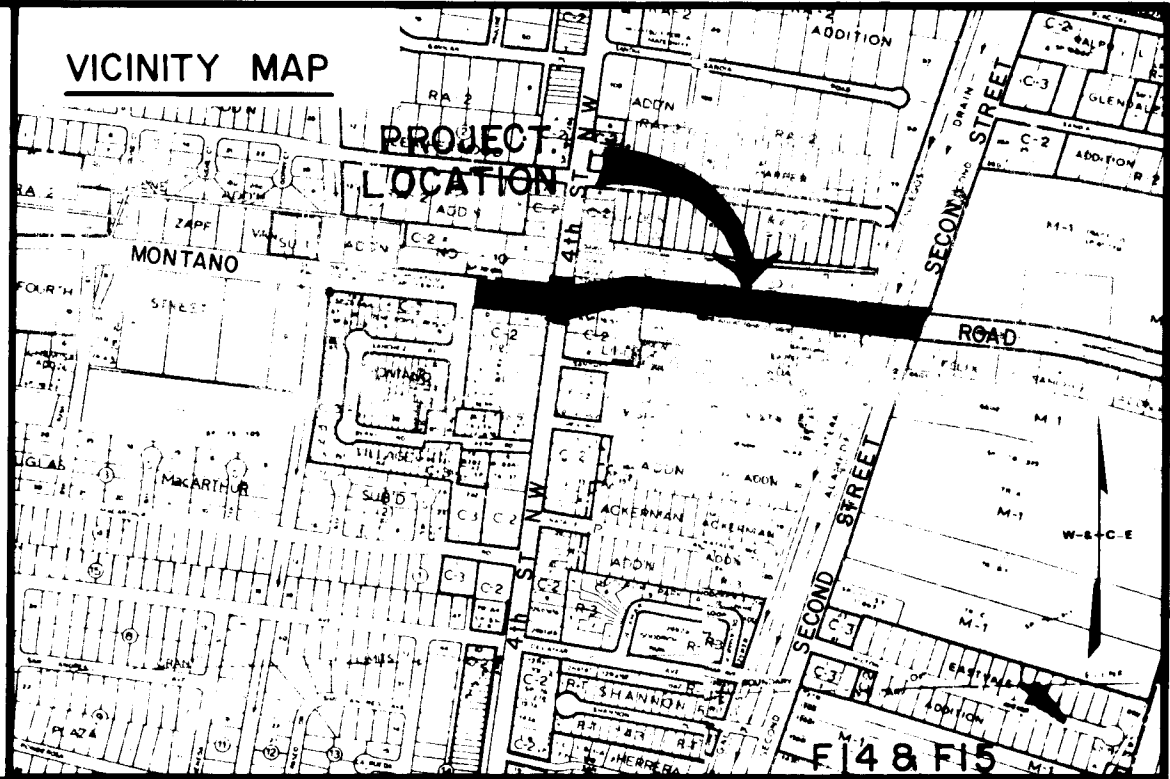


CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT



MONTANO ROAD
PHASE IA IMPROVEMENTS
FOURTH STREET TO SECOND STREET

NOTES

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE C. O. A. INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS).

TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.

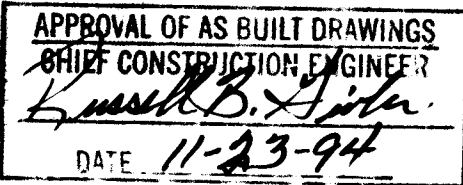
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.

NOTE:
PUBLIC WORKS DEPARTMENT AS SHOWN ON COVER SHEET SHALL APPLY TO ALL PLAN SHEETS.

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STORM DRAIN DETAILS	15-17
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PERMANENT SIGNING	29
SIGNALIZATION	30-37
MISCELLANEOUS DETAIL - HANDRAIL	38
IRRIGATION AND PLANTING	39-44

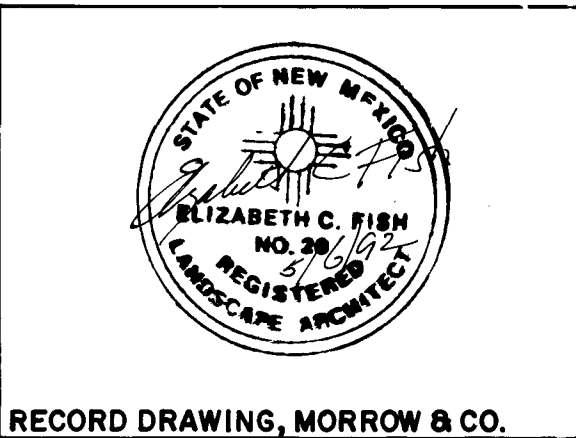
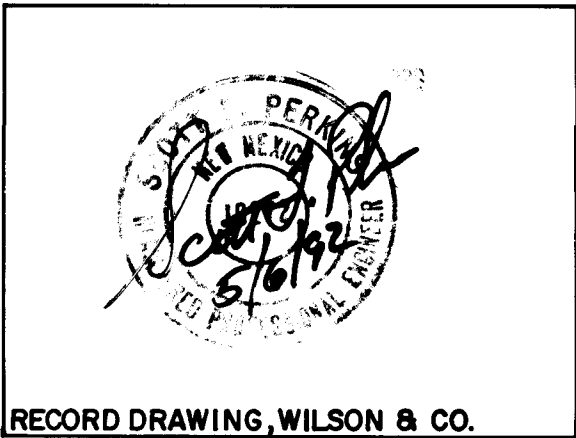


C.O.A. DWD Maps & Records
26 24620194

CERTIFICATION:

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION FURNISHED BY C.O.A. M.C.C. HEADS UP, TO REFLECT THE CONSTRUCTION AS ACTUALLY ACCOMPLISHED.

SHEETS															
7, 10, 11, 12, 17A, 30, 39															
RECORD DRAWING		CITY ENGR.													



RECORD DRAWING
DATE 5/5/92



WILSON & COMPANY
ENGINEERS
ARCHITECTS
ALBUQUERQUE, NEW MEXICO

APPROVED FOR
CONSTRUCTION
1-24-91

PROJECT No. 2462

SHEET 1 OF 44

GENERAL NOTES

INCIDENTAL ITEMS

THE FOLLOWING ARE INCIDENTAL ITEMS TO THE COMPLETION OF THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR. THIS LIST IS NOT NECESSARILY ALL INCLUSIVE. THE CONTRACTOR WILL VERIFY WITH THE ENGINEER ITEMS CONSIDERED INCIDENTAL.

- 1. TEMPORARY PLUGGING OF STORM INLETS.
- 2. Sta. 151+56.65 & Sta. 163+96 Installation of Pedestal Pole Base 4"/cap
- 3. 12' DIP & Adapter @ Manhole Sta 151+02 ~ 22 Rt.

TRAFFIC CONTROL REQUIREMENTS NOTE.

- A. The Traffic Control Plans incorporated into the Construction Plans are provided as a conceptual schematic showing possible phases only.
- B. The Contractor will be required to provide a Detailed Traffic Control Plan that includes the use of temporary signalization at 4th Street and Montano Rd., and that meets the requirements of the MUTCD. The plan should show all dimensions for lane widths, crossovers, work areas, sign locations, etc. Additionally all reference to signs as shown on the Traffic Control Plan shall be by use of MUTCD sign codes.
- C. A separate Traffic Control Plan will be required for each phase and is to be submitted to the Construction Coordination Engineer a minimum of 10 working days prior to the start of each phase. The Construction Coordination Engineer may be contacted at 768-2551.
- D. Payment for preparing the Traffic Control Plan; for installing, removing and maintaining traffic control devices; and for providing temporary striping will be paid for under Contract Bid Item No. 104 on a lump sum basis. Some exceptions are noted in Paragraph E below.
- E. When necessary for traffic control, Contract Bid Items may be used for temporary purposes such as asphalt pavement placement and removal, as long as the specifications for those items are adhered to where possible. Removing existing structures and replacing them with new structures such as curb and gutter are also examples of Contract Bid Items that might be needed and used for traffic control. All such work will be paid for at contract unit prices.

LEGEND

EXISTING UTILITIES		NEW
—G—	GAS	
—W—	WATER	
—SAS—	SANITARY SEWER	
—SD—	STORM DRAIN	
○ MH	MANHOLE	
⋈ WV	WATER VALVE	
⋈	UTILITY POLE	
○ LP	LIGHT POLE	
⋈ FH	FIRE HYDRANT	
≡≡≡ CO	STORM INLET	
□ TS	TRAFFIC SIGNAL	
—UT—	UNDERGROUND TEL. CABLE	
□ PB	PULL BOX	
○ SP	SIGN POST	
□ TCB	TRAFFIC CONTROL BOX	
○ WM	WATER METER	

NOTE: EXISTING FACILITIES ARE DASHED

PLAN

CONCRETE DRIVEPAD TO BE CONSTRUCTED	
VALLEY GUTTER TO BE CONSTRUCTED	
CONCRETE SIDEWALK TO BE CONSTRUCTED	
PAVEMENT TO BE REMOVED	
CONCRETE MEDIAN PAVEMENT TO BE CONSTRUCTED	
REMOVE	(R)
CONSTRUCT	(C)
INSTALL	(I)
FLOWLINE	FL
CITY OF ALBUQUERQUE	C.O.A.
PAVEMENT GRADE	PG
TOP OF CURB	TC

C of A PWD Maps & Records

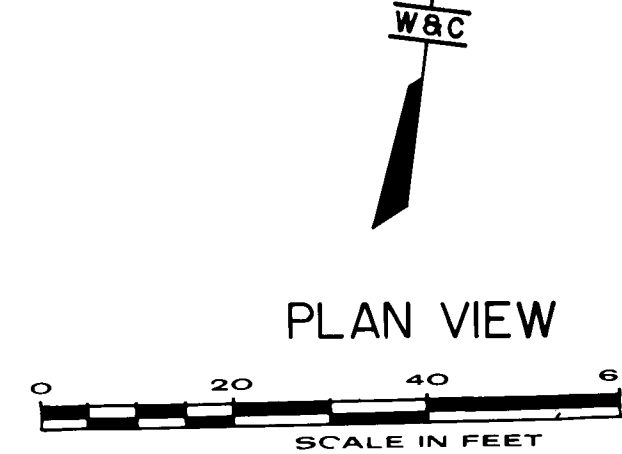
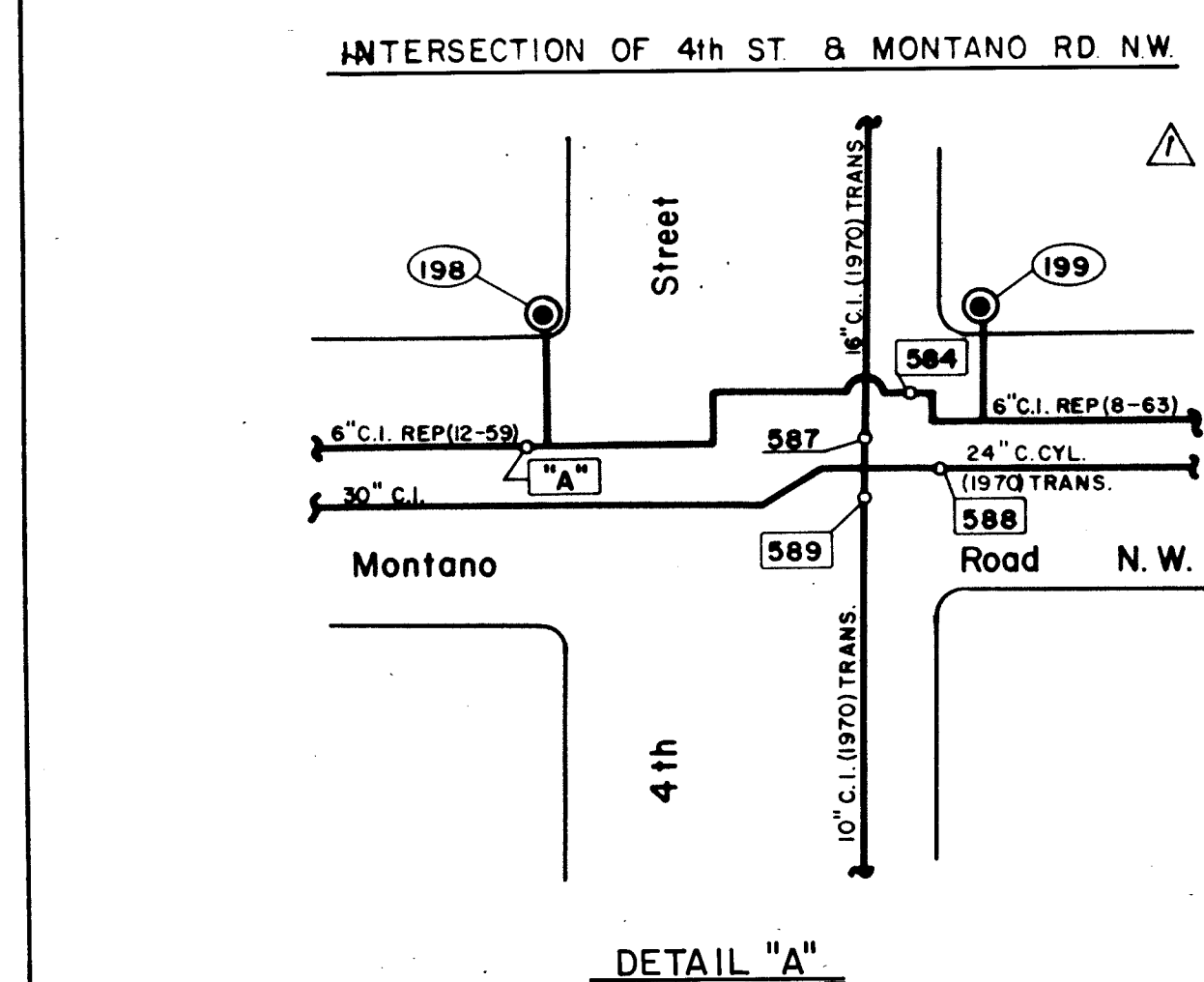
1	2	3	4	5	6	7	8	9	10	11	12
26	24	62	02	19	14						

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO ROAD
GENERAL NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	<i>[Signature]</i>	1-24-91	Water	<i>[Signature]</i>	
Transportation	<i>[Signature]</i>	1-22-91	Waste Water	<i>[Signature]</i>	
Hydrology	<i>[Signature]</i>	1/22/91			
DRAWING NO.	2462	MAP NO.		SHEET 2 OF 44	

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO



 A. PURPOSE:

To relocate fire hydrant #199 at the NE Quadrant of 4th/Montano

B. VALVES TO BE CLOSED:

1. 584 Montano/4th
2. 262 Montano/2nd

LEGEND

⊙ FH

○ VALVE

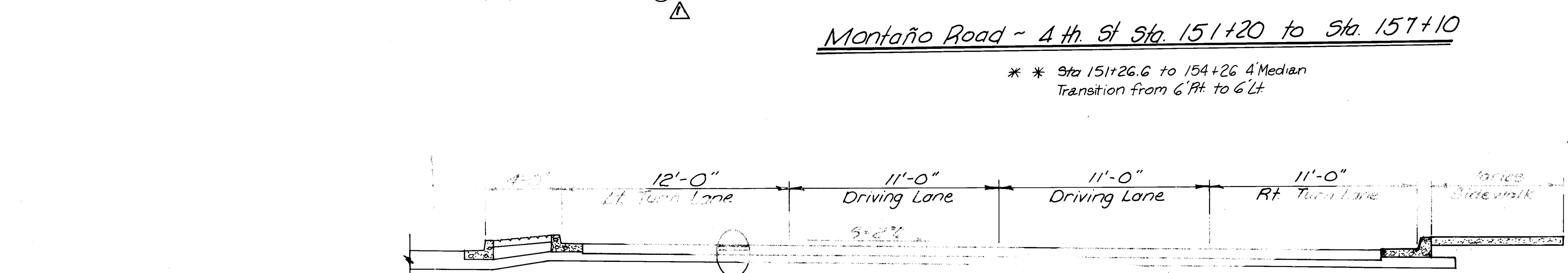
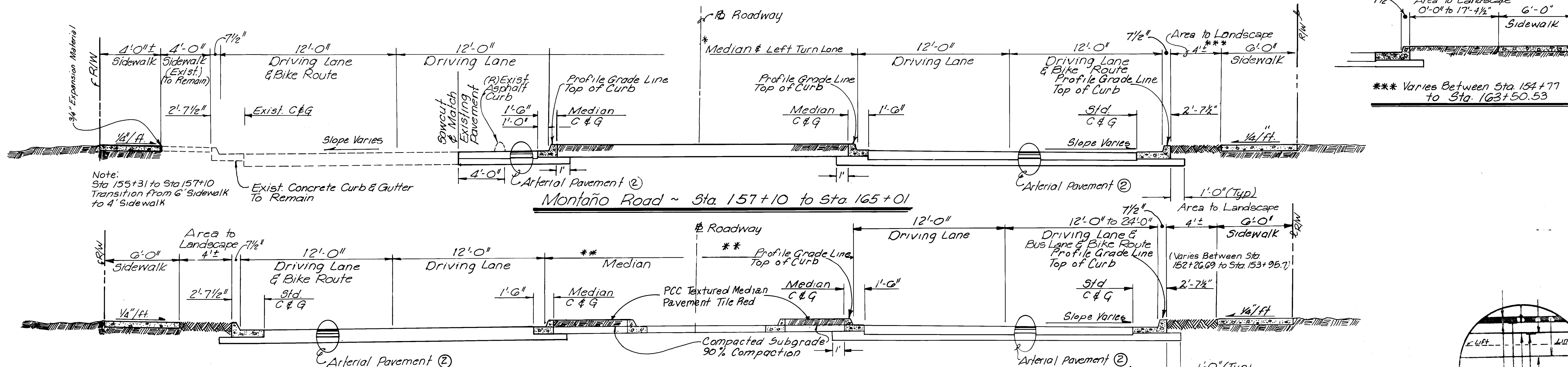
— WATER LINE

265 VALVES TO BE SHUT OFF

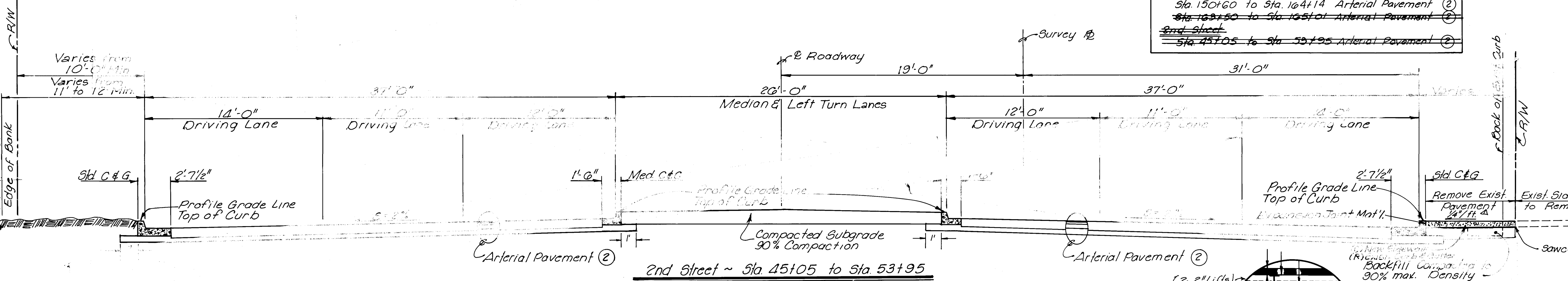
26 246 20394

RECORD DRAWING
DATE 5/5/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO WATER SHUTOFF PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	<i>[Signature]</i>	1-24-91	Water	<i>[Signature]</i>	1-25-91
Transportation	<i>N/A RHO</i>	1-22-91	Waste Water	<i>[Signature]</i>	"
Hydrology	<i>[Signature] NA</i>				
DRAWING NO. 2462		MAP NO. F-14		SHEET 3 OF 44	
WILSON & COMPANY ENGINEERS & ARCHITECTS ALBUQUERQUE NEW MEXICO					



Montañito Road - Turning Lane Detail
Sta. 149+61 to Sta. 150+45



GRADATION FOR SELECT SUBBASE SHALL CONFORM TO:

U.S. Standard Sieve Size	% Passing
2"	100%
#4	40-65%
#200	5-15%

Plasticity Index Shall Be 10 or Less

* Note: Prior to placement of sub-base the Contractor will compact 6" depth subgrade to 95% max. density (ASTM D1557)

ARTERIAL PAVEMENT ②

- 2" Asphaltic Concrete Surface, Gradation B (1800*Slab Min.)
- Bituminous Tack Coat
- 3" Asph. Conc. Base Course, Gradation A (1800*Slab Min.)
- Bituminous Tack Coat
- 5" Plant Mix Bituminous Treated Base (2-2 1/2" Lifts)

* 12" Select Subbase (min R Value = 60) Compacted to 95% max. Density (A.S.T.M. D 1557) (2-6" Lifts)

ARTERIAL PAVEMENT ①

- 1 1/2" Asphaltic Conc. Surf., Gradation B (1800*Slab Min.)
- Bituminous Tack Coat
- 1 1/2" Asphaltic Conc. Base Course, Gradation A (1800*Slab Min.)
- Bituminous Tack Coat
- 5" Plant Mix Bituminous Treated Base (2-2 1/2" Lifts)

* 12" Select Subbase Compacted to 95% Max. Density (A.S.T.M. D 1557) (2-6" Lifts)

ARTERIAL PAVEMENT SECTION SCHEDULE

Station Range	Pavement Type
Sta. 148+00 to Sta. 150+60	Arterial Pavement ①
Sta. 150+60 to Sta. 164+14	Arterial Pavement ②
Sta. 163+50 to Sta. 165+01	Arterial Pavement ③
Sta. 45+05 to Sta. 53+95	Arterial Pavement ④

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO ROAD
TYPICAL SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	[Signature]	1-24-91	Water	[Signature]	1-23-91
Transportation	[Signature]	1-22-91	Waste Water	[Signature]	"
Hydrology	[Signature]	"	"	"	"

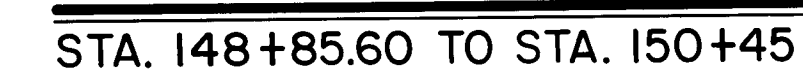
DRAWING NO. **2462** MAP NO. **F-14** SHEET **4** OF **44**

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

85-517



STA. 148+00 TO STA. 148+85.60



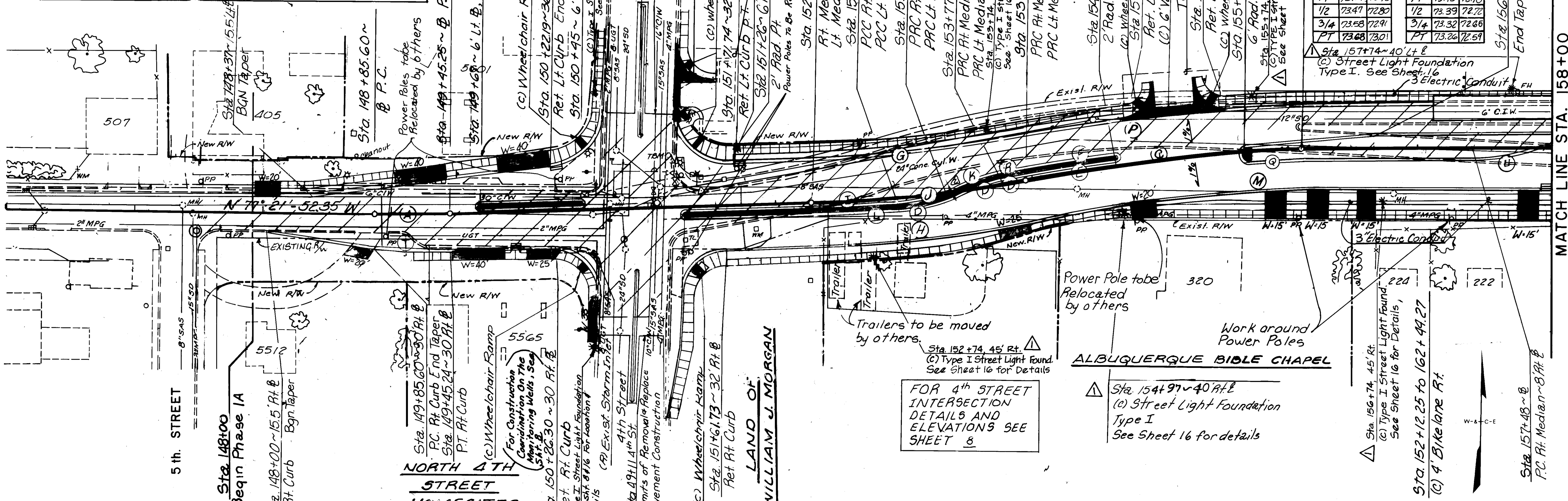
C-1 A PWD Maps & Records										
1	2	3	4	5	6	7	8	9	10	11
26			24	6	2	0	5	9	4	

MONTANO ROAD TYPICAL SECTION

85-517

ZAPF-VAN ADDITION NO. 10

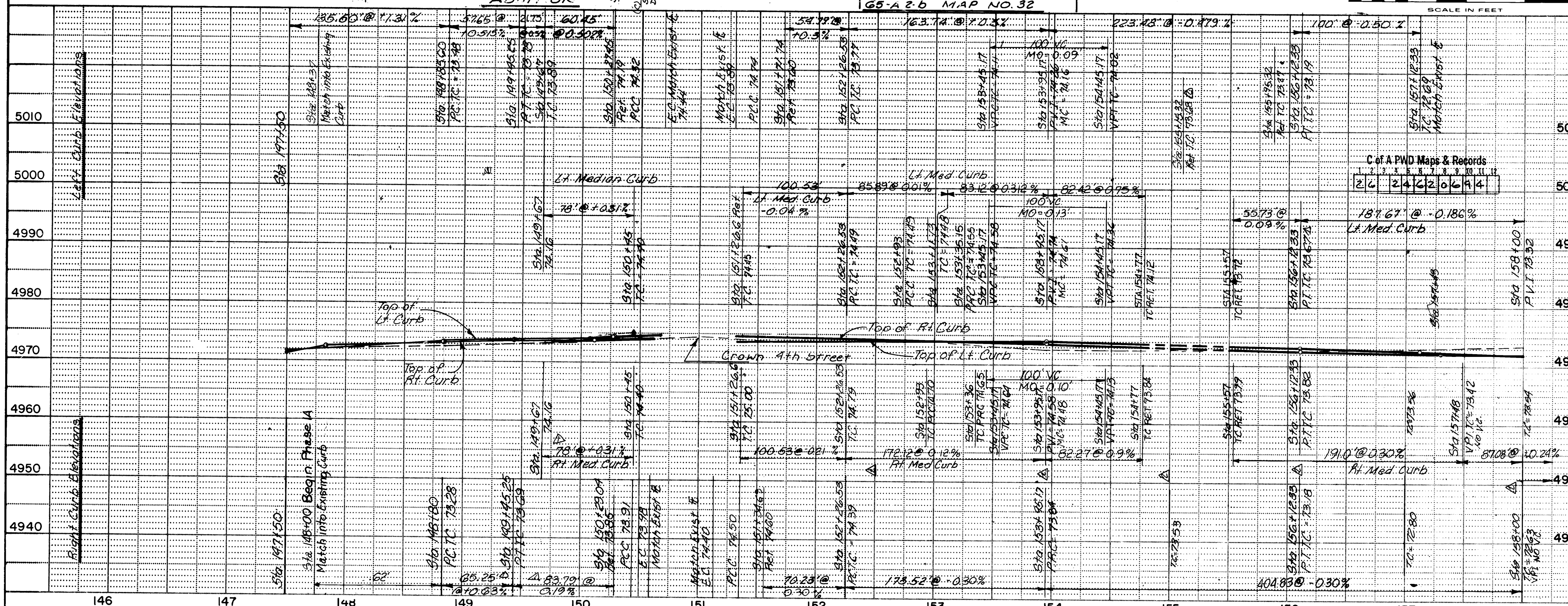
Concrete Median Pavement		
Patterned Brick Running Bond - Davis Color Red Tile		
Sta	to	Sq. Ft.
149+67.00	150+48.00	210
151+26.00	154+67.00	907
	Total	1117



FOR 4th STREET INTERSECTION DETAILS AND ELEVATIONS SEE SHEET 8

ALBUQUERQUE BIBLE CHAPEL

TRACTS G5-A-20 & G5-A-25 MAP NO. 32



CURVE DATA

- Construction Curve
 $\Delta = 08^\circ 44' 51''$
 $R = 1104.54'$
 $T = 84.48'$
 $L = 168.64'$
- RT Median Curb
 $\Delta = 16^\circ 13' 27''$
 $R = 1500.00'$
 $T = 21.92'$
 $L = 42.47'$
- RT Median Curb
 $\Delta = 03^\circ 44' 28''$
 $R = 1104.07'$
 $T = 36.06'$
 $L = 72.09'$
- LT Median Curb
 $\Delta = 03^\circ 44' 28''$
 $R = 1104.07'$
 $T = 36.06'$
 $L = 72.09'$
- LT Curb
 $\Delta = 08^\circ 44' 51''$
 $R = 1072.54'$
 $T = 82.03'$
 $L = 163.75'$
- LT Median Curb
 $\Delta = 03^\circ 26' 53''$
 $R = 1108.54'$
 $T = 33.37'$
 $L = 66.71'$
- LT Median Curb
 $\Delta = 16^\circ 37' 57''$
 $R = 136.00'$
 $T = 21.34'$
 $L = 42.38'$
- LT Median Curb
 $\Delta = 16^\circ 37' 57''$
 $R = 136.00'$
 $T = 22.51'$
 $L = 44.71'$
- RT Median Curb
 $\Delta = 03^\circ 26' 53''$
 $R = 1112.54'$
 $T = 33.49'$
 $L = 66.95'$
- RT Curb
 $\Delta = 08^\circ 44' 51''$
 $R = 1136.54'$
 $T = 86.93'$
 $L = 173.52'$

CONSTRUCTION @ CURVE

- A
 $\Delta = 03^\circ 06' 24''$
 $R = 1100.00'$
 $T = 29.83'$
 $L = 59.64'$

CONSTRUCTION @ CURVE

- C
 $\Delta = 11^\circ 18' 40''$
 $R = 1100.07'$
 $T = 108.93'$
 $L = 217.16'$
- M
 $\Delta = 11^\circ 18' 40''$
 $R = 1068.02'$
 $T = 105.77'$
 $L = 210.84'$

CONSTRUCTION @ CURVE

- P
 $\Delta = 11^\circ 18' 40''$
 $R = 1132.02'$
 $T = 112.10'$
 $L = 223.48'$
- R
 $\Delta = 02^\circ 52' 54''$
 $R = 1092.07'$
 $T = 21.46'$
 $L = 54.92'$
- S
 $\Delta = 02^\circ 52' 54''$
 $R = 1100.53'$
 $T = 9.05'$
 $L = 18.10'$
- T
 $\Delta = 08^\circ 06' 23''$
 $R = 1130.00'$
 $T = 30.84'$
 $L = 21.28'$

RECORD DRAWING

DATE 5/5/92

Note: Distances shown on Profile lines are measured along face of curb.

Stationing shown on Profile is 2 Stationing

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO ROAD
PAVING

APPROVALS ENGINEER DATE APPROVALS ENGINEER DATE

DRG Chairman [Signature] 12/2/91 Water [Signature] 1-25-91

Transportation [Signature] 12/2/91 Waste Water [Signature] 1-25-91

Hydrology [Signature] 12/2/91

DESIGNED BY WPR DATE 6/86

DRAWN BY RAG DATE 6/86

CHECKED BY SJM DATE 7/86

REVISIONS

NO. DATE

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DATE 6/86

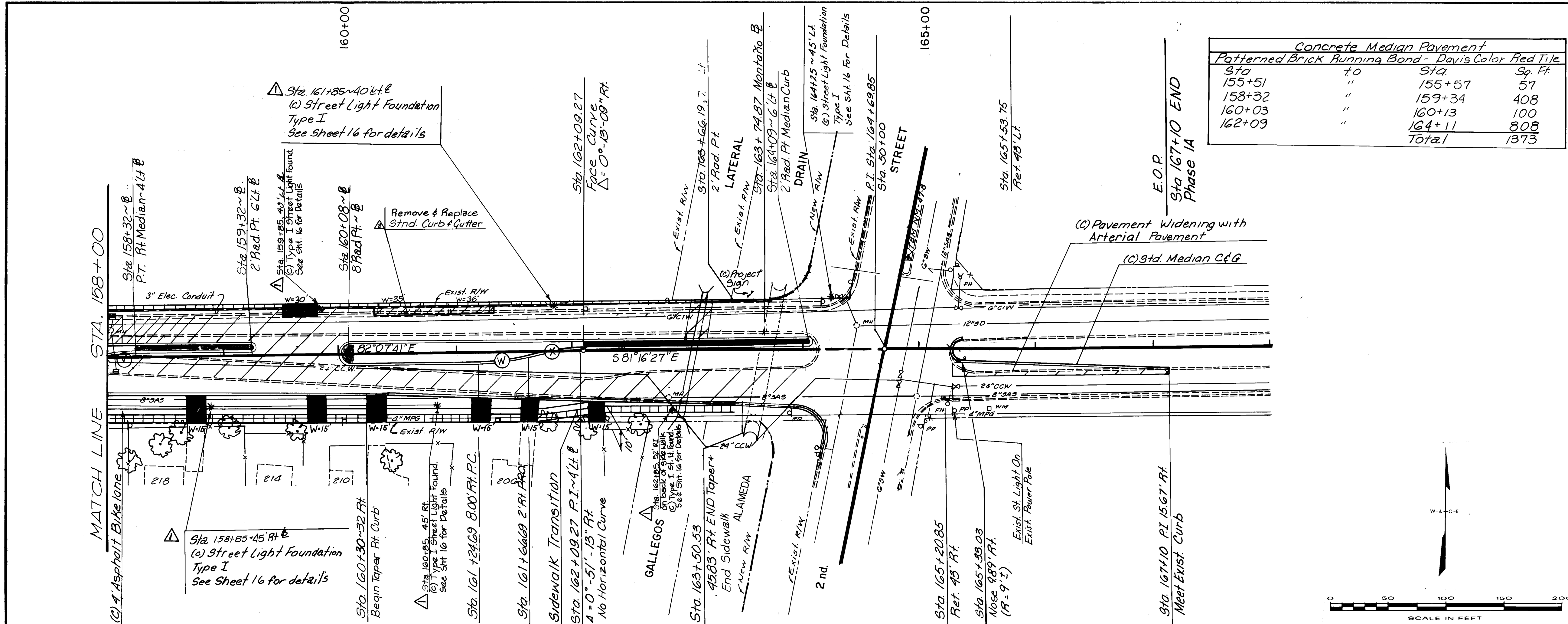
DRAWING NO. 2462

MAP NO. F14

SHEET 6 OF 44

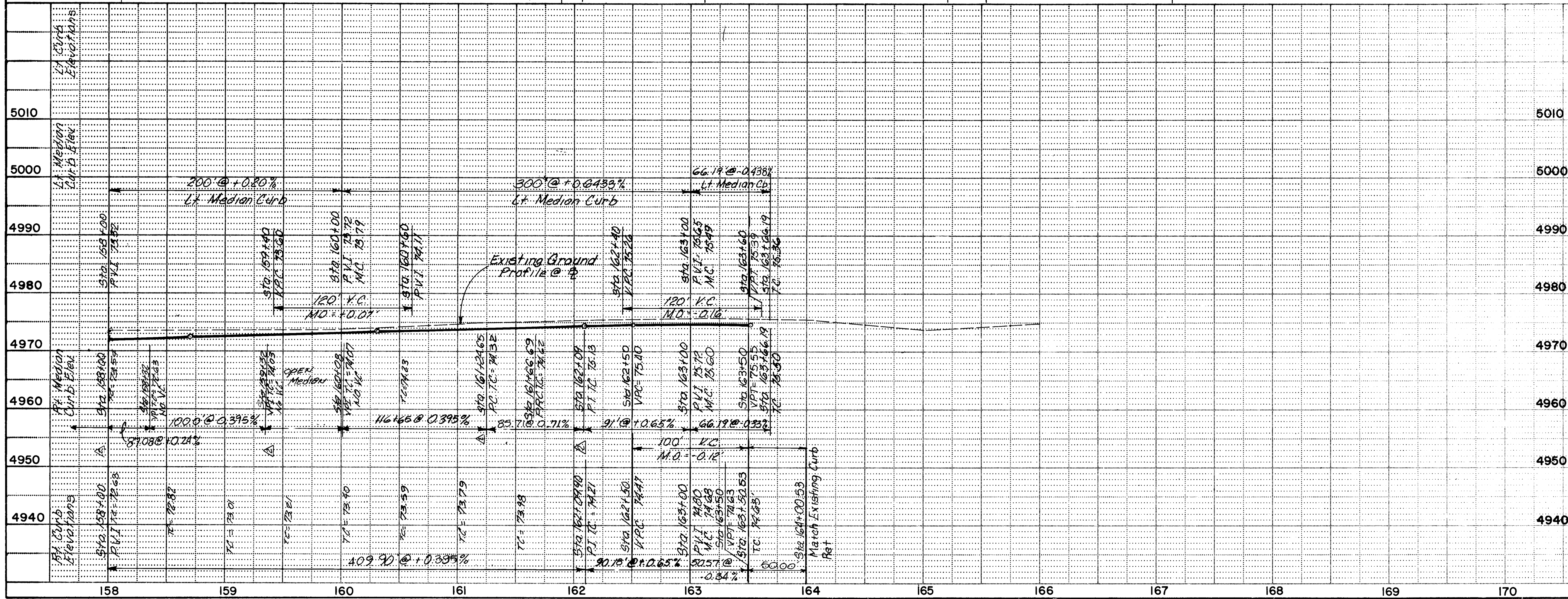
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

85-517



Concrete Median Pavement			
Patterned Brick Running Bond - Davis Color Red Tile			
Sta	to	Sta	Sq. Ft
155+51	155+57	57	
158+32	159+34	408	
160+03	160+13	100	
162+09	164+11	808	
Total		1373	

- CURVE DATA**
- (W) Rt. Median Curve
 $\Delta = 16^\circ - 15' - 59''$
 $R = 150.00'$
 $T = 21.42'$
 $L = 42.57'$
- (X) Rt. Median Curb
 $\Delta = 16^\circ - 28' - 42''$
 $R = 150.00'$
 $T = 21.72'$
 $L = 43.14'$
- (V) Rt. Median Curb
 $\Delta = 16^\circ - 37' - 57''$
 $R = 150.00'$
 $T = 21.92'$
 $L = 43.54'$

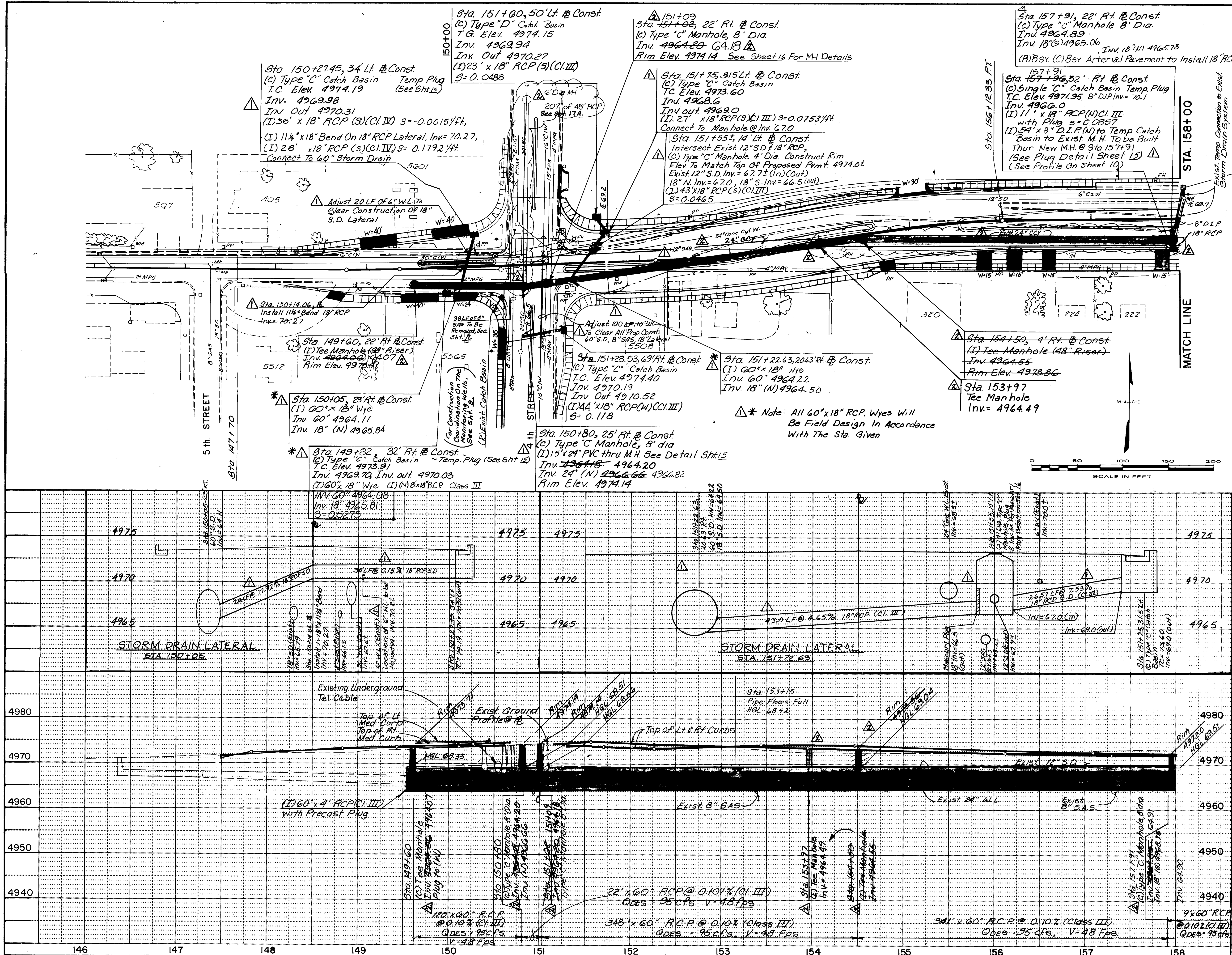


C of A PWD Maps & Records									
1	2	3	4	5	6	7	8	9	10
26	24	62	20	7	9	4			

RECORD DRAWING
DATE 5/5/92

*Distances Shown on Profile lines are Measured along face of curb.
Stationing Shown on Profile is Stationing

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP				
MONTANO ROAD PAVING				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
DRG Chairman	[Signature]	5/5/92	Water	[Signature]
Transportation	[Signature]	1/22/91	Waste Water	[Signature]
Hydrology	[Signature]	1/22/91		
DRAWING NO.	2462	MAP NO.	F15	SHEET 7 OF 44



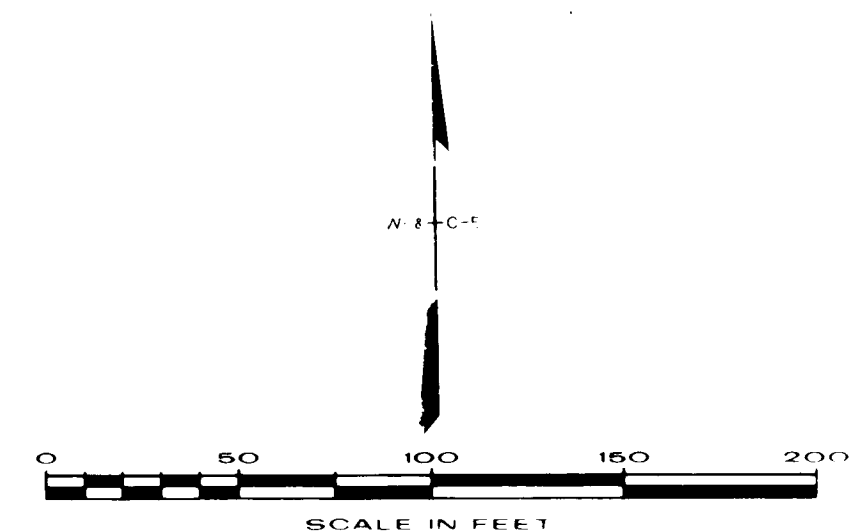
Sta. 158+02, 32' Lt. Const. Remove Exist. C.B. And Lateral Line South To Exist. S.D. M.H. (C) Type 'C' Catch Basin w/Temp Plug TC = 72.48, Inv. = 66.00 (Out) As Per Storm Drain Lateral Sta 157+91 Profile On Sht. 10 & Plug As Per Detail On Sht. 15.

RECORD DRAWING
DATE 5/5/92

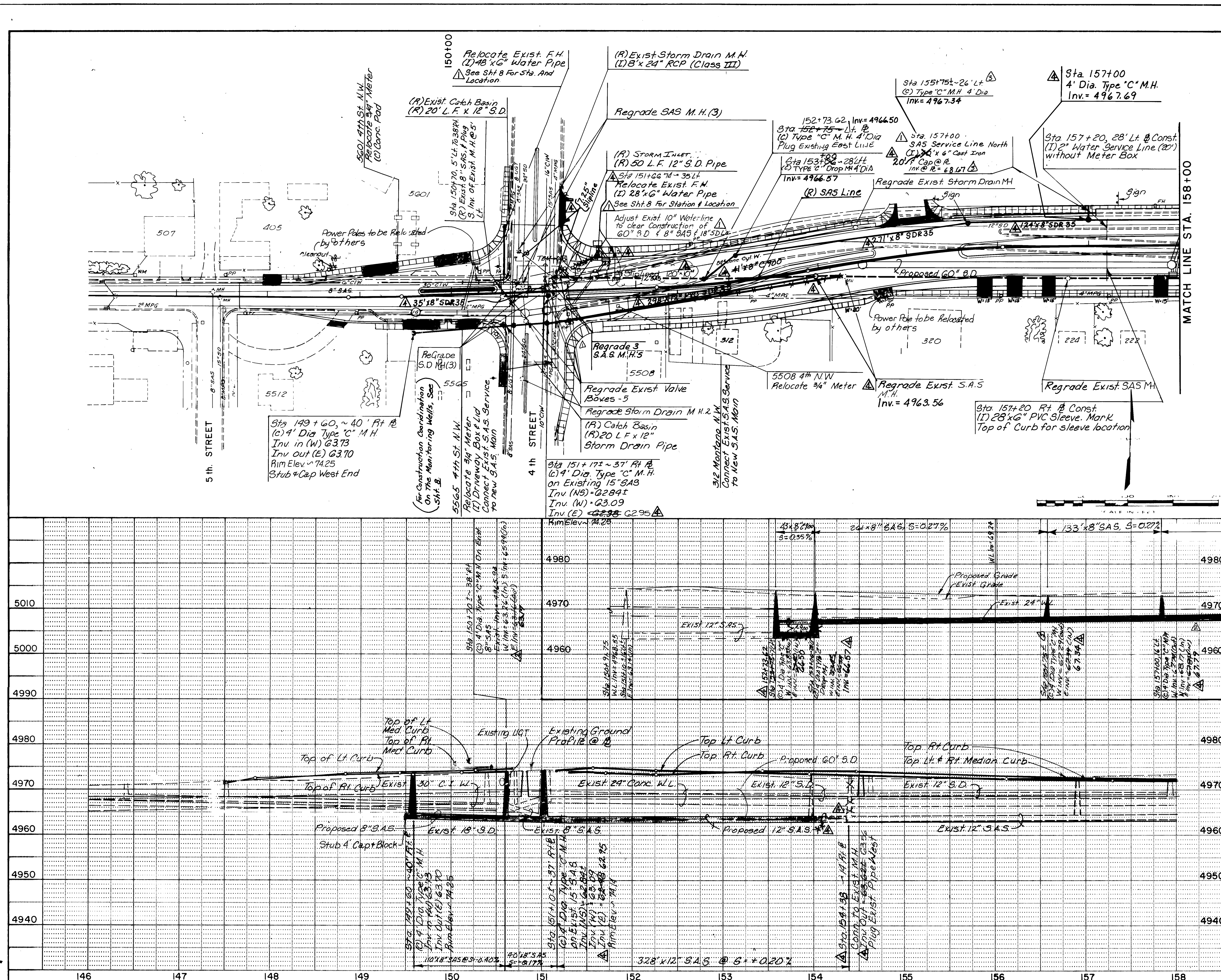
Note: HGL Elev's Are For Design Q's Shown.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD STORM DRAIN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG Chairman	W. J. RHO	1-24-91	Water	W. J. RHO	1-23-91
Transportation	W. J. RHO	1-22-91	Waste Water	W. J. RHO	
Hydrology	W. J. RHO	1/23/91			
DESIGNED BY WPR DATE 6/86					
DRAWN BY RAG DATE 6/86					
CHECKED BY SUM DATE 7/86					
REVISIONS					
NO.	DATE	REMARKS	BY	DATE	
1	4/92	Record Drawing Information	W. J. RHO		
2	6/86	Addendum No. 1	W. J. RHO		
WILSON & COMPANY, ENGINEERS & ARCHITECTS					
MAP NO. F 14 SHEET 9 OF 44					
DRAWING NO. 2462					

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	M.C.C.	TBM 85-517-5	ELEV 4974.33	FIELD NOTES	DATE		
WORKED BY	C.O.A.	CITY BENCH MARK 2-F-14	A CHISELED	BY			
ACCEPTED BY	C.O.A.	ON TOP OF CONCRETE CURB AT NNE CURB					
VERIFICATION BY	C.O.A.	RETURN @ THE INTERSECTION OF 4TH					
MICRO-FILM INFORMATION		NO		NO		NO	
RECORDED BY		NO		NO		NO	



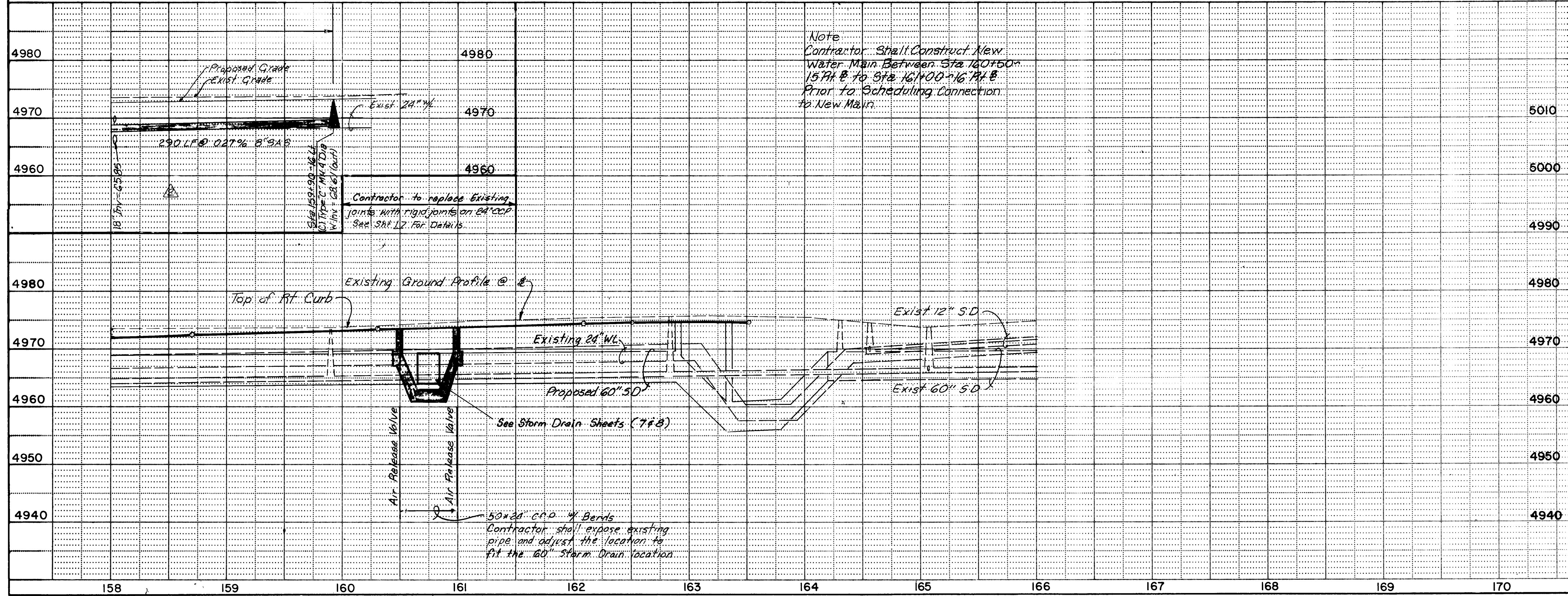
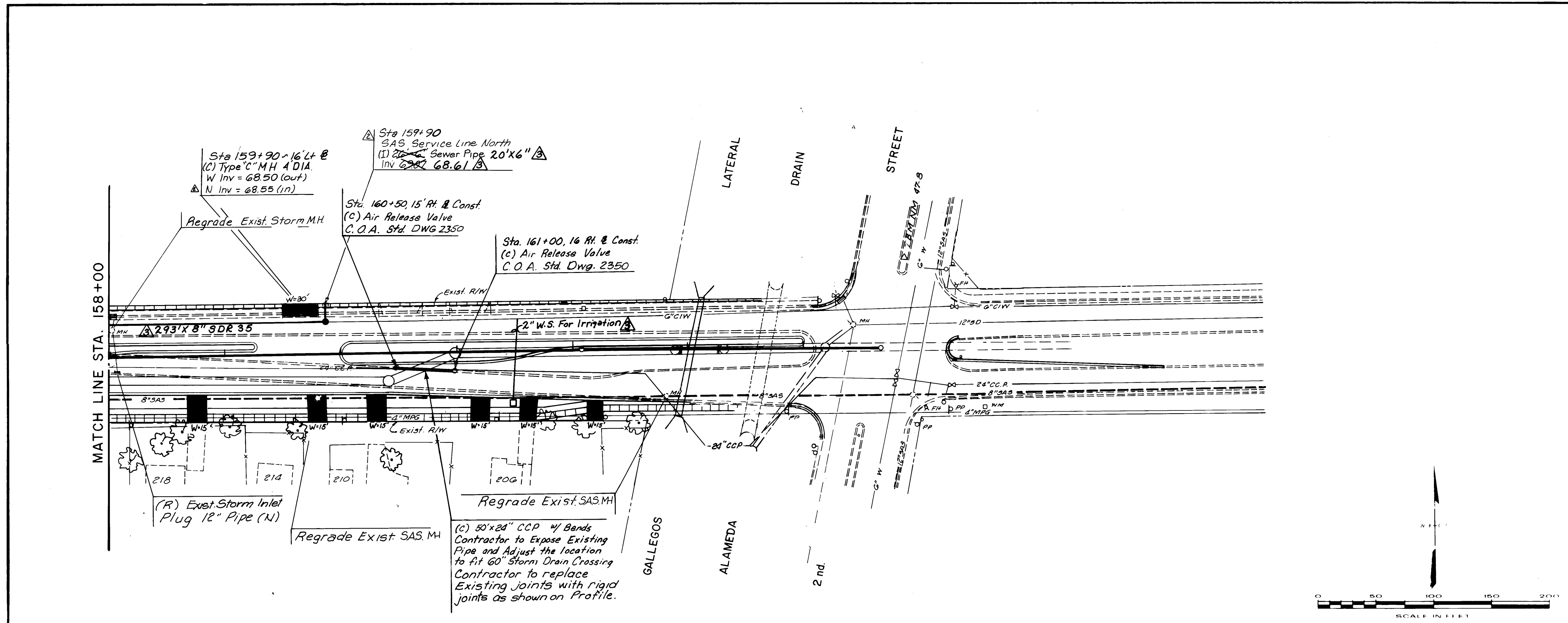
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO



⚠ Note: All SAS Services Shall Have EDM Markers w/ chiseled "S" on Curb Sta 157+00 & Sta 159+90

⚠ Note: City Surveyor is To Verify All New MH Locations.

