

CITY OF JACKSON, MISSISSIPPI
SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM

CITY PROJECT NO. 281.5

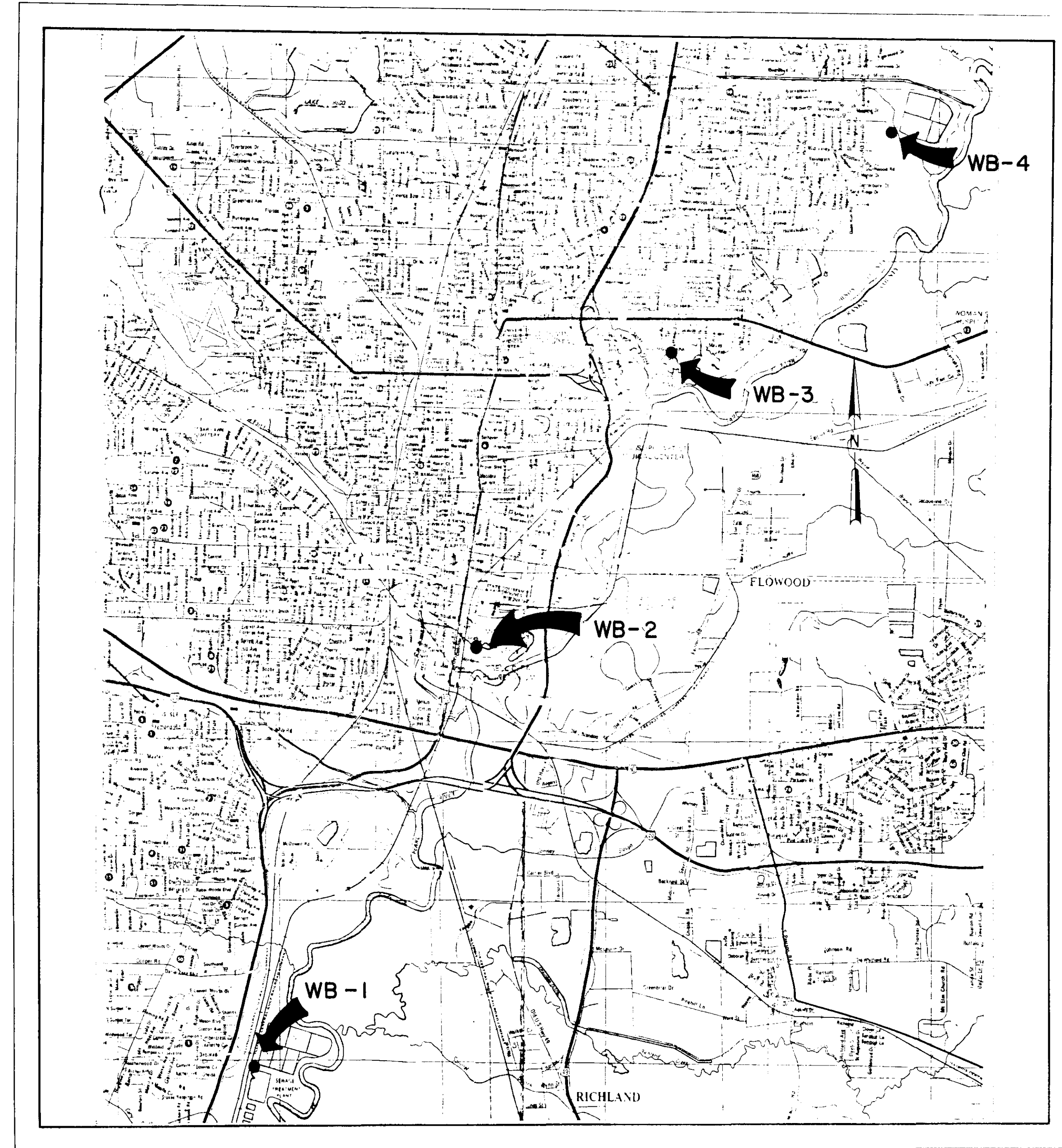
MAYOR
KANE DITTO

DIRECTOR-DEPARTMENT OF PUBLIC WORKS

GERALD BEARD

SENIOR CIVIL ENGINEER
WATER-SEWER UTILITIES DIVISION

DAVID WILLIS, P.E.




VICINITY MAP

CITY OF JACKSON, MISSISSIPPI
DEPARTMENT OF PUBLICWORKS

APPROVED BY : _____ DATE : _____

PREPARED BY :

 NEEL-SCHAFFER, INC.
Engineers • Planners
Jackson, Mississippi

DATE : 3/2/90

JOHN G. SIGMAN, P.E.
MISSISSIPPI REGISTRATION NO. 6764

MARCH 1990

PWP-00325

GENERAL NOTES

1. DAILY CLEANUP IS REQUIRED. THE JOB SITE SHALL BE MAINTAINED IN AN NEAT AND ORGANIZED MANNER. STOCK PILES OF EXCAVATED MATERIAL SHALL BE REMOVED DAILY AND NOT ALLOWED TO REMAIN ON OR ADJACENT TO CITY STREETS, PARK ROADS OR HIGHWAYS OVERNIGHT.
2. WRITTEN DIMENSIONS AND ELEVATIONS SHALL GOVERN OVER SCALED DIMENSIONS AND ELEVATIONS.
3. CONTRACTOR SHALL RESTORE ALL AREAS DAMAGED OR DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION. ROADSIDE DITCHES AND OTHER DRAINAGEWAYS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. DRAINAGEWAYS SHALL BE CLEARED OF DEBRIS, EXCESS EXCAVATION OR OTHER CONSTRUCTION MATERIALS DAILY OR MORE OFTEN IF REQUIRED BY RAINFALL.
4. EXISTING WATER MAINS, STORM SEWER, SANITARY SEWERS, TELEPHONE CABLES, GAS MAINS, ELECTRICAL CONDUITS AND OTHER UTILITIES ARE SHOWN FOR CONTRACTOR'S INFORMATION ONLY. LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON CONSTRUCTION PLANS.
5. ACTIVE UTILITIES WHICH DO NOT INTERFERE WITH THE WORK SHALL BE SUPPORTED AND PROTECTED FROM DAMAGE. AFTER OBTAINING THE APPROVAL OF THE OWNER OF THE UTILITY, THE CONTRACTOR SHALL RELOCATE OR REMOVE ACTIVE UTILITIES WHICH WILL INTERFERE WITH THE WORK AS INDICATED. THE CONTRACTOR SHALL PAY FOR ALL DAMAGE TO ACTIVE UTILITIES AND FOR RELOCATION OR REMOVAL OF ALL INTERFERING UTILITIES.
6. THE CONTRACTOR SHALL PROTECT ALL TREES AND SHRUBS THAT ARE NOT INDICATED ON THE DRAWINGS TO BE CLEARED. THE CONTRACTOR SHALL PAY TO REPLACE ALL DAMAGED TREES AND SHRUB IF SO REQUESTED BY THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
7. ALL PAVEMENT TO BE REMOVED SHALL BE CUT TO A SMOOTH LINE WITH PAVEMENT SAWS, DISKS OR ASPHALT SPADES.
8. THE CONTRACTOR'S JOB SITE SUPERINTENDENT SHALL BE ACCESSIBLE AT ALL TIMES AND WILL BE REQUIRED TO HAVE A "BEEPER" FURNISHED AT THE CONTRACTOR'S EXPENSE. THE BEEPER NUMBER SHALL BE GIVEN TO THE ENGINEER AT THE PRECONSTRUCTION CONFERENCE.
9. THE CONTRACT DRAWINGS ARE SCHEMATIC AND MAY SHOW PLUMBING AND PIPING IN A GENERAL WAY ONLY, AND ALL PIPING AND DETAILS ARE NOT NECESSARILY SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH ALL MATERIALS AND DO ALL WORK NECESSARY FOR A COMPLETE AND SATISFACTORY INSTALLATION.

INDEX TO DRAWINGS

- 1 COVER
- 2 INDEX AND GENERAL NOTES
- 3 SITE PLAN AND DETAILS, STATION NO. WB1 - CANY CREEK
- 4 SITE PLAN AND DETAILS, STATION NO. WB2 - FAIRGROUNDS
- 5 SITE PLAN AND DETAILS, STATION NO. WB3 - LAKELAND
- 6 MISCELLANEOUS DETAILS, STATION NO. WB3 - LAKELAND
- 7 FENCE AND FENCE GATE DETAILS, STATION NO. WB3 - LAKELAND
- 8 CHERYL DRIVE EXTENSION - PLAN AND PROFILE
- 9 PLAN AND ELEVATION, STATION WB4 - HANGING MOSS
- 10 ACCESS PLATFORM DETAILS, STATION NO. WB4 - HANGING MOSS
- 11 WALKWAY DETAILS, STATION NO. WB4 - HANGING MOSS
- 12 SECURITY GATE DETAILS, STATION NO. WB4 - HANGING MOSS
- 13 TRAFFIC CONTROL DETAILS
- 14 ELEC. & INSTRUMENTATION DETAILS, STATION NO. WB1 - CANY CREEK
- 15 ELEC. & INSTRUMENTATION DETAILS, STATION NO. WB2 - FAIRGROUNDS
- 16 ELEC. & INSTRUMENTATION DETAILS, STATION NO. WB3 - LAKELAND
- 17 ELEC. & INSTRUMENTATION DETAILS, STATION NO. WB4 - HANGING MOSS
- 18 ELEC. & INSTRUMENTATION, TYPICAL DETAILS, STATION NO. WB1, WB2, WB3, & WB4
- 19-21 CHERYL DRIVE EXTENTION - CROSS SECTIONS

CITY OF JACKSON, MISSISSIPPI
CITY PROJECT NO. 2815

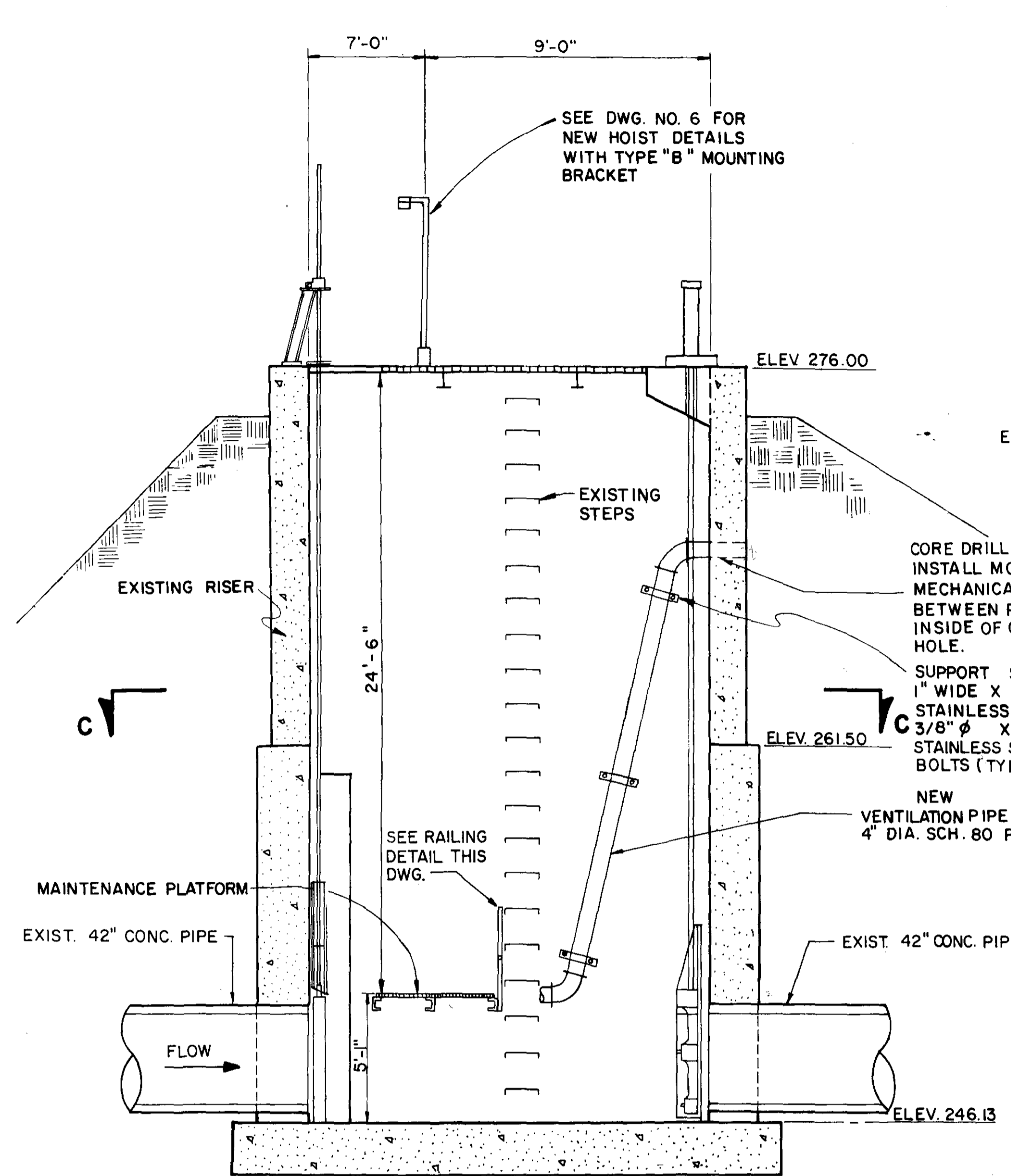
INDEX AND GENERAL NOTES

SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM

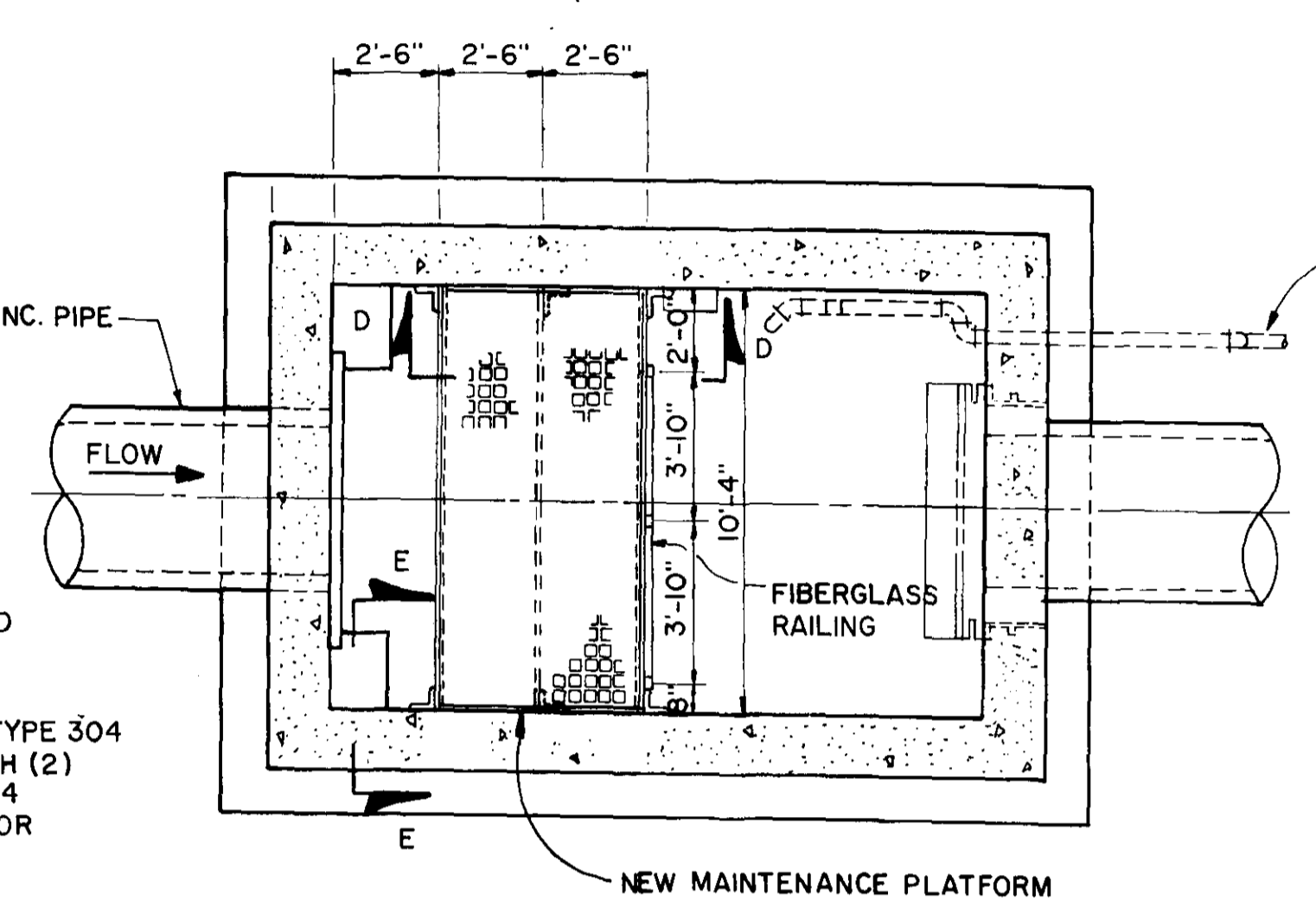
DSGN: J.L.L. 5/90
DRWN: W.A.H. 2/90
CHKD: J.G.S. 2/90
SCALE: NONE

NEEL-SCHAFFER, INC.
ENGINEERS - PLANNERS
JACKSON, MISSISSIPPI

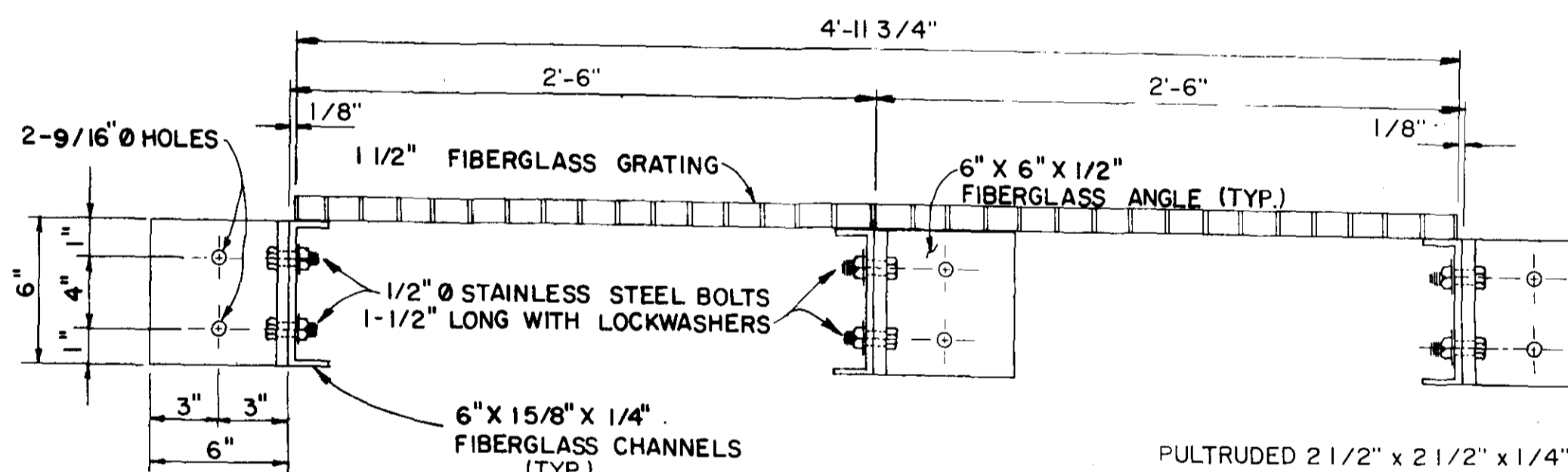
DRAWING NO.
2 of 21



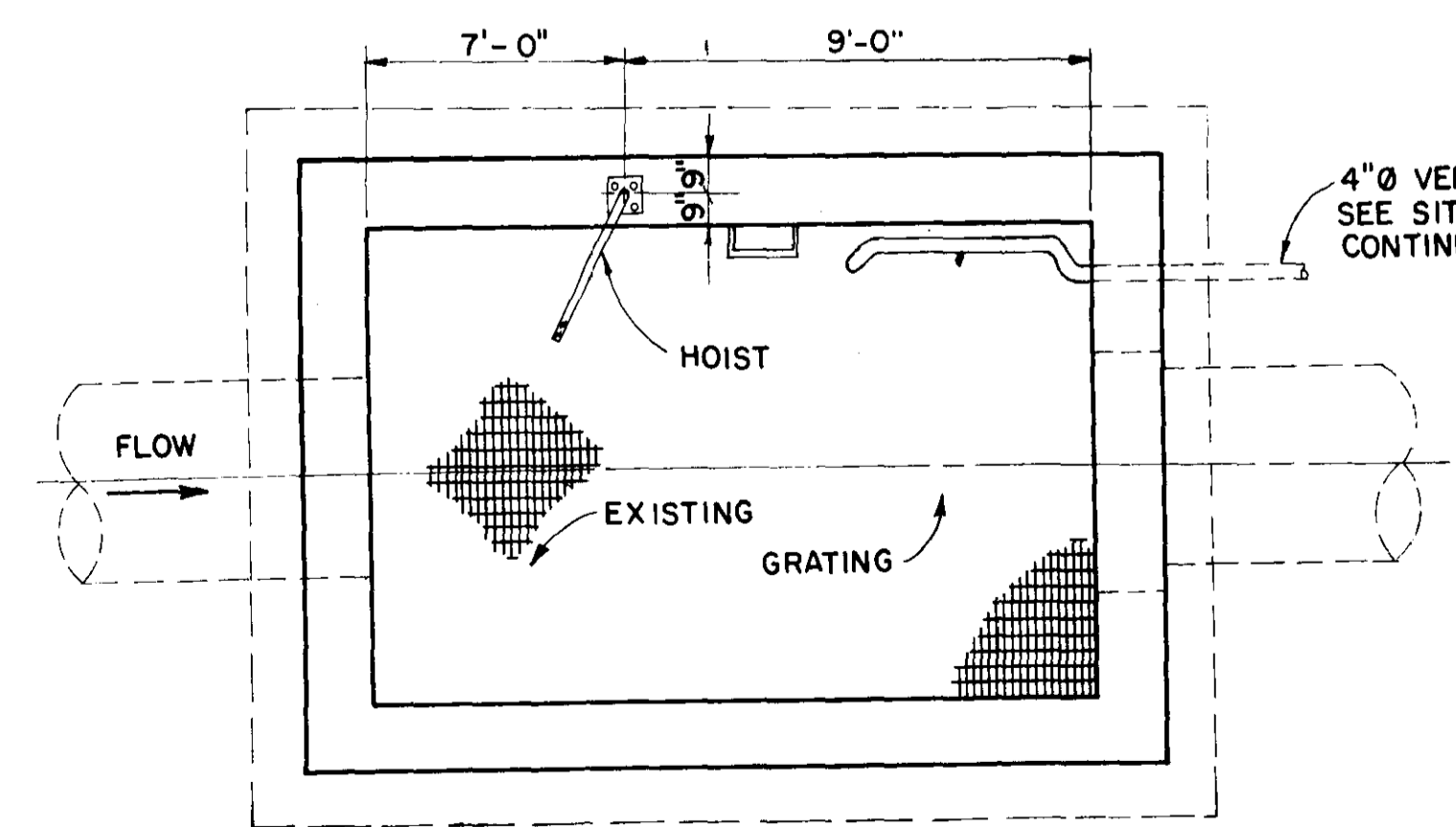
SECTION A-A
SCALE: 1/4"=1'-0"



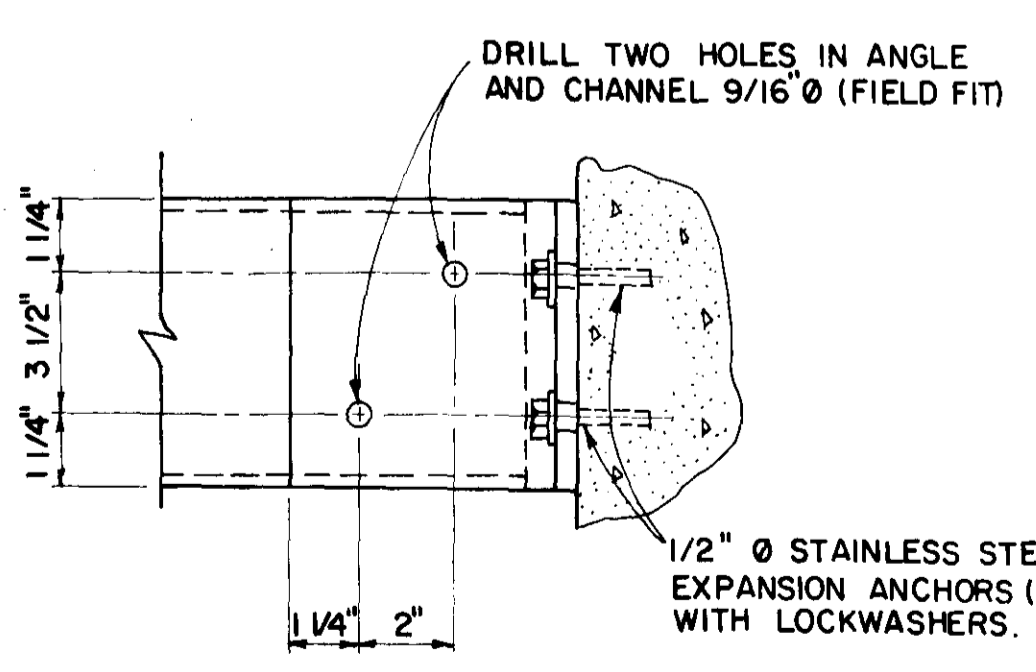
SECTION C-C
SCALE: 1/4"=1'-0"



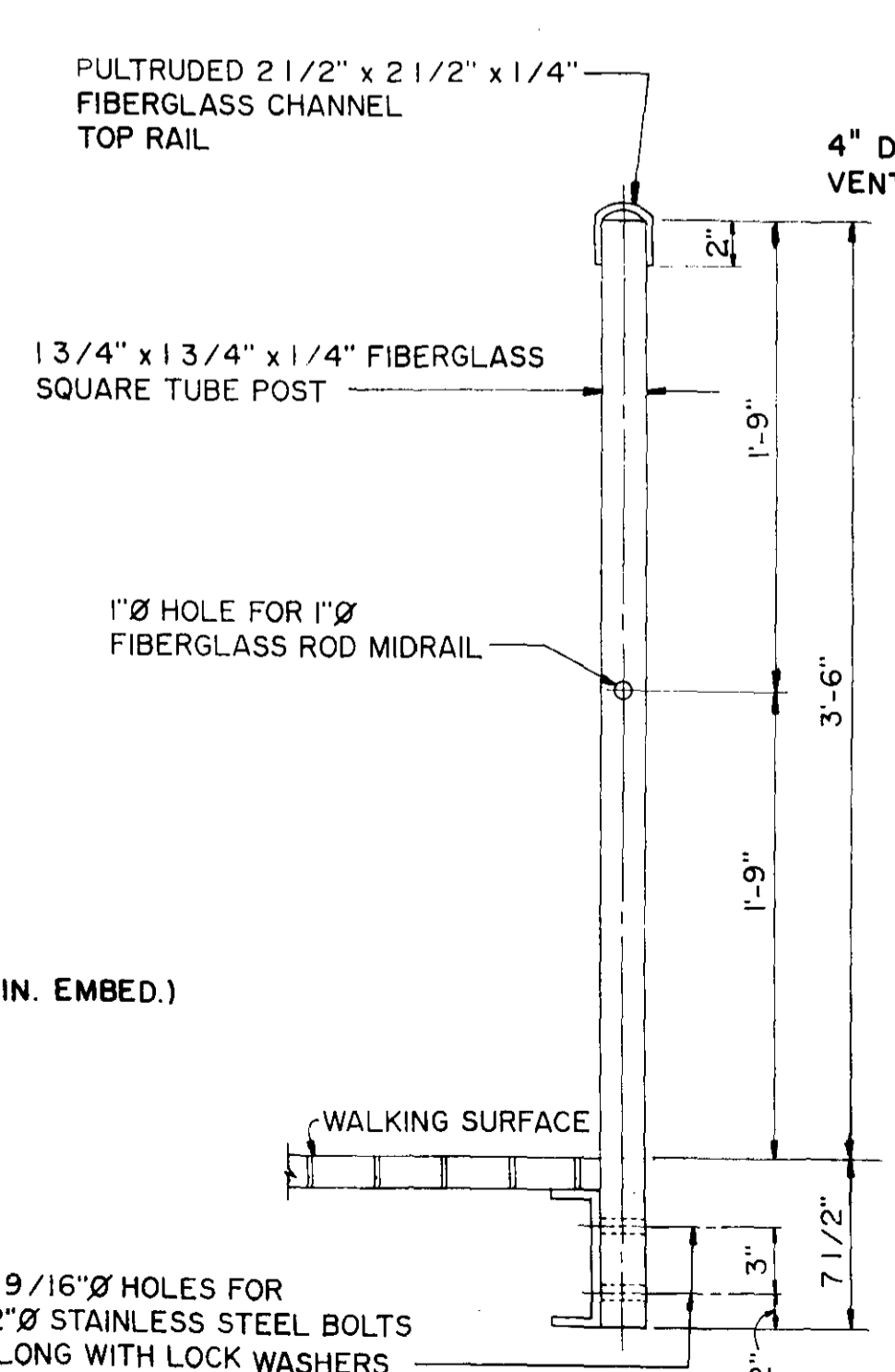
SECTION D-D
N.T.S.



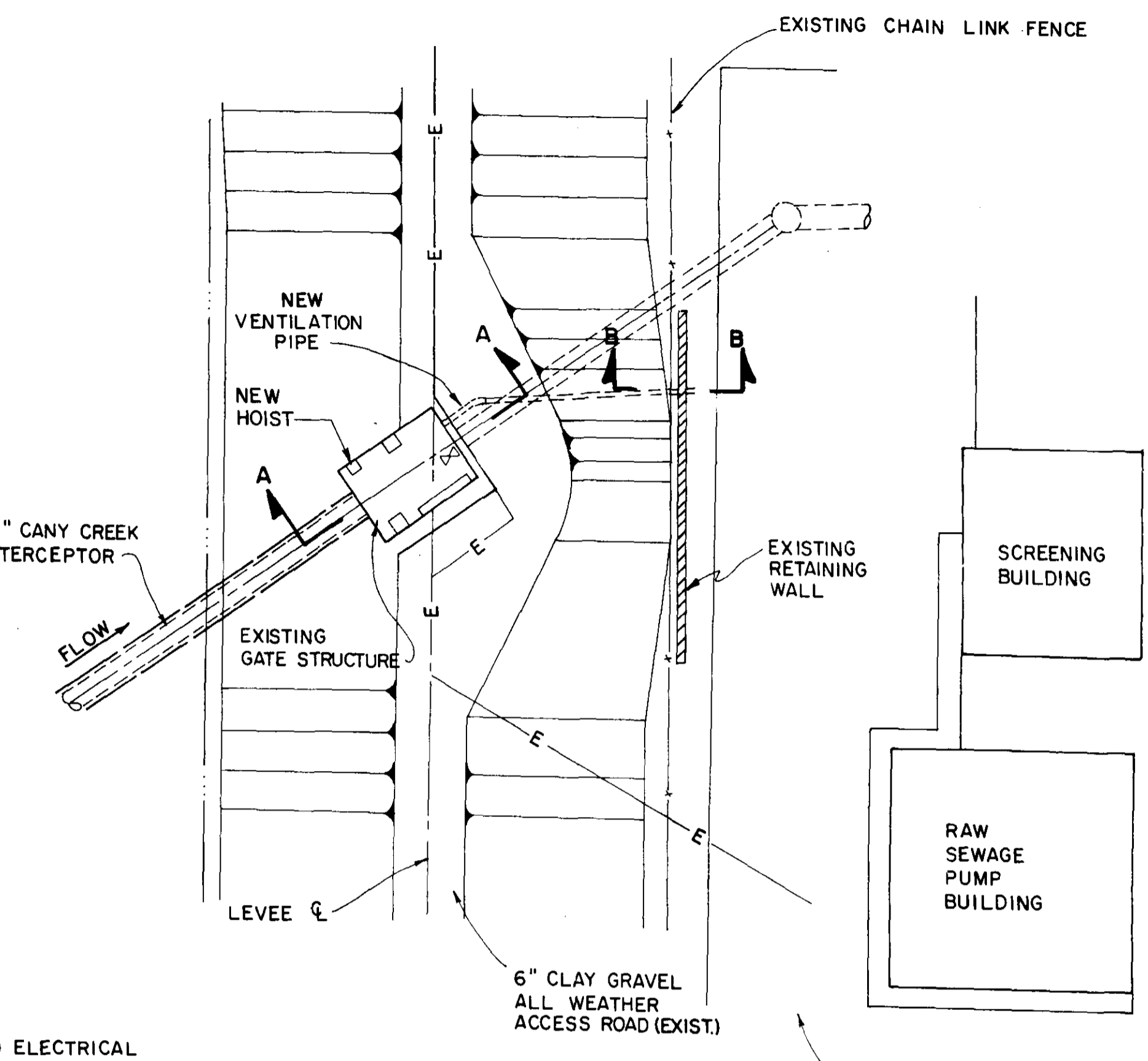
PLAN
SCALE: 1/4"=1'-0"



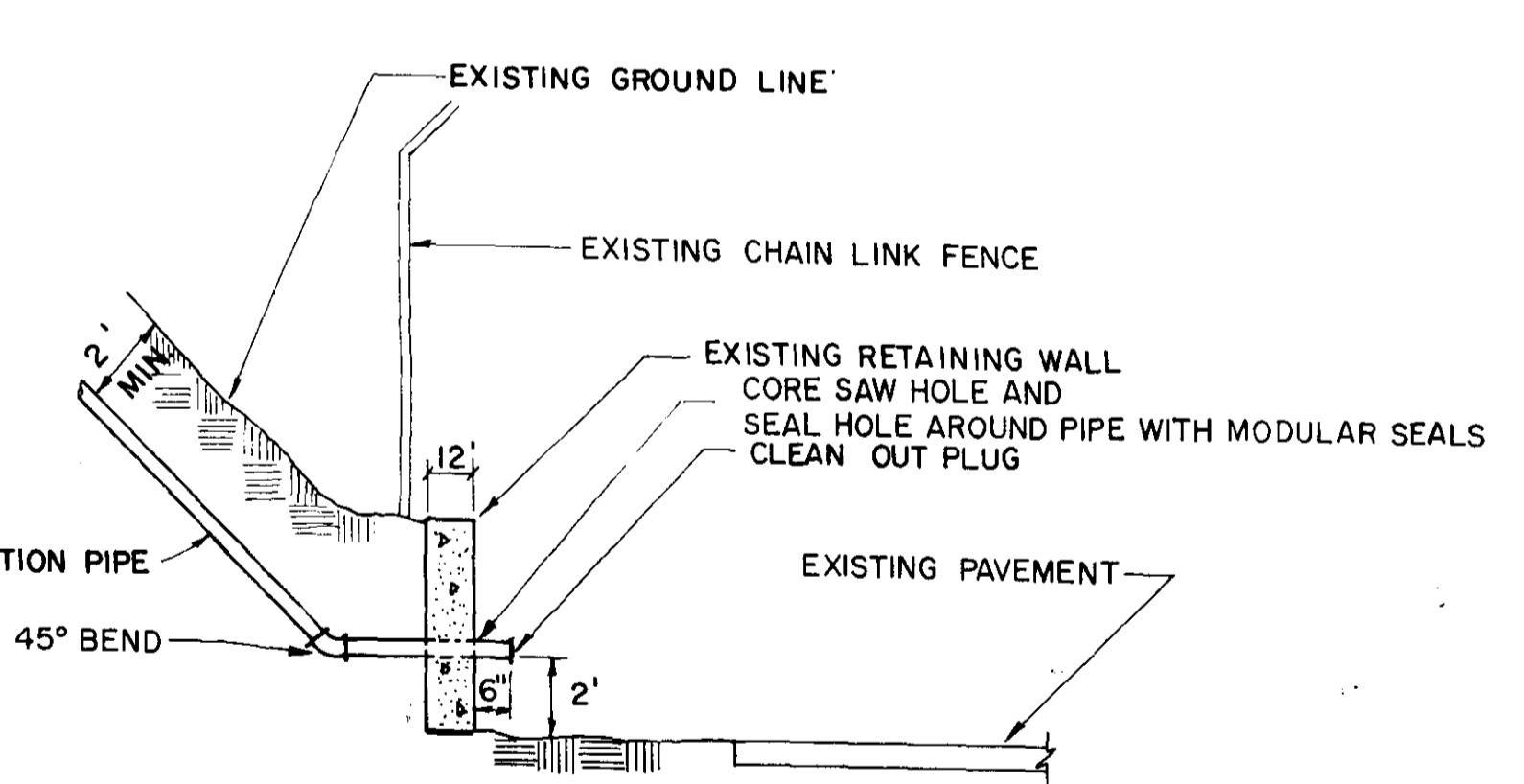
SECTION E-E
N.T.S.



RAILING DETAIL (N.T.S.)



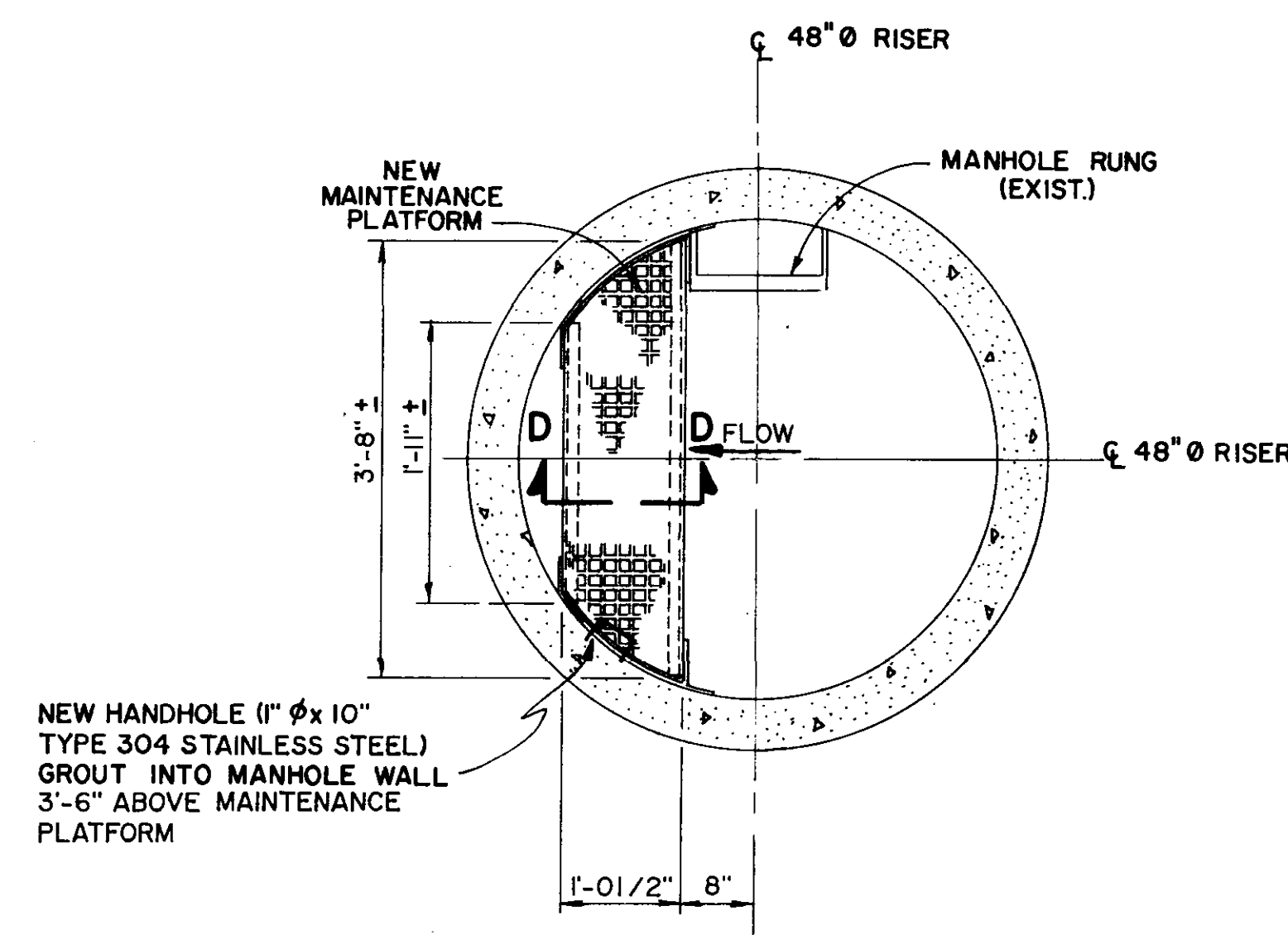
SITE PLAN
SCALE: 1"=20'



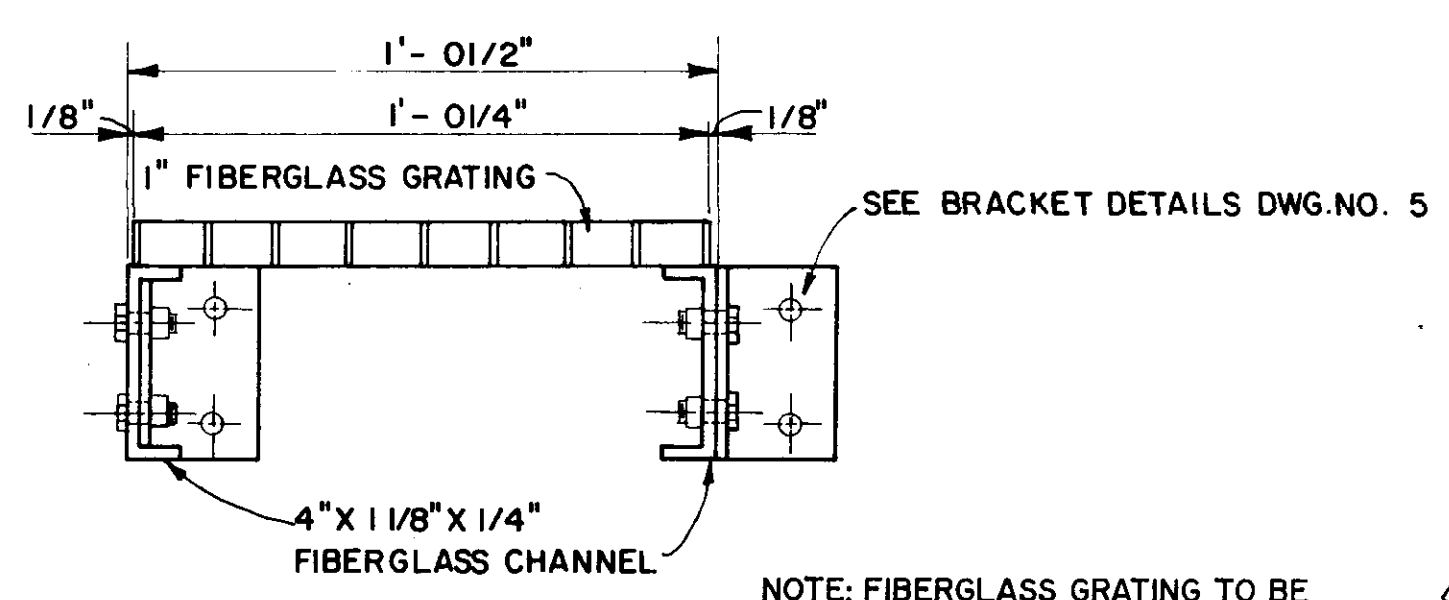
SECTION B-B
NOT TO SCALE

NOTE: FIBERGLASS GRATING TO BE ATTACHED TO FIBERGLASS CHANNELS WITH STAINLESS STEEL CLIPS # 2'-0" cts.

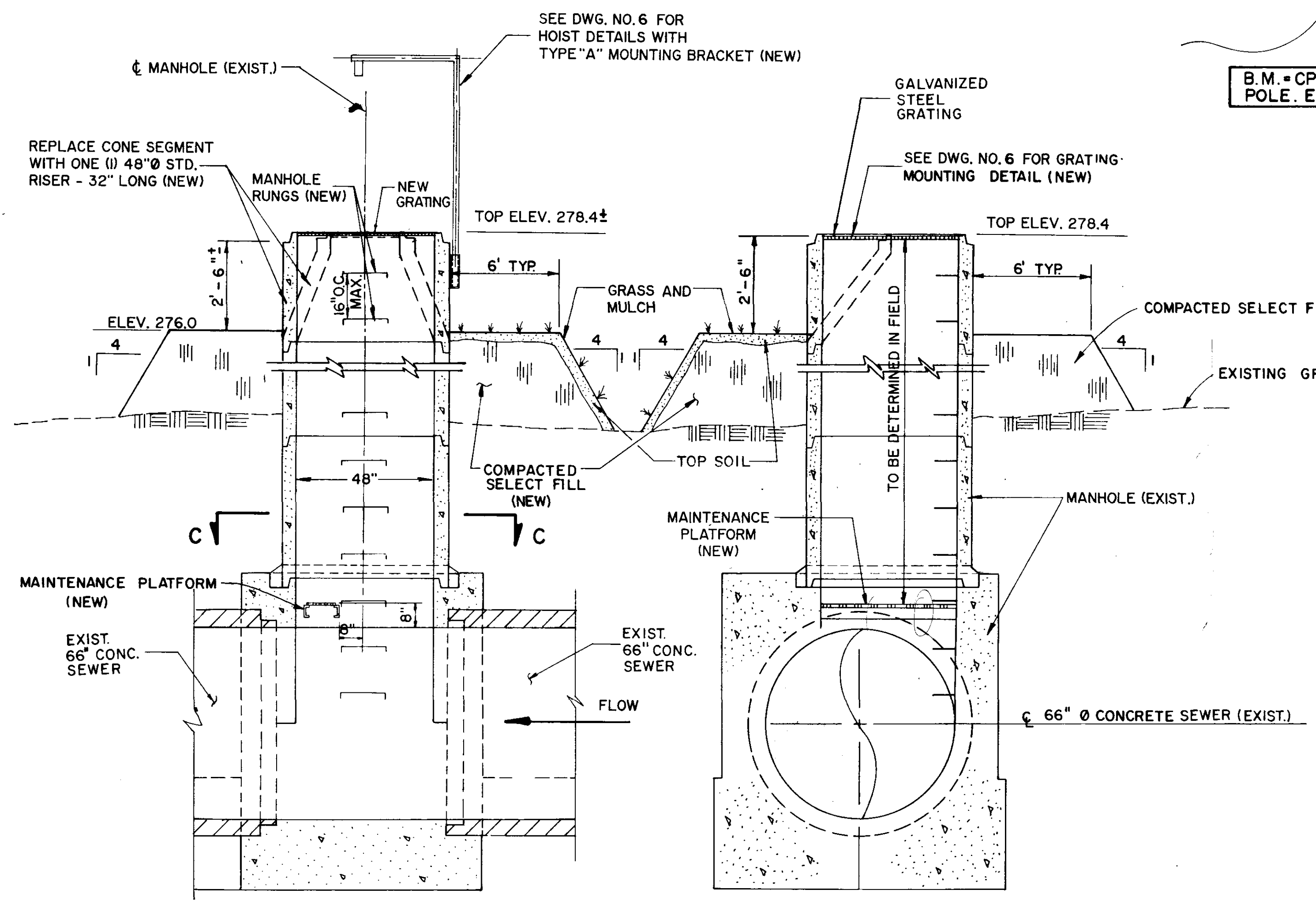
CITY OF JACKSON, MISSISSIPPI CITY PROJECT NO. 281.5	
SITE PLAN AND DETAILS STATION NO. WB1-CANY CREEK	
SEWER METERING STATIONS WEST BANK INTERCEPTOR SYSTEM	
DSGN: R.B. 2/90	NEEL-SCHAFER INC. ENGINEERS - PLANNERS JACKSON, MISSISSIPPI
DRWN: W.A.H. 2/90	DRAWING NO. 3 OF 21
CHKD: W.K.M. 2/90	SCALE: SHOWN



SECTION C-C
N.T.S.

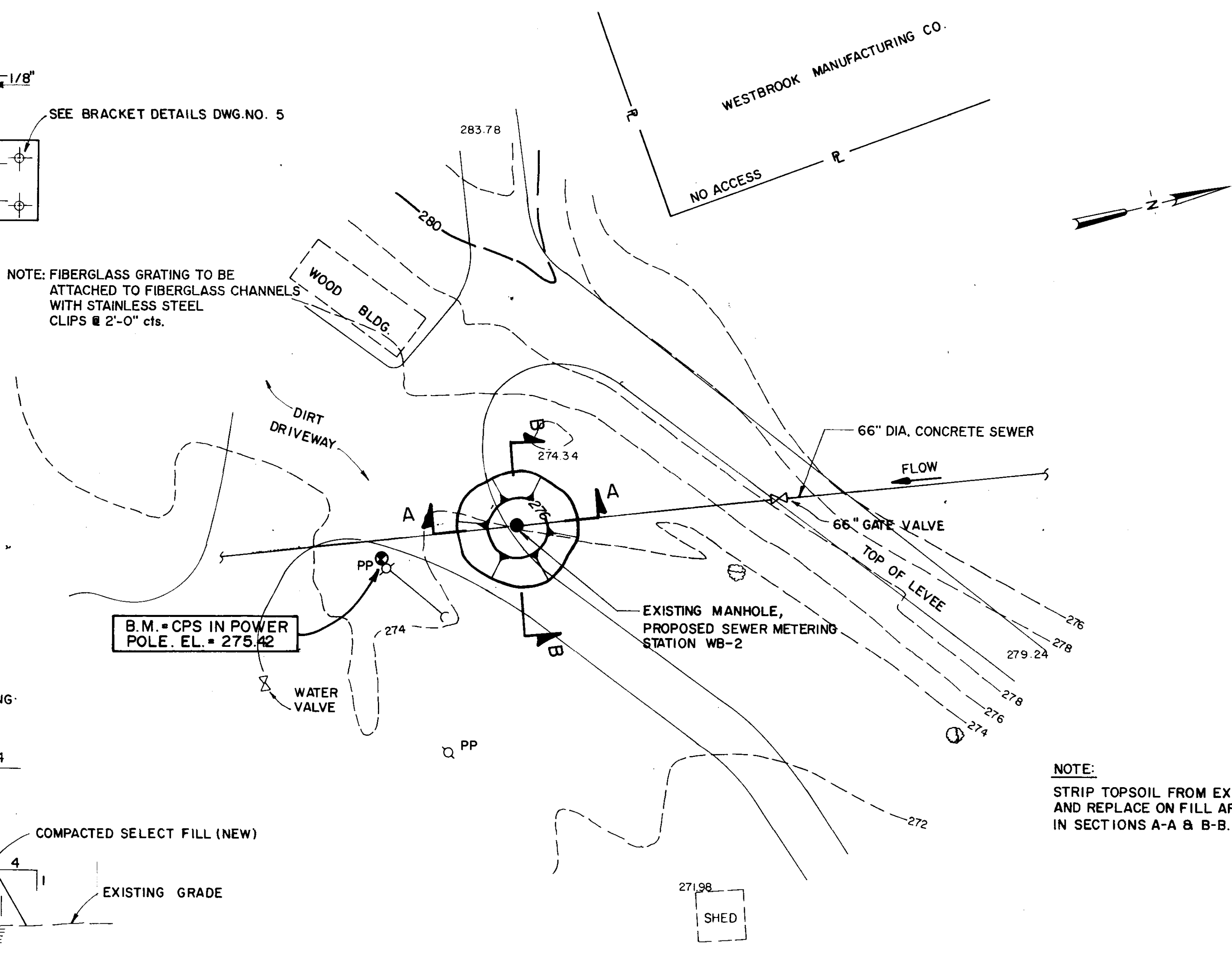


SECTION D-D
N.T.S.



SECTION A-A
N.T.S.

SECTION B-B
N.T.S.



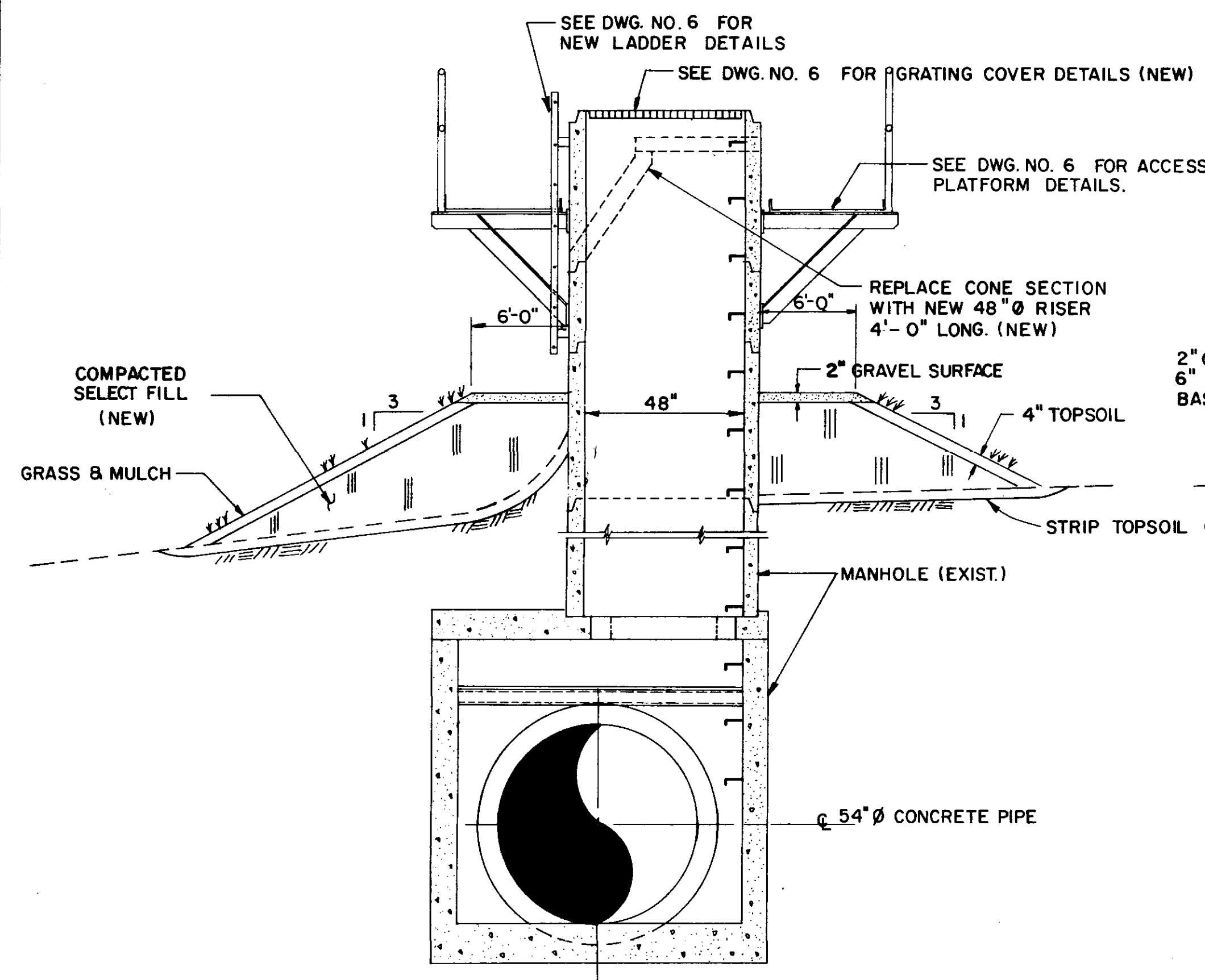
SITE PLAN
SCALE: 1" = 20'

- LEGEND**
- 274 --- EXISTING CONTOURS
 - 276 --- PROPOSED CONTOURS
 - P --- PROPERTY LINE
 - ⊙ EXISTING MANHOLE
 - ⊙ EXISTING POWER POLE
 - ⊙ EXISTING WATER VALVE
 - ⊙ EXISTING TREE

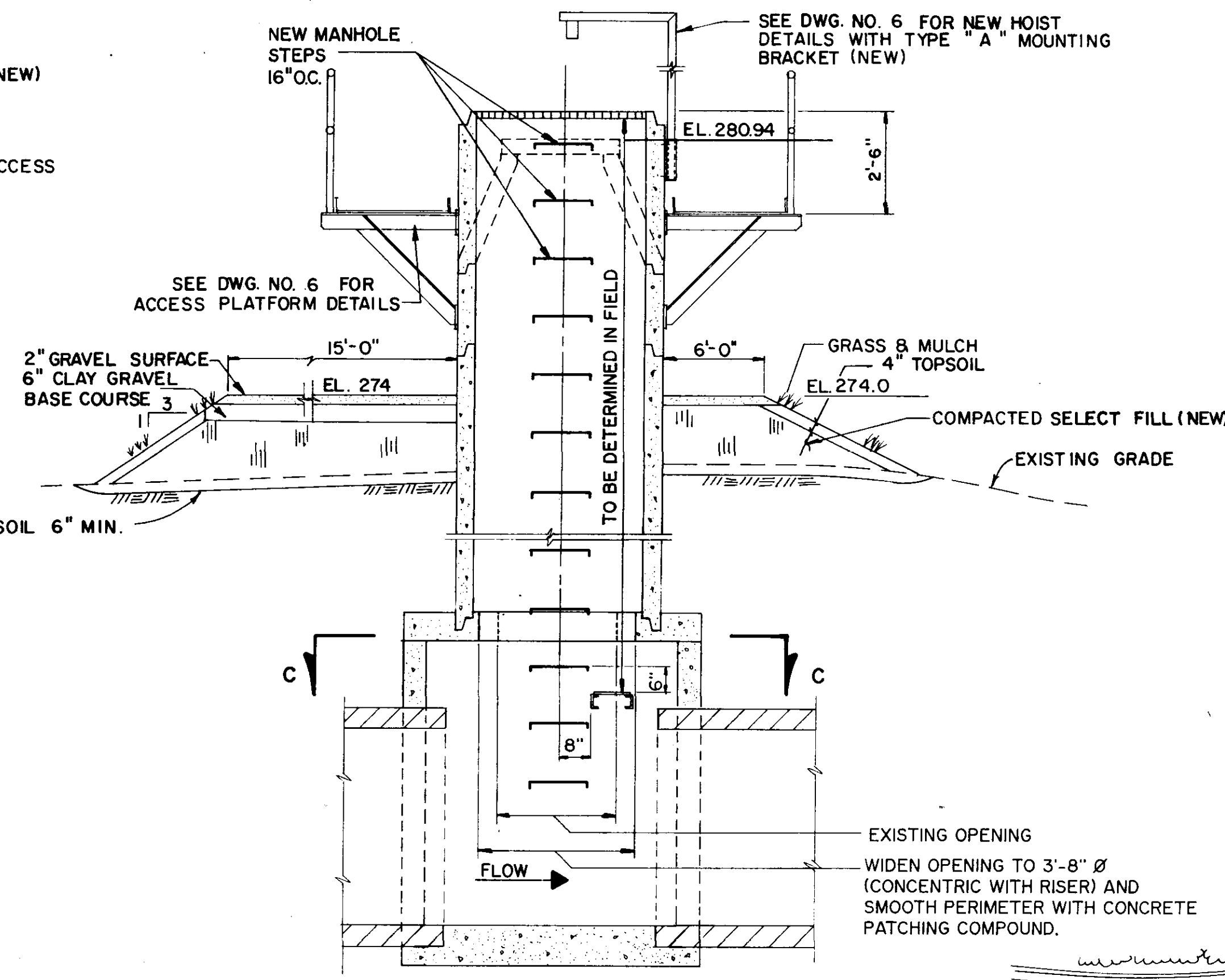
NOTE:
STRIP TOPSOIL FROM EXISTING GRADE AND REPLACE ON FILL AREAS AS SHOWN IN SECTIONS A-A & B-B.

