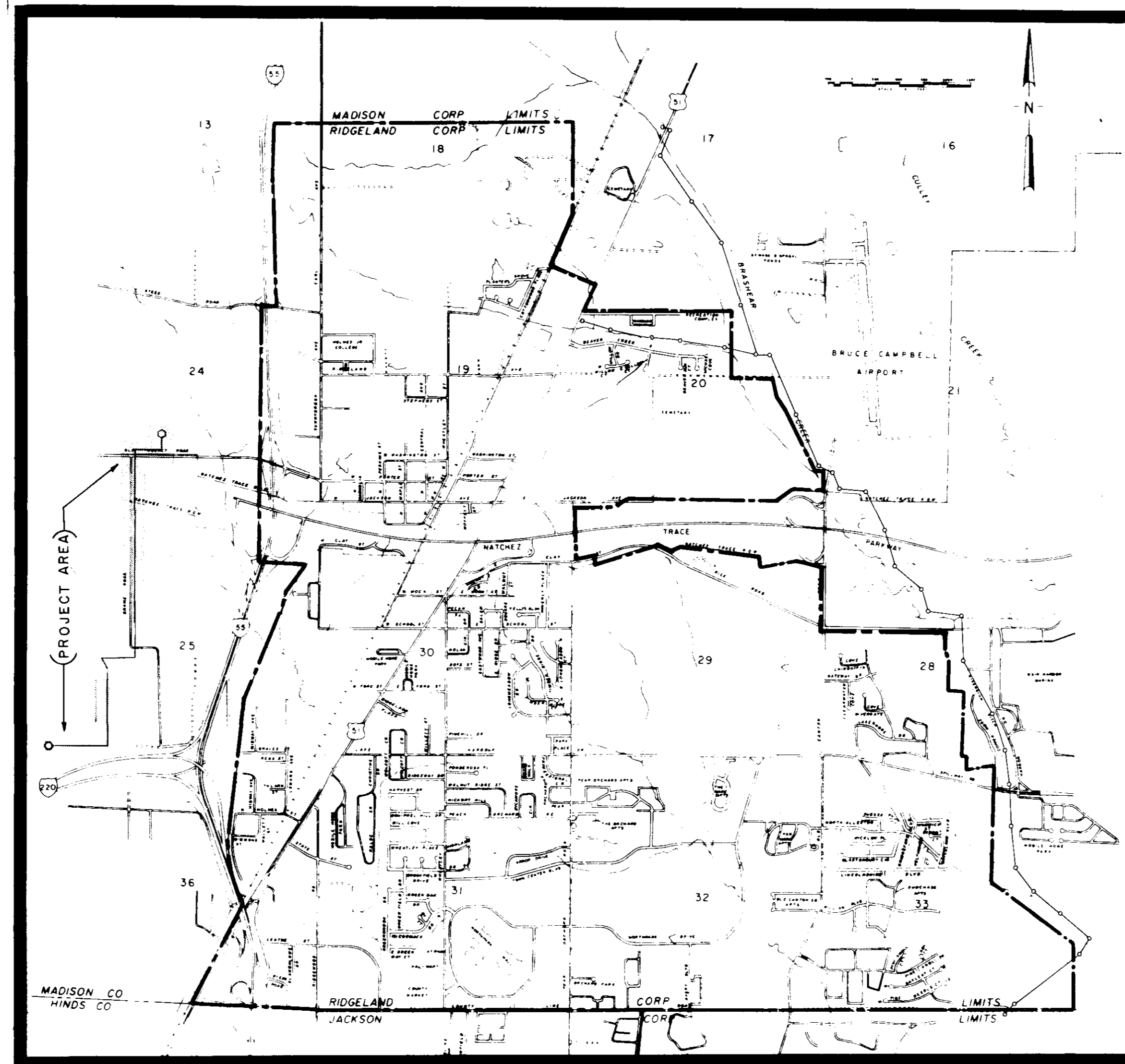


CITY OF RIDGELAND, MISSISSIPPI PURPLE CREEK / WHITE OAK CREEK UTILITY EXTENSIONS - PHASE 1

SITUATED IN SECTIONS 24, 25, 26 & 35, T7N, R1E
MADISON COUNTY, MISSISSIPPI



Mayor:
Hite B. Wolcott

Mayor Pro Tem:
Hilda Boyd

City Attorney:
Milton Case

Aldermen:
Al Bible
Hilda Boyd
Harvey Carr, Jr.
Gene McGee
Gilbert Sollek

Public Works Director
Horace M. Ross

Fire Chief
Kerry Minninger

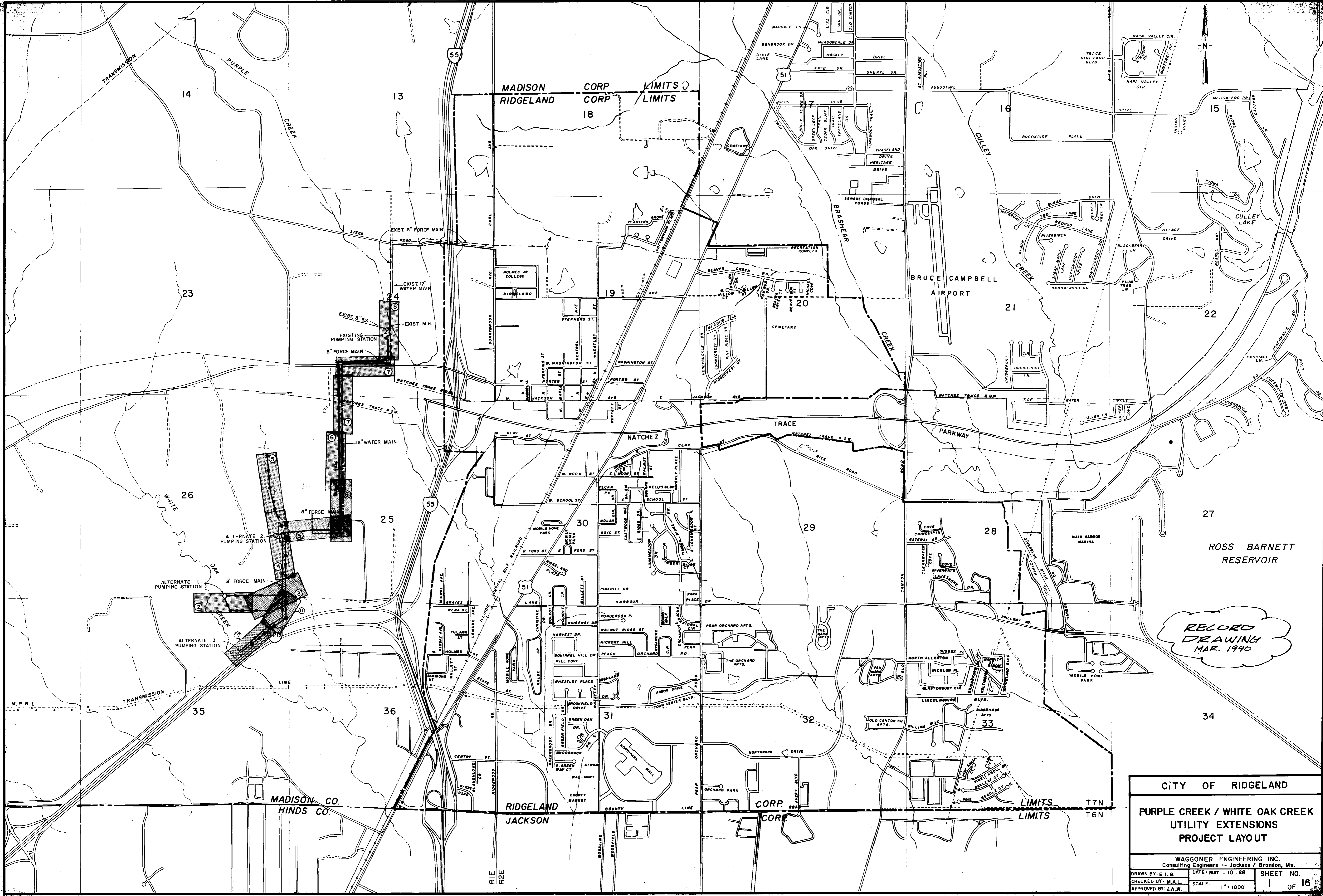
Police Chief
Harold Acy

Waggoner Engineering Inc.
Consulting Engineers
Jackson / Brandon, Ms.

SHEET	INDEX
SHEET NO.	DESCRIPTION
1	PROJECT LAYOUT
2-5	SANITARY SEWER PLAN & PROFILE
6-8	WATER & FORCE MAIN PLAN
9	ACCESS ROAD
10 & 11	SANITARY SEWER PLAN & PROFILE
12 & 13	PUMPING STATIONS
14	WATER DETAILS
15	SANITARY SEWER DETAILS
16	FENCING & GATE ASSEMBLIES

RECORD
DRAWING
MAR. 1995

PWP 1620

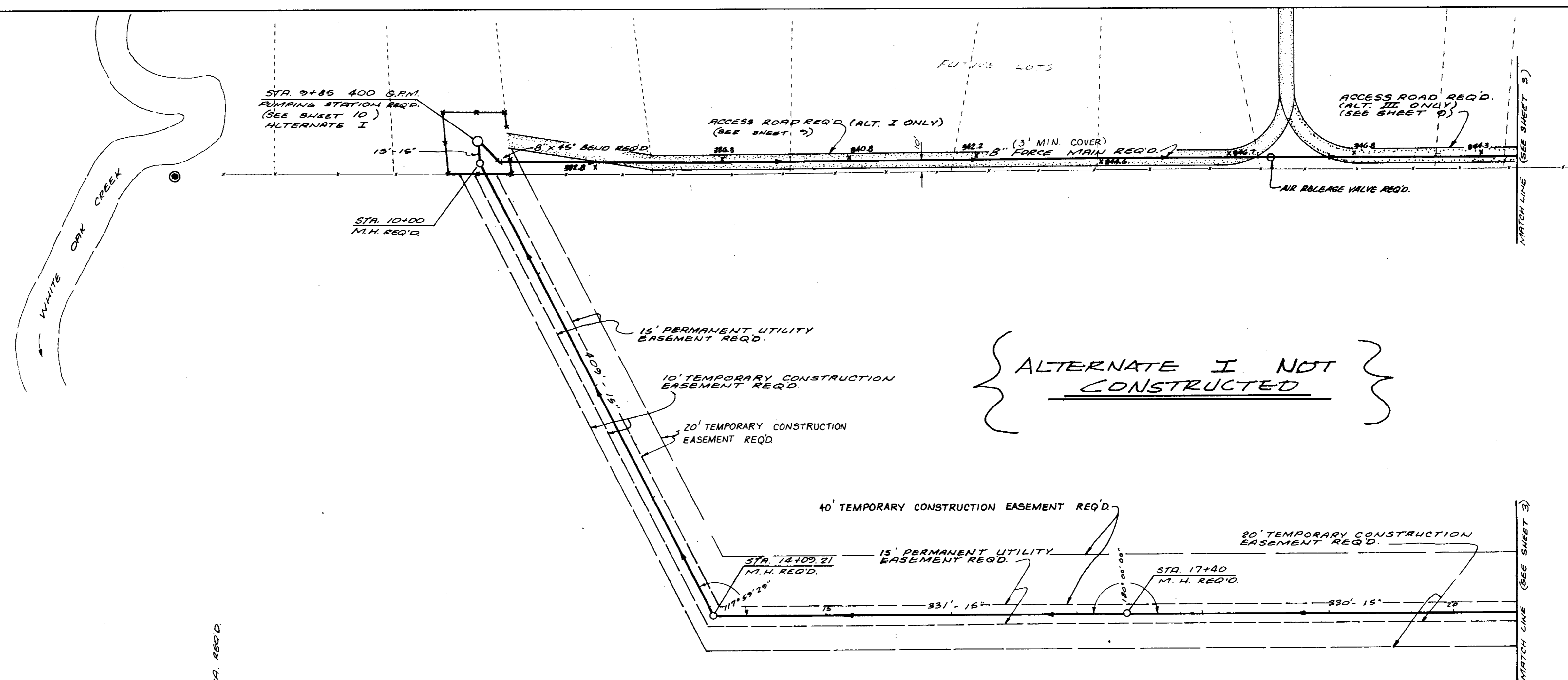


RECORD
DRAWING
MAR. 1990

CITY OF RIDGELAND
PURPLE CREEK / WHITE OAK CREEK
UTILITY EXTENSIONS
PROJECT LAYOUT

WAGGONER ENGINEERING INC.
Consulting Engineers - Jackson / Brandon, Ms.
DRAWN BY: E.L.G. DATE: MAY - 10 - 88 SHEET NO. 1 OF 16
CHECKED BY: M.A.L. SCALE: 1" = 100'
APPROVED BY: J.A.W.

TBM #1 - ELEV. 326.97
 R.R. SPIKE IN SIDE OF
 18" HACKBERRY ON FENCE
 140' WEST OF PUMP STA.



**ALTERNATE I NOT
 CONSTRUCTED**

SCALE:
 1"=50' HORIZ.
 1"=5.0' VERT.

DATE	
BY	
DESIGNED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NOTE BOOK NO.	
PLAN	

DATE	
BY	
DESIGNED	
PLOTTED	
GRADES CHECKED	
VERT. CURVES CHECKED	
STRUCTURE NOTATIONS CHNG.	
NOTE BOOK NO.	
PROFILE	

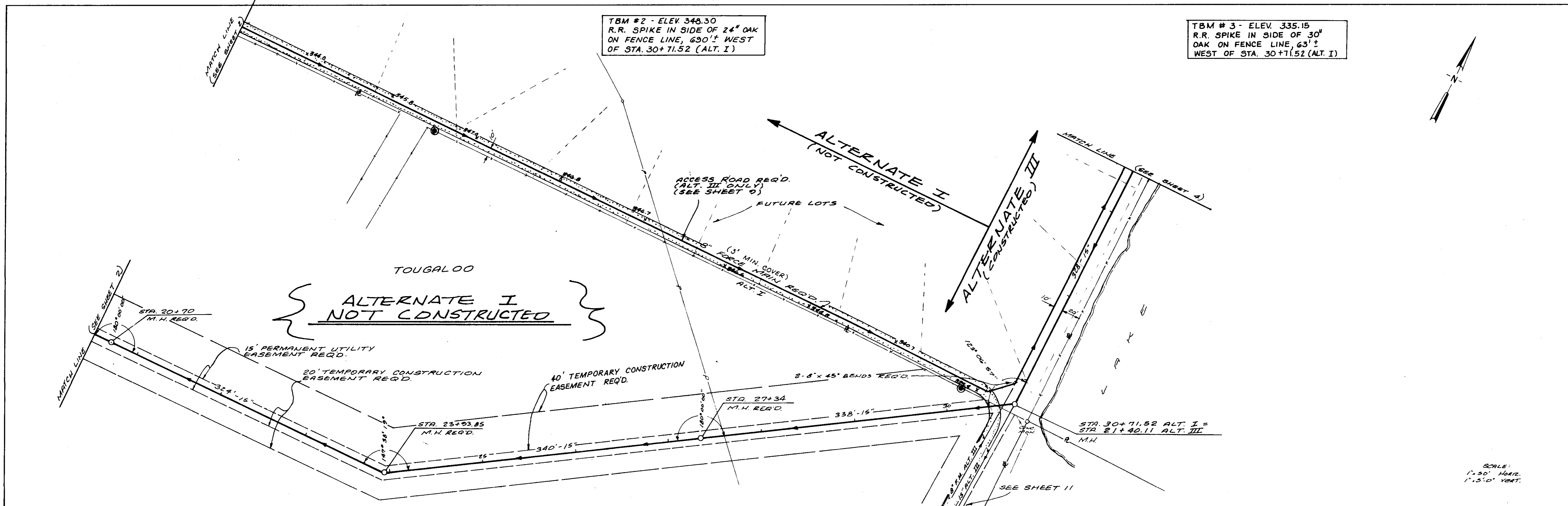


**ALTERNATE I NOT
 CONSTRUCTED**

**RECORD
 DRAWINGS
 MAR. 1990**

PLAN	DATE
BY	
CHECKED	
DESIGNED	
NOTED	
NO.	

PROFILE	DATE
BY	
CHECKED	
DESIGNED	
NOTED	
NO.	