[illegible]



Note: All SAS Services Shall Have EDM Markers w/ chiseled 'S' on Curb Sta 157+00 to Sta 159+90

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	M.C.C.	DATE	TBM	85-517-6	ELEV	4974.57	NO.	BY	ENGINEER'S SEAL 1-2191		
INSPECTOR	C.O.A.	DATE	CITY	HORIZ. CONTROL STATION	A	STANDARD	DATE	BY			
ACCEPTANCE BY	C.O.A.	DATE	N.M.S.H.C.	TABLET STAMPED STA	N.M.	47-8	DATE	BY			
VERIFICATION BY	C.O.A.	DATE	SET IN TOP OF CONCRETE POST PROJECTING	01 ABOVE GROUND, LOCATED IN THE ISLAND	2ND STREET APPROX. 100' NORTH OF BASE-	LINE ON MONTANO 4.8' NORTH OF TRAFFIC	DATE	BY			
RECORDED BY	NO	DATE	MICRO-FILM INFORMATION			REVISIONS			WILSON & COMPANY, ENGINEERS & ARCHITECTS		
						DESIGNED BY RFS			DATE		
						DRAWN BY JH-J			DATE		
						CHECKED BY SJM			DATE		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO ROAD
UTILITIES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	1-24-91	Water	1-23-91		
Transportation	1-22-91	Waste Water			
Hydrology	1-22-91				

DRAWING NO. 2462

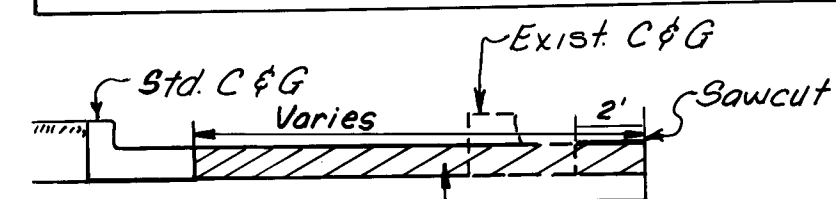
MAP NO. F 15

SHEET 12 OF 44

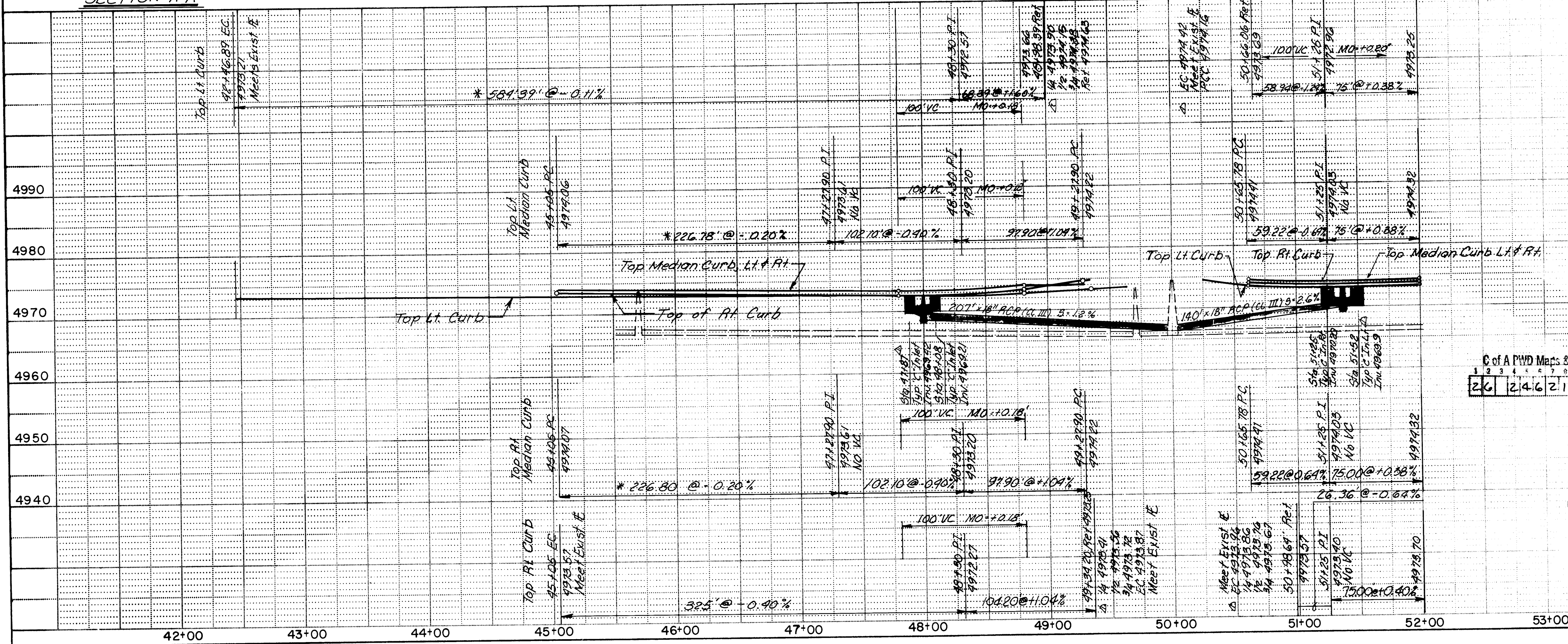
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

85-517

Concrete Median Pavement - Patterned Brick			
Running Band - Davis Color Red Tile			
Sta.	to	Sta.	Sq. Ft.
45+05	"	49+2790	1269
50+66.78	"	52+00	414
Total			1683



SECTION A-A



C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 24.6 21.3 9.4

RECORD DRAWING
DATE 5/5/92

- CURVE DATA**
- (F) Rt. Curb
 $\Delta = 3^\circ - 43' - 51''$
 $R = 1400.00'$
 $T = 45.60$
 $L = 91.16$
 - (G) Rt. Curb
 $\Delta = 3^\circ - 43' - 51''$
 $R = 1431.00'$
 $T = 46.61'$
 $L = 93.18'$
 - (K) Rt. Median Curb
 $\Delta = 1^\circ - 12' - 04''$
 $R = 1400.00'$
 $T = 14.67'$
 $L = 29.35$
 - (L) Rt. Median Curb
 $\Delta = 18^\circ - 15' - 14''$
 $R = 300.00'$
 $T = 48.20$
 $L = 95.58$
 - (M) Rt. Median Curb
 $\Delta = 19^\circ - 27' - 18''$
 $R = 300.00'$
 $T = 51.43'$
 $L = 101.87$
 - (N) Lt. Median Curb
 $\Delta = 1^\circ - 12' - 04''$
 $R = 1396.00'$
 $T = 14.63'$
 $L = 29.26'$
 - (O) Lt. Median Curb
 $\Delta = 18^\circ - 15' - 14''$
 $R = 296.00'$
 $T = 47.55'$
 $L = 94.30'$
 - (P) Lt. Median Curb
 $\Delta = 19^\circ - 27' - 18''$
 $R = 304.00$
 $T = 52.11$
 $L = 103.22$
 - (Q) Lt. Curb
 $\Delta = 5^\circ - 11' - 14''$
 $R = 1437.00'$
 $T = 65.09'$
 $L = 130.10$
 - (R) Lt. Curb
 $\Delta = 5^\circ - 11' - 14''$
 $R = 1400.00'$
 $T = 63.42'$
 $L = 126.75'$

NOTE:
Distances Shown on Profile Line are
Measured along face of curb.
Stationing is along 2nd Street

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
SECOND STREET
PAVING & STORM DRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]	3/12/87	Liquid Waste	[Signature]	3/12/87
ACE Design	[Signature]	3/12/87	Traffic	[Signature]	3/12/87
ACE Hydrology	[Signature]	3/12/87	Water	[Signature]	3/12/87
Parks & Rec.					

DRAWING NO. 2462 MAP NO. F-15 SHEET 13 OF 44

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

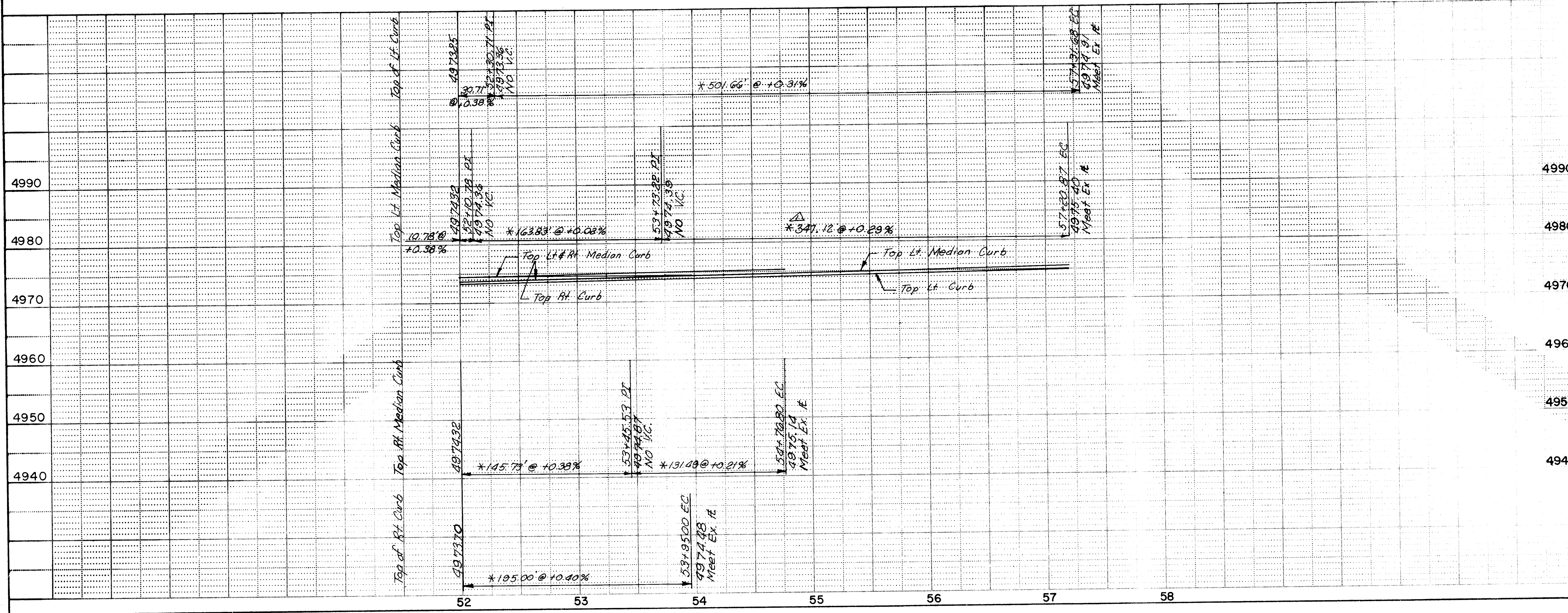
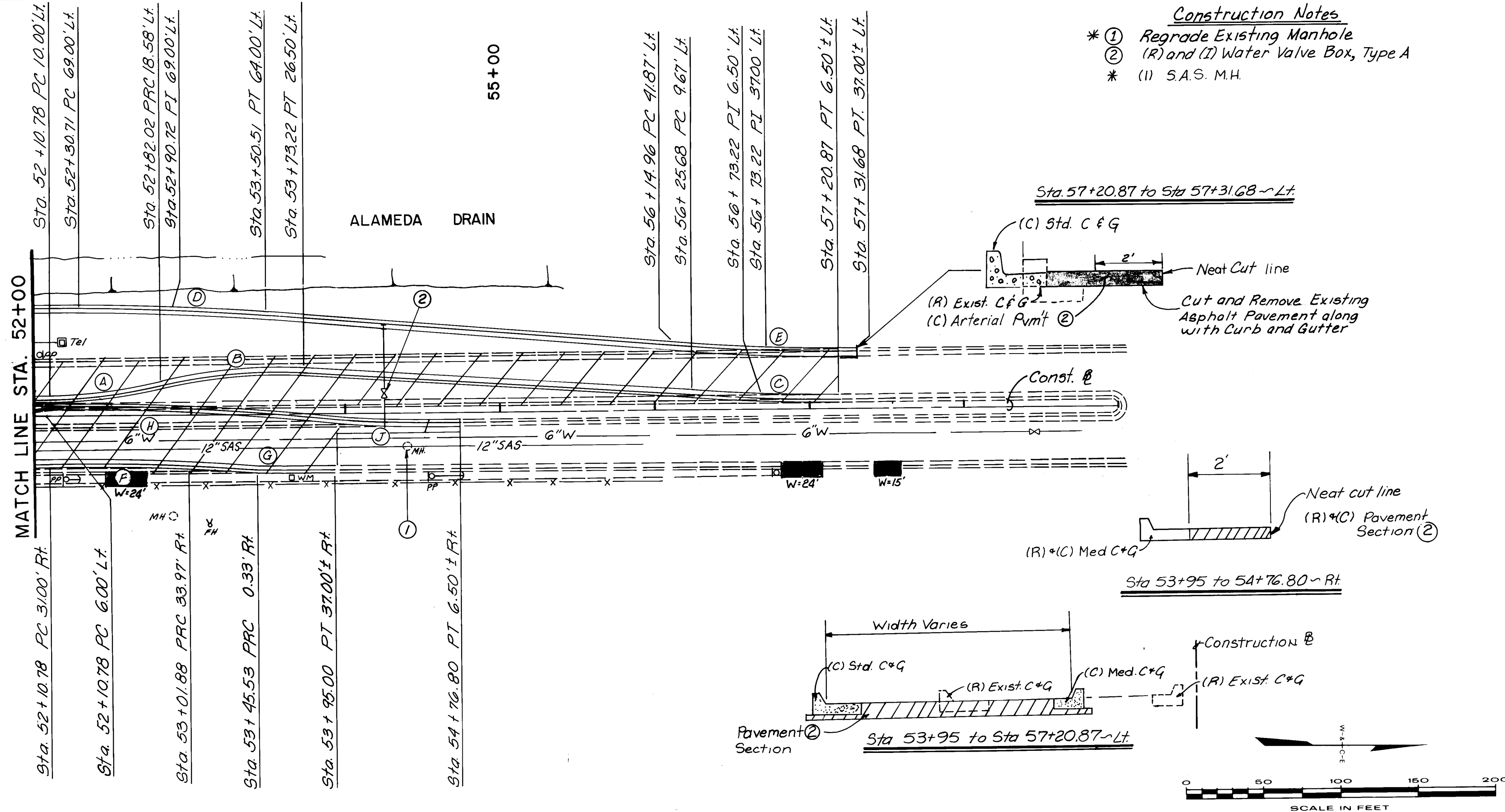
AS BUILT INFORMATION

CONTRACT NO. 85-517-6
CITY HORIZ. CONTROL STATION A STANDARD
N.M.S.H.C. TABLE STAMPED STA. N.M. 47-8
SET IN TOP OF CONCRETE POST PROJECTING
0.1' ABOVE GROUND. LOCATED IN THE ISLAND
2ND STREET APPROX. 100' NORTH OF BASE-
LINE ON MONTANO 46' NORTH OF TRAFFIC
LIGHT.

ENGINEER'S SEAL

1-21-91

Concrete Median Pavement - Patterned Brick			
Running Bond - Davis Color Red Tile			
Sta.	to	Sta.	Sq. Ft.
52+00		52+10.78	36
Total			36



CURVE DATA

- Lt. Median Curb**
 $\Delta = 13^\circ - 44' - 16''$
 $R = 300.00'$
 $T = 36.14'$
 $L = 71.93'$
- Lt. Median Curb**
 $\Delta = 17^\circ - 33' - 07''$
 $R = 300.00'$
 $T = 46.31'$
 $L = 91.90'$
- Lt. Median Curb**
 $\Delta = 3^\circ - 48' - 51''$
 $R = 1431.00'$
 $T = 47.65'$
 $L = 95.26'$
- Lt. Curb**
 $\Delta = 4^\circ - 46' - 56''$
 $R = 1437.00'$
 $T = 60.01'$
 $L = 119.94'$
- Lt. Curb**
 $\Delta = 4^\circ - 46' - 56''$
 $R = 1400.00'$
 $T = 58.46'$
 $L = 116.85'$
- Rt. Curb**
 $\Delta = 3^\circ - 43' - 51''$
 $R = 1400.00'$
 $T = 45.60'$
 $L = 91.16'$
- Rt. Curb**
 $\Delta = 3^\circ - 43' - 51''$
 $R = 1431.00'$
 $T = 46.61'$
 $L = 93.18'$
- Rt. Median Curb**
 $\Delta = 5^\circ - 22' - 50''$
 $R = 1437.00'$
 $T = 67.52'$
 $L = 134.95'$
- Rt. Median Curb**
 $\Delta = 5^\circ - 22' - 50''$
 $R = 1400.00'$
 $T = 65.78'$
 $L = 131.47'$

C of A PWD Maps & Records			
1	2	3	4
26	246	214	94

RECORD DRAWING
DATE 5/5/92

* Distances Shown on Profile line are Measured along face of curb. Stationing is along 2nd Street.

CITY OF ALBUQUERQUE

TRANSPORTATION DEPARTMENT

SECOND STREET
PAVING & STORM DRAIN

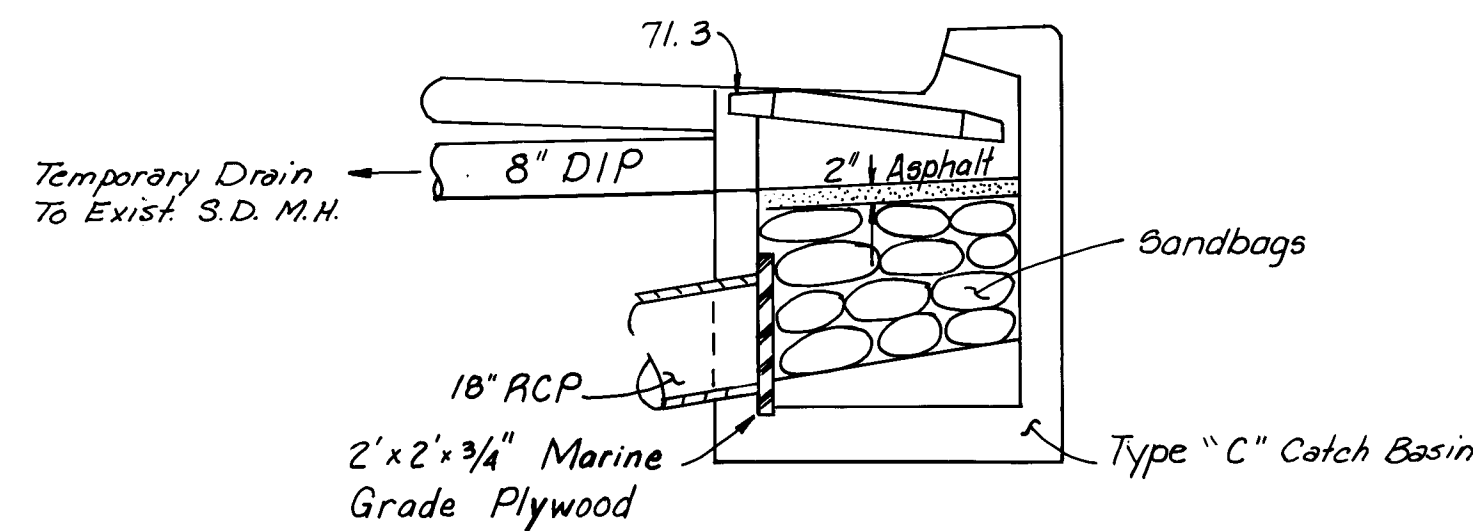
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	J. H. J.	3/12/92	Liquid Waste	J. H. J.	3/12/92
ACE Design	J. H. J.	"	Traffic	J. H. J.	3/12/92
ACE Hydrology	J. H. J.	3-12-92	Water	J. H. J.	3-12-92
Parks & Rec.	J. H. J.	"		J. H. J.	"

DRAWING NO.	MAP NO.	SHEET	OF
2462	F-15	14	44

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

85-517

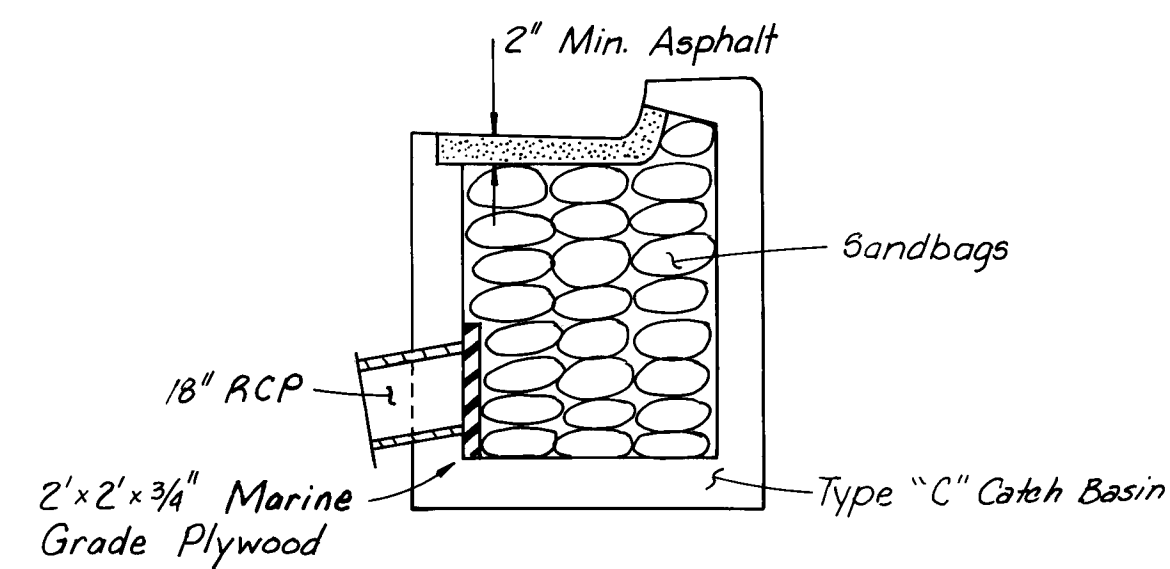
Note:
Temporary Drain to go thru
New Storm Drain M.H. @
Sta. 157+96.



TEMPORARY PLUG AND DRAIN

Inlet Sta. 157+96, 32' Rt. & Sta. 158+02, 32' Rt.

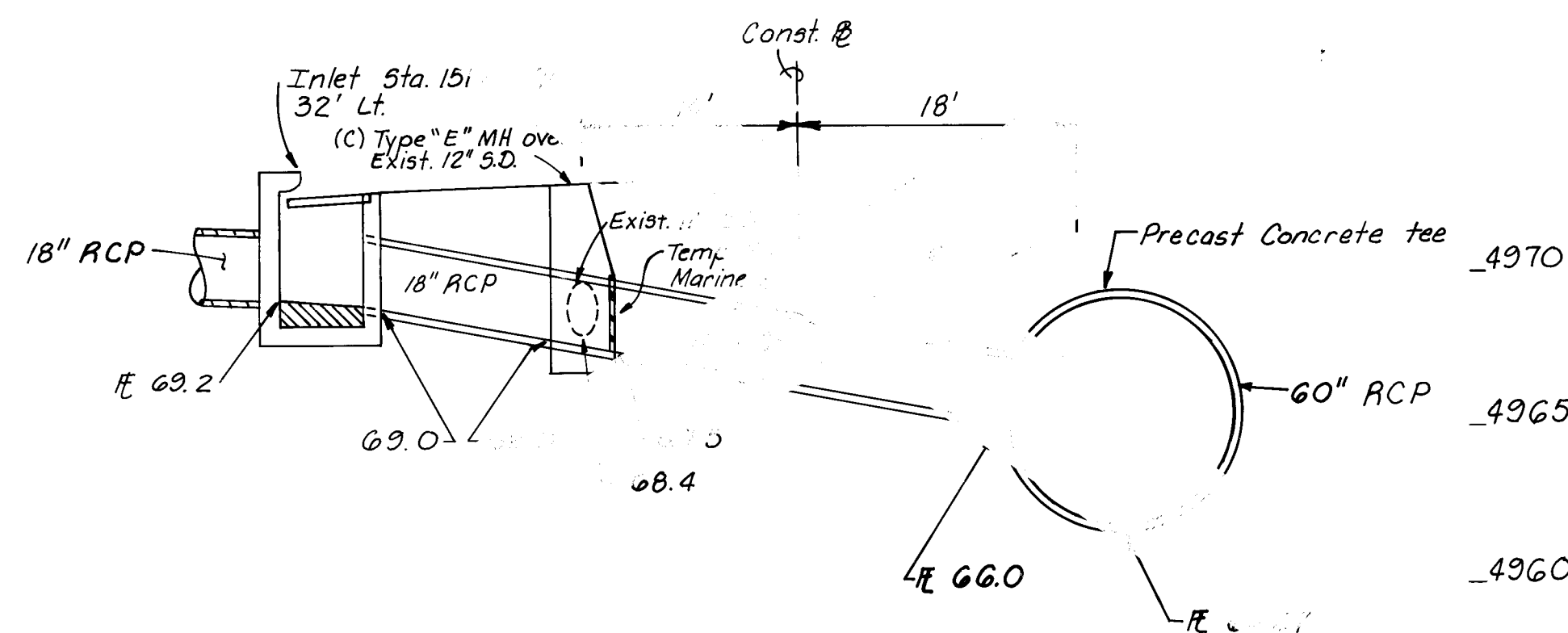
TEMPORARY PLUGGING SHALL BE CONSIDERED INCIDENTAL AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.



INLET PLUGGING DETAIL

Sta. 149+94.00, 32' Rt.
Sta. 150+27.45, 36' Lt.

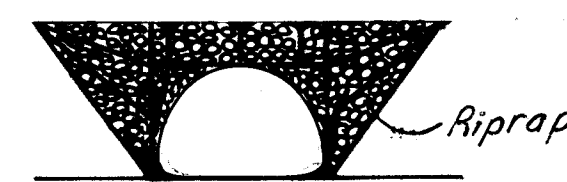
TEMPORARY PLUGGING SHALL BE CONSIDERED INCIDENTAL AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.



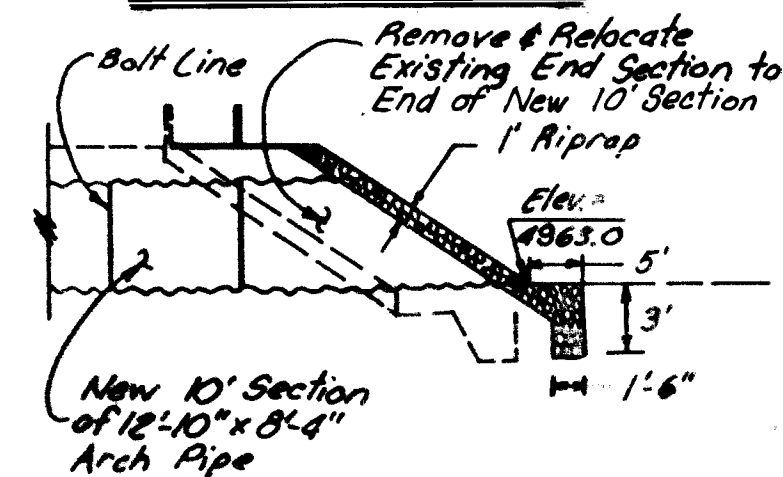
PROFILE

Inlet Sta. 151+75 32' Lt. to 60" RCP

TEMPORARY PLUGGING SHALL BE CONSIDERED INCIDENTAL AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.



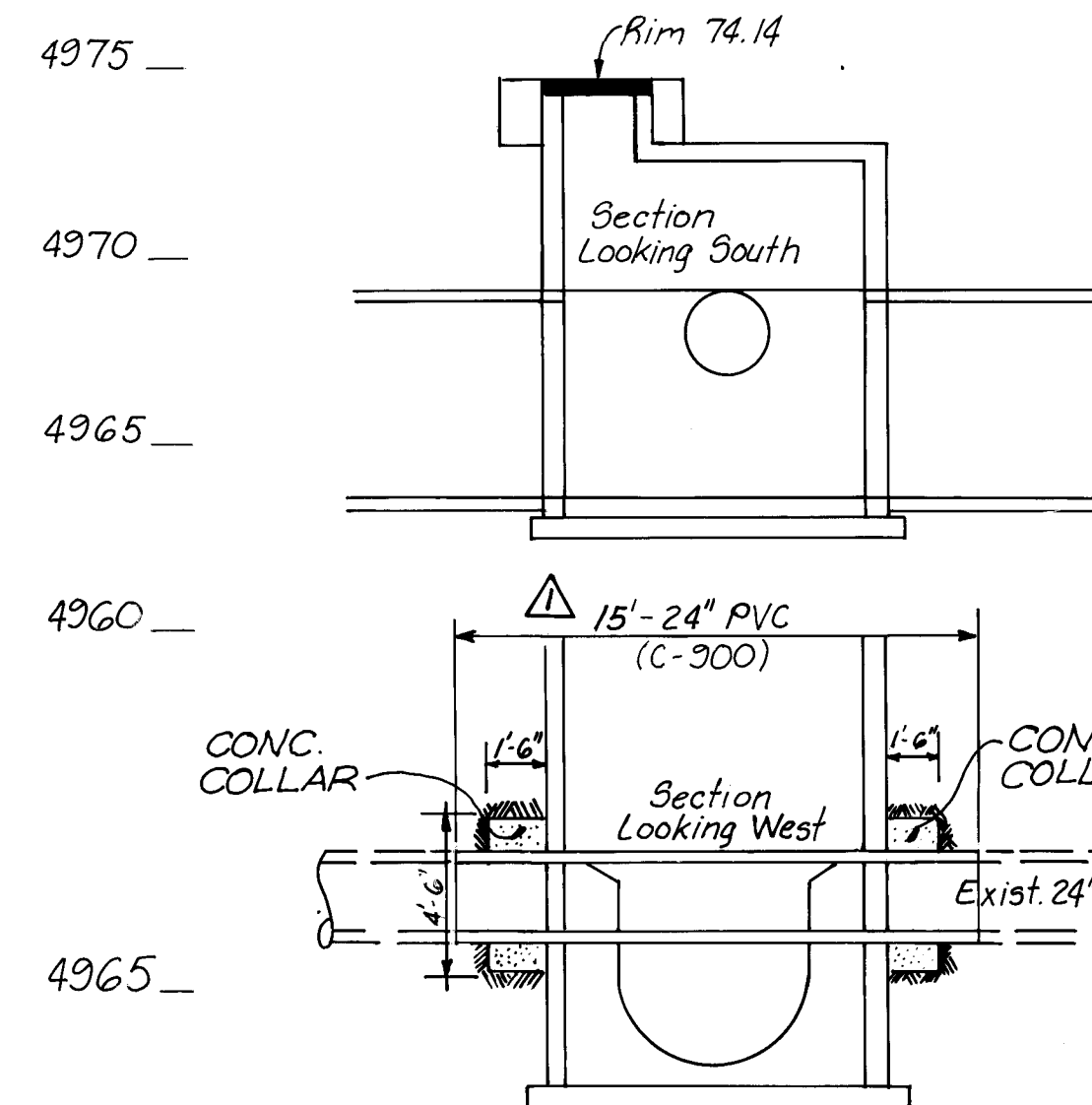
SECTION A-A



ELEVATION SECTION A-A

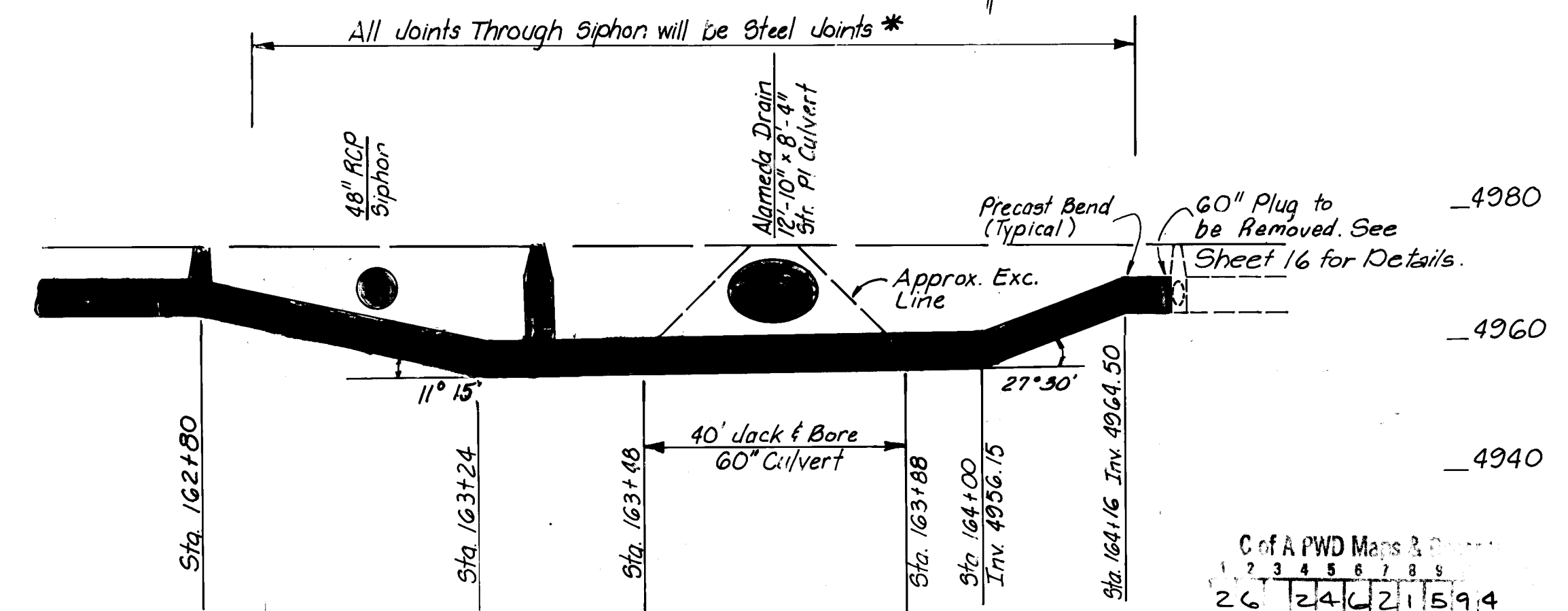
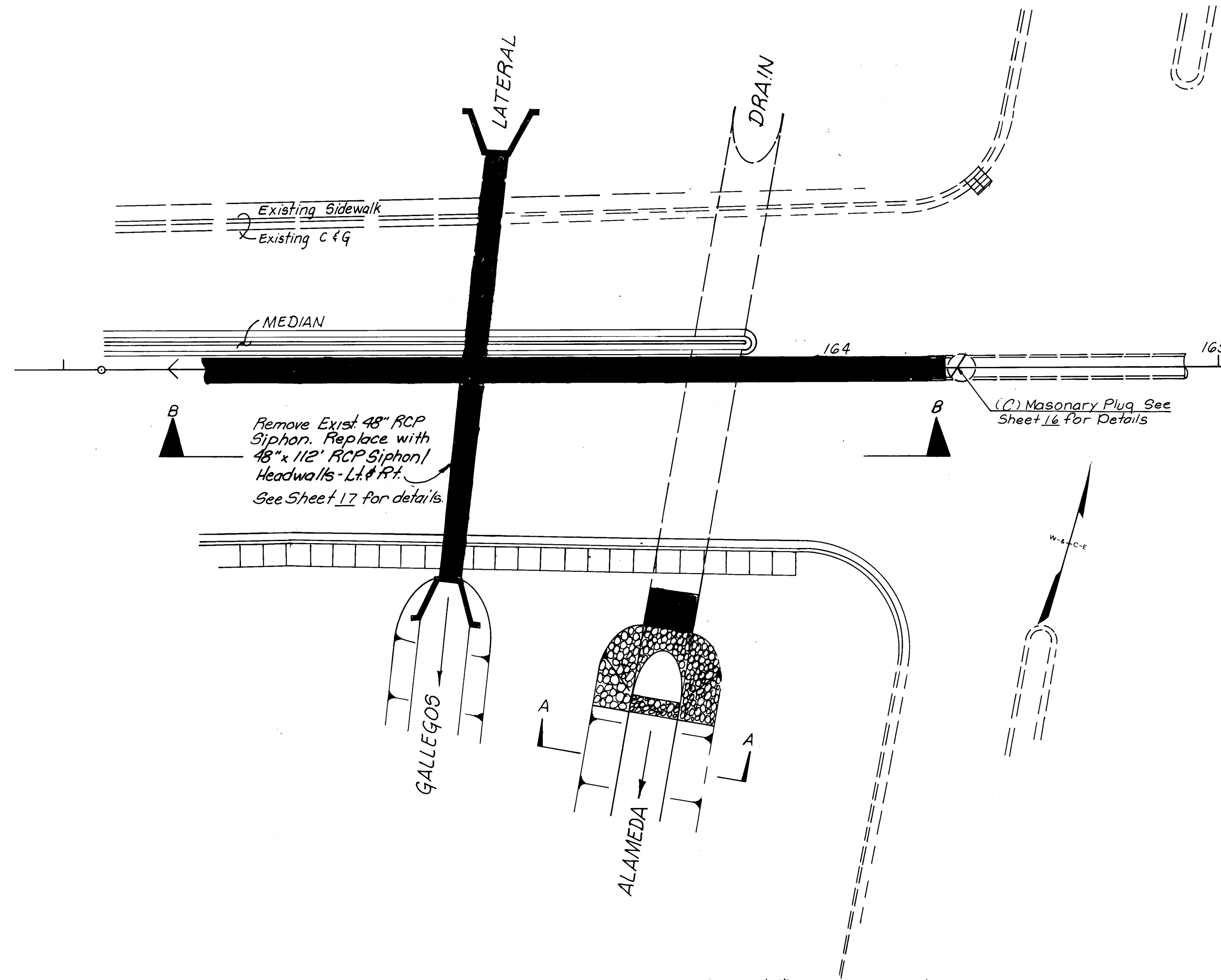
STA 163+70 ~ 12'-10" x 8'-4" STR. PLATE PIPE
Extension Detail ~ Lt

* PVC PIPE SHALL BE CONSIDERED INCIDENTAL AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.



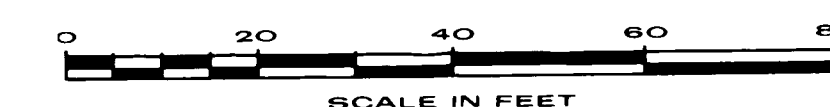
* MANHOLE DETAIL TYPE "C"

Sta. 150+80, 25' Rt.



SECTION B-B

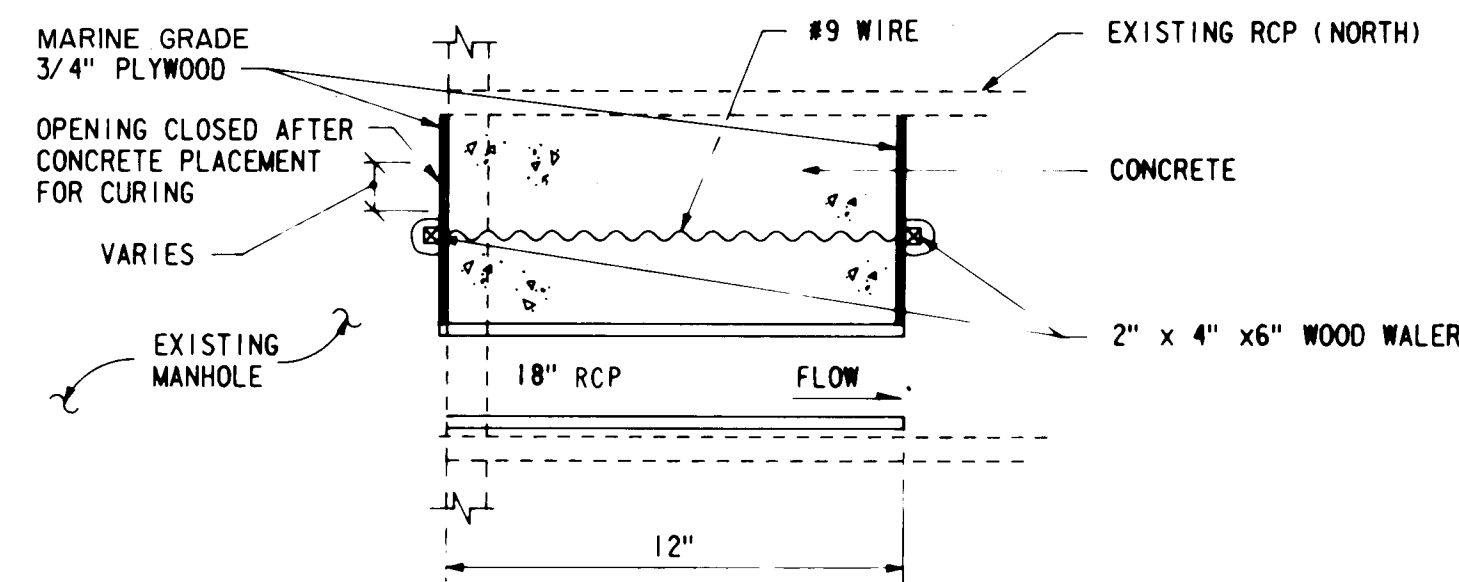
* - Pipe Joints Shall Conform to ASTM Specification



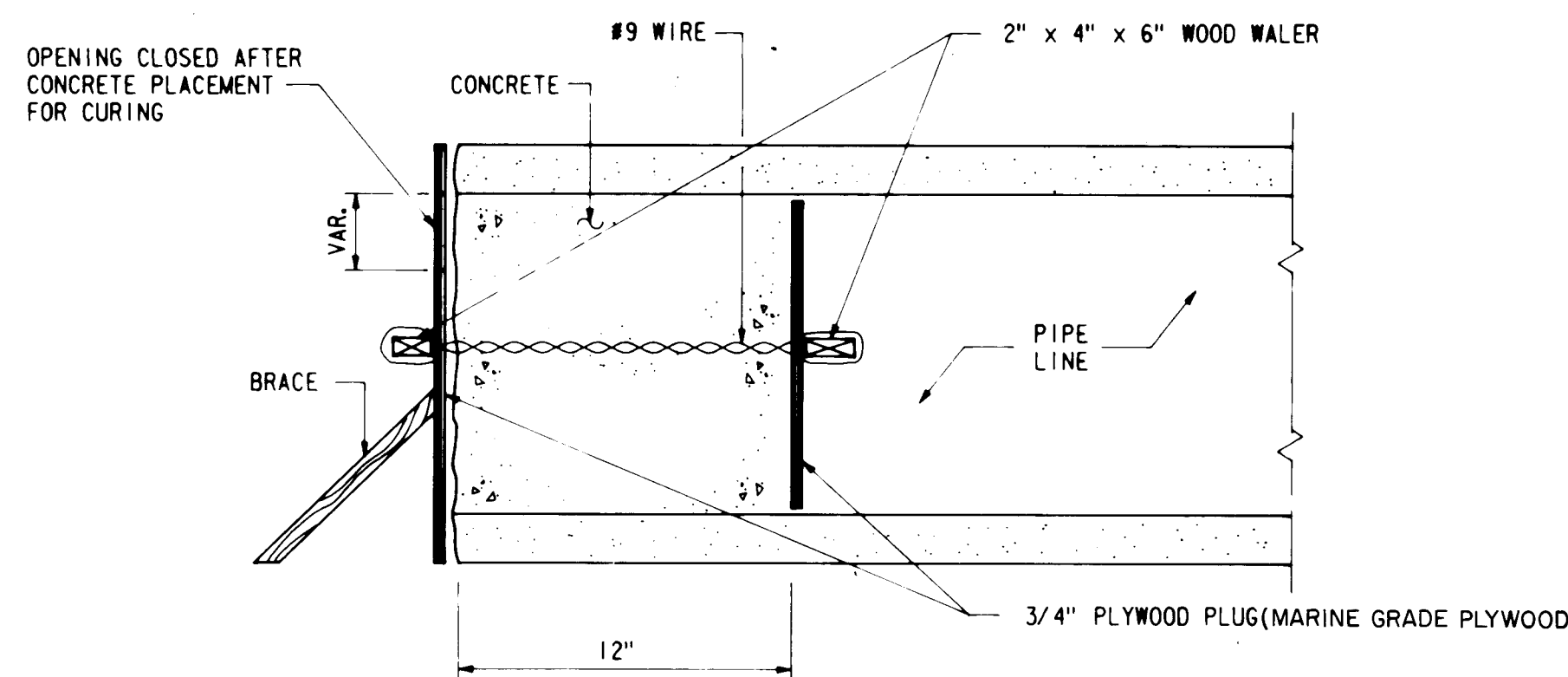
RECORD DRAWING
DATE 5/5/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD - SECOND TO FOURTH STREET STORM DRAIN DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	[Signature]	1-23-91	Water	[Signature]	1-23-91
Transportation	[Signature]	1-22-91	Waste Water	[Signature]	"
Hydrology	[Signature]	1-22-91			
DRAWING NO. 2462		MAP NO.		SHEET 15 OF 44	
WILSON & COMPANY ENGINEERS & ARCHITECTS ALBUQUERQUE, NEW MEXICO					

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	M.C.C.	DATE	NO.	FIELD NOTES	DATE	NO.	REVISIONS
INSPECTOR'S	C.O.A.	DATE	NO. <td>BY</td> <td>DATE</td> <td>NO. <td>REMARKS</td> </td>	BY	DATE	NO. <td>REMARKS</td>	REMARKS
FIELD	C.O.A.	DATE	NO. <td>BY</td> <td>DATE</td> <td>NO. <td>REMARKS</td> </td>	BY	DATE	NO. <td>REMARKS</td>	REMARKS
VERIFICATION BY	C.O.A.	DATE	NO. <td>BY</td> <td>DATE</td> <td>NO. <td>REMARKS</td> </td>	BY	DATE	NO. <td>REMARKS</td>	REMARKS
CORRECTED BY	W.C.E.A.	DATE	NO. <td>BY</td> <td>DATE</td> <td>NO. <td>REMARKS</td> </td>	BY	DATE	NO. <td>REMARKS</td>	REMARKS
MICRO-FILM INFORMATION		RECORDED BY		DESIGNED BY SFP		DATE	
				DRAWN BY MPS		DATE	
				CHECKED BY SJM		DATE	