CITY OF JACKSON, MISSISSIPPI CITY PROJECT NO. 281.5	
SITE PLAN AND DETAILS STATION NO. WB2 - FAIRGROUNDS	
SEWER METERING STATIONS WEST BANK INTERCEPTOR SYSTEM	
DSGN: J.L. 2-90 DRWN: W.A.H. 2-90 CHKD: W.K.M. 2-90 SCALE: SHOWN	NEEL-SCHAFFER, INC. ENGINEERS - PLANNERS JACKSON, MISSISSIPPI
DRAWING NO. 4 of 21	

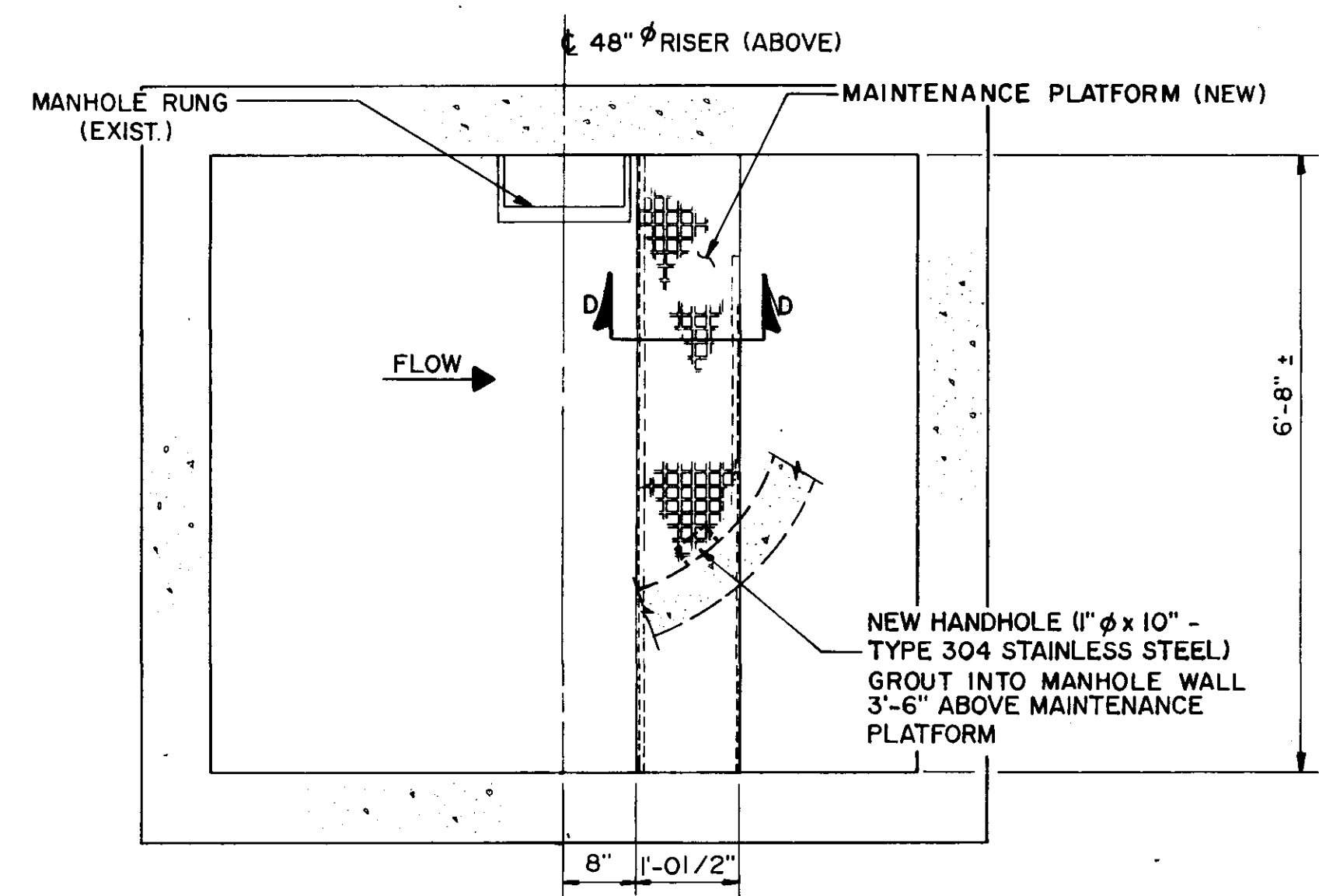




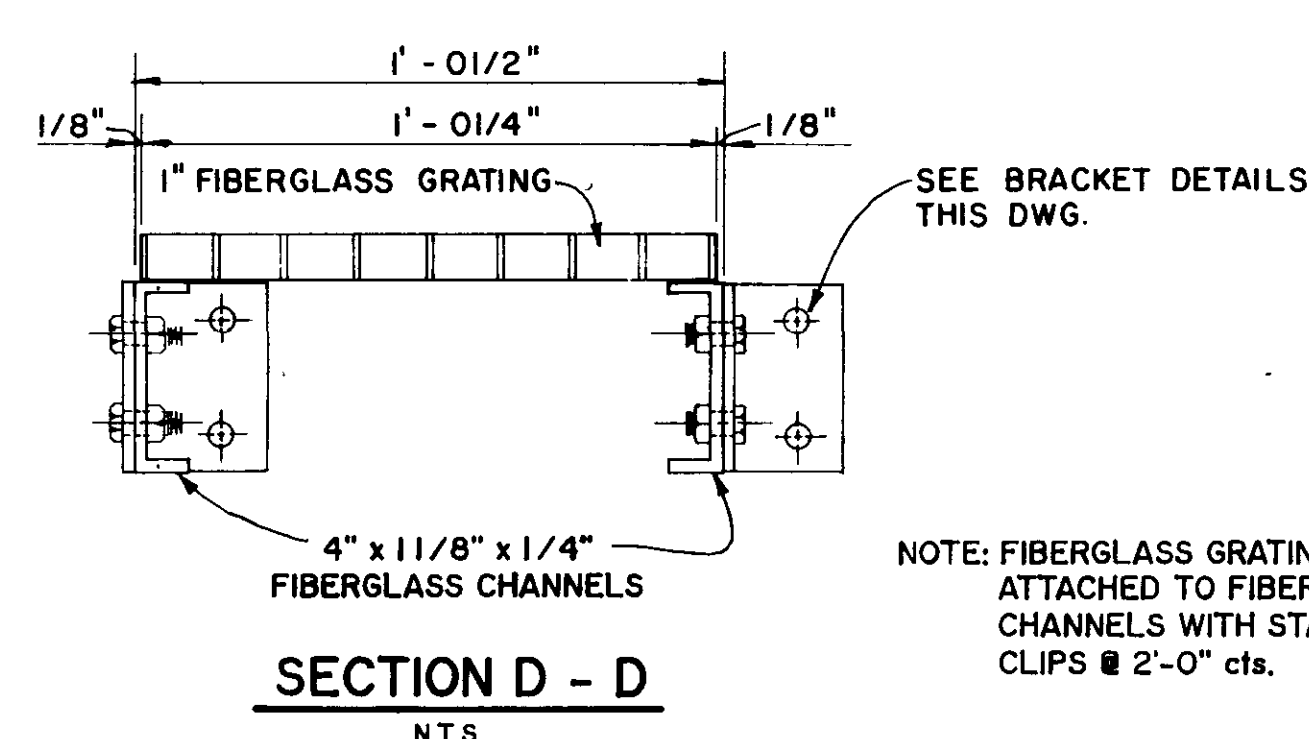
SECTION B-B
N.T.S.



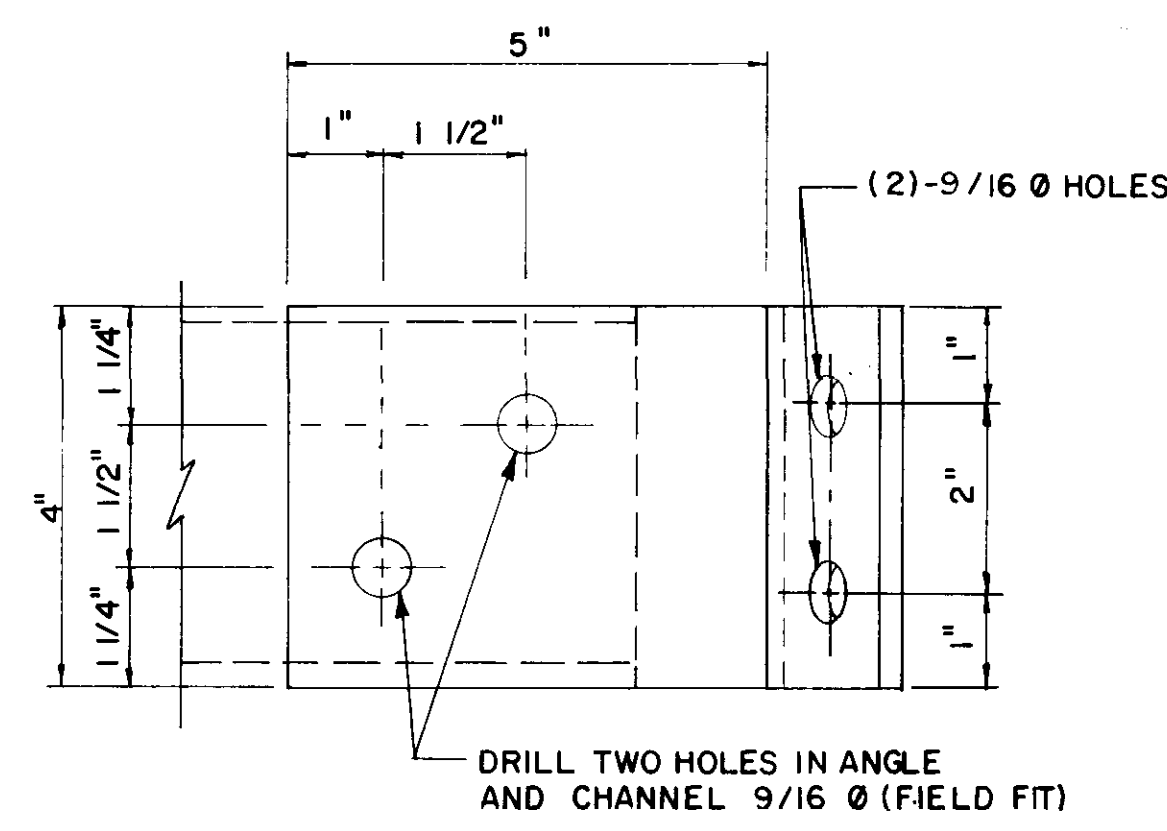
SECTION A-A
N.T.S.



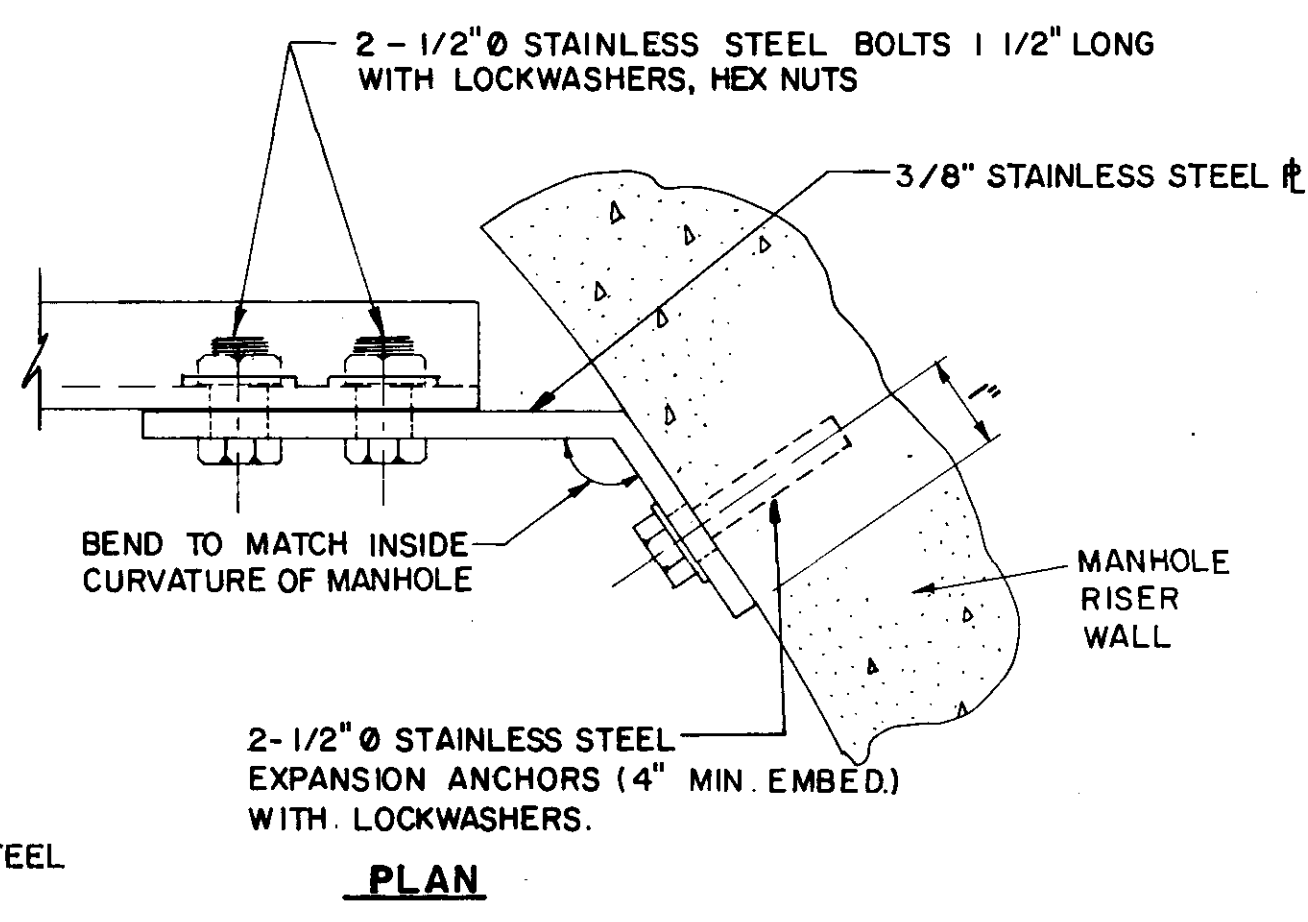
SECTION C-C
SCALE: 3/4" = 1'-0"



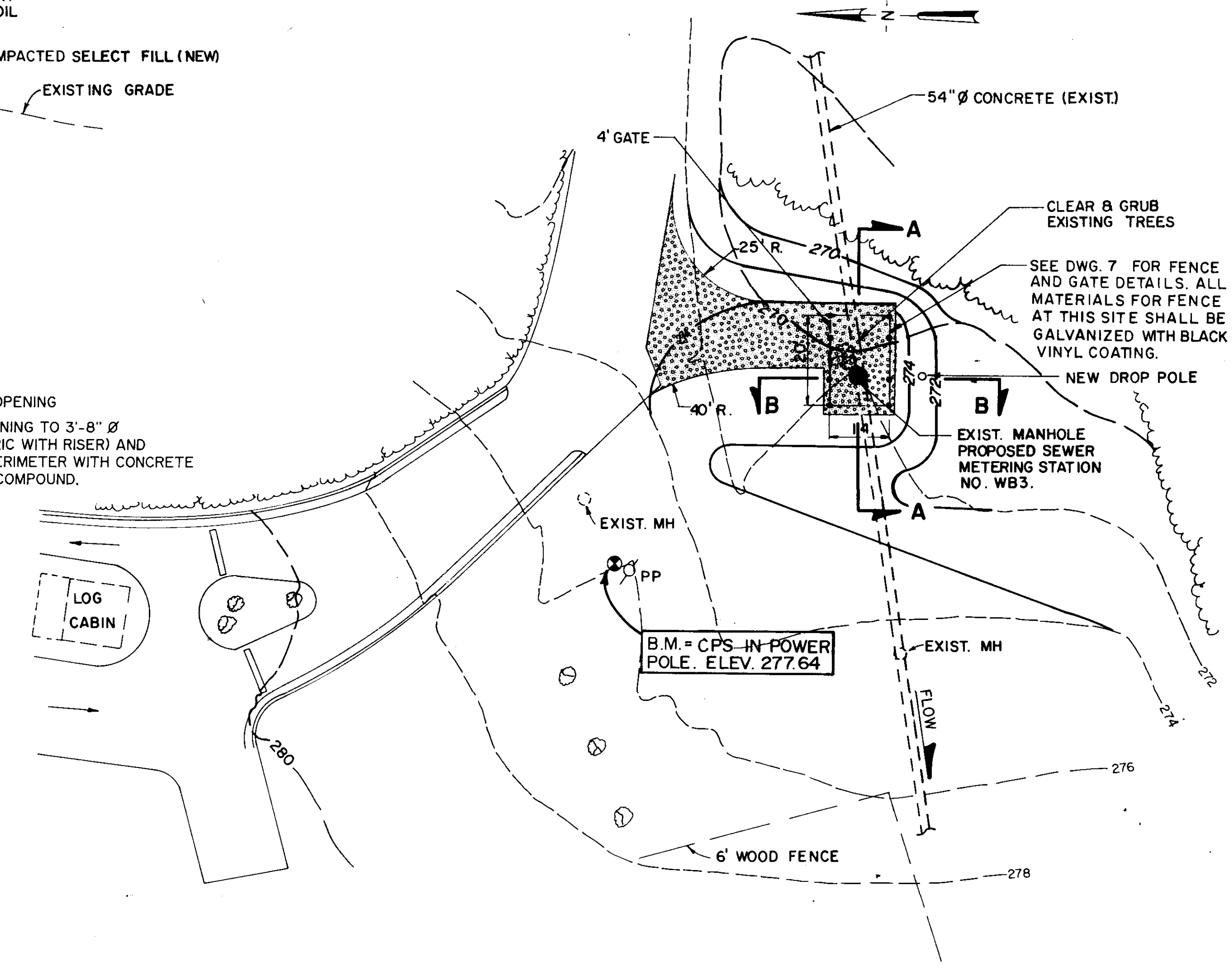
SECTION D-D
N.T.S.



ELEVATION
N.T.S.



BRACKET DETAILS
N.T.S.



SITE PLAN
SCALE: 1" = 20'

- LEGEND**
- 274 --- EXISTING CONTOURS
 - 274 — PROPOSED CONTOURS
 - ▨ GRAVEL SURFACE COURSE
 - EXISTING MANHOLE
 - ⊙ EXISTING POWER POLE
 - ⊙ PROPOSED DROP POLE
 - ⊙ EXISTING TREE
 - TREE LINE
 - PROPOSED METERING STATION
 - PROPOSED FENCE

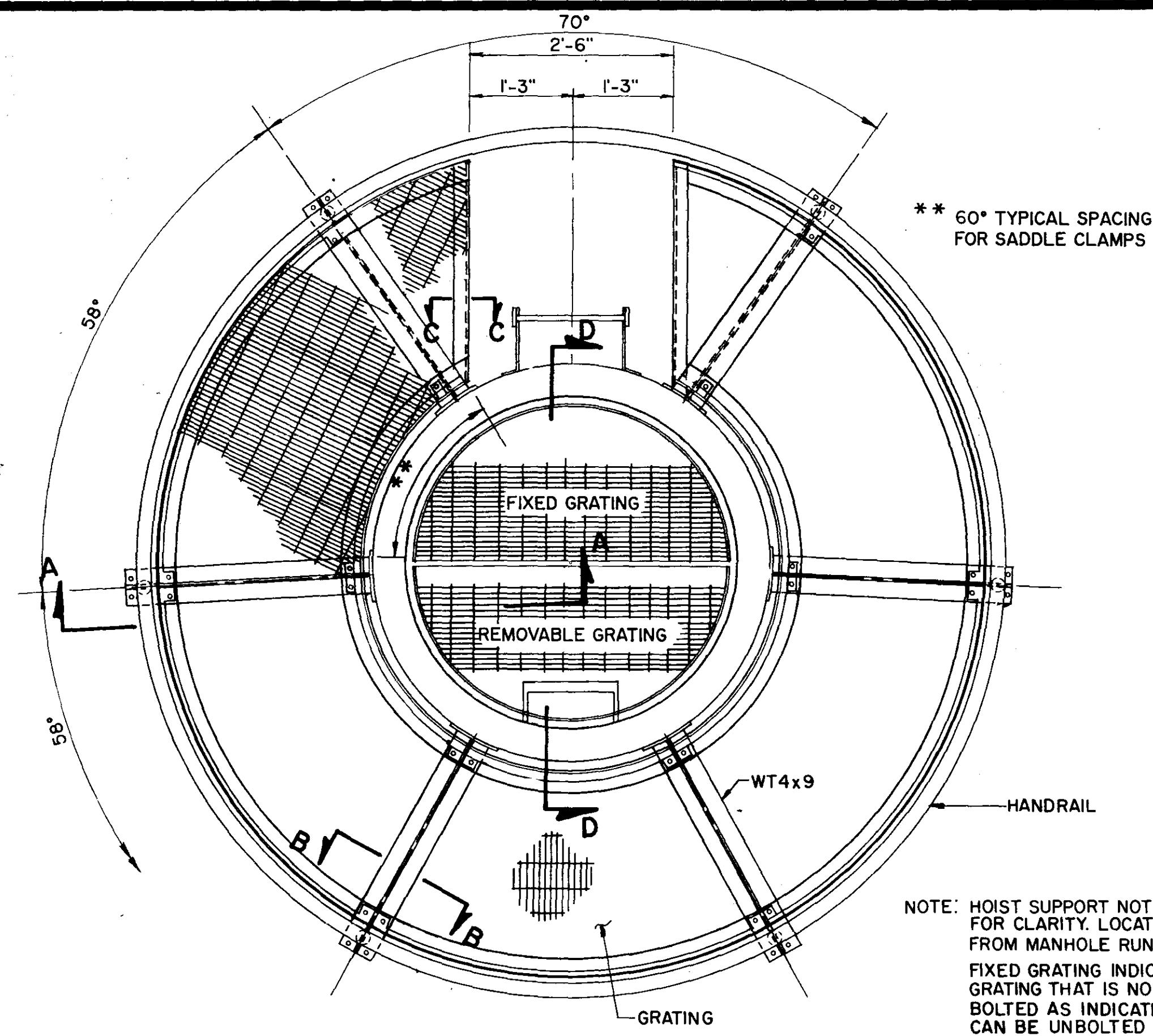
CITY OF JACKSON, MISSISSIPPI
CITY PROJECT NO. 281.5

SITE PLAN AND DETAILS
STATION NO. WB3-LAKELAND

SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM

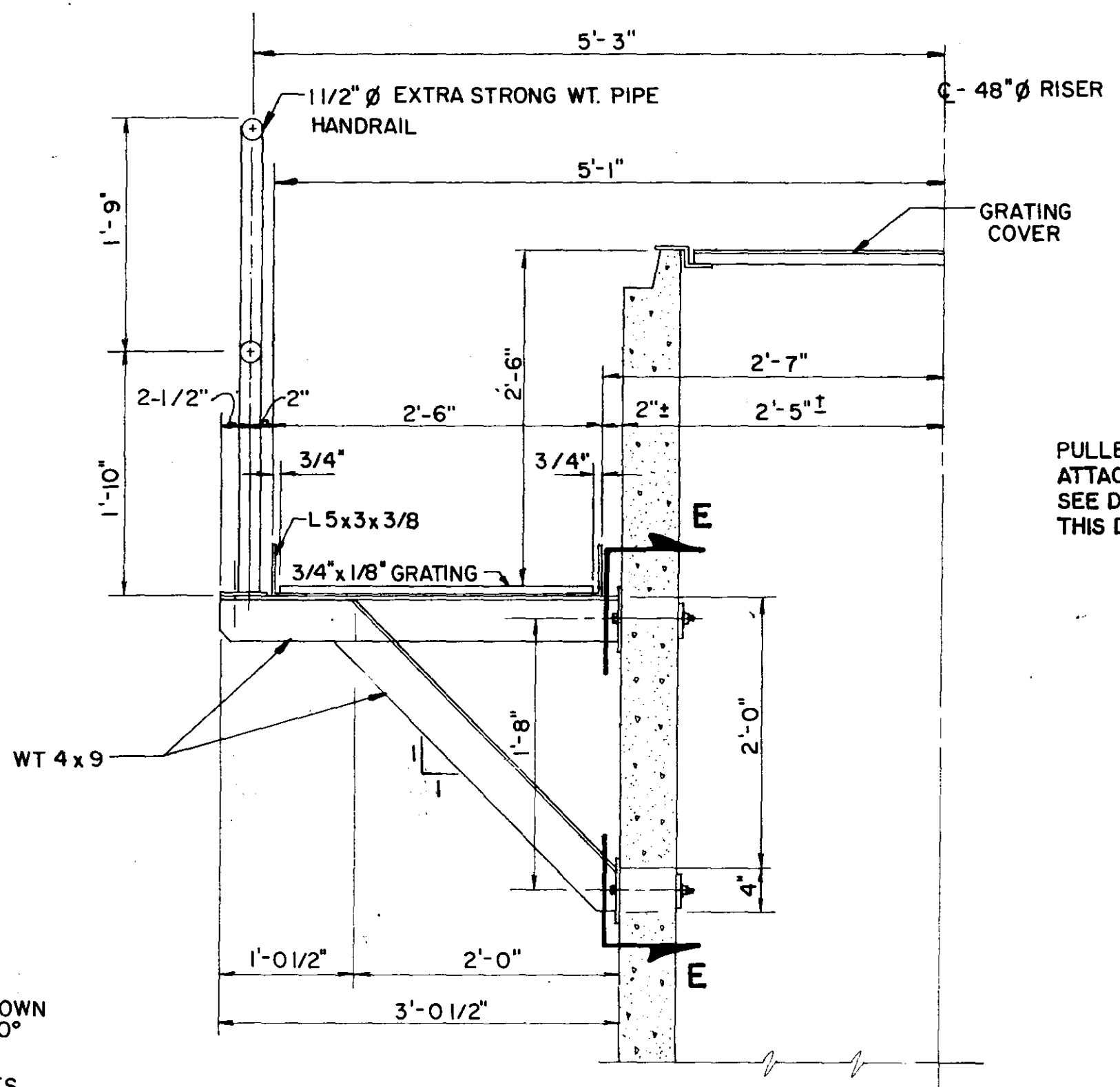
DSGN: J.L. 2-90	NEEL-SCHAFFER, INC. ENGINEERS - PLANNERS	DRAWING NO.	5 of 21
DRWN: W.A.H. 2-90	Jackson, Mississippi	SCALE: SHOWN	
CHKD: W.V.M. 2-90			

William R. McBeath, Jr.



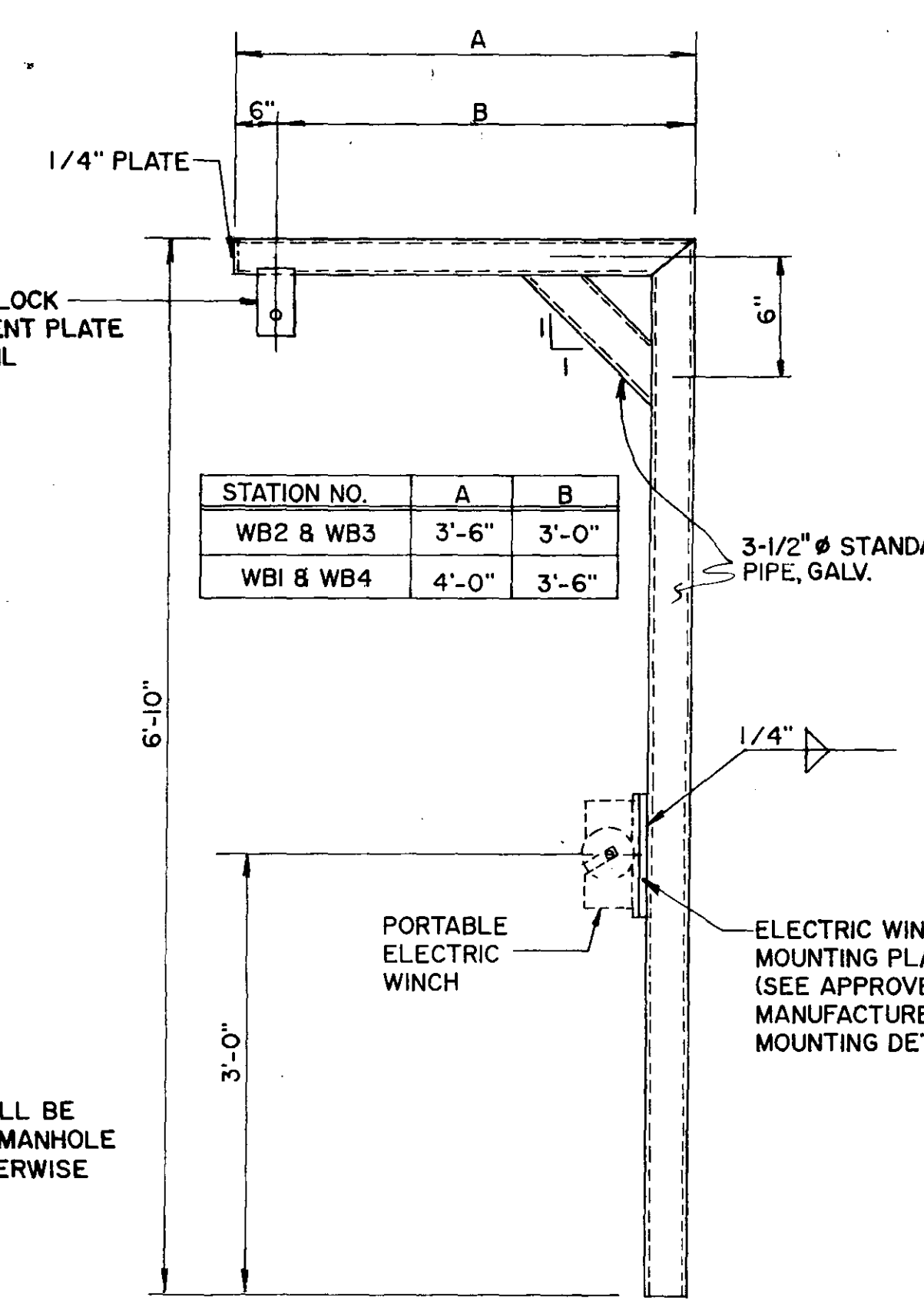
PLAN ACCESS PLATFORM
SCALE: 3/4" = 1'-0"

NOTE: HOIST SUPPORT NOT SHOWN FOR CLARITY. LOCATE 90° FROM MANHOLE RUNGS. FIXED GRATING INDICATES GRATING THAT IS NORMALLY BOLTED AS INDICATED. GRATING CAN BE UNBOLTED AND REMOVED AS NECESSARY. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL IS TO BE GALVANIZED. SEE SPECIFICATION

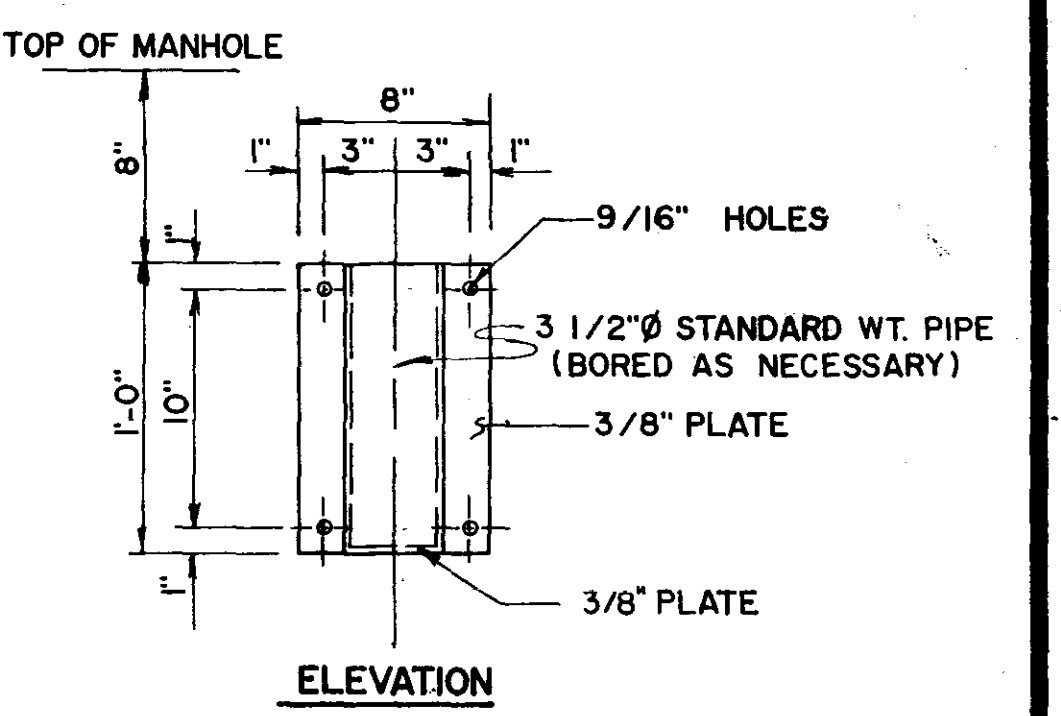
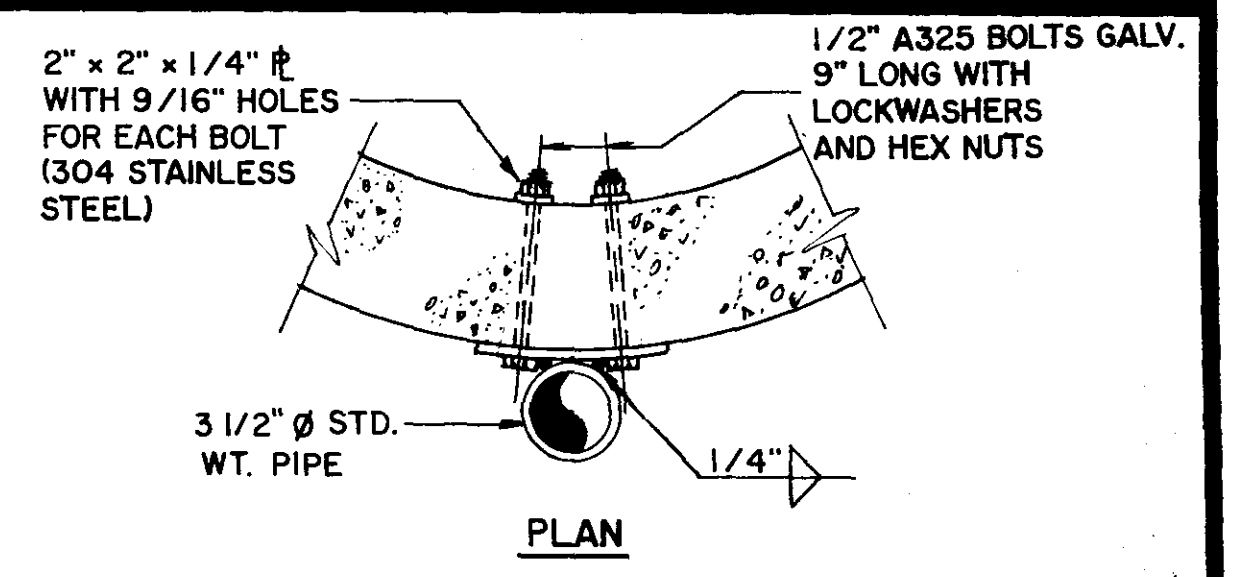


SECTION A-A
SCALE: 1" = 1'-0"

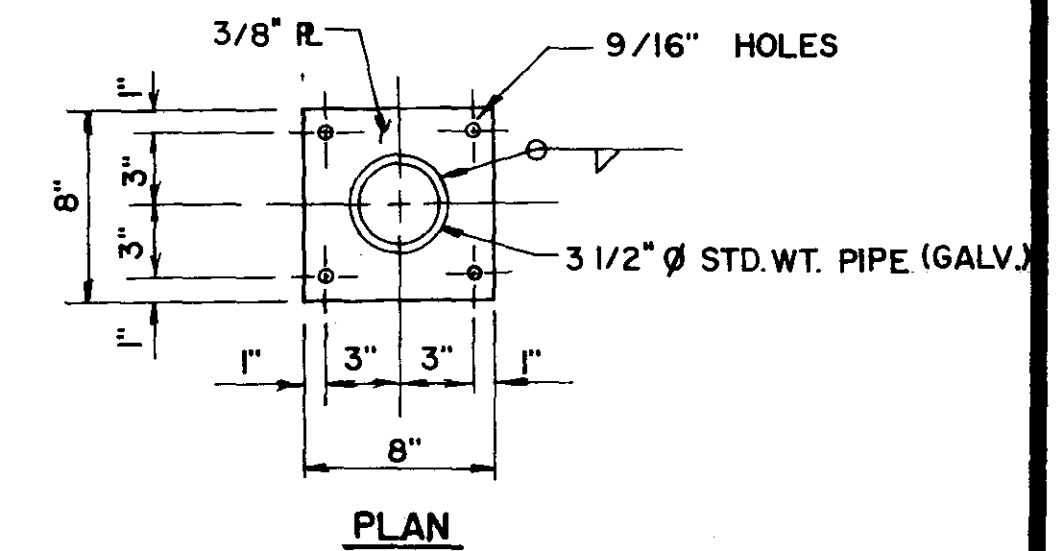
NOTE: HOIST SUPPORT SHALL BE LOCATED 90° FROM MANHOLE RUNGS UNLESS OTHERWISE NOTED.



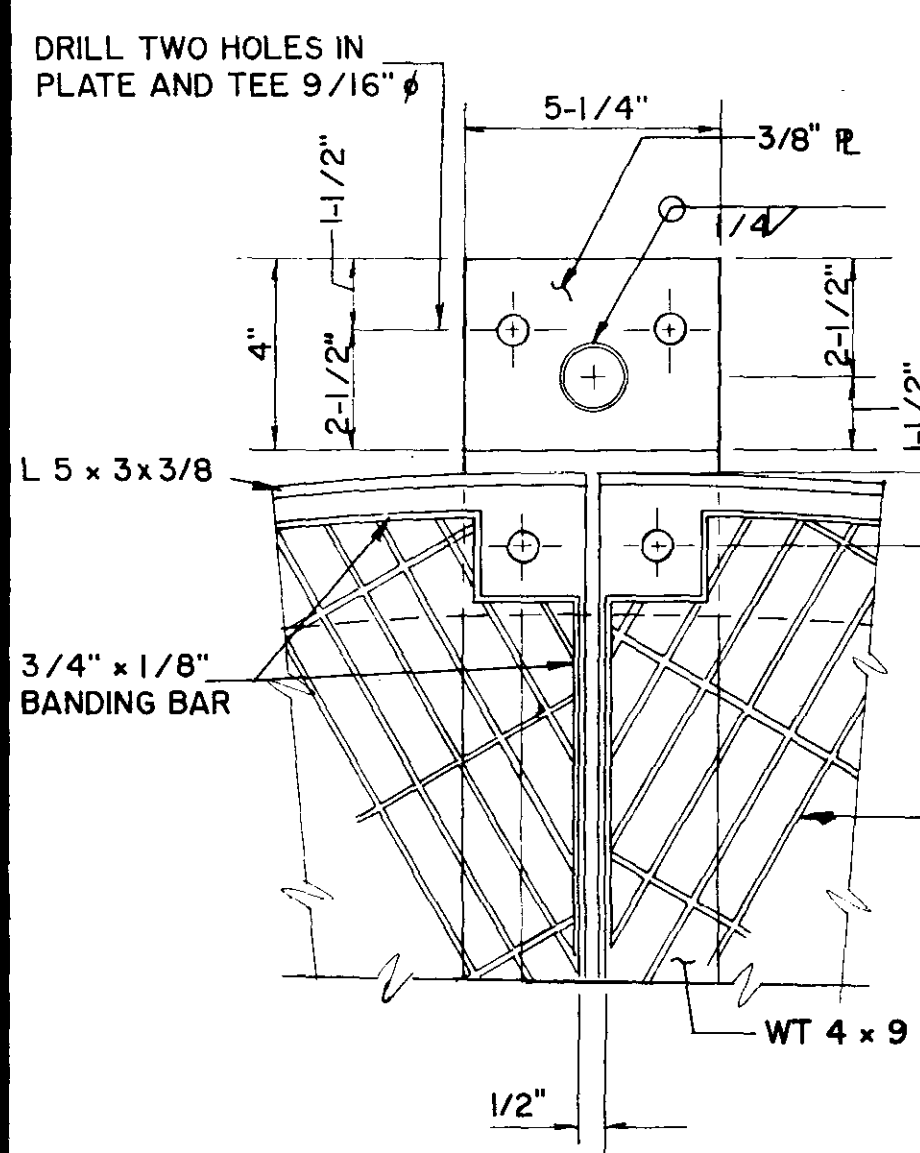
HOIST DETAIL
N.T.S.



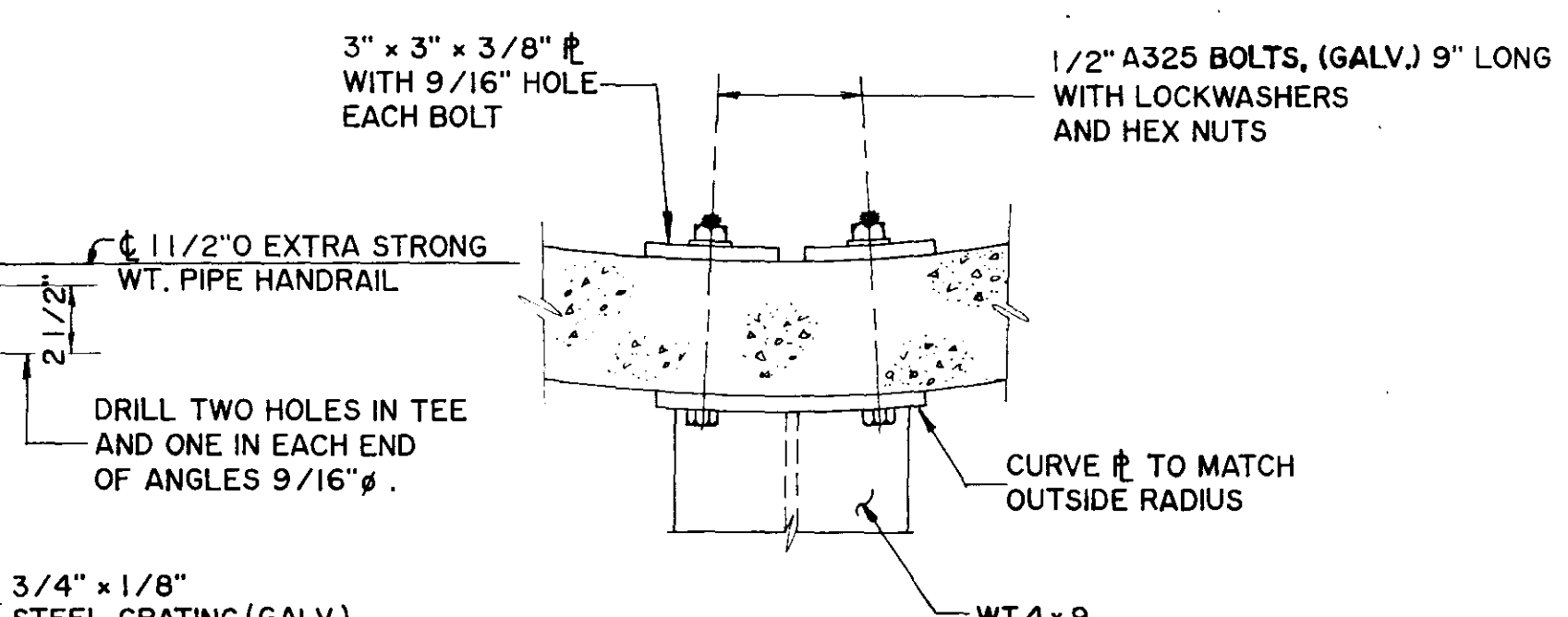
TYPE "A" HOIST FRAME DETAIL
N.T.S.



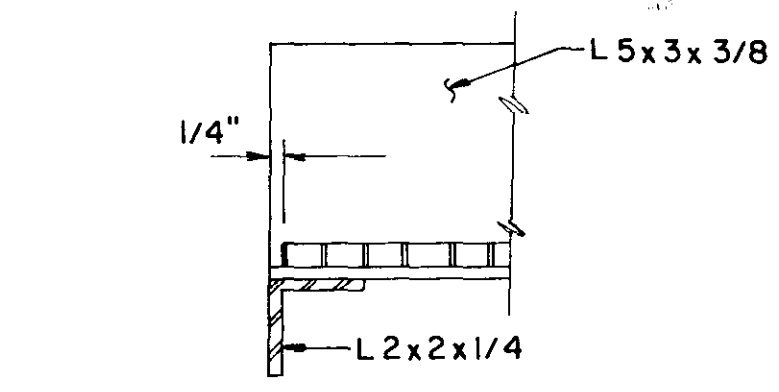
TYPE "A" HOIST FRAME DETAIL
N.T.S.



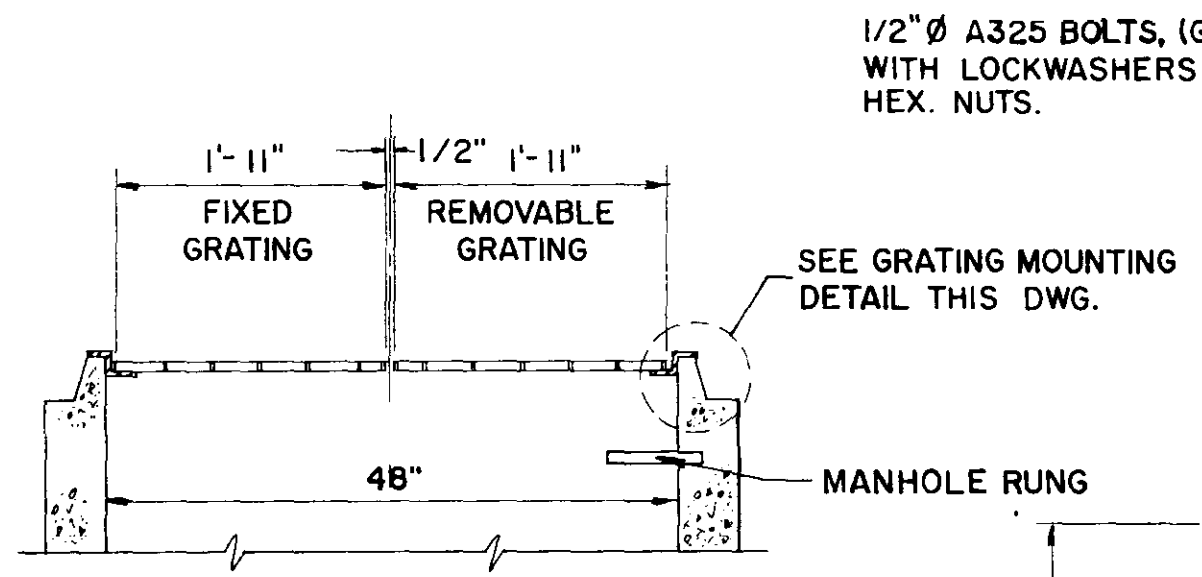
SECTION B - B
SCALE: 3" = 1'-0"



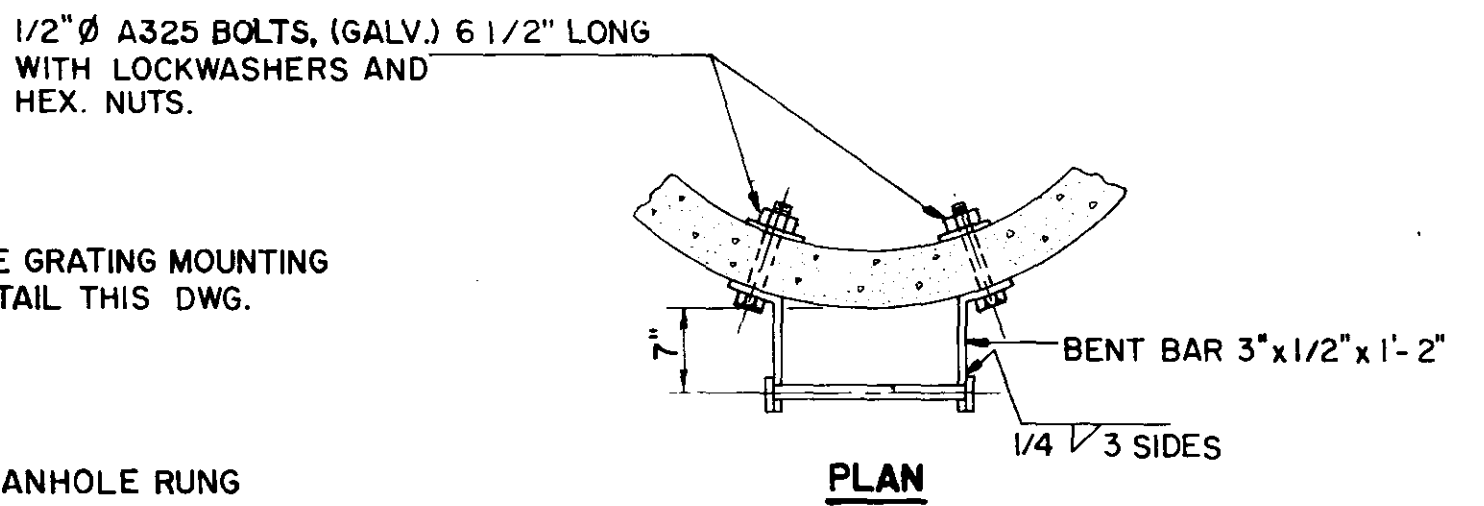
SECTION C - C
SCALE: 3" = 1'-0"



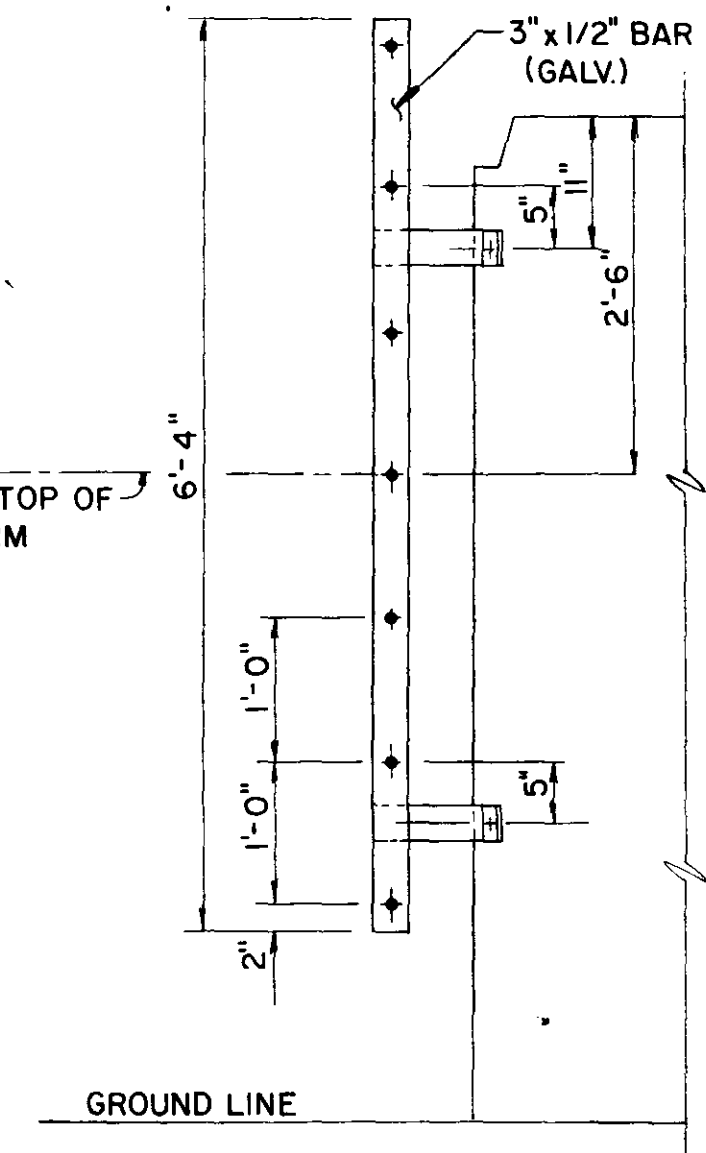
SECTION D - D
SCALE: 3/4" = 1'-0"



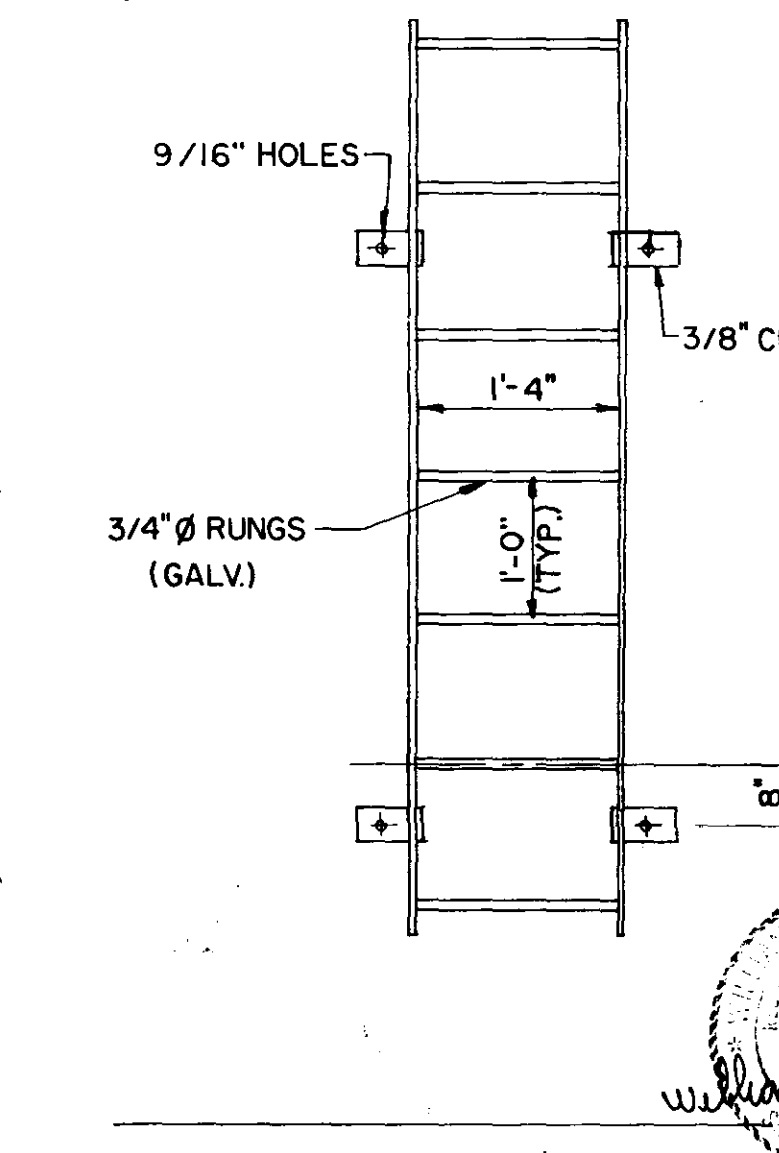
GRATING MOUNTING DETAIL
N.T.S.



