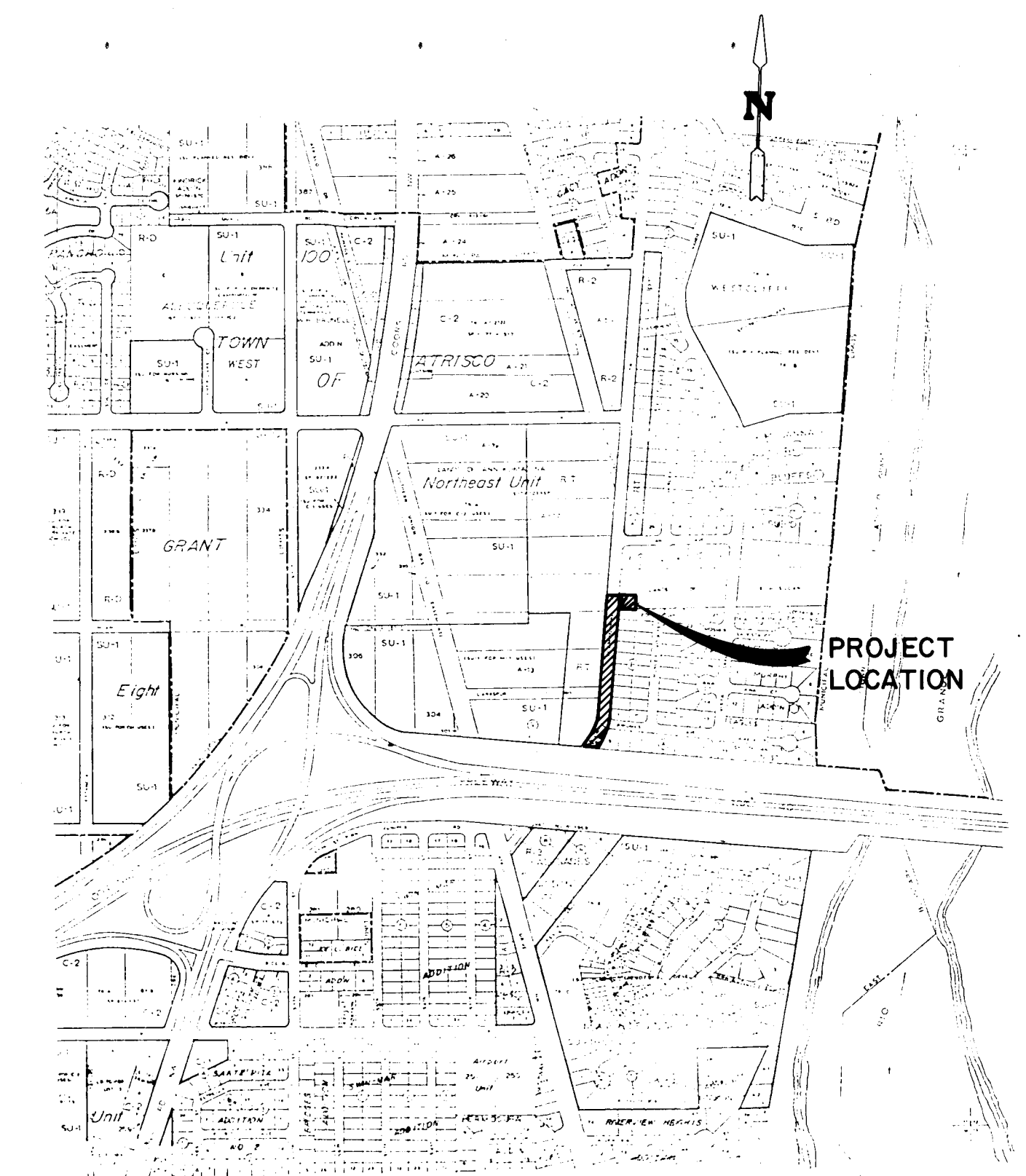


GONZALES WELL NO. 2

WELL DRILLING AND DRAIN LINE



LOCATION MAP
SCALE: 1" = 800'

INDEX OF DRAWINGS

<u>SHEET NO.</u>	<u>TITLE</u>
1 OF 7	COVER AND LOCATION MAP
2 OF 7	LEGEND, GENERAL NOTES AND ABBREVIATIONS
3 OF 7	DRAIN LINE PLAN AND PROFILE
4 OF 7	DRAIN LINE PLAN AND PROFILE
5 OF 7	DRAIN LINE PLAN AND PROFILE
6 OF 7	WELL DRILLING DETAILS
7 OF 7	IRRIGATION AND PLANTING MODIFICATIONS



RECORD DRAWING
JUL 25 1990
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

20 36150192

G-04-01

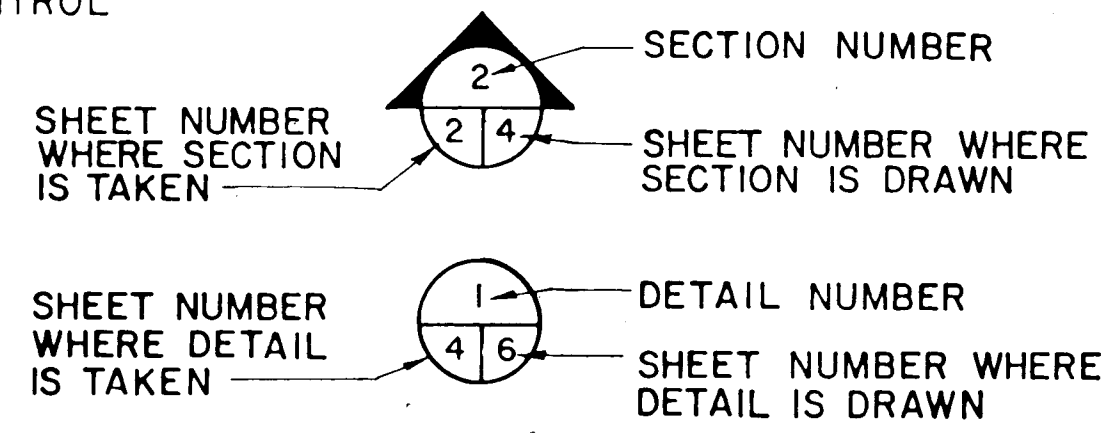
L-H INC, PROJECT NO. 8072.II

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
APPROVAL OF REVISIONS							
						APPROVED FOR CONSTRUCTION	
PROJECT NO.		LEEDSHILL-HERKENHOFF, INC. Copper Square, 500 Copper Ave. N.W. P.O. Box 1217 Albuquerque, New Mexico 87103 (505) 247-0294				SHEET OF	
3615						1 7	

PROPOSED	EXISTING	DESCRIPTION
●	○	SANITARY SEWER MANHOLE
⊙	⊙	STORM DRAIN MANHOLE
NA	⊙ TELE V-	TELEPHONE MANHOLE
SAS 8" CP	SAS 8" CP	SANITARY SEWER LINE W/ SIZE & TYPE
SD 48" RCP	SD 48" RCP	STORM DRAIN LINE W/ SIZE & TYPE
W 6" CI	W 6" CI	WATER LINE W/ SIZE & TYPE
NA	---E---	OVERHEAD ELECTRICAL LINES
---UE---	---UE---	UNDERGROUND ELECTRICAL / TRAFFIC CONTROL
NA	---UT---	UNDERGROUND TELEPHONE
NA	---G2---	GAS LINES W/ SIZE & TYPE
NA	---CT---	CABLE TELEVISION LINES
---	---	ENCASEMENT
---	---	STORM DRAIN INLETS (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
---	---	GATE VALVE
---	---	BUTTERFLY VALVE
---	---	FIRE HYDRANTS
---	---	REDUCERS
---	---	SAS SERVICE CONNECTION
---	---	WATER SERVICE CONNECTION
---	---	TEES
---	---	CROSSES
---	---	BENDS
---	---	CAPS & PLUGS
NA	---WW---	WATER METER
● VB	● VB	VALVE BOX
NA	● PP	POWER POLE
NA	● LP	LIGHT POLE
● TL	● TL	TRAFFIC LIGHT
■ TC	■ TC	TRAFFIC CONTROL BOX
■ PB	■ PB	PULL BOX
NA	● TB	TELEPHONE BOOTH
---	---	CURB & GUTTER
4" S.W.	4" S.W.	SIDEWALK
---	---	BLOCK WALL
---	---	CHAIN LINK FENCE
---	---	FIELD FENCE
---	NA	SPOT ELEVATIONS
NA	---	PROJECT / PHASE BOUNDARY
NA	---	RIGHT OF WAY LINES
NA	---	PROPERTY LINES (SIDE)
NA	---	PUBLIC EASEMENTS
---	NA	CONSTRUCTION THIS PROJECT SPECIFIED ON DIFFERENT SHEET
■ LB	NA	LIGHT POLE BASE

