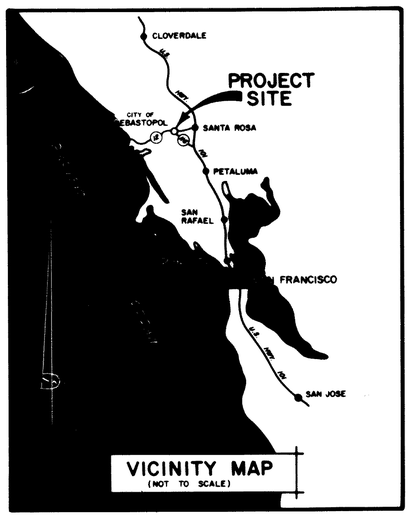
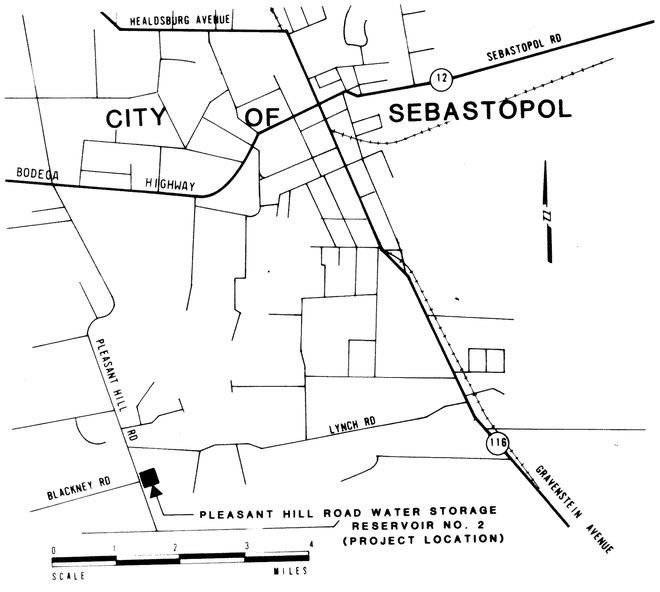
CITY OF SEBASTOPOL, CALIFORNIA

WATER STORAGE RESERVOIR 198





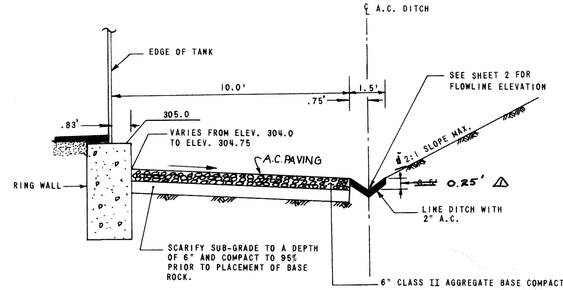
— LOCATION MAP —

— SHEET INDEX —

1. TITLE SHEET
2. RESERVOIR SITE AND GRADING PLAN
3. RESERVOIR SECTIONS AND RETAINING WALLS
4. STEEL TANK RESERVOIR - PLAN, ELEVATIONS, AND DETAILS
5. STEEL TANK RESERVOIR DETAILS
6. STEEL TANK RESERVOIR - FOUNDATION PLAN AND SECTIONS
7. FENCE AND PIPING PROFILES
8. CATHODIC PROTECTION SYSTEM

— GENERAL NOTES —

1. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SEBASTOPOL'S STANDARD PLANS AND SPECIFICATIONS AND TO THE STANDARD PLANS AND SPECIFICATIONS OF THE STATE OF CALIFORNIA.
2. THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE; HOWEVER, THE CITY OF SEBASTOPOL AND THE ENGINEER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN, OR FOR THE INADVERTANT OMISSION OF ANY SUCH INFORMATION.
3. CALL UNDERGROUND SERVICE ALERT (USA) TOLL FREE 800-642-2444 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
4. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES WITH THE APPROPRIATE AGENCIES.
5. CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
6. ALL TRENCHES OR HOLE OPENINGS SHALL BE PROTECTED AGAINST CAVING EITHER BY SUITABLE SHORING, CAGES OR PROPER SLOPING.
7. ALL WORK AND EQUIPMENT SHALL COMPLY WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS.
8. ALL STORM DRAINS (S.D.) SHALL BE CLASS III R.C.P.
9. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH ALL UTILITY COMPANIES AND OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THIS PROJECT.
10. ALL EXCESS MATERIAL AND DEBRIS SHALL BE REMOVED FORM THE SITE AT THE CONTRACTOR'S EXPENSE.
11. THE CITY INSPECTOR SHALL BE GIVEN 24 HOURS NOTICE OF ANY CONSTRUCTION.
12. DISTANCES AND INVERTS ARE TO AND AT THE CENTER OF THE MANHOLES, DROP INLETS, OR CATCH BASINS.



GRAVEL ROAD SECTION (A/1)
Scale: 1" = 3'-0"

No	DATE	REVISION	BY
1	29 July 87	DITCH DEPTH	PLE

ENGINEERING - SURVEYING - PHOTOGRAMMETRY
HOGAN, SCHOCH & ASSOCIATES
SEBASTOPOL, CALIFORNIA

APPROVED BY: Paul L. Schoch — 18 June 1986 DATE

CITY OF SEBASTOPOL
PLEASANT HILL ROAD WATER STORAGE RESERVOIR #2

TITLE SHEET

JOB NO 0186-E005
DESIGNED BY C.R.J.
CHECKED BY: P.L.S.
DRAWN BY: L.M.
DATE: FEBRUARY 1986
Sheet 1 of 8

86-2005

SEE RETAINING WALL E/3

FOR TOP OF WALL ELEVATIONS SEE SHEET 3

CONNELLY RESIDENCE

N 81° 26' 40" E

P/L

POST & WIRE FENCE

SEE ABANDON WELL SPECIFICATIONS

Abandoned Well Casing

WELL IS UNDER FOUNDATION

PLEASANT HILL ROAD WATER STORAGE RESERVOIR NO. 2 (TANK BOTTOM ELEVATION = 305.00)

SEE GATE DETAIL F/7 TYPICAL 2 LOCATIONS

C/5

H/2

FENCE DETAIL G/7

10' GRAVEL ROAD

8" S.D.

8" A.C.P. STORM DRAIN

POWER POLE P G & E STD ELECTRICAL RISER ON S.W. SIDE OF POLE WITH WEATHERHEAD

ELEV. = 322.86

BM 29

BLACKNEY ROAD

PLEASANT HILL ROAD

24" WATER MAIN

BURIED TELEPHONE CONDUIT 2" AND ELECTRICAL CONDUIT 3" WITH PULLING LINES

E/8 SEE RETAINING WALL

R.C. ACCESS ROAD

24" WATER MAIN

TH" MAIN

POST & WIRE FENCE

24" TEE WITH BLIND FLANGE, INV. = 299.0

REFERENCE LINE N 39° 39' 00" E

NEW 2" A.C. TO CONFORM TO (E) A.C.

REMOVE TREES

24" D.I. WATERLINE

PROFILE 2 SHEET 7

24"x24" DROP INLET

TW 306.0

MANHOLE NO. 1

REMOVE (E) PAVING AND REGRADE

REMOVE (E) FENCE

PROFILE 2 SHEET 7

18"S.D.

18"x18" TEE

PROFILE 1 SHEET 7

24"x18" TEE

18" B.V.

24" B.V.

(E) 24" TEE

4' MIN TYP.

2:1 SLOPE TYP.

PROVIDE ELECTRICAL FROM EXISTING PANEL. INSTALL 3" P.V.C. CONDUIT FROM PANEL TO CORROSION CONTROL CABINET AT TANK WITH WIRE TO SUIT CORROSION CONTROL EQUIPMENT. (2-#10)

3/4" P.V.C. CONDUITS

18" A.C.P. STORM DRAIN

SLOPE TO DRAIN

STEEL POST & WIRE FENCE

PLEASANT HILL ROAD WATER STORAGE RESERVOIR NO. 1

GRAVEL ROAD

20" EUC

ORCHARD

ORCHARD ROAD

P/L

G/7 INSTALL CHAIN LINK FENCE (TYPE A) 645± ALONG BOUNDARY

1" = 20'

LEGEND

EXAMPLE OF SECTION NUMBERING SYSTEM (FOR DETAILS, SUBSTITUTE DETAIL LETTER FOR SECTION NUMBER)

A/1 — A: DESIGNATED SECTION OR DETAIL LETTER; 1: DESIGNATED SHEET NO.