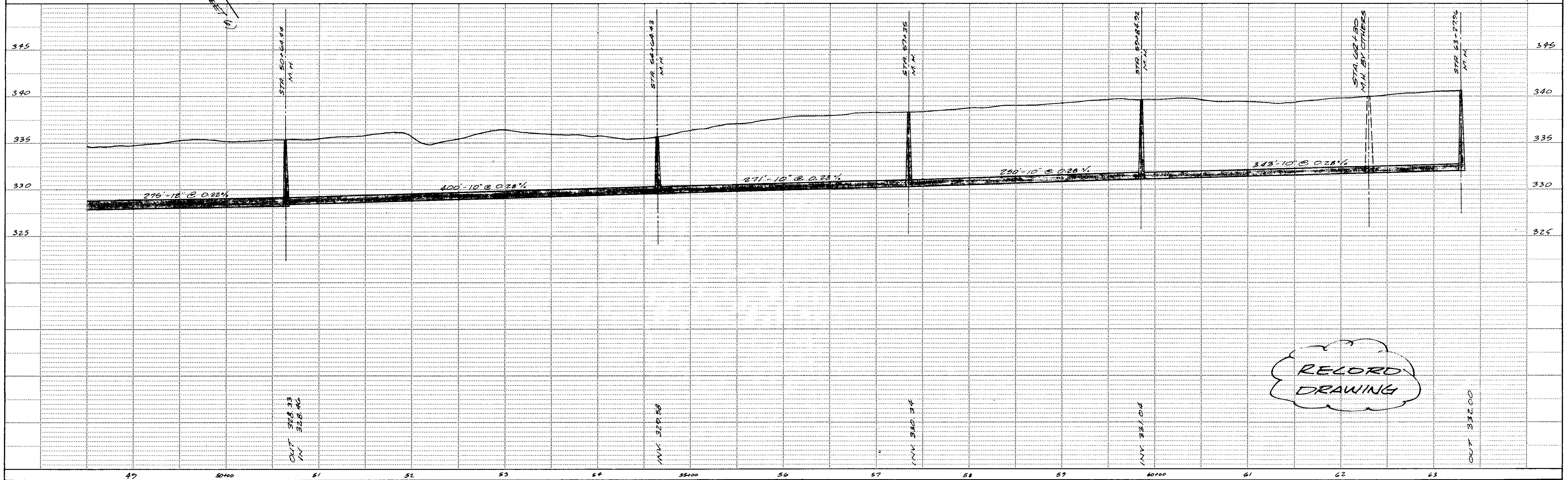
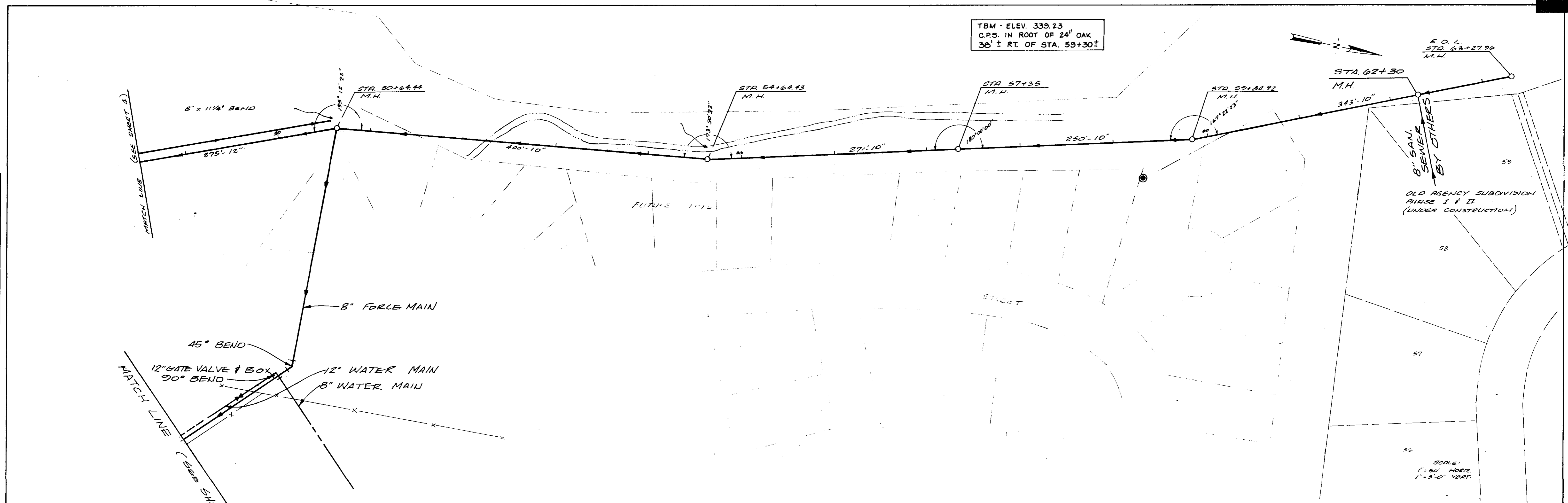
ALTERNATE I NOT CONSTRUCTED

RECORD DRAWING
MAR. 1990

PLAN	SURVEYED	BY	DATE
	NOTE BOOK NO.		
	ALIGNMENT CHECKED		
	RT OF WAY CHECKED		

PROFILE	SURVEYED	BY	DATE
	NOTE BOOK NO.		
	GRADES CHECKED		
	B.M. NOTED		
	STRENGTH OF MATERIALS CHECKED		

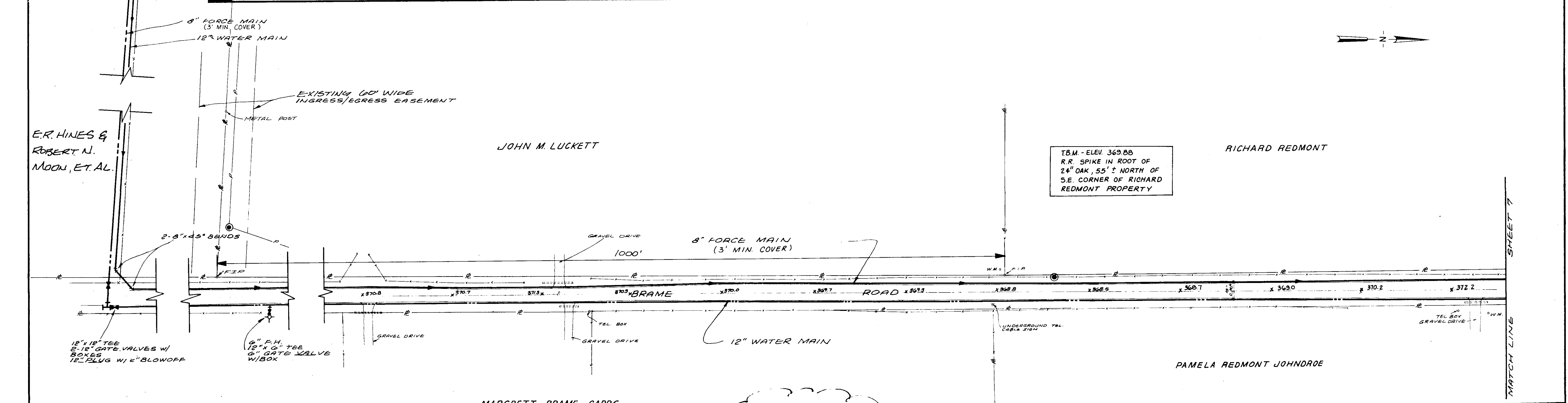
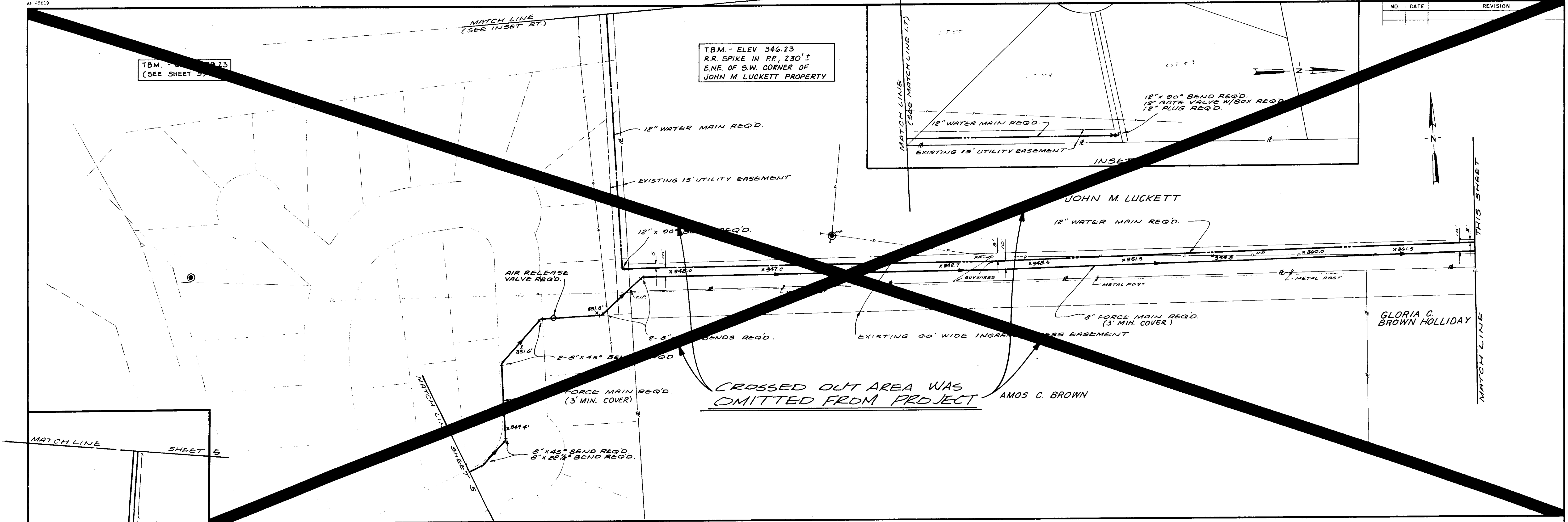
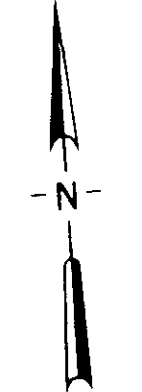
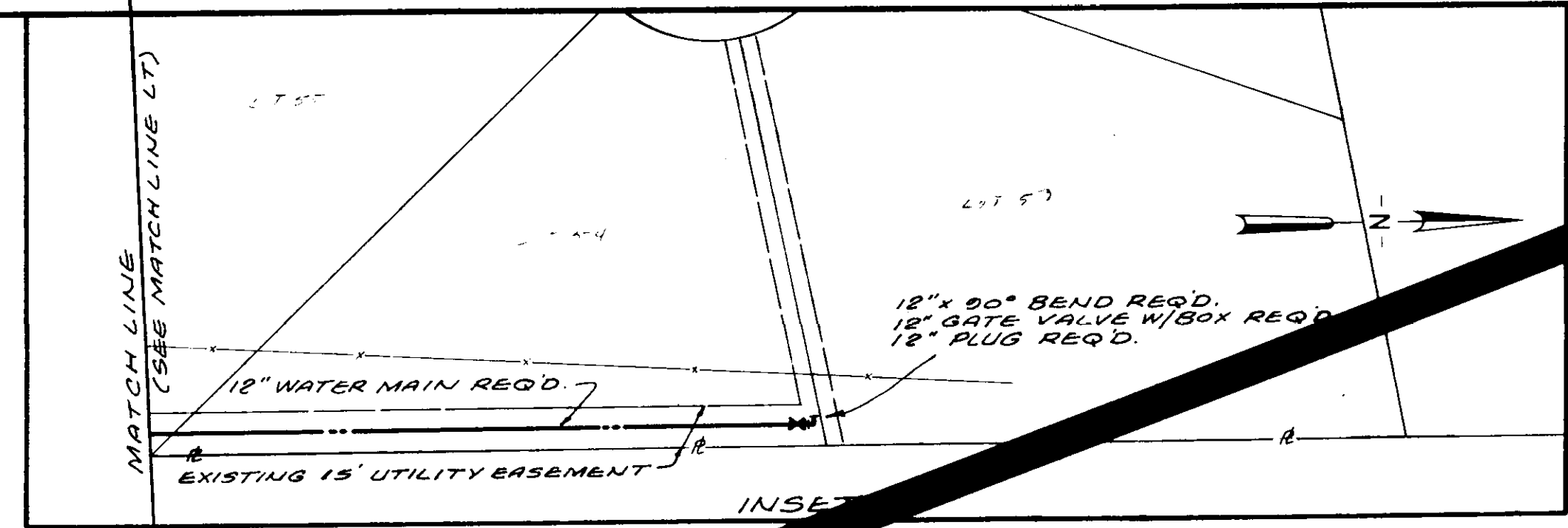
TBM - ELEV. 339.23
 C.P.S. IN ROOT OF 24" OAK
 36' ± RT. OF STA. 59+30±



RECORD
DRAWING

T.B.M. - ELEV. 370.23
(SEE SHEET 5)