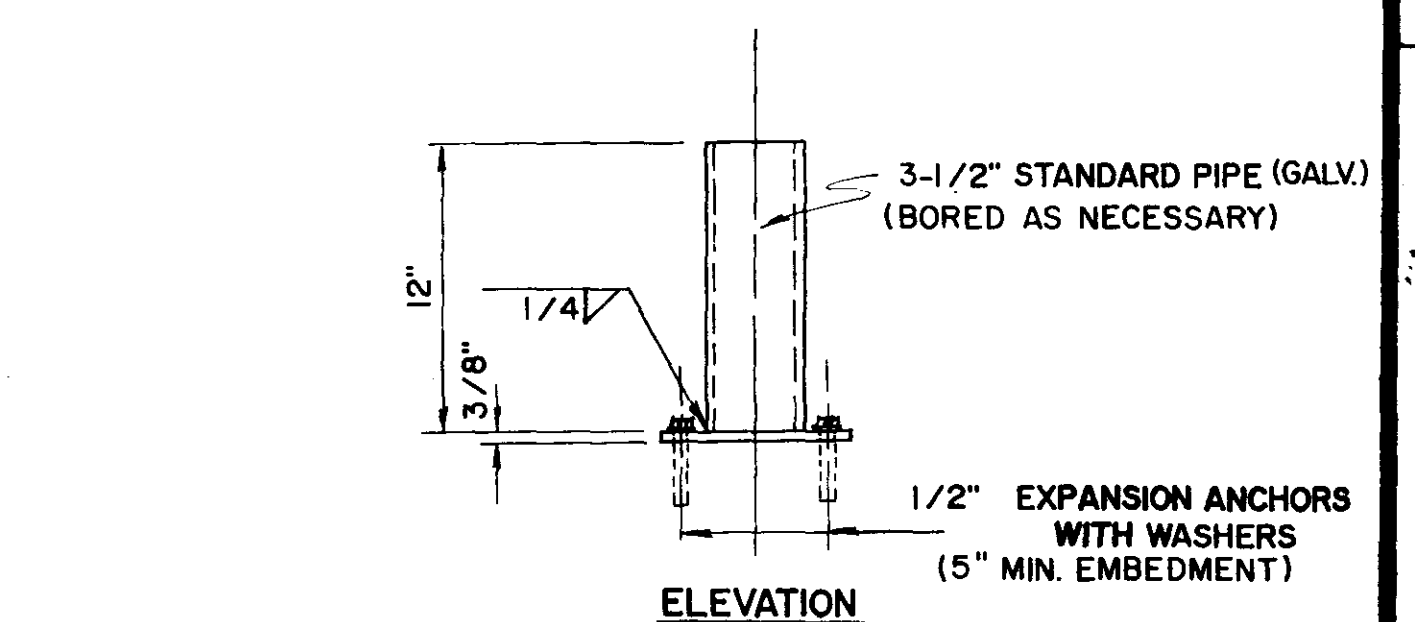
LADDER DETAIL
N.T.S.



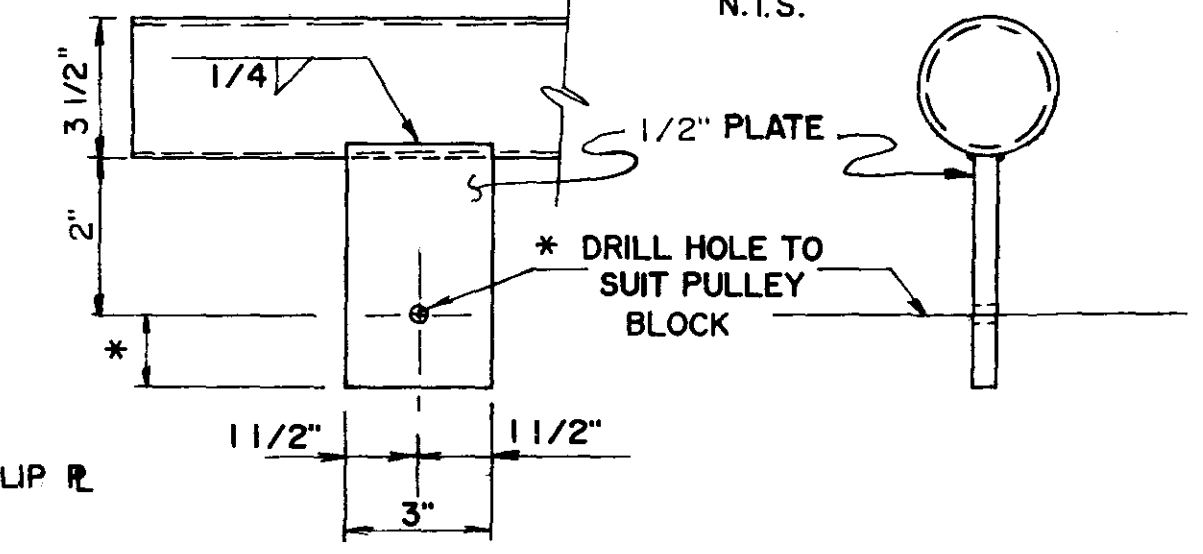
SIDE VIEW



FRONT VIEW

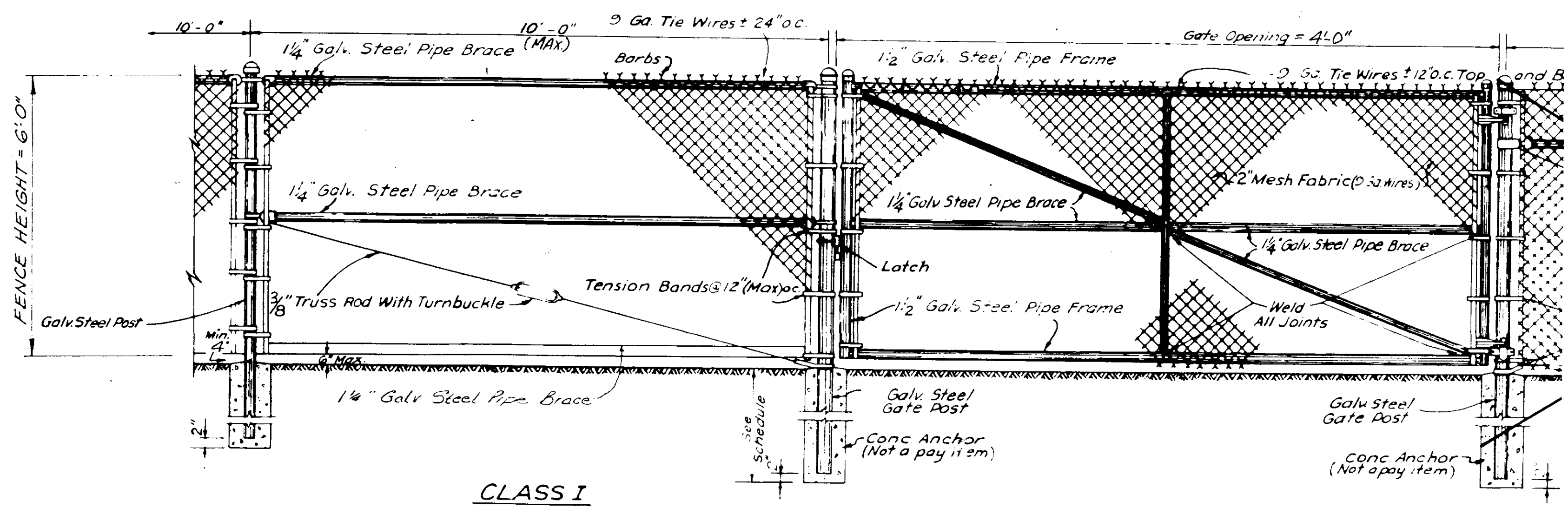


TYPE "B" HOIST FRAME DETAIL
N.T.S.



PULLEY BRACKET DETAIL
N.T.S.

CITY OF JACKSON, MISSISSIPPI
CITY PROJECT NO. 2815
MISCELLANEOUS DETAILS
STATION NO. WB3 - LAKELAND
SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM

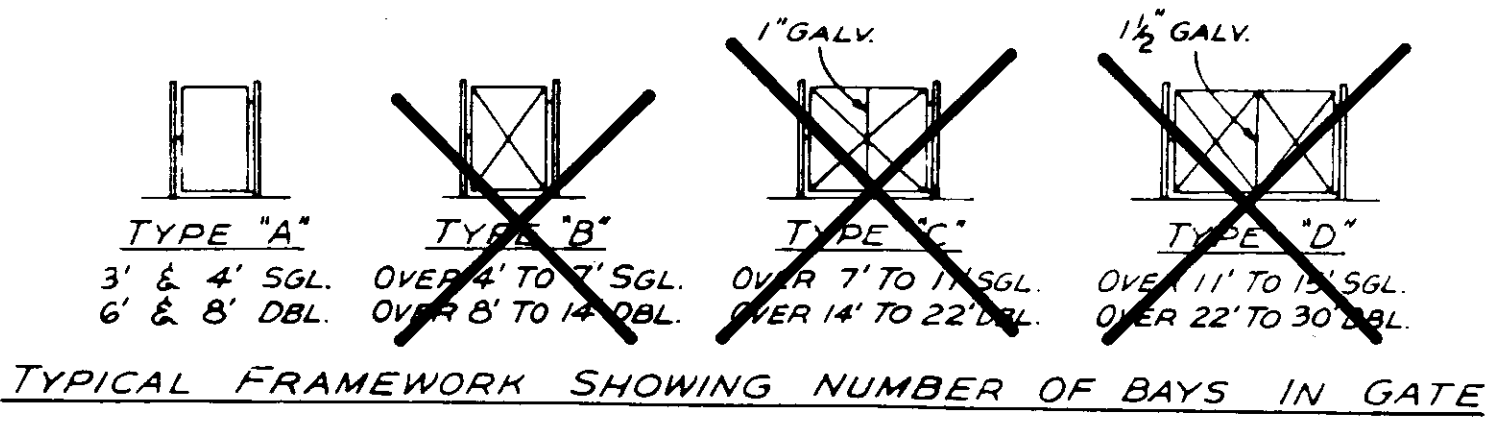


GENERAL NOTES
 Steel Post, Steel Braces and Steel Pipe Sizes Shown are Nominal, Inside Diameter Weight Per Foot and Other Dimensions are as specified for Standard Weight Pipe in the Current ASTM Designation: A120 (Schedule 40).
 All Fittings Shall Be Galvanized As Per ASTM - A 153.

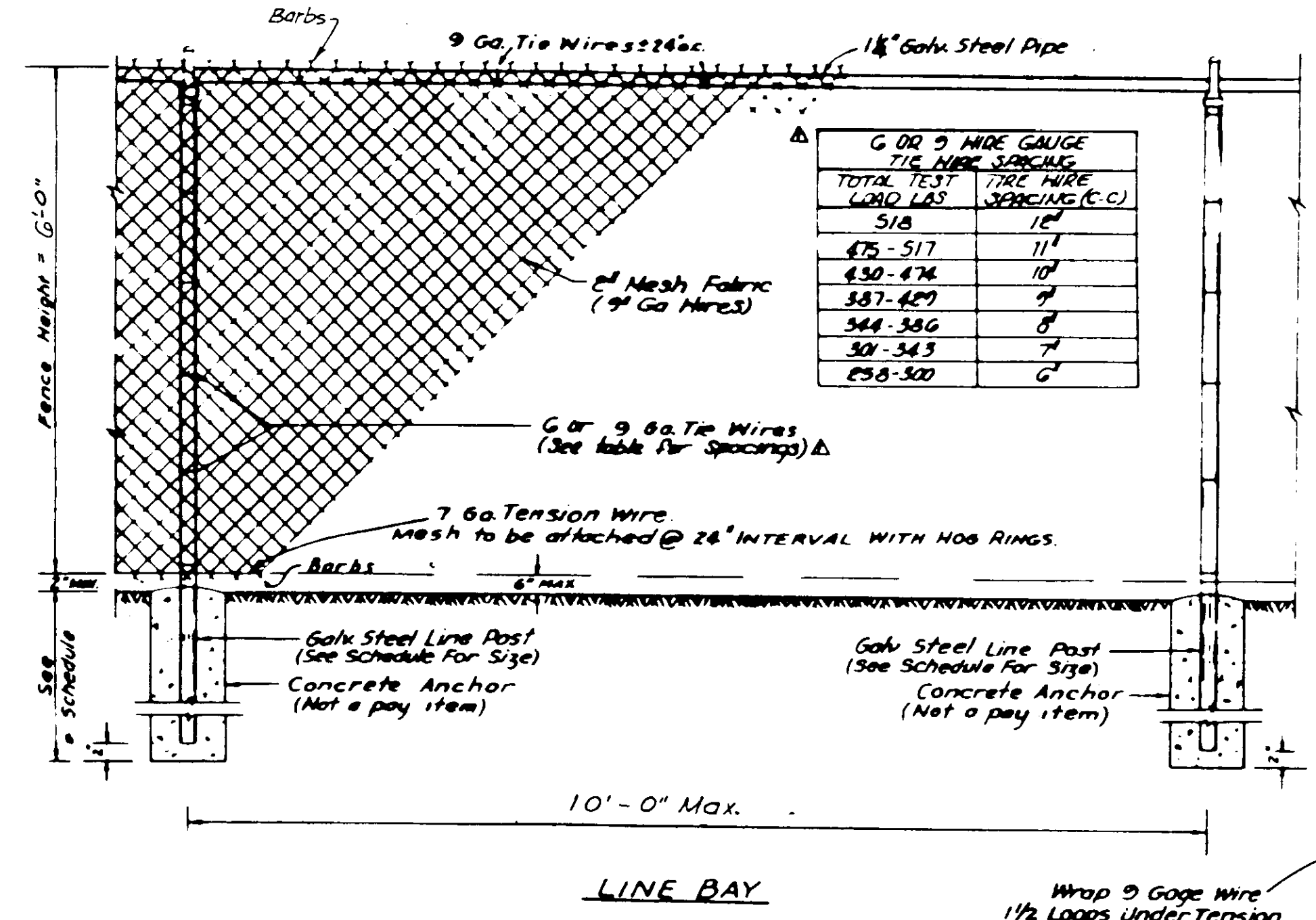
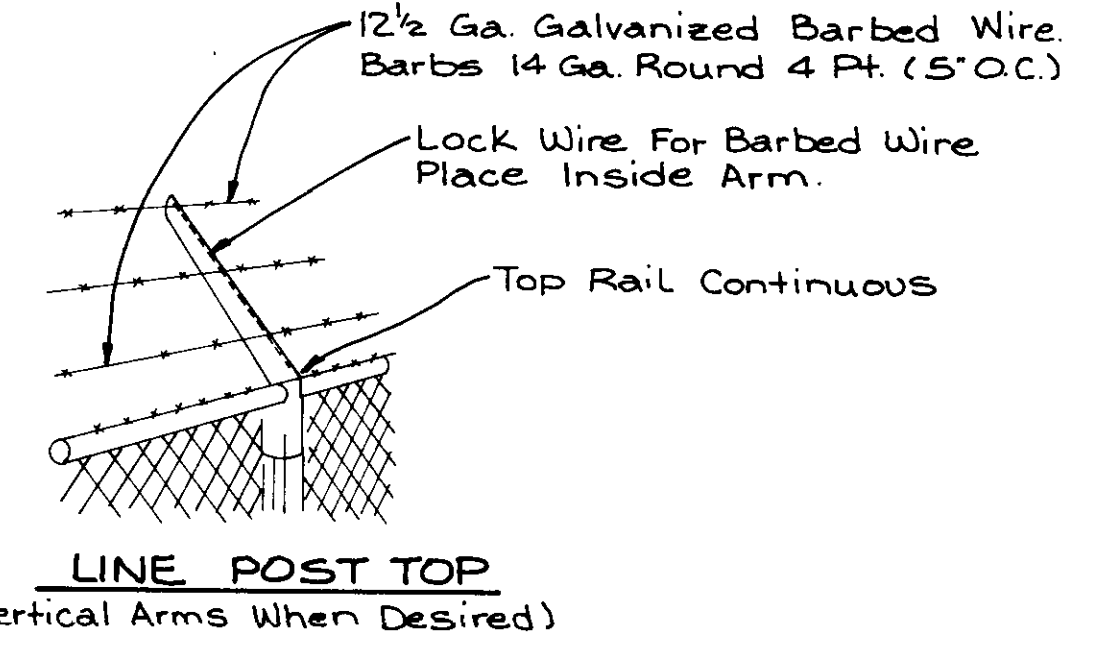
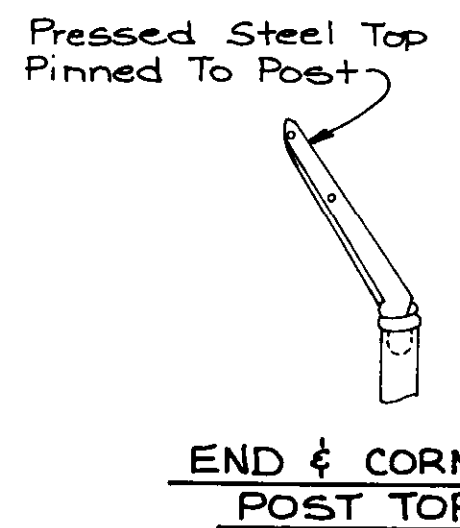
NOTE: ARMS WITH BARBED WIRE OMITTED FOR CLARITY. SEE DETAILS THIS DWG.

CLASS I

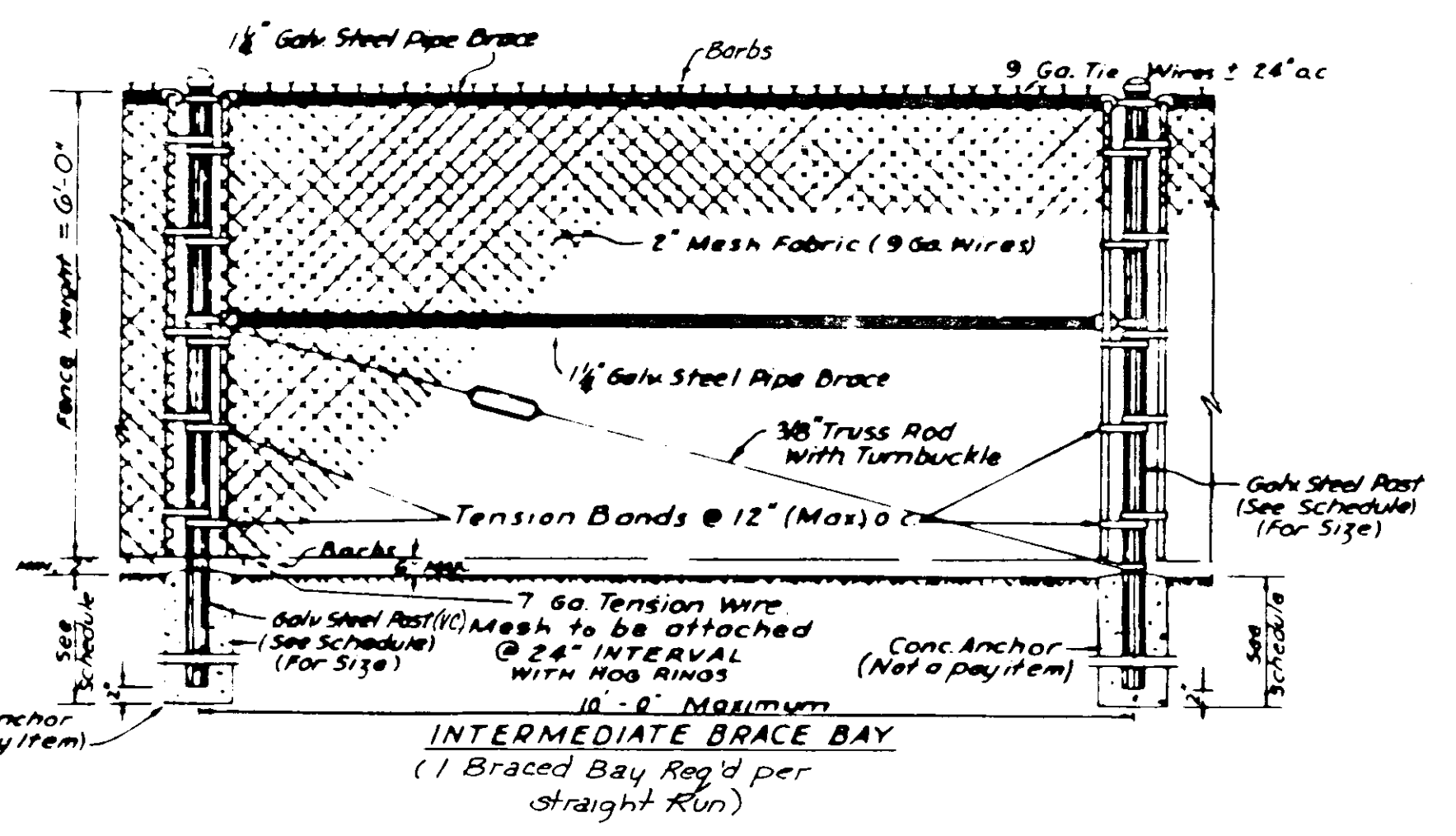
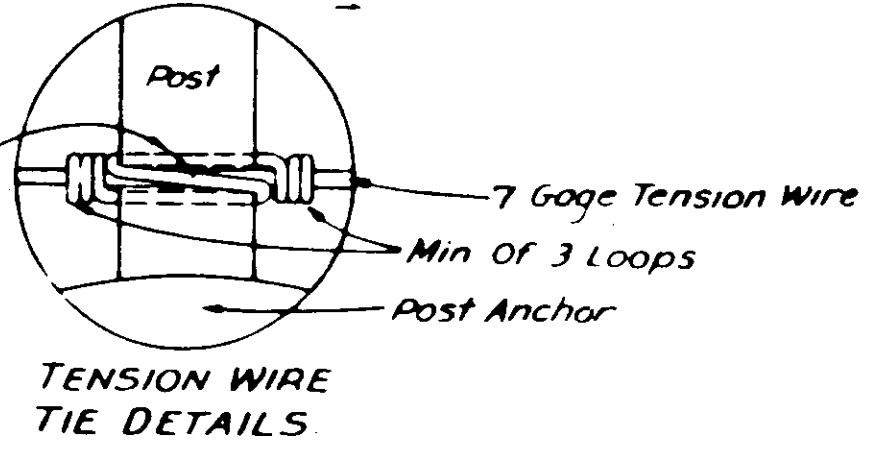
TYPICAL SINGLE SWING GATE FOR CHAIN LINK FENCE



GATE OPENING	POST SCHEDULE								
	POST TYPE & MIN. SIZE								
	ROUND		1" BEAM		C" BEAM				
SIZE	WEIGHT	SIZE	WEIGHT	SIZE	WEIGHT	HOLE DIA.	HOLE DEPTH	POST DEPTH	
UP TO 6' SINGLE	2 1/8"	5.79	3.00	5.70	3.50	5.14	12"	40"	34"
UP TO 12' DOUBLE	2 7/8"	LBS./L.F.	2.375	LBS./L.F.	2.50	LBS./L.F.			
OVER 6' TO 13' SINGLE	3 1/8"	9.11	4.00	13.00			14"	42"	34"
OVER 12' TO 20' DOUBLE	3 1/2"	LBS./L.F.	4.00	LBS./L.F.					
OVER 13' TO 18' SINGLE	6"	18.97	6.00	20.00			16"	46"	40"
OVER 20' TO 30' DOUBLE	6"	LBS./L.F.	6.00	LBS./L.F.					



V.C. - Vinyl Coated



FENCE HEIGHT	POST TYPES	POST SCHEDULE								
		MINIMUM POST SIZE								
		ROUND		1" BEAM		C" BEAM				
SIZE	WEIGHT	SIZE	WEIGHT	SIZE	WEIGHT	HOLE DIA.	HOLE DEPTH	POST DEPTH		
LESS THAN 6'	LINE	1 1/2"	2.72	1.875	2.70	1.875	2.34	7"	28"	22"
LESS THAN 6'	END, CORNER & BRACE	2"	3.65	2.25	4.10	3.50	5.14	10"	32"	28"
THRU 6'	LINE	2"	3.65	2.25	4.00	2.25	2.73	8"	27"	24"
THRU 12'	END, CORNER & BRACE	2 1/8"	5.79	3.00	5.70	3.50	5.14	12"	39"	30"

William R. McReath, Jr.

CITY OF JACKSON, MISSISSIPPI
 CITY PROJECT NO. 2815

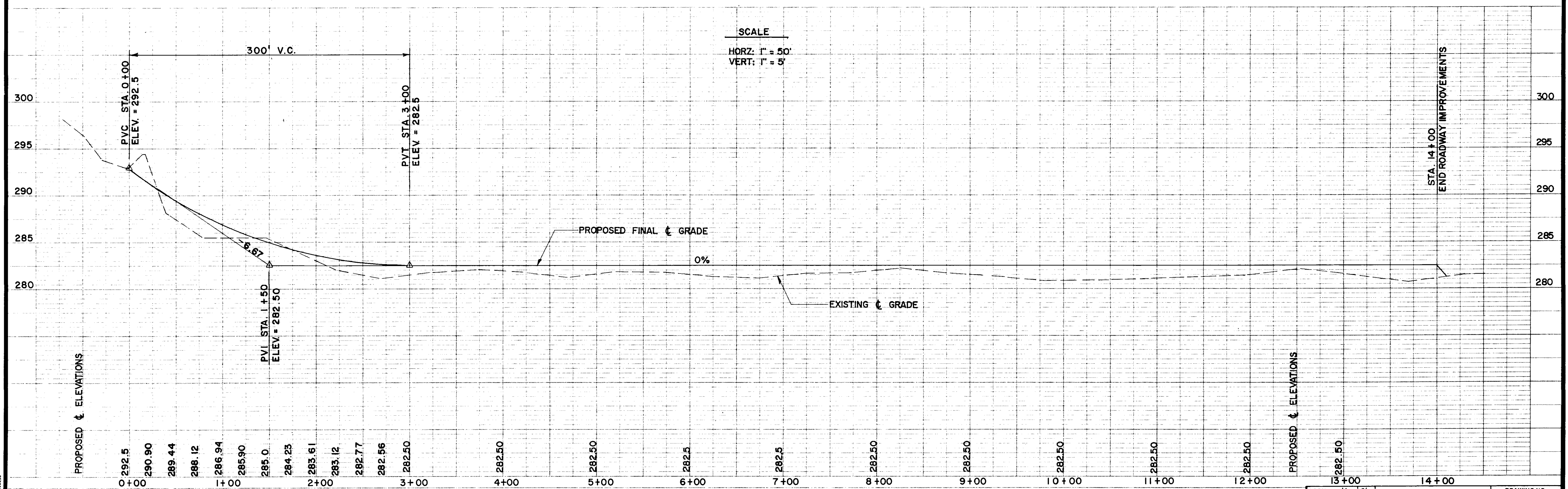
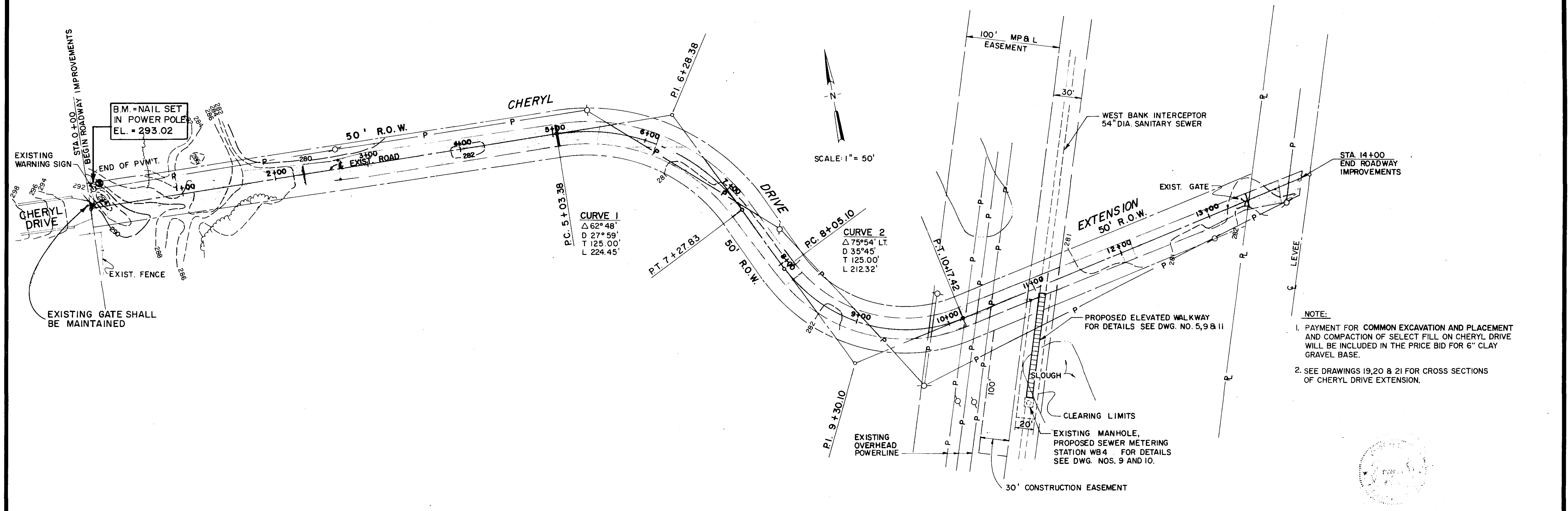
FENCE AND FENCE GATE DETAILS
 STATION NO. WB3 - LAKELAND

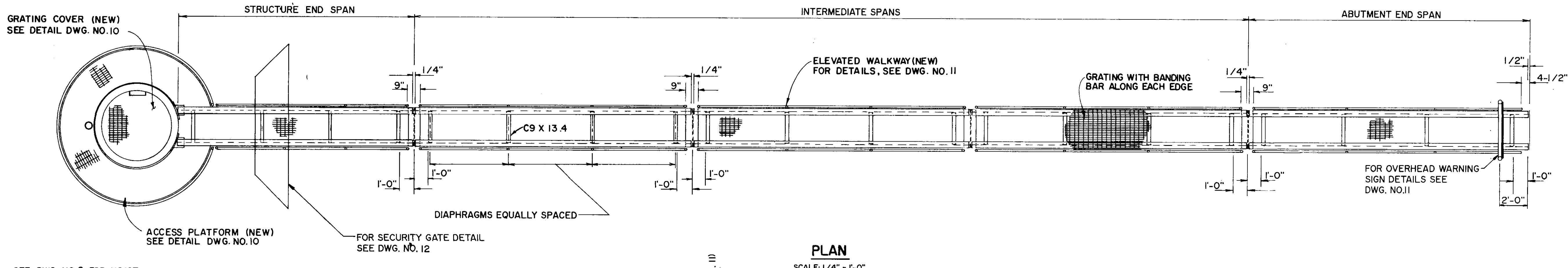
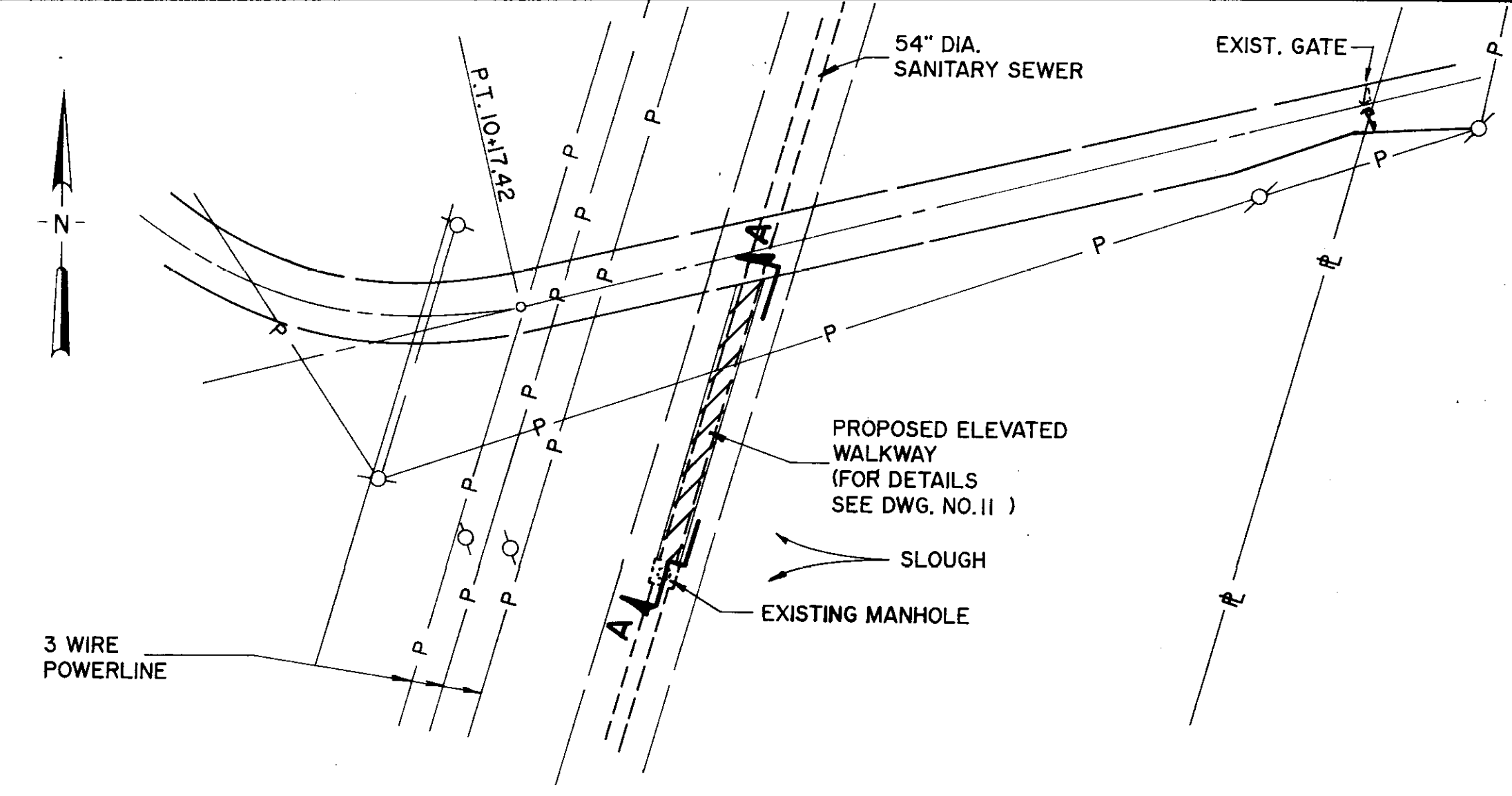
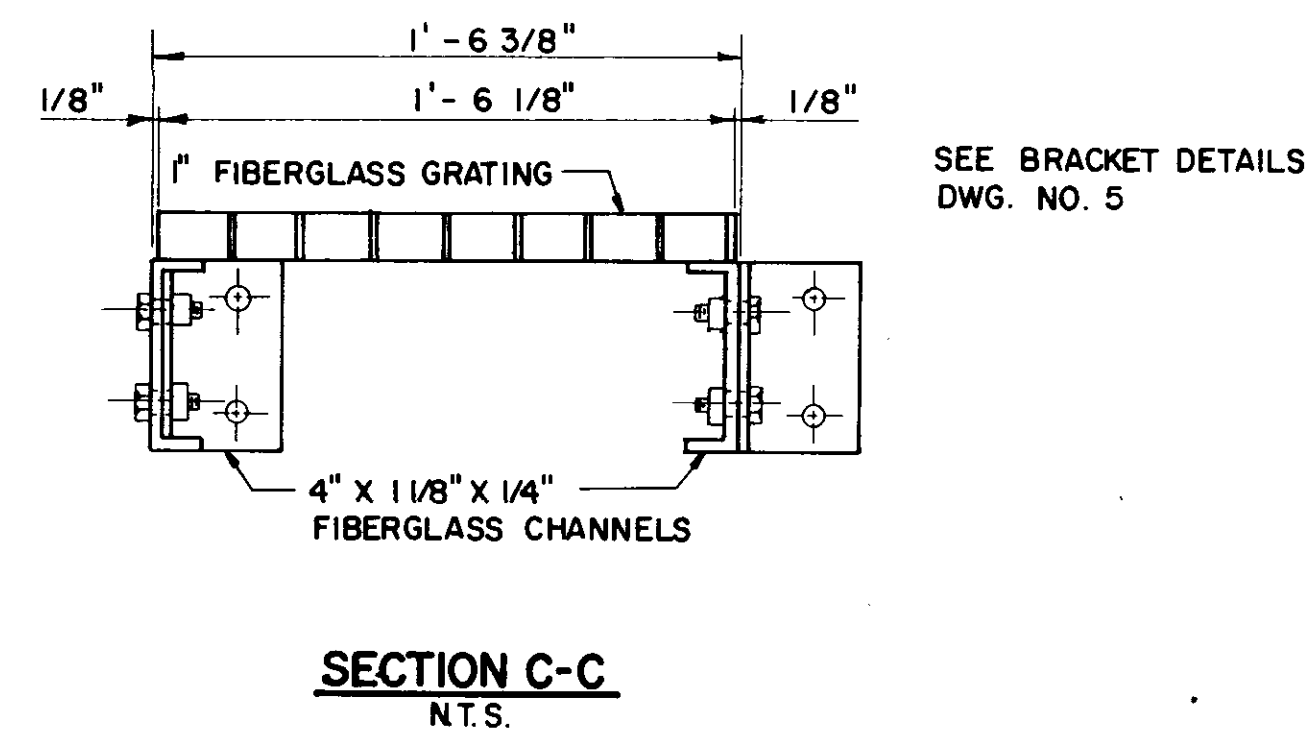
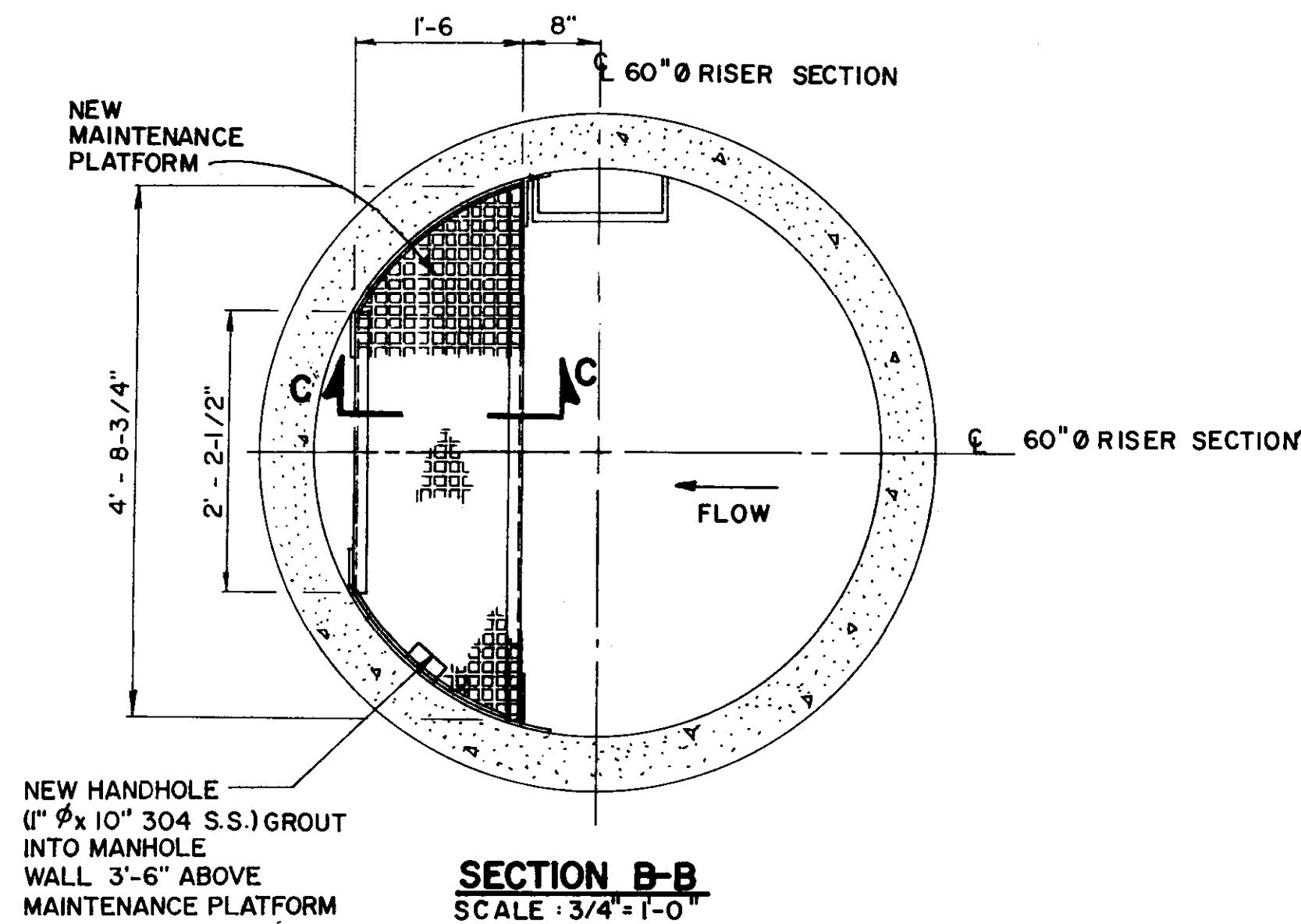
SEWER METERING STATIONS
 WEST BANK INTERCEPTOR SYSTEM

DSGN: RB 2/90
 DRWN: JM 2/90
 CHRD: WKM 2/90
 SCALE: NONE

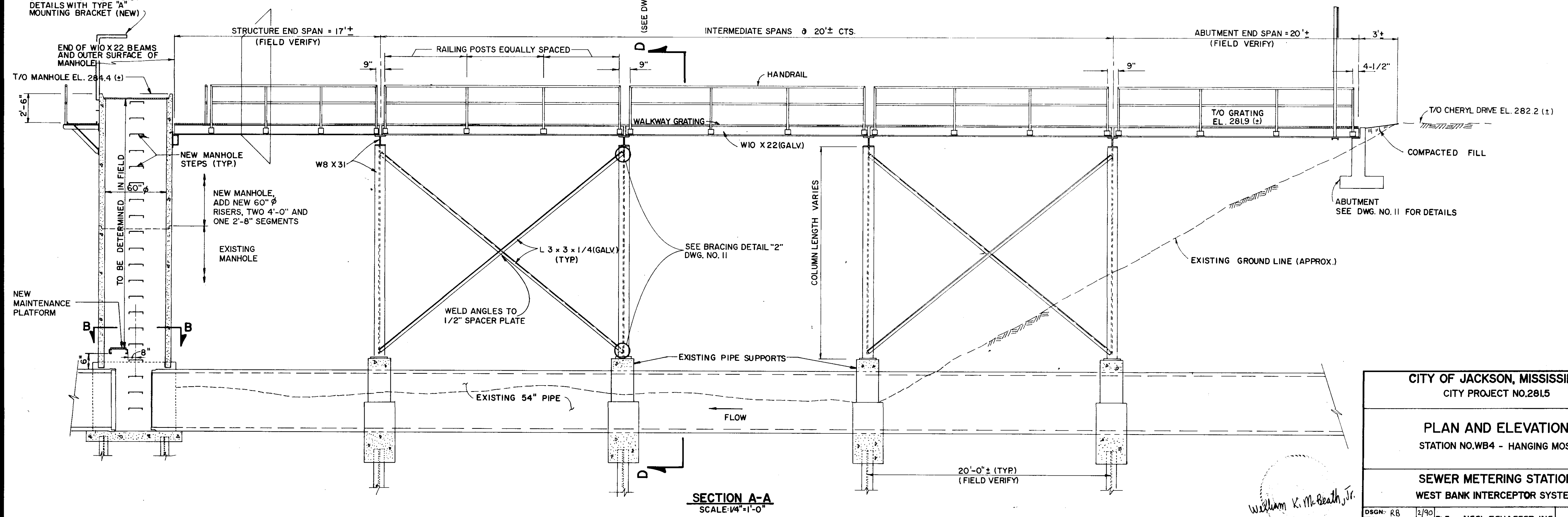
NEEL-SCHAFFER, INC.
 ENGINEERS - PLANNERS
 JACKSON, MISSISSIPPI

DRAWING NO.
 7 OF 21





- LEGEND**
- EXISTING MANHOLE
 - EXISTING POWER POLE
 - PROPERTY LINE
 - ▨ WALKWAY BRIDGE (NEW)



CITY OF JACKSON, MISSISSIPPI
CITY PROJECT NO.2815

PLAN AND ELEVATION
STATION NO.WB4 - HANGING MOSS

SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM

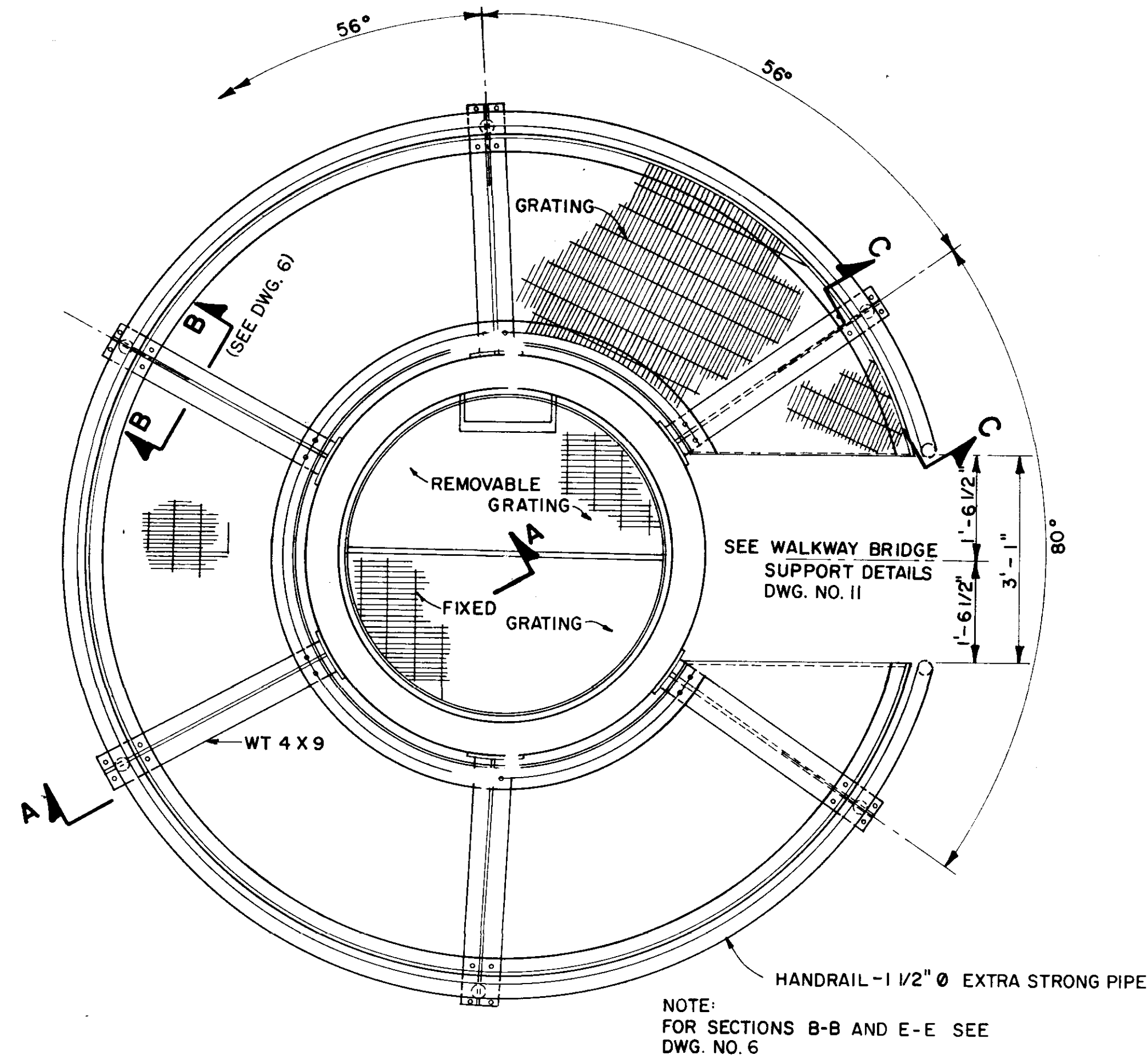
DRGN: RB 2/90
DRWN: SD 2/90
CHKD: WKM 2/90
SCALE: SHOWN

NEEL-SCHAFFER, INC.
ENGINEERS - PLANNERS
JACKSON, MISSISSIPPI

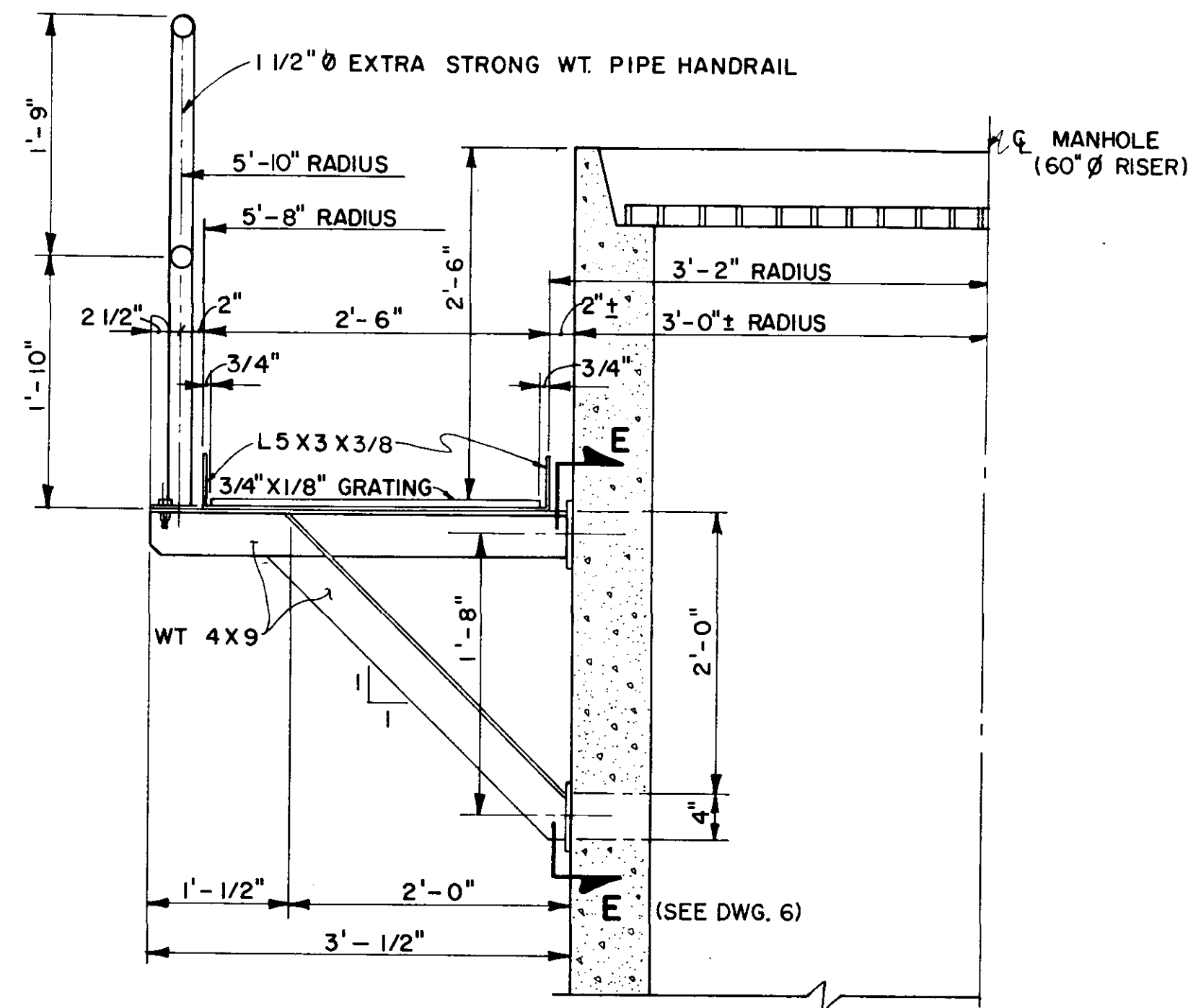
DRAWING NO.
9 OF 21

William K. McBeath, Jr.