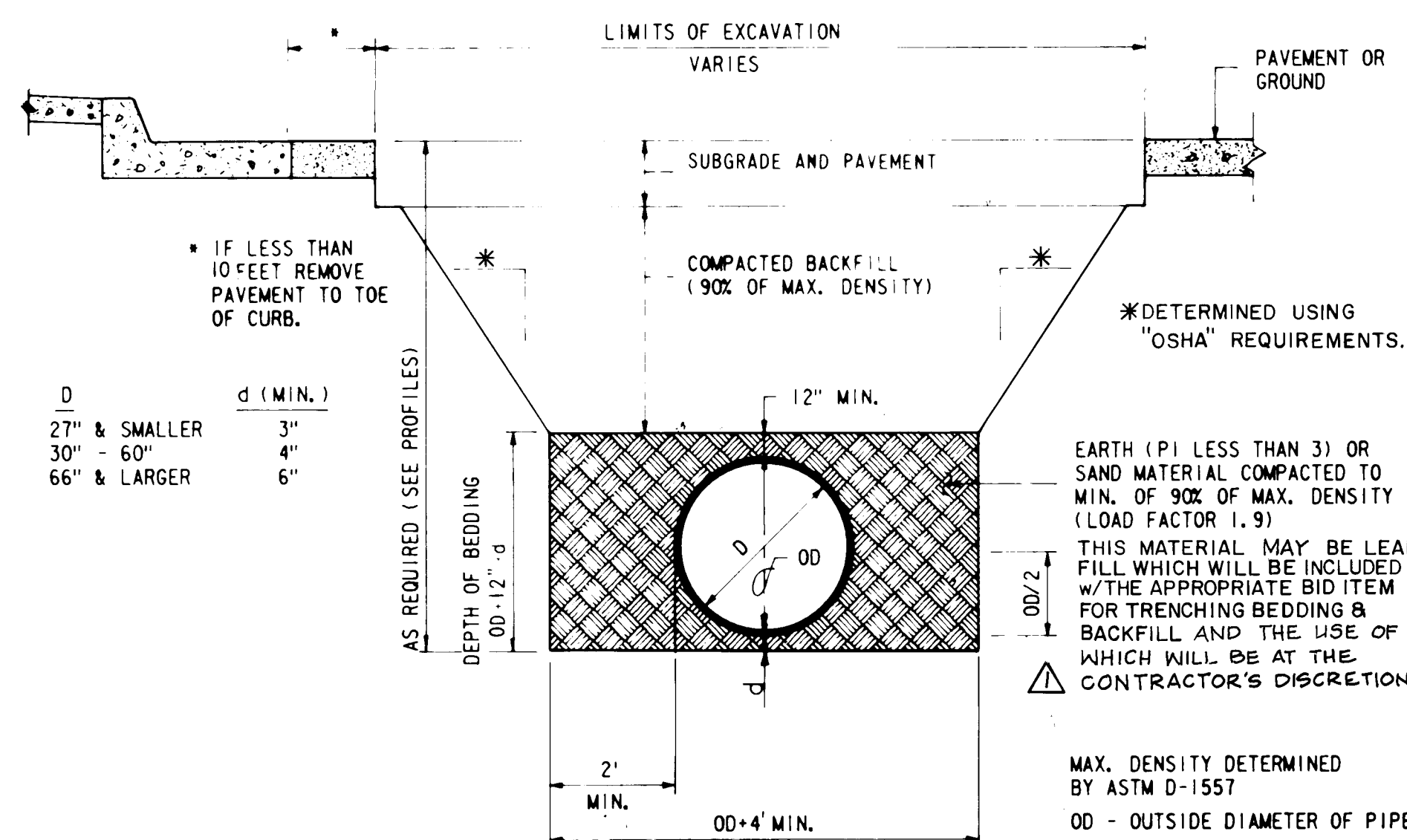
PARTIAL PLUG



TYPICAL PIPE PLUG

NOT TO SCALE

NOTE: USE ON ALL LINES OF 12\"/>



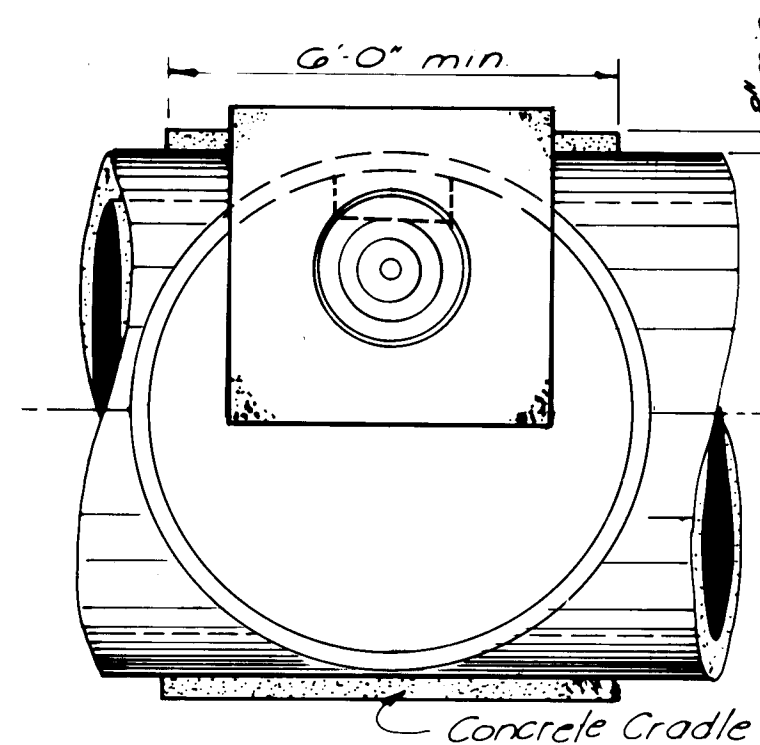
TYPICAL TRENCH EXCAVATION

AND BEDDING

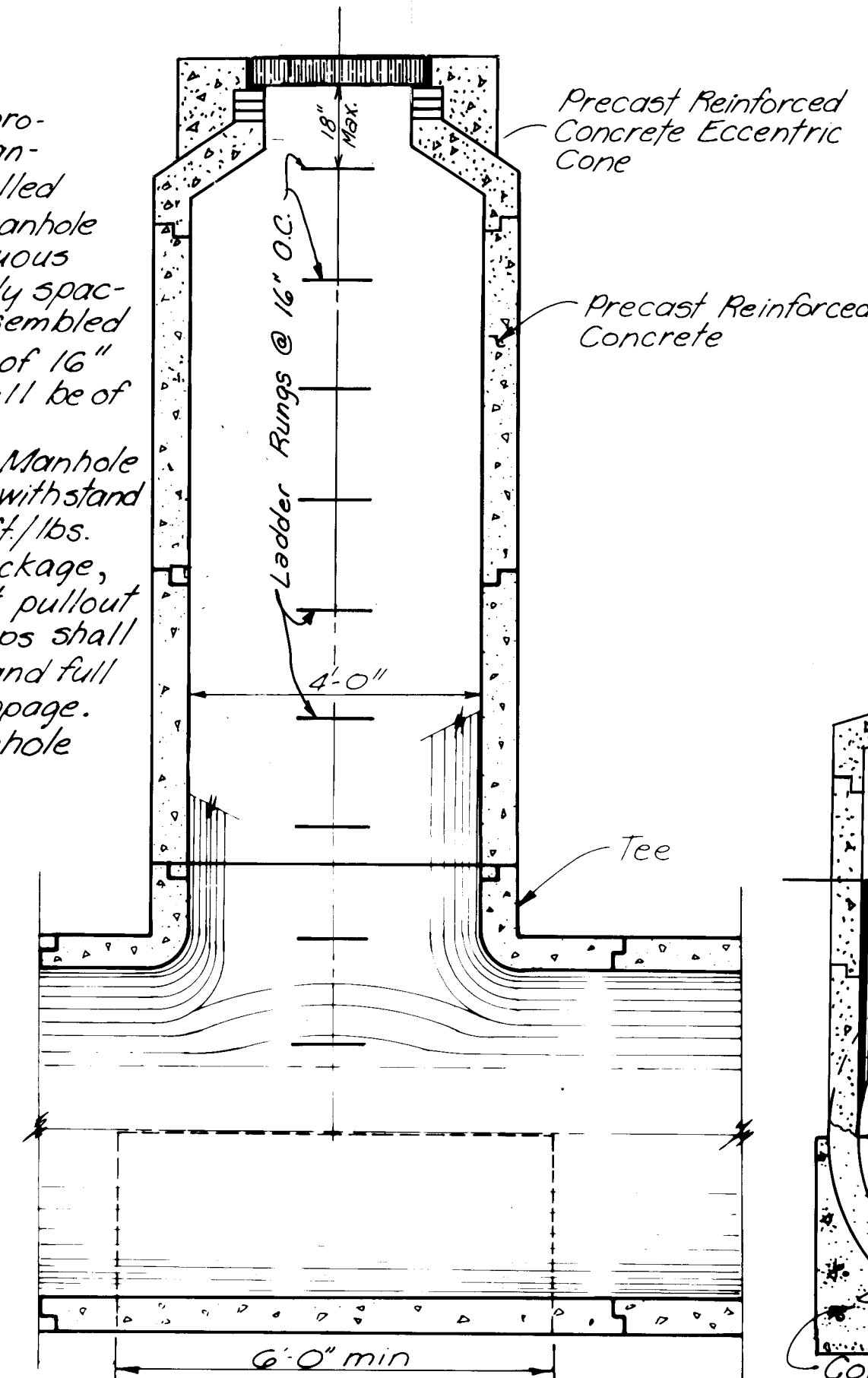
NOT TO SCALE

Note:

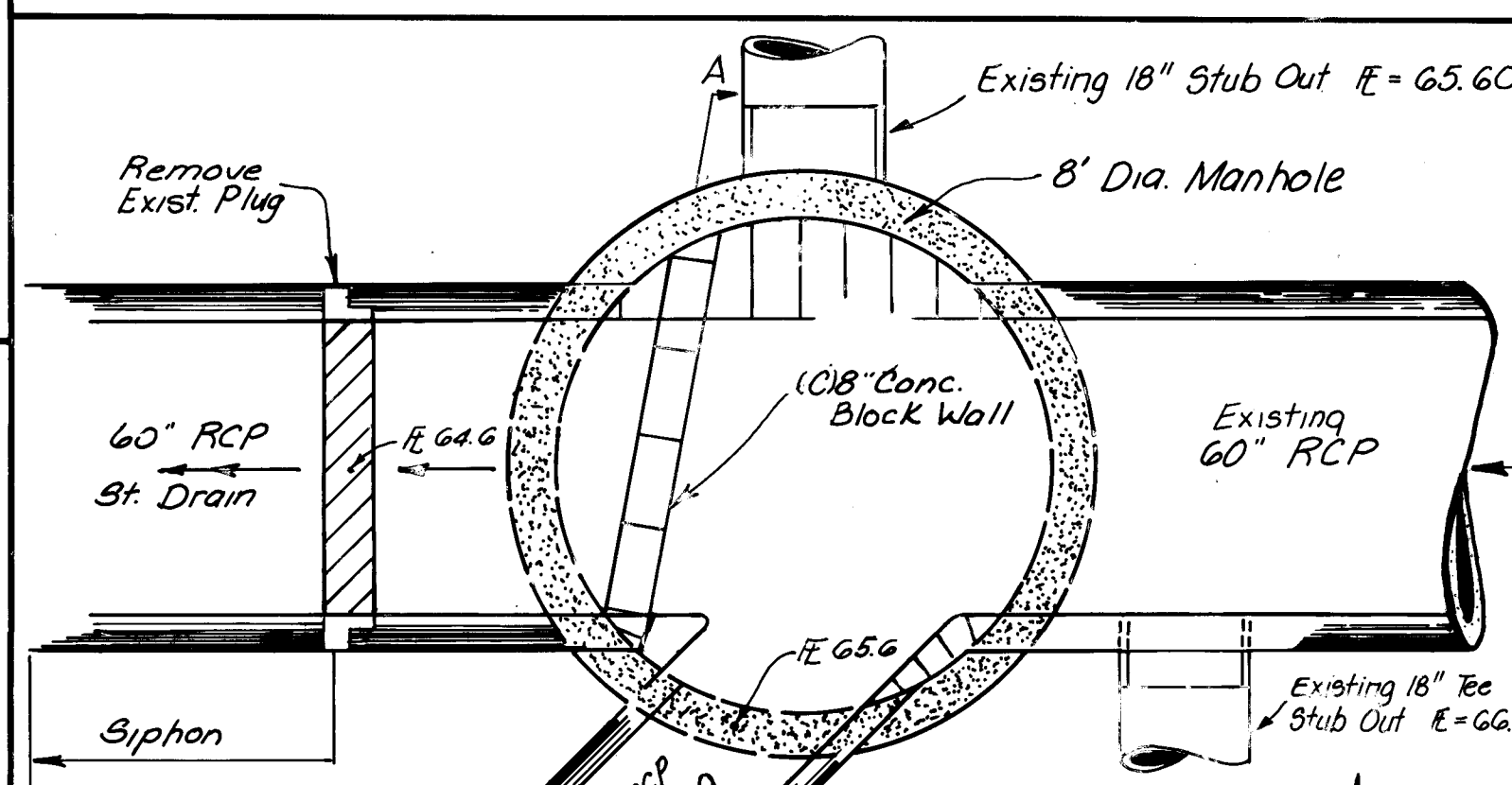
Manhole steps shall be provided in all manholes. Manhole steps shall be installed in each section of the manhole so as to form a continuous ladder of rungs equally spaced vertically in the assembled manhole at a distance of 16\"/>



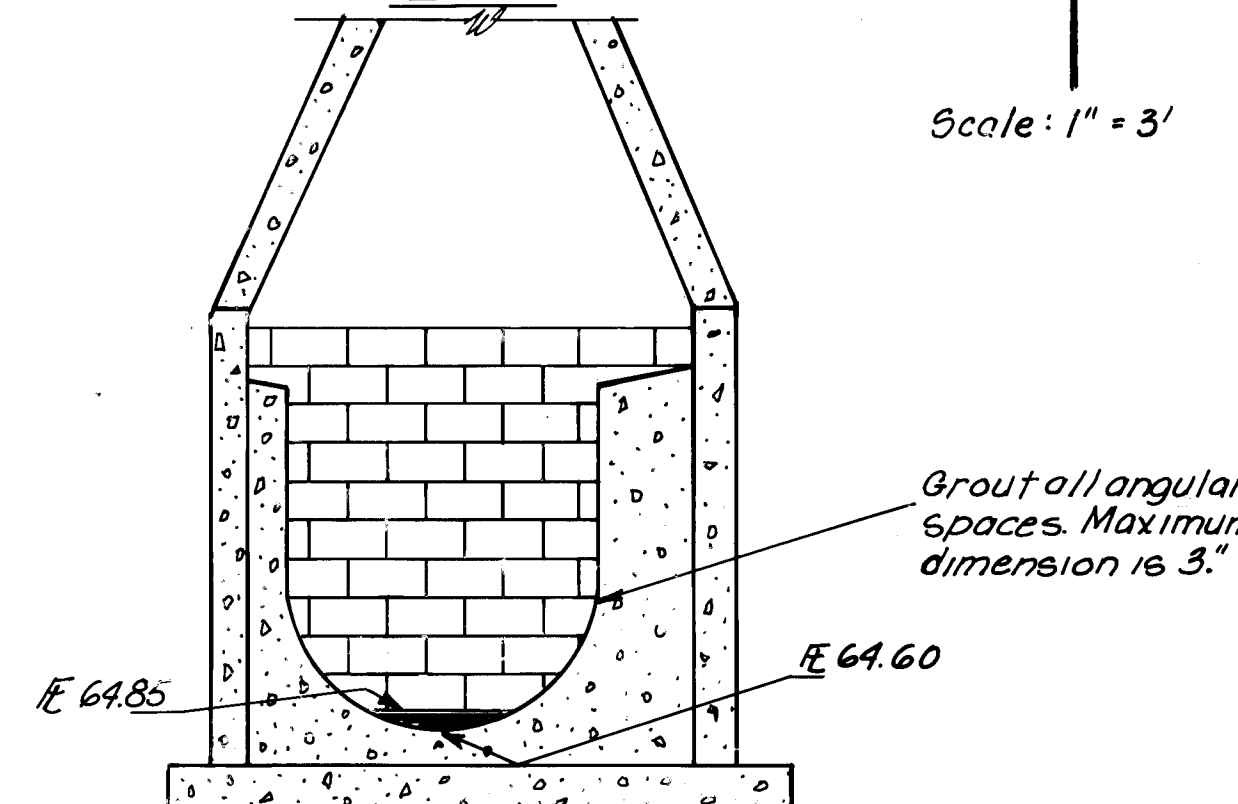
PLAN



STORM SEWER
TEE MANHOLE



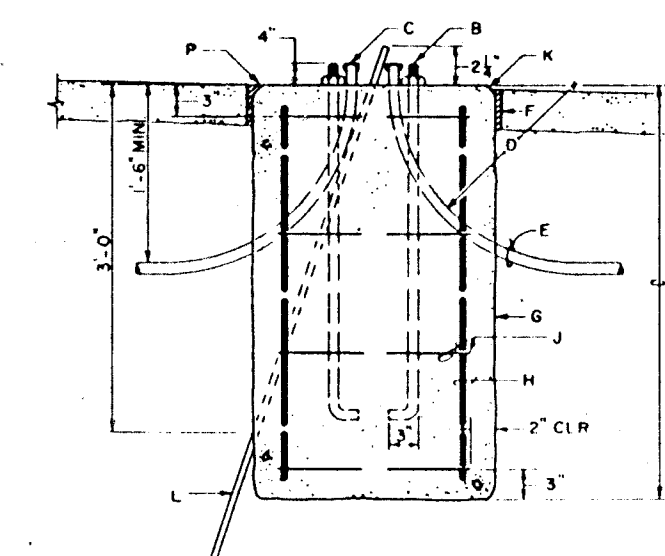
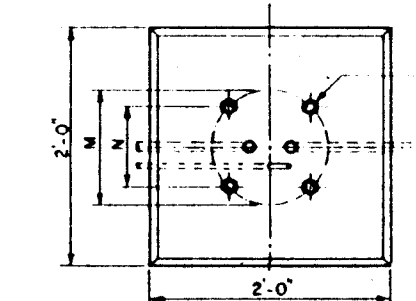
PLAN



MASONRY PLUG DETAIL

Sta. 164 +16

FOUND TYPE	INSTALLATION	A	B	M	N
I	UNDERGROUND OR OVERHEAD 5°	3'-6"	3'-0"	11½"	6"
II	OVERHEAD WITH 5°-25° DEFLECTION	5'-6"	5'-0"	11½"	6"
DAVIT	40 DAVIT STYLE W/ 45° DEFLECTION	4'-0"	4'-0"	12"	6"



STREET LIGHT FOUNDATION
DETAIL

* All Foundations shall be "Type I" installations.

GENERAL NOTES:

1. STREET LIGHT FOUNDATION TYPES AND LOCATIONS SHALL BE AS SHOWN ON PROJECT PLANS.
2. TYPE I AND II FOUNDATIONS ARE FOR STANDARD 30\"/>
3. DAVEY TYPE FOUNDATION IS FOR 40\"/>

CONSTRUCTION NOTES:

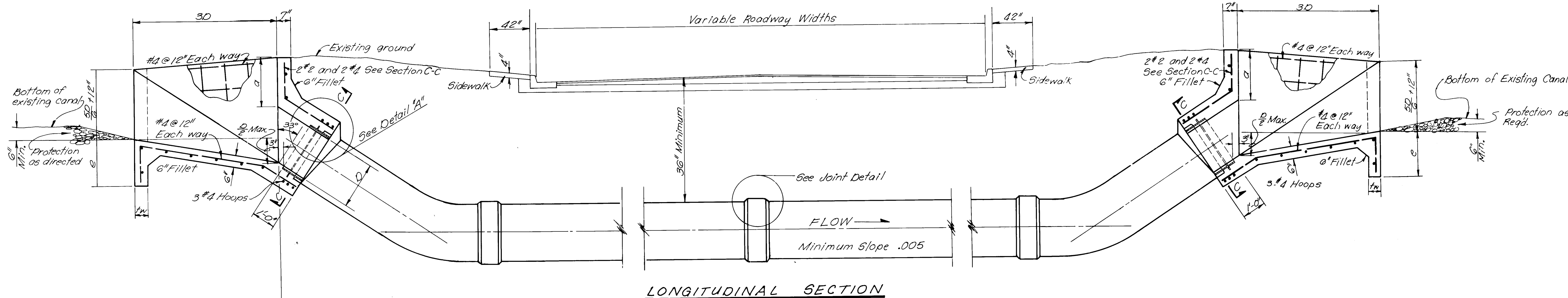
- A. FOUNDATION HEIGHT, PER INSTALLATION TABLE
- B. 1\"/>
- C. WEATHERPROOF CAP, TYPICAL.
- D. 18\"/>
- E. CONDUIT, SIZE PER PLANS.
- F. 1/2\"/>
- G. 3,000 PSI P.C. CONCRETE.
- H. #6 REBAR AT EACH CORNER.
- I. #4 TIES AT 12\"/>
- J. 3/4\"/>
- K. 5/8\"/>
- L. BOLT CENTER TO CENTER.
- M. BOLT SPACING.
- N. TOP OF FOUNDATION SHALL BE LEVEL AND FINISH WITH HIGHEST ADJACENT STORMWATER GRADE.

6\"/>

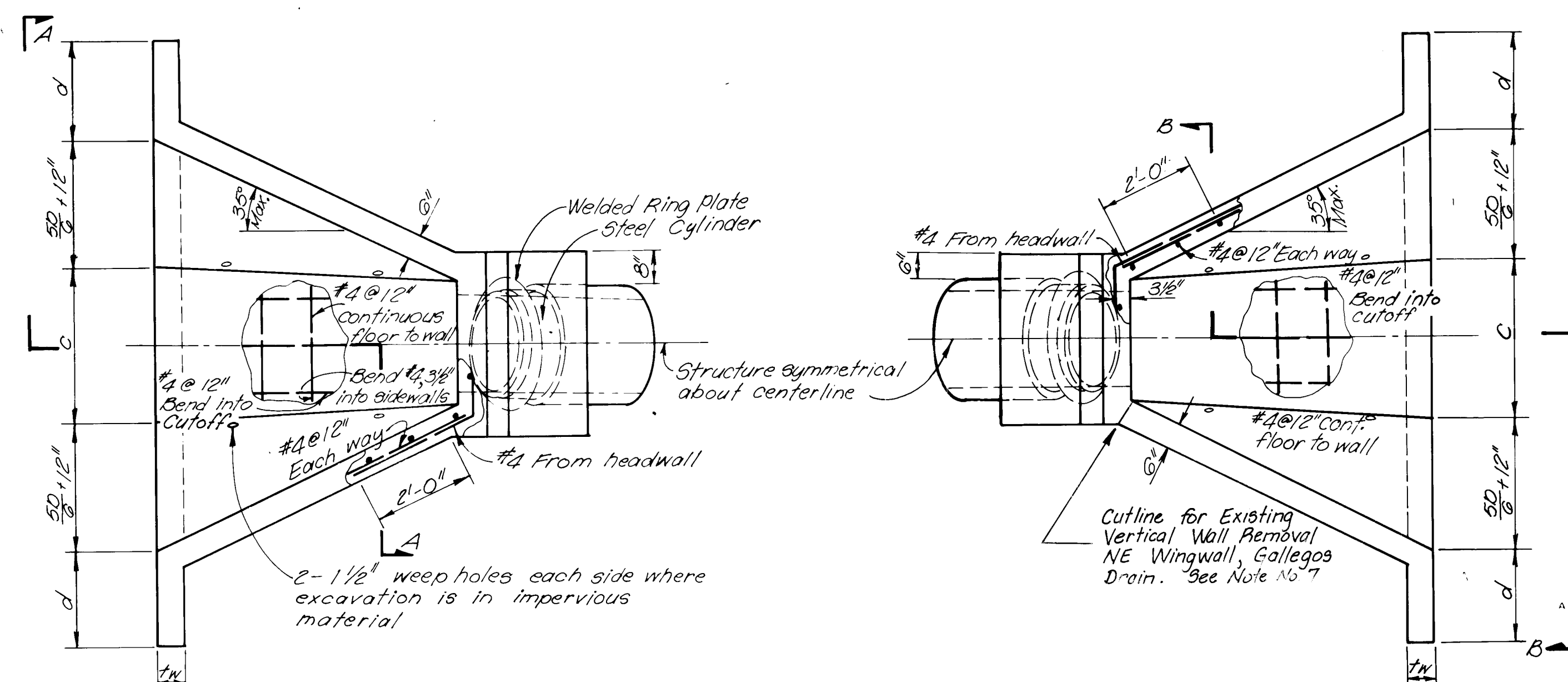
26 24 62 16 94

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD					
STORM SEWER TEE MANHOLE & MISC. DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	Ray A. Brown	1-24-91	Water	JKL	1-23-91
Transportation	N/A	1-22-91	Waste Water	JKL	"
Hydrology	JKL	1/22/91			
DRAWING NO.	2462	MAP NO.	SHEET	OF	
			16	44	

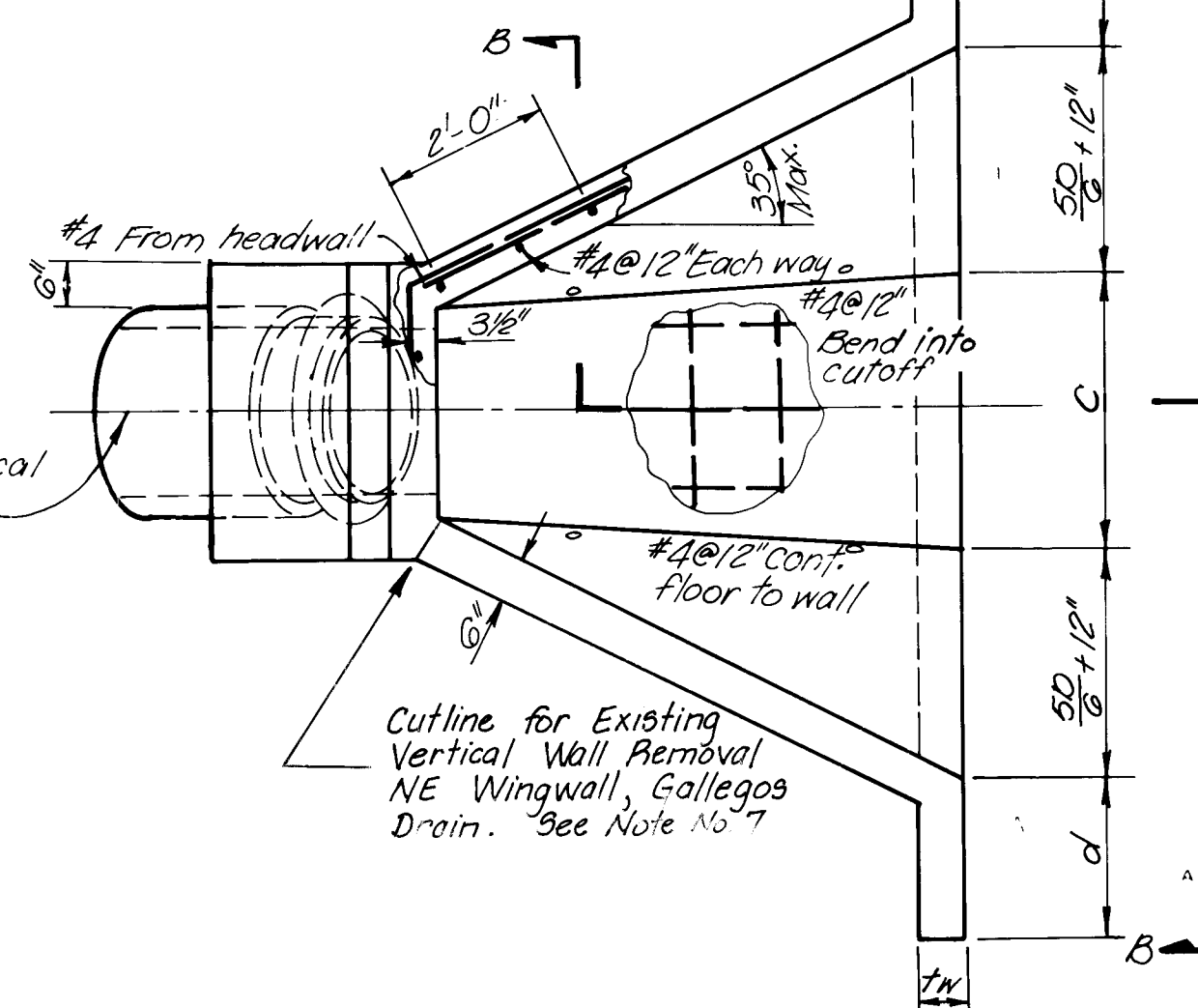
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO



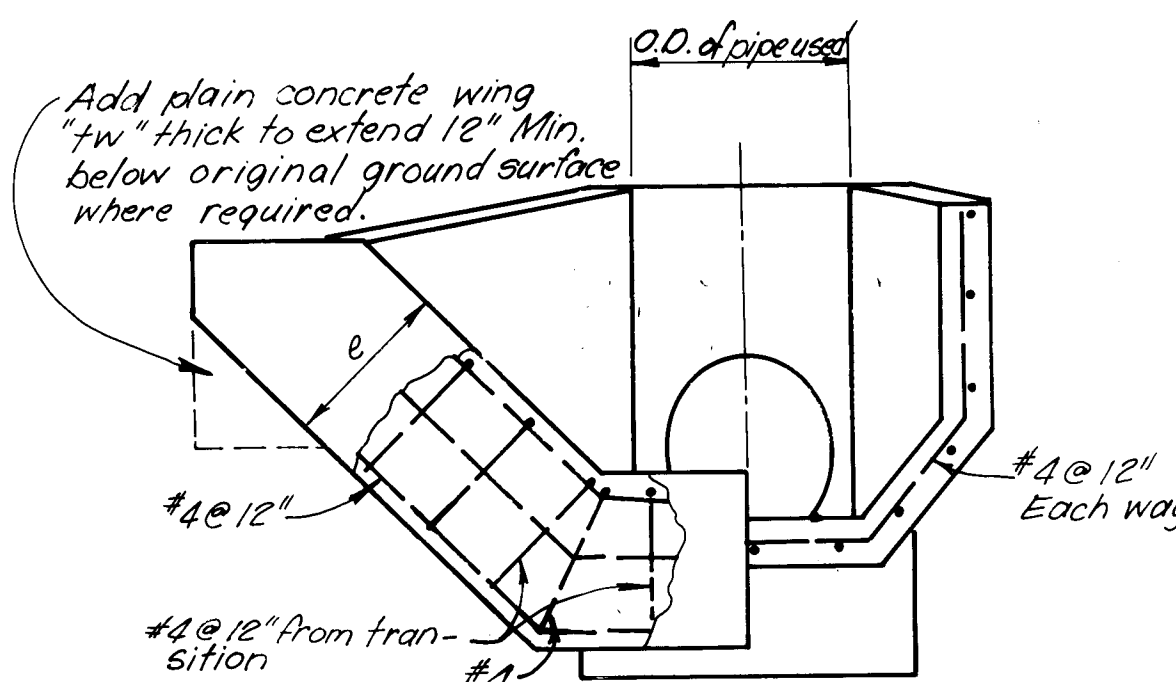
LONGITUDINAL SECTION
Not to Scale



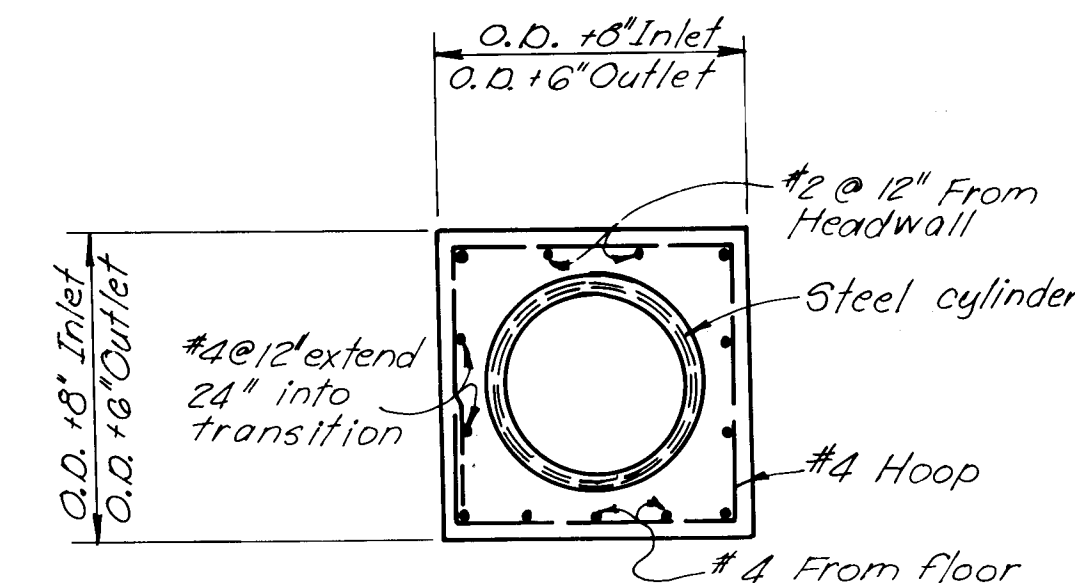
PLAN - INLET TRANSITION
Not to Scale



PLAN - OUTLET TRANSITION
Not to Scale



SECTIONS A-A AND B-B
Not to Scale

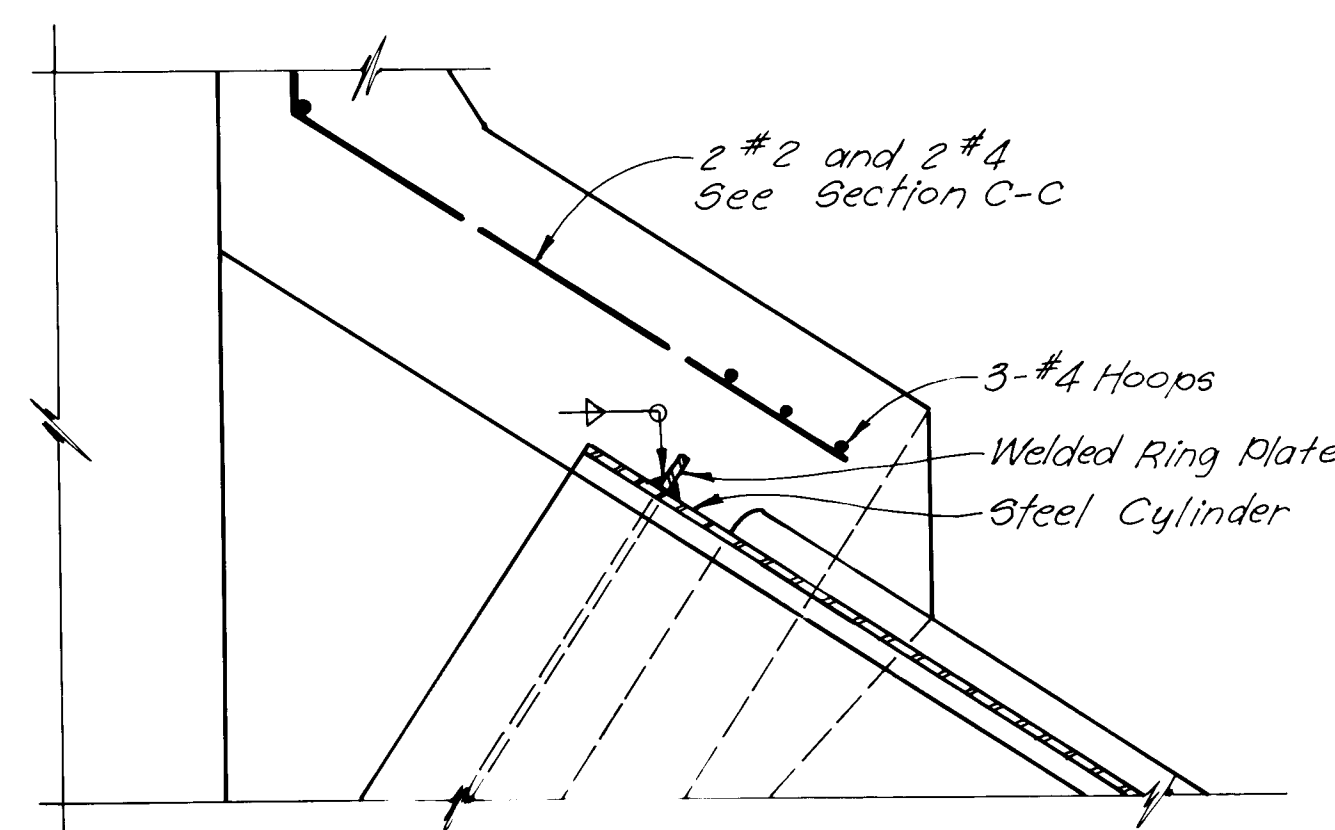


SECTION C-C
Not to Scale

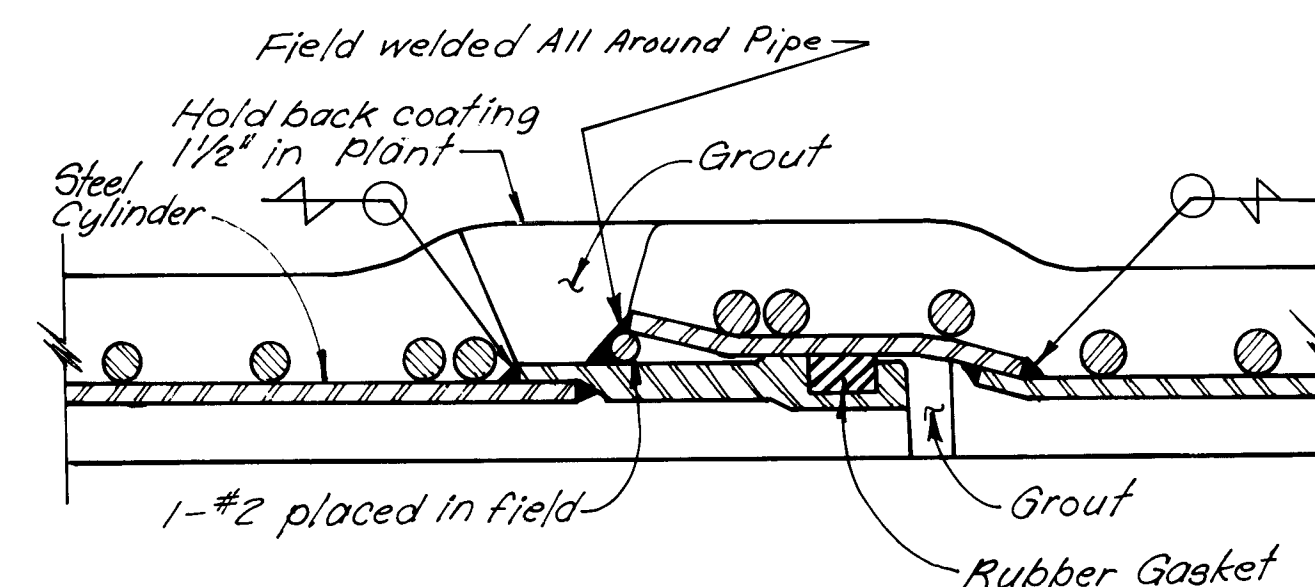
NOTES:

1. All reinforcement in monolithic concrete shall be placed so that the centers of bars in the outer layer will be 2" from outer face, unless otherwise shown.
2. Lap all bars 20 diameters at splices.
3. Berms may be necessary at either or both headwalls to suit actual laying length of pipe.
4. Values of 'c' as given in table of dimensions may be changed as Approved if 35" max. transition wall divergence is not exceeded.
5. Chamfer all exposed corners 3/4".
6. Pipe may be Steel Cylinder or Low Pressure Reinforced Concrete Waterpipe with Amseal joint or equal.
7. Contractor to Sawcut and Remove Existing Wingwall. Allow 2' Min. Rebar Overlay to tie in New Vertical Wall. Contractor to Seal Joint with an Epoxy Bond Coat.

TABLE OF DIMENSIONS					
D	a	c	d	e	tw
18"	2'-4"	2'-4"	18"	18"	6"
24"	2'-2"	3'-2"	24"	24"	6"
30"	2'-6"	4'-0"	2'-6"	2'-6"	8"
36"	2'-8"	4'-10"	2'-6"	2'-6"	8"
42"	2'-10"	5'-8"	2'-6"	2'-6"	8"
48"	3'-0"	6'-6"	2'-6"	2'-6"	8"
54"	3'-0"	7'-4"	2'-6"	2'-6"	8"
60"	3'-0"	8'-2"	2'-6"	2'-6"	8"
72"	3'-0"	9'-10"	2'-6"	2'-6"	8"
84"	3'-0"	11'-6"	2'-6"	2'-6"	8"



DETAIL "A"
Not to Scale



RESTRAINED JOINT DETAIL FOR CCP
Not to Scale

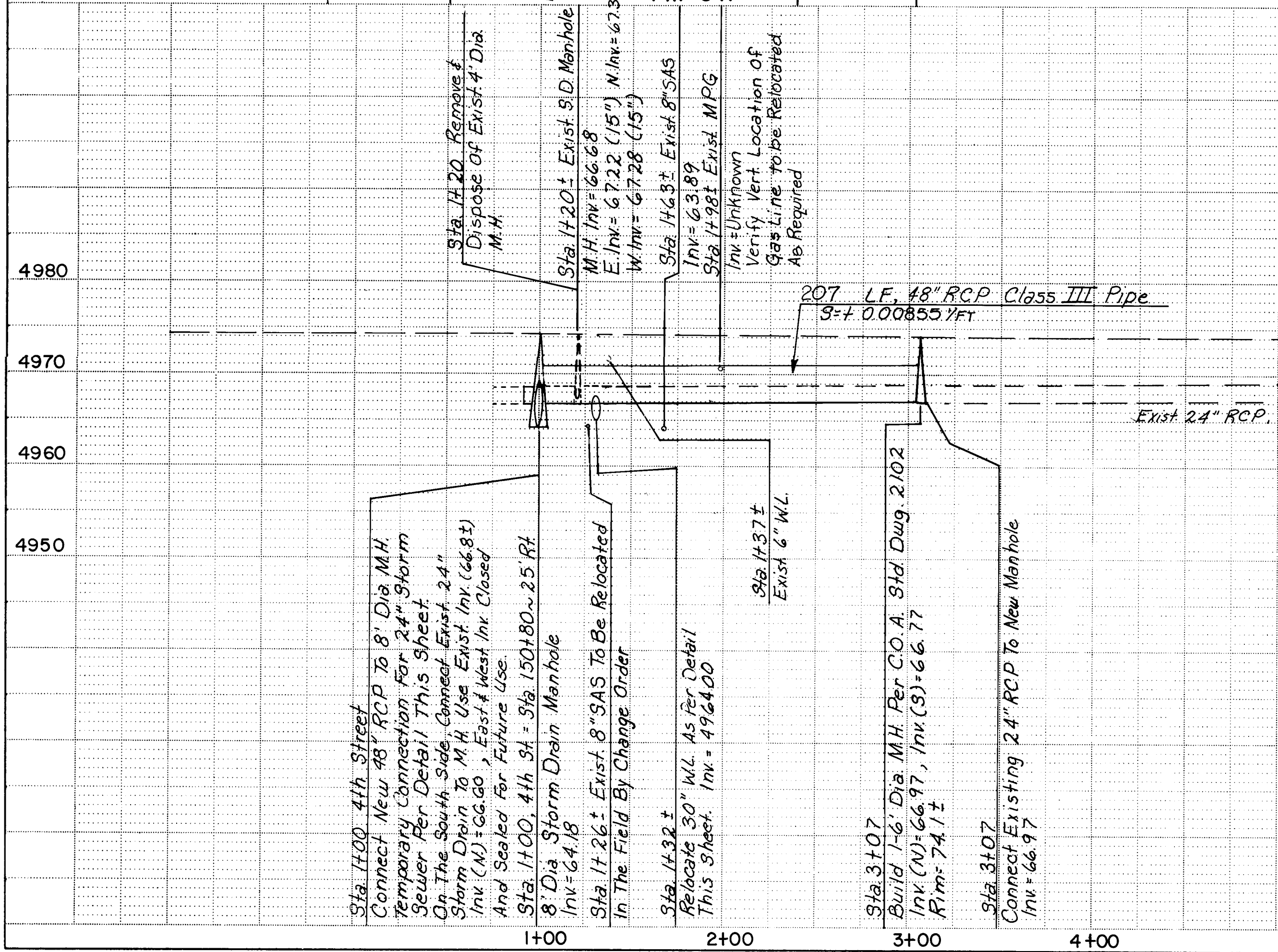
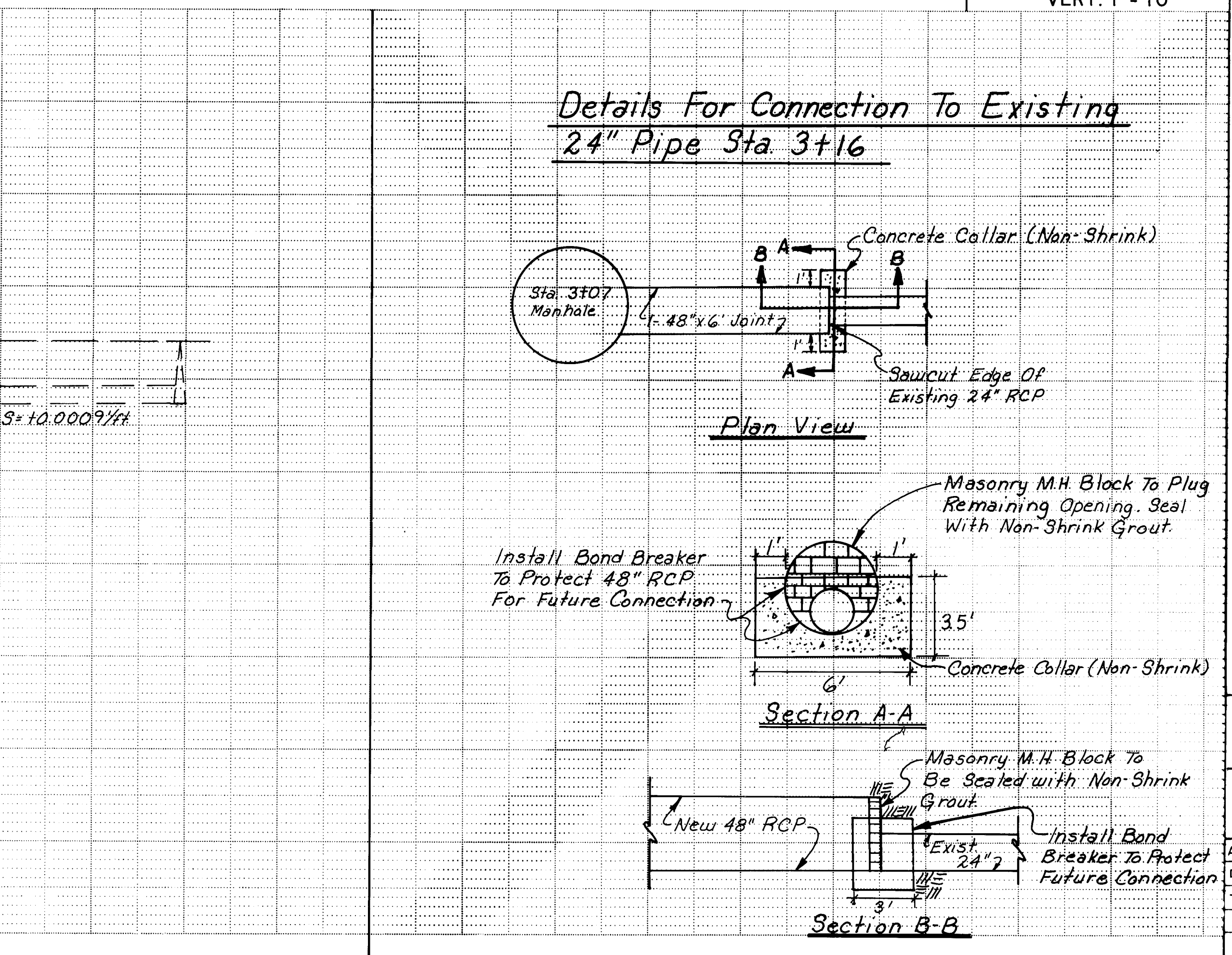
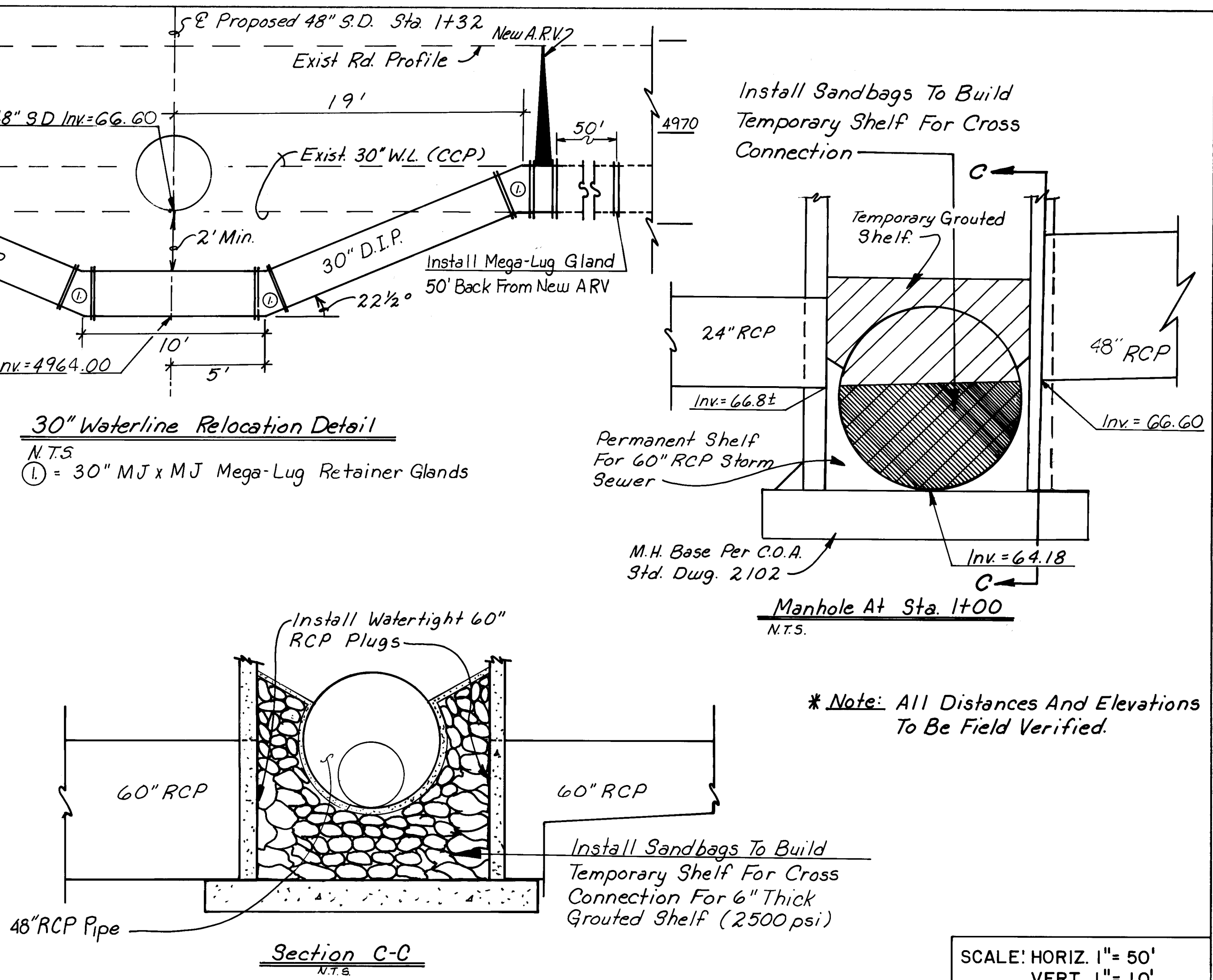
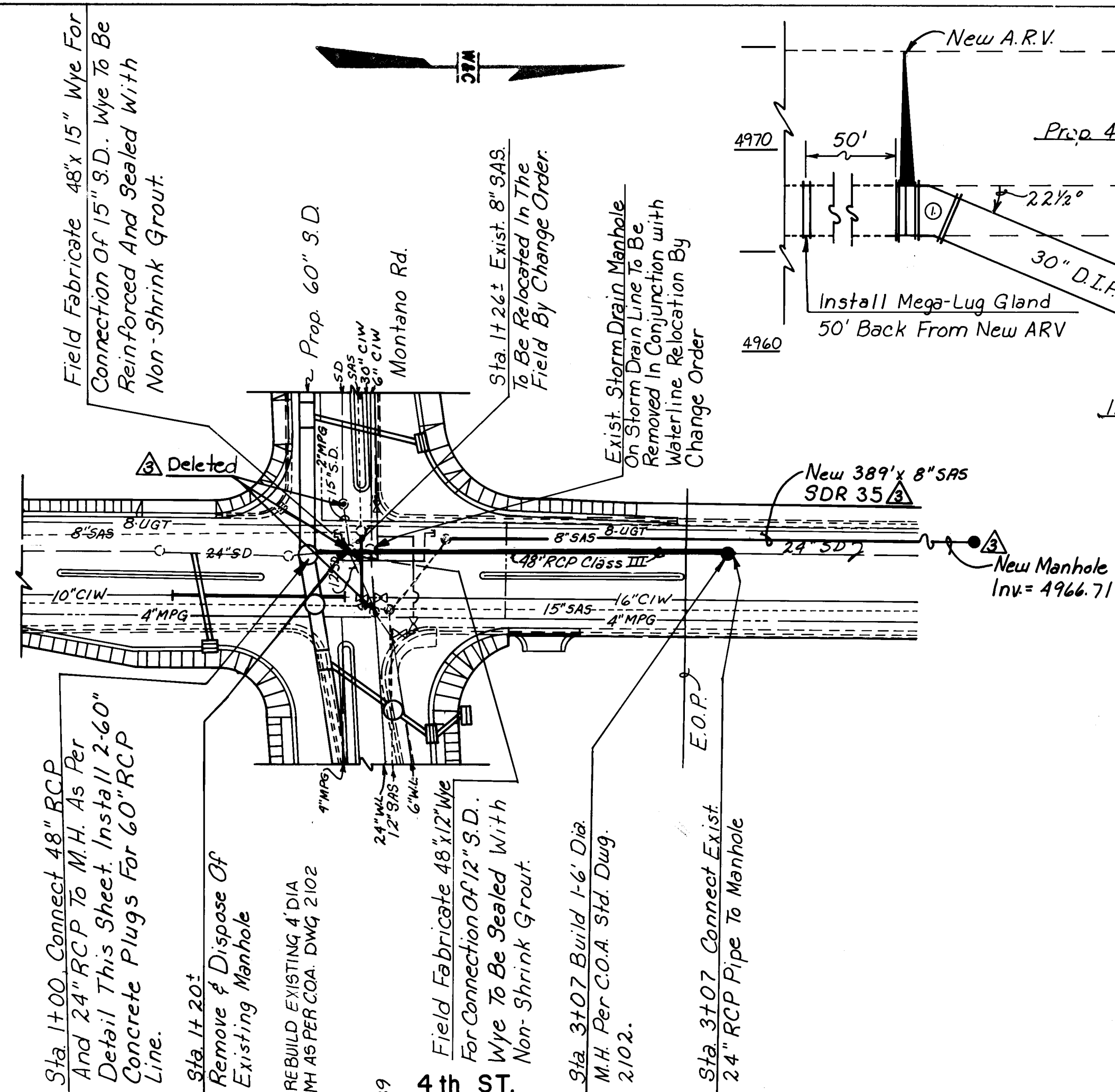
26 24 62 17 9 4