T.B.M. - ELEV. 346.23
R.R. SPIKE IN PP, 230' ±
E.N.E. OF S.W. CORNER OF
JOHN M. LUCKETT PROPERTY



T.B.M. - ELEV. 371.34
R.R. SPIKE IN PP, 58' ±
WEST OF S.E. CORNER OF
JOHN M. LUCKETT PROPERTY

T.B.M. - ELEV. 369.88
R.R. SPIKE IN ROOT OF
24" OAK, 55' ± NORTH OF
S.E. CORNER OF RICHARD
REDMONT PROPERTY

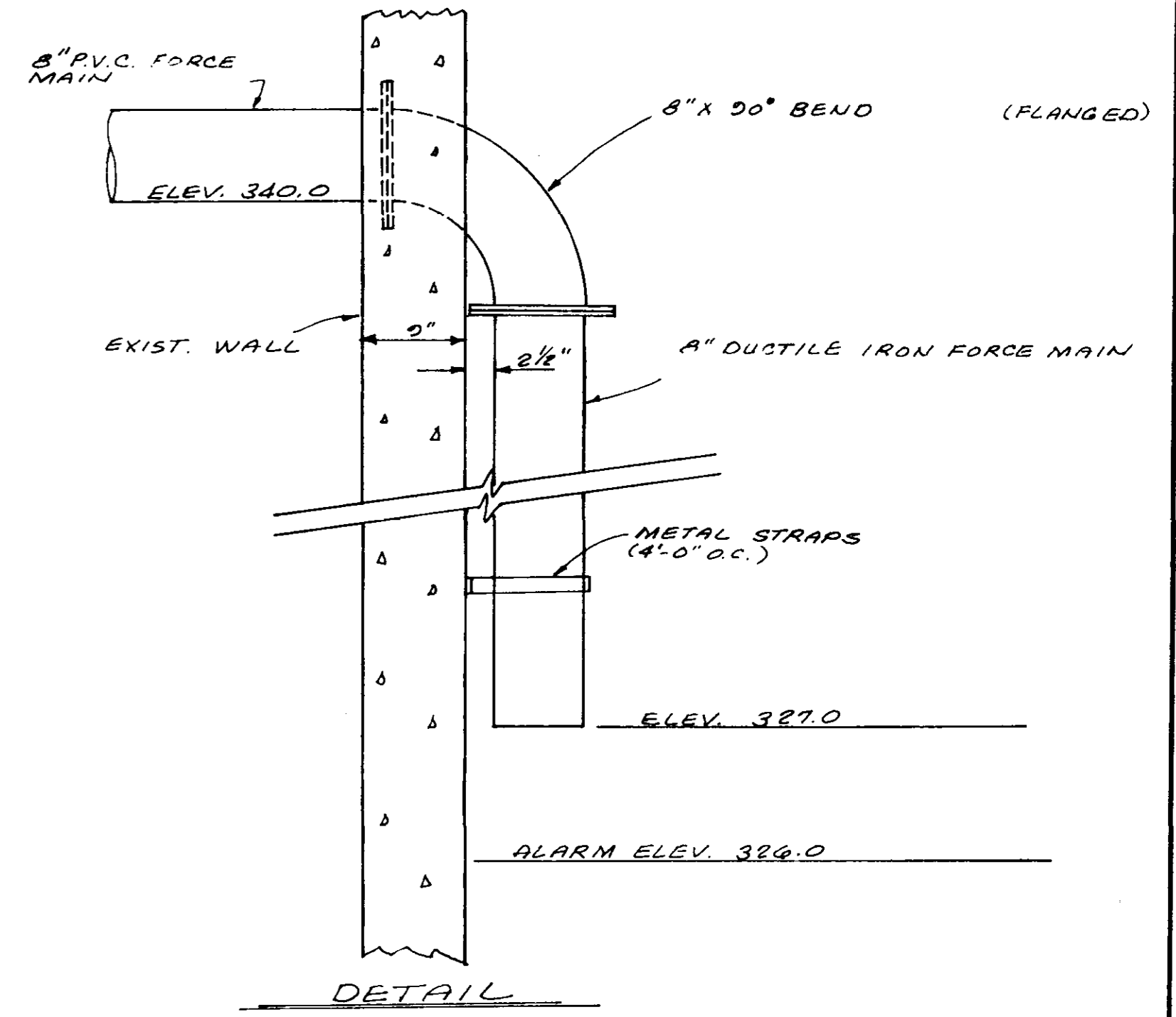
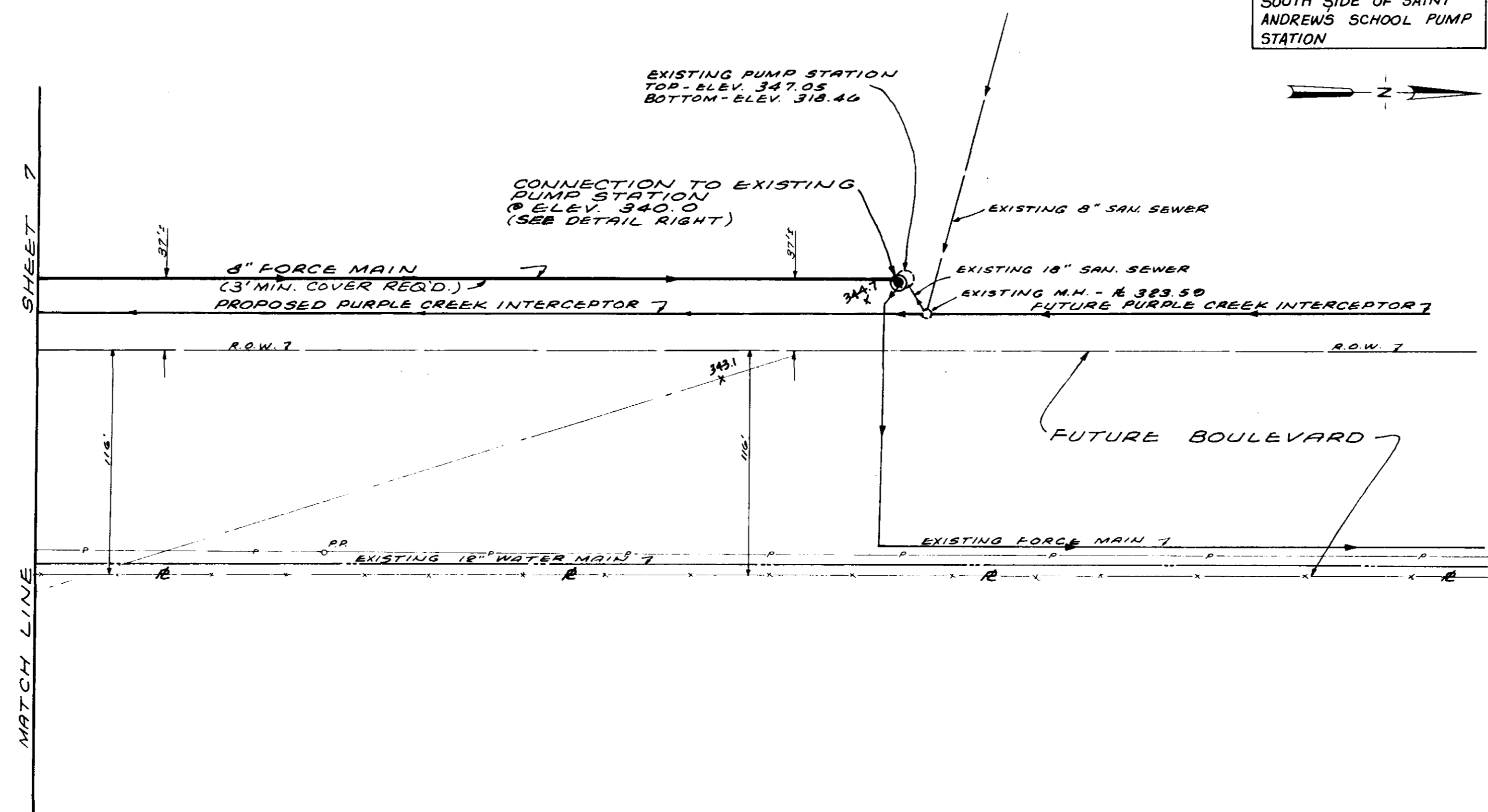
RECORD
DRAWING
MAR. 1990

CITY OF RIDGELAND, MISSISSIPPI		
PURPLE CREEK / WHITE OAK CREEK UTILITY EXTENSIONS		
WAGGONER ENGINEERING INC. Consulting Engineers - Jackson / Brandon, Ms.		
DRAWN BY: R.C.	DATE: MAY - 10 - 88	SHEET NO.
CHECKED BY: M.A.L.	SCALE: 1" = 50'	6 OF 16
APPROVED BY: J.A.W.		

SAINT ANDREW'S SCHOOL

T.B.M. - ELEV. 347.05
 CHISELED SQUARE ON
 SOUTH SIDE OF SAINT
 ANDREW'S SCHOOL PUMP
 STATION

NO.	DATE	REVISION



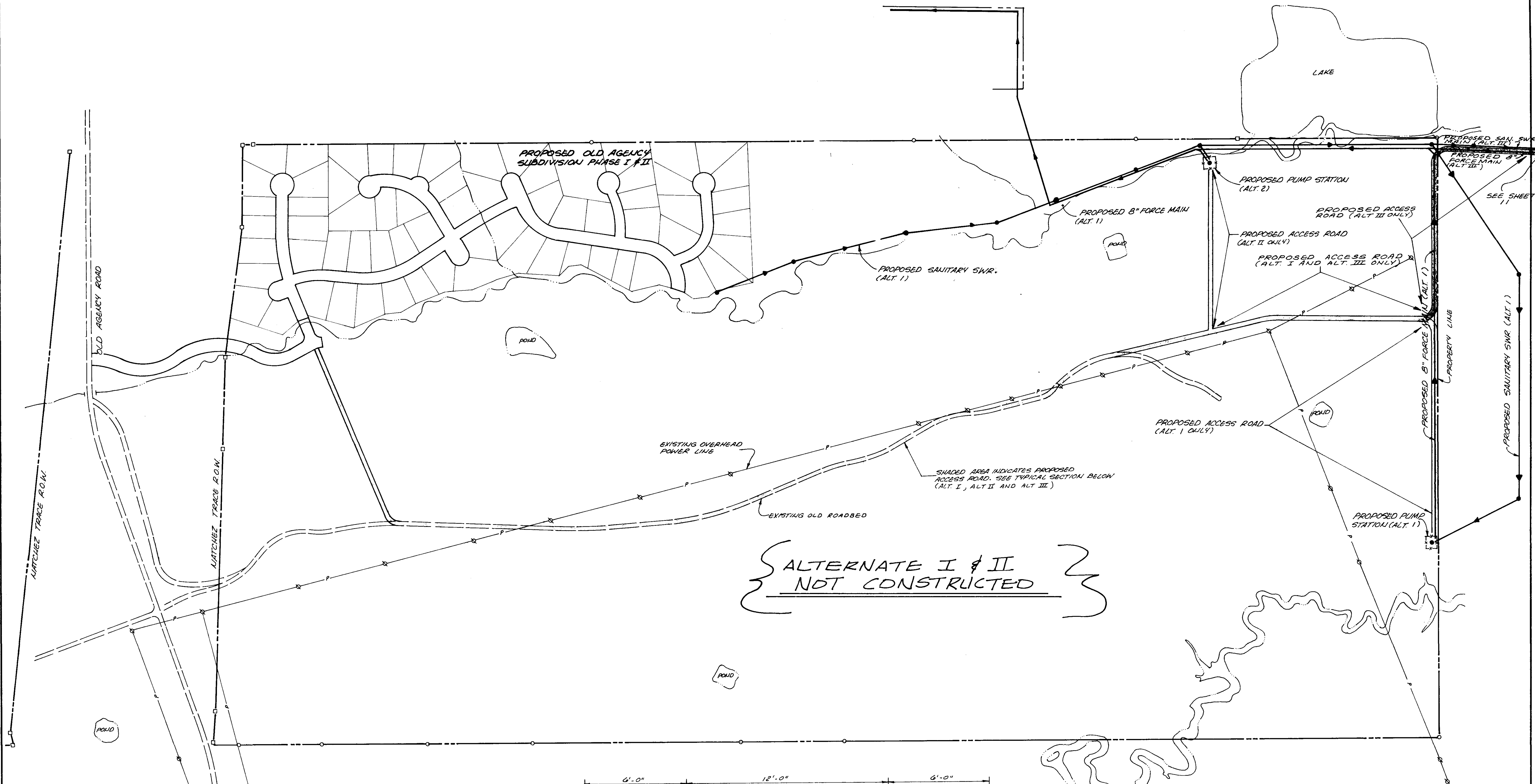
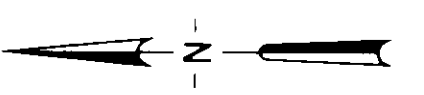
DETAIL
 CONNECTION TO EXIST. PUMP STATION
 N.T.S.

GENERAL CONSTRUCTION NOTES

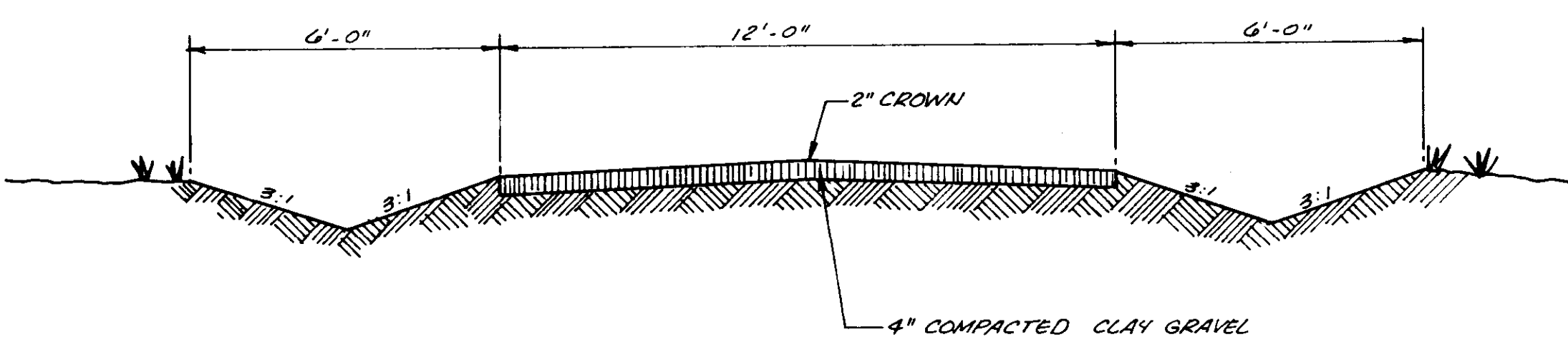
- The existing utility locations shown on plans are approximate only. The Contractor shall coordinate the location (horizontal and vertical) of the existing utilities (power, telephone, gas, water, sewer, etc.) with the appropriate utility company before construction begins.
- Any utility line or service line encountered during construction, whether shown on plans or not, shall be protected by the Contractor and any repairs necessary due to damage to same by the Contractor shall be at no additional cost to the Owner.
- The Contractor shall be responsible for verifying horizontal and vertical clearances on all utility crossings before installation. Contractor shall advise the appropriate utility companies when he will be working adjacent to utilities and of the need for adjustments/relocation.
- The Contractor shall fertilize and seed all areas where the existing vegetation was removed or disturbed during construction. The fertilizer shall be applied and seeding shall be completed in accordance with these specifications.
- Unsuitable bedding, backfill or roadway subgrade material which may be encountered shall be excavated and backfilled with approved material to the lines and grades shown on the plans.
- Sanitary and storm sewer reach lengths may be varied in construction of project to conform to normal joint lengths with prior permission of Engineer.
- The Contractor shall maintain local traffic to all residences and businesses fronting along the project for the duration of the work.
- All sanitary sewer manhole castings and storm manhole castings shall be traffic duty type unless noted otherwise.
- The Contractor shall be responsible for completing all sampling and testing of materials, and for submission of same to Engineer for approval prior to their use. This shall include select backfill, concrete, asphalt, aggregates, pipe, manholes, castings, equipment and other items as specified by the Engineer. This prior use testing shall be an absorbed item.
- The Contractor shall verify the invert elevations of existing storm drains and sanitary sewer mains to be adjusted or incorporated into the work prior to initiation of construction of any new lines connecting or crossing same. Any variations from plan grades shall be reported to the Engineer.
- Cut zones for storm and sanitary sewer, where shown, will be measured from the original ground profile.
- Engineer will provide horizontal controls and TBM's. All detailed construction staking will be the responsibility of the Contractor and shall be an absorbed item.
- Any TBM's indicated on plans which are or may be in conflict with construction activities shall be relocated by Engineer prior to commencement of construction in the immediate area, when the need for relocation is reported to Engineer.
- Fence removal and replacement, stream crossings and disposal of spoil shall not be paid for separately but shall be included in the lump sum price for clearing and grubbing.
- All pipe fittings except where otherwise specifically indicated in the plans are to be mechanical joint cast or ductile iron, cement lined and polywrapped.

RECORD
 DRAWING
 MAR. 1990

CITY OF RIDGELAND, MISSISSIPPI		
PURPLE CREEK / WHITE OAK CREEK UTILITY EXTENSIONS		
WAGGONER ENGINEERING INC. Consulting Engineers - Jackson / Brandon, Ms.		
DRAWN BY: R.C.	DATE: MAY-10-88	SHEET NO.
CHECKED BY: M.A.L.	SCALE: 1" = 50'	8 OF 16
APPROVED BY: J.A.W.		



ALTERNATE I & II
NOT CONSTRUCTED



TYPICAL ACCESS ROAD SECTION
SCALE: 3/8" = 1'-0"

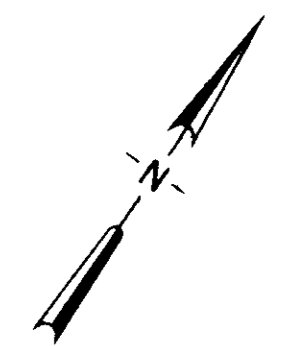
- NOTES:
1. THE ACCESS ROAD (PER LINEAR FOOT) SHALL BE AS SPECIFIED IN THE PROPOSAL. SHALL BE PAID FOR IN FULL FOR COMPLETE ROADWAY IN PLACE, INCLUDING CLEARING AND GRUBBING, GRADING, COMPACTION AND EROSION CONTROL.
 2. IN AREAS WHERE THE ACCESS ROAD AND THE UTILITY MAINS OVERLAP, THE EROSION CONTROL SHALL BE PAID FOR AT THE UNIT PRICE DESIGNATED IN THE UTILITY SCHEDULE.