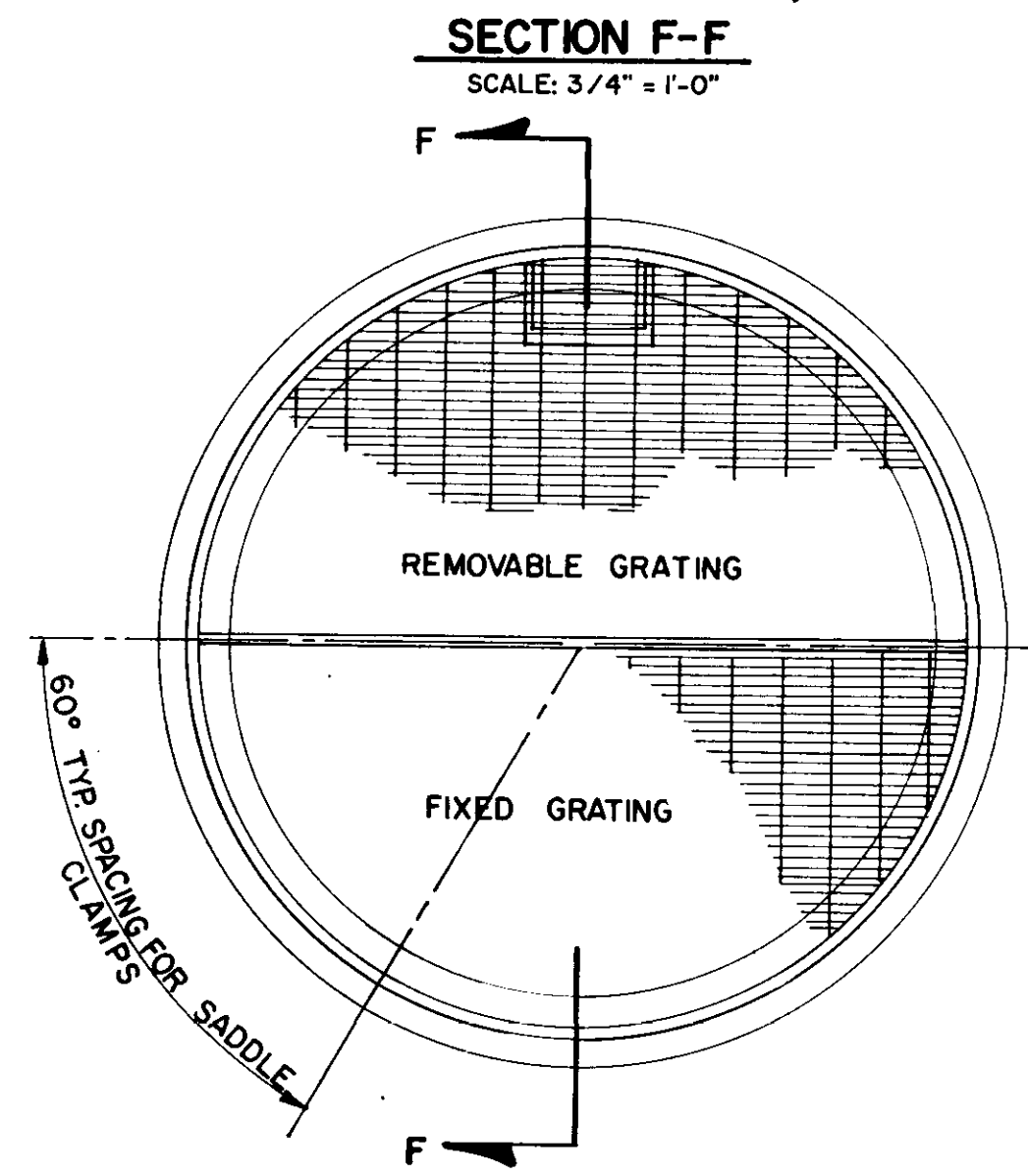
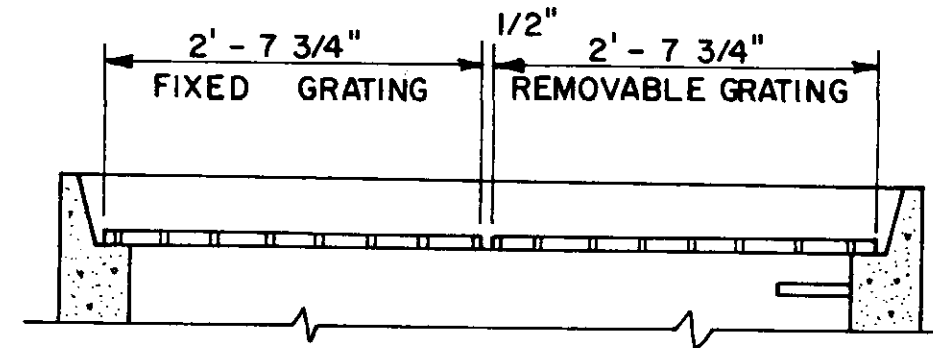
NOTE: HOIST SUPPORT NOT SHOWN FOR CLARITY. LOCATE OPPOSITE FROM WALKWAY BRIDGE. FIXED GRATING INDICATES GRATING THAT IS NORMALLY BOLTED AS INDICATED. GRATING CAN BE UNBOLTED AND REMOVED AS NECESSARY.



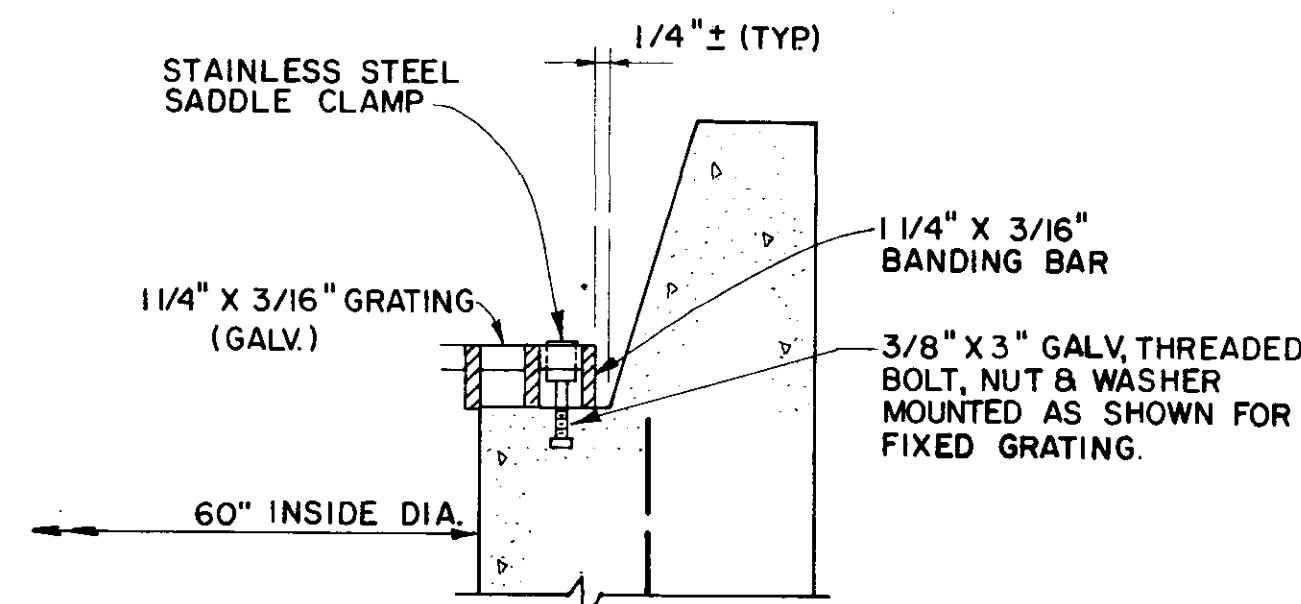
PLAN ACCESS PLATFORM
N.T.S.



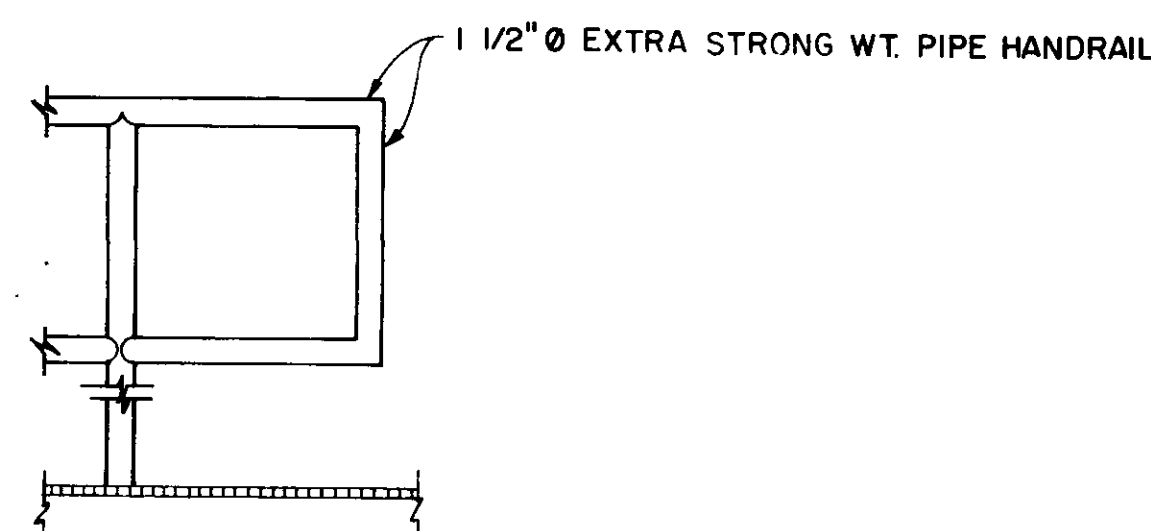
SECTION A-A
SCALE: 1" = 1'-0"



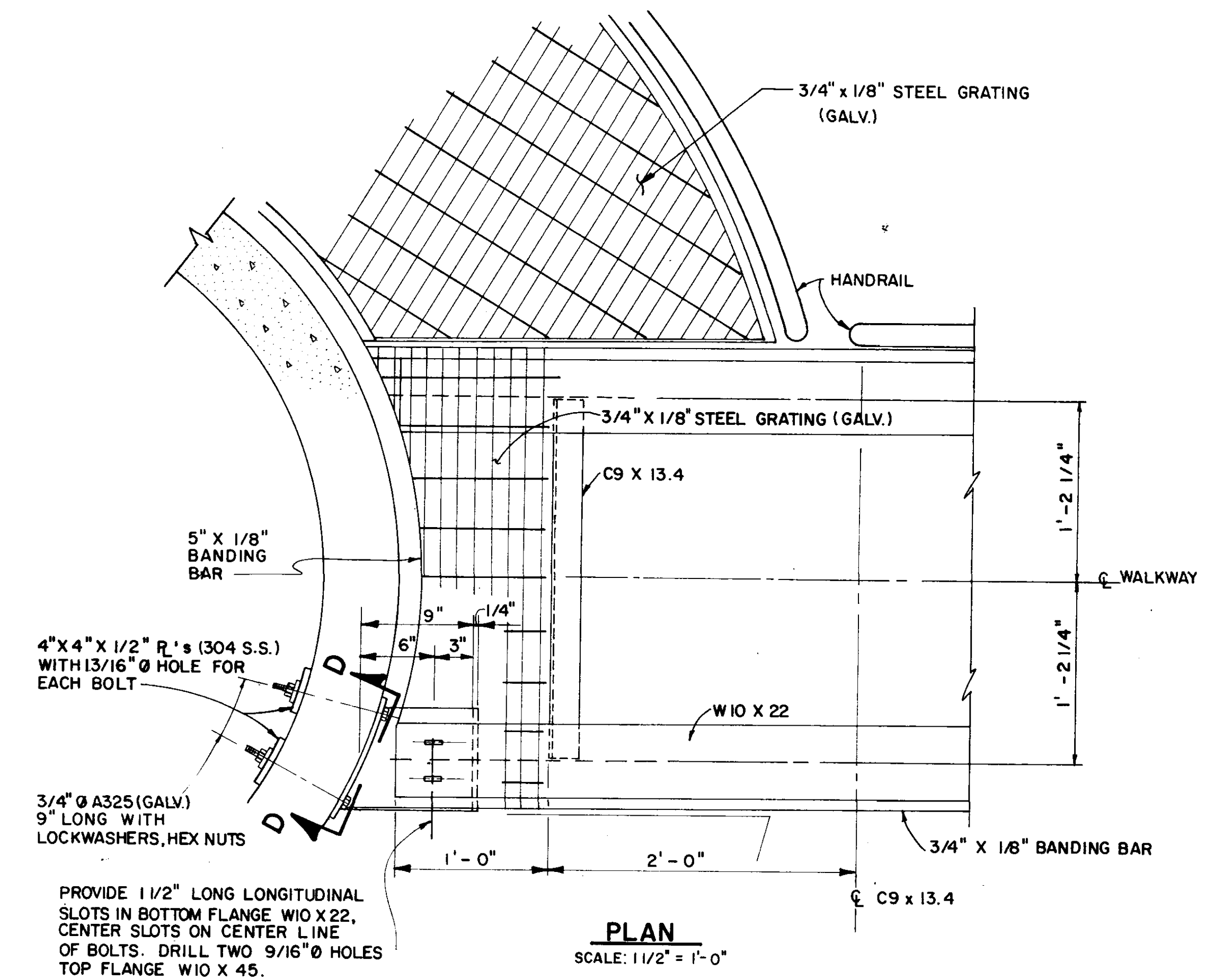
PLAN - GRATING COVER
SCALE: 3/4" = 1'-0"



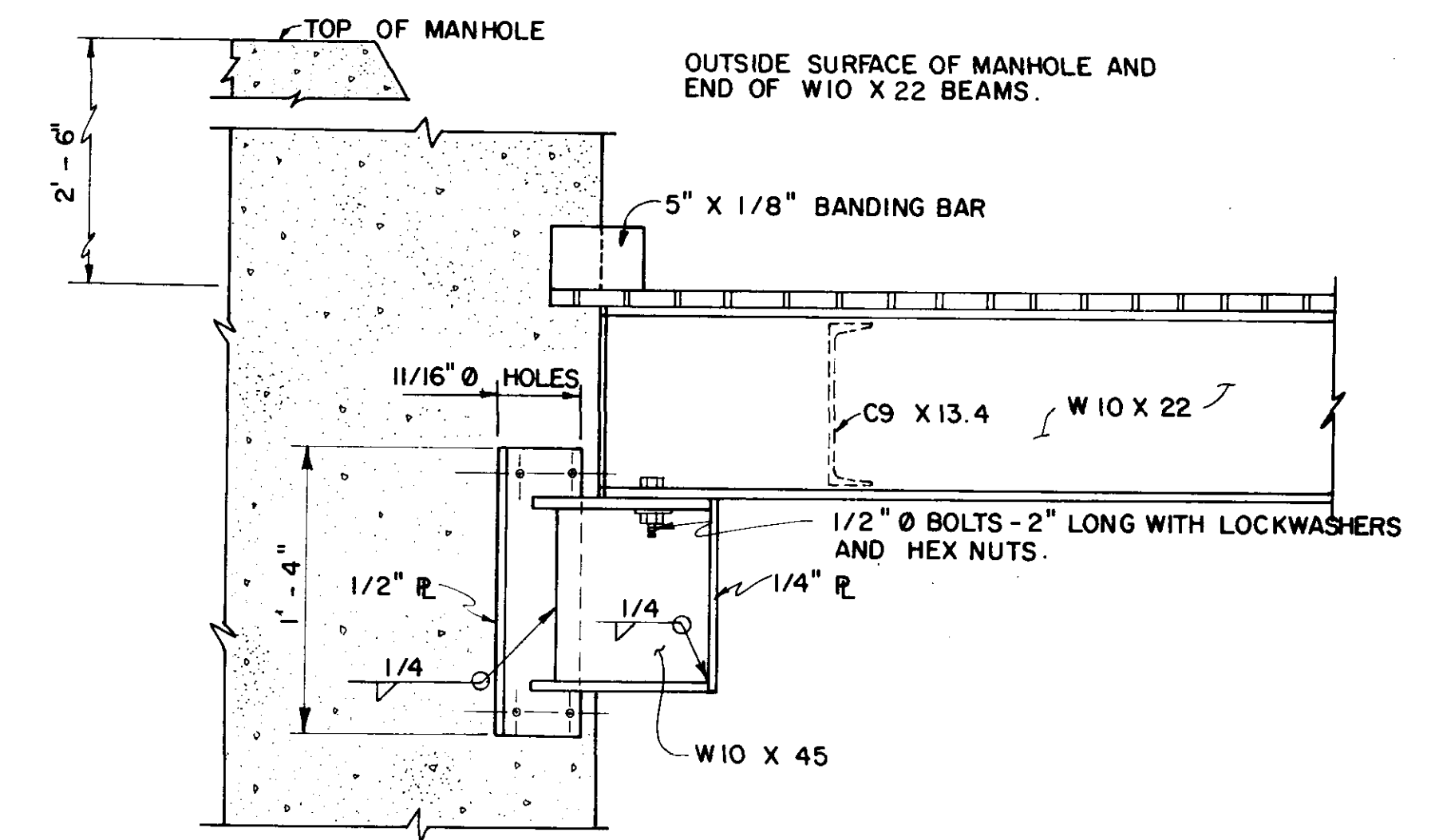
GRATING MOUNTING DETAIL
N.T.S.



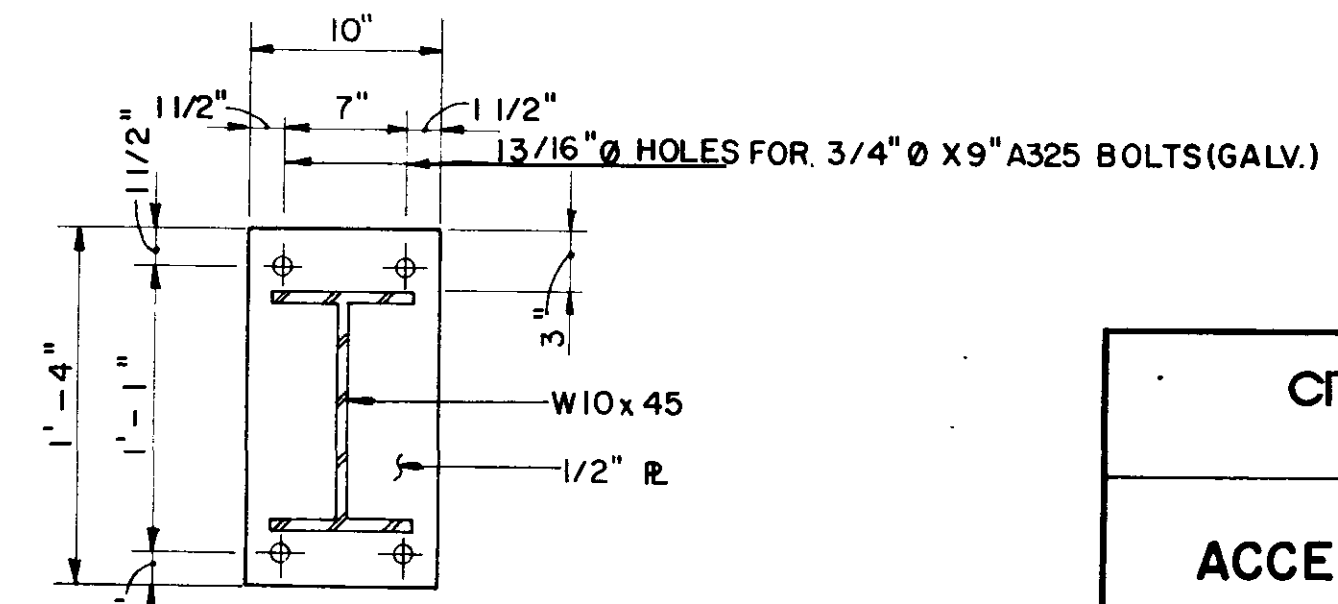
SECTION C-C
N.T.S.



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



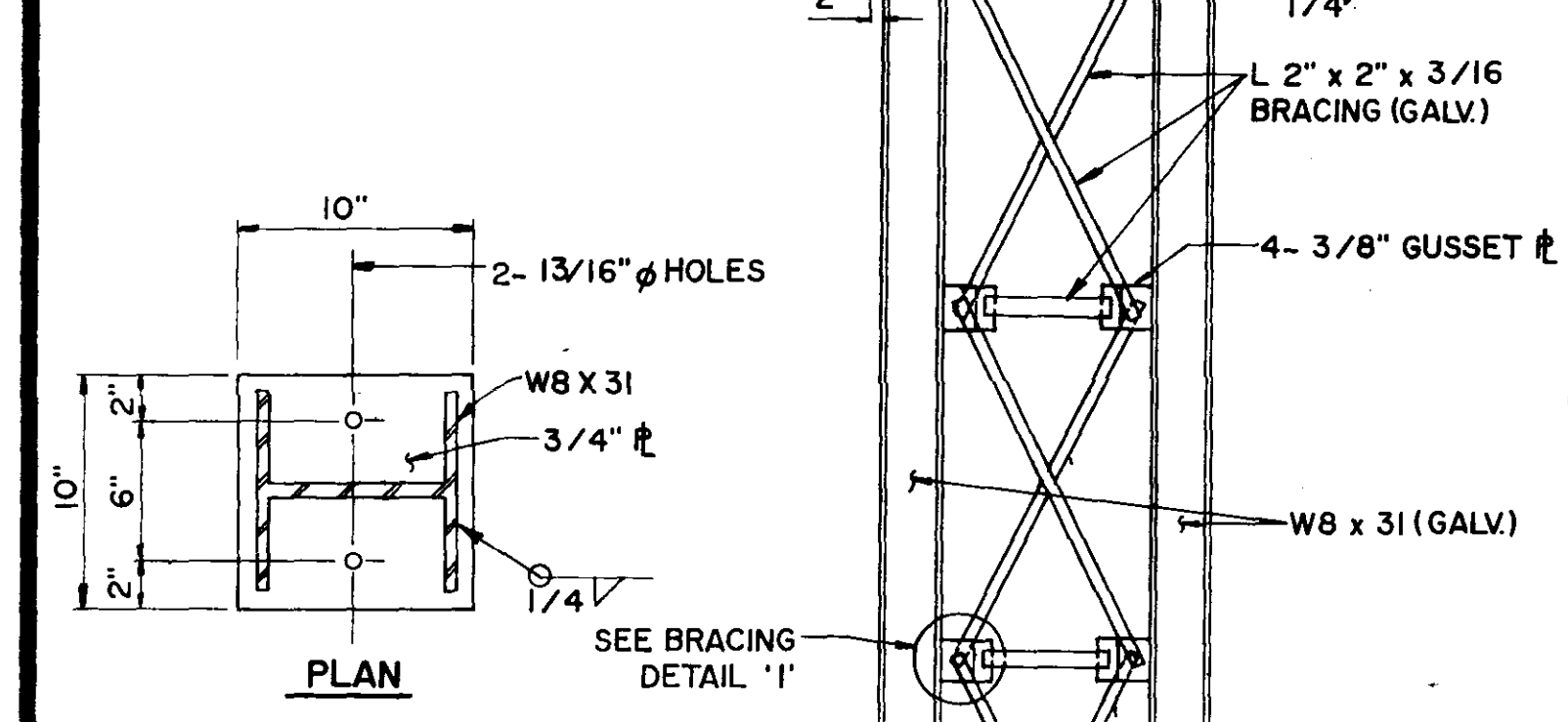
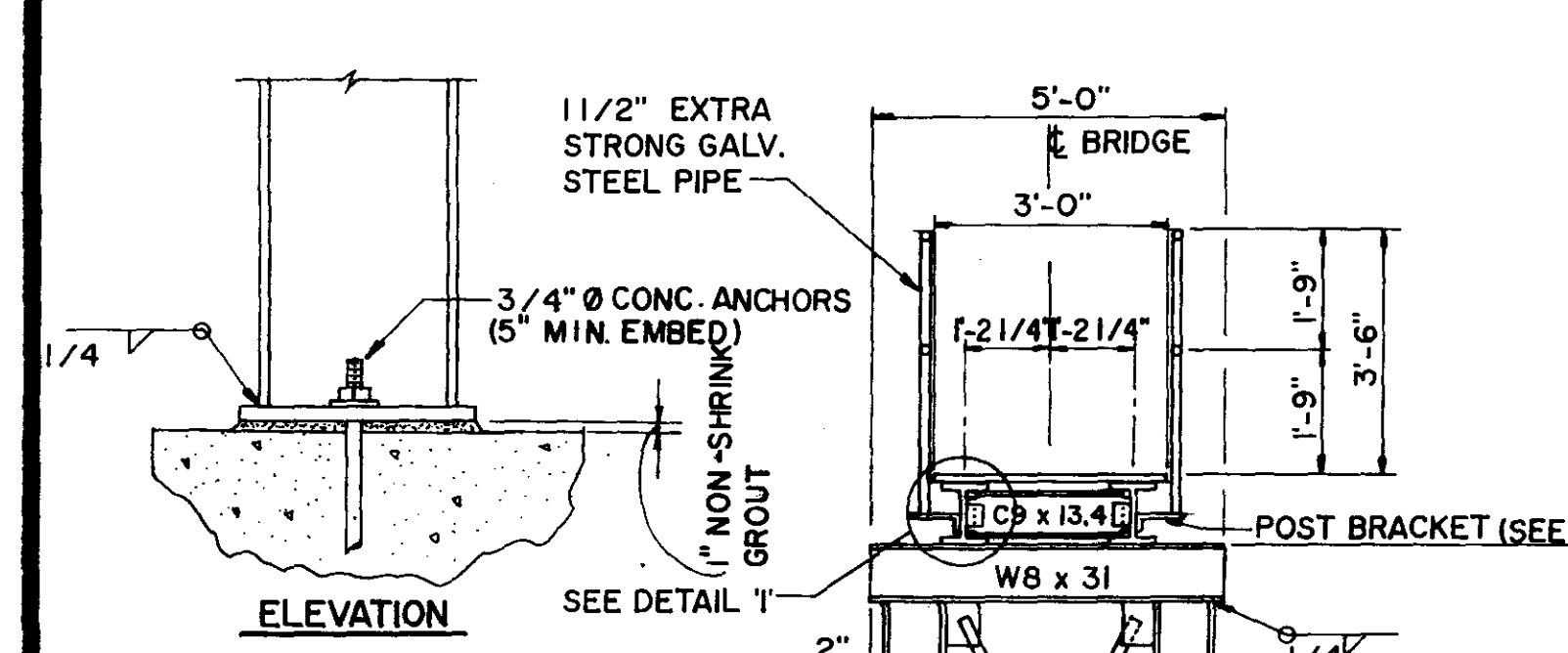
ELEVATION
N.T.S.



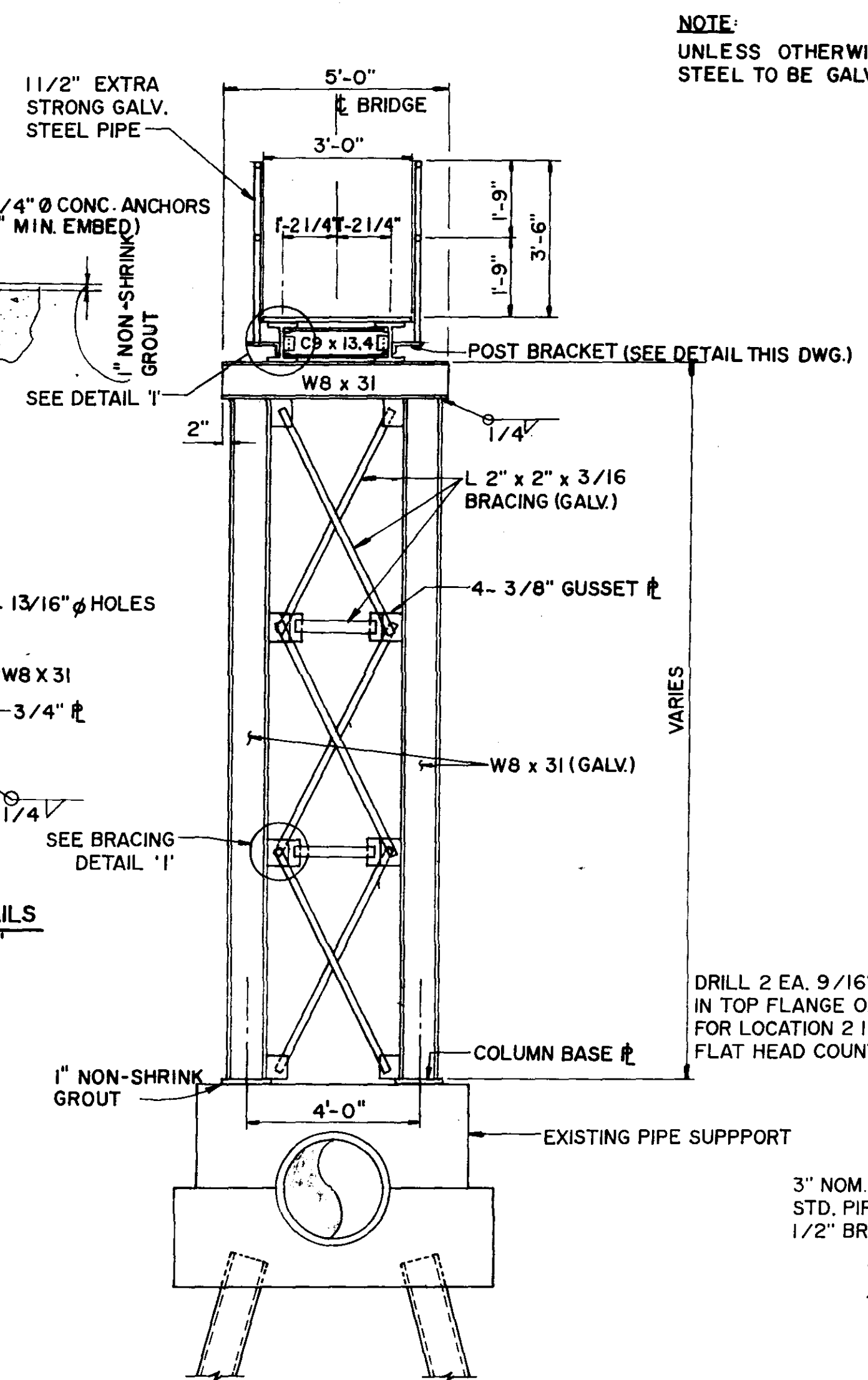
SECTION D-D
SCALE: 1 1/2" = 1'-0"
WALKWAY BRIDGE SUPPORT DETAILS
SCALE AS INDICATED

William K. McBeath Jr.

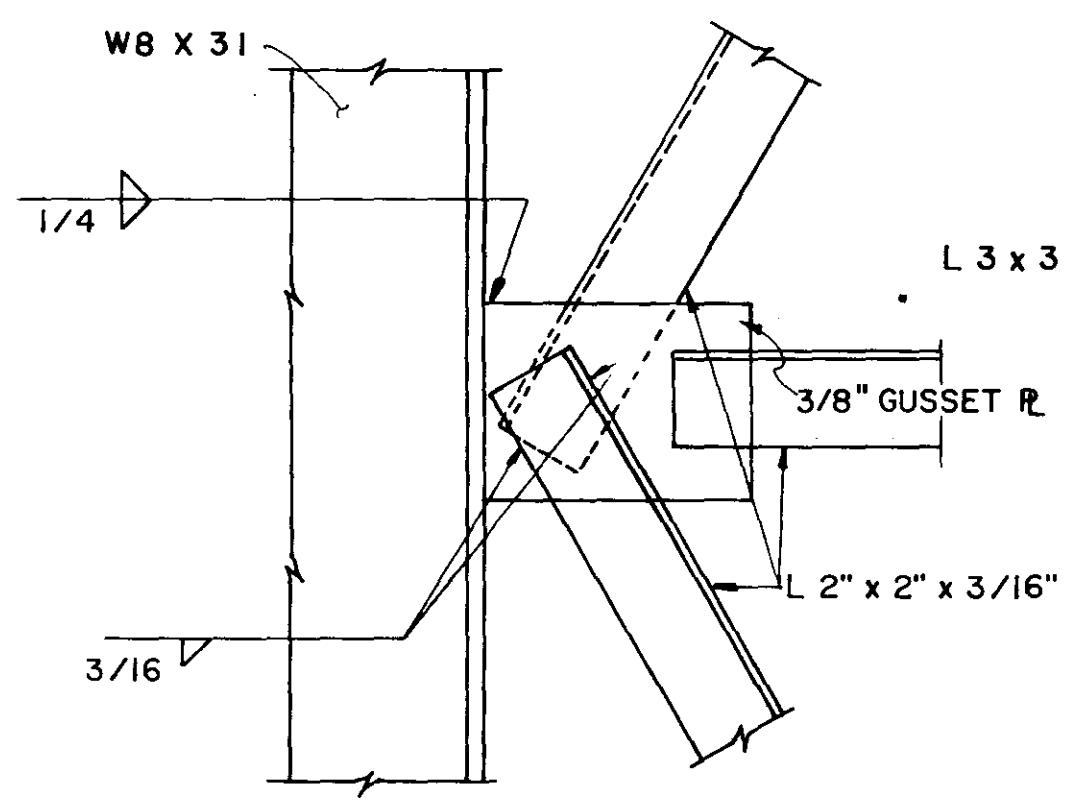
CITY OF JACKSON, MISSISSIPPI CITY PROJECT NO. 2815	
ACCESS PLATFORM DETAILS STATION NO. WB4 - HANGING MOSS	
SEWER METERING STATIONS WEST BANK INTERCEPTOR SYSTEM	
DSGN: R.B. 2/90	DRAWING NO.
DRWN: WAH 3/90	NEEL-SCHAFFER, INC. ENGINEERS - PLANNERS JACKSON, MISSISSIPPI
CHKD: WKM 2/90	10 OF 21
SCALE: NONE	



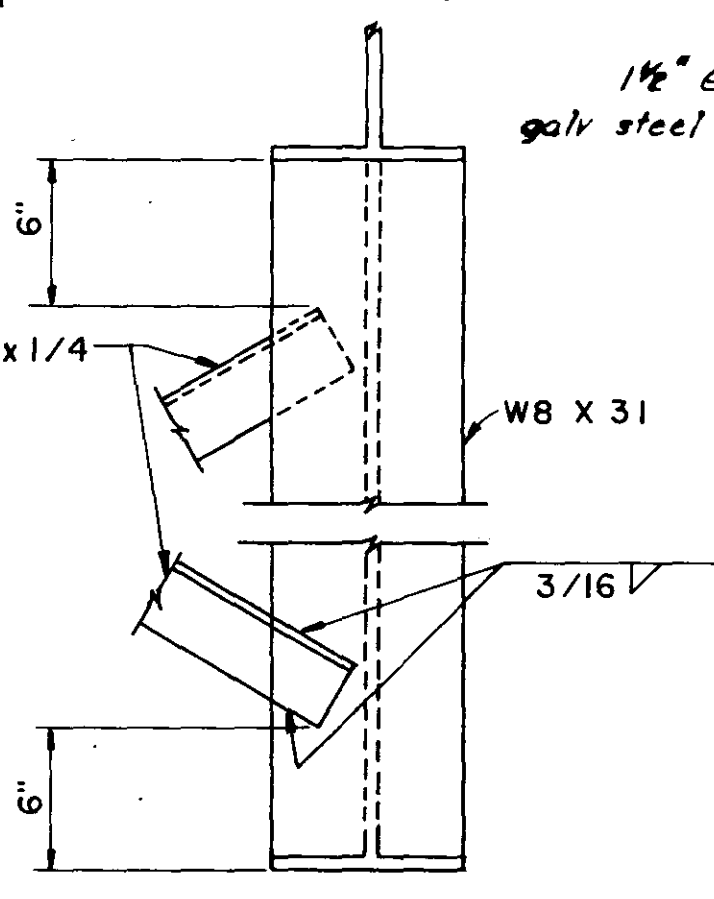
COLUMN BASE DETAILS
SCALE: 1 1/2" = 1'-0"



SECTION D - D (SEE DWG. 9)
SCALE: 3/8" = 1'-0"

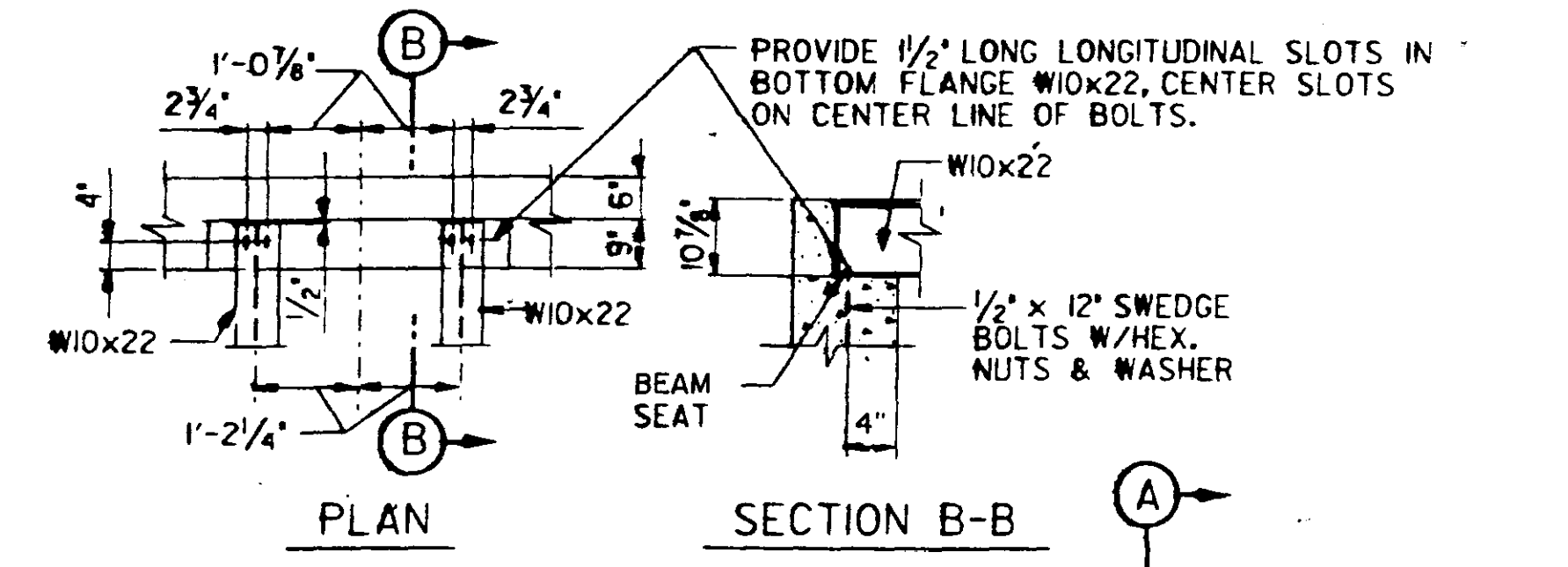


BRACING DETAIL '1'
N.T.S.



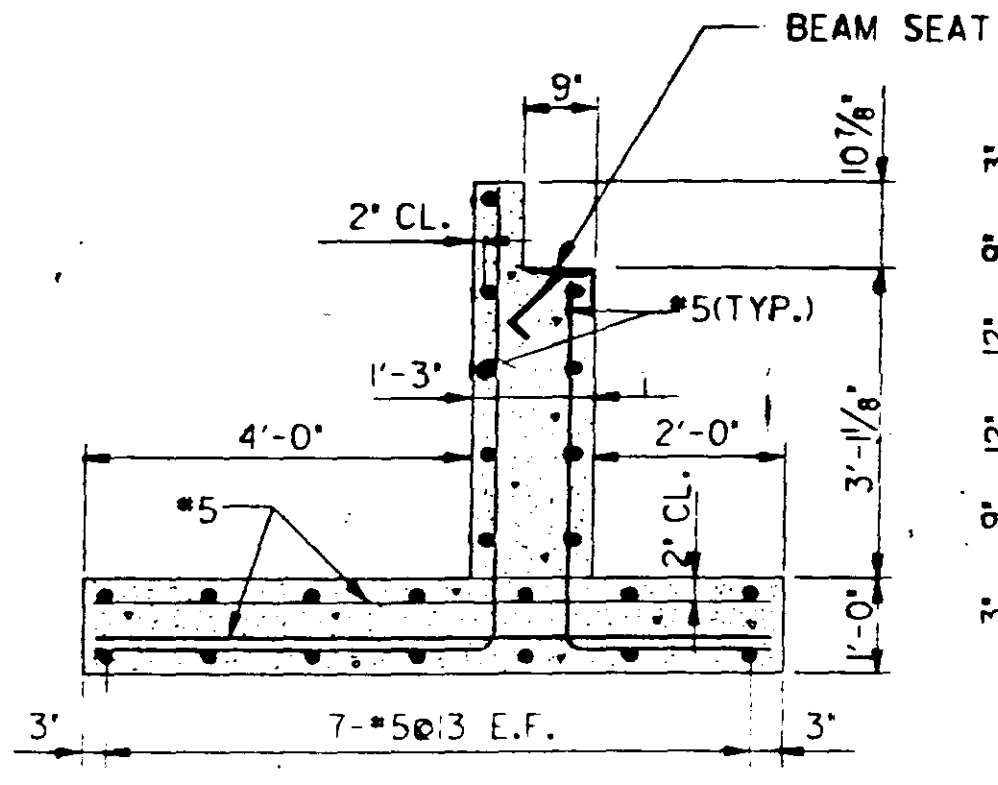
BRACING DETAIL '2'
N.T.S.

NOTE:
UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL TO BE GALVANIZED. (SEE SPECIFICATIONS)

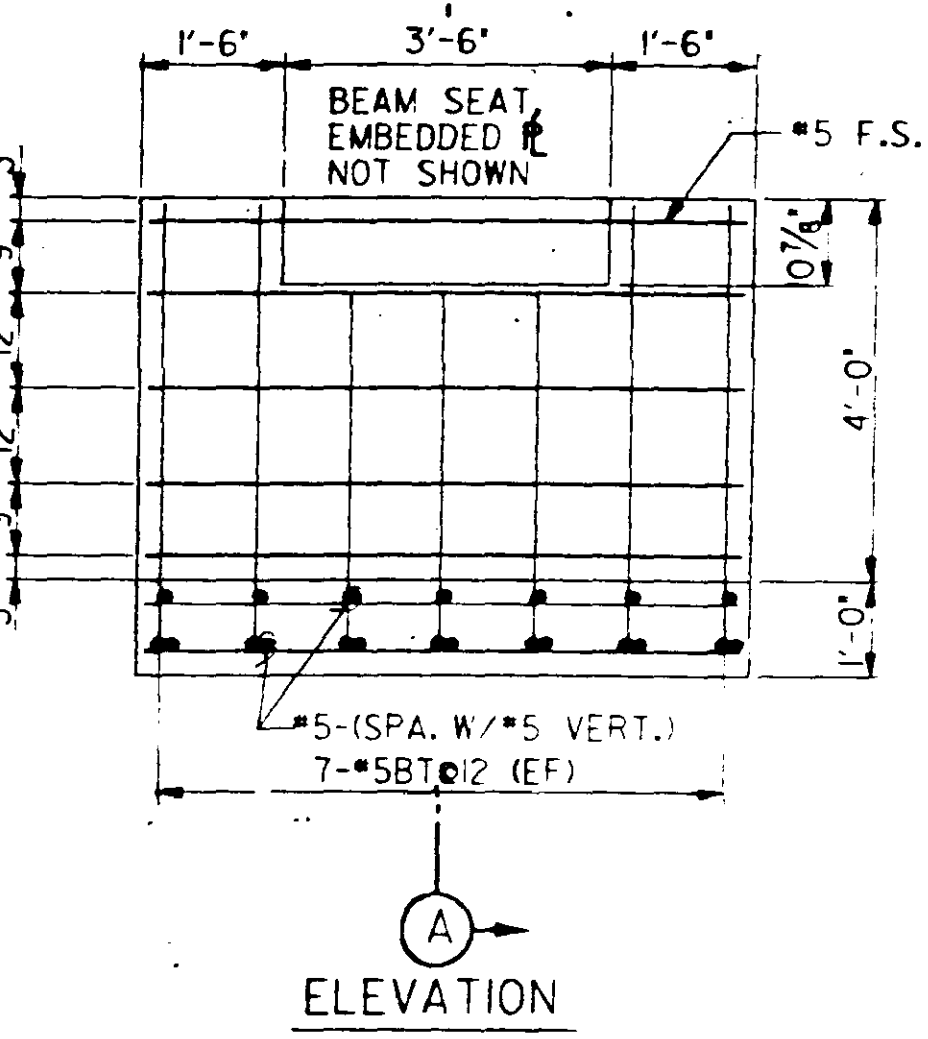


PLAN

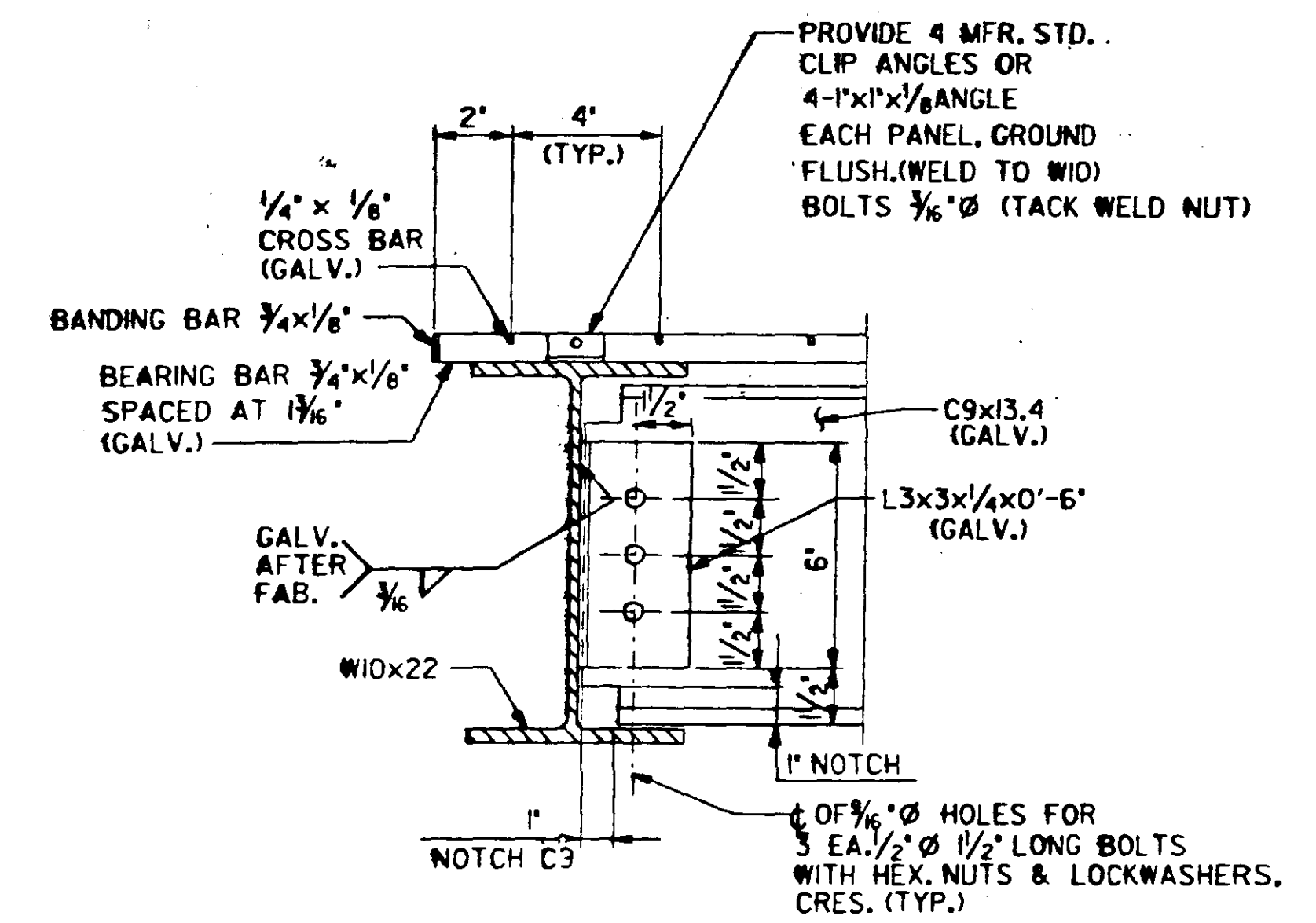
SECTION B-B



SECTION A-A

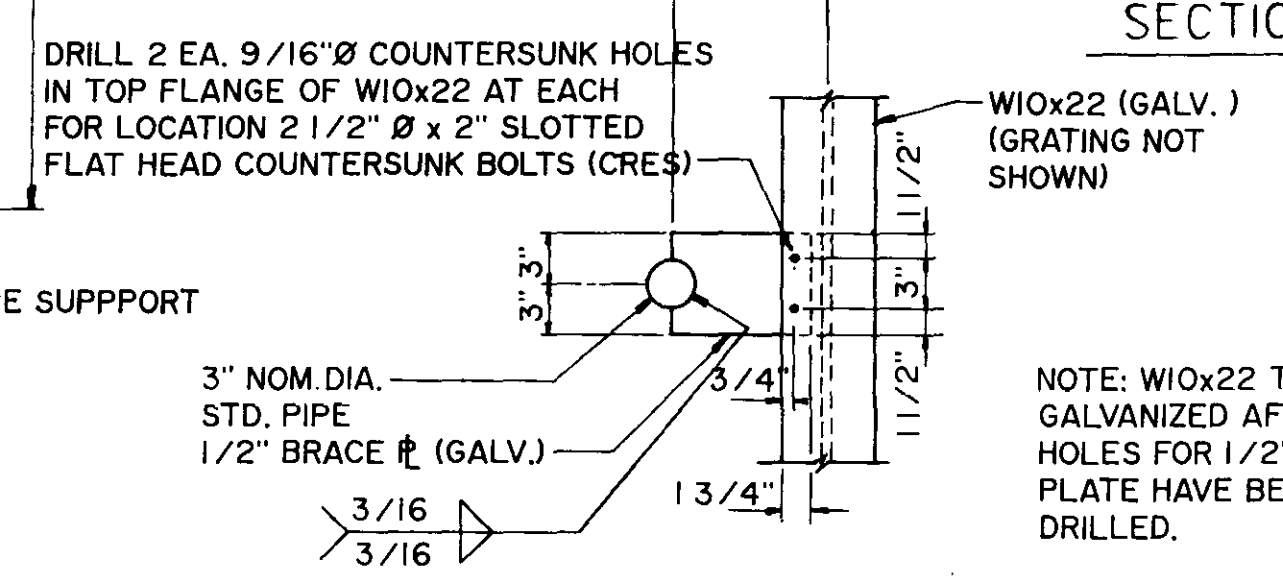


ELEVATION



DETAIL '1'

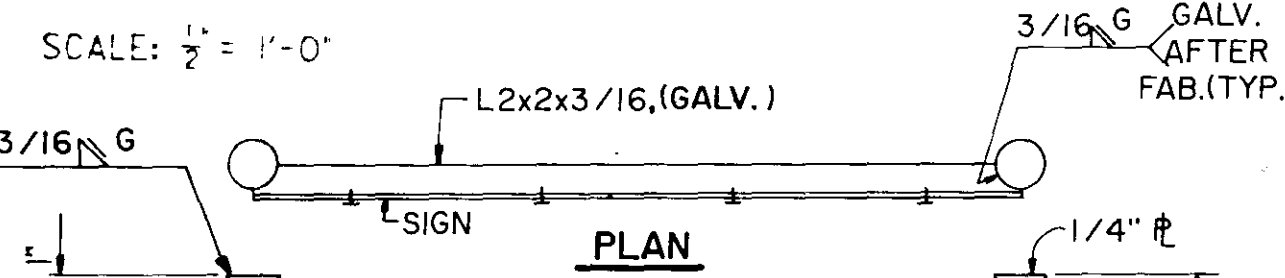
SCALE: 3" = 1'-0"



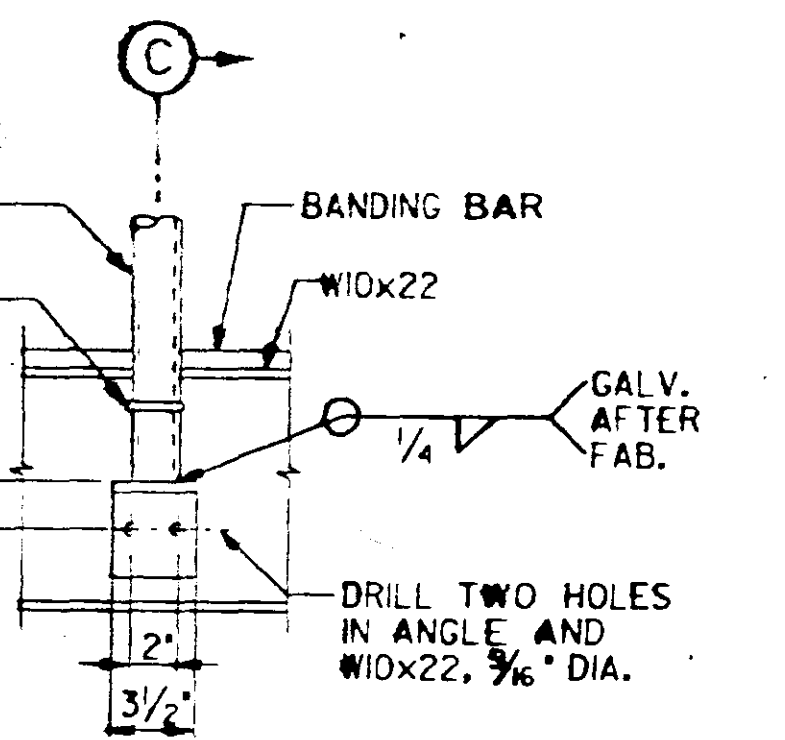
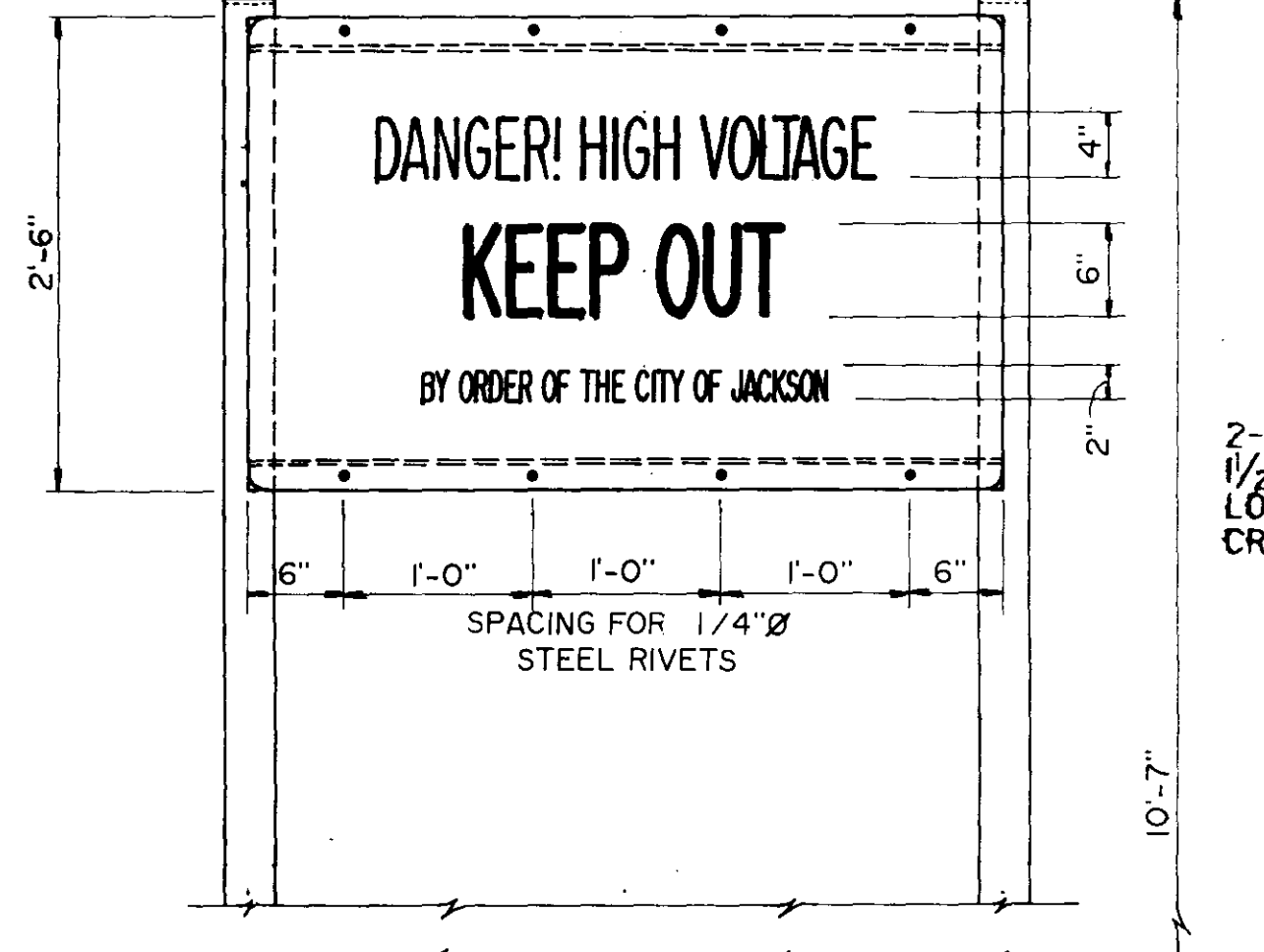
SECTION E-E
SCALE: 1" = 1'-0"

ABUTMENT DETAIL

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



PLAN



SECTION C-C

ELEVATION

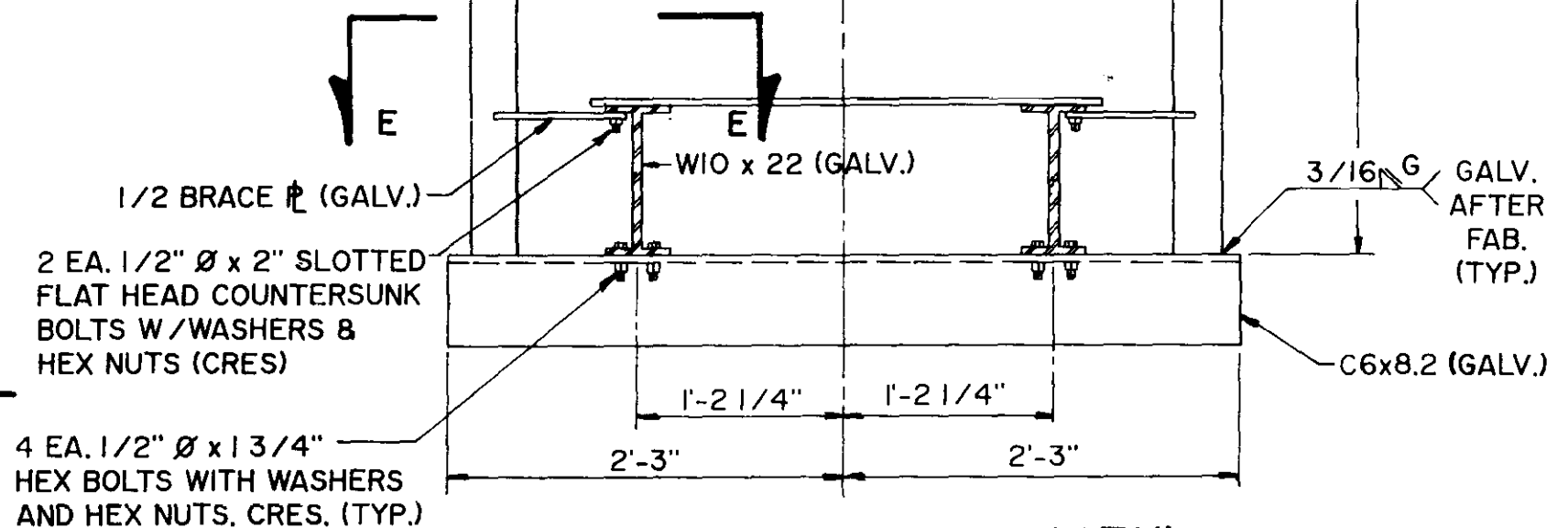
POST BRACKET DETAIL

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

NOTE:
PROVIDE 1 1/2" LONG SLOTS IN FLOOR BEAMS, CENTER SLOTS ON CENTER LINE OF BOLTS.

