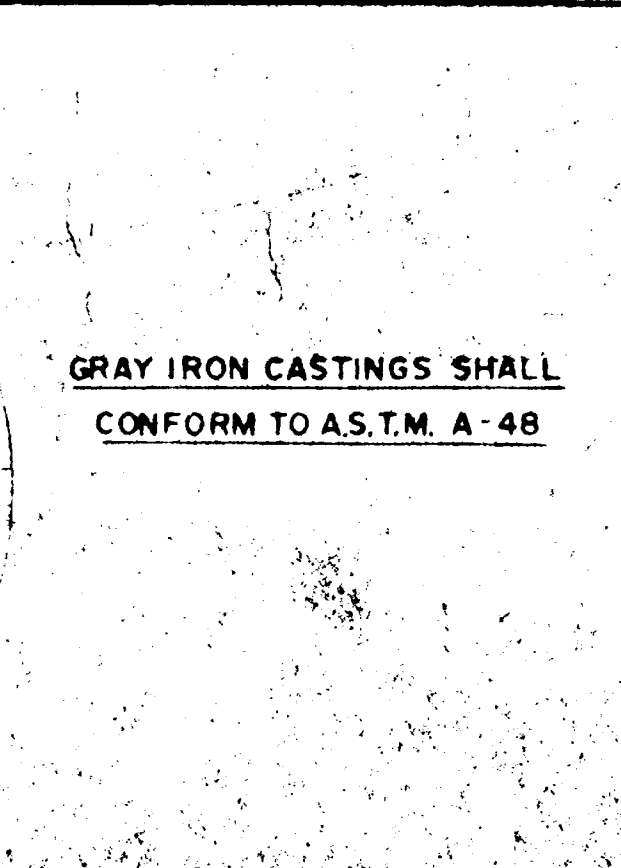
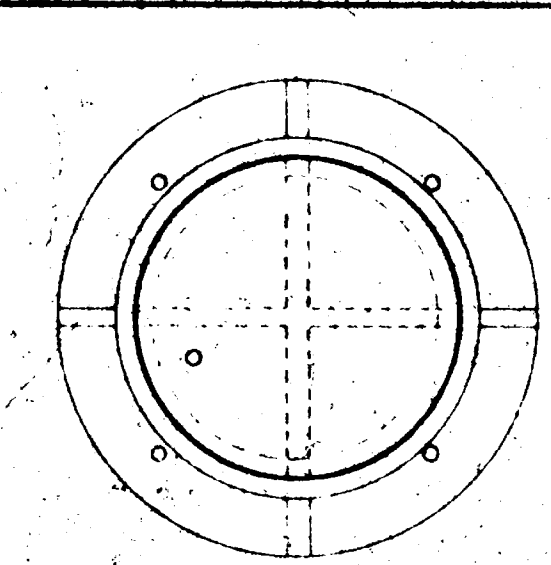


STANDARD

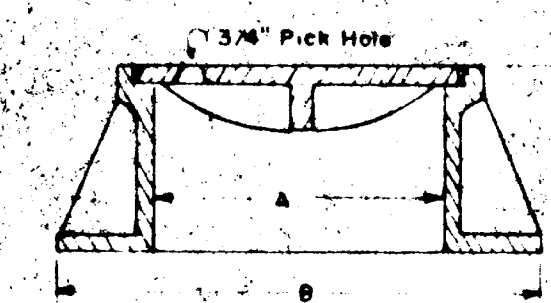


WATERTIGHT

GRAY IRON CASTINGS SHALL CONFORM TO A.S.T.M. A-48



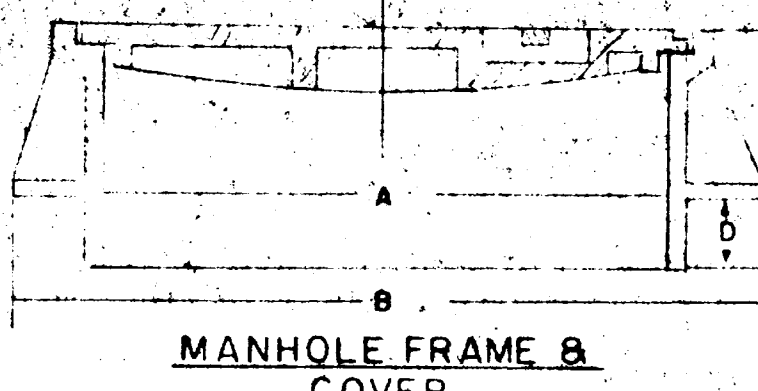
PLAN



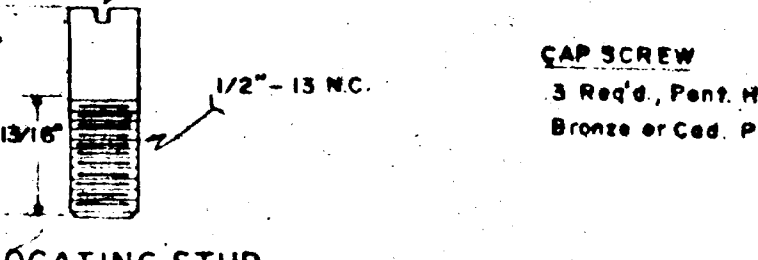
CLEANOUT

FRAME AND COVER

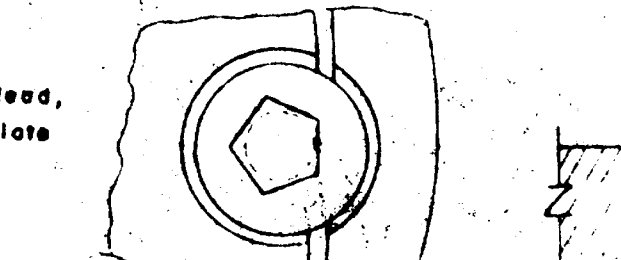
TYPE	DIMENSION IN INCHES				WEIGHT IN LBS.	
	A	B	C	D	FRAME	COVER
MANHOLE	23	31	10	3	240	140
CLEANOUT-8" CSP	12	20	7 3/4	--		
CLEANOUT-6" CSP	9	11 1/2	6 3/4	--		



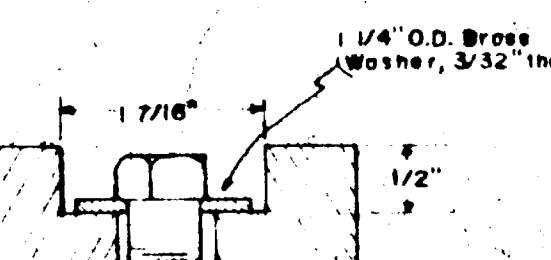
MANHOLE FRAME & COVER



LOCATING STUD

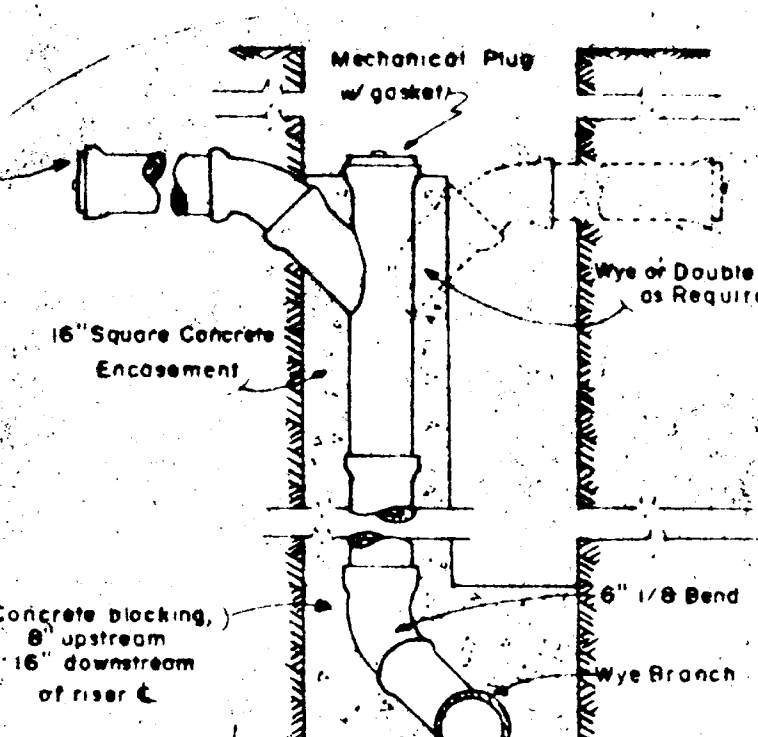


CAP SCREW



1/4" O.D. BRASS WASHER, 3/32" THICK

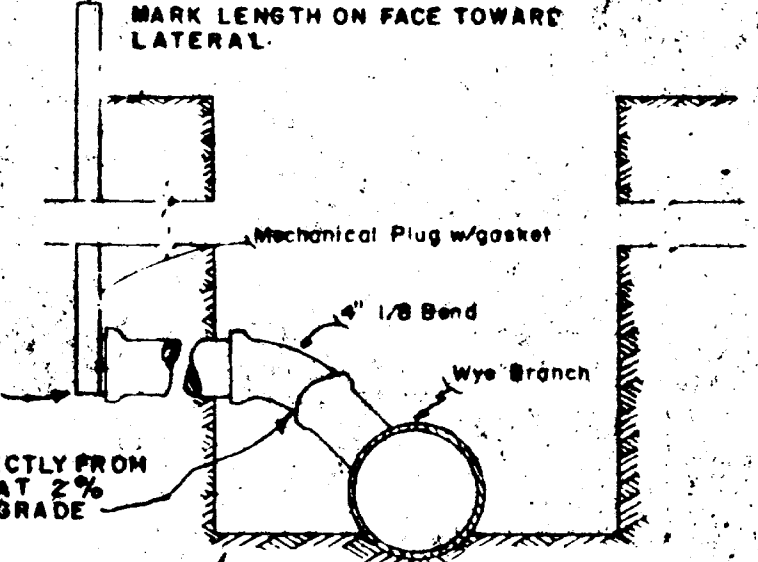
TAMPERPROOFING for MANHOLE COVERS NOT TO SCALE



STANDING CONNECTION

SCALE 1/2"=1'-0"

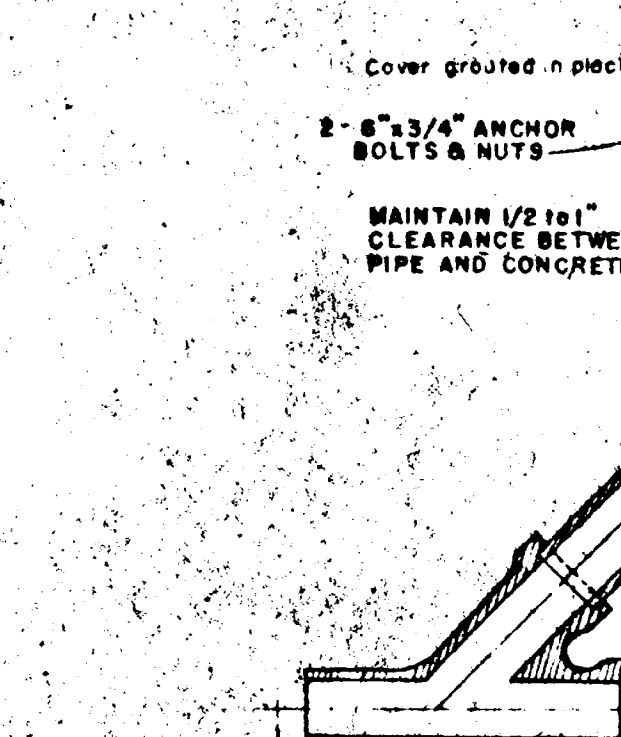
BEDDING AS REQUIRED



SERVICE CONNECTION

SCALE 1"=1'-0"

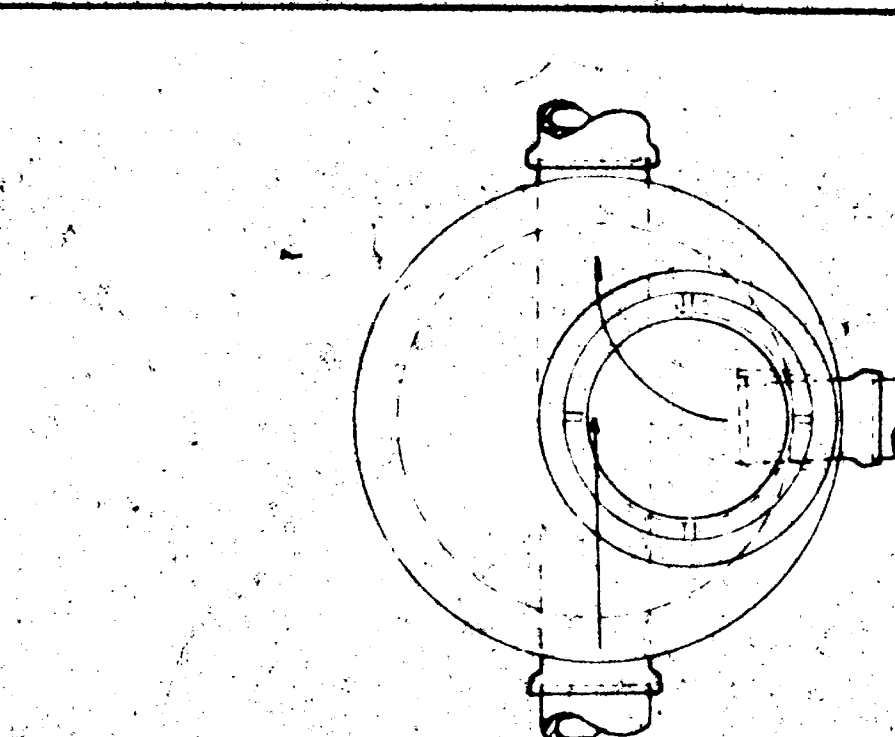
BEDDING AS REQUIRED



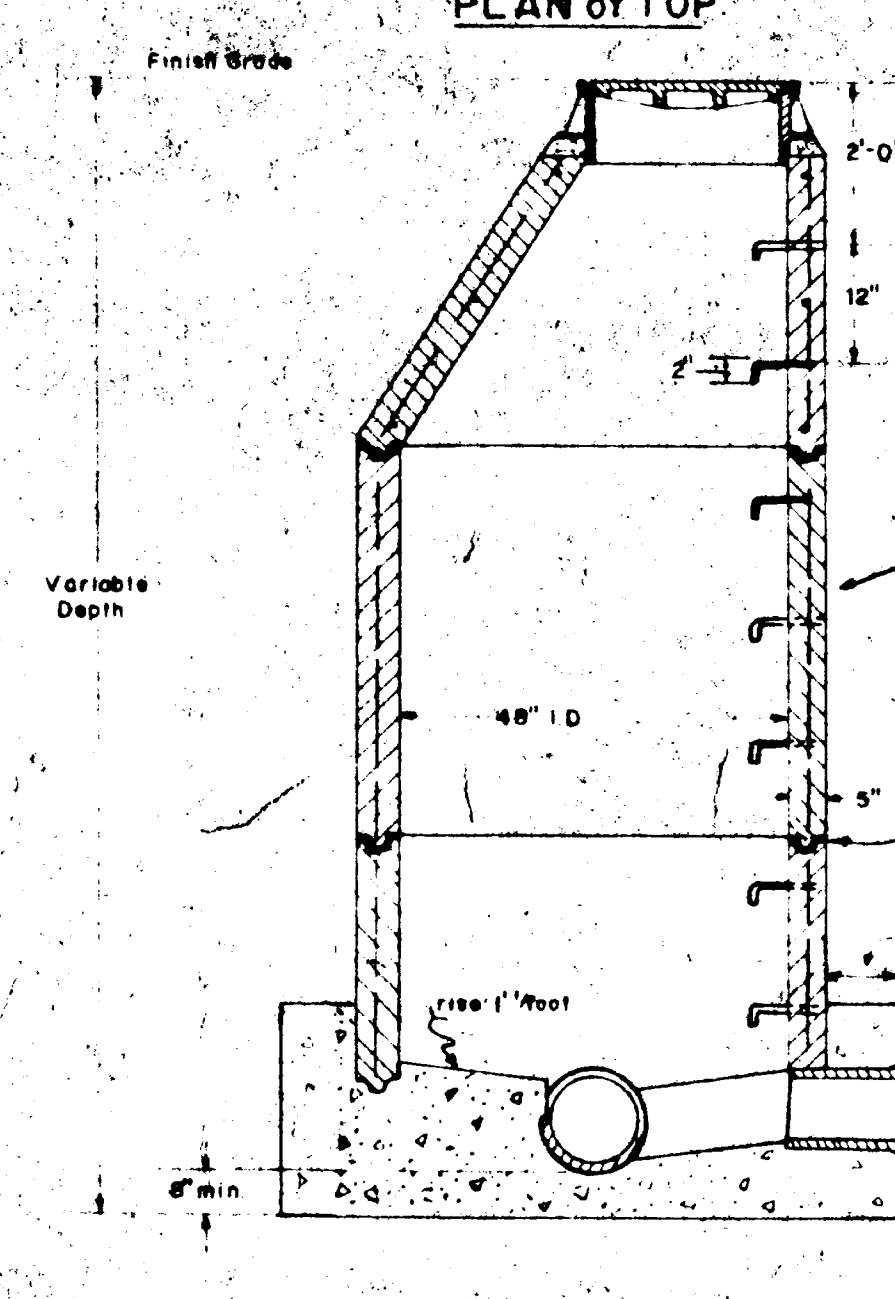
CLEANOUT

SCALE 1/2"=1'-0"

CONCRETE TO SPRINGLINE



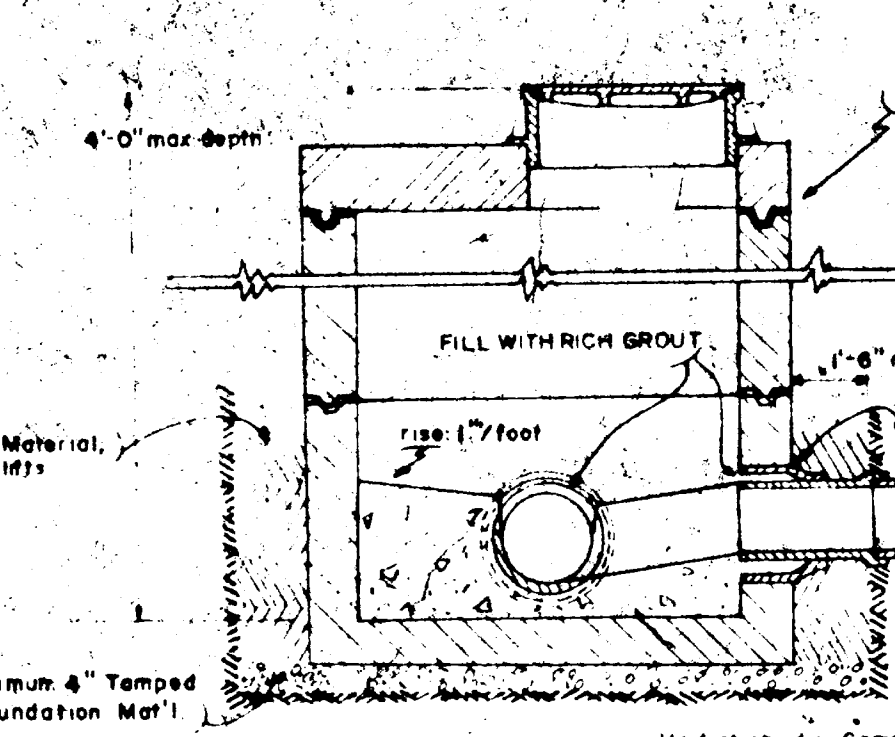
PLAN of TOP



STANDARD MANHOLE

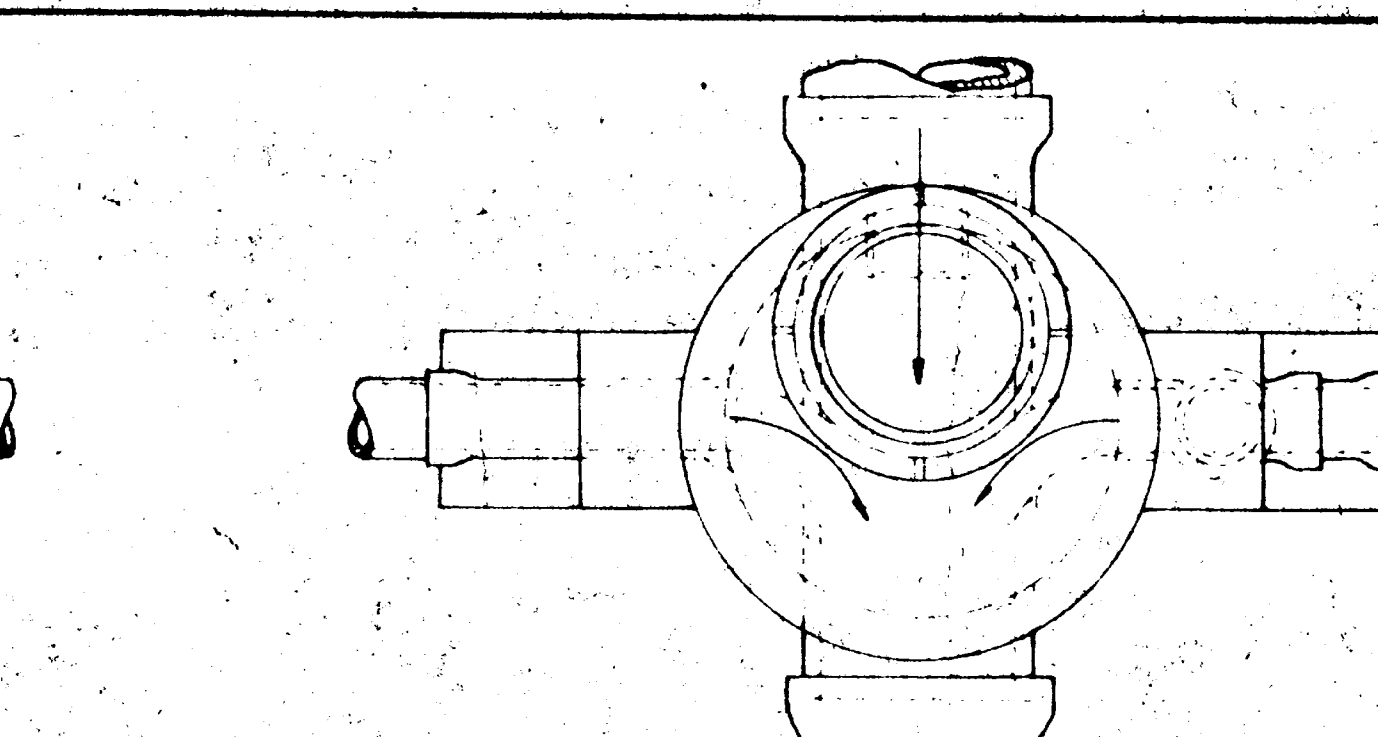
SCALE 1/2"=1'-0"