EXISTING	PROPOSED	
24"SD — 24"SD	24"SD	MANHOLE AND DRAIN LINE
E — E		BURIED ELECTRICAL CONDUIT
T — T		BURIED TELEPHONE CABLE
X — X	X — X — X	CHAIN LINK FENCE
		GRAVEL ROAD
		A.C. PAVED ROAD
		OVERHEAD LIGHT AND STANDARD
305	310	FINISHED CONTOUR LINE
		TREES
(E)		EXISTING
		EASEMENT LINE
W — W		WATER LINE WITH RISER
OHE		OVER ELECTRICAL CONDUIT
OHT/TV		OVER TELEPHONE CABLE & CABLE TELEVISION
		A.C. SWALE
		FLOW LINE OF DITCH
		DIRT ROAD
305		CONTOUR LINE
		PROPERTY LINE
		POWER TELEPHONE OR JOINT POLE WITH GUY WIRE
TH"1		TEST HOLE AND NUMBER
BM 29		BENCH MARK AND NUMBER
●		CORNER MONUMENTS 1/2" IRON PIPE

6"X14" CONCRETE; 2" ASPHALT CONCRETE; 3"; 6"; FIN. GRADE; NO. 4 REBAR; 6" AGGREGATE BASE COURSE

TYPICAL CURB DETAIL H/2

SCALE 3/4" = 1'-0"

NOTE;
BENCH MARK DATUM- CITY OF SEBASTOPOL BENCH RUN JOB NO. ENGR.N-86 BENCH MARK USED IS NO. 29 RAILROAD SPIKE AT INTERSECTION OF BLACKNEY ROAD AND PLEASANT HILL ROAD. ELEV. = 322.86

RECORD DRAWING

BY RH DATE 6-10-88

No.	DATE	REVISION	BY
2	9 Sept 87	Revise Grade around Tank	P.L.S.
1	29 July 87	Revise Grades of Access Road Surrounding Tank	P.L.S.

ENGINEERING - SURVEYING - PHOTOGRAMMETRY
HOGAN, SCHOCH & ASSOCIATES
SEBASTOPOL, CALIFORNIA

APPROVED BY: Paul L. Schoch — 18 June 1986 DATE

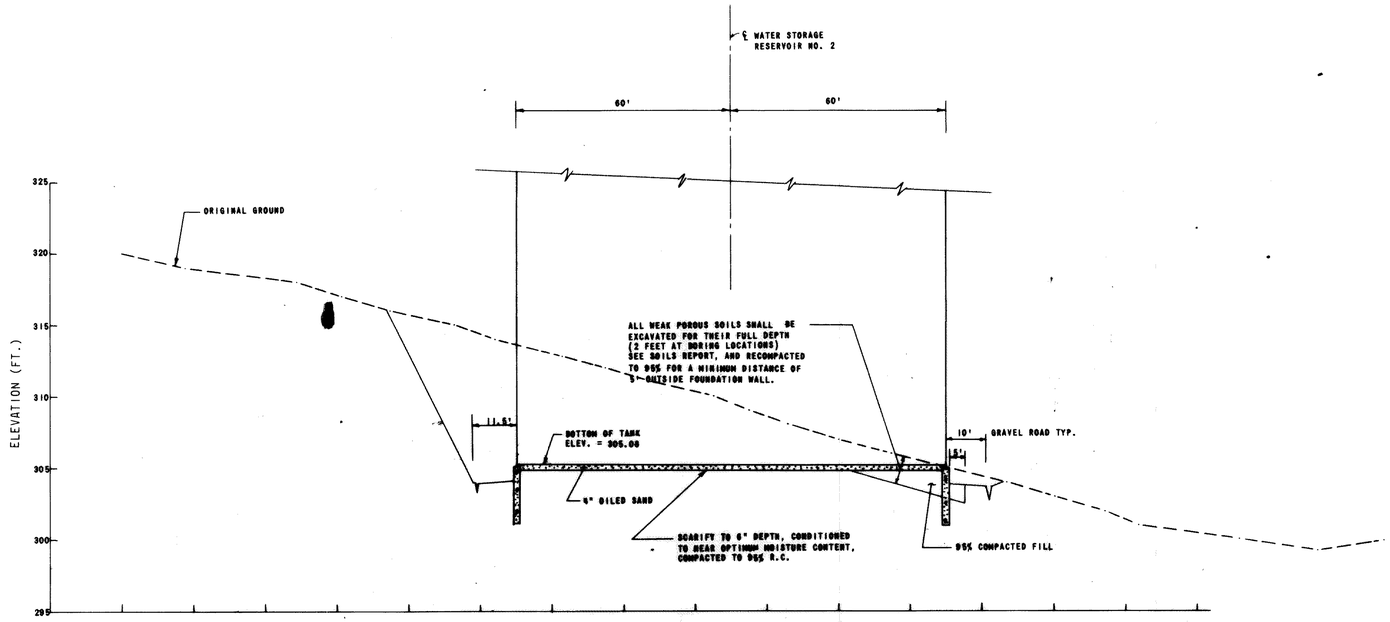
CITY OF SEBASTOPOL
PLEASANT HILL ROAD WATER STORAGE RESERVOIR #2

RESERVOIR SITE AND GRADING PLAN

Scale: 1" = 20'

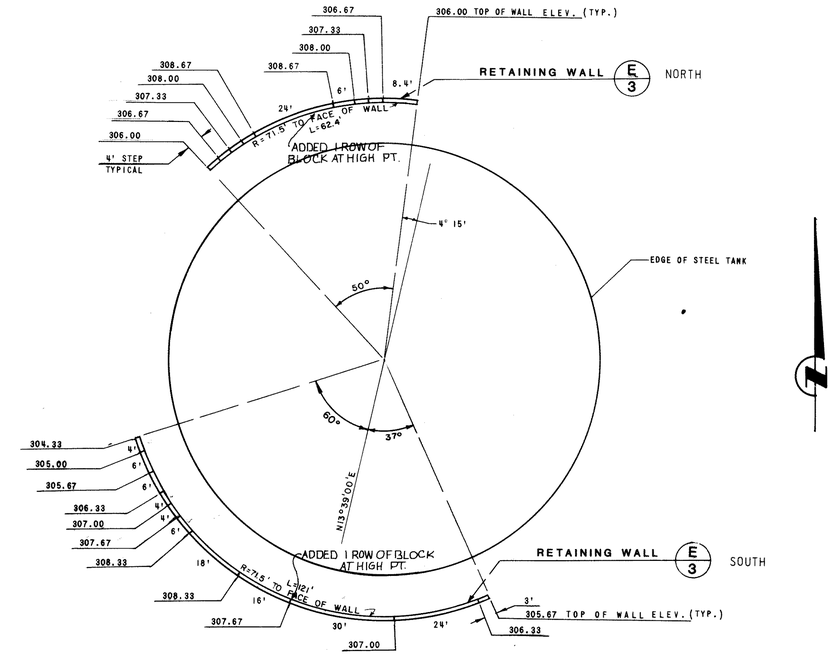
JOB NO 0186-E005
DESIGNED BY C.R.J.
CHECKED BY: P.L.S.
DRAWN BY: L.M.
DATE: FEBRUARY 1986
Sheet 2 of 8

86-0005



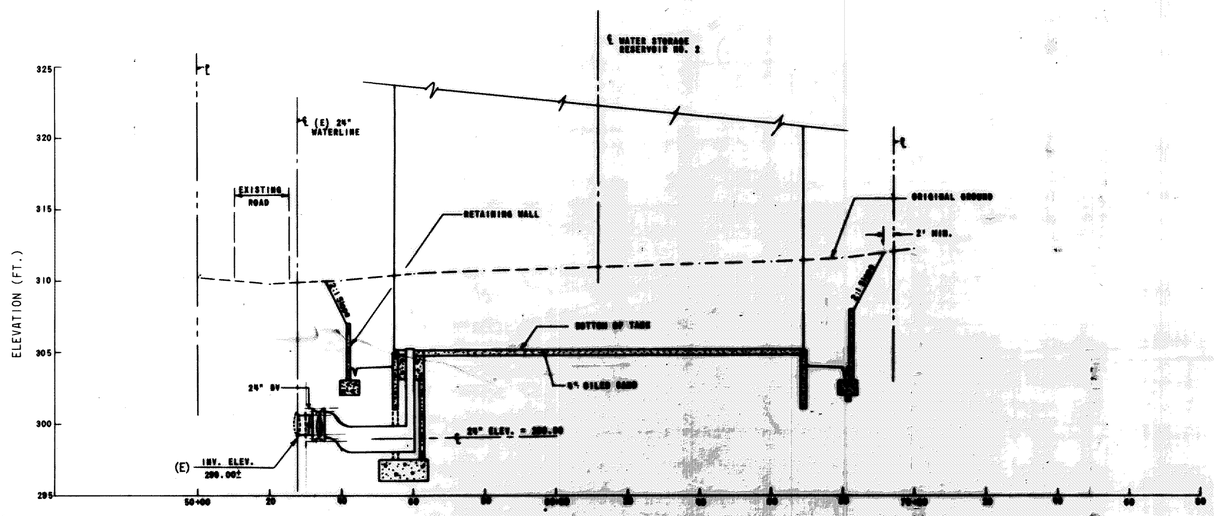
EAST-WEST PROFILE AT ℄ OF RESERVOIR (C/3)

