

CIVIL PLANS FOR CONSTRUCTION OF
PAVING, STREETScape AND UTILITY IMPROVEMENTS

ADDISON CIRCLE

PUBLIC INFRASTRUCTURE

PHASE II



T O W N O F
ADDISON

OWNER:

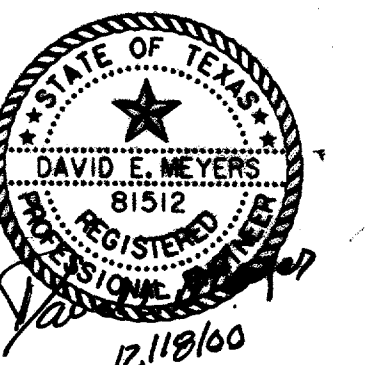
TOWN OF ADDISON
DEPARTMENT OF PUBLIC WORKS
16801 WESTGROVE
P.O. BOX 144
ADDISON, TEXAS 75001
(972) 450-2871 FAX (972) 450-2837

ENGINEER & LANDSCAPE ARCHITECT:

HUITT-ZOLLARS, INC.
3131 MCKINNEY AVE., SUITE 600
DALLAS, TEXAS 75204
(214) 871-3311 FAX (214) 871-0757
DAVID E. MEYERS, P.E.
TX. REG. NO. 81512
KAREN W. KOERTH, L.A.
TX. REG. NO. 1594

**RECORD
DRAWING**

THE SEAL APPEARING ON THIS
DOCUMENT WAS AUTHORIZED BY
DAVID E. MEYERS, P.E. 81512
ON OCTOBER 3, 1997.

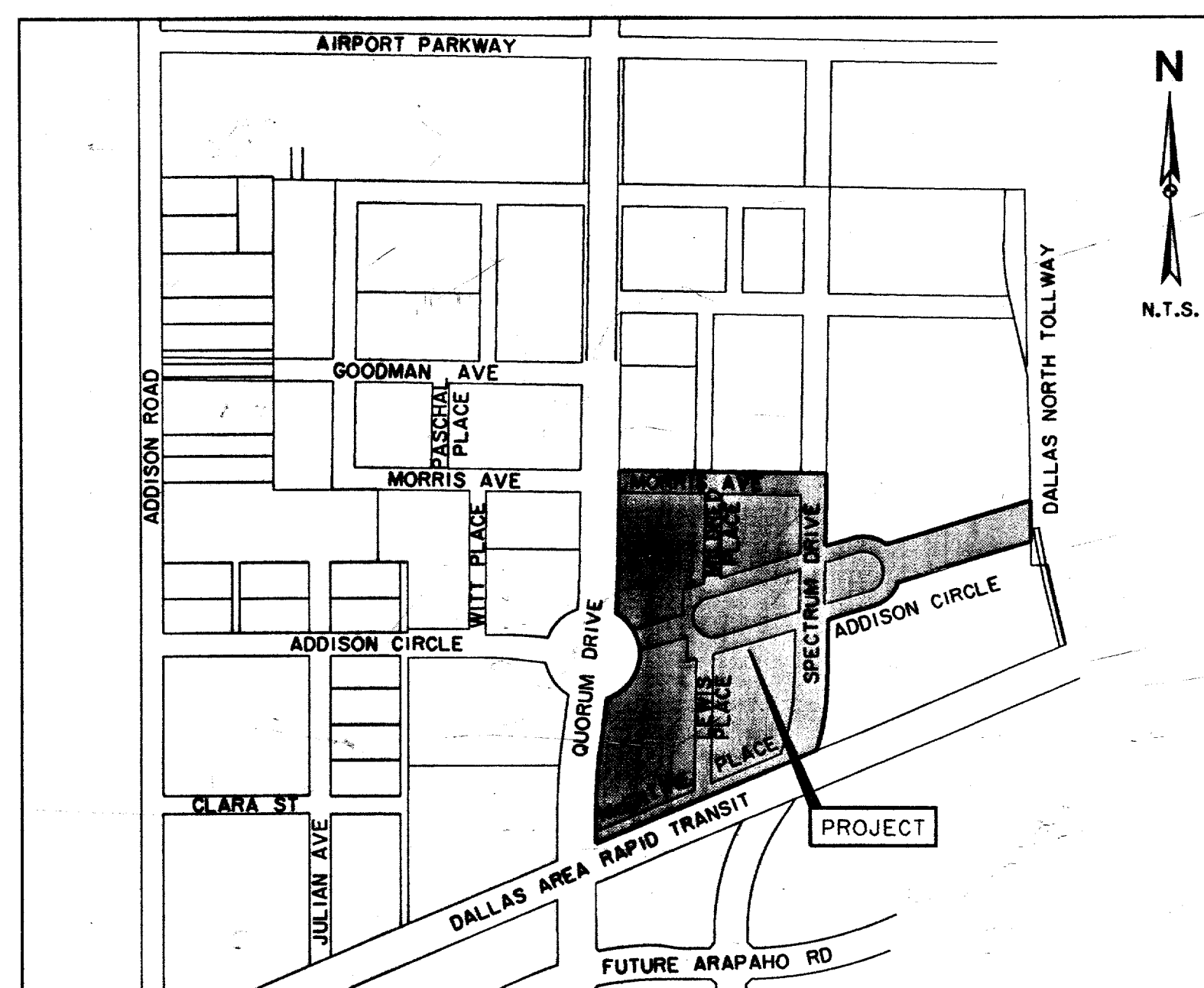


RECORD DRAWINGS

11/17/00

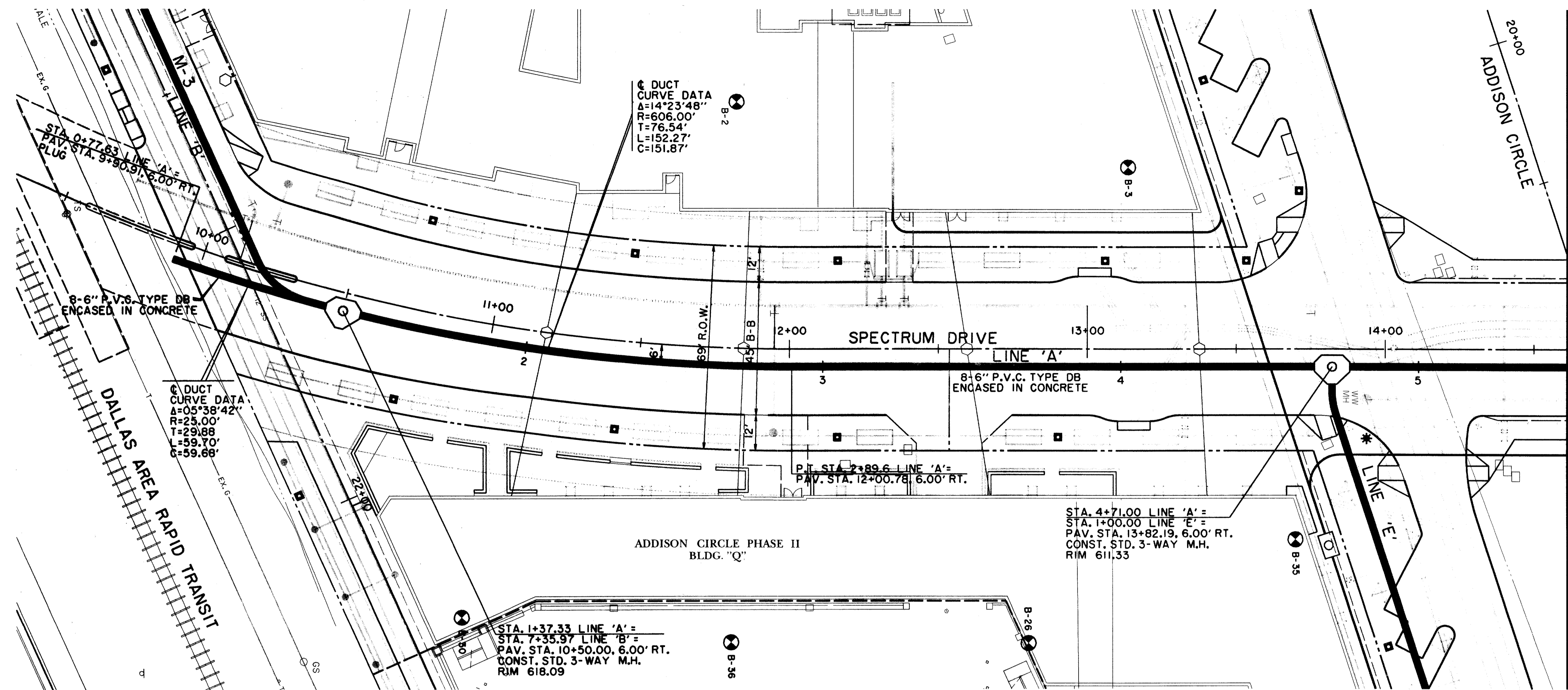
THIS SET OF DRAWINGS HAS BEEN MODIFIED FROM THE ORIGINAL DESIGN DRAWINGS TO REFLECT THE FIELD CHANGES THAT OCCURRED DURING CONSTRUCTION WHICH WERE DOCUMENTED AND FINISHED TO THE ENGINEER BY THE CONTRACTOR. BASED ON THIS INFORMATION AND THE ENGINEER'S OBSERVATION OF CERTAIN CONSTRUCTION ACTIVITIES, TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND BELIEF, THE PROJECT IS CONSTRUCTED IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS AND WILL FUNCTION AS DESIGNED.

SHEET NO.	INDEX OF DRAWINGS
	COVER SHEET
HC1	HORIZONTAL CONTROL PLAN
P1-P2	PAVING TYPICAL SECTIONS
P3-P4	RECOMMENDED UTILITY LOCATIONS
P5	SIGNAGE AND STRIPING PLAN
P6	TRAFFIC SIGN DETAILS
P7	PAVING SITE PLAN
P8-P20	PAVING PLANS & PROFILES
P21-P23	PAVING DETAILS
P24	SLEEVING PLAN
SP1-SP8	SURFACE PATTERNING PLANS
SP9	SURFACE PATTERNING DETAILS
ST1	STREETScape SITE PLAN
ST2-ST9	STREETScape PLANS
ST10-ST14	STREETScape, LIGHT & SUBDRAIN DETAILS
SW1-SW2	DRAINAGE AREA MAP
SW3-SW9	STORM WATER CALCULATIONS
SW10	STORM WATER SITE PLAN
SW11-SW25	STORM WATER PLANS & PROFILES
SW26-SW28	STORM WATER DETAILS
W1	WATER & WASTEWATER SITE MAP
W2-W13	WATER PLANS & PROFILES
W14-W15	WATER DETAILS
WW1-WW5	WASTEWATER PLANS & PROFILES
WW6-WW7	WASTEWATER DETAILS
PC1	POLLUTION CONTROL PLAN
PC2	POLLUTION CONTROL DETAILS
E1	ELECTRICAL DUCT BANK SITE PLAN
E2-E11	ELECTRICAL DUCT BANK PLANS & PROFILES
E12-E20	ELECTRICAL DUCT BANK DETAILS
E21-E23	TREE LIGHT & STREET LIGHT POWER PLANS & DETAILS
PF1-PF8	PLANTING & FURNITURE PLANS
PF9	PLANTING DETAILS
IR1-IR8	IRRIGATION PLANS
IR9	IRRIGATION DETAILS



LOCATION MAP

ADDISON CIRCLE PHASE II
BLDG. "P"

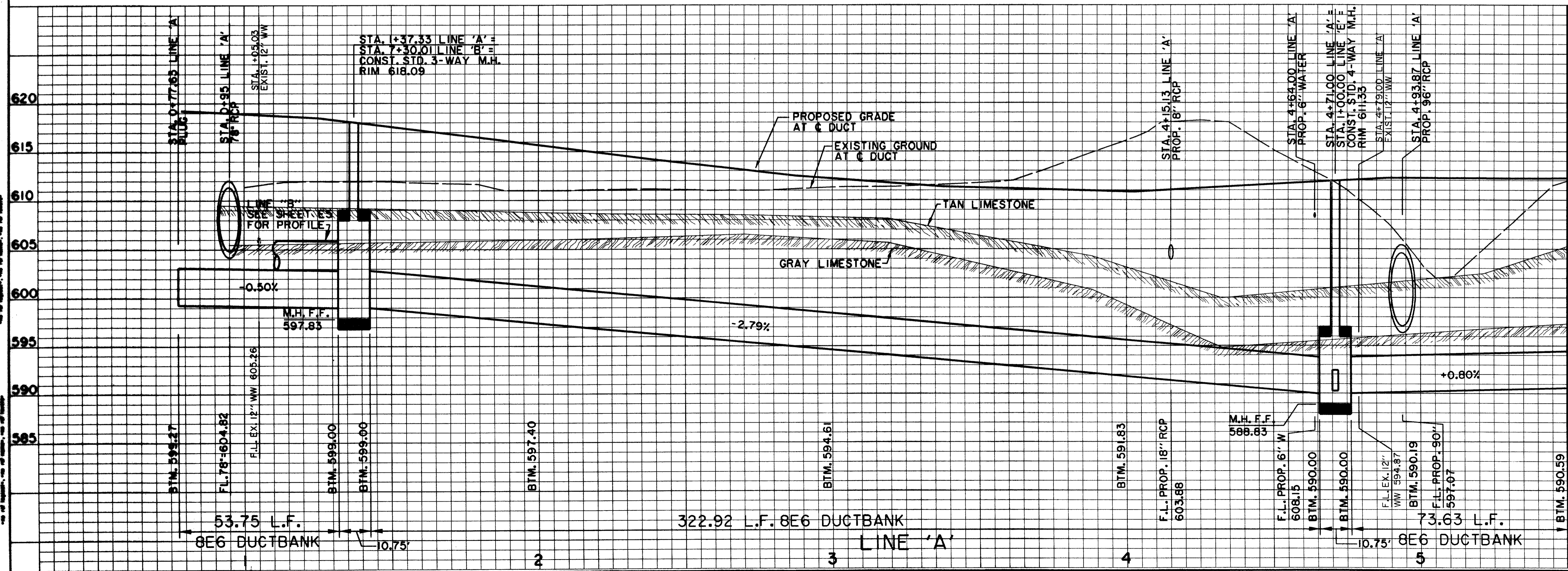


MATCH LINE STA. 5+50

**RECORD
DRAWING**

LEGEND

	ELECTRIC — ONE		MISC. 48" RCP
	LIGHT POLE		EX. STORM SEWER
	POWER POLE		CHAIN LINK FENCE
	GUY WIRE		WOOD FENCE
	TELEPHONE — T		EXISTING ASPHALT
	TELEPHONE MANHOLE		EXISTING DIRT OR GRAVEL
	TELEPHONE PEDESTAL		EX. CONCRETE
	TELEPHONE SIGN		TREE/TREE LINE
	GAS — G		EXISTING CURB
	GAS METER		PROP. CURB
	GAS SIGN		PROP. EDGE OF PAVEMENT NO CURB
	LAND USE		EX. PROPERTY LINE
	RAILROAD SIGN		PROP. CENTERLINE
	SIGN		PROP. R.O.W.
	SURVEY		PROP. INLET
	FOUND IRON ROD		T.P. TOP OF PAVEMENT
	BENCHMARK		T.C. TOP OF CURB
	WASTEWATER — WW		CR CURB RETURN
	WASTEWATER MANHOLE		EX. G EXISTING GUTTER
	CLEANOUT		EX. T.C. EXISTING TOP OF CURB
	WATER — W		B-20 BORING LOCATION
	FIRE HYDRANT		EXISTING BRICKS
	METER		PAVEMENT REMOVAL
	WATER VALVE		



MATCH LINE STA. 5+50

BENCHMARKS:

BM#1 [] CUT AT CENTER BACK OF CURB ON INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF ADDISON CIRCLE, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#5 [] CUT AT NORTHWEST CORNER OF NORTH HDWL. OF 7'X7' BOX CULVERT UNDER RAILROAD, 180' WEST OF DALLAS PARKWAY SOUTHBOUND. ELEV. 610.49

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

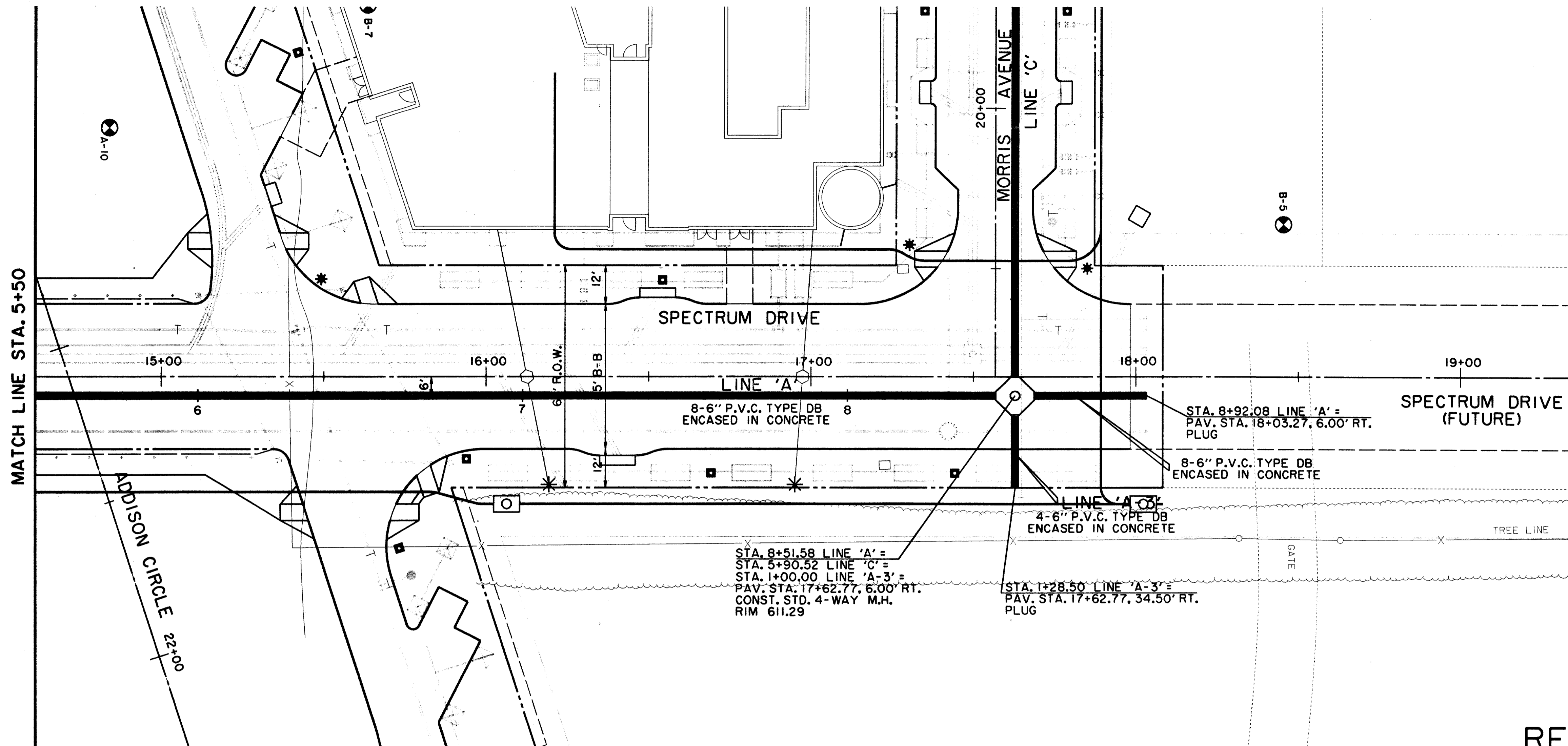
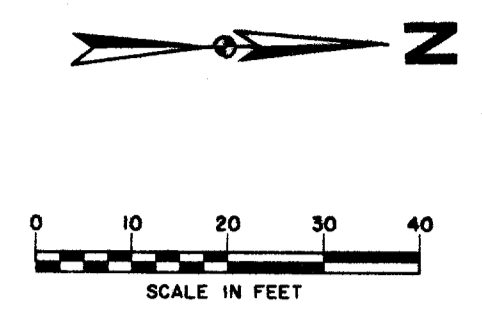
DATE	DESCRIPTION	REF. NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

ELECTRICAL DUCTBANK PLAN & PROFILE
LINE 'A' - STA. 1+00 TO STA. 5+50

ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Huff-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Austin, Ontario

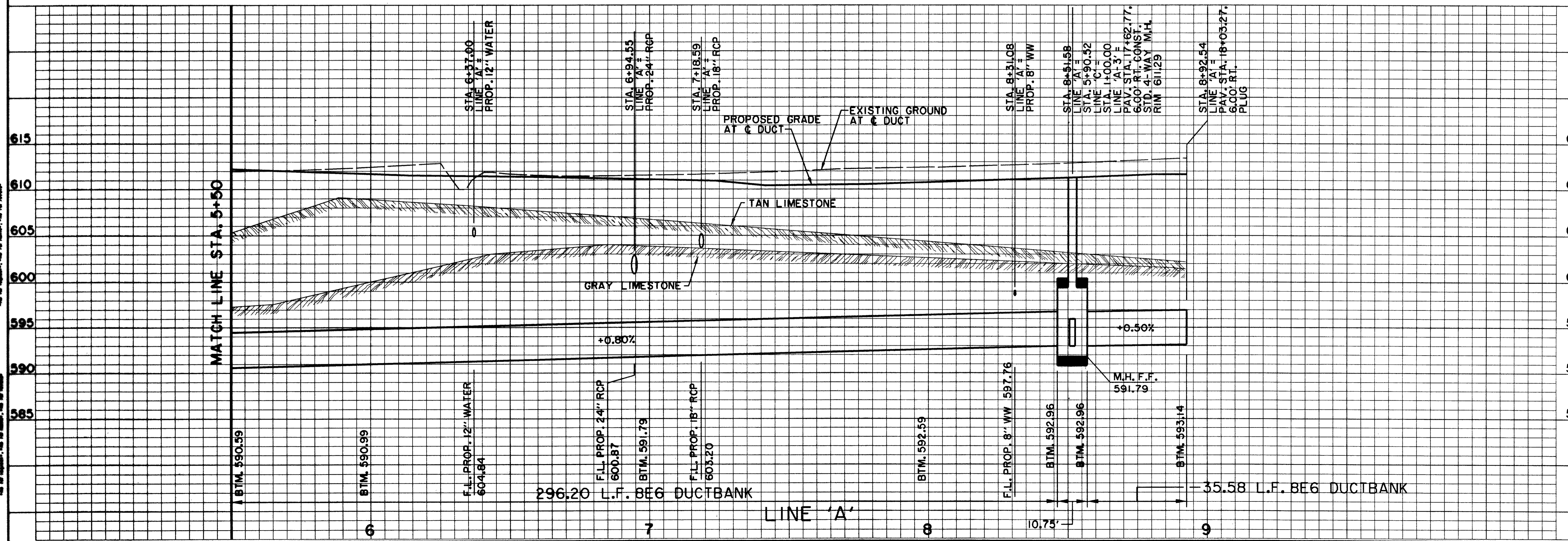
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	E2



LEGEND

	ELECTRIC		MISC.
	○ LIGHT POLE		48" RCP
	□ POWER POLE		EX. CHAIN LINK FENCE
	● TELEPHONE MANHOLE		WOOD FENCE
	□ TELEPHONE PEDESTAL		EXISTING ASPHALT
	○ TELEPHONE SIGN		EXISTING DIRT OR GRAVEL
	○ GAS MANHOLE		EX. CONCRETE
	○ GAS SIGN		TREE/TREE LINE
	— LAND USE		EXISTING CURB
	— RAILROAD SIGN		PROP. CURB
	— SIGN		PROP. EDGE OF PAVEMENT NO CURB
	— FOUND IRON ROD		EX. PROPERTY LINE
	□ BENCHMARK		PROP. CENTERLINE
	● WASTEWATER MANHOLE		PROP. R.O.W.
	○ CLEANOUT		PROP. INLET
	● WATER MANHOLE		T.P. TOP OF PAVEMENT
	○ FIRE HYDRANT		T.C. TOP OF CURB
	○ METER		CR CURB RETURN
	○ WATER VALVE		EX. G EXISTING GUTTER
			EX. T.C. EXISTING TOP OF CURB
			B-20 BORING LOCATION
			PAVEMENT REMOVAL

RECORD DRAWING



BENCHMARKS:

BM#5
"1" CUT AT NORTHWEST CORNER OF NORTH HDWL. OF 7'X7' BOX CULVERT UNDER RAILROAD, 180' WEST OF DALLAS PARKWAY SOUTHBOUND, ELEV. 610.49

BM#6
"1" CUT AT CENTER FRONT OF 18" REC. INLET, SECOND INLET NORTH OF RAILROAD TRACKS ON THE WEST SIDE OF DALLAS PARKWAY SOUTHBOUND, ELEV. 605.67

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10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