PRECAST MATERIAL SHALL CONFORM TO A.S.T.M. C-478

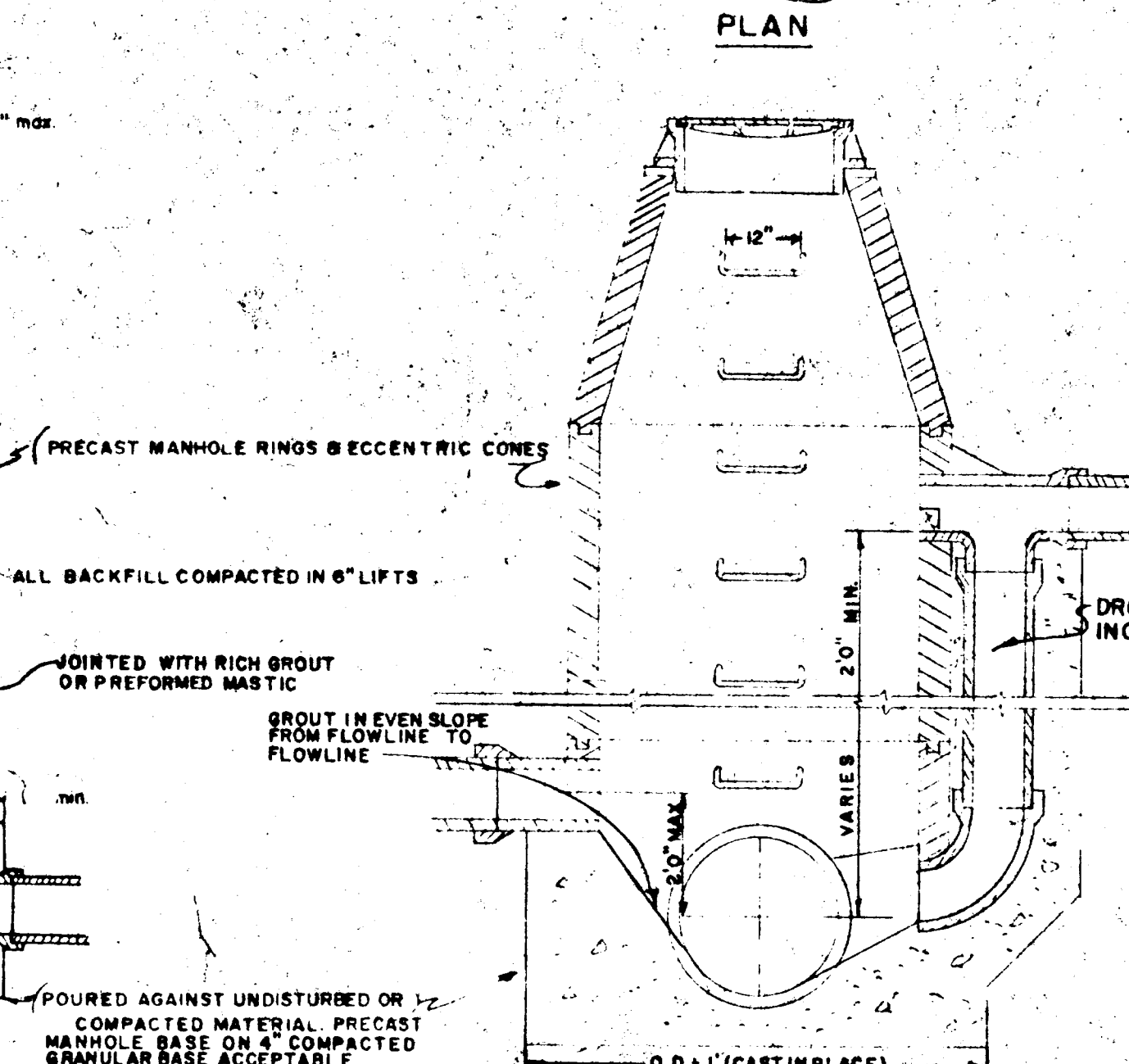


SHALLOW MANHOLE

SCALE 1/2"=1'-0"

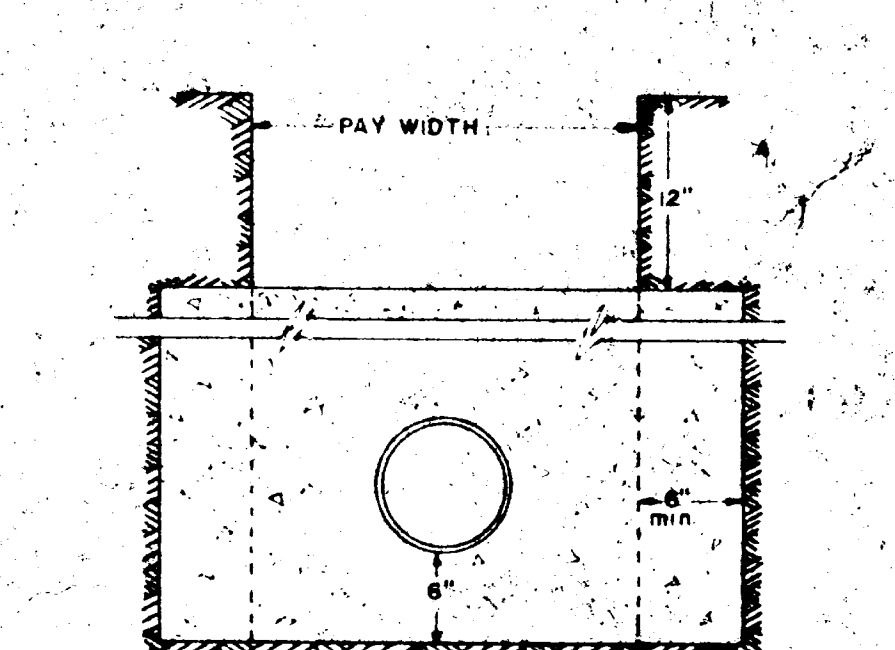


PLAN



DROP MANHOLE

SCALE 1/2"=1'-0"

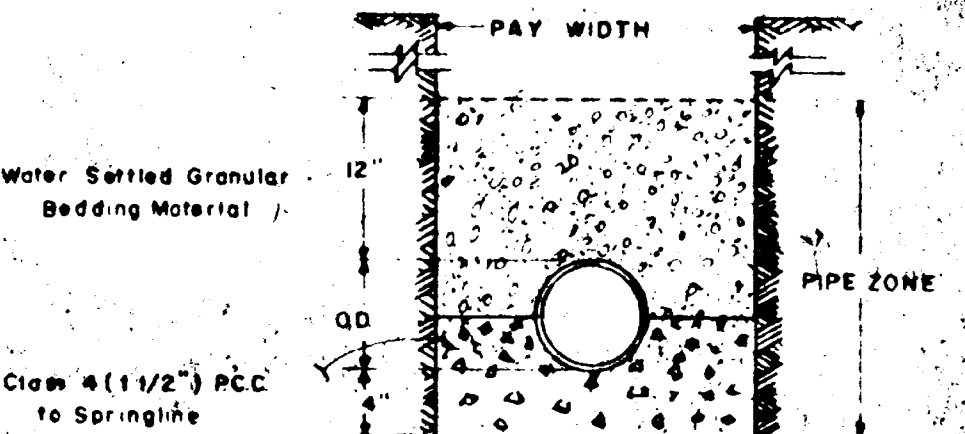


CONCRETE ANCHOR

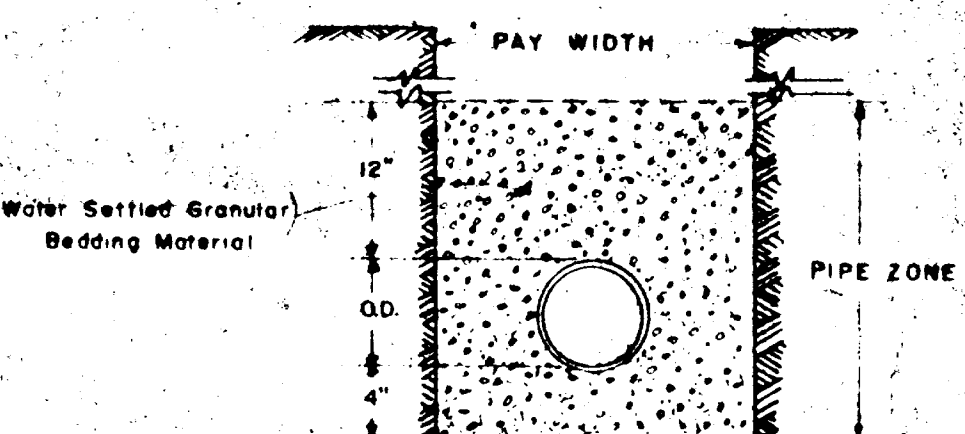
SCALE 1"=1'-0"

CONCRETE ANCHOR SPACING	
SLOPE PERCENT	MINIMUM CENTER TO CENTER
20 to 34	35 feet
35 to 50	25 feet
OVER 50	15 feet or CONCRETE ENCASE

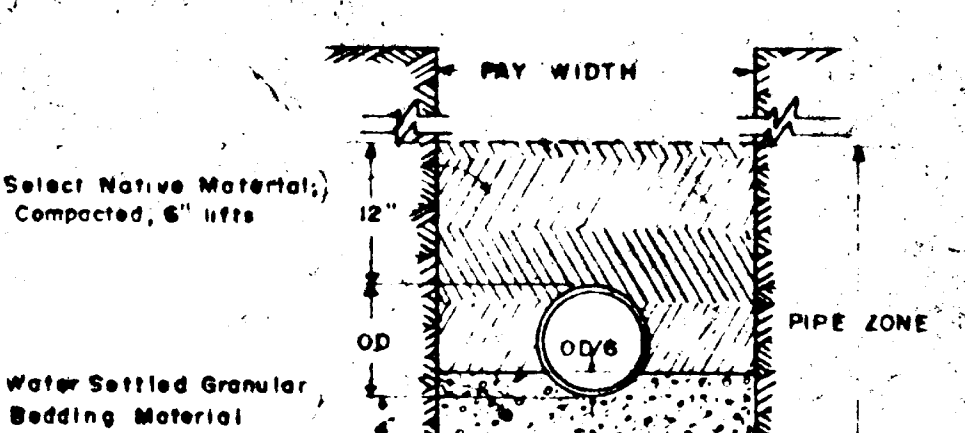
CLASS "A"



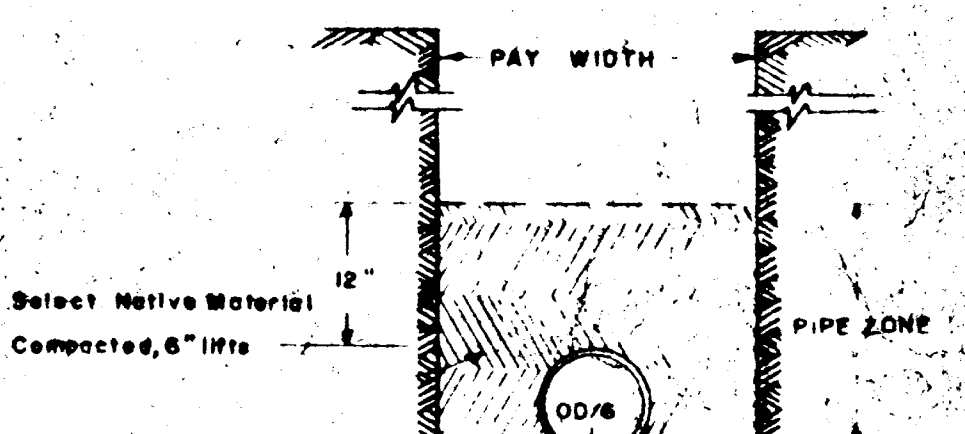
CLASS "B"



CLASS "C"

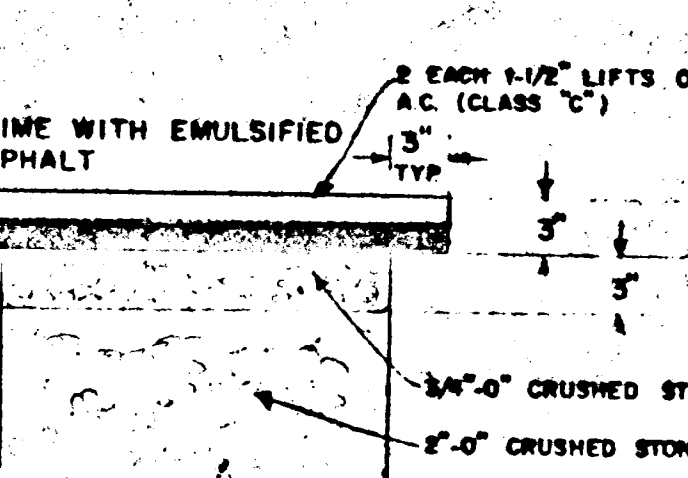


CLASS "D"

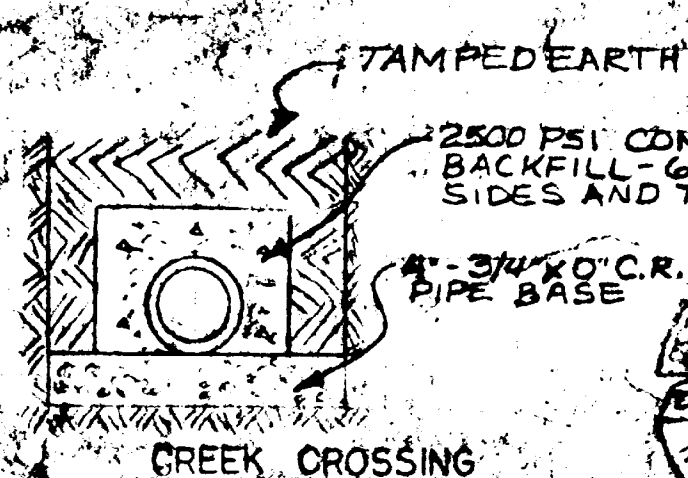


BEDDING REQUIREMENTS

NOT TO SCALE



A.C. PAVEMENT RESTORATION



CREEK CROSSING

FIELDVIEW

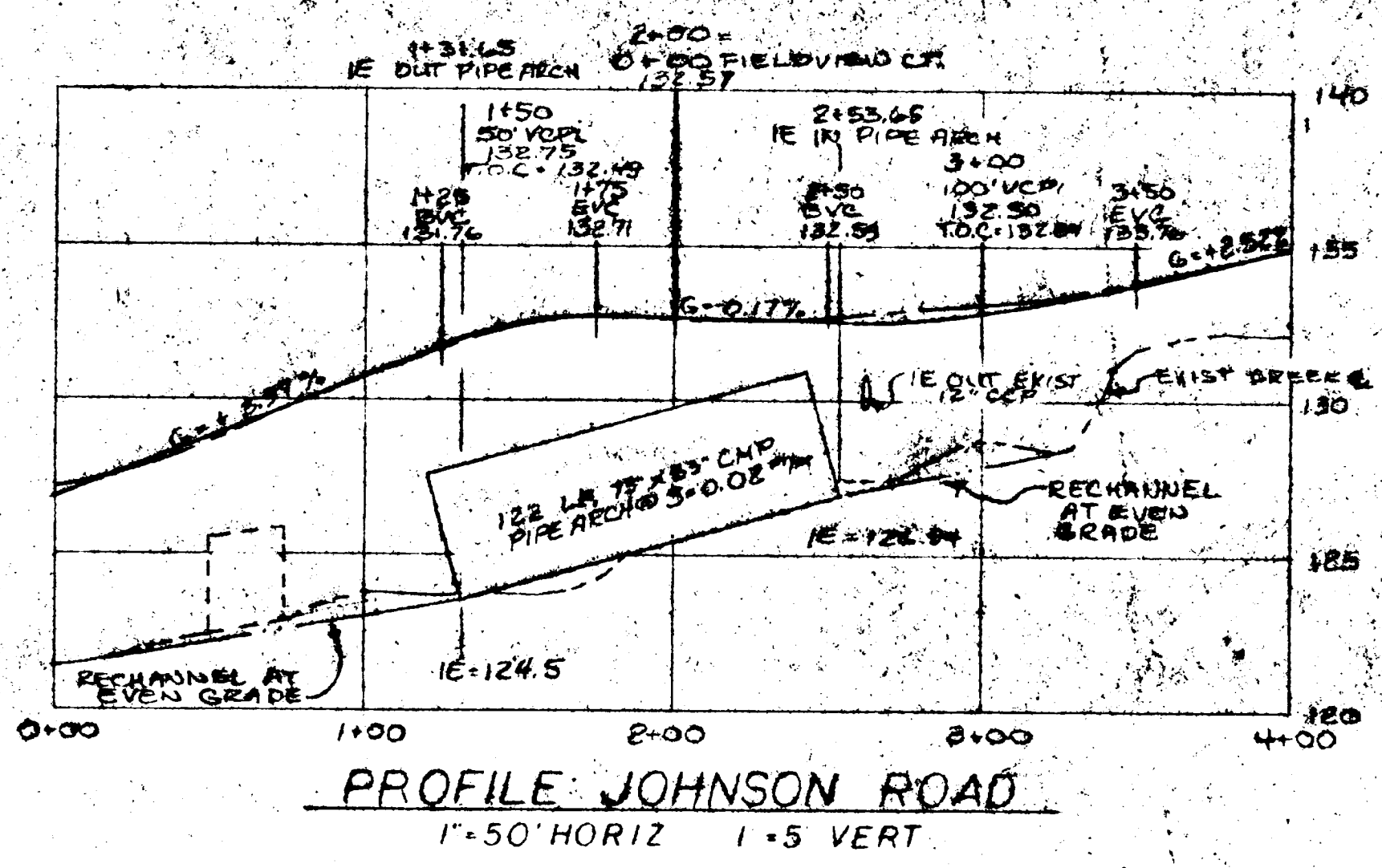
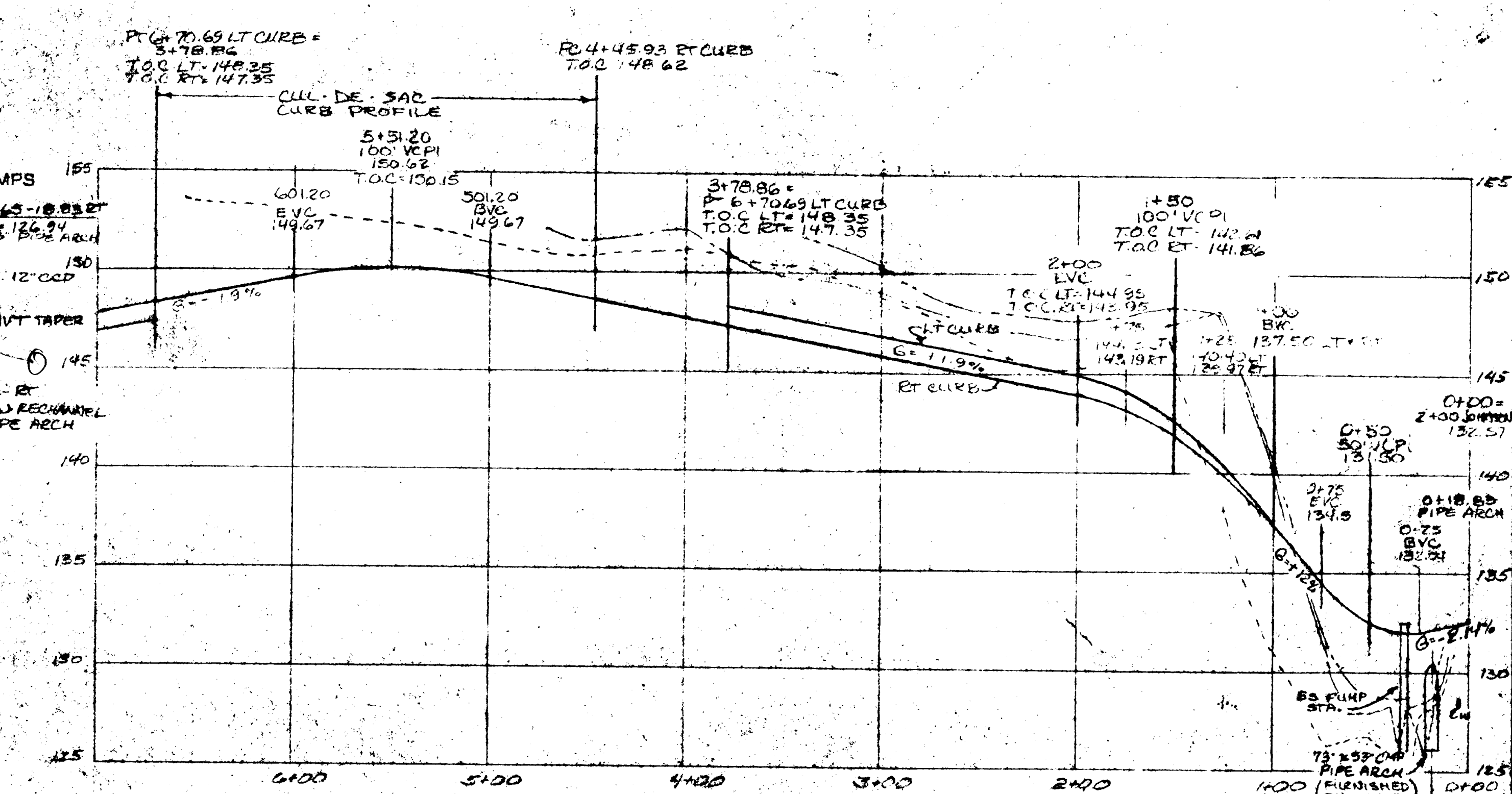
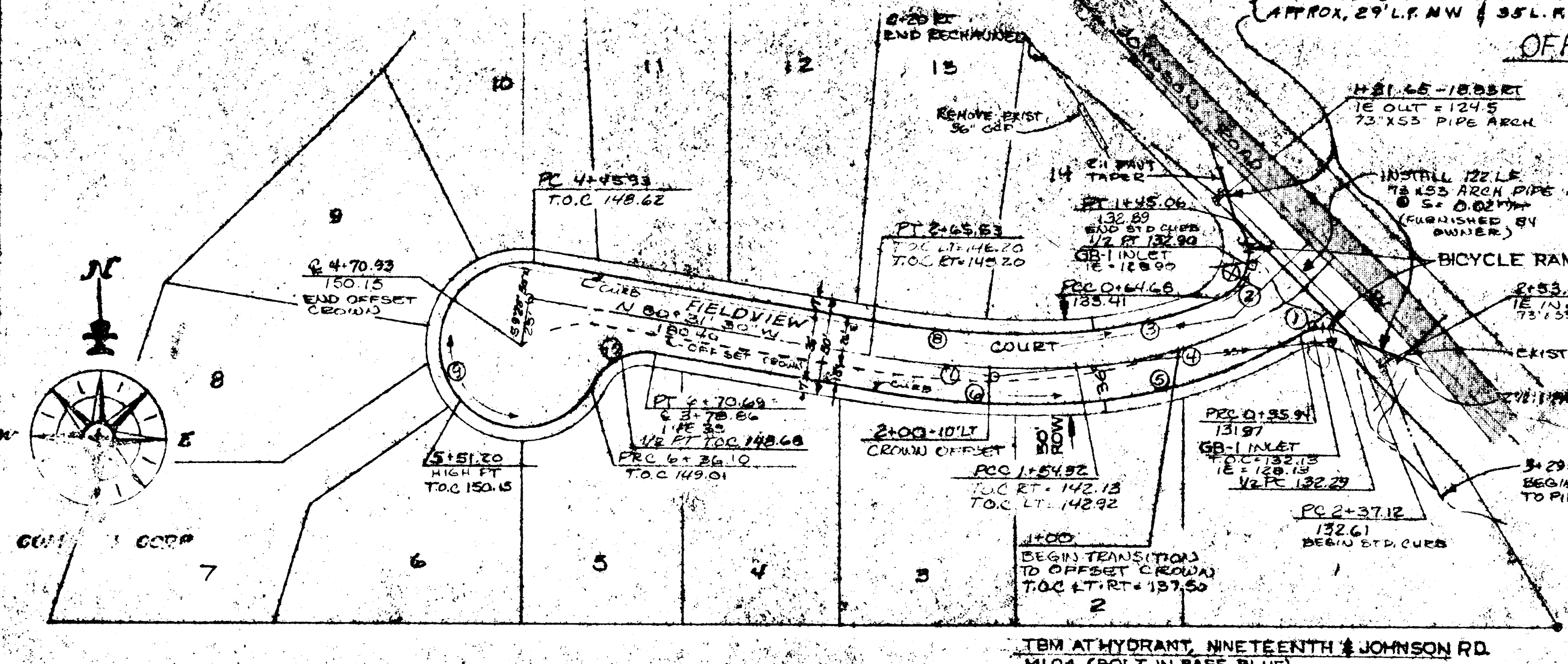
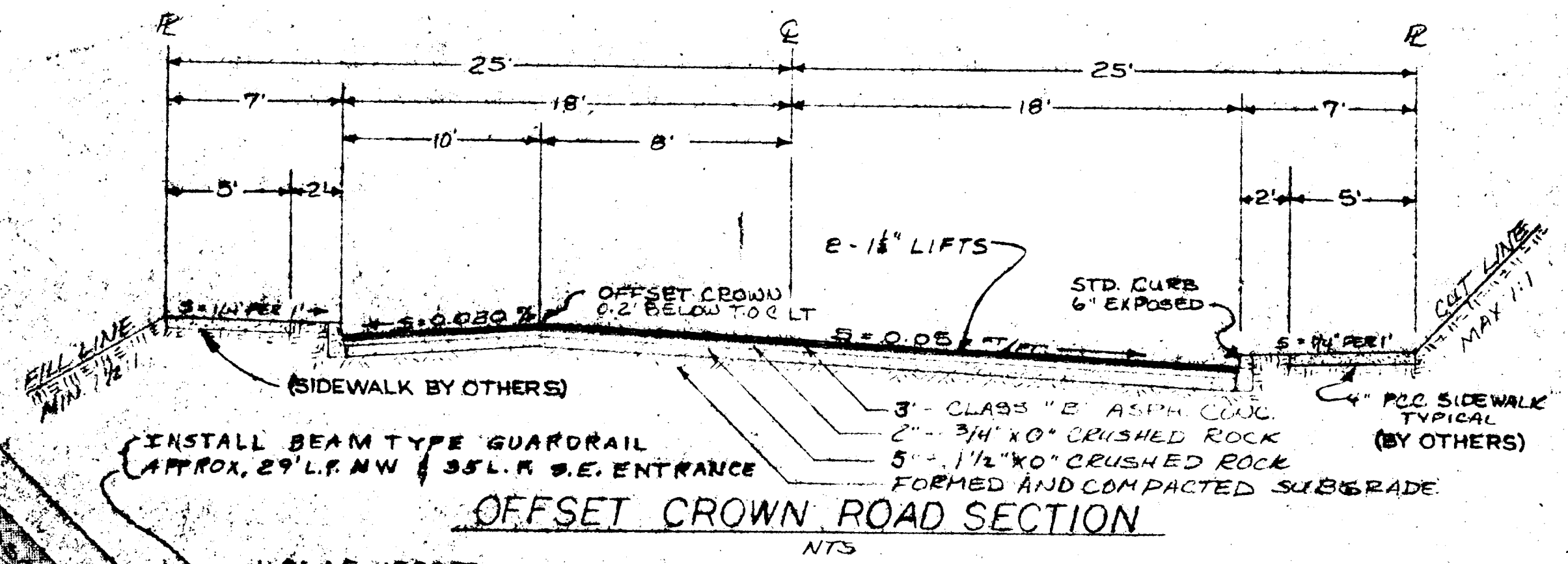
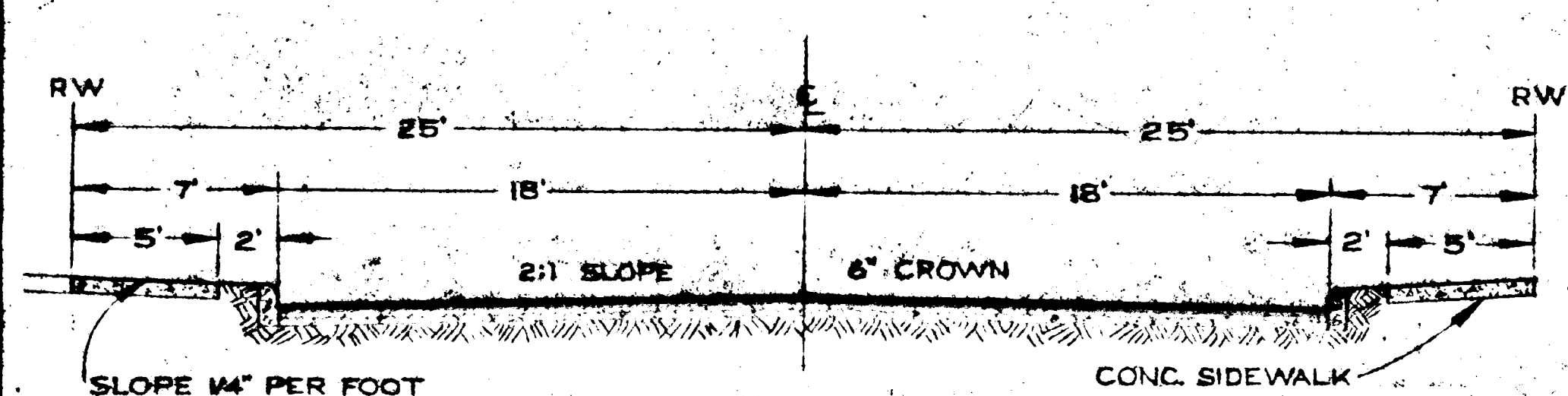
APR 27 1974