HORIZ. 1" = 20'
VERT. 1" = 5'



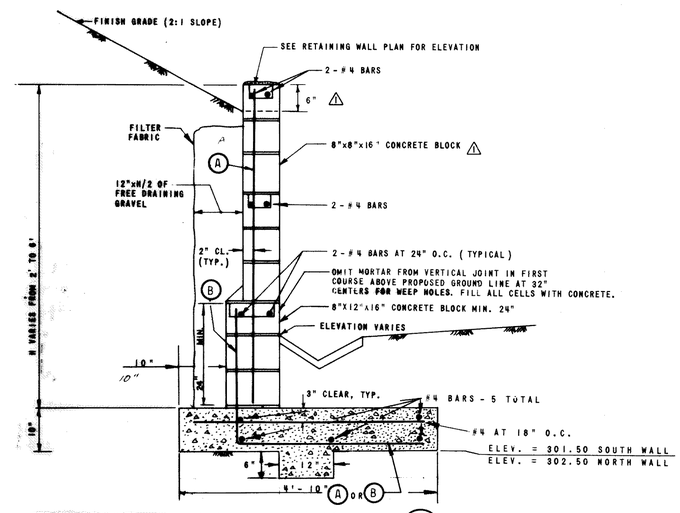
RETAINING WALL PLAN (E/3)

Scale: 1" = 20'



PROFILE @ NEW 24 WATERLINE

HORIZ. 1" = 20'
VERT. 1" = 5'



TYPICAL RETAINING WALL SECTION (E/3)

Scale; 3/4" = 1'-0"

DESIGN HEIGHT	2'	2'-8"	3'-4"	4'	4'-8"	5'-4"	6'
W	2'-6"	3'-0"	3'-6"	3'-10"	4'-2"	4'-6"	4'-10"
(A)	#4 AT 16"	#4 AT 16"	#4 AT 16"	#4 AT 16"	#4 AT 8"	#4 AT 16"	#4 AT 16"
(B)	–	–	–	–	–	#4 AT 8"	#4 AT 8"
HEIGHT 8"X8"X16"	24"	32"	40"	48"	56"	40"	48"
⚠ HEIGHT 8"X12"X16"	–	–	–	–	–	24"	24"

RECORD DRAWING

BY R.H. DATE 6.10.88

No.	DATE	REVISION	BY
⚠ 7	6/6/88	CORRECTED STRUCTURE OF BLOCK AND BACKFILL FREEBOARD	RJH

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HOGAN, SCHOCH & ASSOCIATES
SEBASTOPOL , CALIFORNIA

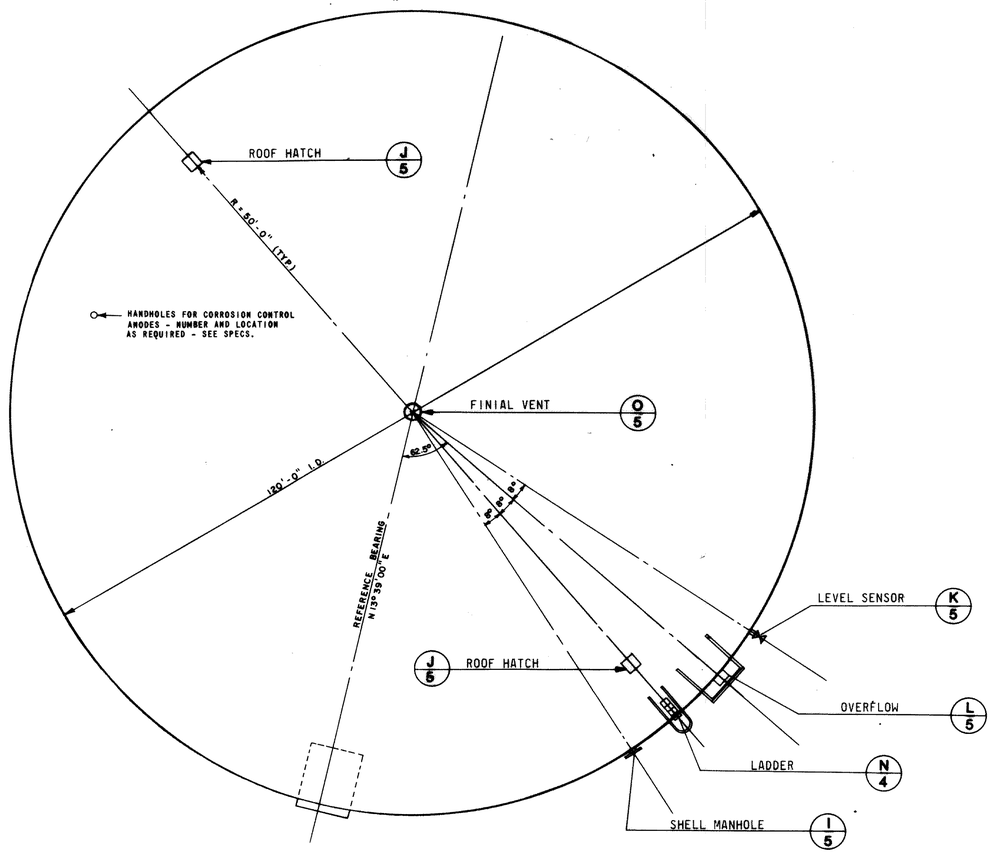
APPROVED BY: Paul F. Schoch 18 June 1986 DATE