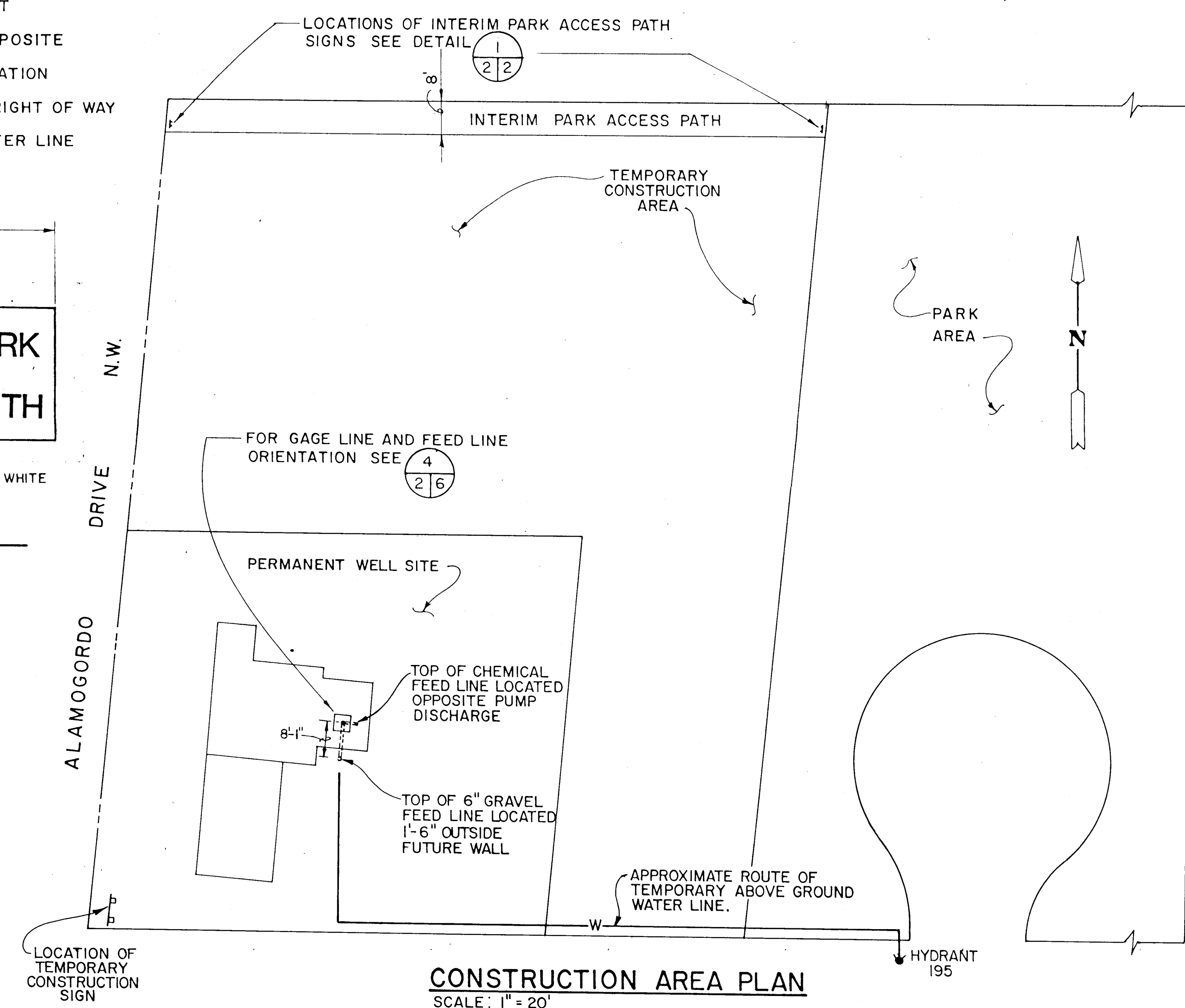
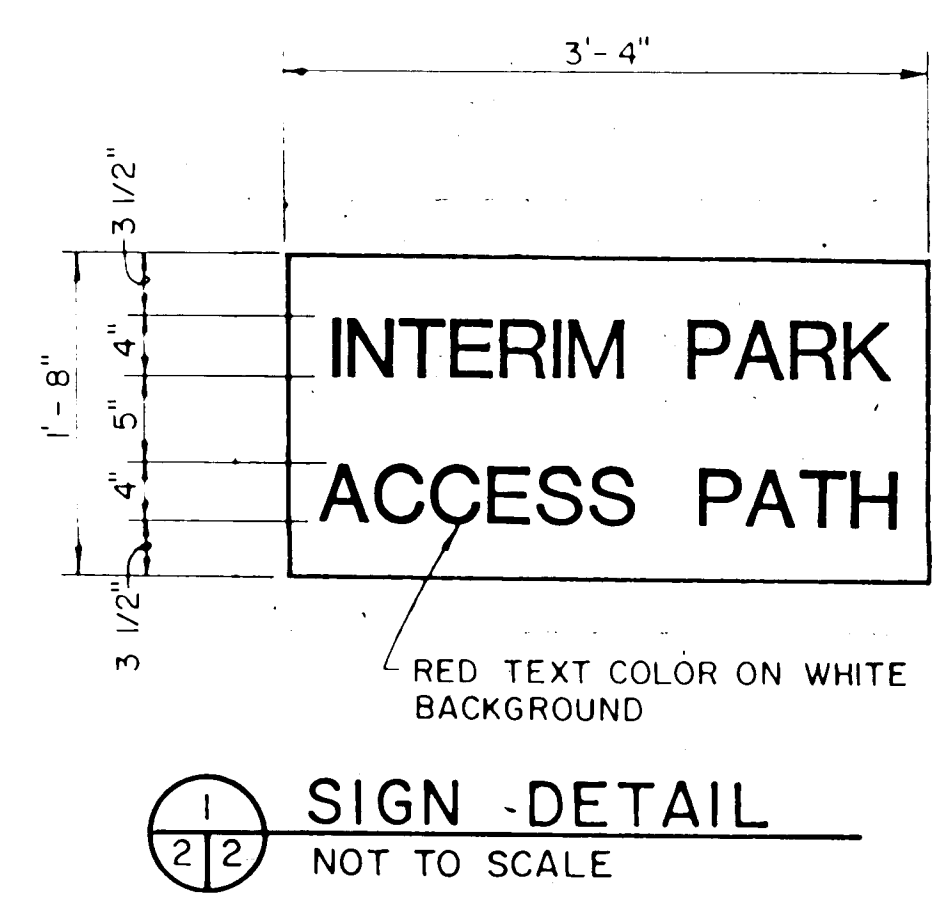
LEGEND

PROPOSED	EXISTING	DESCRIPTION
---	---	RESIDENTIAL PAVING
---	---	ARTERIAL PAVING
---	---	CONCRETE PAVING
---	---	TEMPORARY PAVING
---	---	WHEELCHAIR RAMPS



ABBREVIATIONS:

- F.L. = FLOW LINE ELEVATION
- CL CONST. = CENTER LINE CONSTRUCTION
- LT. = LEFT
- RT. = RIGHT
- OPP. = OPPOSITE
- STA. = STATION
- R.O.W. = RIGHT OF WAY
- CL = CENTER LINE



CONSTRUCTION AREA PLAN

SCALE: 1" = 20'

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION (REFERRED TO HEREINAFTER AS THE STANDARD SPECIFICATIONS).
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- EXCAVATED MATERIALS WILL ONLY BE PLACED AS APPROVED BY THE PROJECT ENGINEER.
- THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA.
- ALL PERMANENT R.O.W. AND CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CITY OF ALBUQUERQUE PRIOR TO THE BEGINNING OF CONSTRUCTION.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.
- ALL REFERENCES TO CITY STANDARD DRAWINGS WILL BE PER CITY OF ALBUQUERQUE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 1986.
- THE REMOVAL AND REPLACEMENT OF PRIVATE SIGNS AND OBSTRUCTIONS SHALL BE PERFORMED BY THE RESPECTIVE PROPERTY OWNERS UNLESS OTHERWISE NOTED. COORDINATION SHALL BE THE RESPONSIBILITY OF THE PROJECT ENGINEER.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATION WITH THE WATER SYSTEMS DIVISION MANAGER (823-4200) TWO (2) WORKING DAYS PRIOR TO ANY WORK NEEDING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN.
- ALL SCREWED ON CAPS SHALL BE PROVIDED WITH 1/4" X 2" WELDED STRAPS TO PREVENT UNAUTHORIZED ENTRY.

26 36150292

RECORD DRAWING

Date: 7/26/89

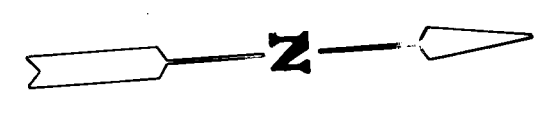
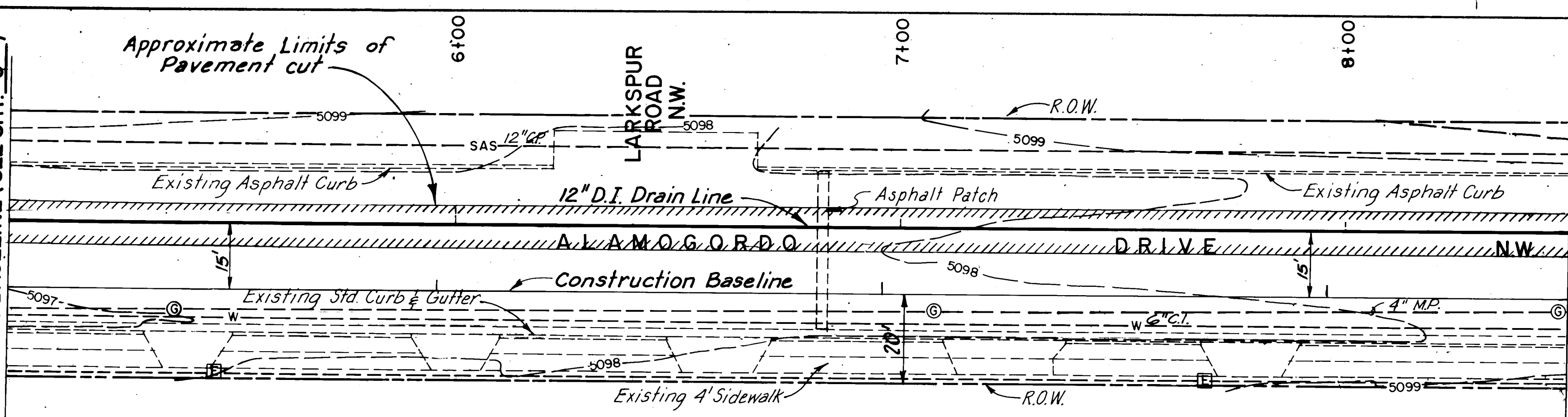
These drawings have been reviewed based on field data and every reasonable attempt has been made to depict construction as actually performed.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: GONZALES WELL NO.2 LEGEND, GENERAL NOTES AND ABBREVIATIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Ronald R. ...	7/27/89	Liquid Waste	REBO	7/26/89
A.C.E. - Design	"	"	Traffic	REBO	7/26/89
A.C.E. - Hydrology	"	"	Water	REBO	7/26/89
DRAWING NO.	3615	MAP NO.	H-11	SHEET	2 OF 7

MATCHLINE STA. 5+00 DRAIN LINE = STA. 4+04.22 CONST. BASELINE (SEE SHT. 3)

MATCHLINE STA. 8+50 DRAIN LINE = STA. 7+54.22 CONST. BASELINE (SEE SHT. 5)