5-22-78	DATE	77-1241-968	FILE
AS SHOWN	DATE	APRIL 27 1974	DATE
CREEK CROSSING DETAIL	REVISION		

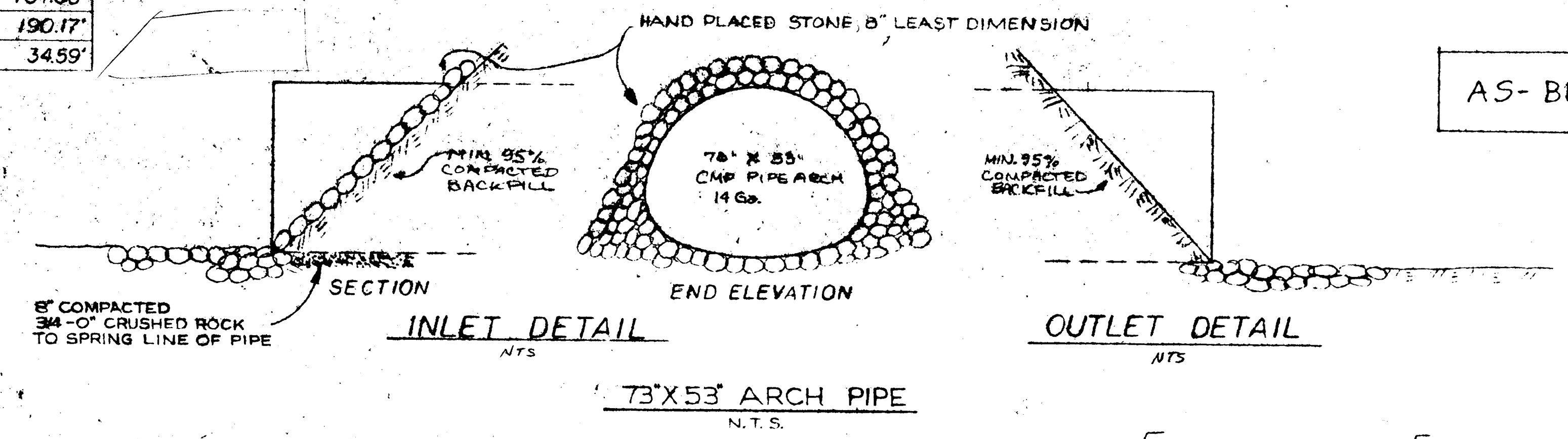
COMPASS CORPORATION
ENGINEERING SURVEYING PLANNING
6564 S.E. LAKE ROAD MILWAUKIE, OREGON 97222

ENVIRONMENTAL HOMES
802 MAIN STREET
OREGON CITY, OREGON 97045

SANITARY SEWER DETAILS
2/4



CURVE	RADIUS	DELTA	LENGTH
1 CURB	25'	74°49'16"	32.65'
2 CURB	25'	111°49'08"	48.49'
3 CURB	230'	27°21'02"	109.79'
4	248'	28°43'15"	124.32'
5 CURB	266'	20°42'38"	96.15'
6 CURB	538'	12°15'14"	115.06'
7	520'	12°15'14"	111.21'
8 CURB	502'	12°15'14"	107.36'
9 CURB	43'	253°23'55"	190.17'
10 CURB	27'	73°23'54"	34.59'



STREET AND DRAINAGE NOTES
 ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE CITY OF WEST LINN PUBLIC WORKS DEPARTMENT, O.S.H.D., AND A.P.W.A., OREGON CHAPTER, SPECIFICATIONS.
 CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND BRING ANY CONFLICTS TO ENGINEER'S ATTENTION FOR RELOCATION.
 CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
 MATERIAL IN SOFT SPOTS WITHIN THE ROADWAY SHALL BE REMOVED TO THE DEPTH REQUIRED TO PROVIDE A FIRM FOUNDATION AND SHALL BE REPLACED WITH 24-INCH MINUS CRUSHED ROCK. THE ENTIRE SUBGRADE SHALL BE THOROUGHLY COMPACTED TO A.P.W.A., OREGON CHAPTER SPECIFICATIONS.
 CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, AND OTHER MATERIAL IN THE ROADWAY AND CHANNELS AS REQUIRED. MATERIAL SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET LOCAL REGULATIONS.

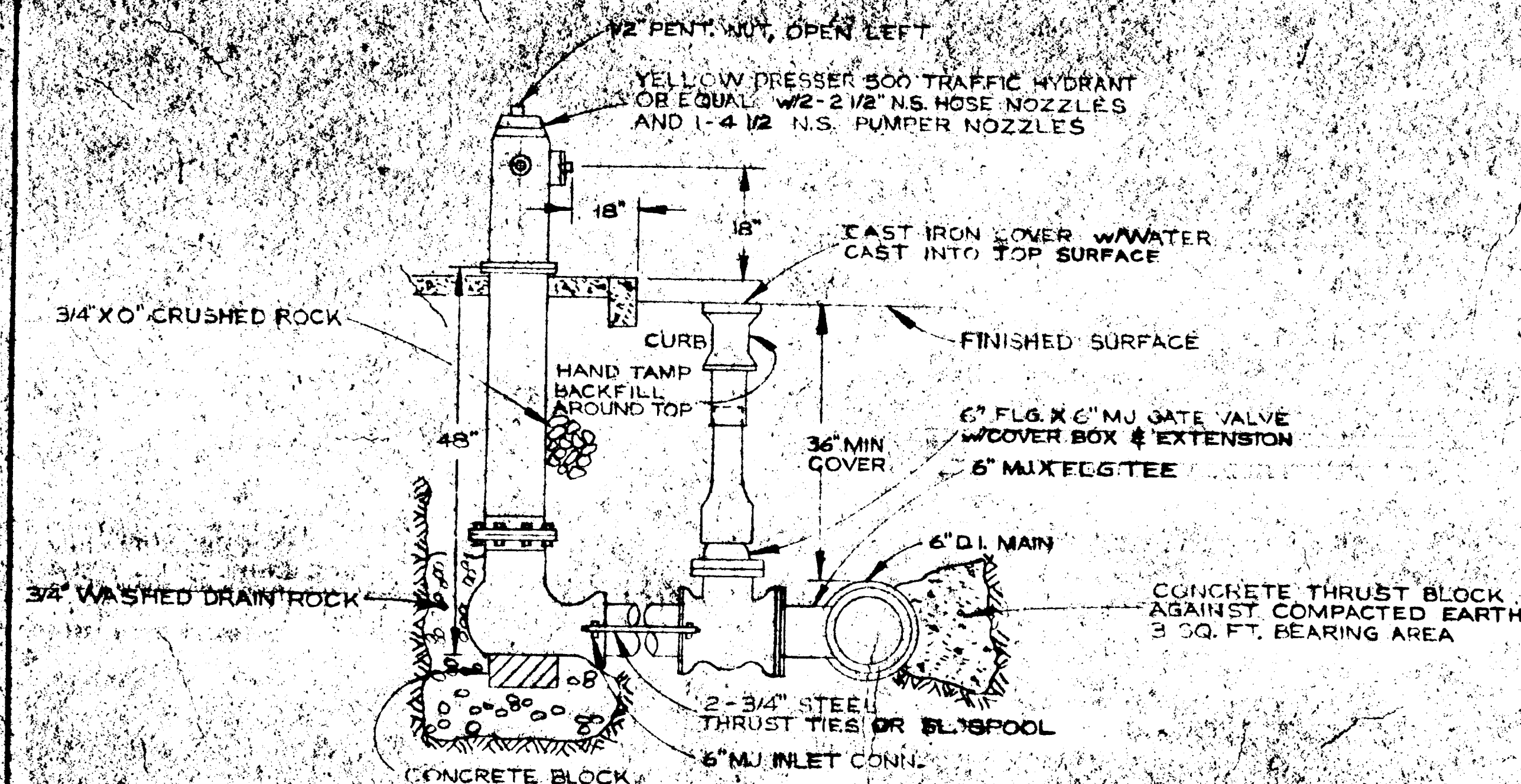
TEMPORARY INLET & OUTLET
TO BE GROUTED AROUND
PVC TO PREVENT LEAKAGE

UPON REMOVAL OF THE PUMP STATION, CONTRACTOR SHALL PLUG THE NEXT UPSTREAM MANHOLE AND INSTALL TEMPORARY 6-INCH P.V.C. BYPASS THROUGH THE MANHOLE. THE UPSTREAM PLUG SHALL THEN BE REMOVED. CONTRACTOR SHALL THEN PUMP THE SUMP DRY, FERRERATE THE SIDES AT THE BOTTOM TO ALLOW GROUND WATER TO RISE AND FALL, AND FILL THE SUMP WITH CLEAN RIVER SAND OR RIVER RUN ROCK TO WITHIN ONE (12) FOOT OF THE FLOW LINE. CONTRACTOR SHALL THEN PLACE A CONCRETE BASE AND CAREFULLY FORM A SMOOTH FLOW LINE AND CHANNEL. AFTER THE BASE HAS CURED 48 HOURS, CONTRACTOR SHALL REMOVE THE P.V.C. BY-PASS AND INSURE A SMOOTH FLOW THROUGH THE NEW BASE. BIDS SHALL BE BASED UPON THIS PROCEDURE. ALTERNATIVE PROCEDURES AND BIDS FOR SAME, WILL BE CONSIDERED.

PERFORATE BASE & SIDES
TO PREVENT VERTICAL DISPLACEMENT

EXISTING PUMP STATION RECONSTRUCTION

N.T.S



FIRE HYDRANT ASSEMBLY

. N.T.S.

DRAWN BY MTP
SCALE AS SHOWN DATE APRIL 78
FILE 77-1241-968

COMPASS CORPORATION
ENGINEERING SURVEYING PLANNING
6564 S.E. LAKE ROAD MILWAUKIE, OREGON 97122

PUMP STATION MOVE PROCEDURE:

IN ORDER TO SERVE THE FIELDVIEW SUBDIVISION SANITARY SEWERAGE NEEDS, THE PUMP STATION CURRENTLY LOCATED EAST OF 19th ON JOHNSON ROAD WILL HAVE TO BE RELOCATED AT FIELDVIEW DRIVE. THE FORCE MAIN AND GRAVITY LINE ARE TO BE EXTENDED TO THE SITE. THE STATION IS A HYDRONIX, INC. SUC-A-PRIME MODEL 110. THERE ARE CURRENTLY 3 HORSE POWER PUMPS IN THE STATION. TO SERVICE THE LOWER AREA AT FIELDVIEW DRIVE THESE PUMPS WILL HAVE TO BE IMPROVED TO 5 HP. THE INTERNAL PUMP STATION MODIFICATIONS, ELECTRICAL AND PLUMBING WORK SHALL BE PERFORMED BY HYDRONIX, INC. WITH THE STATION ON LINE AT IT'S PRESENT SITE. HYDRONIX, INC. SHALL ASSIST THE CONTRACTOR IN THE PUMP STATION MOVE AS REQUESTED. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIAL, EQUIPMENT AND LABOR TO PERFORM THE REMAINING WORK FOR MOVING THE PUMP STATION. THE REMAINING WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, EXTERNAL ELECTRICAL CONNECTIONS AND DISCONNECTIONS (TO INCLUDE PUTTING POWER FROM METER AND REMOVAL OF SERVICE AT EXISTING SITE), ALL REQUIRED EXCAVATION, LIFTING AND TRANSPORTING THE STATION, PLACING AND INSTALLING THE STATION AT THE NEW SITE, AND ALL CLEANUP AND SITE RESTORATION.

PRIOR TO THE PUMP STATION BEING SHUT DOWN AT THE EXISTING SITE, THE NEW PUMP STATION SUMP, THE JOHNSON MAIN SEWER AND THE FORCE MAIN SHALL BE INSTALLED TESTED AND COMPLETED IN ALL RESPECTS TO ENGINEER'S SATISFACTION. CONTRACTOR SHALL CAREFULLY PERFORM ALL NECESSARY EXCAVATION TO PREPARE THE STATION FOR MOVEMENT.

UPON STATION SHUT DOWN, HYDRONIX, INC. SHALL ASSIST CONTRACTOR IN DRAINING THE FORCE MAIN AND PREPARING THE PUMP STATION FOR MOVEMENT. CONTRACTOR SHALL MAKE ELECTRICAL DISCONNECTION AND LIFT THE STATION CLEAR OF THE PUMP. EQUIPMENT USED IN LIFTING THE STATION SHALL HAVE A MINIMUM SAFE WORKING LOAD OF 3000 LBS. IN THE PROPOSED WORKING POSITION. HYDRONIX, INC. SHALL ASSIST IN SECURING PIDAT SWITCHES AND OTHER WORK REQUIRED TO PROTECT THE STATION DURING THE MOVE. CONTRACTOR SHALL PROCEED WITH THE CONSTRUCTION OF THE PUMP BY-PASS AS SPECIFIED UNDER THE EXISTING PUMP STATION RECONSTRUCTION DETAILS.

CONTRACTOR SHALL TRANSPORT THE STATION TO THE NEW SITE AND HYDRONIX, INC. SHALL ASSIST IN RECONNECTING PUMPING AND PLACING THE STATION ON THE NEW SUMP. CONTRACTOR SHALL CONNECT THE NEW FORCE MAIN AND ALL EXTERNAL ELECTRICAL CONNECTIONS TO THE STATION. HYDRONIX, INC. SHALL ASSIST IN PERFORMING REQUIRED TESTS TO ASSURE NO DAMAGE OCCURRED DURING THE MOVE AND THAT THE STATION IS IN FACT READY FOR CONTINUED USE AT THE NEW SITE.

