	POTABLE WATER MAIN
⌘	FIRE HYDRANT ASSEMBLY
○	YARD HYDRANT

NOTES:

1. NOT ALL FITTINGS ARE CALLED OUT. CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED FITTINGS.
2. SEE SHEET M03 FOR AERATION HEADER AND PIPING DETAILS.
3. CONTRACTOR SHALL SEQUENCE PIPE INSTALLATION SO THAT MECHANICAL SCREEN, BLOWERS, AND AERATION BASIN ARE FULLY FUNCTIONAL PRIOR TO DEMOLITION OF EXISTING TREATMENT FACILITIES AND CONSTRUCTION OF THE SEDIMENTATION BASIN.
4. INSTALL 1-1/2" WATER SERVICE LINES TO ALL YARD HYDRANTS, 4-FOOT MINIMUM COVER. CONNECT TO NEW 1-1/2" CONTROL BUILDING WATER SUPPLY LINE.

805 DUPONT STREET
BELLINGHAM, WA 98225
(360) 733-6100 • FAX (360) 647-9061
www.wilsonengineering.com

Wilson
ENGINEERING, L.L.C.
CONSULTING ENGINEERS & SURVEYORS

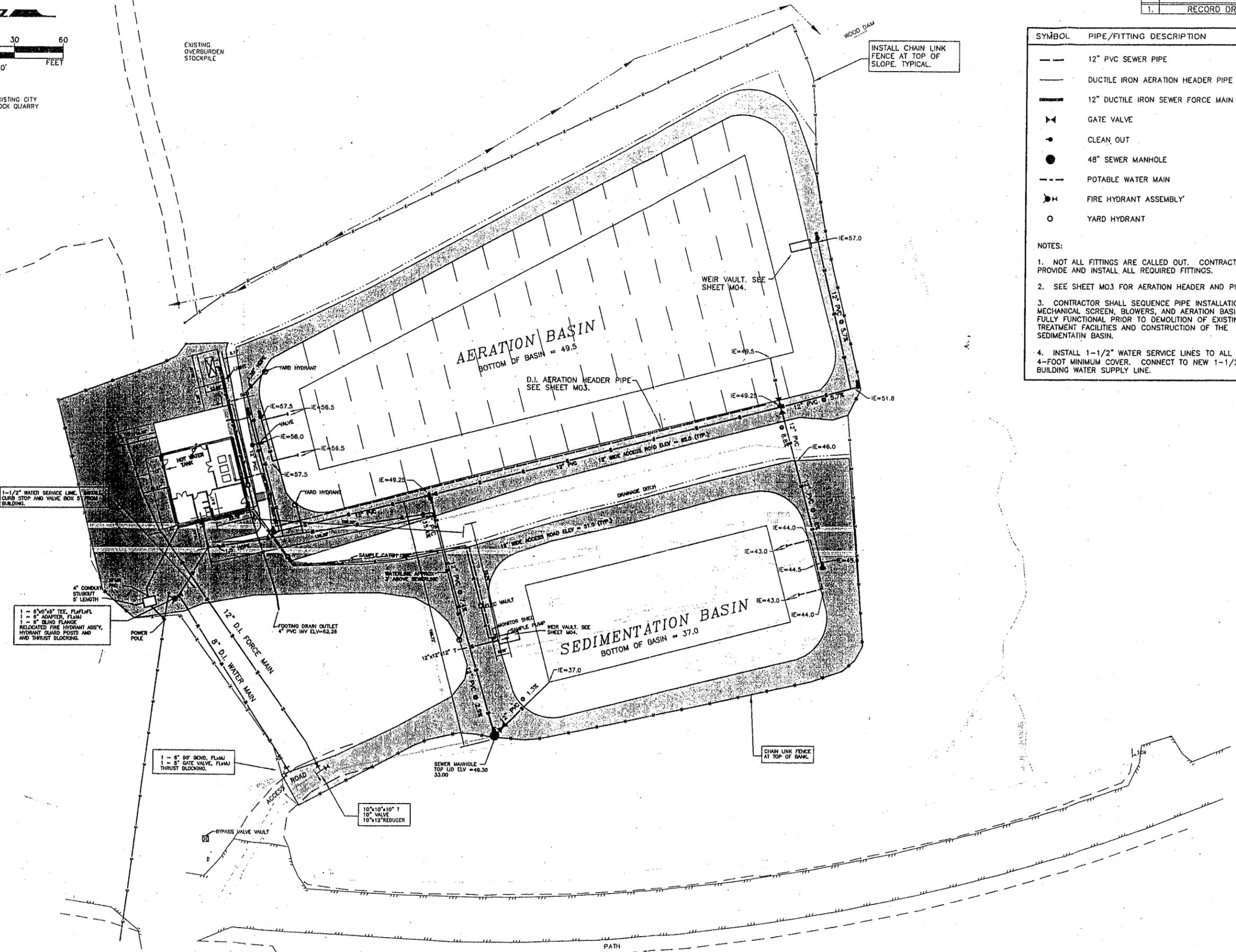


DESIGNED BY JCC
DRAWN BY JCC
CHECKED BY

CITY OF WRANGELL
WRANGELL, ALASKA
WASTEWATER TREATMENT PLANT IMPROVEMENTS
YARD PIPING PLAN

DATE 1/6/03
SCALE AS SHOWN
JOB NUMBER 99089

SHEET C04 OF C07



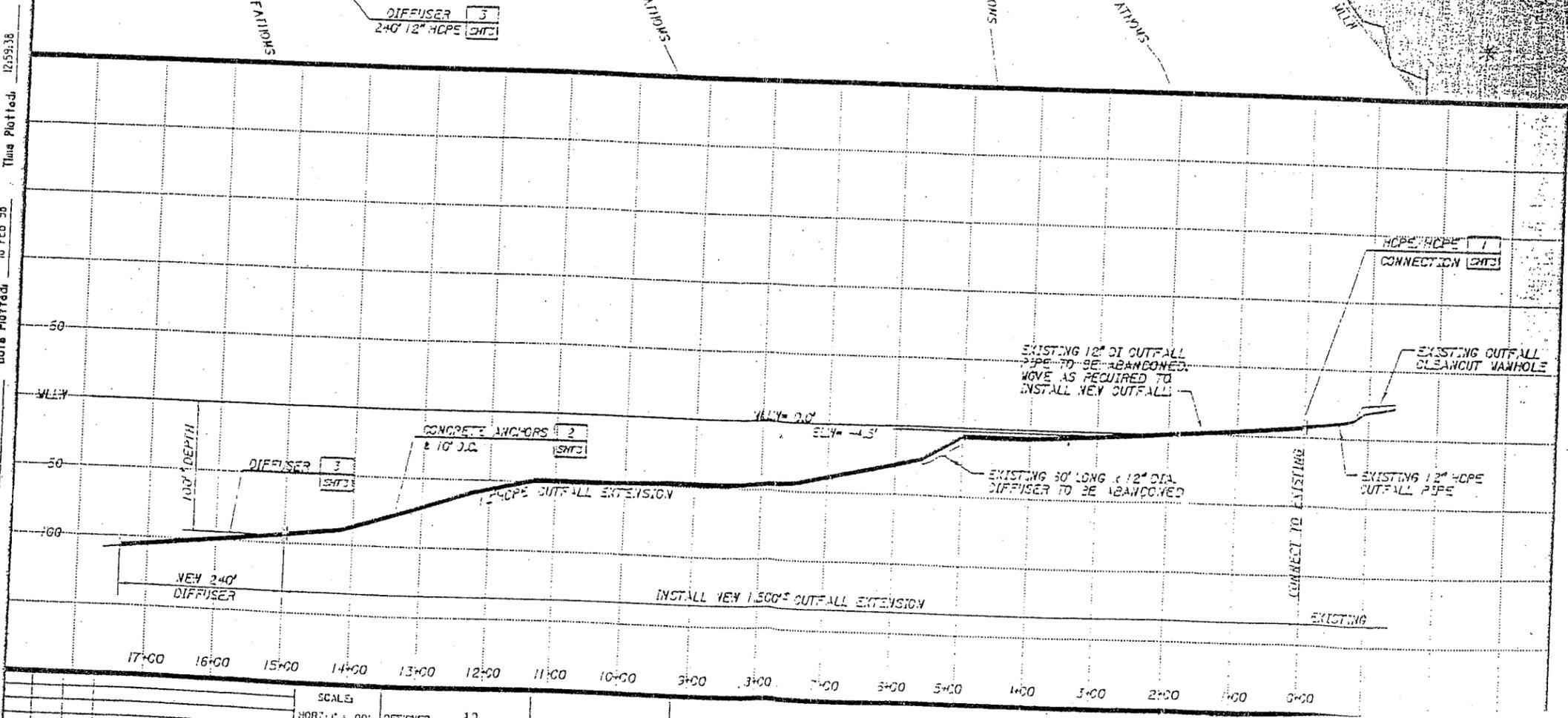
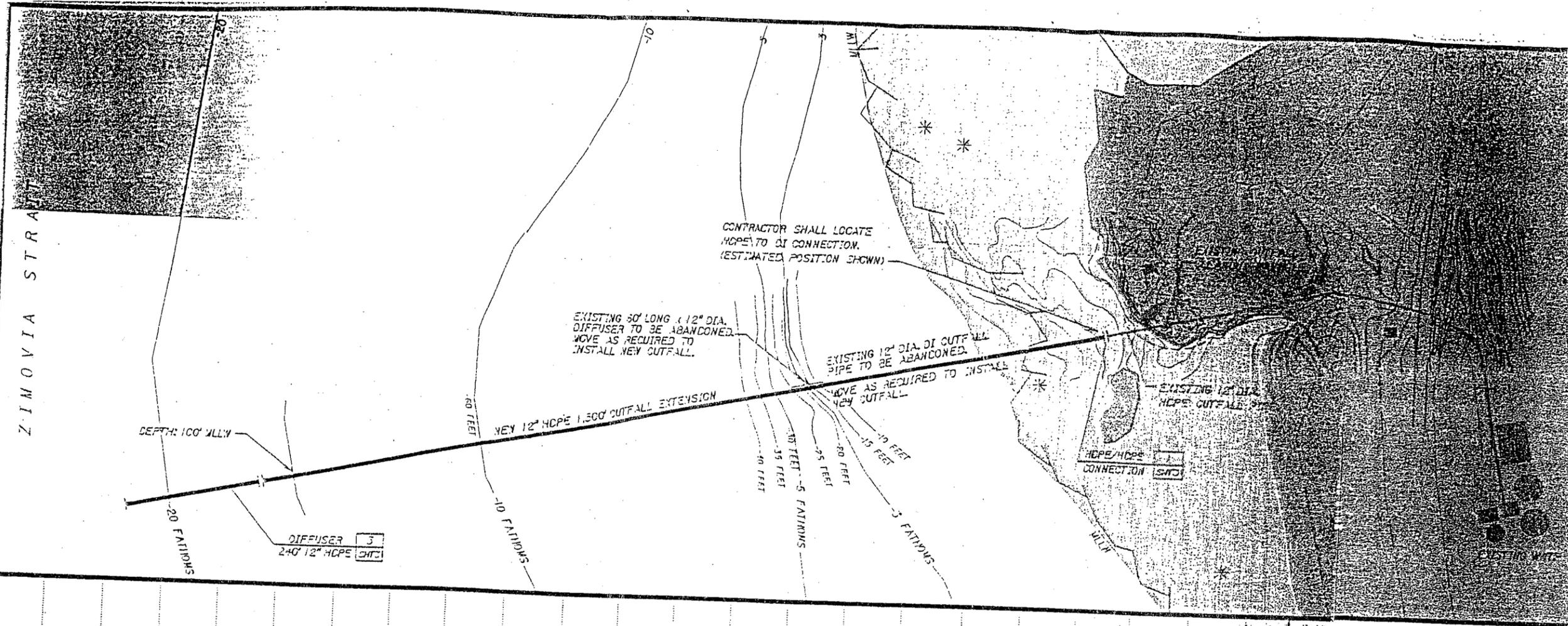
1-1/2" WATER SERVICE LINE, CURB STOP AND VALVE BOX 5' BUILDING