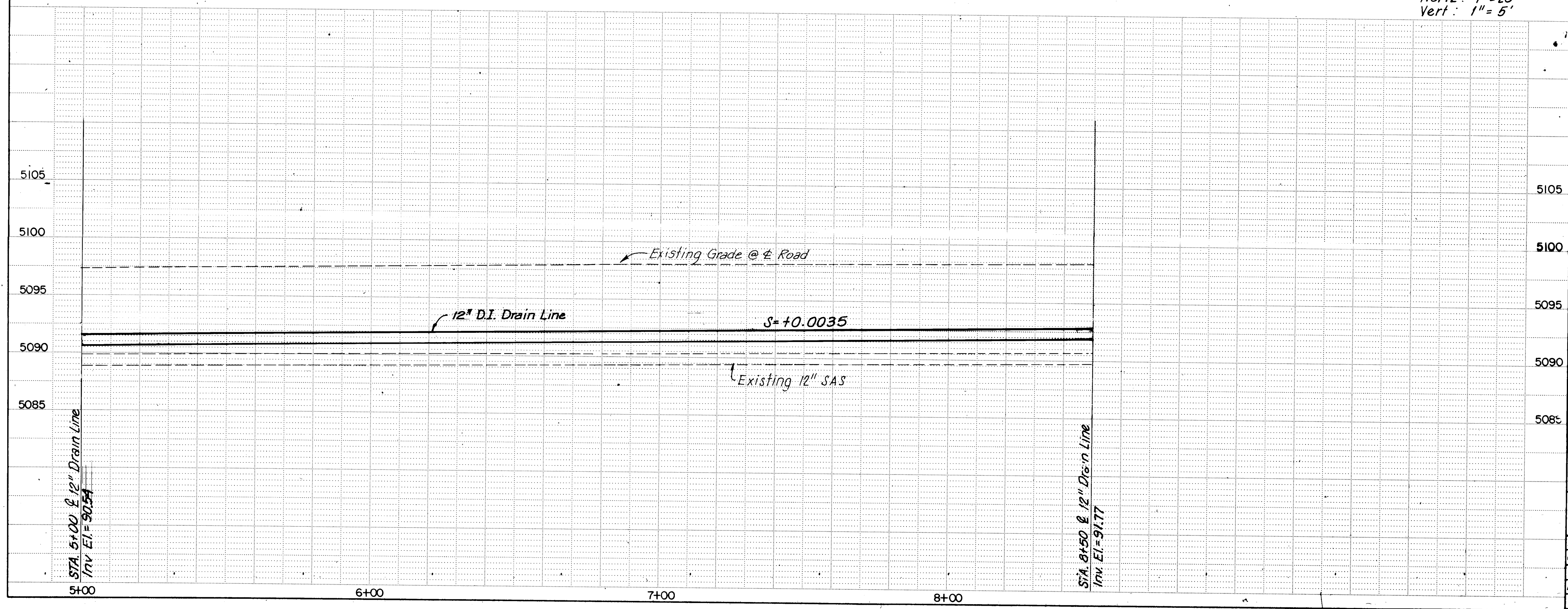
Approximate Limits of Pavement cut



TRAFFIC CONTROL

Three (3) working days prior to beginning construction the Contractor shall submit to Traffic Engineering Division a detailed construction schedule. Two (2) working days prior to construction the Contractor shall obtain a barricading permit from the Traffic Engineering Division. Contractor shall notify Barricade Engineer (768-2551) prior to occupying an intersection.

SCALES:
Horiz: 1"=20'
Vert: 1"=5'



CONSTRUCTION NOTES		
1. Prior to Construction Contractor shall excavate and verify horizontal and vertical locations of all obstructions, especially sanitary sewer service lines, crossing construction in Alamogordo Drive N.W. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with minimum amount of delay.		

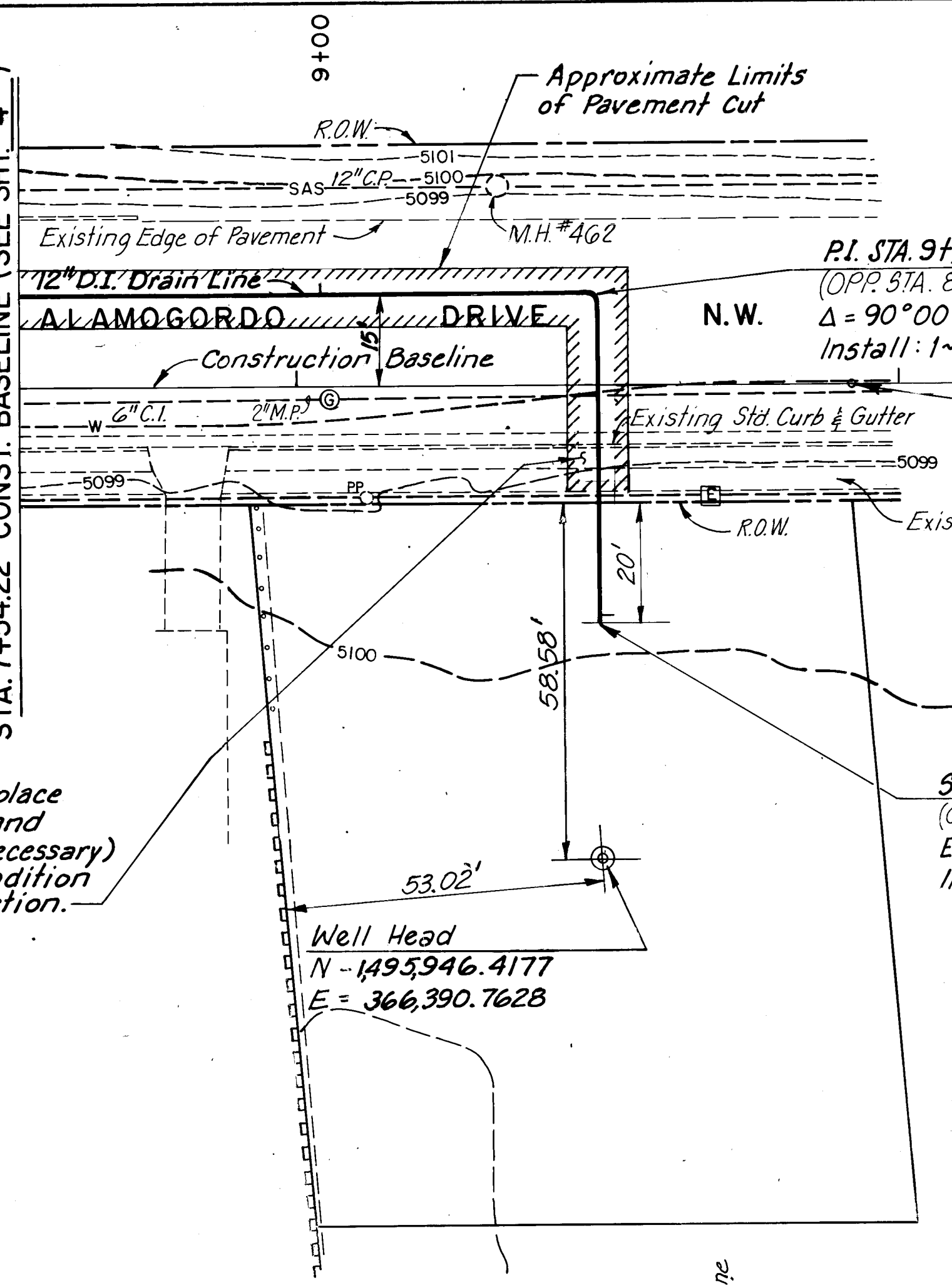
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
STA. 13 located 3.5 miles N.W. of downtown Albuquerque at the Hwy 1-40 and St. Rd 448 (Coors Rd N) interchange. To reach the STA. from intersection of St. Joseph Dr. & Coors Rd N, go S. on Coors Rd. 1.55 miles to N.W. corner of bridge crossing I-40. STA. at this point. STA mark is standard NWSHC brass tablet, stamped "STA 1-40-18" set in top of concrete post flush with the ground. ELEV = 5103.978							

REVISIONS	
NO.	DATE
1	7/25/89

DESIGNED BY		CHECKED BY	
NO.	DATE	NO.	DATE
1	7/25/89	1	7/25/89

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: GONZALES WELL NO.2 DRAIN LINE PLAN AND PROFILE STA 5+00 TO STA. 8+50					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		7/25/89	Liquid Waste		7/25/89
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO. 3615		MAP NO. H-11		SHEET 4 OF 7	

MATCHLINE STA. 8+50 DRAIN LINE = STA. 7+54.22 CONST. BASELINE (SEE SHT. 4.)