CITY OF SEBASTOPOL
PLEASANT HILL ROAD WATER STORAGE RESERVOIR #2

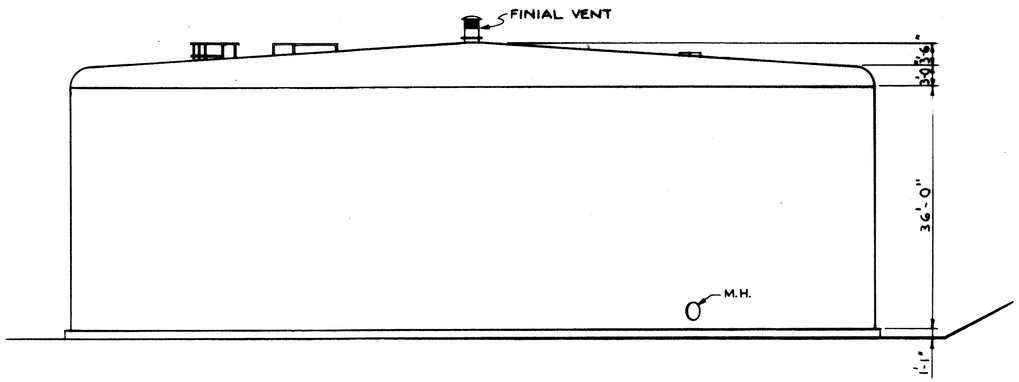
RESERVOIR SECTIONS AND RETAINING WALLS

JOB NO. 0186-E005
DESIGNED BY: C.R.J.
CHECKED BY: P.L.S.
DRAWN BY: L.M.
DATE: FEBRUARY 1986
Sheet 3 of 8

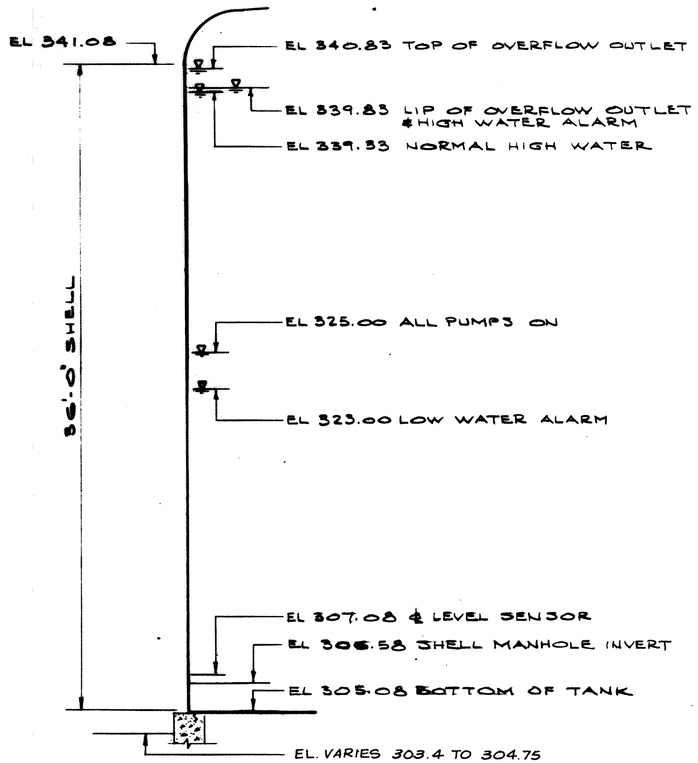
X-E005



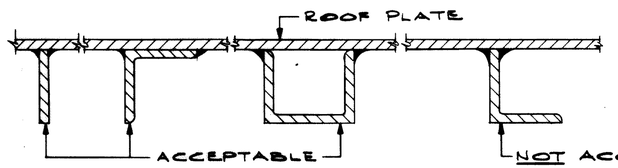
TANK PLAN
SCALE: 3/32" = 1'-0"



TANK ELEVATION
SCALE: 3/32" = 1'-0"

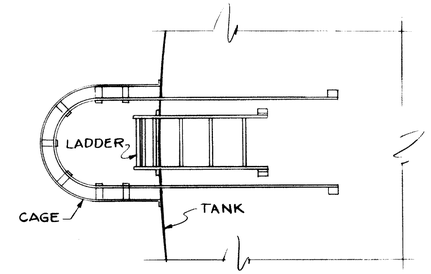


ELEVATIONS
SCALE: 1/4" = 1'-0"

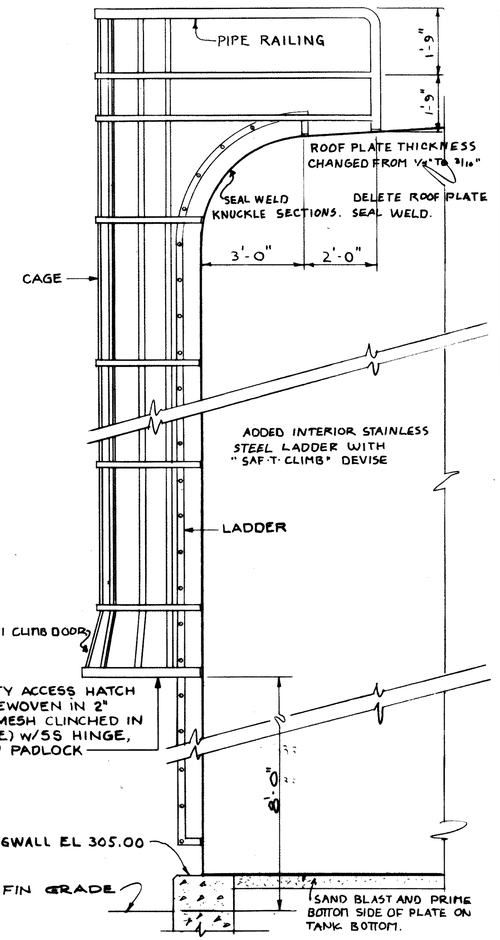


NOTE:
ALL FRAMING MUST BE WELDED CONTINUOUSLY ON BOTH SIDES.

ROOF SUPPORT DETAIL
SCALE: NONE



LADDER PLAN
SCALE: 1/2" = 1'-0"



LADDER ELEVATION
SCALE: 1/2" = 1'-0"
N/4

RECORD DRAWING
BY R.H. DATE 6-10-88

No.	DATE	REVISION	BY

ENGINEERING - SURVEYING - PHOTOGRAMMETRY
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SEBASTOPOL, CALIFORNIA

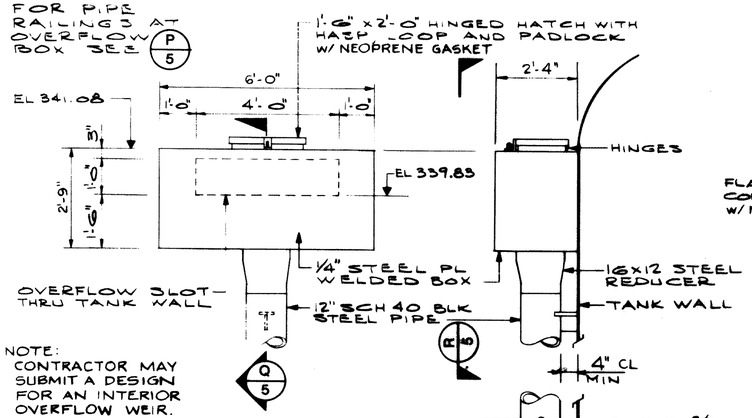
APPROVED BY: Paul E. Schoch 18 June 1986 DATE

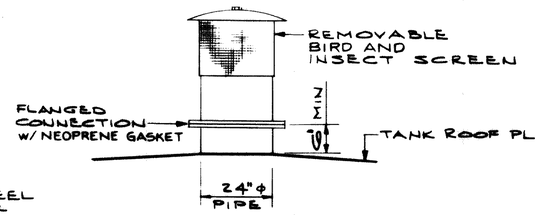
CITY OF SEBASTOPOL
PLEASANT HILL ROAD WATER STORAGE RESERVOIR #2

STEEL TANK RESERVOIR
PLAN, ELEVATIONS AND DETAILS

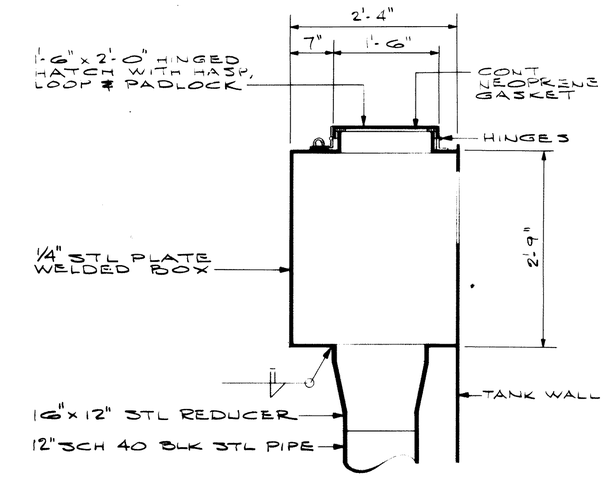
JOB NO 0186-E005
DESIGNED BY C.R.J.
CHECKED BY: P.L.S.
DRAWN BY: L.M.
DATE: FEBRUARY 1986
Sheet 4 of 8

86-E005

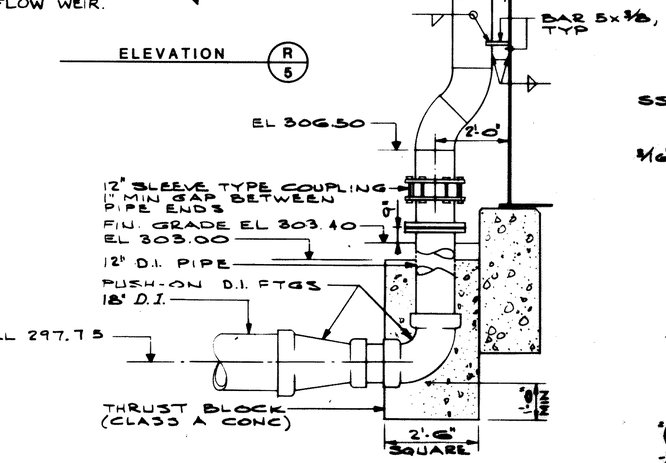




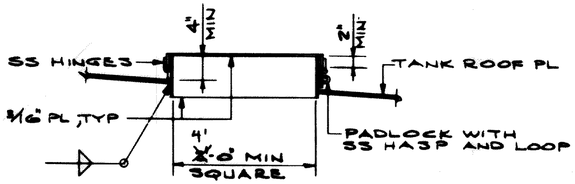
FINIAL VENT DETAIL O/5
SCALE: 1/2" = 1'-0"