4" CONDUIT STUBOUT 5' LENGTH
1 - 6"x6"x6" TEE, FLANG
1 - 6" ADAPTER, FLANG
1 - 8" BLIND FLANGE
RELOCATED FIRE HYDRANT ASSY, HYDRANT GUARD POSTS AND AND THRUST BLOCKING.

1 - 6" 90° BEND, FLANG
1 - 6" GATE VALVE, FLANG
THRUST BLOCKING.

10"x10"x10" T
10" VALVE
10"x12" REDUCER

RECORD DRAWINGS

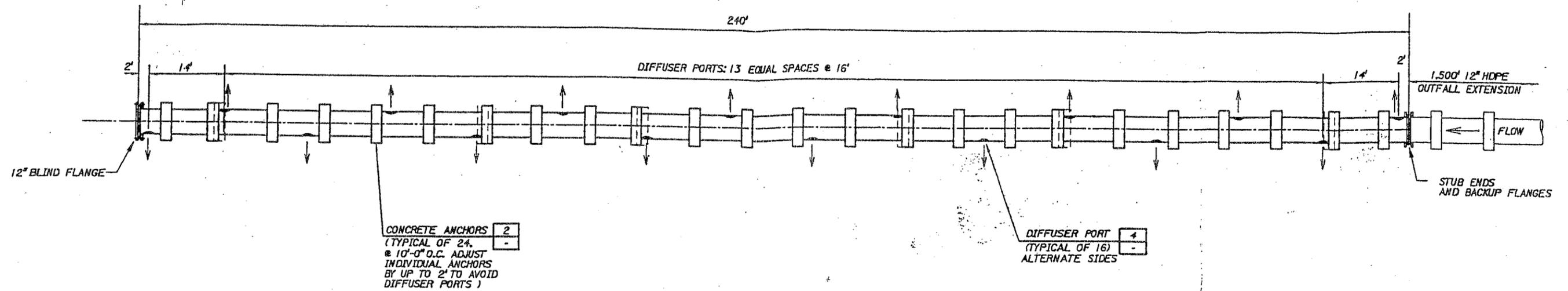


- NOTES:
1. CONTRACTOR SHALL LOCATE AND EXCAVATE HDPE OUTFALL PIPE.
 2. EXCAVATE FOR NEW OUTFALL PIPE AND ANY POSITIVE SLOPE IN THE DIRECTION ULLW OR LOWER.
 3. DISCONNECT 12" HDPE TO 12" DI CONNECTIC AND EXISTING DIFFUSER IN-PLACE.
 4. CONNECT NEW HDPE OUTFALL PIPE TO EX.
 5. LAY PIPE, ANCHORS AND DIFFUSER ON EX. DAYLIGHTING OF BOTTOM OF NEW OUTFALL