ELECTRICAL DUCTBANK PLAN & PROFILE
LINE 'A' - STA. 5+50.00 TO STA. 8+92.54

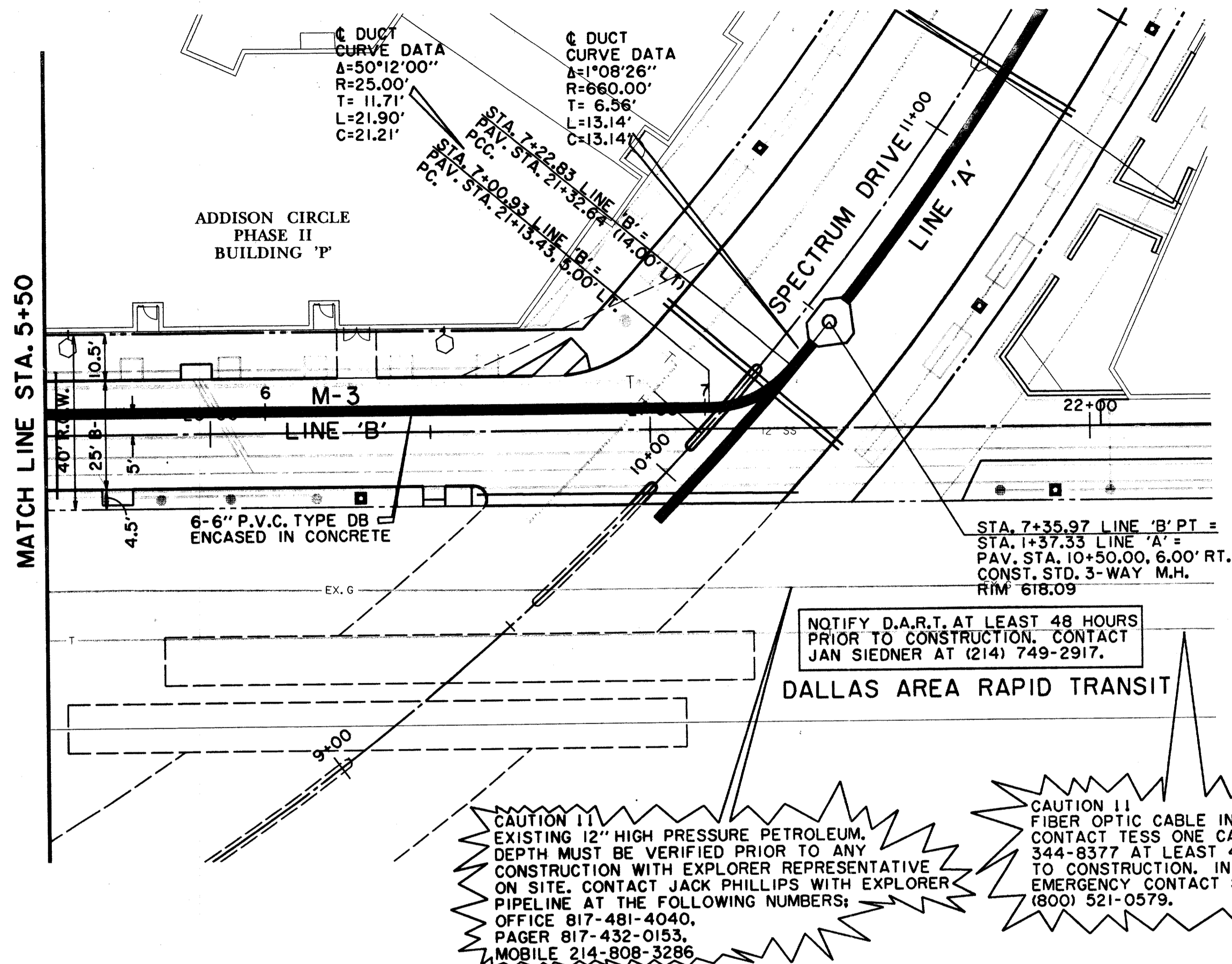
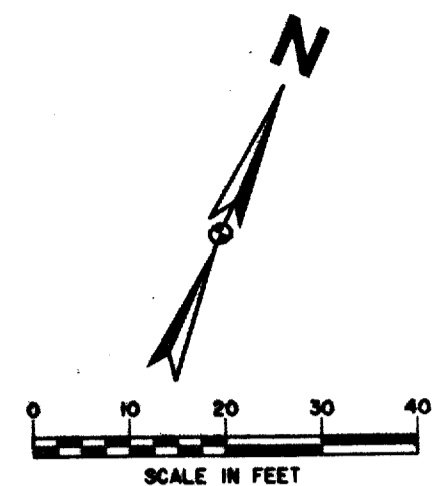
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Huilt-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	E3

PROJECT NO. 01182221.DGN
 DATE: 10/3/97
 DRAWN BY: HZI
 CHECKED BY: DEM
 APPROVED BY: MEYERS

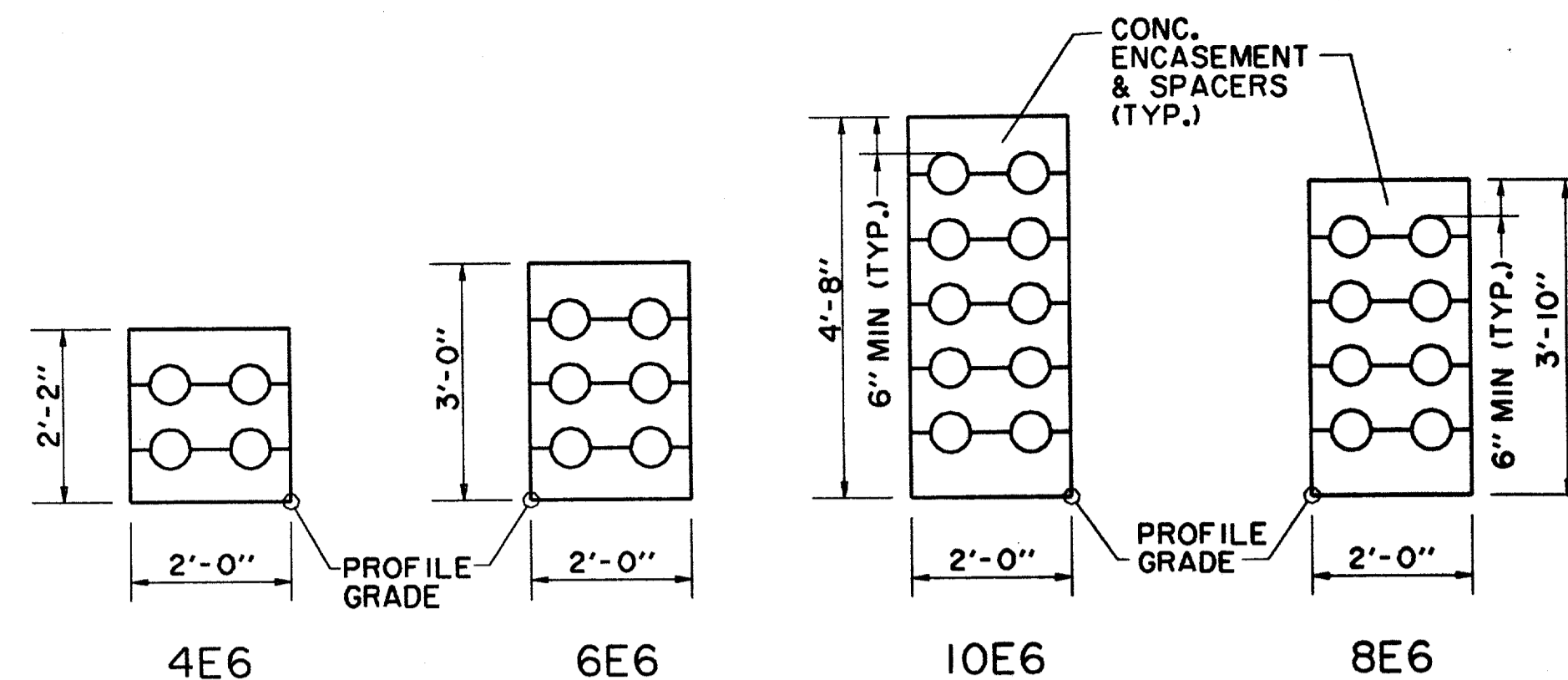
ELECTRICAL DUCTBANK PLAN & PROFILE
 LINE 'A' - STA. 5+50.00 TO STA. 8+92.54
 ADDISON CIRCLE
 PHASE II PUBLIC INFRASTRUCTURE
 TOWN OF ADDISON, TEXAS



GENERAL NOTES:

- CONDUIT TO BE 6" P.V.C., TYPE DB.
- CONCRETE ENCASUREMENT: ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT TWENTY-EIGHT DAYS.
- CONDUIT RUN BETWEEN MANHOLES TO BE INSTALLED WITH A MINIMUM SLOPE OF 4" PER 100 FEET TO DRAIN THROUGHOUT ITS ENTIRE LENGTH INTO A MANHOLE OR MANHOLES.
- INSTALL 6" PVC, TYPE DB CONDUIT BENDS AND ADAPTERS ON ANGLES GREATER THAN 15°.
- SPACERS (CARLON #288RLN [BASE] AND 289RLN [INTERMEDIATE]) ARE REQUIRED. THEY SHALL BE SPACED AT 5' INTERVALS AND ARE TO BE TIED TOGETHER BY NON-METALLIC TIE-WRAPS. ALL SPACERS TO PROVIDE 3" VERTICAL AND HORIZONTAL SEPARATION BETWEEN CONDUITS.
- WHEN COMPLETE, ALL CONDUIT WILL BE CHECKED BY PULLING A MANDREL/SWAB THROUGH ENTIRE LENGTH OF CONDUIT.
- CONSTRUCTION PLANS SHOW APPROXIMATE RIM ELEVATION; HOWEVER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL THE NECESSARY AMOUNT OF NECK TO BRING THE TOP OF THE COVER 2" ABOVE FINISHED GRADE OR FLUSH WITH STREET GRADE WHEN COVER IS IN STREET.
- BACKFILL OPERATION SHALL BEGIN AFTER CONCRETE HAS HAD TIME TO CURE (CURING TIME IS AT THE DISCRETION OF TU'S INSPECTOR). BACKFILL SHALL HAVE NO ROCKS LARGER THAN 1" IN DIAMETER AND SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY BETWEEN 0% AND 3% OF OPTIMUM MOISTURE CONTENT.

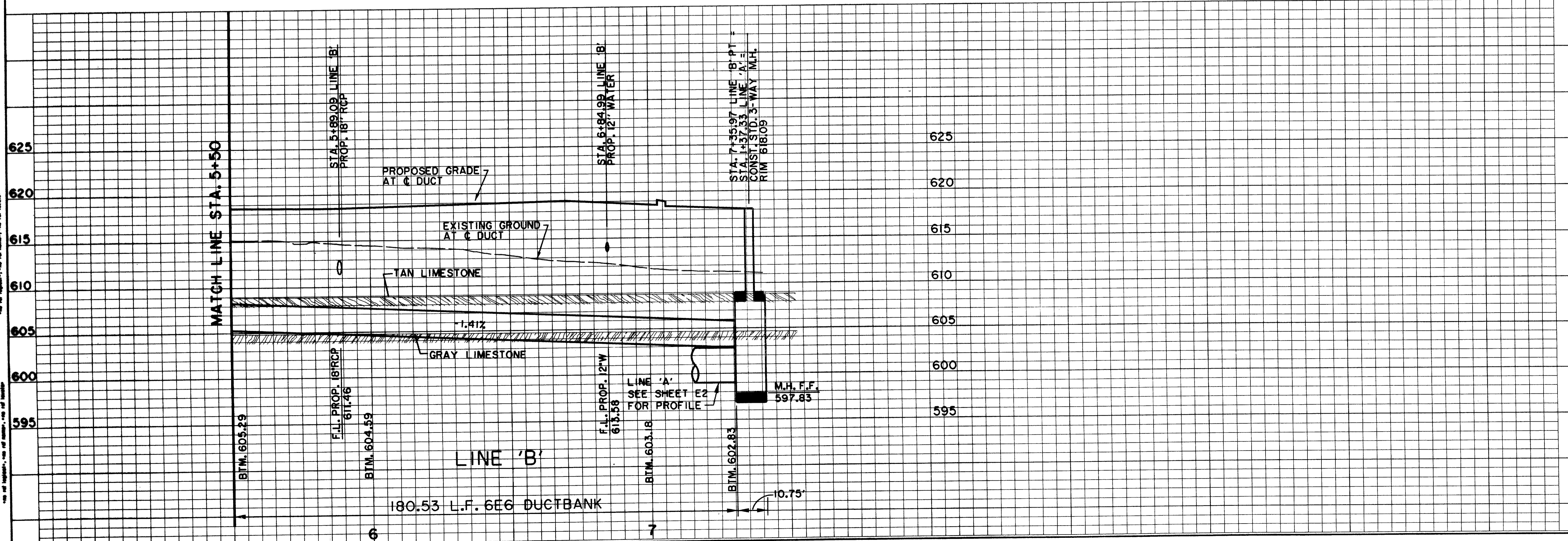
TYPICAL DUCTBANK SECTION
N.T.S.



LEGEND

ELECTRIC — ONE —	48" RCP	MISC.
⊙ LIGHT POLE	EX. STORM SEWER	
PP POWER POLE	CHAIN LINK FENCE	
⊖ GUY WIRE	WOOD FENCE	
TELEPHONE — T —	EXISTING ASPHALT	
TELEPHONE MANHOLE	EXISTING DIRT OR GRAVEL	
TELEPHONE PEDESTAL	EX. CONCRETE	
TELEPHONE SIGN	TREE/TREE LINE	
GAS — G —	EXISTING CURB	
GM GAS METER	PROP. CURB	
GS GAS SIGN	PROP. EDGE OF PAVEMENT NO CURB	
LAND USE	EX. PROPERTY LINE	
RAILROAD SIGN	PROP. CENTERLINE	
SIGN	PROP. R.O.W.	
SURVEY	PROP. INLET	
I.R. FOUND IRON ROD	T.P. TOP OF PAVEMENT	
BENCHMARK	T.C. TOP OF CURB	
WASTEWATER — WW —	CR CURB RETURN	
WW M.H. WASTEWATER MANHOLE	EX. G. EXISTING GUTTER	
CO CLEANOUT	EX. T.C. EXISTING TOP OF CURB	
WATER — W —	B-20 BORING LOCATION	
FH FIRE HYDRANT	EXISTING BRICKS	
WM METER	PAVEMENT REMOVAL	
T WATER VALVE		

RECORD DRAWING



DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

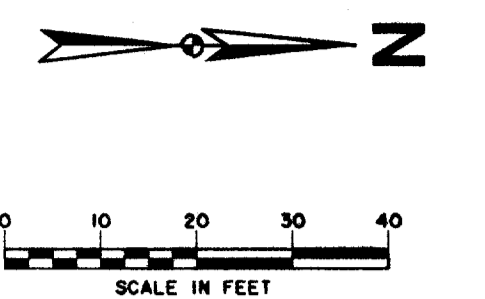
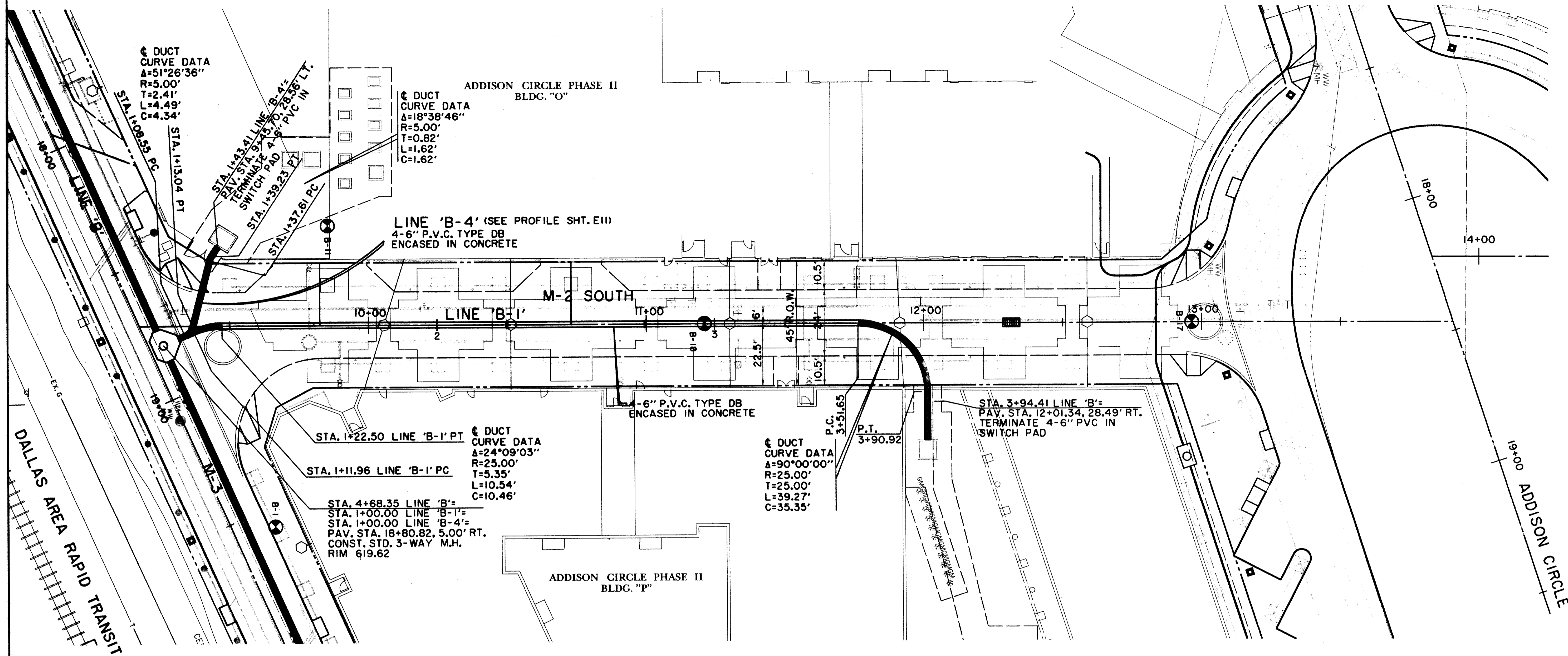
ELECTRICAL DUCTBANK PLAN & PROFILE
LINE 'B' - STA. 5+50 TO STA. 7+35.97

ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Hullt-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

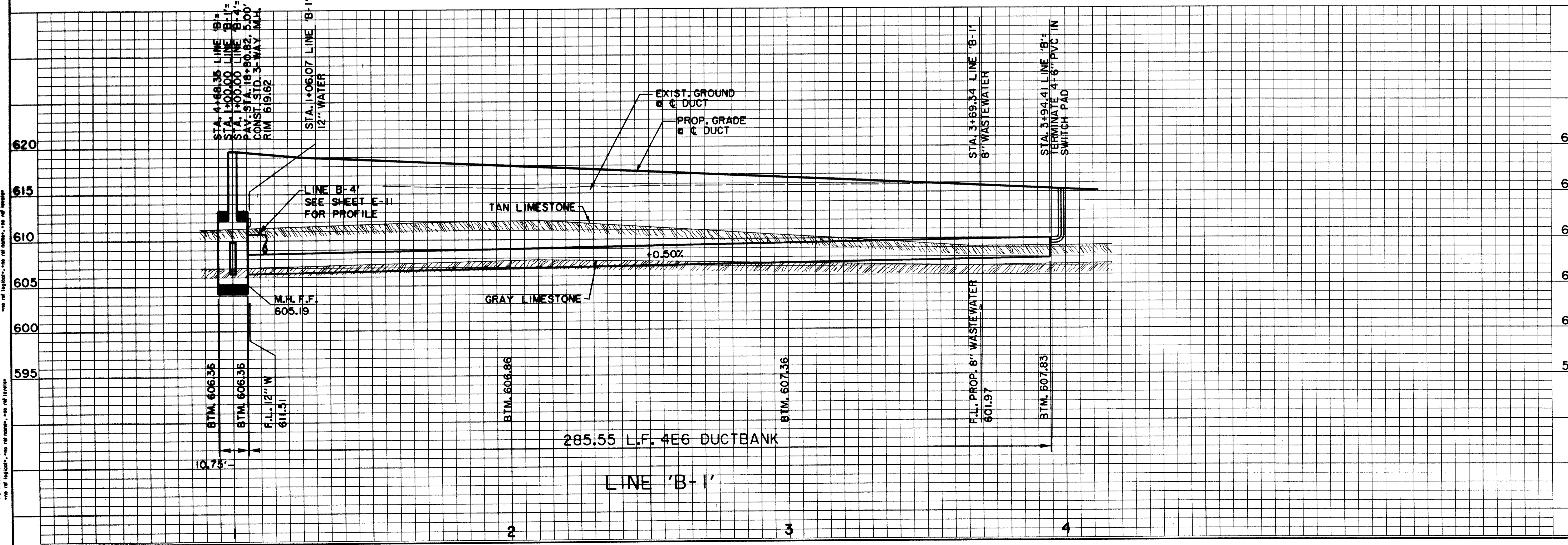
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HZI	HZI	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	E5

Project: 01182221.dgn AUC2EL02.DGN



LEGEND

	ELECTRIC — ONE —		48" RCP		MISC. EX. STORM SEWER
	LIGHT POLE		CHAIN LINK FENCE		WOOD FENCE
	POWER POLE		EXISTING ASPHALT		EXISTING DIRT OR GRAVEL
	GUY WIRE		TELEPHONE PEDESTAL		EX. CONCRETE
	TELEPHONE MANHOLE		TELEPHONE SIGN		TREE/TREE LINE
	TELEPHONE PEDESTAL		GAS		EXISTING CURB
	TELEPHONE SIGN		GAS METER		PROP. CURB
	GAS METER		GAS SIGN		PROP. EDGE OF PAVEMENT NO CURB
	GAS SIGN		LAND USE		EX. PROPERTY LINE
	RAILROAD SIGN		SIGN		PROP. CENTERLINE
	SURVEY		FOUND IRON ROD		PROP. R.O.W.
	FOUND IRON ROD		BENCHMARK		PROP. INLET
	BENCHMARK		WASTEWATER MANHOLE		T.P. TOP OF PAVEMENT
	WASTEWATER MANHOLE		CLEANOUT		T.C. TOP OF CURB
	WATER		FIRE HYDRANT		CR CURB RETURN
	METER		WATER VALVE		EX. G EXISTING GUTTER
	WATER VALVE		BORING LOCATION		EX. T.C. EXISTING TOP OF CURB
	BORING LOCATION		EXISTING BRICKS		B-20 PAVEMENT REMOVAL



BENCHMARKS:

BM#1
"I" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#5
"I" CUT ON NORTHWEST CORNER OF CONC. HDWL. FOR 7'X7' BOX CULVERT UNDER R.R. TRACKS, 180 FEET WEST OF DALLAS PARKWAY SOUTHBOUND. ELEV. 610.49

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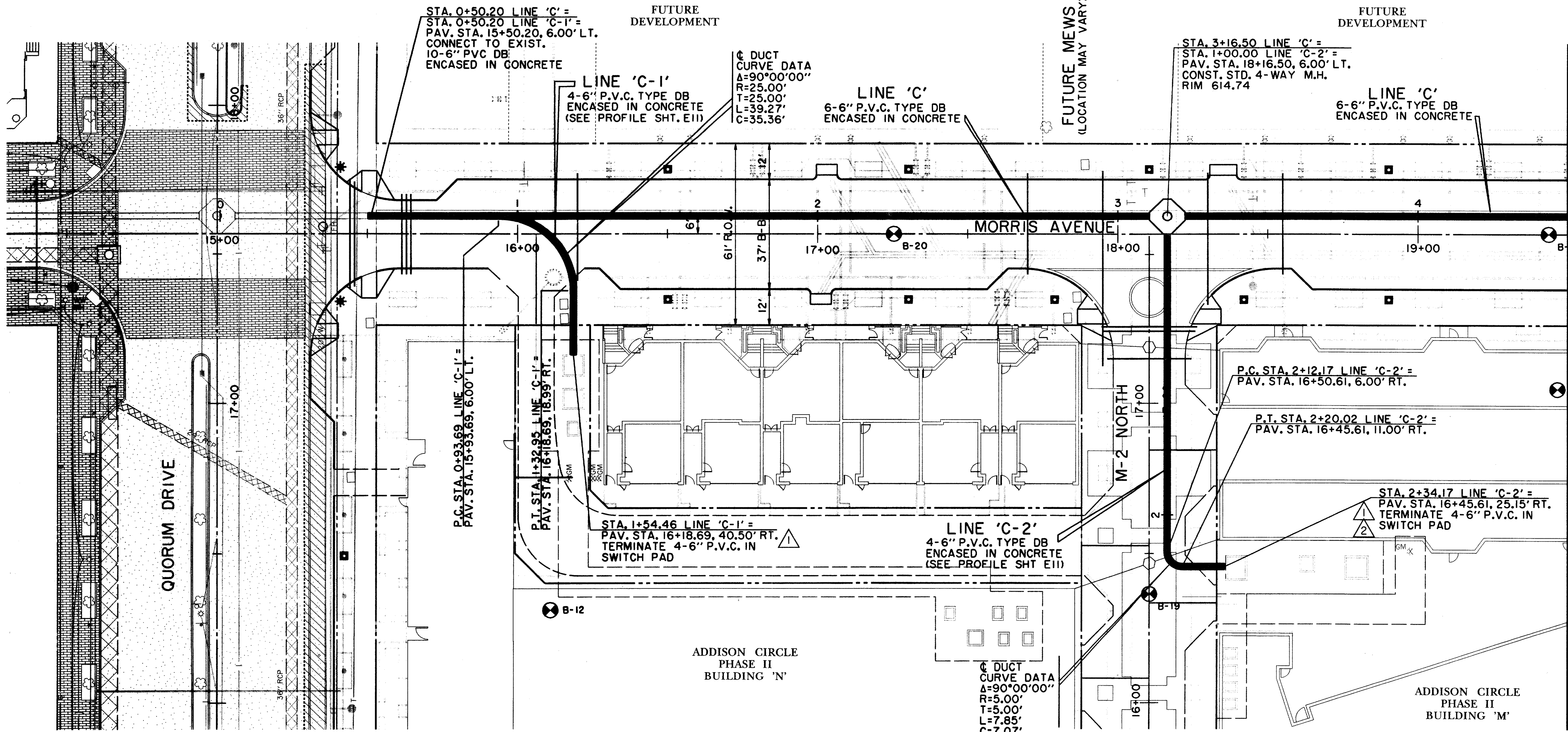
DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

ELECTRICAL DUCTBANK PLAN & PROFILE
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Hull-Zollars, Inc./Engineering/Architecture
 Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	E6

P:\ADDISON\ADDISON - PHASE II - ELECTRICAL - DUCTBANK PLAN & PROFILE - SHEET E-11.dwg
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 CHECKED BY: DEM
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 PLOT SHEET: E-11
 PLOT PROJECT: 01-1822-21
 PLOT NO.: E6