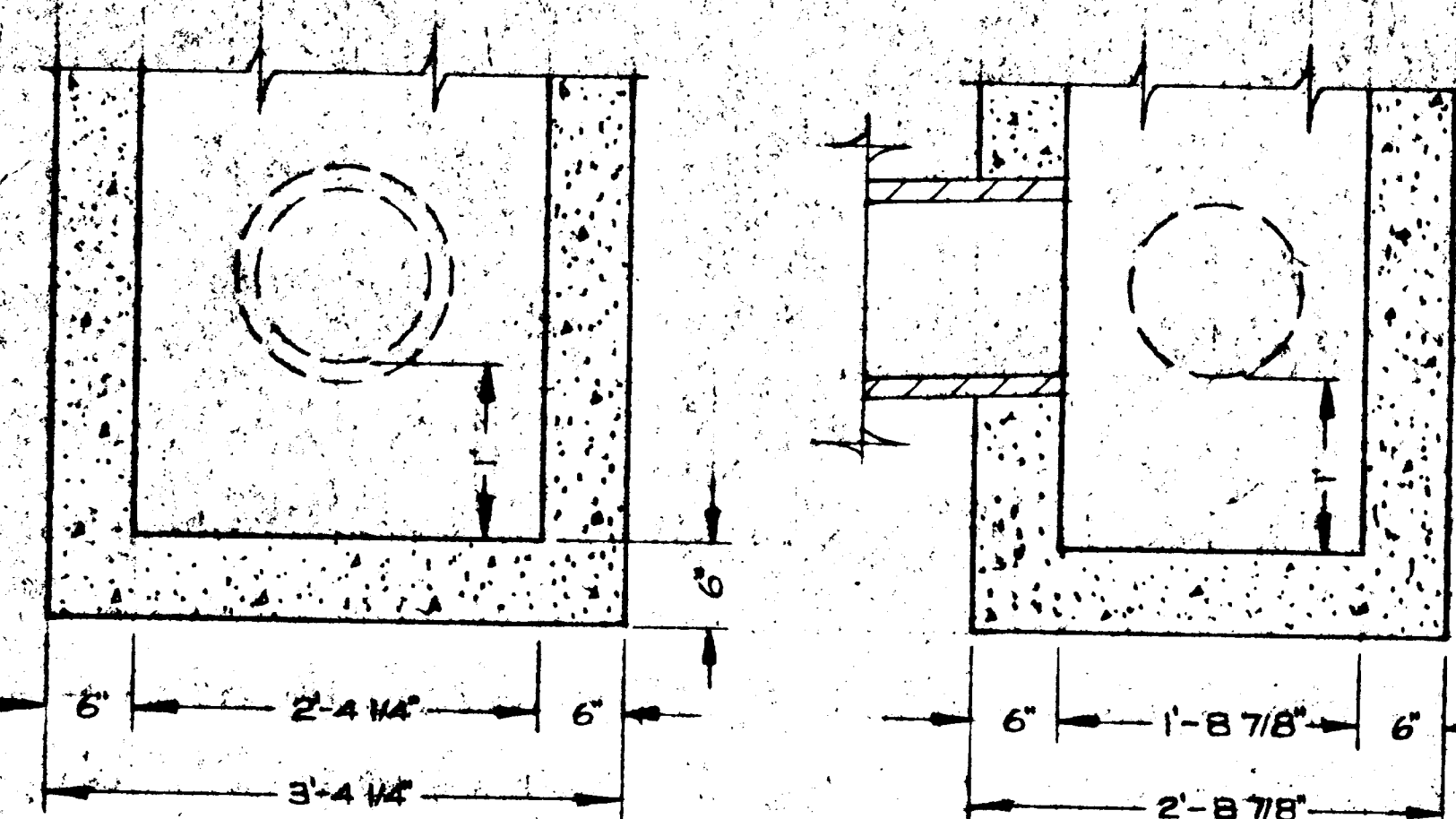
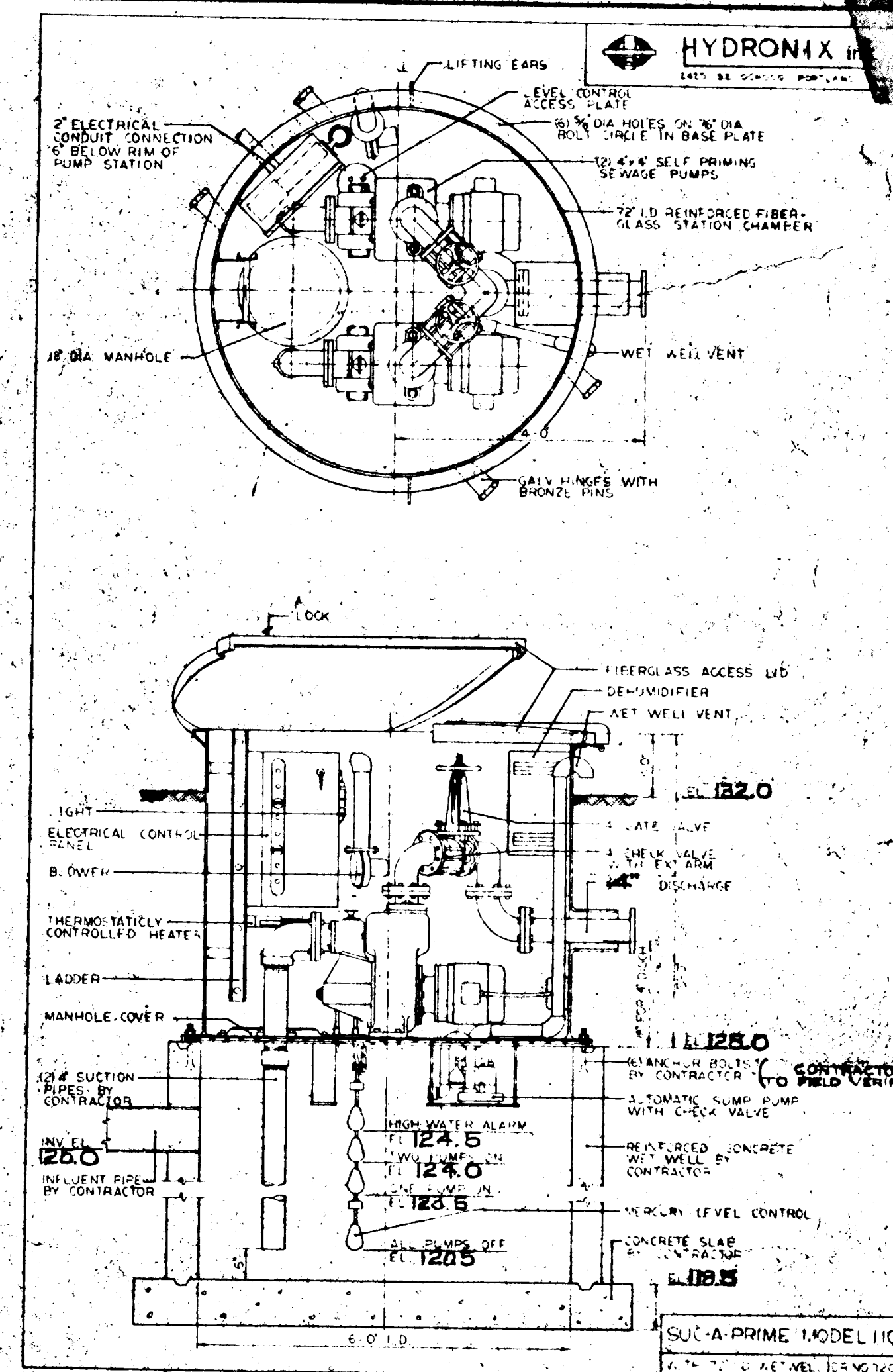
IN ORDER TO PROVIDE CONTINUOUS SERVICE TO THE EXISTING SANITARY COLLECTION SYSTEM, CONTRACTOR SHALL COLLECT AND TRANSPORT EFFLUENT GENERATED BETWEEN THE TIME THE STATION IS SHUT DOWN AND THEN BROUGHT BACK ON LINE. COLLECTION AND PUMPING SHALL BE PERFORMED AS HEREIN DESCRIBED.

CONTRACTOR SHALL PLUG THE OUTLET OF MANHOLE NO. 2 (JOHNSON MAIN STATION
1180) AND MAKE NECESSARY ARRANGEMENTS TO HAVE THE EFFLUENT PUMPED FROM
MANHOLE NO. 2 INTO APPROVED TANKS AND THENCE TRANSPORTED TO, AND DUMPED
INTO, THE MANHOLE LOCATED AT THE NORTH END OF 16TH; APPROXIMATELY 20 FEET
BEYOND THE CUI-DE-SAC FENCE.

ALL PRACTICAL CARE SHALL BE TAKEN TO PREVENT SLOPOVER AND OTHER TYPES OF SPILLAGE. DURING PUMPING, TRANSPORT AND DUMPING OF EFFLUENT, CONTRACTOR SHALL BE HELD STRICTLY LIABLE FOR THE EXPENSE OF CLEANING UP, AND ANY DAMAGES ARISING FROM SPILLAGES. THE EFFLUENT REMOVAL OPERATION SHALL BE REQUIRED CONTINUOUSLY UNTIL THE PUMP STATION IS PLACED AT THE NEW SITE AND IS OPERATIONAL IN ALL RESPECTS. AN ESTIMATED FLOW OF 6000 GALLONS MAY BE EXPECTED BETWEEN 3 AM AND 5 AM.

DURING THE PUMP STATION MOVE, CONTRACTOR SHALL PROVIDE ALL MATERIALS,
 EQUIPMENT AND LABOR REQUIRED TO CONNECT THE NEW FORCE MAIN TO THE EXISTING
 36-INCH C.T. FORCE MAIN. THIS MAIN SHALL THEN BE AIR PRESSURE TESTED TO
 INSURE WATER TIGHT INTEGRITY OF THE TOTAL SYSTEM.

CONTRACTOR SHALL PROVIDE ENGINEER WITH AN HOURLY ACTIVITY SCHEDULE OF THE
 MOVE. THIS SCHEDULE WILL BE FROM 9:00 A.M. ONWARD DURING A TUESDAY, WED-
 NESDAY OR THURSDAY. THE SCHEDULE SHALL BE UTILIZED BY THE ENGINEER TO
 SCHEDULE ASSOCIATED ACTIVITIES. A LIST OF ALL PERSONNEL, THEIR RESPONSIB-
 ILITIES, MATERIALS AND EQUIPMENT TO BE USED DURING THE MOVE SHALL BE
 PROVIDED TO THE ENGINEER FOR FURTHER DISEMINATION AT LEAST 7 CALENDAR DAYS
 PRIOR TO THE PROPOSED MOVE DATE. AT LEAST 2 WORKING DAYS PRIOR TO THE MOVE
 ALL PERSONNEL INVOLVED IN THE MOVE SHALL ATTEND A 1 HOUR ON-SITE PREMOVE
 MEETING WITH THE ENGINEER, CITY REPRESENTATIVES, AND OTHERS WHO WILL BE
 INVOLVED IN THE MOVE. THE PURPOSE OF THE MEETING WILL BE TO RESOLVE IN-
 DIVIDUAL ACTIVITIES, RESPONSIBILITIES, AND PROCEDURAL CONFLICTS. CONTRACTOR
 SHALL WORK CLOSELY WITH THE ENGINEER IN ALL RESPECTS INVOLVING THIS MOVE.
 THE SCHEDULE WILL BE BASED UPON THIS PROCEDURE, ALTERNATIVE PROCEDURES AND BIDS
 OR SAME WILL BE CONSIDERED.



WEST LINN GB-1 INLET

N.T.S

AS-BUILT

FIELDVIEW

APR 27 1979

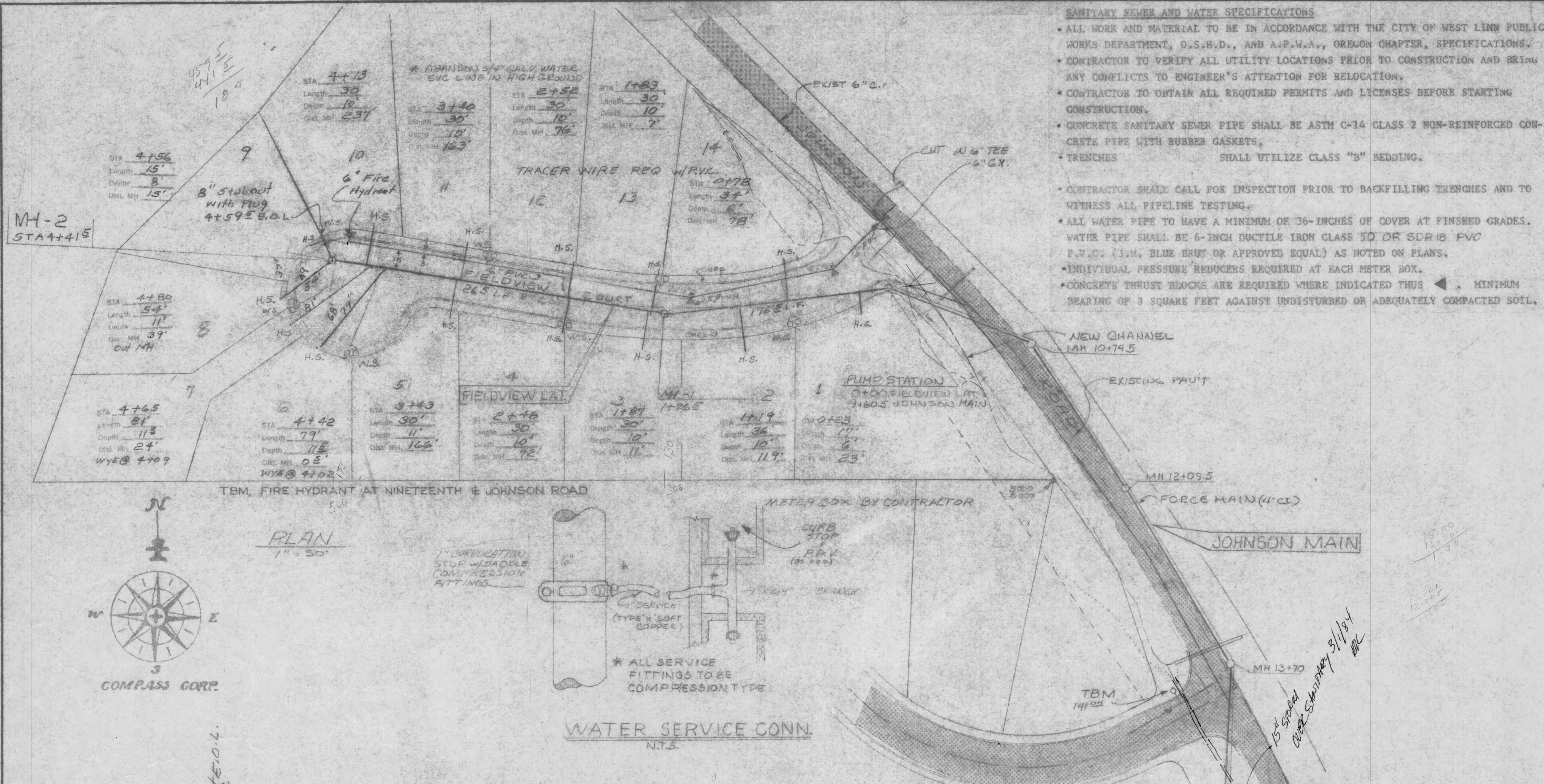
WATER, SEWER, & STREET DETAILS

4

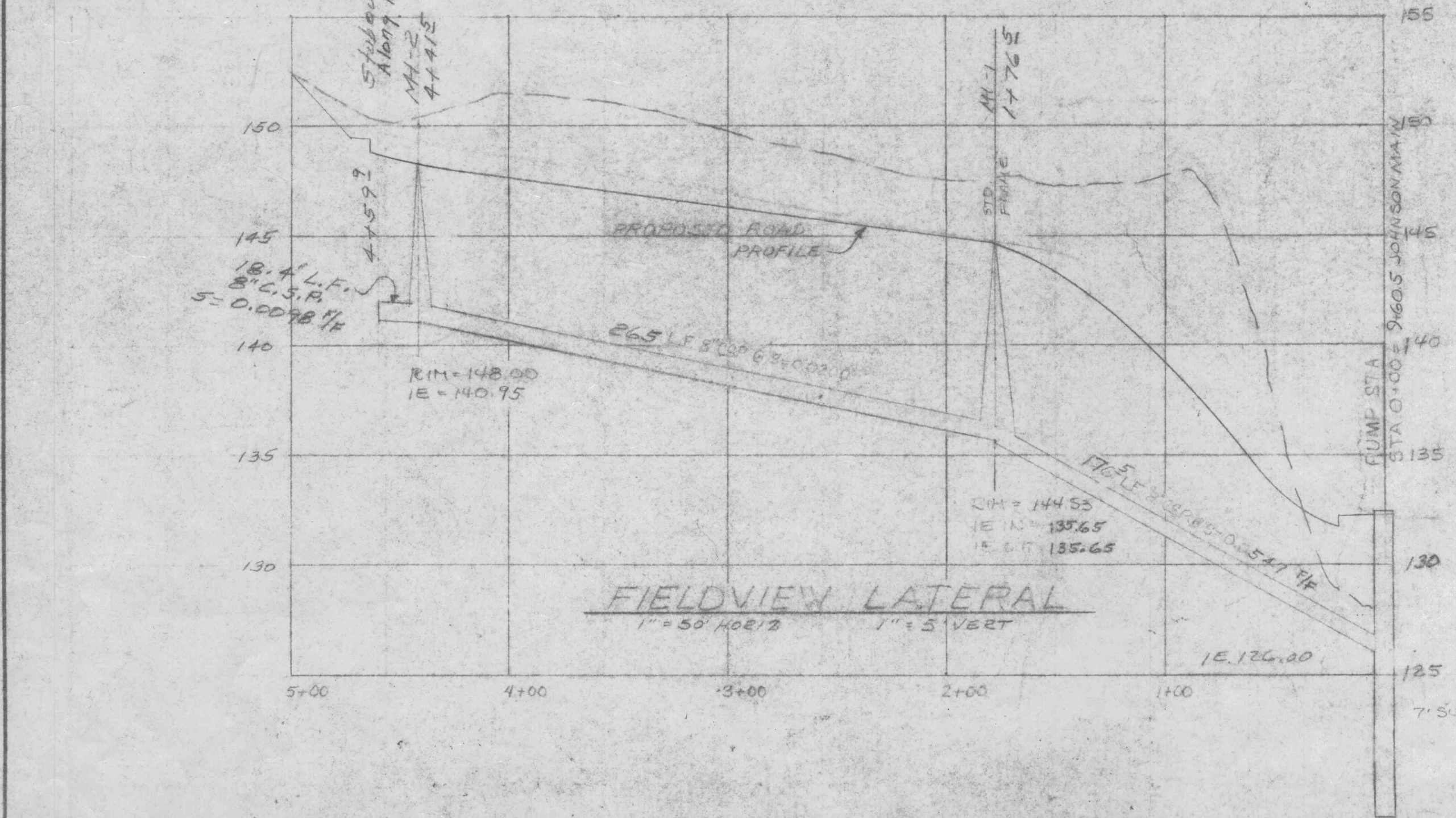
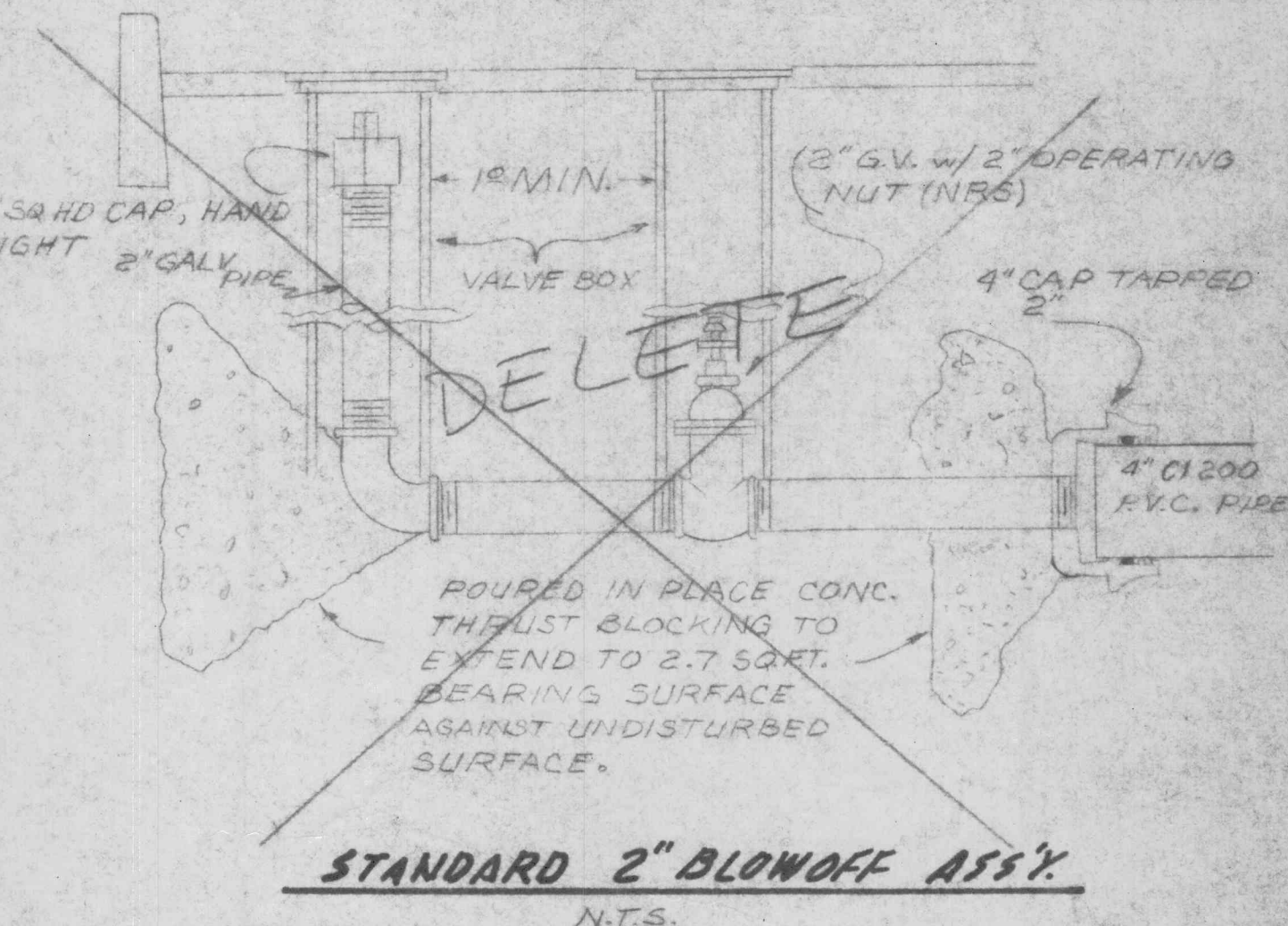
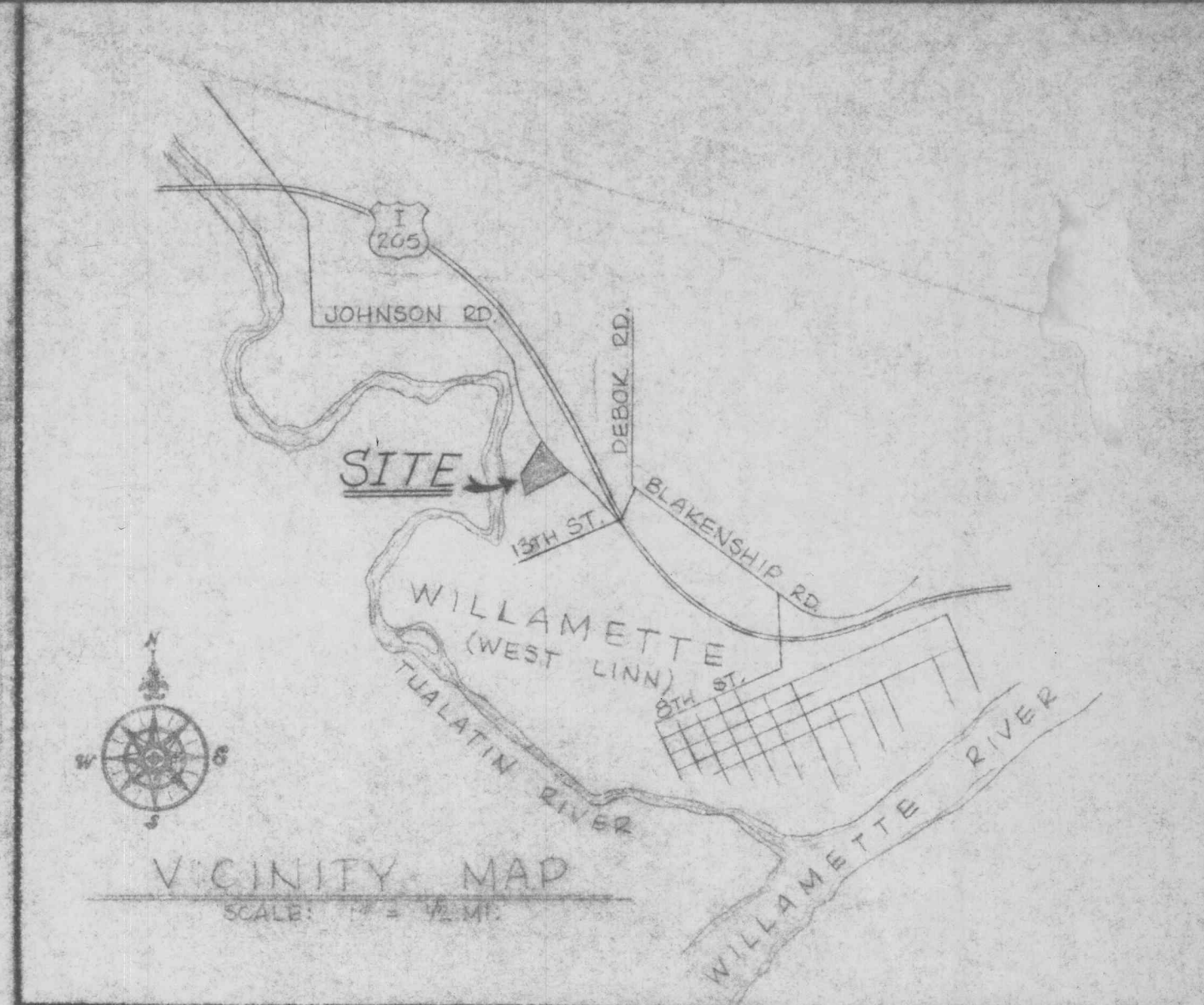
ENVIRONMENTAL HOMES
802 MAIN STREET
OREGON CITY, OREGON 97045

Second Scan

This As-Built was scanned twice due to illegibility issues of the original scan.



- SANITARY SEWER AND WATER SPECIFICATIONS**
- ALL WORK AND MATERIAL TO BE IN ACCORDANCE WITH THE CITY OF WEST LINN PUBLIC WORKS DEPARTMENT, O.S.H.D., AND A.P.W.A., OREGON CHAPTER, SPECIFICATIONS.
 - CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND BRING ANY CONFLICTS TO ENGINEER'S ATTENTION FOR RELOCATION.
 - CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
 - CONCRETE SANITARY SEWER PIPE SHALL BE ASTM C-14 CLASS 2 NON-REINFORCED CONCRETE PIPE WITH RUBBER GASKETS.
 - TRENCHES SHALL UTILIZE CLASS "B" BEDDING.
 - CONTRACTOR SHALL CALL FOR INSPECTION PRIOR TO BACKFILLING TRENCHES AND TO WITNESS ALL PIPELINE TESTING.
 - ALL WATER PIPE TO HAVE A MINIMUM OF 36-INCHES OF COVER AT FINISHED GRADES.
 - WATER PIPE SHALL BE 6-INCH DUCTILE IRON CLASS 50 OR SCH 80 P.V.C. (I.M. BLUE BRU OR APPROVED EQUAL) AS NOTED ON PLANS.
 - INDIVIDUAL PRESSURE REDUCERS REQUIRED AT EACH METER BOX.
 - CONCRETE THRUST BLOCKS ARE REQUIRED WHERE INDICATED THUS ◀. MINIMUM BEARING OF 3 SQUARE FEET AGAINST UNDISTURBED OR ADEQUATELY COMPACTED SOIL.

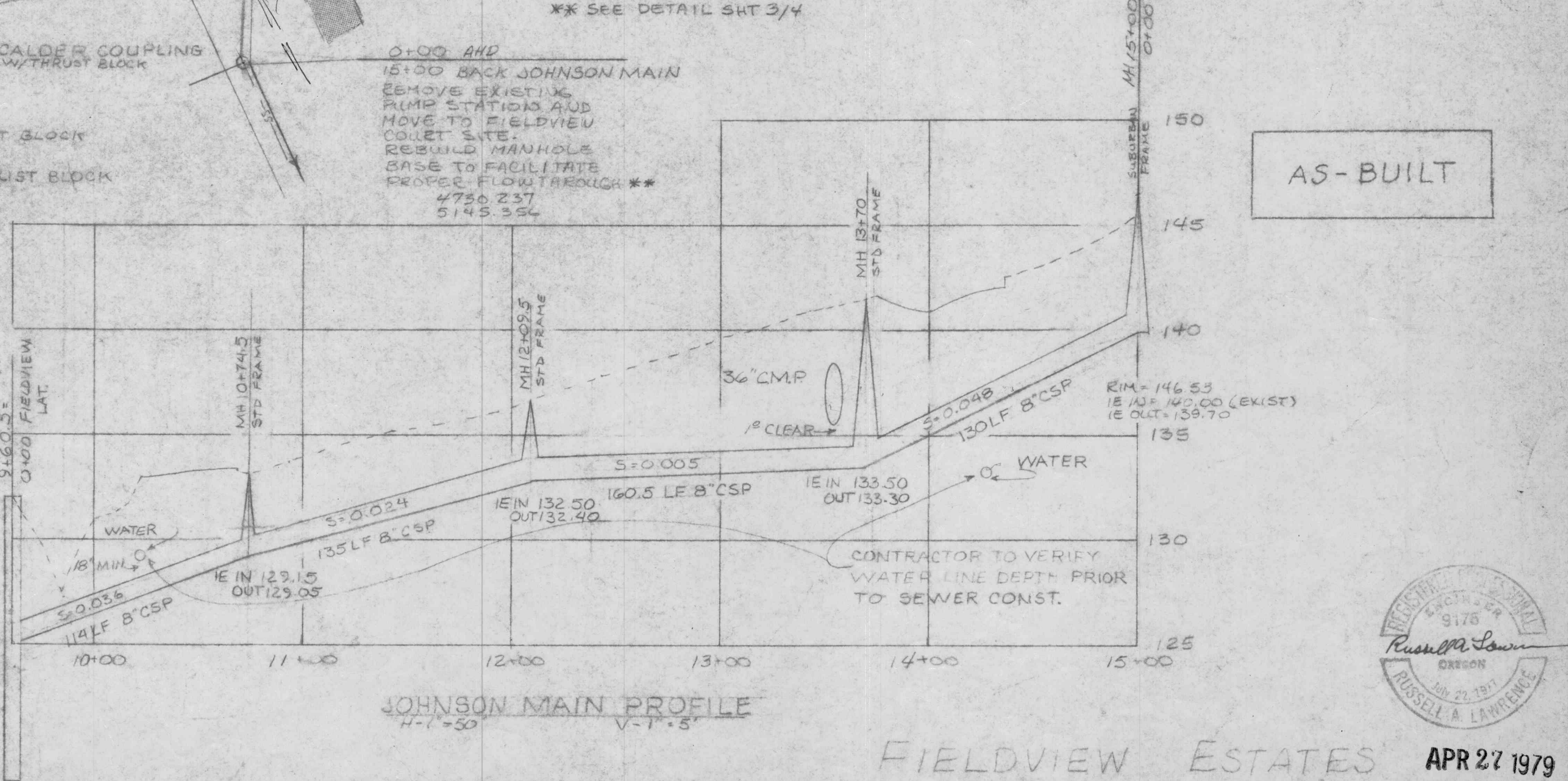


WATER FTG. SCHED.

- 0+00.0 CUT IN 6" TEE, HUB & FL, W/ CALDER COUPLING W/ THRUST BLOCK
- 0+01.4 6" G.V. HUB & FL, N.R.S.
- 0+51.5 6" 22 1/2" ELL. HUB W/ THRUST BLOCK
- 0+92.5 1" SERVICE, LEFT
- 1+67.0 6" 22 1/2" ELL. HUB W/ THRUST BLOCK
- 1+93.0 1" SERVICE, RIGHT
- 2+67.0 1" SERVICE, LEFT
- 3+26.0 1" SERVICE, RIGHT
- 4+13.0 1" SERVICE, LEFT
- 4+27.0 1" SERVICE, LEFT
- 4+32.0 1" SERVICE, LEFT
- 4+40.0 6" HYDRANT TEE, HUB & FL
- W/ 6" G.V. SPOOL & HYD. ASS'Y. THRUST BLOCK AS REQ.

PUMP STATION SETTING

GROUND	132.0
PUMP DISCH.	129.5
ALARM	124.5
2 ON	124.0
1 ON	123.5
OFF	120.5
BOTTOM	118.5



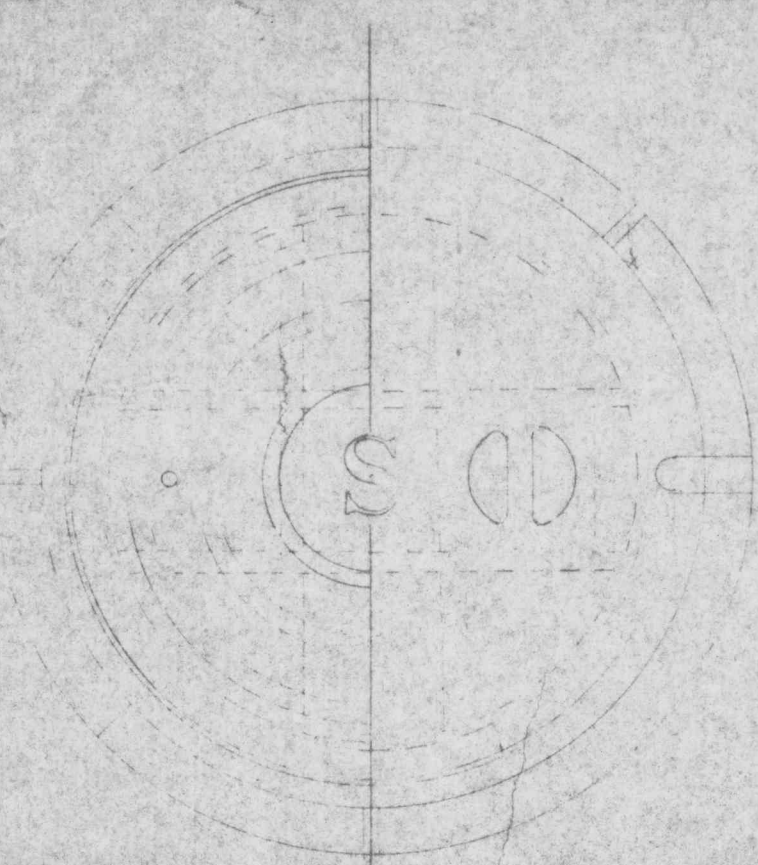
1-3-79	3	AS-BUILT	DATE
4-22-78	2	NEW JOHNSON MAIN R	DATE
1-10-78	1	WATER LINE SERVICE DET R	DATE
DATE	NO.	REVISION	FILE

COMPASS CORPORATION
ENGINEERING SURVEYING PLANNING
6564 S.E. LAKE ROAD MILWAUKIE, OREGON 97222

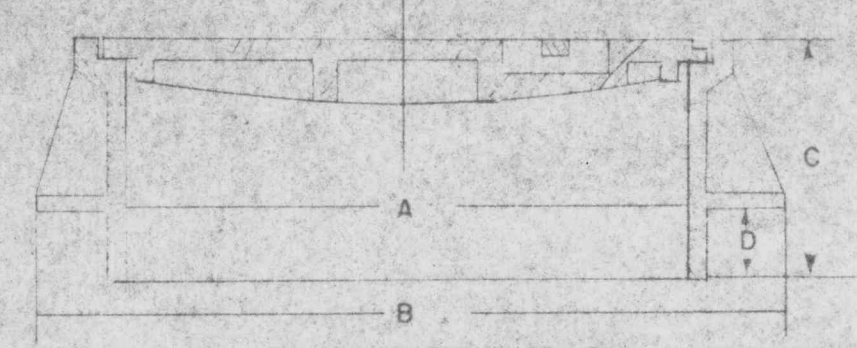
ENVIRONMENTAL HOMES
802 MAIN STREET
OREGON CITY, OREGON 97045

SANITARY SEWER AND WATER DISTRIBUTION IMPROVEMENTS
APR 27 1979

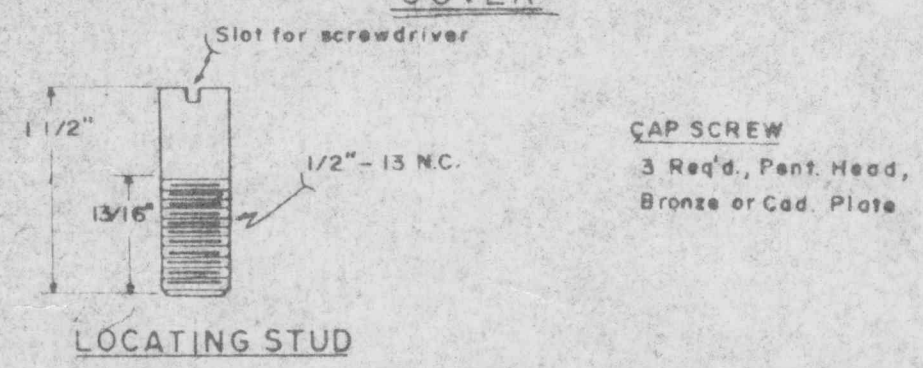
FIELDVIEW EST. 79



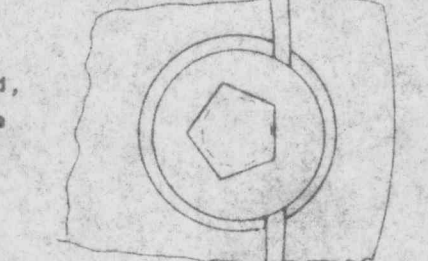
STANDARD WATER TIGHT



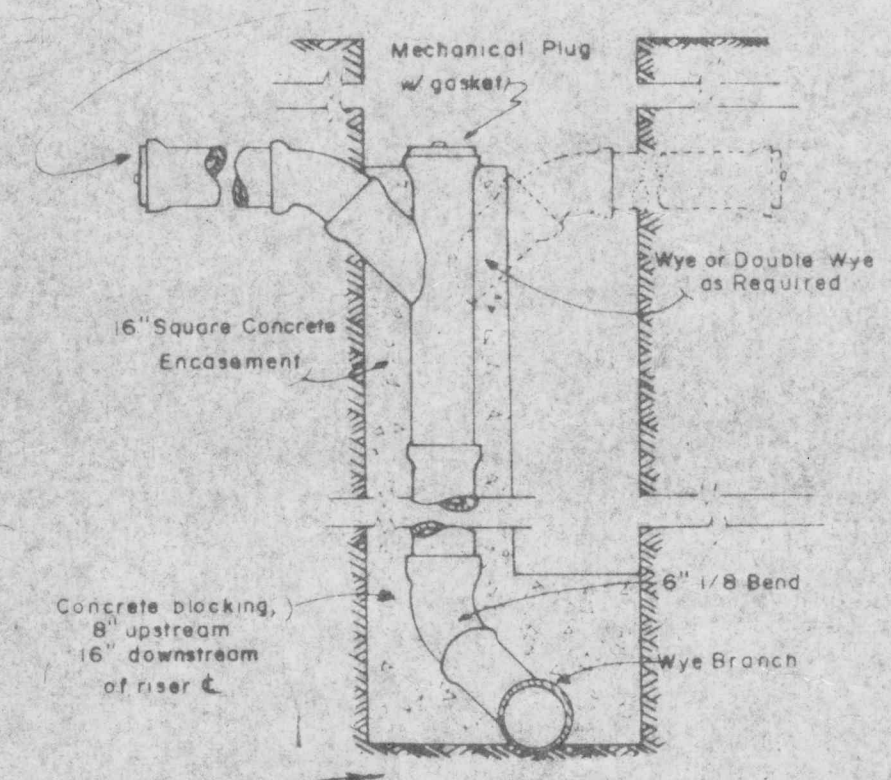
MANHOLE FRAME & COVER



LOCATING STUD

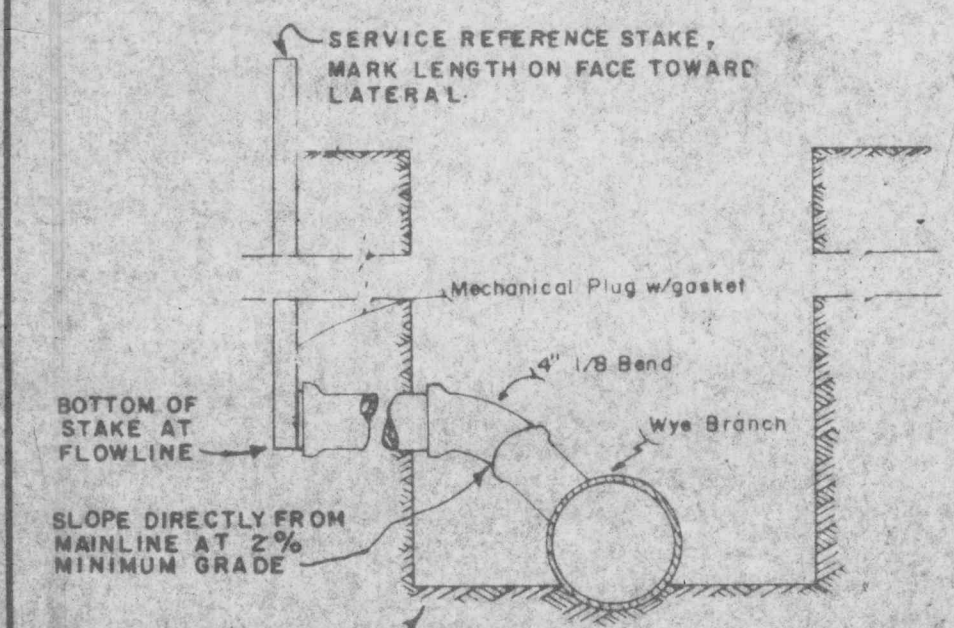


CAP SCREW
3 Req'd, Pent. Head,
Bronze or Cad. Plate



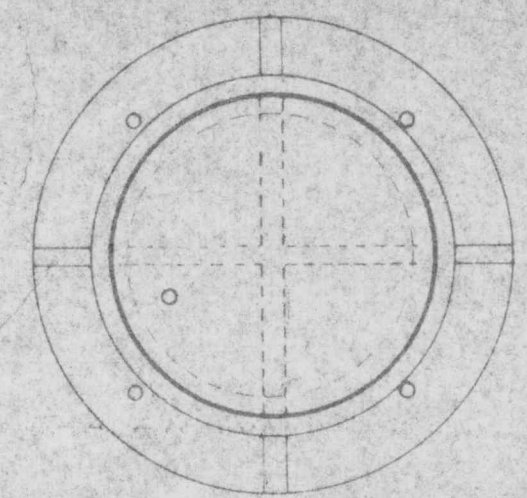
STANDING CONNECTION
SCALE: 1/2" = 1'-0"

BEDDING AS REQUIRED

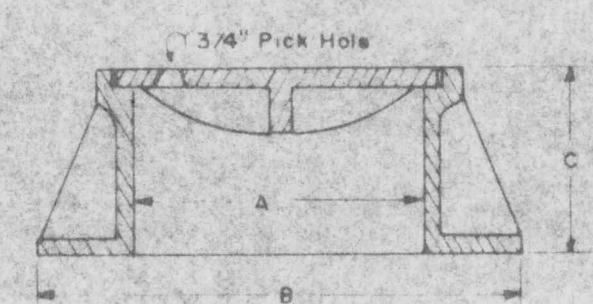


SERVICE CONNECTION
SCALE: 1/2" = 1'-0"

BEDDING AS REQUIRED



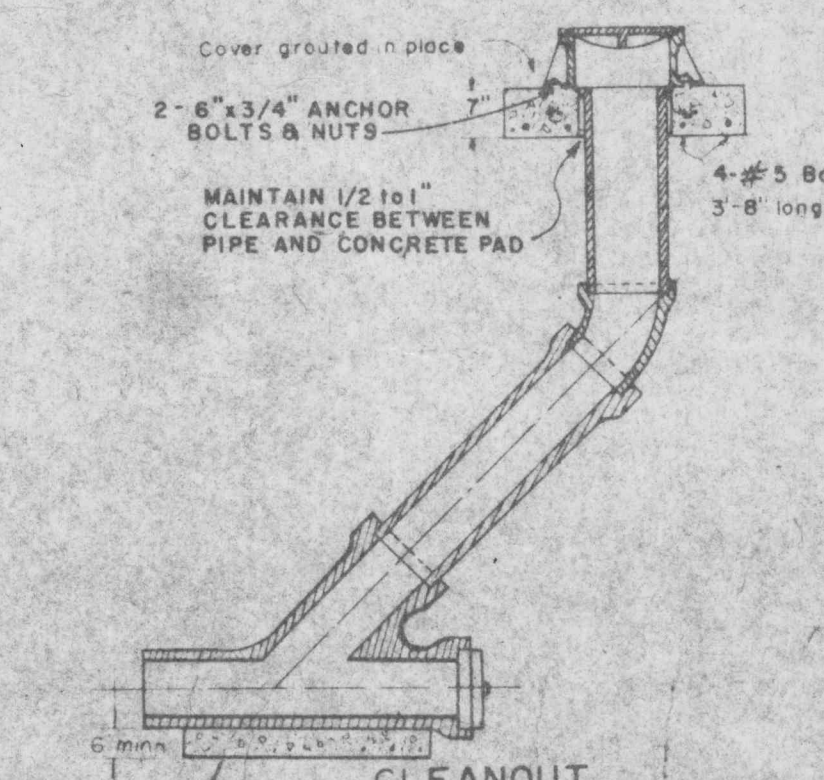
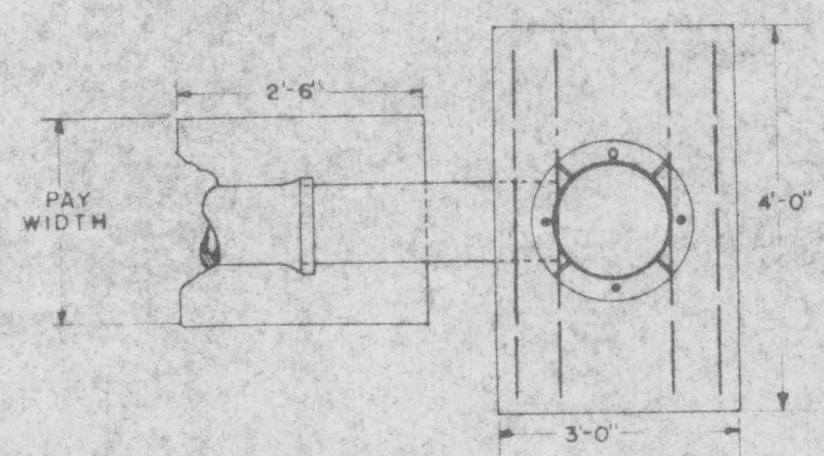
PLAN



CLEANOUT
FRAME AND COVER

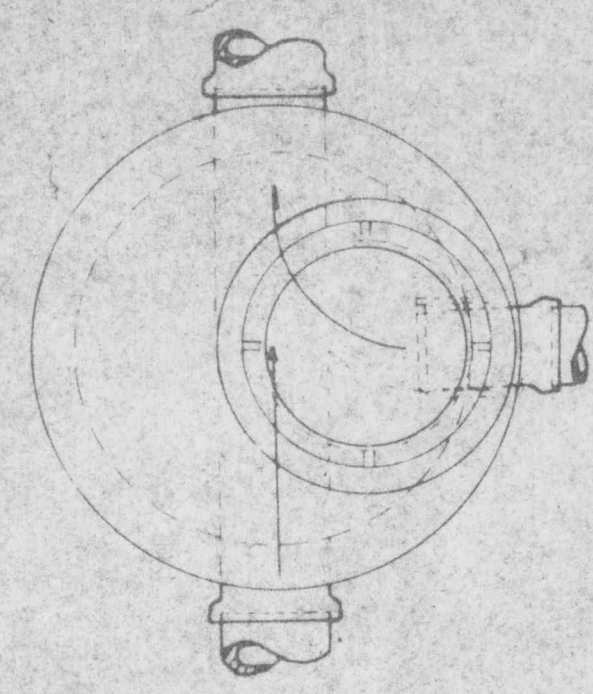
TYPE	DIMENSION IN INCHES				WEIGHT IN Lbs.	
	A	B	C	D	FRAME	COVER
MANHOLE	23	31	10	3	240	140
CLEANOUT-8" CSP	12	20	7 3/4	--		
CLEANOUT-6" CSP	9	11 1/2	6 3/4	--		