RECORD DRAWING
DATE 5/5/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD—FOURTH TO SECOND STREET STORM DRAIN—SIPHON AND STEEL JOINT DETAIL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	Don J. Green	1-24-91	Water	Don J. Green	1-25-91
Transportation	Don J. Green	1-22-91	Waste Water	Don J. Green	"
Hydrology	Don J. Green	1/22/91			
DRAWING NO.	2462	MAP NO.	SHEET 17	OF 44	

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

85-51



AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACT NO.	M.C.C.	DATE	T.B.M. 85-517-5 Elev=4974.33	City Bench Mark 2-F-14 A Chiseled "Q"	DATE	NO.	BY	DATE	1	2	3
				On Top Of Concrete Curb At The N.E. Curb Return At The Intersection Of 4th St And Montano.					1	2	3
MICRO-FILM INFORMATION			RECORD BY			REVISIONS			REVISIONS		
RECORDED BY			DATE			NO.			DATE		
NO.			DATE			NO.			DATE		

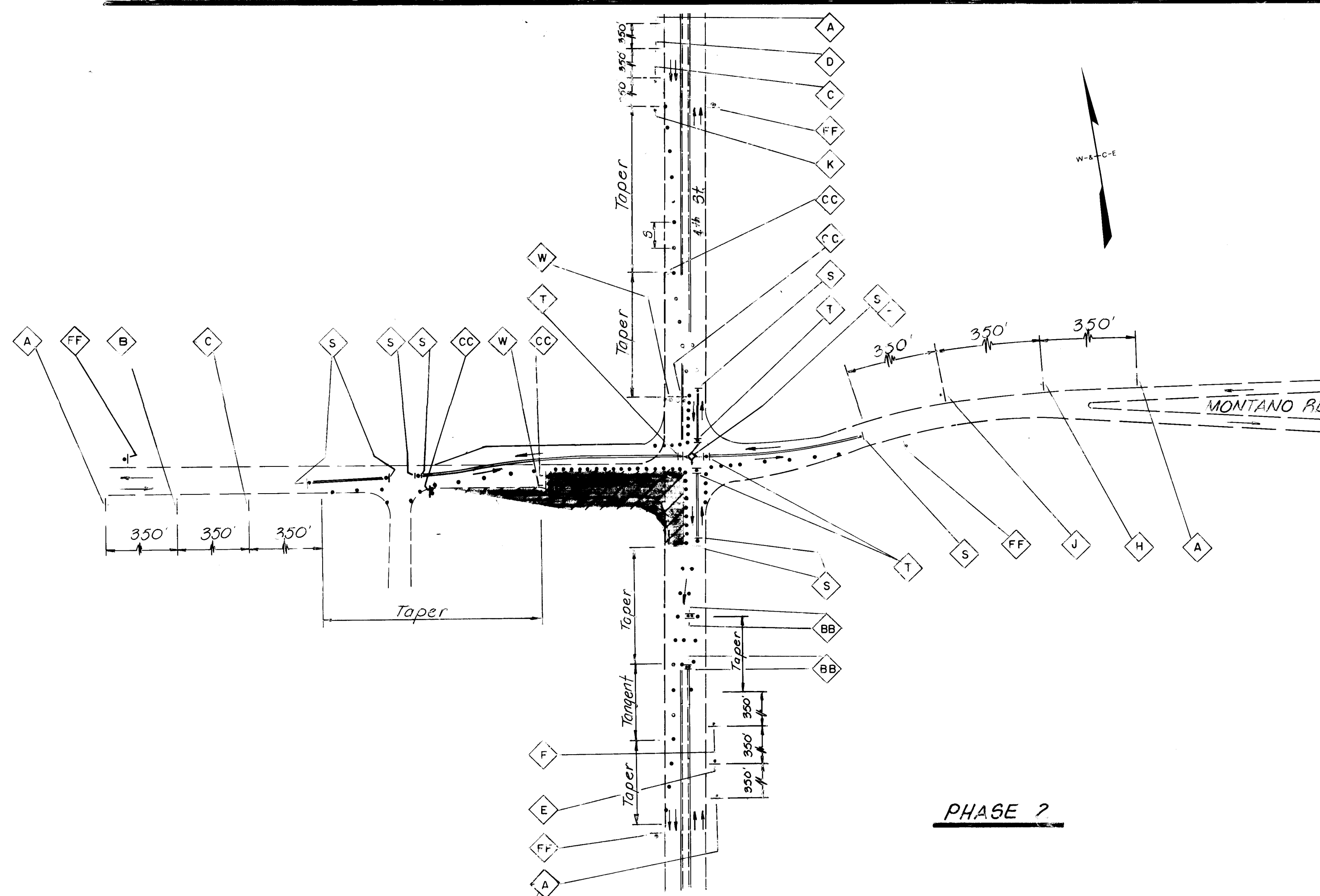
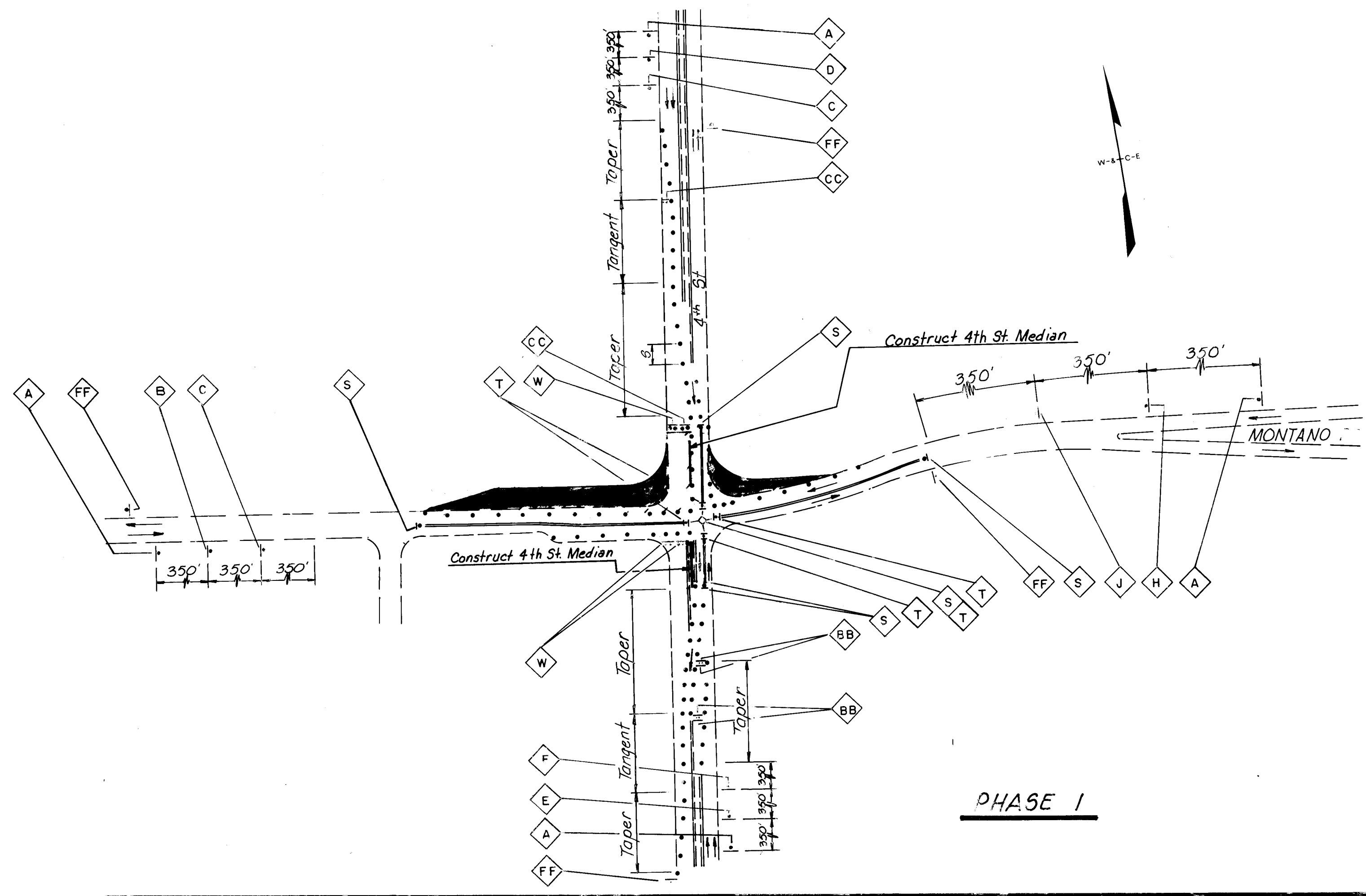
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD MONTANO RD. and FOURTH ST. INTERSECTION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	8/28/91	WATER	<i>[Signature]</i>	8-28-91
TRANSPORTATION	<i>[Signature]</i>	8/22/91	WASTE WATER	<i>[Signature]</i>	"
HYDROLOGY	<i>[Signature]</i>	8/29/91			

DRAWING NO.	2462	MAP NO.	F-14	SHEET	17A	OF	44
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WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

TRAFFIC CONTROL REQUIREMENTS

- The Traffic Control Plans incorporated into the Construction Plans are provided as a conceptual schematic showing possible phases only.
- The Contractor will be required to provide a Detailed Traffic Control Plan that includes the use of temporary signalization at 4th Street and Montano Rd., and that meets the requirements of the MUTCD. The plan should show all dimensions for lane widths, crossovers, work areas, sign locations, etc. Additionally all reference to signs as shown on the Traffic Control Plan shall be by use of MUTCD sign codes.
- A separate Traffic Control Plan will be required for each phase and is to be submitted to the Construction Coordination Engineer a minimum of 10 working days prior to the start of each phase. The Construction Coordination Engineer may be contacted at 768-2551.
- Payment for preparing the Traffic Control Plan; for installing, removing and maintaining traffic control devices; and for providing temporary striping will be paid for under Contract Bid Item No. 104 on a lump sum basis. Some exceptions are noted in Paragraph E below.
- When necessary for traffic control, Contract Bid Items may be used for temporary purposes such as asphalt pavement placement and removal, as long as the specifications for those items are adhered to where possible. Removing existing structures and replacing them with new structures such as curb and gutter are also examples of Contract Bid Items that might be needed and used for traffic control. All such work will be paid for at contract unit prices.



PHASING NOTES - STAGE 1

Phase 1

- While maintaining the existing traffic pattern at 4th Street and Montano, construct as much of the curbing, sidewalk, and new signalization as possible for the entire intersection. Access to all businesses to be maintained at all times.
- Using the typical lane closures shown on Sheets 26 and 27, the Contractor will install a temporary span wire signal system as shown on Sheet 28. The Contractor shall maintain the temporary signal system throughout all phases of construction until the entire new signal system for the intersection is completely operational.
- Install 6' x 4' black and orange plywood signs 300' north and 300' south of Montano along Rio Grande Boulevard, 300' east of 2nd Street, 300' north of Osuna, and 300' south of Griegos. Sign shall state: "NO LEFT TURN AT MONTANO AND 4TH, SEEK ALTERNATIVE ROUTE".
- Close the northwest quadrant for construction for no more than 12 calendar days by using the typical quadrant closure shown on Sheet 25 and the lane closure schematic shown on this sheet.
- Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe 4th Street and Montano as per plans so that one thru-lane is maintained in each direction with no left turn allowed.
- Complete all construction pertaining to the northwest quadrant from Station 147+70 to Station 150+92.
- Using the traffic control schematic shown on this sheet for Phase 1, construct temporary asphalt from Station 151+36 to Station 153+11 in the northeast quadrant.
- For each phase of construction, the Contractor will install and maintain an estimated G access signs for affected local businesses as directed by the Project Engineer.
- Construct median on 4th street both north & south of its intersection with Montano Road.

PHASING NOTES - STAGE 1

Phase 2

- Close the southwest quadrant for construction for no more than 12 calendar days by using the typical quadrant closure shown on Sheet 25 and the lane closure schematic shown on this sheet.
- Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe 4th Street and Montano as per plans so that one thru-lane is maintained in each direction with no left turn allowed. Contractor shall use vertical panels in place of temporary yellow striping whenever the final pavement is in place.
- Complete all construction pertaining to the southwest quadrant from Station 147+70 to Station 150+92.
- Install and maintain an estimated G access signs for affected local businesses as directed by the Project Engineer.

General Note

- At no time shall both 2nd & 4th Streets be effected by Construction.

NOTE: FOR VALUES OF "S" SEE SHEET NO. 27
 [REDACTED] AREAS TO BE CONSTRUCTED

C of A PWD Maps & Records
 26 2462 1894

RECORD DRAWING
 DATE 5/5/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP				
MONTANO ROAD - FOURTH TO SECOND ST TRAFFIC CONTROL PLANS - STAGE 1				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
DRC Chairman	Ray A. [Signature]	1-24-91	Water	[Signature]
Transportation	N/A [Signature]	1-22-91	Waste Water	N/A [Signature]
Hydrology	[Signature] N/A			
DRAWING NO. 2462		MAP NO.	SHEET	OF 18

WILSON & COMPANY
 ENGINEERS & ARCHITECTS
 ALBUQUERQUE NEW MEXICO

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	MCC			NO	BY	DATE	
WORK ORDER BY	C.O.A.						
INSPECTOR'S							
ACCEPTANCE BY	C.O.A.						
DATE	4/92						
VERIFICATION BY	C.O.A.						
DATE	4/92						
DRAWINGS							
ISSUED BY	W.C.E.A.						
DATE	4/92						
MICRO-FILM INFORMATION							



20-91 ADDENDUM #1
 NO. DATE
 REMARKS
 REVISIONS
 WILSON & COMPANY, ENGINEERS & ARCHITECTS

Add Signs 6'x4' Plywood
Black & Orange 300' South
of Griegos, 300' North of
Osuna, 300' East of Edith, &
300' West of 4th St.

No LEFT TURN
at MONTANO & 2nd
Seek Alternative Route
6'



TRAFFIC CONTROL REQUIREMENTS

- The Traffic Control Plans incorporated into the Construction Plans are provided as a conceptual schematic showing possible phases only.
- The Contractor will be required to provide a Detailed Traffic Control Plan that includes the use of temporary signalization at 4th Street and Montano Rd., and that meets the requirements of the MUTCD. The plan should show all dimensions for lane widths, crossovers, work areas, sign locations, etc. Additionally all reference to signs as shown on the Traffic Control Plan shall be by use of MUTCD sign codes.
- A separate Traffic Control Plan will be required for each phase and is to be submitted to the Construction Coordination Engineer a minimum of 10 working days prior to the start of each phase. The Construction Coordination Engineer may be contacted at 768-2551.
- Payment for preparing the Traffic Control Plan; for installing, removing and maintaining traffic control devices; and for providing temporary striping will be paid for under Contract Bid Item No. 104 on a lump sum basis. Some exceptions are noted in Paragraph E below.
- When necessary for traffic control, Contract Bid Items may be used for temporary purposes such as asphalt pavement placement and removal, as long as the specifications for those items are adhered to where possible. Removing existing structures and replacing them with new structures such as curb and gutter are also examples of Contract Bid Items that might be needed and used for traffic control. All such work will be paid for at contract unit prices.

Use Double Yellow Stripe (Temporary)
to Divide Traffic and Vertical Panels
in Place of Temporary Yellow Striping
Whenever the Final Pavement is in Place

Note: If Storm Sewer Siphon and Gallegos
Lateral are Constructed at a later date,
do not Construct in Areas Which may
be in Conflict with this Future Const.

On Transitions - All Diff. Elevations
will be Tapered to match with a 50:1
Asphalt Transition

PHASING NOTES - STAGE 2

Phase 1

- While maintaining the existing traffic pattern at 2nd Street and Montano, construct as much of the curbing, sidewalk, and signalization as possible for the entire intersection. Access to all businesses to be maintained at all times. If storm sewer siphon and Gallegos Lateral siphon are constructed at a later date, do not construct in areas of conflict with future construction. See Stage 3 schematic.

- Using the typical lane closures as shown on Sheet 26, construct the southwest quadrant signal mastarm and connect to existing system. Contractor shall maintain existing signal system throughout all phases of construction until the entire new signal system for the intersection is completely operational.

- Using the typical lane closure and flagging operations shown on Sheets 26 and 27, construct temporary median crossovers 300 feet east and 700 feet north of the 2nd Street intersection as shown on the Phase 1 quadrant closure sheet.

- Install 6' x 4' black and orange plywood signs 300' south of Griegos, 300' north of Osuna, 300' east of Edith, and 300' west of 4th Street. Sign shall state: "NO LEFT TURN AT MONTANO AND 2ND, SEEK ALTERNATIVE ROUTE".

- Close the southwest quadrant for construction for no more than 12 calendar days by using the typical quadrant closure shown on Sheet 25 and the lane closure schematic shown on this sheet.

- Remove all existing striping that would conflict with the temporary striping pattern for this phase. Strip 2nd Street and Montano as per plans so that one thru-lane is maintained with no left turn allowed. Contractor shall use vertical panels in place of temporary yellow striping whenever the final pavement is in place.

- Complete all construction pertaining to the southwest quadrant from Station 156+12 to Station 164+77 along Montano and from Station 42+47 to Station 50+08 along 2nd Street.

- For each phase of construction, the Contractor will install and maintain access signs for local businesses as directed by the Project Engineer.

- Two access signs estimated for Stage 2 construction.

General Note

1) At no time shall both 2nd & 4th Streets be effected by Construction.

NOTE: FOR VALUES OF "S" SEE SHEET NO. 27

AREAS TO BE CONSTRUCTED

AS BUILT INFORMATION	
NO.	DATE
1	1-24-91
2	1-22-91
3	1-22-91
4	1-22-91
5	1-22-91
6	1-22-91
7	1-22-91
8	1-22-91
9	1-22-91
10	1-22-91
11	1-22-91
12	1-22-91
13	1-22-91
14	1-22-91
15	1-22-91
16	1-22-91
17	1-22-91
18	1-22-91
19	1-22-91
20	1-22-91

BENCH MARKS

REVISIONS



NO.	DATE	REVISION
1	1-24-91	APPENDIX #1
2	1-22-91	APPENDIX #1
3	1-22-91	APPENDIX #1
4	1-22-91	APPENDIX #1
5	1-22-91	APPENDIX #1
6	1-22-91	APPENDIX #1
7	1-22-91	APPENDIX #1
8	1-22-91	APPENDIX #1
9	1-22-91	APPENDIX #1
10	1-22-91	APPENDIX #1
11	1-22-91	APPENDIX #1
12	1-22-91	APPENDIX #1
13	1-22-91	APPENDIX #1
14	1-22-91	APPENDIX #1
15	1-22-91	APPENDIX #1
16	1-22-91	APPENDIX #1
17	1-22-91	APPENDIX #1
18	1-22-91	APPENDIX #1
19	1-22-91	APPENDIX #1
20	1-22-91	APPENDIX #1

Phase 1

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO ROAD—FOURTH TO SECOND
TRAFFIC CONTROL PLANS—STAGE

APPROVALS	ENGINEER	DATE	APPROVALS
DRC Chairman	Reginald	1-24-91	Water
Transportation	NA	1-22-91	Waste Water
Hydrology	NA		

DRAWING NO.	2462	MAP NO.	SHEET
			20

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

RECORD DRAWING
DATE 5/5/92

DATE TWO MAPS & PLAN
2/6/92 2/4/92 2/0/94

Add Signs 6'x4' Plywood
Black & Orange 300' South
of Griegos, 300' North of
Osuna, 300' East of Edith, &
300' West of 4th St.

No LEFT TURN
at MONTANO & 2nd
Seek Alternative Route
6'

PHASING NOTES - STAGE 2

Phase 2

- Close the southeast quadrant for construction for no more than 12 calendar days by using the typical quadrant closure shown on Sheet 25 and the lane closure schematic shown on this sheet.
- Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe 2nd Street and Montano as per plans so that one thru-lane is maintained in each direction with no left turn allowed. Contractor shall use vertical panels in place of temporary yellow striping whenever the final pavement is in place.

General Note

- At no time shall both 2nd & 4th Streets be effected by Construction.

NOTE: FOR VALUES OF "S" SEE SHEET NO. 27
AREAS TO BE CONSTRUCTED

Use Double Yellow Stripe (Temporary)
to Divide Traffic and Vertical Panels
in Place of Temporary Yellow Striping
Whenever the Final Pavement is in Place

On Transitions - All Diff Elevations
Will be Tapered to match with a 50:1
Asphalt Transition

Phase 2

AS BUILT INFORMATION			
DATE	DATE	DATE	DATE
4/92	4/92	4/92	4/92
BY	BY	BY	BY
WILSON	WILSON	WILSON	WILSON

BENCH MARKS

HYDRA

NO



NO.	DATE	REMARKS	BY

City and County of Albuquerque
1 2 3 4 5 6 7 8 9 10 11 12
26 24 6 2 2 1 9 4

RECORD DRAWING
DATE 5/5/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
MONTANO ROAD—FOURTH TO SECOND S TRAFFIC CONTROL PLANS—STAGE			
APPROVALS	ENGINEER	DATE	DATE
DRC Chairman	Reg. 101	1-24-91	Water
Transportation	N/A	1-22-91	Waste Water
Hydrology	N/A		
DRAWING NO	2462	MAP NO	SHEET 21

WILSON COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

Add Signs 6'x4' Plywood
Black & Orange 300' South
of Griegos, 300' North of
Osuna, 300' East of Edith, &
300' West of 4th St.

No LEFT TURN
at MONTANO & 2nd 4'
Seek Alternative Route
G'

Use Double Yellow Stripe (Temporary)
to Divide Traffic and Vertical Panels
in Place of Temporary Yellow Striping
Whenever the Final Pavement is in Place

On Transitions - All Diff. Elevations
Will be Tapered to match with a 50:1
Asphalt Transition

PHASING NOTES - STAGE 2

Phase 3

- Close the northwest quadrant for construction for no more than 12 calendar days by using the typical quadrant closure shown on Sheet 25 and the lane closure schematic shown on this sheet.

- Remove all existing striping that would conflict with the temporary striping pattern for this phase. Strip 2nd Street and Montano as per plans so that one thru-lane is maintained in each direction with no left turn allowed. Contractor shall use vertical panels in place of temporary yellow striping whenever the final pavement is in place.

- Complete all construction pertaining to the northwest quadrant from Station 163+71 to Station 164+49 along Montano and Station 53+39 to Station 51+25 along 2nd Street.

General Note

1. At no time shall both 2nd & 4th Streets be affected by Construction.

NOTE: FOR VALUES OF S SEE SHEET NO. 27

AREAS TO BE CONSTRUCTED

AS BUILT INFORMATION			
MCC.	DATE	DATE	DATE
C.O.A.	4/92	4/92	4/92
C.O.A.	4/92	4/92	4/92
C.O.A.	4/92	4/92	4/92
C.O.A.	4/92	4/92	4/92
C.O.A.	4/92	4/92	4/92
C.O.A.	4/92	4/92	4/92
C.O.A.	4/92	4/92	4/92
C.O.A.	4/92	4/92	4/92
C.O.A.	4/92	4/92	4/92

MICRO-FILM INFORMATION			
DATE	DATE	DATE	DATE
4/92	4/92	4/92	4/92
4/92	4/92	4/92	4/92
4/92	4/92	4/92	4/92
4/92	4/92	4/92	4/92
4/92	4/92	4/92	4/92
4/92	4/92	4/92	4/92
4/92	4/92	4/92	4/92
4/92	4/92	4/92	4/92
4/92	4/92	4/92	4/92

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	4/92	1-21-91	1-21-91
2	4/92	1-21-91	1-21-91
3	4/92	1-21-91	1-21-91
4	4/92	1-21-91	1-21-91
5	4/92	1-21-91	1-21-91
6	4/92	1-21-91	1-21-91
7	4/92	1-21-91	1-21-91
8	4/92	1-21-91	1-21-91
9	4/92	1-21-91	1-21-91
10	4/92	1-21-91	1-21-91

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	4/92	1-21-91	1-21-91
2	4/92	1-21-91	1-21-91
3	4/92	1-21-91	1-21-91
4	4/92	1-21-91	1-21-91
5	4/92	1-21-91	1-21-91
6	4/92	1-21-91	1-21-91
7	4/92	1-21-91	1-21-91
8	4/92	1-21-91	1-21-91
9	4/92	1-21-91	1-21-91
10	4/92	1-21-91	1-21-91

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	4/92	1-21-91	1-21-91
2	4/92	1-21-91	1-21-91
3	4/92	1-21-91	1-21-91
4	4/92	1-21-91	1-21-91
5	4/92	1-21-91	1-21-91
6	4/92	1-21-91	1-21-91
7	4/92	1-21-91	1-21-91
8	4/92	1-21-91	1-21-91
9	4/92	1-21-91	1-21-91
10	4/92	1-21-91	1-21-91

Phase 3

C of A TWO Maps & Records
2.6 2.46 2.29 4

RECORD DRAWING
DATE 5/5/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
MONTANO ROAD - FOURTH TO SECOND STREET TRAFFIC CONTROL PLANS - STAGE 2			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC Chairman	1-22-92	Water	1-22-92
Transportation	1-22-92	Waste Water	1-22-92
Hydrology	1-22-92		1-22-92
DRAWING NO.	2462	MAP NO.	22
		SHEET	44

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

Add Signs 6'x4' Plywood
Black & Orange 300' South
of Griegos, 300' North of
Osuna, 300' East of Edith, &
300' West of 4th St.

No LEFT TURN
at MONTANO & 2nd
Seek Alternative Route
6'

NOT IN THIS CONTRACT

Use Double Yellow Stripe (Temporary)
to Divide Traffic and Vertical Panels
in Place of Temporary Yellow Striping
Whenever the Final Pavement is in Place

On Transitions - All Diff Elevations
Will be Tapered to match with a 50:1
Asphalt Transition

NOT IN THIS CONTRACT

PHASING NOTES - STAGE 2

Phase 4

- Close the northeast quadrant for construction for no more than 12 calendar days by using the typical quadrant closure shown on Sheet 23 and the lane closure schematic shown on this sheet.

- Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe 2nd Street and Montano as per plans so that one thru-lane is maintained in each direction with no left turn allowed. Contractor shall use vertical panels in place of temporary yellow striping whenever the final pavement is in place.

- Complete all construction pertaining to the northeast quadrant from Station 50+00 to Station 54+00.

- Upon completion of the northeast quadrant, reconstruct the median cut along 2nd Street and the median cut along Montano. Use the typical lane closure and flagging operations shown on Sheet 24.

- Complete all new median construction along Montano between Station 153+00 and Station 157+00.

General Note:

1. At no time shall both 2nd & 4th Streets be effected by Construction.

NOTE: FOR VALUES OF S SEE SHEET NO. 25

AREAS TO BE CONSTRUCTED

AS BUILT INFORMATION

MCC

C.O.A.

C.O.A.

C.O.A.

C.O.A.

C.O.A.

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE



NO.	DATE	BY	CHKD.
21	12/1/87	M. N. Stelling	M. P. Schreiber
22	12/1/87	M. N. Stelling	M. P. Schreiber
23	12/1/87	M. N. Stelling	M. P. Schreiber
24	12/1/87	M. N. Stelling	M. P. Schreiber
25	12/1/87	M. N. Stelling	M. P. Schreiber
26	12/1/87	M. N. Stelling	M. P. Schreiber
27	12/1/87	M. N. Stelling	M. P. Schreiber
28	12/1/87	M. N. Stelling	M. P. Schreiber
29	12/1/87	M. N. Stelling	M. P. Schreiber
30	12/1/87	M. N. Stelling	M. P. Schreiber

CITY OF ALBUQUERQUE			
TRANSPORTATION DEPARTMENT			
MONTANO ROAD—FOURTH TO SECOND STREET			
TRAFFIC CONTROL PLANS—STAGE 2			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	3/12/87	3/12/87	Liquid Waste
A.C.E. Design	3/12/87	3/12/87	Traffic
A.C.E. Hydrology	3/12/87	3/12/87	Water
Parke & Rec.	3/12/87	3/12/87	Public Utilities
DRAWING NO.	2462	MAP NO.	23
SHEET	23	OF	44

RECORD DRAWING
DATE 5/5/92

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

85-517

Add Signs 6'x4' Plywood
Black & Orange 300' South
of Griegos, 300' North of
Osuna, 300' East of Edith, &
300' West of 4th St.

No LEFT TURN
at MONTANO & 2nd
Seek Alternative Route
6'

PHASING NOTES - STAGE 3

Phase 1

- Phase 3 involves the construction of a siphon under the Alameda Drain and Gallegos Lateral. M.R.C.C.D. design criteria specify that no open cuts in ditch banks are permitted during the irrigation season (March 1 through November 1). Therefore, siphon construction must take place between November 1 and March 1 during the off season. This phase of construction may come before, between, or after the 4th Street and 2nd Street intersection construction, depending on the date of Notice to Proceed.

- If this phase of construction comes before the 4th Street and/or 2nd Street intersection construction, construct temporary median crossover along Montano and 2nd Street as directed by the Project Engineer.

- Remove all existing striping that would conflict with the temporary striping pattern for this phase. Stripe 2nd Street and Montano as per plans so that one thru-lane is maintained in each direction with no left turn allowed. Contractor shall use vertical panels in place of temporary yellow striping whenever the final pavement is in place.

- Install 6' x 4' black and orange plywood signs 300' south of Griegos, 300' north of Osuna, 300' east of Edith, and 300' west of 4th Street. Sign shall state: "NO LEFT TURN AT MONTANO AND 2ND, SEEK ALTERNATIVE ROUTE".

- Close the center portion of Montano just west of 2nd Street by using the typical lane closure shown on Sheets 26 and 27 and the schematic shown on this sheet.

- Construct siphon storm sewer under Alameda Drain and Gallegos Lateral.

- Reconstruct portion of Gallegos Lateral siphon.

General Note:

1. At no time shall both 2nd & 4th Streets be affected by Construction.

NOTE: FOR VALUES OF "S" SEE SHEET NO. 27

AREAS TO BE CONSTRUCTED.

Use Double Yellow Stripe (Temporary)
to Divide Traffic and Vertical Panels
in Place of Temporary Yellow Striping
Whenever the Final Pavement is in Place

This Temporary Crossover To
Be Built Prior To Diverting
Traffic - Curb Cut 120'±

Each corner will have
a Type "B" High Intensity
Warning Light mounted on top
of the Wall Barrier.

On Transitions - All Diff. Elevations
Will be Tapered to match with a 50:1
Asphalt Transition

Wall Barrier to be set 4' off Traveled Way.



TRAFFIC CONTROL REQUIREMENTS

- The Traffic Control Plans incorporated into the Construction Plans are provided as a conceptual schematic showing possible phases only.
- The Contractor will be required to provide a Detailed Traffic Control Plan that includes the use of temporary signalization at 4th Street and Montano Rd., and that meets the requirements of the MUTCD. The plan should show all dimensions for lane widths, crossovers, work areas, sign locations, etc. Additionally all reference to signs as shown on the Traffic Control Plan shall be by use of MUTCD sign codes.
- A separate Traffic Control Plan will be required for each phase and is to be submitted to the Construction Coordination Engineer a minimum of 10 working days prior to the start of each phase. The Construction Coordination Engineer may be contacted at 768-2551.
- Payment for preparing the Traffic Control Plan; for installing, removing and maintaining traffic control devices; and for providing temporary striping will be paid for under Contract Bid Item No. 104 on a lump sum basis. Some exceptions are noted in Paragraph E below.
- When necessary for traffic control, Contract Bid Items may be used for temporary purposes such as asphalt pavement placement and removal, as long as the specifications for those items are adhered to where possible. Removing existing structures and replacing them with new structures such as curb and gutter are also examples of Contract Bid Items that might be needed and used for traffic control. All such work will be paid for at contract unit prices.

26 24622494

PHASE 1

RECORD DRAWING

DATE 5/5/92

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO ROAD - FOURTH TO SECOND STREET

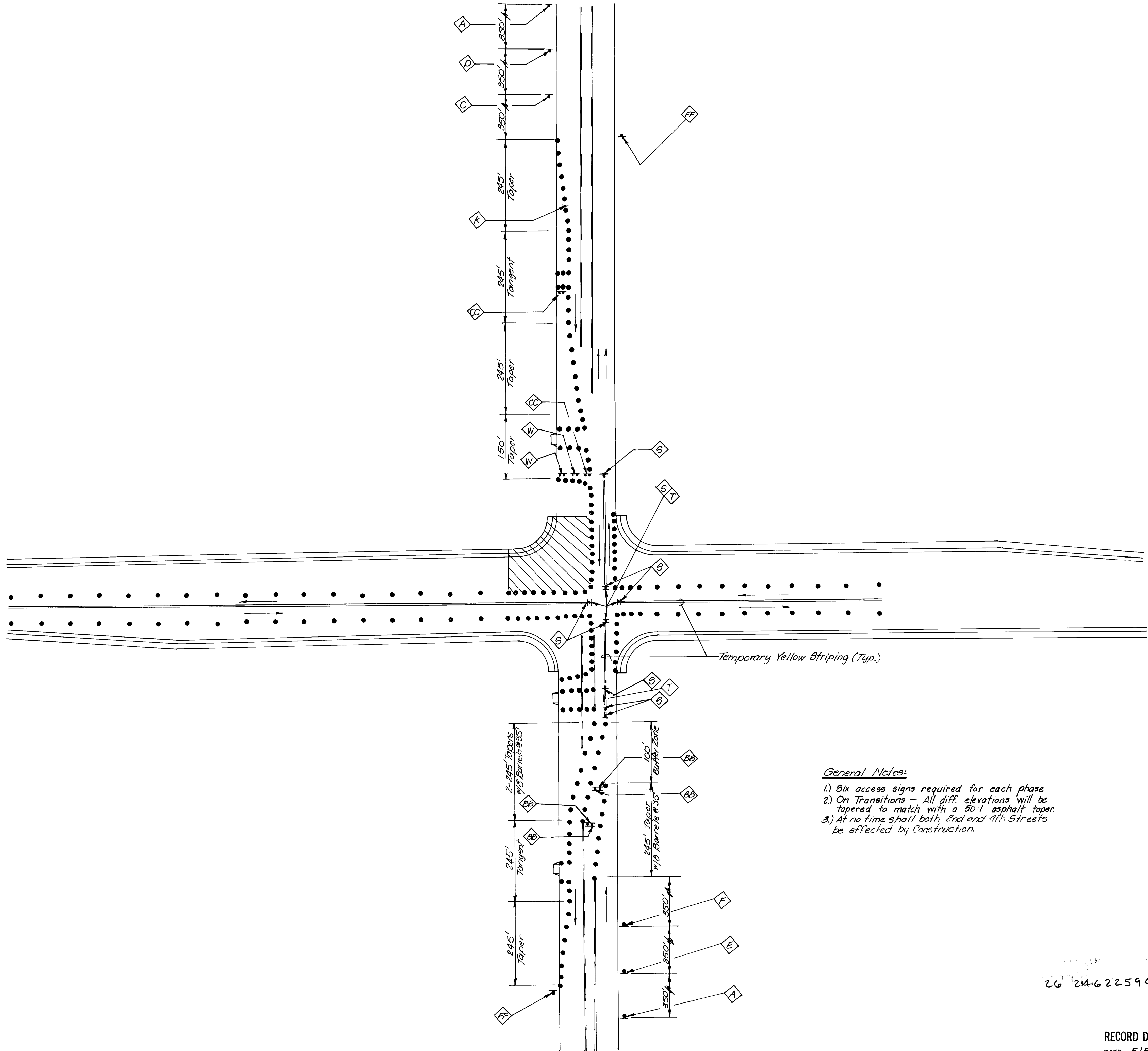
TRAFFIC CONTROL PLANS - STAGE 3

APPROVALS	ENGINEER	DATE	APPROVALS	DATE
DRC Chairman	Reg. A. R.	1-24-91	Water	
Transportation	Reg. C. R.	1-22-91	Waste Water	
Hydrology	Reg. L. A.			

DRAWING NO. 2462 MAP NO. SHEET 24 OF 44

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

85-517



- General Notes:
- 1) Six access signs required for each phase
 - 2) On Transitions - All diff. elevations will be tapered to match with a 50:1 asphalt taper.
 - 3) At no time shall both 2nd and 4th Streets be effected by Construction.

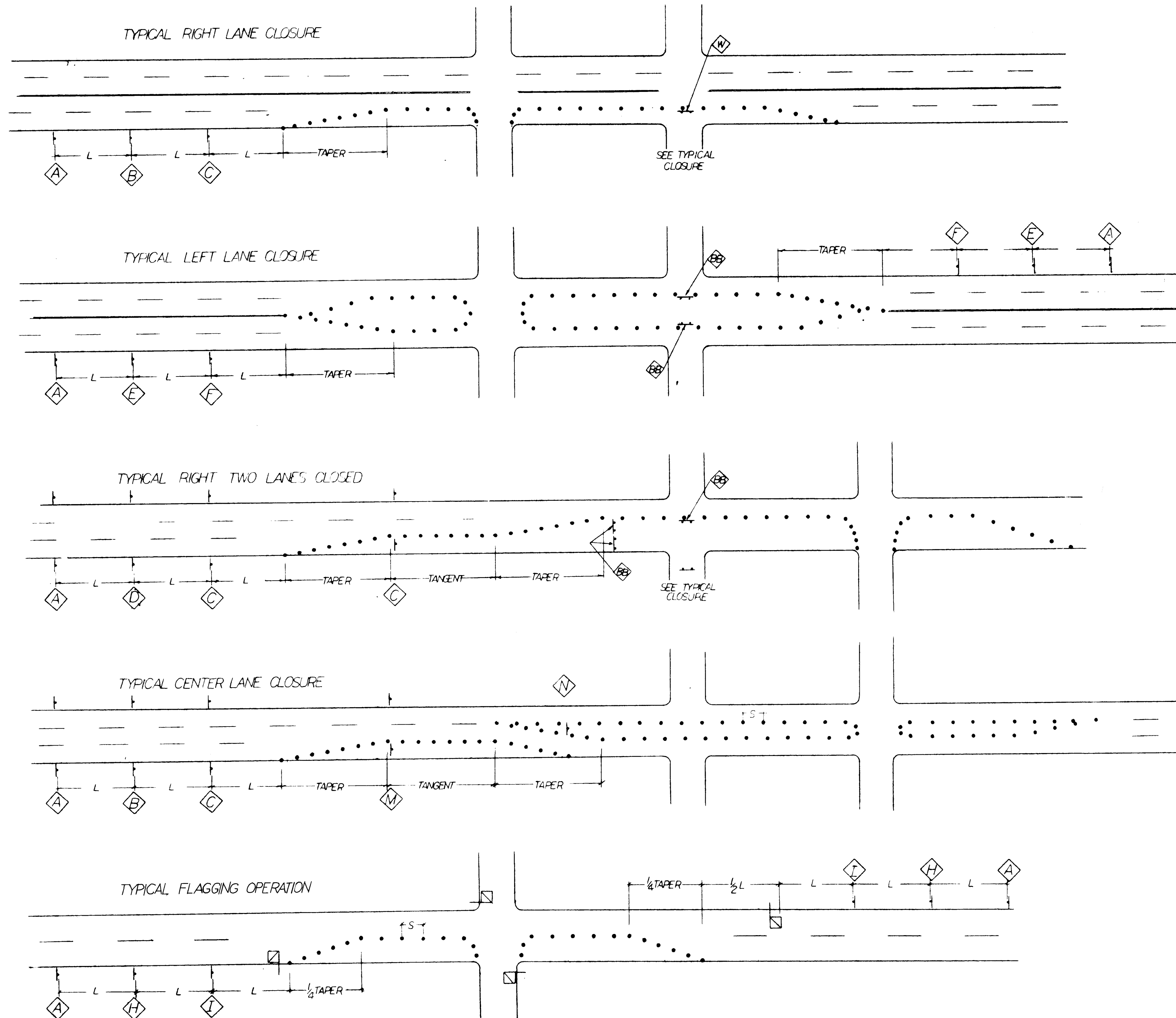
26 24622594

RECORD DRAWING
DATE 5/5/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD TYPICAL QUADRANT CLOSURE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	<i>[Signature]</i>	1-24-91	Water	<i>[Signature]</i>	1-24-91
Transportation	<i>[Signature]</i>	1-22-91	Waste Water		
Hydrology	<i>[Signature]</i>				
DRAWING NO. 2462			MAP NO. SHEET 25 OF 44		

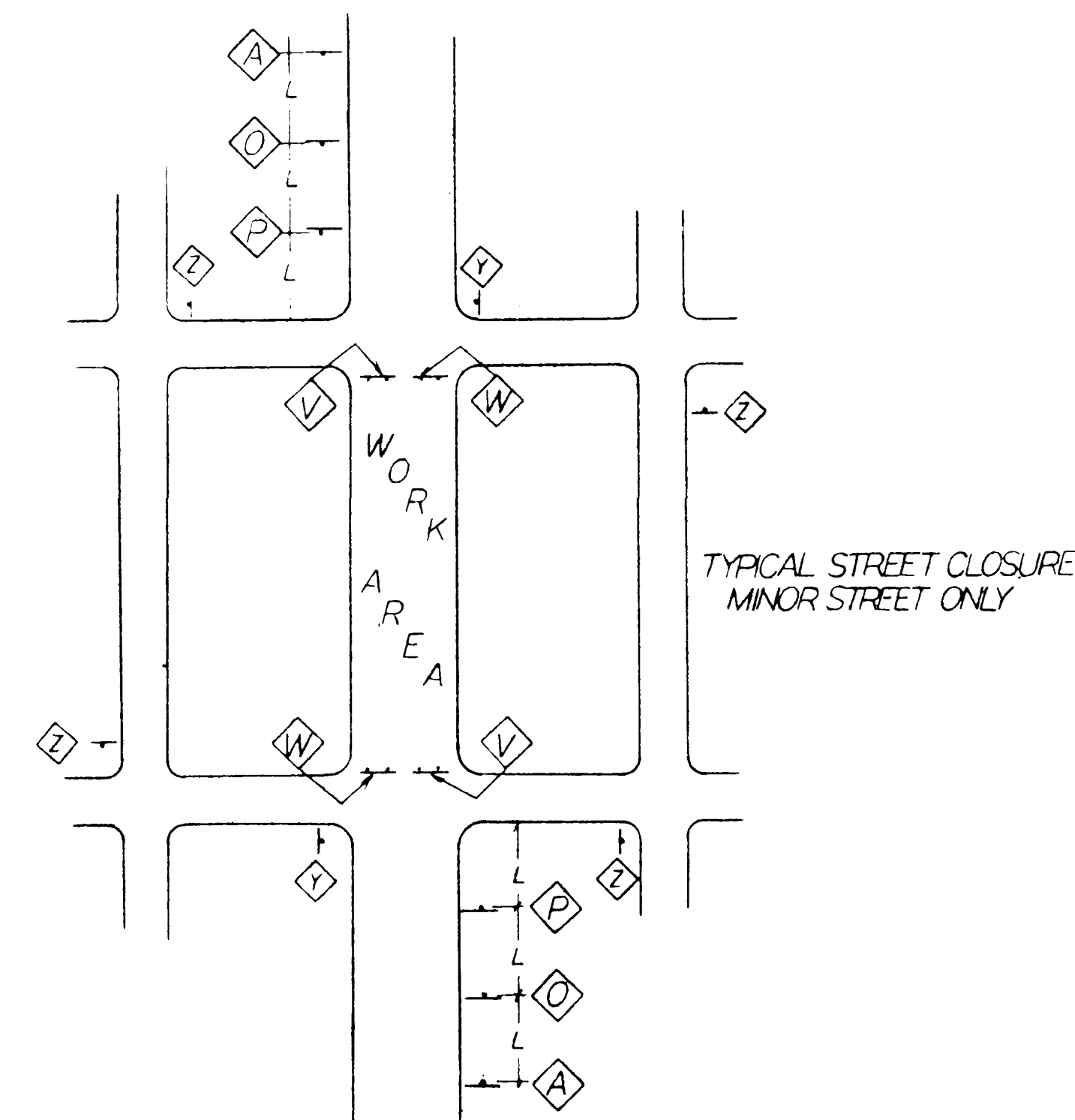
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES				CONTRACTOR M.C.C.	
REVISIONS		NO. BY DATE				WORK BY C.O.A. DATE 4/92	
DESIGNED BY MNS						INSPECTED BY C.O.A. DATE 4/92	
DRAWN BY RAG						FIELD BY C.O.A. DATE 4/92	
CHECKED BY SUM						VERIFICATION BY C.O.A. DATE 4/92	
						CORRECTED BY W.C.E.A. DATE 4/92	
						MICRO-FILM INFORMATION	
						RECORDED BY	
						NO. DATE	



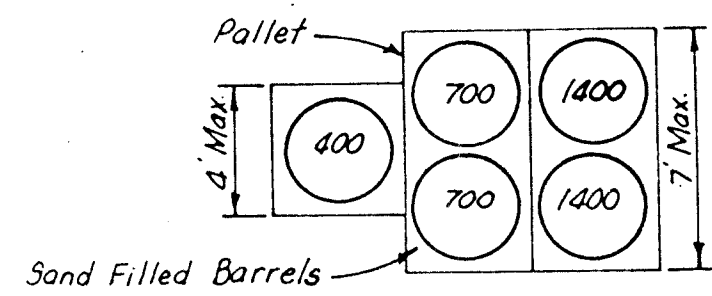
LEGEND
 FLAGMAN

NOTE: FOR VALUES OF "S" SEE SHEET NO. 27

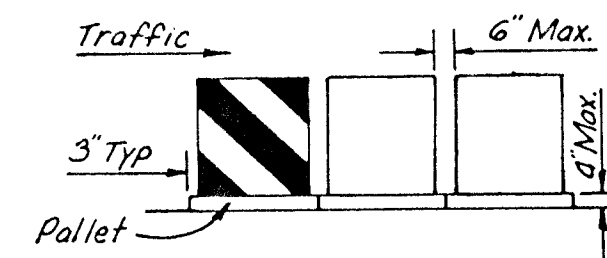


RECORD DRAWING
 DATE 5/5/92

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL			REVISIONS			DESIGNED BY MNS			DRAWN BY RAG			CHECKED BY SIM																								
CONTRACTOR	NO.	DATE	CONTRACTOR	NO.	DATE	NO.	BY	DATE	ENGINEER'S SEAL	NO.	DATE	REMARKS	NO.	DATE	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE																									
WILSON & COMPANY ENGINEERS & ARCHITECTS																																													
26 24622694 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP MONTANO ROAD LANE CLOSURE & FLAGGING OPERATIONS <table border="1"> <thead> <tr> <th>APPROVALS</th> <th>ENGINEER</th> <th>DATE</th> <th>APPROVALS</th> <th>ENGINEER</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRC Chairman</td> <td>Rag. J. Rag.</td> <td>1-24-91</td> <td>Water</td> <td>NA</td> <td>NA</td> </tr> <tr> <td>Transportation</td> <td>W. Rag.</td> <td>1-22-91</td> <td>Waste Water</td> <td></td> <td></td> </tr> <tr> <td>Hydrology</td> <td>W. Rag.</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> DRAWING NO. 2462 MAP NO. SHEET 26 OF 44																						APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	DRC Chairman	Rag. J. Rag.	1-24-91	Water	NA	NA	Transportation	W. Rag.	1-22-91	Waste Water			Hydrology	W. Rag.				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																																								
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Transportation	W. Rag.	1-22-91	Waste Water																																										
Hydrology	W. Rag.																																												



TOP VIEW TYPE I



SIDE VIEW TYPE I

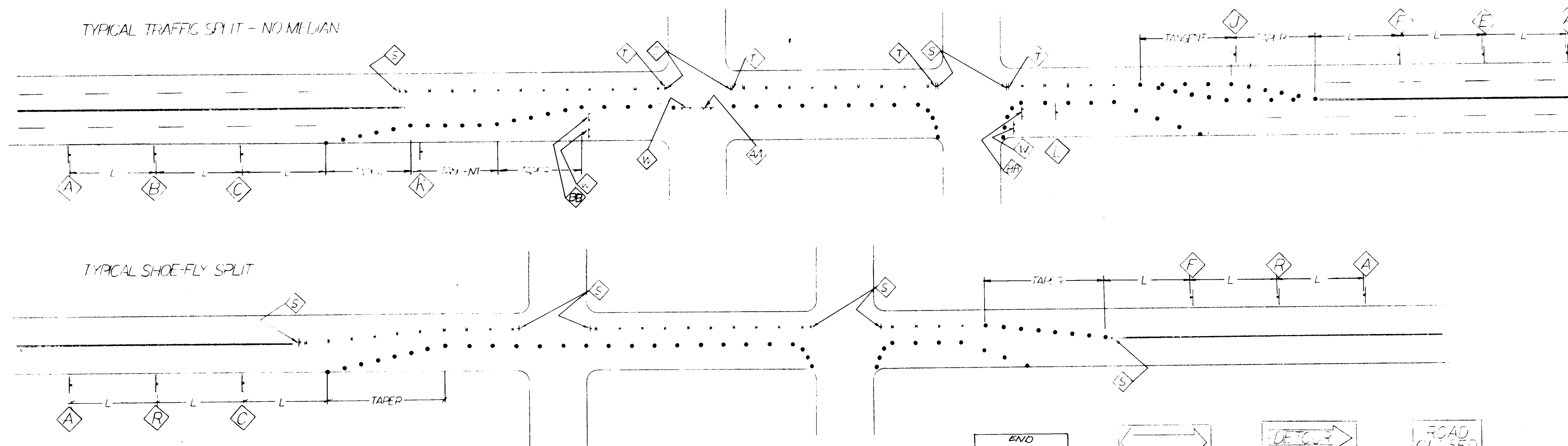
NOTES

1. All assembly, transportation to site, erection of the individual modules and the crash cushion as a whole shall be done in accordance with the manufacturers recommendations.
2. The color of the modules in an individual crash cushion shall be yellow unless otherwise indicated.
3. Sand shall be clean, dry granular sand.