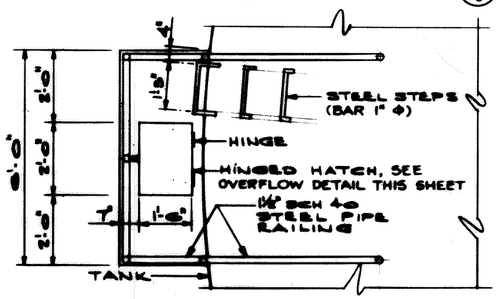
SECTION Q/5
SCALE: 1" = 1'-0"



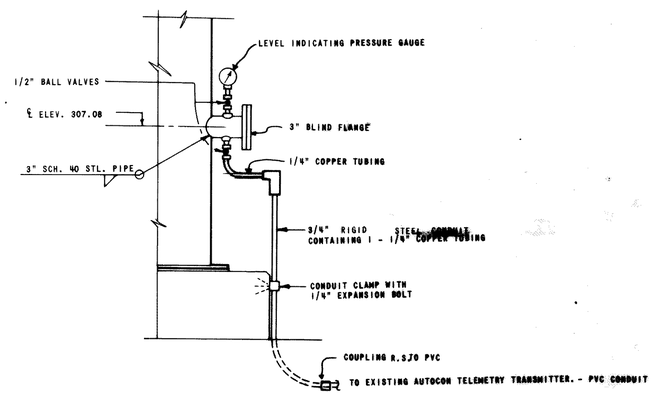
OVERFLOW DETAIL L/5
SCALE: 1/2" = 1'-0"



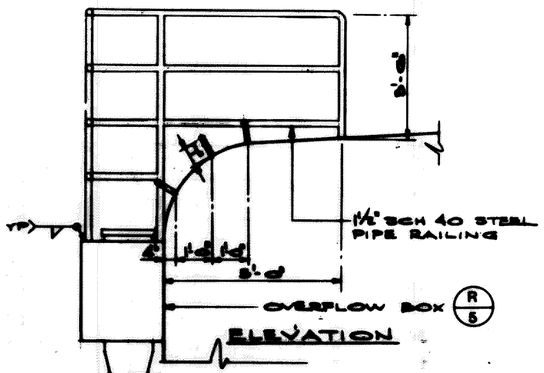
ROOF HATCH DETAIL J/5
SCALE: 1" = 1'-0"



PLAN

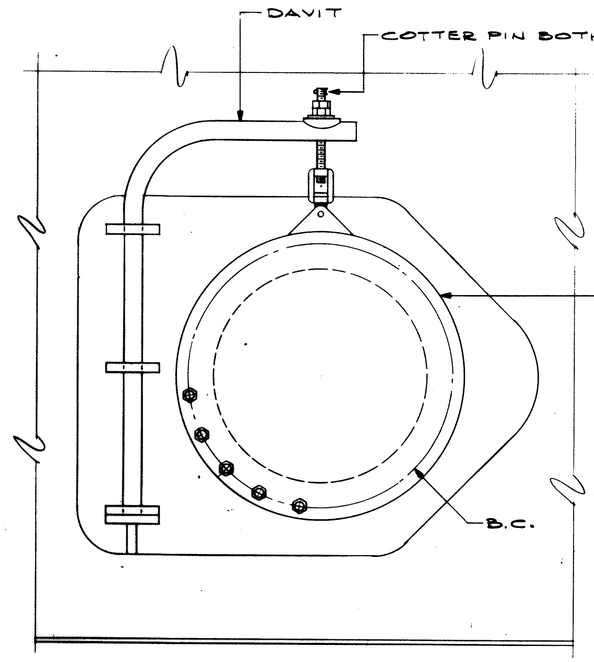


TANK LEVEL SENSING

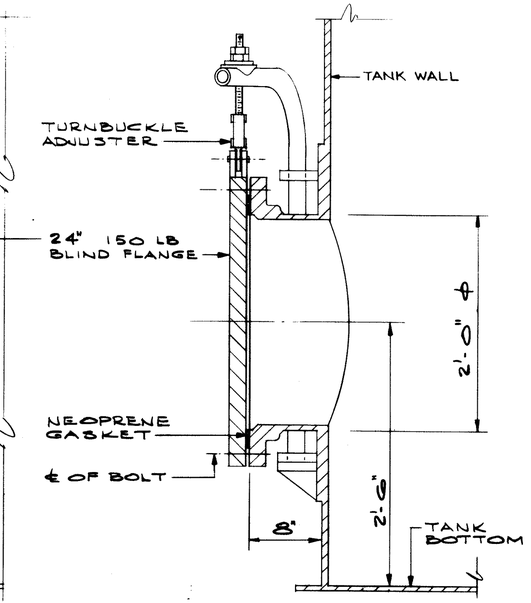


ELEVATION

OVERFLOW ACCESS P/5
SCALE: 1/2" = 1'-0"



ELEVATION



SECTION

R.H. 6-10-88

SHELL MANHOLE I/5
SCALE: 1/2" = 1'-0"

NOTE:
CONTRACTOR MAY SUBSTITUTE MANHOLE OF A PROPRIETARY DESIGN. MANHOLE MUST CONFORM TO AWWA STANDARD D-100.

RECORD DRAWING
BY R.H. DATE 6-10-88

NO.	DATE	REVISION	BY

ENGINEERING - SURVEYING - PHOTOGRAMMETRY
HOGAN, SCHOCH & ASSOCIATES
SEBASTOPOL, CALIFORNIA

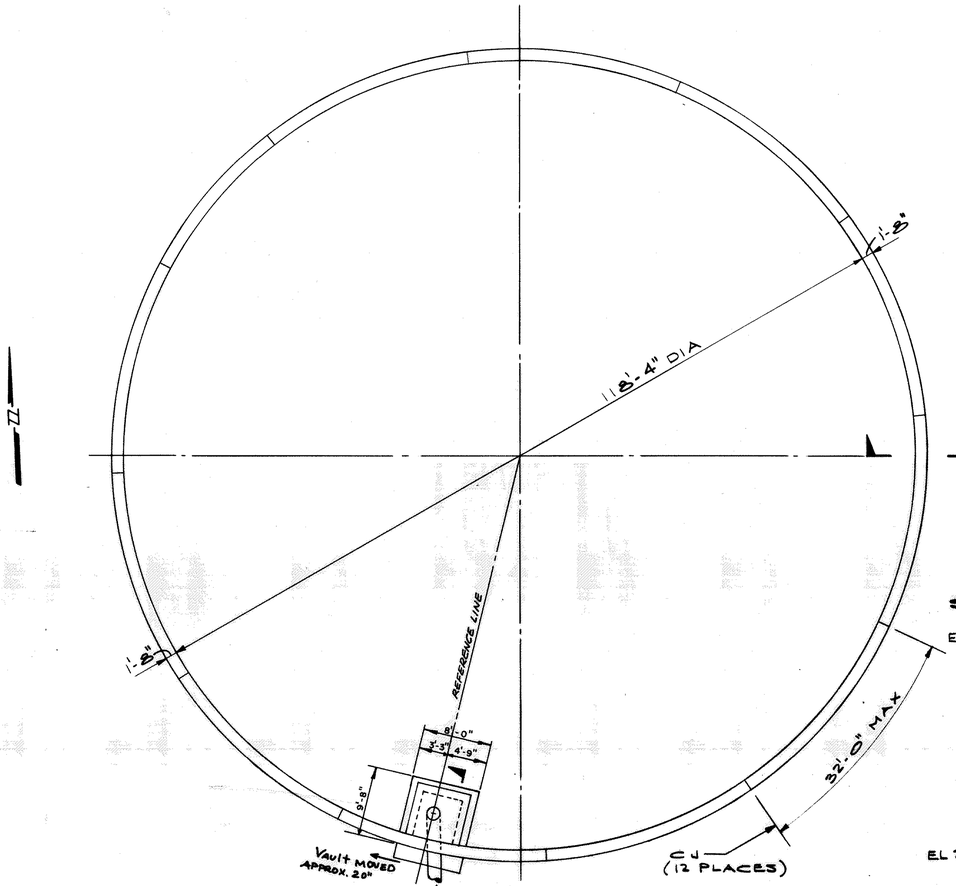
APPROVED BY: Paul L. Schoch
18 June 1986
DATE