INTERMEDIATE PIER COLUMN AND WALKWAY

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

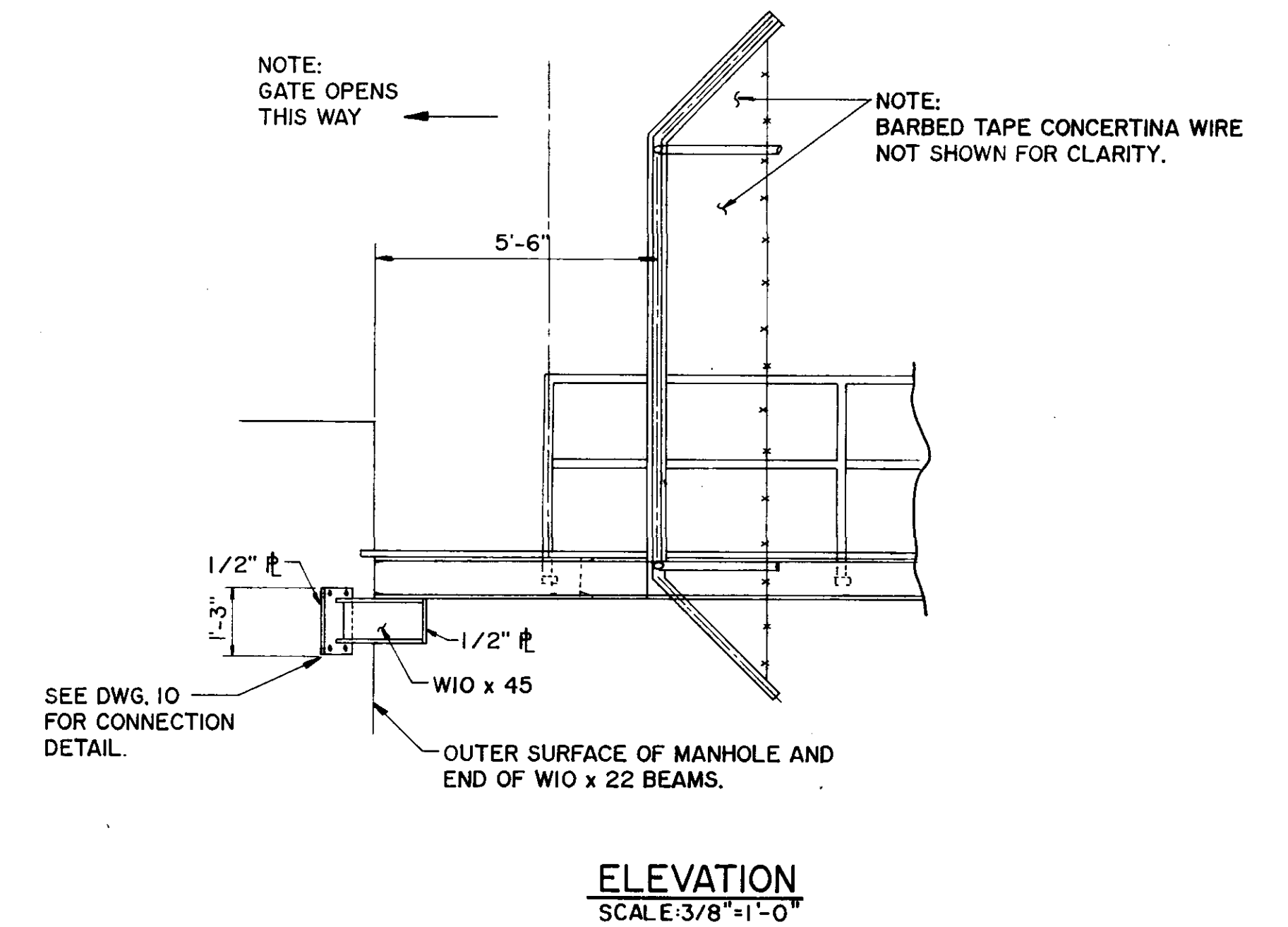
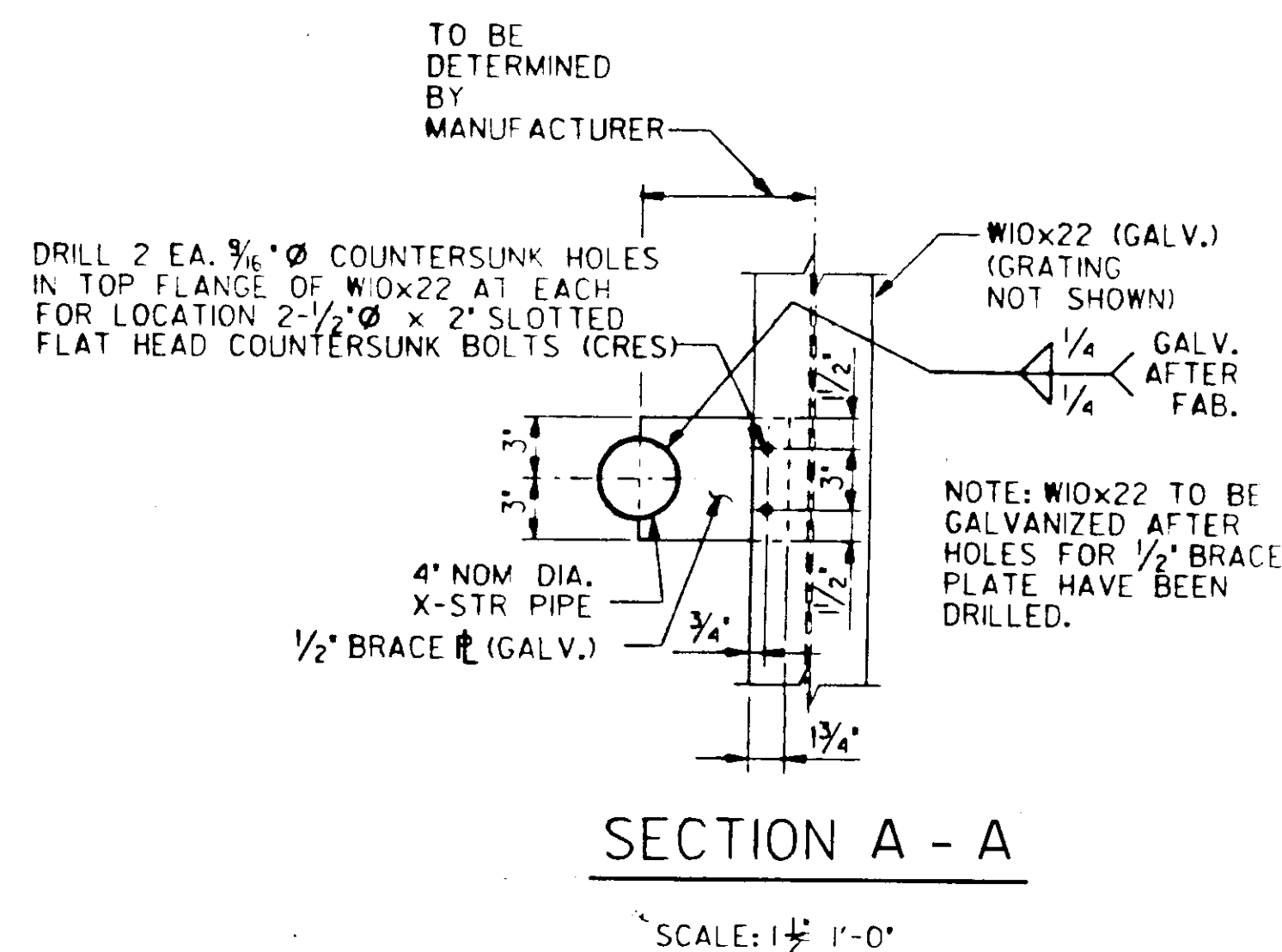
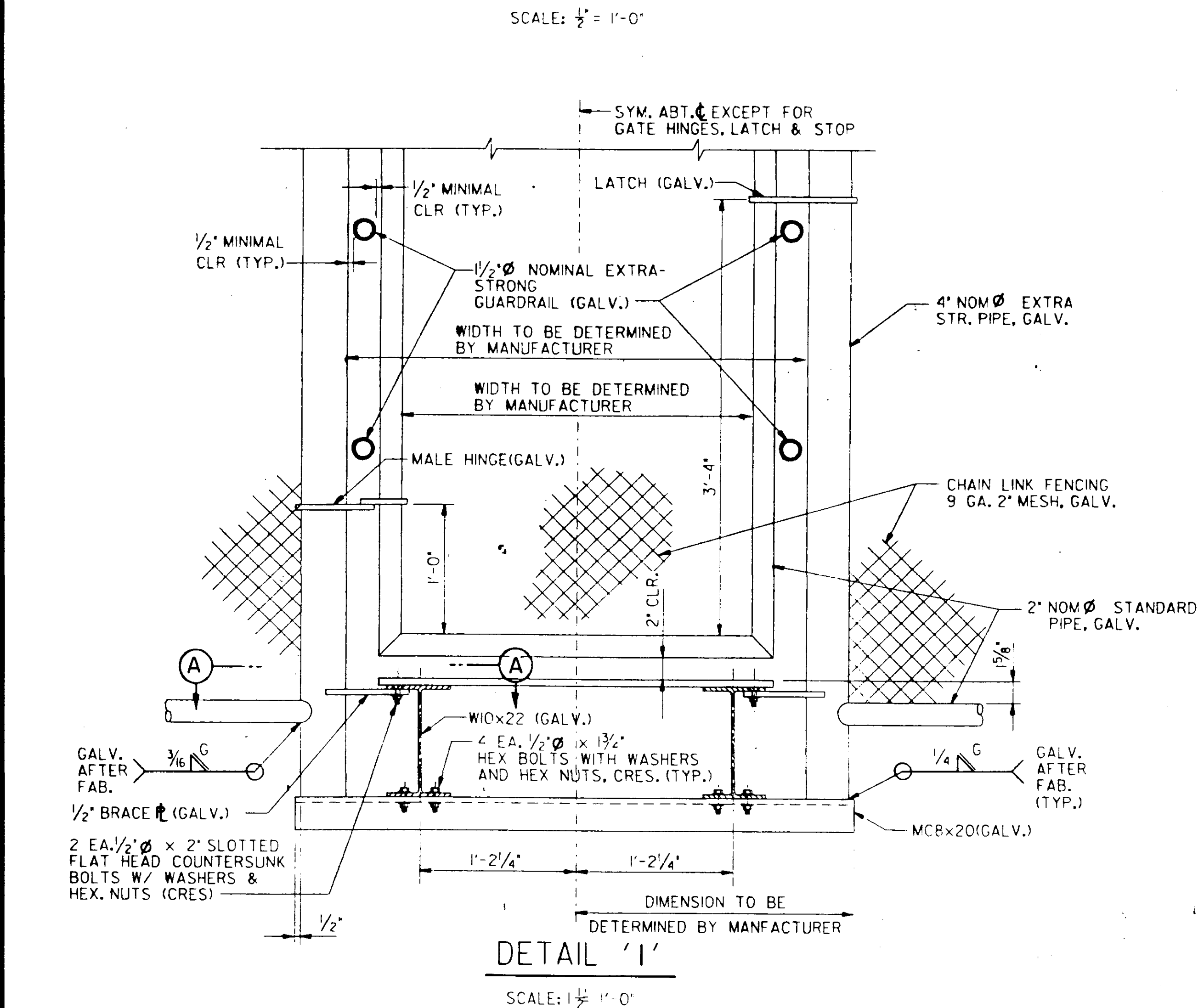
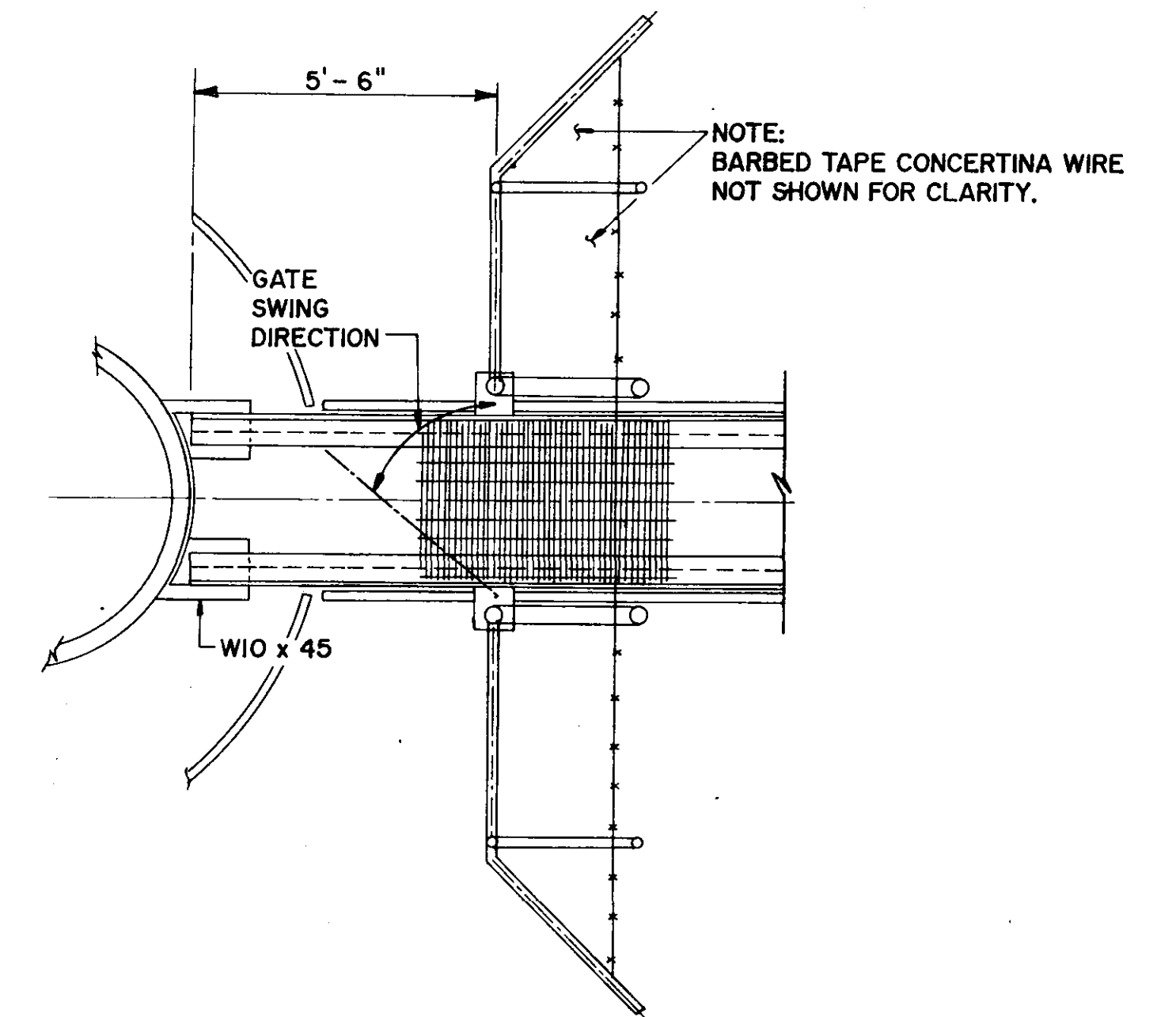
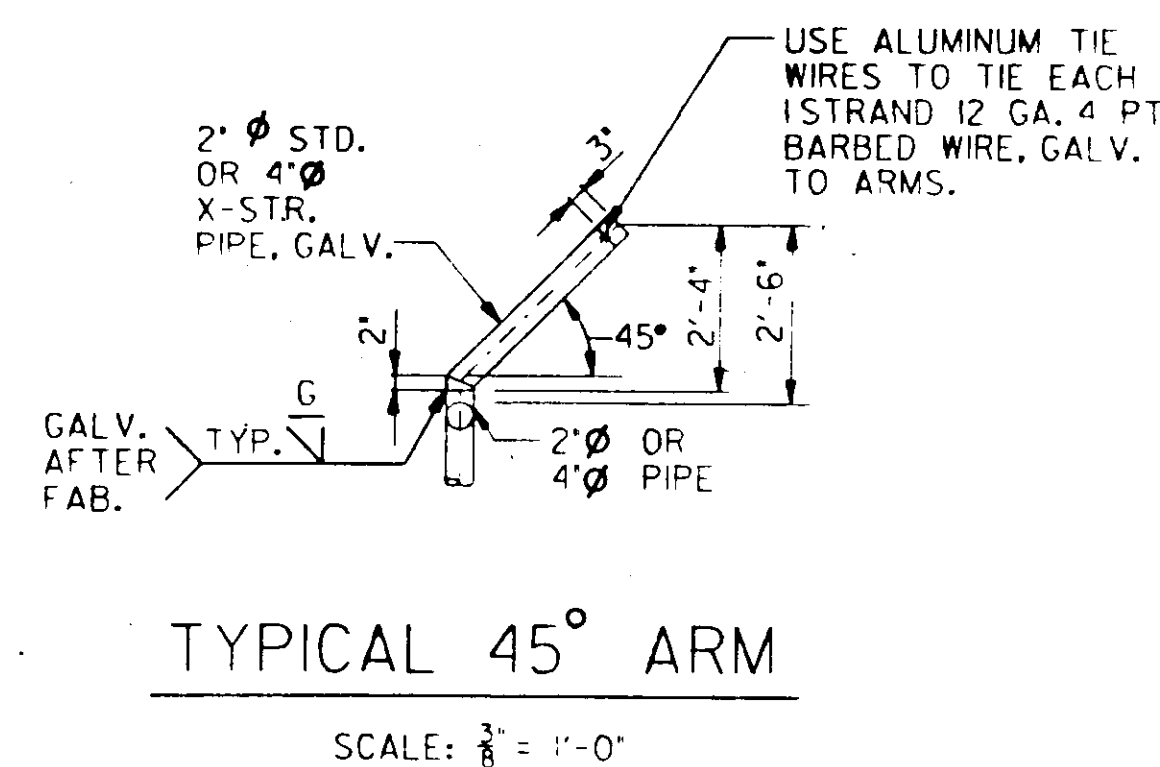
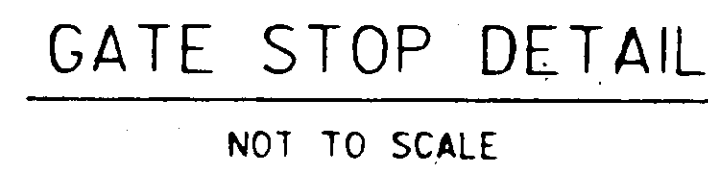
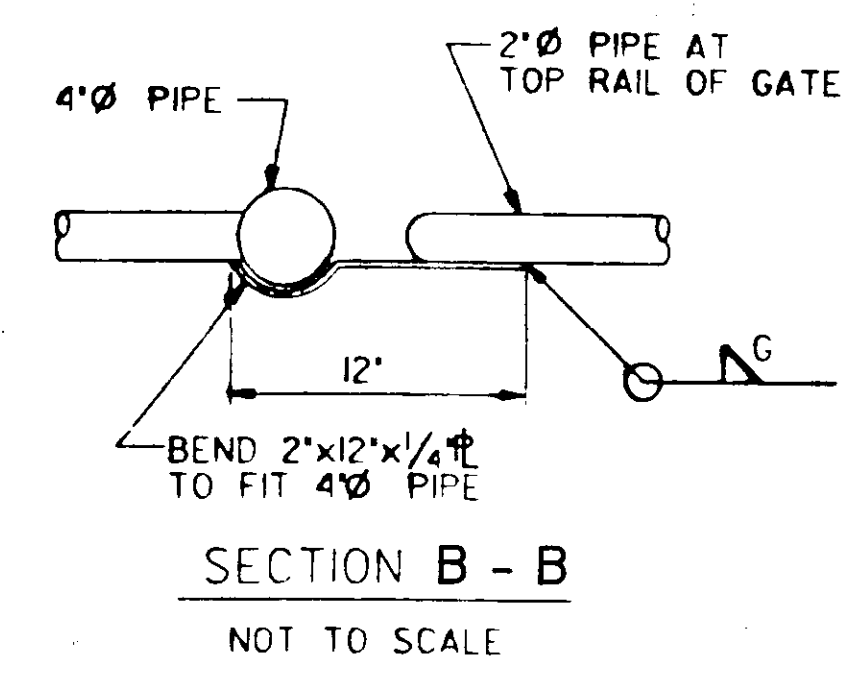
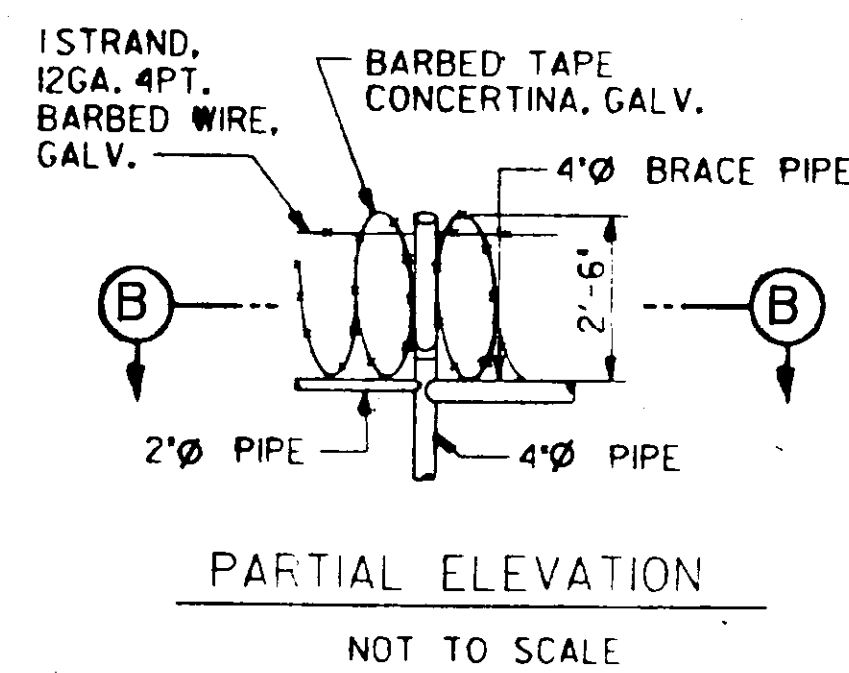
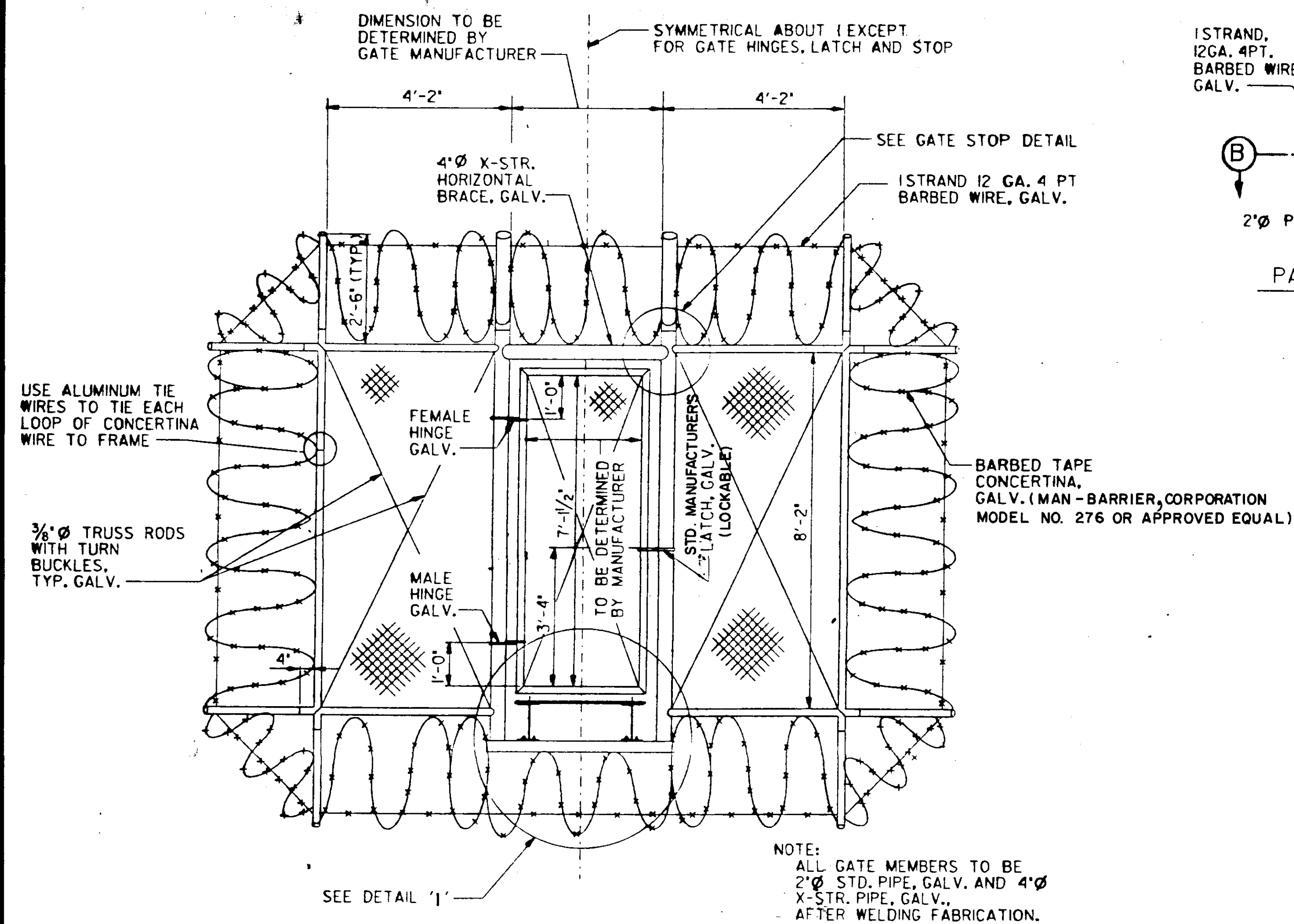


OVERHEAD WARNING SIGN DETAIL

SCALE: 1" = 1'-0"

CITY OF JACKSON, MISSISSIPPI CITY PROJECT NO.2815	
WALKWAY DETAILS STATION NO.WB4 - HANGING MOSS	
SEWER METERING STATIONS WEST BANK INTERCEPTOR SYSTEM	
DSGN: RB 2/90	DRWN: JLM 2/90
CHKD: WKM 2/90	SCALE: SHOWN
NEEL-SCHAFFER INC. ENGINEERS, PLANNERS JACKSON, MISSISSIPPI	
DRAWING NO. 11 OF 21	

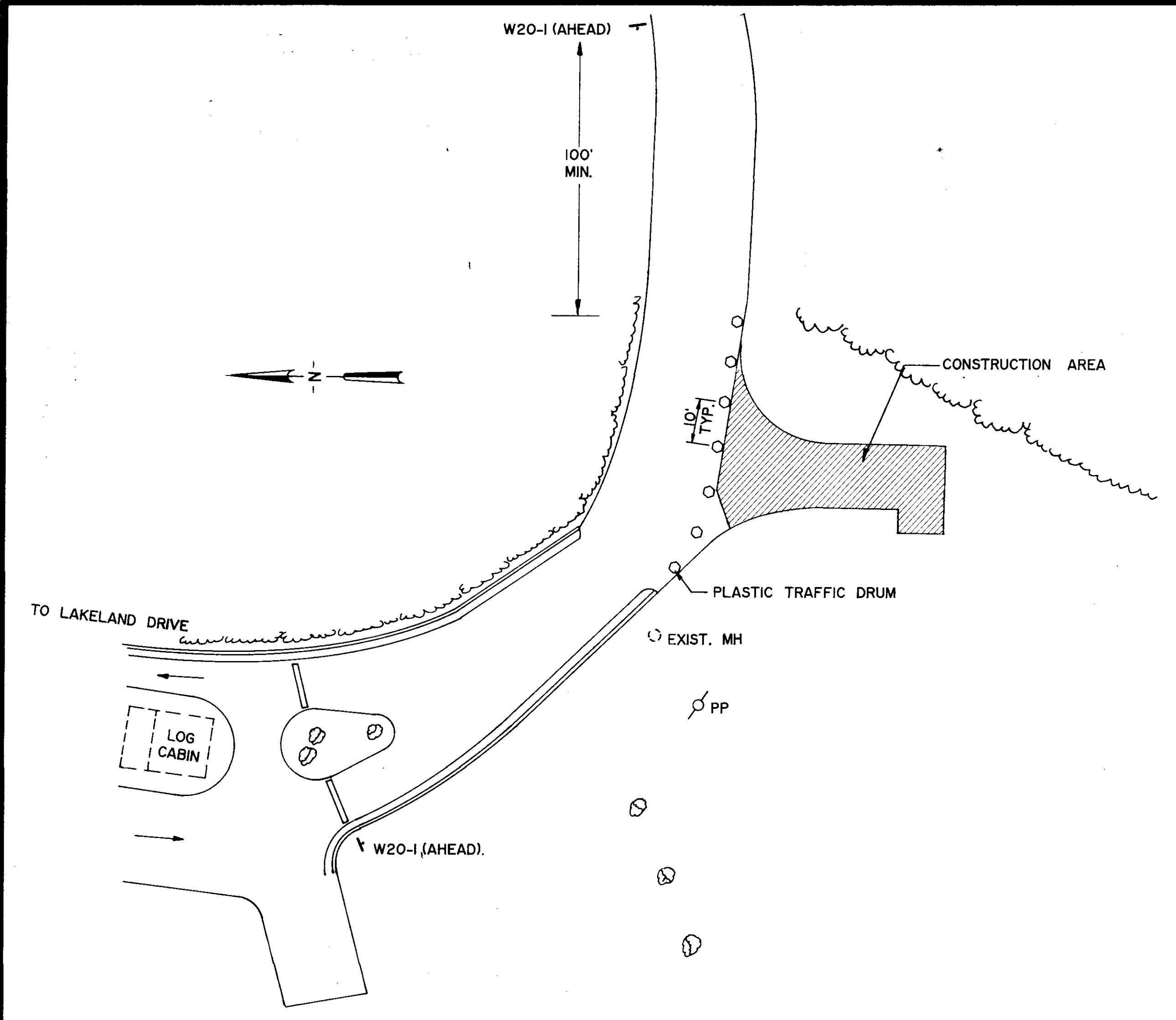
William K. McBeath Jr.



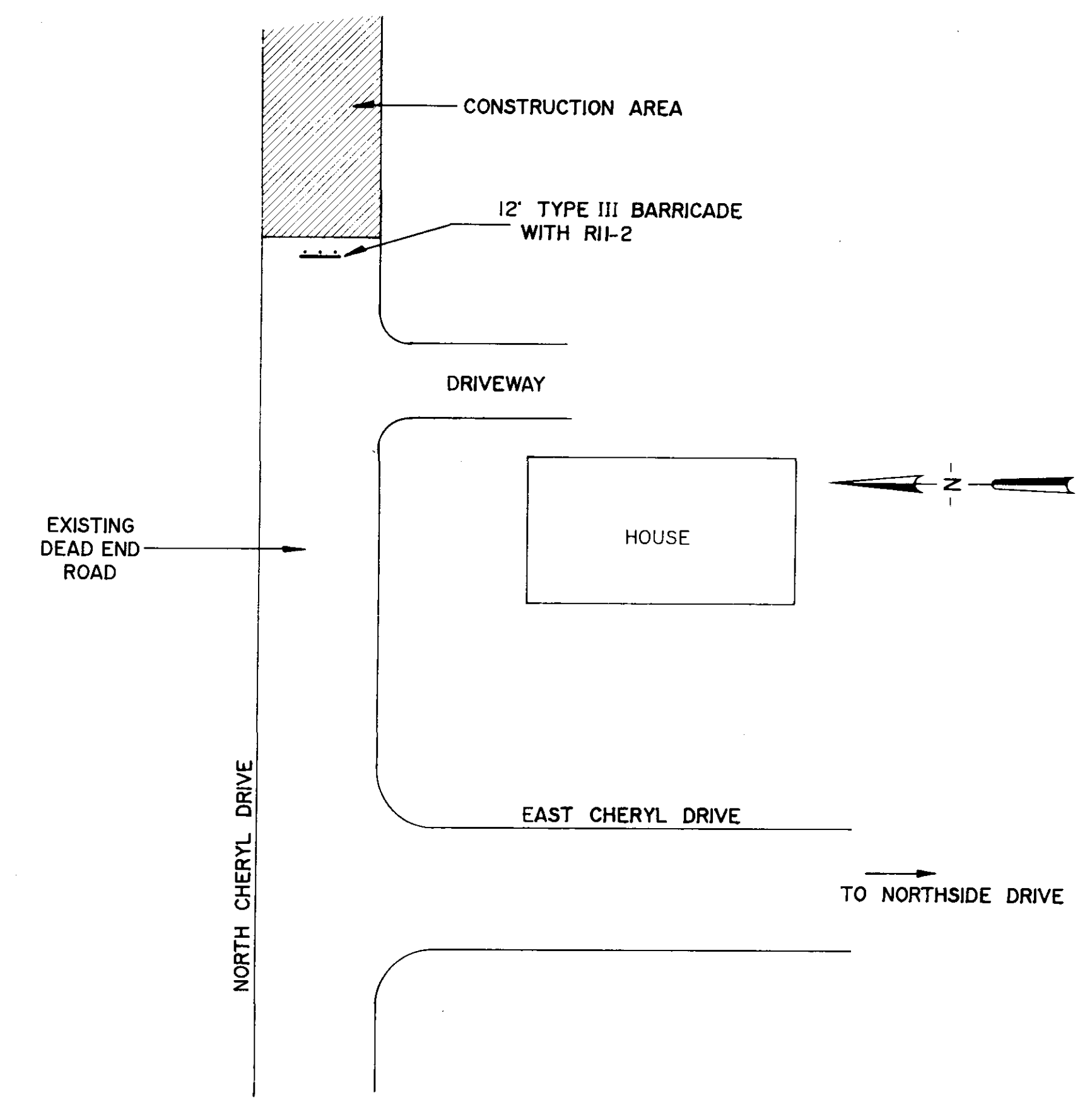
CITY OF JACKSON, MISSISSIPPI CITY PROJECT NO.2815	
SECURITY GATE DETAILS STATION NO.WB4 - HANGING MOSS	
SEWER METERING STATIONS WEST BANK INTERCEPTOR SYSTEM	
DSGN: RB 2/9d	DRAWING NO. 12 OF 21
DRWN: JM 2/9d	NEEL-SCHAFFER, INC. ENGINEERS - PLANNERS JACKSON, MISSISSIPPI
CHKD: WKM 2/9d	SCALE: SHOWN

William K. McBeath, II

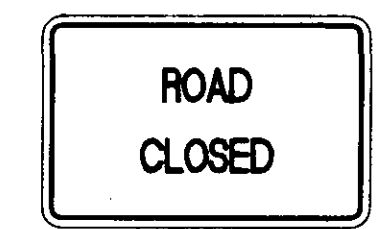
NOTES
 ALL TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE 1988 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



STATION NO. WB3 - LAKELAND
 N.T.S.



STATION NO. WB4 - HANGING MOSS
 N.T.S.

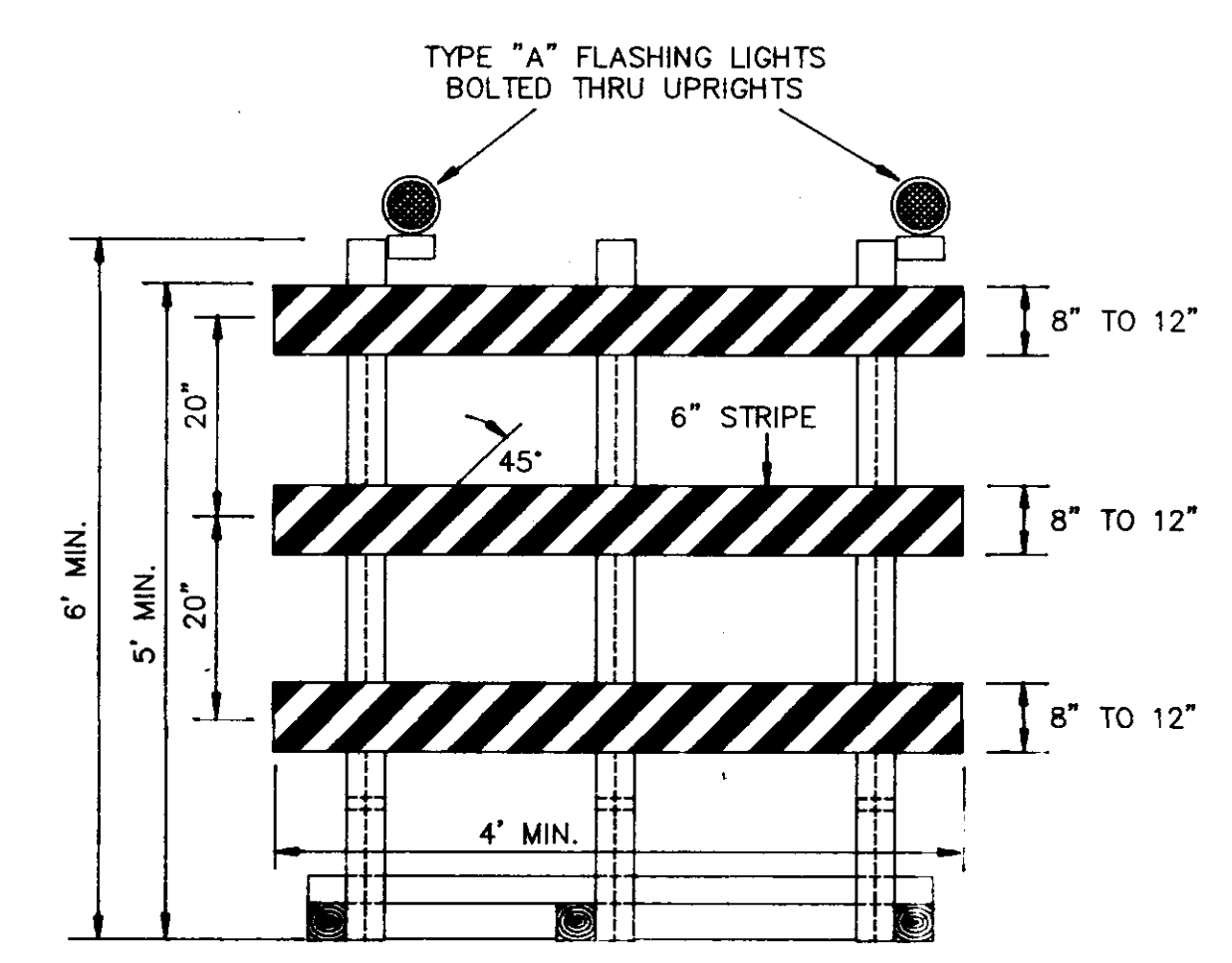


R11-2
 48" x 30"
 (BLACK ON WHITE)

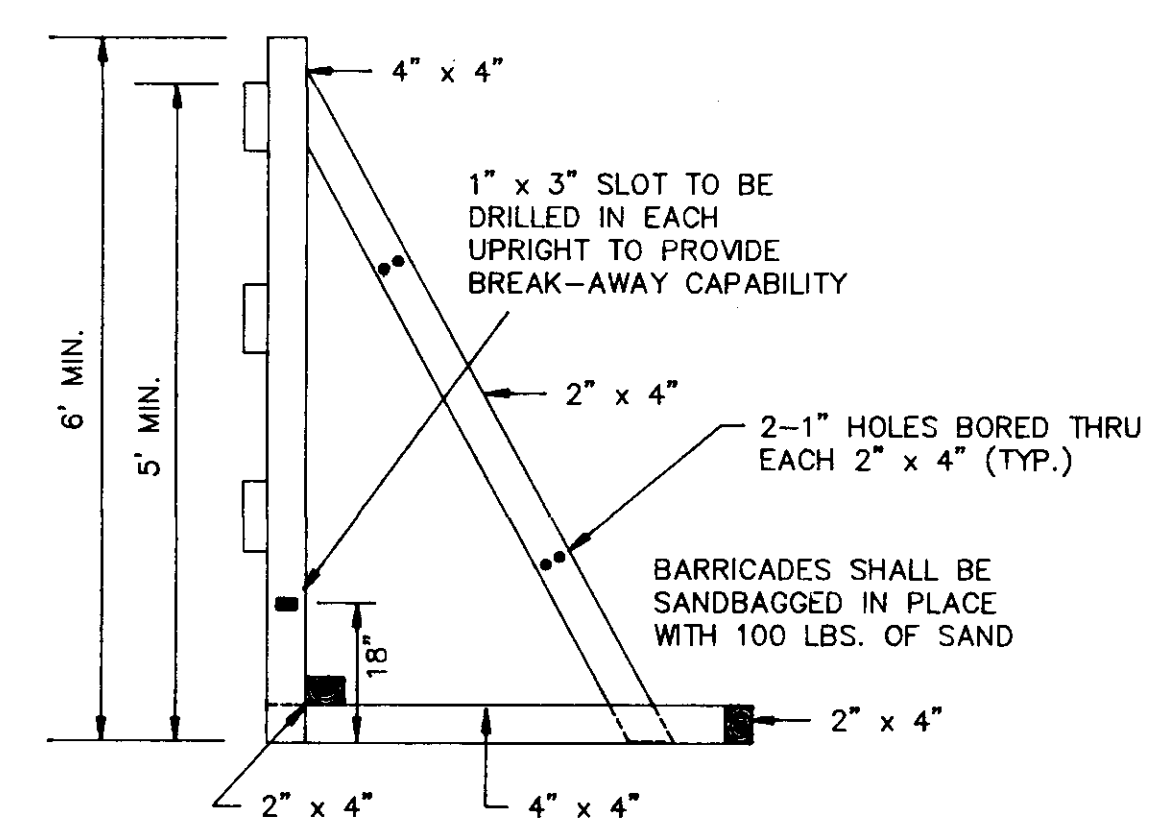


W20-1 (AHEAD)
 48" x 48"
 (BLACK ON ORANGE)

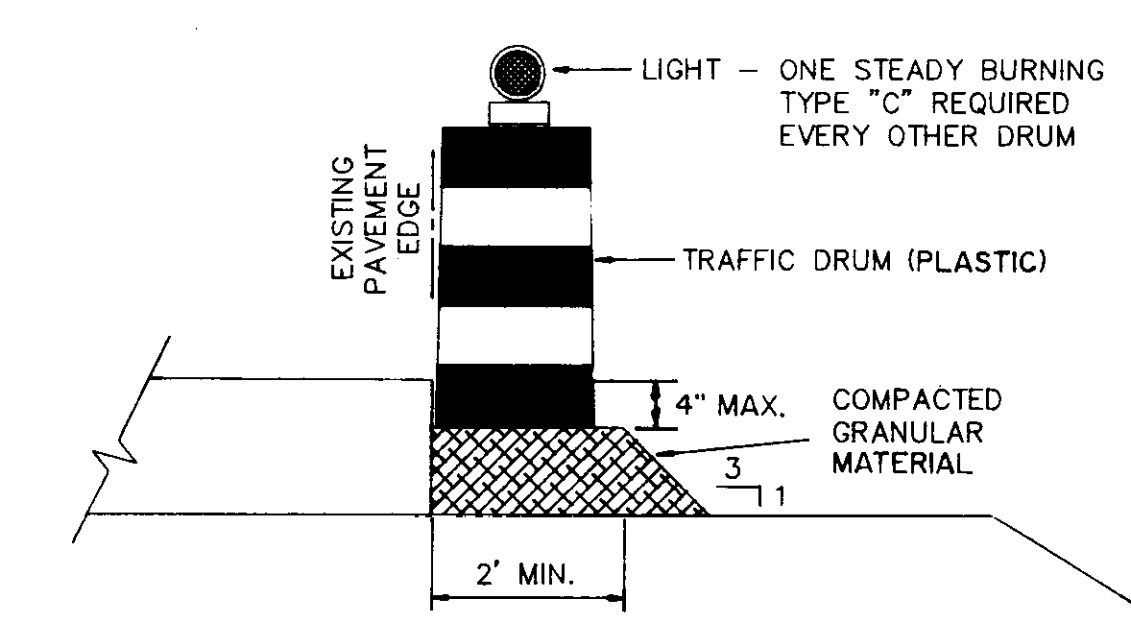
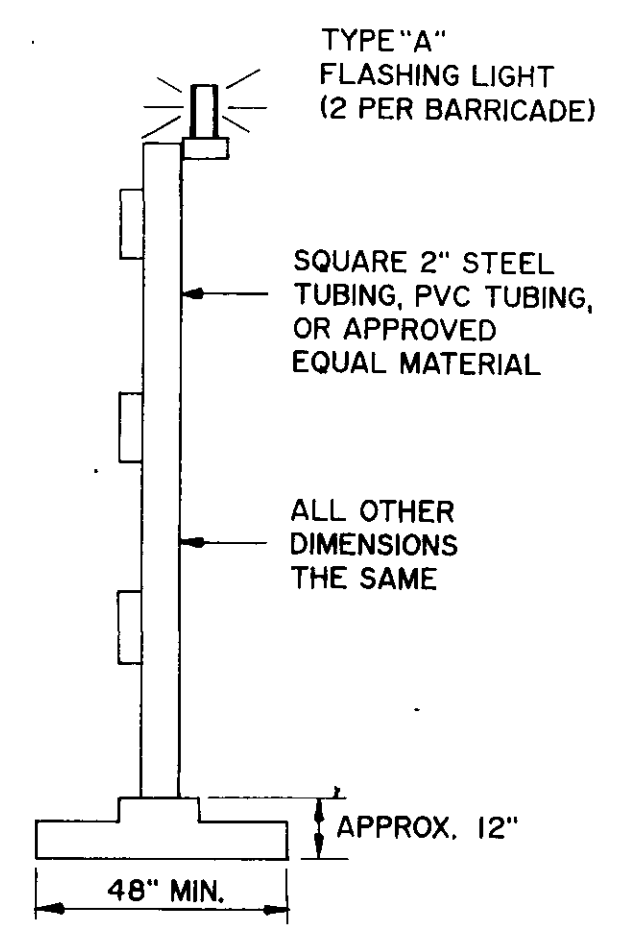
SIGNS



TYPE III BARRICADE

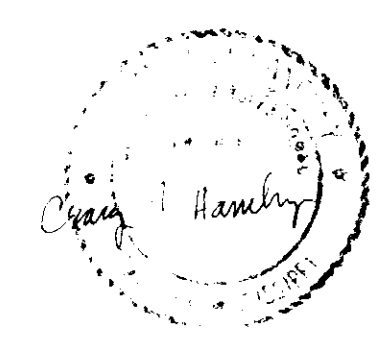


ALTERNATE TYPE III BARRICADE



DRUM PLACEMENT ON LOW SHOULDERS OR WIDENING

DRUMS REQUIRED WHERE WORK ZONE INCLUDES UNDERCUT SHOULDER AND REMOVAL OF CURB & GUTTER. DRUMS TO BE PLACED AS SHOWN IN DETAIL, LEFT FOR NIGHT TIME OPERATION OR SUSPENSIONS OF WORK.

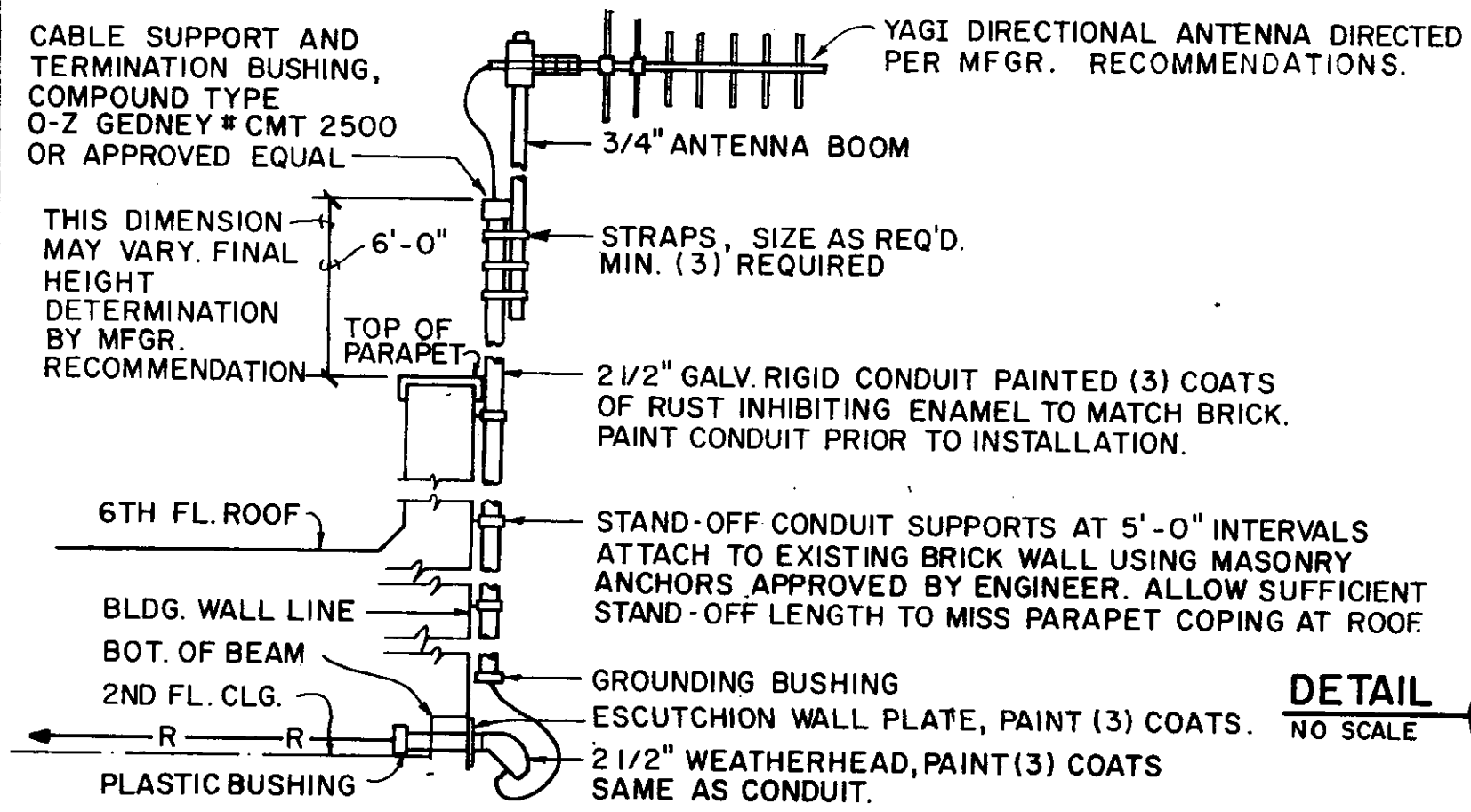


CITY OF JACKSON, MISSISSIPPI
 CITY PROJECT NO. 281.5

TRAFFIC CONTROL DETAILS

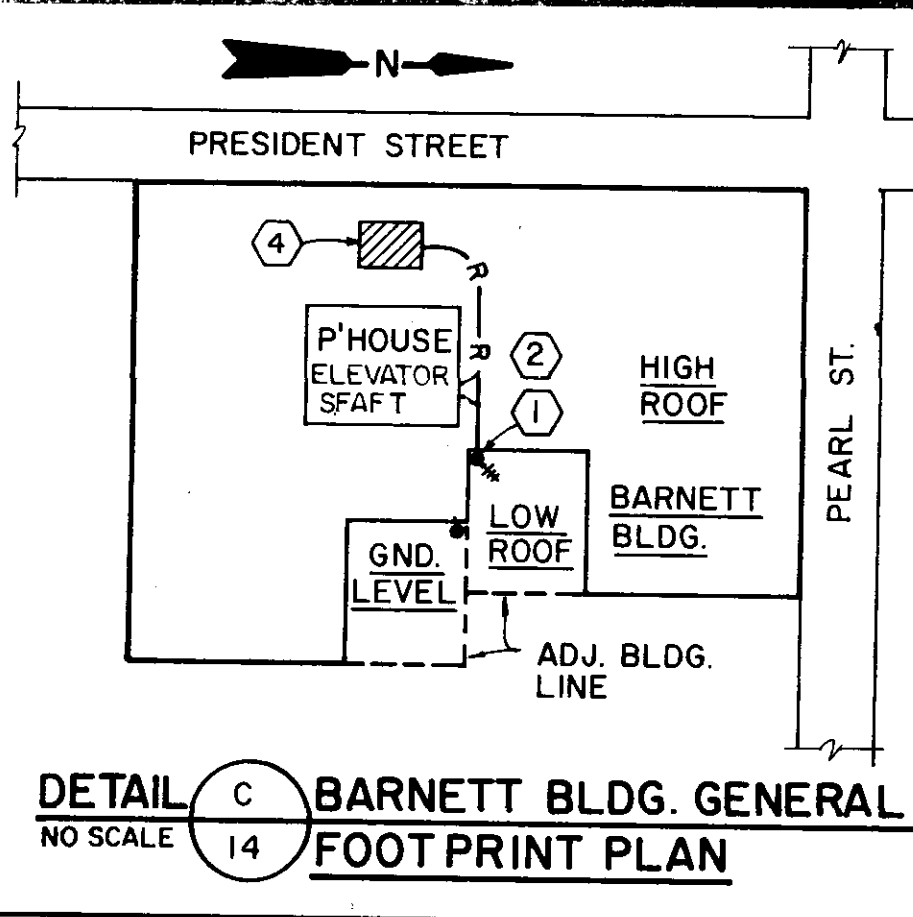
SEWER METERING STATIONS
 WEST BANK INTERCEPTOR SYSTEM

DSGN: CMH 2/92	NEEL-SCHAFFER INC. ENGINEERS - PLANNERS JACKSON, MISSISSIPPI	DRAWING NO.
DRWN: SRD 3/92		13 OF 21
CHKD: MGB 3/92		
SCALE: N.T.S.		