RECORD
DRAWING
MAR. 1990

CITY OF RIDGELAND, MISSISSIPPI		
PURPLE CREEK / WHITE OAK CREEK UTILITY EXTENSIONS		
WAGGONER ENGINEERING INC. Consulting Engineers - Jackson / Brandon, Ms.		
DRAWN BY: RSG	DATE: MAY, 1988	SHEET NO. 10
CHECKED BY: MAL	SCALE: 1" = 200'	9 OF
APPROVED BY: JAW		

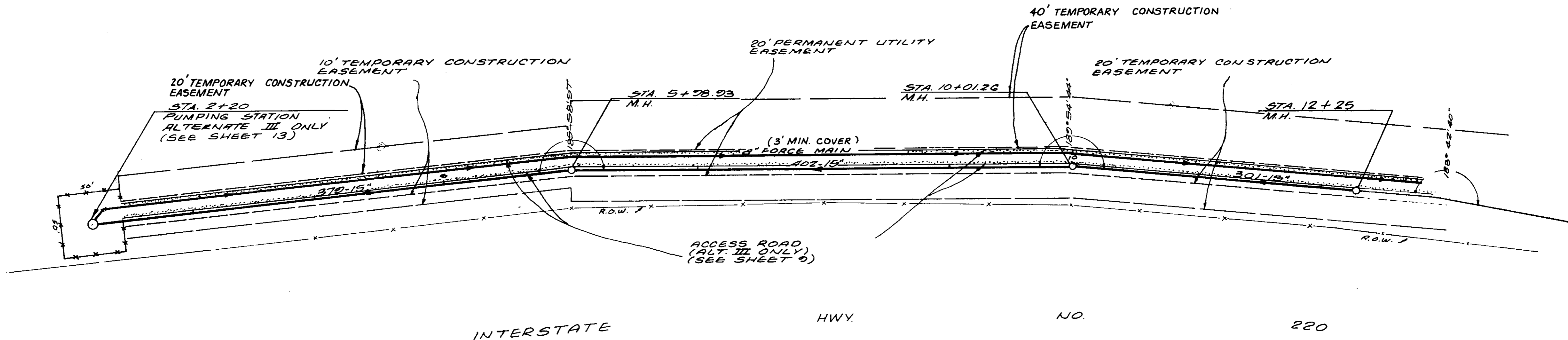
T.B.M. - ELEV. 330.62
 CHISELED SQUARE AT NE CORNER
 OF BRIDGE ON WESTBOUND LANE
 OF I-220

TOUGALOO



PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	CHECKED	
	RT. OF WAY CHECKED	

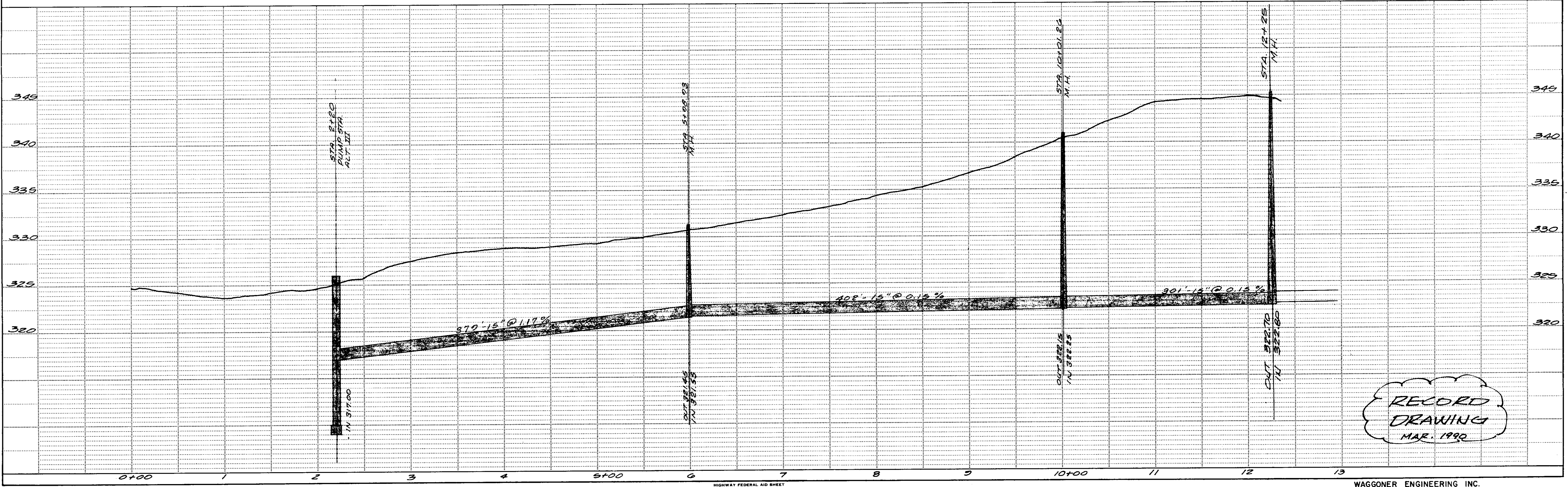
WHITE OAK CREEK



INTERSTATE HWY. NO. 220

SCALE:
 1"=50' HORIZ.
 1"=5'-0" VERT.

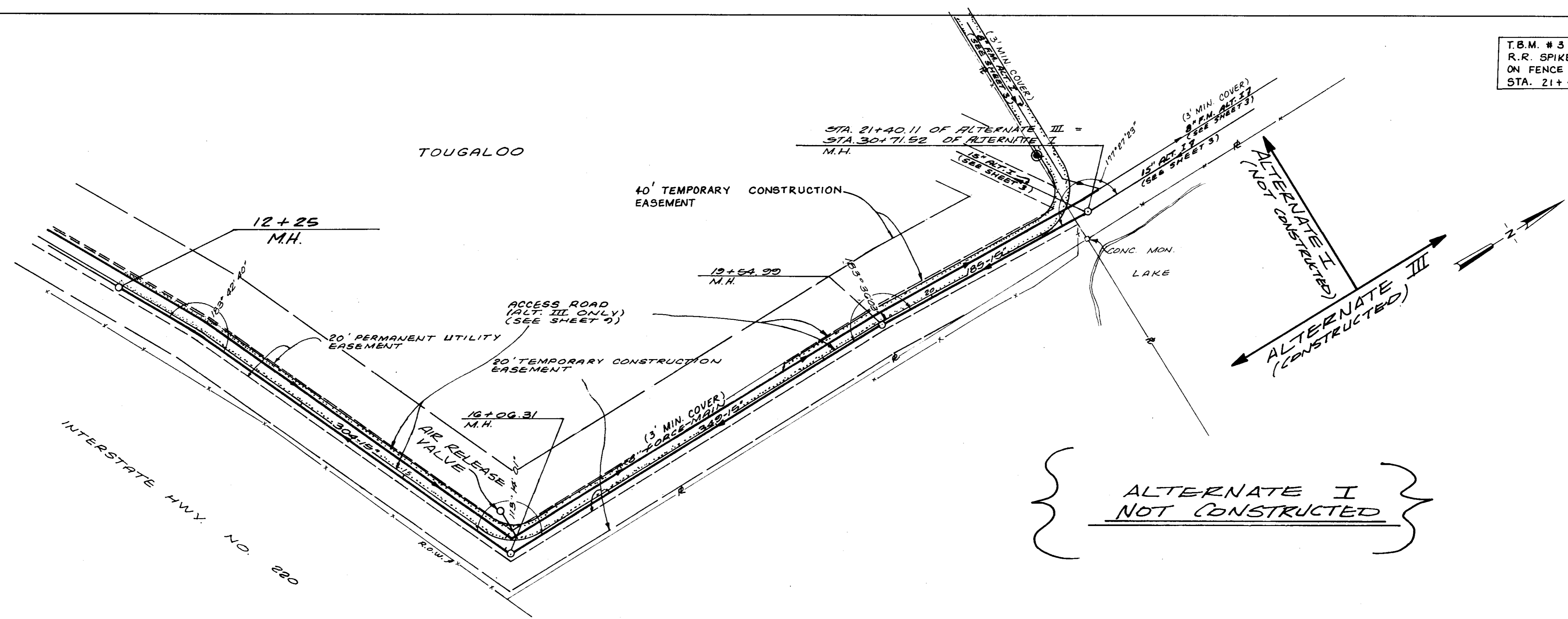
PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	CHECKED	
	STRUCTURE NOTATION CHECKED	



RECORD
 DRAWING
 MAR. 1992

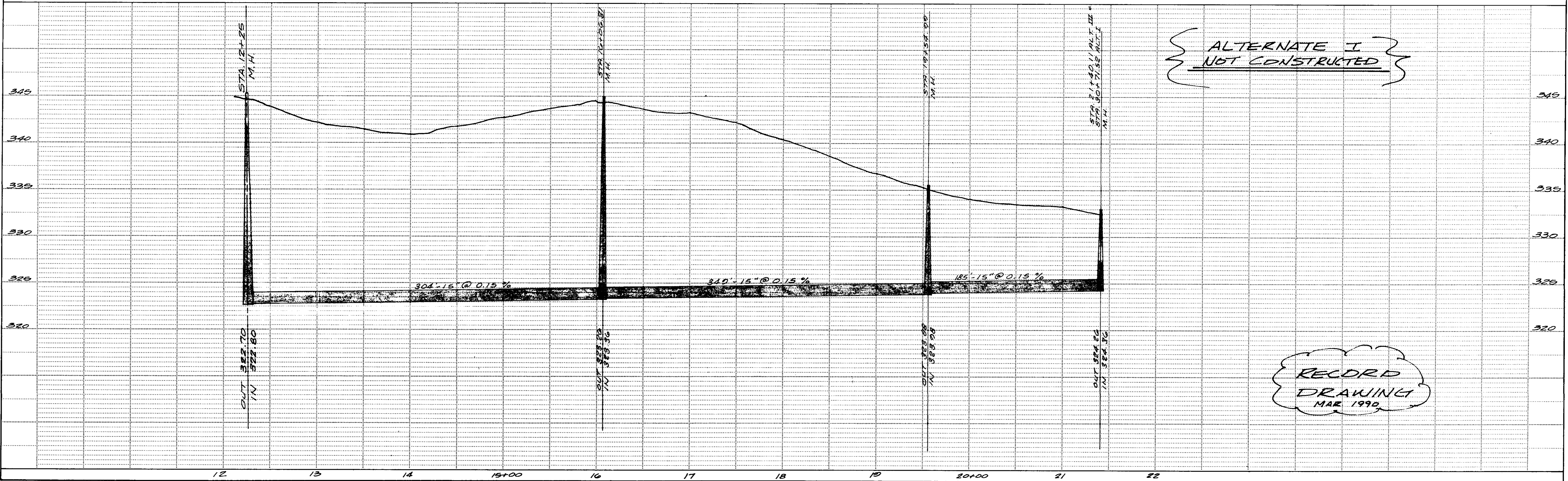
T.B.M. # 3 - ELEV. 335.15
 R.R. SPIKE IN SIDE OF 30' OAK
 ON FENCE LINE, 63' WEST OF
 STA. 21+40.11 (ALT. III)

DATE	
BY	
CONVEYED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
PLAN	
NOTE BOOK NO.	

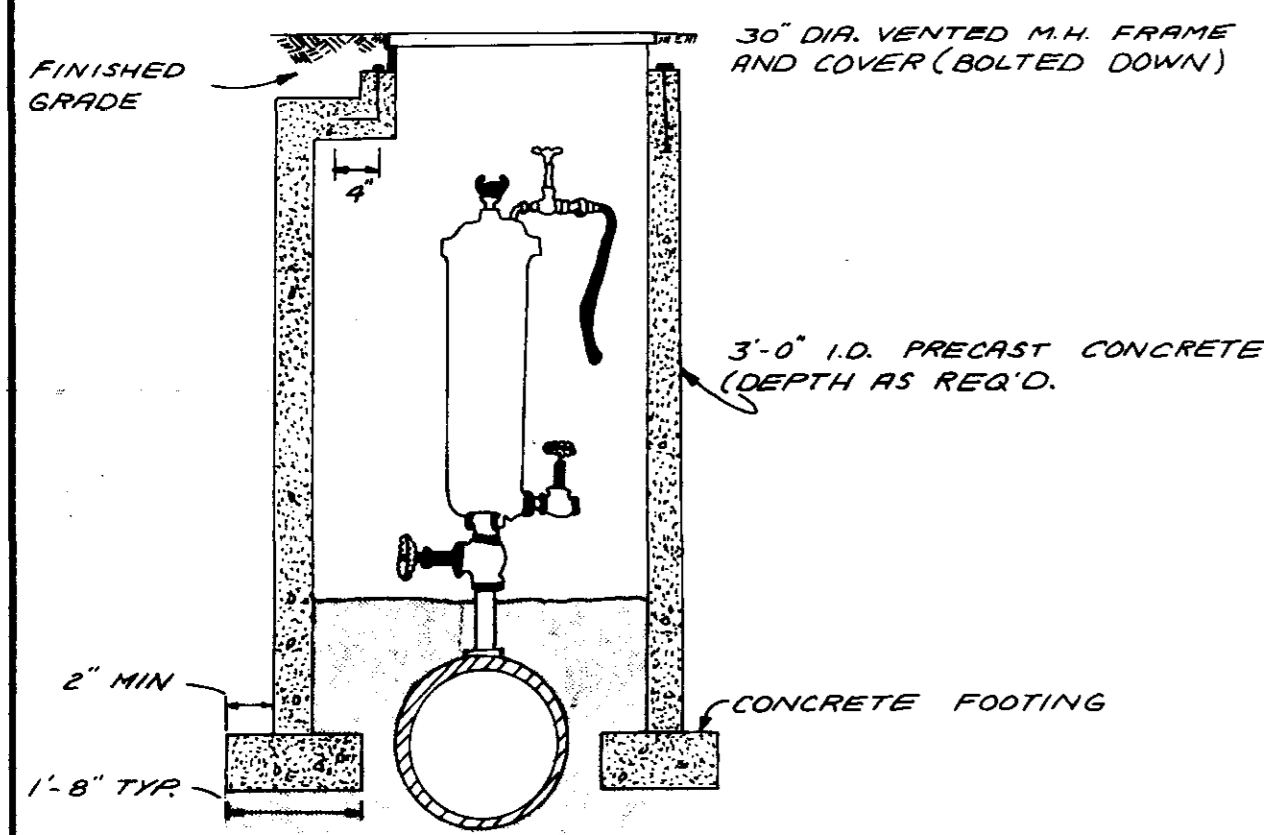


SCALE:
 1" = 50' HORIZ.
 1" = 5'-0" VERT.

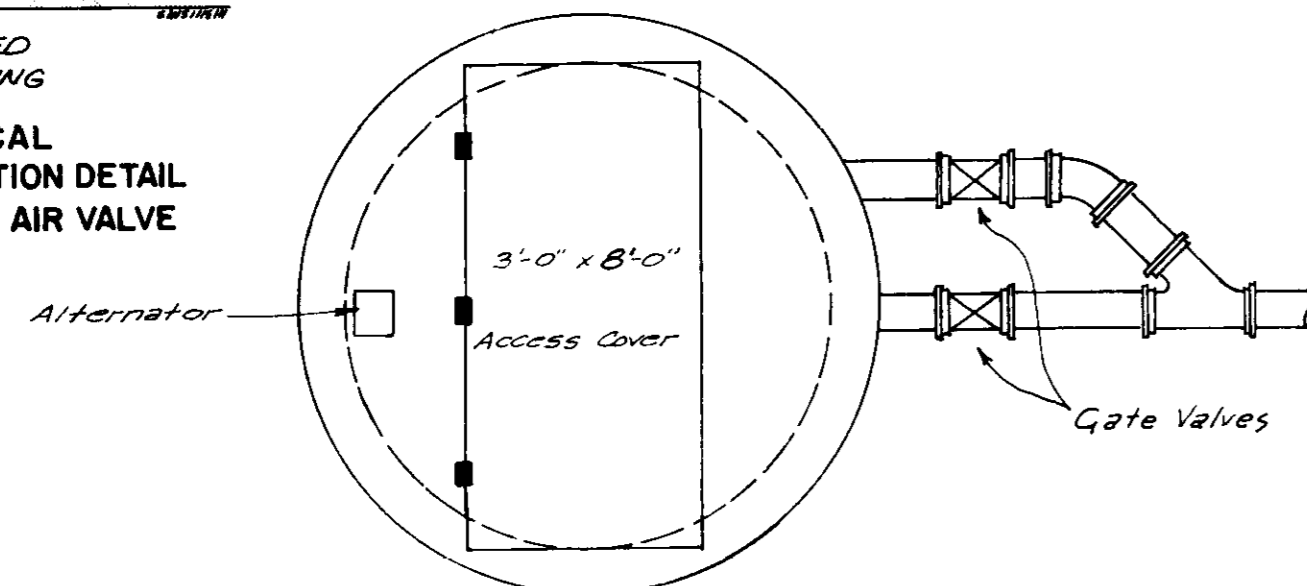
DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
PROFILE	
NOTE BOOK NO.	