CITY OF SEBASTOPOL
PLEASANT HILL ROAD WATER STORAGE RESERVOIR #2

STEEL TANK RESERVOIR - DETAILS

JOB NO 0186-E005
DESIGNED BY C.R.J.
CHECKED BY P.L.S.
DRAWN BY L.M.
DATE FEBRUARY 1986
Sheet 5 of 8

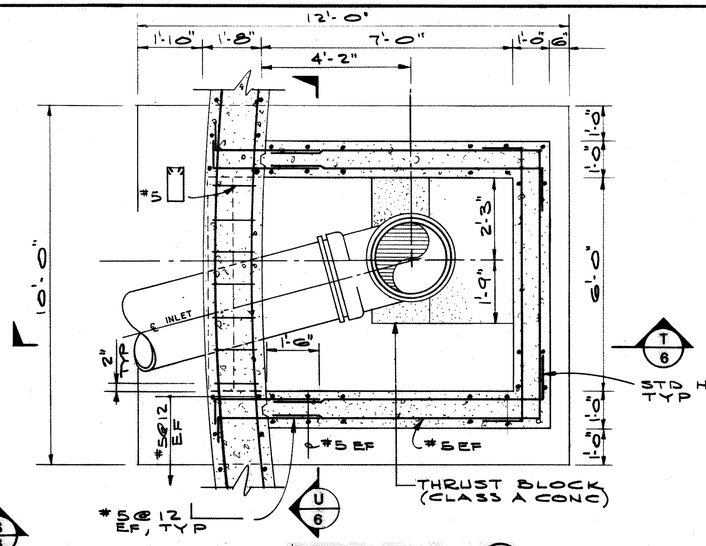
86-E005



T/6

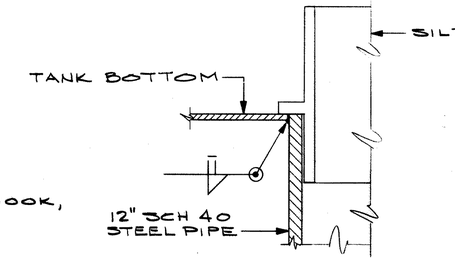
FOUNDATION PLAN

SCALE: 3/32" = 1'-0"



SECTION

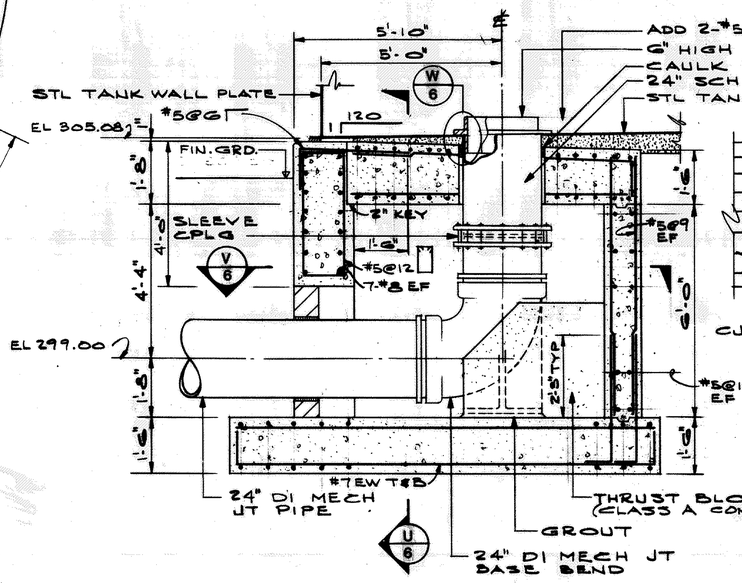
SCALE: 1/2" = 1'-0" V/6



DETAIL

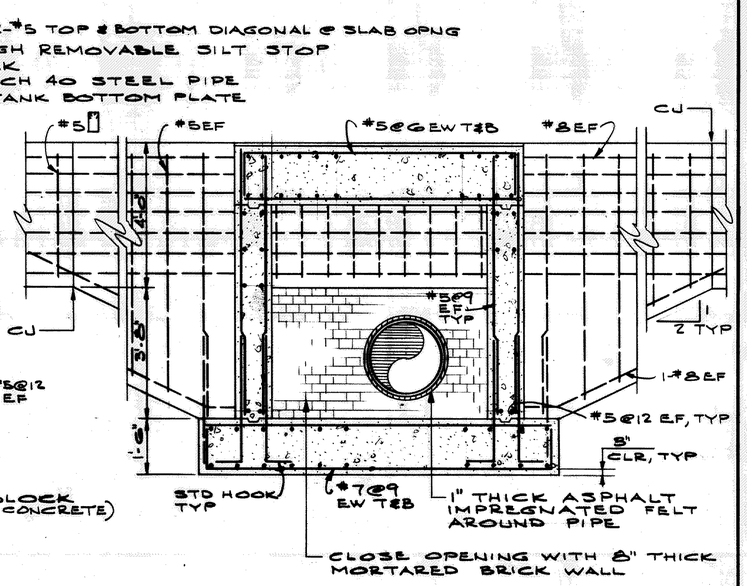
SCALE: 3"=1'-0" W/6

NOTE:
UNDER SPREAD FOOTINGS AND EXTENDING TWICE THE WIDTH OF THE FOOTING PLACE A BASE OF A MINIMUM OF SIX INCHES OF CLASS II A.B. COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY. PRIOR TO PLACING BASE MATERIAL AND OILED SAND, IN SITU AND/OR FILL MATERIALS SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY.



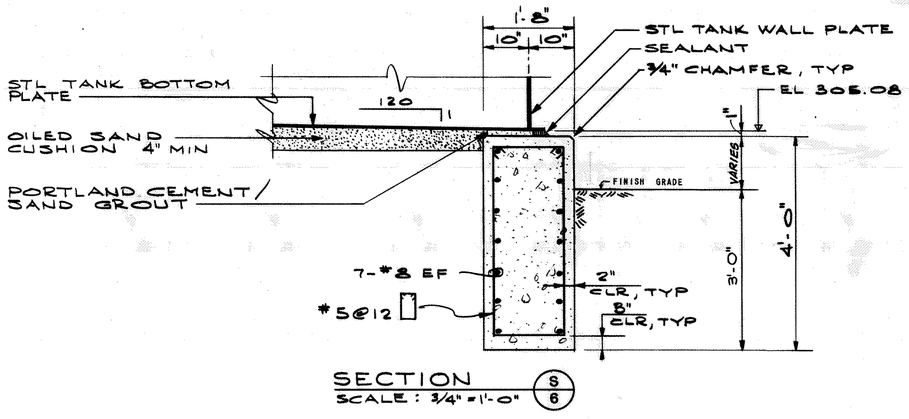
SECTION

SCALE: 1/2"=1'-0" T/6



SECTION

SCALE: 1/2"=1'-0" U/6



SECTION

SCALE: 3/4" = 1'-0" S/6

GENERAL NOTES:

1. ALL CONCRETE SHALL BE CLASS A HAVING A COMPRESSIVE STRENGTH OF 3000 PSI AT THE END OF 28 DAYS.
2. ALL CONCRETE CONSTRUCTION & REINFORCING BAR DETAILS SHALL CONFORM TO THE LATEST A.C.I. CODE & MANUAL.
3. ALL REINFORCING SHALL BE INTERMEDIATE GRADE CONFORMING TO ASTM A615, GRADE 60.
4. UNLESS OTHERWISE NOTED, CONTINUOUS REINFORCEMENT SHALL BE LAPPED 45 BAR DIA FOR NO.8 BARS & SMALLER. SPLICES OF ADJACENT BARS SHALL BE STAGGERED.
5. MINIMUM CLEAR DISTANCE BETWEEN REINFORCING & FACE OF CONCRETE SHALL BE AS NOTED ON THE DETAILS.
6. AT LEAST TWO HOURS SHALL ELAPSE AFTER DEPOSITING CONCRETE IN WALLS, BEFORE DEPOSITING CONCRETE IN SLABS SUPPORTED THEREON.