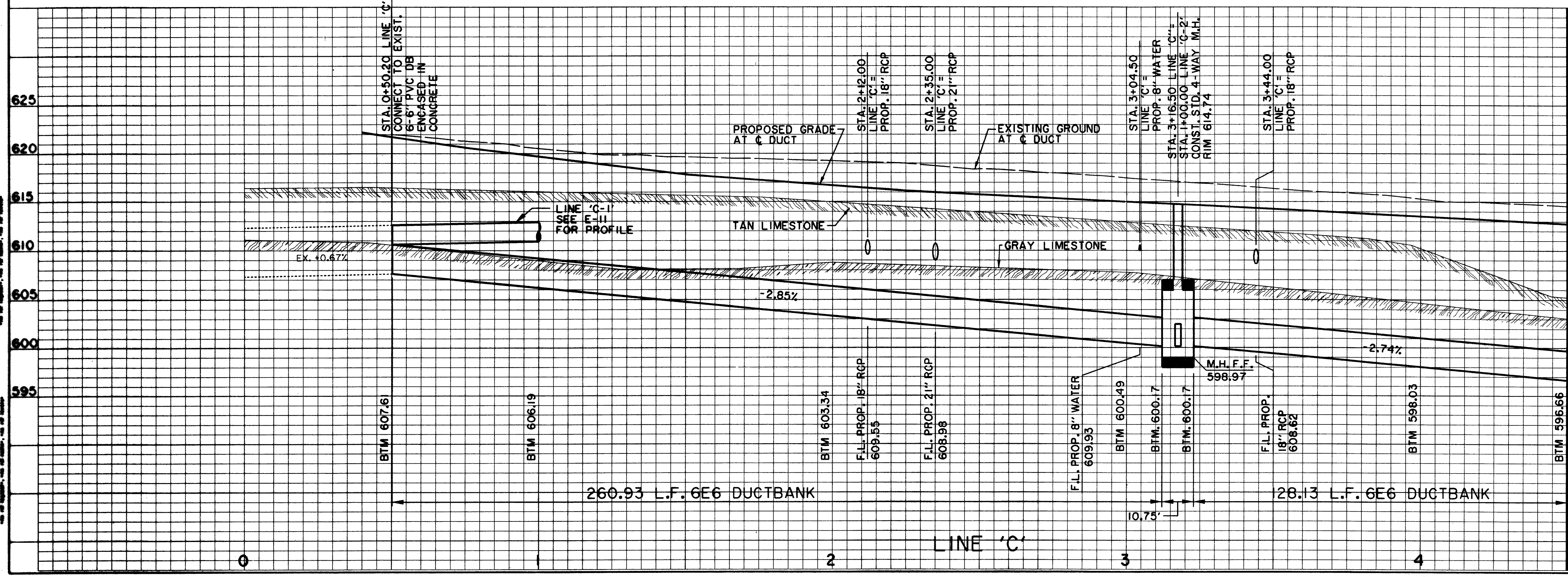


MATCH LINE STA. 4+50

**RECORD
DRAWING**

LEGEND

	ELECTRIC — ONE		MISC.
	LIGHT POLE		EX. STORM SEWER
	POWER POLE		CHAIN LINK FENCE
	GUY WIRE		WOOD FENCE
	TELEPHONE — T		EXISTING ASPHALT
	TELEPHONE MANHOLE		EXISTING DIRT OR GRAVEL
	TELEPHONE PEDESTAL		EX. CONCRETE
	GAS — G		TREE/TREE LINE
	GAS METER		EXISTING CURB
	GAS SIGN		PROP. CURB
	LAND USE		PROP. EDGE OF PAVEMENT NO CURB
	RAILROAD SIGN		EX. PROPERTY LINE
	SIGN		PROP. CENTERLINE
	SURVEY		PROP. R.O.W.
	FOUND IRON ROD		PROP. INLET
	BENCHMARK		TOP OF PAVEMENT
	WASTEWATER — WW		TOP OF CURB
	WASTEWATER MANHOLE		CURB RETURN
	CLEANOUT		EXISTING GUTTER
	WATER — W		EXISTING TOP OF CURB
	FIRE HYDRANT		BORING LOCATION
	METER		EXISTING BRICKS
	WATER VALVE		PAVEMENT REMOVAL



MATCH LINE STA. 4+50

BENCHMARKS:

BM#1
"D" CUT AT CENTER BACK OF CURB OF INLET, 150 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#4
"D" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF ADDISON CIRCLE, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36

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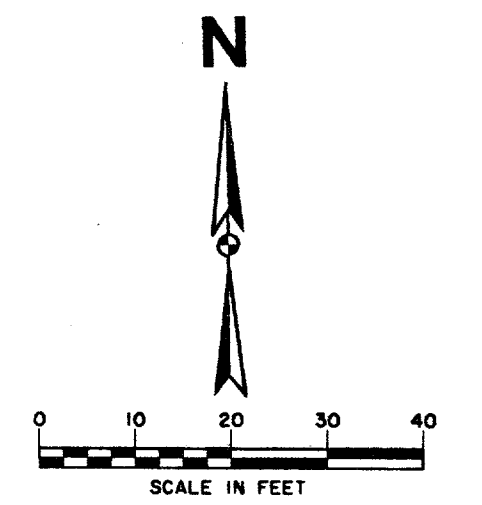
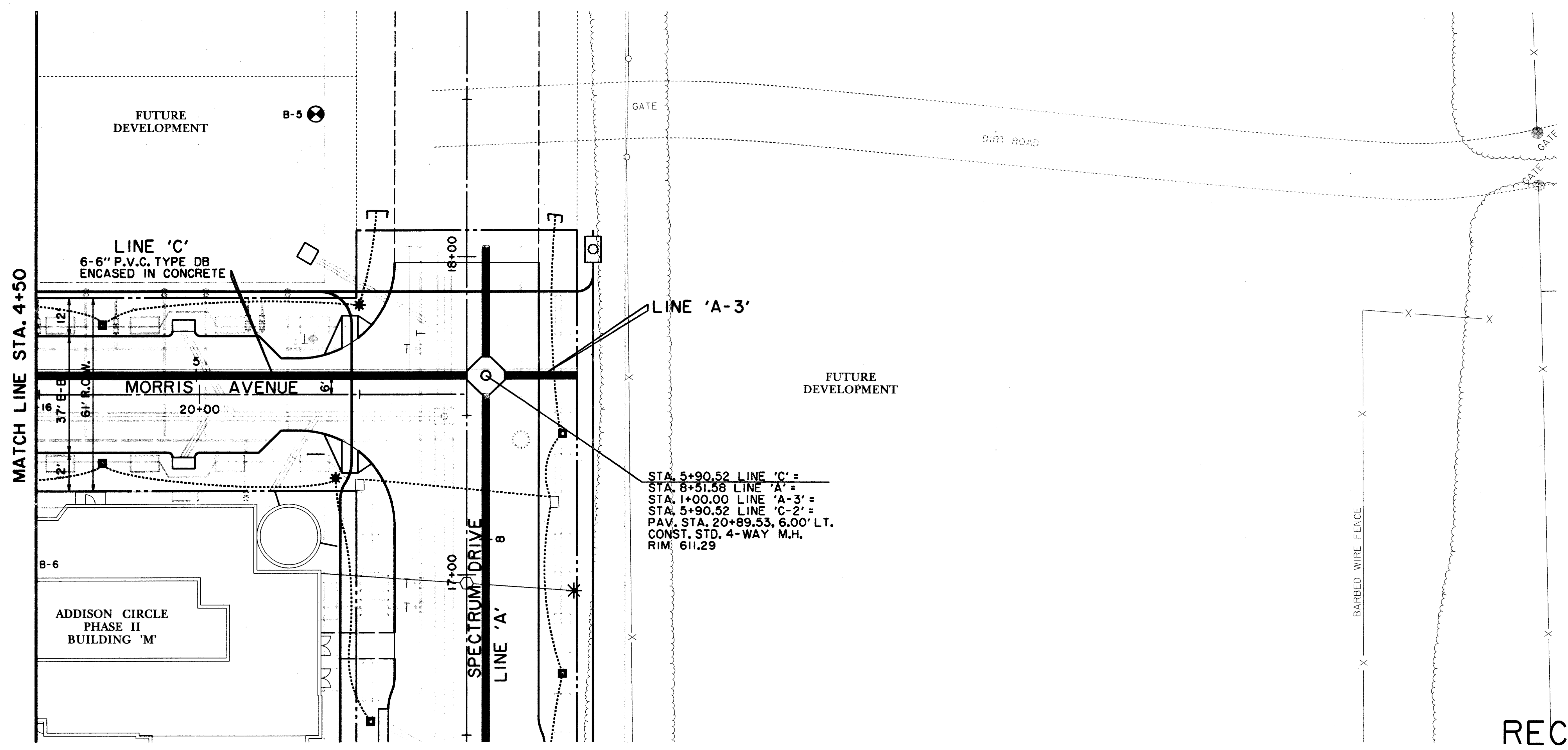
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2/12/98	REVISED LINE C-2	
10/30/97	REVISED STATION & OFFSETS	
7/14/97	ISSUED FOR BID	

ELECTRICAL DUCTBANK PLAN & PROFILE
LINE 'C' - STA. 0+50.20 TO STA. 4+50.00

ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Hull - Zollars, Inc./Engineering/Architecture
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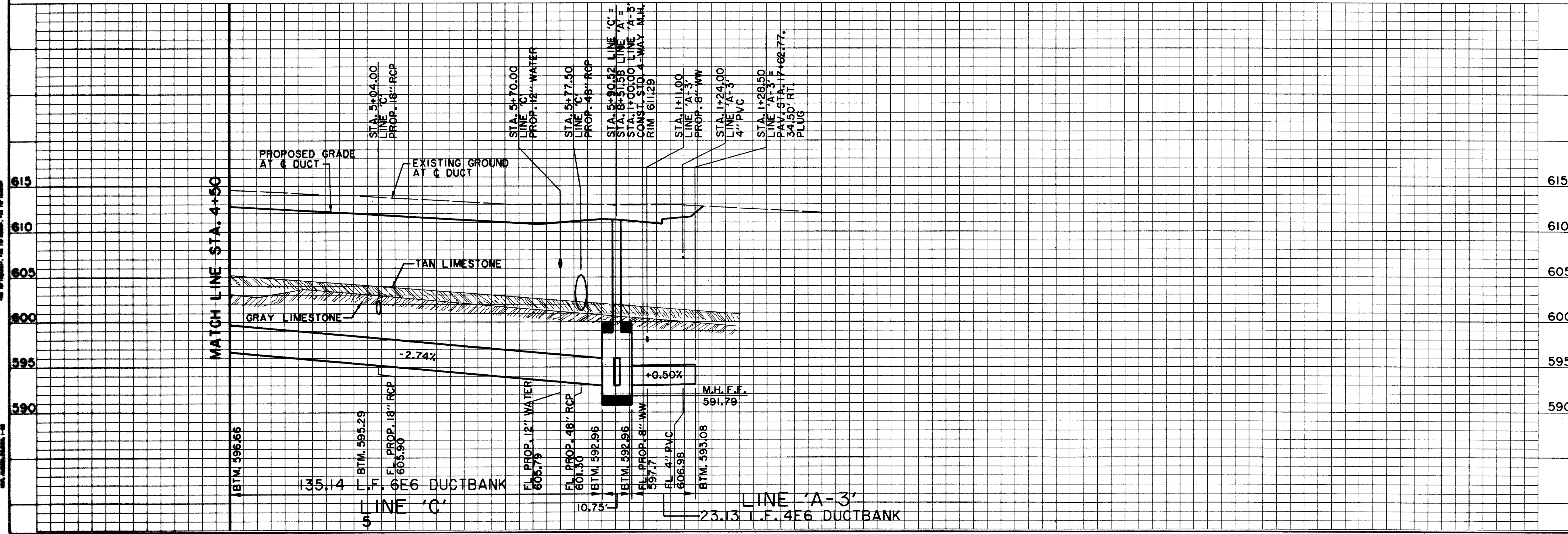
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HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=8'	OCT. 97	01-1822-21	E7



LEGEND

	ELECTRIC — ONE		48" RCP		MISC. EX. STORM SEWER
	LIGHT POLE		CHAIN LINK FENCE		WOOD FENCE
	POWER POLE		EXISTING ASPHALT		EXISTING DIRT OR GRAVEL
	TELEPHONE MANHOLE		EXISTING CONCRETE		EXISTING CURB
	TELEPHONE PEDESTAL		EXISTING PROPERTY LINE		PROP. CENTERLINE
	TELEPHONE SIGN		PROP. R.O.W.		PROP. INLET
	GAS		T.P.		T.C.
	GAS METER		CR		EXISTING GUTTER
	GAS SIGN		EX. G		EXISTING TOP OF PAVEMENT
	LAND USE		EXISTING BRICKS		PAVEMENT REMOVAL
	RAILROAD SIGN		B-20		
	SIGN		EXISTING BRICKS		
	SURVEY FOUND IRON ROD		EXISTING BRICKS		
	BENCHMARK		EXISTING BRICKS		
	WASTEWATER MANHOLE		EXISTING BRICKS		
	CLEANOUT		EXISTING BRICKS		
	WATER		EXISTING BRICKS		
	FIRE HYDRANT		EXISTING BRICKS		
	METER		EXISTING BRICKS		
	WATER VALVE		EXISTING BRICKS		

RECORD DRAWING



BENCHMARKS:

BM#1
"C" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF ADDISON CIRCLE, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#4
"C" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF ADDISON CIRCLE, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36

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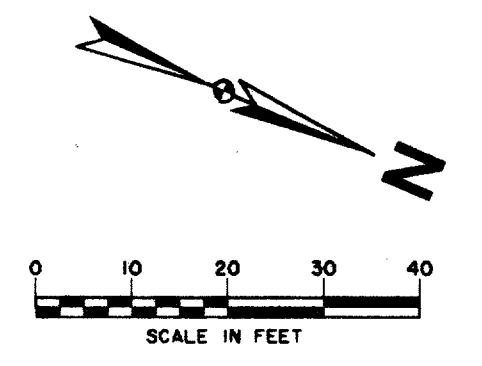
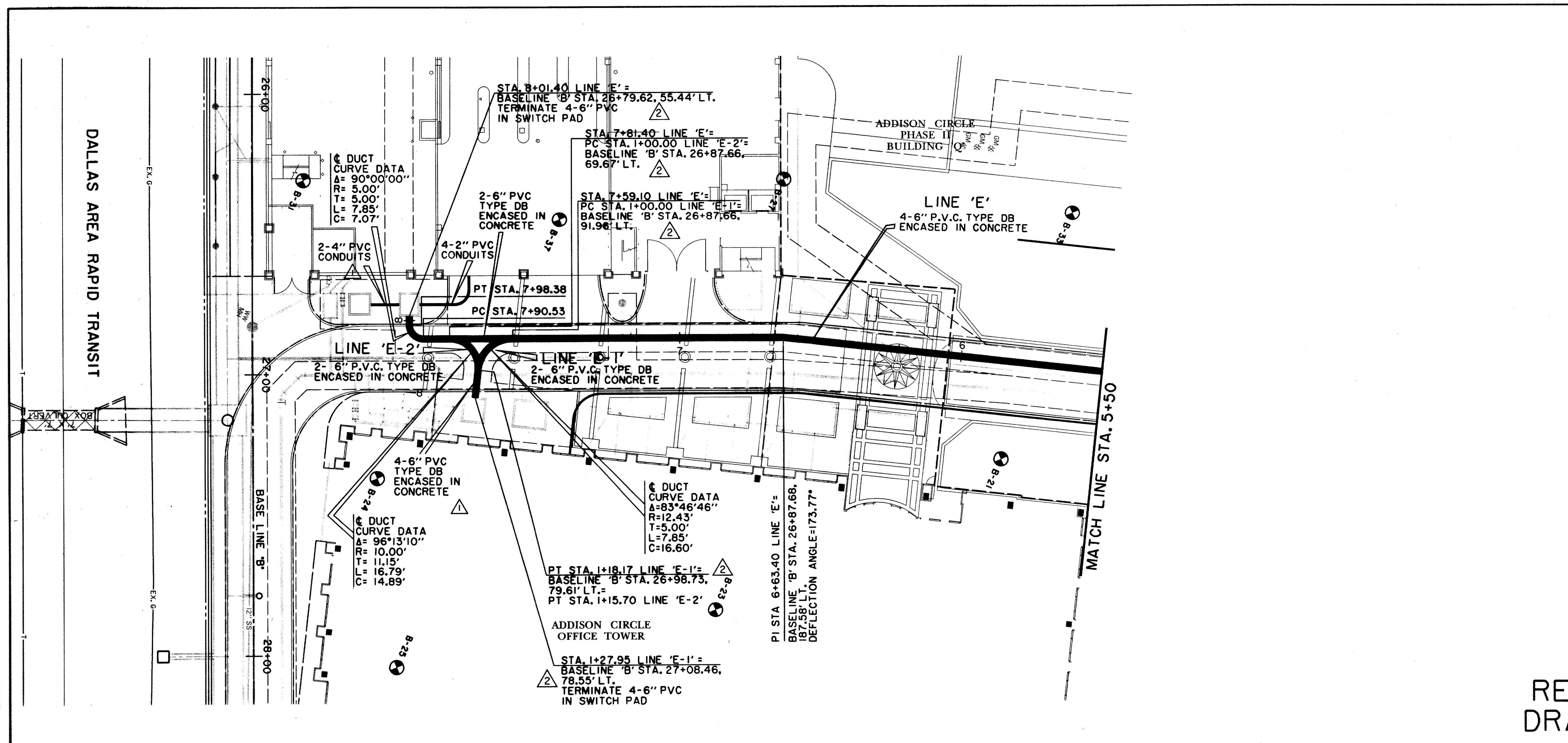
DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

ELECTRICAL DUCTBANK PLAN & PROFILE
LINE 'C' - STA. 4+50.00 TO STA. 5+90.52 & LINE 'A-3'

ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Huitt-Zollars, Inc./Engineering/Architecture
 Dallas, Fort Worth, Houston, El Paso, Phoenix, Austin, Ontario

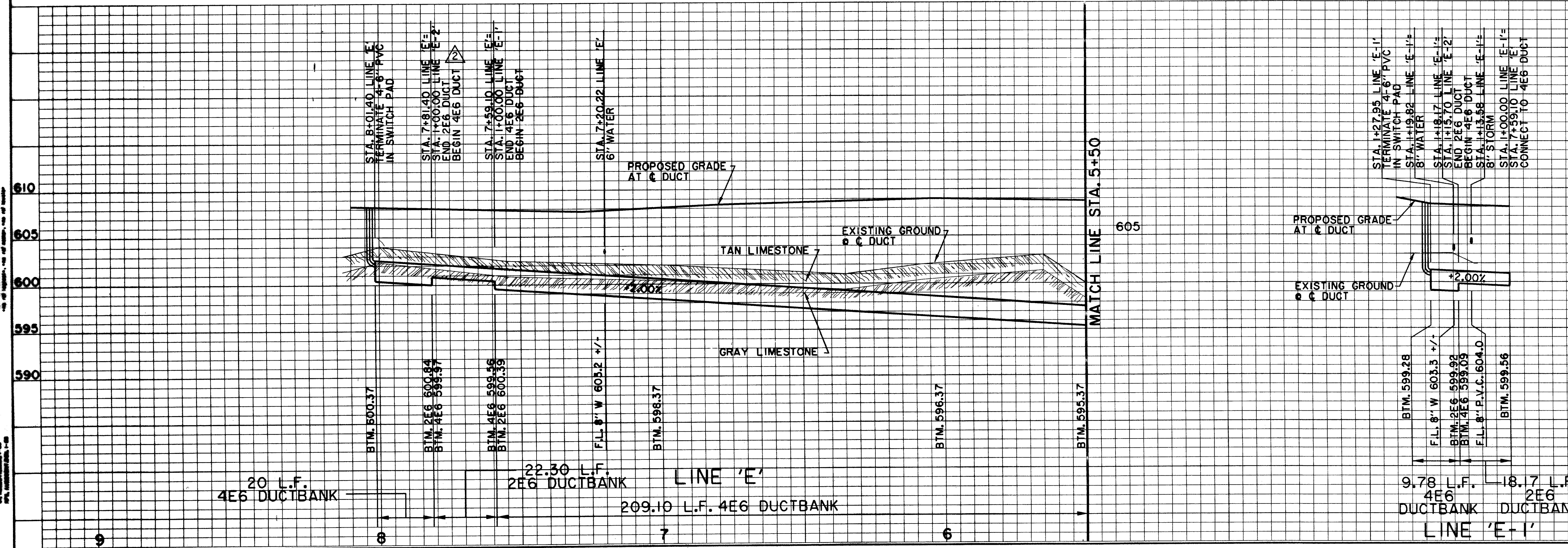
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HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	E8



LEGEND

	ELECTRIC — ONE —		
	○ LIGHT POLE		EX. STORM SEWER
	PP POWER POLE		CHAIN LINK FENCE
	— GUY WIRE		WOOD FENCE
	TELEPHONE — T —		EXISTING ASPHALT
	TELEPHONE MANHOLE		EXISTING DIRT OR GRAVEL
	TELEPHONE PEDESTAL		EX. CONCRETE
	TELEPHONE SIGN		TREE/TREE LINE
	GAS METER		EXISTING CURB
	GAS SIGN		PROP. CURB
	LAND USE		PROP. EDGE OF PAVEMENT NO CURB
	RAILROAD SIGN		EX. PROPERTY LINE
	SIGN		PROP. CENTERLINE
	SURVEY		PROP. R.O.W.
	FOUND IRON ROD		PROP. INLET
	BENCHMARK		T.P. TOP OF PAVEMENT
	WASTEWATER — WW —		T.C. TOP OF CURB
	WASTEWATER MANHOLE		CR CURB RETURN
	CLEANOUT		EX. G EXISTING GUTTER
	WATER — W —		EX. T.C. EXISTING TOP OF CURB
	FIRE HYDRANT		B-20 BORING LOCATION
	METER		EXISTING BRICKS
	WATER VALVE		PAVEMENT REMOVAL

RECORD DRAWING



BENCHMARKS:

BM#1 '1' CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF ADDISON CIRCLE, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#5 '1' CUT AT NORTHWEST CORNER OF NORTH HDWL. OF 7'X7' BOX CULVERT UNDER RAILROAD, 180' WEST OF DALLAS PARKWAY SOUTHBOUND. ELEV. 610.49

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

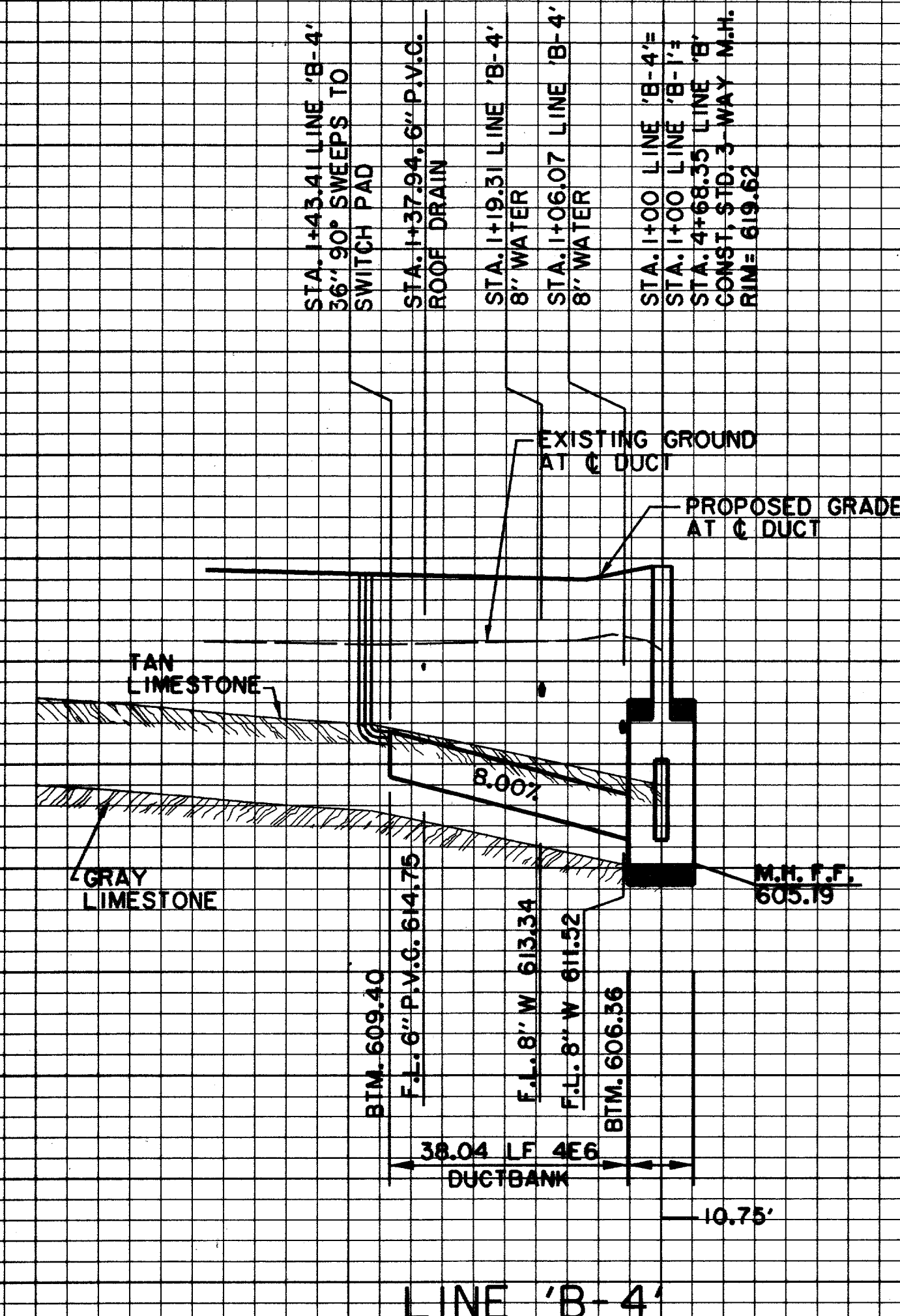
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10/30/97	MISC. STATION & OFFSET REVISIONS	2
10/3/97	ISSUED FOR CONSTRUCTION	N/A
9/29/97	REVISED SWITCH PAD LOCATION	1
7/14/97	ISSUED FOR BID	N/A