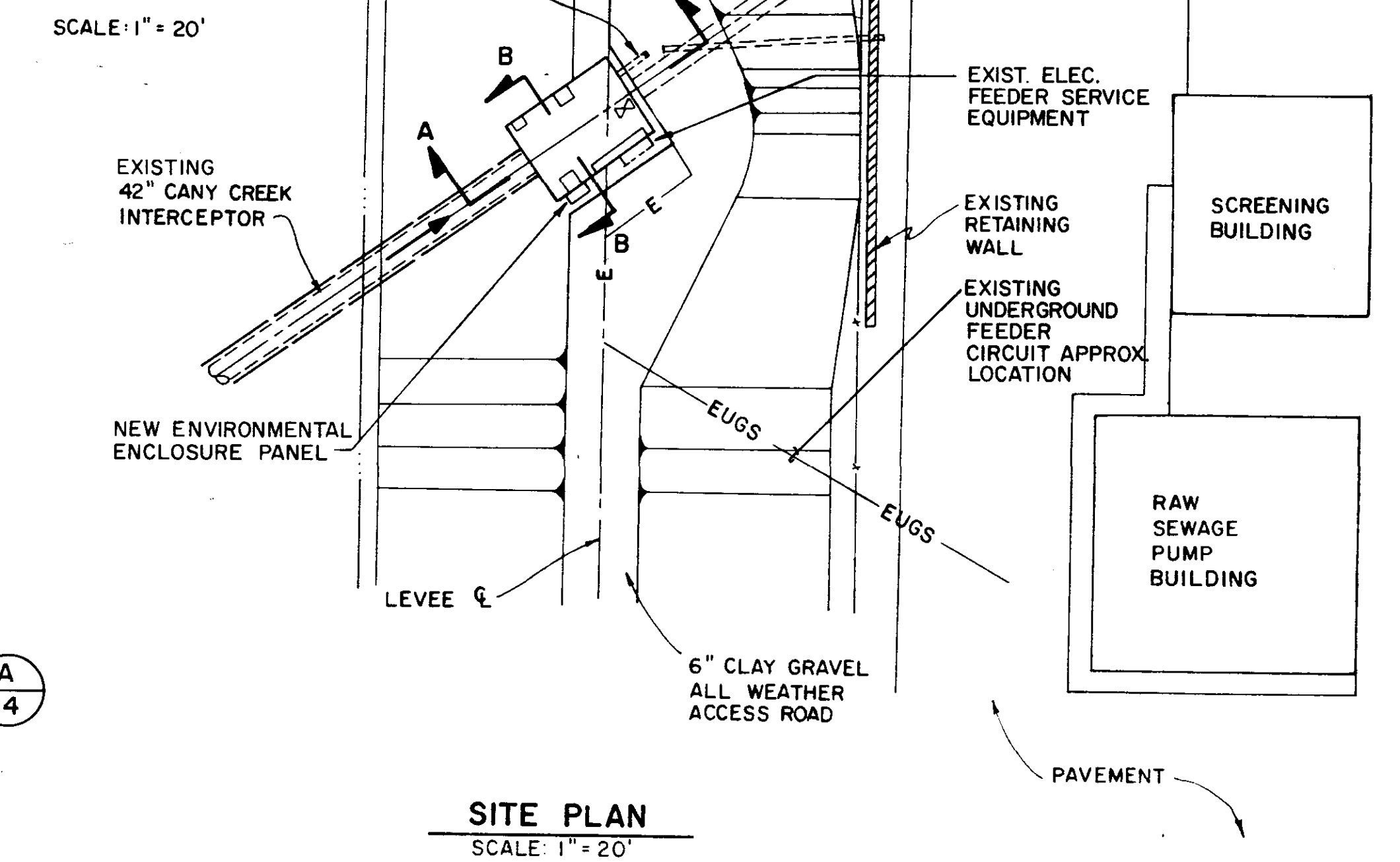
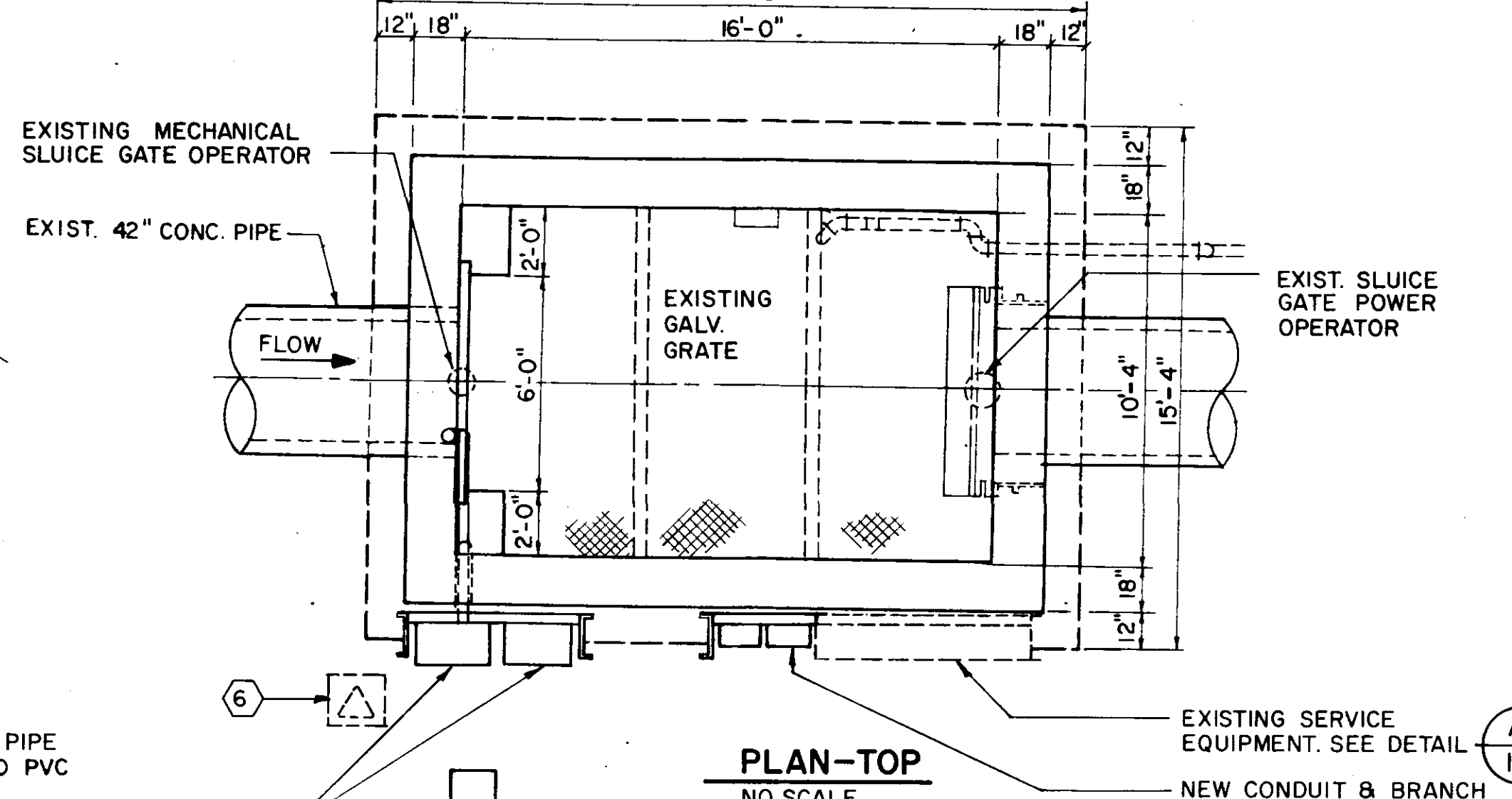
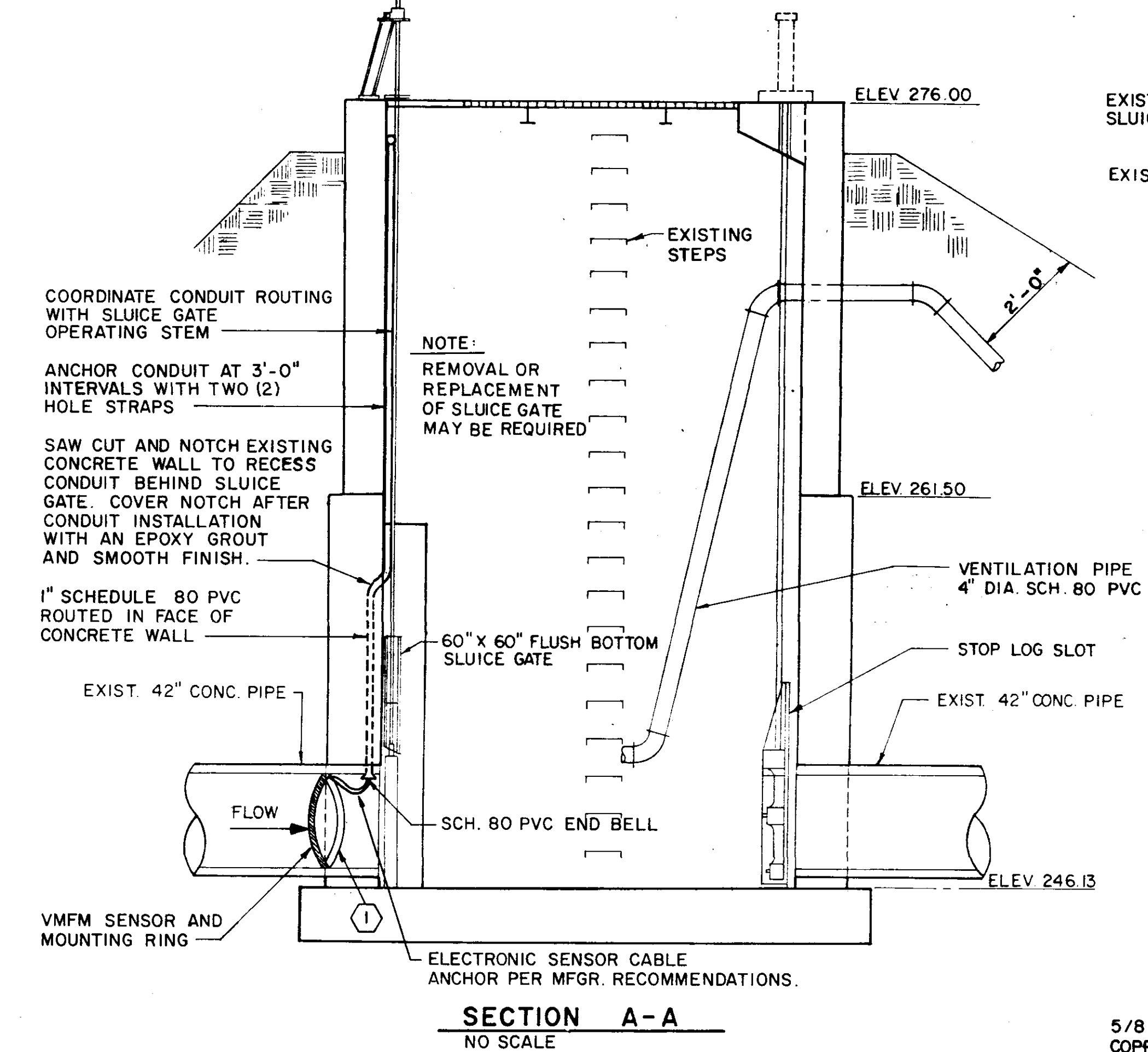
GENERAL NOTES: (THIS DETAIL)

- CONTRACTOR SHALL ROUTE 2 1/2" GRV. RIGID CONDUIT FROM ROOF, DOWN ELEVATOR SHAFT OF BUILDING TO FOURTH FLOOR CEILING LEVEL. SET 2 1/2" SLEEVE THRU ELEVATOR SHAFT WALL. ROUTE RADIO ANTENNA CABLE FROM THAT POINT EXPOSED ABOVE LAY-IN CEILING TO CENTRAL CONTROL UNIT, AND TERMINATE AT CONTROL AS DIRECTED BY THE ENGINEER.
- RADIO ANTENNA CABLE ROUTED ABOVE EXISTING LAY-IN CEILING NOT IN CONDUIT. VERIFY ROUTING WITH ENGINEER PRIOR TO ROUGH-IN.
- ANTENNA CABLE SHALL NOT BE SPLICED.
- APPROXIMATE LOCATION OF CENTRAL UNIT. ROOM 410 COPY/STORAGE ROOM.

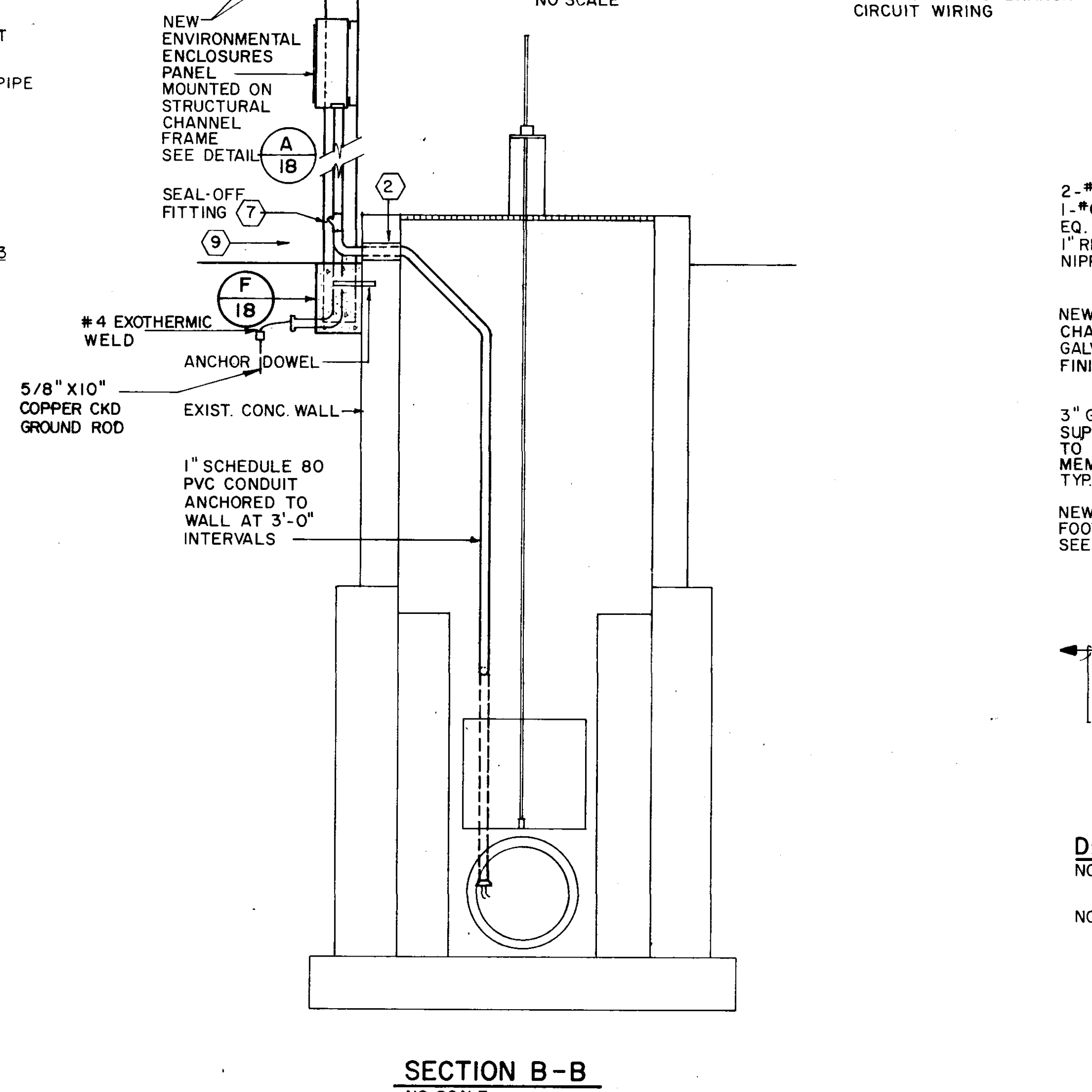


DETAIL B ANTENNA MOUNTING AT BARNETT BLDG.
NO SCALE

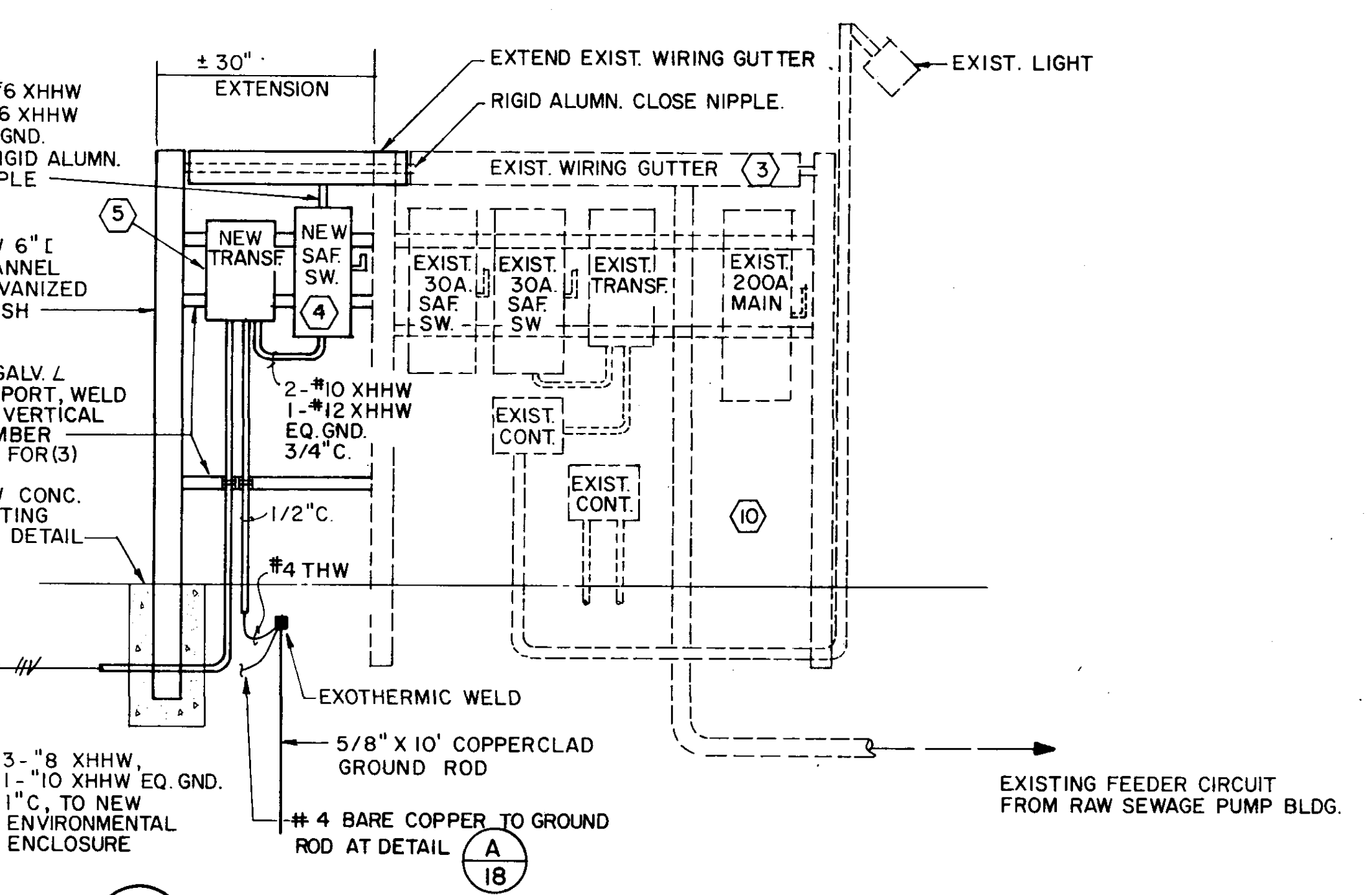
DETAIL C BARNETT BLDG. GENERAL FOOT PRINT PLAN
NO SCALE



SITE PLAN
SCALE: 1" = 20'



SECTION B-B
NO SCALE



DETAIL A EXISTING SERVICE MODIFICATION
NO SCALE

GENERAL NOTES: (THIS SHEET)

- LOCATION OF MOUNTING RING IS DIAGRAMMATIC. LOCATE AS RECOMMENDED BY MFR. TO AVOID TURBULENT FLOW. APPROXIMATE LOCATION FOR ESTIMATING PURPOSES IS 6" TO 18" UPSTREAM FROM SLUICE GATE.
- CORE DRILL EXISTING CONCRETE WALL, FILL WITH MODULAR SEAL OR NON-SHRINKING GROUT AFTER CONDUIT IS INSTALLED.
- CLEAN & REPAIR EXISTING WIRING GUTTER, REPLACE ALL SCREWS WITH STAINLESS STEEL AND PAINT EXISTING AND NEW SECTION WITH (3) COATS GREY RUST INHIBITOR PAINT.
- 30 AMP, 2P, NEMA 4 STAINLESS STEEL FUSED SAFETY SWITCH FUSED AT 125% OF TRANSFORMER FULL LOAD AMPS. FUSE SHALL BE FR-S R CURRENT LIMITING OR APPROVED EQUAL.
- 2.0 KVA, 480 VOLT SINGLE PHASE PRIMARY TO 120/240 VOLT SINGLE PHASE SECONDARY WITH ELECTROSTATIC SHIELD. TRANSFORMER SHALL BE IN WEATHER RESISTANT FINISH TO PROTECT TRANSFORMER FROM EXPOSURE TO METHANE AND HYDROGEN SULFIDE GASES.
- APPROX. LOCATION OF FREE STANDING RATIO ANTENNA TOWER AND ANTENNA.
- SENSOR CABLE CONDUIT OUTSIDE MANHOLE SHALL BE RIGID STEEL CONDUIT WITH INNER AND OUTER COATED PVC. INSTALL SEAL-OFF FITTING IN VERTICAL. INSTALL NON-HARDENING SEALING COMPOUND IN SEAL-OFF FITTING FOR EASY REMOVAL.
- NOT USED
- THIS DETAIL SIMILAR TO DETAIL AT SECTION A-A, SHEET 16 OF 21.
- CLEAN RUST OFF ALL EXISTING EQUIPMENT, CONDUIT AND CONNECTIONS AND PRIME AND PAINT (3) COATS PVC PAINT.
- ANTENNA TOWER AND CONNECTIONS NOT SHOWN COMPLETE AT THIS STATION. ANTENNA TOWER AND CONNECTIONS SHALL BE SIMILAR TO DETAIL SHOWN ON SHEET NO. 16.

CITY OF JACKSON, MISSISSIPPI
CITY PROJECT NO. 281.5

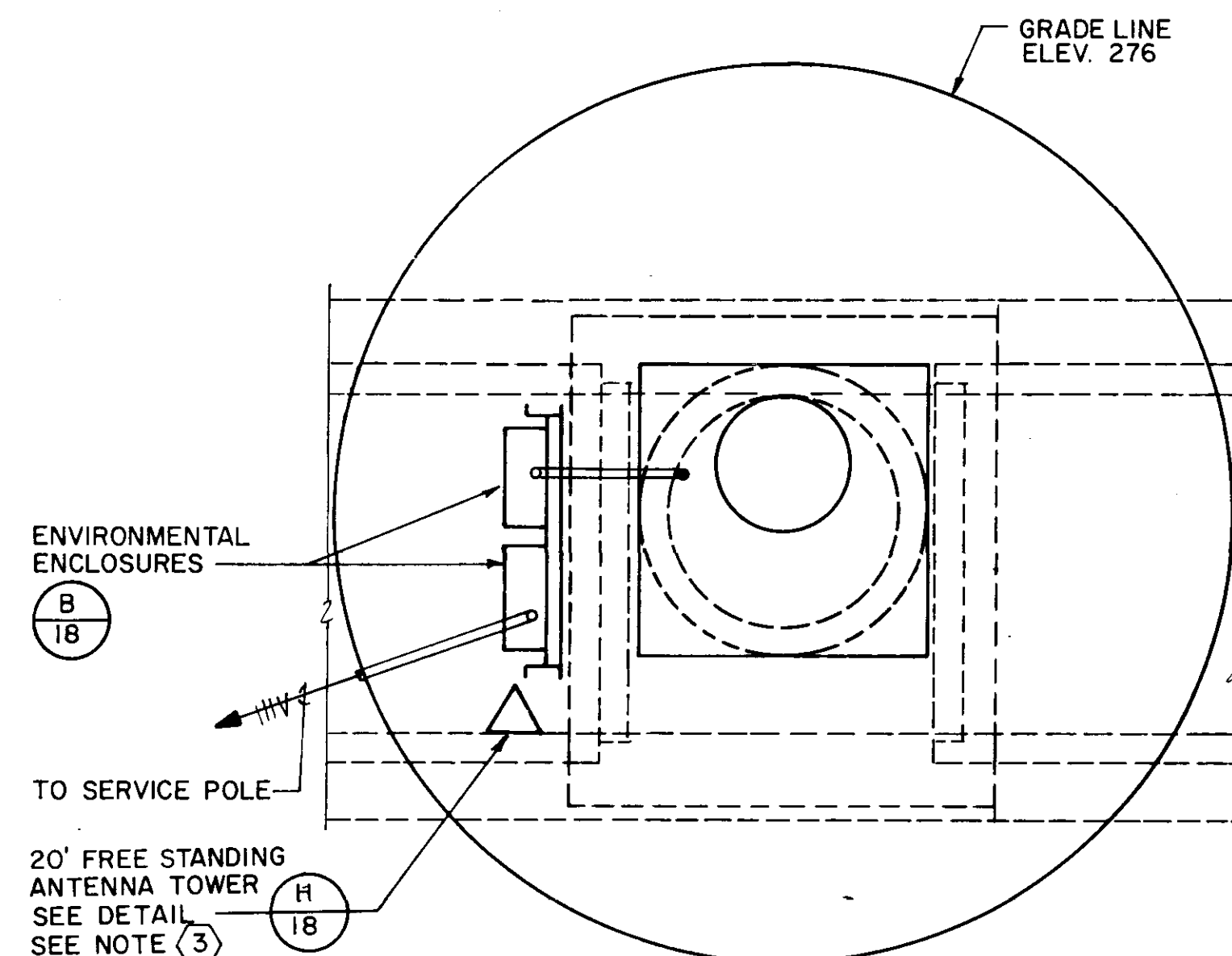
ELEC. & INSTRUMENTATION DETAILS
STATION NO. WBI - CANY CREEK

SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM

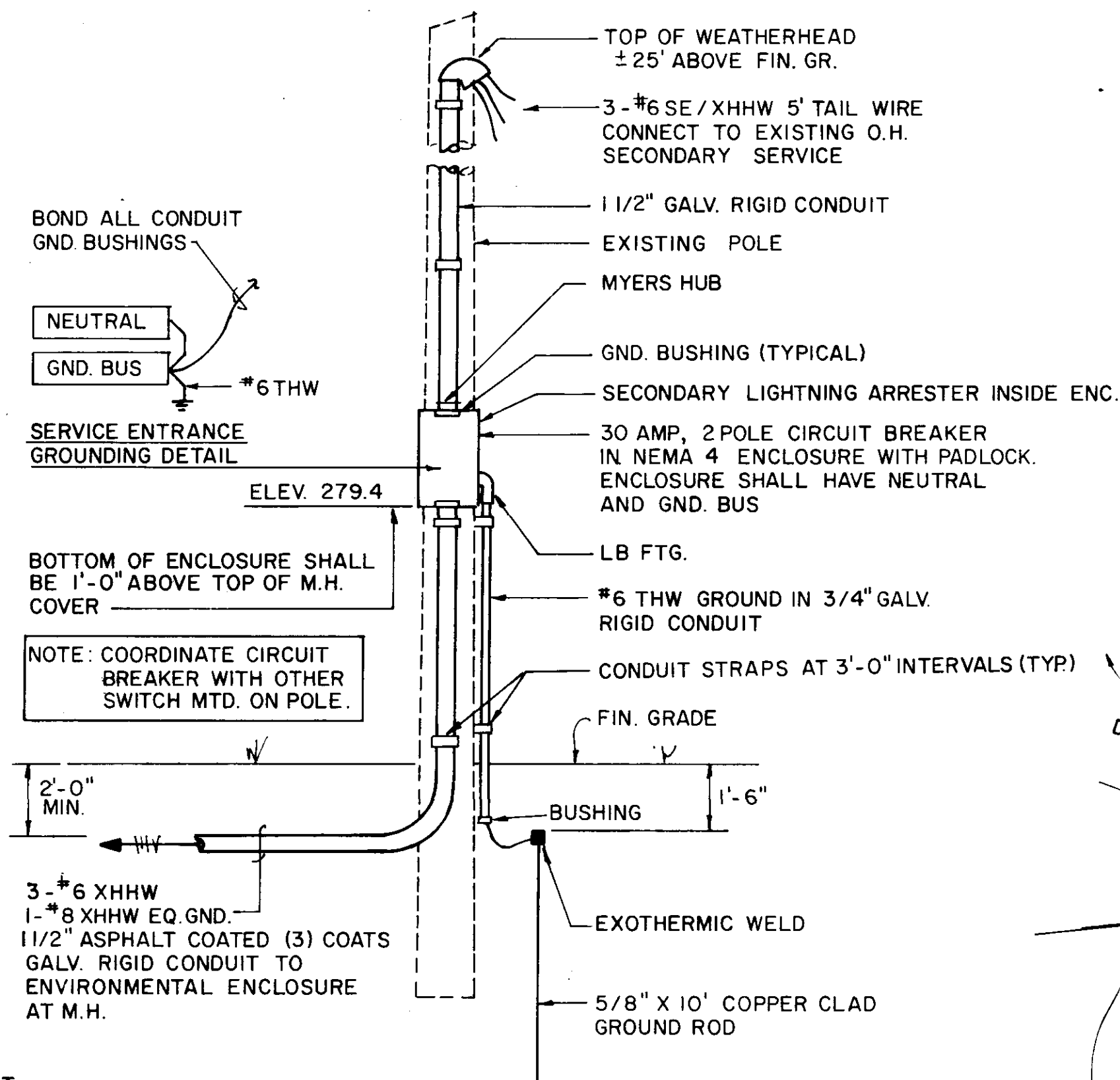
DSGN: JWL 2-90
DRWN: MON 2-90
CHKD: VGR 12-95
SCALE: SHOWN

NEEL-SCHAFFER, INC.
ENGINEERS, PLANNERS & ARCHITECTS
JACKSON, MISSISSIPPI

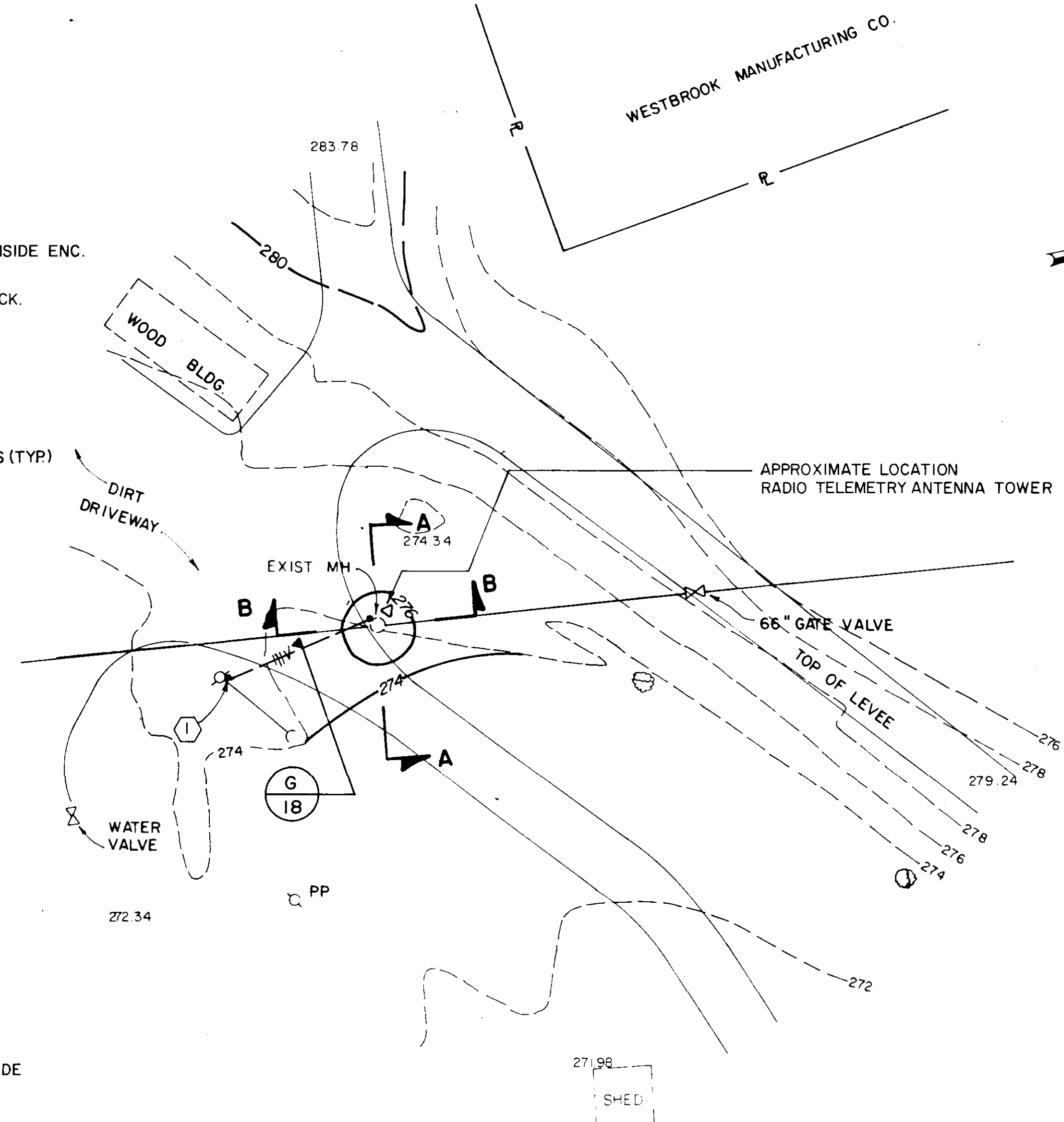
DRAWING NO.
14 OF 21



PLAN VIEW - M.H. TOP
NO SCALE

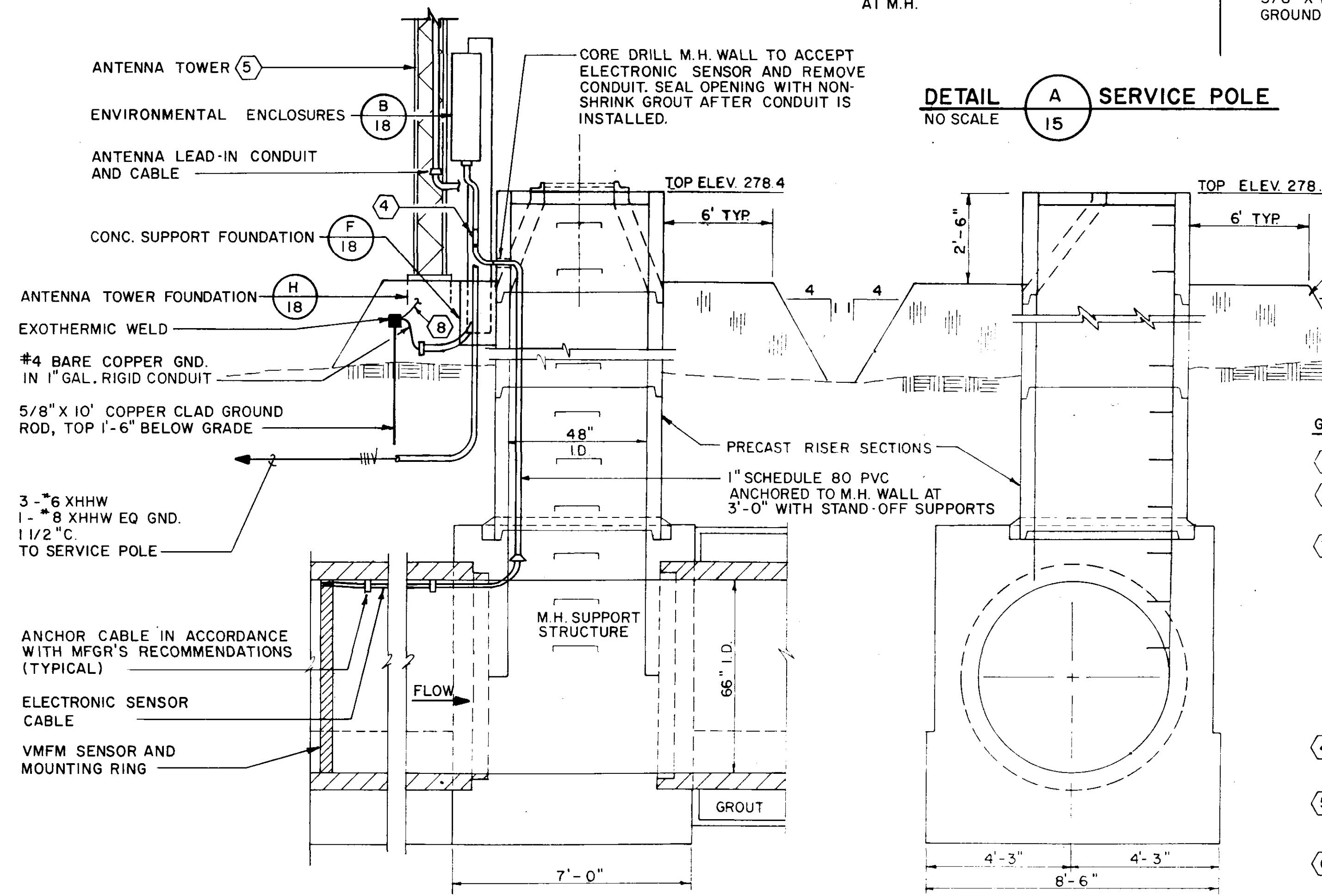


DETAIL A SERVICE POLE
NO SCALE



SITE PLAN
SCALE: 1" = 20'

- LEGEND**
- 274 --- EXISTING CONTOURS
 - - - 274 - - - PROPOSED CONTOURS
 - R — PROPERTY LINE
 - ⊙ EXISTING MANHOLE
 - ⊕ EXISTING POWER POLE
 - ⊗ EXISTING WATER VALVE
 - ⊙ EXISTING TREE
 - — — UNDERGROUND ELEC. SECONDARY SERVICE
 - △ RADIO TELEMETRY ANTENNA TOWER



SECTION A-A
N.T.S.

SECTION B-B
N.T.S.

- GENERAL NOTES (THIS SHEET)**
- (1) EXISTING SECONDARY SERVICE POLE. SEE DETAIL (A 15)
 - (2) NOT USED
 - (3) LOCATION OF RADIO TELEMETRY IS DIAGRAMMATIC. EXACT LOCATION WITH RESPECT TO ENVIRONMENTAL ENCLOSURES SUPPORT RACK SHALL BE FIELD DETERMINED. CONTRACTOR SHALL FURNISH LAYOUT SHOP DRAWING OF ENCLOSURE SUPPORT AND TOWER SHOWING RELATIVE LOCATION OF THE MANHOLE WITH RESPECT TO NEW FILL AND GRADING FOR APPROVAL BY ENGINEER. THE EXACT LOCATION OF THE ENVIRONMENTAL ENCLOSURES IS DIAGRAMMATIC. THEY MAY BE LOCATED AT ANY LOCATION ALONG THE DIAMETER OF THE MANHOLE AS DIRECTED BY THE ENGINEER. EXACT LOCATION SHALL BE DETERMINED AFTER THE PLATFORM IS INSTALLED.
 - (4) CHANGE FROM SCHEDULE 40 PVC TO GALV. RIGID INNER AND OUTER COATED PVC. INSTALL SEAL-OFF FITTING, FILL WITH NON-SHRINK COMPOUND.
 - (5) ANTENNA TOWER AND CONNECTIONS NOT SHOWN COMPLETE AT THIS STATION. ANTENNA TOWER AND CONNECTIONS SHALL BE SAME AS SHOWN ON DRAWING NO. 16.
 - (6) NOT ALL CONDUITS ARE SHOWN ON THIS DRAWING. REFER TO DETAILS ON DRAWING NO. 18 AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - (7) SENSOR CABLE CONDUIT OUTSIDE MANHOLE SHALL BE RIGID STEEL CONDUIT WITH INNER AND OUTER COATED PVC. INSTALL SEAL-OFF FITTING IN VERTICAL. INSTALL NON-HARDENING SEALING COMPOUND IN SEAL-OFF FITTING FOR EASY REMOVAL.
 - (8) #4 BARE COPPER GROUND IN 1" GALV. RIGID CONDUIT TO RADIO ANTENNA TOWER LIGHTNING ARRESTER, BOND WITH MECHANICAL CLAMP.

CITY OF JACKSON, MISSISSIPPI
CITY PROJECT NO. 281.5

ELEC. & INSTRUMENTATION DETAILS
STATION NO. WB2 - FAIRGROUNDS

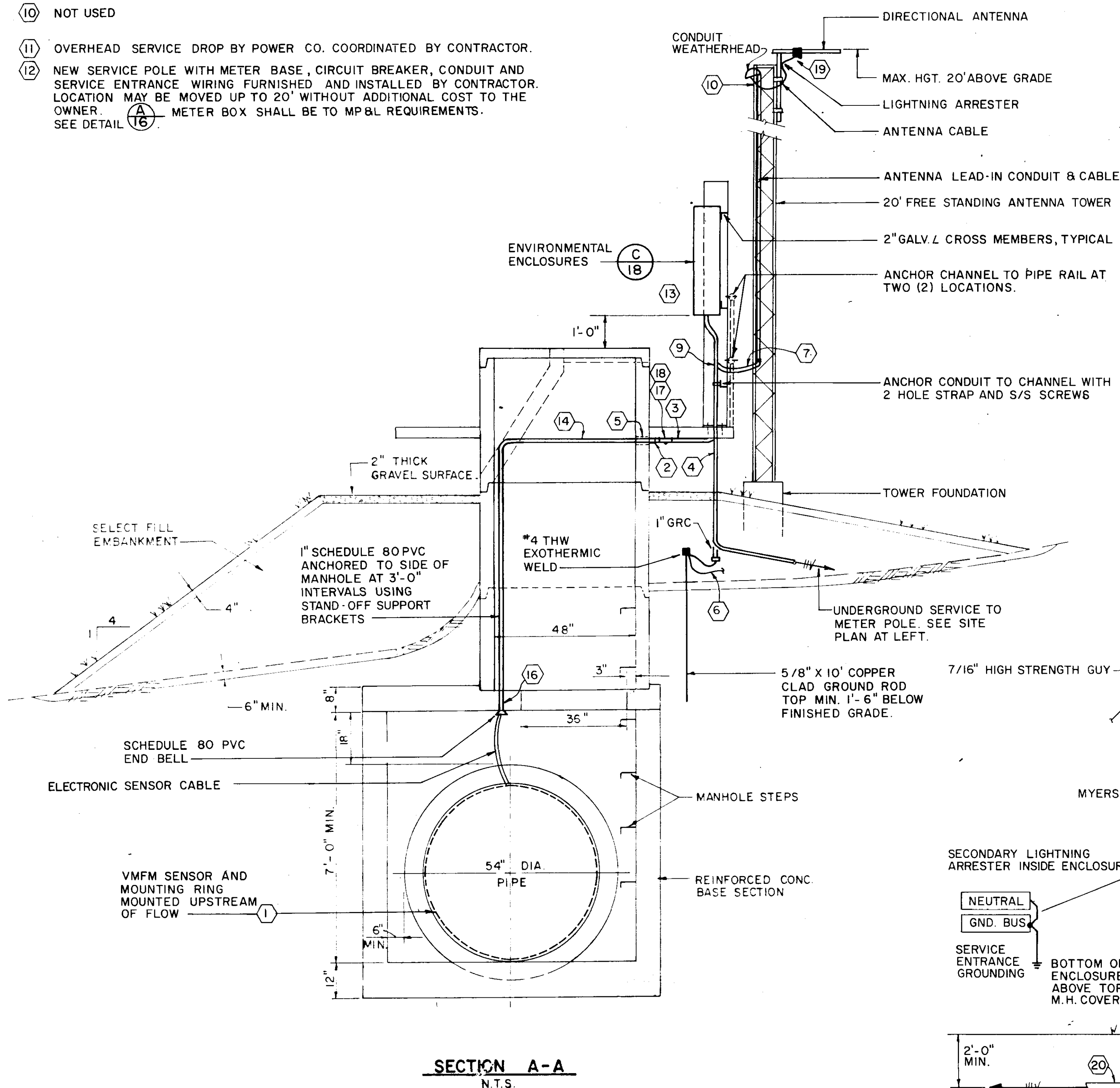
SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM

DSGN: JWL 2-99	NEEL-SCHAFFER INC.	DRAWING NO.
DRWN: MON 2-99	1100 N. GULF BLVD.	15 of 21
CHKD: VGR 7-95	JACKSON, MISSISSIPPI	
SCALE: SHOWN		

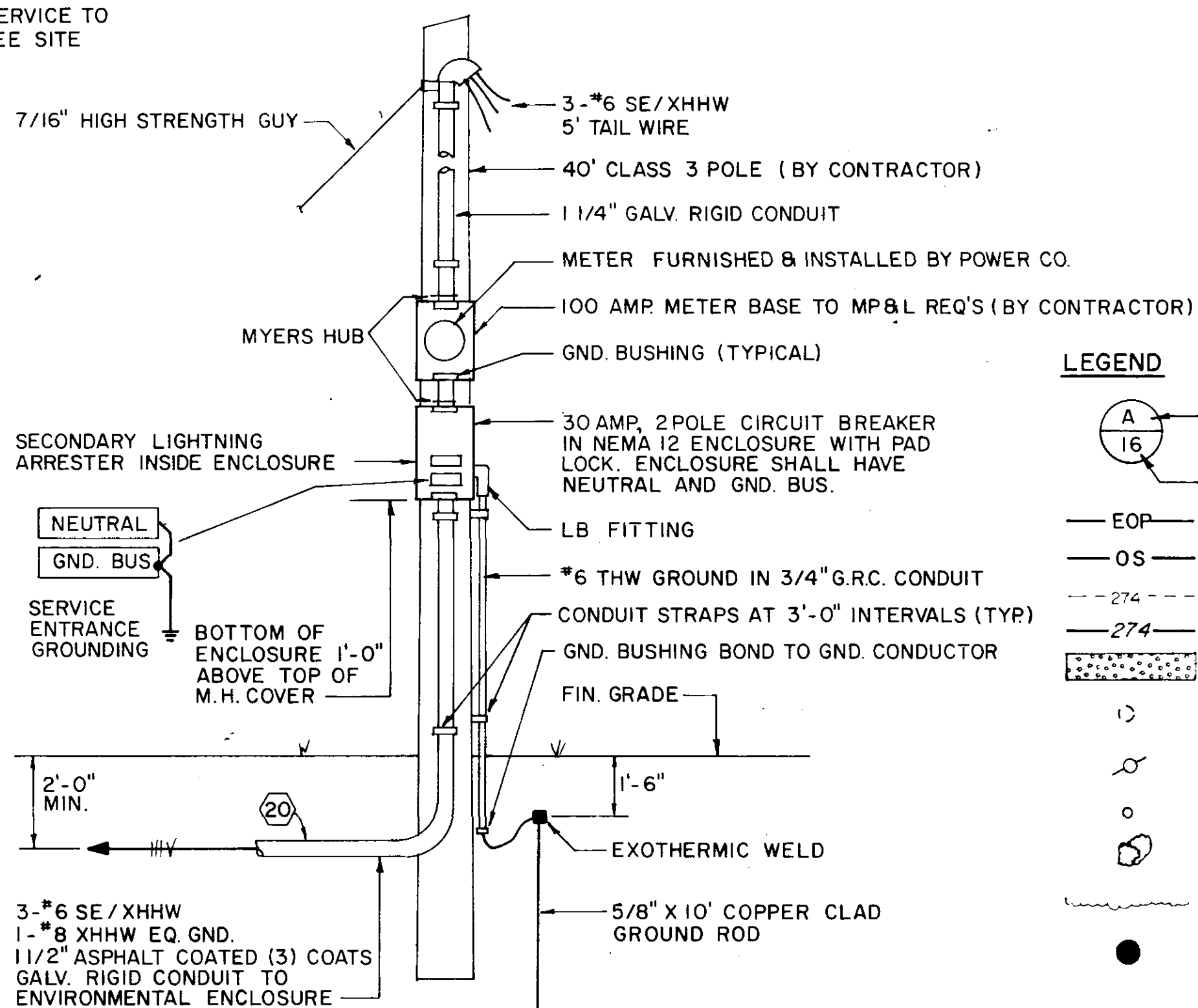
GENERAL NOTES: (THIS SHEET)

- 1 LOCATE BAND IN UPSTREAM PIPE AS RECOMMENDED BY MFR.
- 2 GALV. RIGID TO SCHEDULE 80 PVC ADAPTER.
- 3 ANCHOR CONDUIT TO BOTTOM OF PLATFORM.
- 4 ROUTE CONDUITS UP THRU PLATFORM, CUT OPENING, GRIND EDGES AS REQUIRED AND PAINT EDGES WITH (3) COATS GALVANIZE PAINT.
- 5 CORE DRILL SIDE OF EXISTING MANHOLE WALL FOR 1" CONDUIT ENTRY. SEAL OPENING WITH NON-SHRINK GROUT AFTER CONDUIT INSTALLATION.
- 6 #4 BARE COPPER GROUND IN 1" GALV. RIGID CONDUIT TO RADIO ANTENNA TOWER LIGHTNING ARRESTER. BOND WITH MECHANICAL CLAMP.
- 7 LIQUID-TITE FLEXIBLE CONDUIT CONNECTION FROM ENCLOSURE TO TOWER.
- 8 ALL FERROUS CONDUIT FITTINGS SHALL BE COATED WITH (3) COATS PVC PAINT.
- 9 SENSOR CABLE CONDUIT OUTSIDE MANHOLE SHALL BE STEEL RIGID CONDUIT WITH INNER AND OUTER COATED PVC. INSTALL SEAL-OFF FITTING IN VERTICAL. INSTALL NON-HARDENING SEALING COMPOUND IN SEAL-OFF FITTING FOR EASY REMOVAL.
- 10 NOT USED
- 11 OVERHEAD SERVICE DROP BY POWER CO. COORDINATED BY CONTRACTOR.
- 12 NEW SERVICE POLE WITH METER BASE, CIRCUIT BREAKER, CONDUIT AND SERVICE ENTRANCE WIRING FURNISHED AND INSTALLED BY CONTRACTOR. LOCATION MAY BE MOVED UP TO 20' WITHOUT ADDITIONAL COST TO THE OWNER. **(A)** METER BOX SHALL BE TO MP&L REQUIREMENTS. SEE DETAIL **(16)**.

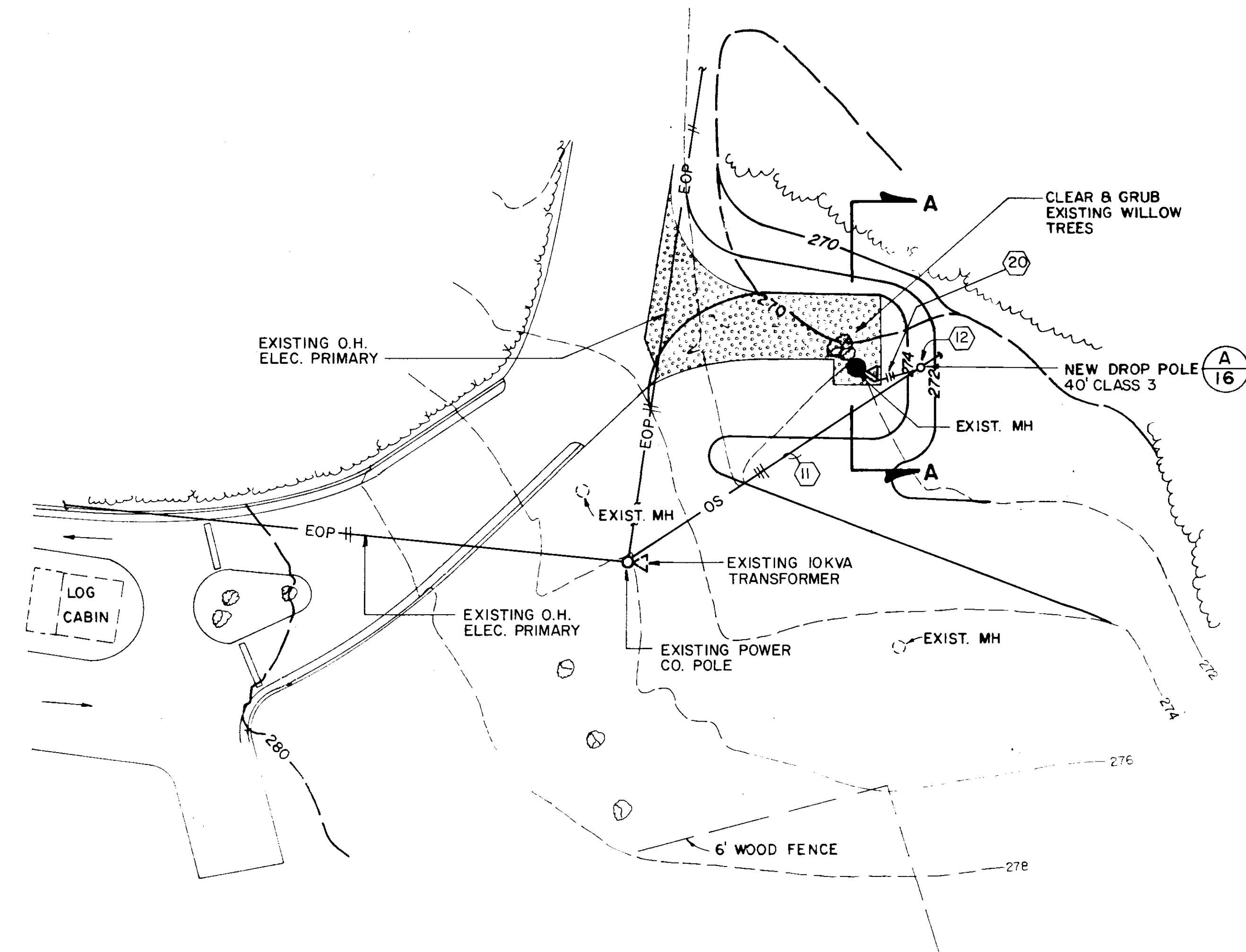
- 13 LOCATION OF ENVIRONMENTAL ENCLOSURE, SUPPORT STRUCTURE AND ANTENNA TOWER IS SHOWN DIAGRAMMATICALLY ONLY. EXACT ORIENTATION AND LOCATION ON M.H. WALK STRUCTURE SHALL BE VERIFIED WITH ENGINEER PRIOR TO ROUGH-IN. NO ADDITIONAL COST TO THE CONTRACT WILL BE ALLOWED.
- 14 THIS CONDUIT IS SHOWN DIAGRAMMATICALLY, ROUTE IN MANHOLE TO COORDINATE WITH ACCESS LADDER TO PREVENT INTERFERENCE WITH MAINTENANCE. (VERIFY ALL ROUTING).
- 15 VERIFY SENSOR CABLE AND AIR HOSE LENGTH IN ACCORDANCE WITH MFR'S. RECOMMENDATIONS.
- 16 CORE DRILL CONCRETE TOP PANEL TO RECEIVE 1" CONDUIT.
- 17 SEAL-OFF FITTING IN CONDUIT. SEAL WITH NON-HARDENING COMPOUND.
- 18 THIS PORTION OF GALV. RIGID CONDUIT FOR SENSOR CABLE SHALL BE INNER & OUTER COATED PVC.
- 19 MOUNT LIGHTNING ARRESTER AT CABLE TERMINALS, ROUTE #4 BARE CONDUCTOR IN 1" RIGID CONDUIT DOWN TOWER LEG AND TERMINATE UNDERGROUND AT GROUND ROD. BOND BOTH ENDS OF CONDUIT TO GND. CONDUCTOR.
- 20 UNDERGROUND SERVICE ENTRANCE TO ENVIRONMENTAL ENCLOSURE.



SECTION A-A
N.T.S.