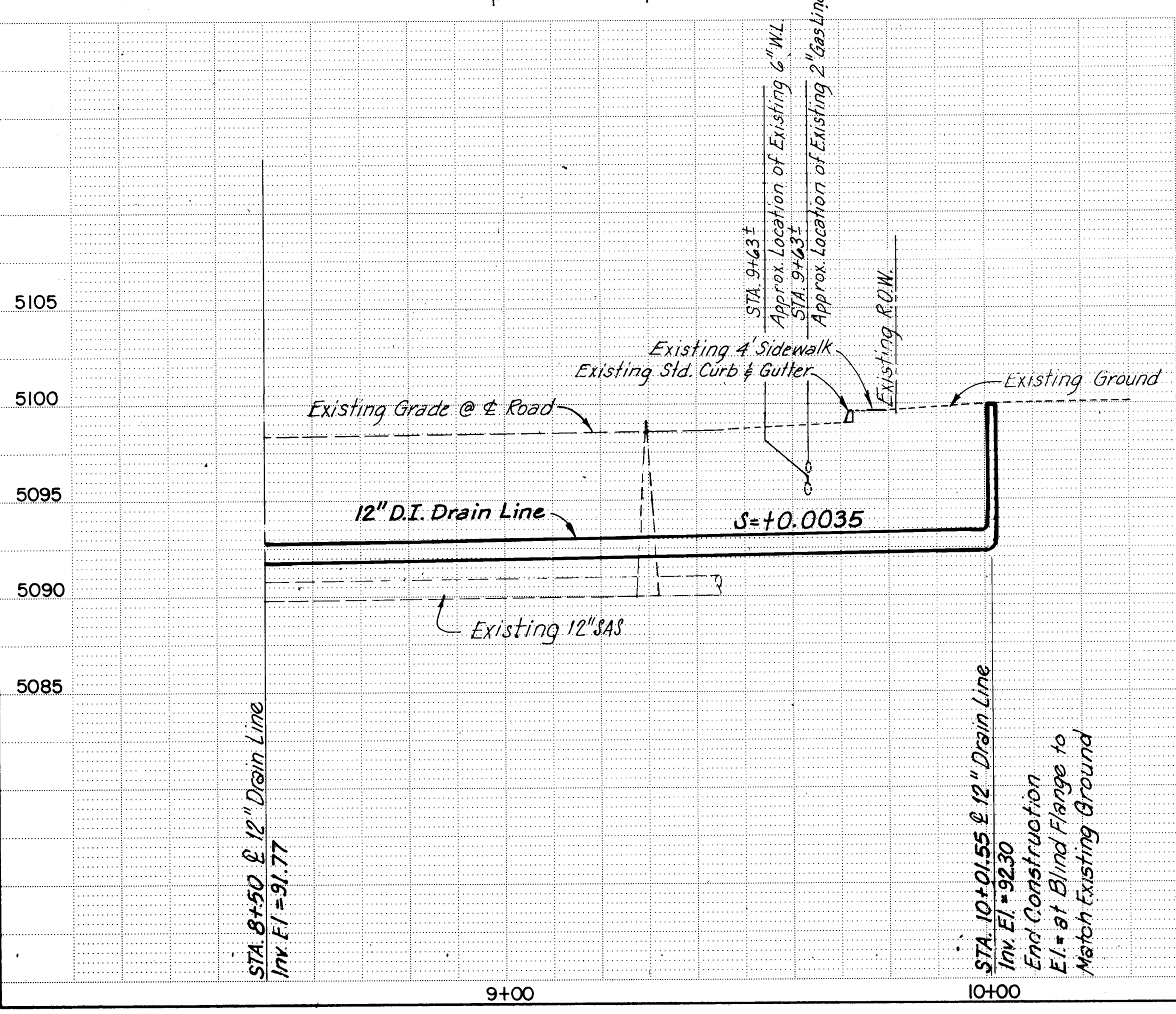
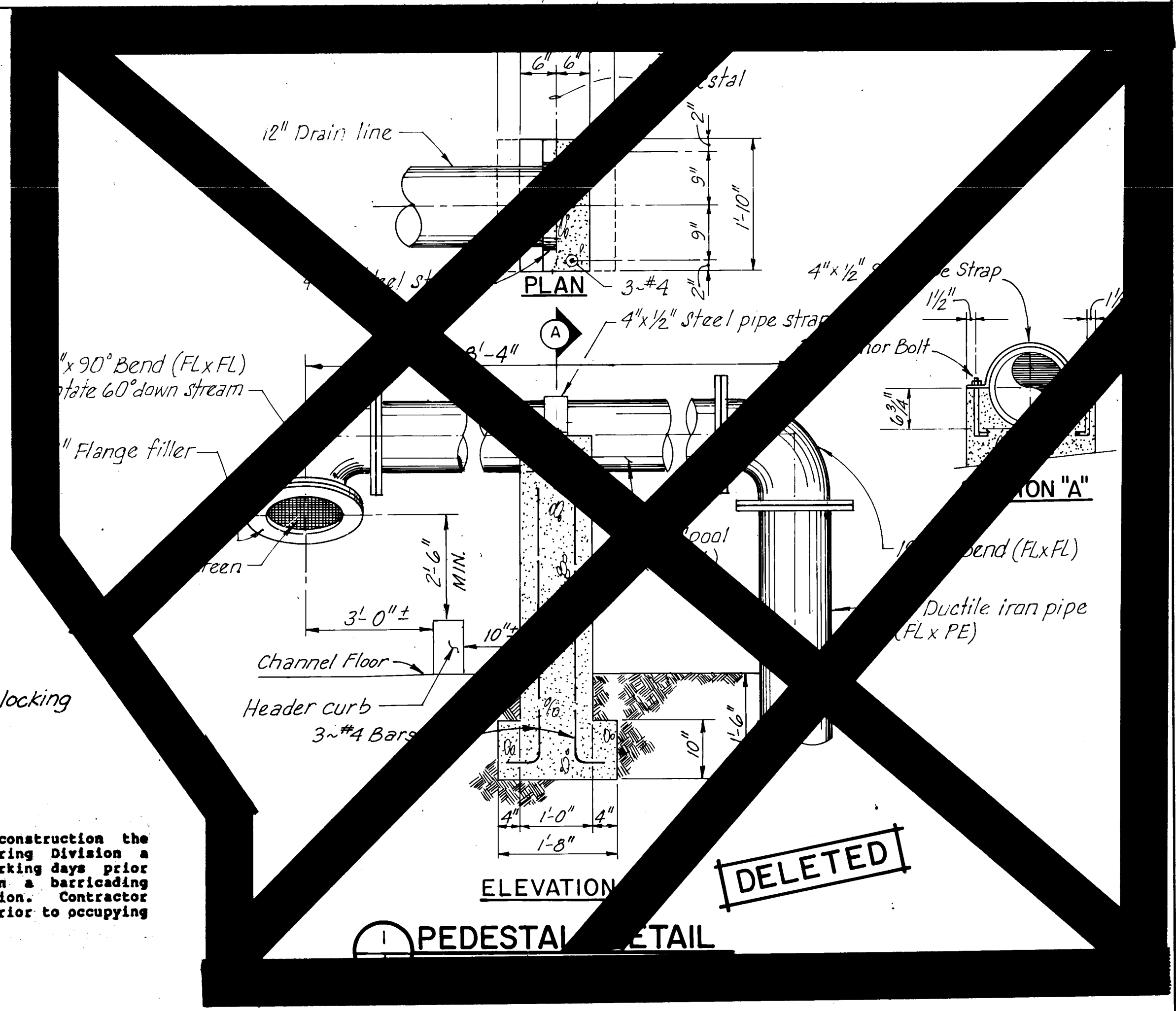


P.I. STA. 9+46.55 @ Drain Line
(OPP. STA. 8+50.77 Const. B.L., 15' LT.)
 $\Delta = 90^\circ 00' 00''$ RT.
Install: 1-12" 90° Bend w/Blocking
STA. 8+92.53 Const. B.L.
End Const. B.L.
N = 1495994.8678
E = 366316.1182

STA. 10+01.55 @ Drain Line
(OPP. STA. 8+50.77 Const. B.L., 40' RT.)
End Construction
Install: 1-12" 90° Bend (FLxFL) No Blocking
1-12" 3000' (FLxFL)
1-12" Blind Flange
Rotate 90° Vertical

TRAFFIC CONTROL
Three (3) working days prior to beginning construction the Contractor shall submit to Traffic Engineering Division a detailed construction schedule. Two (2) working days prior to construction the Contractor shall obtain a barricading permit from the Traffic Engineering Division. Contractor shall notify Barricade Engineer (768-2551) prior to occupying an intersection.

SCALES:
1" = 20' Horizontal
1" = 5' Vertical



CONSTRUCTION NOTES:
1. Prior to Construction Contractor shall excavate and verify horizontal and vertical locations of all obstructions, especially san. sewer serv. lines, water and gas crossing construction in Alamogordo Drive N.W. Should a conflict exist, the Contractor shall notify to Engineer so that the conflict can be resolved with minimum amount of delay.

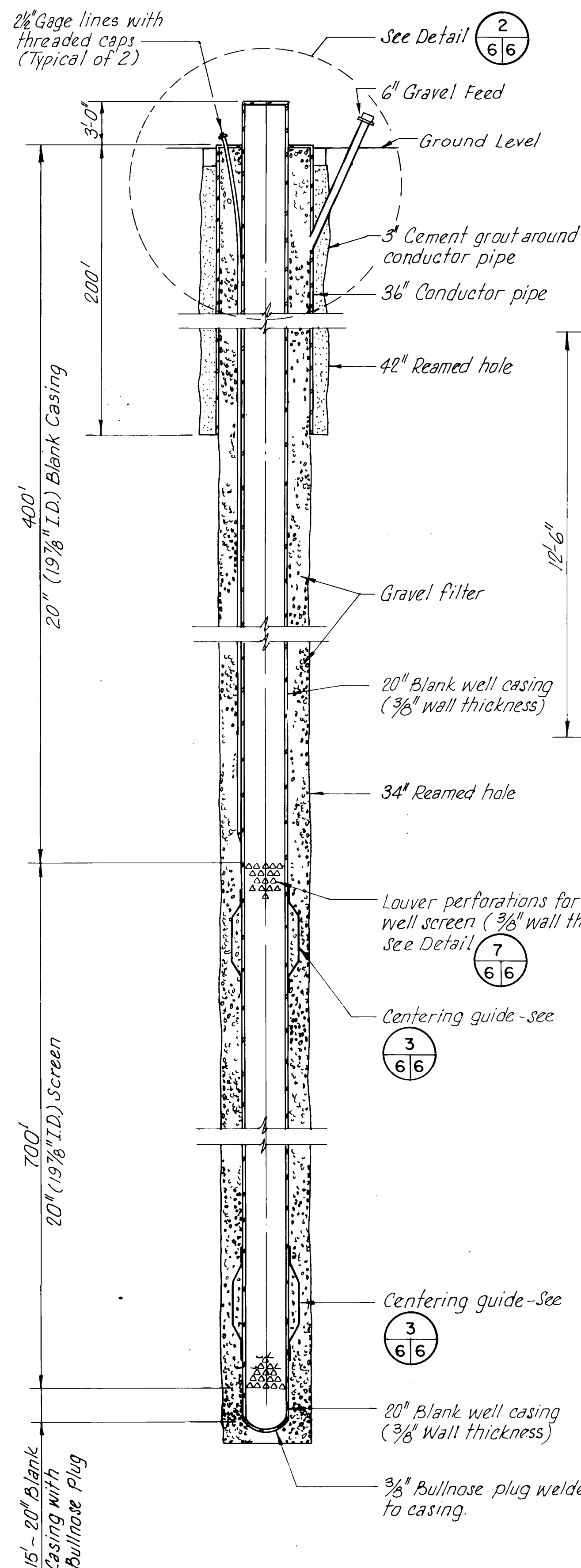
26 36150592

RECORD DRAWING
JUL 25 1990
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: GONZALES WELL NO. 2 DRAIN LINE PLAN AND PROFILE STA 8+50 TO STA. 10+01.55					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	7/26/90	Liquid Waste	<i>[Signature]</i>	7/26/90
A.C.E. - Design			Traffic	<i>[Signature]</i>	7-26-90
A.C.E. - Hydrology			Water	<i>[Signature]</i>	