ELECTRICAL DUCTBANK PLAN & PROFILE
LINE 'E'

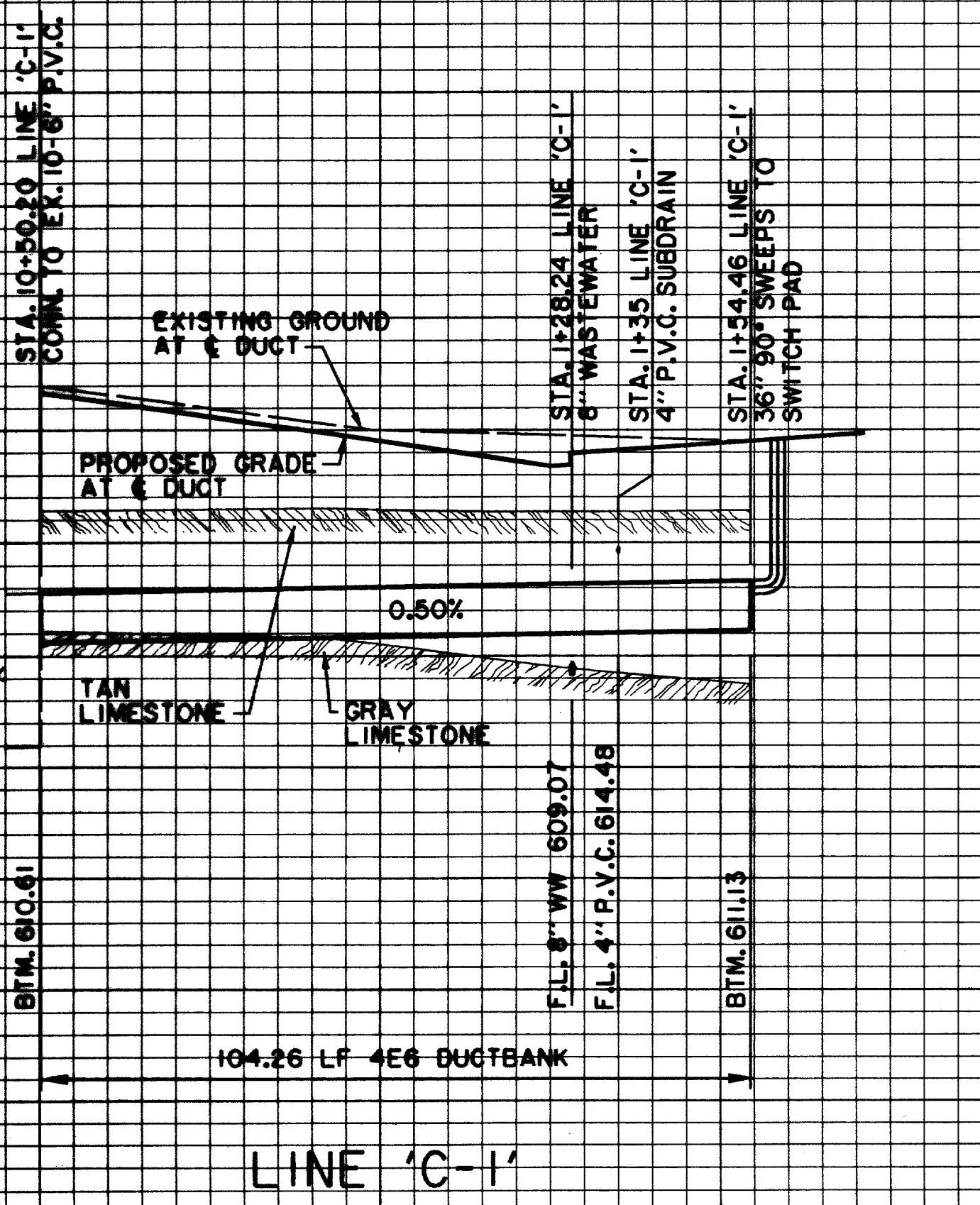
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Hui11-Zollars, Inc./Engineering/Architecture
 Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

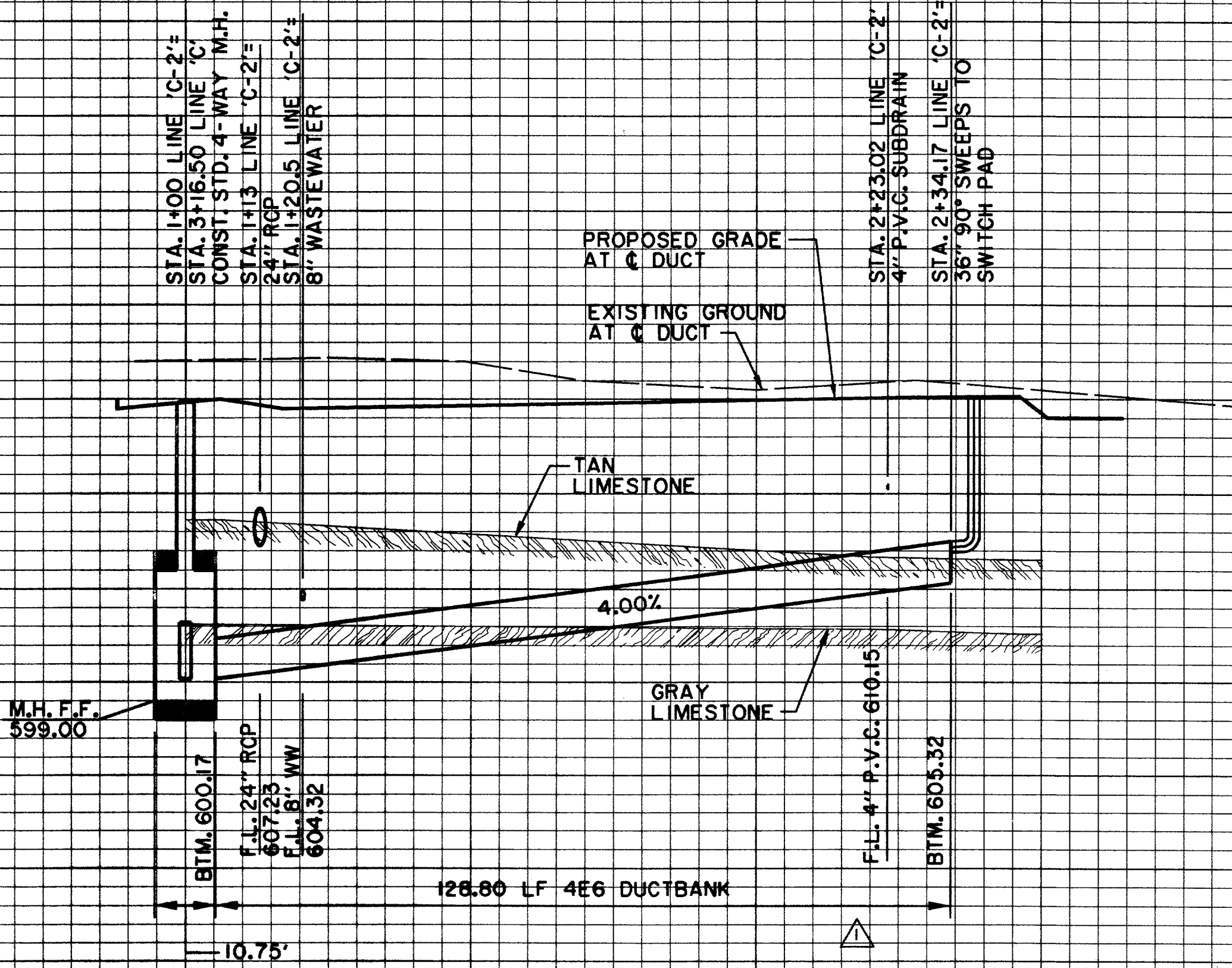
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HZ1	HZ1	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	E10



LINE 'B-4'

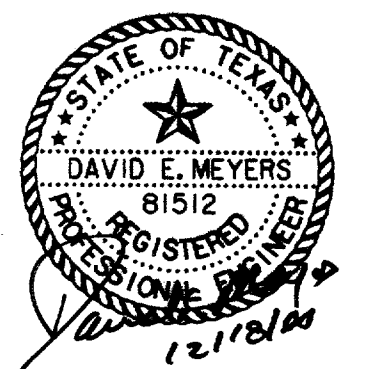


LINE 'C-1'



LINE 'C-2'

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



RECORD DRAWING

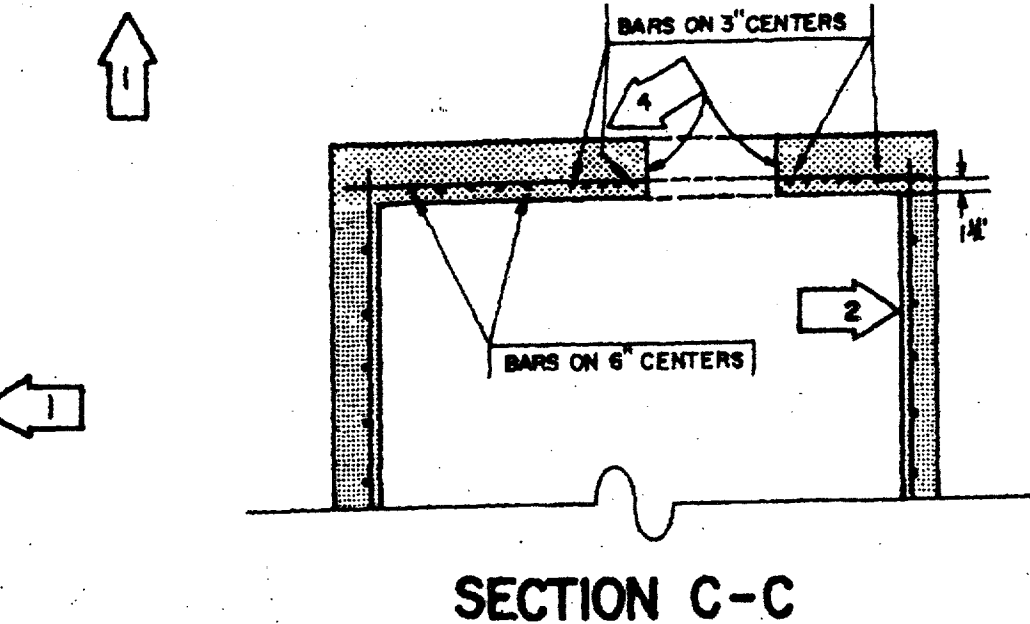
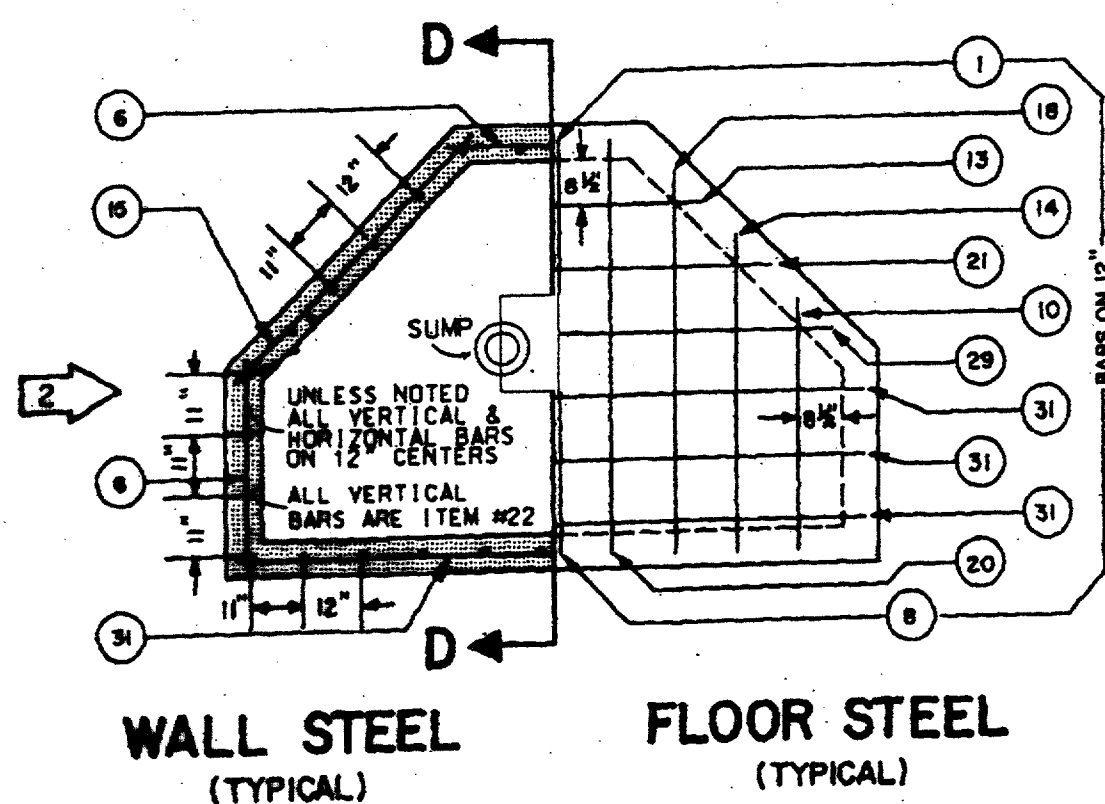
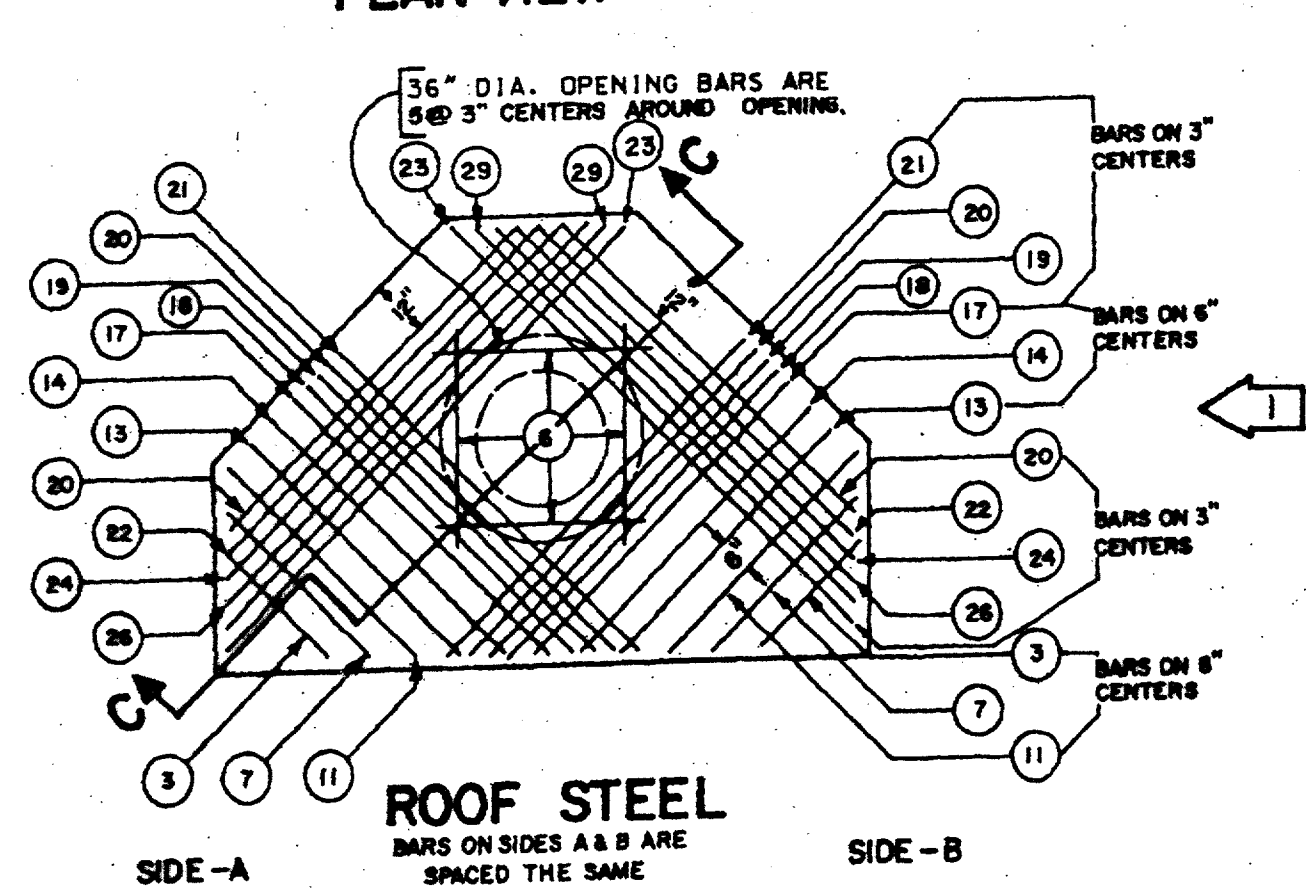
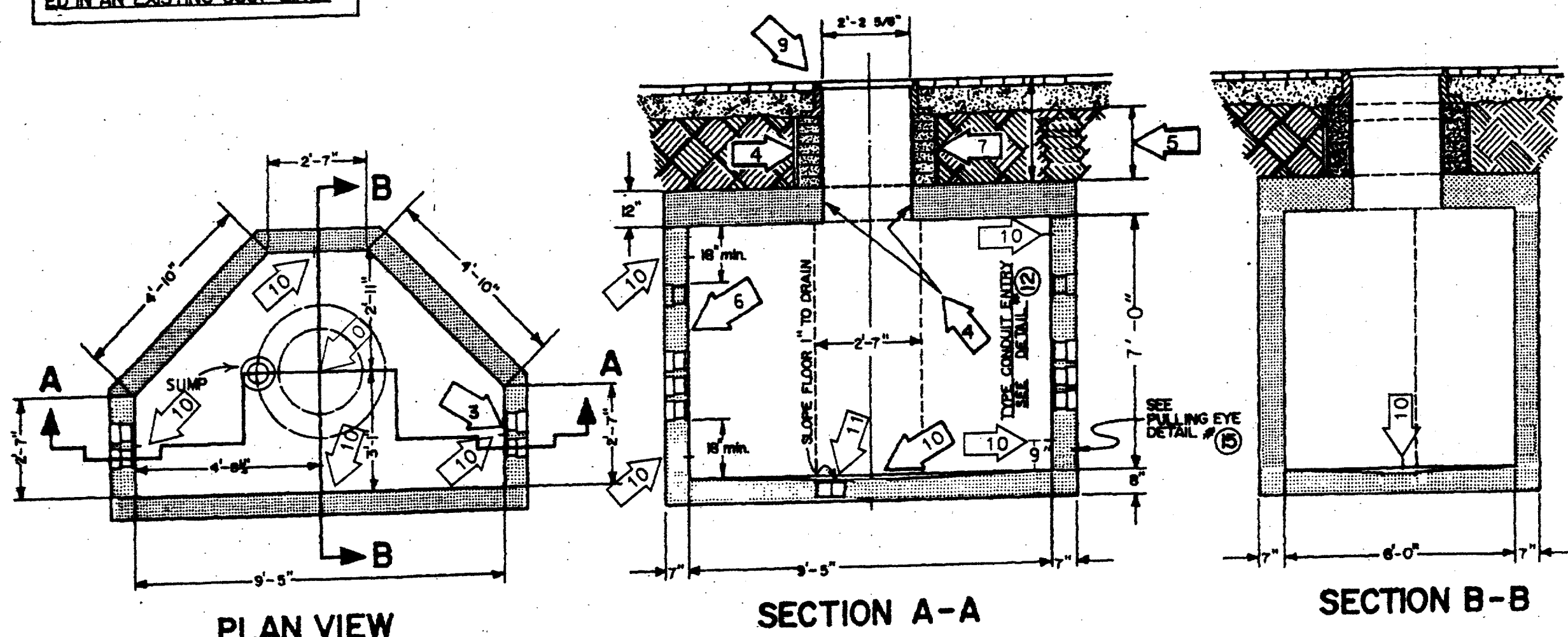
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2/12/98	REVISED LINE C	△
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

ELECTRICAL DUCTBANK PROFILES LINES A, B & C						
ADDISON CIRCLE						
PHASE II PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
<small>Huitt-Zollars, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario</small>						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	E11

—SPECIAL 'C' MANHOLE—

DETAIL #3

NOTE: THIS MANHOLE IS DESIGNED FOR INSTALLATIONS WHERE A MANHOLE IS REQUIRED IN AN EXISTING DUCT LINE.



ITEM	LENGTHS		QUANTITY			TOTAL
	FT.	IN.	FLOOR	WALLS	ROOF	
1	2	0	1			1
3	2	6			2	2
6	3	3		18	4	22
7	3	6			2	2
8	3	9	1			1
10	4	3	2			2
11	4	6			2	2
13	5	0	1		2	3
14	5	3	2		2	4
15	5	6		12		12
17	6	0			2	2
18	6	3	2		2	4
19	6	6			2	2
20	6	9	2		4	6
21	7	0	1		2	3
22	7	10		29	4	33
23	9	3			2	2
24	7	9			2	2
26	8	3			2	2
29	9	0	1		2	3
31	10	3	3	6		9

ALL REINFORCING STEEL, DEFORMED, INTERMEDIATE GRADE, OPEN HEARTH, ASTM. A 618 DESIGNATION.
SEE DETAIL # (9) FOR CONCRETE SPECIFICATIONS

— GENERAL NOTES —
ALL GENERAL NOTES APPLY TO BOTH SPECIAL 'C' & TYPE 'D' MANHOLES

- 1 STANDARD HEADROOM 7'-0" ALL REINFORCING BARS TO BE #5 DEFORMED BARS. ALL BARS TO HAVE MINIMUM COVER OF 1 1/2". ALL DIMENSIONS ARE TO 6" OF BARS. SEE PLANS FOR EXTRA HEADROOM.
- 2 FIELD CUT STEEL AS REQUIRED FOR TERMINATORS.
- 3 NUMBER OF TERMINATORS SHOWN ON PLANS INSTALLED IN EACH END PANEL. SEE DETAIL # (8)