TAMPERPROOFING
for
MANHOLE COVERS
NOT TO SCALE

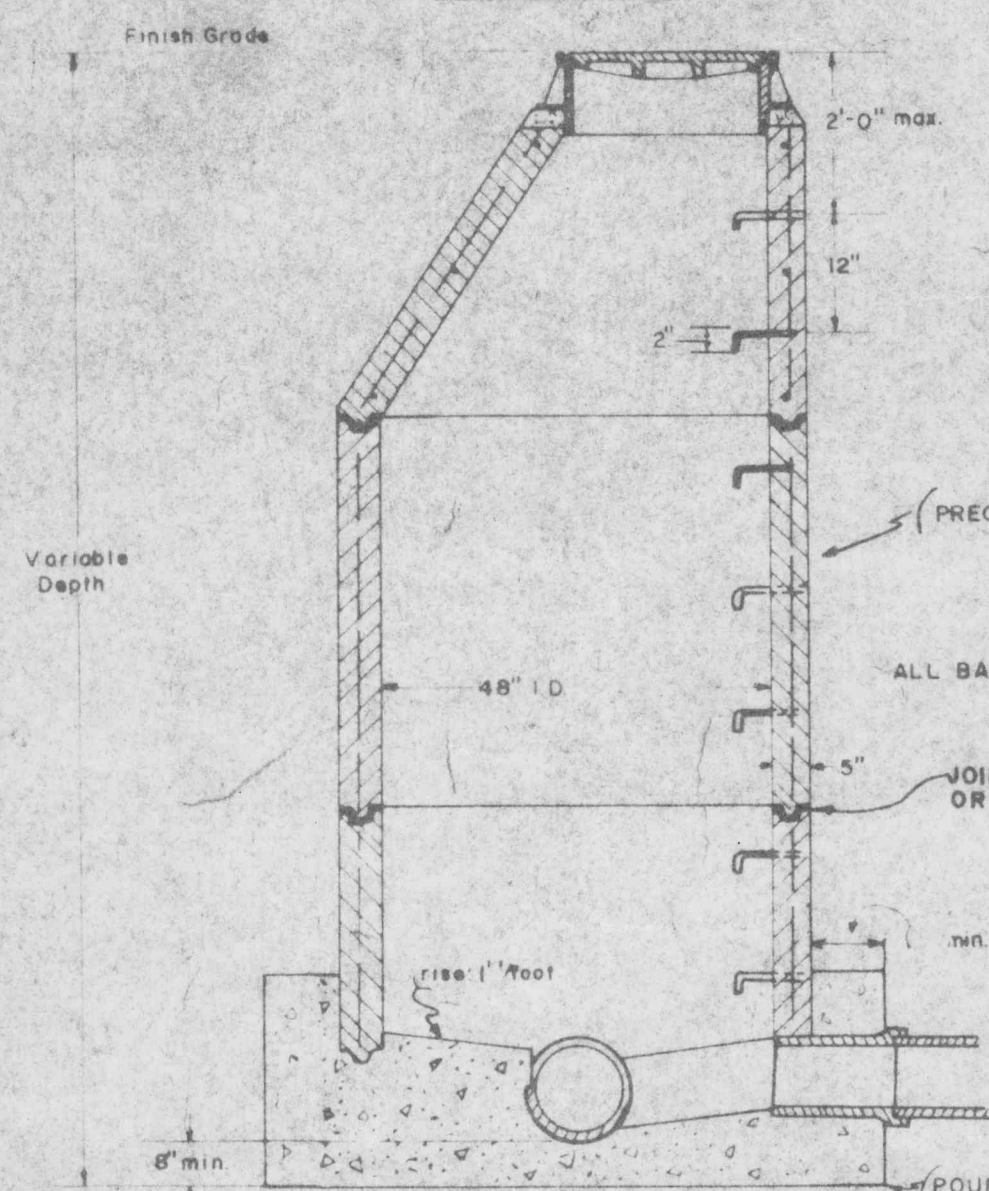


CLEANOUT
SCALE: 1/2" = 1'-0"

CONCRETE TO SPRINGLINE

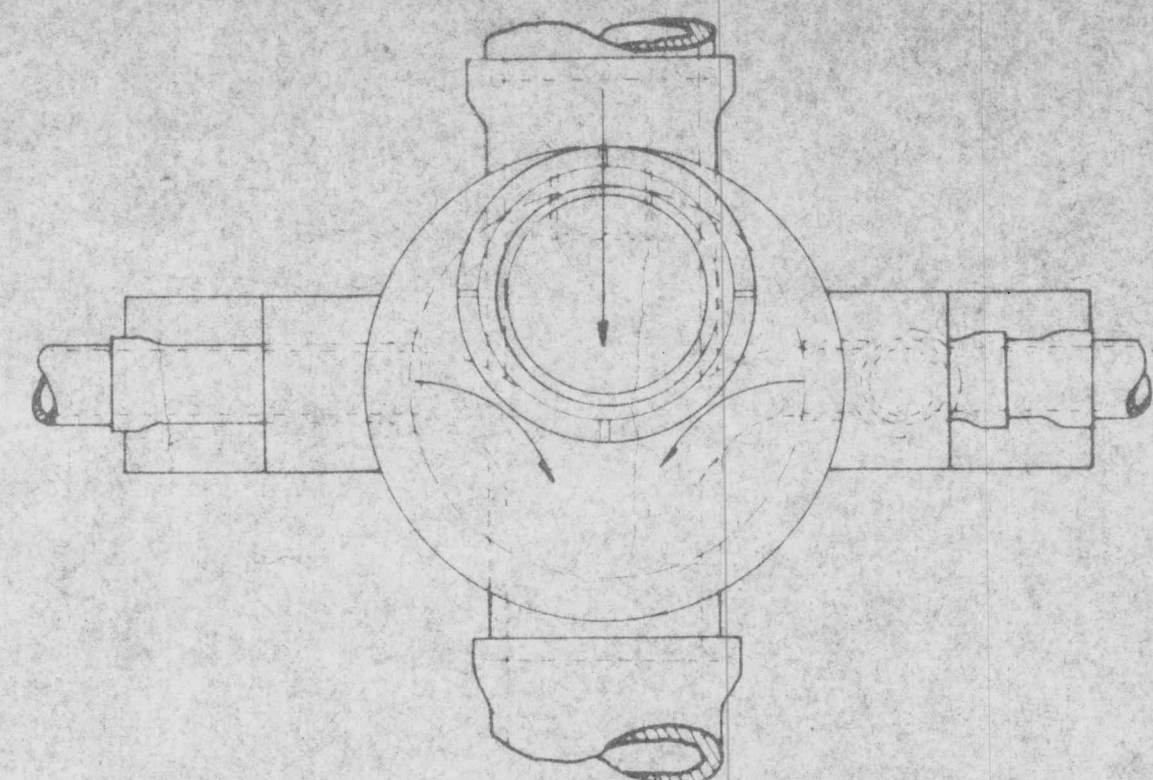


PLAN of TOP

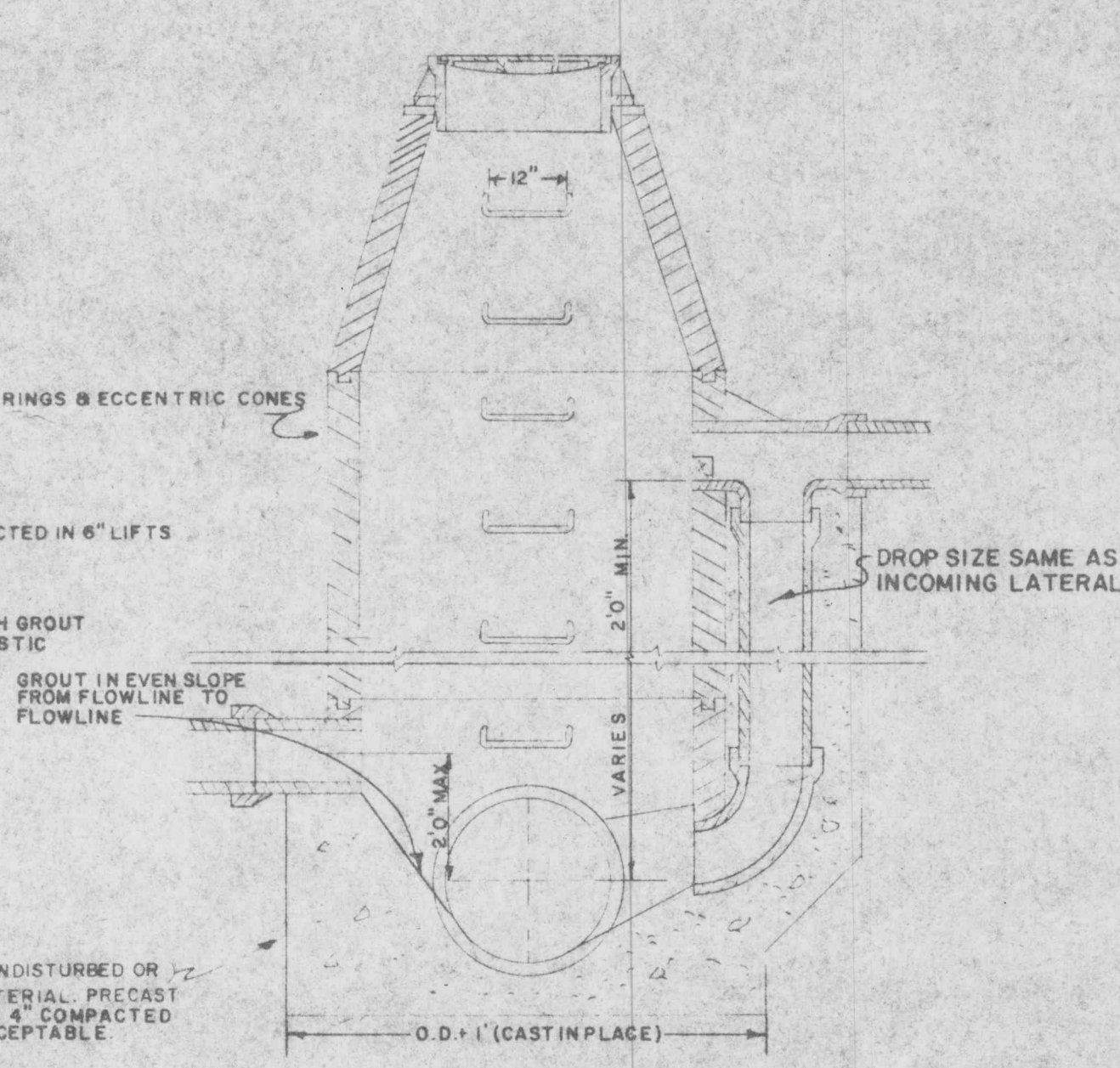


STANDARD MANHOLE
SCALE: 1/2" = 1'-0"

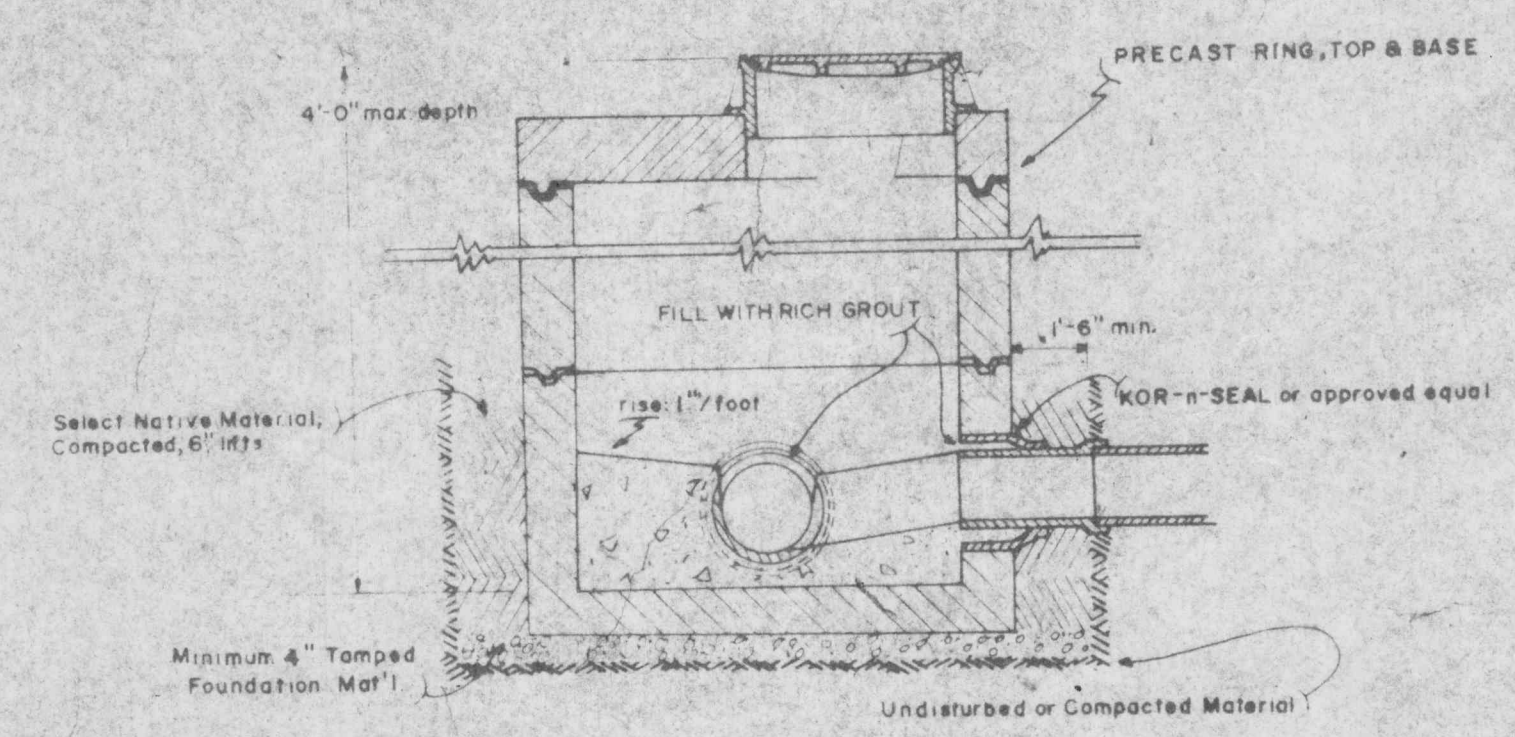
PRECAST MATERIAL SHALL CONFORM TO A.S.T.M. C-478



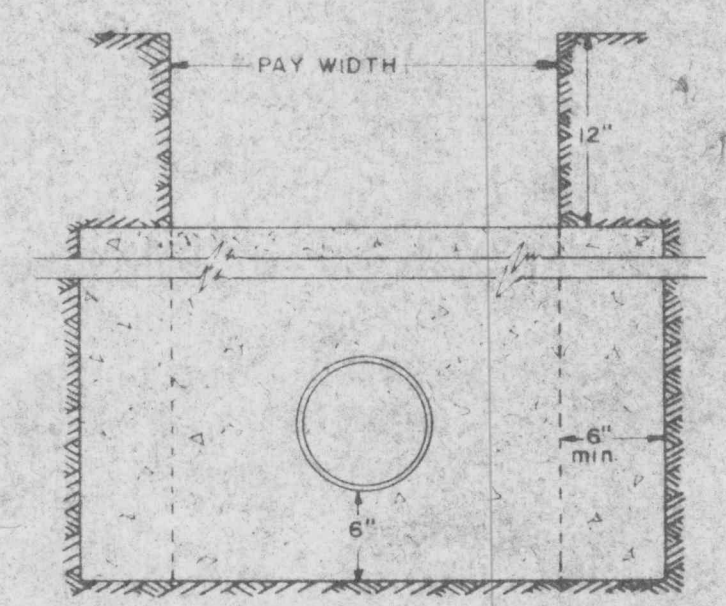
PLAN



DROP MANHOLE
SCALE: 1/2" = 1'-0"

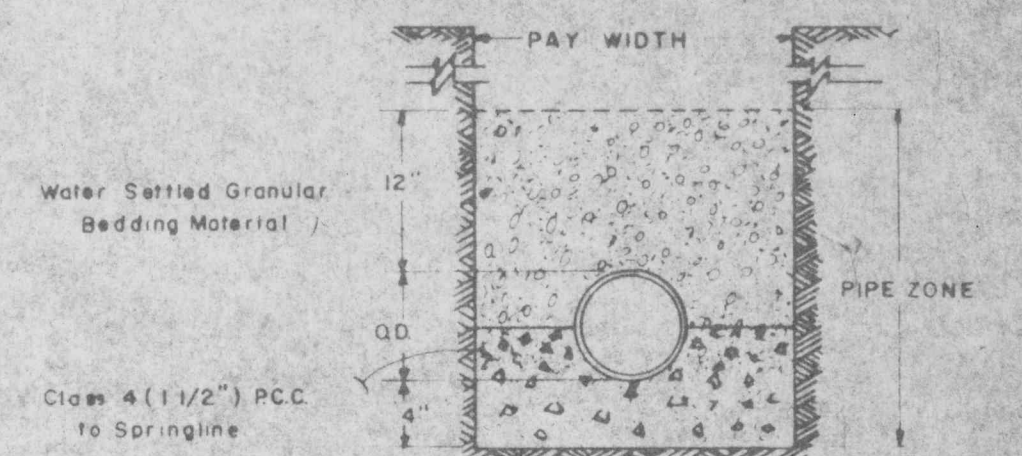


SHALLOW MANHOLE
SCALE: 1/2" = 1'-0"

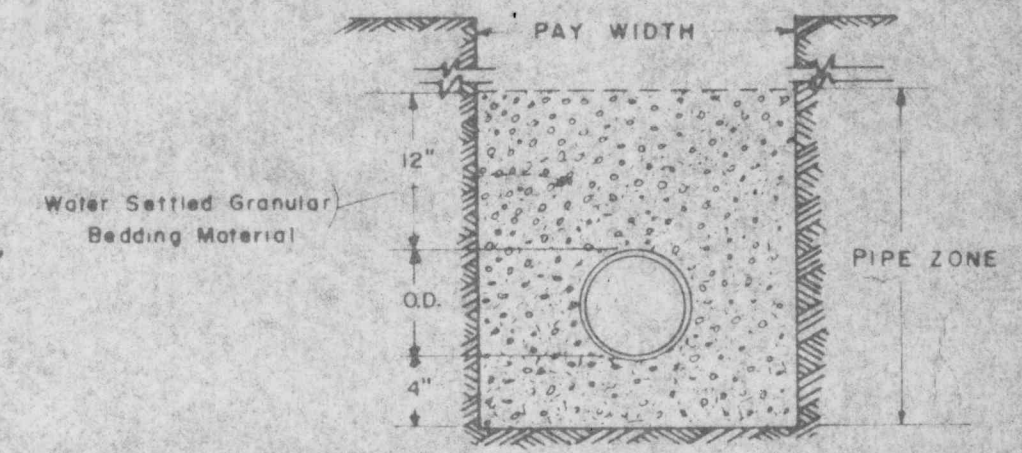


CONCRETE ANCHOR
SCALE: 1" = 1'-0"

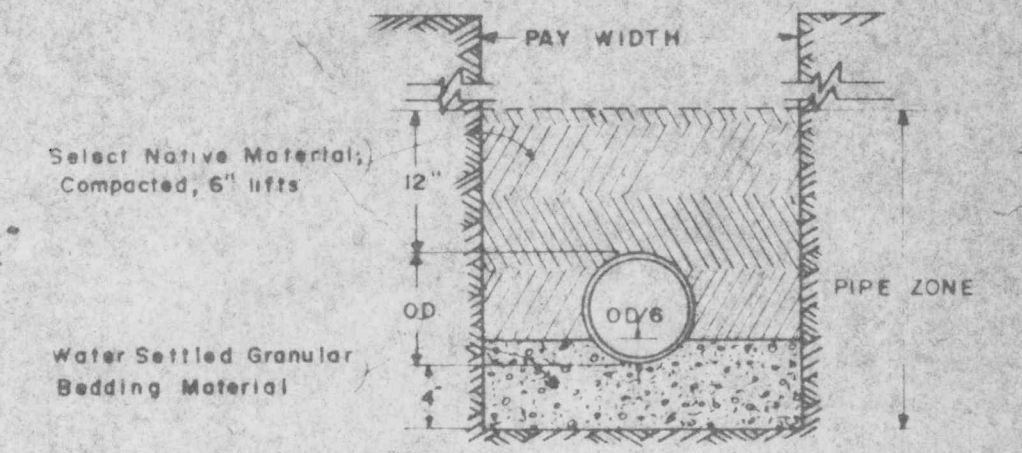
CONCRETE ANCHOR SPACING	
SLOPE PERCENT	MINIMUM CENTER TO CENTER
20 to 34	35 feet
35 to 50	25 feet
OVER 50	15 feet or CONCRETE ENCASE



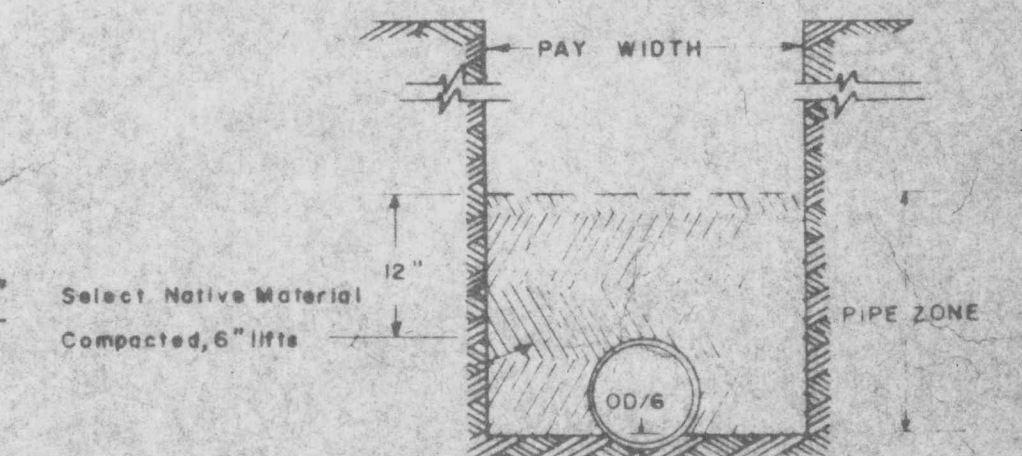
CLASS "A"



CLASS "B"

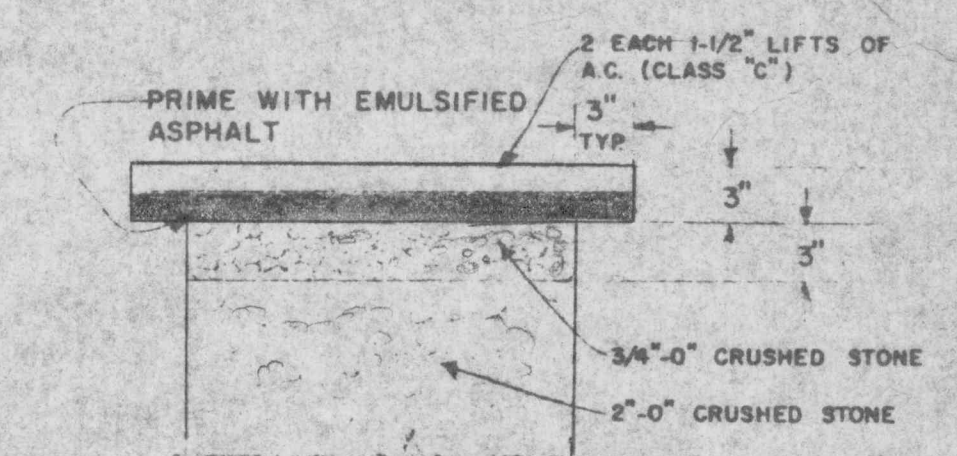


CLASS "C"