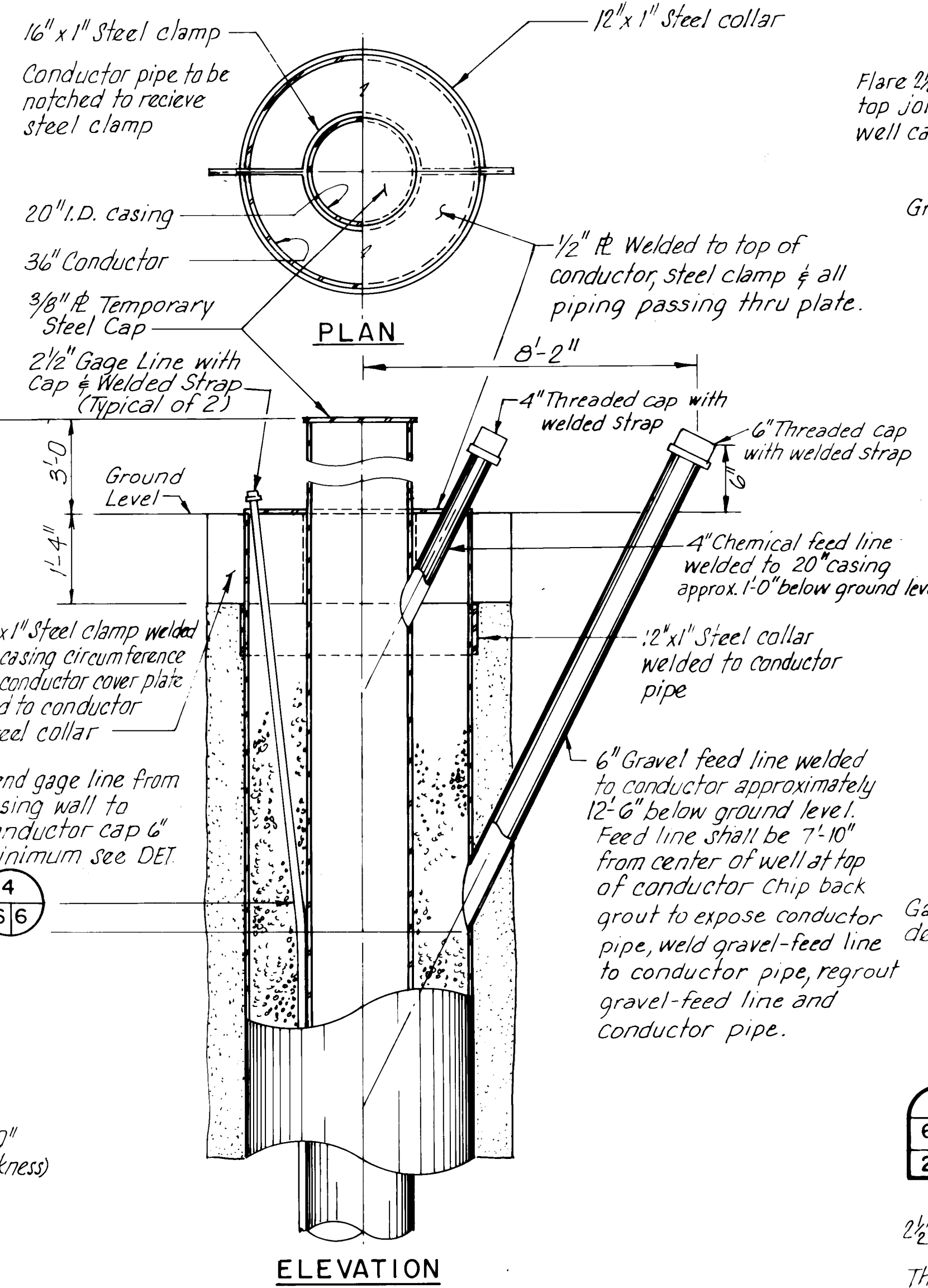
DRAWING NO. 3615 MAP NO. H-11 SHEET 5 OF 7

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO.	BY	DATE	NO.	DATE	NO.
		REVISIONS		DESIGN		MICRO-FILM INFORMATION	
		NO.	DATE	NO.	DATE	NO.	DATE
		DESIGNED BY D. D.		DATE FEB. 1989		RECORDED BY	
		DRAWN BY J. M.		DATE FEB. 1989		NO.	
		CHECKED BY D. D.		DATE FEB. 1989		ELEV. = 5103.978	

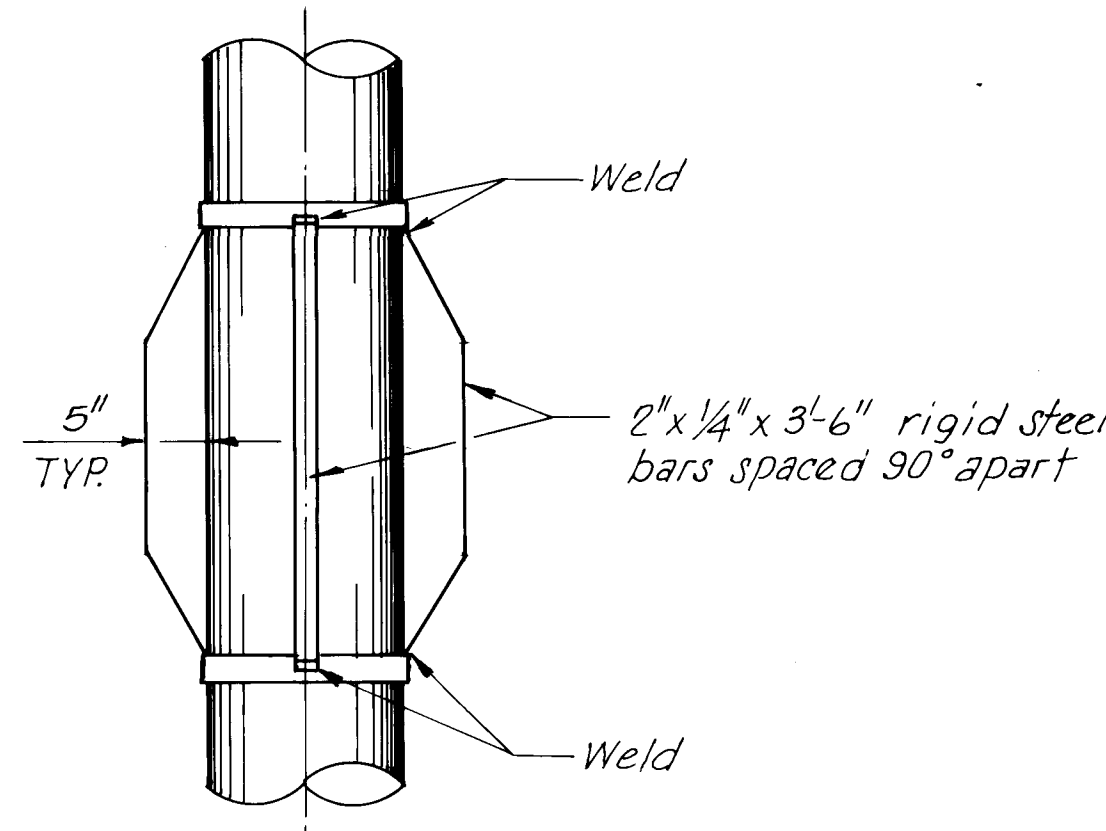


1 WELL-SECTION ELEVATION

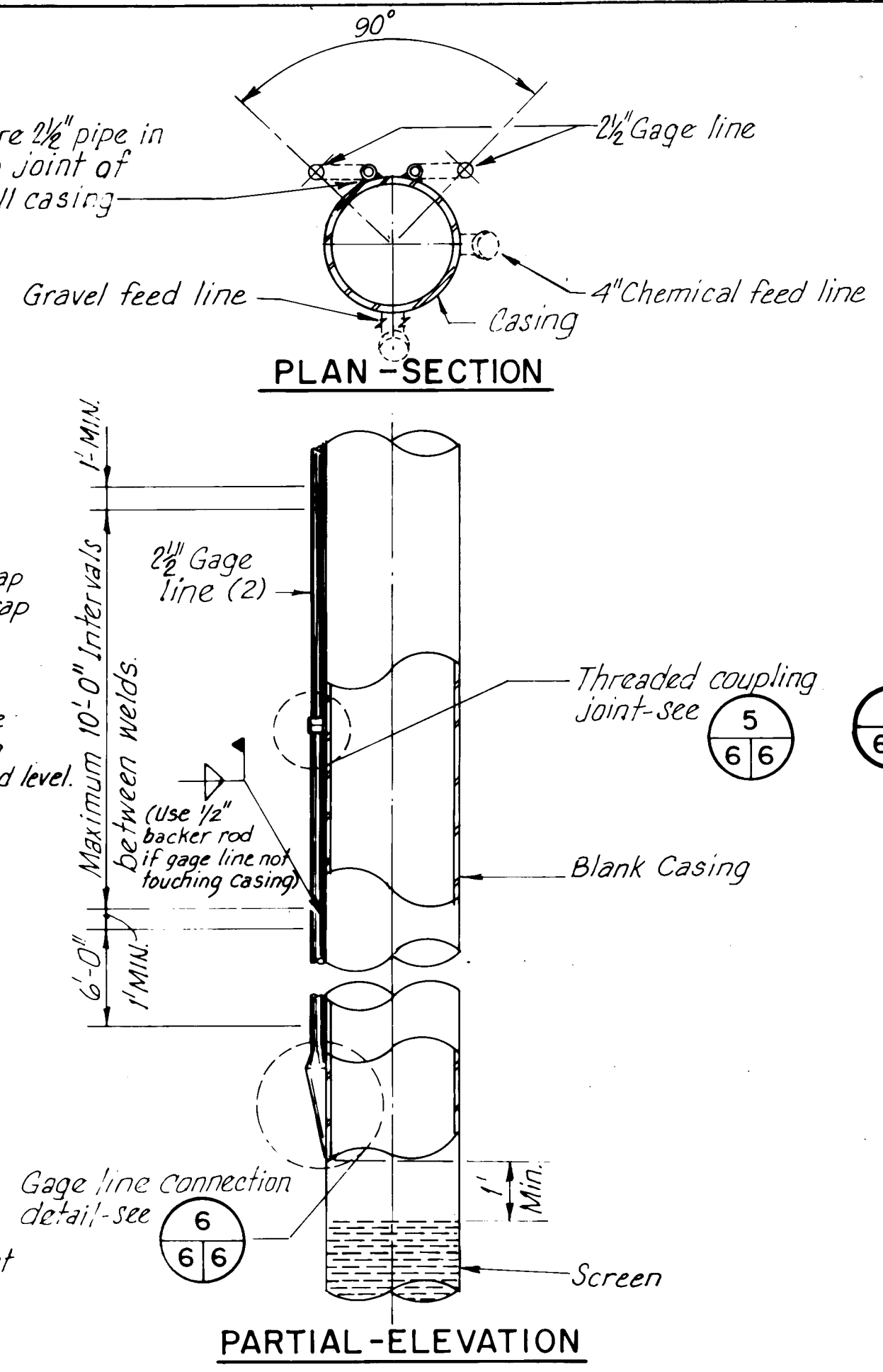
NOTE:
Dimensions indicated above for length of conductor, blank and perforated casing as well as overall depth are approximate and may be increased or decreased at the direction of the Engineer following completion of the pilot hole.