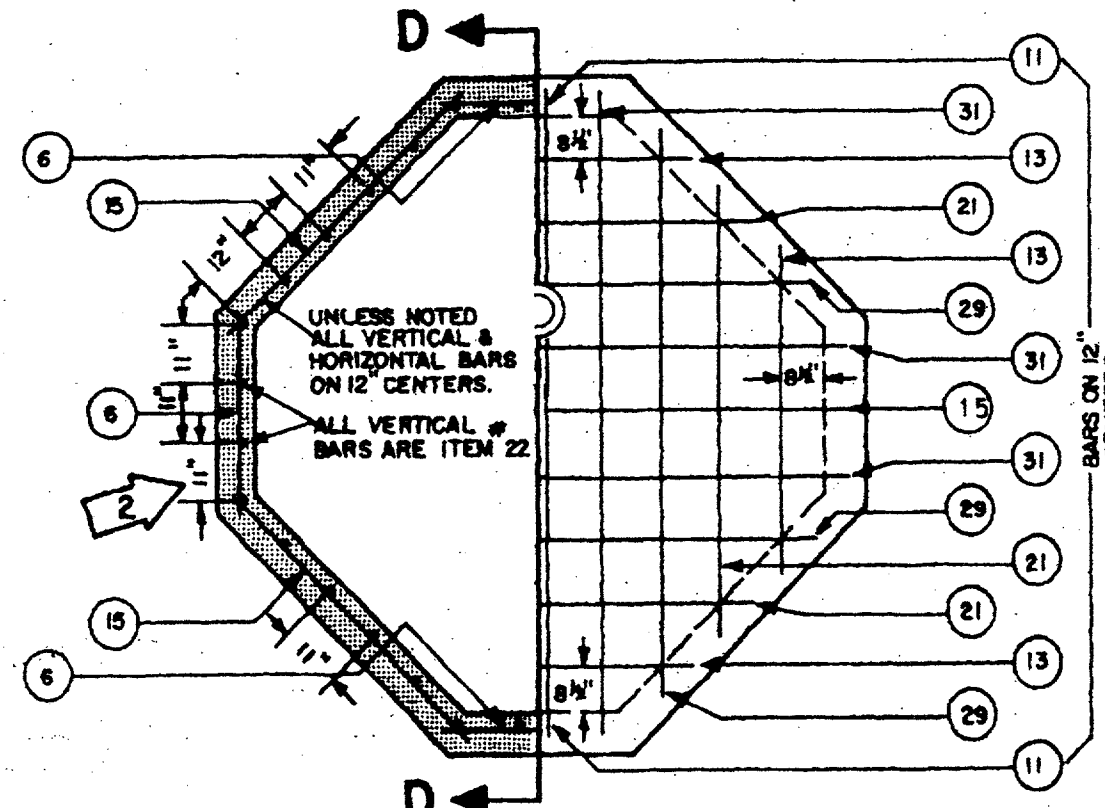
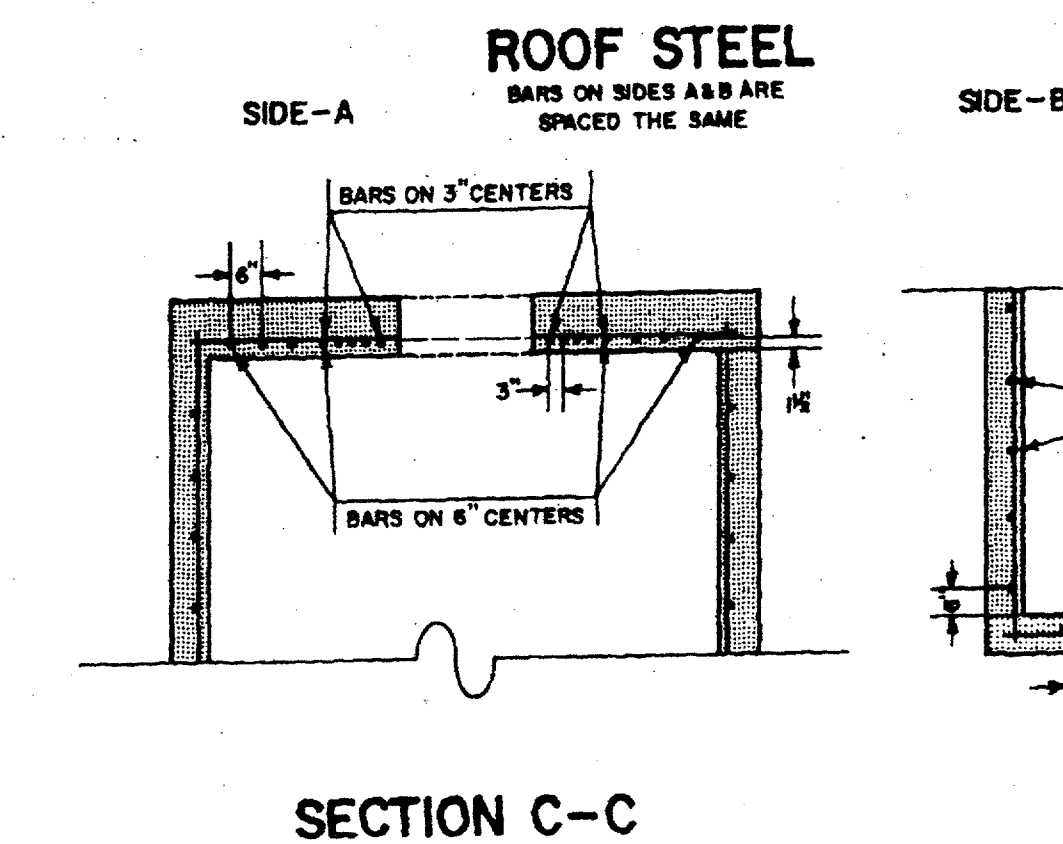
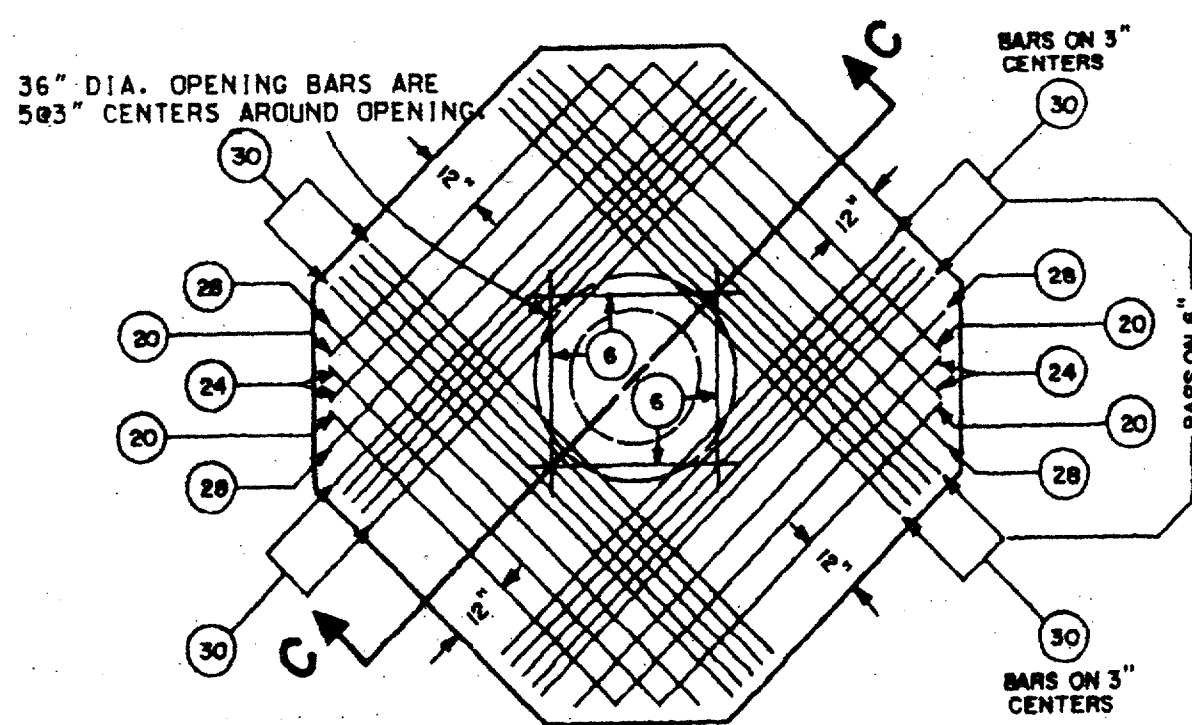
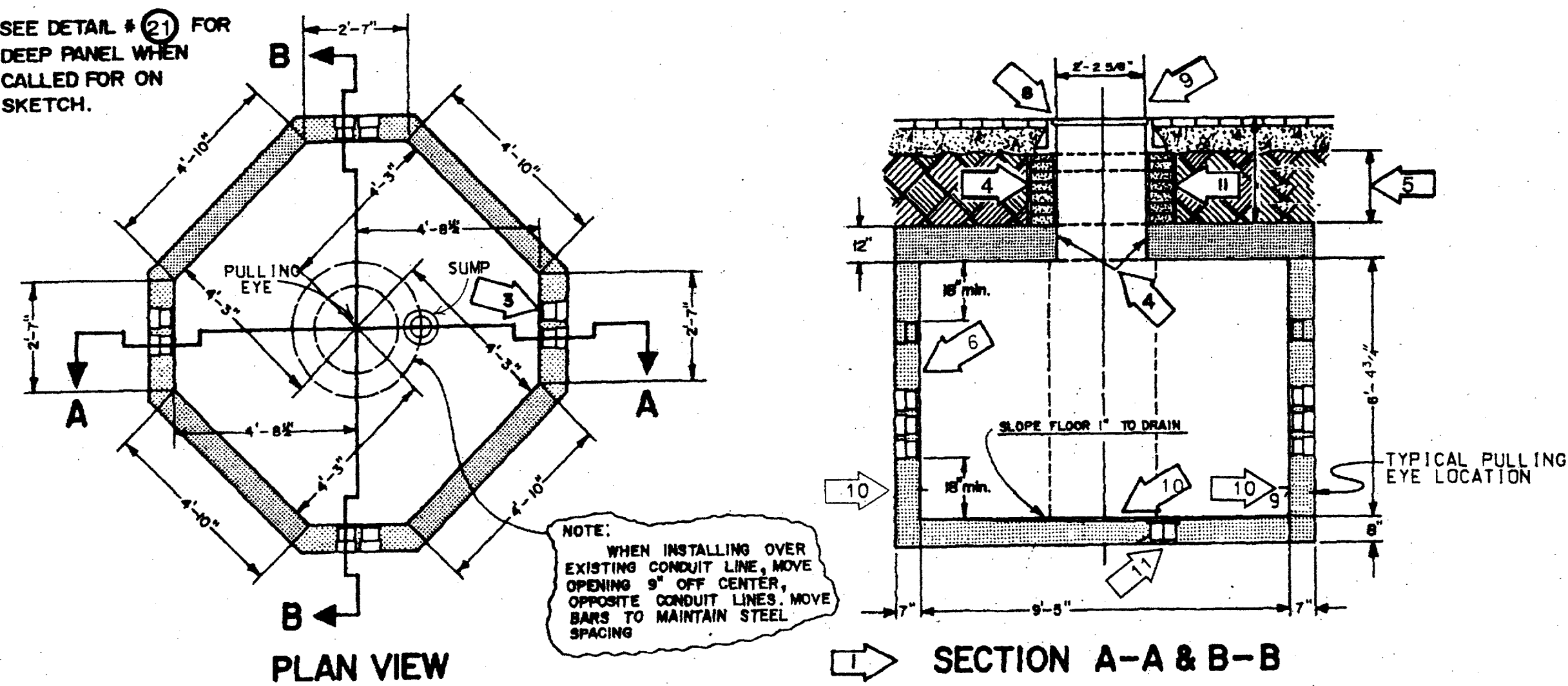
- 4 BLOCK UP CASTING WITH BRICKS TO FIVE-NEUT GRAD. BRICKWORK TO RECEIVE 1/2" MORTAR COATING INSIDE & OUTSIDE.
- 5 1 1/2" MINIMUM CUSHION.
- 6 FOR GROUNDING DETAILS SEE DETAIL # (17)

- 7 A PRECAST REINFORCED CONCRETE NECK MAY BE USED WHEN 28" OR MORE. SEE DETAIL # (13)
- 8 4'-4" X 4'-4" X 6" CONCRETE SLAB AROUND M.H. CASTING WHEN INSTALLED IN UNPAVED AREA. SEE DETAIL # (10)
- 9 26 1/2" MH CASTING. SEE DETAIL # (15)
- 10 PULLING EYE. SEE DETAIL # (12)
- 11 SUMP. SEE DETAIL # (14)

—TYPE 'D' MANHOLE—

DETAIL #4

NOTE: SEE DETAIL # (21) FOR DEEP PANEL WHEN CALLED FOR ON SKETCH.



ITEM	LENGTHS		QUANTITY			TOTAL
	FT.	IN.	FLOOR	WALLS	ROOF	
6	3	3		24	4	28
11	4	6	4			4
13	5	0	4			4
15	5	6		24		24
20	6	9			4	4
21	7	0	4			4
22	7	10		32		32
24	7	9			4	4
28	8	9			4	4
29	9	0	4			4
30	9	3			20	20
31	10	3	5			5

STEEL TO CONFORM TO THE LATEST STANDARD SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT.
SEE DETAIL # (18) FOR CONCRETE SPECIFICATIONS

TU ELECTRIC

CD

REVISION DESCRIPTION

DATE

NO.

W.A.

APP. PRN

APP. JES

ENG. JRC

CH. JRC

DATE 05-12-92

DRAWN CH.

APP.

APP.

UNIT ID

ESTIMATE

W.A.

LIST OF DRAWINGS

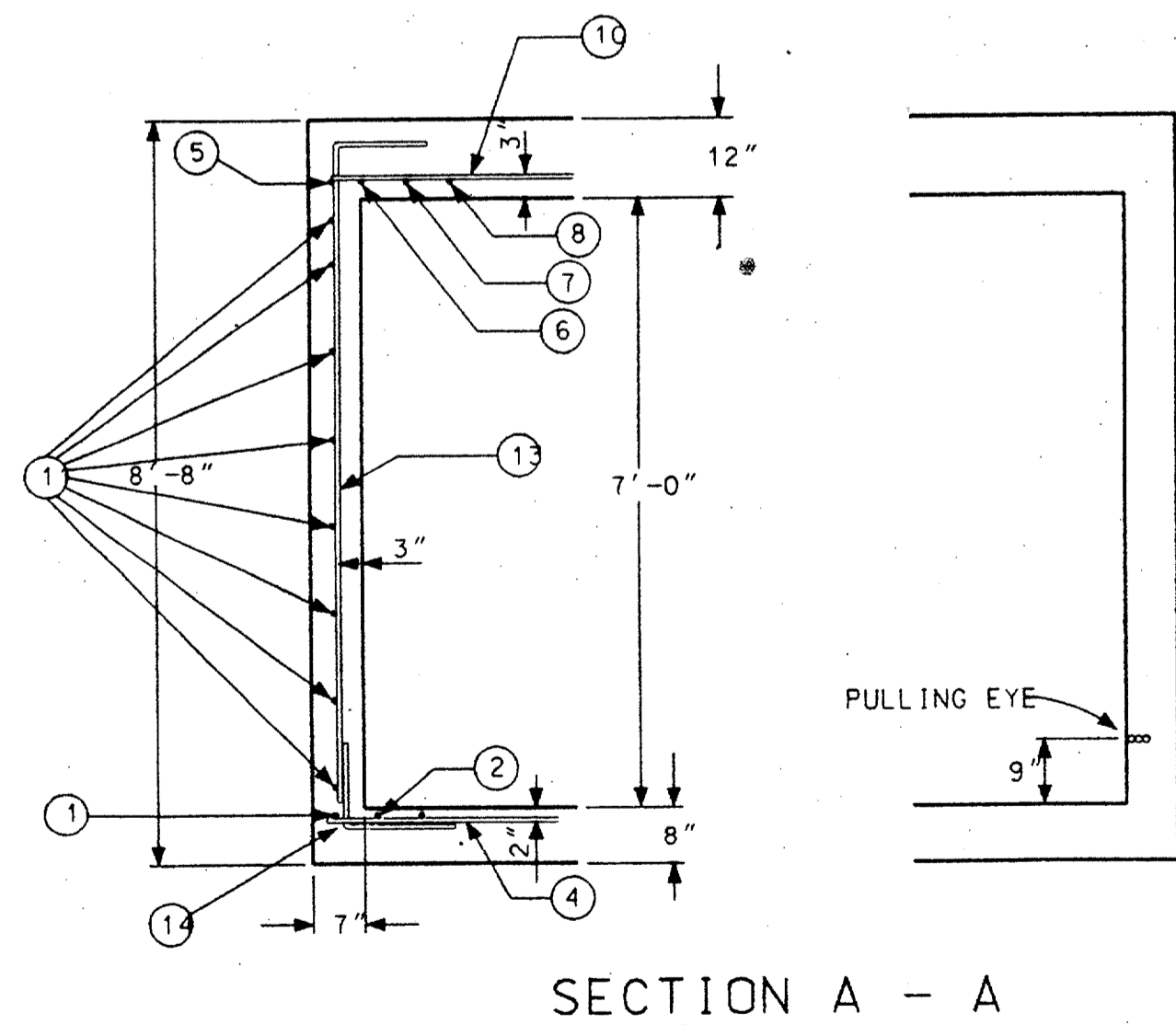
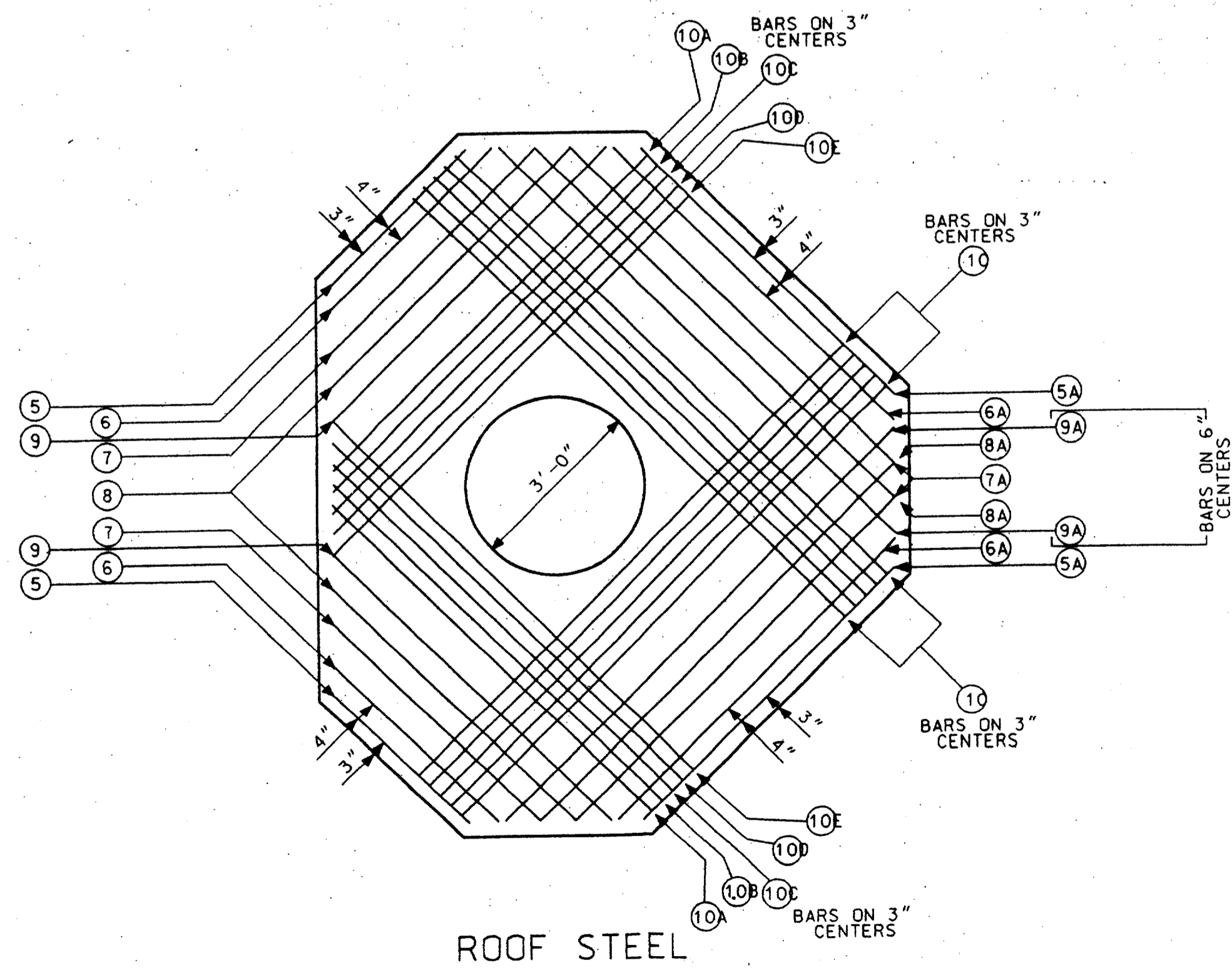
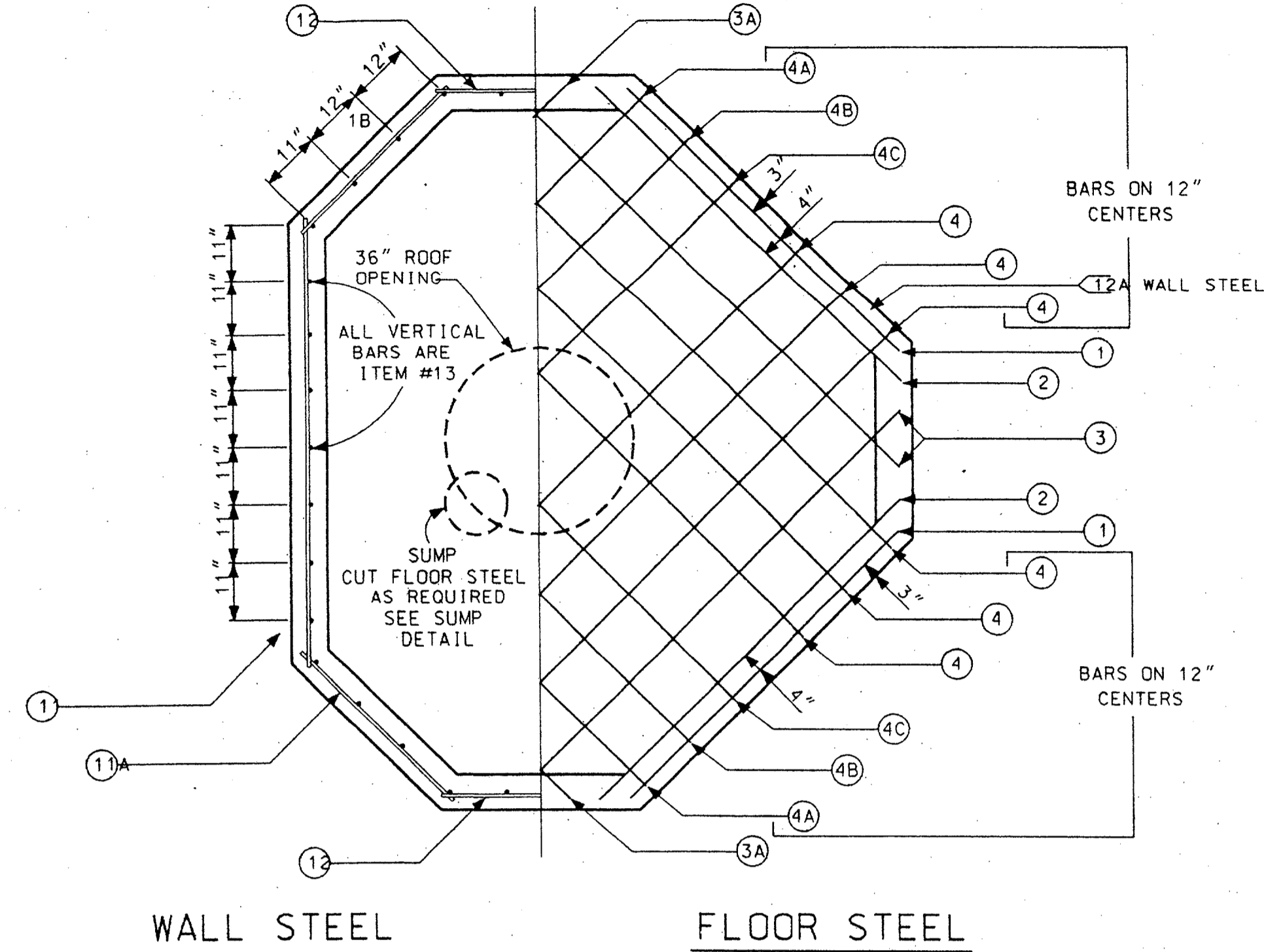
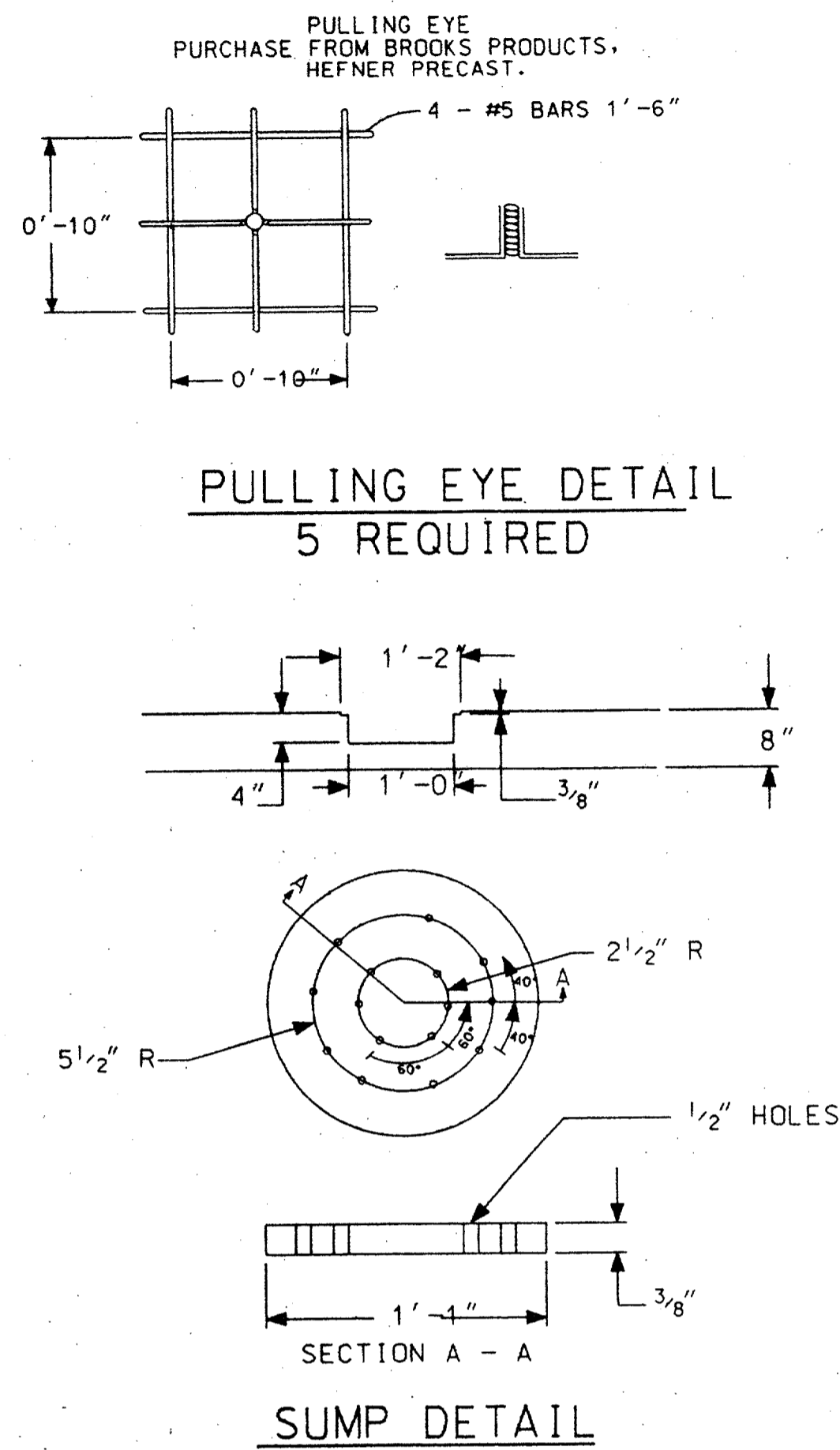
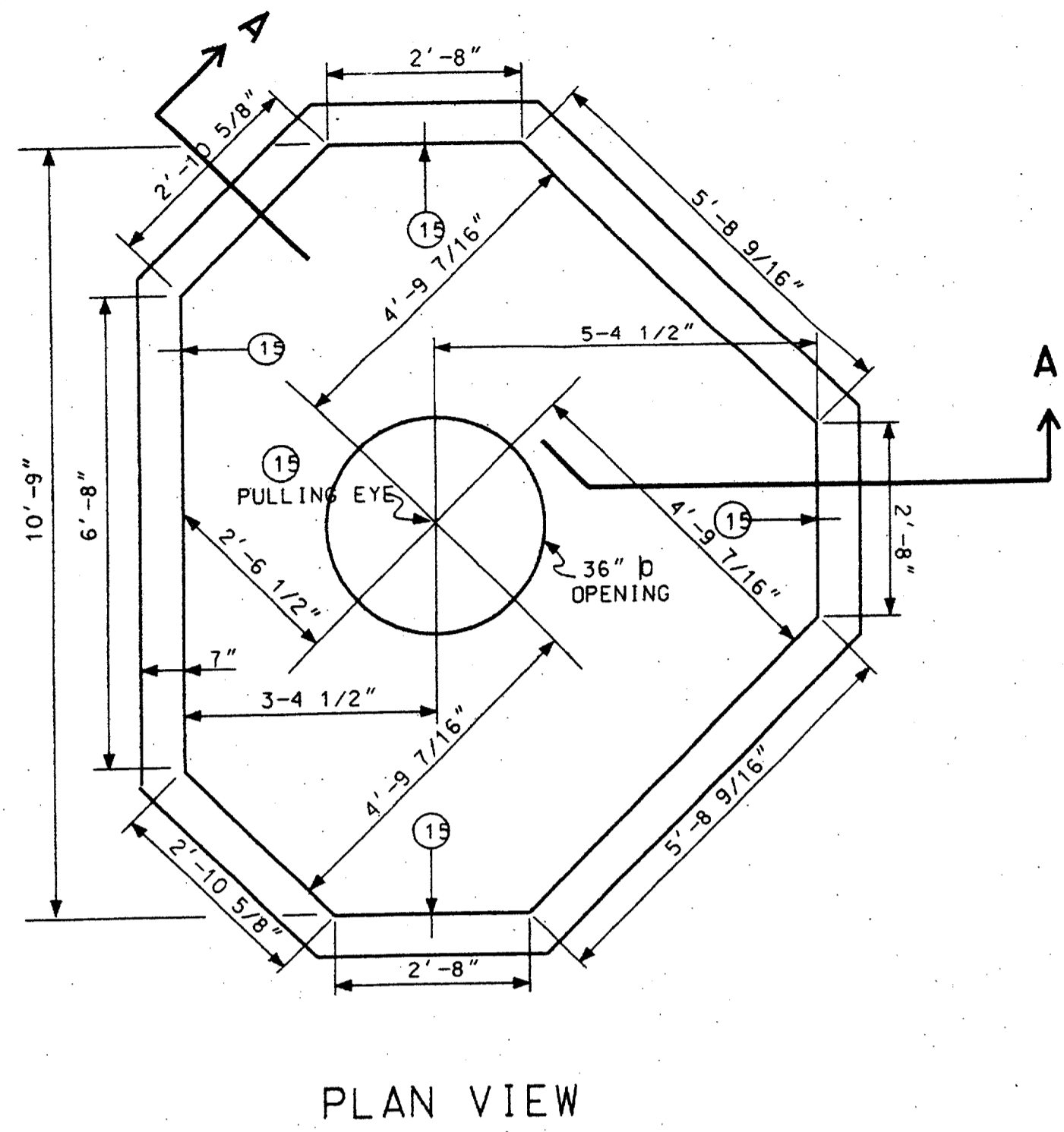
SCALE (H=NO SCALE)