DETAIL A SERVICE POLE
NO SCALE **(16)**



SITE PLAN
SCALE: 1"=20'

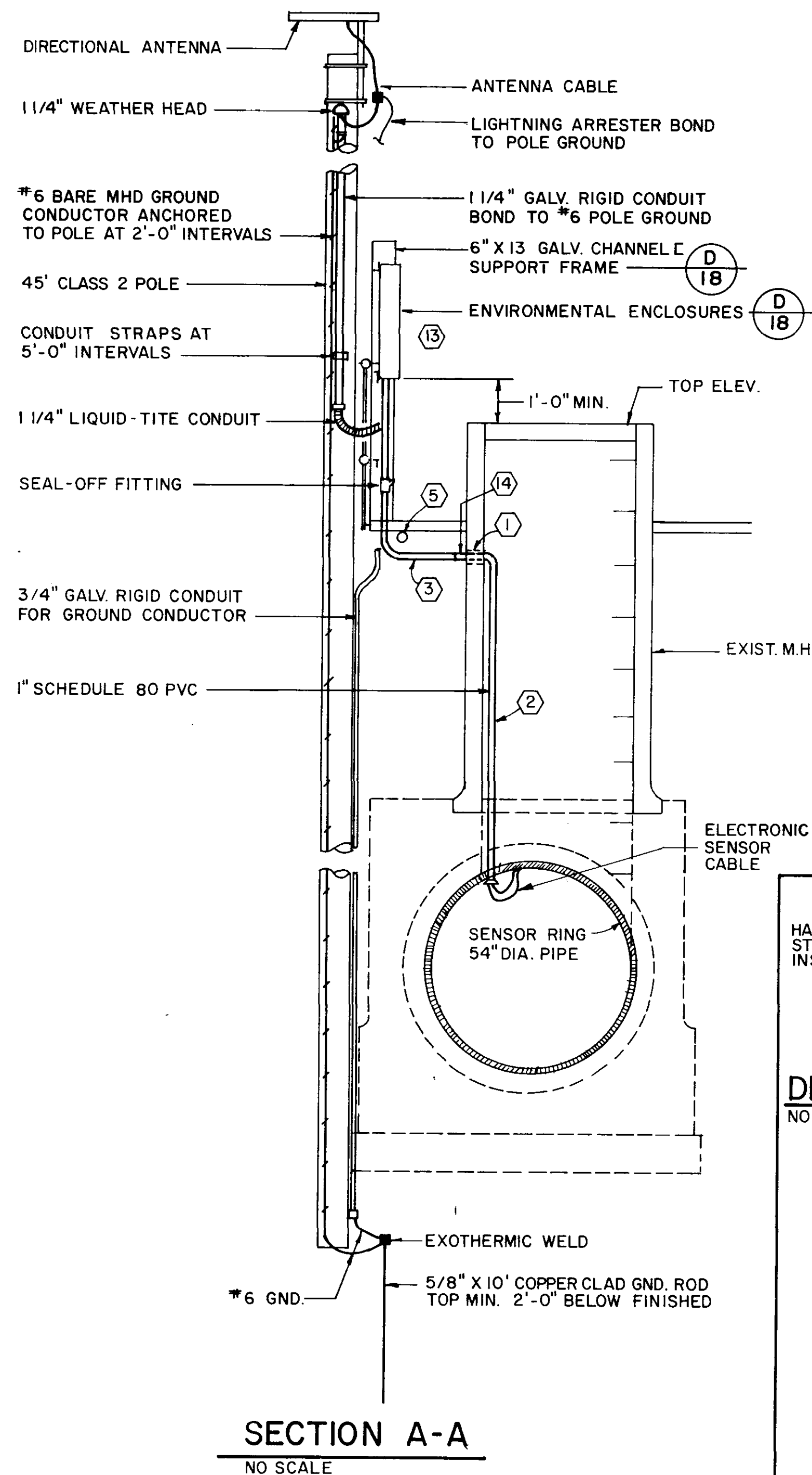
LEGEND

- (A)** DETAIL DESIGNATION LETTER
- (16)** DRAWING NUMBER WHERE DETAIL IS LOCATED
- EOP** EXISTING OVERHEAD ELECTRICAL PRIMARY
- OS** NEW OVERHEAD SERVICE ENTRANCE
- 274-** EXISTING CONTOURS
- 274-** PROPOSED CONTOURS
- [Pattern]** GRAVEL
- (M)** EXISTING MANHOLE
- (P)** EXISTING POWER POLE
- (D)** DROP POLE (METERING)
- (T)** EXISTING TREE
- (●)** TREE LINE
- (●)** PROPOSED METERING STATION

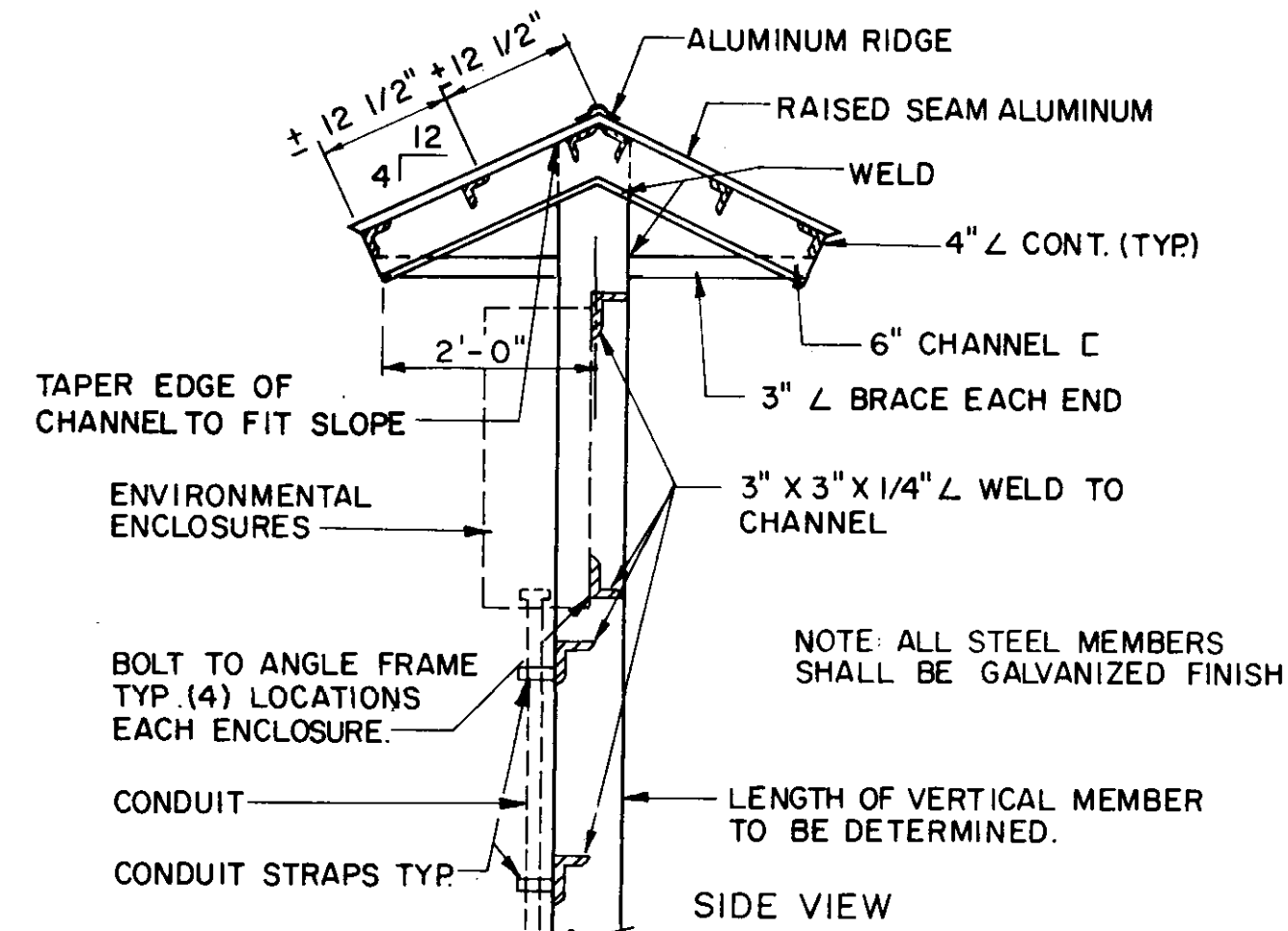
CITY OF JACKSON, MISSISSIPPI CITY PROJECT NO. 281.5	
ELEC. & INSTRUMENTATION DETAILS STATION NO. WB3-LAKELAND	
SEWER METERING STATIONS WEST BANK INTERCEPTOR SYSTEM	
DSGN: JWL 2-90 DRWN: MoN 2-90 CHKD: VGR 12-95 SCALE: SHOWN	DRAWING NO. 16 of 21 NEEL-SCHAFFER INC. ENGINEERS & PLANNERS JACKSON, MISSISSIPPI

GENERAL NOTES: (THIS DETAIL)

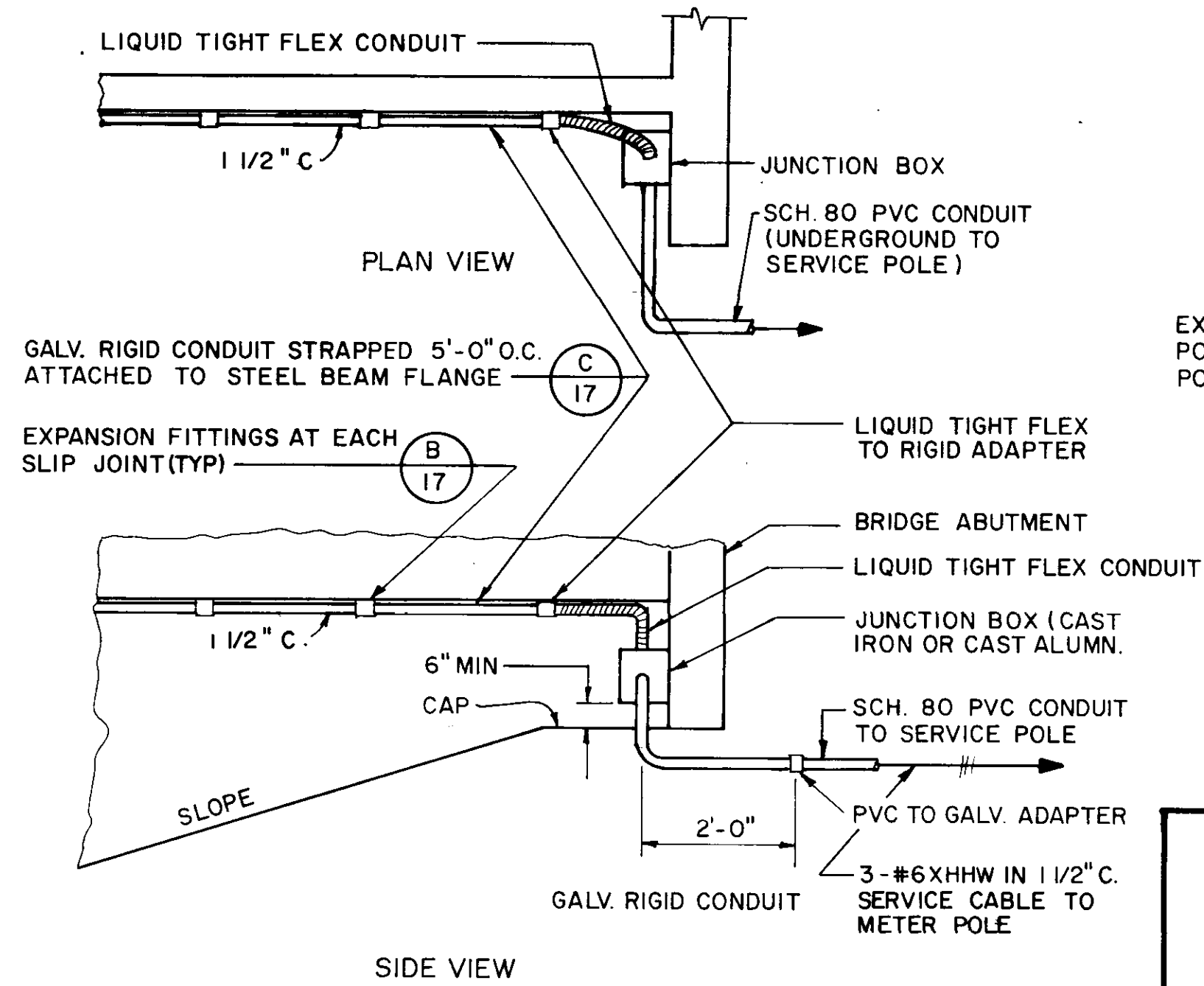
- 1 CORE DRILL SIDE OF MANHOLE TO ACCEPT 1" ELECTRONIC SENSOR CONDUIT, SEAL AROUND CONDUIT WITH NON-SHRINK GROUT.
- 2 ANCHOR CONDUIT TO SIDE OF MANHOLE WITH STAND OFF SUPPORT BRACKETS AT 3'-0" INTERVALS.
- 3 1" CONDUIT FOR ELECTRONIC SENSOR CABLE EXTERIOR MANHOLE SHALL BE GALV. RIGID CONDUIT INNER AND OUTER COATED PVC. ANCHOR CONDUIT TO BOTTOM OF WALK STRUCTURE.
- 4 NOT USED
- 5 SERVICE ENTRANCE CONDUIT TO WALKWAY BRIDGE ANCHORED TO BOTTOM OF STRUCTURE.
- 6 ENVIRONMENTAL ENCLOSURES, RACK, ANTENNA POLE IS SHOWN DIAGRAMMATICALLY ONLY. LOCATION AT MANHOLE SHALL BE FIELD DETERMINED AS DIRECTED BY ENGINEER. CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR APPROVAL.
- 7 INSTALLATION OF ELECTRICAL WORK SHALL BE COORDINATED WITH INSTALLATION OF ELEVATED WALK AND SUPPORT PLATFORM.
- 8 INSTALLATION OF ANTENNA POLE WILL BE HAND DUG.
- 9 ALL EXPOSED METAL FRAMING, CONDUIT, PANELS SHALL BE PAINTED WITH (3) COATS PVC PAINT AFTER INSTALLATION. PAINT CONDUIT ATTACHED TO ANTENNA POLE PRIOR TO ATTACHMENT TO POLE.
- 10 POLE DEPTH SHALL BE AS RECOMMENDED FOR SWAMP LOCATIONS.
- 11 LOCATE ANTENNA POLE TO COORDINATE WITH MANHOLE SUPPORT FOUNDATION.
- 12 ALL ANCHOR OR ATTACHMENT BOLTS AND SCREWS SHALL BE STAINLESS STEEL.
- 13 ANCHOR ENVIRONMENTAL ENCLOSURE STRUCTURE TO TOP HAND RAIL.
- 14 GALV. TO SCHEDULE 80 PVC ADAPTER



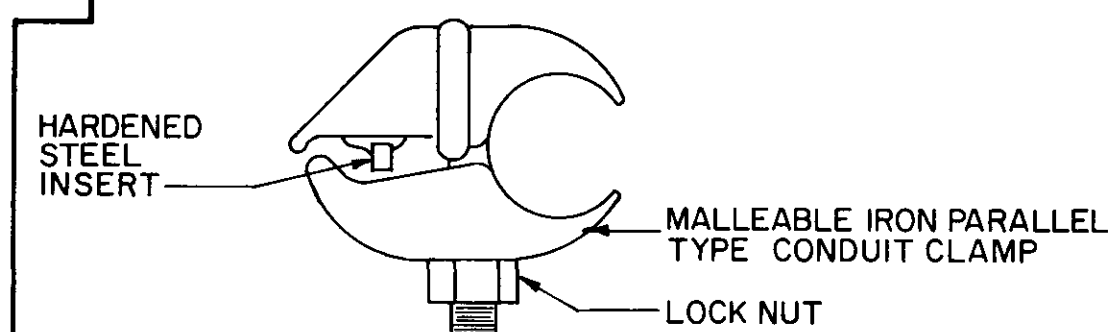
SECTION A-A
NO SCALE



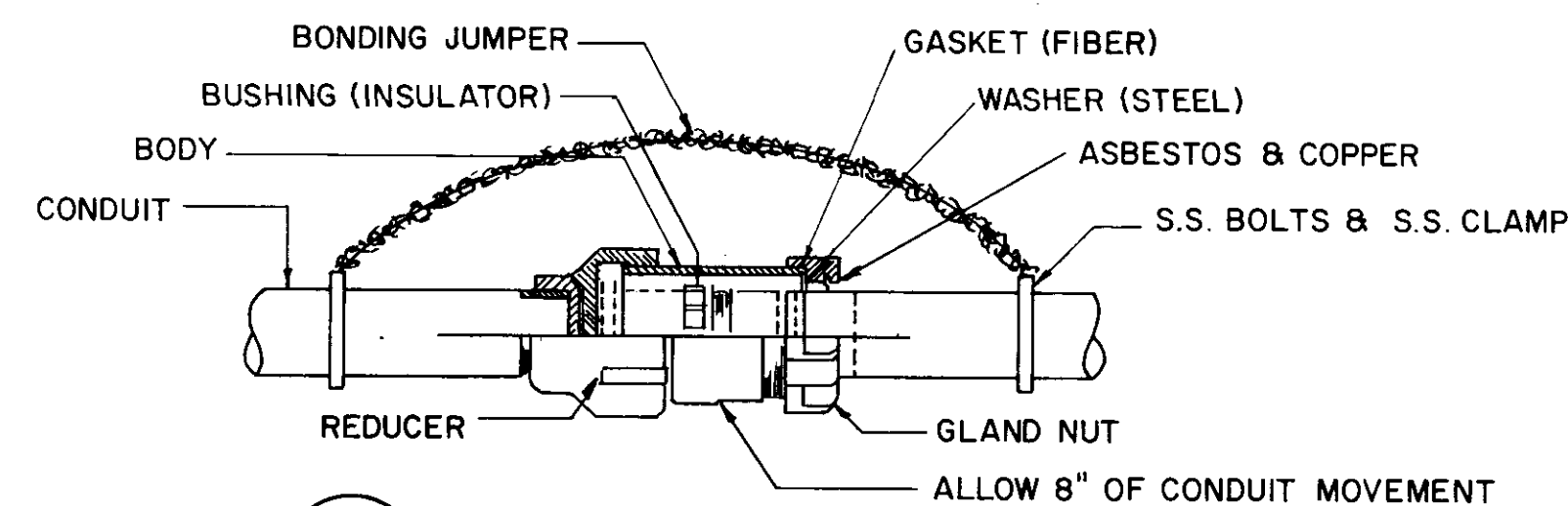
DETAIL E ENVIRONMENTAL ENCLOSURES SUPPORT STRUCTURE
NO SCALE



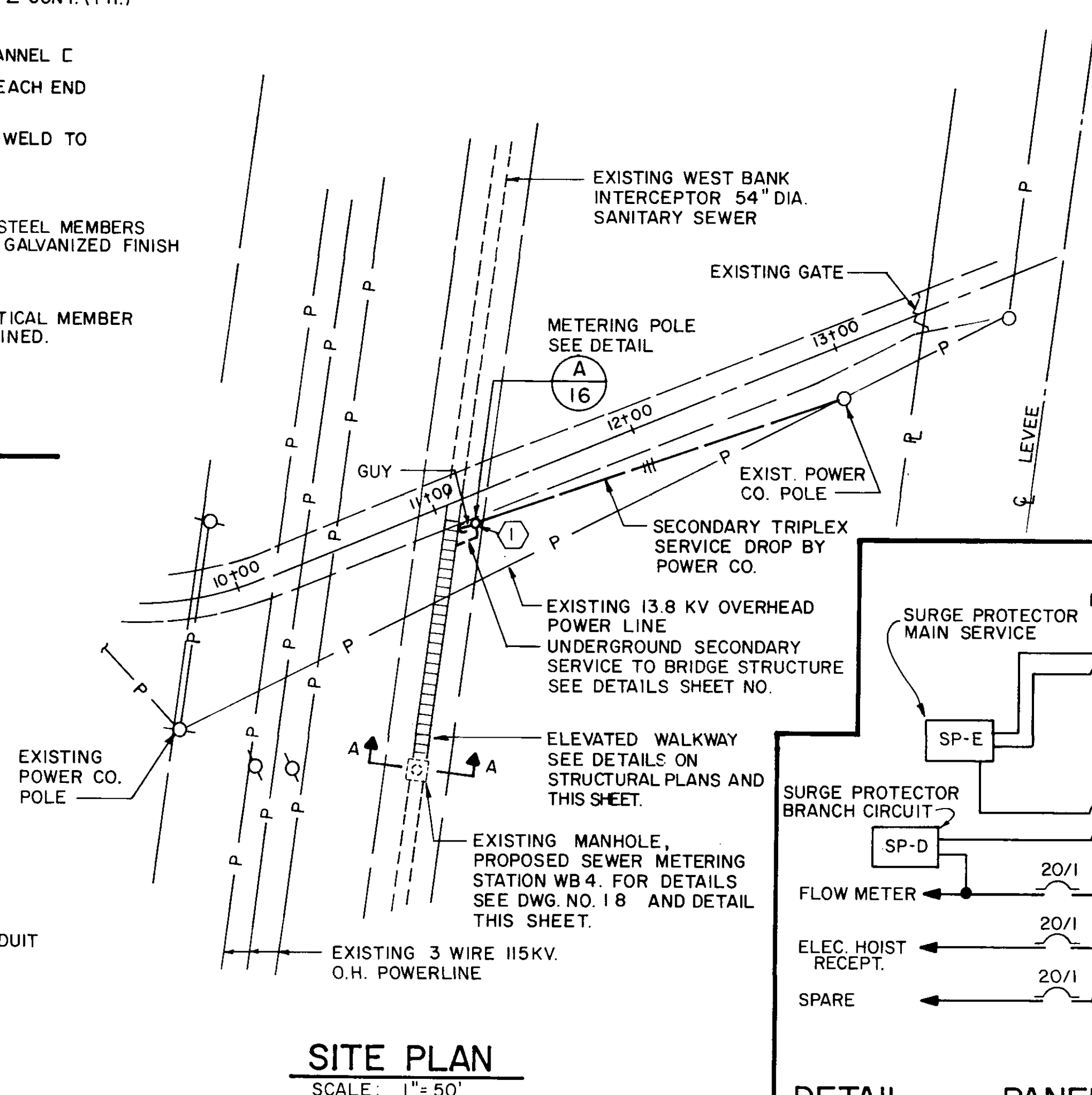
DETAIL A CONDUIT MTG. AT BRIDGE ABUTMENT
NO SCALE



DETAIL C STEEL STRUCTURE FASTENING
NO SCALE



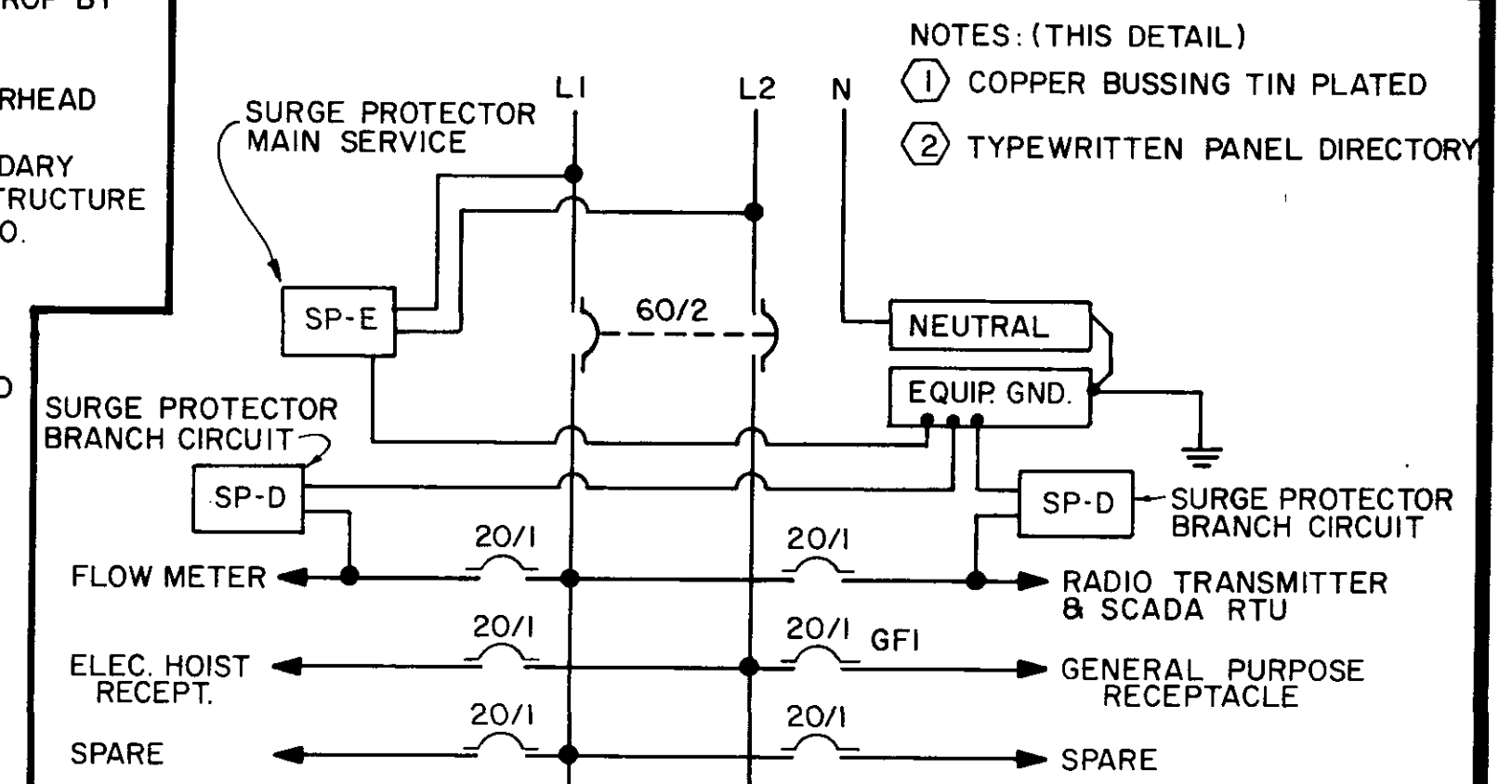
DETAIL B EXPANSION FITTING
NO SCALE



SITE PLAN
SCALE: 1" = 50'

GENERAL NOTES (SITE PLAN)

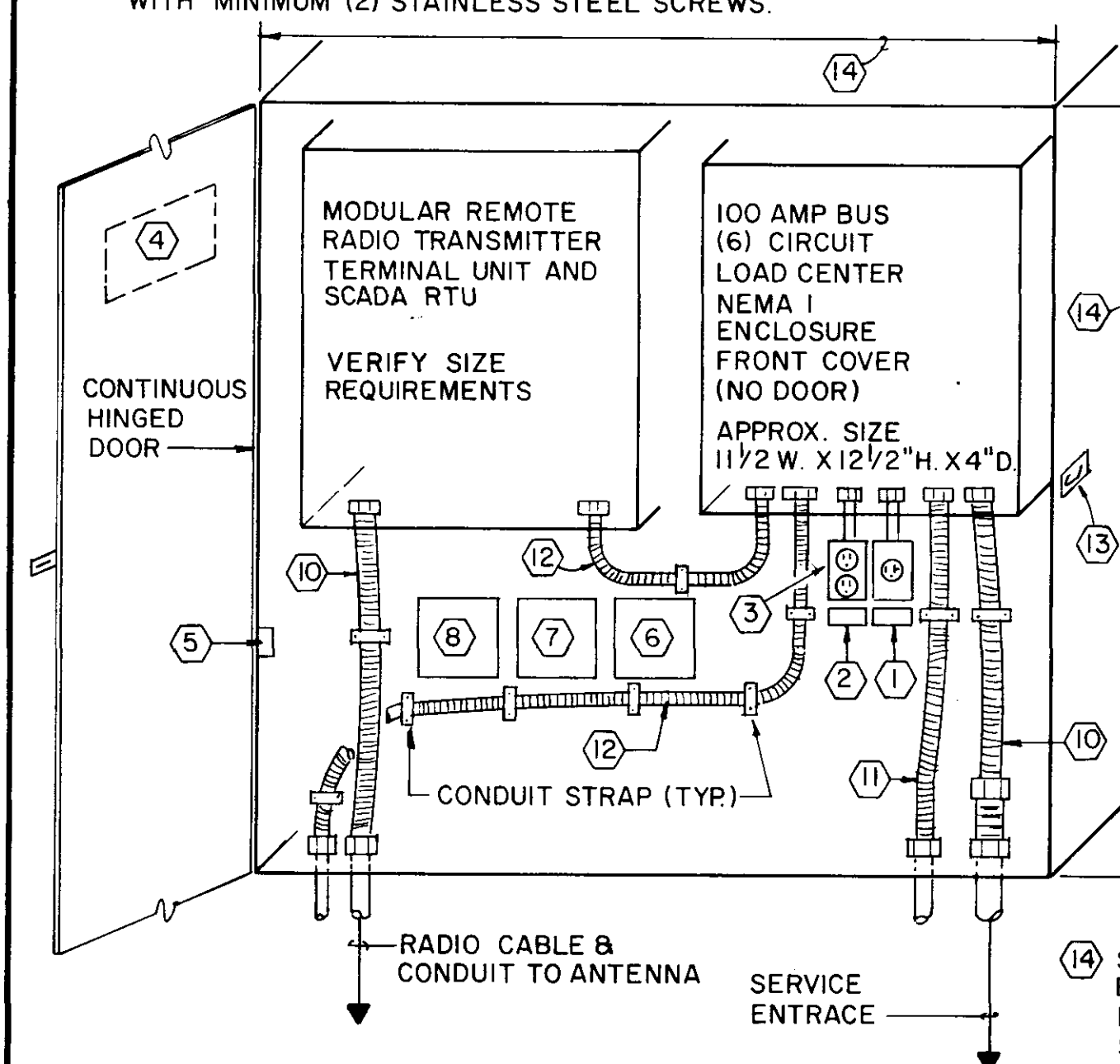
- 1 EXACT LOCATION OF METER POLE SHALL BE LOCATED ON SANITARY SEWER EASEMENT AND FIELD VERIFIED WITH POWER CO. AND ENGINEER.



DETAIL PANEL LOAD CENTER SCHEMATIC
NO SCALE

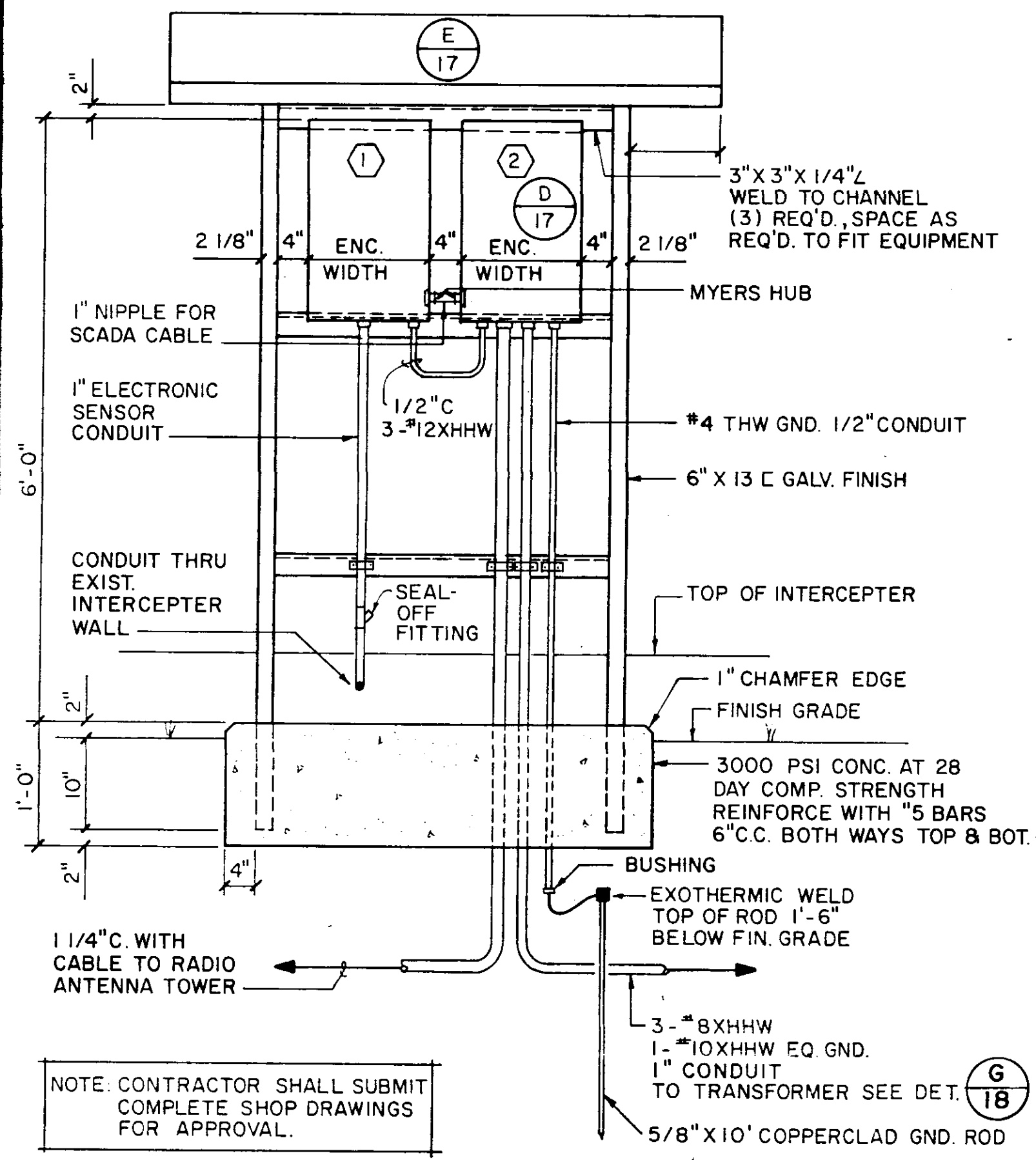
GENERAL NOTES: (THIS DETAIL)

- 1 NAME PLATE FOR POWER HOIST RECEPTACLE. 2 1/2" WIDE X 1" HIGH WITH BLACK 1/8" HIGH LETTERS ON WHITE PHENOLIC PLASTIC BACKGROUND TO READ "POWER HOIST". ATTACH TO BACK PANEL WITH WITH MINIMUM (2) STAINLESS STEEL SCREWS.
- 2 NAME PLATE FOR GENERAL PURPOSE RECEPTACLE. 2 1/2" WIDE X 1" HIGH WITH BLACK 1/8" HIGH LETTERS ON WHITE PHENOLIC PLASTIC BACKGROUND TO READ "GENERAL PURPOSE RECEPTACLE - 6FCI". ATTACH TO BACK PANEL WITH MINIMUM (2) STAINLESS STEEL SCREWS.
- 3 INSTALL HANDY BOX WITH COVER FOR EACH RECEPTACLE. POWER HOIST RECEPT. SHALL BE P & S NO. CRL520-R WITH NO. L520-P PLUG, OR APPROVED EQUAL. GENERAL PURPOSE RECEPTACLE SHALL BE P & S NO. 2091-S WITH COVER OR APPROVED EQUAL.
- 4 GREY PLASTIC PHENOLIC SIGN, WITH RED 1" HIGH LETTERS, SIZED AS REQUIRED, ATTACHED TO FRONT FACE OF PANEL WITH MINIMUM (4) STAINLESS STEEL SCREWS. SIGN SHALL READ "DANGER ELECTRICAL EQUIPMENT - KEEP OUT."
- 5 1" BUSHING FOR RADIO CABLE FROM FLOW METER ENCLOSURE.
- 6 TRANSIENT SURGE PROTECTIVE DEVICE FOR INCOMING SERVICE SHALL BE LIGHTNING ELIMINATORS CAT. NO. SP-E-235-2 OR APPROVED EQUAL.
- 7 TRANSIENT SURGE PROTECTIVE DEVICE FOR BRANCH CIRCUIT TO FLOW METER PANEL SHALL BE LIGHTNING ELIMINATORS CAT. NO. SP-D-130-1 OR APPROVED EQUAL.
- 8 TRANSIENT SURGE PROTECTIVE DEVICE FOR BRANCH CIRCUIT TO RADIO TRANSMITTER PANEL SHALL BE LIGHTNING ELIMINATORS CAT. NO. SP-D-130-1 OR APPROVED EQUAL.
- 9 PANEL LOAD CENTER SHALL BE SQUARE D CAT. NO. Q06-12L 100DTF/S IN NEMA 1 ENCLOSURE WITH BREAKER HANDLES ACCESSIBLE FROM FRONT OR APPROVED EQUAL. PANEL SHALL HAVE 60/2 MAIN BREAKER.
- 10 1 1/4" FLEXIBLE METAL CONDUIT.
- 11 3/4" FLEXIBLE METAL CONDUIT.
- 12 1/2" FLEXIBLE METAL CONDUIT.
- 13 PADLOCK PROVISION
- 14 SIZE ENCLOSURE TO FIT EQUIPMENT. SUBMIT SHOP DRAWING FOR APPROVAL. SEE SPECS. FOR MIN. SIZE.



DETAIL D ENVIRONMENTAL ENCLOSURE FOR RADIO TRANSMITTER & ELEC. PANEL INTERIOR LAYOUT
NO SCALE

CITY OF JACKSON, MISSISSIPPI
CITY PROJECT NO. 281.5
ELEC. & INSTRUMENTATION DETAILS
STATION NO. WB4 - HANGING MOSS
SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM



NOTE: CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR APPROVAL.

3" X 3" X 1/4" L WELD TO CHANNEL (3) REQ'D. SPACE AS REQ'D. TO FIT EQUIPMENT

MYERS HUB

1" NIPPLE FOR SCADA CABLE

1" ELECTRONIC SENSOR CONDUIT

CONDUIT THRU EXIST. INTERCEPTER WALL

1 1/2" C 3-#12XHHW

#4 THW GND. 1/2" CONDUIT

6" X 13 C GALV. FINISH

TOP OF INTERCEPTER

1" CHAMFER EDGE FINISH GRADE

3000 PSI CONC. AT 28 DAY COMP. STRENGTH REINFORCE WITH 5 BARS 6" C.C. BOTH WAYS TOP & BOT.

BUSHING

EXOTHERMIC WELD TOP OF ROD 1'-6" BELOW FIN. GRADE

1 1/4" C. WITH CABLE TO RADIO ANTENNA TOWER

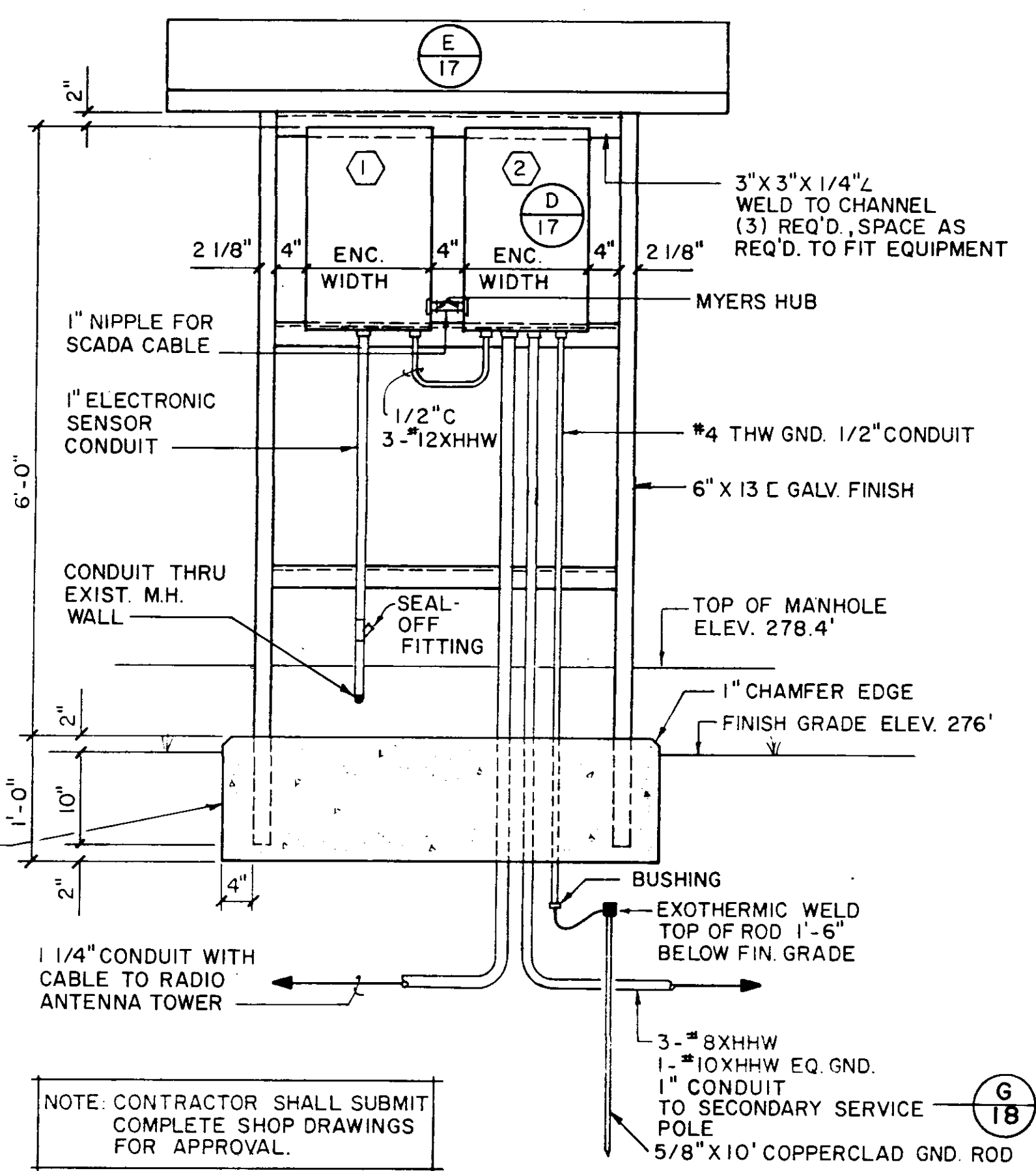
3-#8XHHW 1-#10XHHW EQ. GND. 1" CONDUIT TO TRANSFORMER SEE DET. (G) 18

5/8" X 10' COPPERCLAD GND. ROD

DETAIL A ENVIRONMENTAL ENCLOSURES SUPPORT STRUCTURE
NO SCALE (18)

THIS DETAIL IS APPLICABLE TO STATION WB1 - TREATMENT PLANT

- GENERAL NOTES: (THIS DETAIL)
- ① FLOW METER ENVIRONMENTAL ENCLOSURE
 - ② ENVIRONMENTAL ENCLOSURE FOR RADIO TRANSMITTER, SCADA SYSTEM RTU, ELECTRICAL PANEL AND ELEC. TERMINALS.



NOTE: CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR APPROVAL.

3" X 3" X 1/4" L WELD TO CHANNEL (3) REQ'D. SPACE AS REQ'D. TO FIT EQUIPMENT

MYERS HUB

1" NIPPLE FOR SCADA CABLE

1" ELECTRONIC SENSOR CONDUIT

CONDUIT THRU EXIST. M.H. WALL

1 1/2" C 3-#12XHHW

#4 THW GND. 1/2" CONDUIT

6" X 13 C GALV. FINISH

TOP OF MANHOLE ELEV. 278.4'

1" CHAMFER EDGE FINISH GRADE ELEV. 276'

BUSHING

EXOTHERMIC WELD TOP OF ROD 1'-6" BELOW FIN. GRADE

1 1/4" CONDUIT WITH CABLE TO RADIO ANTENNA TOWER

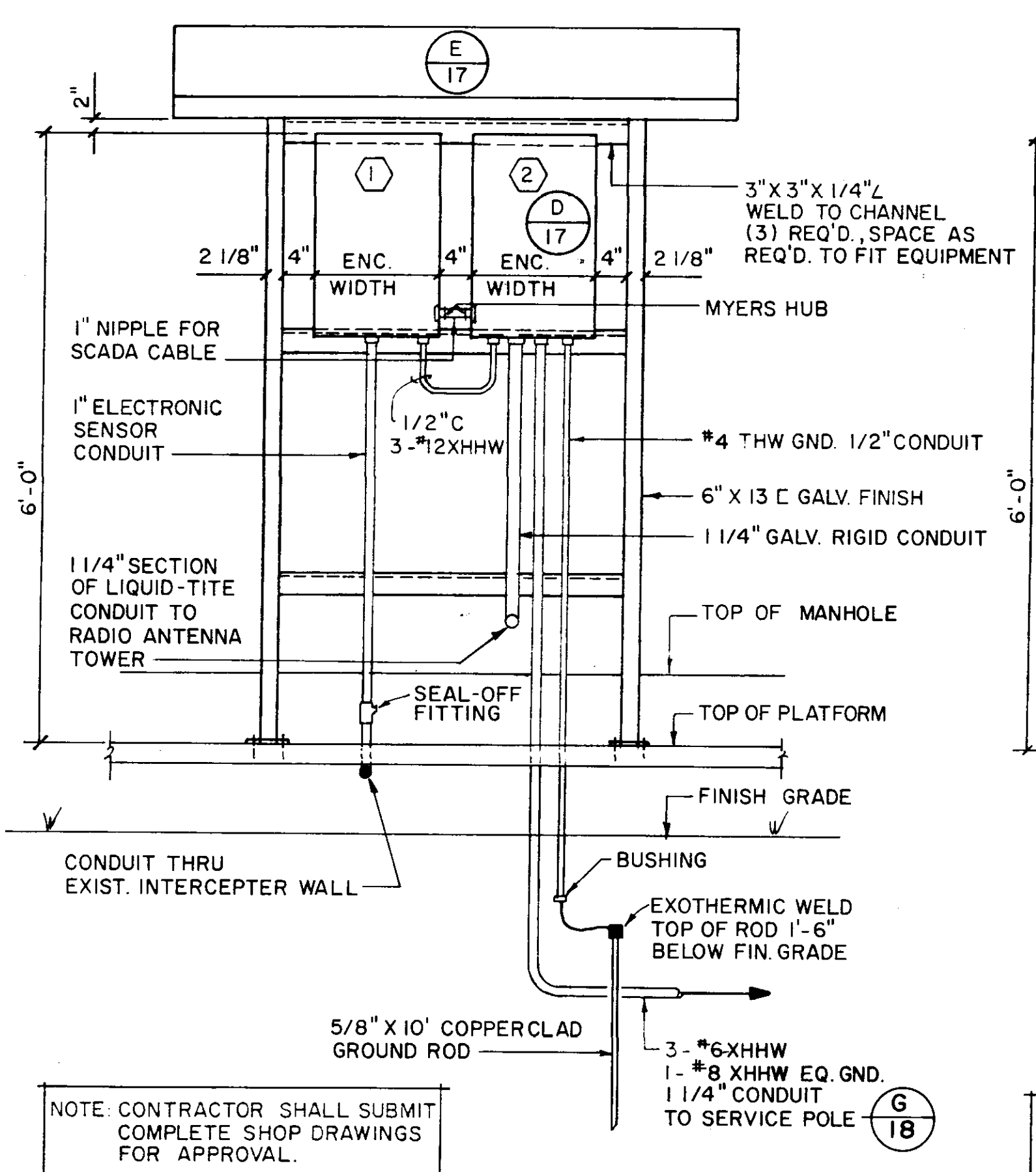
3-#8XHHW 1-#10XHHW EQ. GND. 1" CONDUIT TO SECONDARY SERVICE POLE (G) 18

5/8" X 10' COPPERCLAD GND. ROD

DETAIL B ENVIRONMENTAL ENCLOSURES SUPPORT STRUCTURE
NO SCALE (18)

THIS DETAIL IS APPLICABLE TO STATION WB2 - FAIRGROUND

- GENERAL NOTES: (THIS DETAIL)
- ① FLOW METER ENVIRONMENTAL ENCLOSURE
 - ② ENVIRONMENTAL ENCLOSURE FOR RADIO TRANSMITTER, SCADA SYSTEM RTU, ELECTRICAL PANEL AND ELEC. TERMINALS.



NOTE: CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR APPROVAL.

3" X 3" X 1/4" L WELD TO CHANNEL (3) REQ'D. SPACE AS REQ'D. TO FIT EQUIPMENT

MYERS HUB

1" NIPPLE FOR SCADA CABLE

1" ELECTRONIC SENSOR CONDUIT

CONDUIT THRU EXIST. INTERCEPTER WALL

1 1/2" C 3-#12XHHW

#4 THW GND. 1/2" CONDUIT

6" X 13 C GALV. FINISH

1 1/4" GALV. RIGID CONDUIT

TOP OF MANHOLE

TOP OF PLATFORM

FINISH GRADE

BUSHING

EXOTHERMIC WELD TOP OF ROD 1'-6" BELOW FIN. GRADE

1 1/4" SECTION OF LIQUID-TITE CONDUIT TO RADIO ANTENNA TOWER

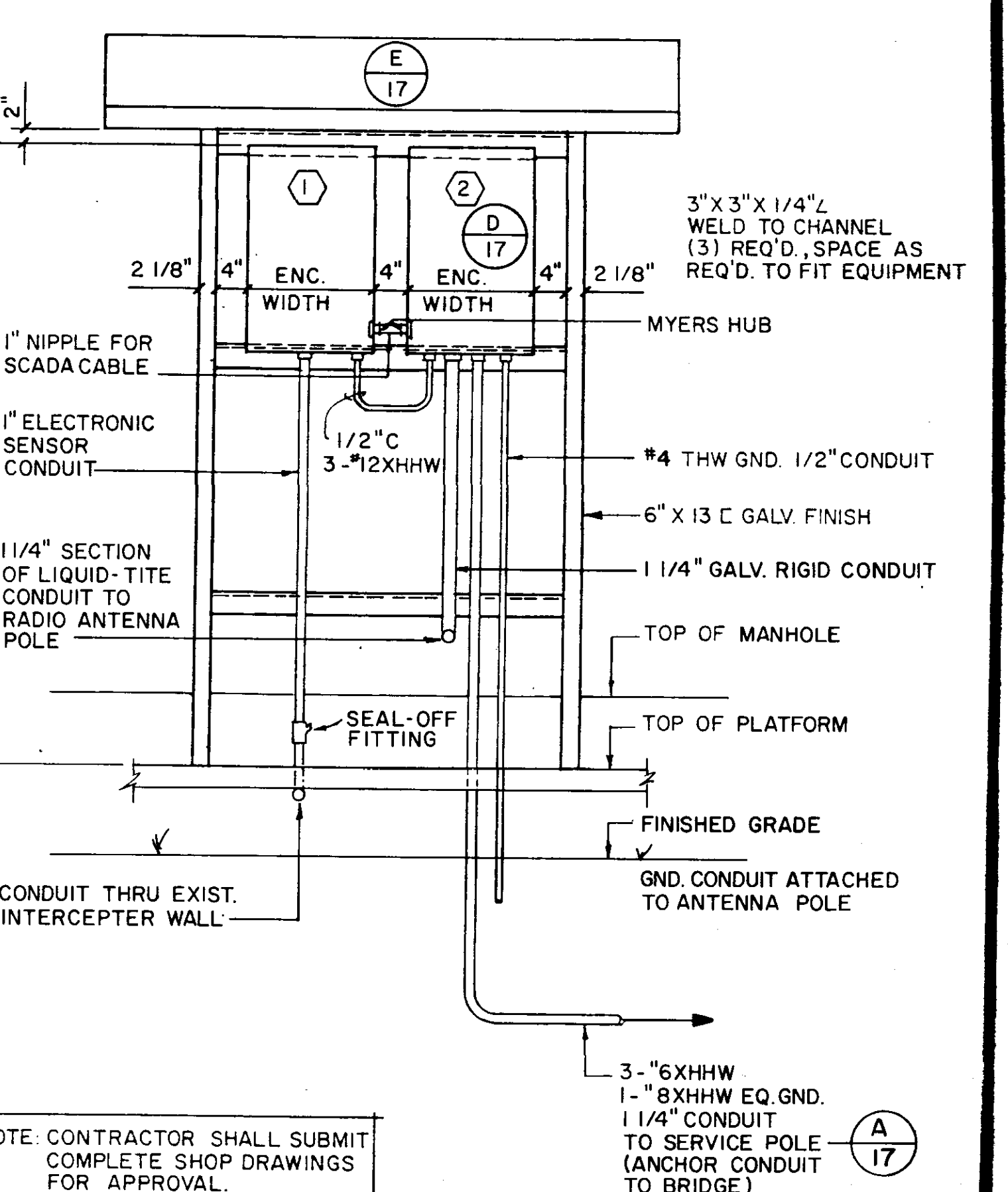
5/8" X 10' COPPERCLAD GND. ROD (G) 18

3-#8XHHW 1-#10XHHW EQ. GND. 1" CONDUIT TO SERVICE POLE (G) 18

DETAIL C ENVIRONMENTAL ENCLOSURES SUPPORT STRUCTURE
NO SCALE (18)

THIS DETAIL IS APPLICABLE TO STATION WB3

- GENERAL NOTES: (THIS DETAIL)
- ① FLOW METER ENVIRONMENTAL ENCLOSURE
 - ② ENVIRONMENTAL ENCLOSURE FOR RADIO TRANSMITTER, SCADA SYSTEM RTU, ELECTRICAL PANEL AND ELEC. TERMINALS.



NOTE: CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS FOR APPROVAL.