SCALE:	DESIGNED	LD
HORIZ: 1" = 100'	DRAWN	EM
VERT: 1" = 50'	CHECKED	
DATE PRINTED:	DATE	2-29-97

CITY OF PRANGELL
SEWER OUTFALL EXTENSION

FIGURE 6
OUTFALL / DIFFUSER PLAN & PROFILE



DIFFUSER (PLAN VIEW) 3

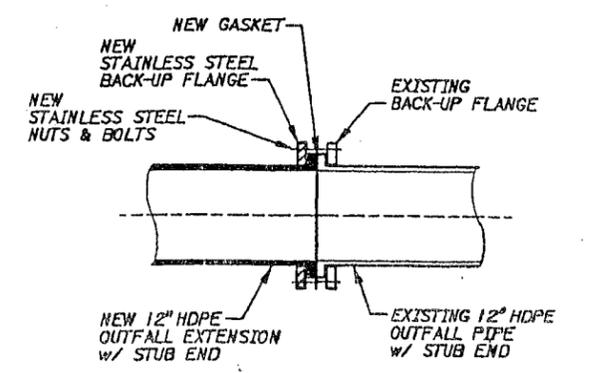
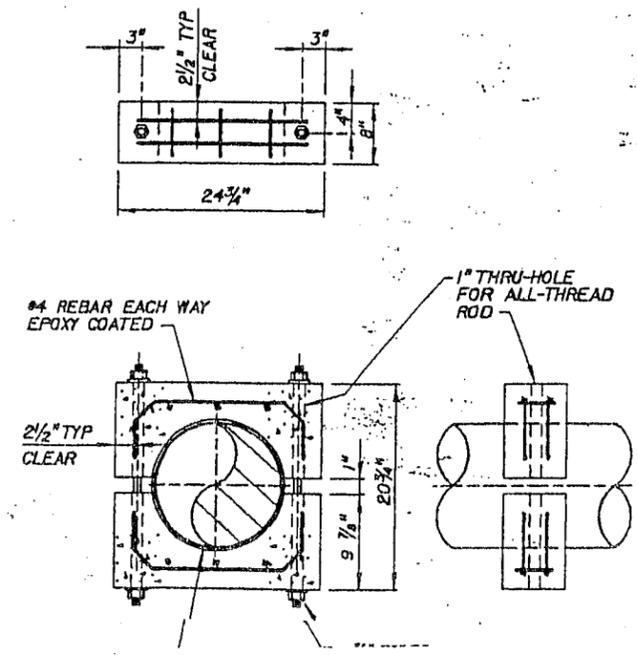
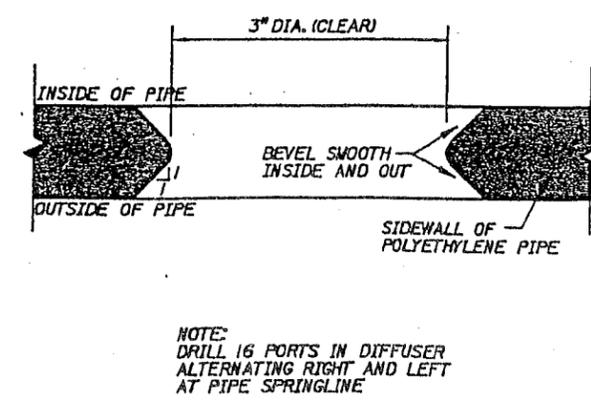
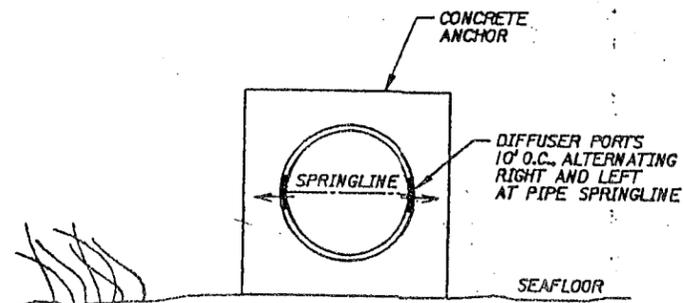


FIGURE 7
DIFFUSER DETAILS

Date Plotted 18 FEB 98 Time Plotted 12:58:07
T:\details.dgn