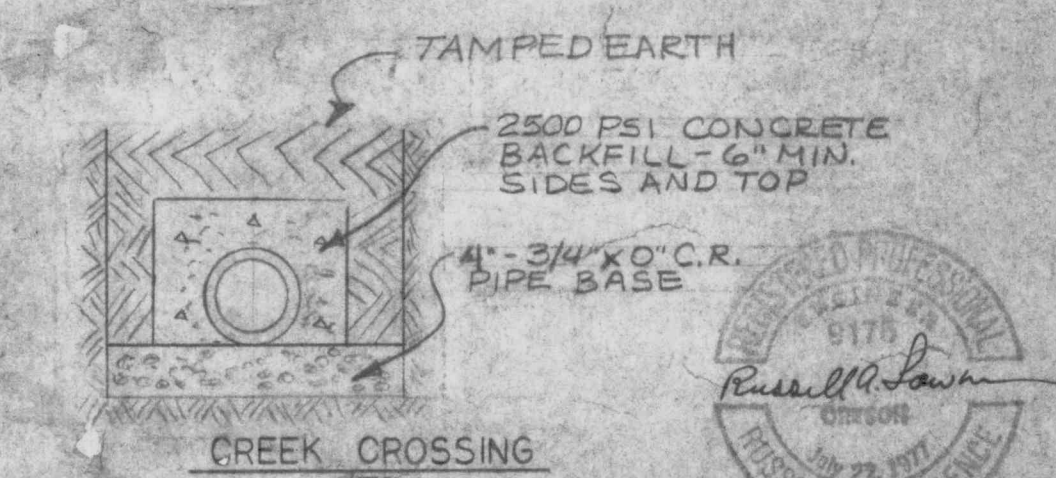


CLASS "D"

BEDDING REQUIREMENTS
NOT TO SCALE



A.C. PAVEMENT RESTORATION



CREEK CROSSING

FIELDVIEW

APR 27 1979

5-22-78	1	CREEK CROSSING DETAIL	REVISION
DATE	NO.	FILE	77-1241-968

DRAWN	AS SHOWN	DATE	APRIL 78
SCALE	AS SHOWN	DATE	APRIL 78

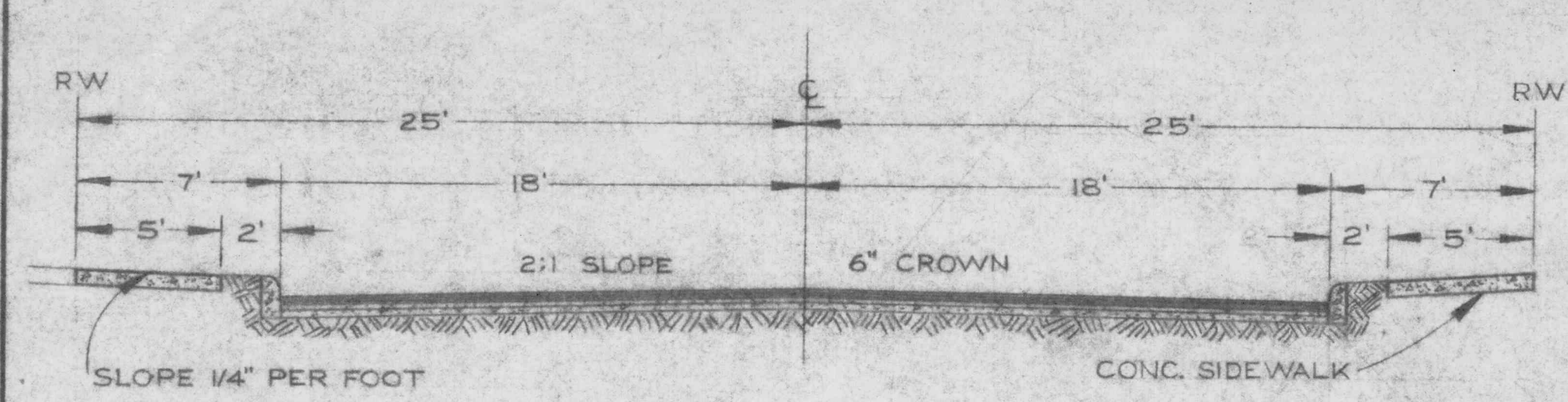


COMPASS CORPORATION
ENGINEERING SURVEYING PLANNING
6564 S.E. LAKE ROAD MILWAUKIE, OREGON 97222

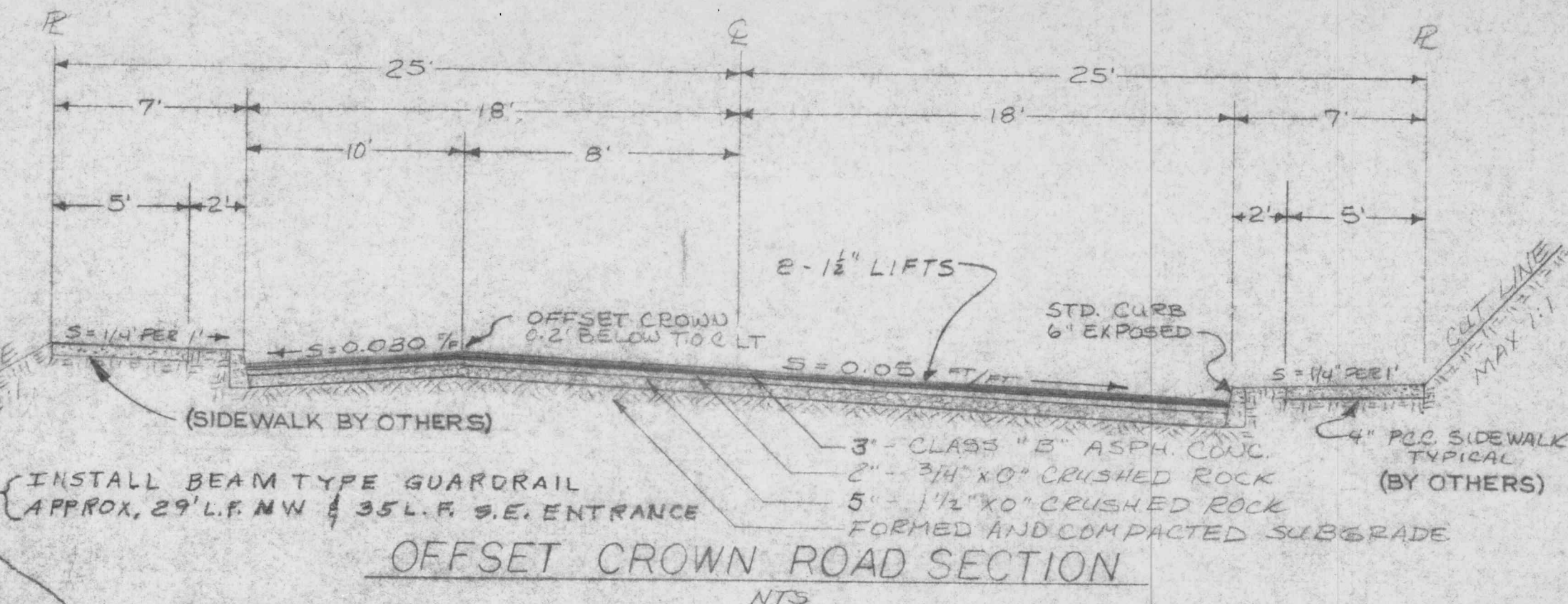
653-9093
222-4652

ENVIRONMENTAL HOMES
802 MAIN STREET
OREGON CITY, OREGON 97045

SANITARY SEWER DETAILS

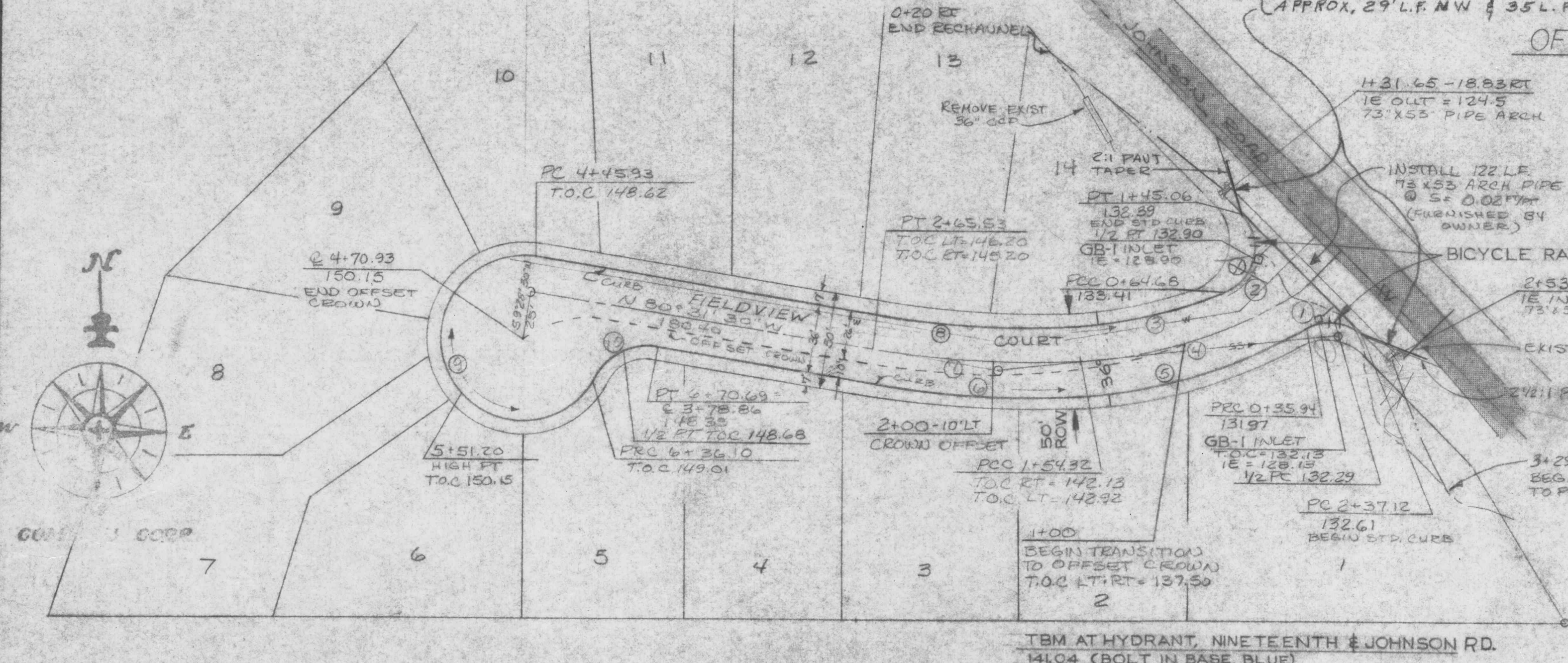


STANDARD STREET SECTION
N.T.S.

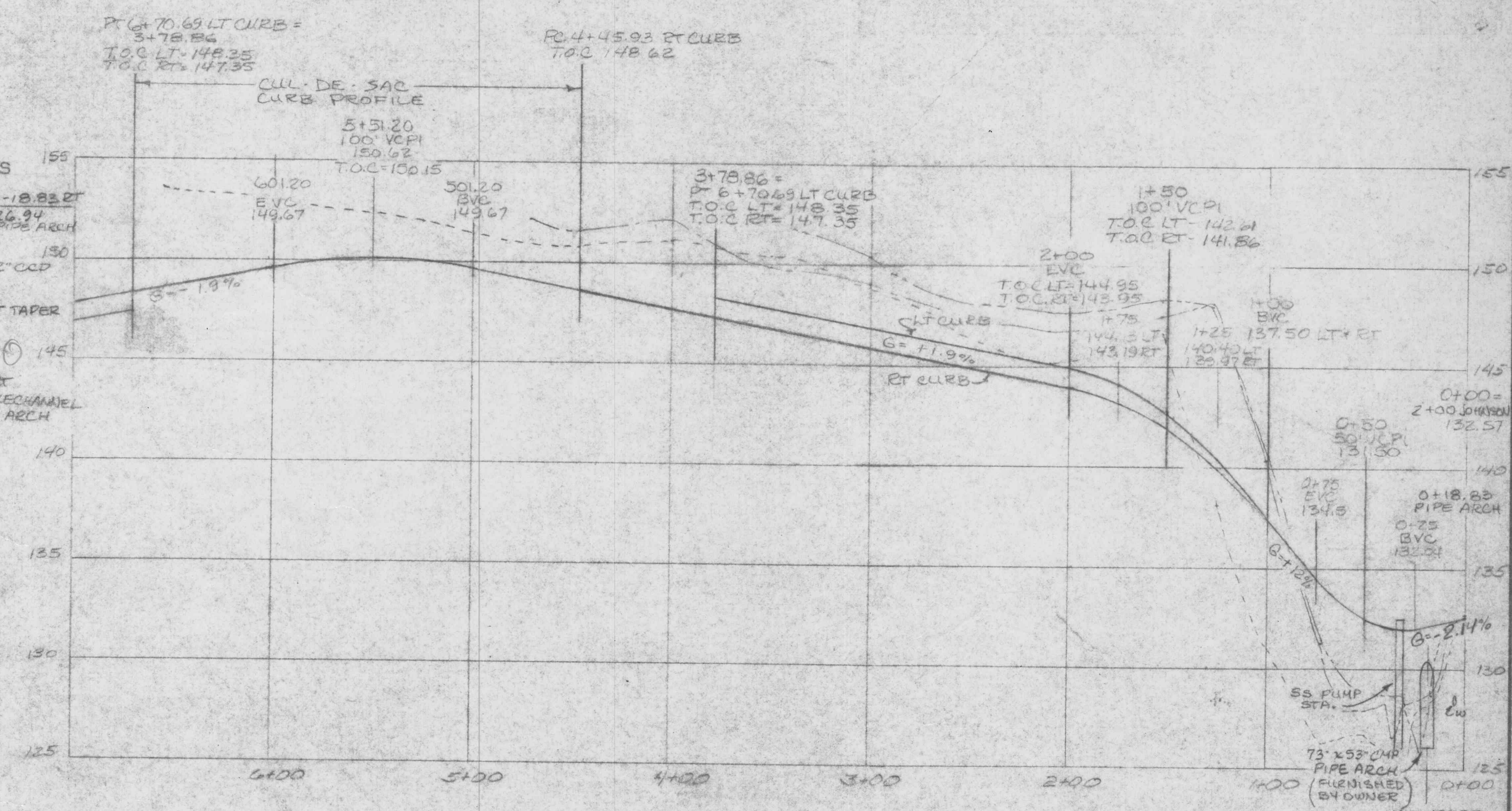


OFFSET CROWN ROAD SECTION
N.T.S.

STREET AND DRAINAGE NOTES
ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE CITY OF WEST LINN PUBLIC WORKS DEPARTMENT, O.S.H.D., AND A.P.W.A. OREGON CHAPTER, SPECIFICATIONS.
CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND BRING ANY CONFLICTS TO ENGINEER'S ATTENTION FOR RELOCATION.
CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
MATERIAL IN SOFT SPOTS WITHIN THE ROADWAY SHALL BE REMOVED TO THE DEPTH REQUIRED TO PROVIDE A FIRM FOUNDATION AND SHALL BE REPLACED WITH 2 1/2-INCH MINUS CRUSHED ROCK. THE ENTIRE SUBGRADE SHALL BE THOROUGHLY COMPACTED TO A.P.W.A., OREGON CHAPTER SPECIFICATIONS.
CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, AND OTHER MATERIAL IN THE ROADWAY AND CHANNELS AS REQUIRED. MATERIAL SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET LOCAL REGULATIONS.

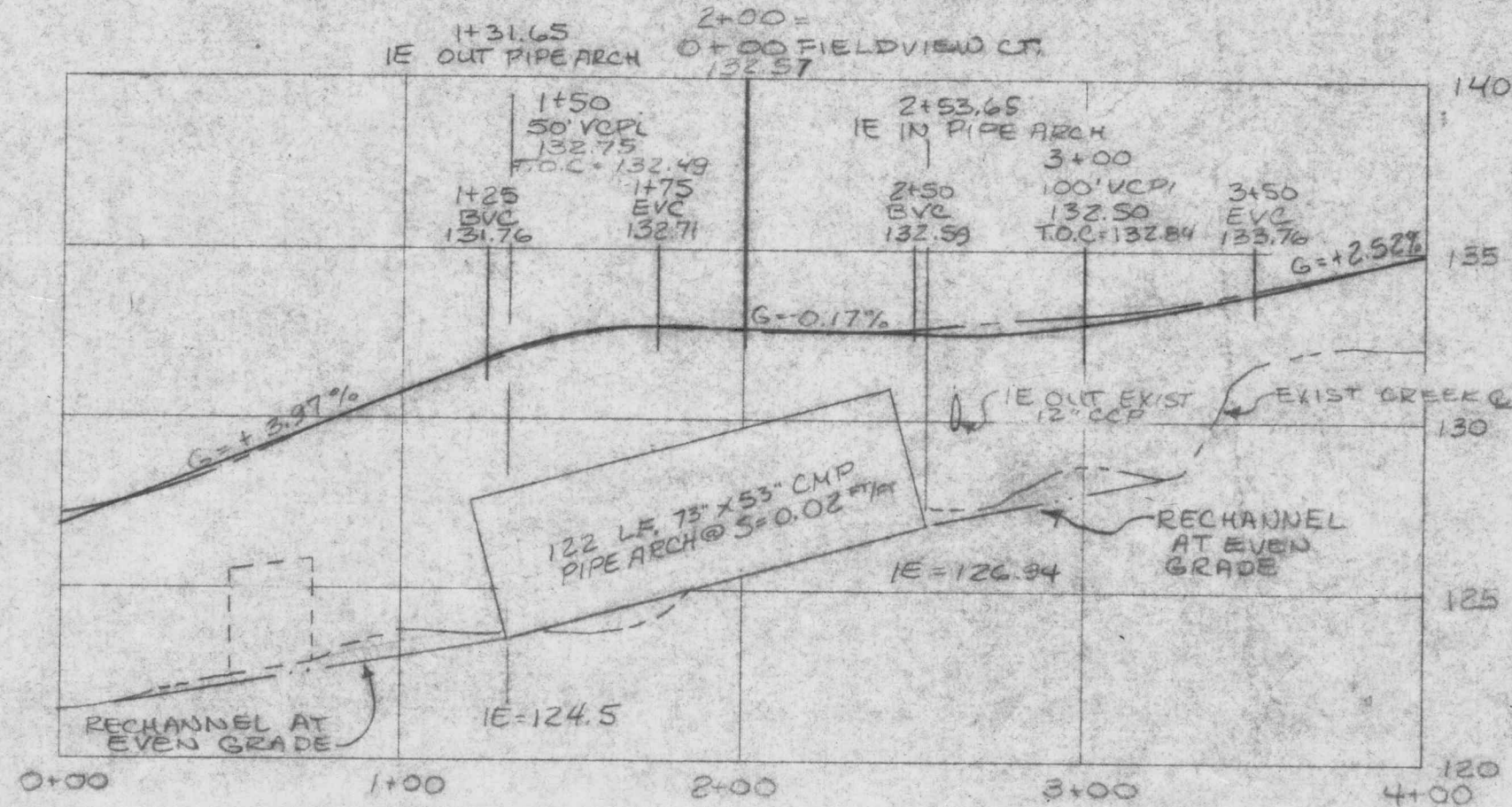


PLAN
1"=50'

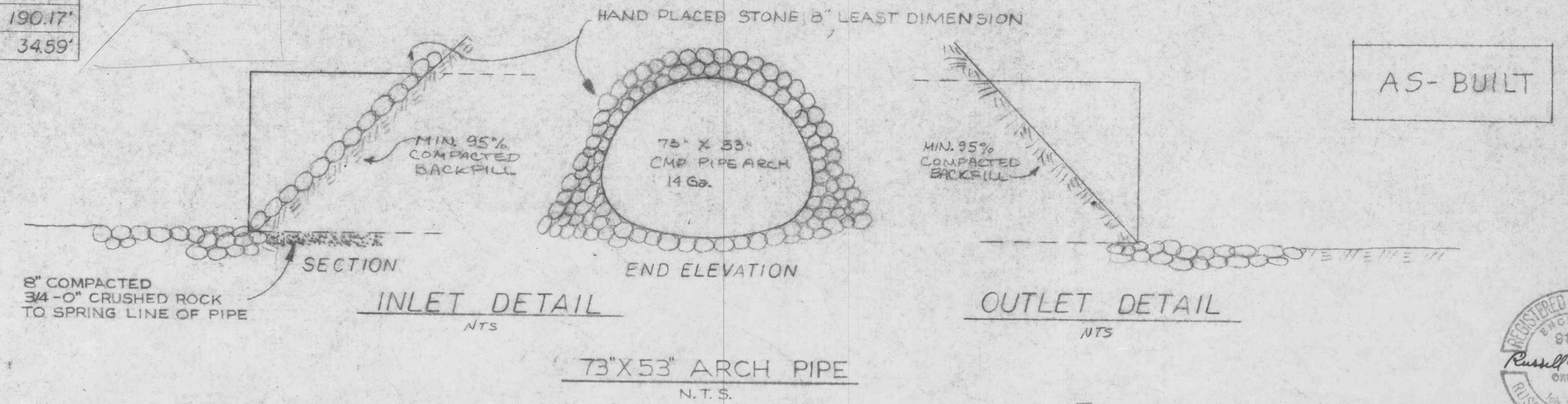


PROFILE: FIELDVIEW COURT
1"=50' HORIZ 1"=5' VERT

CURVE	RADIUS	DELTA	LENGTH
1 CURB	25'	74°49'16"	32.65'
2 CURB	25'	111°49'08"	48.49'
3 CURB	230'	27°21'02"	109.79'
4	248'	28°43'15"	124.32'
5 CURB	266'	20°42'38"	96.15'
6 CURB	538'	12°15'14"	115.06'
7	520'	12°15'14"	111.21'
8 CURB	502'	12°15'14"	107.36'
9 CURB	43'	253°23'55"	190.17'
10 CURB	27'	73°23'54"	34.59'