3" X 3" X 1/4" L WELD TO CHANNEL (3) REQ'D. SPACE AS REQ'D. TO FIT EQUIPMENT

MYERS HUB

1" NIPPLE FOR SCADA CABLE

1" ELECTRONIC SENSOR CONDUIT

CONDUIT THRU EXIST. INTERCEPTER WALL

1 1/2" C 3-#12XHHW

#4 THW GND. 1/2" CONDUIT

6" X 13 C GALV. FINISH

1 1/4" GALV. RIGID CONDUIT

TOP OF MANHOLE

TOP OF PLATFORM

FINISHED GRADE

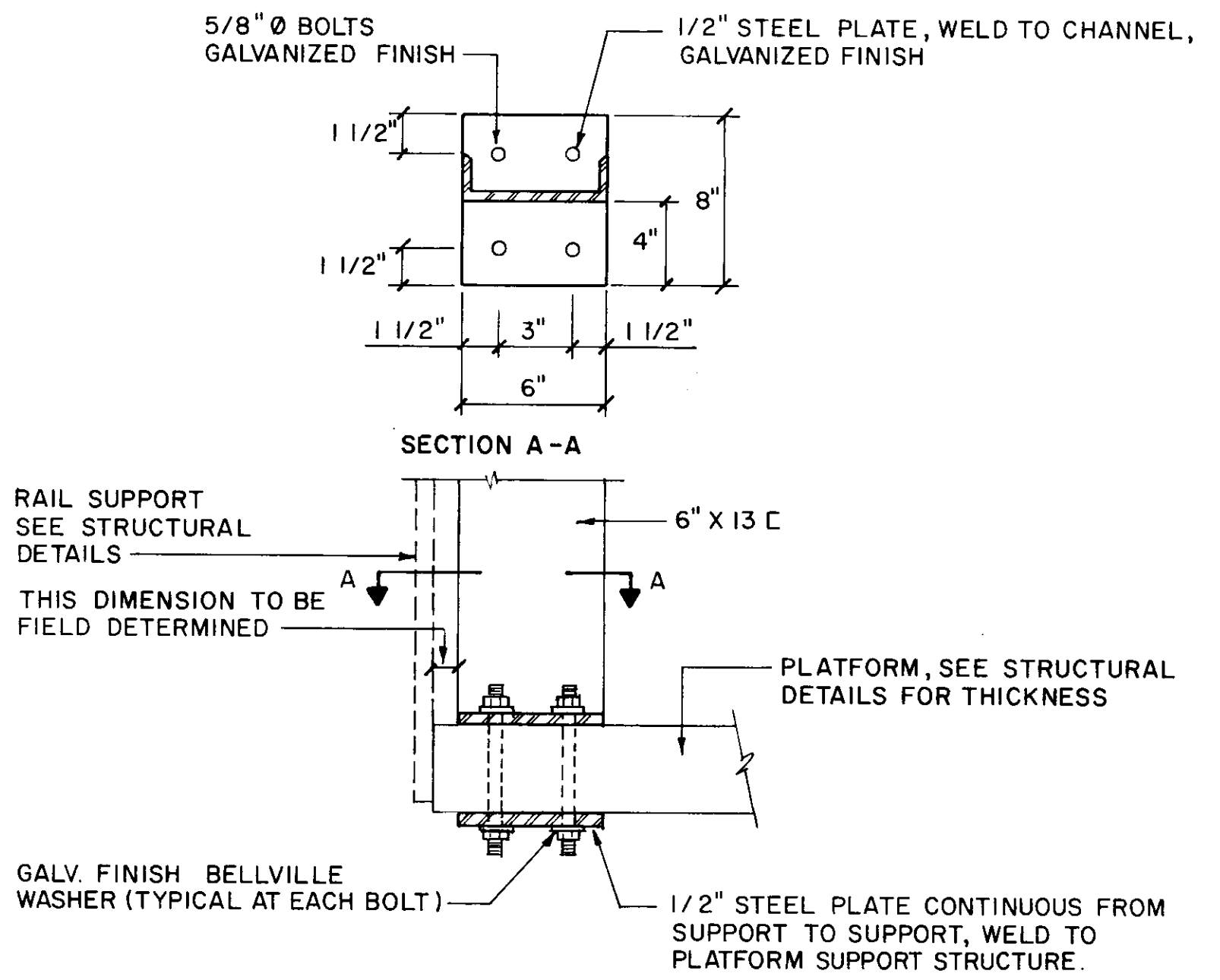
GND. CONDUIT ATTACHED TO ANTENNA POLE

3-#8XHHW 1-#10XHHW EQ. GND. 1" CONDUIT TO SERVICE POLE (ANCHOR CONDUIT TO BRIDGE) (A) 17

DETAIL D ENVIRONMENTAL ENCLOSURES SUPPORT STRUCTURE
NO SCALE (18)

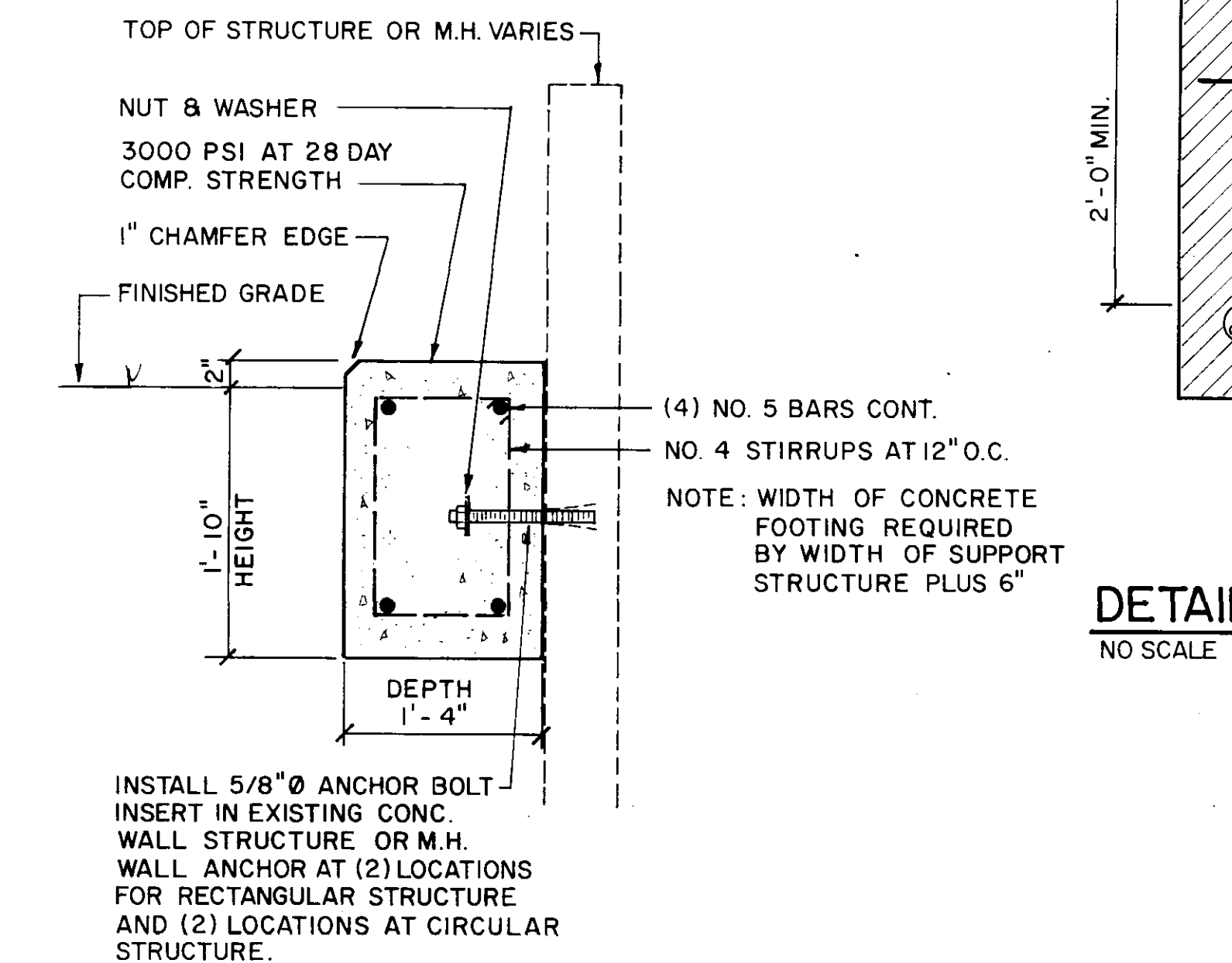
THIS DETAIL IS APPLICABLE TO STATION WB4

- GENERAL NOTES: (THIS DETAIL)
- ① FLOW METER ENVIRONMENTAL ENCLOSURE
 - ② ENVIRONMENTAL ENCLOSURE FOR RADIO TRANSMITTER, SCADA SYSTEM RTU, ELECTRICAL PANEL AND ELEC. TERMINALS.



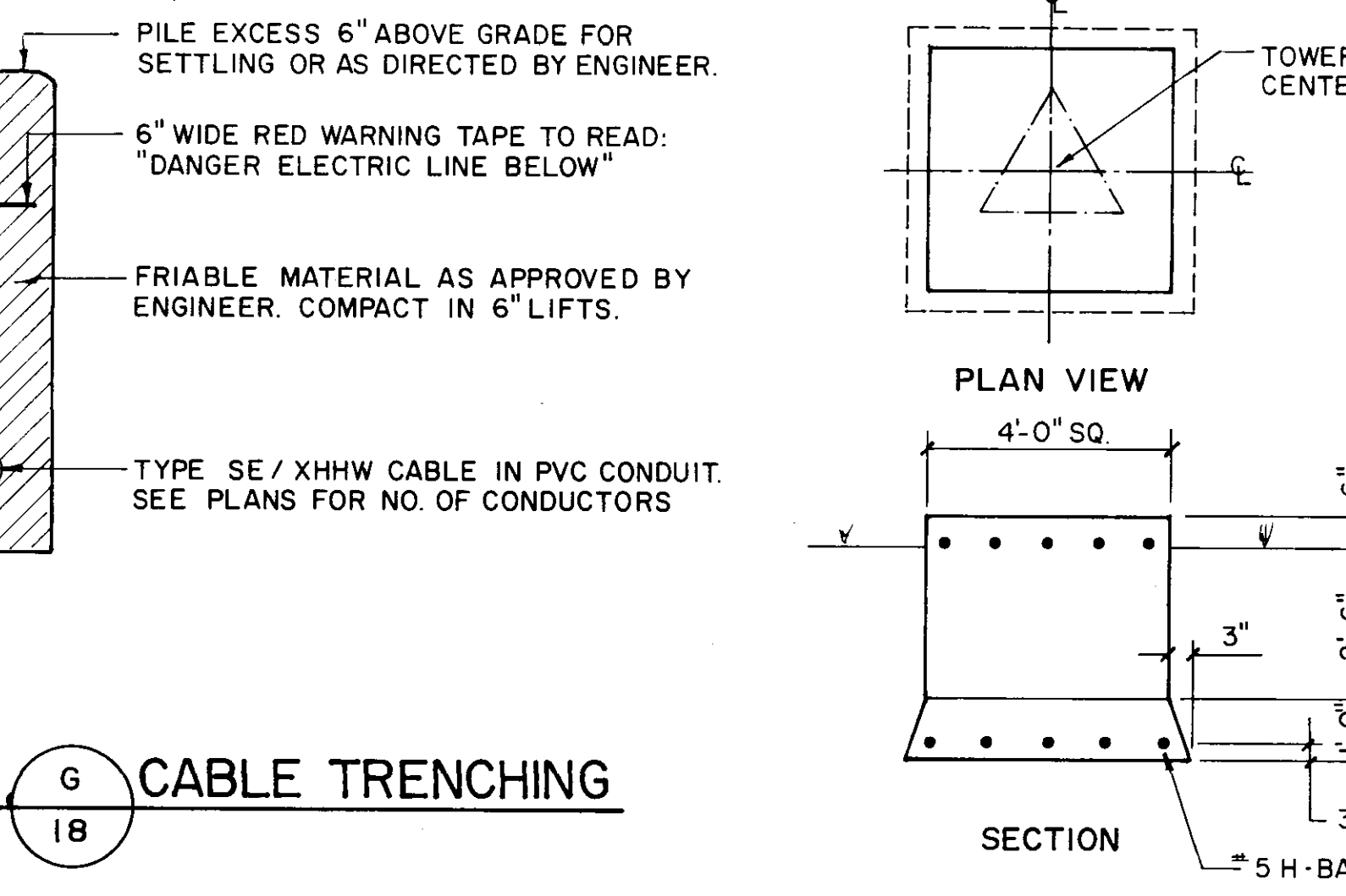
DETAIL E ENVIRONMENTAL ENCLOSURES SUPPORT STRUCTURE ANCHORAGE TO RAISED PLATFORM
NO SCALE (18)

THIS DETAIL IS APPLICABLE AT STATIONS WB3 & WB4

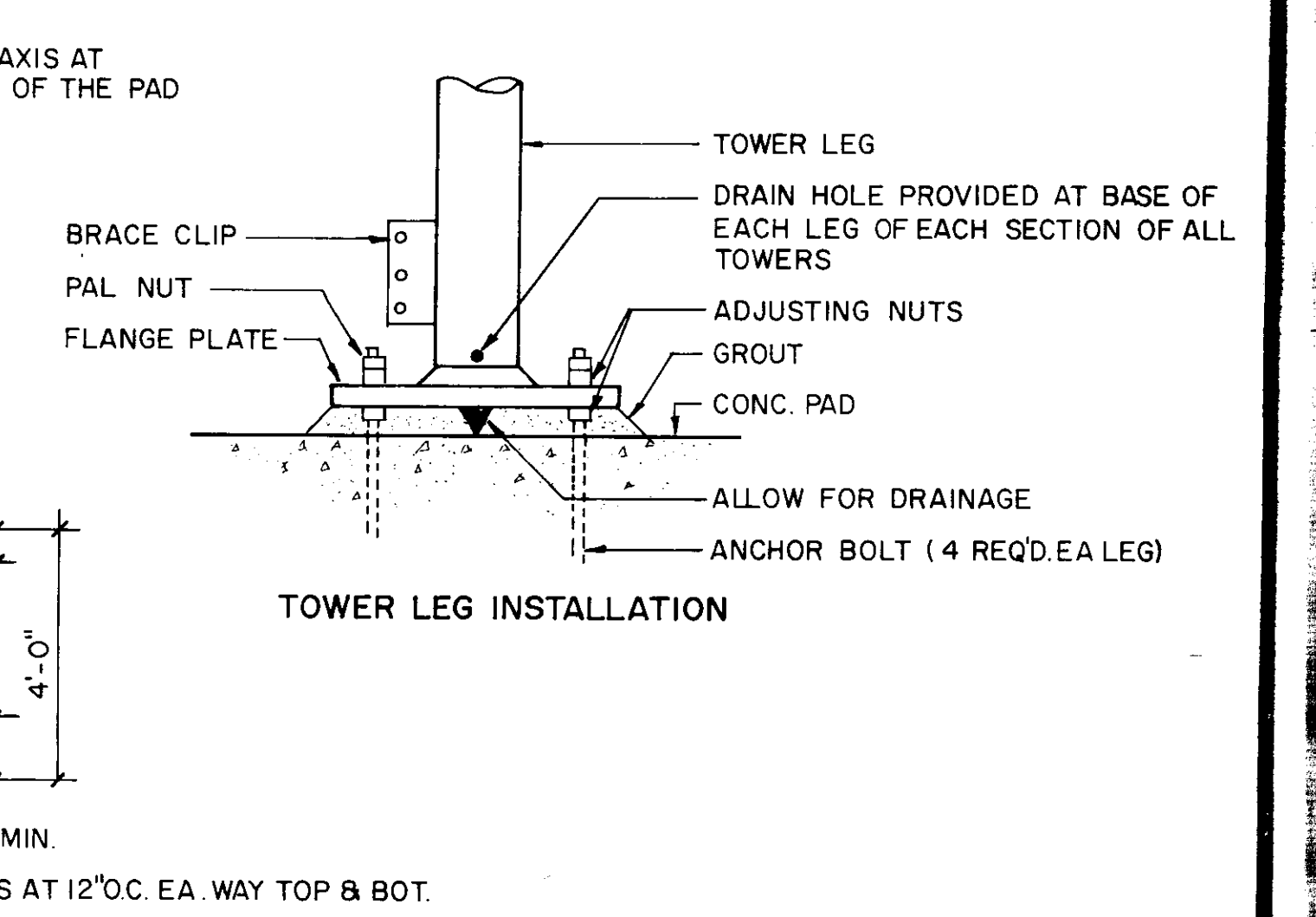


DETAIL F ENVIRONMENTAL ENCLOSURES SUPPORT STRUCTURE FOUNDATION
NO SCALE (18)

THIS DETAIL IS APPLICABLE AT STATIONS WB1 & WB2



DETAIL G CABLE TRENCHING
NO SCALE (18)



DETAIL H ANTENNA TOWER FOUNDATION
NO SCALE (18)

TYPICAL ALL ANTENNA TOWERS (EXCEPT BARNETT BLDG.)

- GENERAL NOTES: (ANTENNA TOWER FOUNDATION)
- 1 CONCRETE, 3000 PSI MIN. ULTIMATE STRENGTH.
 - 2 ASTM A-615 GRADE 40 DEFORMED REBARS.
 - 3 FOUNDATION DESIGN BASED ON 4000 PSF SOIL BEARING CAP.
 - 4 ALL FORMS MUST BE REMOVED FROM CONCRETE BEFORE PLACING COMPACTED BACKFILL.
 - 5 MINIMUM COVER ON ALL REBARS IS 2" EXCEPT AS NOTED.
 - 6 ALL ANCHOR BOLTS ASTM A-325 QUALITY.

CITY OF JACKSON, MISSISSIPPI
CITY PROJECT NO. 281.5

ELEC. & INSTRUMENTATION
TYPICAL DETAILS

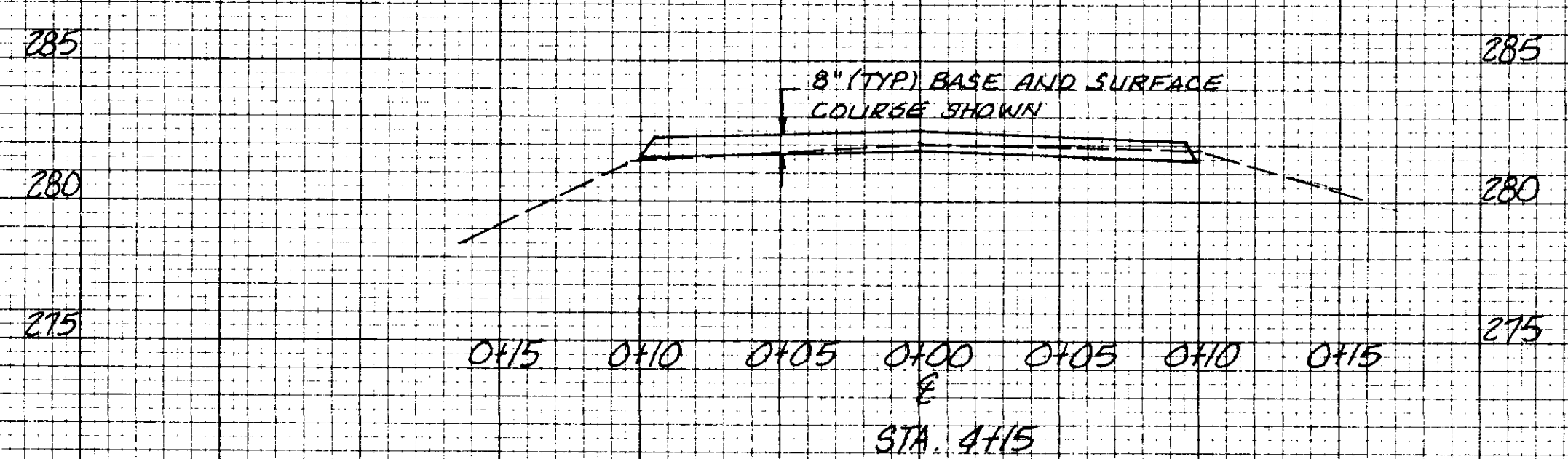
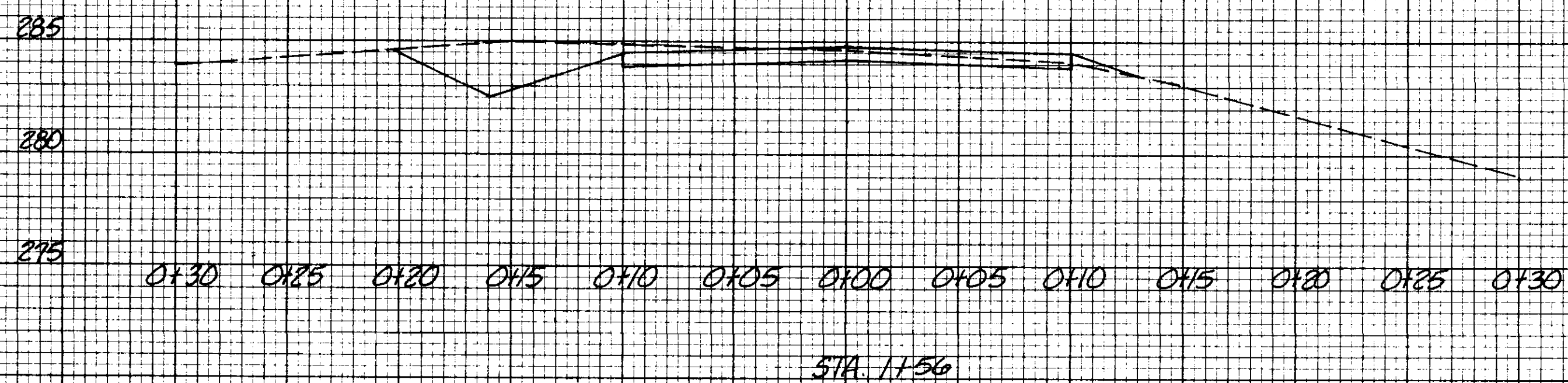
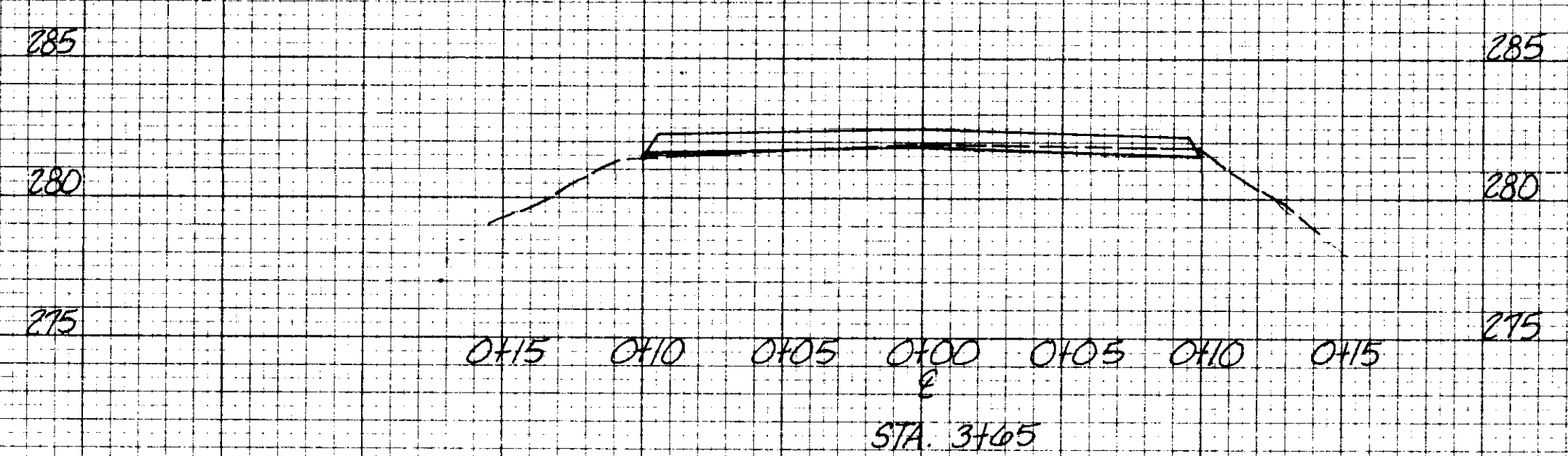
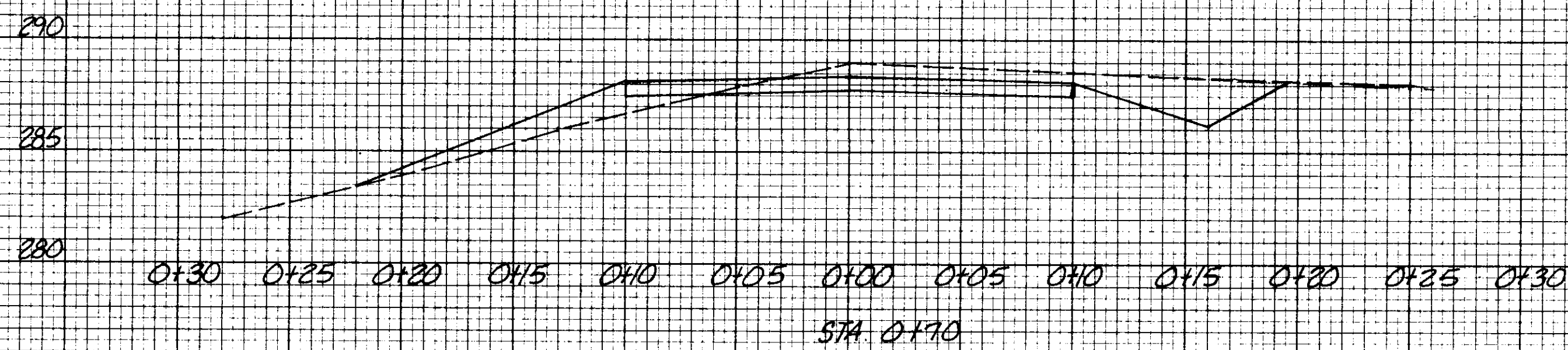
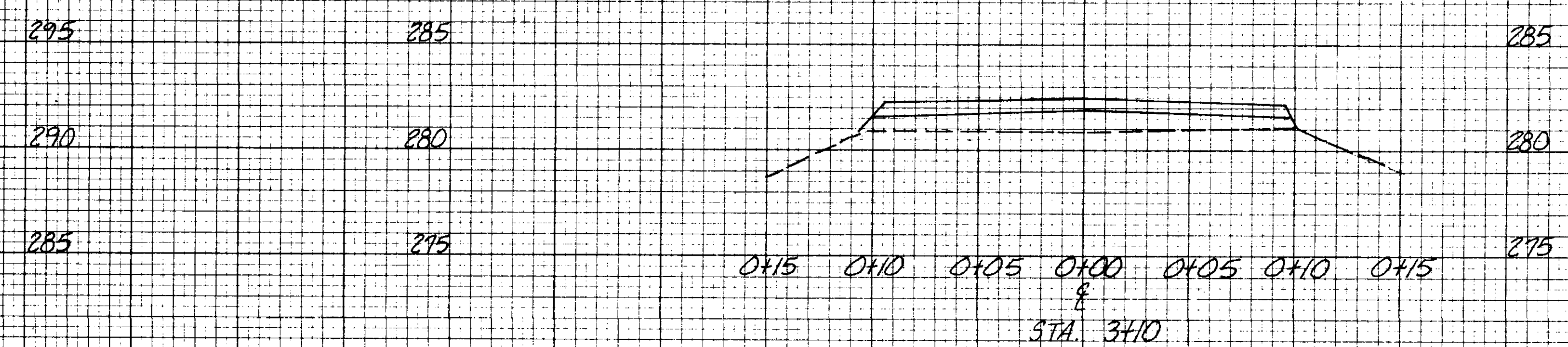
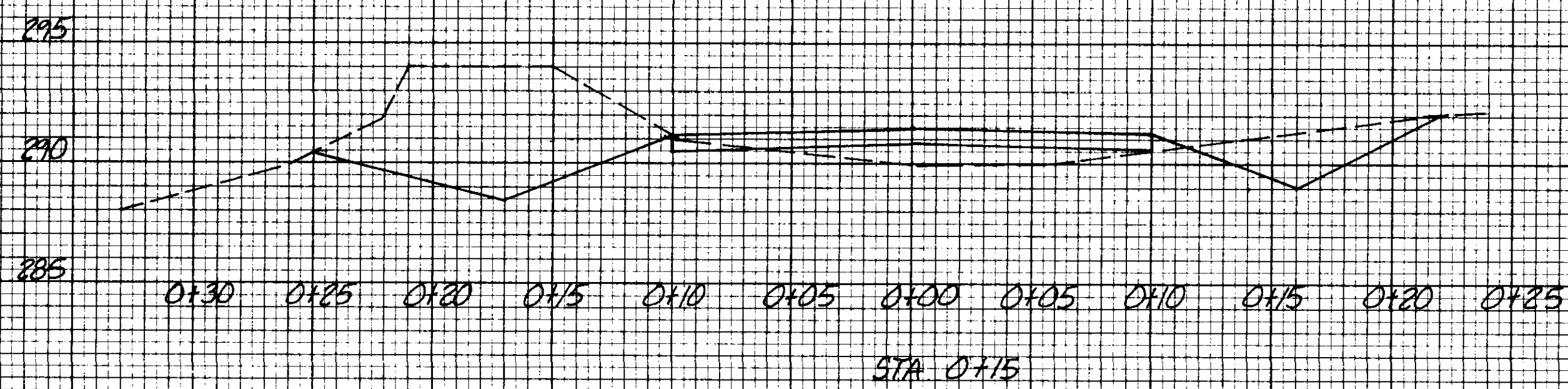
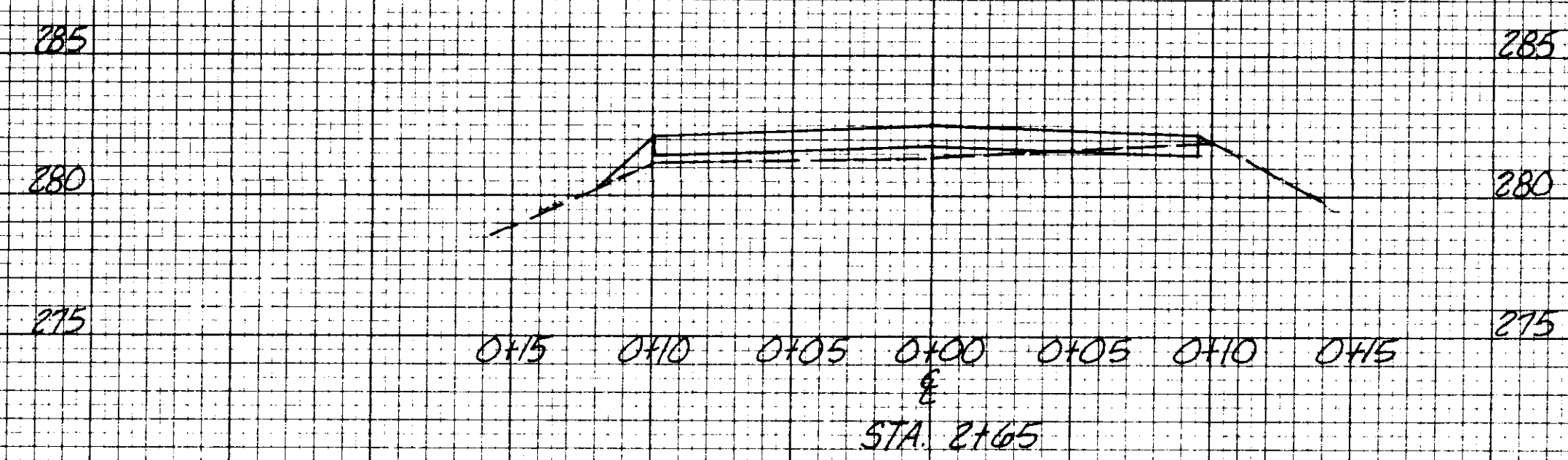
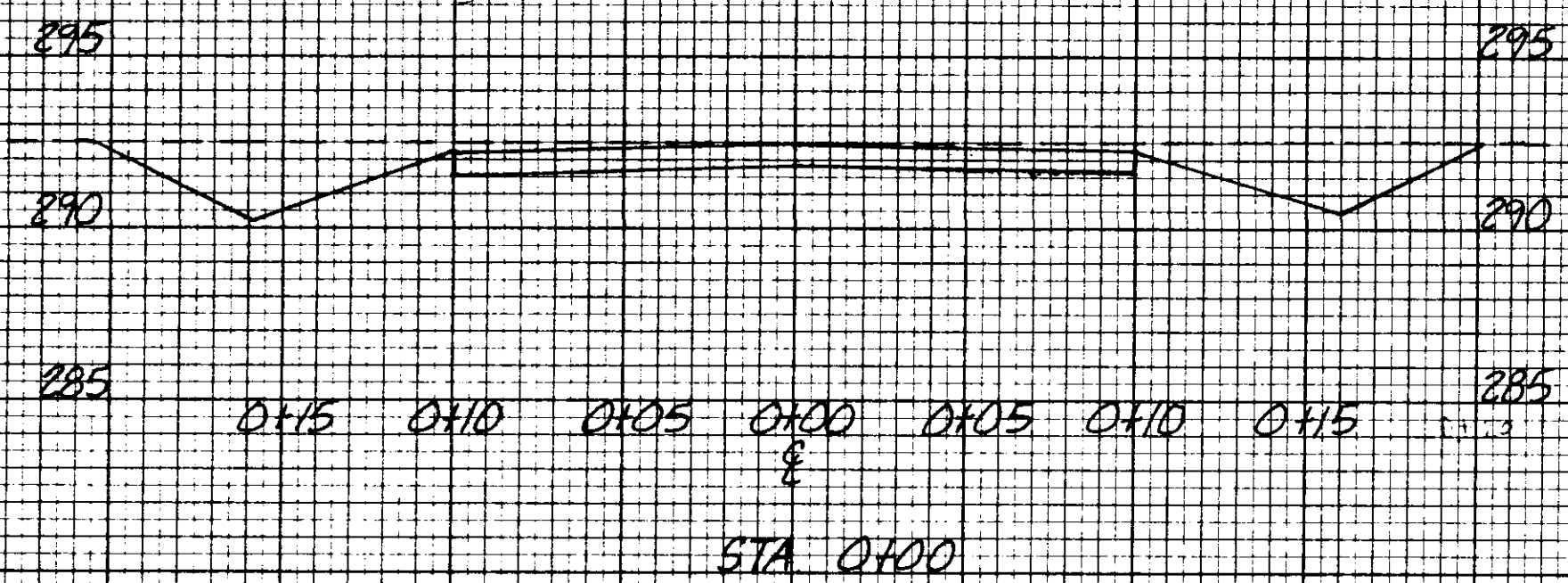
STATION NOS. WB1, WB2, WB3 & WB4

SEWER METERING STATIONS
WEST BANK INTERCEPTOR SYSTEM

DSGN: JWL	2-90	NEEL-SCHAFFER, INC. ENGINEERS - PLANNERS JACKSON, MISSISSIPPI	DRAWING NO. 18 of 21
DRWN: MON	2-90		
CHKD: VGR	12-95		
SCALE: SHOWN			

DATE _____ BY _____
 ORIGINAL SURVEY PLOTTED _____
 SURVEY REVISIONS _____
 NOTE BOOK NO. _____
 TEMPLATE NO. _____
 AREA _____
 CHECKED _____

DATE _____ BY _____
 ORIGINAL SURVEY PLOTTED _____
 SURVEY REVISIONS _____
 NOTE BOOK NO. _____
 TEMPLATE NO. _____
 AREA _____
 CHECKED _____

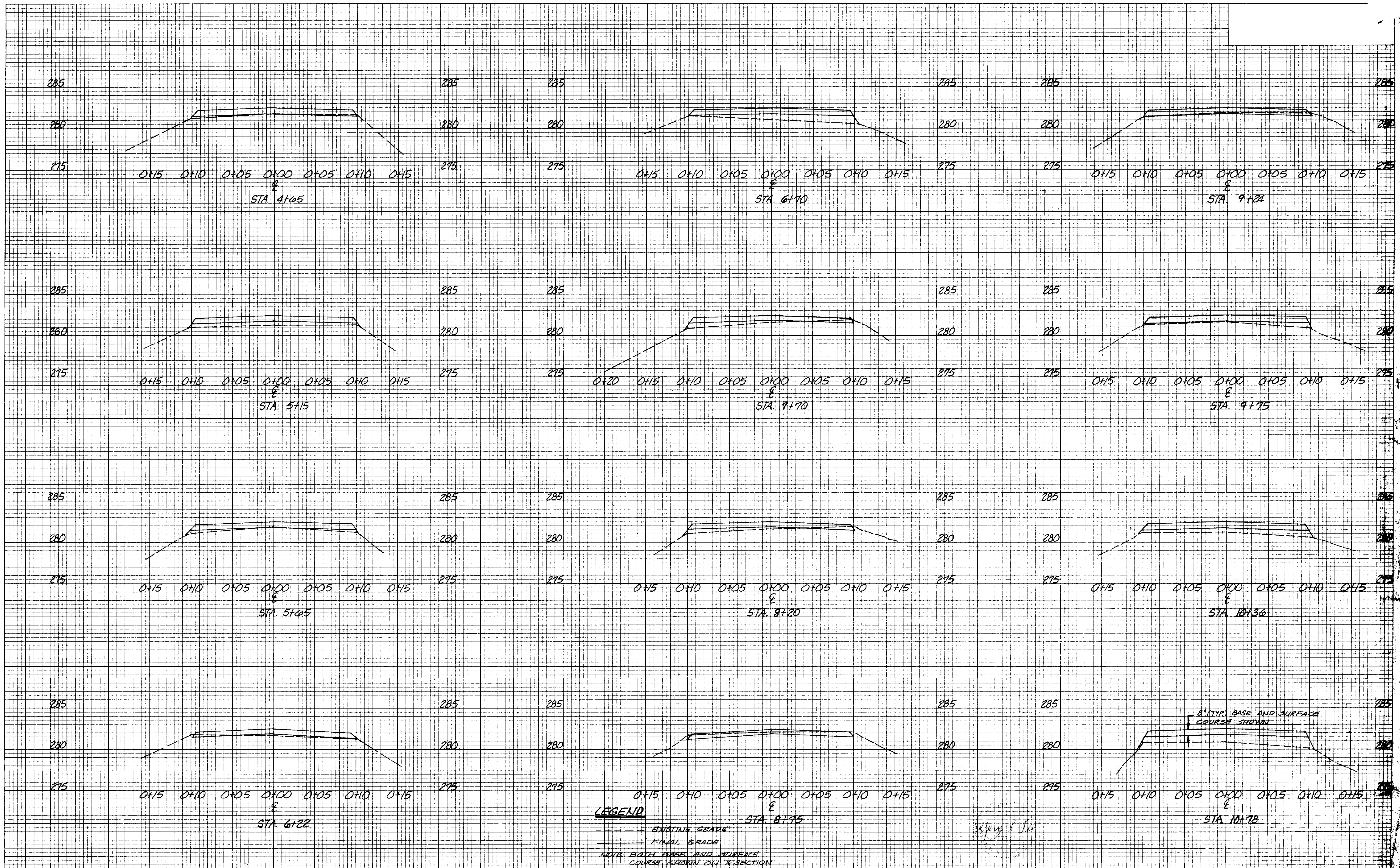


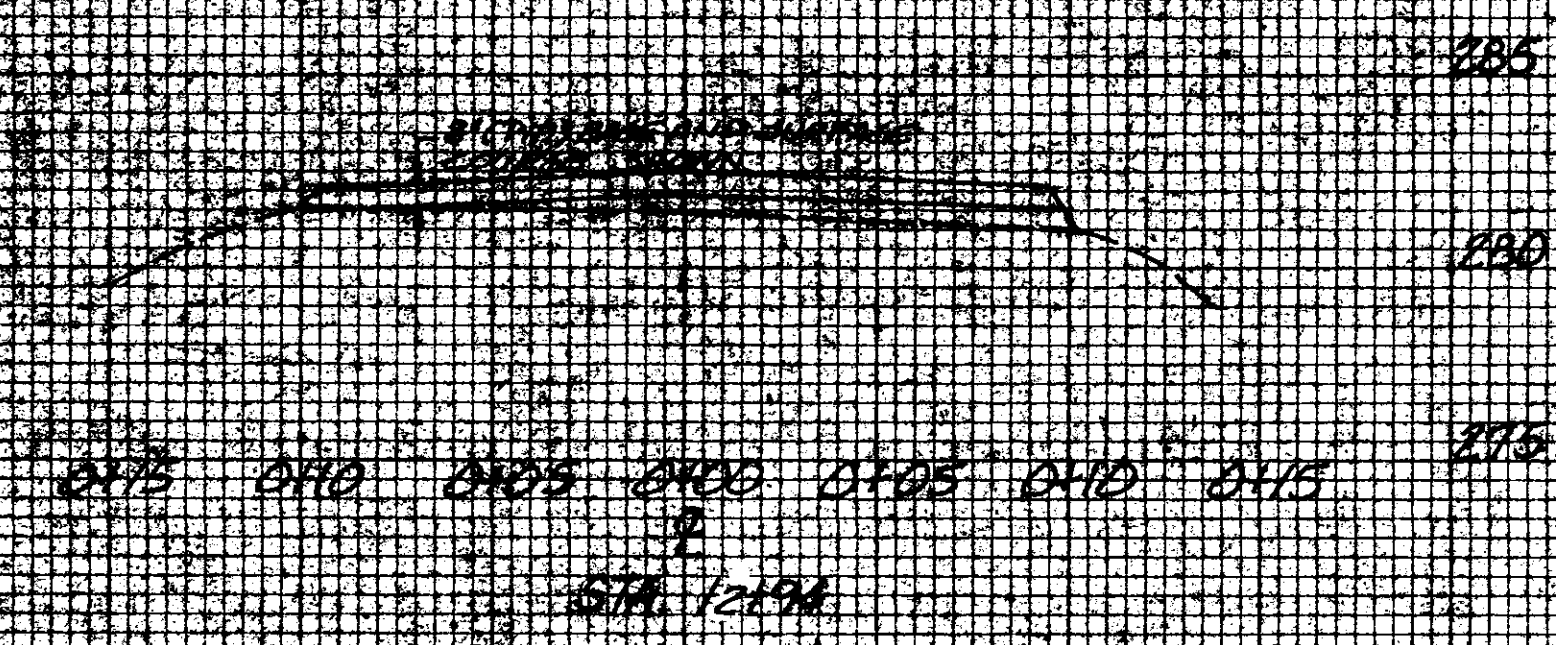
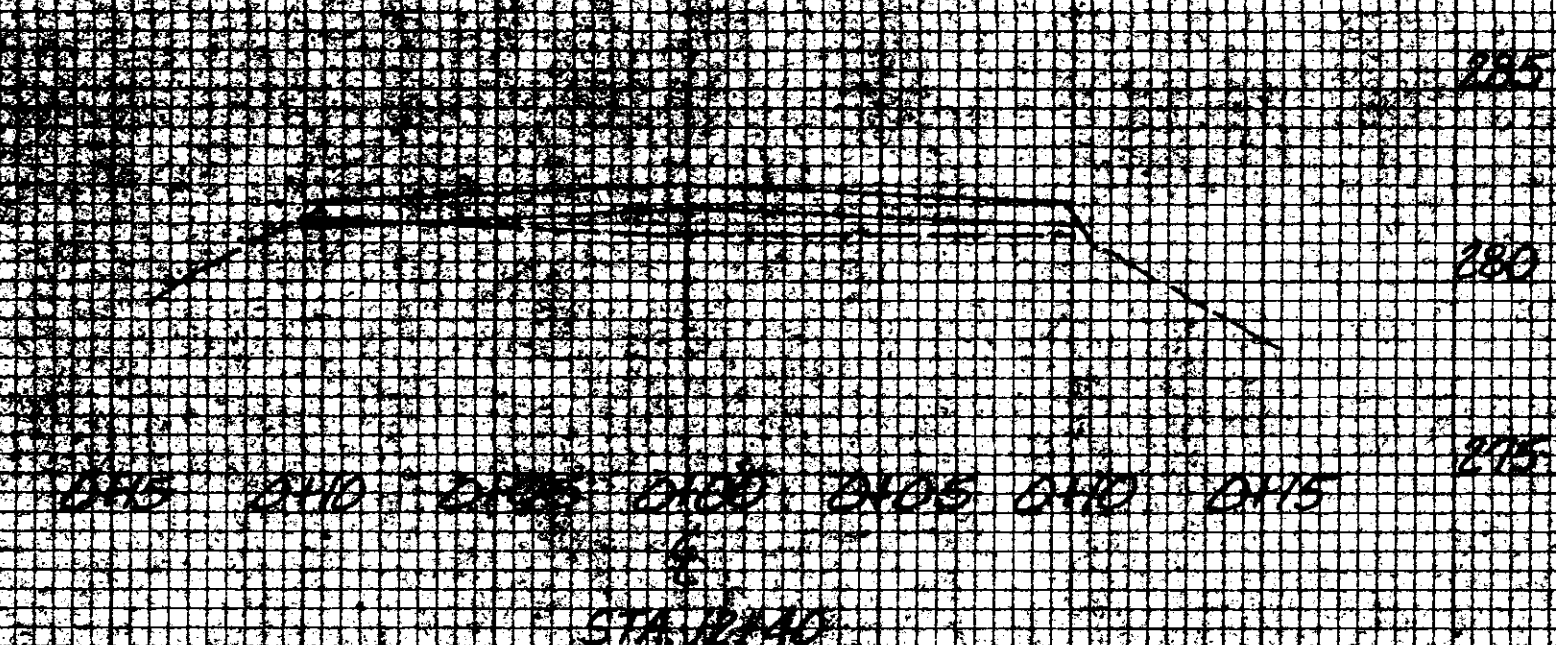
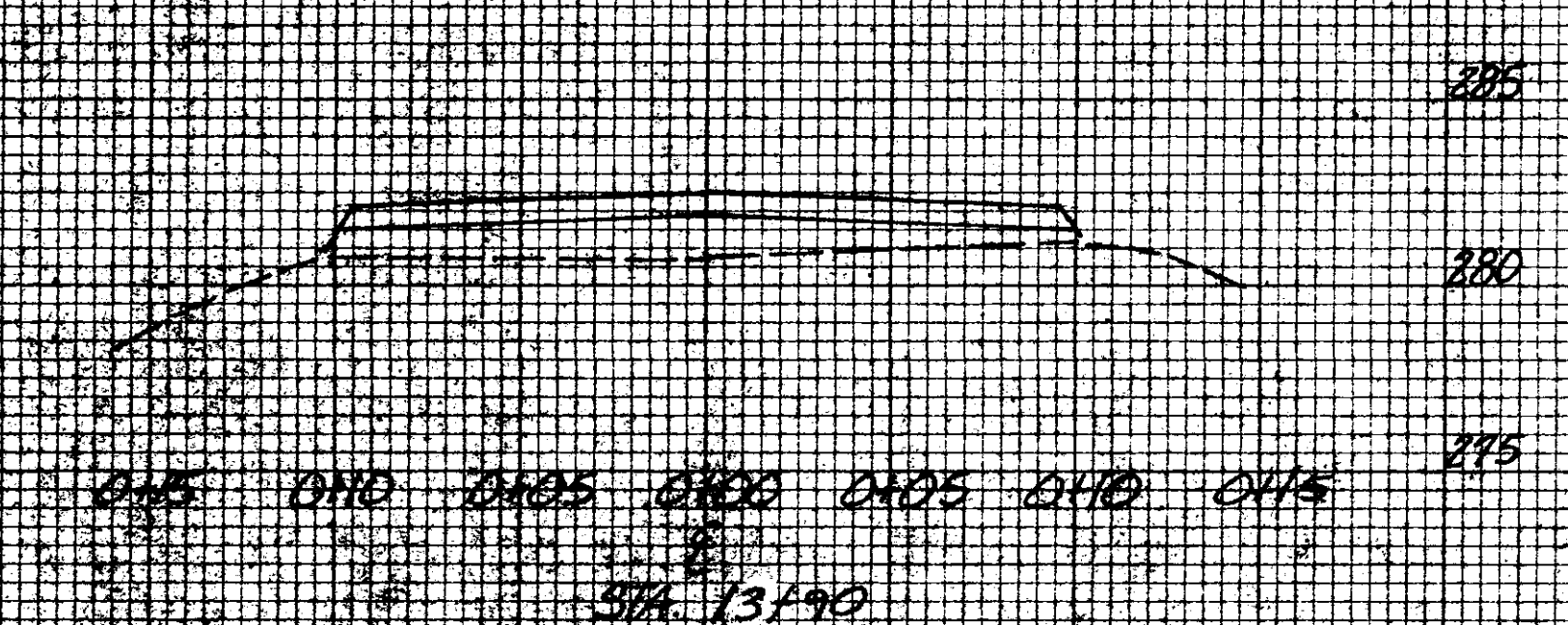
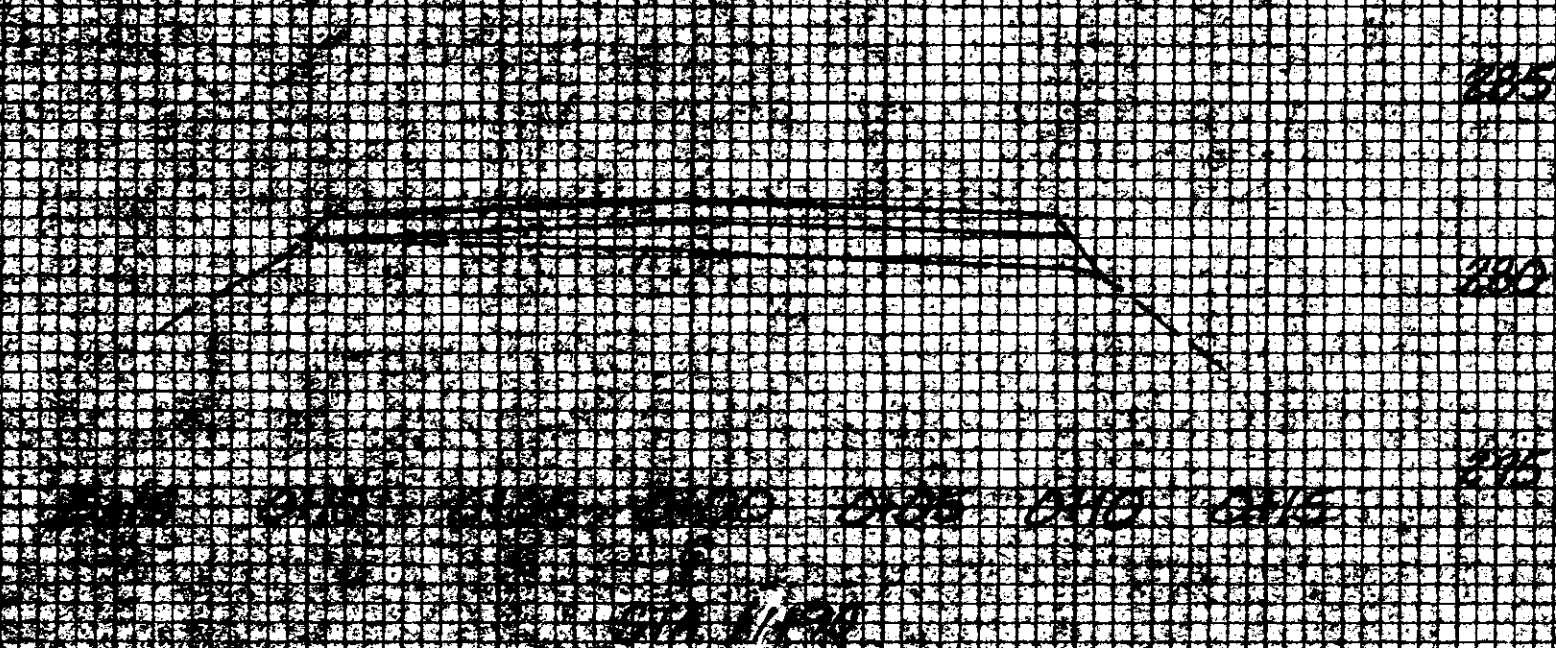
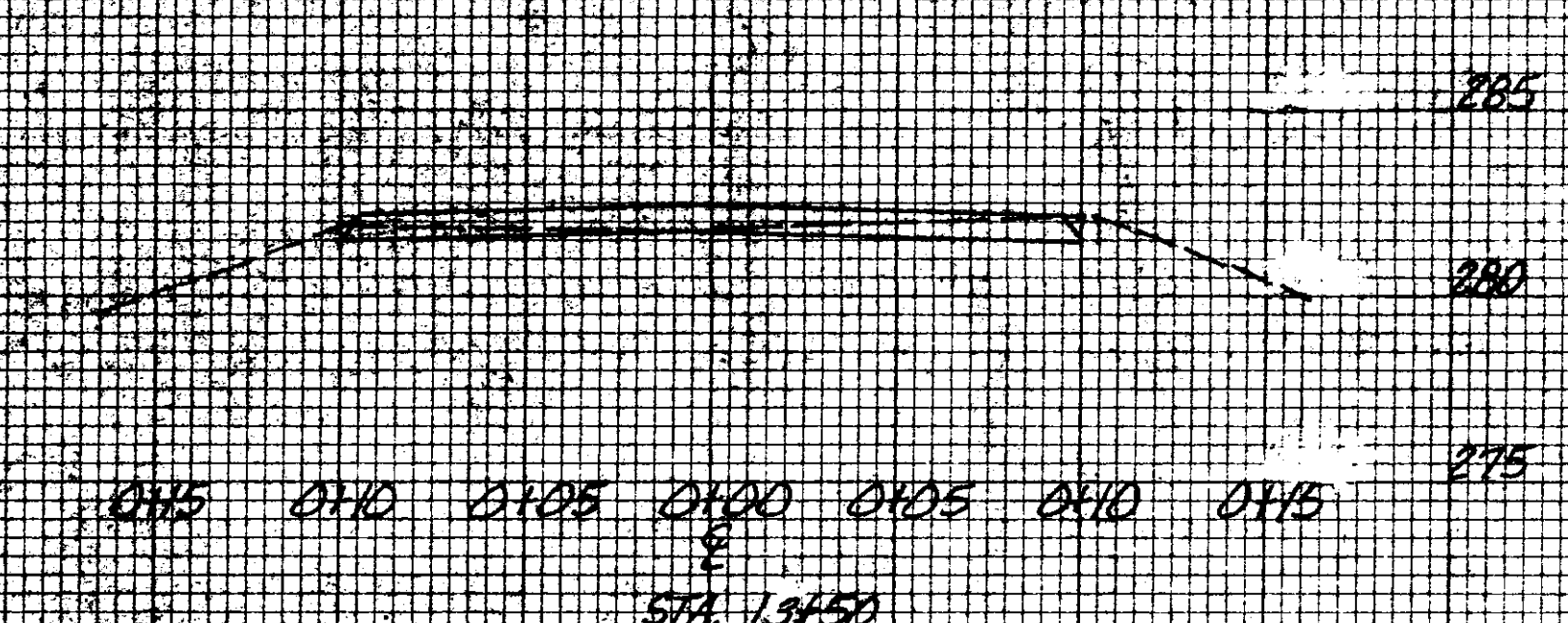
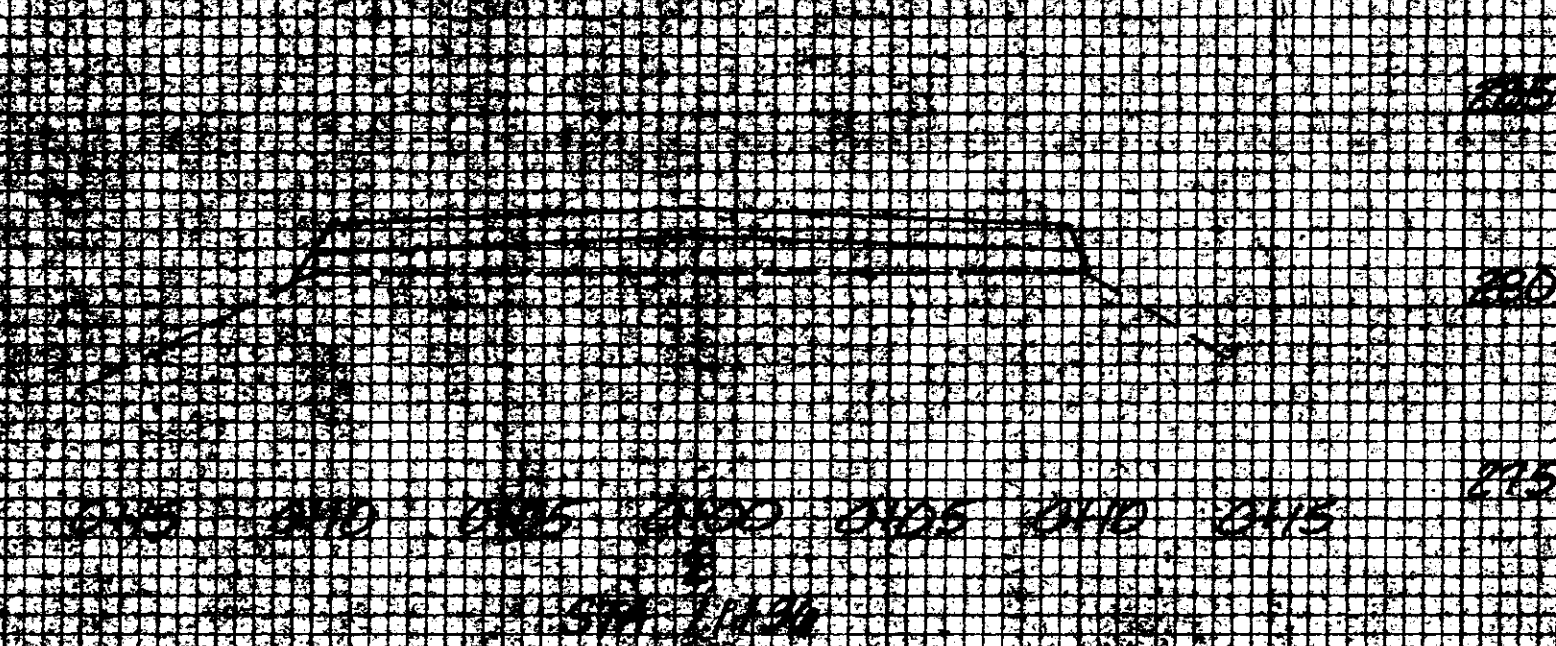
LEGEND:

- EXISTING GRADE
 - FINAL GRADE
- NOTE: BOTH BASE AND SURFACE COURSE SHOWN ON X-SECTIONS

DATE _____ BY _____
 ORIGINAL SURVEY DRAWING NO. _____
 SURVEY PLOTTED _____
 FINAL SURVEY PLOTTED _____
 NOTE BOOK AREA NO. _____
 AREAS CHECKED _____
 DATE _____ BY _____

DATE _____ BY _____
 ORIGINAL SURVEY DRAWING NO. _____
 SURVEY PLOTTED _____
 FINAL SURVEY PLOTTED _____
 NOTE BOOK AREA NO. _____
 AREAS CHECKED _____
 DATE _____ BY _____





LEGEND
 - - - - - EXISTING GRADE
 = = = = = FINAL GRADE
 NOTE: PAVEMENT BASE AND SURFACE
 THICKNESS SHOWN IN 'X' SECTIONS