Weight of sand (lbs)	Height of cone (in.)	Module Diameter (in.)	Module Height (in.)
200	12.6"	35.7" TOP 27.5" BOTTOM	36.2"
400	18"	"	"
700	24"	"	"
1400	36"	"	"
2100	48"	35.7" TOP 30.25" BOTTOM	45.50"

MODULE COMPONENTS

IMPACT ATTENUATOR DETAIL



SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10 FOOT LANE	11 FOOT LANE	12 FOOT LANE		
25	104	111	115	25	5
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

- BARRICADE - TYPE I, TYPE II, OR A BARREL
- SIGN
- VERTICAL PANEL
- BARRICADE - TYPE III

L = DISTANCE BETWEEN ADVANCE SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO TEN TIMES THE SPEED LIMIT

S = SPACING BETWEEN BARRICADES - MAXIMUM SPACING TO BE A VALUE MEASURED IN FEET EQUAL TO THE SPEED LIMIT

TANGENT - TANGENT LENGTH = TAPER LENGTH (SEE CHART)

END CONSTRUCTION
G20-2
FF

MONTANO

EE

ACCESS TO

3'

W1-7
AA

W1-6 R
BB

W1-6 L
CC

W4-1 CR
V

W4-1 CR
Y

W4-1 CR
Z

R11-2
W

R11-4
X

M4-10 L
DD

SHOULDER WORK
W21-5
GG

RIGHT LANE CLOSED AHEAD
W20-1
A

RIGHT TWO LANES CLOSED AHEAD
W20-5 CR
D

LEFT TWO LANES CLOSED AHEAD
W20-1 L
G

W6-3
J

W20-5 L
I

W20-2
F

KEEP RIGHT
R4-7a
S

LEFT LANE MUST TURN LEFT
R3-7
HH

RIGHT LANE CLOSED AHEAD
W20-5 R
B

LEFT LANE CLOSED AHEAD
W20-5 L
E

ONE LANE ROAD AHEAD
W20-4
H

W1-4 L
K

W2-1
N

W8-1
Q

R3-2
T

W4-2 R
C

W4-2 L
E

W20-7a
I

W1-4 R
L

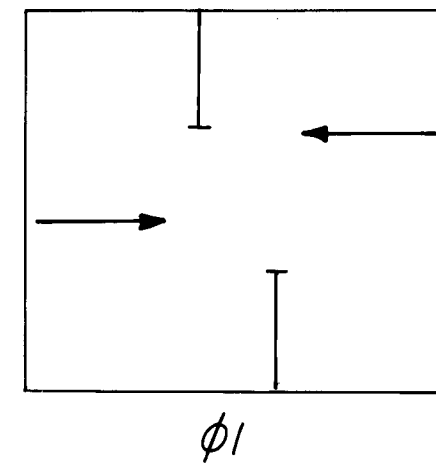
W20-3
C

W5-1
R

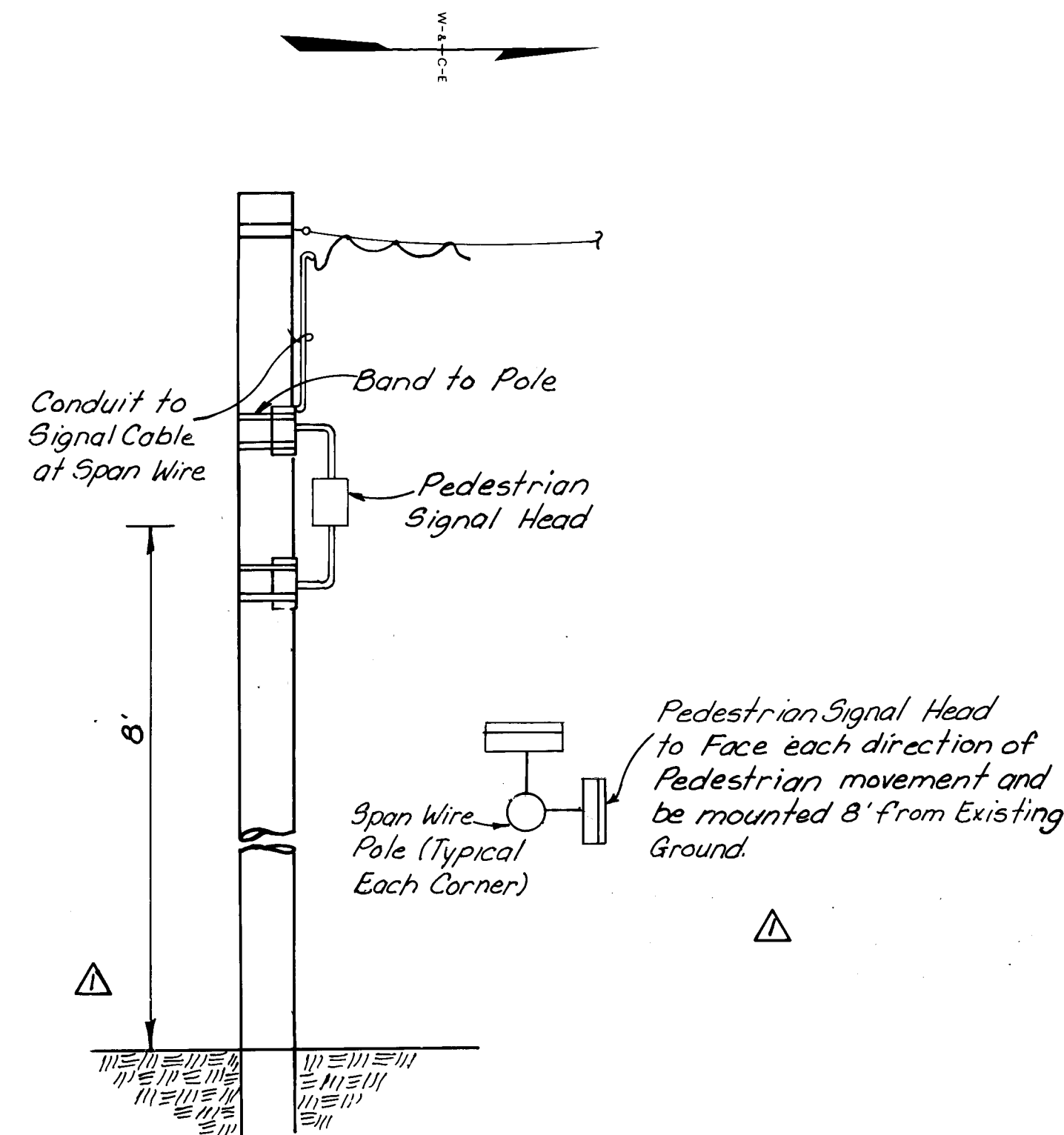
R3-1
U

RECORD DRAWING
DATE 5/5/92

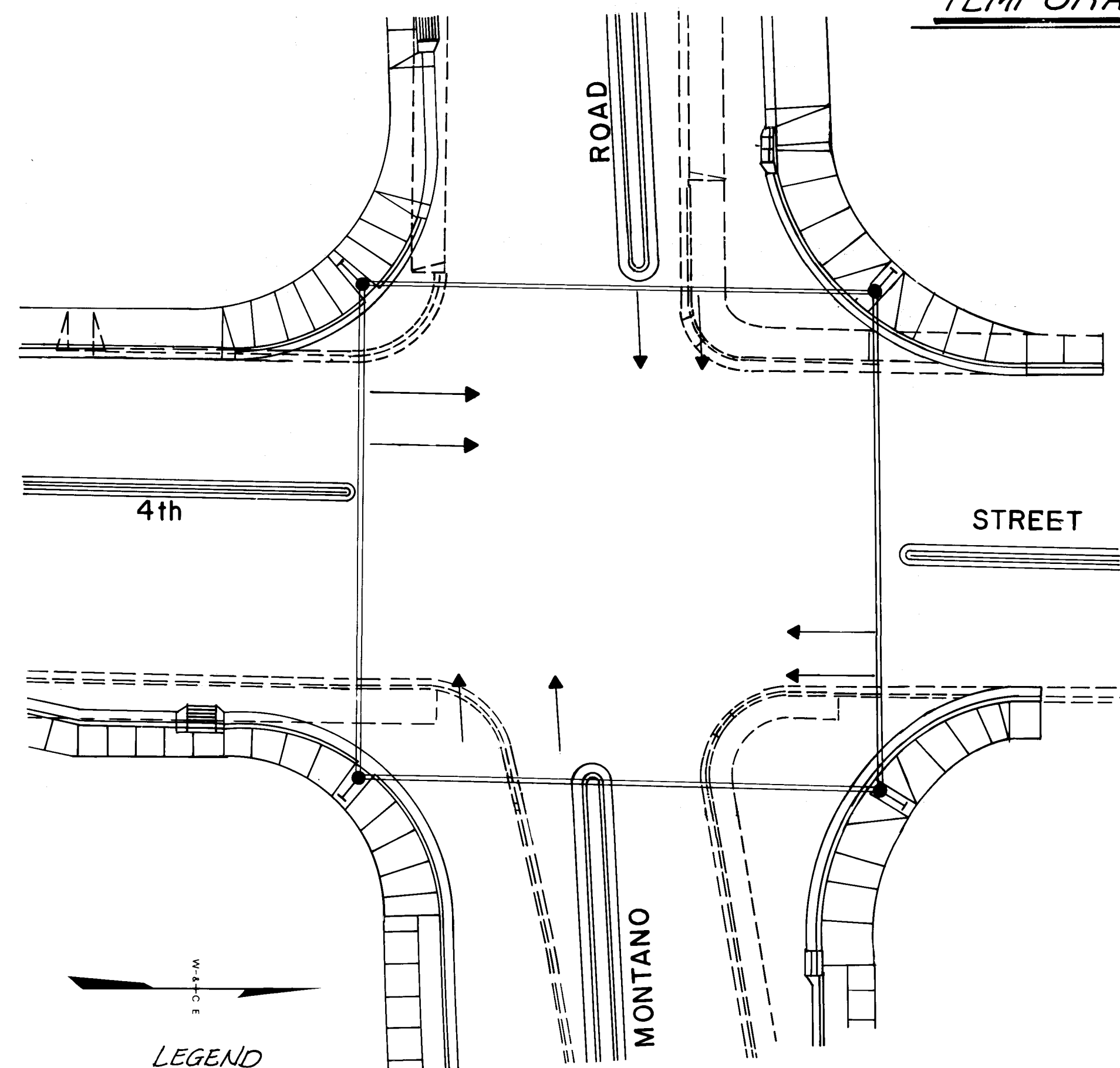
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD TYPICAL TRAFFIC CONTROL DEVICES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	Ray Allen	1-24-91	Water	VA	9/92
Transportation	N/A	1-22-91	Waste Water		
Hydrology	N/A				
DRAWING NO	2462	MAP NO.	SHEET	27	44
WILSON & COMPANY ENGINEERS & ARCHITECTS ALBUQUERQUE, NEW MEXICO					



PHASING DIAGRAM
For Information Of Contractor Only



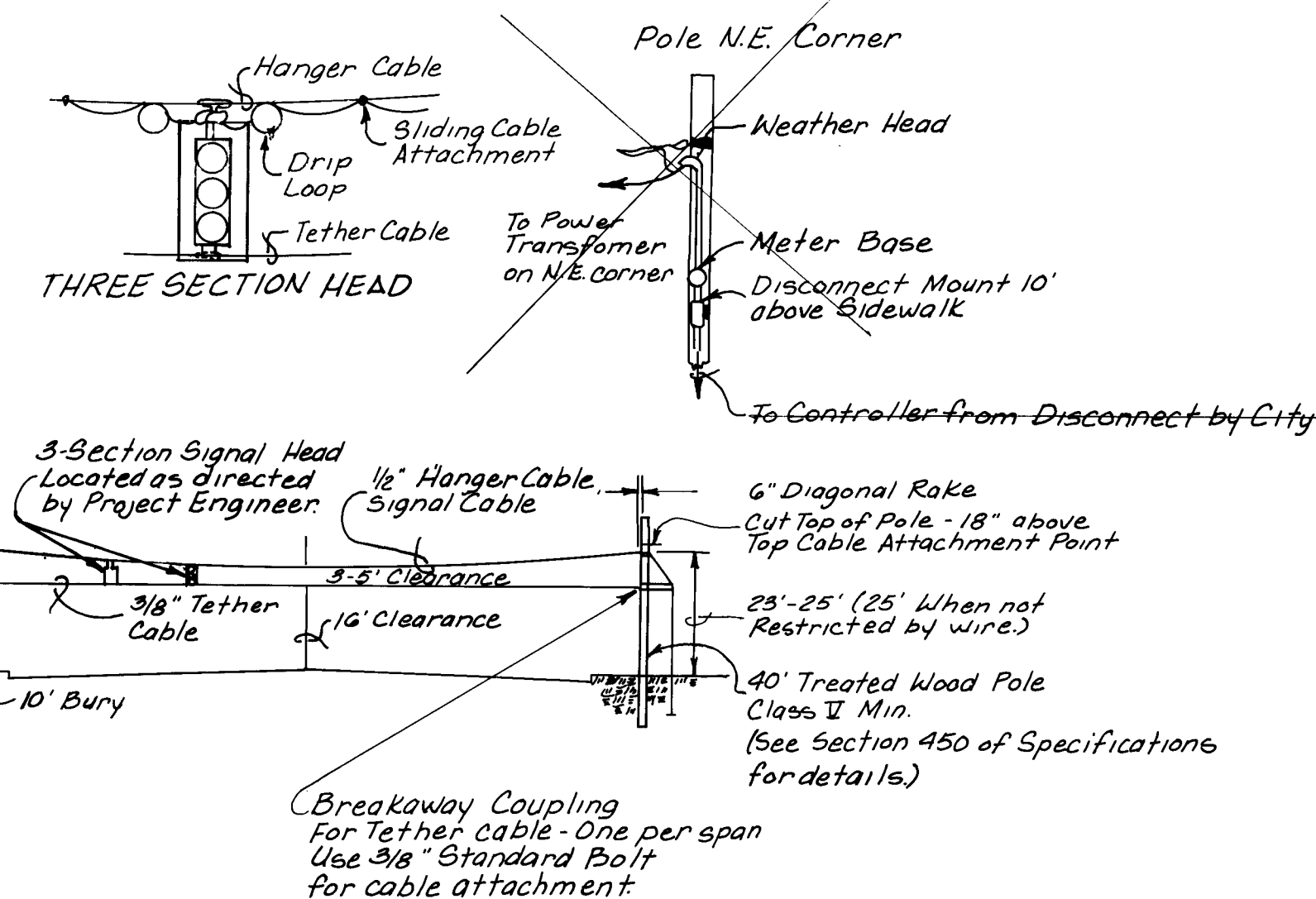
TEMPORARY SIGNAL HEAD PLACEMENT



TEMPORARY SIGNAL LAYOUT

TRAFFIC CONTROL REQUIREMENTS

- The Traffic Control Plans incorporated into the Construction Plans are provided as a conceptual schematic showing possible phases only.
- The Contractor will be required to provide a Detailed Traffic Control Plan that includes the use of temporary signalization at 4th Street and Montano Rd., and that meets the requirements of the MUTCD. The plan should show all dimensions for lane widths, crossovers, work areas, sign locations, etc. Additionally all reference to signs as shown on the Traffic Control Plan shall be by use of MUTCD sign codes.
- A separate Traffic Control Plan will be required for each phase and is to be submitted to the Construction Coordination Engineer a minimum of 10 working days prior to the start of each phase. The Construction Coordination Engineer may be contacted at 768-2551.
- Payment for preparing the Traffic Control Plan; for installing, removing and maintaining traffic control devices; and for providing temporary striping will be paid for under Contract Bid Item No. 104 on a lump sum basis. Some exceptions are noted in Paragraph E below.
- When necessary for traffic control, Contract Bid Items may be used for temporary purposes such as asphalt pavement placement and removal, as long as the specifications for those items are adhered to where possible. Removing existing structures and replacing them with new structures such as curb and gutter are also examples of Contract Bid Items that might be needed and used for traffic control. All such work will be paid for at contract unit prices.



TEMPORARY SIGNAL SPAN DETAIL

TEMPORARY SIGNAL QUANTITIES

ITEMS TO BE FURNISHED, INSTALLED AND MAINTAINED BY CONTRACTOR

Item Description	Unit	Quantity
Treated Wooden Power Poles - Class 5	L.F.	160
Guy Wire	L.F.	200(+)
Anchor	Ea.	5
2" Dia. x 6' Pipe Brace	Ea.	5
3/8" Standard Bolts for Cable Bracket Attachment	Ea.	8
2" Conduits	L.F.	120(+)
3 Section Signal Heads	Ea.	8
Pedestrian Signal Heads	Ea.	8
Pedestrian Push-Buttons	Ea.	8
Disconnect Switch Box	Ea.	1
Meter Base	Ea.	1
1/2" Signal Lead Hanger Cable	L.F.	480(+)
Signal Cables with Sliding Hangers	L.F.	600(+)
3/8" Tether Cable	L.F.	480(+)
Pole Brackets for Cable Attachments	Ea.	8
Signal Conductor Cable	L.F.	1,500(+)
See Note #5 for Controller		

FOR INFORMATION OF THE CONTRACTOR ONLY.

NOTES:

- Wires are to maintain clearance specified in the National Electrical Code. Traffic Signal Poles, Span wires shall maintain clearances specified in the National Electrical Safety Code (N.E.S.C.) from PNM's Facilities. The temporary insulation for bare wires does not reduce clearance requirements of the N.E.S.C.
- All signal heads not in use are to be covered.
- Signal indicators shall be adjusted during construction by the Contractor as directed by the Project Engineer to accommodate construction phasing.
- All cable runs shall have 10' of slack and are permanently and clearly labeled to identify which signal it services. Drip loops shall have 25' of slack to accommodate movement of signal heads during construction phasing.
- The City of Albuquerque will provide and install the controller and Controller Cabinet. The City will also set signal times. The contractor shall maintain the signal system during construction.
- Payment for Temporary Signals is included in the bid items "Traffic Control," Lump Sum, Bid Item 101.
- Contractor will have to work around Temporary Signal Poles during construction of New Sidewalk. Upon completion of New Intersection with New Signals the Temporary poles shall be removed and the Sidewalk completed.
- Upon completion of the Project the Temporary Signal System shall become the property of the Contractor.
- The Temporary Signals shall remain in operation until Approval is Given by the Project Engineer for Removal.
- The Service Pedestal For The Proposed 4th Street Signals Shall Be Installed Prior To Installing The Temporary Signals. Power Service For The Temporary Signals Shall Be Provided From The Service Pedestal. See Sheet 37 of 44.

26 24622894

RECORD DRAWING
DATE 5/5/92

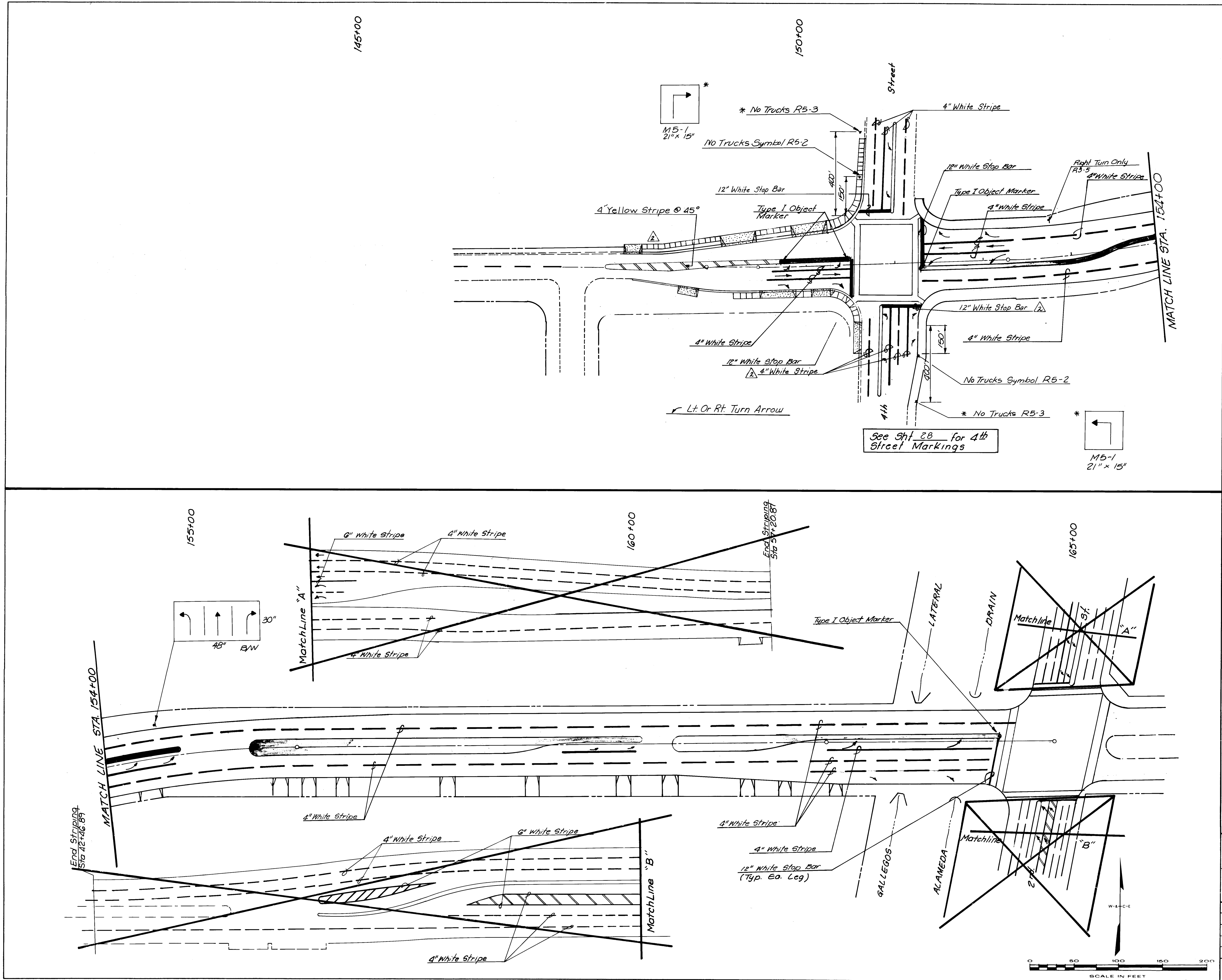
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO RD. - FOURTH TO SECOND STREET
TRAFFIC CONTROL PLANS - TEMPORARY SIGNALS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	[Signature]	5-24-91	Water	NA, [Signature]	
Transportation	NA, [Signature]	1-22-91	Waste Water		
Hydrology	NA, [Signature]				

DRAWING NO. 2462 MAP NO. SHEET 28 OF 44

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO



AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	NO.	DATE	CONTRACTOR	NO.	DATE	NO.	BY	DATE	ENGINEER'S SEAL	REMARKS	BY
WILSON & COMPANY			WILSON & COMPANY							REVISIONS	
ENGINEERS & ARCHITECTS			ENGINEERS & ARCHITECTS					DESIGNED BY WCEA		DATE	DATE
DESIGNED BY WCEA			DESIGNED BY WCEA					DRAWN BY RAG/MP		DATE	DATE
DRAWN BY RAG/MP			DRAWN BY RAG/MP					CHECKED BY		DATE	DATE

26. 2462-2999

RECORD DRAWING
DATE 5/5/92

Note:
Permanent Signing For Contractor Information Only. Permanent Signing will be Done By the City of Albuquerque

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO ROAD
PAVEMENT MARKING & PERMANENT SIGNING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	RAG	1-22-91	Water	W.A. 446	
Transportation	RAG	1-22-91	Waste Water		
Hydrology	RAG	1-22-91			

DRAWING NO. 2462 MAP NO. SHEET 29 OF 44

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

85-517

FUNCTION CHART

CONDUCTOR	BASE COLOR	TRACER	FUNCTION	FIELD CONNECTION
1.	BLACK	-	SPARE	
2.	WHITE	-	SPARE	
3.	RED	-	1 RED	
4.	GREEN	-	1 GREEN	
5.	ORANGE	-	1 YELLOW	
6.	BLUE	-	1 WALK	
7.	WHITE	BLACK	1 Dont Walk	
8.	RED	BLACK	2 RED	
9.	GREEN	BLACK	2 GREEN	
10.	ORANGE	BLACK	2 YELLOW	
11.	BLUE	BLACK	2 WALK	
12.	BLACK	WHITE	2 Dont Walk	
13.	RED	WHITE	3 RED	
14.	GREEN	WHITE	3 GREEN	
15.	BLUE	WHITE	3 YELLOW	
16.	BLACK	RED	4 RED	
17.	WHITE	RED	4 GREEN	
18.	ORANGE	RED	4 YELLOW	
19.	BLUE	RED	4 WALK	
20.	RED	GREEN	4 Dont Walk	
21.	ORANGE	GREEN	SPARE	

NOTE: IDENTIFY CABLES ABOVE, AS "115 VOLTS" AND CABLES BELOW AS "P.P.B. - LOW VOLTAGE" AT EACH SPLICE POINT. 5 CONDUCTOR CABLE 24 VOLTS (PUSH BUTTONS ONLY).

1. BLACK - 2 PPB

2. WHITE - COMMON

3. RED - 4 PPB

4. GREEN - 6 PPB

5. ORANGE - 8 PPB

NOTE: WRAP RING 2 CABLE AT EACH SPLICE POINT WITH COLORED ELECTRICAL TAPE, AT EACH END OF CABLE, 6" BACK FOR IDENTIFICATION.

DETECTOR UNITS

DETECTOR UNIT	PHASE (LOOP NO.)	MODE
1) Chan. 1	01	Presence / Delay Call (4 sec.)
Chan. 2	05	
2) Chan. 1	02 (1) (2)	Presence / Extended Call (3 sec.)
Chan. 2	06 (1) (2)	
3) Chan. 1	03	Presence / Delay Call (4 sec.)
Chan. 2	07	
4) Chan. 1	04 (1) (2)	Presence / Extended Call (3 sec.)
Chan. 2	08 (1) (2)	

LOOP LEAD IN WIRE

PB #3 to Controller	122'
PB #4 to Controller	242'
PB #6 to Controller	185'
PB #7 to Controller	335'
PB #10 to Controller	235'
PB #11 to Controller	345'
PB #13 to Controller	165'
PB #14 to Controller	335'

CABLE RUNS CONT

CABLE	LENGTH	CONDUCTOR	AWG	TYPE	REMARKS
Mastarm 1					
4'	1-7/c	14	MCC	Signal #1M	
5'	5/c	14	MCC	Signal #1	
10'	5/c	14	MCC	P 1	
43'	1/c	10	THW	Signal #1M (Neutral)	
Mastarm 2					
54'	7/c	14	MCC	Signal #2M	
54'	1/c	10	THW	Signal #2M (Neutral)	
15'	5/c	14	MCC	Signal #2	
10'	5/c	14	MCC	P 7	
Mastarm 3					
54'	7/c	14	MCC	Signal #3M	
54'	1/c	10	THW	Signal #3M (Neutral)	
15'	5/c	14	MCC	Signal #3	
10'	5/c	14	MCC	P 3	
Mastarm 4					
49'	7/c	14	MCC	Signal #4M	
49'	1/c	10	THW	Signal #4M (Neutral)	
15'	5/c	14	MCC	Signal #4	
10'	5/c	14	MCC	P 5	
Pedestal 1					
15'	7/c	14	MCC	Signal #1V	
Pedestal 2					
15'	5/c	14	MCC	P 8, PPB 7,8	
Pedestal 3					
15'	5/c	14	MCC	P 6, PPB 6,5	
15'	5/c	14	MCC	Signal #5	
Pedestal 4					
15'	7/c	14	MCC	Signal #4V	
Pedestal 5					
15'	5/c	14	MCC	P 4, PPB 3,4	
Pedestal 6					
15'	5/c	14	MCC	Signal #6	
15'	5/c	14	MCC	P 2, PPB 1,2	

CONDUIT

CIRCUIT	SIZE	LENGTH	CABLE LENGTH	CONDUCTOR	AWG	TYPE	REMARKS
1	2" REC	32'	36'	2-1/c	6	THW	
2	2-3" REC	24'	28'	2-20/c	14	MCC	
3	2" REC	8'	28'	1/c	10	THW	
4	2" REC	24'	28'	1/c	10	THW	
5	3" REC	48'	28'	1/c	6	THW	
6	2" REC	6'	12'	1-7/c	14	MCC	
7	2" REC	38'	12'	3-5/c	14	MCC	
8	2" REC	106'	12'	1/c	10	THW	
9	3" REC	60'	28'	1-7/c	14	MCC	
10	3" REC	14'	28'	2-5/c	14	MCC	
11	3" REC	20'	28'	1/c	10	THW	
12	2" REC	28'	52'	2-20/c	14	MCC	
13	2" REC	118'					
14	3" REC	94'	52'	1/c	10	THW	
15	2" REC	16'	4-Loop Lead In Wires				
16	2" REC	10'	10'	1-7/c	14	MCC	
17	3" REC	64'	10'	1/c	10	THW	
18	2" REC	34'	2-Loop Lead In Wires				
19	2" REC	6'	2-Loop Lead In Wires				
20	2" REC	110'	1-Loop Lead In Wires				
21	3" REC	60'	64'	2-20/c	14	MCC	
22	2" REC	8'					
23	2" REC	28'	64'	1/c	10	THW	
24	2" REC	28'	2-Loop Lead In Wires				
25	2" REC	114'	18'	1-7/c	14	MCC	
26	3" REC	88'	18'	4-5/c	14	MCC	
27	2" REC	130'	18'	1/c	10	MCC	
28	2" REC	1260'	24'	1-7/c	14	MCC	
29	2-2" REC	20'	24'	2-5/c	14	MCC	
30	1" REC	50'	24'	1/c	10	THW	
2-Loop Lead In Wires							
1-Loop Lead In Wires							
98' 2-20/c 14 MCC							
98' 1/c 10 THW							
20' 1-7/c 14 MCC							
20' 2-5/c 14 MCC							
20' 1/c 10 THW							
14' 1-5/c 14 MCC							
14' 1/c 10 THW							
68' 2-20/c 14 MCC							
68' 1/c 10 THW							
10' 1-7/c 14 MCC							
10' 1/c 10 THW							
2-Loop Lead In Wires							
2-Loop Lead In Wires							
1-Loop Lead In Wire							
64' 2-20/c 14 MCC							
64' 1/c 10 THW							
2-Loop Lead In Wires							
12' 2-5/c 14 MCC							
12' 1/c 10 THW							
32' 1-7/c 14 MCC							
32' 2-5/c 14 MCC							
32' 1/c 10 THW							
2-Loop Lead In Wires							
1-Loop Lead In Wire							
92' 2-20/c 14 MCC							
92' 1/c 10 THW							
4-Loop Lead In Wires							
1-Nylon Pull Wire							
1-Nylon Pull Wire							

* Quantity Included With 2nd Street

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

MONTANO ROAD
4th ST. & MONTANO RD. SIGNALIZATION

APPROVALS

ENGINEER

DATE

APPROVALS

ENGINEER

DATE

DRG Chairman

Transportation

Hydrology

1-24-91

1-22-91

NA, 4/1

DRAWING NO.

2462

MAP NO.

SHEET 31 OF 44

AS BUILT INFORMATION

CONTRACTOR

M.C.C.

WORK ORDER

DATE

4/92

REVISIONS

DATE

4/92

ACCEPTANCE BY C.O.A.

DATE

4/92

FIELD CHECKED BY C.O.A.

DATE

4/92

DRAWINGS CORRECTED BY M.C.C.A.

DATE

4/92

RECORDED BY

NO.

SURVEY INFORMATION

FIELD NOTES

DATE

BY

NO.

ENGINEER'S SEAL

WILSON & COMPANY ENGINEERS & ARCHITECTS

DESIGNED BY S.F.P.

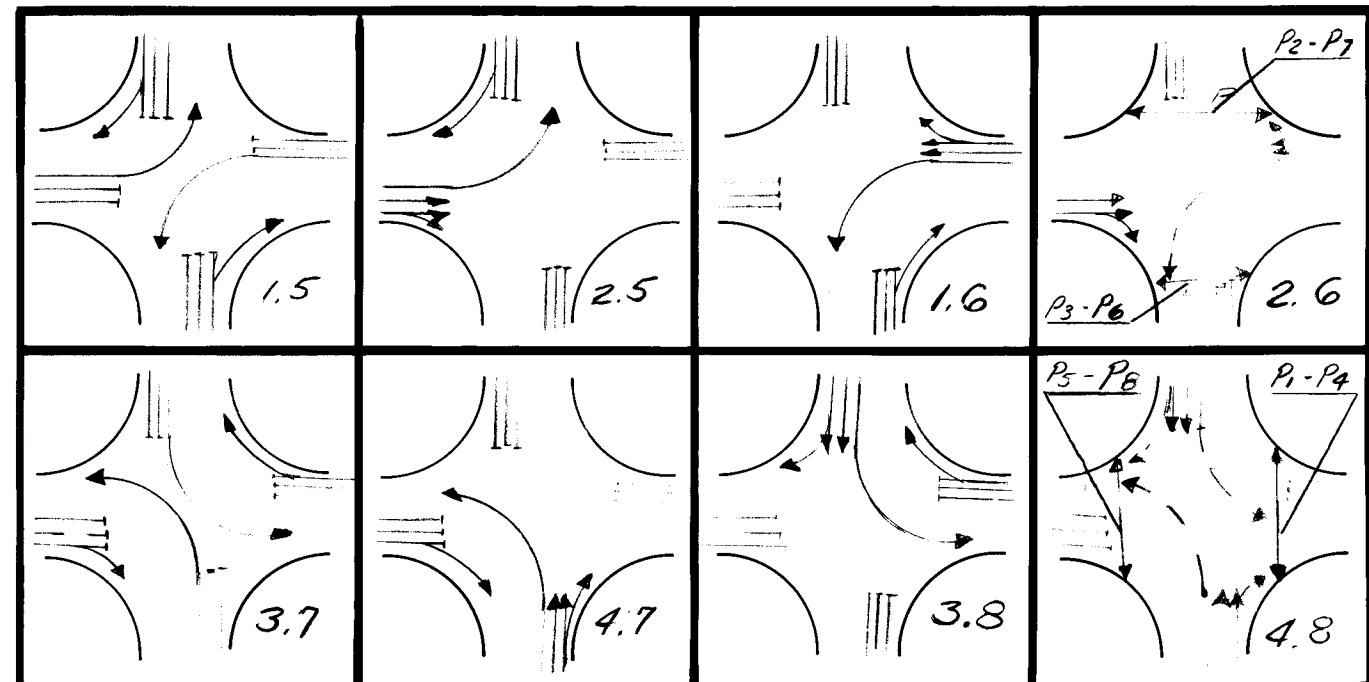
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DRAWN BY M.P.S./ELO

DATE

CHECKED BY

DATE



PHASING DIAGRAM

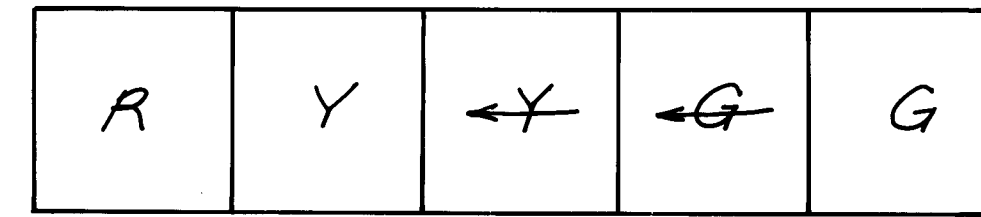
NOTE: This Phase Chart is for Contractor Information Only

Phase (Ø)	1.5	2.5	1.6	2.6	3.7	4.7	3.8	4.8	Flash
1	R	R	R	R	R	R	R	R	R
1M	R	R	R	R	R	R	R	R	R
1V	R	R	R	R	R	R	R	R	R
2	R	R	G	G	R	R	R	R	R
2M	R	R	G	G	R	R	R	R	R
3	R	R	R	R	R	R	R	R	R
3M	R	R	R	R	R	R	R	R	R
4	R	R	R	R	R	R	R	R	R
4M	R	R	R	R	R	R	R	R	R
4V	R	R	R	R	R	R	R	R	R
5	R	R	R	R	R	R	R	R	R
6	R	R	R	R	R	R	R	R	R
P-P ₂	DW	DW	DW	DW	DW	DW	DW	W/*	OFF
P ₃ -P ₆	DW	DW	DW	W/*	DW	DW	DW	DW	OFF
P ₅ -P ₈	DW	DW	DW	DW	DW	DW	DW	W/*	OFF
P ₂ -P ₇	DW	DW	DW	W/*	DW	DW	DW	DW	OFF

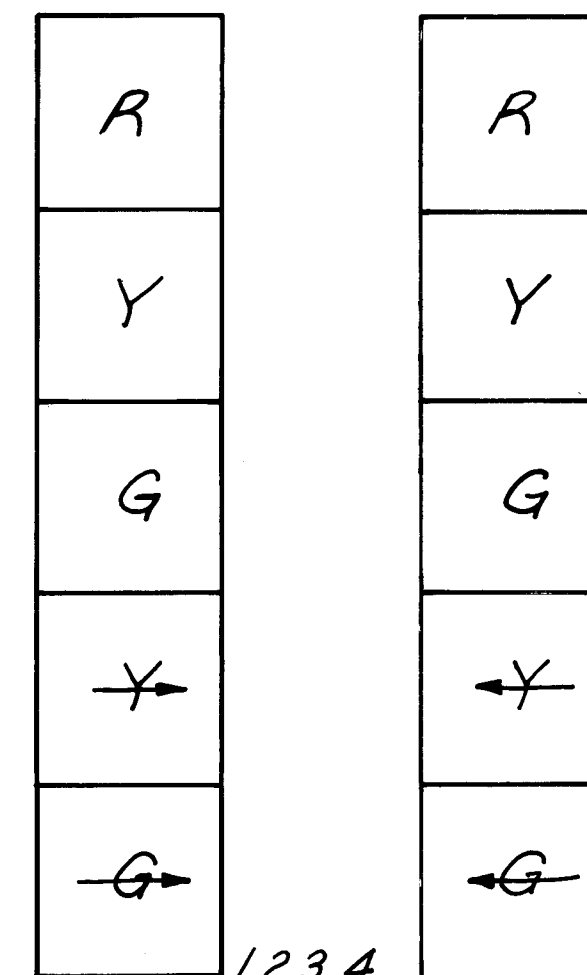
* Flashing Don't Walk

GENERAL NOTES

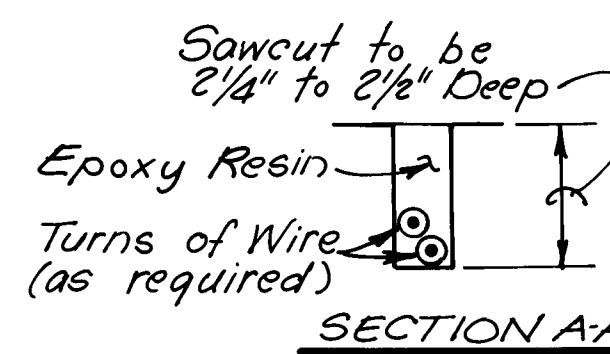
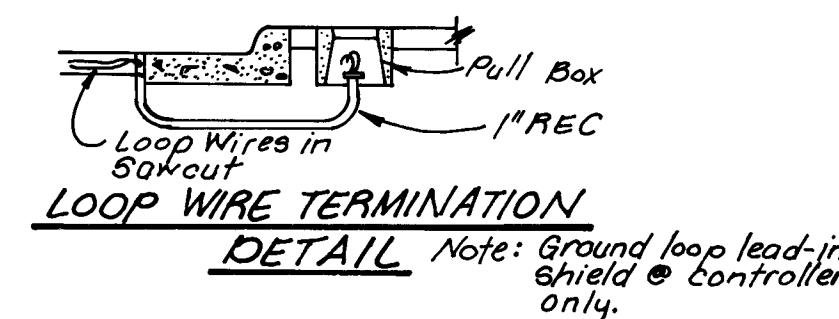
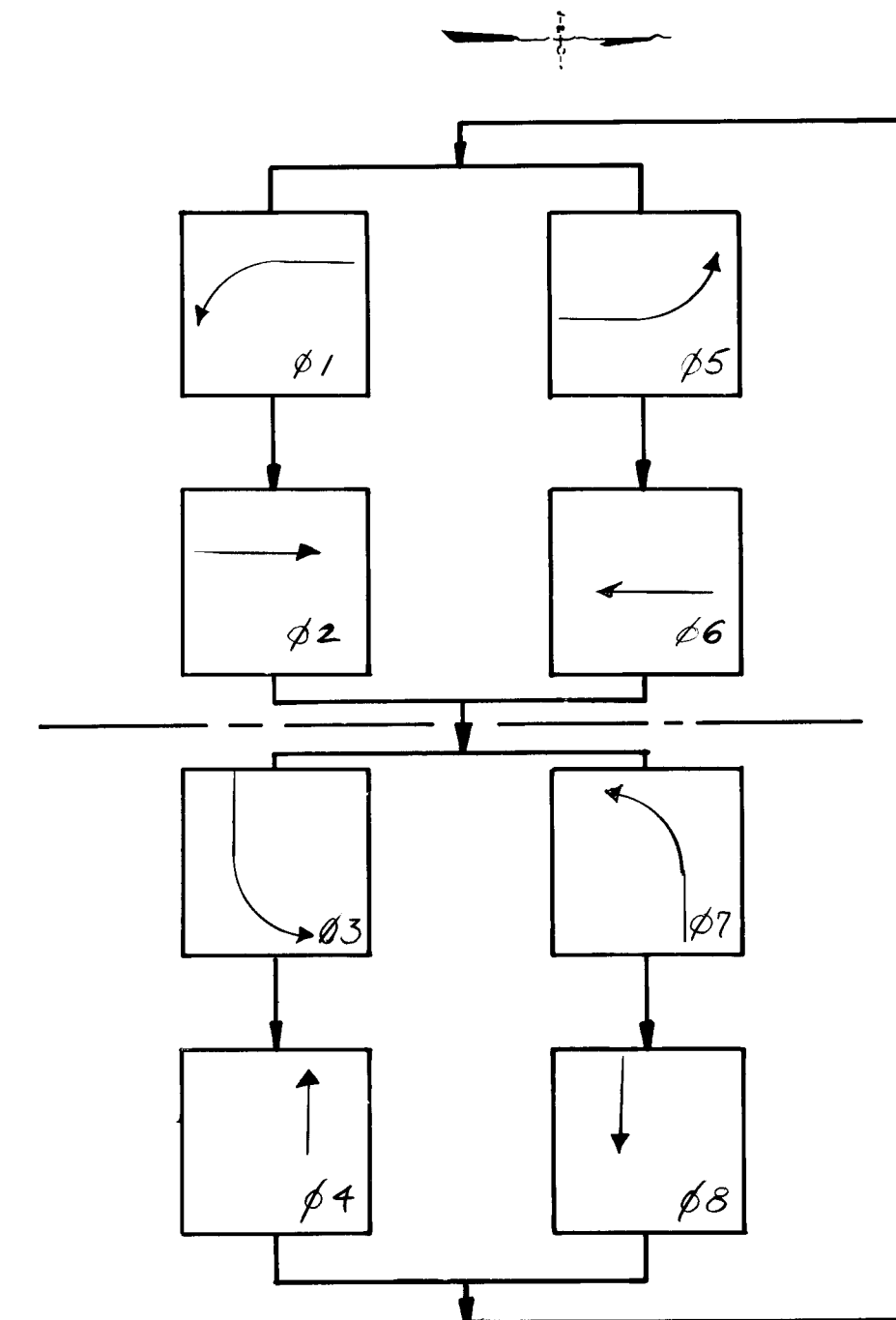
- 1) Mastarms shall be placed 90° to the centerline unless otherwise shown. All signal heads and backplates to be painted black.
- 2) The City will place the existing signals on recall when the Contractor is ready to disconnect the existing detectors. The Contractor shall be responsible for maintaining the signal structures. The City of Albuquerque will maintain timing operation.
- 3) All dimensions are to the face of curb unless otherwise noted.
- 4) All loop detector wires shall have two turns unless otherwise noted.
- 5) Existing mastarms, signal poles and signal heads, controller and cabinet, and other salvageable items designated for removal in this project will be salvaged for the City and hauled to the City Piñon Yard - Traffic signal shop. (823-4008).
- 6) Contractor to install all new signal system except the controller and controller cabinet, which the City of Albuquerque will install. The Contractor will provide the City with a 72 hour notice for installing the controller. The Contractor will "troubleshoot" the signal system operation. Change over time shall be limited to one hour at which time the intersection shall be controlled by a 4-Way Stop. After change over the Contractor will remove exposed conduit, signal standards, and foundations. See General Note 5 for salvage items.
- 7) Mount controller so door faces the sidewalk at all locations.



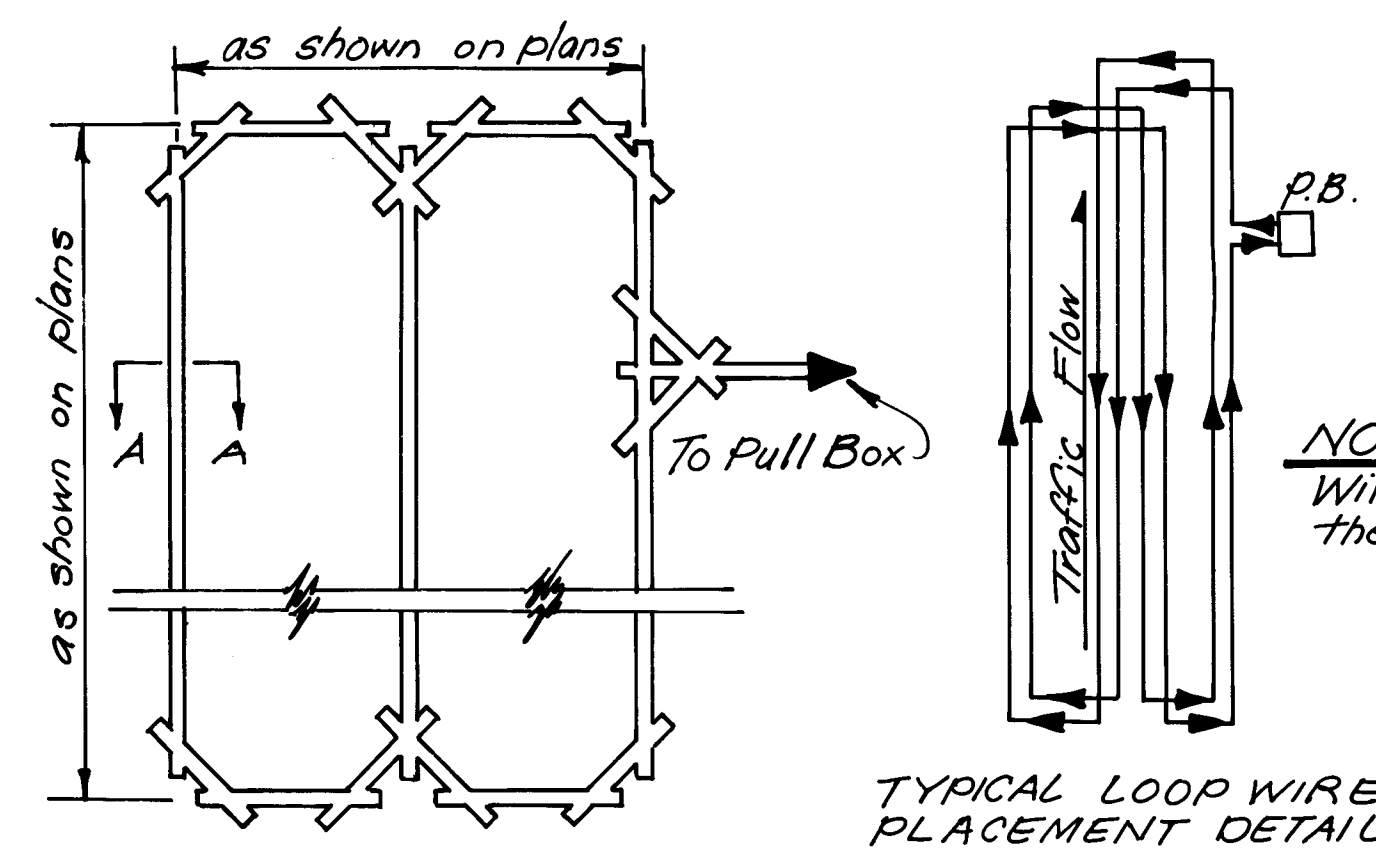
2M, 3M



1M, 4M



TYPICAL ROADWAY LOOP SAWCUT DETAIL



NOTE: Wires must be wound in the direction shown.

BILL OF MATERIALS (ESTIMATED)

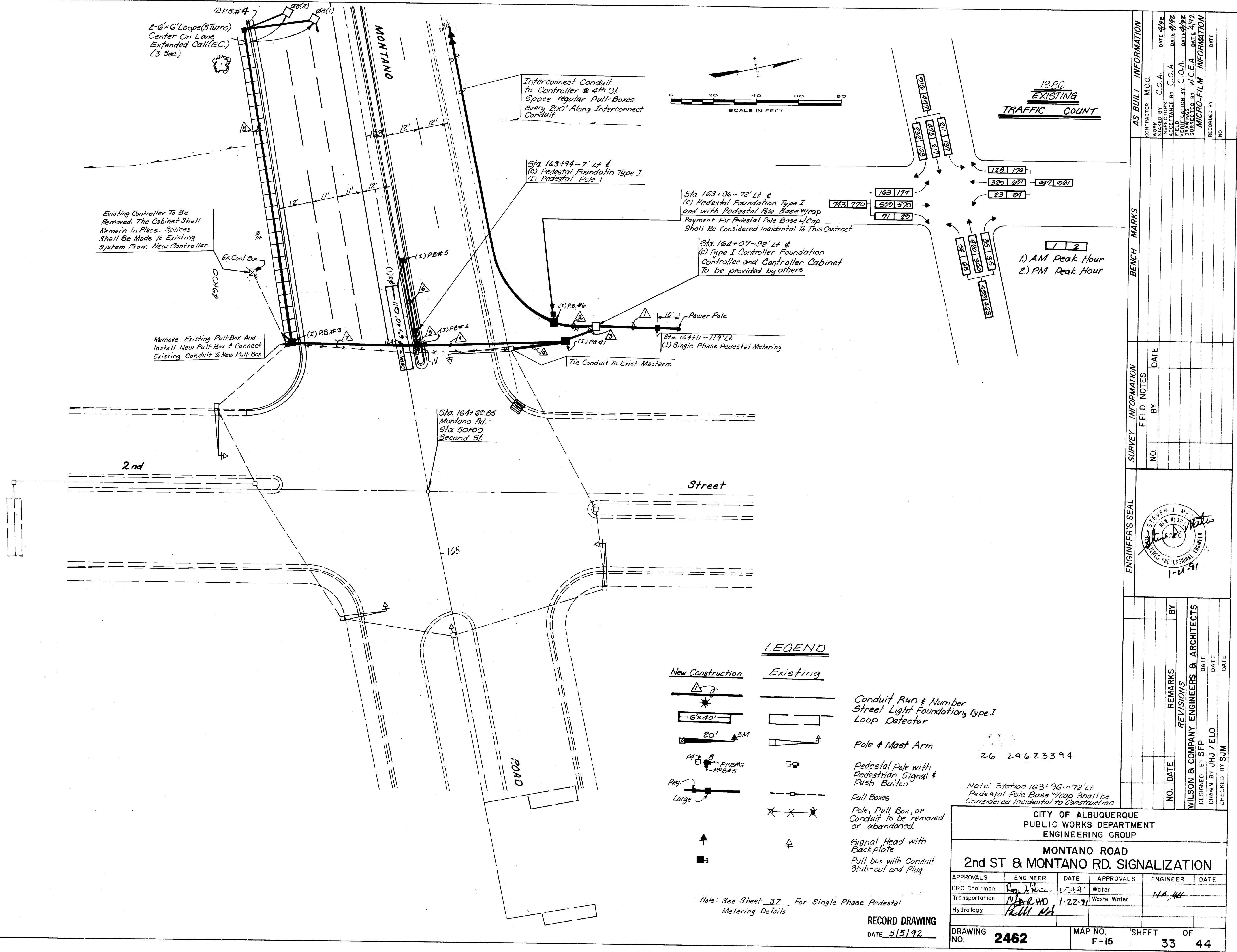
Item	Unit	Qty.
Controller Foundation Type I	Ea.	1
Pedestal Foundation Type I	Ea.	7
Mastarm Foundation Type I	Ea.	4
Street Light Foundation Type I	Ea.	1
Type I Pedestal Pole	Ea.	6
Mastarm Foundation Type II	Ea.	2
Type II Standard 25 Foot Arm	Ea.	1
Type II Standard 30 Foot Arm	Ea.	1
Type II Standard 35 Foot Arm	Ea.	2
Rigid Electrical Conduit 1"	L.F.	50
Rigid Electrical Conduit 2"	L.F.	2144
Rigid Electrical Conduit 3"	L.F.	496
Large Pull Box (17"x30")	Ea.	4
Regular Pull Box (13"x24")	Ea.	13
Multi-Conductor Cable 20/c	L.F.	932
Multi-Conductor Cable 25/c	L.F.	462
Multi-Conductor Cable 7/c	L.F.	385
Multi-Conductor Cable 5/c	L.F.	544
Single Conductor 6 1/c	L.F.	100
Single Conductor 10 1/c	L.F.	847
3-Section Traffic Signal Assembly	Ea.	2
5-Section Traffic Signal Assembly	Ea.	10
Pedestrian Signal - Neon	Ea.	8
Pushbutton Station	Ea.	8
Five Section Backplate	Ea.	2
Three Section Backplate	Ea.	2
Loop Vehicle Detector	Ea.	4
Loop Detector Wire	L.F.	1412
Loop Lead In Wire	L.F.	1964
Detector Saw Cut	L.F.	734

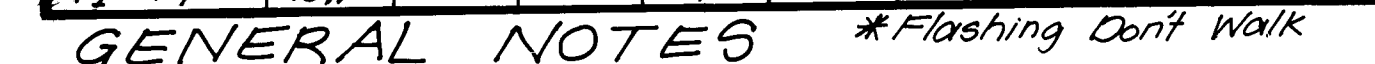
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	M.C.C.	NO.	DATE	NO.	DATE	NO.	DATE
WILSON & COMPANY	ENGINEERS & ARCHITECTS	2462	5/5/92	2462	5/5/92	2462	5/5/92
INSPECTOR'S	DATE	INSPECTOR'S	DATE	INSPECTOR'S	DATE	INSPECTOR'S	DATE
ACCEPTANCE BY C.O.A.	DATE	ACCEPTANCE BY C.O.A.	DATE	ACCEPTANCE BY C.O.A.	DATE	ACCEPTANCE BY C.O.A.	DATE
VERIFICATION BY W.C.E.A.	DATE	VERIFICATION BY W.C.E.A.	DATE	VERIFICATION BY W.C.E.A.	DATE	VERIFICATION BY W.C.E.A.	DATE
CORRECTED BY W.C.E.A.	DATE	CORRECTED BY W.C.E.A.	DATE	CORRECTED BY W.C.E.A.	DATE	CORRECTED BY W.C.E.A.	DATE
MICRO-FILM INFORMATION	DATE	MICRO-FILM INFORMATION	DATE	MICRO-FILM INFORMATION	DATE	MICRO-FILM INFORMATION	DATE
RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.	RECORDED BY	NO.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD 4th ST. & MONTANO RD. SIGNALIZATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	1-2-92	1-2-92	Water	1-2-92	1-2-92
Transportation	1-22-91	1-22-91	Waste Water	1-22-91	1-22-91
Hydrology	1-22-91	1-22-91			
DRAWING NO.	2462	MAP NO.	SHEET	OF	
			32	44	

RECORD DRAWING
DATE 5/5/92





- WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

FUNCTION CHART

CONDUCTOR	BASE COLOR	TRACER	FUNCTION	FIELD CONNECTION
1.	BLACK	—	SPARE	
2.	WHITE	—	SPARE	
3.	RED	—	⚡ 1 RED	
4.	GREEN	—	⚡ 1 GREEN	
5.	ORANGE	—	⚡ 1 YELLOW	
6.	BLUE	—	⚡ 1 WALK	
7.	WHITE	BLACK	⚡ 1 Dont Walk	
8.	RED	BLACK	⚡ 2 RED	
9.	GREEN	BLACK	⚡ 2 GREEN	
10.	ORANGE	BLACK	⚡ 2 YELLOW	
11.	BLUE	BLACK	⚡ 2 WALK	
12.	BLACK	WHITE	⚡ 2 Dont Walk	
13.	RED	WHITE	⚡ 3 RED	
14.	GREEN	WHITE	⚡ 3 GREEN	
15.	BLUE	WHITE	⚡ 3 YELLOW	
16.	BLACK	RED	⚡ 4 RED	
17.	WHITE	RED	⚡ 4 GREEN	
18.	ORANGE	RED	⚡ 4 YELLOW	
19.	BLUE	RED	⚡ 4 WALK	
20.	RED	GREEN	⚡ 4 Dont Walk	
21.	ORANGE	GREEN	SPARE	

NOTE: IDENTIFY CABLES ABOVE AS "115 VOLTS" AND CABLES BELOW AS "P.P.B.-LOW VOLTAGE" AT EACH SPLICE POINT.
5 CONDUCTOR CABLE 24 VOLTS (PUSH BUTTONS ONLY).

1.	BLACK	—	⚡ 2 PPB
2.	WHITE	—	COMMON
3.	RED	—	⚡ 4 PPB
4.	GREEN	—	⚡ 6 PPB
5.	ORANGE	—	⚡ 8 PPB

NOTE: WRAP RING 2 CABLE AT EACH SPLICE POINT WITH COLORED ELECTRICAL TAPE, AT EACH END OF CABLE, 6" BACK FOR IDENTIFICATION.

[illegible][illegible][illegible]

CABLE RUNS CONT.					
Cable	Length	Notes	AWG	Type	Remarks
Pedestal #4	15	7/c	14	MCC	Signal #4V
Pedestal #5	15	5/c	14	MCC	Signal #1A
	15	5/c	14	MCC	Signal #G
	15	5/c	14	MCC	P ₃ , PPB #14 #2
Pedestal #6	15	5/c	14	MCC	P ₃ , PPB #7 #3B
Pedestal #7	15	5/c	14	MCC	Signal #5
	15	5/c	14	MCC	Signal #9A
	15	5/c	14	MCC	P ₃ , PPB #6 #5
Pedestal #8	15	5/c	14	MCC	P ₃ , PPB #3 #4

CABLE RUNS CONT.					
Cable	Length	Size	AWG	Type	Remarks
2	10'	7/c	14	MCC	
	10'	1/c	10	THW	
	1-Loop Line In Wire				
2	1-Loop Line In Wire				
2	80'	20/c	14	MCC	
	80'	25/c	14	MCC	
	4-Loop Line In Wire				
2	1-Nylon Pull Wire				
2	1-Nylon Pull Wire				
2	1-Nylon Pull Wire				
2	1-Nylon Pull Wire				
Mastarm #1					
	44'	7/c	14	MCC	Signal #1M
	15'	5/c	14	MCC	Signal #1
	40'	5/c	14	MCC	P1
	44'	1/c	10	THW	Sig #1M (Neutral)
Mastarm #2					
	50'	7/c	14	MCC	Signal #2M
	50'	1/c	10	THW	Sig. 2M (Neutral)
	15'	5/c	14	MCC	Signal #2
	10'	5/c	14	MCC	P2
Mastarm #3					
	44'	7/c	14	MCC	Signal #3M
	44'	1/c	10	THW	Sig. 3M (Neutral)
	15'	5/c	14	MCC	Signal #3
	10'	5/c	14	MCC	P3
Mastarm #4					
	40'	7/c	14	MCC	Signal #4M
	40'	1/c	10	THW	Sig. 4M (Neutral)
	15'	5/c	14	MCC	Signal #4
	10'	5/c	14	MCC	P4
Pedestal #1					
	15'	7/c	14	MCC	Signal #1A
Pedestal #2					
	15'	5/c	14	MCC	Signal #2A
Pedestal #3					
	15'	5/c	14	MCC	Signal #3A

RECORD DRAWING
DATE 5/5/92

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	<i>Reg. Allen</i>	1-24-91	Water	<i>NA</i>	
Transportation	<i>N/A</i>	1-22-91	Waste Water		
Hydrology	<i>LOW N/A</i>				
DRAWING NO. 2462		MAP NO.		SHEET 35 OF 44	

85-517

ENGINEER'S SEAL		SURVEY		INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES						CONTRACTOR M.C.C.	
NO.	BY	DATE							
									WORK
									STARTED BY C.O.A. DATE 4/92
									ACCEPTED BY C.O.A. DATE 9/92
									FIELD VERIFICATION BY C.O.A. DATE 9/92
									RECORDED BY W.C.E.A. DATE 4/92
									MICRO-FILM INFORMATION
									RECORDED BY DATE
									NO.

12-12-1

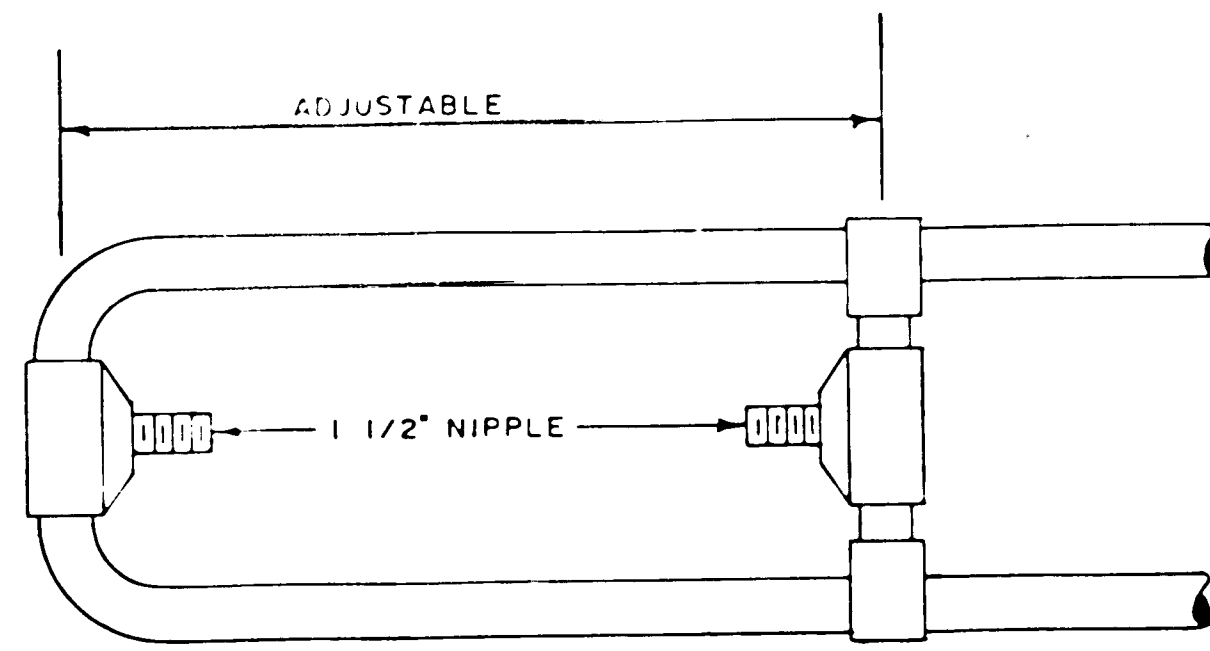
REVISIONS

NO.	DATE	REMARKS	BY

WILSON & COMPANY ENGINEERS & ARCHITECTS

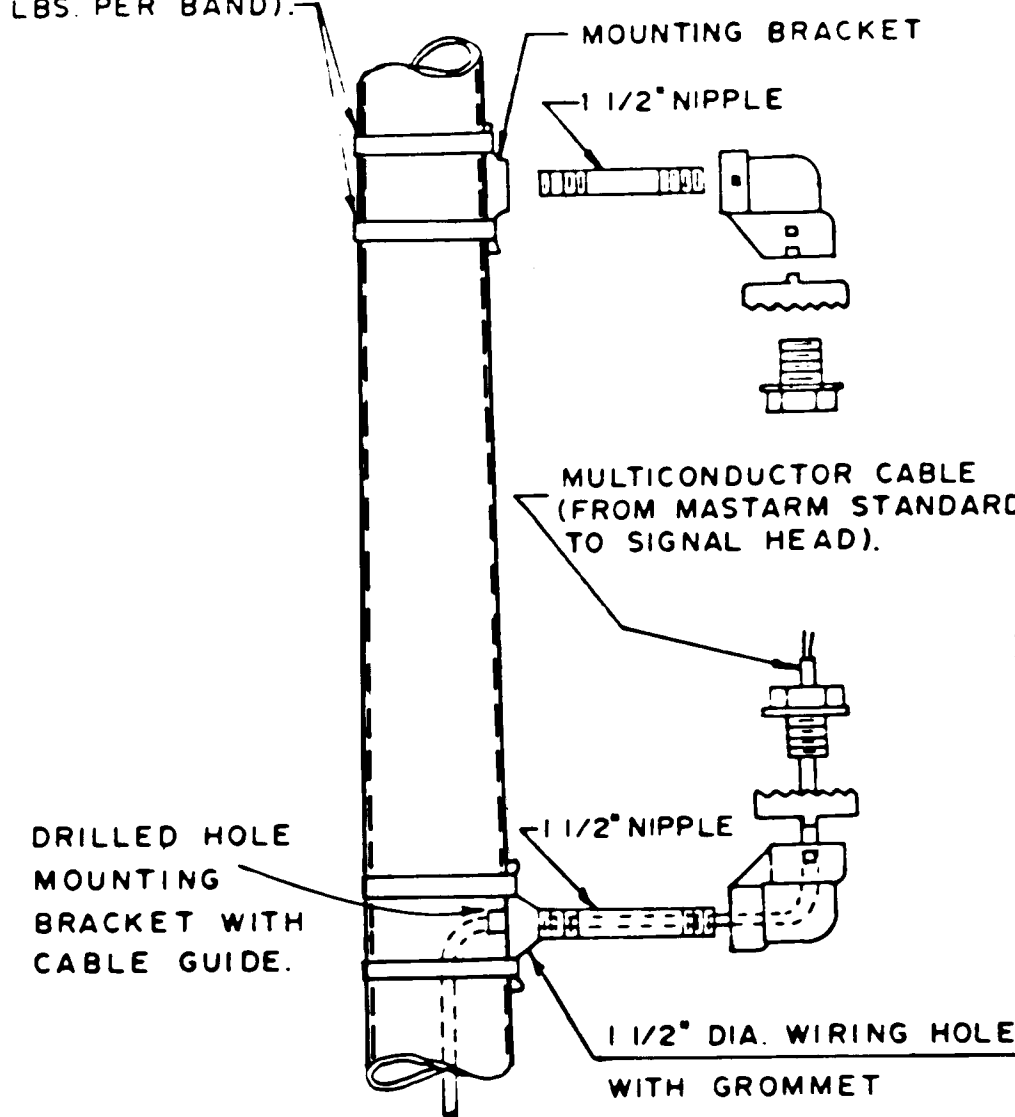
DESIGNED BY S.F.P. DATE 6/86

DRAWN BY R.A.G. DATE 6/86

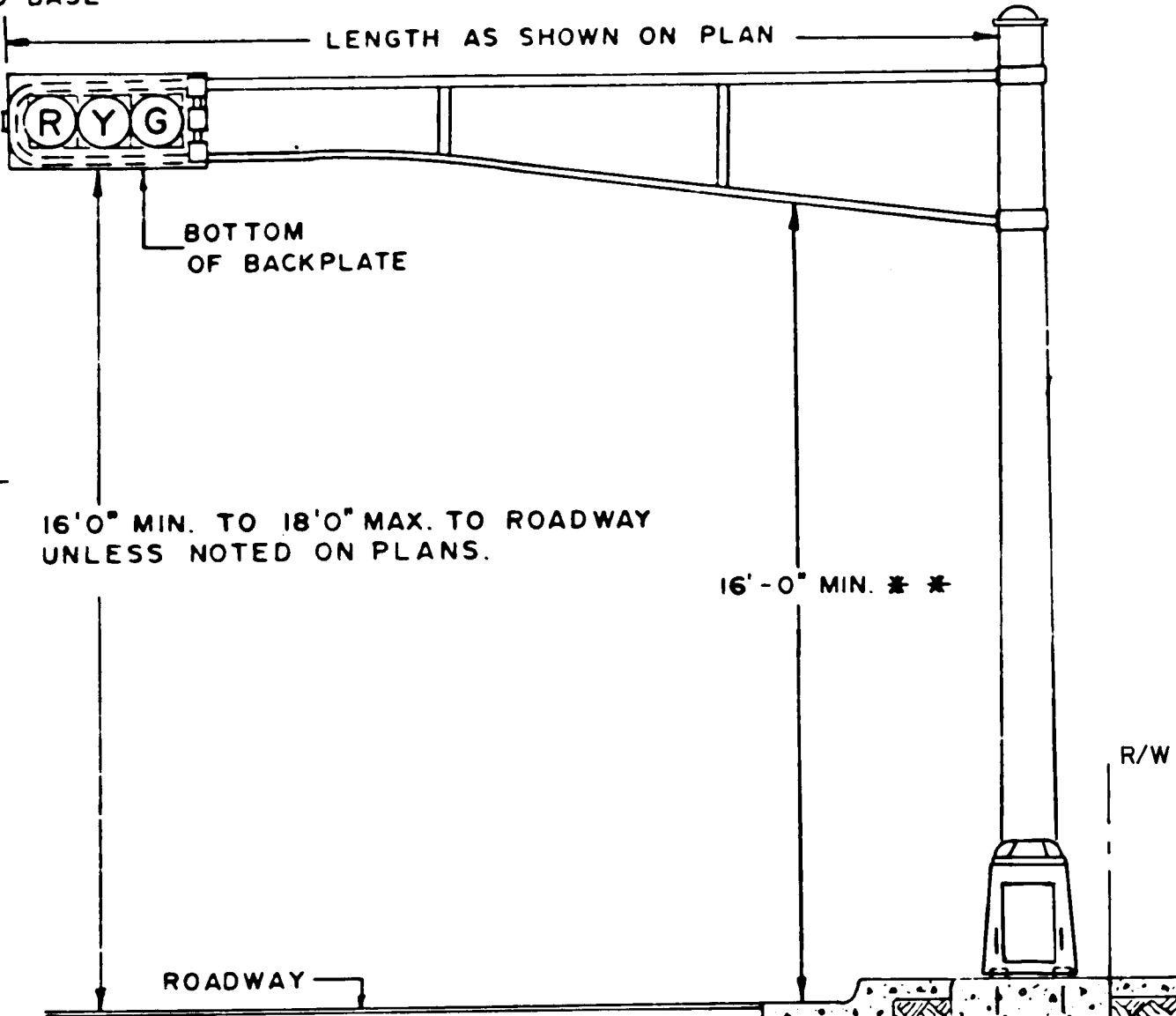


HORIZONTAL MOUNTING DETAIL

3/4" STAINLESS STEEL BANDS
(ULTIMATE BREAKING STRENGTH
2400 LBS. PER BAND).

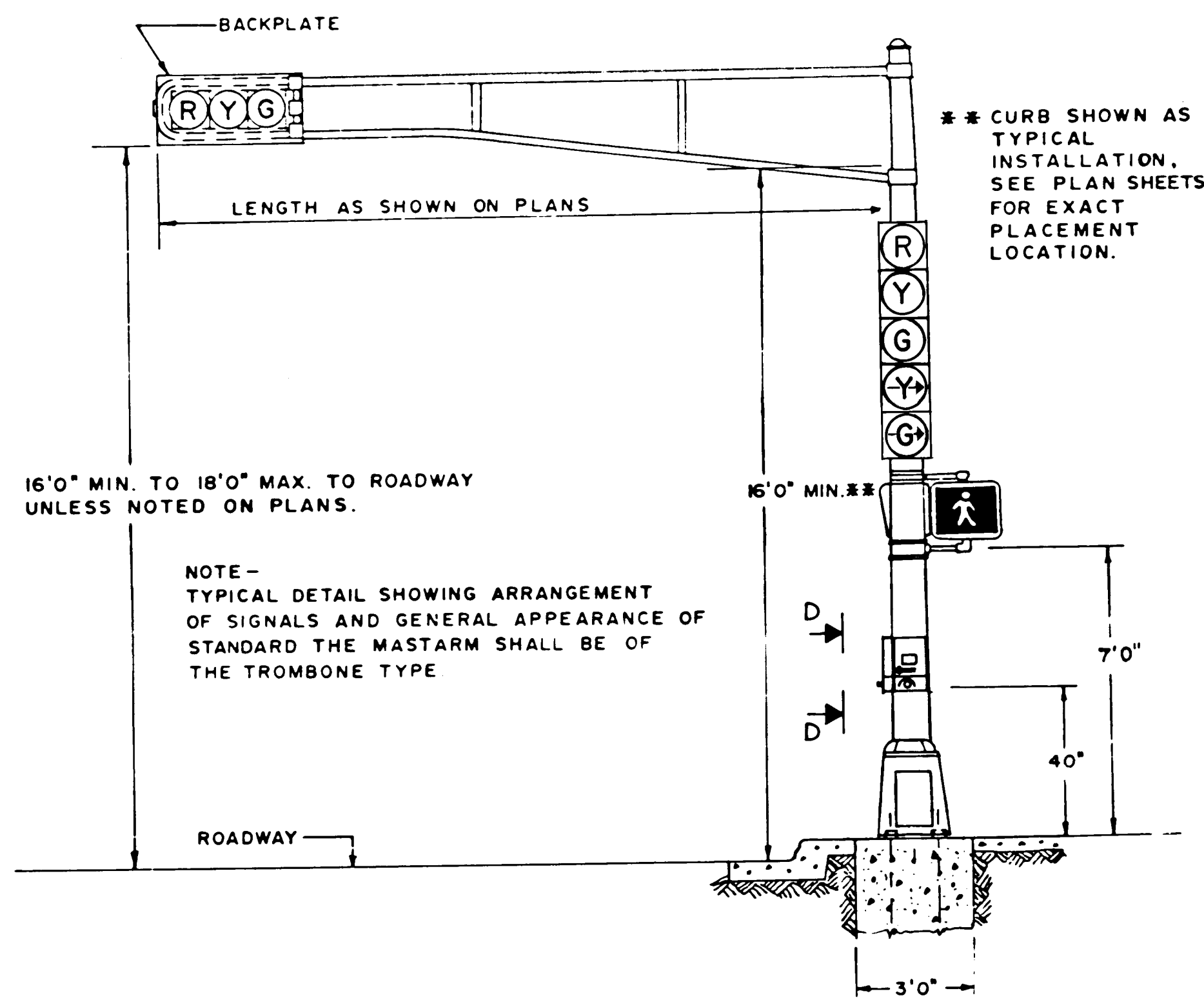


MOUNTING DETAIL
(SIDE OF SHAFT)

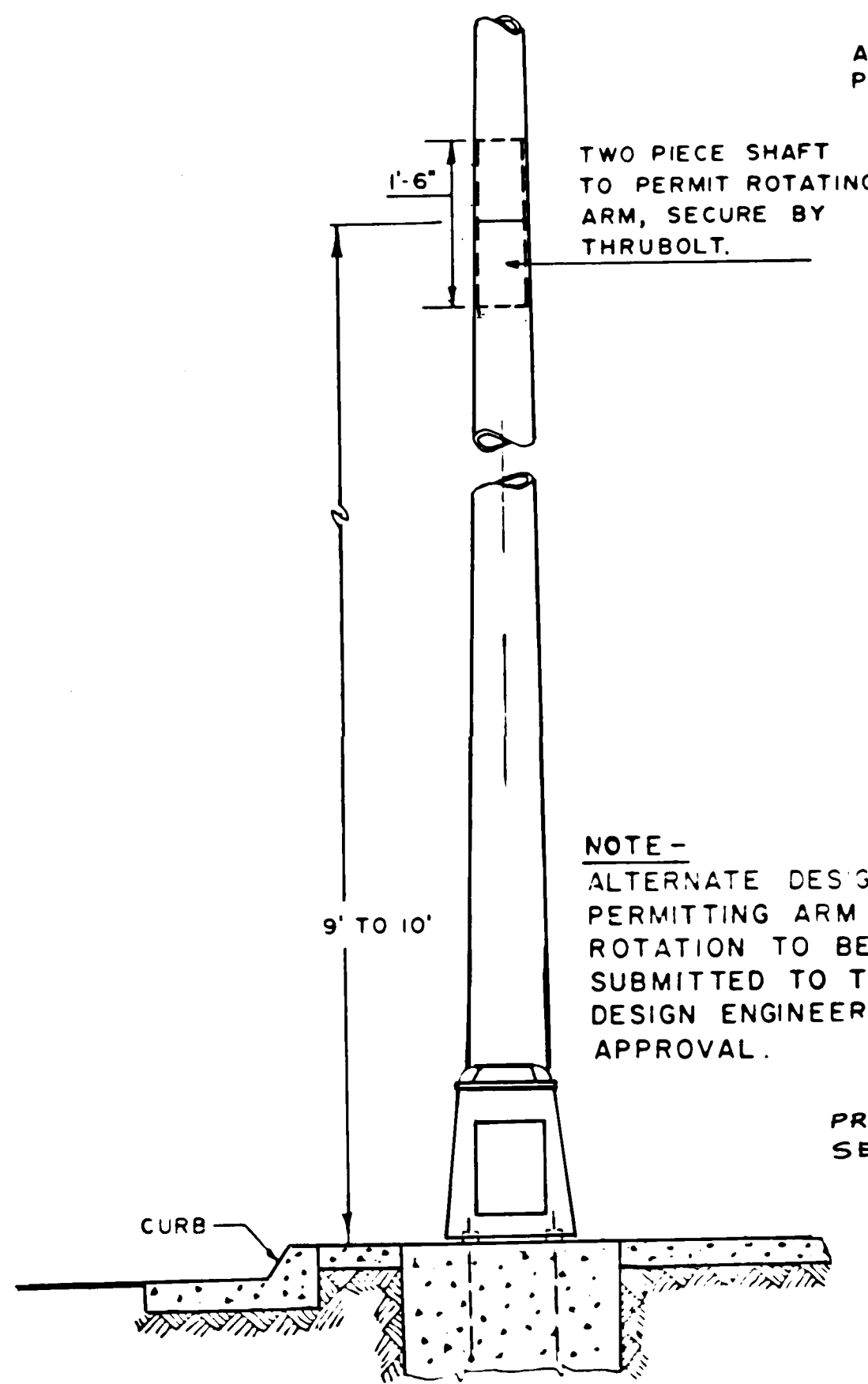


COMBINATION TRAFFIC SIGNAL AND LUMINAIRE STANDARD
TYPE III (TYPE "B" ARM)

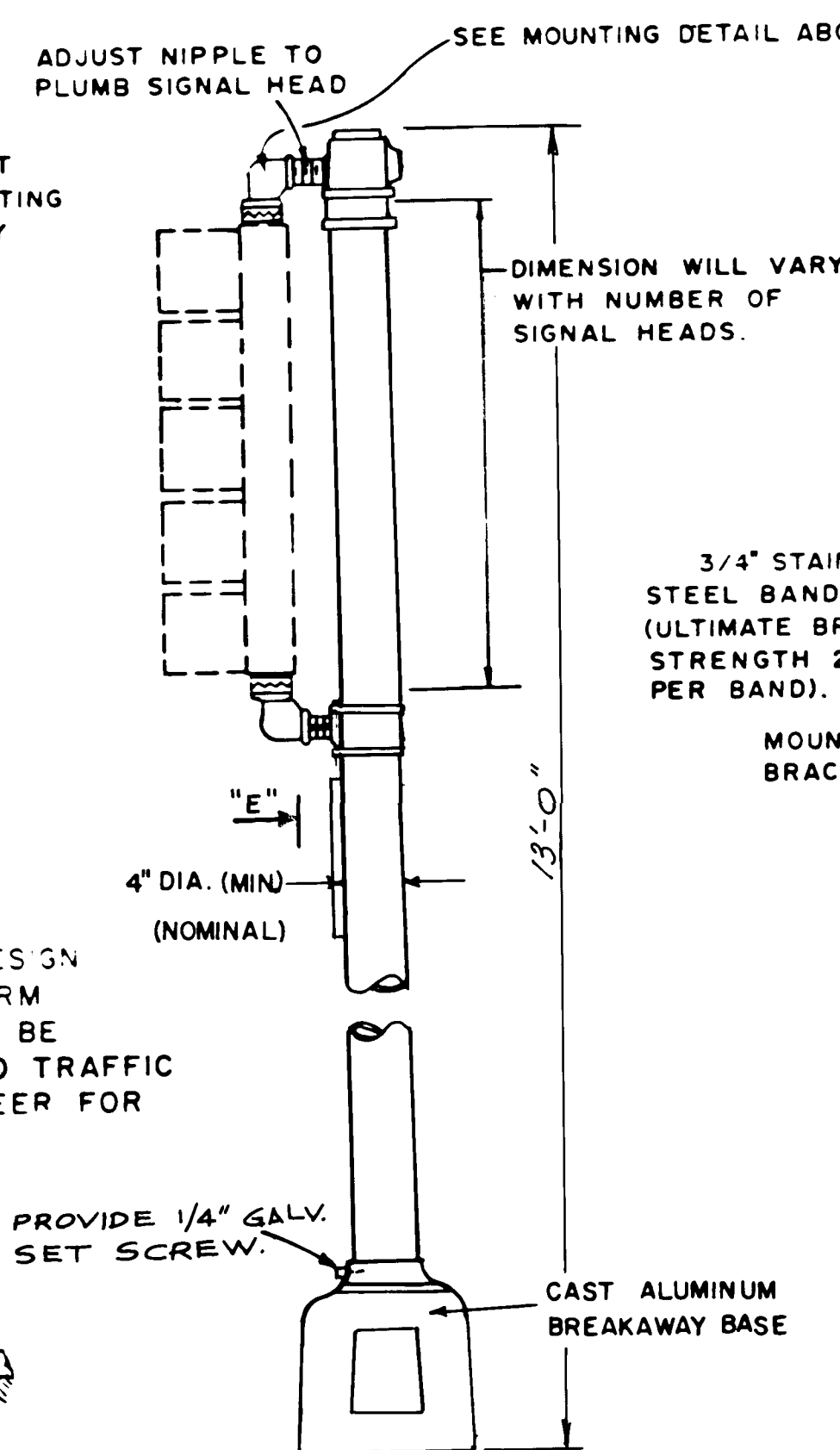
NOTE -
ALL TRAFFIC HEADS 12 INCH WITH SQUARE DOOR HOUSING.



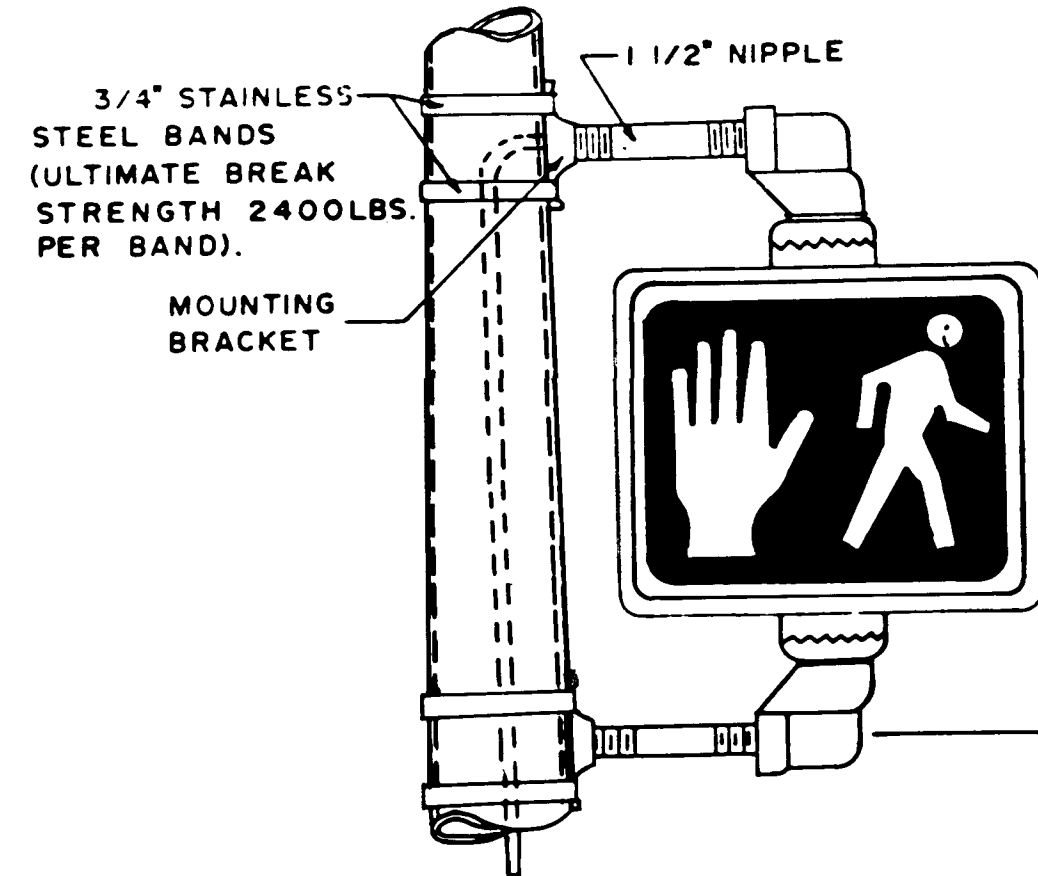
TRAFFIC SIGNAL STANDARD DETAIL - TYPE II (TYPE "B" ARM)



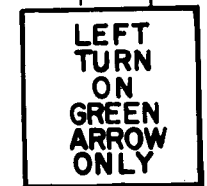
ROTATABLE ARM DETAIL



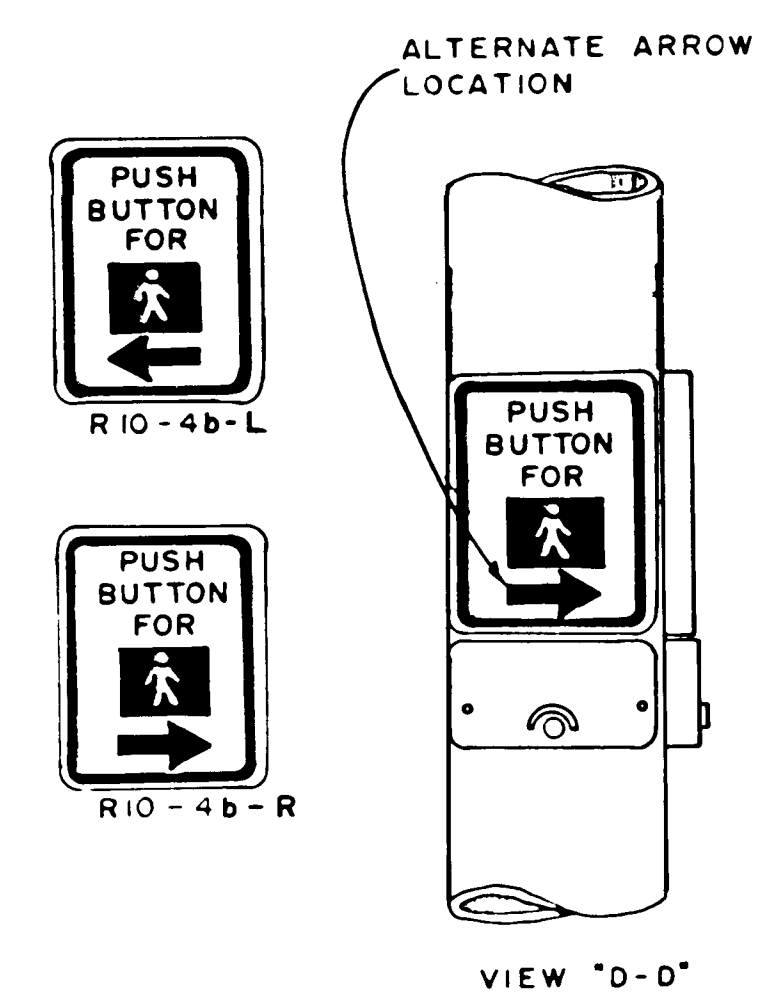
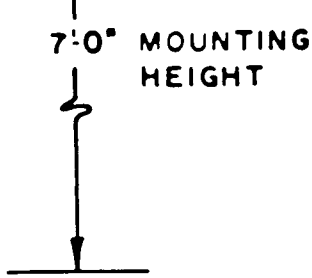
MOUNTING DETAIL
(TOP OF TYPE I STANDARD)



PEDESTRIAN SIGNAL



NOTE - SIGN TO BE PROVIDED AND INSTALLED
BY THE CITY OF ALBUQUERQUE



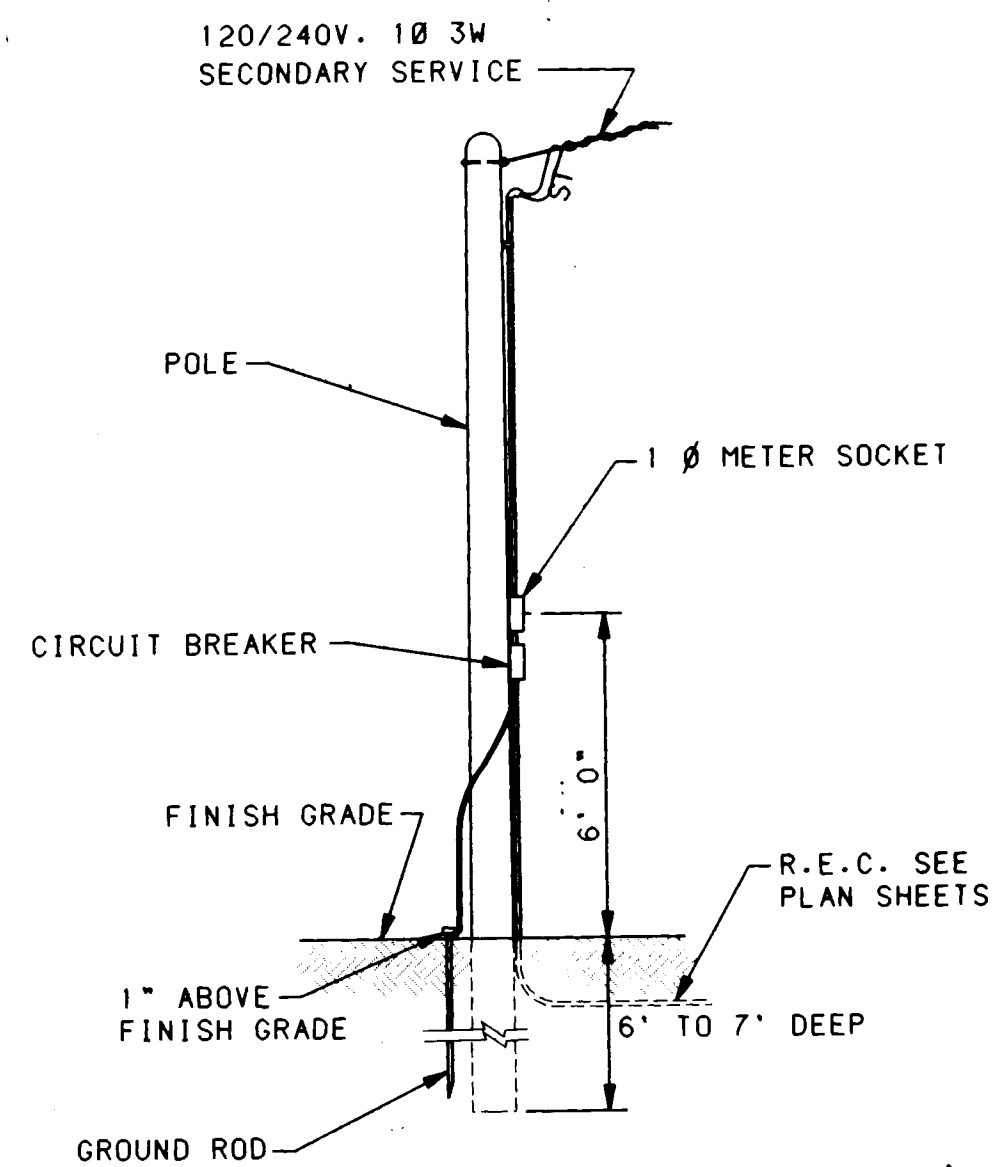
PUSH BUTTON DETAIL

NOTE - SIGN TYPES REQUIRED LISTED
ON PLAN SHEETS.

RECORD DRAWING
DATE 5/5/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
MONTANO ROAD MAST ARM DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	1-2-92	1-2-92	Water	NA	4/92
Transportation	NA	1-22-91	Waste Water	NA	4/92
Hydrology	1-22-91	1-22-91			
DRAWING NO.	2462	MAP NO.	SHEET	OF	
			36	44	

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO



NOTE:

PROVIDE ONE 50A, 1P 120V. CIRCUIT FOR CONTROLLER SIGNALS AND ONE 50A, 1P CIRCUIT FOR DUPLEX CONVENIENCE OUTLET IN CONTROLLER. (USE A 15A FUSE TO PROTECT THIS CIRCUIT.)

MATERIAL LIST

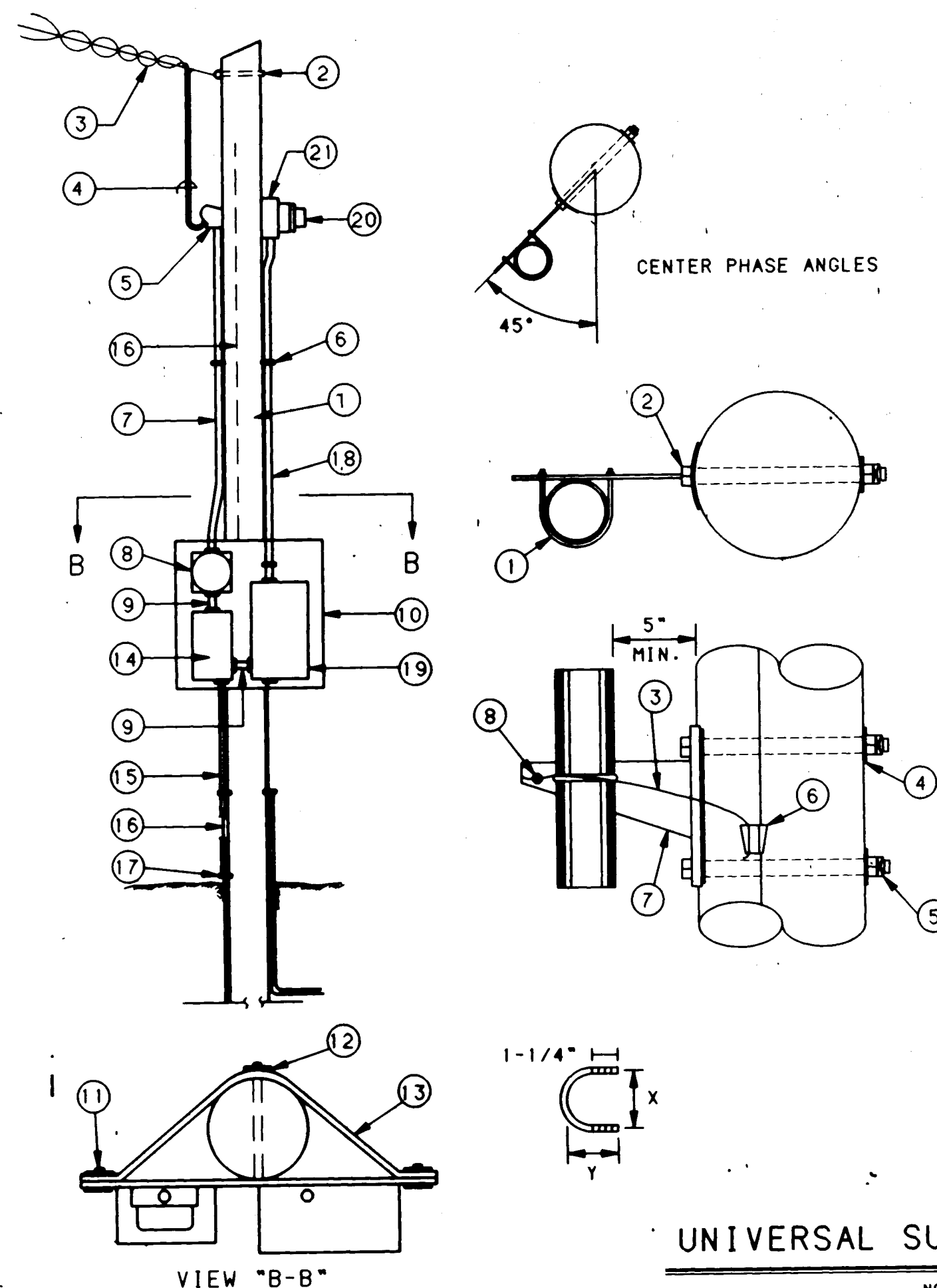
- 1 25' TREATED POLE
- 1 1" X 1" G.R.C. NIPPLE
- 1 SINGLE PHASE METER SOCKET
- 2 CIRCUIT BREAKERS 50A
- 1P IN RAINTIGHT ENCLOSURE (N.E.M.A. 3R)
- 30' 1/C NO. 6 THW BLACK
- 30' 1/C NO. 6 THW WHITE
- 30' 1/C NO. 6 THW RED
- 1 COPPERWELD 3/4" X 10'-0" GROUND ROD
- 1 GROUND ROD CLAMP
- 20' 1" GALV. RIGID CONDUIT (APPROX.)
- 1 5/8" EYEBOLT
- 1 1" WEATHERHEAD
- 10' NO. 6 BARE COPPER GROUND WIRE
- 5' 1/2" GALV. RIGID CONDUIT

SERVICE POLE (SIGNAL)

NO SCALE

NOTE:

ALL SIGNAL AND LIGHTING SERVICE DETAILS SHALL BE IN ACCORDANCE WITH THE PNM ELECTRIC SERVICE GUIDE, 1989 EDITION.