PROFILE JOHNSON ROAD
1"=50' HORIZ 1"=5' VERT



AS-BUILT

12-18-78	Guardrail	DATE	4-10-79
NO.	SECTION DETAIL	REVISION	

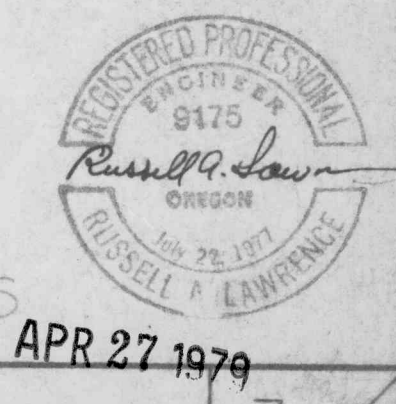


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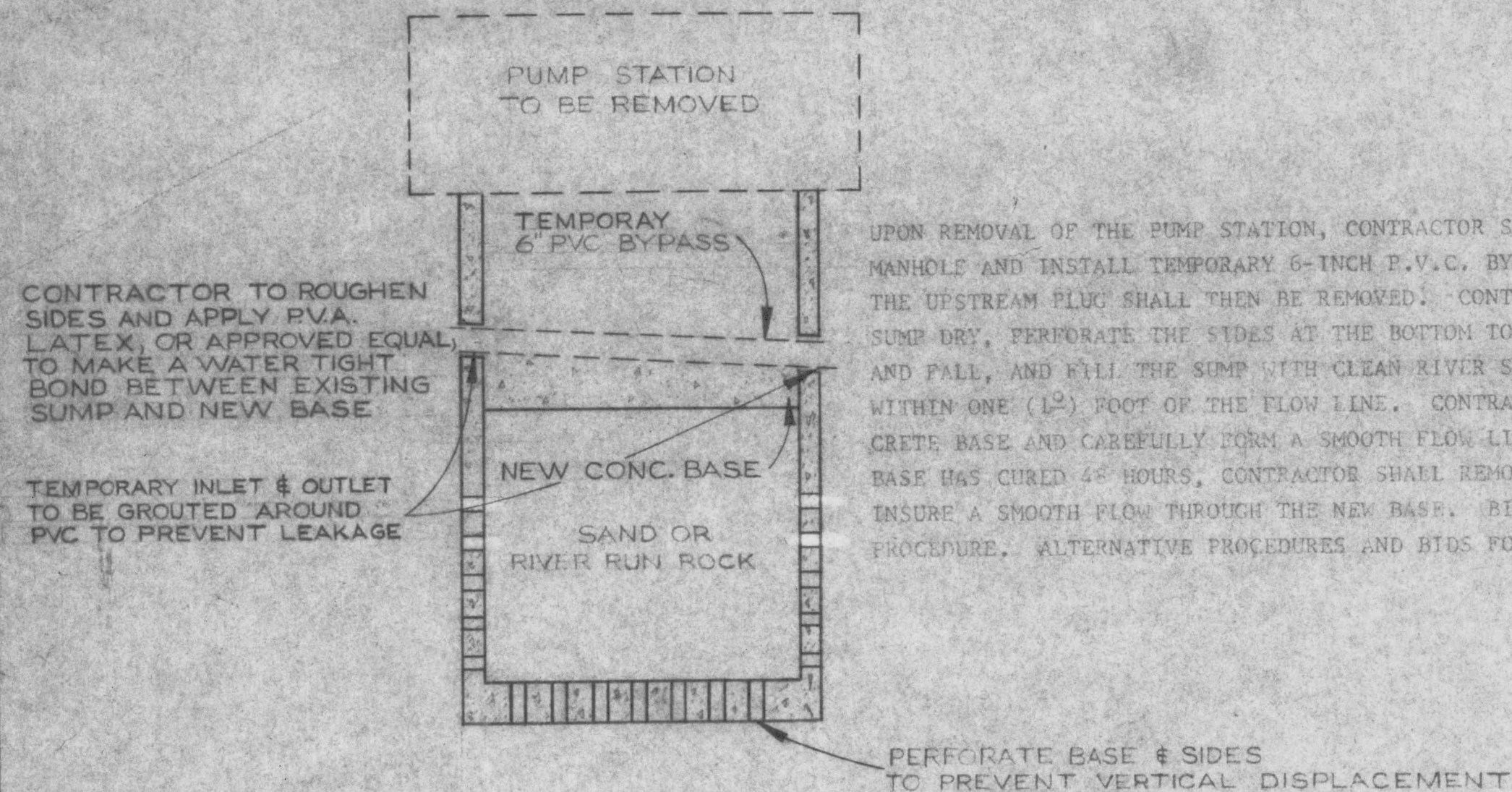
FIELDVIEW ESTATES

ROAD AND STORM DRAINAGE
IMPROVEMENTS



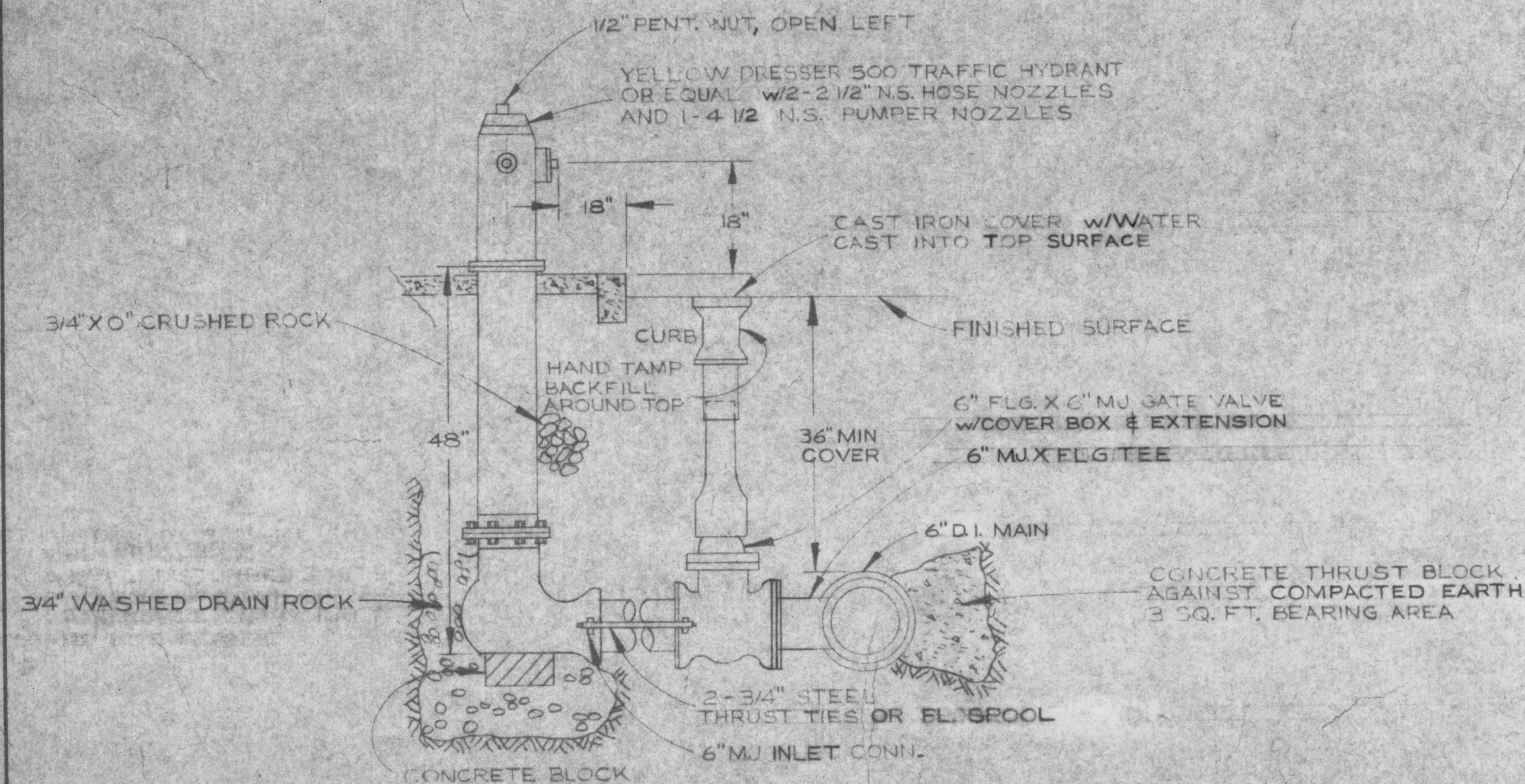
APR 27 1979

REPLACE PUMP STA. W/72" FLAT TOP W/48" OPENING OFFSET # STD 48" CONE; SUBURBAN COVER



EXISTING PUMP STATION RECONSTRUCTION

N.T.S.



FIRE HYDRANT ASSEMBLY

N.T.S.

PUMP STATION MOVE PROCEDURE

IN ORDER TO SERVE THE FIELDVIEW SUBDIVISION SANITARY SEWERAGE NEEDS, THE PUMP STATION CURRENTLY LOCATED EAST OF 19th ON JOHNSON ROAD WILL HAVE TO BE RELOCATED AT FIELDVIEW DRIVE. THE FORCE MAIN AND GRAVITY LINE ARE TO BE EXTENDED TO THE SITE. THE STATION IS A HYDRONIX, INC. SUC-A-PRIME MODEL 110. THERE ARE CURRENTLY 3 HORSE POWER PUMPS IN THE STATION. TO SERVICE THE LOWER AREA AT FIELDVIEW DRIVE THESE PUMPS WILL HAVE TO BE IMPROVED TO 5 HP. THE INTERNAL PUMP STATION MODIFICATIONS, ELECTRICAL AND PLUMBING WORK SHALL BE PERFORMED BY HYDRONIX, INC. WITH THE STATION ON LINE AT IT'S PRESENT SITE. HYDRONIX, INC. SHALL ASSIST THE CONTRACTOR IN THE PUMP STATION MOVE AS REQUESTED. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIAL, EQUIPMENT AND LABOR TO PERFORM THE REMAINING WORK FOR MOVING THE PUMP STATION. THE REMAINING WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, EXTERNAL ELECTRICAL CONNECTIONS AND DISCONNECTIONS (TO INCLUDE PULLING POWER FROM METER AND REMOVAL OF SERVICE AT EXISTING SITE), ALL REQUIRED EXCAVATION, LIFTING AND TRANSPORTING THE STATION, PLACING AND INSTALLING THE STATION AT THE NEW SITE, AND ALL CLEANUP AND SITE RESTORATION.

PRIOR TO THE PUMP STATION BEING SHUT DOWN AT THE EXISTING SITE, THE NEW PUMP STATION SUMP, THE JOHNSON MAIN SEWER AND THE FORCE MAIN SHALL BE INSTALLED TESTED AND COMPLETED IN ALL RESPECTS TO ENGINEER'S SATISFACTION. CONTRACTOR SHALL CAREFULLY PERFORM ALL NECESSARY EXCAVATION TO PREPARE THE STATION FOR MOVEMENT.

UPON STATION SHUT DOWN, HYDRONIX, INC. SHALL ASSIST CONTRACTOR IN DRAINING THE FORCE MAIN AND PREPARING THE PUMP STATION FOR MOVEMENT. CONTRACTOR SHALL MAKE ELECTRICAL DISCONNECTION AND LIFT THE STATION CLEAR OF THE SUMP. EQUIPMENT USED IN LIFTING THE STATION SHALL HAVE A MINIMUM SAFE WORKING LOAD OF 3000 LBS. IN THE PROPOSED WORKING POSITION. HYDRONIX, INC. SHALL ASSIST IN SECURING FLOAT SWITCHES AND OTHER WORK REQUIRED TO PROTECT THE STATION DURING THE MOVE. CONTRACTOR SHALL PROCEED WITH THE CONSTRUCTION OF THE SUMP BY-PASS AS SPECIFIED UNDER THE EXISTING PUMP STATION RECONSTRUCTION DETAILS.

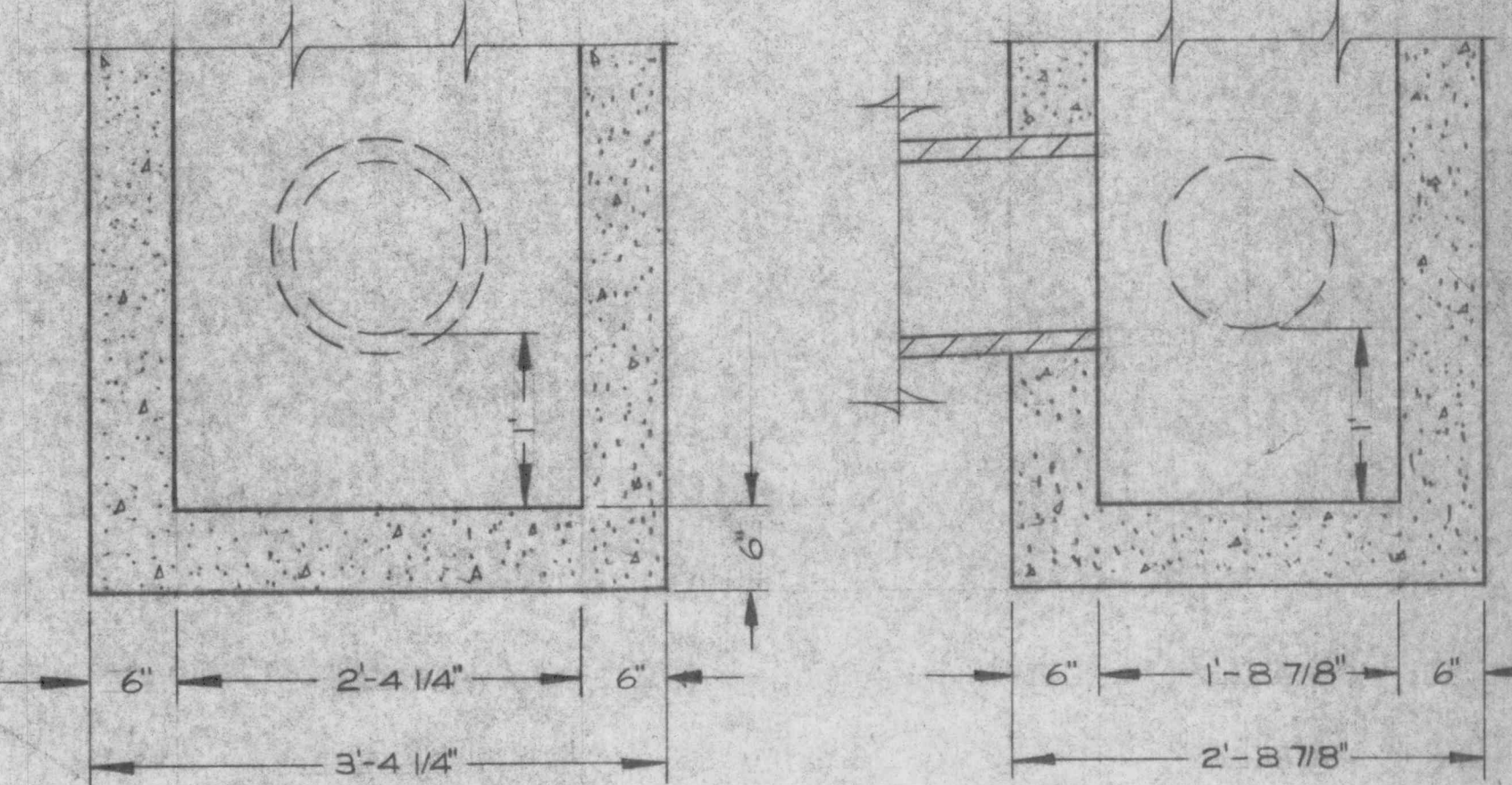
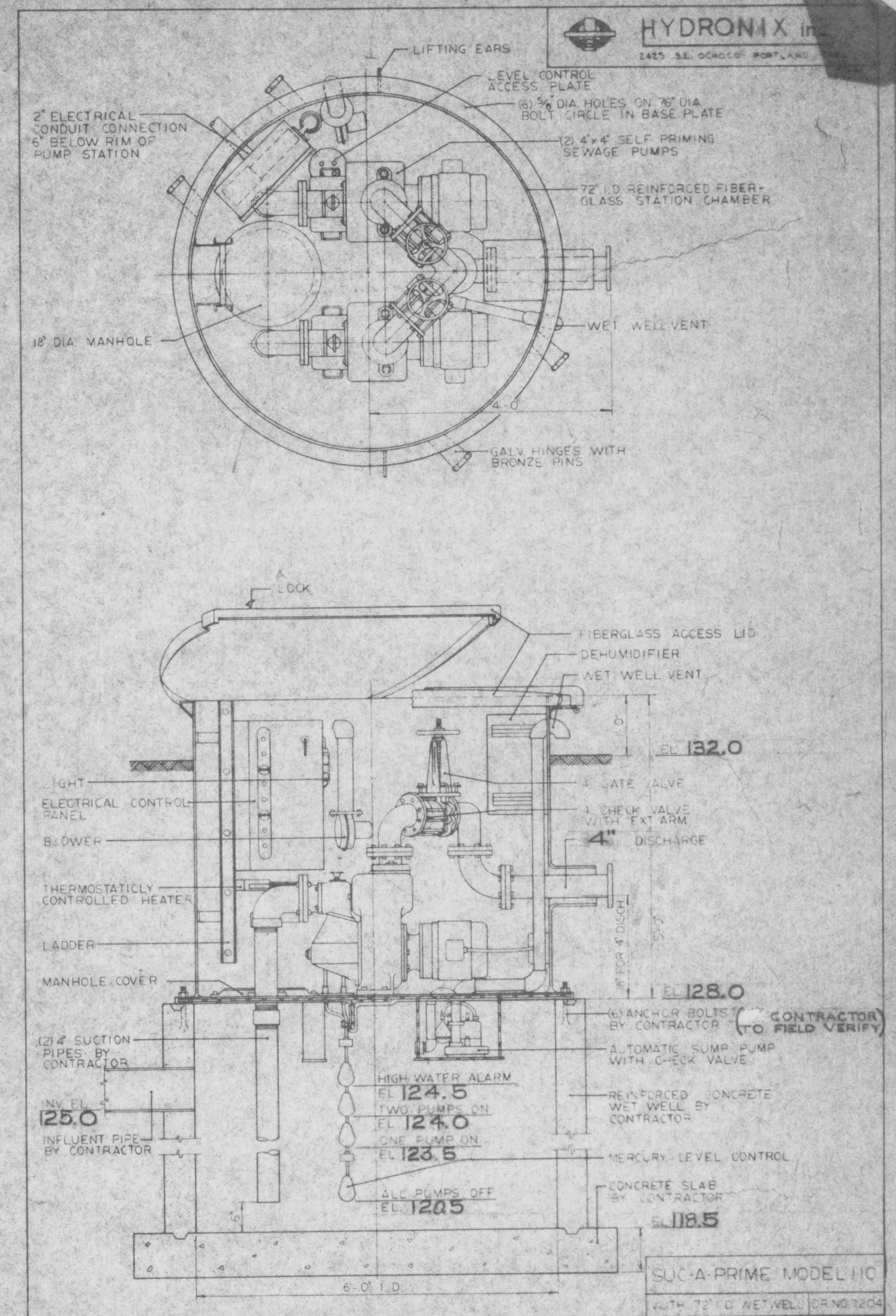
CONTRACTOR SHALL TRANSPORT THE STATION TO THE NEW SITE AND HYDRONIX, INC. SHALL ASSIST IN RECONNECTING PLUMBING AND PLACING THE STATION ON THE NEW SUMP. CONTRACTOR SHALL CONNECT THE NEW FORCE MAIN AND ALL EXTERNAL ELECTRICAL CONNECTIONS TO THE STATION. HYDRONIX, INC. SHALL ASSIST IN PERFORMING REQUIRED TESTS TO ASSURE NO DAMAGE OCCURRED DURING THE MOVE AND THAT THE STATION IS IN FACT READY FOR CONTINUED USE AT THE NEW SITE. IN ORDER TO PROVIDE CONTINUOUS SERVICE TO THE EXISTING SANITARY COLLECTION SYSTEM, CONTRACTOR SHALL COLLECT AND TRANSPORT EFFLUENT GENERATED BETWEEN THE TIME THE STATION IS SHUT DOWN AND THEN BROUGHT BACK ON LINE. COLLECTION AND PUMPING SHALL BE PERFORMED AS HEREIN DESCRIBED.

CONTRACTOR SHALL PLUG THE OUTLET OF MANHOLE NO. 2 (JOHNSON MAIN STATION 11480) AND MAKE NECESSARY ARRANGEMENTS TO HAVE THE EFFLUENT PUMPED FROM MANHOLE NO. 2 INTO APPROVED TRANSPORT AND THENCE TRANSPORTED TO, AND DUMPED INTO, THE MANHOLE LOCATED AT THE NORTH END OF 16TH, APPROXIMATELY 20 FEET BEYOND THE CUL-DE-SAC FENCE.

ALL PRACTICAL CARE SHALL BE TAKEN TO PREVENT SLOPOVER AND OTHER TYPES OF SPILLAGE DURING PUMPING, TRANSPORT AND DUMPING OF EFFLUENT. CONTRACTOR SHALL BE HELD STRICTLY LIABLE FOR THE EXPENSE OF CLEANING UP, AND ANY DAMAGES ARISING FROM SPILLAGES. THIS EFFLUENT REMOVAL OPERATION SHALL BE REQUIRED CONTINUOUSLY UNTIL THE PUMP STATION IS PLACED AT THE NEW SITE AND IS OPERATIONAL IN ALL RESPECTS. AN ESTIMATED FLOW OF 6000 GALLONS MAY BE EXPECTED BETWEEN 3 AM AND 5 PM.

DURING THE PUMP STATION MOVE, CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO CONNECT THE NEW FORCE MAIN TO THE EXISTING 4-INCH C.I. FORCE MAIN. THIS MAIN SHALL THEN BE AIR PRESSURE TESTED TO INSURE WATER TIGHT INTEGRITY OF THE TOTAL SYSTEM.

CONTRACTOR SHALL PROVIDE ENGINEER WITH AN HOURLY ACTIVITY SCHEDULE OF THE MOVE. THIS SCHEDULE WILL BE FROM 9:00 A.M. ONWARD DURING A TUESDAY, WEDNESDAY OR THURSDAY. THE SCHEDULE SHALL BE UTILIZED BY THE ENGINEER TO SCHEDULE ASSOCIATED ACTIVITIES. A LIST OF ALL PERSONNEL, THEIR RESPONSIBILITIES, MATERIALS AND EQUIPMENT TO BE USED DURING THE MOVE SHALL BE PROVIDED TO THE ENGINEER FOR FURTHER DISEMINATION AT LEAST 7 CALENDAR DAYS PRIOR TO THE PROPOSED MOVE DATE. AT LEAST 2 WORKING DAYS PRIOR TO THE MOVE ALL PERSONNEL INVOLVED IN THE MOVE SHALL ATTEND A 1 HOUR ON-SITE PREMOVE MEETING WITH THE ENGINEER, CITY REPRESENTATIVES, AND OTHERS WHO WILL BE INVOLVED IN THE MOVE. THE PURPOSE OF THE MEETING WILL BE TO RESOLVE INDIVIDUAL ACTIVITIES, RESPONSIBILITIES, AND PROCEDURAL CONFLICTS. CONTRACTOR SHALL WORK CLOSELY WITH THE ENGINEER IN ALL RESPECTS INVOLVING THIS MOVE. BIDS SHALL BE BASED UPON THIS PROCEDURE, ALTERNATIVE PROCEDURES AND BIDS FOR SAME WILL BE CONSIDERED.



WEST LINN GB-1 INLET

N.T.S.

AS-BUILT

FIELDVIEW

APR 27 1979

5-22-78	1	NEW PUMP SETTINGS	R
DATE	NO.	REVISION	
DRAWN BY	MTP	AS SHOWN	DATE
SCALE	77-1241-968	APRIL 78	



COMPASS CORPORATION

ENGINEERING SURVEYING PLANNING

6664 S.E. LAKE ROAD MILWAUKIE, OREGON 97222

ENVIRONMENTAL HOMES
802 MAIN STREET
OREGON CITY, OREGON 97045

WATER, SEWER, & STREET DETAILS

4/4