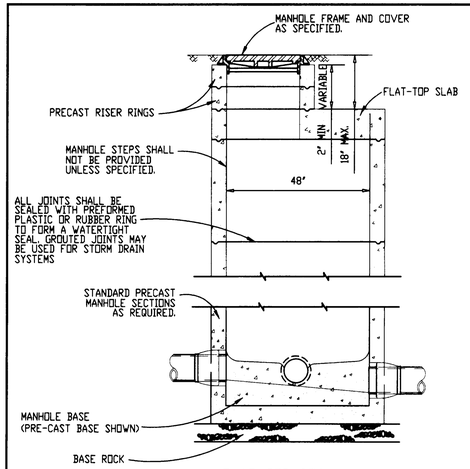
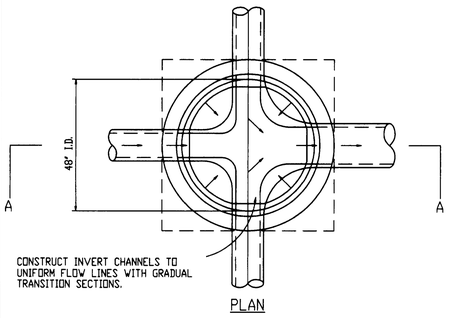


FLAT-TOP SECTION

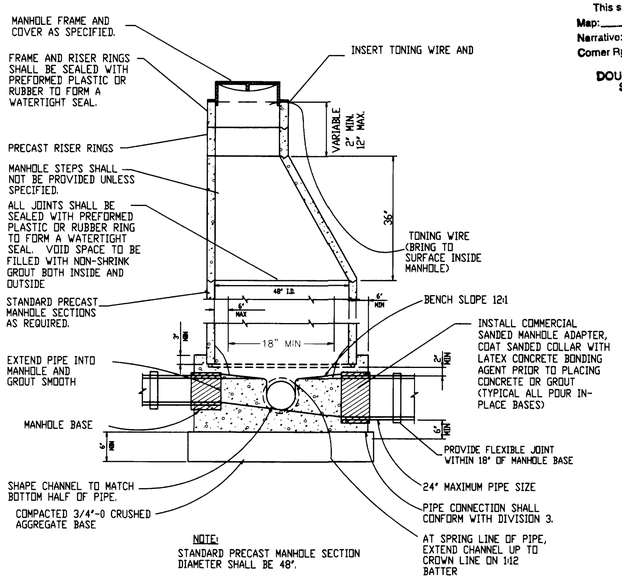


PLAN

MANHOLE BASE SECTION

1 SS3 SEWER MANHOLE
N.T.S.

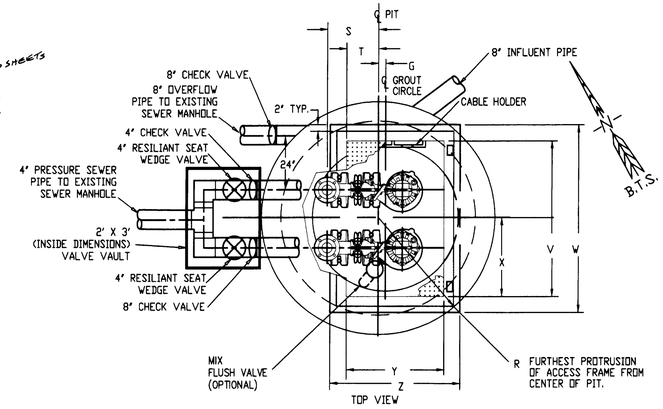
ECCENTRIC CONE MANHOLE



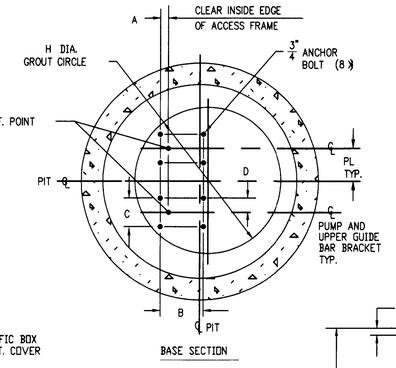
NOTE:
STANDARD PRECAST MANHOLE SECTION DIAMETER SHALL BE 48".

SECTION A-A

FILED
Date: 9-29-1999 By: JP
This survey consists of: 13 SHEETS
Map:
Narrative:
Corner Rpt:
DOUGLAS COUNTY SURVEYOR



TOP VIEW



BASE SECTION

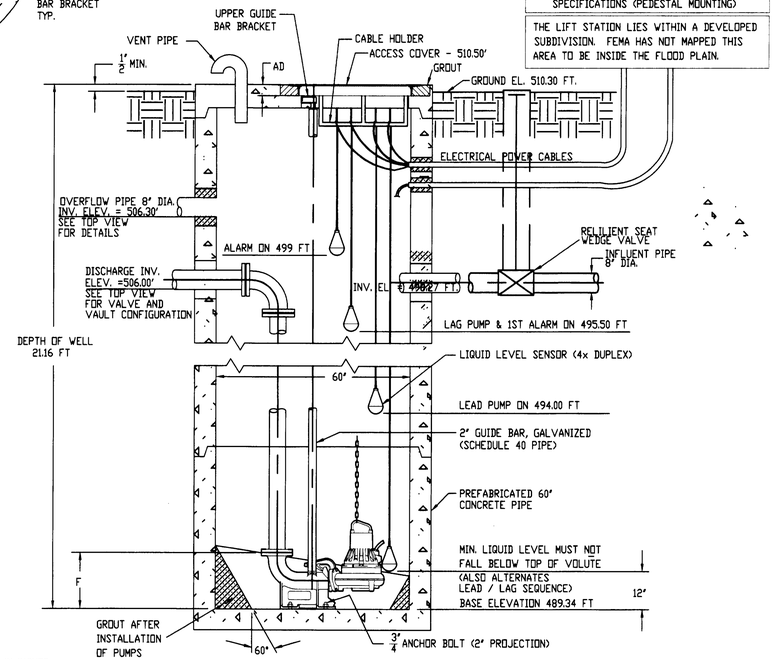
SEWAGE PUMP STATION DESIGN DATA:

PROPOSED OWNER: GREEN SANITARY DISTRICT

PUMP STATION PUMPS	FLYGT - CP3085.182 - MT OR APPROVED EQUAL BY ENGINEER
TYPE	SUBMERSIBLE DUPLEX SELF PRIMING
PUMP TYPE	3 HP, NON-CLOG
POWER SUPPLY	240/60/3 PHASE SUPPLIED BY PACIFIC POWER. PACIFIC POWER'S OFFICE AND EQUIPMENT IS LOCATED LESS THAN 3 MILES AWAY FROM THE PROPOSED PUMP STATION
CAPACITY	PUMPS SHALL PUMP 150 GPM @ A MAXIMUM OF 17' OF DYNAMIC HEAD
LEVEL CONTROL TYPE	4X DUPLEX
CONTROL PANEL	THE CONTROL PANEL SHALL HAVE A 240V RECEPTACLE FOR A 6KW GENERATOR. THE GENERATOR SHALL BE NECCESSARY FOR THE FUTURE DEVELOPMENT BEYOND BRIARWOOD SUBDIVISION.
BRIARWOOD AVERAGE FLOW	6.3 GALLONS PER MINUTE
AVERAGE FUTURE FLOW	17.5 GALLONS PER MINUTE
EPA RELIABILITY CLASS	CLASS III
OVERFLOW POINT	EXISTING MANHOLE AT THE INTERSECTION OF KERMANSHAW & TANNHAUSER
OVERFLOW DISCHARGE	THE OVERFLOW CAN FLOW THE SAME EXISTING MANHOLE THAT THE LIFT STATION PUMPS INTO. THE SEWER WILL BACK UP INTO THE BRIARWOOD SUBDIVISION SEWER SYSTEM THEN OVERFLOW INTO THE EXISTING MANHOLE BY GRAVITY.
AVERAGE OVERFLOW TIME	THE AVERAGE TIME OF OVERFLOW @ FULL DEVELOPMENT OF BRIARWOOD SUBDIVISION IS 14 HOURS & 30 MINUTES. THE AVERAGE TIME OF OVERFLOW @ FULL FUTURE DEVELOPMENT IS 5 HOURS & 10 MINUTES.
ALARM TELEMETRY TYPE	AUTODIALER
FORCE MAIN LENGTH, TYPE	136 FEET OF 4" PIPE COMPLYING WITH ASTM D 2241, ASTM D 1784 AND HAVE A WORKING PRESSURE RATING OF 200 PSI.
PROFILE	THE PRESSURE LINE SHALL BE LAID AT A LEVEL GRADE FROM THE PUMP STATION TO THE EXISTING MANHOLE
DISCHARGE MANHOLE	THE DISCHARGE MANHOLE IS AN EXISTING SEWER MANHOLE LOCATED ON THE INTERSECTION OF KERMANSHAW ST. AND TANNHAUSSER AVE.

CONTROL CENTER SUBJECT TO ENGINEER'S SPECIFICATIONS (PEDESTAL MOUNTING)

THE LIFT STATION LIES WITHIN A DEVELOPED SUBDIVISION. FEMA HAS NOT MAPPED THIS AREA TO BE INSIDE THE FLOOD PLAIN.

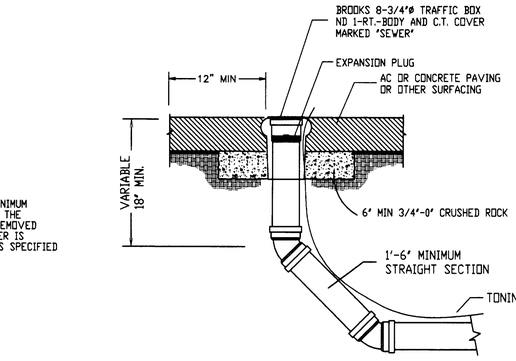


ALL DIMENSIONS IN INCHES

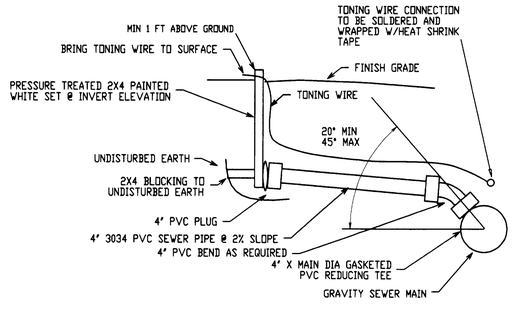
DIMENSIONAL CHART

NOM. SIZE	VERSION	STATION A	B	C	D	F	G	H	R	S	T	ID	CV	M W	P L	COVER SIZE	V	W	X	Y	Z	AD
4"	MT	2 3/4	9 7/8	7 3/4	3 3/8	15 3/4	1	45	36	16 1/2	10	60	11 1/2	12	9	FAPS-34 x 49	48	59	24	30	44	3

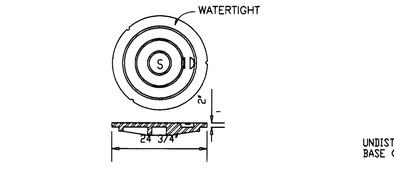
5 SS3 SEWER LIFT STATION
N.T.S.



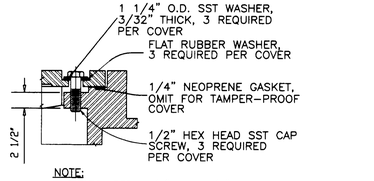
3 SS3 SEWER MAIN CLEANOUT
N.T.S.



4 SS3 SEWER SERVICE CONNECTION
N.T.S.

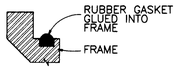


CAST IRON TAMPERPROOF & WATERTIGHT
(FRAMES AVAILABLE IN STANDARD OR SUBURBAN PATTERN)



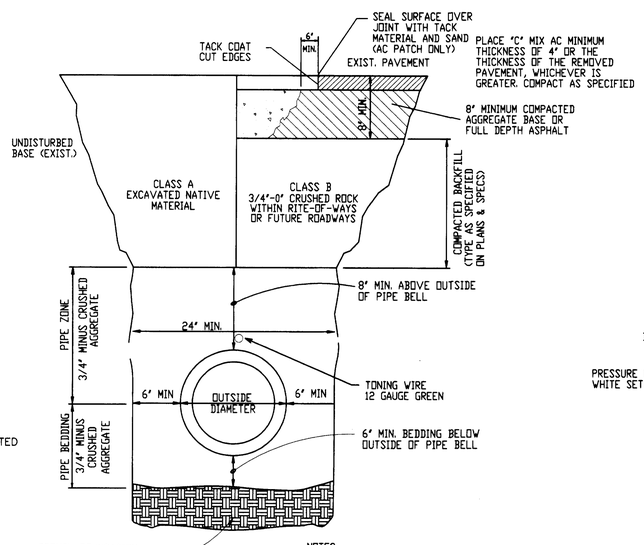
NOTE:
3 REQUIRED, 1/2" x 1 1/4" PENTAGONAL OR HEXAGONAL HEAD, BRONZE OR CAD. PLATED. INSTALL FRAME SO THAT ONE BOLT BOSS IS LOCATED OVER THE MANHOLE LADDER.

BOLT-DOWN DETAIL
(FOR TAMPERPROOF AND WATERTIGHT)



WATERTIGHT GASKET DETAIL

6 SS3 WATERTIGHT MANHOLE LIDS
N.T.S.



NOTES:
1. ALL EXISTING AC OR PCC PAVEMENT SHALL BE SAWCUT PRIOR TO REPAVING.

2 3SS TYPICAL TRENCH DETAIL
N.T.S.

REGISTERED PROFESSIONAL ENGINEER OREGON JULY 13, 1979 DAVID G PHILIPPI
EXPIRES 12/31/98

PROJECT:	BRIARWOOD SUBDIVISION
DEVELOPER:	BEACON DEVELOPMENT
SHEET TITLE:	SEWER DETAILS

DATE: JULY 27, 1998
REV. 1: AUGUST 25,1998
REV. 2: OCT. 1, 1998
REV. 3: OCT. 26, 1998

BTS ENGINEERING & SURVEYING, INC.
431 S.E. MAIN ST., ROSEBURG, OR 97470
PHONE (541) 673-0966 FAX (541) 673-0105

JOB #: 97-131
SHEET SS3 OF 3

381SEWR3

CO. RD. # 381C, 381D, 381E

SHEET 10 OF 13