RECORD DRAWING
BY RH DATE 6-10-88

No.	DATE	REVISION	BY

ENGINEERING - SURVEYING - PHOTOGRAMMETRY
HOGAN, SCHOCH & ASSOCIATES
SEBASTOPOL, CALIFORNIA

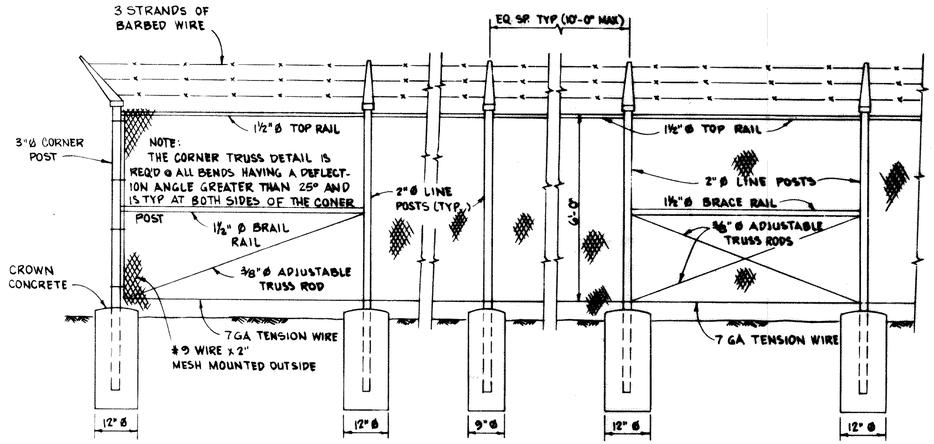
APPROVED BY: Paul J. Schoch 18 June 1986 DATE

CITY OF SEBASTOPOL
PLEASANT HILL ROAD WATER STORAGE RESERVOIR #2

RESERVOIR STEEL TANK
FOUNDATION PLAN AND SECTIONS

JOB NO. 0186-E005
DESIGNED BY: C.R.J.
CHECKED BY: P.L.S.
DRAWN BY: L.M.
DATE: FEBRUARY 1986
Sheet 6 of 8

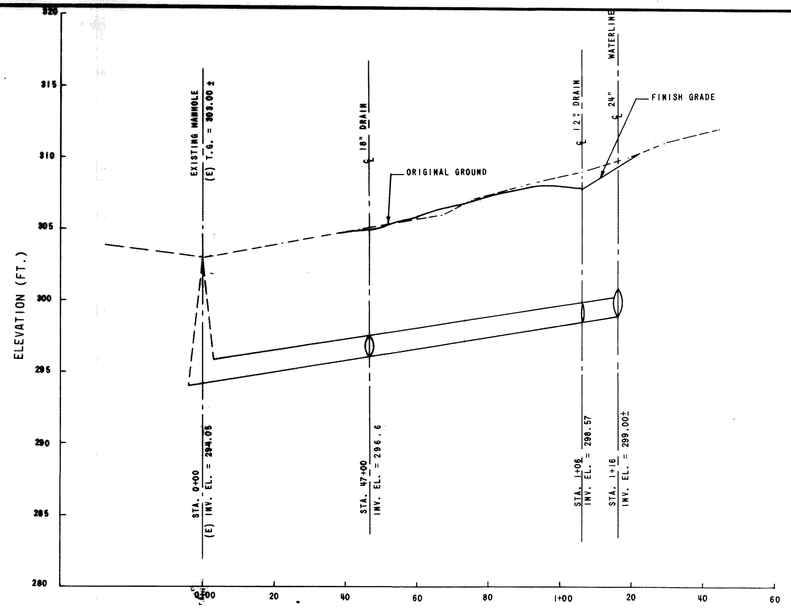
86-E005



CORNER TRUSS

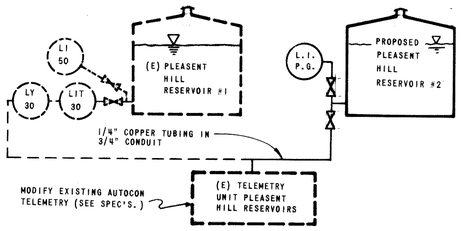
TYPICAL LINE POST

LINE TRUSS
AT EVERY 500 FT BETWEEN CORNER POSTS



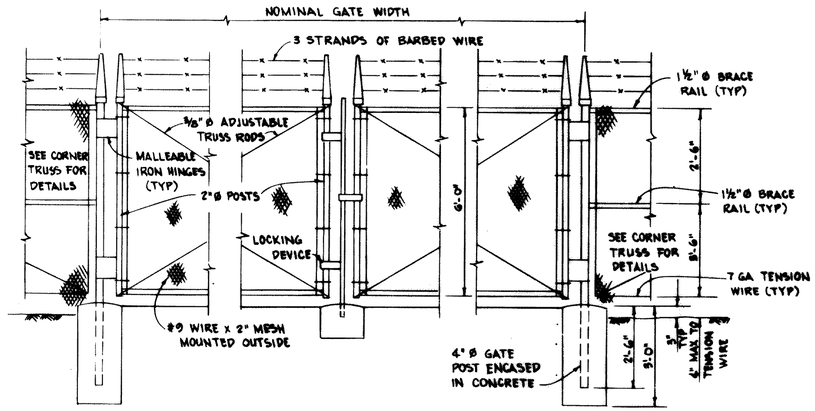
18" OVERFLOW DRAIN PROFILE NO. 1

HORIZ: 1" = 20'
VERT: 1" = 5'



SCEMATIC FOR LEVEL SENSOR

N.T.S.

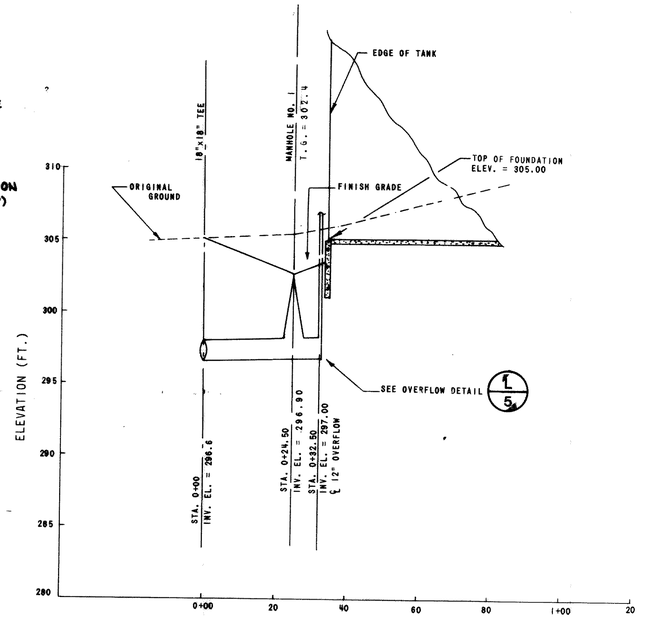


DOUBLE GATE

TYPE 'A' CHAIN LINK FENCE DETAILS
NO SCALE

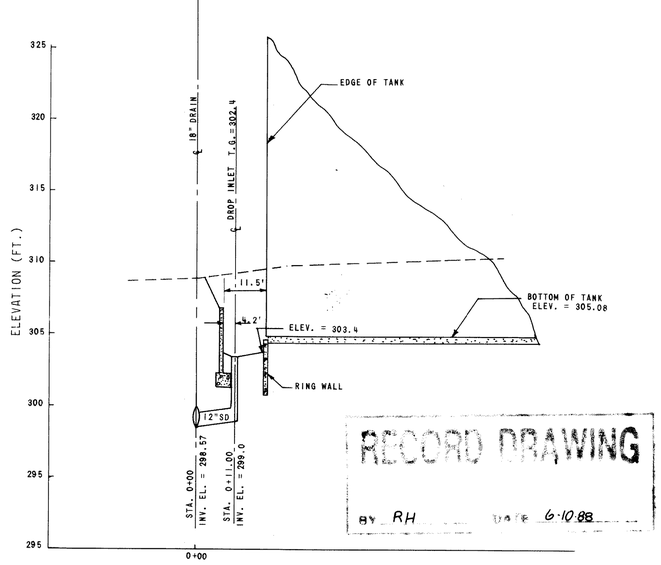
NOTES:

1. ALL POSTS AND RAILS TO BE SCHED. 40 PIPE (GALV)
2. ALL FENCES SHALL BE FULLY GROUNDED, AS SPECIFIED.
3. BOTTOM SELVAGES SHALL BE NOT MORE THAN 1" ABOVE FINISHED GRADE.
4. BACKFILL WILL NOT BE PERMITTED UNDER THE FENCE LINE.
5. FENCES ALONG THE TOP OF SLOPES WILL BE SET BACK NOT LESS THAN 1 FT AT ALL POINTS.
6. GALVANIZE ALL HARDWARE, RODS AND WIRES.



18" OVERFLOW DRAIN PROFILE NO. 2

HORIZ: 1" = 20'
VERT: 1" = 5'



RECORD DRAWING
BY RH DATE 6-10-88

12" STORM DRAIN PROFILE NO. 3

HORIZ: 1" = 20'
VERT: 1" = 5'

No.	DATE	REVISION	BY

ENGINEERING - SURVEYING - PHOTOGRAMMETRY
HOGAN, SCHOCH & ASSOCIATES
SEBASTOPOL, CALIFORNIA

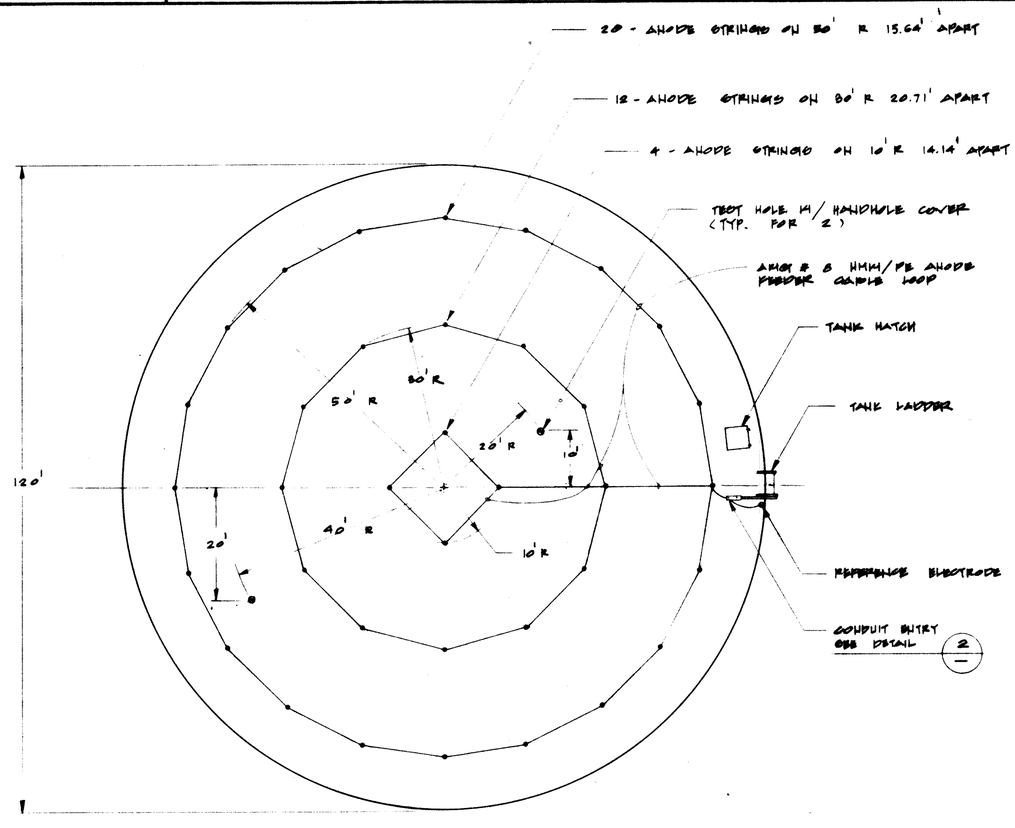
APPROVED BY: Paul L. Schoch 18 June 1986 DATE

CITY OF SEBASTOPOL
PLEASANT HILL ROAD WATER STORAGE RESERVOIR #2

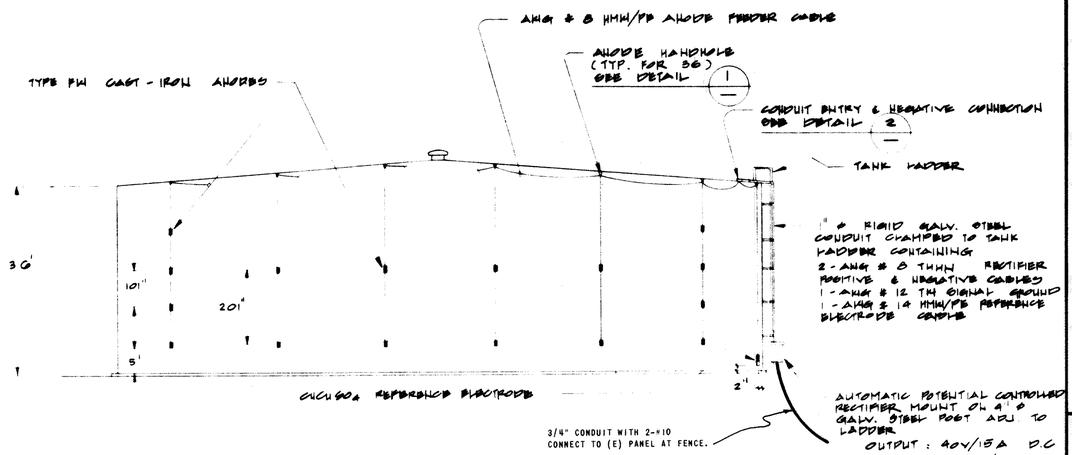
FENCE AND PIPING PROFILES

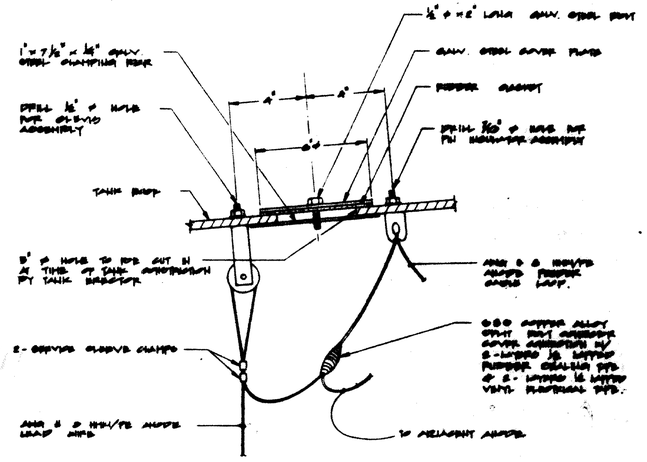
JOB NO. 0186-E005
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Sheet 7 of 8

86-E005

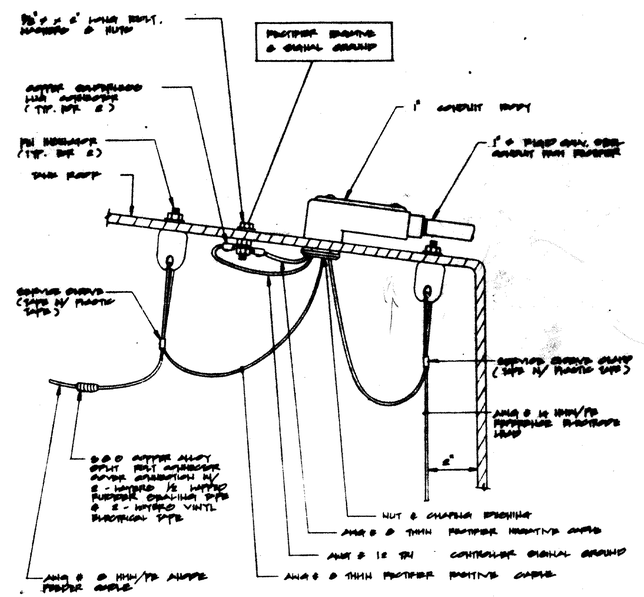


PLAN





DETAIL 1 ANODE HANDHOLE
N.T.S.



DETAIL 2 CONDUIT ENTRY
N.T.S.

BY RH. DATE 6-10-88

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NO.	DATE	BY	REVISION

REFERENCE DRAWINGS

CATHODIC PROTECTION SYSTEM

3,000,000 GALLON RESERVOIR NO. 2
PLEASANT HILL WATER STORAGE RESERVOIR
CITY OF PETALUMA, CALIFORNIA

PREPARED FOR:

HOGAN, SCHOCH & ASSOC., INC.
258 PETALUMA AVE
SEBASTOPOL, CA 95472
Paul L. Schoch 18 June 1986

DESIGNED BY:	RBH
CHECKED BY:	RBH
DRAWN BY:	MD
DATE:	1/86
SCALE:	NONE
SHEET	OF 1
DRAWING NUMBER:	D-0821

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SHEET 8 OF 8

86-0005