MATERIAL LIST

- 1 WOOD POLE FULLY TREATED - 30'-5"
- 1 EYE BOLT 5/8" Ø
- 3 WIRE - 120/240 VOLT 1Ø SECONDARY
- 60' NO. 6 WIRE THW IDENTIFY PHASES
- 1 1" SERVICE ENTRANCE WEATHERHEAD
- CONDUIT CLAMPS
- 15' 1" GALVANIZED RIGID STEEL CONDUIT
- 1 METER SOCKET 1Ø
- NIPPLES
- 1 TREATED PLYWOOD BACKBOARD 3/4" X 36" X 36"
- 4 1/4" GALVANIZED BOLT, NUT AND WASHER
- 2 5/8" BOLT THROUGH POLE, BOARD AND STRAP
- 2 1" X 1/8" GALVANIZED STEEL STRAP
- 1 AMP 2P. RAINTIGHT MULTI-BREAKER
- 6' 1/2" GALVANIZED RIGID STEEL CONDUIT
- 10' NO. 6 AWG BARE SOLID WIRE
- 1 3/4" Ø X 10'-0" COPPERWELD GROUND ROD AND CLAMP
- 15' 3/4" GALVANIZED RIGID STEEL CONDUIT - 3 NO. 12 THW
- 1 AMP 2P. LIGHTING CONTACTOR R.T. 240 VOLT
- 1 PHOTO-ELECTRIC CONTROLLER, FACING NORTH 16' ABOVE GRADE - 240 VOLT 1Ø
- 1 WEATHERPROOF JUNCTION BOX

SERVICE POLE (LIGHTING)

NO SCALE

MATERIAL LIST

- 1 U BOLT
- 2 5/8" X MACHINE BOLTS
- 3" #4 SOL CU WIRE
- 2 2-1/4" SQUARE WASHER
- 2 5/8" MF LOCKNUT
- 1 LINE TAP
- 1 SUPPORT BRACKET
- 1 GROUNDING LUG

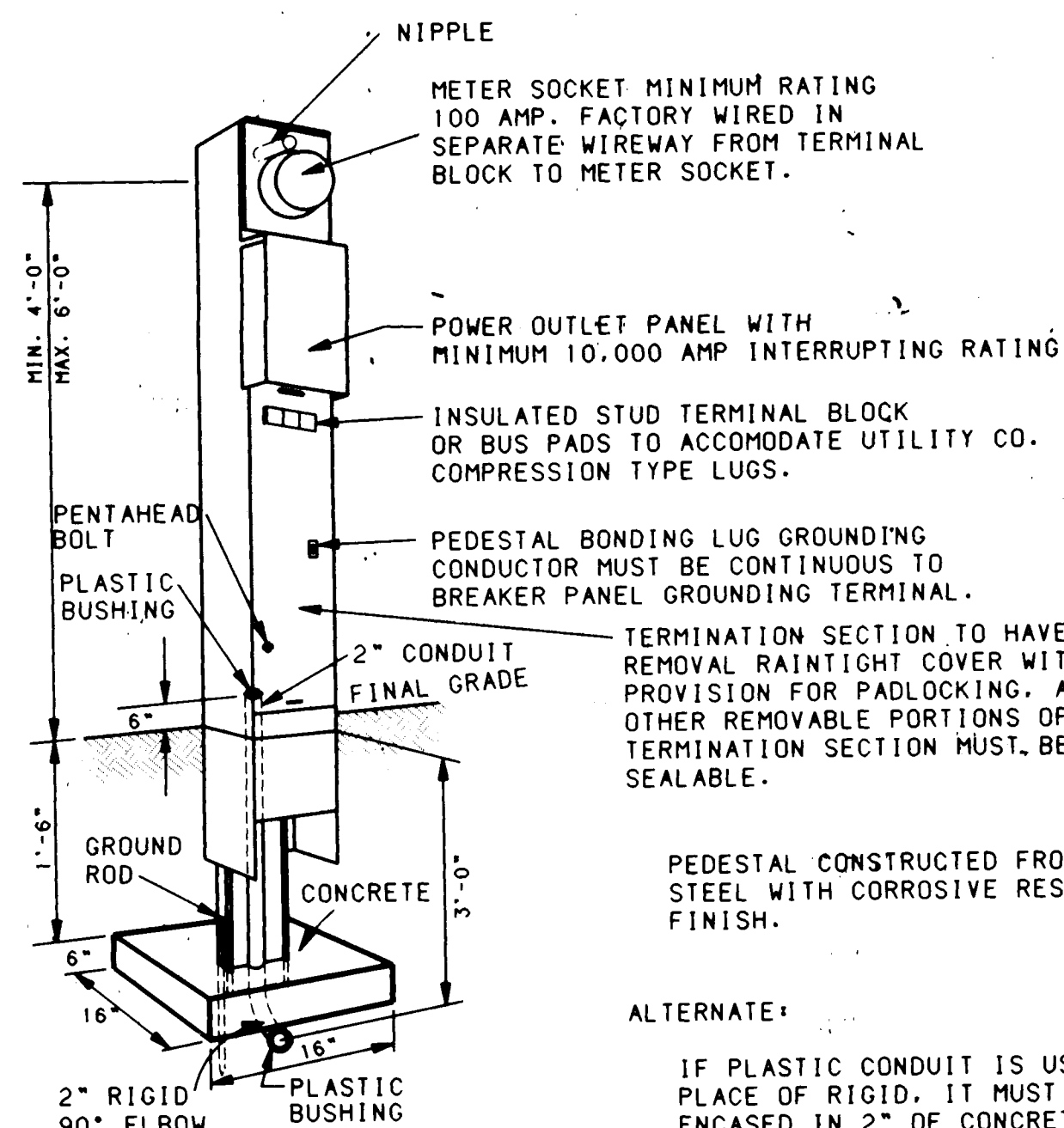
NOTES

1. BRACKET TO BE FASTENED TO POLE WITH 5/8" GALVANIZED MACHINE BOLTS.
2. BRACKET SUITABLE FOR TWO 2", OR ONE 4" CONDUIT.
3. TWO HOLE STRAPS ATTACHED AT 30" INTERVALS WITH 2" LAG SCREWS MAY BE USED INSTEAD OF THE SUPPORT BRACKET WHEN THE CONDUIT IS 1" OR LESS. A MAXIMUM OF TWO CONDUITS MAY BE STRAPPED DIRECTLY TO THE POLE.

SIZE CONDUIT	X	Y
2"	2-7/8"	3-5/8"
4"	5"	5-3/4"

UNIVERSAL SUPPORT BRACKETS

NO SCALE



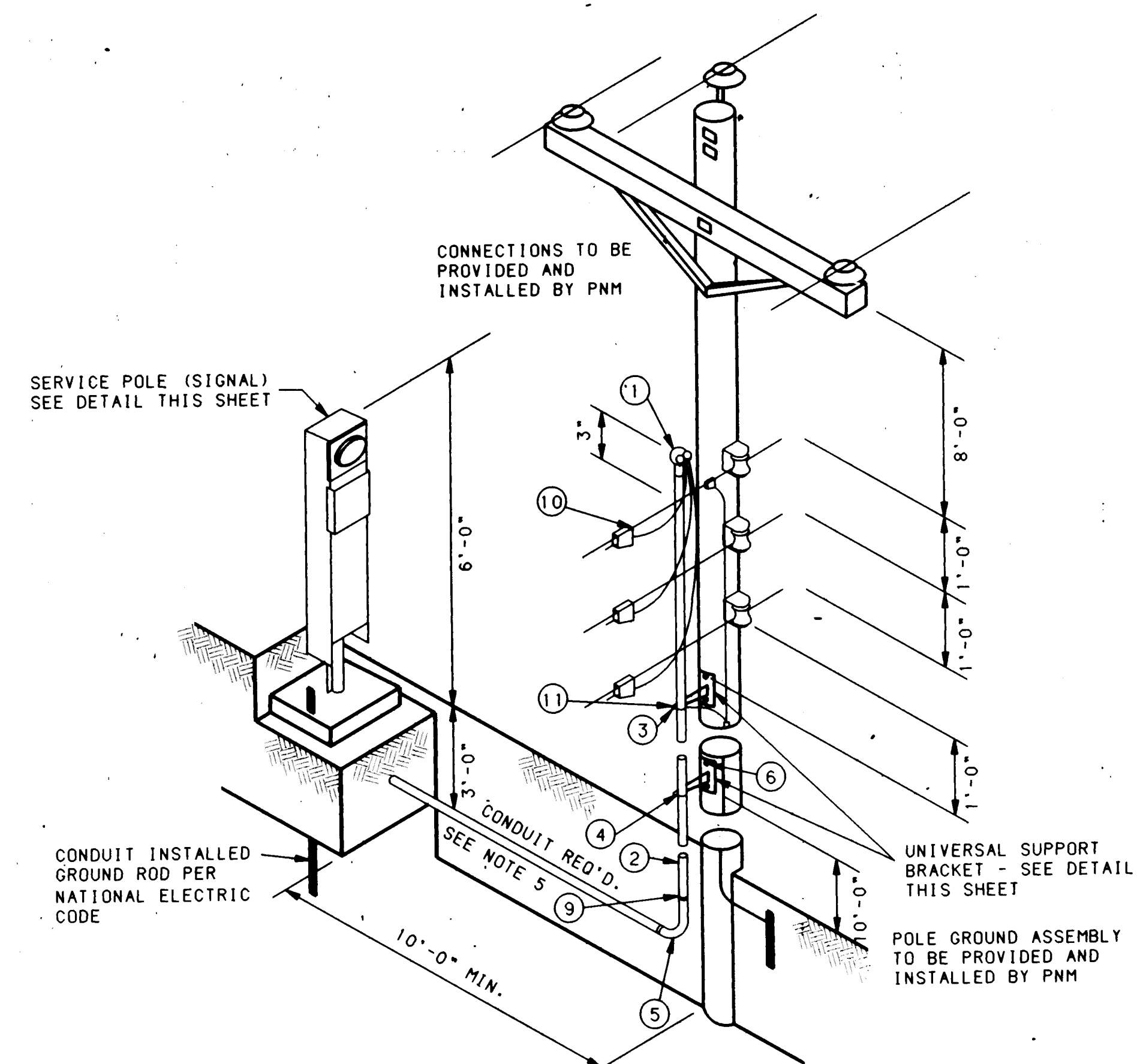
PEDESTAL CONSTRUCTED FROM 14 GA. STEEL WITH CORROSIVE RESISTANT FINISH.

ALTERNATE:

IF PLASTIC CONDUIT IS USED IN PLACE OF RIGID, IT MUST BE ENCASED IN 2" OF CONCRETE FROM WHERE IT ENTERS METAL ENCLOSURE TO 18" BELOW GROUND LEVEL.

SERVICE POLE (SIGNAL & LIGHTING) Δ (FOR UNDERGROUND SERVICE)

NO SCALE



SINGLE PHASE PEDESTAL METERING NOTES

1. WEATHERHEAD SHALL BE 3" ABOVE NEUTRAL.
2. NO STANDOFF BRACKET REQUIRED IF CONDUIT IS 1" OR LESS. UP TO 2 CONDUITS 1" OR LESS MAY BE STRAPPED TO THE POLE.
3. CONTACT PNM CUSTOMER SERVICES FOR POLE QUADRANT.
4. ALL ABOVE-GRADE CONDUIT SHALL BE RIGID GALVANIZED OR IMC.
5. ALL UNDERGROUND CONDUIT EXCEPT TYPE DB PVC, SCHEDULE 40 PVC, RIGID GALVANIZED OR IMC MUST BE CONCRETE ENCASED.
6. RISER BRACKET ASSEMBLY MUST HAVE PROVISIONS FOR GROUNDING BY PNM.

MATERIAL LIST

- 1 2" CLAMP TYP WEATHER HD
- 30' 2" GALVANIZED CONDUIT
- 2 UNIVERSAL SUPPORT BRACKET
- 2 2" PIPE STRAP KIT
- 1 2" GALVANIZED ELBOW
- 4 5/8" X MACHINE BOLT
- 4 5/8" LOCKNUT
- 4 2-1/4" SQUARE WASHER
- 1 2" GALVANIZED COUPLING
- 3 LINE TAP
- 2 #10-#2 GROUND LUG
- 1 GROUND ASSEMBLY

SINGLE PHASE PEDESTAL METERING

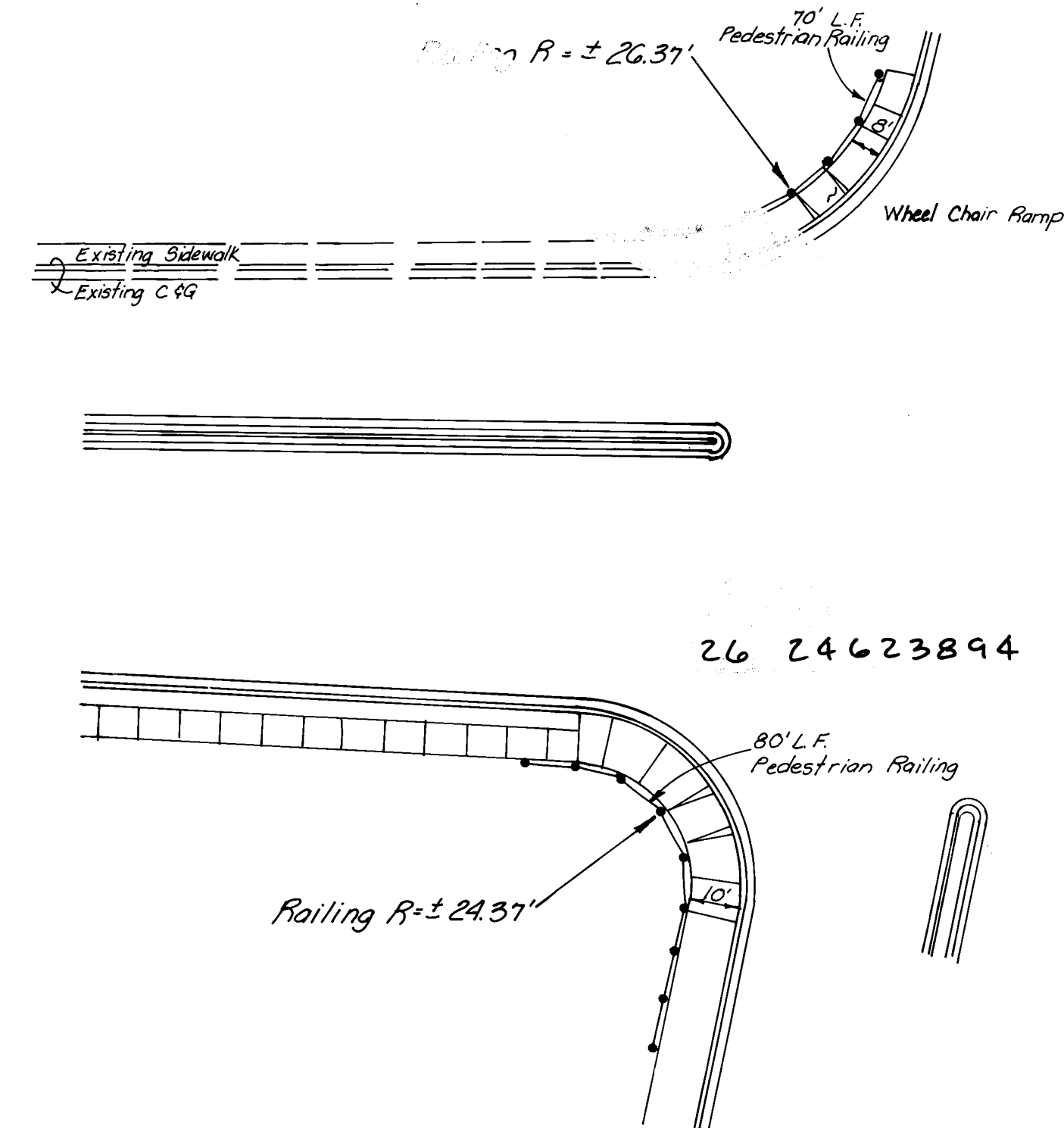
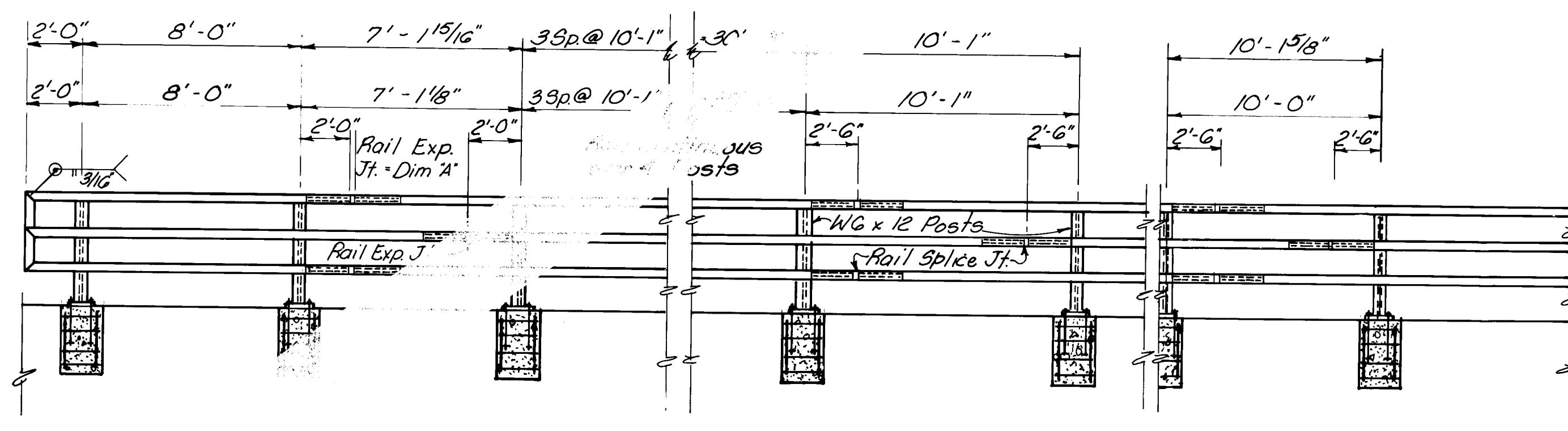
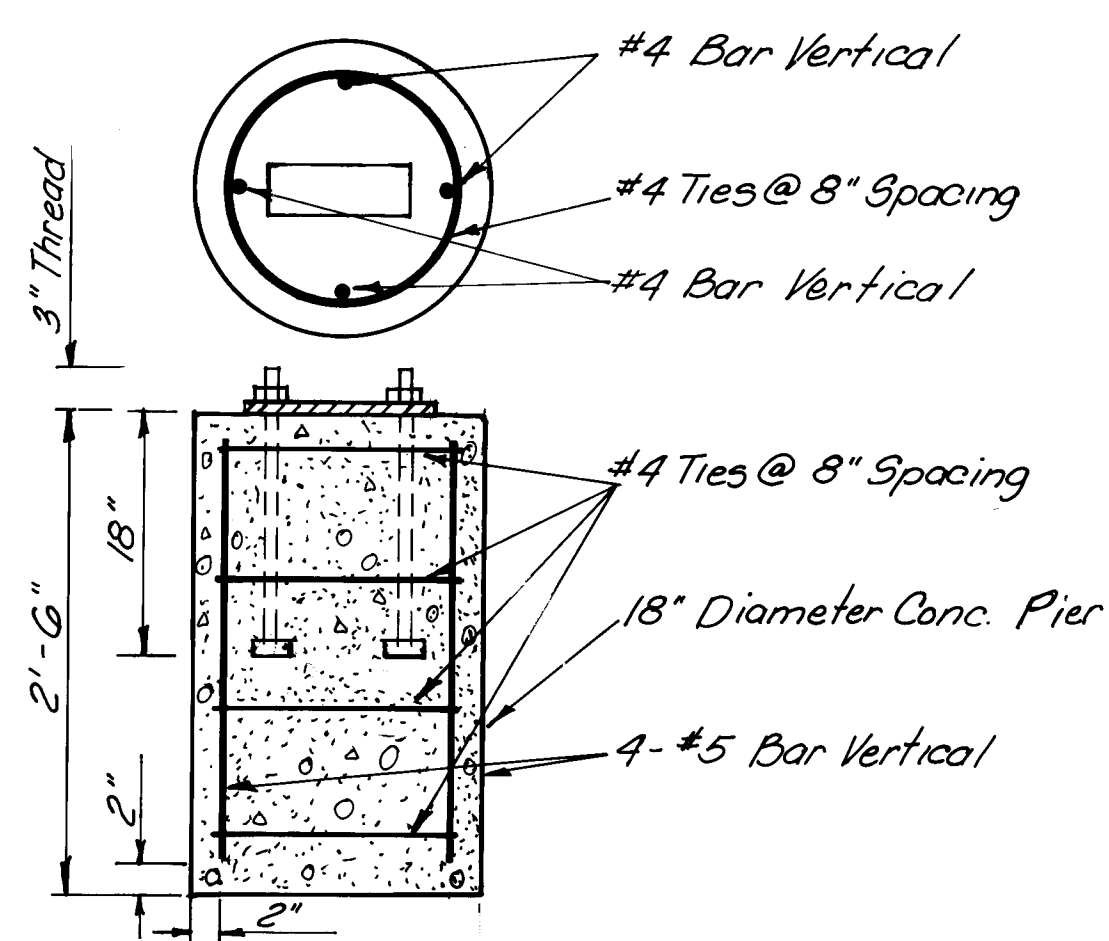
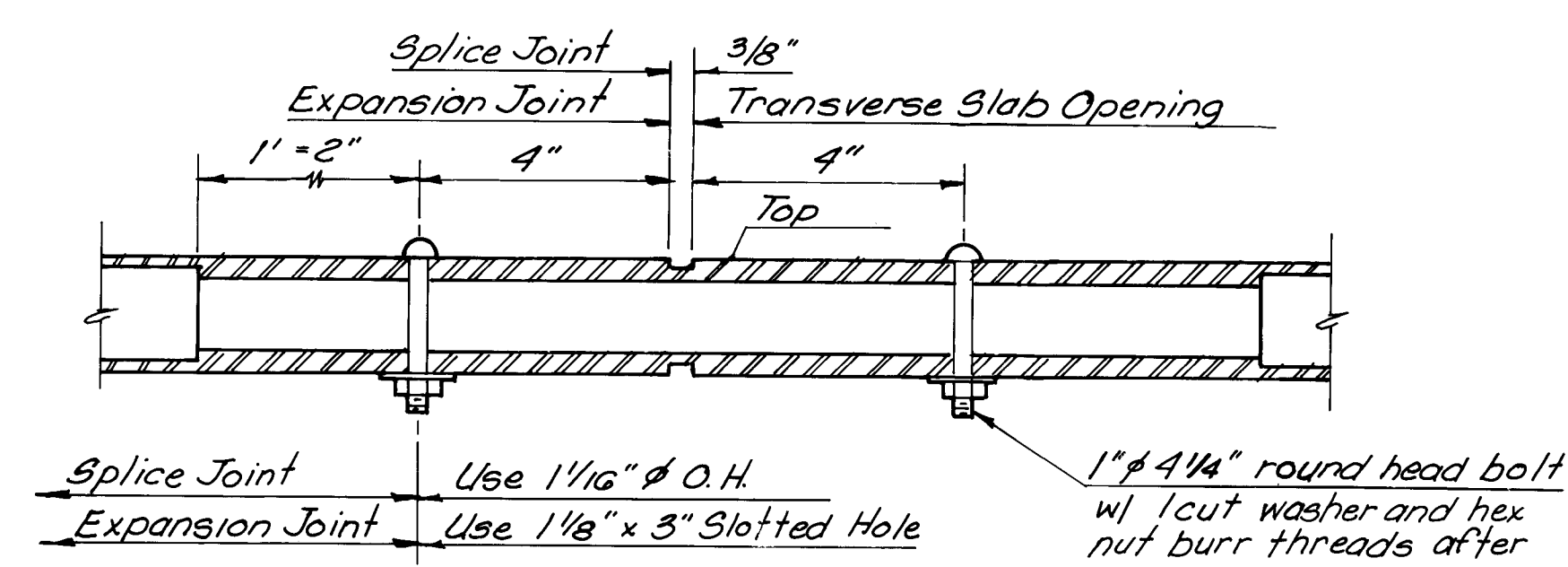
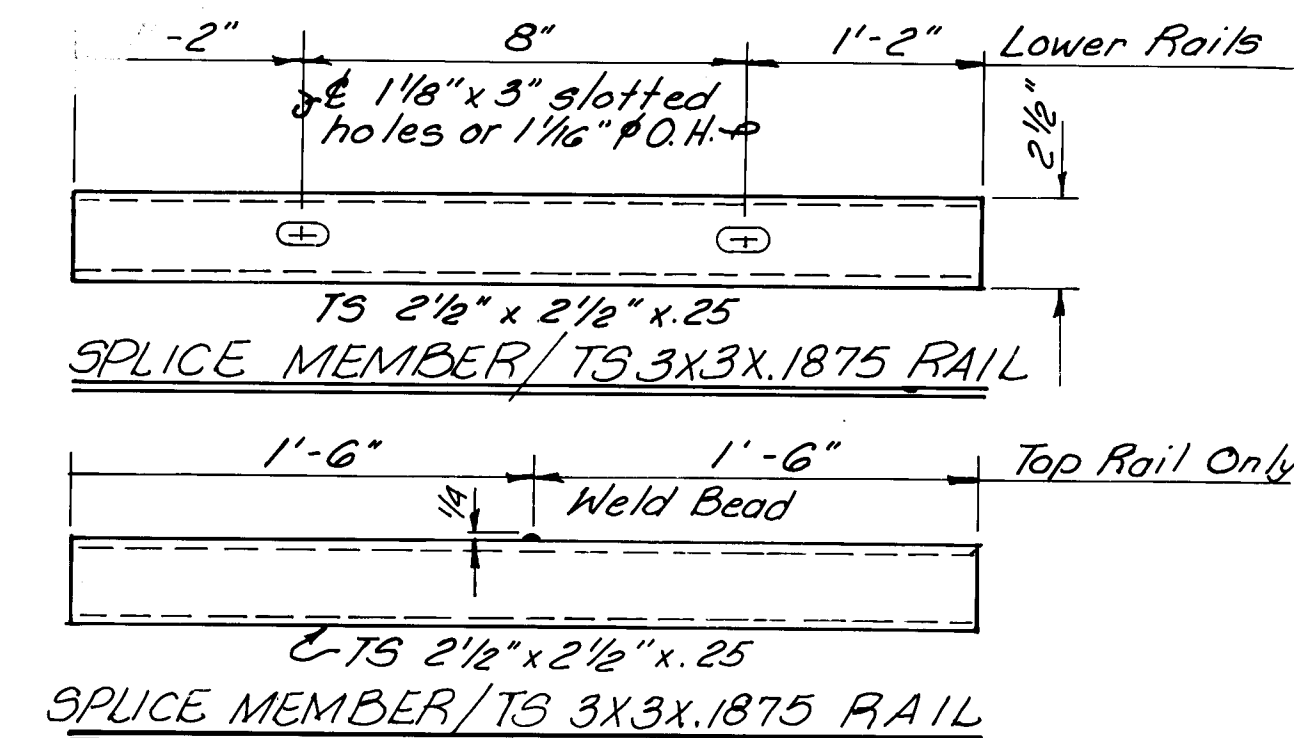
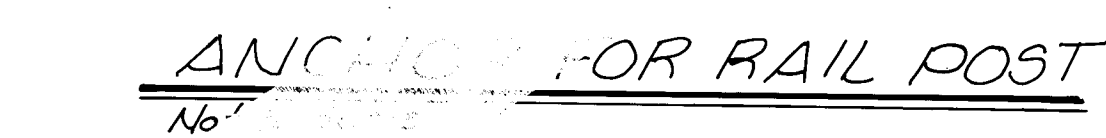
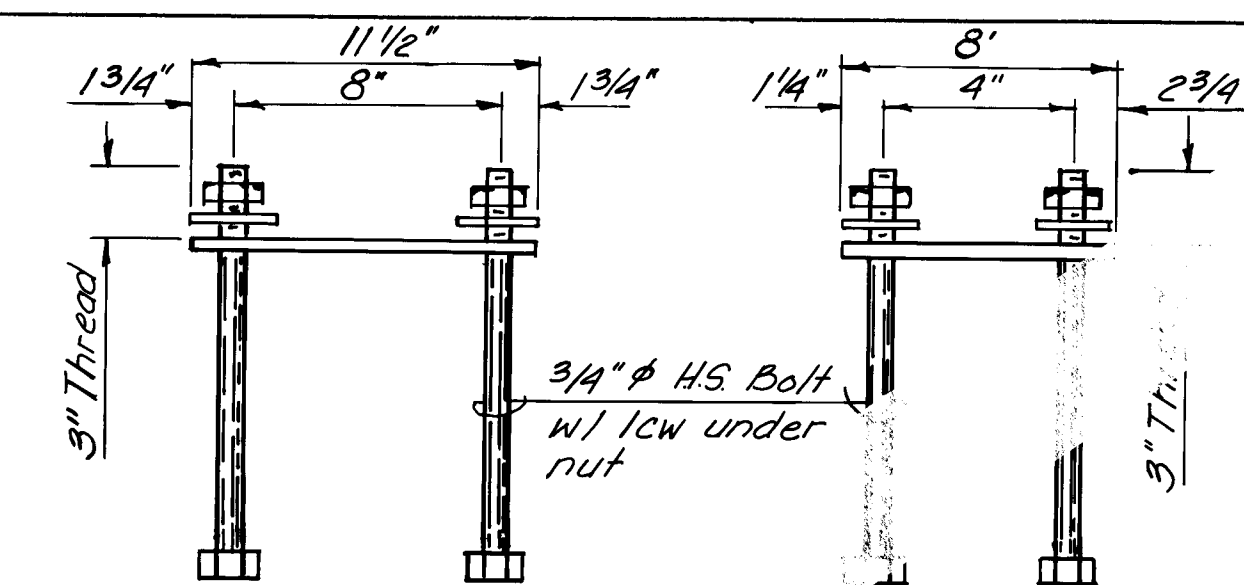
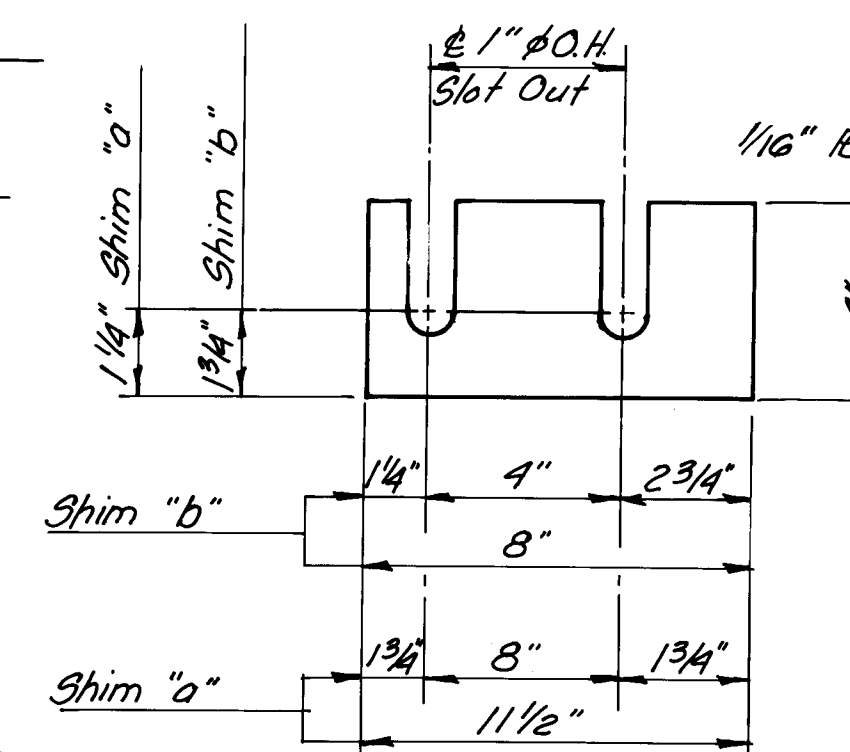
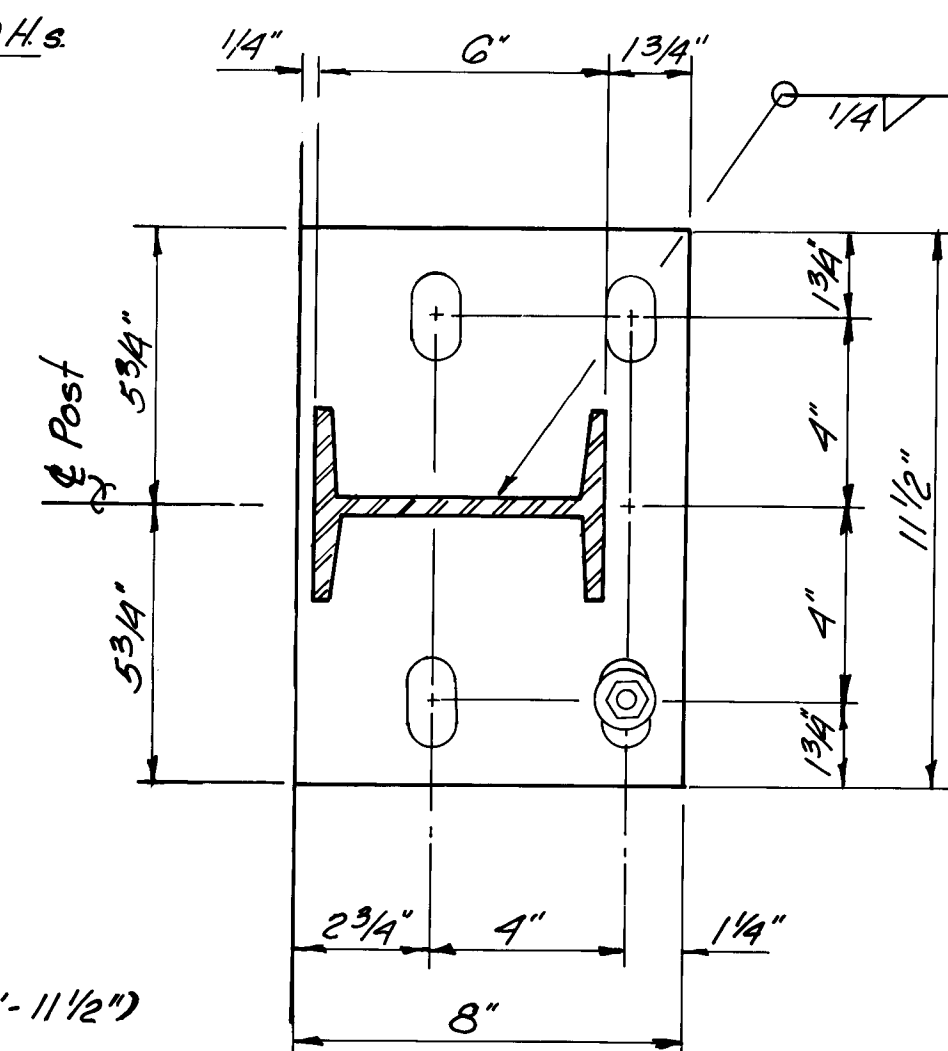
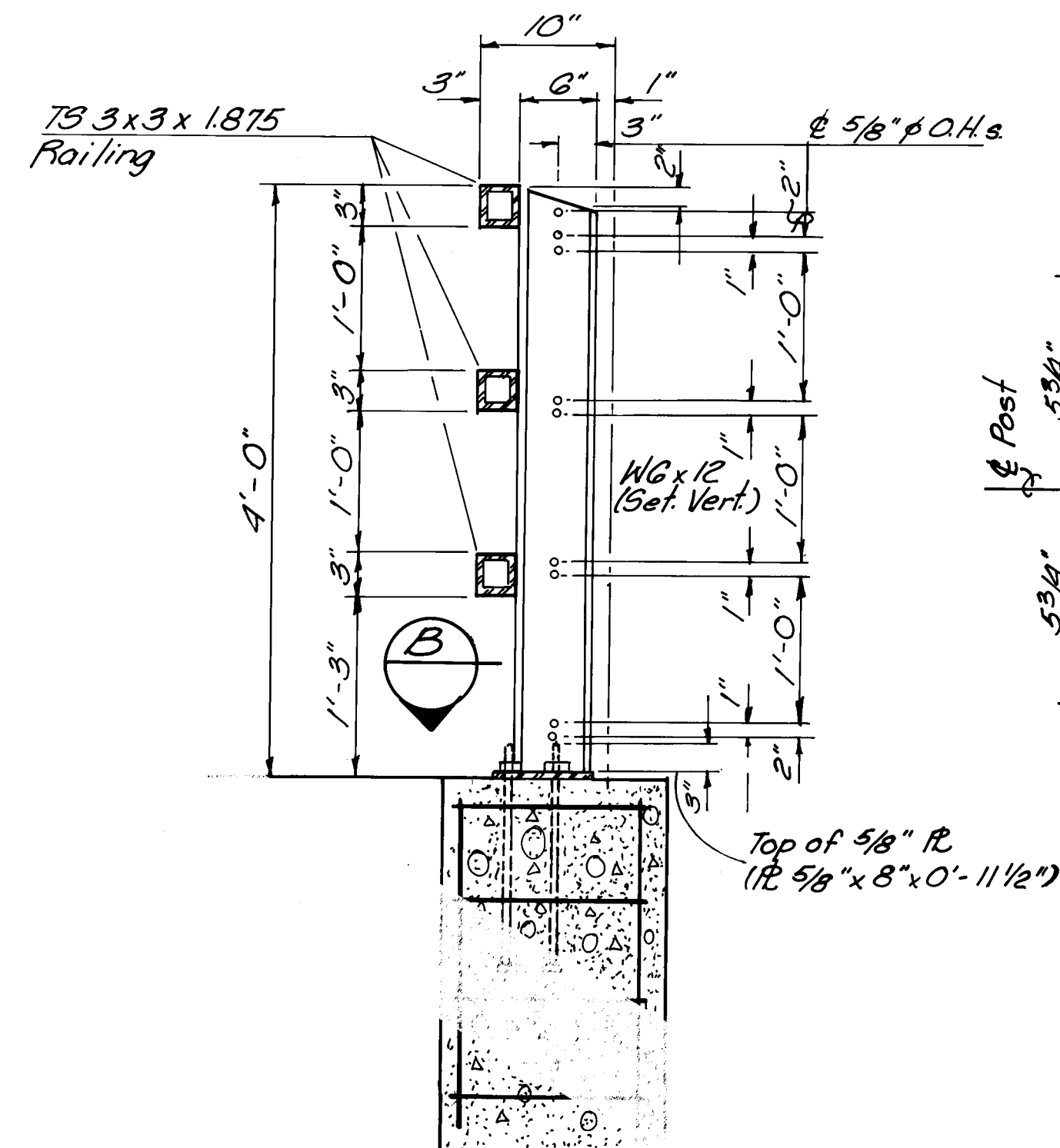
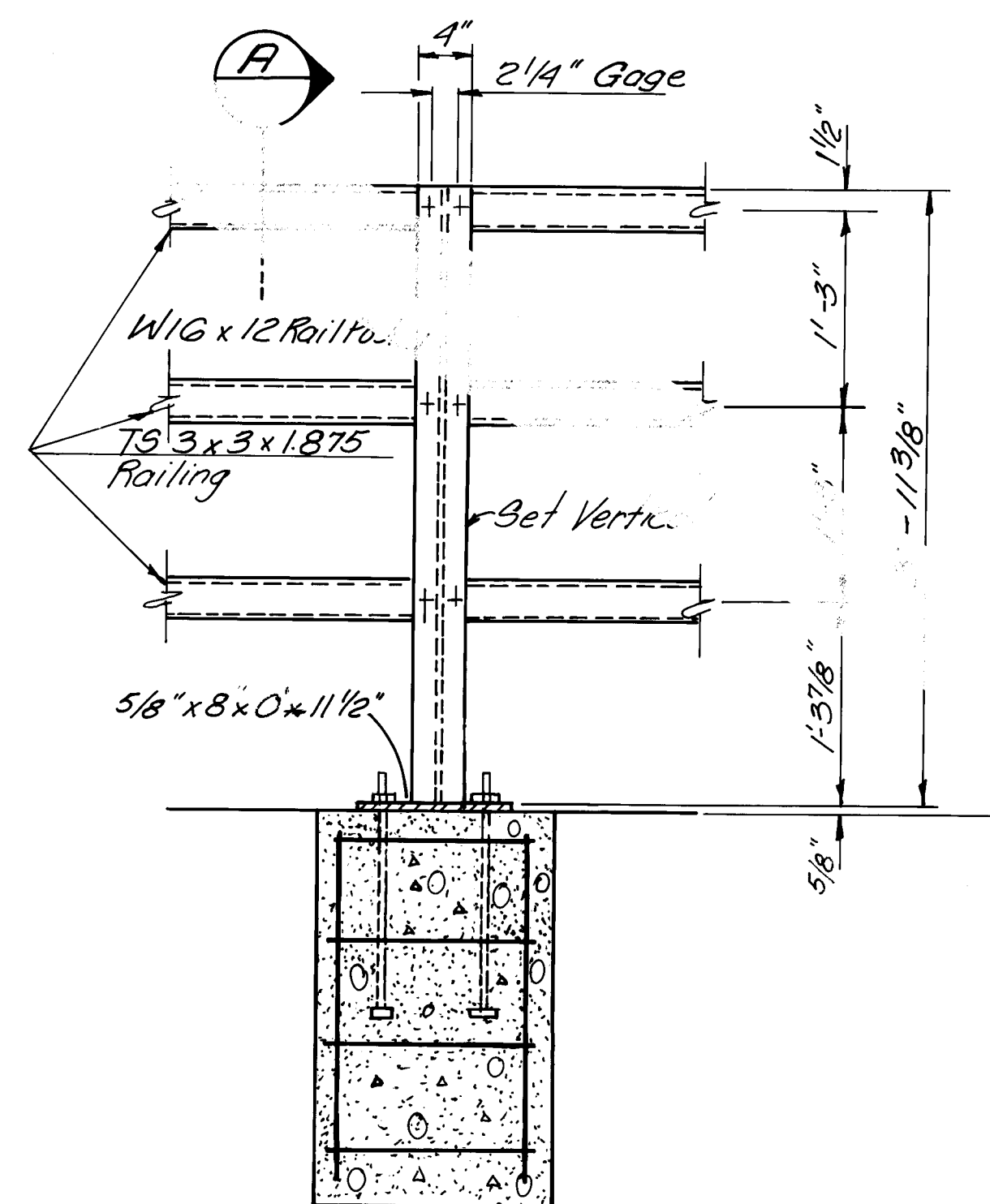
NO SCALE

Records

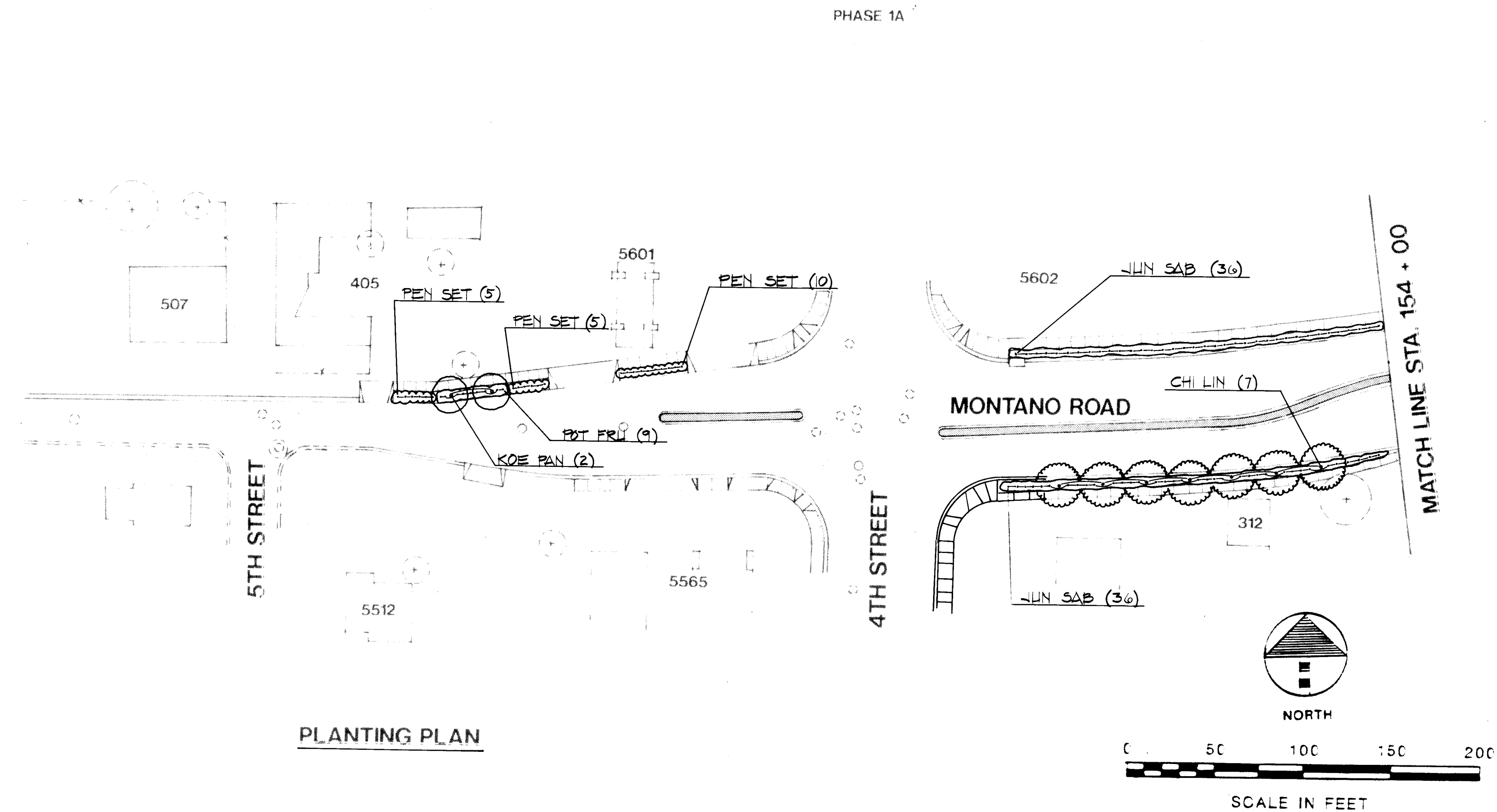
26 24 6 2 3 7 19 4

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SIGNAL & LIGHTING SERVICE DETAILS 4th AND 2nd ST. SIGNALIZATION PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	<i>[Signature]</i>	1-24-91	Water		
Transportation	<i>[Signature]</i>	1-22-91	Waste Water	NA	NO
Hydrology	<i>[Signature]</i>				
DRAWING NO. 2462		MAP NO.		SHEET 37 OF 44	

RECORD DRAWING
DATE 5/5/92

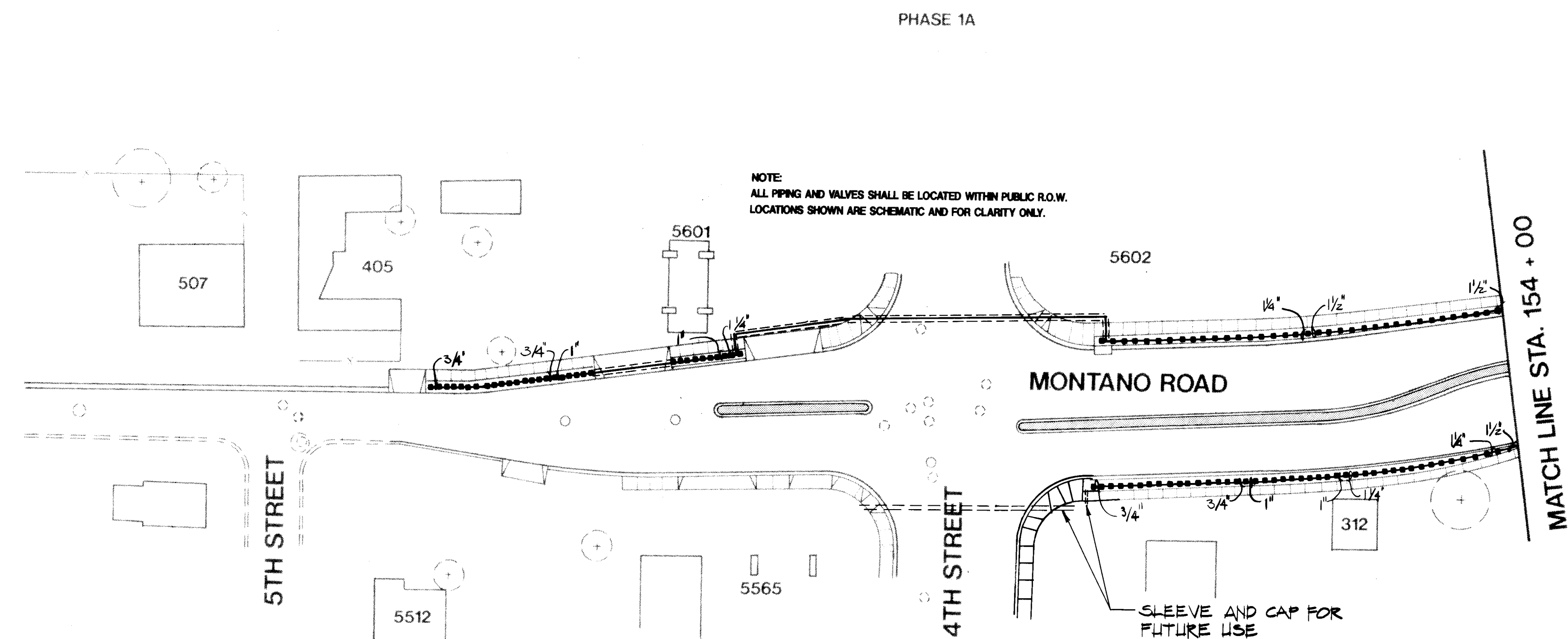
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CITY OF ALBUQUERQUE					
TRANSPORTATION DEPARTMENT					
MONTANO ROAD					
MISCELLANEOUS DETAIL - HANDRAIL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E - Design			Traffic	<i>L. Bank</i>	1-22-91
A.C.E -Hydrology			Water		
DRAWING NO. 2462		MAP NO.		SHEET 38	OF 44
WILSON & COMPANY ENGINEERS & ARCHITECTS ALBUQUERQUE NEW MEXICO					
85-517					



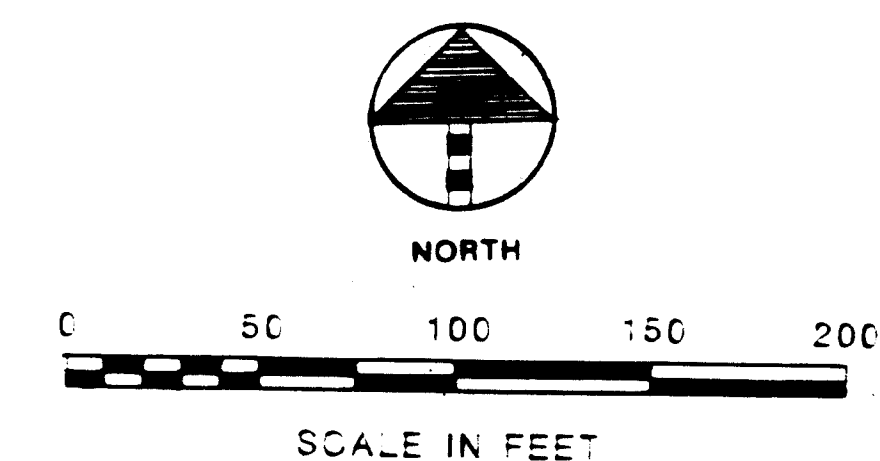
PLANTING PLAN

△ For Record Drawing Information This Sheet, See Sht. 42A.



IRRIGATION PLAN - SHRUBS AND GRASS

(SEE SHEET 40 FOR IRRIGATION FOR TREES)



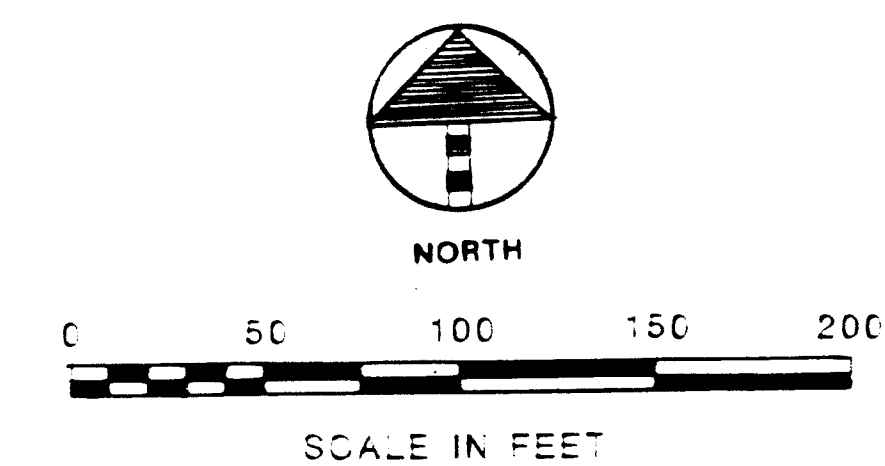
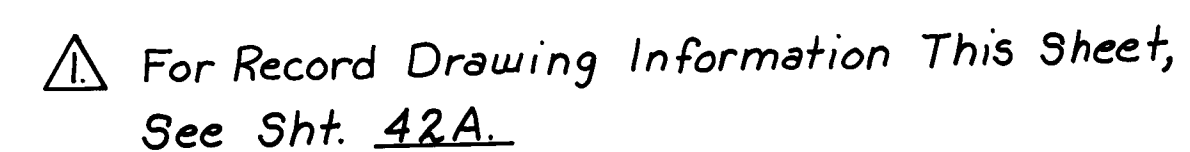
NOTES:

- See Sheet 43 for Planting List, Notes, and Details.
- See Sheet 44 for Irrigation Legend, Notes, and Details.