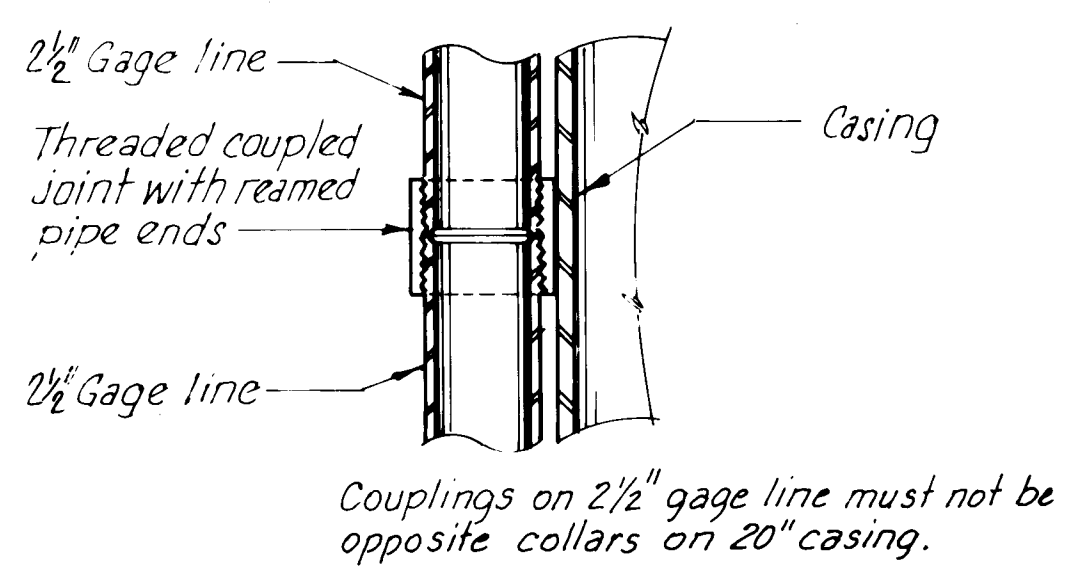
2 WELL HEAD DETAIL



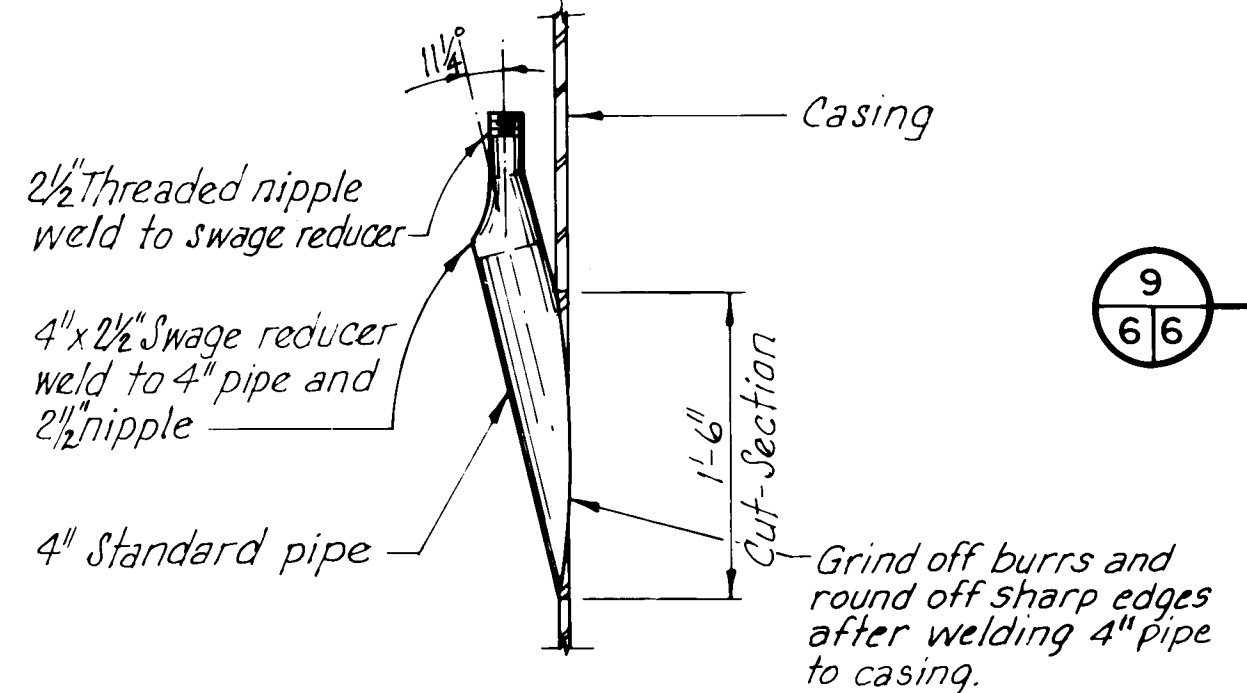
3 CENTERING GUIDE DETAIL (SCREEN SECTION ONLY)