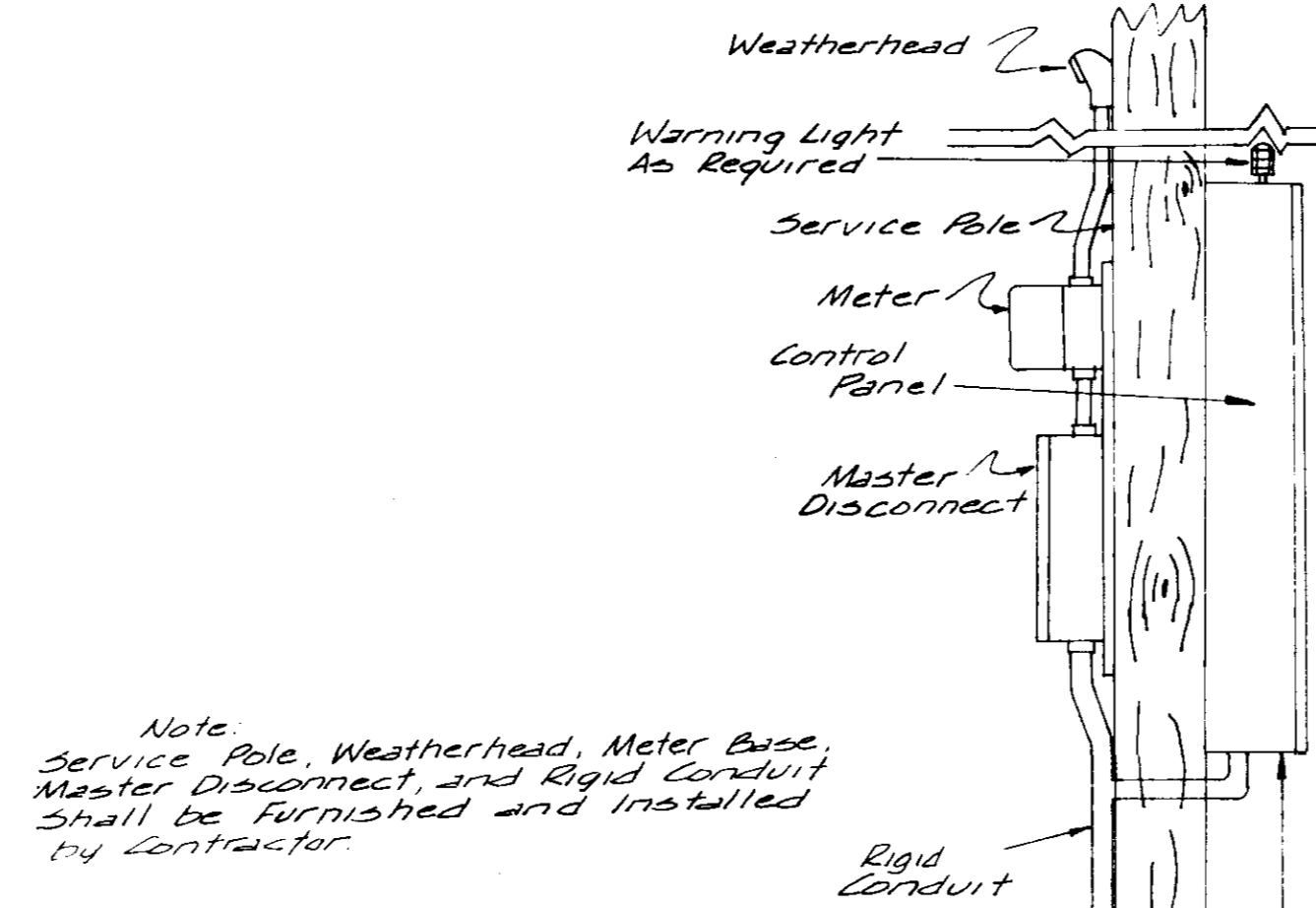
HIGHWAY FEDERAL AID SHEET
 PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
 TELEPHONE
 PRINTED IN U.S.A.



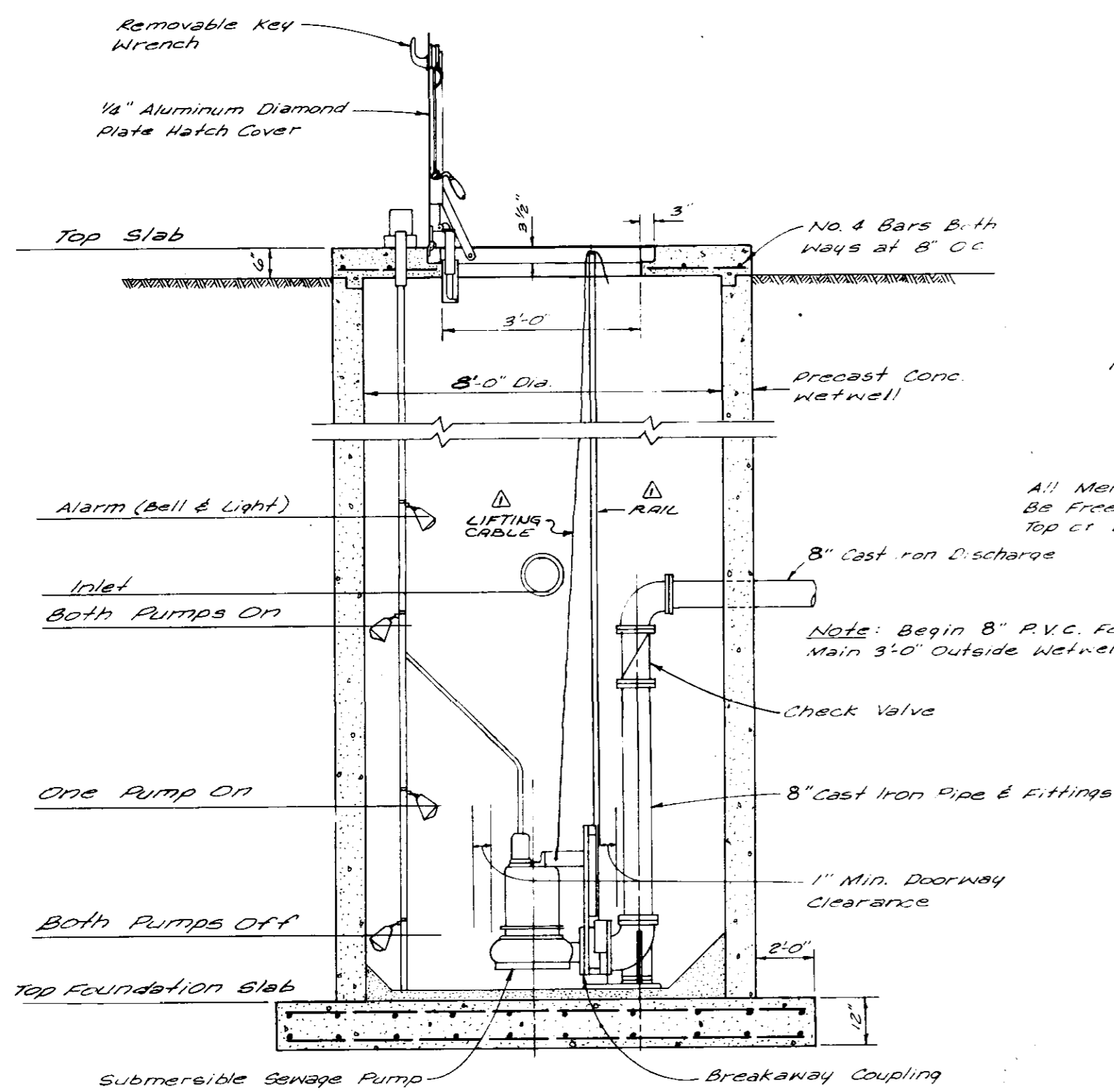
TYPICAL
PIT INSTALLATION DETAIL
FOR SEWAGE AIR VALVE



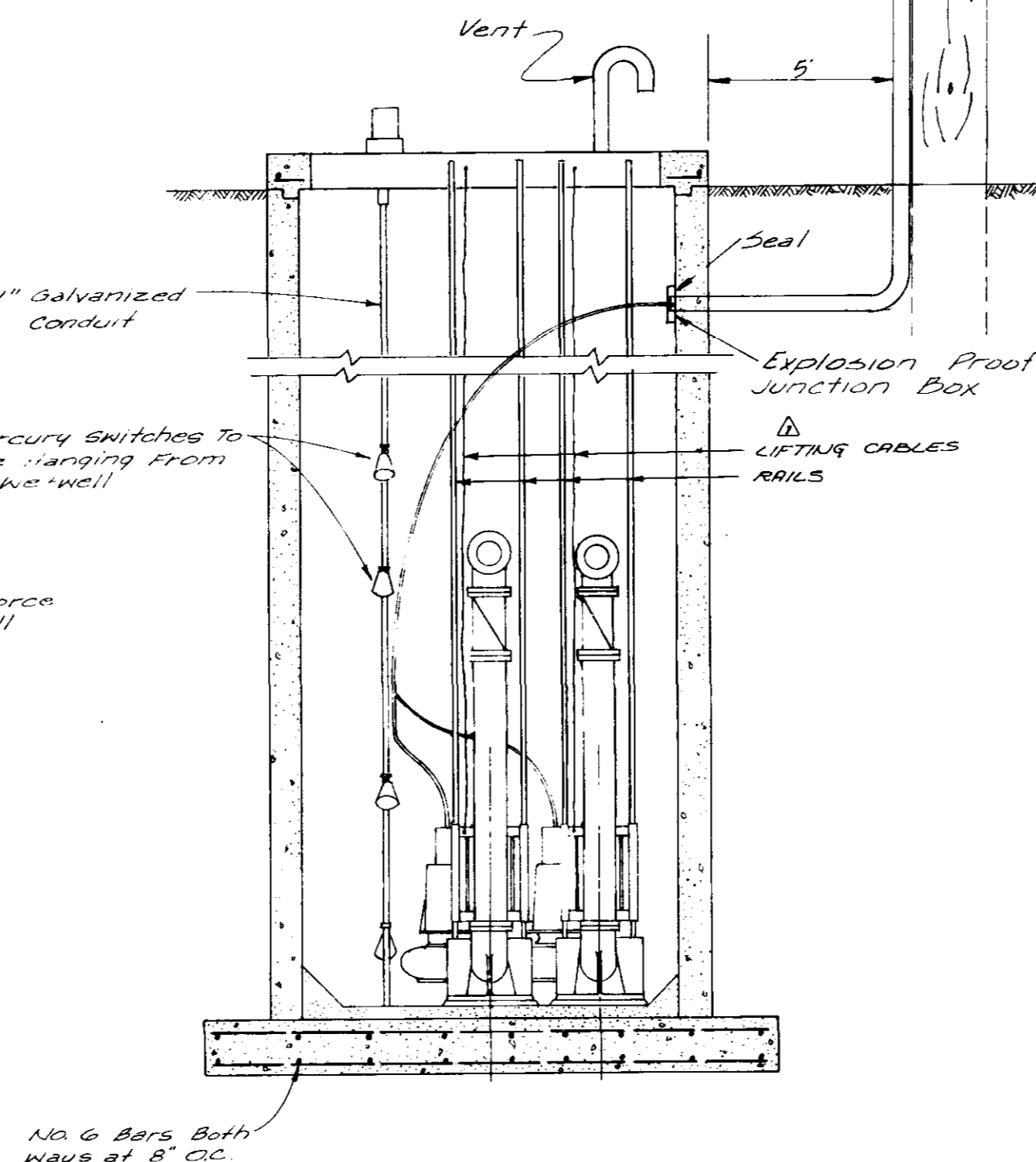
PLAN
N.T.S.



Note
Service Pole, Weatherhead, Meter Base,
Master Disconnect, and Rigid Conduit
shall be furnished and installed
by contractor.

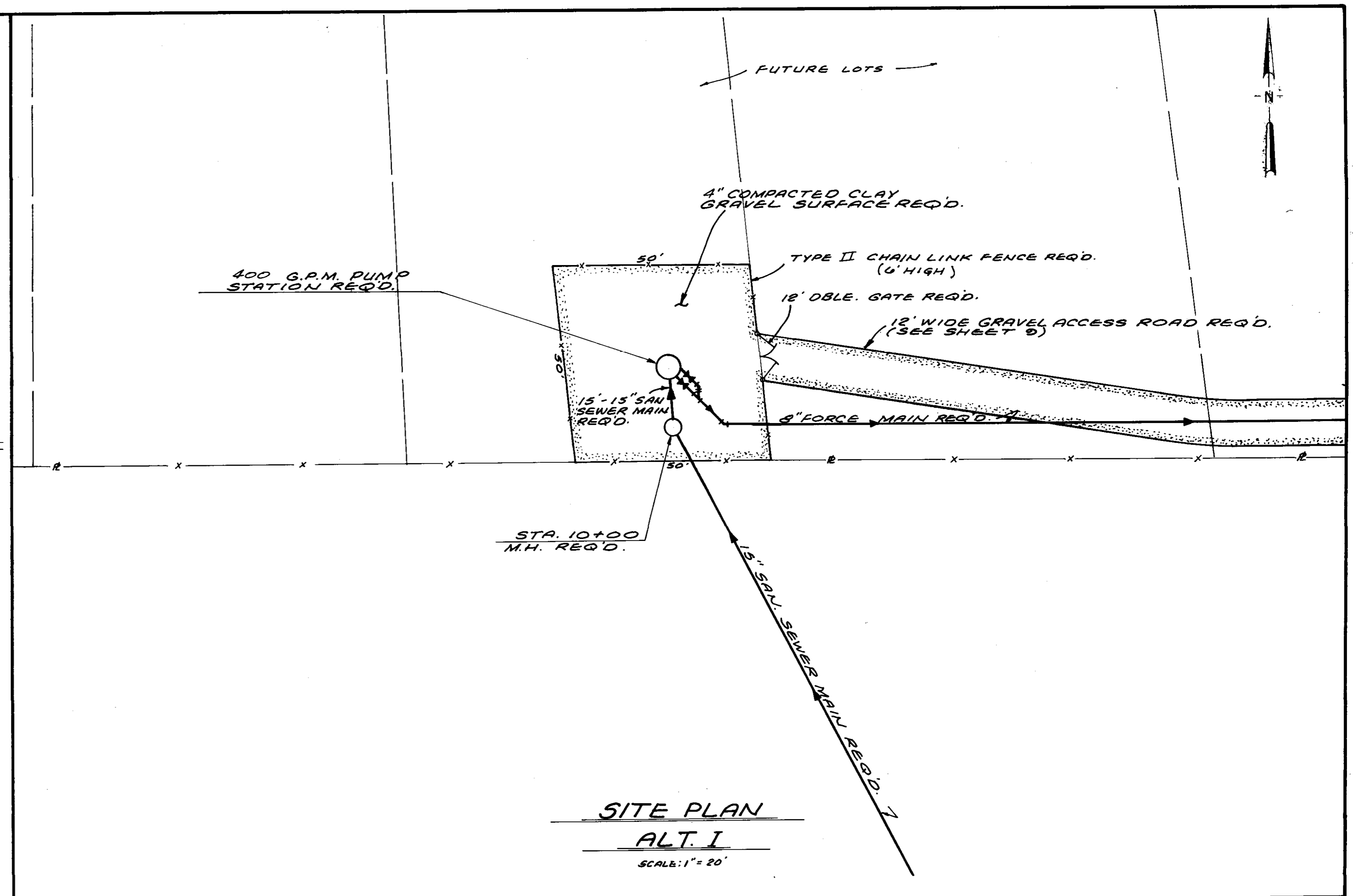


ELEVATION
N.T.S.

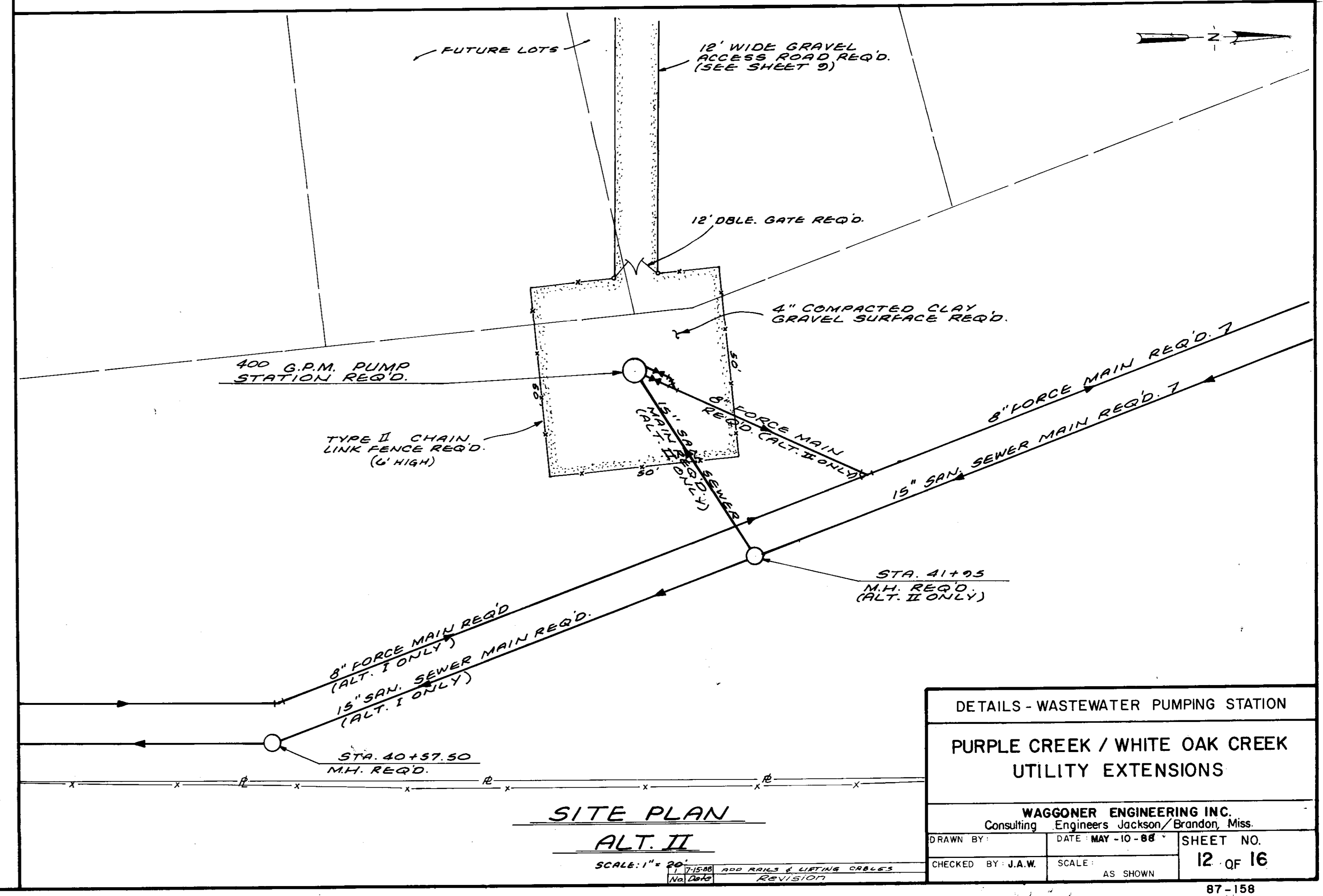


ELEVATION
N.T.S.

	Flow Rate	T.D.H.	Top Foundation Slab	Both Pumps Off	One Pump On	Both Pumps On	Alarm	Top Slab	Inlet
Alternate I	400 gpm.	91	313.72	316.12	318.22	320.32	321.00	330.00	320.82
Alternate II	400 gpm.	78	318.84	321.24	323.34	325.44	326.14	333.00	325.94



SITE PLAN
ALT. I
SCALE: 1" = 20'



SITE PLAN
ALT. II
SCALE: 1" = 20'

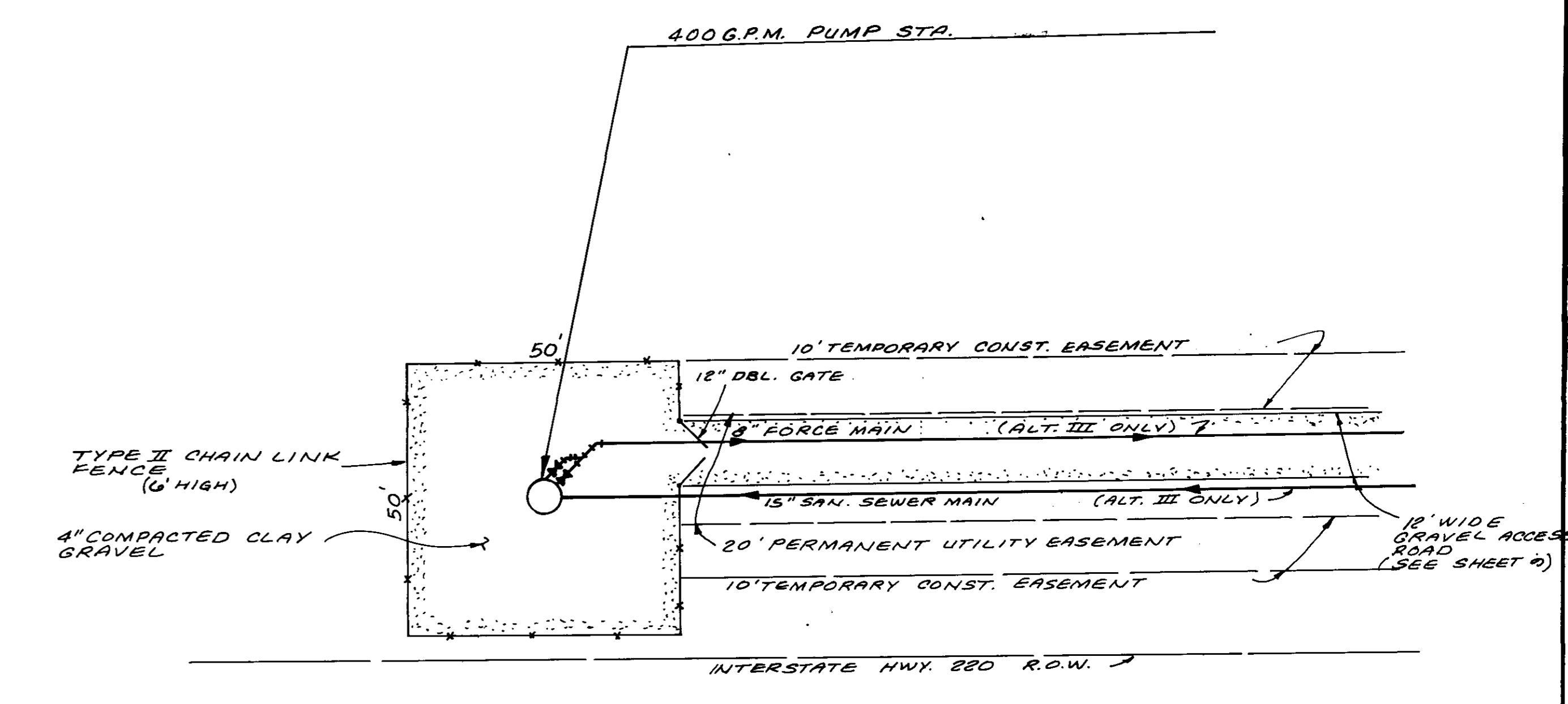
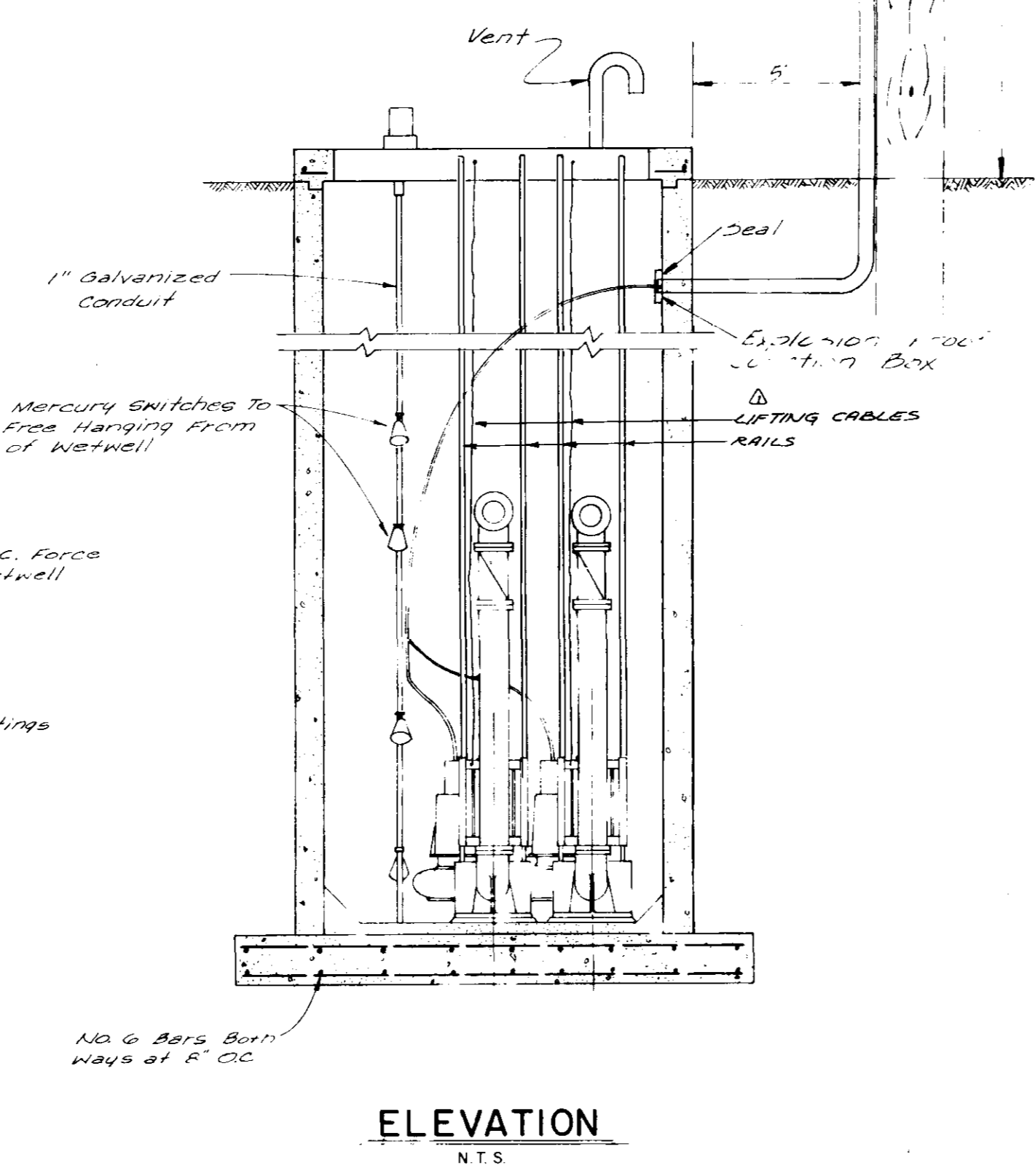
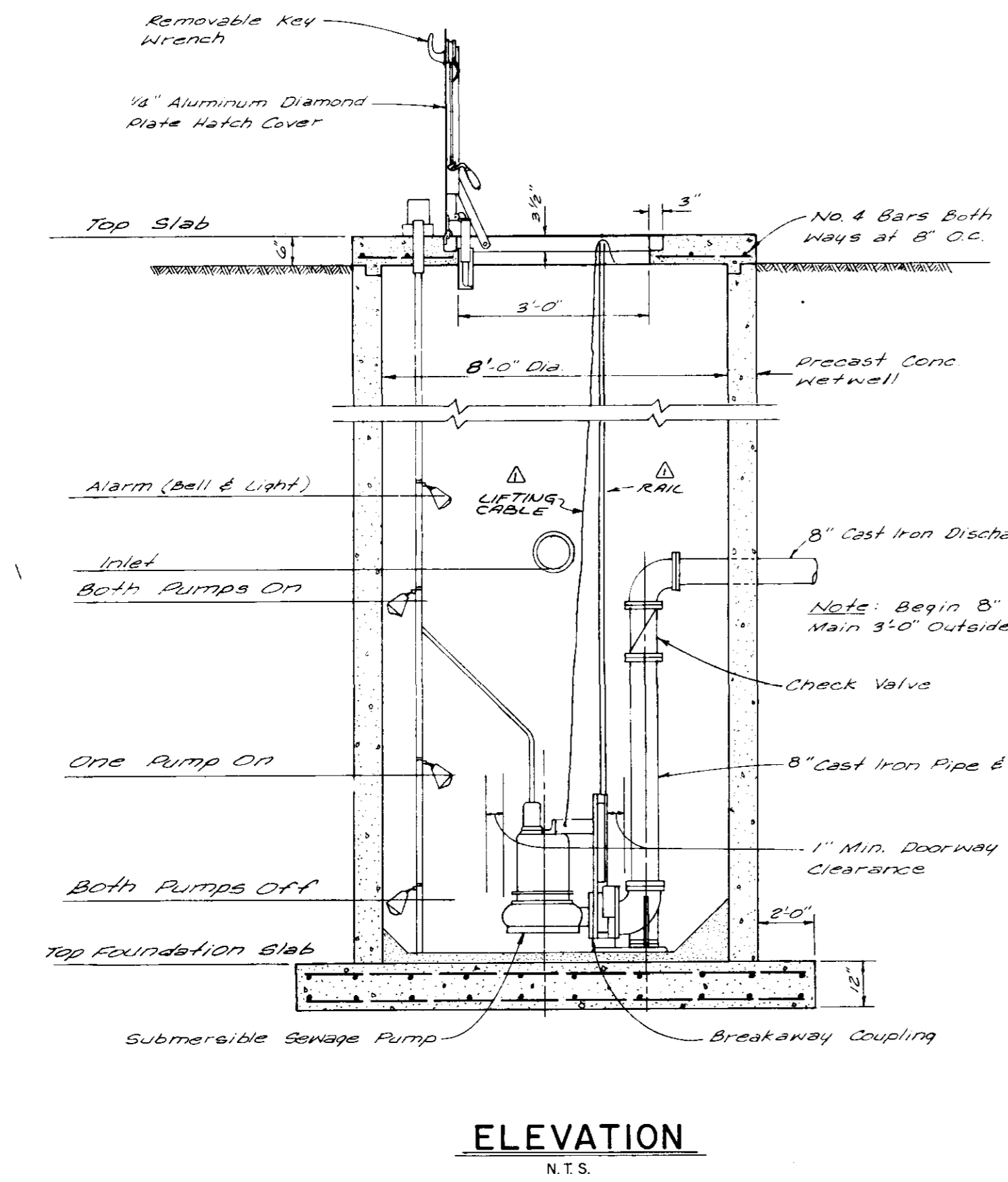
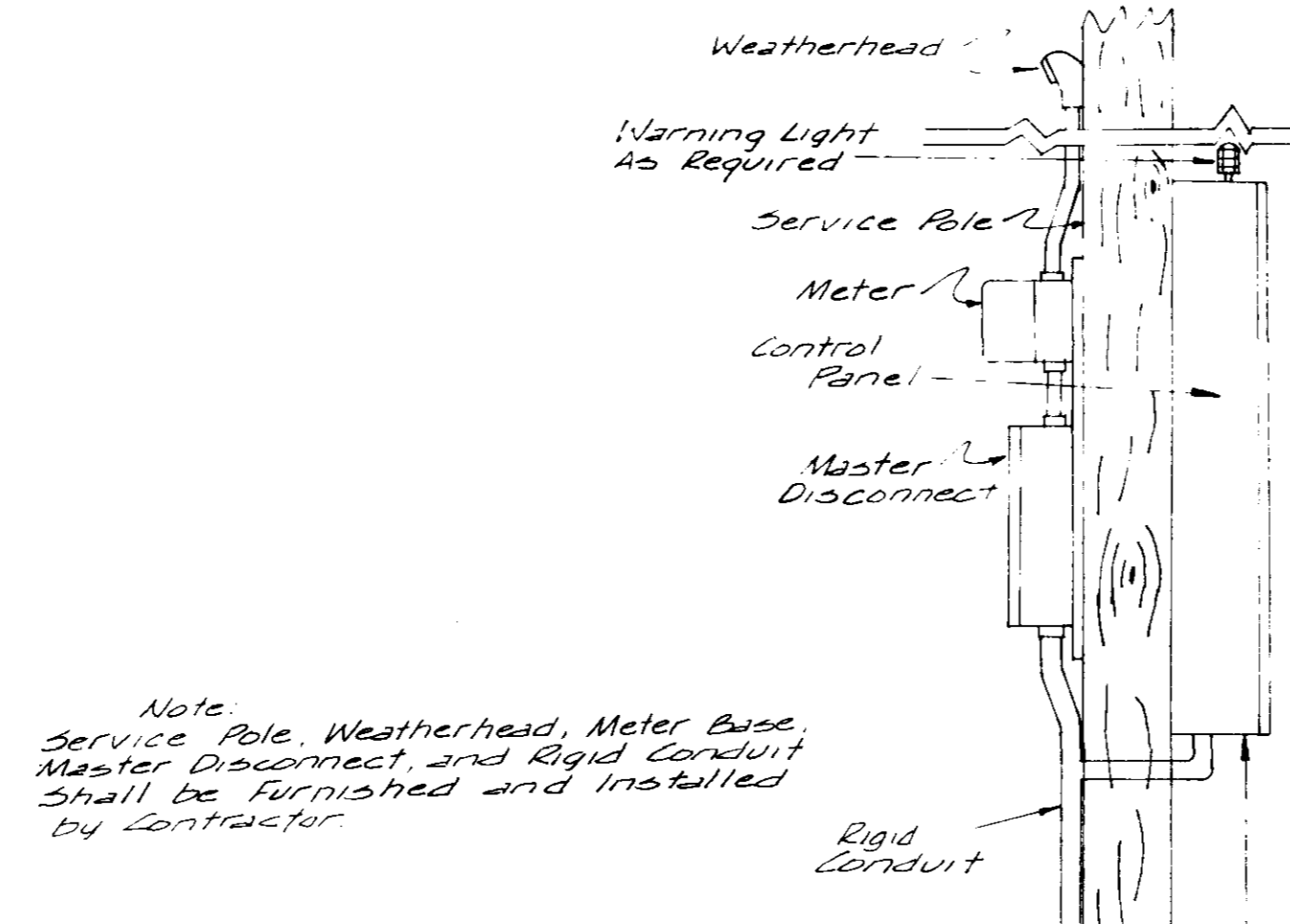
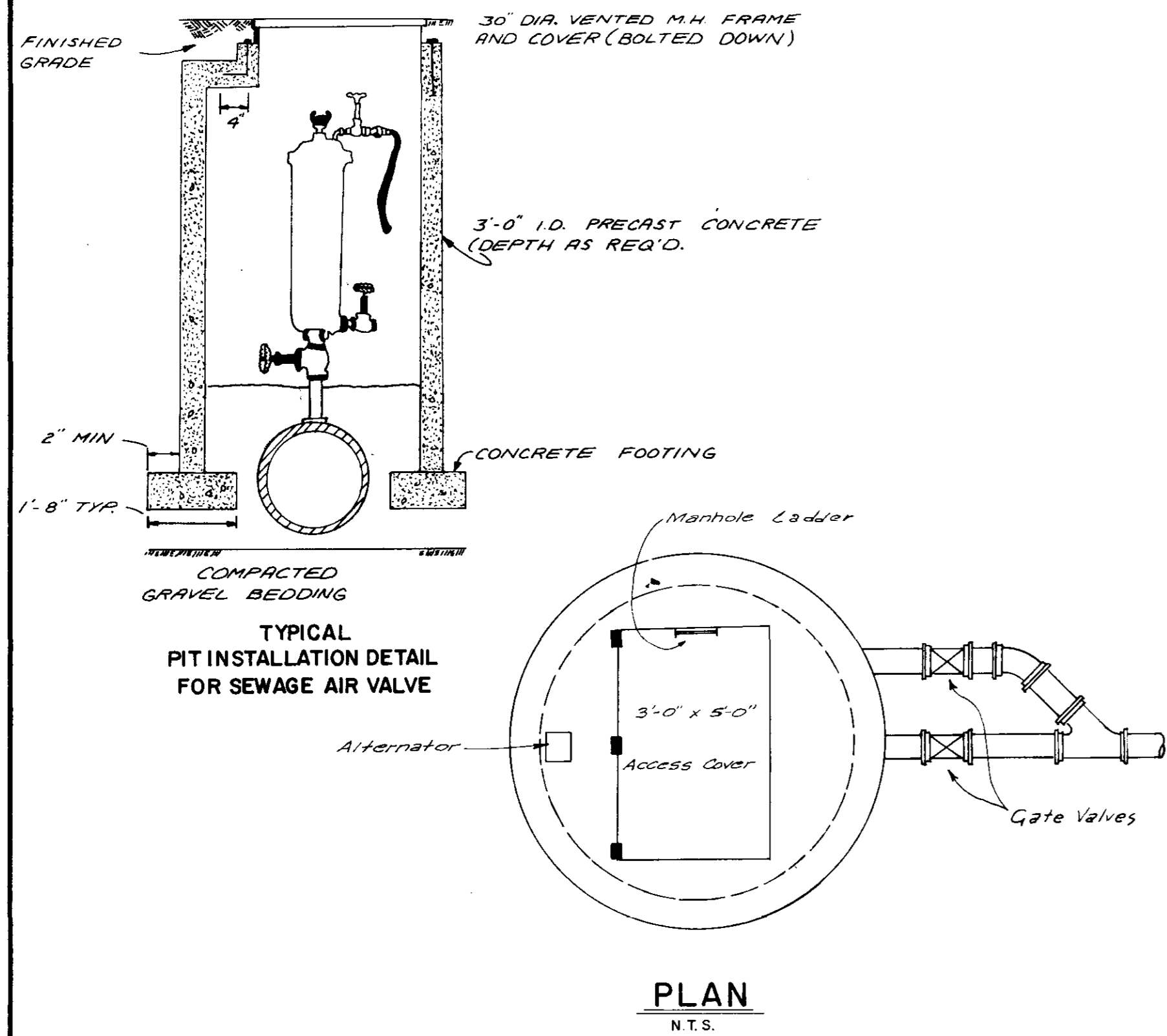
DETAILS - WASTEWATER PUMPING STATION

PURPLE CREEK / WHITE OAK CREEK
UTILITY EXTENSIONS

WAGGONER ENGINEERING INC.
Consulting Engineers Jackson/Brandon, Miss.

DRAWN BY	DATE MAY - 10 - 88	SHEET NO.
CHECKED BY J.A.W.	SCALE AS SHOWN	12 OF 16

87-158



RECORD
DRAWING
MAR. 1990

Alternate III	Flow Rate	T.D.H.	Top Foundation Slab	Both Pumps Off	One Pump On	Both Pumps On	Alarm	Top Slab	Inlet
	400 g.p.m.	94	310.00	312.50	314.50	316.50	317.50	326.0	317.0

DETAILS - WASTEWATER PUMPING STATION

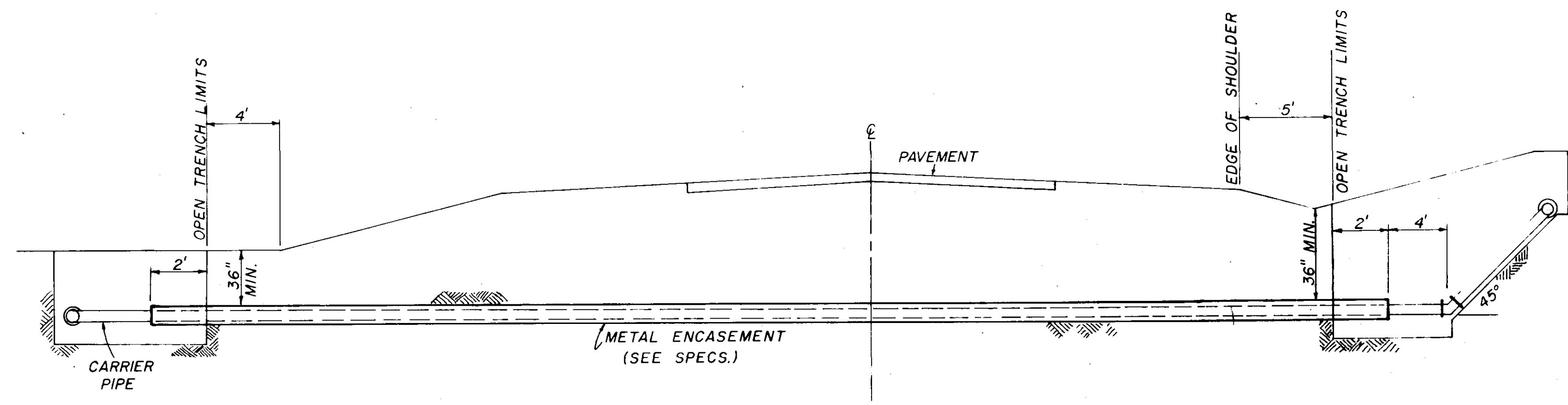
PURPLE CREEK / WHITE OAK CREEK
UTILITY EXTENSIONS

WAGGONER ENGINEERING INC.
Consulting Engineers Jackson / Brandon, Miss.

DRAWN BY	DATE	SHEET NO.
CHECKED BY	SCALE	13 OF 16
J.A.W.	AS SHOWN	

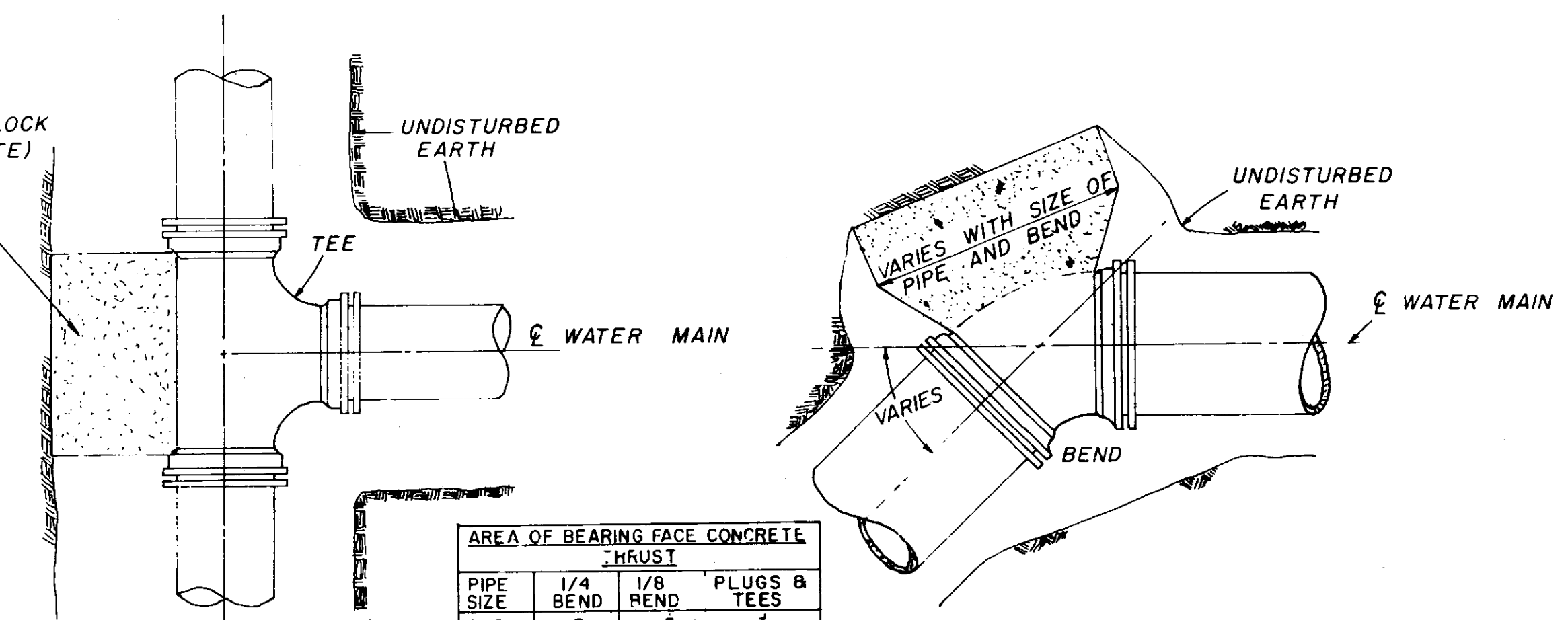
7/15/90 ADD RAILS & LIFTING CABLES
NO. 2046 REVISION

87-158



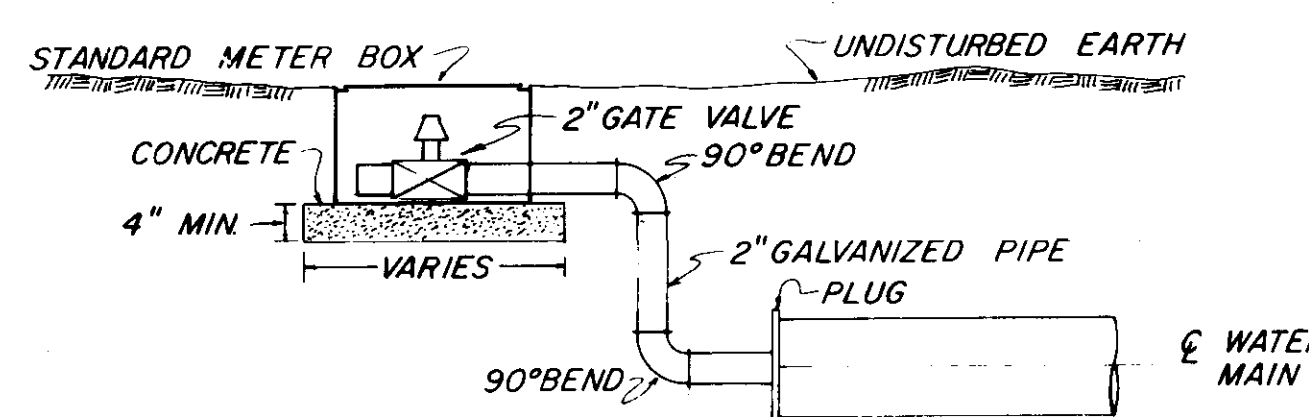
TYPICAL CASED CROSSING

NOTE: COMPENSATION FOR CONCRETE TRUST BLOCKS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VALVES, FIRE HYDRANTS AND FITTINGS.

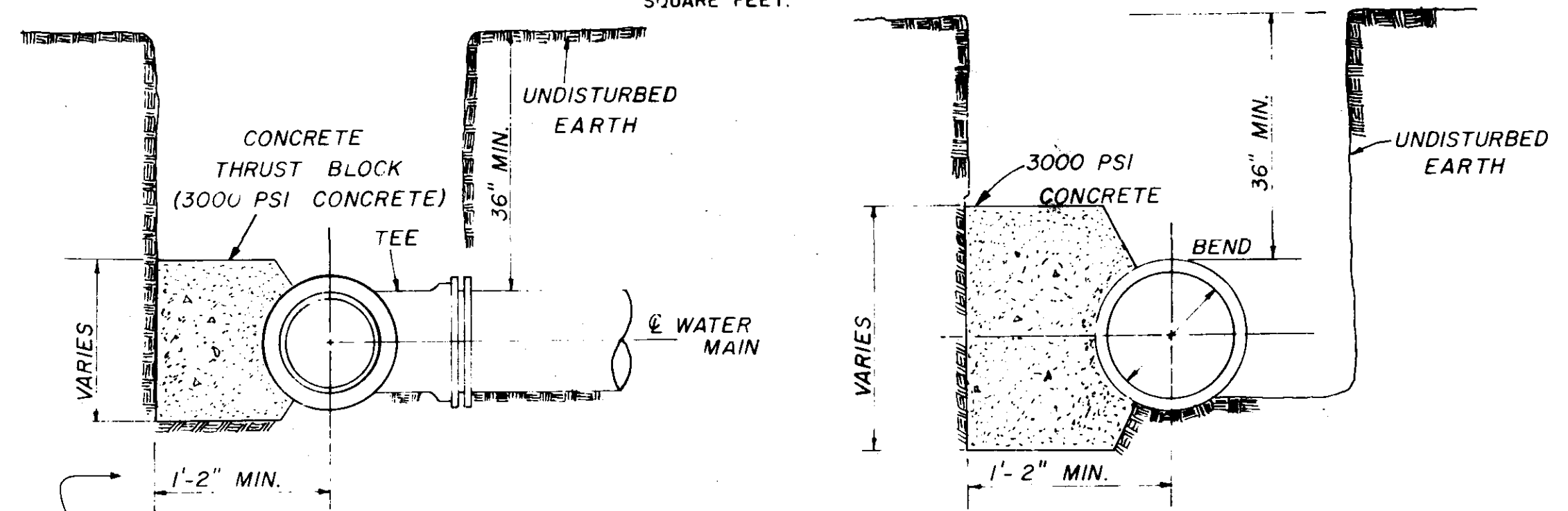


PLAN

PLAN



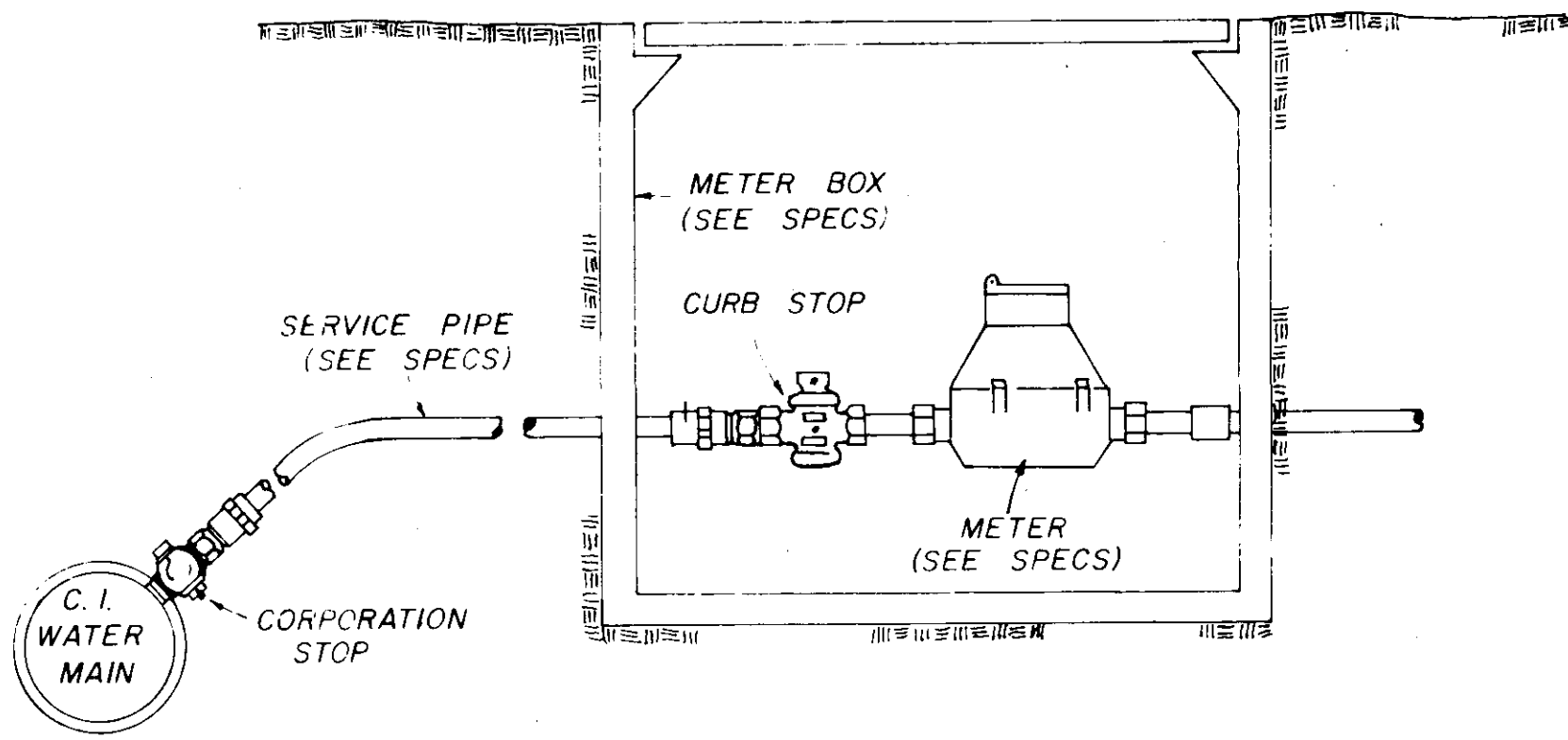
TYPICAL 2" BLOW-OFF DETAIL



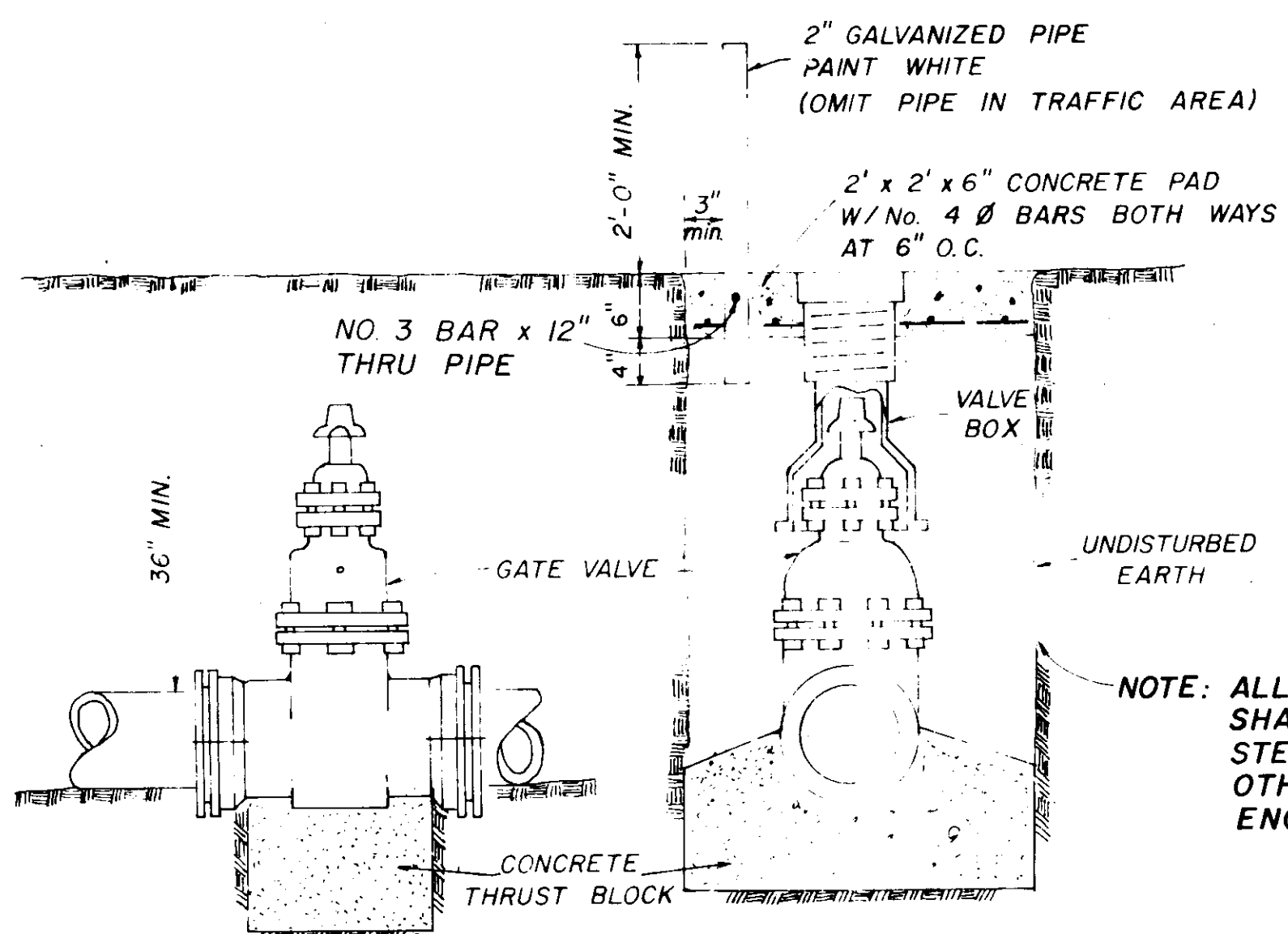
SECTION

SECTION

BLOCKING DETAILS FOR TEES & BENDS



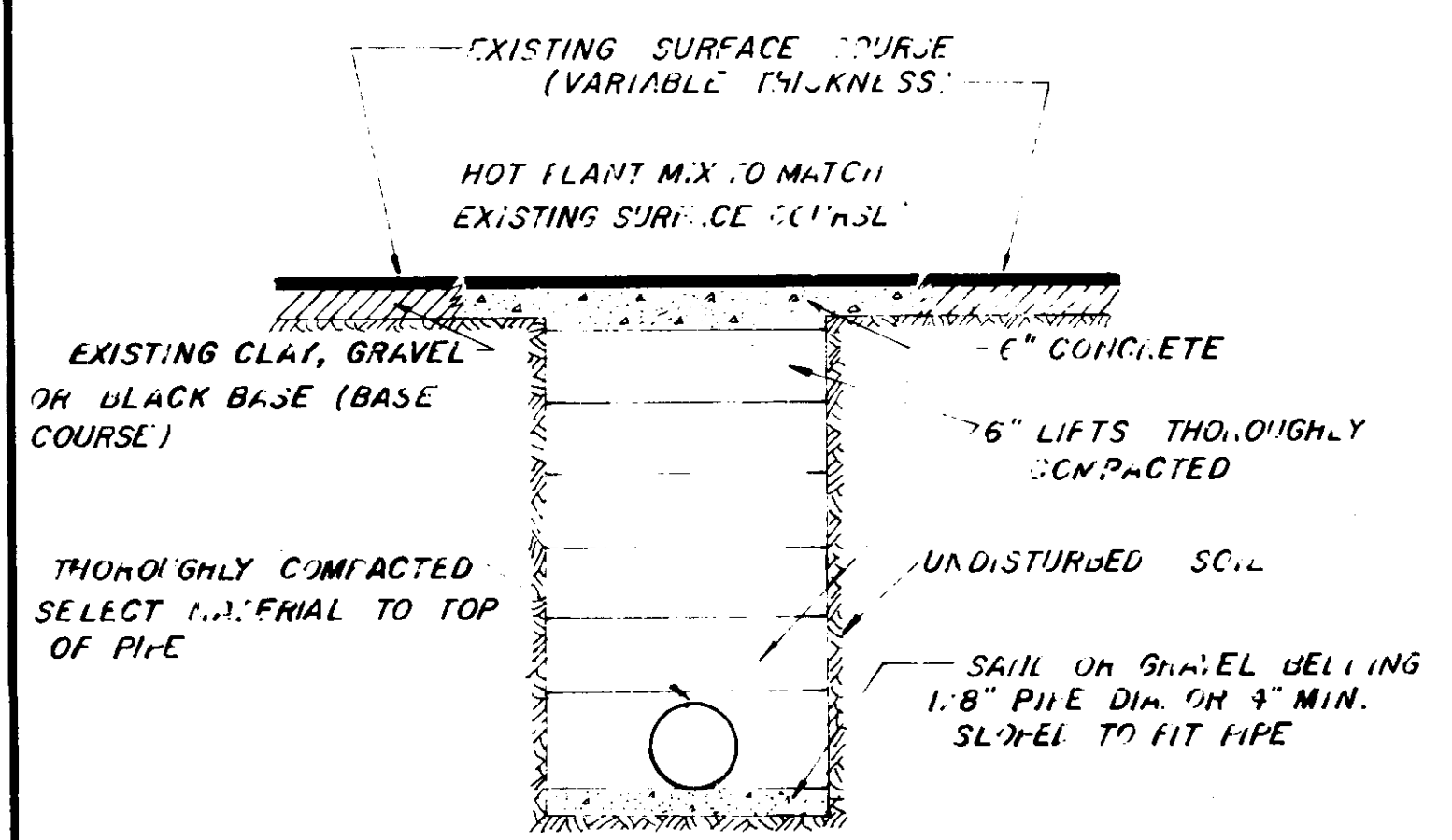
TYPICAL SERVICE ASSEMBLY



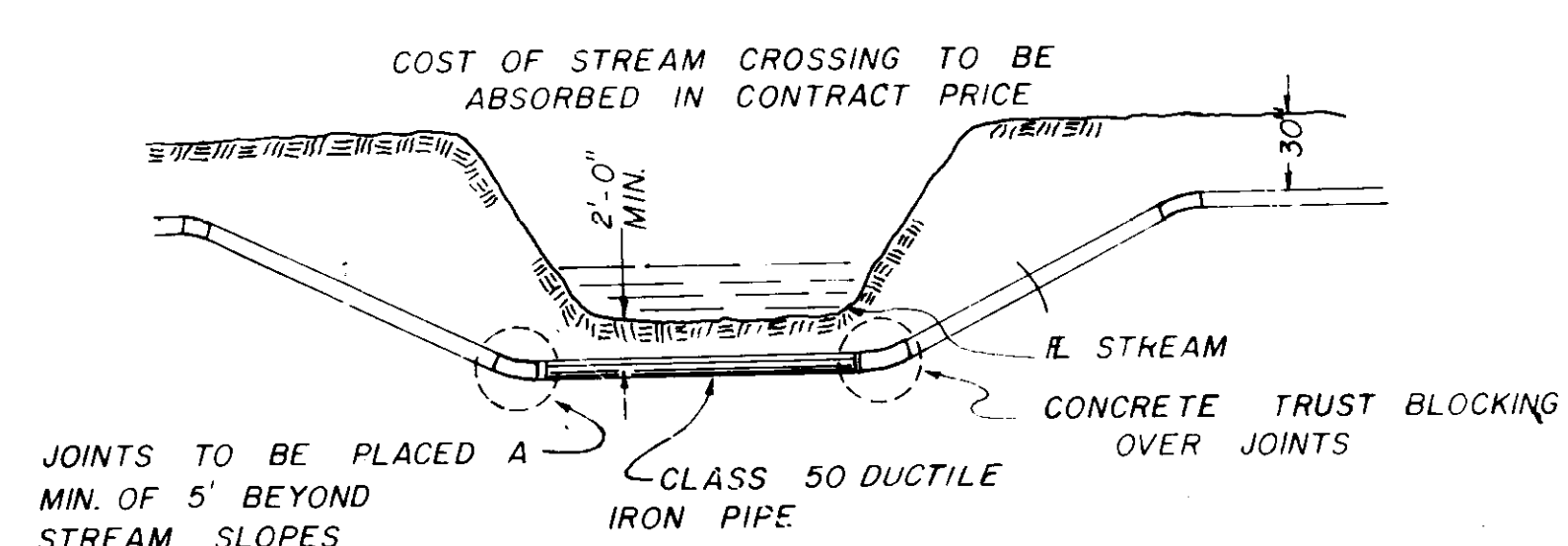
ELEVATION SECTION

TYPICAL VALVE & BOX

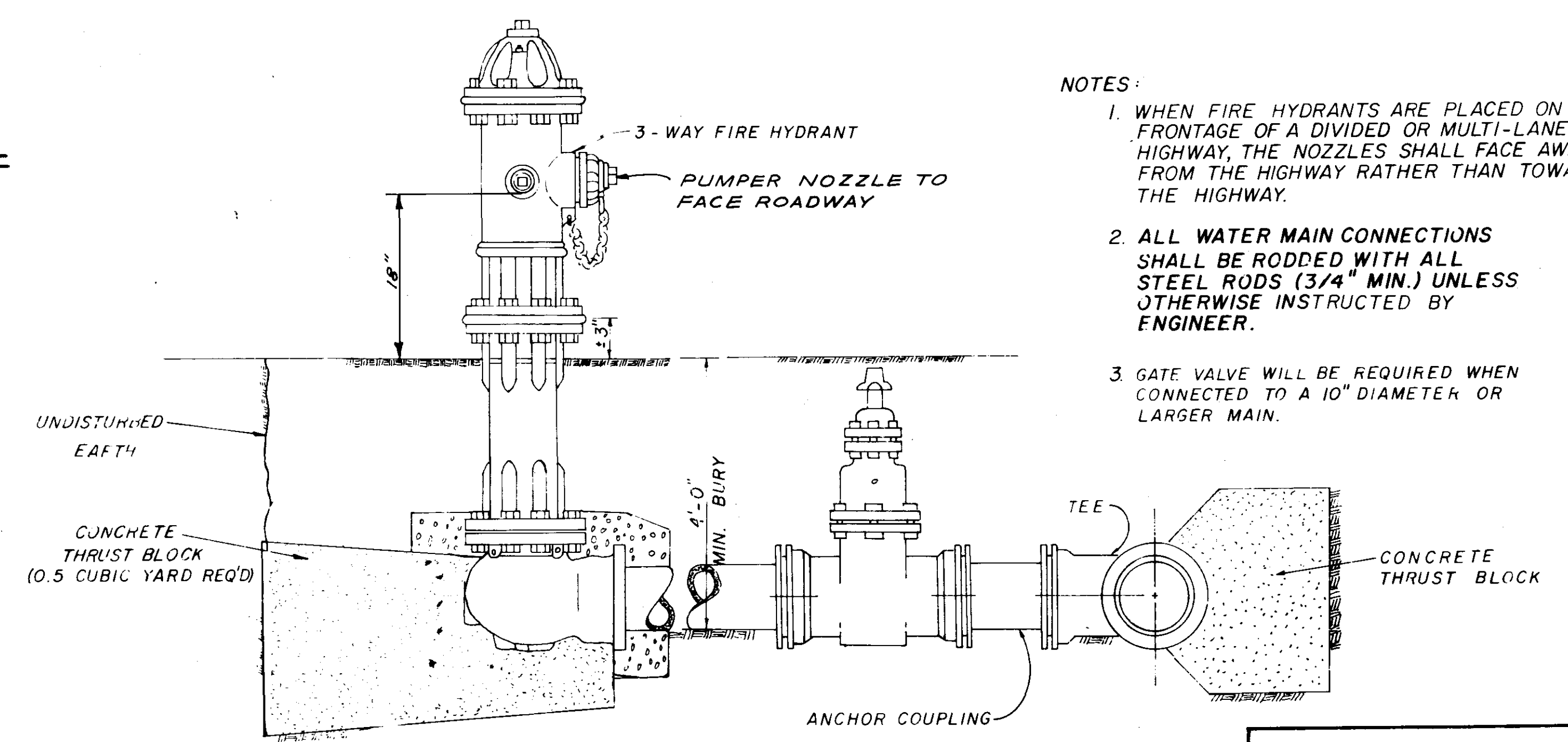
NOTE: ALL WATER MAIN CONNECTIONS SHALL BE RODDED WITH ALL STEEL RODS (3/4" MIN) UNLESS OTHERWISE INSTRUCTED BY ENGINEER.



STREET REPAIR OF OPEN CUT



TYPICAL STREAM CROSSING



TYPICAL FIRE HYDRANT

- NOTES:
1. WHEN FIRE HYDRANTS ARE PLACED ON THE FRONTAGE OF A DIVIDED OR MULTI-LANE HIGHWAY, THE NOZZLES SHALL FACE AWAY FROM THE HIGHWAY RATHER THAN TOWARD THE HIGHWAY.
 2. ALL WATER MAIN CONNECTIONS SHALL BE RODDED WITH ALL STEEL RODS (3/4" MIN.) UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 3. GATE VALVE WILL BE REQUIRED WHEN CONNECTED TO A 10" DIAMETER OR LARGER MAIN.

WATER SYSTEM STANDARD DETAILS

WAGGONER ENGINEERING INC.
Consulting Engineers - Jackson / Brandon, Ms.
DRAWN BY: H.J. DATE: _____
CHECKED BY: J.A.W. SCALE: N.T.S. 14 OF 16

RECORD DRAWING MAR. 1990