RECORD DRAWING
DATE 5/5/92

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: MONTANO ROAD PHASE 1A					
IRRIGATION & PLANTING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	1-24-91	Water	<i>[Signature]</i>	1-23-91
Trans. Dev.	<i>[Signature]</i>	1-22-91	Waste Water	<i>[Signature]</i>	"
Hydrology	<i>[Signature]</i>	1-22-91			
Parks and Recreation	<i>[Signature]</i>	1-22-91			
PROJECT NO.	2462	MAP NO.	F14	SHEET	39 OF 44



1. See Sheet 43 for Planting List, Notes, and Details.
2. See Sheet 44 for Irrigation Legend, Notes, and Details.

RECORD DRAWING

DATE 5/5/92

 *Handwritten signature: H. Morrow*

MORROW & COMPANY
LANDSCAPE ARCHITECTS

210 La Veta Drive, NE
Albuquerque, New Mexico 87108
505-268-2266

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

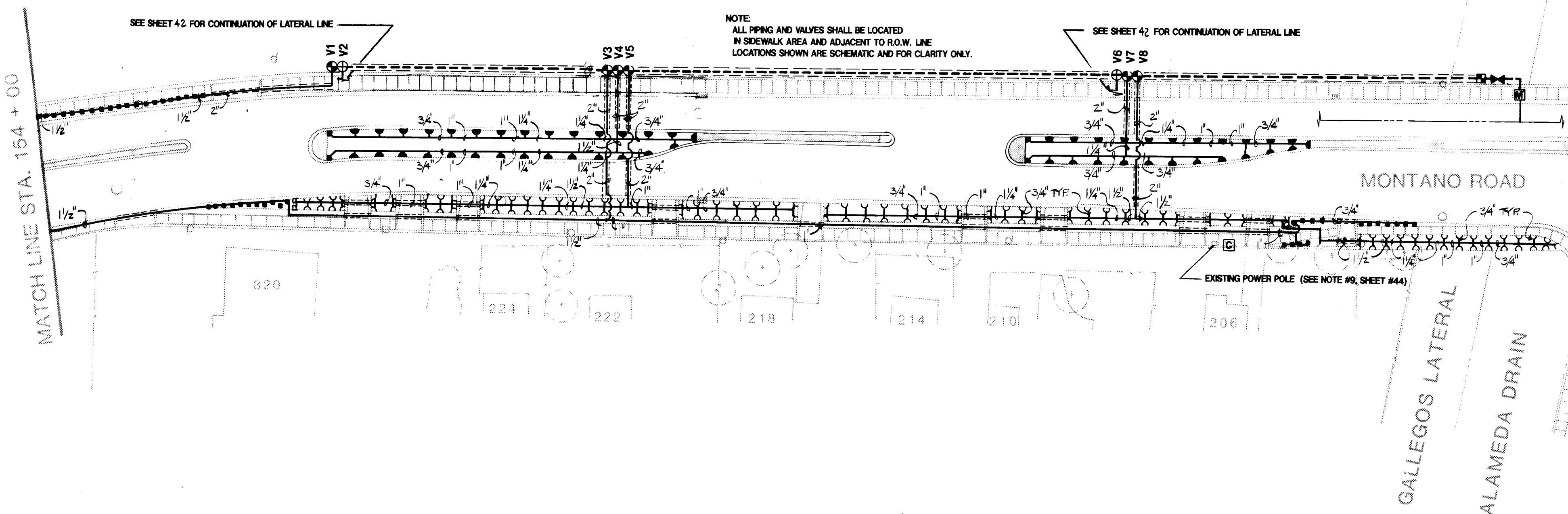
TITLE: MONTANO ROAD PHASE 1A

IRRIGATION & PLANTING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	1-24-91	Water	<i>[Signature]</i>	1-25-
Trans. Dev.	<i>[Signature]</i>	1-22-91	Waste Water	<i>[Signature]</i>	"
Hydrology	<i>[Signature]</i>				
Parks and Recreation	<i>[Signature]</i>	1-22-91			

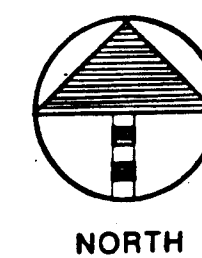
PROJECT NO.	2462	MAP NO.	F14	SHEET OF	40	44
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PHASE 1A



IRRIGATION PLAN -SHRUBS AND GRASS

(SEE SHEET 42 FOR IRRIGATION FOR TREES)



0 50 100 150 200

SCALE IN FEET

RECORD DRAWING
DATE 5/5/92



MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

TITLE: MONTANO ROAD PHASE 1A
IRRIGATION & PLANTING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C Chair	<i>[Signature]</i>	1-23-91	Water	<i>[Signature]</i>	1-23-91
Trans. Dev	<i>[Signature]</i>	1-22-91	Waste Water	<i>[Signature]</i>	"
Hydrology	<i>[Signature]</i>	1-22-91			
Parks and Recreation	<i>[Signature]</i>	1-22-91			

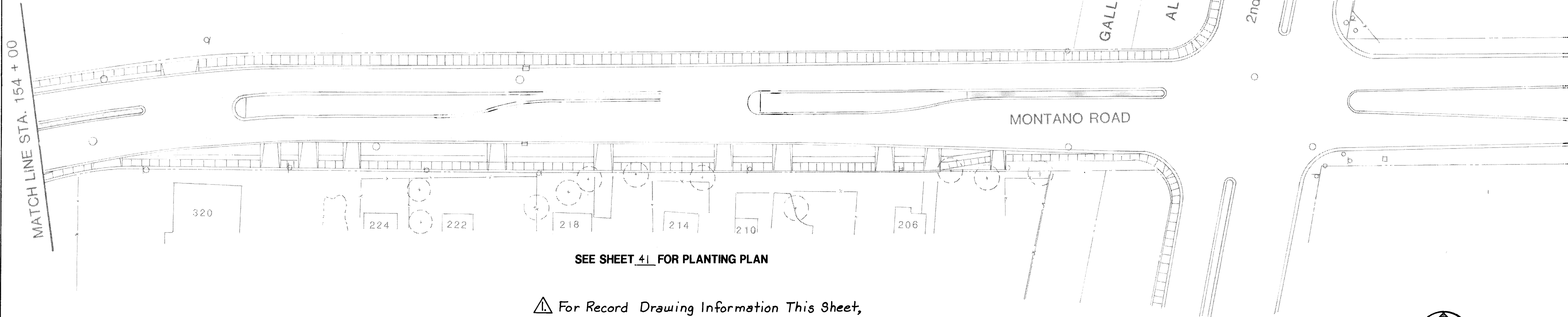
PROJECT NO. **2462**

MAP NO. **F14**

SHEET **41** OF **44**

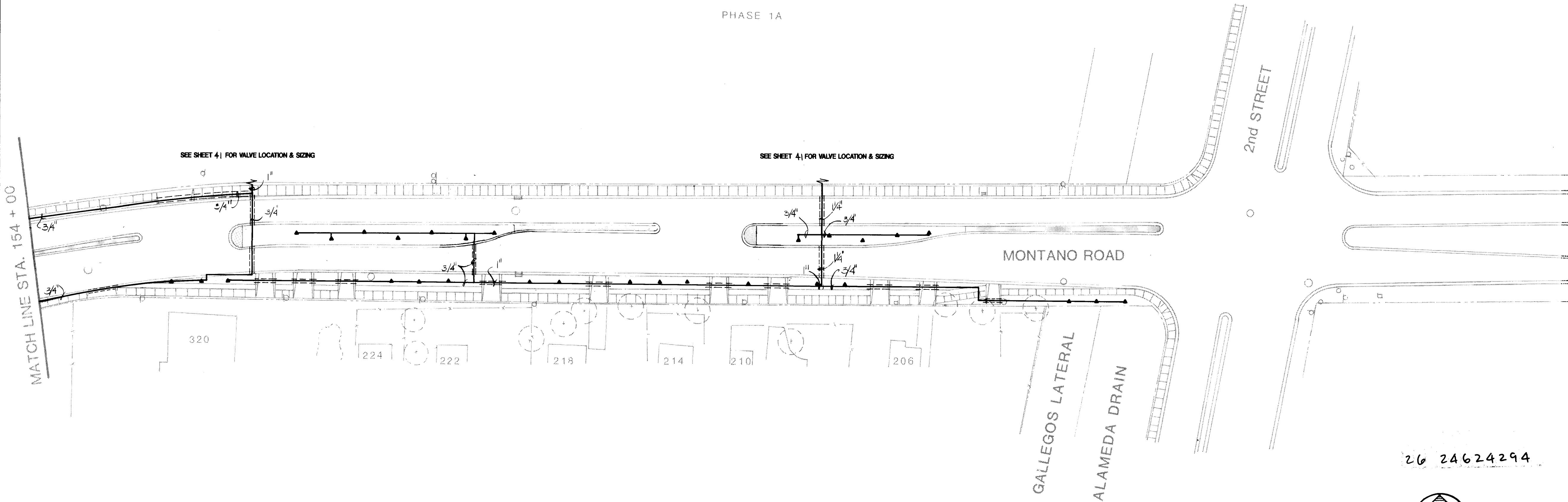
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PHASE 1A



△ For Record Drawing Information This Sheet,
See Sht. 42 A.

PHASE 1A



IRRIGATION PLAN - TREES

(SEE SHEET 41 FOR IRRIGATION FOR SHRUB BEDS AND GRASS AREAS)

NOTES:

- See Sheet 43 for Planting List, Notes, and Details.
- See Sheet 44 for Irrigation Legend, Notes, and Details.

RECORD DRAWING
DATE 5/5/92



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210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

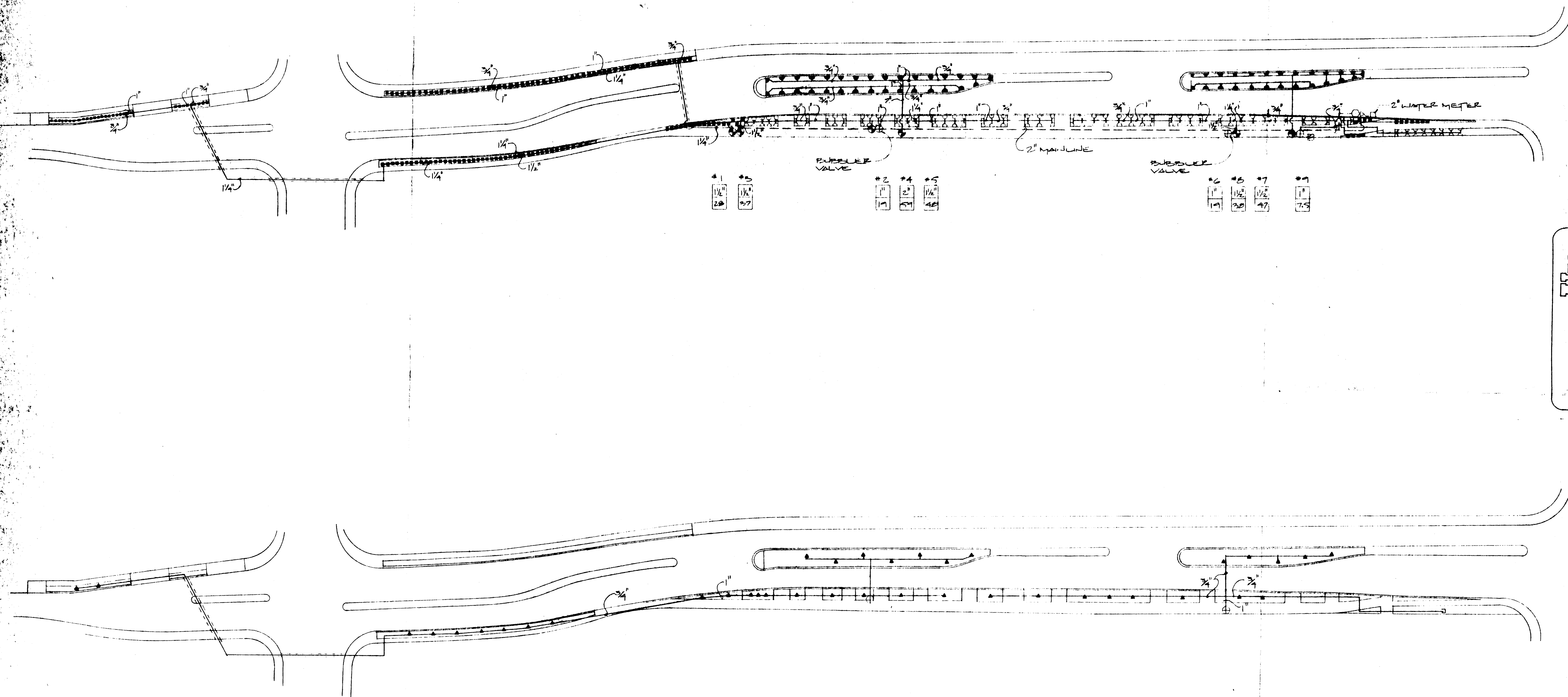
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MONTANO ROAD PHASE 1A

IRRIGATION & PLANTING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Robert Rios</i>	1-22-91	Water	<i>42-02-91</i>	1-22-91
Trans. Dev	<i>R. Rios</i>	1-22-91	Waste Water	<i>42-02-91</i>	"
Hydrology	<i>John A. H.</i>				
Parks and Recreation	<i>Dr. Serna</i>	1-22-91			
PROJECT NO.	2462	MAP NO.	F14	SHEET	42 OF 44

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	NO.	DATE	CONTRACTOR	MCC.
				WORK BY	DATE
				INSPECTED BY	DATE
				ACCEPTANCE BY	DATE
				FIELD DRAWINGS BY	DATE
				REVISIONS	DATE
				DESIGN	DATE
				DRAWN BY	DATE
				CHECKED BY	DATE



scale
1" = 50'

date
6.21.91

revisions
26-5/1/91
1.24.91

Heads Up
Landscape Contractors
1925 Second St. NW
Albuquerque, N.M.

- IRRIGATION LEGEND
- PRO-570C-AP POP UP SPRINKLER
 - PR-50-PC
 - PR-100-PC
 - IS-Q-PC 90°
 - IS-H-PC 180°
 - IO-QLA-PC 90°
 - IO-HLA-PC 180°
 - BERNARD 710-P 2" HYDROMETER /
 - FEEDBACK 765-2 2" PRESSURE BACKFLOW PREVENTER
 - TORO 216-26-04-1" AUTO. VALVE
 - TORO 216-26-08-1 1/2" AUTO. VALVE
 - PEQUET B-68 PRESS. GATE VALVE
 - MOTOROLA MR-5000 SATELLITE CONTROLLER

26 24624294A

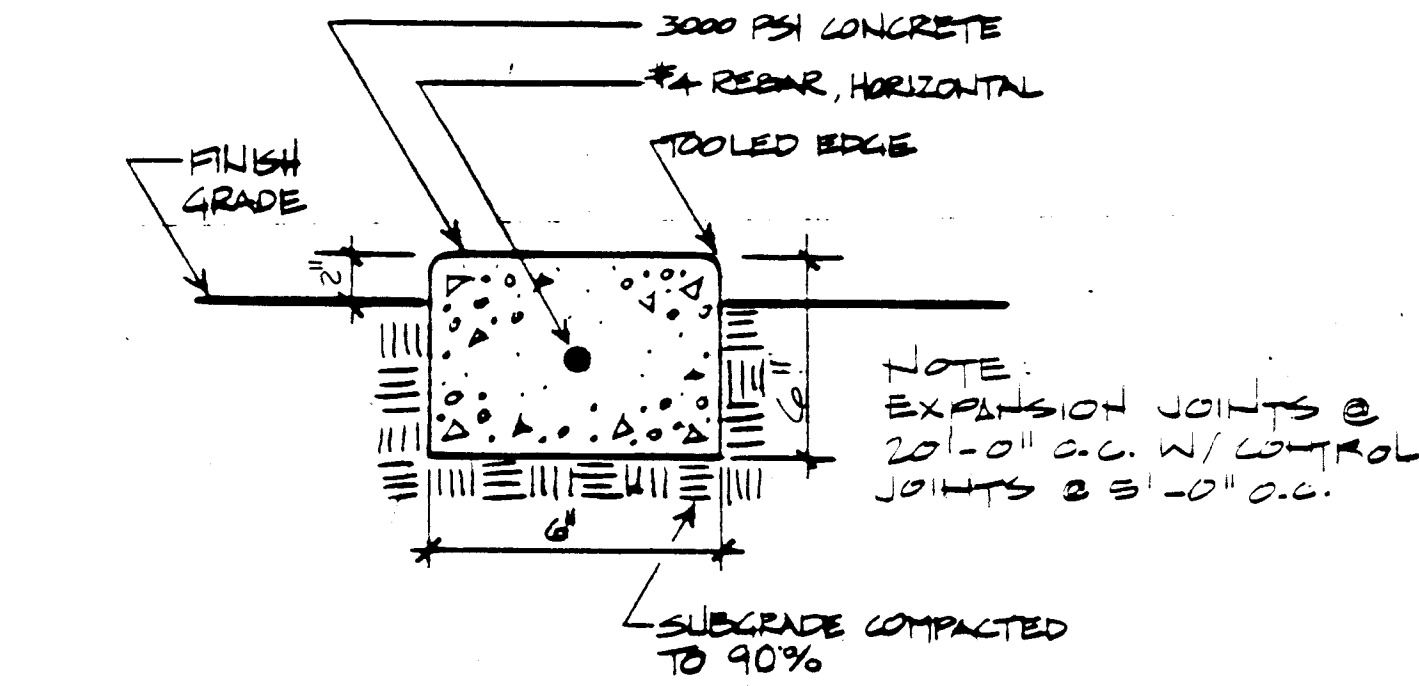
RECORD DRAWING
DATE 5/5/92

MONTANO ROAD
PHASE 1A
SANTA FE BLVD. N.W.

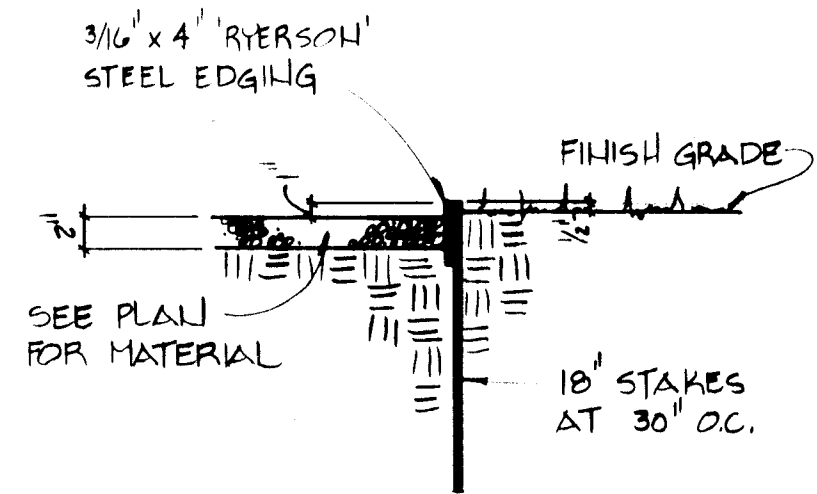
sheet

PLANT LIST					
SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	REMARKS
TREES					
CHI LIN	Chilopsis linearis	Desert Willow	24	15 gal.	1-1/2" cal., 6'-8' ht., 3' min. spd.
FRA AME	Fraxinus americana 'Autumn Purple'	Autumn Purple Ash	12	15 gal.	1-1/2" cal., 8'-10' ht., 3' min. spd.
KOE PAN	Koeleruteria paniculata	Goldenrain tree	2	24" box	2" cal., 10'-12', 4' min. spd.
SHRUBS					
JUN SAB	Juniperus sabina 'Broadmoor'	Broadmoor Juniper	118	5 gal.	10" min. ht., 18" min. spd. 6'-0" o.c.
PEN SET	Pennisetum setaceum	Fountain Grass	20	1 gal.	12" min. ht., 4'-0" o.c.
POT FRU	Potentilla fruticosa	Shrubby Cinquefoil	9	5 gal.	18" -24" ht. and spd., 4'-0" o.c.
GRASSES					
BUC DAC	Buchloe dactyloides 'Sharp's Improved'	Buffalo Grass	13000 sf	---	Seed @ 3 lbs. per 1000 SF
BOU GRA	Bouteloua gracilis	Blue Grama	13000 sf	---	seed @ 3 lbs. per 1000 SF

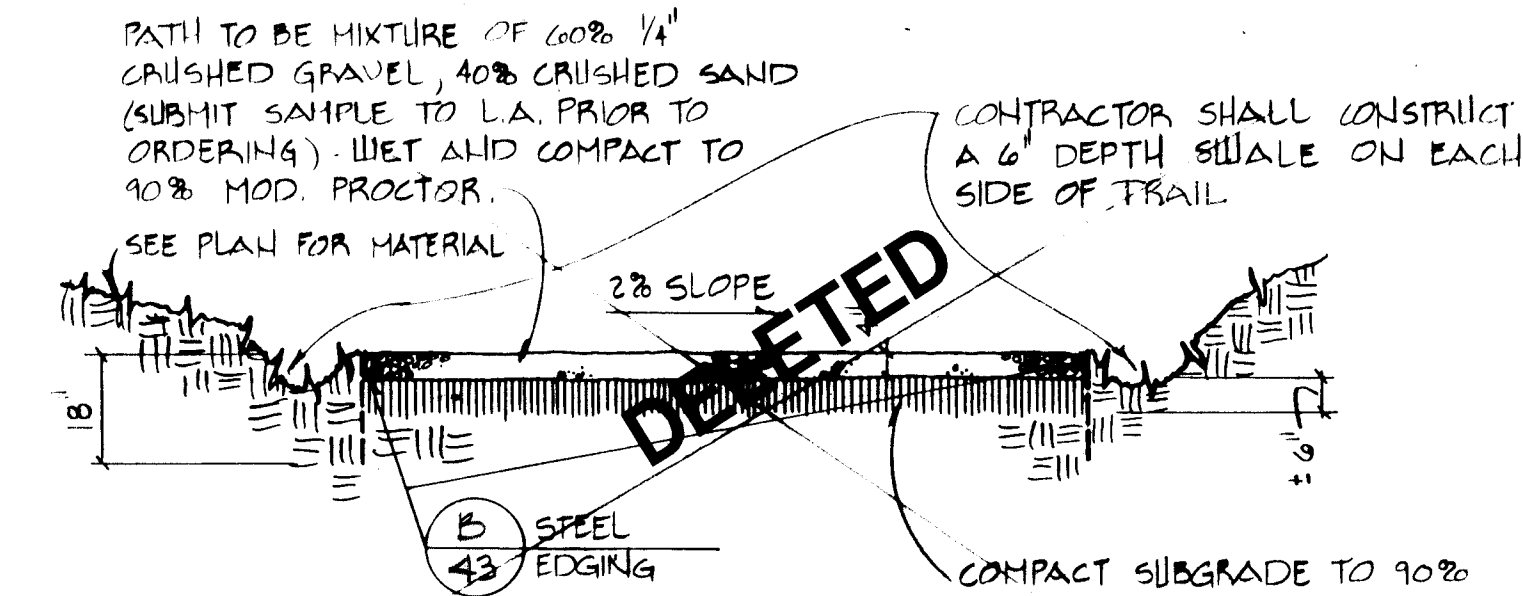
PLANTING NOTES	
1.	In case of a discrepancy in plant quantities shown on the Plant List and those shown on the Planting Plans, the quantities shown on the plans shall govern.
2.	If there is a discrepancy in field or nursery trees between the container size called out under "Size" and the caliper and height called out under "Remarks", the specified tree must meet the caliper and height requirements specified under "Remarks," even if a larger container size is required to meet these specifications, at no additional cost to the Owner.
3.	The Contractor shall prune lower branches of deciduous trees to 7 feet above finish grade or as high as feasible as directed by the Landscape Architect.



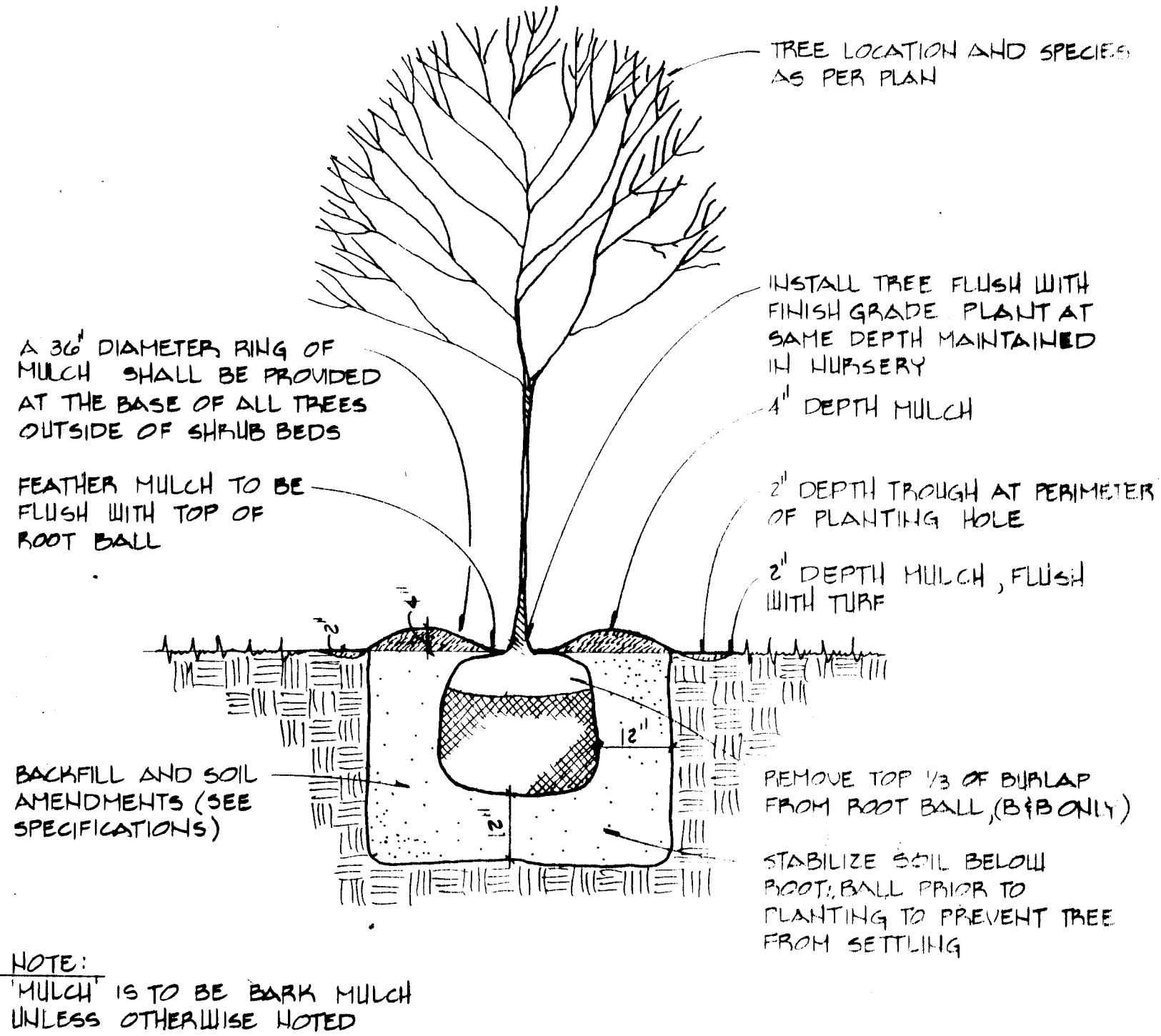
A 43 CONC. MOW STRIP DETAIL 3" = 1'-0"



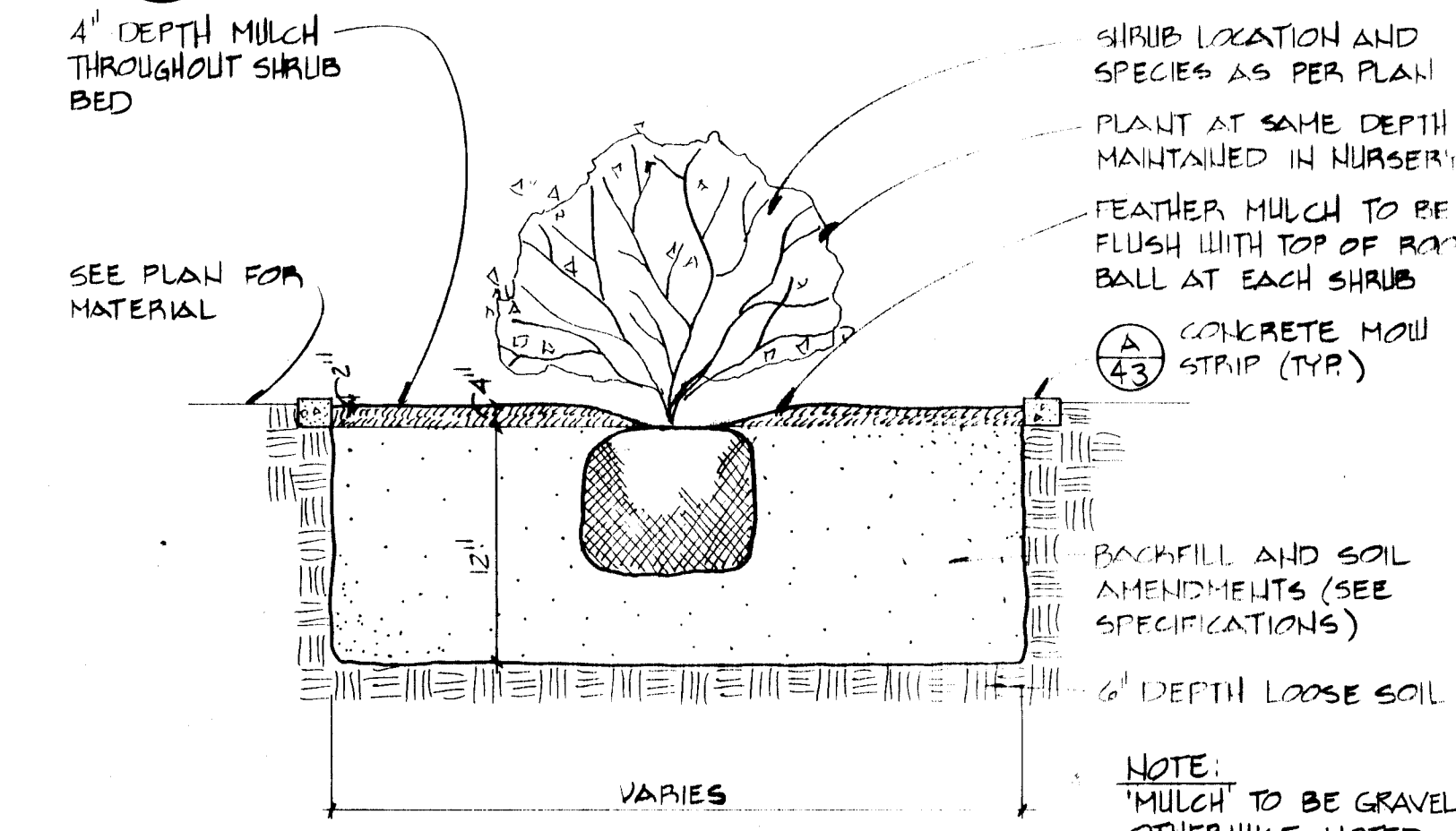
B 43 STEEL EDGING DETAIL 1" = 1'-0"



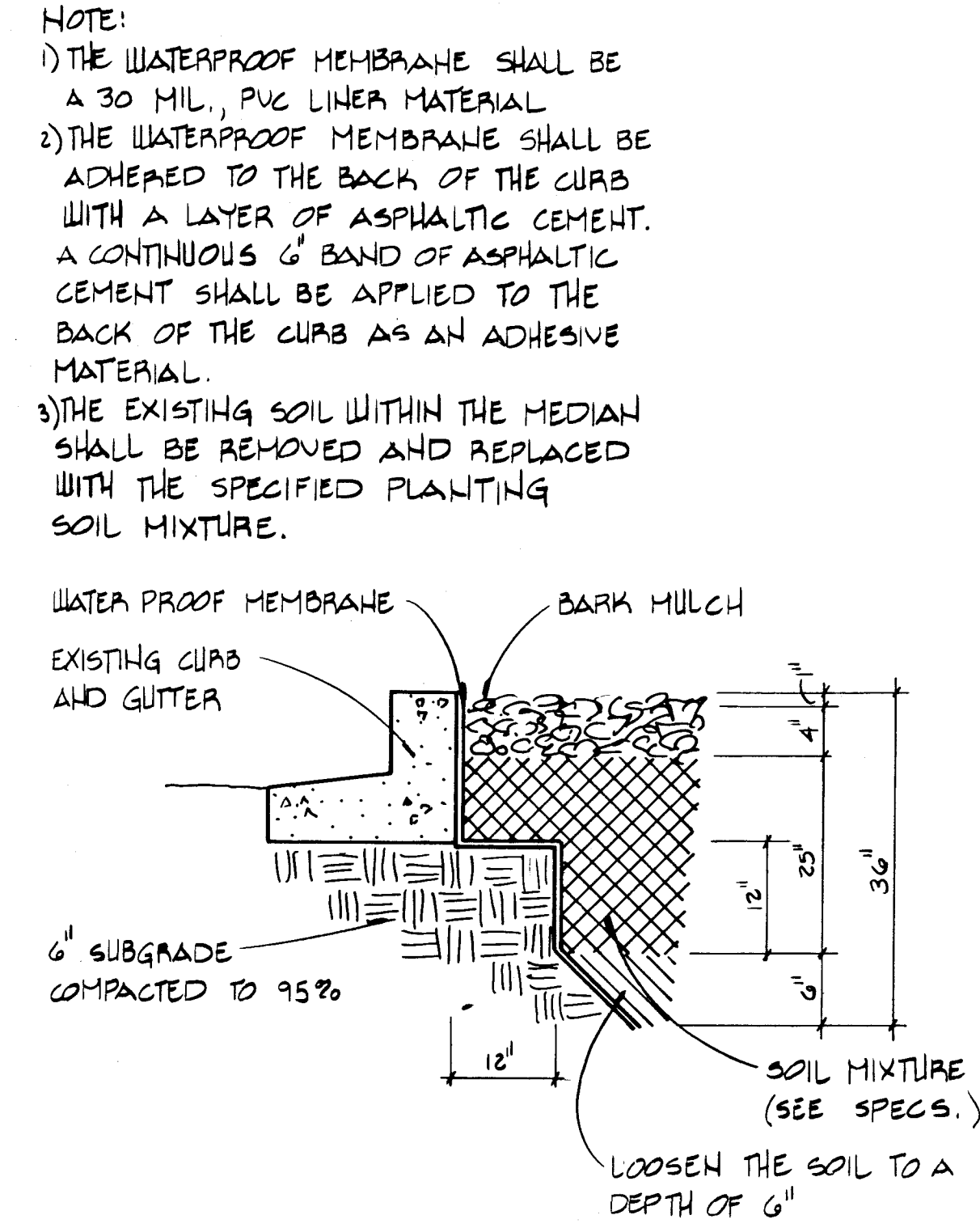
C 43 PEDESTRIAN/EQUESTRIAN TRAIL 3/8" = 1'-0"



D 43 TREE PLANTING DETAIL NTS



E 43 SHRUB PLANTING DETAIL NTS



F 43 PVC LINER DETAIL NTS

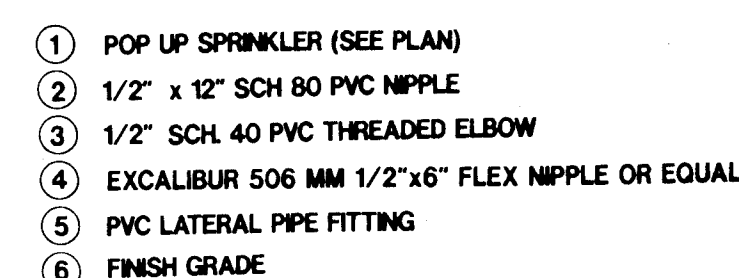
RECORD DRAWING
DATE: 5/5/92



MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MONTANO ROAD PHASE 1A LANDSCAPE & CONSTRUCTION DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	Capit R...	1-22-91	Water	NA	4/6
Trans. Dev	NA	2-22-91	Waste Water		
Hydrology	NA				
Parks and Recreation	NA	1-22-91			
PROJECT NO.	2462	MAP NO.	F14	SHEET	43 OF 44



- | | | | |
|----|------------------------------------|----|--|
| 1 | MAINLINE FITTING | 31 | VALVE BOX FOR CITY STANDARD DETAIL, 2366 FOR METER BOX |
| 2 | CMU BLOCK | 32 | 16" GALVANIZED NIPPLE - 30" LENGTH |
| 3 | SCH. 80 PVC NIPPLE - 18" LENGTH | 33 | 16" GALVANIZED NIPPLE - 4" LENGTH |
| 4 | PGLS 8" - 68 BRASS GATE VALVE | 34 | 17" KING AUTOMATIC DRAIN |
| 5 | POLYESTER SCH. 80 PVC UNION | 35 | 16" GALVANIZED REDUCER BUSHING |
| 6 | SCH. 80 PVC NIPPLE - 3" LENGTH | 36 | 16" GALVANIZED TEE |
| 7 | AUTOMATIC VALVE (SEE LEGEND) | 37 | BACKFLOW PREVENTER (SEE LEGEND) |
| 8 | SEA GRAVEL - 3 CUBIC FEET | 38 | 16" GALVANIZED STREET ELB |
| 9 | 16" GALVANIZED NIPPLE - 12" LENGTH | 39 | SCH. 40 PVC MALE ADAPTER |
| 10 | 16" GALVANIZED ELBOW | 40 | MAINLINE PIPE (SEE LEGEND) |
| 11 | WATERPROOF WIRE CONNECTOR | | |
| 12 | 3/8" WIRE EXPANSION LOOPS | | |

Technical drawing of a water pump assembly, labeled as Figure 1. The drawing shows a cross-section of the pump installed in a well or borehole. The pump assembly is mounted on a concrete base (11) and is surrounded by a gravel filter (12). The pump body (1) is connected to a motor (2) and a control unit (3). The pump is connected to a discharge pipe (13) and a suction pipe (14). The drawing includes dimensions: 28" for the total height of the pump assembly and 18" for the height of the gravel filter. The pump assembly is shown in a cross-section view, with the pump body (1) and motor (2) mounted on a concrete base (11). The pump is connected to a discharge pipe (13) and a suction pipe (14). The drawing includes dimensions: 28" for the total height of the pump assembly and 18" for the height of the gravel filter.

- | | |
|---|-------------------------------|
| ① AUTOMATIC VALVE (SEE PLAN) | ⑧ WATER PROOF CONNECTORS |
| ② PEGLAR B-68 BRASS GATE VALVE | ⑨ 36" EXPANSION LOOPS |
| ③ GALVANIZED UNION | ⑩ MAINLINE FITTING |
| ④ SCH. 80 PVC THREADED NIPPLE - 4" LENGTH | ⑪ CMU BLOCK (2 PER VALVE BOX) |
| ⑤ SCH. 40 PVC MALE ADAPTER | ⑫ |
| ⑥ SCH. 80 PVC THREADED NIPPLE - 8" LENGTH | ⑬ PVC LATERAL PIPE |
| ⑦ SCH. 40 PVC THREADED ELBOW | ⑭ VALVE BOX PER CITY STANDARD |

A technical cross-section drawing of a wellhead assembly. The assembly is mounted on a base (6) which is surrounded by gravel (7). A central vertical pipe (1) with a T-handle is connected to a series of components: a nut (2), a seal (3), a sleeve (4), another nut (2), seal (3), sleeve (4), and nut (2). This assembly is flanked by two horizontal pipes (5). The entire unit is enclosed in a frame (8) with a top flange. A vertical dimension line on the right indicates a height of 28".

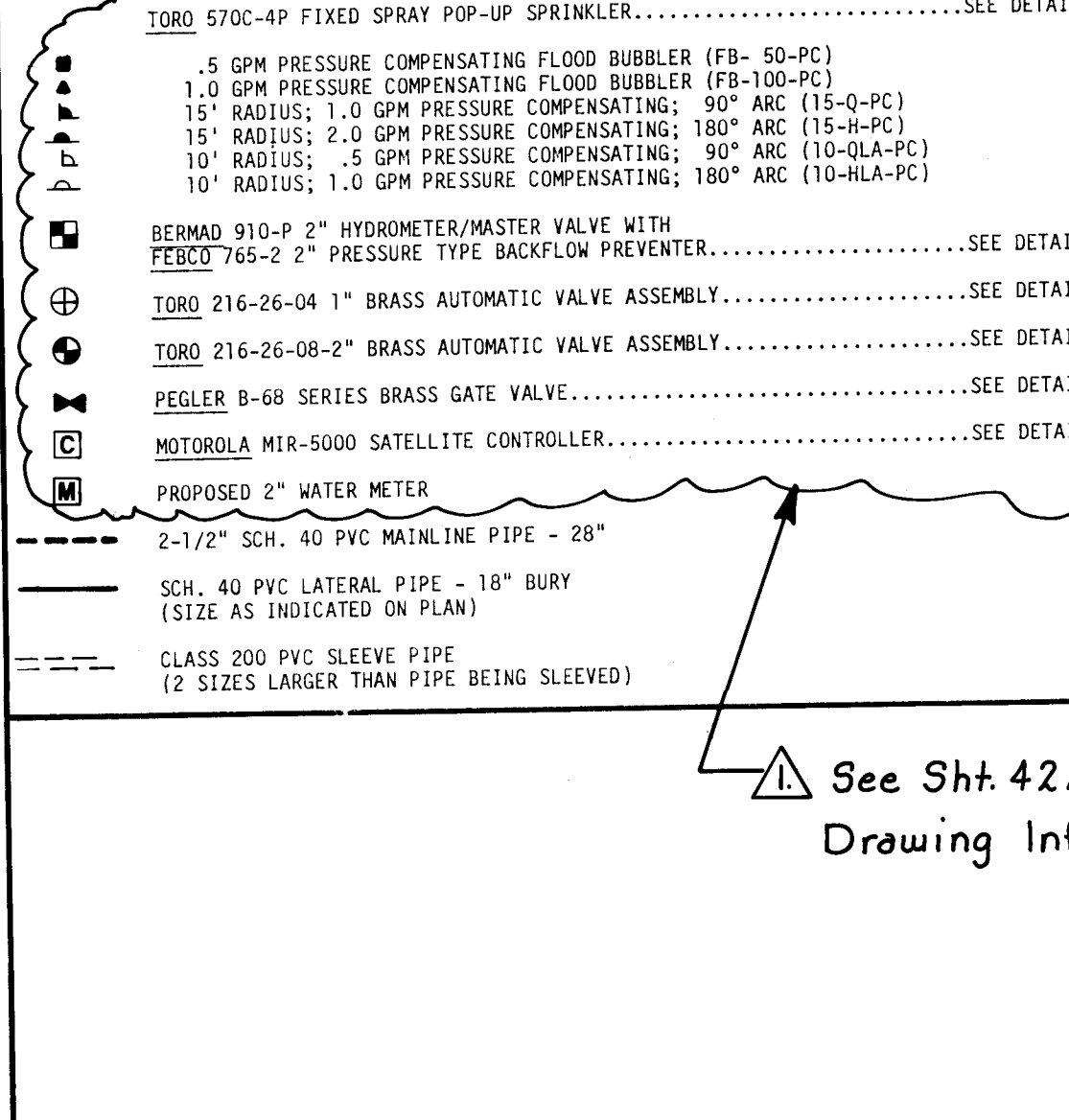
- ① MANUAL VALVE (SEE LEGEND)
- ② SCH. 80 PVC THREADED NIPPLE - 3" LENGTH
- ③ SPEARS SCH. 80 PVC THREADED UNION
- ④ SCH. 40 PVC MALE ADAPTER
- ⑤ MAINLINE PIPE (SEE LEGEND)
- ⑥ CMU BLOCK
- ⑦ PEA GRAVEL - 3 CUBIC FEET
- ⑧ VALVE BOX PER CITY STANDARD

A cross-sectional diagram of a manhole assembly. The diagram shows a concrete manhole structure with a sloped interior wall. At the top, a concrete curb (1) is shown. Below it, a metal frame (2) is visible. A vertical pipe (3) enters from the left, passing through a seal (4) and a flange (5) into the manhole. The bottom of the manhole is covered by a concrete base (6) and a layer of gravel (7). A 6-inch diameter pipe (8) exits from the right. A vertical dimension line on the right indicates a height of 6 feet. A note on the right says "(SEE PLAN)".

- ① FINISH GRADE
- ② CARSON DX1015 SERIES VALVE BOX
W/ 6' EXTENSIONS AS REQUIRED
- ③ PVC PIPING
- ④ PVC MALE ADAPTER
- ⑤ SPEARS PVC BALL VALVE
- ⑥ CMU BLOCK (2 MINIMUM)
- ⑦ PEA GRAVEL
- ⑧ SCH. 40 PVC STREET ELL -S X T

The 'Front View' shows a rectangular box with a central square opening. A horizontal arrow labeled '1' points from left to right through the opening. The box is labeled with numbers 1 through 10. The 'Side View' shows the box from the side, revealing its depth and the internal components. It is labeled with numbers 1 through 10. The box is shown sitting on a surface, with a dashed line indicating the internal structure and a curved line labeled '9' showing the bottom edge.

- ① AUTOMATIC CONTROLLER (SEE LEGEND)
 - ② 3/4" PLYWOOD MOUNTING BOARD
 - ③ MATERIALS IN: MSMC-1 CONCRETE VAULT
 - ④ 3/4" LB BOX
 - ⑤ 3/4" EMT CONDUIT (120 VOLT CONDUCTORS)
 - ⑥ 3/4" PVC SWEEP ELL
 - ⑦ 1" LB BOX
 - ⑧ 1" EMT CONDUIT (24 VOLT CONDUCTORS)
 - ⑨ 1" PVC SWEEP ELL
 - ⑩ FINISH GRADE
- NOTE: ITEMS 4, 5 & 6 NOT SHOWN ON SIDE VIEW

IRRIGATION NOTES	IRRIGATION LEGEND
- The proposed controller locations indicated on the plans are approximate. Actual location of the controller shall be determined by the Owner's representative in the field. - Where crossing existing hard construction is shown on plans, the Contractor shall saw-cut existing asphalt and/or concrete prior to trenching, remove and properly dispose of debris, install sleeve piping, compact subgrade to 95%, and replace asphalt and/or concrete to match existing areas. - The Contractor shall adjust all valves, bubblers, and sprinklers for optimum coverage, and shall provide and install nothing other than those specified as instructed by the Landscape Architect at no additional cost to the Owner. - All existing distribution line locations are schematic. It shall be the Contractor's responsibility to pot hole and field check to determine actual locations as an incidental requisite to the construction contract. - Exposed conduit for 24 volt conductors above grade and outside of buildings shall be rigid steel conduit. - Contractor shall install manual drains on the lateral piping at the lowest point to insure complete drainage of the lateral. Quantity shall be as required and shall be located on the "AS-BUILT" drawings. Location shall be determined by the Contractor and shall be approved by the Owner's representative prior to installation). (Minimum one per zone.) See Detail  - All proposed irrigation piping shall be marked using marker tape which shall be laid horizontally 4" above piping. Piping laid in common trenches shall have marker tape for each pipe. Tape shall be 2" wide trenches shall have marker tape for each pipe. Tape shall be 2" wide and marked "buried water line", blue in color and metallic for future location. Product is available from Pipeline Material Inc. Albuquerque, New Mexico (505) 821-2626 (or approved equal). 24 volt wire shall be run from the controller to the closest irrigation trench, minimizing the amount of trenching required for the installation of the wire. The Contractor shall review the proposed routing of the 24 volt wire with the Landscape Architect and have the route approved by the Landscape Architect prior to installation. - The Contractor shall provide 120 volts AC from nearest power pole to proposed controller location. All work shall be per N.E.C. and all local codes. This work shall be considered incidental to the Landscape irrigation work. - All 24 volt wire shall be laid with a 6" wide yellow marker tape and marked "Warning-Electrical". Lay marker tape horizontally 4" above wire. - In addition to other specified tests and inspections, the irrigation systems shall be performance tested and witnessed by the Compliance Officer from the City of Albuquerque Health and Environment Department for conformance with the provisions of the Waste Water Ordinance.	 TORO 570C-4P FIXED SPRAY POP-UP SPRINKLER.....SEE DETAIL 5 GPM PRESSURE COMPENSATING FLOOD BUBBLER (FB- 50-PC) 1.0 GPM PRESSURE COMPENSATING FLOOD BUBBLER (FB-100-PC) 15' RADIUS; 1.0 GPM PRESSURE COMPENSATING; 90° ARC (15-Q-PC) 15' RADIUS; 2.0 GPM PRESSURE COMPENSATING; 180° ARC (15-H-PC) 10' RADIUS; .5 GPM PRESSURE COMPENSATING; 90° ARC (10-QLA-PC) 10' RADIUS; 1.0 GPM PRESSURE COMPENSATING; 180° ARC (10-HLA-PC) BERMAD 910-P 2" HYDROMETER/MASTER VALVE WITH FEBCO 765-2 "2" PRESSURE TYPE BACKFLOW PREVENTER.....SEE DETAIL TORO 216-26-04 1" BRASS AUTOMATIC VALVE ASSEMBLY.....SEE DETAIL TORO 216-26-08-2" BRASS AUTOMATIC VALVE ASSEMBLY.....SEE DETAIL PEGLER B-6B SERIES BRASS GATE VALVE.....SEE DETAIL MOTOROLA MIR-5000 SATELLITE CONTROLLER.....SEE DETAIL PROPOSED 2" WATER METER 2-1/2" SCH. 40 PVC MAINLINE PIPE - 28" SCH. 40 PVC LATERAL PIPE - 18" BURY (SIZE AS INDICATED ON PLAN) CLASS 200 PVC SLEEVE PIPE (2 SIZES LARGER THAN PIPE BEING SLEEVED) See Sht. 42A For Record Drawing Information.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	1-22-91	Water	<i>[Signature]</i>	1-22-91
Trans. Dev.	<i>[Signature]</i>	1-22-91	Waste Water	<i>[Signature]</i>	"
Hydrology	<i>[Signature]</i>	"			
Parks and Recreation	<i>[Signature]</i>	1-22-91			

PROJECT NO. **2462**

MAP NO. **F14**

SHEET **44** OF **44**

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES				CONTRACTOR M.C.C.	
NO.	BY	DATE		WORK	DATE
				STAKED BY C.O.A.	4/92
				SET BY C.O.A.	4/92
				ACCEPTANCE BY C.O.A.	4/92
				FIELD LAYOUT BY C.O.A.	4/92
				DRAWINGS	DATE 4/92
				CORRECTION BY W.O.E.A.	
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	

ENGINEER'S SEAL

[illegible]