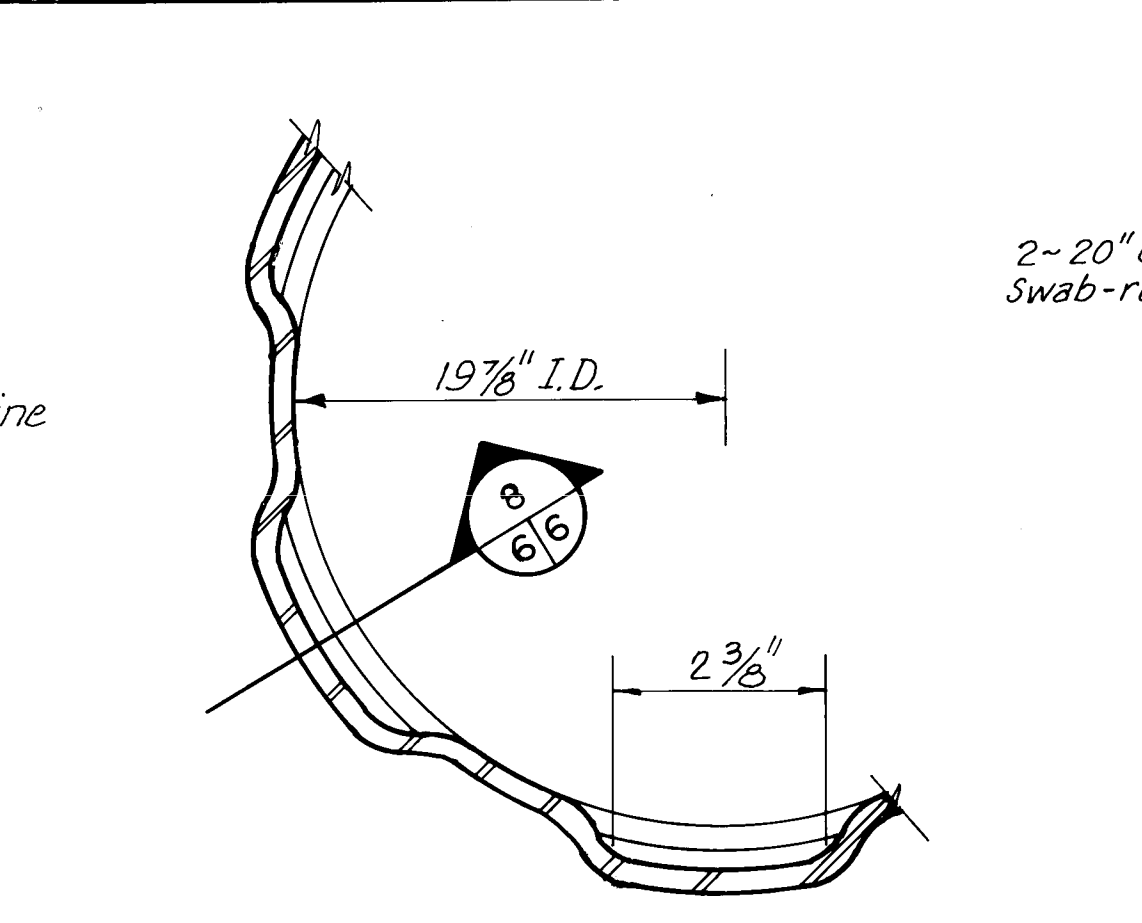
4 GAGE LINE DETAILS



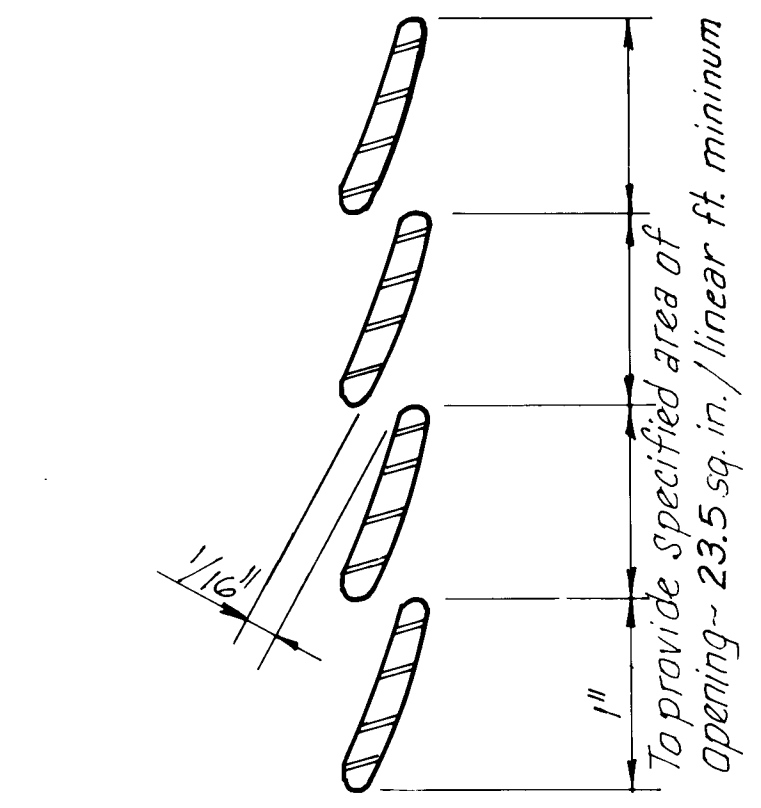
5 COUPLING DETAIL



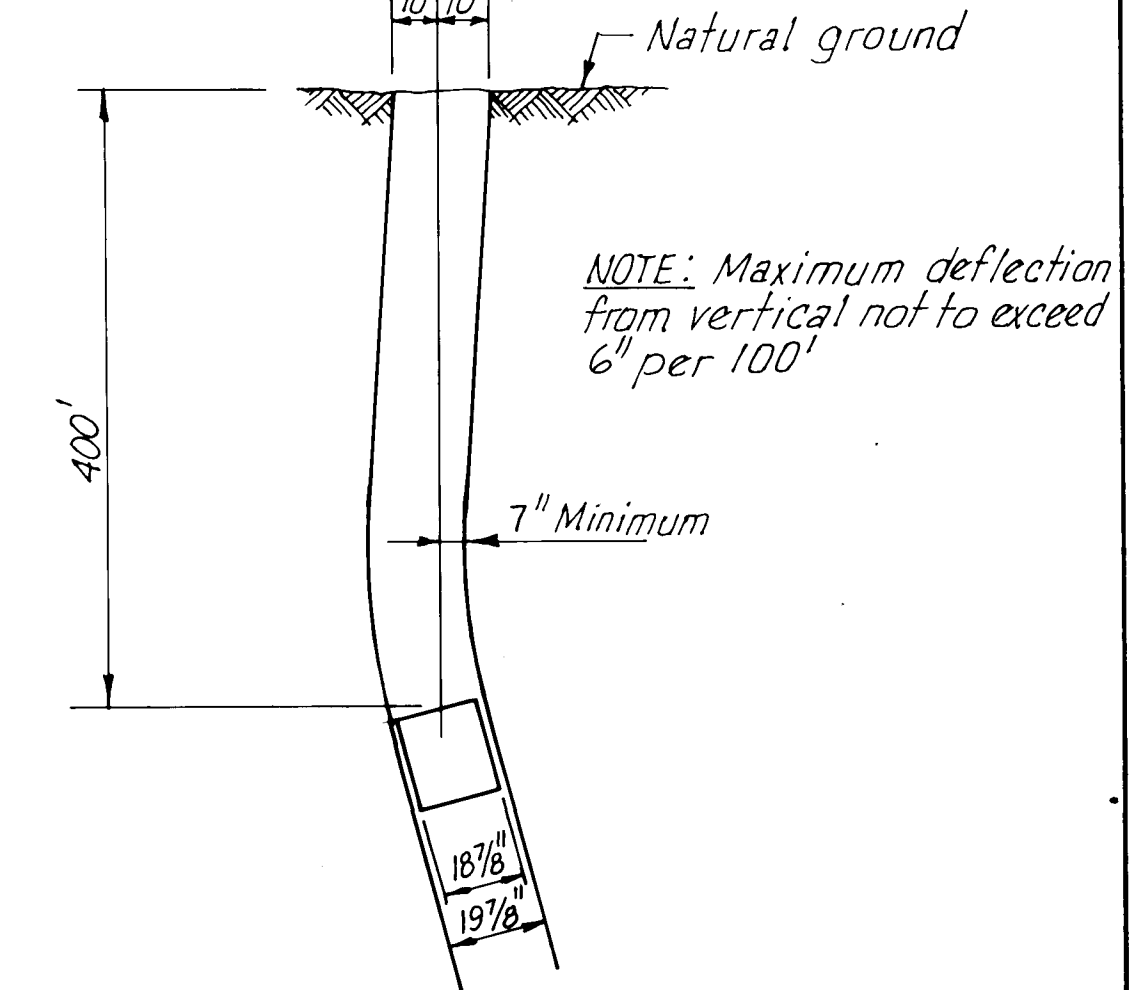
6 GAGE LINE CONNECTION DET. (TYPICAL OF 2)