SCALE (V=NO SCALE)

NETWORK UNDERGROUND APPURTENANCE SHEETS MANHOLE DETAILS

RECORD DRAWING

DETAIL # 6



MATERIALS FOR POURED IN PLACE MANHOLE

MARK	LENGTHS		QUANTITY			SHAPE	SIZE
	FT.	IN.	FLOOR	WALLS	ROOF		
1	6	1	2			12'-2"	ST. #5
1A	3	1	2			6'-2"	ST. #5
1B	3	6	2			7'-0"	ST. #5
1C	7	3	1			7'-3"	ST. #5
2	6	10	2			13'-8"	ST. #5
2A	3	1	2			6'-2"	ST. #5
2B	3	3	2			6'-6"	ST. #5
2C	7	5	1			7'-5"	ST. #5
3	8	10	2			17'-8"	ST. #5
3A	5	11	2			11'-10"	ST. #5
4	10	3	6			61'-6"	ST. #5
4A	7	7	2			15'-2"	ST. #5
4B	8	8	2			17'-4"	ST. #5
4C	9	7	2			19'-2"	ST. #5
5	3	1			2	6'-2"	ST. #5
5A	6	0			2	12'-0"	ST. #5
6	3	10			2	7'-8"	ST. #5
6A	6	7			2	13'-2"	ST. #5
7	4	10			2	9'-8"	ST. #5
7A	7	8			2	15'-4"	ST. #5
8	5	8			2	11'-4"	ST. #5
8A	8	6			2	17'-0"	ST. #5
9	6	6			2	13'-0"	ST. #5
9A	9	5			2	18'-10"	ST. #5
10	10	3			10	102'-6"	ST. #5
10A	7	6			2	15'-0"	ST. #5
10B	7	9			2	15'-6"	ST. #5
10C	8	0			2	16'-0"	ST. #5
10D	8	3			2	16'-6"	ST. #5
10E	8	6			2	17'-0"	ST. #5
11	7	4		8		58'-8"	ST. #5
11A	3	6		16		56'-0"	ST. #5
12	3	2		24		76'-0"	ST. #5
12A	6	1		16		97'-4"	ST. #5
13	8	9		36		315'-0"	ST. #5
14	3	4	36			120'-0"	2' 1'-4" ST. #5
15			1	4		5'-0"	PULLING EYE 1 1/2" X 6" BOLT
CONCRETE	1.94 CU. YDS		3.35 CU. YDS	3.85 CU. YDS	11.14 CU. YDS	3000 PSI	

"TYPE - 3-WAY"
10'-9" X 8'-9" X 7'-0"

MANHOLE COVER & FRAME TU STD 310-050 1 EA. 3'-0" OPENING
 VENDOR: WESTERN IRON WORKS, 21 EAST SIXTH ST. SAN ANGELO TX. 76903
 OR: HEFNER PRECAST, DIVISION OF BROOKS PRODUCTS, 2229 NORTH MAIN, CLEBURNE TX. 76031
 STEEL TO CONFORM TO THE LATEST STANDARD SPECIFICATION FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT.
 SEE DETAIL # 9 FOR CONCRETE SPECIFICATION.
 GENERAL NOTES SIMILAR TO TYPE "C" MANHOLE, SHEET #1

RECORD DRAWING

TU ELECTRIC

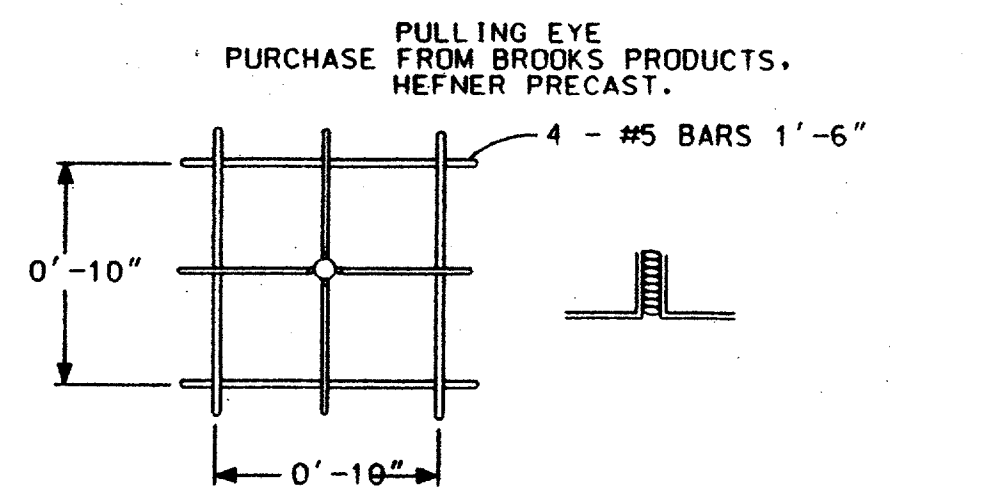
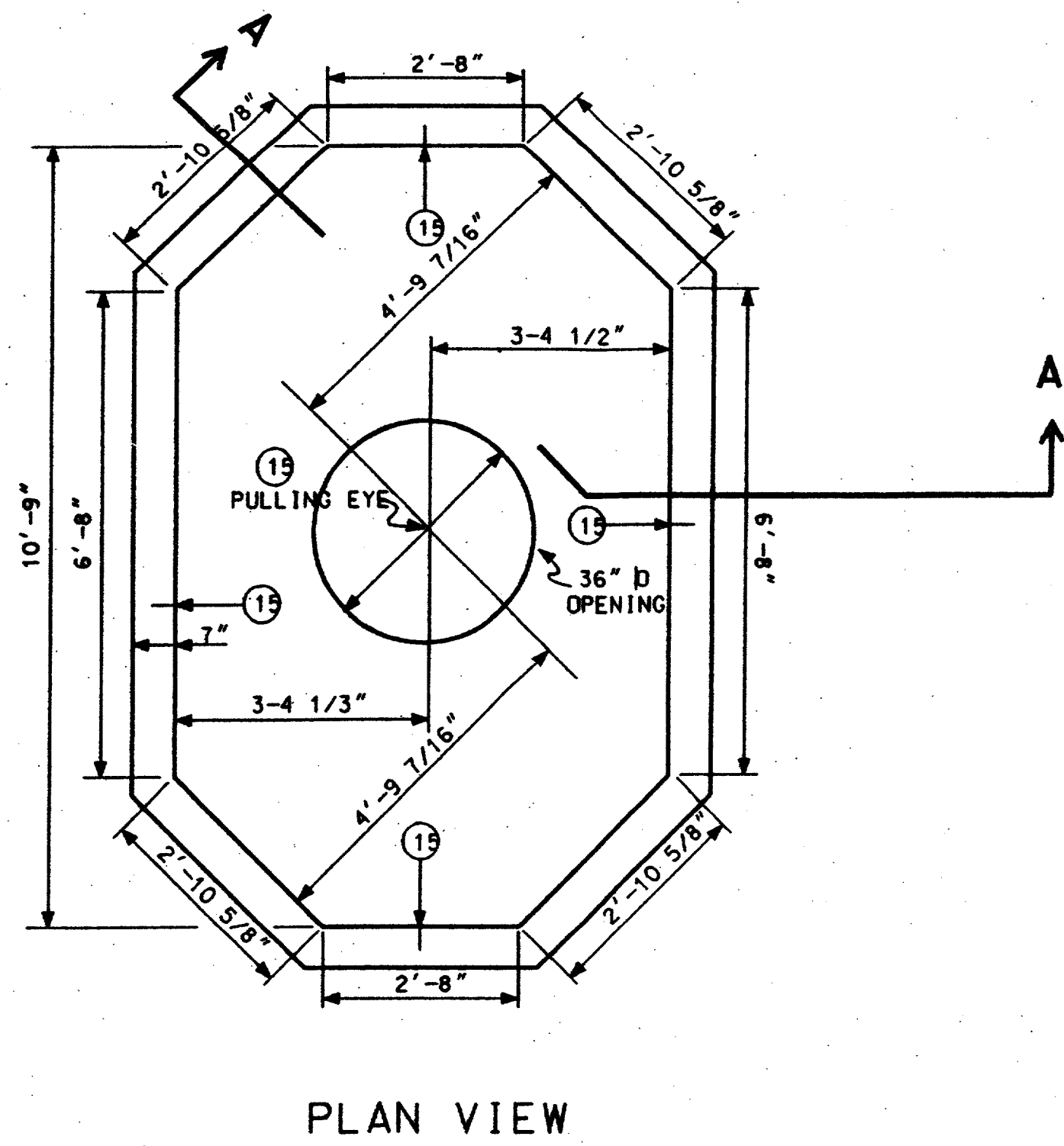
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UNIT ID	DWG TYPE	ESTIMATE	W.A.	LIST OF DRAWINGS	APP. JES	APP. PRN	W.A. NO.	DATE	REVISION DESCRIPTION	CH.	APP.

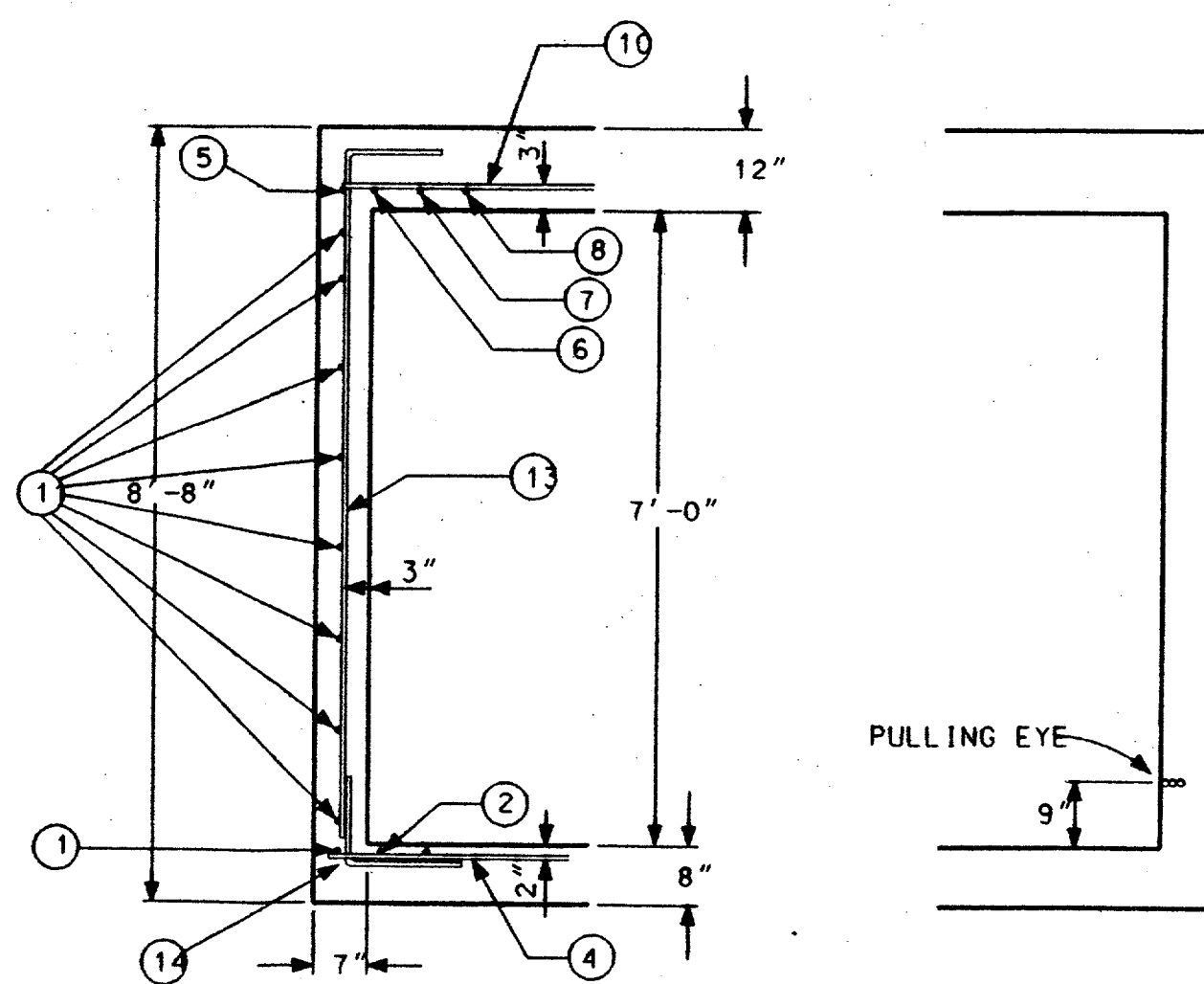
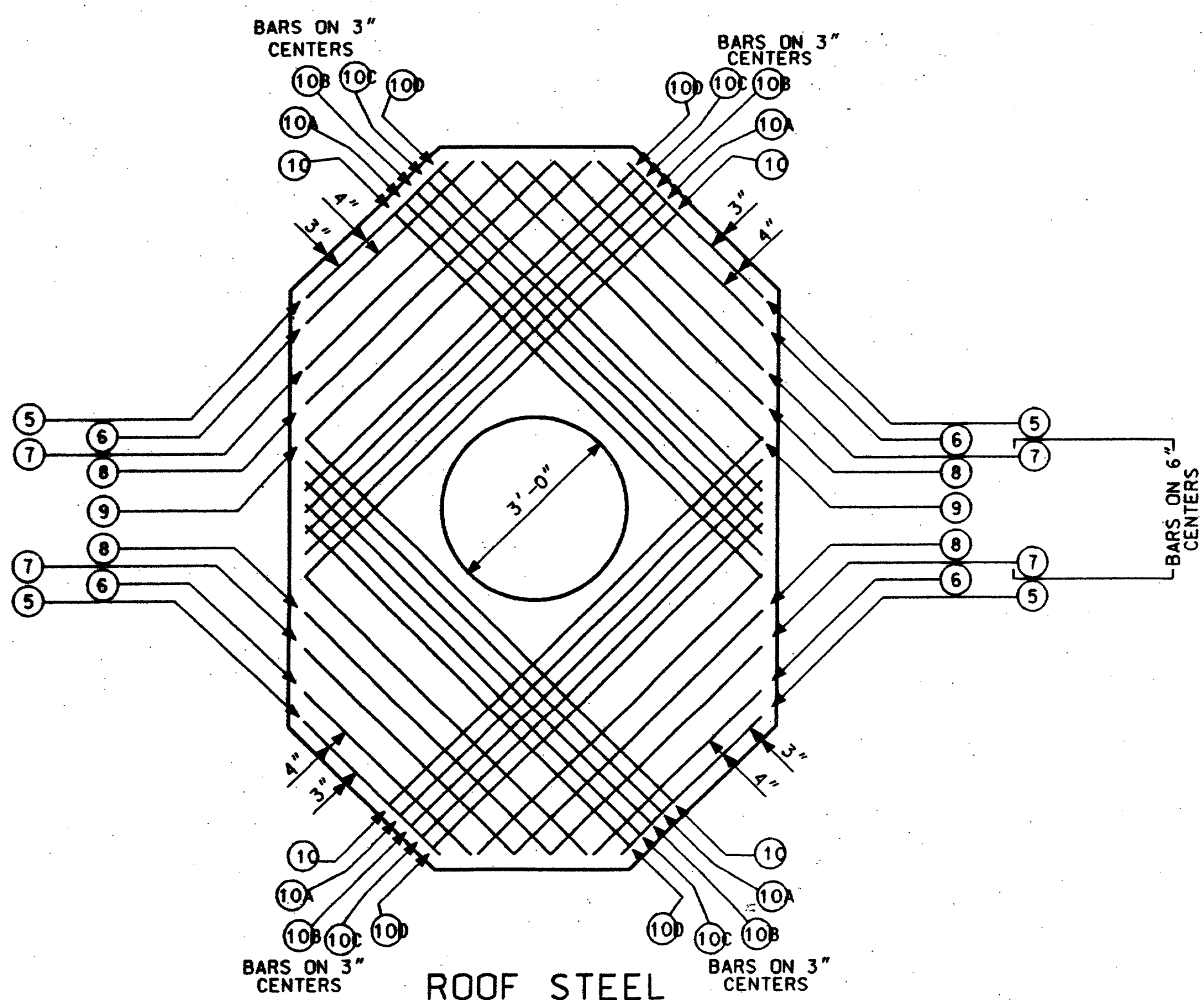
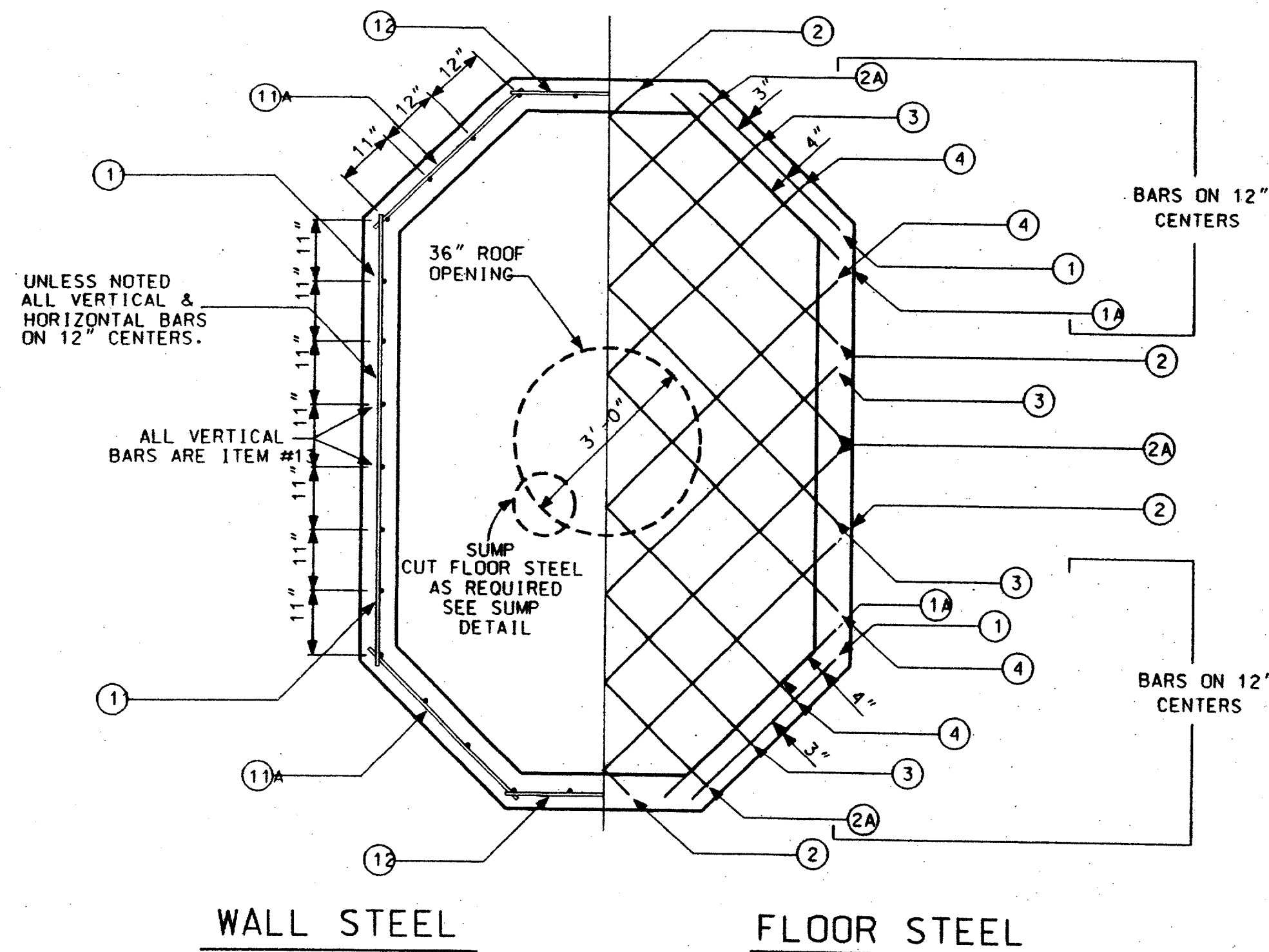
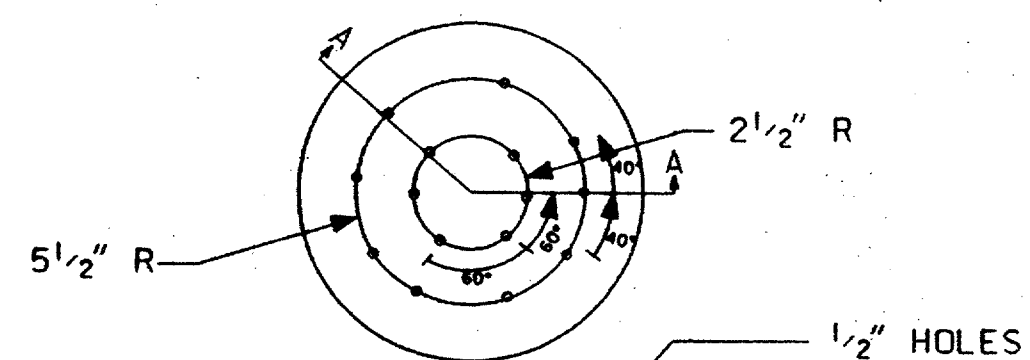
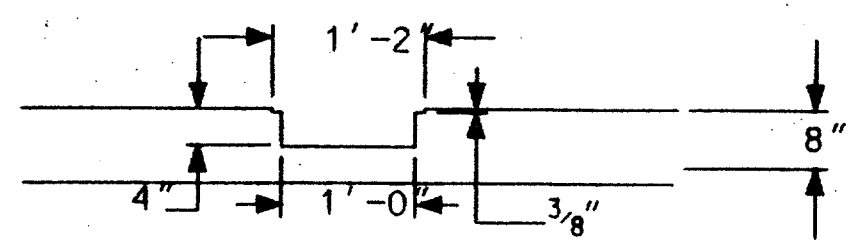
NETWORK UNDERGROUND APPURTENANCE SHEETS
MANHOLE DETAILS

E NUA-1
SHEET NO. 4

DETAIL # 7



PULLING EYE DETAIL
5 REQUIRED



MATERIALS FOR POURED IN PLACE MANHOLE

MARK	LENGTHS		QUANTITY		TOTAL	SHAPE	SIZE	
	FT.	IN.	FLOOR	WALLS				ROOF
1	3	3	4		13'-0"	ST.	#5	
1A	3	10	4		15'-4"	ST.	#5	
2	5	10	4		23'-4"	ST.	#5	
2A	7	7	4		30'-4"	ST.	#5	
3	8	7	4		34'-4"	ST.	#5	
4	9	7	4		38'-4"	ST.	#5	
5	3	2			4	12'-8"	ST.	#5
6	3	10			4	15'-4"	ST.	#5
7	4	10			4	19'-4"	ST.	#5
8	5	8			4	22'-8"	ST.	#5
9	6	6			4	26'-0"	ST.	#5
10	8	6			4	34'-0"	ST.	#5
10A	8	3			4	33'-0"	ST.	#5
10B	8	0			4	32'-0"	ST.	#5
10C	7	9			4	31'-0"	ST.	#5
10D	7	6			4	30'-0"	ST.	#5
11	7	4		16	117'-4"	ST.	#5	
11A	3	5		32	109'-4"	ST.	#5	
12	3	2		16	50'-8"	ST.	#5	
13	8	9		36	315'-0"	7'-8"	#5	
14	3	4	36		120'-0"	2' x 1'-4"	#5	
15		1	4		5'-0"	PULLING EYE	1 1/2" x 6"	
CONCRETE			1.94 CU. YDS.	5.35 CU. YDS.	3.85 CU. YDS.	11.14 CU. YDS.	3000 PSI	

MANHOLE COVER & FRAME TU STD 310-050 1 EA. 3'-0" OPENING
 VENDOR: WESTERN IRON WORKS, 21 EAST SIXTH ST. SAN ANGELO TX. 76903
 OR: HEFNER PRECAST, DIVISION OF BROOKS PRODUCTS, 2229 NORTH MAIN, CLEBURNE TX. 76031

STEEL TO CONFORM TO THE LATEST STANDARD SPECIFICATION FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT.
 SEE DETAIL #9 FOR CONCRETE SPECIFICATION
 GENERAL NOTES SIMILAR TO TYPE "B" MANHOLE, SHEET #1.

"TYPE - 2-WAY"
10'-9" X 6'-9" X 7'-0"

RECORD DRAWING

10/3/97 ISSUED FOR CONSTRUCTION

E16

TU ELECTRIC

CD

NO.	DATE	BY	CHK.	APP.	REV.	DESCRIPTION

SCALE (H=) (V=) (1"=1'-0")

LIST OF DRAWINGS

W.A. ESTIMATE DWG TYPE UNIT ID

DATE

NO.

W.A.

APP. JES

APP. PRN

REV. DESCRIPTION

DRAWN CH. APP.

DATE 05-12-92

DWN. MED

CHK. JRC

ENG. JRC

APP. JES

APP. PRN

NO.

W.A.

DATE

REV. DESCRIPTION

DRAWN CH. APP.

DATE

NO.

W.A.

APP. JES

APP. PRN

REV. DESCRIPTION

DRAWN CH. APP.

DATE

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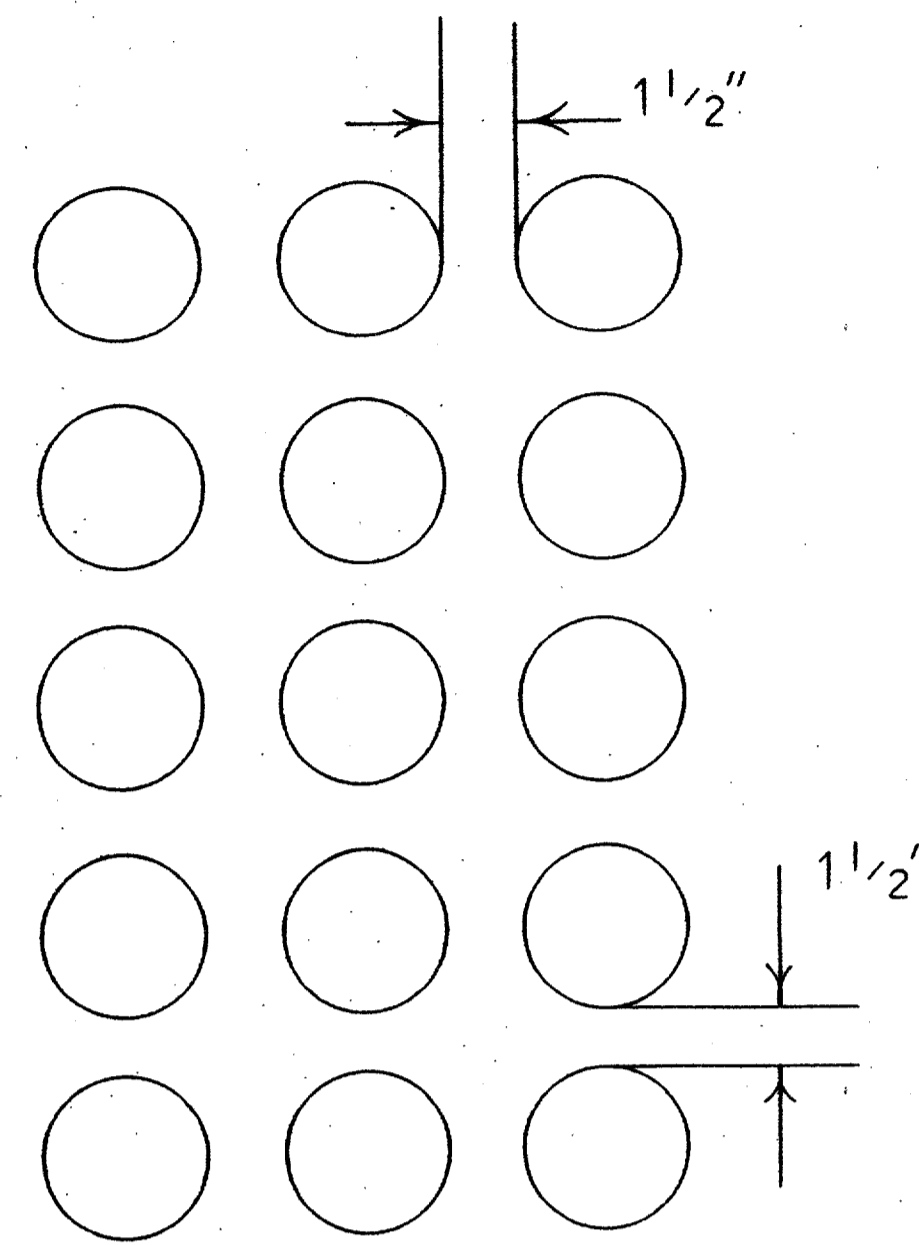
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REV. DESCRIPTION

DRAWN CH. APP.

DATE

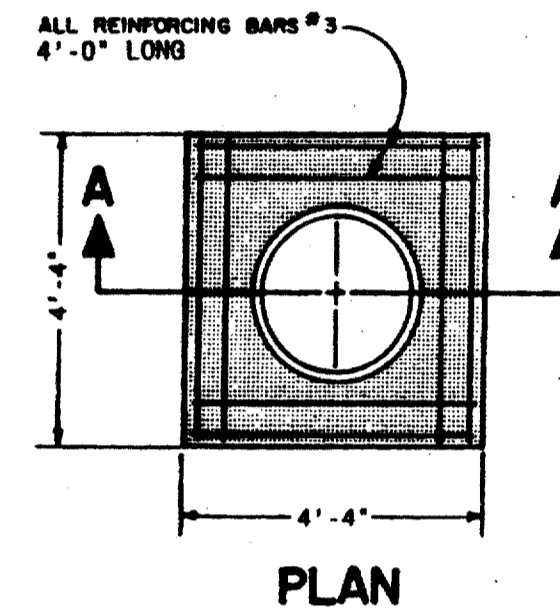
NO.



15 - 5" OR 6"
TERMINATOR INSTALLATION
IN MANHOLES

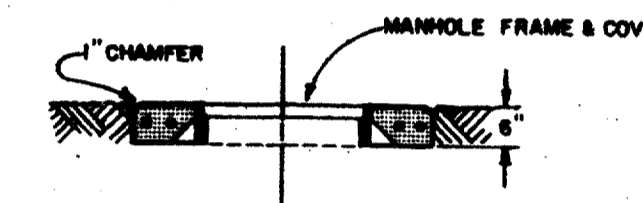
SEE JOB SKETCH FOR
NUMBER OF TERMINATORS
TO BE INSTALLED

DETAIL # ⑧



PLAN

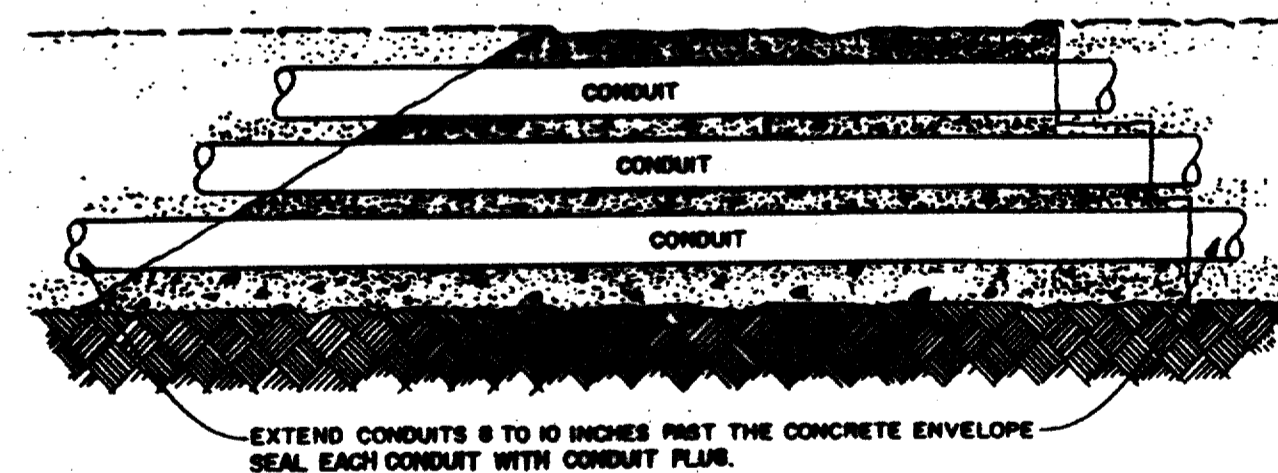
NOTE: SEE DETAIL # ⑨ FOR CONCRETE SPECIFICATION



SECTION A-A

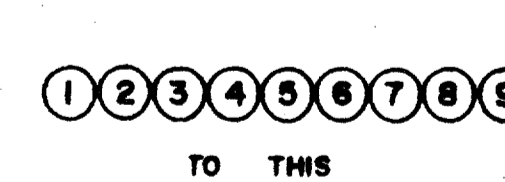
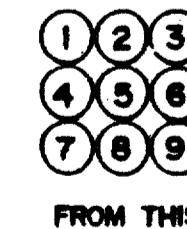
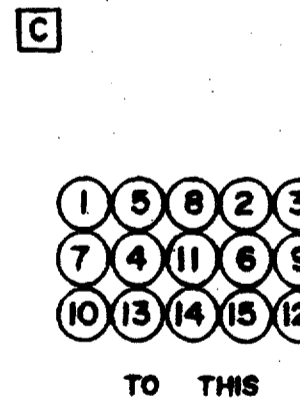
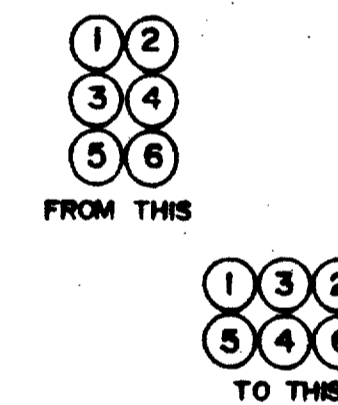
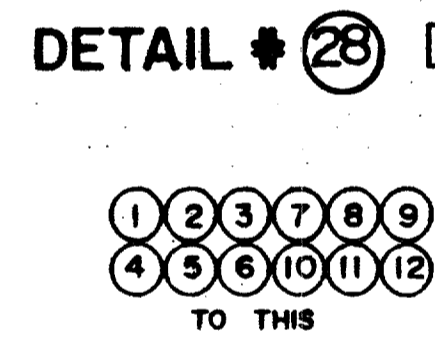
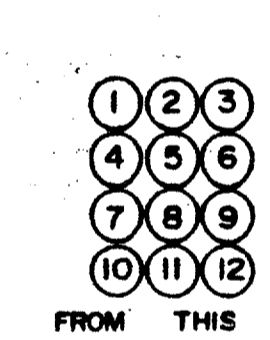
— CONCRETE SLAB FOR MANHOLE—
CASTING

DETAIL # ⑩

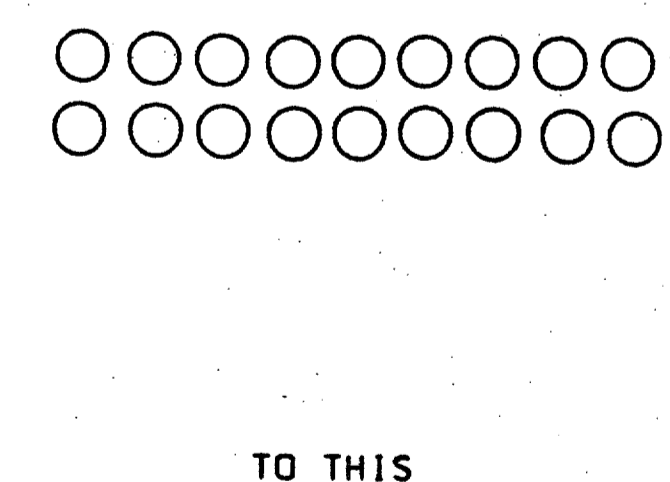
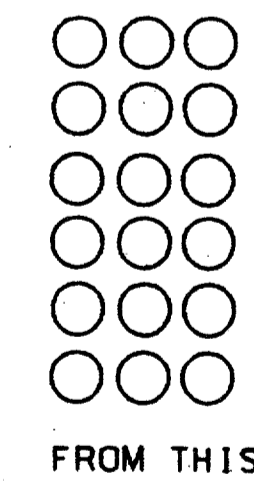
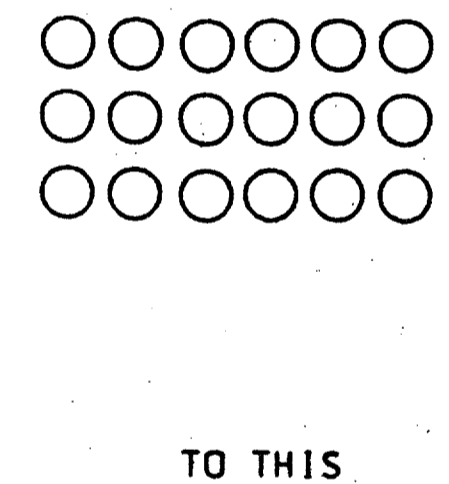
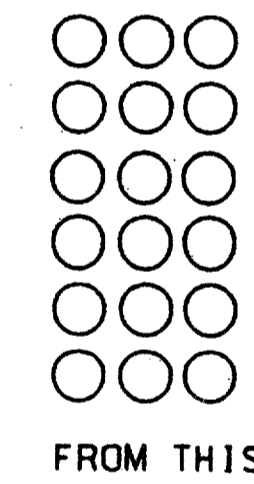


— SLOPED AND STAIR STEPPED—
COLD JOINTS

DETAIL # ⑭



CONDUIT TRANSITION DETAILS

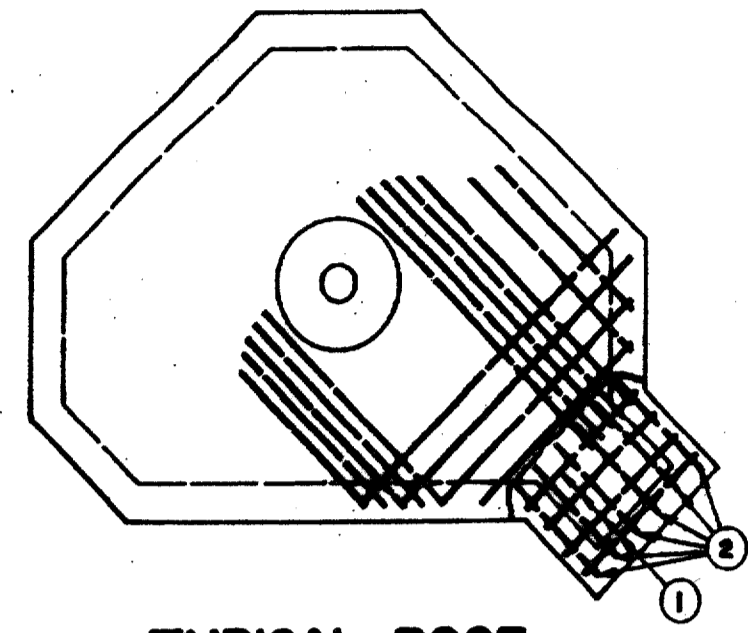


RECORD
DRAWING

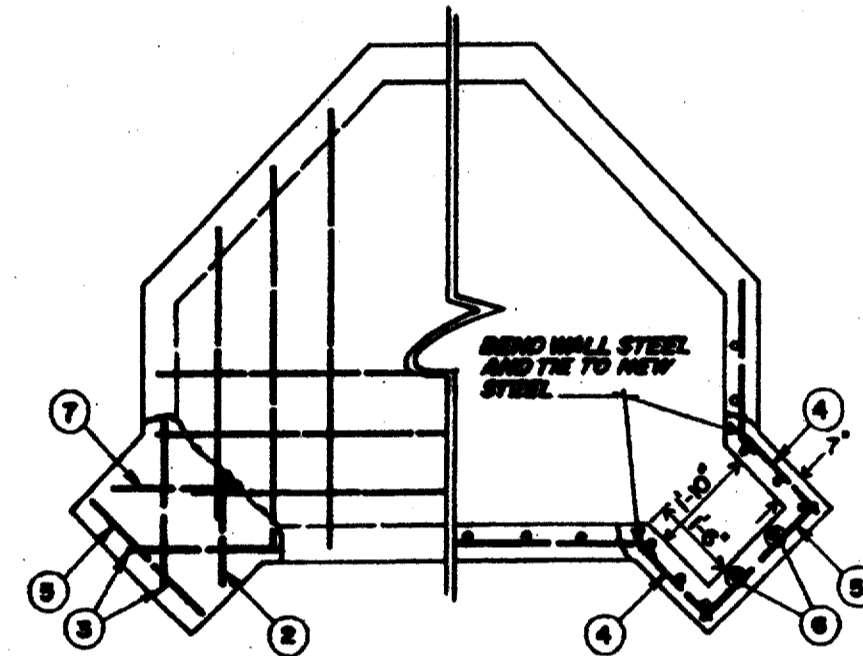
10/3/97 ISSUED FOR CONSTRUCTION

E17

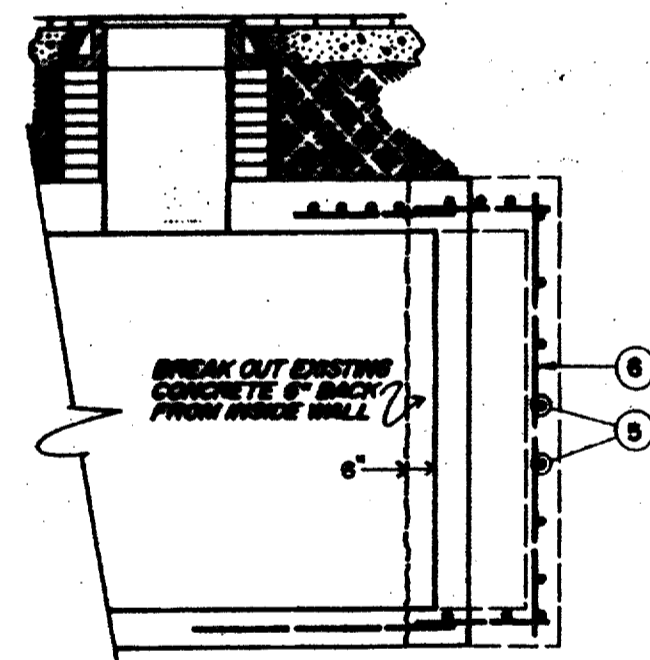
TU ELECTRIC		CD	
DATE 05-12-92	DWN. MED	CH. JRC	ENG. JRC
APP. JES	APP. PRN	W.A.	W.A.
NO.	DATE	REVISION DESCRIPTION	DRAWN CH. APP. APP.
ESTIMATE	DWG TYPE	UNIT ID	
NETWORK UNDERGROUND APPURTENANCE SHEETS MISCELLANEOUS DETAILS			
SCALE (H&D SCALE) (V&D SCALE)	LIST OF DRAWINGS		



TYPICAL ROOF



TYPICAL FLOOR / WALL

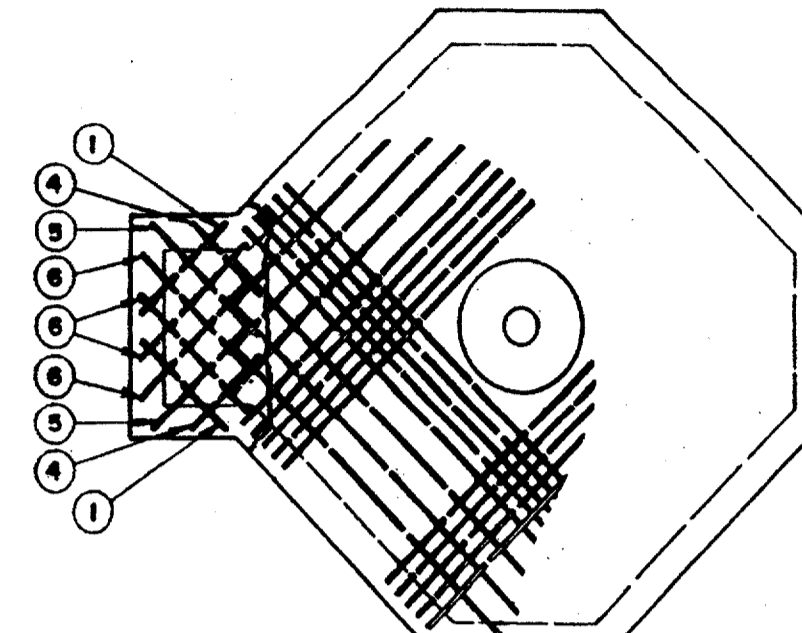


FLOOR / ROOF / WALL VIEW

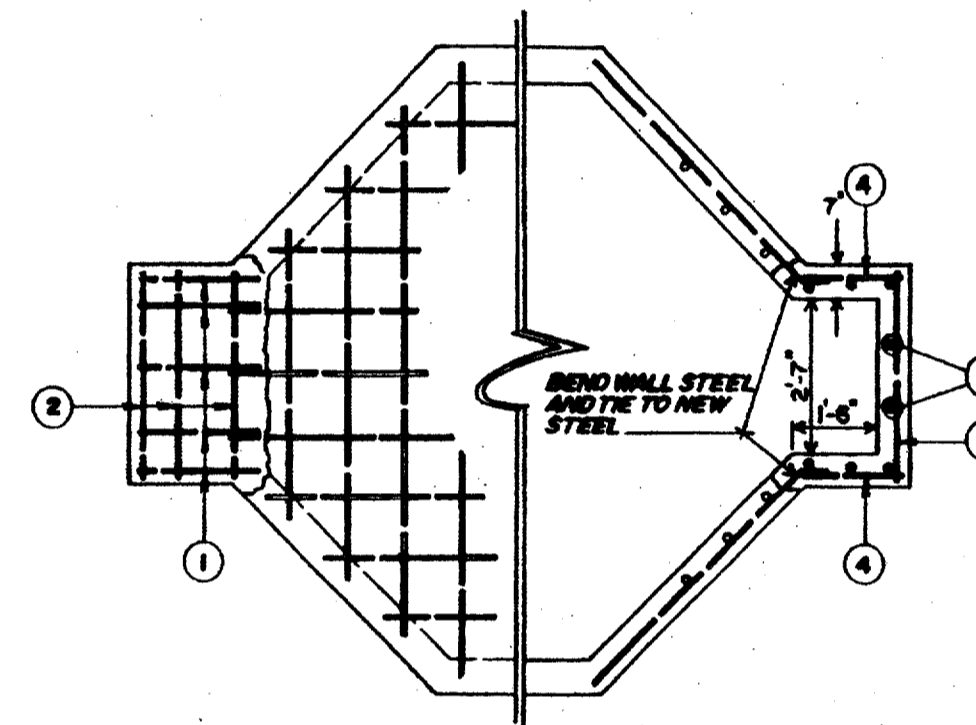
ALL REINFORCING BARS #5						
ITEM	LENGTH			QUANTITY		
	FL.	HL.	FLOOR	WALLS	ROOF	WALL
1	2	9			4	4
2	2	3	1		8	7
3	3	0	2			2
4	2	0	2	10	2	22
5	2	11	1	6	1	8
6	7	3		8		8
7	2	5	1			1

DEEP PANELS ON NEW OR EXISTING TYPE
"C" AND "B" - See Job Sketch

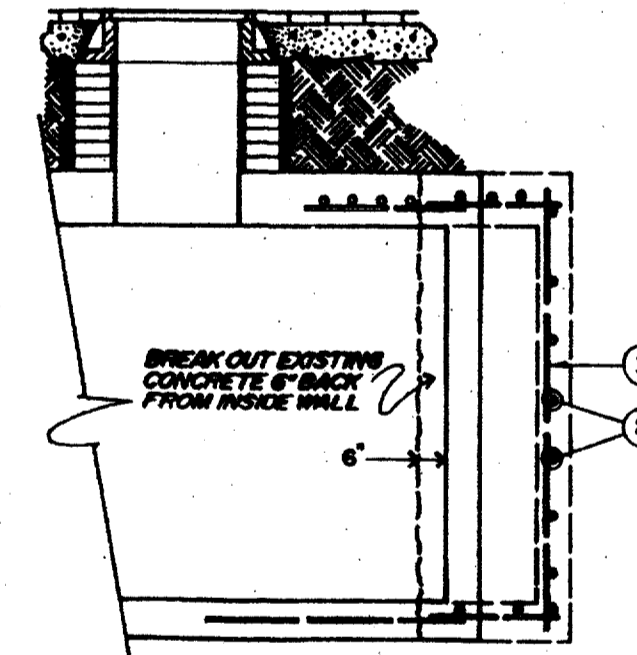
DETAIL #21



TYPICAL ROOF



TYPICAL FLOOR / WALL



FLOOR / ROOF / WALL VIEW

ALL REINFORCING BARS #5						
ITEM	LENGTH			QUANTITY		
	FL.	HL.	FLOOR	WALLS	ROOF	WALL
1	2	3	5		2	7
2	3	6	3	7		10
3	7	3		8		8
4	1	9		14	2	16
5	2	6			2	2
6	2	9			4	4

DEEP PANELS ON NEW OR EXISTING TYPE
"B", "C" AND "D" - See Job Sketch

RECORD
DRAWING

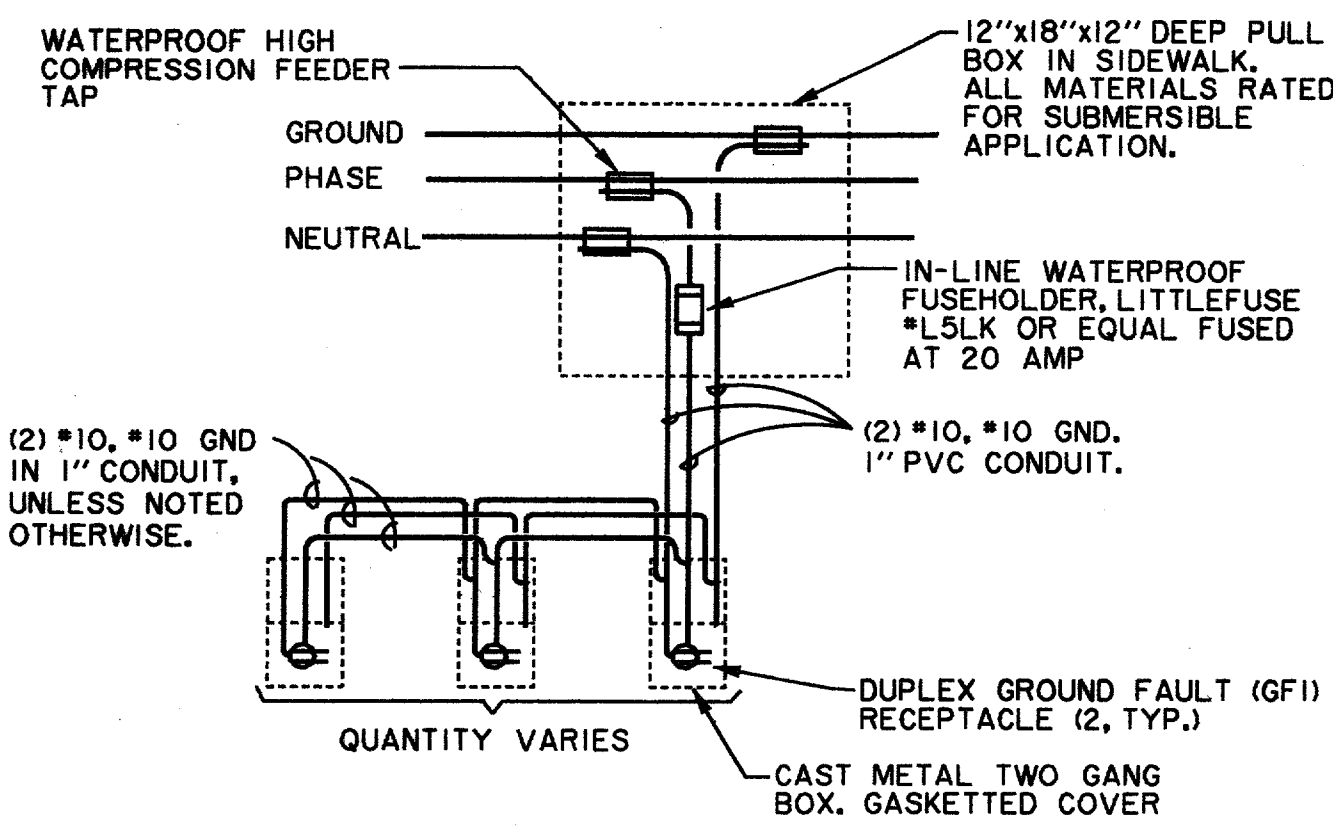
TU ELECTRIC

DATE	05-12-92	APP. JES	APP. PRN	W.A.	NO.	DATE	REVISION DESCRIPTION	DRAWN	CH.	APP.	APP.

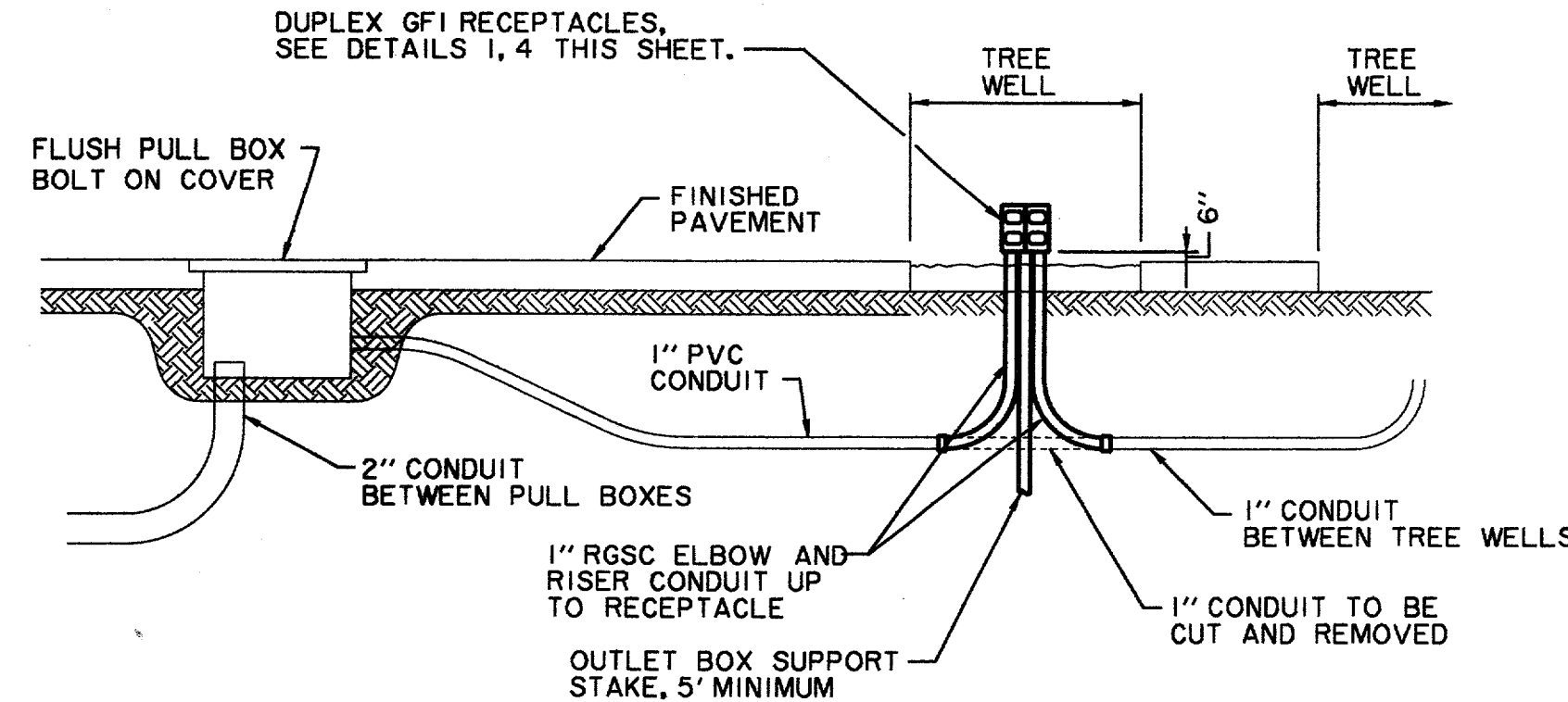
SCALE (H=NO SCALE) (V=NO SCALE) LIST OF DRAWINGS

NETWORK UNDERGROUND
APPURTENANCE SHEETS
MISCELLANEOUS DETAILS

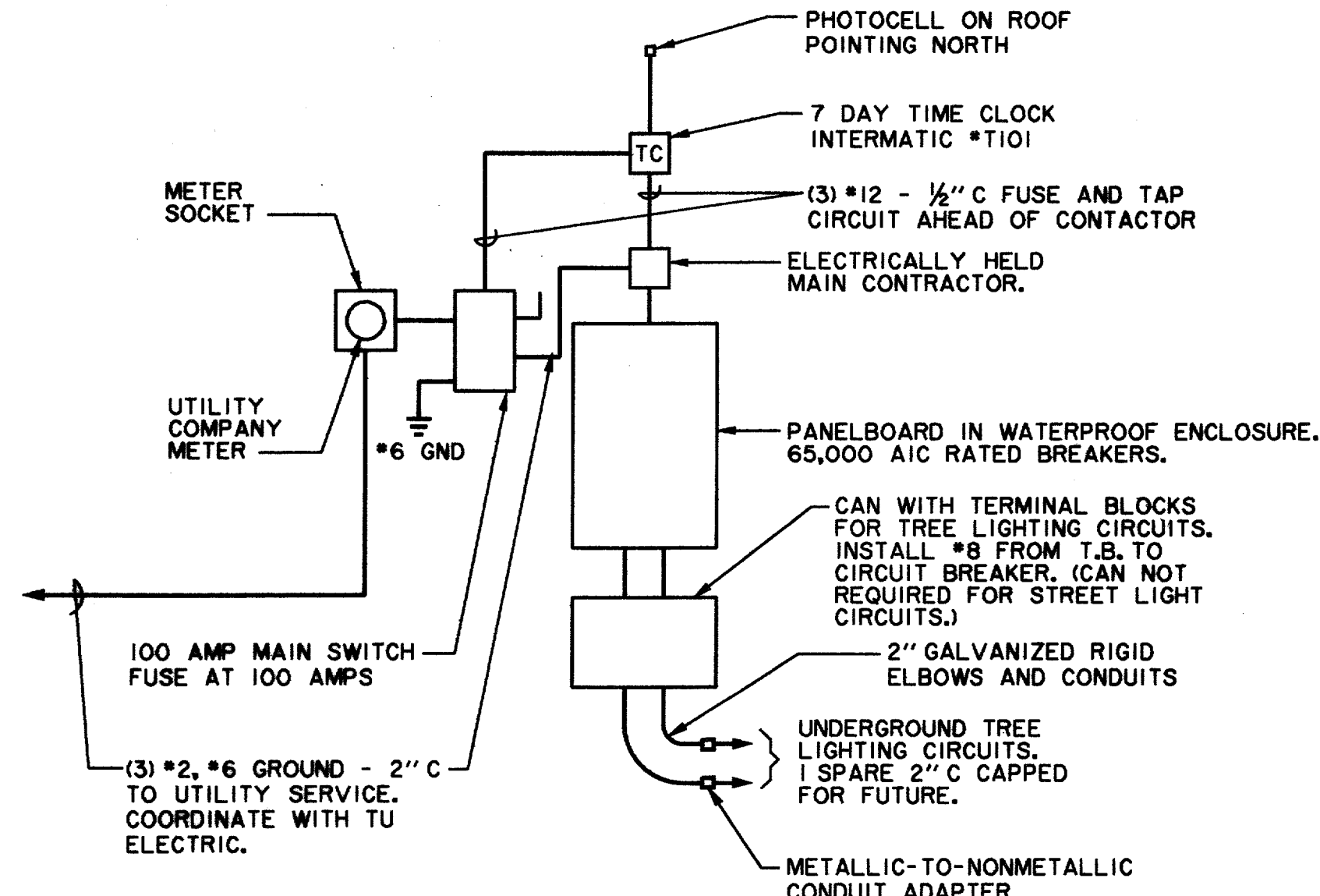
E-NUA-1
SHEET NO. 9



1 TYPICAL TREE WELL POWER CIRCUIT
N.T.S.

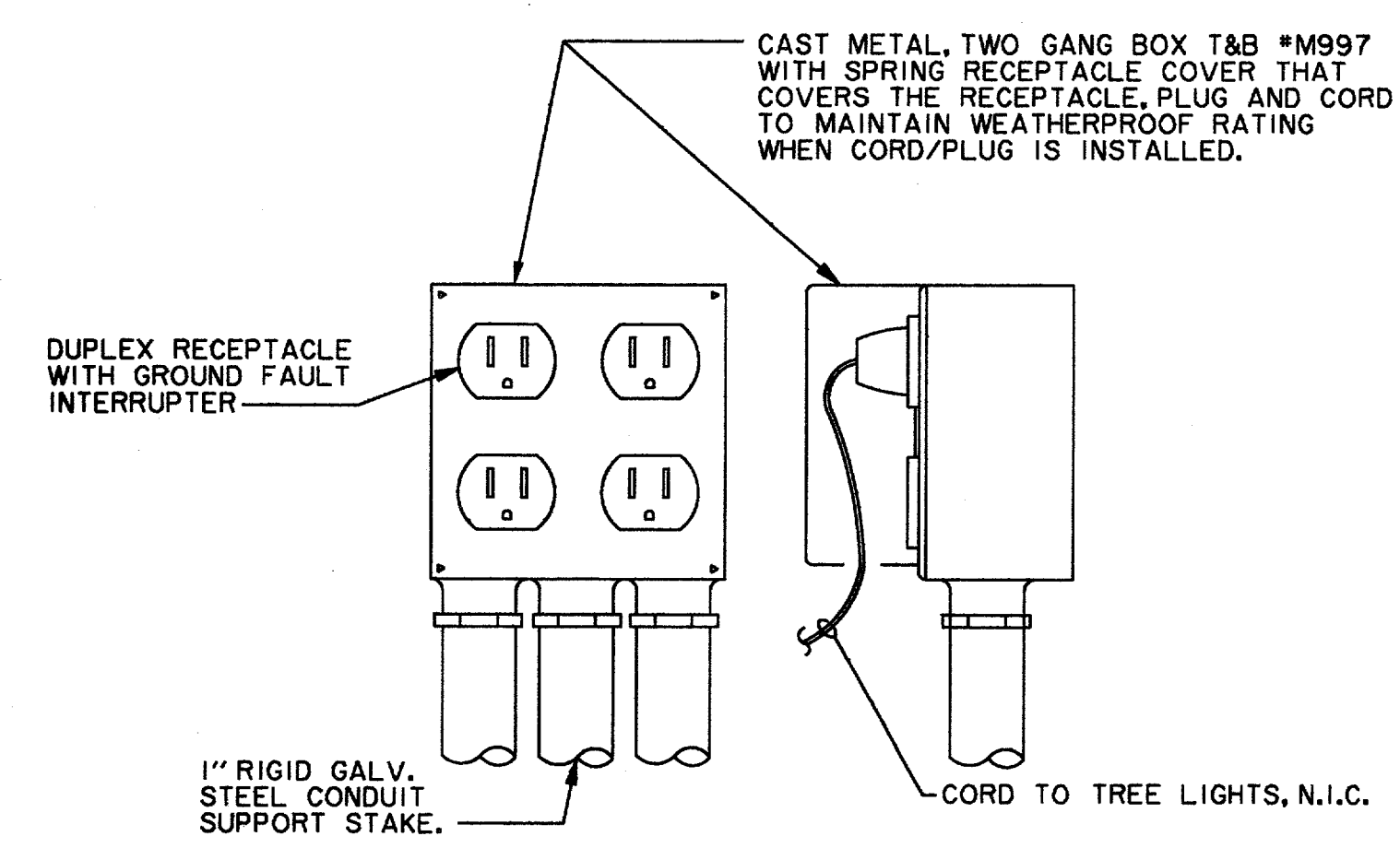


2 TYPICAL TREE CIRCUIT CONDUIT INSTALLATION
N.T.S.



3 TYPICAL PANEL RISER DIAGRAM AT SERVICE POINTS J, K, M, N, & P
N.T.S.

- NOTE:
1. PROVIDE ALL INSTALLATION HARDWARE INCLUDING UNISTRUT FRAMEWORK FOR SECURE INSTALLATION.
 2. TERMINAL BLOCK CAN TO HAVE BLOCKS AND SPACE FOR MIN. OF 12 MORE CIRCUITS FOR FUTURE EXPANSION.
 3. EXACT LOCATION OF PANEL TO BE DETERMINED AT PROJECT SITE.
 4. SERIES RATING FOR CIRCUIT BREAKERS SHALL BE 65K AIC.
 5. ENTIRE INSTALLATION TO BE RATED FOR OUTDOOR INSTALLATION. PANEL AND SWITCH SHALL HAVE PROVISIONS FOR LOCKING.
 6. EXACT LOCATIONS OF EQUIPMENT SHALL BE DETERMINED AT THE PROJECT SITE.



4 GFI RECEPTACLE AT TREE WELL
N.T.S.

LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	LAMP	MANUFACTURER	CATALOGUE NO.	FINISH
A	CUSTOM STYLE	175 MH	BEGA	980IMH	BLACK
A-POLE	15'-8" ROUND		BEGA	1508HR	BLACK
B	CUSTOM STYLE	175 MH	BEGA	980IMH	BLACK
B-POLE	19'-8" ROUND		BEGA	1908HR	BLACK
C	CUSTOM STYLE	175 MH	BEGA	980IMH (2 PER POLE)	BLACK
C-POLE	15'-8" ROUND		BEGA	1508HR	BLACK
D-POLE	19'-8" ROUND W/ CABLE ATTACHMENT		BEGA	SERIES 1908 WITHOUT HINGE OPTION	BLACK

- NOTES:
1. PROVIDE REINFORCED CONCRETE BASE, ANCHOR BOLTS AND REQUIRED ACCESSORIES.
 2. BID SHALL BE BASED UPON THE ABOVE LISTED FIXTURES TO MATCH PHASE I FIXTURES.
 3. PROVIDE MATCHING BASE COVER FOR EACH FIXTURE.
 4. ALL FIXTURES ARE 240 VOLT AND REQUIRE DOUBLE FUSING.
 5. FIXTURES TYPE C TO BE INSTALLED 90° APART.
 6. A CUSTOM HINGED POLE IS REQUIRED FOR FIXTURE TYPE A, B & C.
 7. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GENERAL NOTES	
NUMBER	DESCRIPTION
1	THE TERM 'PROVIDE' SHALL MEAN FOR THE CONTRACTOR TO FURNISH AND INSTALL A COMPLETE OPERATING SYSTEM.
2	REFER TO PHASE I PUBLIC INFRASTRUCTURE DRAWINGS FOR ADDITIONAL INFORMATION ON TREE LIGHTING CONDUIT LOCATIONS.
KEY NOTES (SEE E2 AND E3)	
NUMBER	DESCRIPTION
1	TU ELECTRIC TRANSFORMER YARD WITH SINGLE PHASE TRANSFORMER FOR STREET LIGHTING. VERIFY POINT OF CONNECTION WITH TU ELECTRIC.
2	PROVIDE 120/240 VOLT, 1 PHASE, 3 WIRE, W/GND PANELBOARD WITH MAIN CONTACTOR. CONNECT TO ELECTRIC UTILITY AT DESIGNATED SERVICE POINTS. SEE DETAIL 3 ON SHEET E21.
3	STREET LIGHT FIXTURE TYPE A. INSTALL CONCRETE BASE, POLE, FIXTURE AND CONNECTIONS. REFER TO SHEET ST 13 FOR POLE BASE DETAIL.
4	CIRCUIT TO STREET LIGHTS OF 3 #8 - 2" C UNLESS NOTED OTHERWISE ON CIRCUIT SCHEDULE.
5	NOT USED
6	ROUTE CIRCUITRY THROUGH CONDUITS AND PULL BOXES. MAKE SPLICE IN MAIN FEEDERS USING HIGH COMPRESSION SPLICE FITTING. PROVIDE INLINE FUSE PROTECTION AT EACH SPLICE. SEE DETAIL NO. 1 SHEET E21.
7	EXTEND CIRCUITRY IN PVC CONDUIT AND TERMINATE IN EACH TREE WELL. SEE DETAIL NO. 2 AND NO. 4 SHEET E21.
8	PHOTO ELECTRIC CELL(S) ON ROOF OF PARKING GARAGE FACING NORTH.
9	RECEPTACLE AT TREE WELL. REFER TO DETAIL 2 ON SHEET E21.
10	EXISTING PULL BOX. EXTEND 1" C WITH 3 #10 TO NEW TREE WELLS THIS PROJECT. CIRCUIT AS NOTED.
11	EXISTING TREE WELL EXTEND 1" C WITH 3 #10 TO NEW TREE WELL THIS PROJECT.

CIRCUIT SCHEDULE				
CONDUIT DESIGNATION	CIRCUIT NUMBERS	PANELBOARD	CIRCUIT BREAKER	CONDUCTORS
J1	J-2	PANEL "J"	20 AMP, 1 POLE	(2) #6
	J-4		20 AMP, 1 POLE	(2) #6
	J-6	100 AMP M.C.B. 120/240 VOLT	20 AMP, 1 POLE	(2) #8
	J-8	1 PHASE, 3 WIRE W/ GROUND	20 AMP, 1 POLE	(2) #8
	J-10	10-20A-1P C.B.	20 AMP, 1 POLE	(2) #8 GROUND
K1	K1, 3	PANEL "K"	20 AMP, 2 POLE	(2) #8
	K5, 7		20 AMP, 2 POLE	(2) #8
	K9, 11		20 AMP, 2 POLE	(2) #8
K2	K-2, 4	100 AMP M.C.B. 120/240 VOLT 1 PHASE, 3 WIRE W/ GROUND 10-20A-2P C.B.	20 AMP, 2 POLE	(2) #10
	K-6, 8		20 AMP, 2 POLE	(2) #10 GROUND
M1	M-1, 3	PANEL "M"	20 AMP, 2 POLE	(2) #8
	M-5, 7		20 AMP, 2 POLE	(2) #8
	M-9, 11		20 AMP, 2 POLE	(2) #8
N1	N-1, 3	PANEL "N"	20 AMP, 2 POLE	(2) #8
	N-5, 7		20 AMP, 2 POLE	(2) #8
N1	N-9, 11	100 AMP M.C.B. 120/240 VOLT 1 PHASE, 3 WIRE W/ GROUND 6-20A-2P C.B.	20 AMP, 2 POLE	(2) #10
			20 AMP, 2 POLE	(2) #10 GROUND
P1	P-2	PANEL "P"	20 AMP, 1 POLE	(2) #6
	P-4		20 AMP, 1 POLE	(2) #6
	P-6		20 AMP, 1 POLE	(2) #6 GROUND

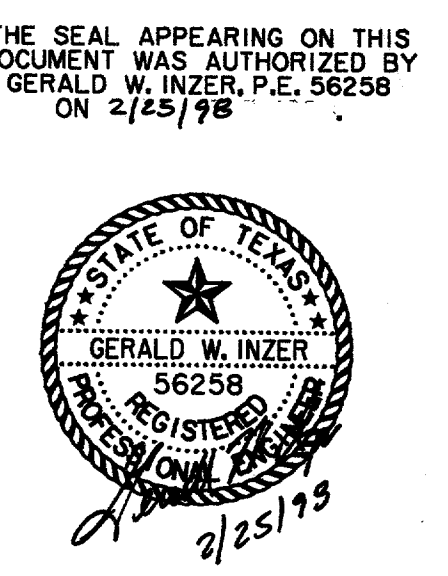
ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
.....	2" CONDUIT FOR STREET LIGHTING CIRCUITS FROM PANELBOARD TO EACH PULL BOX AND TO EACH STREET LIGHT FIXTURE. 2" C FOR TREE LIGHTING CIRCUITS.
---	1" CONDUIT FOR TREE LIGHT BRANCH CIRCUITS BELOW GRADE FROM PULLBOX TO TREE WELLS.
□	PULL BOX.
□	TREE WELL RECEPTACLE, CIRCUIT NO. AS NOTED.
J1	CONDUIT IDENTIFICATION FOR NEW MAIN FEEDERS.
J-2,4	CIRCUIT NUMBERS FROM PANELS AT SERVICE POINTS INDICATED IN DRWG. E22.
←	HOME RUN TO PANEL. PROVIDE CONDUIT AND WIRE FROM PULL BOX TO PANELBOARD.
■	STREET LIGHT FIXTURE TYPE 'A'.
▼	STREET LIGHT FIXTURE TYPE 'B' OR 'C'.

- NOTES TO CIRCUIT SCHEDULE:
1. MAINTAIN ABOVE CONDUCTORS THROUGHOUT ALL PULL BOXES.
 2. CONDUIT DESIGNATIONS ABOVE ARE ALL 2" CONDUITS.
 3. DESIGN IS BASED UPON MAXIMUM OF 2 AMPS PER TREE AND 5% VOLTAGE DROP.

GENERAL ELECTRICAL NOTES FOR THIS PROJECT WHICH APPLY TO DRAWINGS E21 THROUGH E23:

1. LOCATIONS OF ALL LIGHT FIXTURES, PULL BOXES AND ROUTING OF CONDUITS SHALL BE IDENTIFIED ON THE SITE BY STAKES AND PAINT PRIOR TO ANY EXCAVATION. REQUIREMENTS FOR CONDUIT ROUTING ARE PROVIDED ON DRAWINGS AND SPECIFICATIONS. OWNER WILL REVIEW AT THE SITE AND PROVIDE DIRECTIONS ON FIELD ADJUSTMENTS OF UP TO 10 FOOT FROM LOCATIONS SHOWN ON THE DRAWINGS.
2. CONTRACTOR SHALL COORDINATE STORM WATER, WASTEWATER, WATER, IRRIGATION AND ELECTRICAL CONDUIT TRENCHING AND INSTALLATION TO MINIMIZE THE DISTURBANCE OF EXISTING TREE ROOTS.
3. ALL PULL BOXES ARE 12" X 18" X 12" DEEP CONCRETE BOX WITH BOLT ON CONCRETE COVER SIMILAR TO T.U. SUBSURFACE SECONDARY BOX. INSTALL CONDUITS NEAR CORNER OF BOX TO ALLOW CONDUCTORS TO LOOP THROUGH BOX.

RECORD DRAWING



DATE	DESCRIPTION	REF. NO.
2/25/98	LIGHT FIXTURE SCHEDULE AND M1, P1	
	CIRCUIT REVISIONS	
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

TREE LIGHTING POWER PLAN

ADDISON CIRCLE

PHASE II PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Hult-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	GWJ	N.T.S.	OCT. 97	01-1822-21	E21