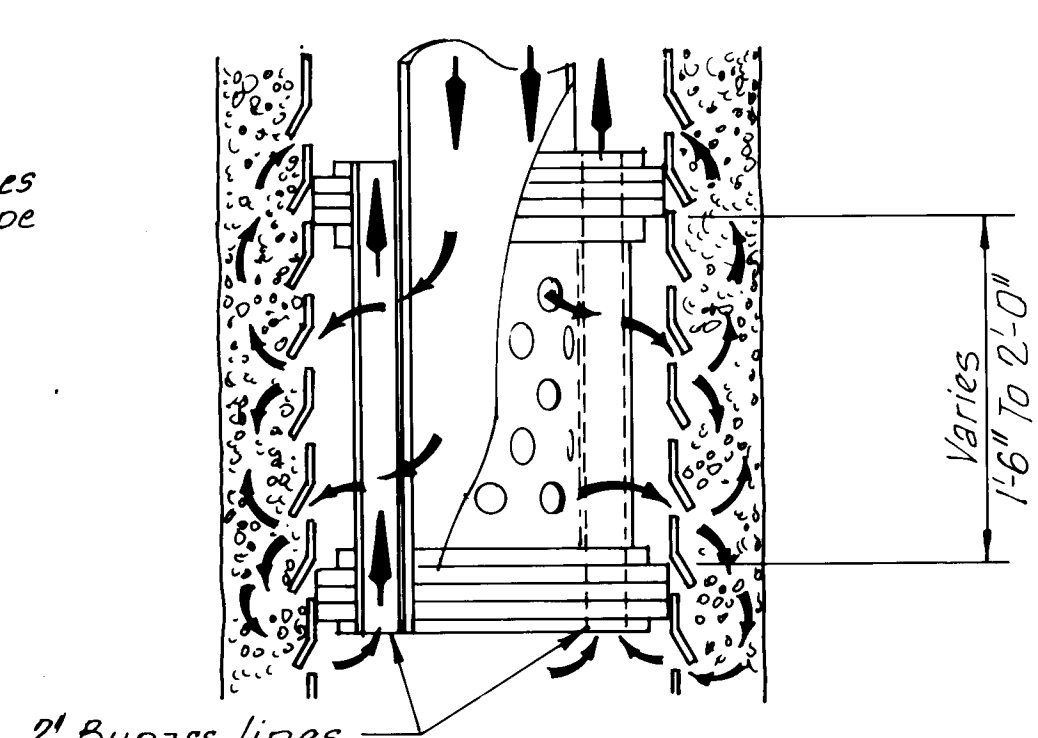
7 PARTIAL WELL SCREEN PLAN



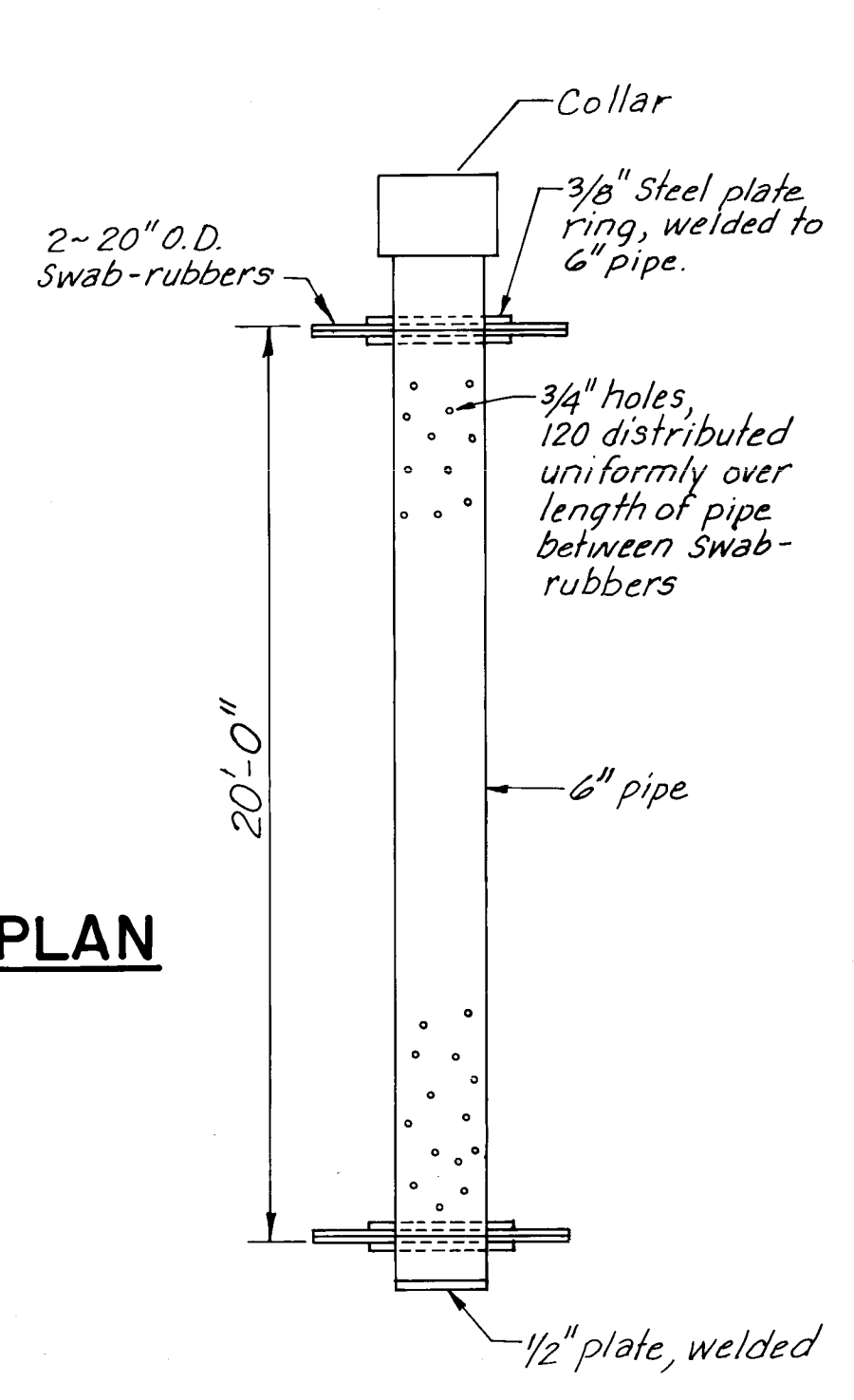
8 SECTION



9 DEFLECTION DETAIL



10 FLUSHING TOOL DETAIL



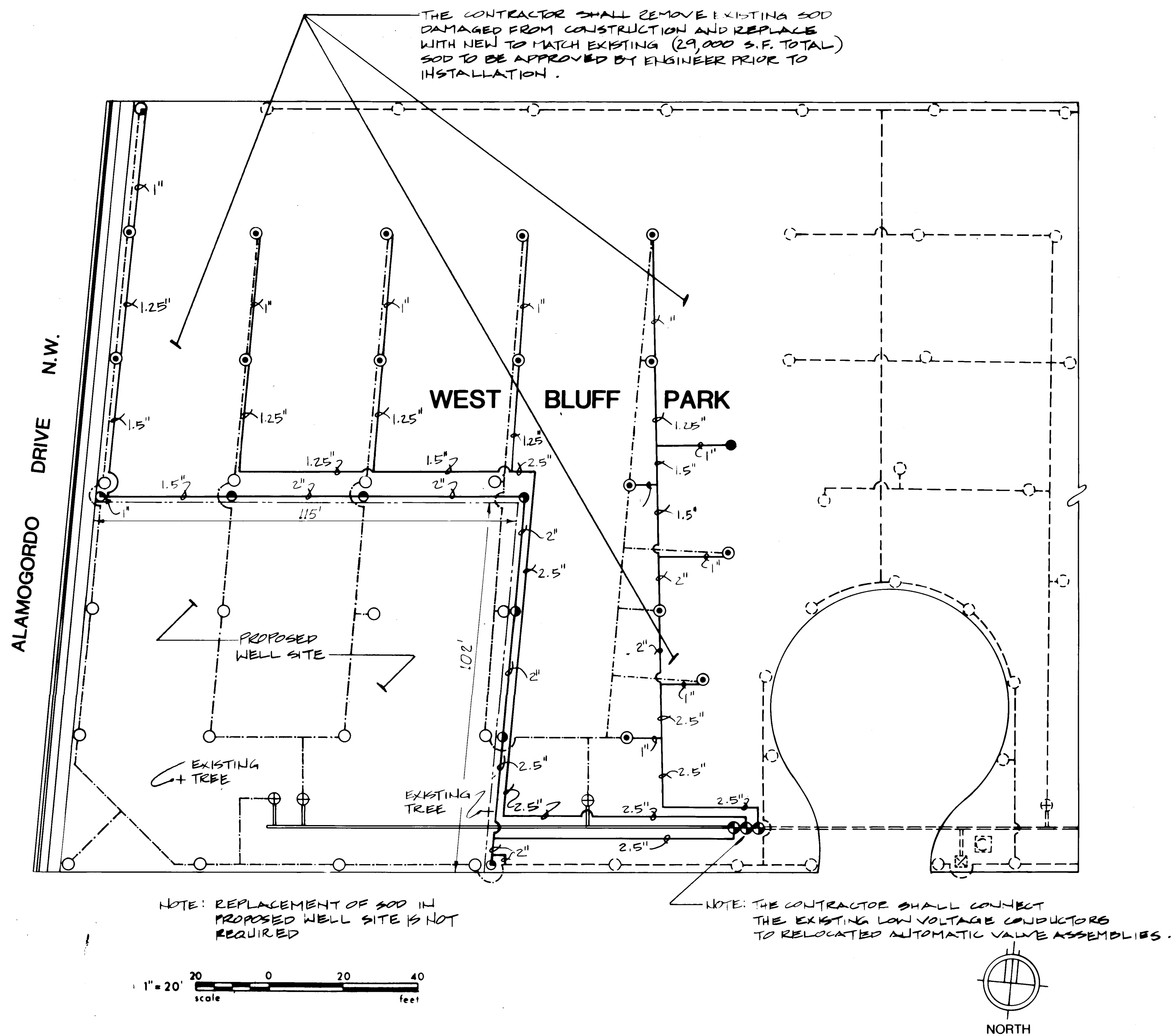
11 AIR-LIFT DEVELOPMENT TOOL DETAIL

26 36150692

RECORD DRAWING
Date JUL 25 1990
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: GONZALES WELL NO.2 WELL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	261	7/2/90			
Trans. Dev	210	7-26-89			
Utility Dev	2630	7/26/89			
DRAWING NO.	3615	MAP NO.	H-II	SHEET	6 OF 7

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		CHECKED BY	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
1	11/89	1	11/89	1	11/89	1	11/89	1	11/89	1	11/89	1	11/89
2	11/89	2	11/89	2	11/89	2	11/89	2	11/89	2	11/89	2	11/89
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11	11/89	11	11/89	11	11/89	11	11/89	11	11/89	11	11/89	11	11/89
12	11/89	12	11/89	12	11/89	12							



LEGEND	
	EXISTING SPRINKLER ASSEMBLY TO REMAIN.
	EXISTING MAIN LINE TO REMAIN.
	EXISTING LATERAL PIPING TO REMAIN.
	EXISTING AUTOMATIC VALVE ASSEMBLY TO REMAIN.
	EXISTING AUTOMATIC CONTROLLER TO REMAIN.
	EXISTING 2" WATER METER TO REMAIN.
	EXISTING LATERAL PIPING TO BE CAPPED AT ENDS AND ABANDONED IN PLACE PRIOR TO DRILLING OPERATIONS.
	EXISTING MAIN LINE PIPING TO BE CAPPED AT ENDS AND ABANDONED IN PLACE PRIOR TO DRILLING OPERATIONS.
	EXISTING SPRINKLER AND RISER ASSEMBLY TO BE REMOVED PRIOR TO DRILLING OPERATIONS. SEAL LATERAL FITTING WITH A PVC THREADED PLUG.
	EXISTING SPRINKLER AND RISER ASSEMBLY TO BE REMOVED PRIOR TO DRILLING OPERATIONS. SEAL LATERAL FITTING WITH A PVC THREADED PLUG. REPLACE EXISTING SPRINKLER AND RISER ASSEMBLY AT SAME LOCATION AFTER DRILLING OPERATIONS ARE COMPLETE.
	PROPOSED RELOCATION POINT FOR EXISTING SPRINKLER AND RISER ASSEMBLIES. CONTRACTOR SHALL FURNISH AND INSTALL NEW 90° (1 EACH) AND 270° (1 EACH) SPRINKLERS TO MATCH EXISTING MANUFACTURER. RELOCATION OF THESE SPRINKLER AND RISER ASSEMBLIES SHALL BE MADE AFTER DRILLING OPERATIONS ARE COMPLETE.
	EXISTING AUTOMATIC VALVE ASSEMBLY TO BE REMOVED PRIOR TO DRILLING OPERATIONS. CAP MAIN LINE TEE.
	PROPOSED RELOCATION POINTS FOR EXISTING AUTOMATIC VALVE ASSEMBLIES. RELOCATION TO BE COMPLETED AFTER DRILLING OPERATIONS ARE COMPLETE.
	PROPOSED LATERAL PIPING, 18" MINIMUM DEPTH OF BURY. LATERALS SHALL BE INSTALLED AFTER DRILLING OPERATIONS ARE COMPLETE.
	EXISTING TREE TO BE REMOVED BY CITY OF ALBUQUERQUE PARK MANAGEMENT DIVISION. CONTRACTOR SHALL NOTIFY PAUL DYKEMA WITH PARK MANAGEMENT (823-4062) TWO WEEKS PRIOR TO STARTING WORK.

NOTE: THE CONTRACTOR SHALL RETURN UNUSED SPRINKLERS AND RISER ASSEMBLIES TO PARKS MANAGEMENT.

NOTE: CONTRACTOR SHALL INSTALL IRRIGATION HEADS ADJACENT TO PROPOSED FENCE AT WELL SITE 2'-6" OUTSIDE PROPOSED FENCE LINE.

NOTE: CONTRACTOR USED ALL NEW SPRINKLER HEADS & RISERS TORO 5100 SERIES HEAD

26 36150792

RECORD DRAWING

Date JUL 5 1990

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GONZALES WELL NO. 2
IRRIGATION AND PLANTING MODIFICATIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair		7-18-89			
Trans Dev		7-26-89			
Utility Dev		7-26-89			

DRAWING NO. 3615 MAP NO. H-11 SHEET 7 OF 7

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY				