

PONDEROSA RESERVOIR NO. 2

ALBUQUERQUE, NEW MEXICO



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
WATER UTILITY DIVISION
5501 PINO ROAD, N.E., BLDG. J
ALBUQUERQUE, NM. 87109

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38.	48" EQUALIZATION LINE: STA. 28+51.66 - STA. 32+20.18
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42.	48" EQUALIZATION LINE: STA. 46+63.64 - STA. 47+85.18
43.	30" BYPASS LINE
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45.	OVERFLOW/DRAIN LINE: STA. 19+14.00 - STA. 22+98.79
46.	48" BUTTERFLY VALVE VAULT, UNDERDRAIN BEDDING, CONCRETE PIPE SUPPORT & 60" PIPE CASING
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50.	STREETSCAPE/LANDSCAPE PLAN-EAST
51.	STREETSCAPE/LANDSCAPE PLAN-WEST

"RECORD DRAWINGS"
REVISED TO CONFORM WITH CONSTRUCTION
RECORDS, *SH 05/10/14*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4478.90 01 94

REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
APPROVAL OF REVISIONS							

ENGINEER'S SEAL	URS CONSULTANTS, INC. 1040 SOUTH EIGHTH STREET COLORADO SPRINGS, COLORADO (719)634-6699 80906	APPROVED FOR CONSTRUCTION
TIMOTHY R. WILES NEW MEXICO 10675 REGISTERED PROFESSIONAL ENGINEER 12/18/92		<i>Carol K...</i> CITY ENGINEER DATE 12-22-92
COA PROJECT NO. 4478.90		SHEET 1 OF 51

SCANNED BY
BY LASON

LEGEND

RIGHT-OF-WAY LINE
LOT LINE
CENTERLINE
MATCH LINE
EXISTING CONTOUR
EXISTING DEPRESSION CONTOUR

EXISTING SPOT ELEVATION
EXISTING GAS LINE
EXISTING UNDERGROUND TELEPHONE
EXISTING ELECTRIC BOX
EXISTING SIGNAL CABLE
EXISTING TRAFFIC LIGHT

EXISTING STORM DRAIN
EXISTING STORM DRAIN MANHOLE
PROPOSED STORM DRAIN MANHOLE
EXISTING STORM DRAIN INLET
EXISTING SANITARY SEWER LINE
EXISTING CAP OR PLUG
EXISTING ENCASEMENT
PROPOSED ENCASEMENT

EXISTING WATER LINE
PROPOSED WATER LINE
PROPOSED PERFORATED PIPE
EXISTING WATER SERVICE CONNECTIONS
EXISTING WATERLINE MANHOLE
EXISTING VALVE
PROPOSED GATE VALVE
PROPOSED BUTTERFLY VALVE
EXISTING FIRE HYDRANT

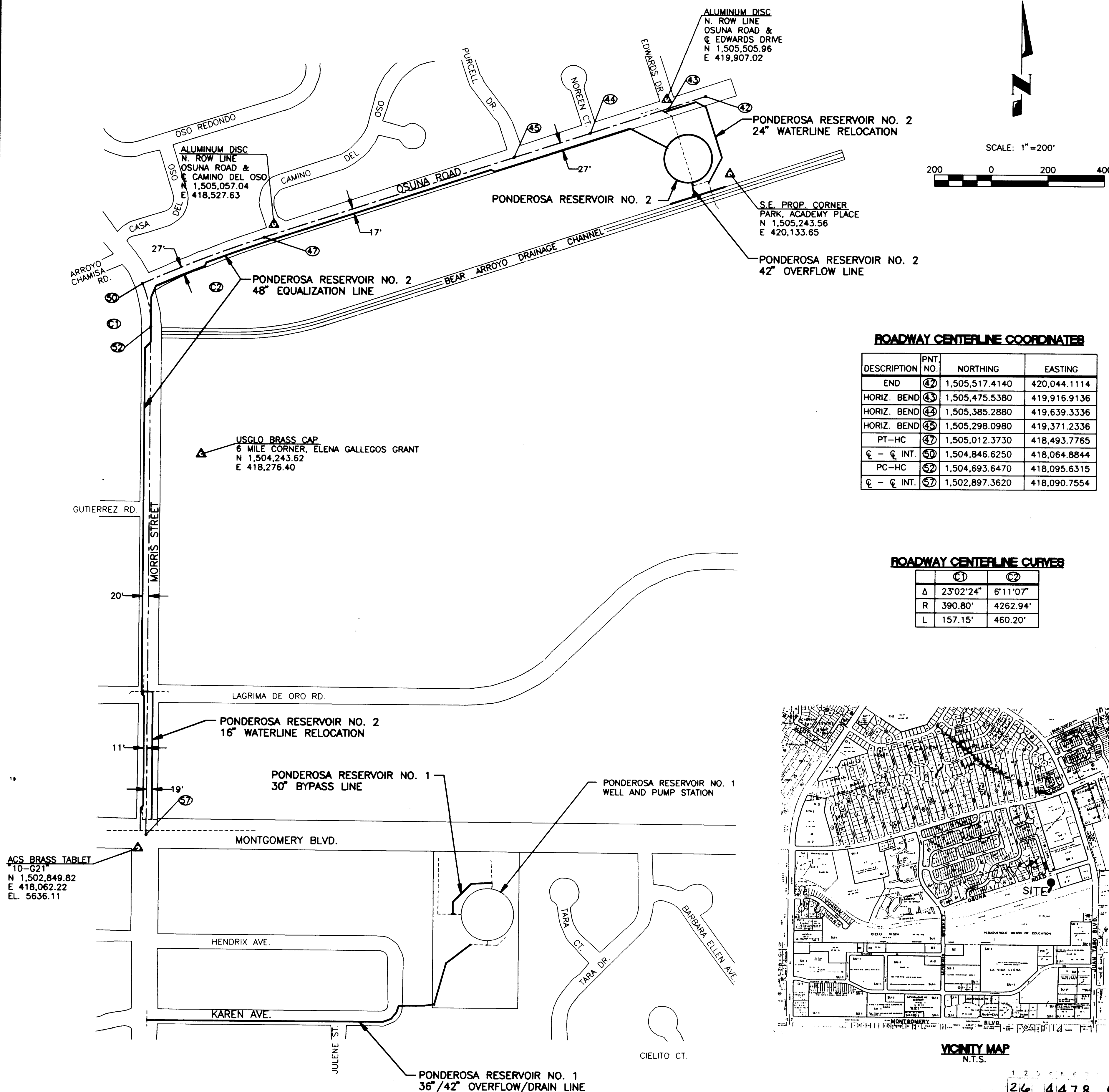
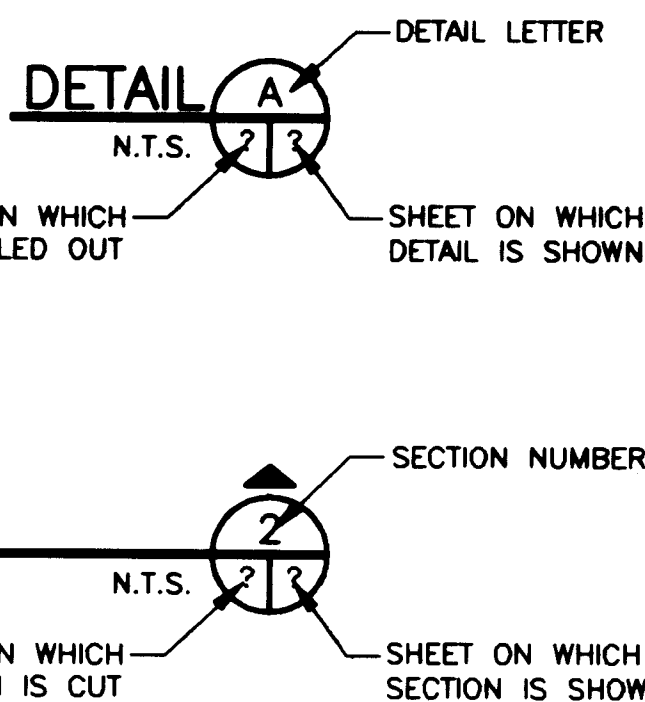
EXISTING REDUCER
PROPOSED REDUCER
EXISTING ELBOWS
PROPOSED ELBOWS
EXISTING CROSS
PROPOSED CROSS
EXISTING TEES
PROPOSED TEES

EXISTING SAFETY RAILING
EXISTING FENCE
EXISTING WOOD PICKET FENCE
EXISTING RAILROAD TIE RETAINING WALL
EXISTING POWER POLE
EXISTING LIGHT POLE
EXISTING SIGN
EXISTING MONUMENTS

EXISTING TREES & SHRUBS

EXISTING IRRIGATION LINE
EXISTING SPRINKLER HEAD
EXISTING WATER METER W/ SERVICE LINE
EXISTING OVERHEAD ELECTRIC LINE
EXISTING TELEPHONE RISER

LIMITS OF REMOVAL

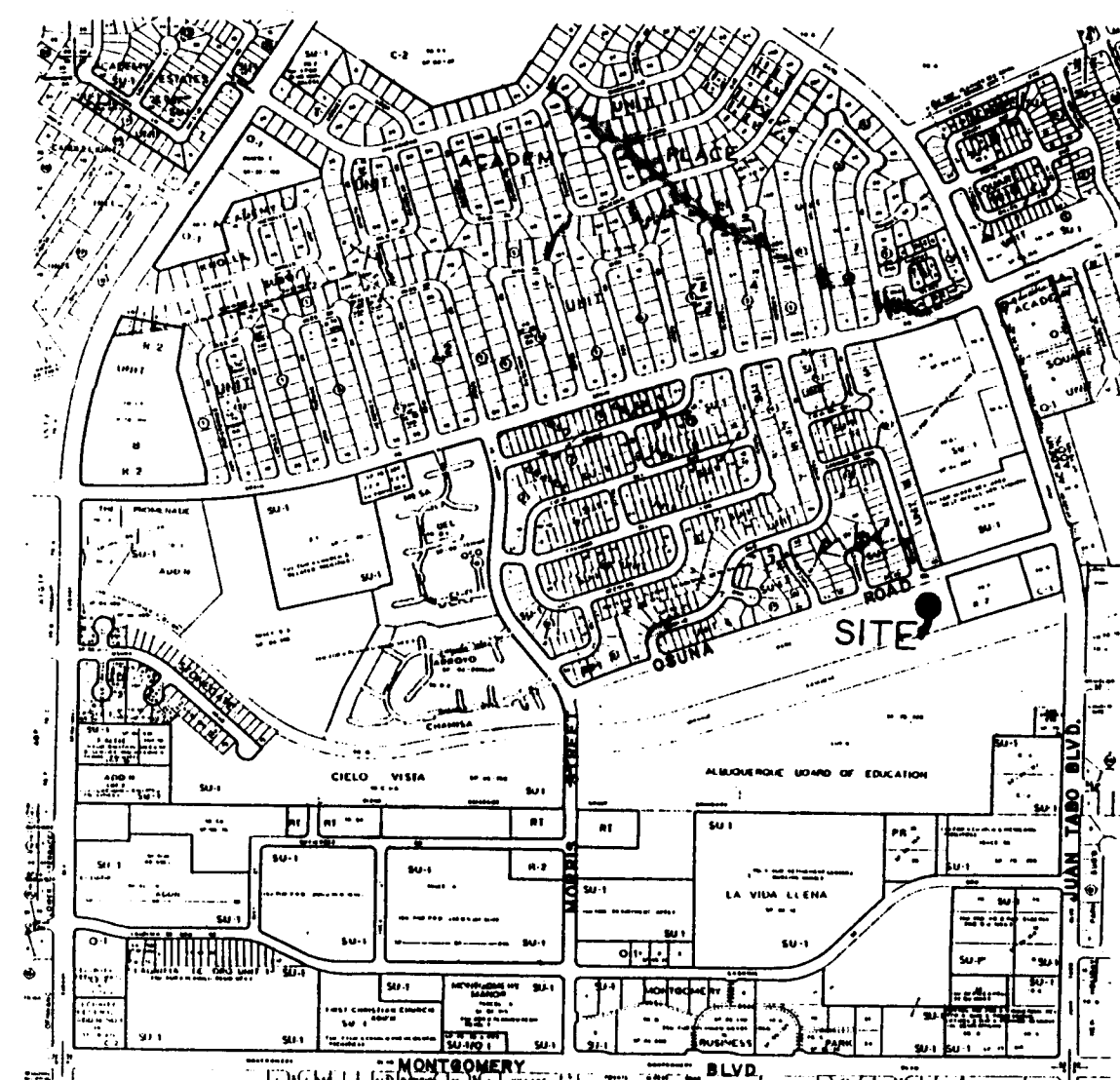


ROADWAY CENTERLINE COORDINATES

DESCRIPTION	PNT. NO.	NORTHING	EASTING
END	42	1,505,517.4140	420,044.1114
HORIZ. BEND	43	1,505,475.5380	419,916.9136
HORIZ. BEND	44	1,505,385.2880	419,639.3336
HORIZ. BEND	45	1,505,298.0980	419,371.2336
PT-HC	47	1,505,012.3730	418,493.7765
Q - Q INT.	50	1,504,846.6250	418,064.8844
PC-HC	52	1,504,693.6470	418,095.6315
Q - Q INT.	57	1,502,897.3620	418,090.7554

ROADWAY CENTERLINE CURVES

	①	②
Δ	25°02'24"	6°11'07"
R	390.80'	4262.94'
L	157.15'	460.20'



VICINITY MAP
N.T.S.

RECORD DRAWING
26 4478.900294

GENERAL NOTES

All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided hereon, be constructed in accordance with the New Mexico Standard Specifications for Public Works Construction - 1986 Edition, with the latest addendum and modifications thereto, (referred to herein as the **Standard Specifications**) and the Contract Documents for City-Wide Utilities and Cosh Paving No. 1.

Prior to construction, the contractor shall verify material quantities, excavate and verify the horizontal and vertical locations of all utilities, structures & obstructions, both shown & found, in the vicinity of proposed construction. Should a conflict exist, the contractor shall notify the Resident Engineer so that the conflict can be resolved with minimum amount of delay.

Two (2) working days prior to any excavation, Contractor must contact Line Locating Service, 260-1990, for location of existing utilities.

Backfill compaction shall be according to specified street use.

Sidewalk and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.

If curb is depressed for a driveway or a handicap ramp, the driveway or ramp shall be constructed prior to the acceptance of the curb and gutter.

Unless otherwise indicated on the plans, all salvaged materials (pipe, fittings, valves and other waterline appurtenances) shall become the property of the Contractor and shall be removed from the site.

The Contractor shall preserve all survey control points, monuments and reference points. Delays arising out of inadvertent disturbance of the points will not serve as justification for a time extension.

The Contractor shall supply shop drawings to the Resident Engineer for all fabricated materials to be supplied with this Contract.

The Reservoir shall be disinfected and bacteriological test performed in accordance with the Supplemental Technical Specifications. Section 1019.

Leakage tests for the reservoir shall be completed in accordance with the Supplemental Technical Specifications. Section 1019.

All new piping must be disinfected and pressure tested prior to being put in service.

Where restrained joints are required and/or indicated, set screw type retainer glands are not permitted and joint restraint method shall be approved by the Resident Engineer.

The Contractor shall not operate any valves without prior approval of the Water Systems Division Operations Section. Contractor shall provide five days notice prior to operation of exist. valves. Water Division may, at any time, rescind the approval should it be necessary for operation of the water system.

Contractor shall be responsible for maintaining access, and provide dust control to the site during construction.

Three (3) working days prior to beginning construction, the Contractor shall submit to the Construction Co-ordination Division a detailed construction schedule. Two (2) working days prior to construction, the Contractor shall obtain a barricading permit from the Construction Co-ordination Division. Contractor shall notify Barricade Engineer, 768-2551, prior to occupying an intersection. See section 19 of the Standard Specifications.

All street striping altered or destroyed shall be replaced in kind by Contractor to location and in kind as existing or as indicated by this plan sheet.

URS
CONSULTANTS, INC.

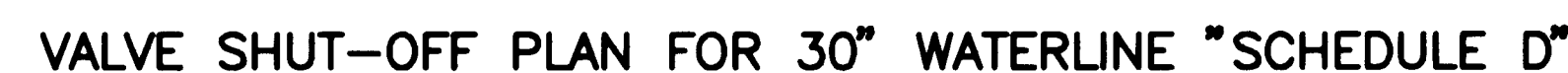
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PROJECT LAYOUT PLAN
PONDEROSA RESERVOIR NO. 1 & 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-12-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12/22/92			

COA PROJECT NO. 4478.90 MAP NO. F-21&G-21 SHEET 2 OF 51

SCANNED BY LASON



- 1.) ONCE ALL MATERIALS AND EQUIPMENT ARE READY FOR THE 30 INCH BYPASS TIE IN, CONTRACTOR SHALL PERFORM THE FOLLOWING STEPS BELOW: CONTRACTOR SHALL GIVE THE ASSISTENT ENGINEER 48 HOUR NOTIFICATION PRIOR TO TIE-IN. 2. PONDEROSA RESERVOIR NO. 1 SHALL NOT BE OUT OF SERVICE FOR MORE THAN 8 HOURS. CONTRACTOR MAY BE REQUIRED TO PERFORM TIE IN DURING OFF PEAK HOURS (10 PM TO 5 AM).
- a.) VALVE 312 (36" BUTTERFLY VALVE) ON THE 36" INLET/OUTLET LINE SHALL BE CLOSED.
- b.) CONTRACTOR SHALL PLUG THE PONDEROSA RESERVOIR NO. 1 36" INLET/OUTLET. PLUGGING METHOD TO BE APPROVED BY CITY.
- 2.) VALVES 001 & 002 (24" BUTTERFLY VALVE), NEAR MONTGOMERY BLVD., AND VALVE 003 (24" BUTTERFLY VALVE), NEAR RESERVOIR, SHALL BE CLOSED.
- 3.) CONTRACTOR SHALL PROCEED WITH INSTALLATION OF THE 30 INCH WELL COLLECTOR LINE BYPASS AS SHOWN ON SHEET 43, EXCEPT FOR THE TIE IN AT THE 36" RESERVOIR INLET/OUTLET LINE
- 4.) WHEN 30" WATERLINE IS TESTED AND APPROVED, OPEN ALL EXIST. VALVES THAT WERE PREVIOUSLY CLOSED AND REMOVE PLUG FROM 36" INLET/OUTLET.



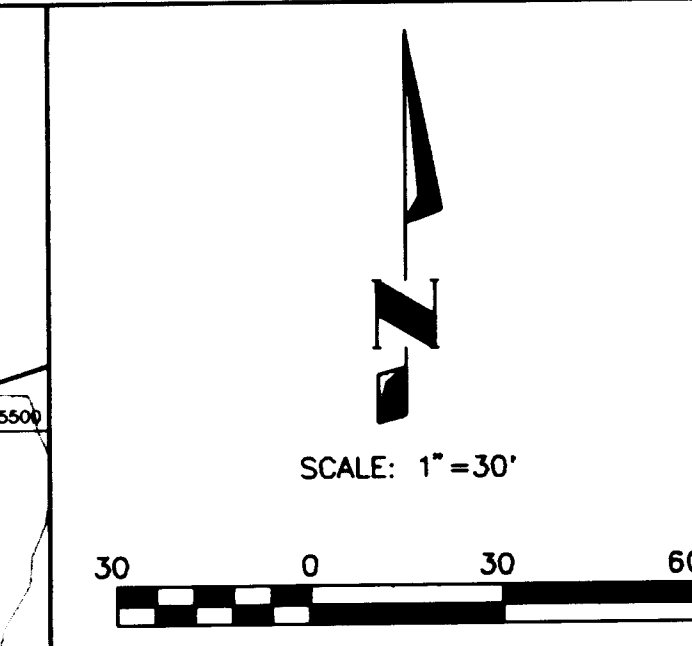
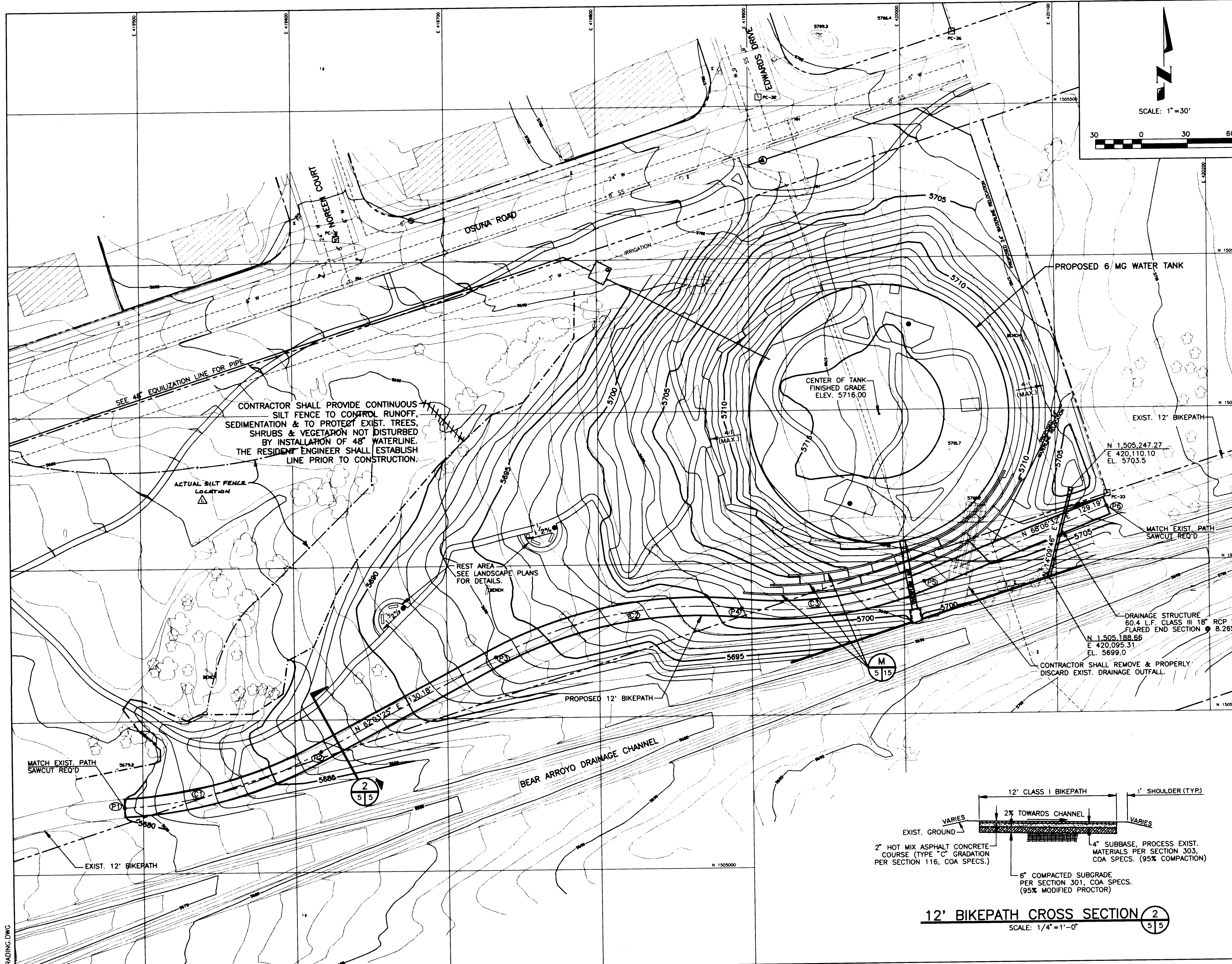
- 1.) VALVE 795 (16" GATE VALVE) SHALL BE CLOSED.
- 2.) VALVE 1153 (12" GATE VALVE) SHALL BE CLOSED.
- 3.) VALVES 841, 1101, 1151 & 1153 (8" GATE VALVE) SHALL BE CLOSED.
- 4.) RELOCATE 16 INCH WATER LINE AS SHOWN ON SHEETS 34 & 35.
- 5.) WHEN 16" WATERLINE IS TESTED AND APPROVED, OPEN ALL EXIST. VALVES THAT WERE PREVIOUSLY CLOSED, EXCEPT VALVE 1151 WHICH IS TO BE REMOVED & PROPERLY DISPOSED.



- 1.) VALVE 010 (24" BUTTERFLY VALVE SOUTH OF SPAIN RD. ON NOREEN DR.) SHALL BE CLOSED.
- 2.) VALVE 923 (8" GATE VALVE) SHALL BE CLOSED
- 3.) VALVE 1032 (10" GATE VALVE) SHALL BE CLOSED.
- 4.) VALVE 1033 (24" BUTTERFLY VALVE) SHALL BE CLOSED.
- 5.) RELOCATE 24 INCH WATERLINE AS SHOWN ON SHEET 6.
- 6.) WHEN 24" WATERLINE IS TESTED AND APPROVED, OPEN ALL EXIST. VALVES THAT WERE PREVIOUSLY CLOSED.

- 1.) EXCAVATE ALL PIPING AND HAVE MATERIALS ON-SITE PRIOR TO SHUT-OFF. VERIFY ALL PIPE SIZES AND ELEVATIONS PRIOR TO MATERIAL PROCUREMENT.
- 2.) WHERE RESTRAINED JOINTS ARE REQUIRED AND/OR INDICATED, SET SCREW RETAINER. GLANDS SHALL NOT BE PREMITTED. JOINTS RESTRAINT METHOD SHALL BE APPROVED BY THE RESIDENT ENGINEER.
- 3.) WATER SHUT-OFFS SHALL ONLY OCCUR FROM OCT. 1 TO APRIL 1, FOR A MAXIMUM OF 48 HOURS. SHUT-OFFS SHALL BE COORDINATED AS GIVEN IN THE DESCRIPTION BELOW.
- 4.) SHUT-OFF OF SERVICES WILL FOLLOW THE PLANS AS DESCRIBED ON THIS SHEET. VALVES WILL BE OPERATED ONLY BY QUALIFIED CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION PERSONNEL.
- 5.) FLUSHING & DISINFECTING OF NEW WATERLINES SHALL BE PER STANDARD SPECIFICATION, SEC. 801.17.

RECORD DRAWING



- NOTE:
1. SILT FENCE SHALL BE MIRIFI, INC. ENVIROFENCE OR APPROVED EQUAL.
 2. DECOMPOSED GRANITE PATH SHALL HAVE A MAXIMUM SLOPE OF 5%.
 3. CONTRACTOR SHALL COORDINATE ALL WORK WITHIN EL 050 GRANDE PARK WITH THE CITY OF ALBUQUERQUE PARK MANAGEMENT DIVISION (857-8650).

CONTRACTOR SHALL PROVIDE CONTINUOUS SILT FENCE TO CONTROL RUNOFF, SEDIMENTATION & TO PROTECT EXIST. TREES, SHRUBS & VEGETATION NOT DISTURBED BY INSTALLATION OF 48" WATERLINE. THE RESIDENT ENGINEER SHALL ESTABLISH LINE PRIOR TO CONSTRUCTION.

ACTUAL SILT FENCE LOCATION

REST AREA - SEE LANDSCAPE PLANS FOR DETAILS.

CENTER OF TANK FINISHED GRADE ELEV. 5716.00

PROPOSED 6 MG WATER TANK

EXIST. 12' BIKEPATH

N 1,505,247.27
E 420,110.10
EL. 5703.5

MATCH EXIST. PATH SAWCUT REQ'D

DRAINAGE STRUCTURE
60.4 L.F. CLASS III 18" RCP W/
FLARED END SECTION @ 8.26%
N 1,505,188.66
E 420,095.31
EL. 5699.0

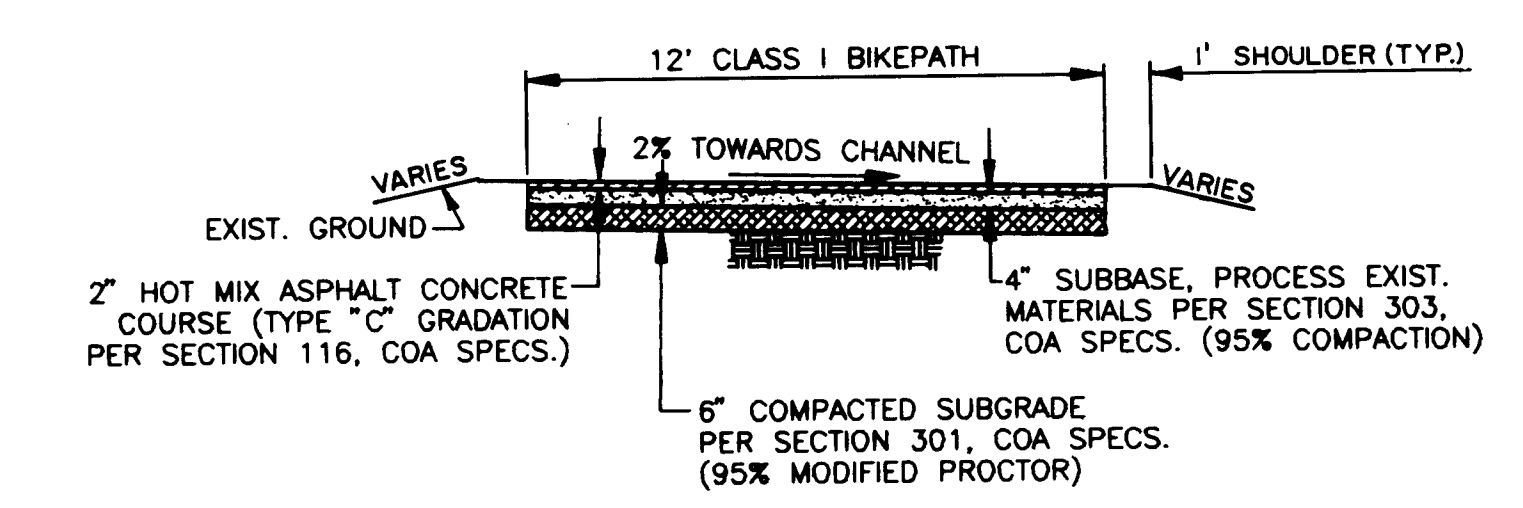
CONTRACTOR SHALL REMOVE & PROPERLY DISCARD EXIST. DRAINAGE OUTFALL.

PROPOSED 12' BIKEPATH

BEAR ARROYO DRAINAGE CHANNEL

MATCH EXIST. PATH SAWCUT REQ'D

EXIST. 12' BIKEPATH



12' BIKEPATH CROSS SECTION 2
SCALE: 1/4" = 1'-0"

12' BIKEPATH CENTERLINE COORDINATES

POINT NUMBER	NORTHING	EASTING
P1	1,505,043.31	419,487.97
P2	1,505,079.00	419,617.00
P3	1,505,140.00	419,732.00
P4	1,505,170.54	419,893.66
P5	1,505,187.16	420,013.33
P6	1,505,235.33	420,133.20

12' BIKEPATH CENTERLINE CURVE INFORMATION

CURVE NUMBER	DELTA	RADIUS	ARC LENGTH
C1	25°47'10"	300.00'	135.02'
C2	33°33'06"	285.00'	166.89'
C3	27°58'04"	250.00'	122.03'

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4478 900594

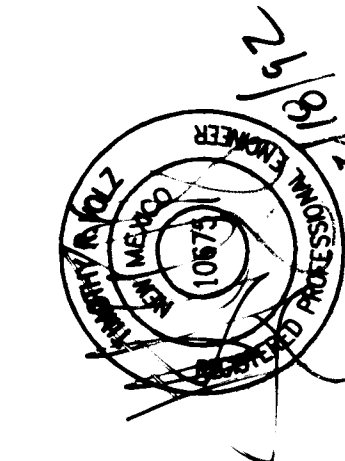
RECORD DRAWING

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CONSULTANTS, INC.

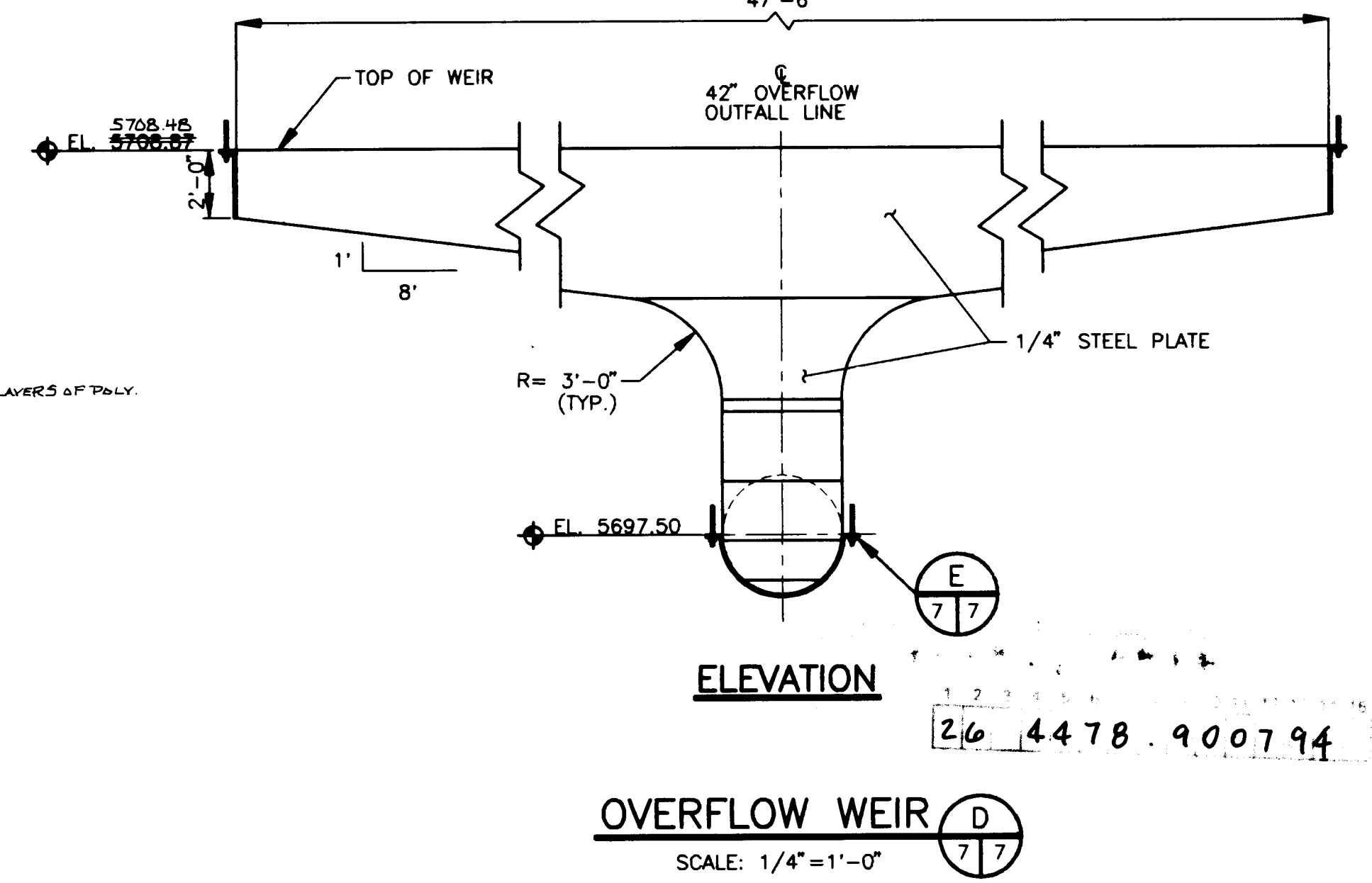
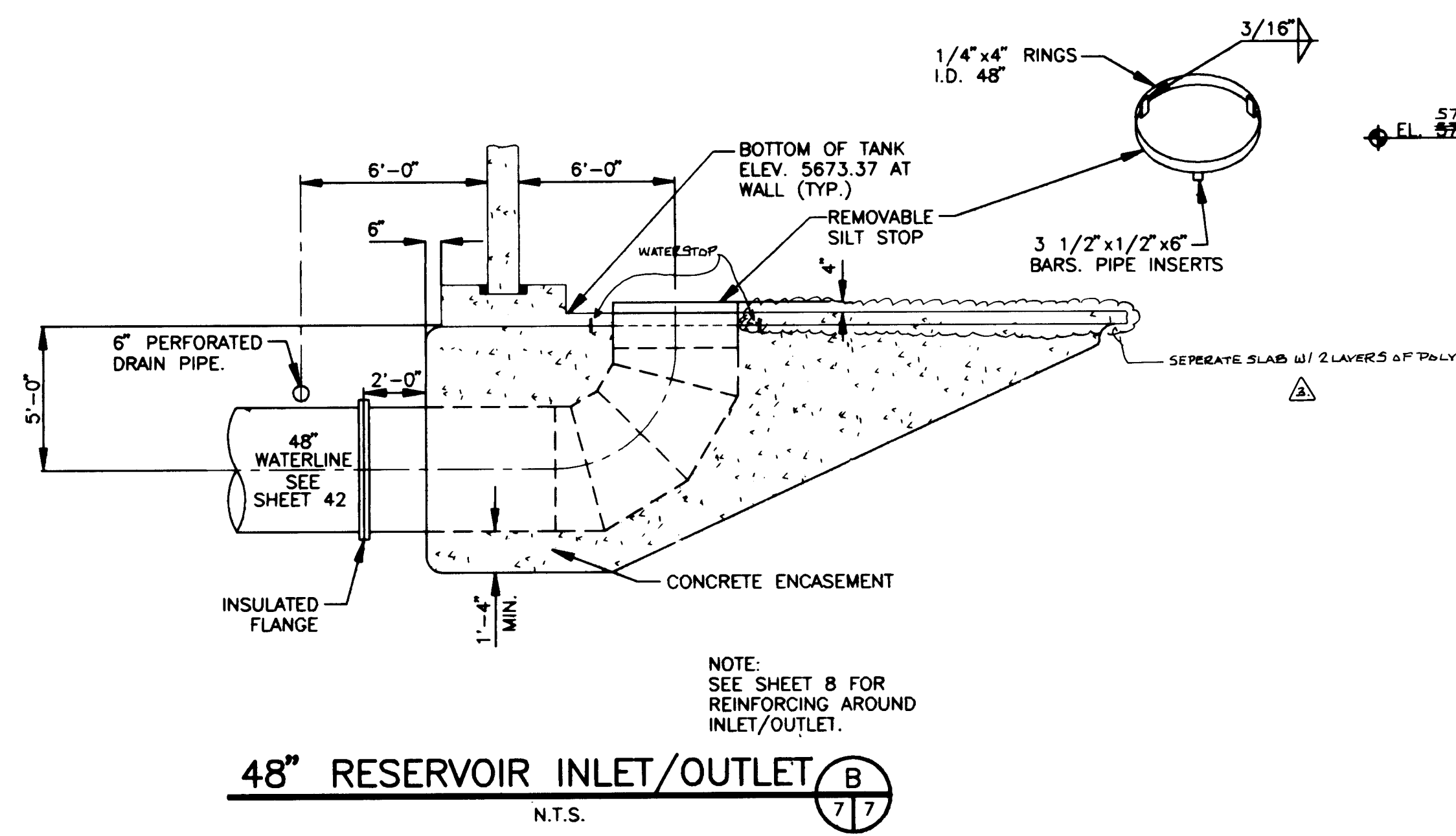
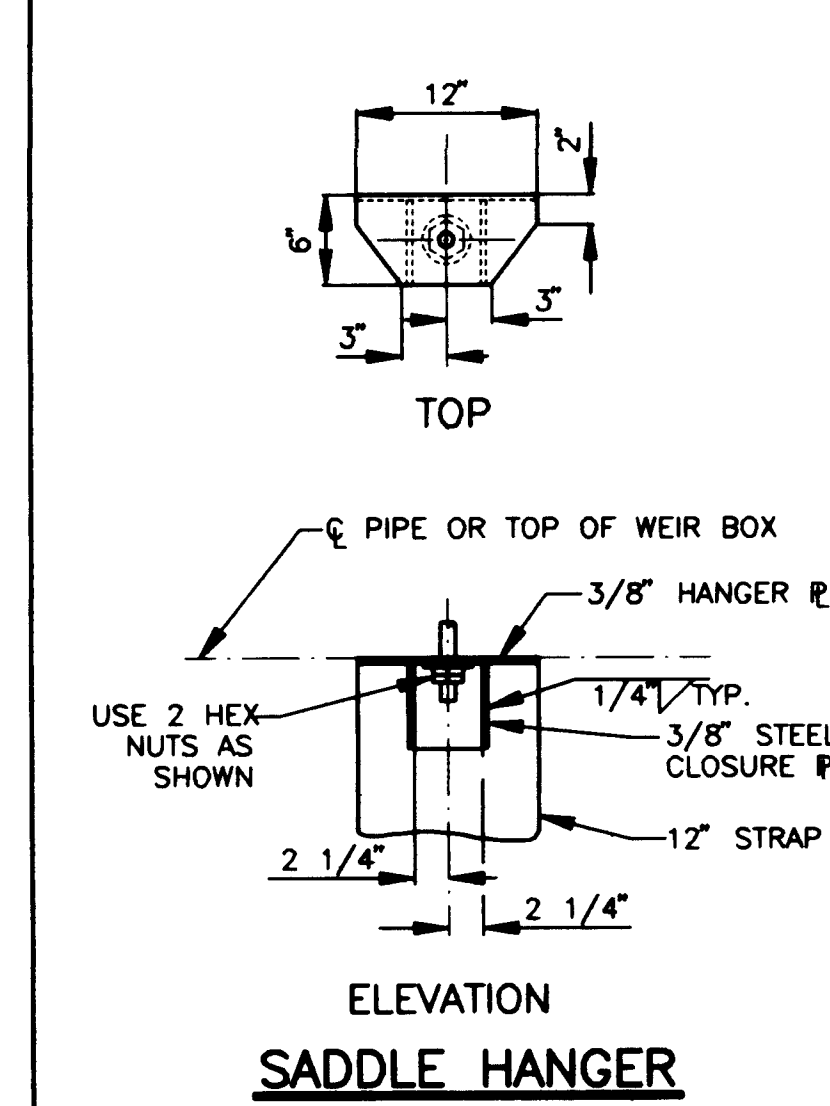
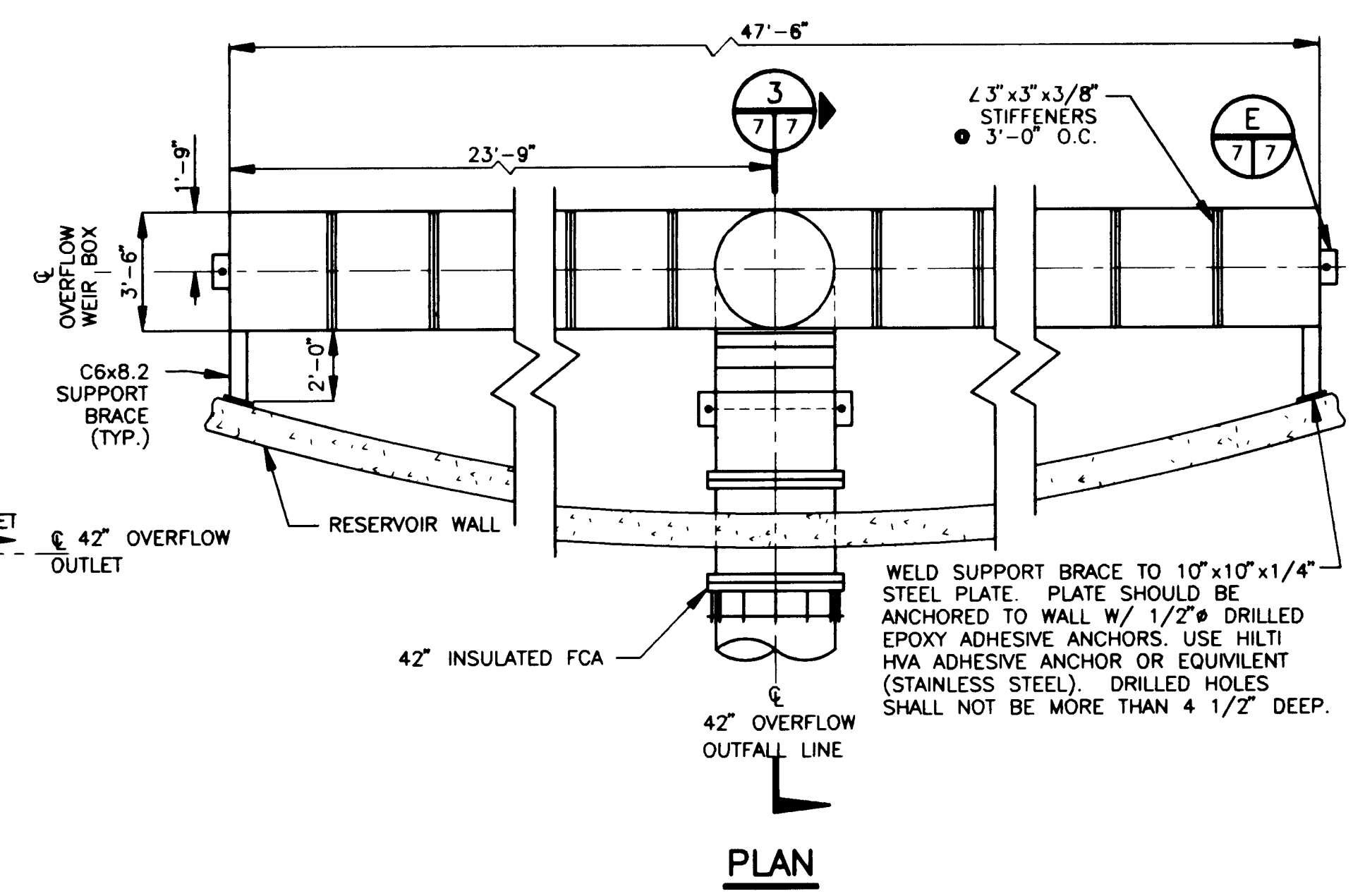
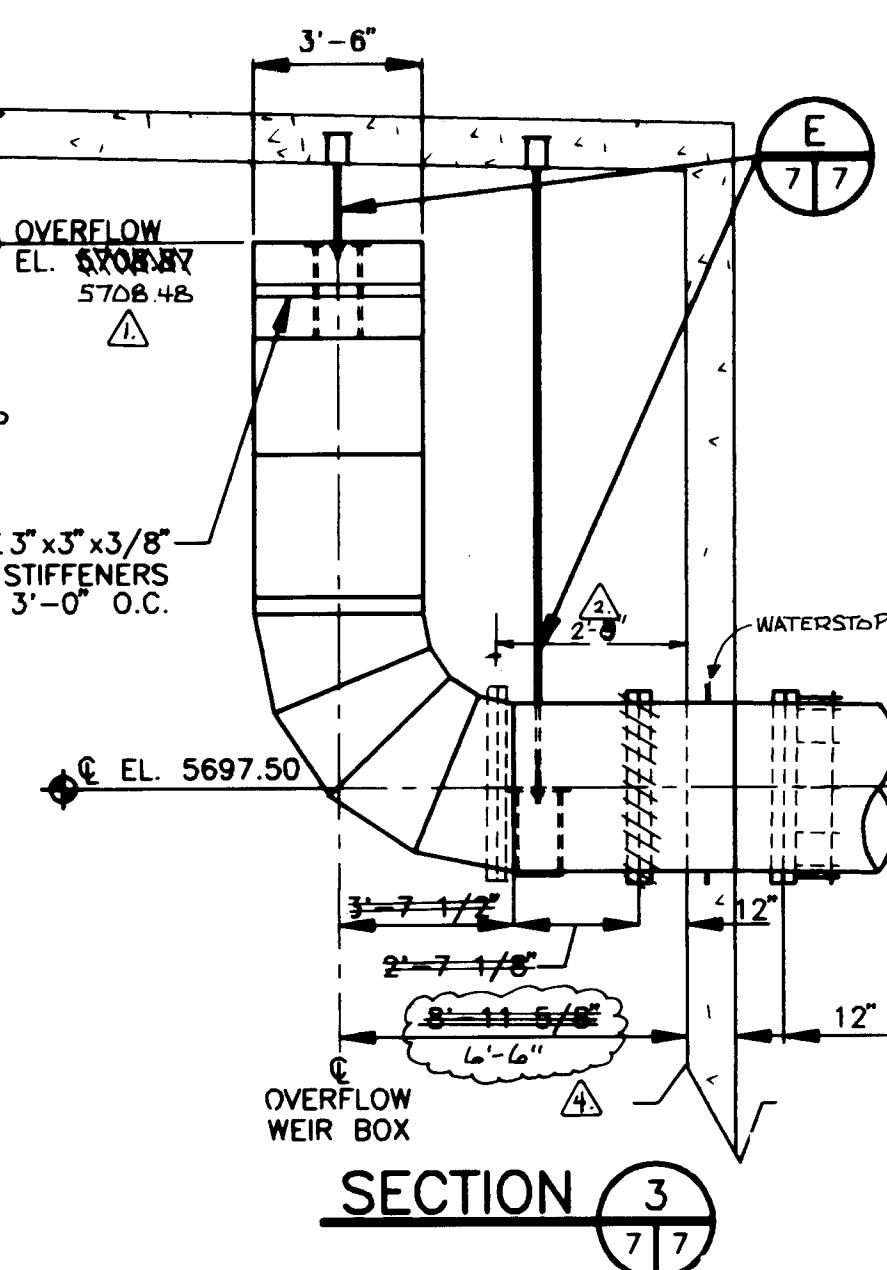
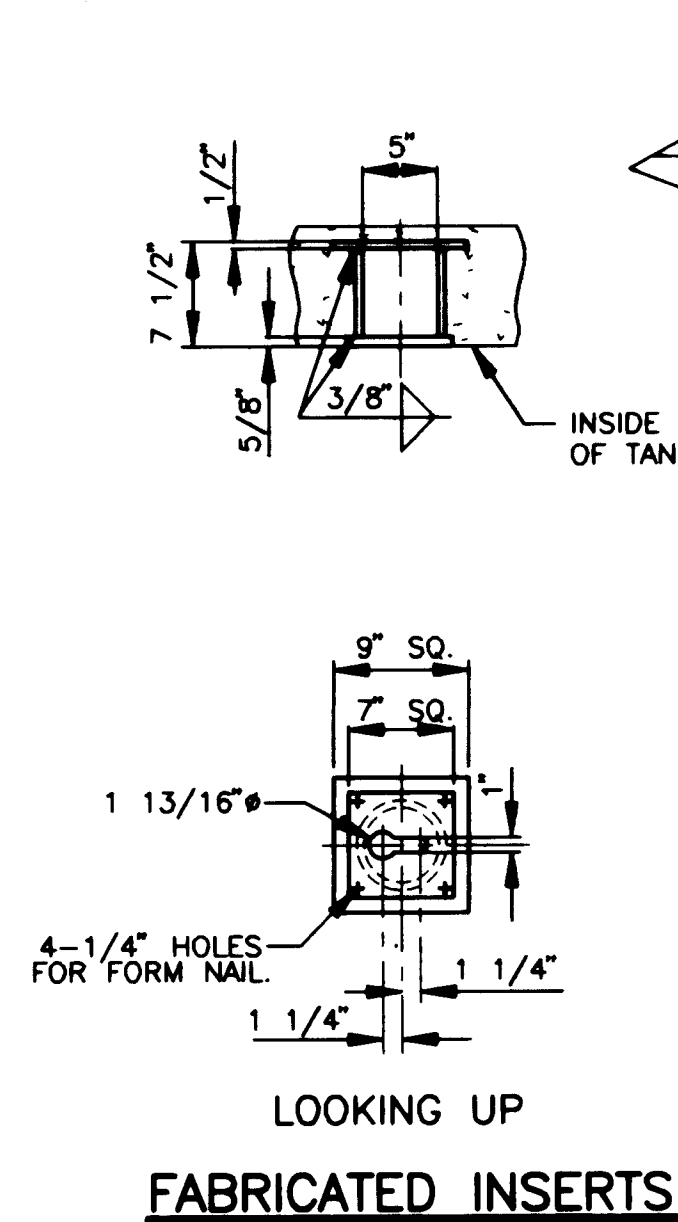
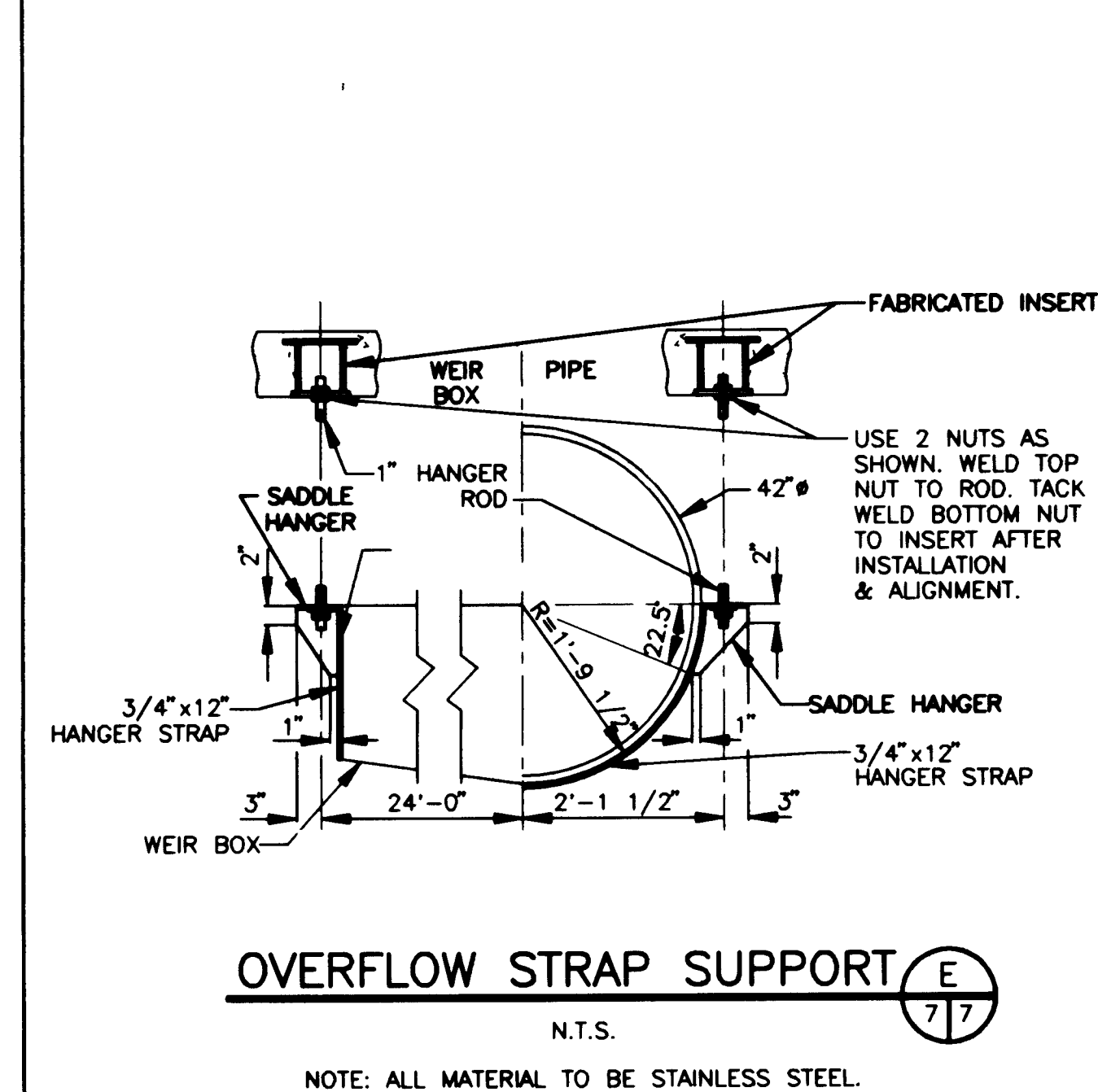
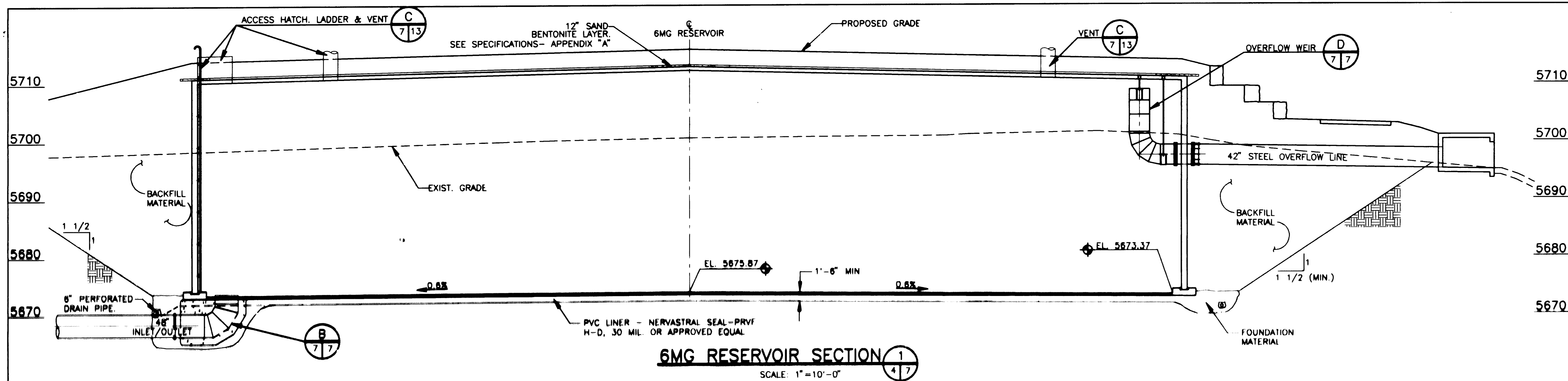
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: GRADING PLAN PONDEROSA RESERVOIR NO. 2					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12/22/92			
DESIGNED BY	BAR/TRV	DATE 12-92			
DRAWN BY	BLS	DATE 12-92			
CHECKED BY	CWB/TRV	DATE 12-92			
COA PROJECT NO. 4478.90		MAP NO. F-21	SHEET 5 OF 51		

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	PRCT. I.C.	THE BENCHMARK IS A STANDARD ACS BRASS	FIELD NOTES	NO.	BY
WORKED BY	C.O.A.	TABLET STAMPED "10-G21" SET FLUSH			
INSPECTOR'S		WITH THE CURB. THE BENCHMARK IS			
ACCEPTANCE BY	G.M.H.	LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN			
DATE	DATE	ALBUQUERQUE, AT THE INTERSECTION OF			
DATE	DATE	MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E.			
DATE	DATE	ELEVATION = 5636.111			
DATE	DATE				



ENGINEER'S SEAL		REVISIONS	
NO.	DATE	REMARKS	BY
		DESIGN	

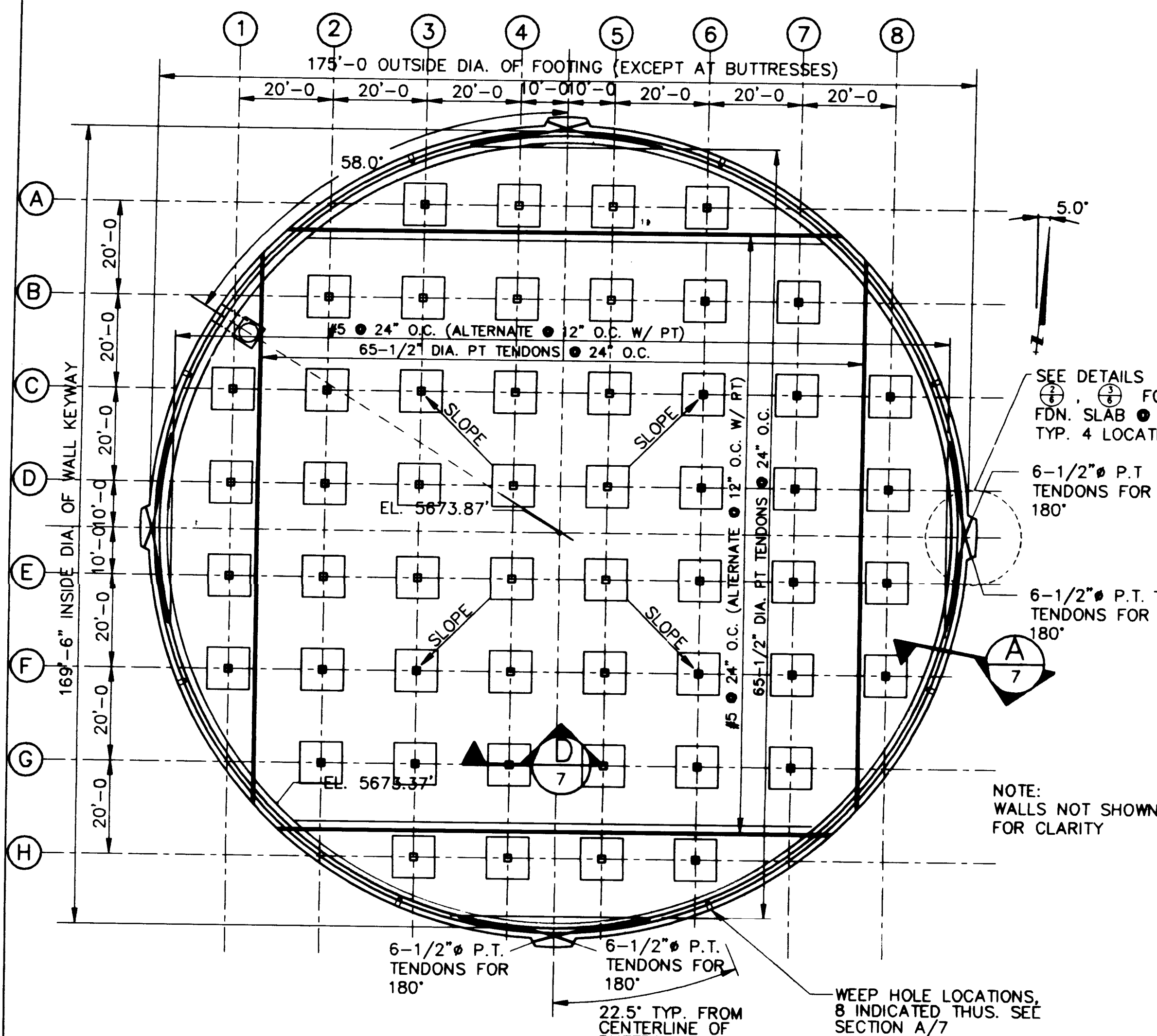


RECORD DRAWING

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CONSULTANTS, INC.

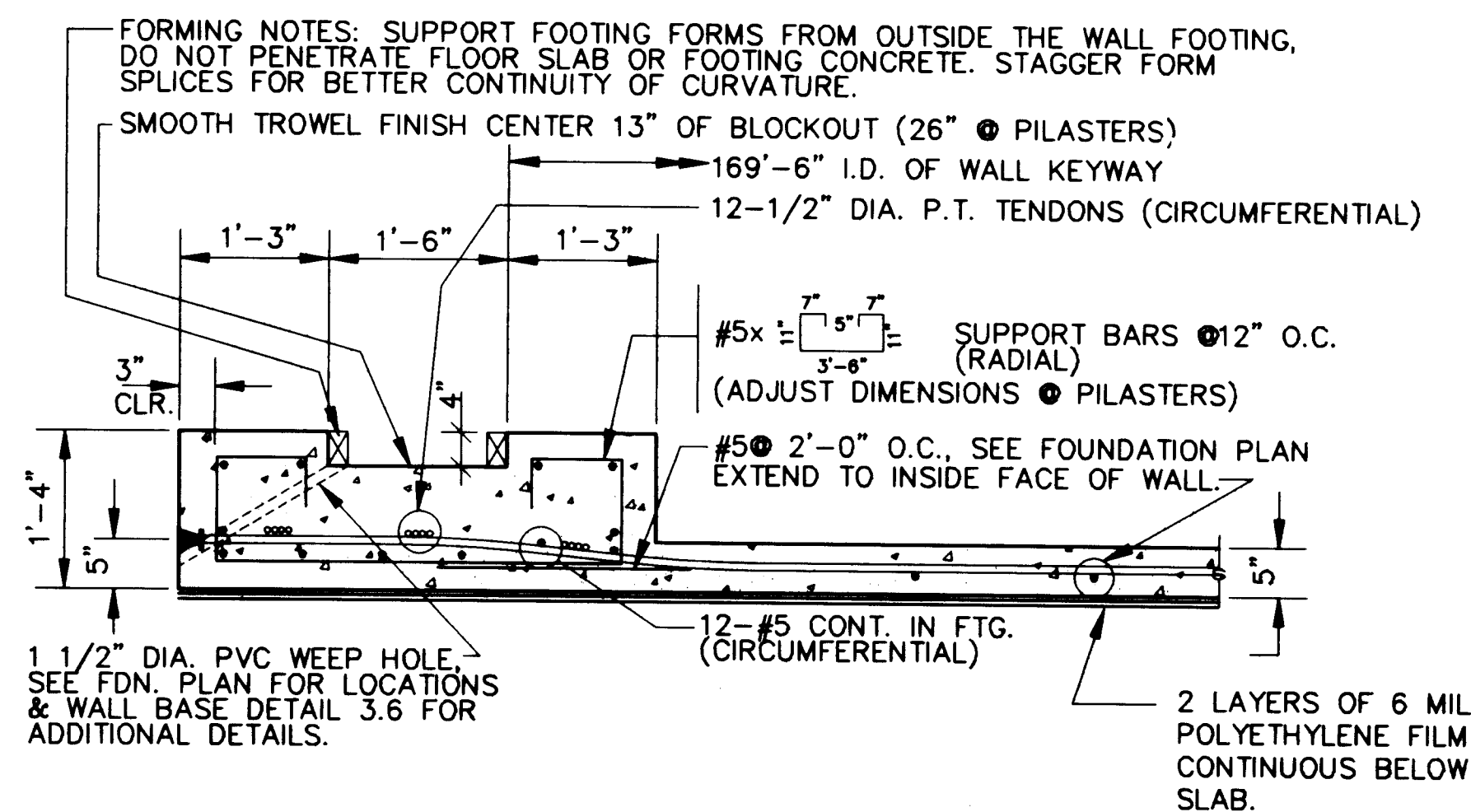
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: 42" OVERFLOW & INLET/OUTLET DETAILS PONDEROSA RESERVOIR NO. 2					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B. J. [Signature]	12-22-92	WATER	William Baker	12-22-92
TRANSPORTATION	D. E. [Signature]	12-22-92	WASTEWATER	William Baker	12-22-92
HYDROLOGY	[Signature]	12/24/92			
COA PROJECT NO.	4478.90	MAP NO.	N/A	SHEET	7 OF 51

SCANNED BY
BYLASON

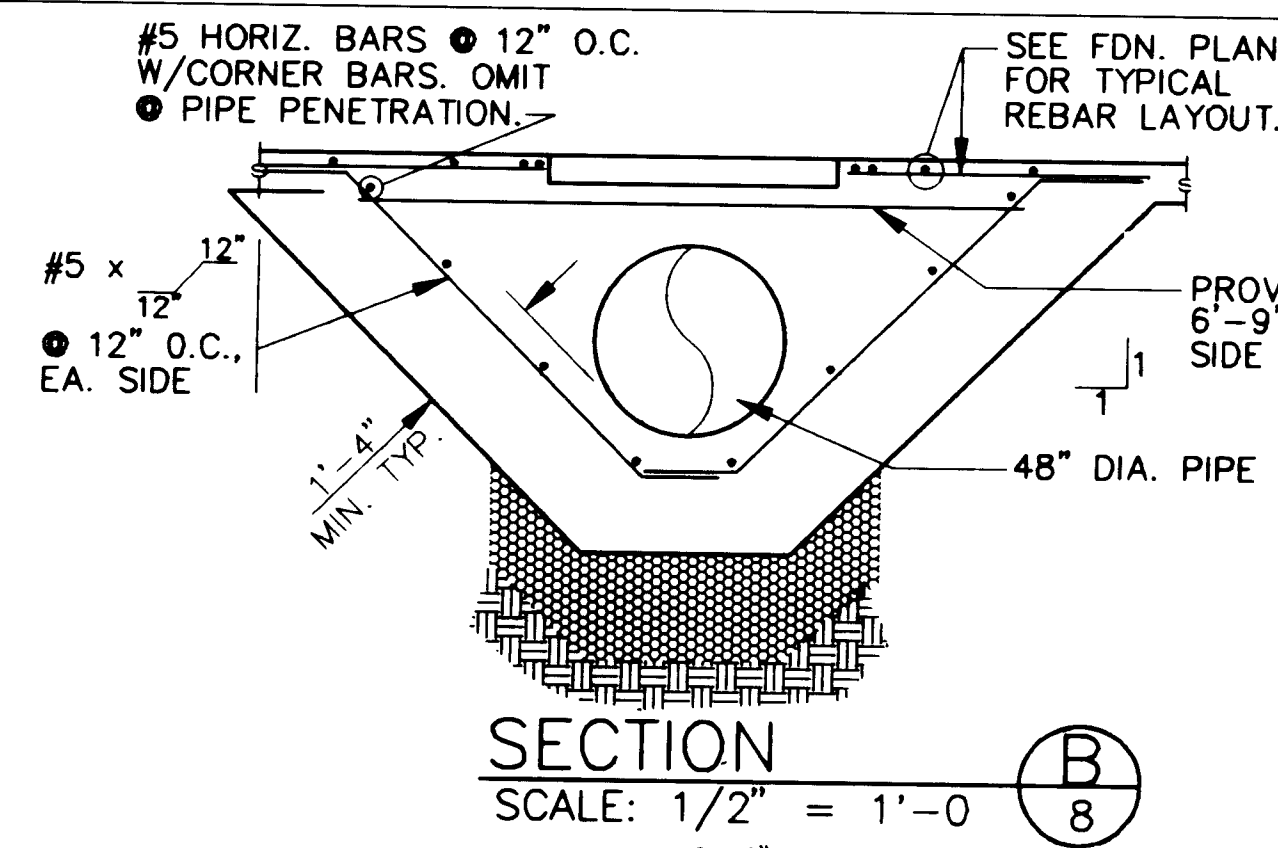


FOUNDATION PLAN
SCALE: 1" = 20'-0"

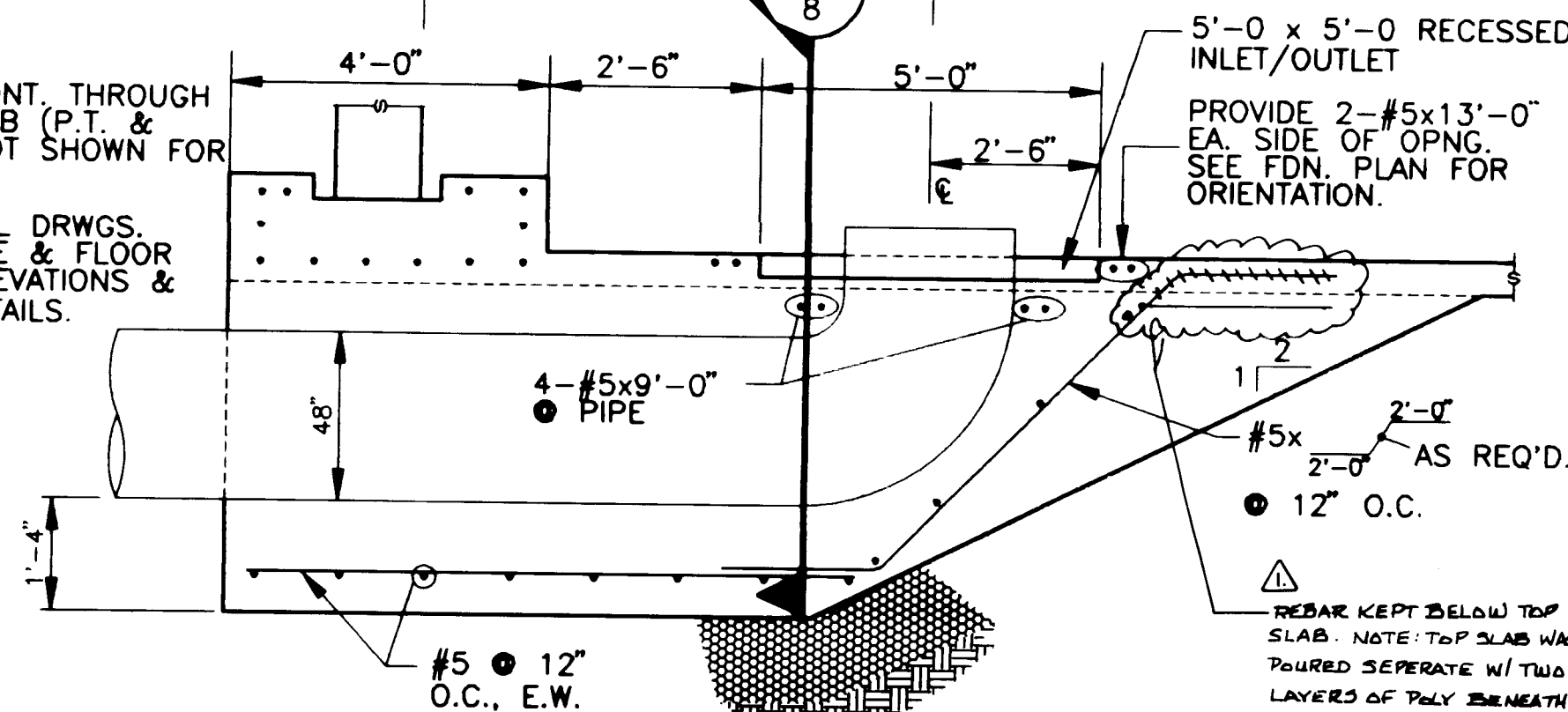
- FOUNDATION PLAN NOTES:**
1. DENOTES REINFORCING BARS AS SHOWN ON PLAN.
 2. DENOTES 1/2" DIA. PT. TENDONS. EFF. FORCE SHOWN THUS: 53.2 K
 3. USE NEAREST STANDARD 90°, 60°, & 45° POCKET FORMERS TO KEEP TENDON ALIGNMENT AS STRAIGHT AS POSSIBLE AT STRESSING ENDS (TYP.).
 4. USE 2" CONC. BLOCKS OR EQUIVALENT, REVIEWED BY THE ENGINEER, AT 2'-0" x 4'-0" SPACING TO SUPPORT THE FLOOR SLAB REINFORCEMENT. THE LOWER LAYER OF POST-TENSIONING SHALL BE DIRECTLY SUPPORTED AT EVERY OTHER CROSSING WITH THE PERPENDICULAR REBAR.
 5. DEFLECT TENDONS AT ENDS, IF REQUIRED, TO AVOID OVERLAPPING ANCHORAGES.
 6. ALL TENDONS SHALL BE TWO-END STRESSED.
 7. SEE CIVIL DRAWINGS FOR PIPE LOCATIONS & DETAILS, & FLOOR SLAB ELEV.



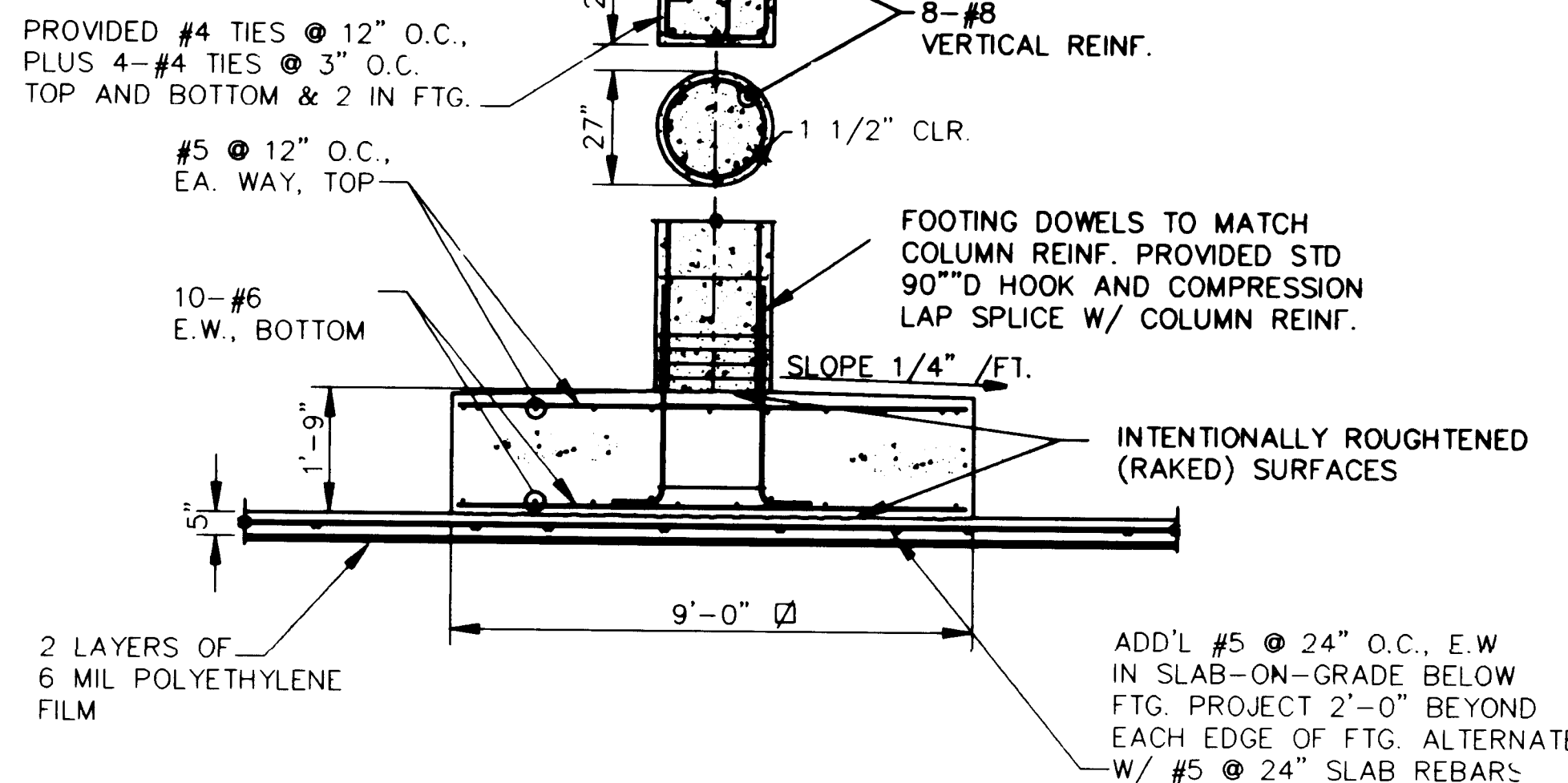
SECTION A-A
SCALE: 3/4" = 1'-0"



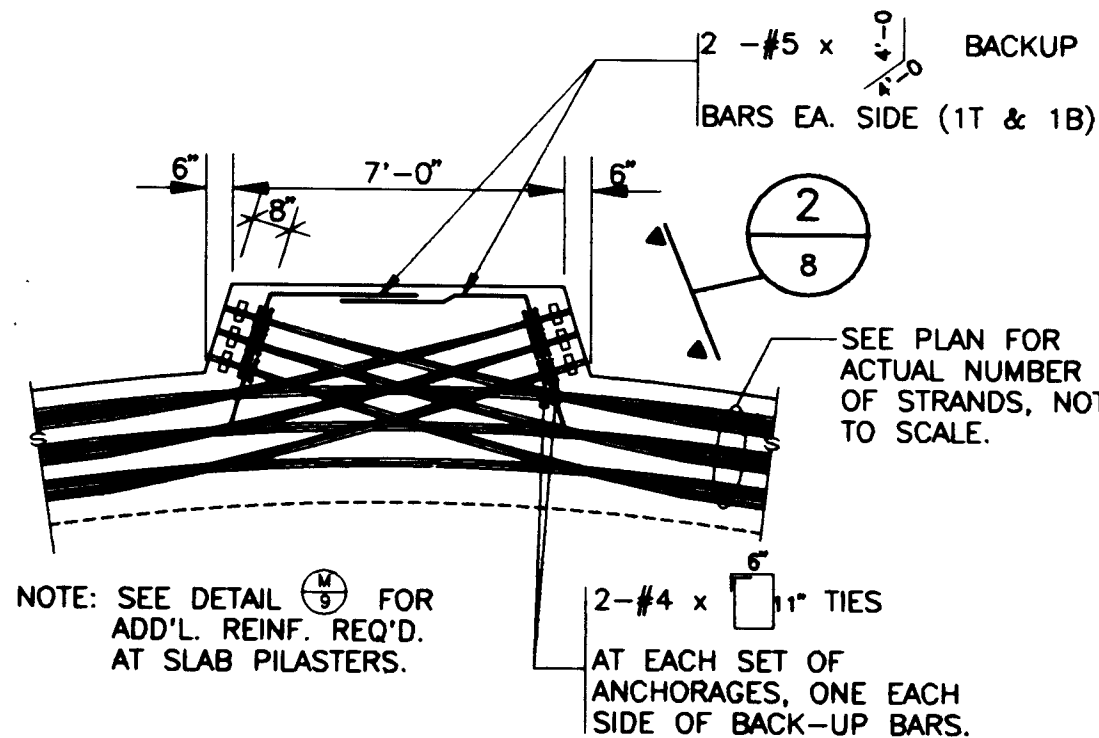
SECTION B-B
SCALE: 1/2" = 1'-0"



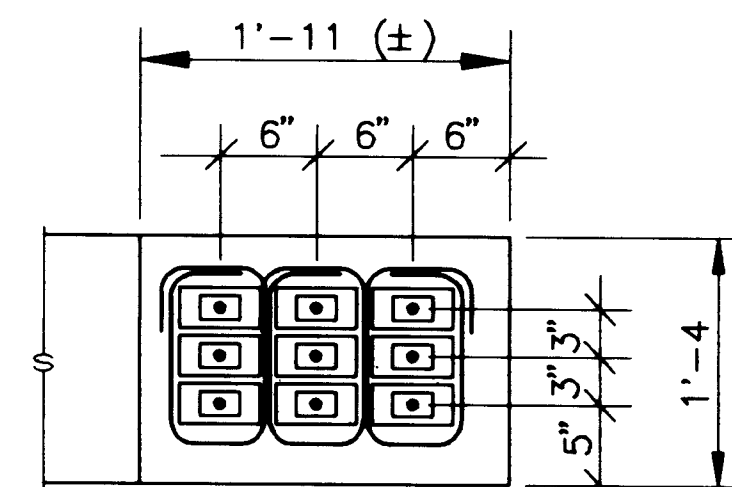
SECTION C-C
SCALE: 1/2" = 1'-0"



SECTION D-D
SCALE: 3/8" = 1'-0"



DETAIL 1
NO SCALE



DETAIL 2
NO SCALE

GENERAL STRUCTURAL NOTES

DESIGN CRITERIA:
ROOF LIVE LOAD - UNIFORM BACKFILL OF 3'-0" (375 PSF) PLUS 250 PSF (H-20) LOAD.
INTERNAL FLUID PRESSURE - 62.5 PCF TO 35'-6" ABOVE THE BOTTOM SLAB
LATERAL BACKFILL PRESSURE - 50 PCF EQUIV. FLUID
SEISMIC ZONE 2B

FOUNDATION, EXCAVATION AND BACKFILL:
FOUNDATION DESIGN BASED ON ALLOWABLE FOOTING PRESSURE OF 3,000 PSF FOR LONG TERM LOADS AND 4,000 PSF FOR SHORT TERM LOADS.
CONTRACTOR SHALL REVIEW THE SOILS REPORT WHICH IS AVAILABLE IN ENGINEER'S OFFICE.
A QUALIFIED SOILS ENGINEER SHALL INSPECT THE OPEN EXCAVATION TO VERIFY THE FOUNDATION BEARING MATERIAL AND THE PLACEMENT OF THE SUBGRADE MATERIALS.
BACKFILL MATERIAL AND PLACEMENT AGAINST THE TANK WALL SHALL BE CONSISTENT WITH THE DESIGN CRITERIA AND APPROVED BY A QUALIFIED SOILS ENGINEER. SEE SPECIFICATIONS AND SOILS REPORT FOR BACKFILLING RESTRICTIONS.

CONCRETE:
MIX DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI CODES AND REPORTS 318, 301 AND 344 EXCEPT AS NOTED IN THE SPECIFICATIONS.
ALL CONCRETE TEST CYLINDERS SHALL BE REFERRED TO PROPERLY MARKED LOCATIONS.
ALL CONCRETE EDGES SHALL HAVE 3/4" CHAMFER UNLESS OTHERWISE NOTED.

REINFORCEMENT:
DESIGN, DETAILING, FABRICATION AND PLACEMENT SHALL BE IN ACCORDANCE WITH THE ACI CODES AND MANUALS (318 AND 315) AND THE SPECIFICATIONS.
STEEL REINFORCEMENT SHALL BE NEW, DEFORMED BILLET STEEL, MEETING ASTM A 615; FOR BARS #4 AND LARGER, GRADE 60; FOR #3 BARS AND DESIGNATED REINFORCEMENT, GRADE 40. SHOP DRAWINGS SHALL BE MARKED ACCORDINGLY.
GRADE 60 DOWELS SHALL NOT BE BENT AFTER PLACING.
REINFORCEMENT IN ALL WALLS AND SLABS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS PROVIDED BOTH VERTICAL AND HORIZONTAL.
LAP ALL TENSION SPLICES ACCORDING TO ACI 318, CLASS B, AND ALL COMPRESSION SPLICES 30 BAR DIAMETERS, EXCEPT AS NOTED.
PROVIDE MINIMUM 4-#5 TRIM BARS ON ALL SIDES OF OPENINGS (EXCEPT AS NOTED), 2 EACH FACE, EXTEND 2'-6" BEYOND OPENING OR PROVIDE STANDARD 90° HOOK WHERE 2'-6" EXTENSION IS NOT POSSIBLE.
PROVIDE CONCRETE PROTECTION FOR REINFORCEMENT AS FOLLOWS, EXCEPT AS NOTED OTHERWISE ON THE DRAWINGS: 3" FOR NON-PRESTRESSED AND 2" FOR PRESTRESSED CONCRETE IN THE BOTTOM SLAB, 2" FOR BARS LARGER THAN #5 AND 1 1/2" FOR BARS #5 OR SMALLER WHEN CONCRETE IS EXPOSED TO GROUND, WATER OR WEATHER AFTER REMOVAL OF THE FORMS IN NON-PRESTRESSED WALLS, SLABS OR COLUMNS, 1" FOR PRESTRESSED CONCRETE WALLS AND PRESTRESSED TOP SLAB.
WHERE REINFORCEMENT IS NOT SHOWN ON DRAWINGS, THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) SHALL BE REFERRED TO FOR PROPER REINFORCEMENT.
ALL CIRCUMFERENTIAL DIMENSIONS SHOWN FOR REINFORCING BARS, VERTICAL POST-TENSIONING TENDONS, ETC. IN THE CURVED WALLS, ARE AS MEASURED AT THE INSIDE FACE OF THE WALL, EXCEPT AS NOTED. ALL OTHER CIRCUMFERENTIAL DIMENSIONS ARE AS MEASURED AT THEIR WIDEST POINTS (FURTHEST FROM THE TANK CENTERLINE).

POST-TENSIONING:
ALL PRESTRESSING DESIGN, MATERIALS AND CONSTRUCTION SHALL CONFORM TO ACI 318, 301 AND 344 EXCEPT AS NOTED IN THE SPECIFICATIONS.
THE DESIGN IS BASED ON AN EFFECTIVE STRESS, FSE, OF 188 KSI (201 KSI INITIAL LESS 13 KSI LTL) FOR VERTICAL WALL TENDONS AND A MINIMUM AVERAGE BETWEEN TWO ADJACENT TENDONS OF 145 KSI (161 KSI INITIAL LESS 16 KSI LTL) FOR HORIZONTAL WALL TENDONS. THE HORIZONTAL AND VERTICAL WALL TENDON DESIGN WAS BASED ON A CURVATURE COEFFICIENT OF 0.25, A WOBBLF COEFFICIENT, K, OF 0.0002, AND A SEATING LOSS OF 1/4 OF AN INCH. IF VALUES RECOMMENDED BY MANUFACTURER WOULD RESULT IN GREATER FRICTION OR SEATING LOSSES, VALUES SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER. THE NUMBER OF TENDONS OR STRANDS PER TENDON MAY HAVE TO BE INCREASED. IF VALUES WOULD RESULT IN LESS FRICTION OR SEATING LOSSES, QUANTITIES INDICATED SHALL NOT BE DECREASED.
UNBONDED BOTTOM AND TOP SLAB TENDON LAYOUT WAS BASED ON A CURVATURE COEFFICIENT OF 0.05, A WOBBLF COEFFICIENT OF 0.0014, A SEATING LOSS OF 1/4 OF AN INCH AND A JACKING STRESS OF 216 KSI (0.8 FPU). VALUES RESULTING IN LESS EFFECTIVE STRESS RECOMMENDED BY THE MANUFACTURER SHALL BE REVIEWED BY THE ENGINEER. ADDITIONAL UNBONDED TENDONS MAY HAVE TO BE ADDED TO THE TOP AND BOTTOM SLABS.

RECORD DRAWING

URS
CONSULTANTS, INC.

JORGENSEN, HENDRICKSON AND CLOSE, INC.
CONSULTING ENGINEERS
134 UNION BOULEVARD SUITE 600
DENVER, CO 80228-1820
PHONE: (303) 888-2000
FAX: (303) 888-2003

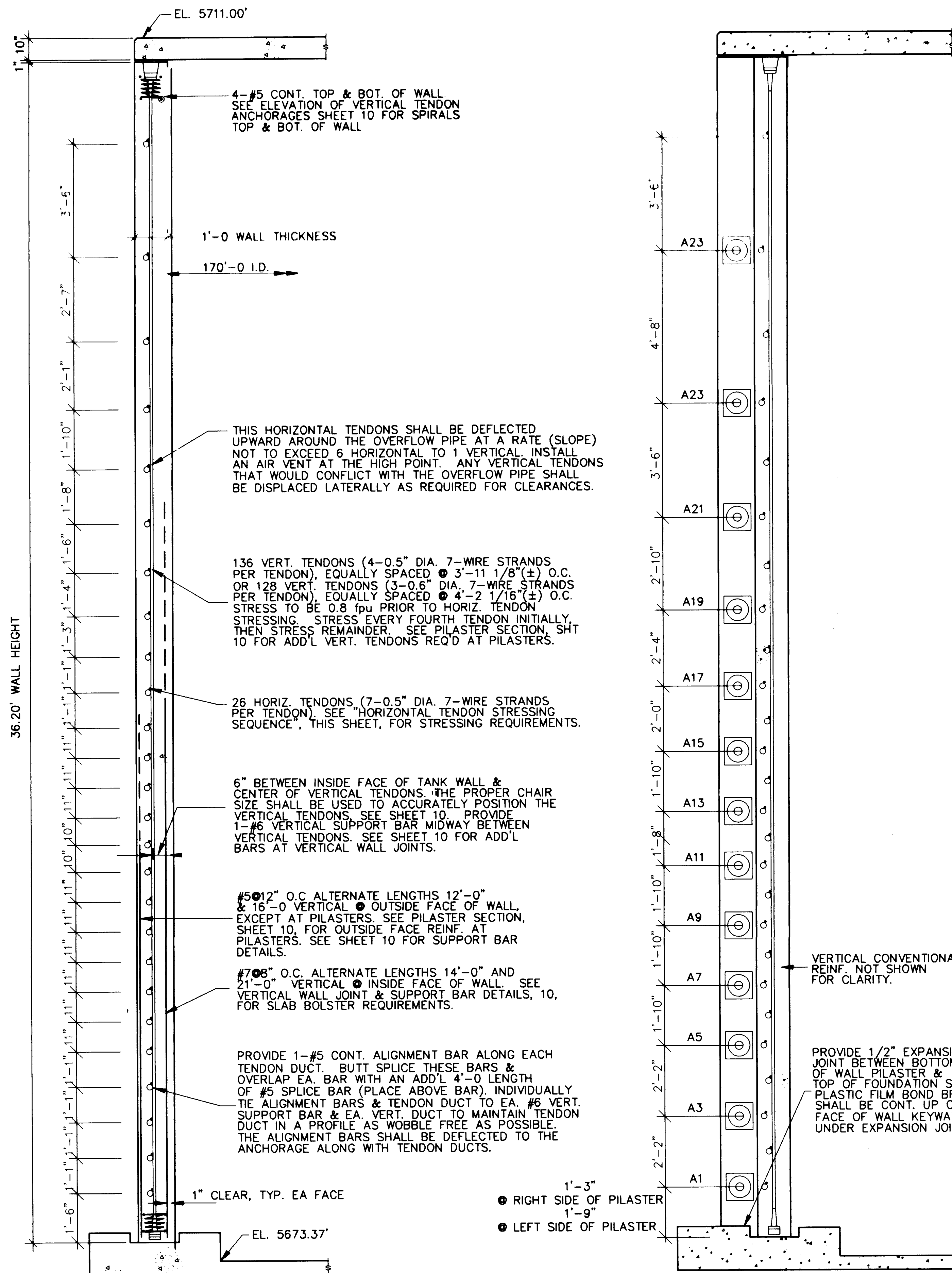
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

FOUNDATION PLAN & DETAILS
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12/22/92			

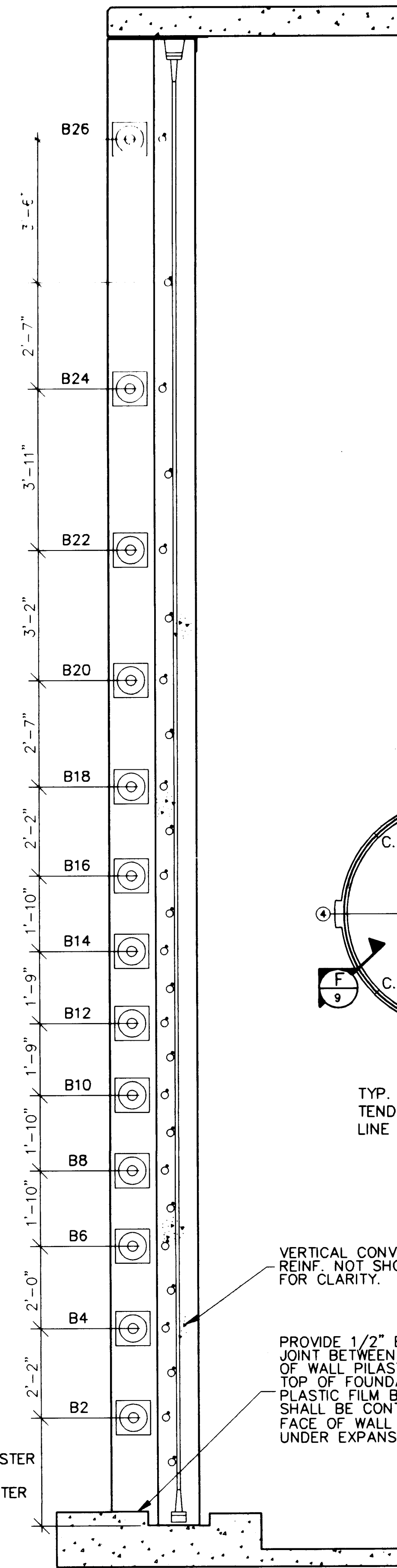
PROJECT NO. 4478.90 MAP NO. N/A SHEET 8 OF 51

SCANNED BY LASON

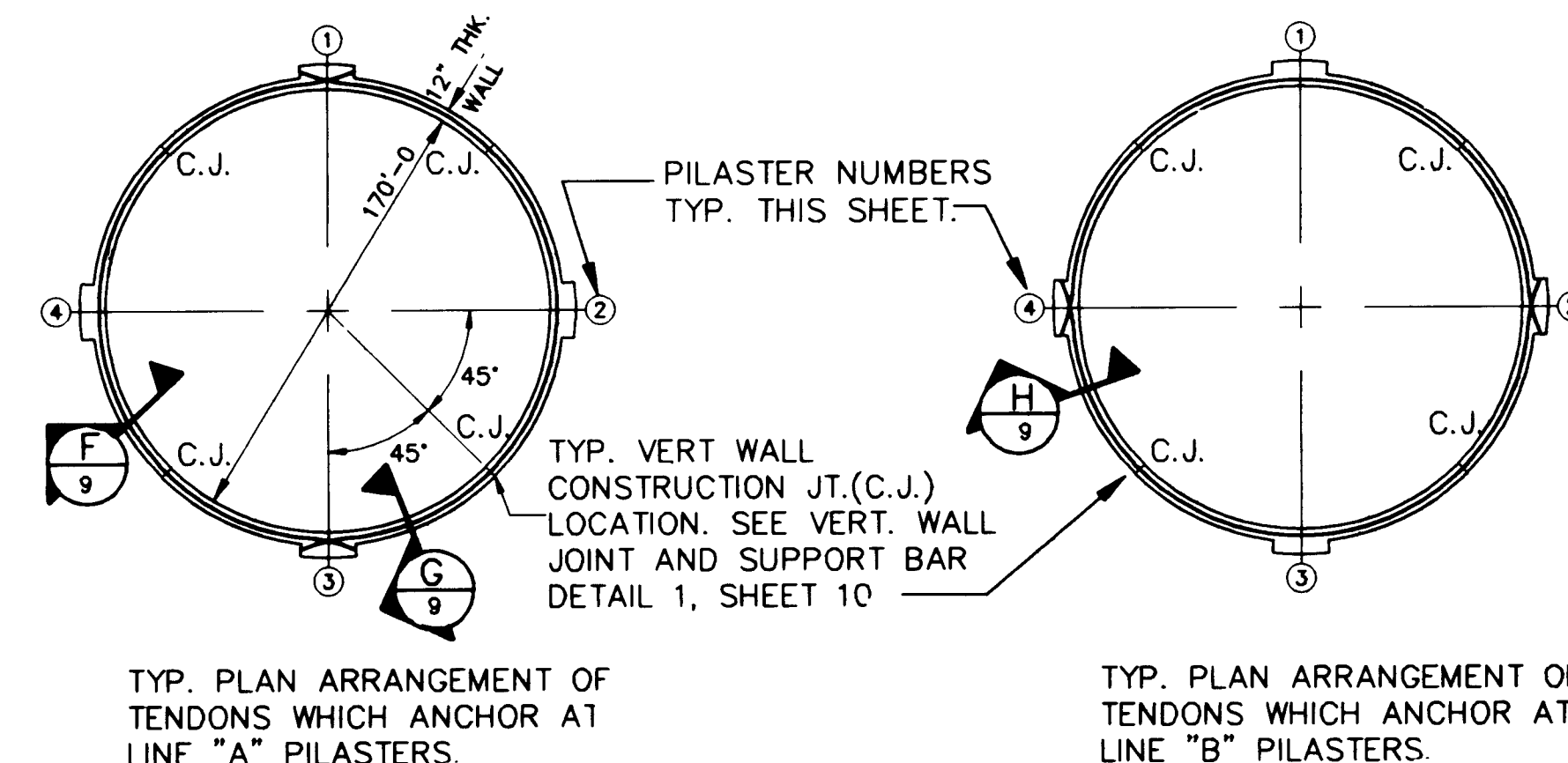


SECTION F
SCALE: 1/2" = 1'-0"

TYP. @ ODD NUMBER PILASTERS G
SCALE: 1/2" = 1'-0"



TYP. @ EVEN NUMBER PILASTERS H
SCALE: 1/2" = 1'-0"



GENERAL ARRANGEMENT PLAN
NO SCALE

26 4478.900994

HORIZONTAL TENDON STRESSING SEQUENCE	
ALL TENDONS SHALL BE STRESSED TO 216 KSI FROM EACH END IN THE FOLLOWING SEQUENCE:	
PILASTER	TENDON STRESSING SEQUENCE
1	A1L A1R A5R A5L A9L A9R A13R A13L A17L A17R A21R A21L A25L A25R } FIRST ENDS
2	B2R B2L B6L B6R B10R B10L B14L B14R B18R B18L B22L B22R B26R B26L } FIRST ENDS
3	A3R A7R A11R A15R A19R A23R A3L A7L A11L A15L A19L A23L A1L A5L A9L A13L A17L A21L A25L A1R A5R A9R A13R A17R A21R A25R } SECOND END
4	B4R B4L B8L B8R B12R B12L B16L B16R B20R B20L B22L B22R B26R B26L B2L B6L B10L B14L B18L B22L B26L B2R B6R B10R B14R B18R B22R B26R } SECOND ENDS
1	A3R A7R A11R A15R A19R A23R A3L A7L A11L A15L A19L A23L } SECOND ENDS
2	B4R B8R B12R B16R B20R B24R B26R B4L B8L B12L B16L B20L B24L B26L } SECOND ENDS

LEGEND:
TENDON LINE 5 L RIGHT (R) OR LEFT (L) SIDE OF PILASTER

RECORD DRAWING

URS
CONSULTANTS, INC.

JORGENSEN, HENDRICKSON AND CLOSE, INC. JH&C
CONSULTING ENGINEERS
134 UNION BOULEVARD SUITE 660 PHONE (303) 733-2000 3020
DENVER, CO 80228-1820 FAX (303) 733-2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **WALL REINFORCING SECTIONS**
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>J. G. Baskley</i>	12-22-92	WATER	<i>William Balch</i>	12-21-92
TRANSPORTATION	<i>M. R. K. C.</i>	12-22-92	WASTEWATER	<i>William Balch</i>	12-22-92
HYDROLOGY	<i>Shirley</i>	12/22/92			

DESIGNED BY S. CLOSE DATE AUGUST 1992
DRAWN BY B. OCHS DATE AUGUST 1992
CHECKED BY S. CLOSE DATE AUGUST 1992

PROJECT NO. **4478.90** MAP NO. **N/A** SHEET **9** OF **51**

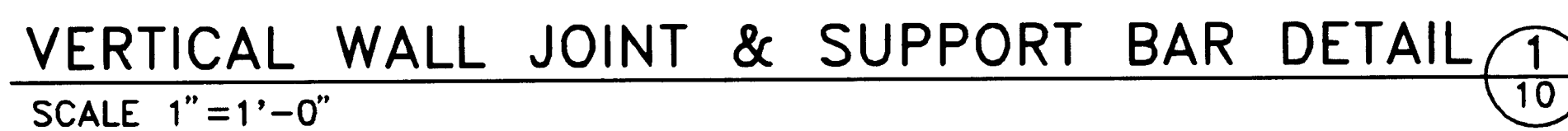
SCANNED BY
BY LASON



1. TRIM POLY FILM AT INSIDE FACE OF WALL.
2. PRIME WALL AND FOOTING. PLACE ADHESIVE WATERSTOP AT JOINT.
3. PLACE NON-SHRINK GROUT TO 1/2" BELOW TOP OF FOOTING AT INSIDE FACE OF WALL AND PLACE SAND-CEMENT GROUT TO 1/2" BELOW TOP OF FOOTING AT OUTSIDE FACE OF WALL. ALLOW 28 DAYS BETWEEN HORIZ. P-T STRESSING AND STEP #3.
4. APPLY SIKAGARD 62 ACROSS GROUT AND TO 3" EACH SIDE OF JOINT.
5. PLACE 1/2" WIDE BOND BREAKER TAPE ON TOP OF SIKAGARD 62, BUTTING UP AGAINST INSIDE FACE OF WALL.
6. PLACE SIKAFLEX 2C-SL (WHITE) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

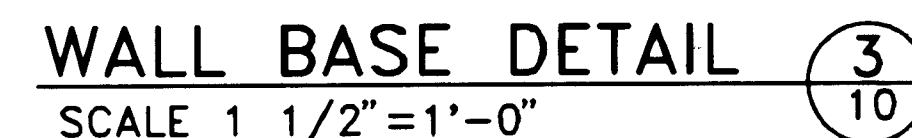


SCALE 1"=1'-0"



NOTE: THE FOLDED POLY MUST BE CLEAN & FREE OF RIPS UPON PLACEMENT OF WALL CONCRETE. DO NOT PLACE POLY UNTIL FORMS ARE READY TO BE SET.

NOTE: TRIM POLY FLUSH W/ FACE OF WALL, EACH SIDE, AFTER WALL FORMS ARE REMOVED AND PRIOR TO PLACING GROUT.

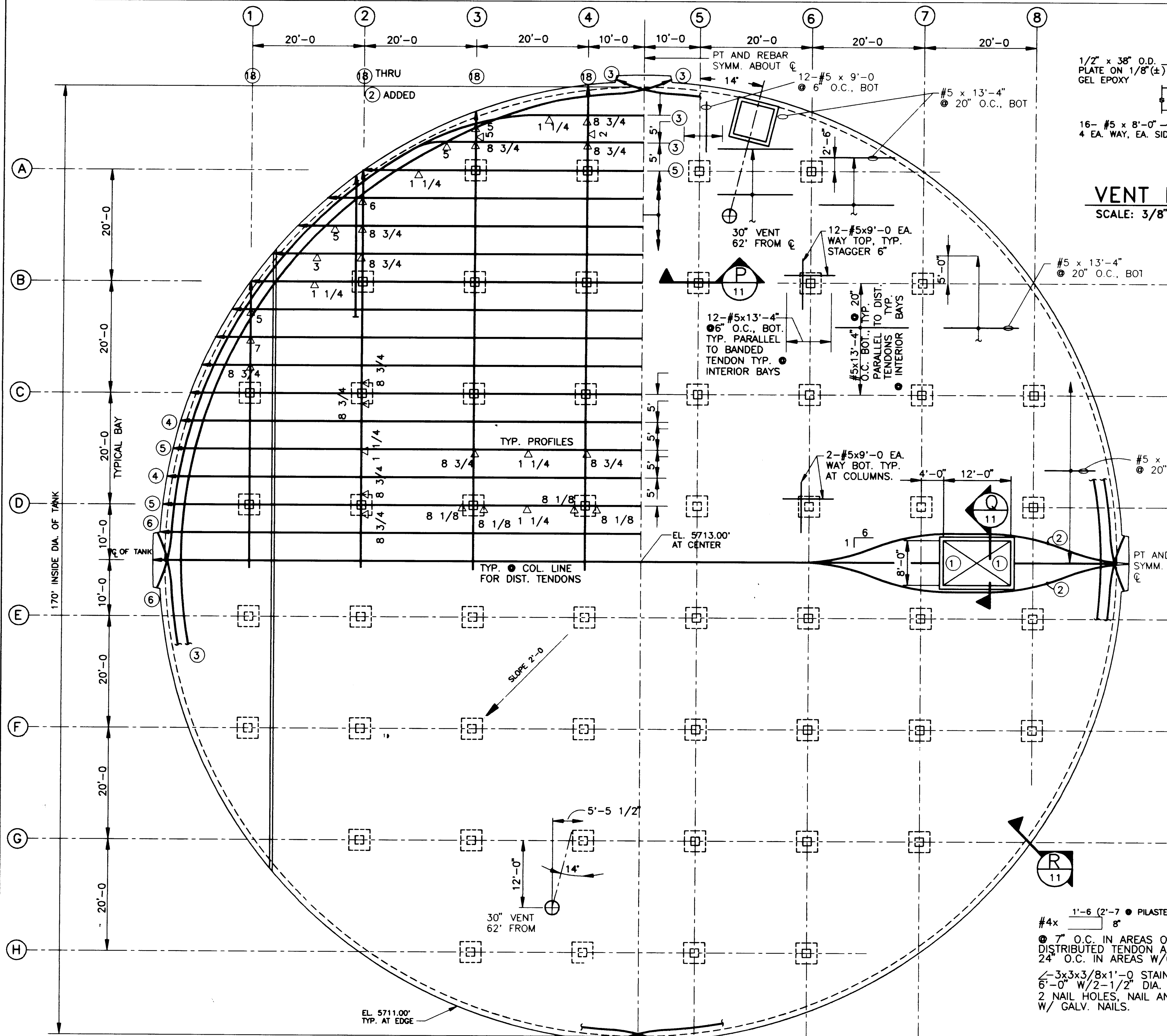


RECORD DRAINAGE

TITLE:					
WALL PRESTRESSING DETAILS PONDEROSA RESERVOIR NO. 2					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>William Baker</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>William Baker</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12/22/92			
PROJECT NO.	4478.90		MAP NO.	N/A	
			SHEET	OF 10 51	

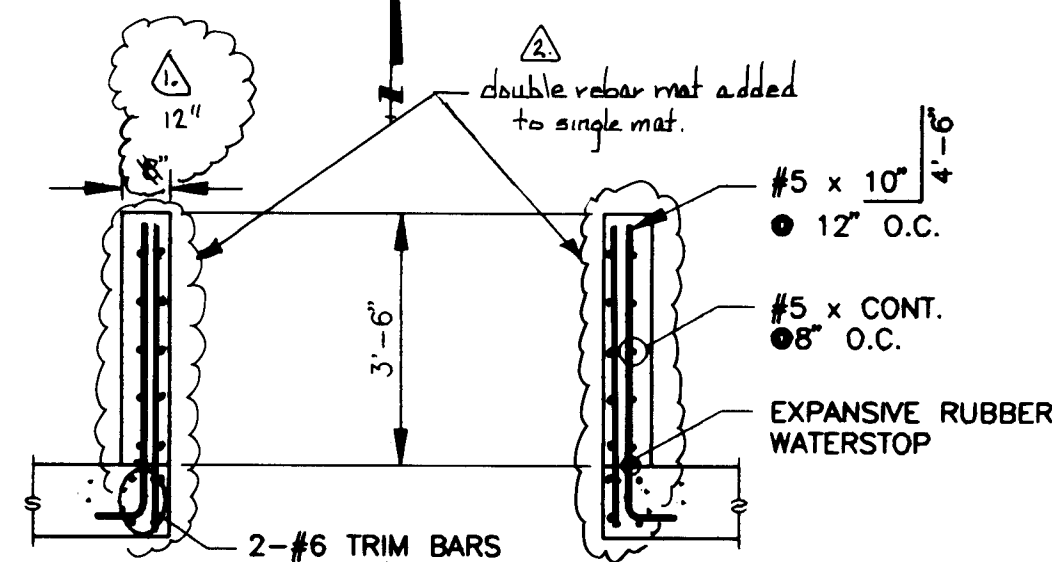
ENGINEERING DETAILS			ENGINEER'S SEAL		FIELD NOTES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
PROJECT NO. 2												
REVISIONS			REMARKS		BY							
NO.			DATE									
DESIGNED BY			S. CLOSE		DATE		AUGUST 1992					
DRAWN BY			B. OCHS		DATE		AUGUST 1992					
CHECKED BY			S. CLOSE		DATE		AUGUST 1992					
CONTRACTOR			WORK STARTED BY		DATE							
FIELD INSPECTION BY			ACCEPTANCE BY		DATE							
DRAWINGS			CORRECTION BY		DATE							
MICRO-FILM INFORMATION			RECORDED BY		DATE							
NO.												

SCANNED BY
BY LASON

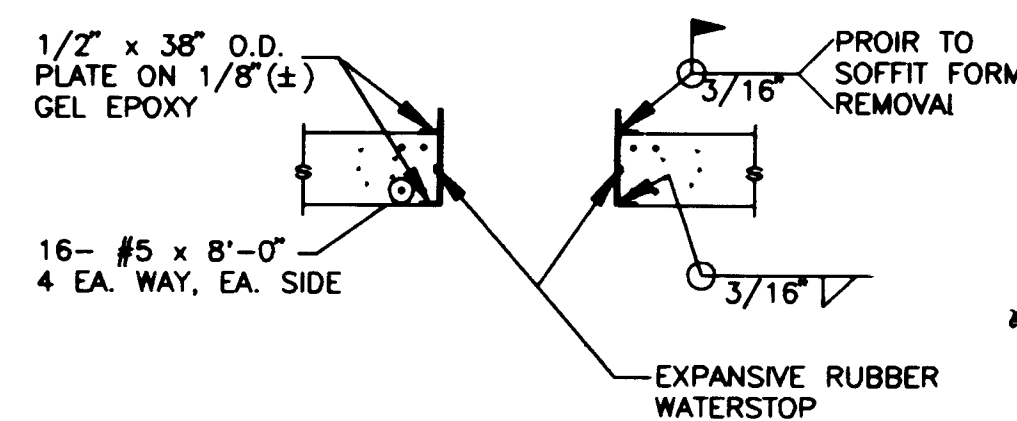


ROOF SLAB PLAN
SCALE: 3/32" = 1'-0"

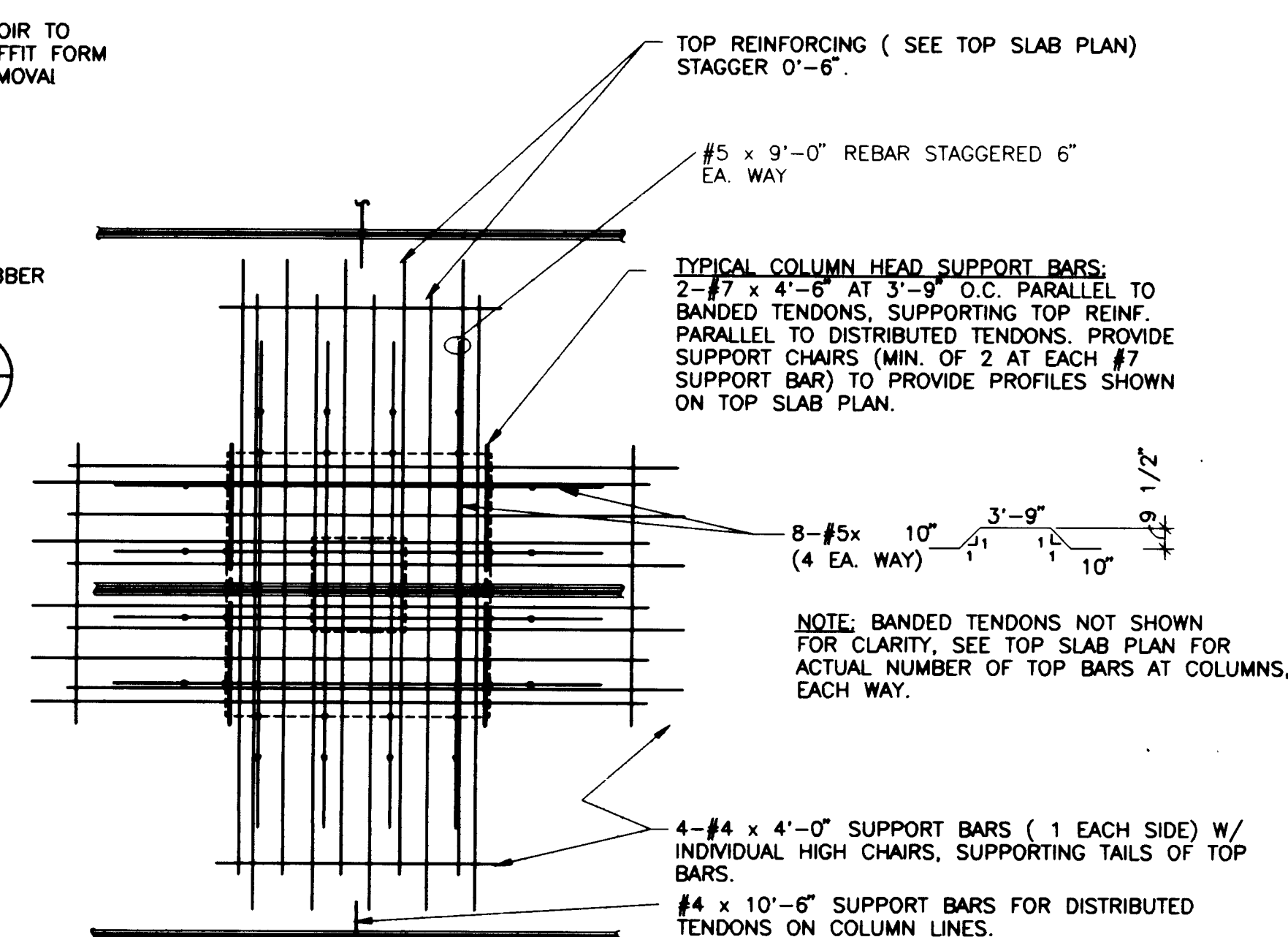
- ROOF SLAB PLAN NOTES:**
1. ——— DENOTES REINFORCING BARS AS SHOWN.
 2. ——— DENOTES 1/2" DIA. POST-TENSIONING TENDONS, NUMBER OF TENDONS SHOWN THUS: (8)
 3. Δ DENOTES DISTANCE FROM BOTTOM OF SLAB TO CENTERLINE OF TENDON (INCHES).
 4. REBAR PLACEMENT SHALL NOT INTERFERE WITH THE REQUIRED TENDON PROFILES. RELOCATE "TOP" OR "BOTTOM" BARS AS LITTLE AS POSSIBLE TO AVOID INTERFERENCE.
 5. PROVIDE ADD'L. SUPPORT BARS FOR POST-TENSIONING. DO NOT USE "DIRECT CHAIRING" METHOD FOR P.T. SUPPORT. MAXIMUM SPACING OF SUPPORTS SHALL BE 4'-0". CHAIRS OVER 2 1/2" IN HEIGHT SHALL BE STAPLED TO THE SOFFIT FORMS WITH GALV. OR STAINLESS STEEL STAPLES. CHAIR EVERY CROSS OF P.T. AND SUPPORT BARS AND TIE SECURELY.
 6. FOR BANDED TENDONS AND FOR DISTRIBUTED TENDONS ALONG COLUMN CENTERLINES, CHAIR HTS. AND/ OR SUPPORT BAR SPACING SHALL BE BASED ON FACE-OF-SUPPORT TO FACE-OF-SUPPORT DISTANCE, NOT CENTERLINE TO CENTERLINE.
 7. ALL ROOF TENDONS SHALL BE TWO-END STRESSED, EXCEPT ADDED TENDONS.



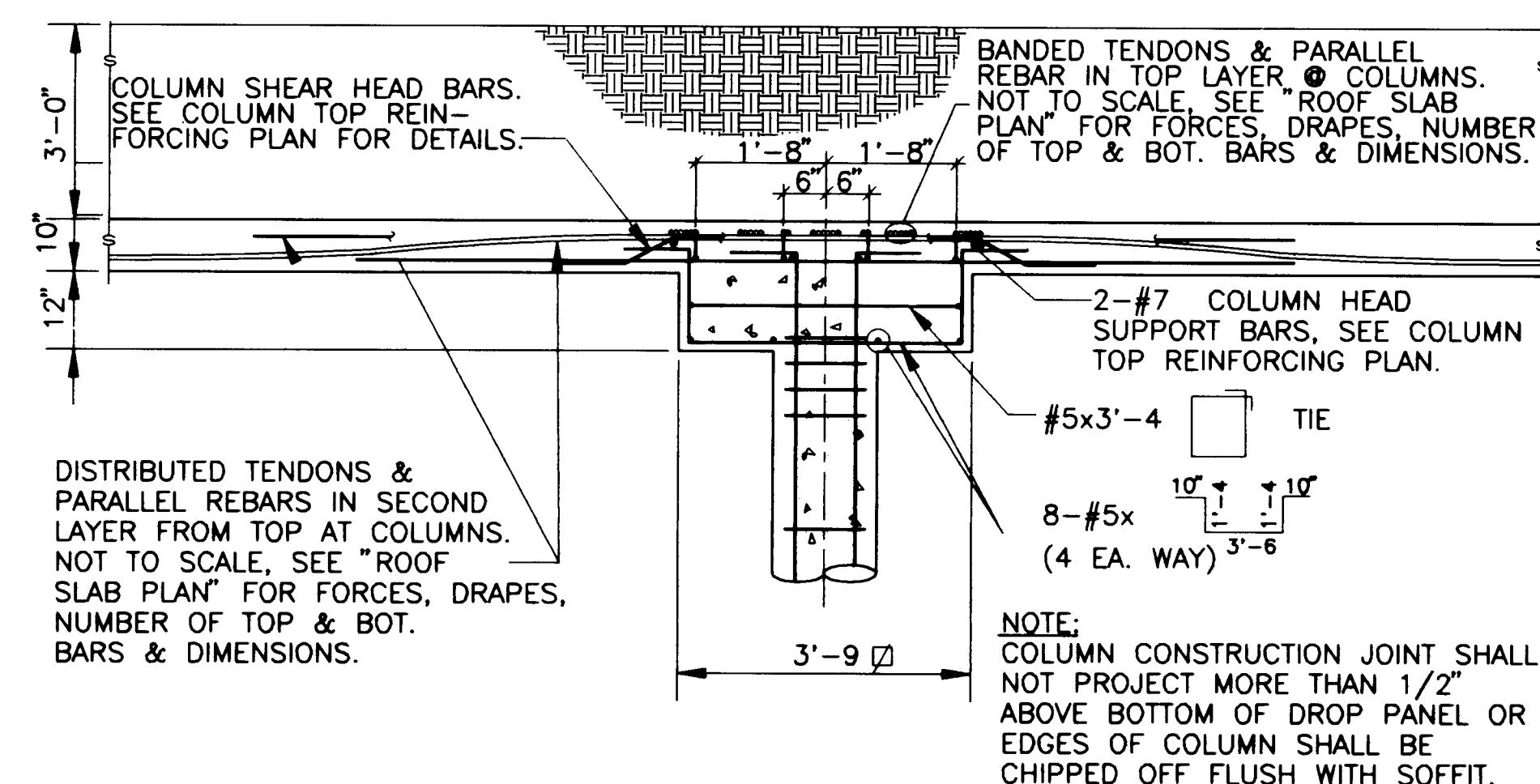
BLOCKOUT DETAIL
SCALE: 3/8" = 1'-0"



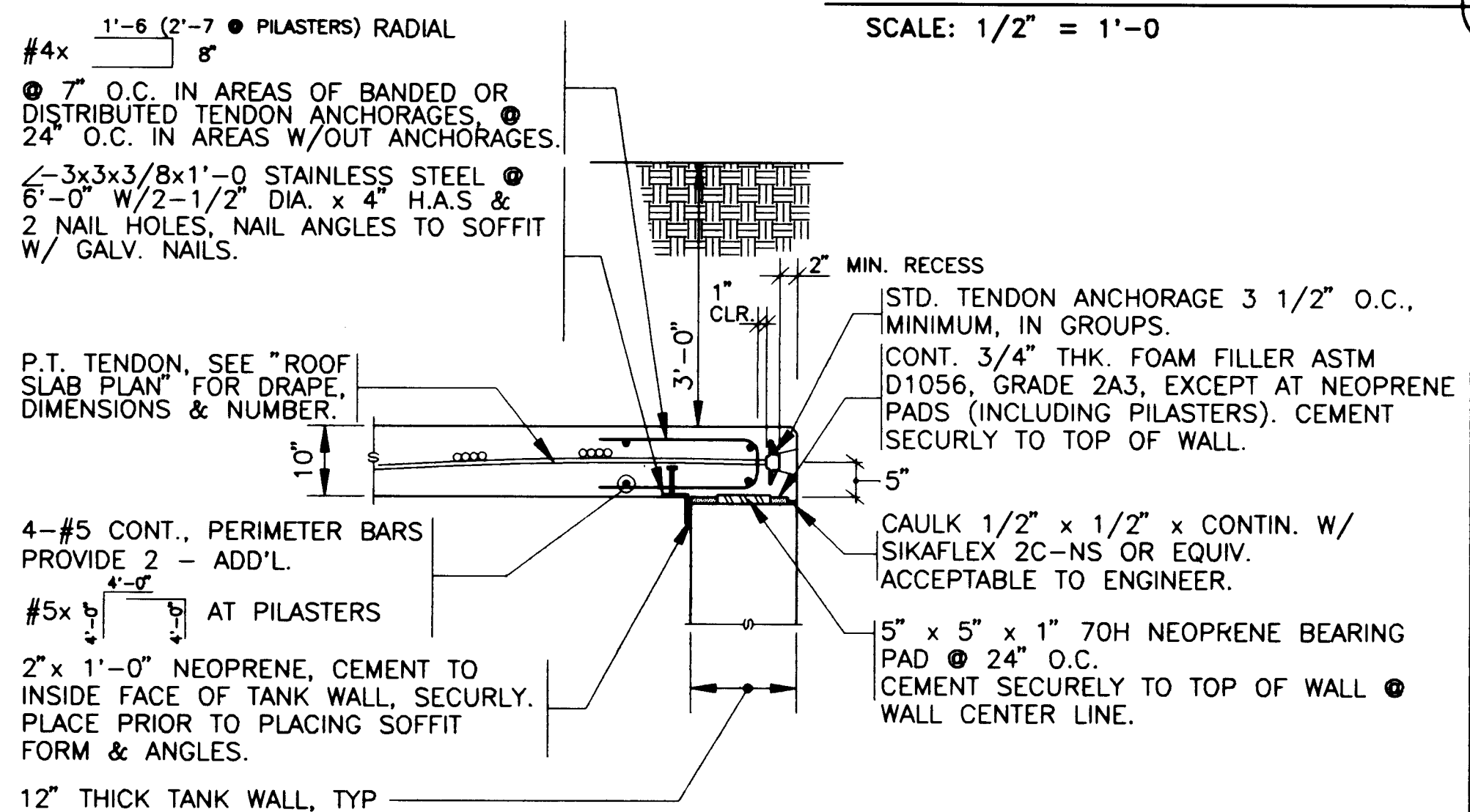
VENT BLOCKOUT
SCALE: 3/8" = 1'-0"



COLUMN TOP REINFORCING PLAN
SCALE: 1/2" = 1'-0"



COLUMN TOP DETAIL
SCALE: 1/2" = 1'-0"



ROOF SLAB DETAIL
SCALE: 3/4" = 1'-0"

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	RWCT, INC.	DATE		THE BENCHMARK IS A STANDARD ACS BRASS	DATE			FIELD NOTES	DATE			NO.			
WORKING	COA	DATE		TABLET STAMPED "10-G21", SET FLUSH	DATE			BY	DATE						
INSPECTOR'S	BY G.M.H.	DATE	5/94	WITH THE CURB. THE BENCHMARK IS	DATE										
VERIFICATION	BY G.M.H.	DATE	5/94	LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN	DATE										
CORRECTED	BY G.M.H.	DATE	5/94	ALBUQUERQUE, AT THE INTERSECTION OF	DATE										
MICRO-FILM	INFORMATION	DATE		MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E.	DATE										
RECORDED	BY	DATE		ELEVATION = 5636.111	DATE										

URS
CONSULTANTS, INC.

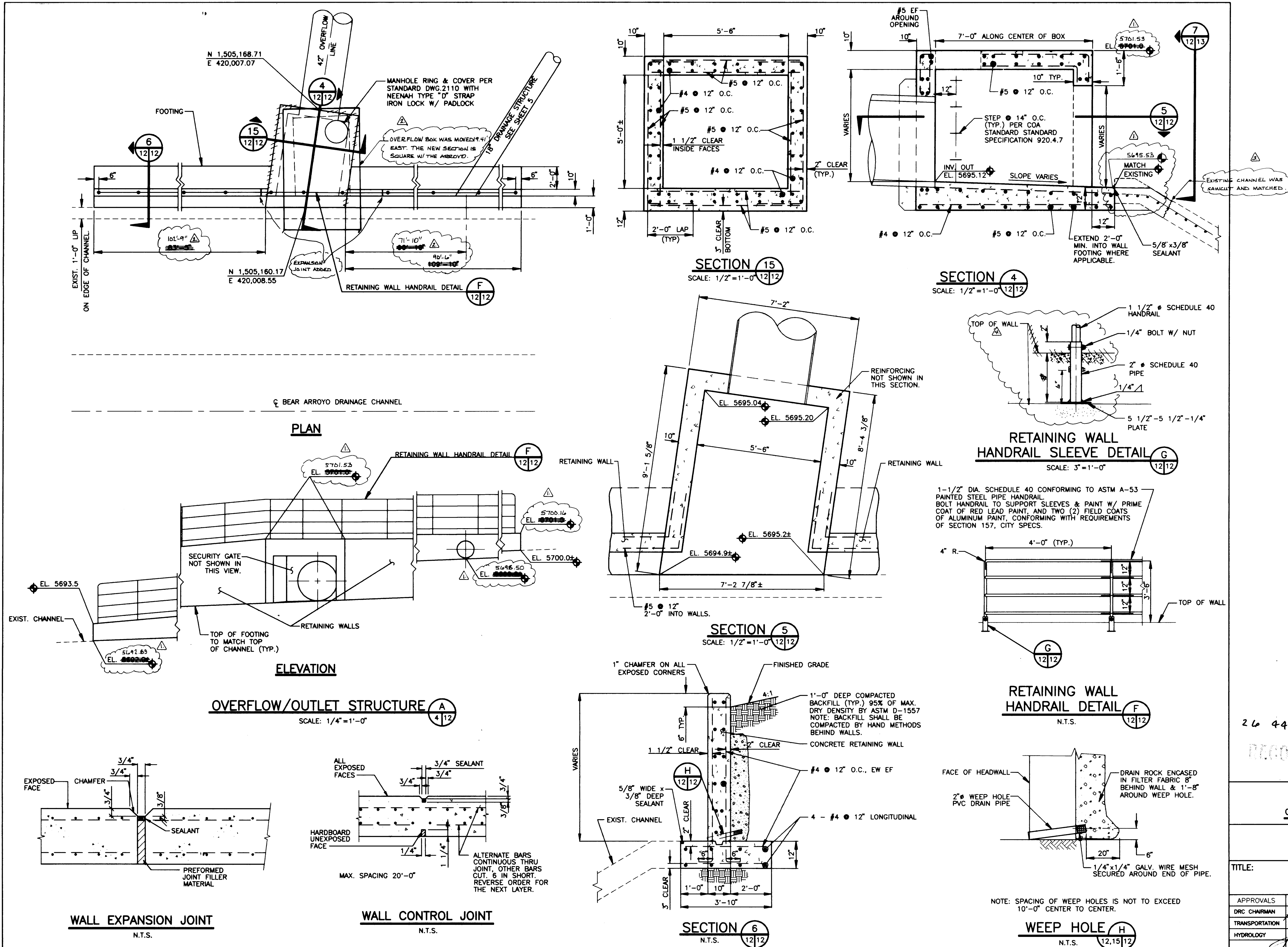
JORGENSEN, HENDRICKSON AND CLOSE, INC.
CONSULTING ENGINEERS
134 UNION BOULEVARD SUITE 660
DENVER, CO 80228-1820
PHONE (303) 733-2000
FAX (303) 733-2001

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ROOF PLAN & DETAILS
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHARMAN	12-22-92	12-22-92	WATER	William Baker	12-22-92
TRANSPORTATION	12-22-92	12-22-92	WASTEWATER	William Baker	12-22-92
HYDROLOGY	12-22-92	12-22-92			

PROJECT NO. 4478.90 MAP NO. N/A SHEET 11 OF 51



26 4478.90 12/29/94

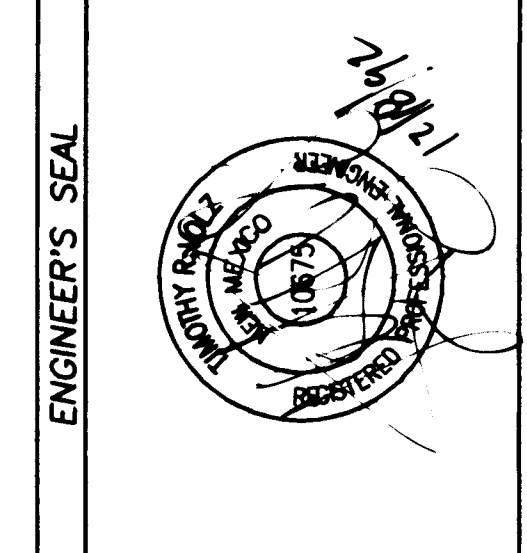
RECORD OF CHANGES

URS
CONSULTANTS, INC.CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

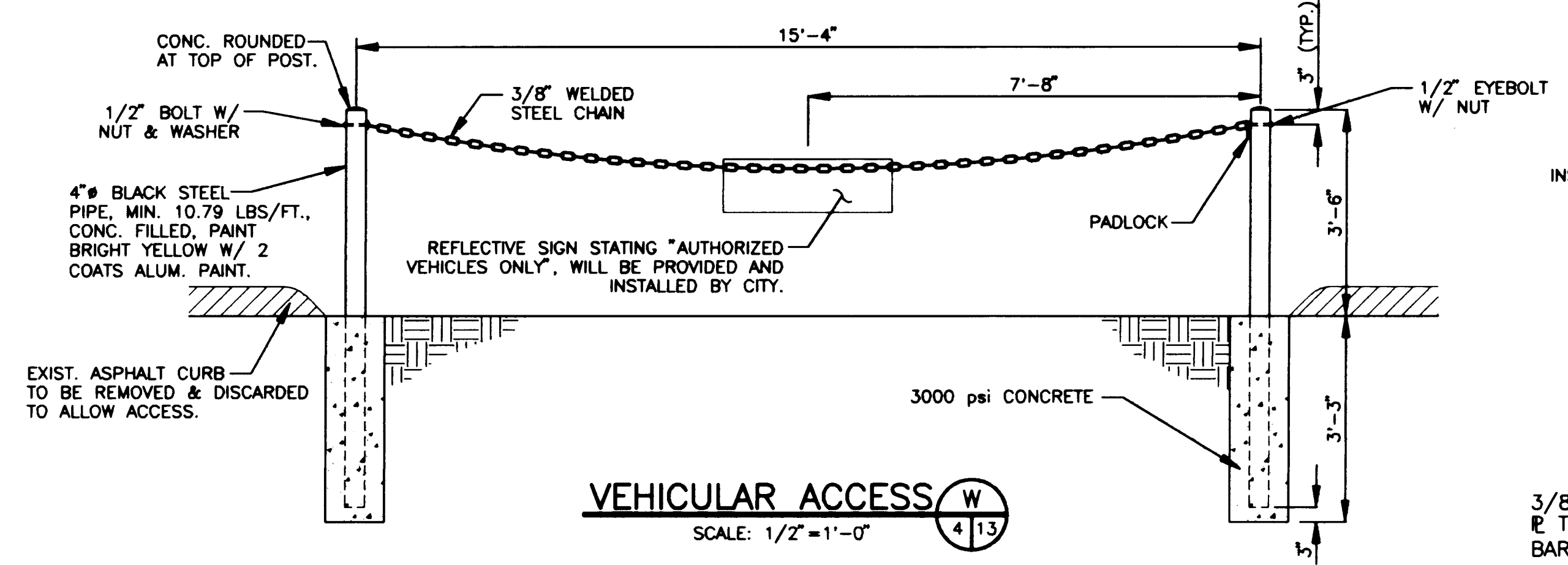
TITLE: OVERFLOW/OUTLET STRUCTURE & DETAILS. PONDEROSA RESERVOIR NO. 2			
APPROVALS	ENGINEER	DATE	APPROVALS
DRG CHAIRMAN	3.9.12/22/92	12-22-92	WATER
TRANSPORTATION	12-22-92	12-22-92	WASTEWATER
HYDROLOGY	12-22-92	12-22-92	
COA PROJECT NO.	4478.90	MAP NO.	N/A
SHEET	12	OF	51

SCANNED BY
BY LASON

AS BUILT INFORMATION			
CONTRACTOR	R.M.C.I., INC.	DATE	
WORK ORDER NO.		DATE	
INSPECTOR		DATE	
ACCEPTANCE BY	G.M.H.	DATE	5/94
VERIFICATION BY	G.M.H.	DATE	5/94
DRAWINGS		DATE	5/94
COPIED BY	G.M.H.	DATE	5/94
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.		DATE	

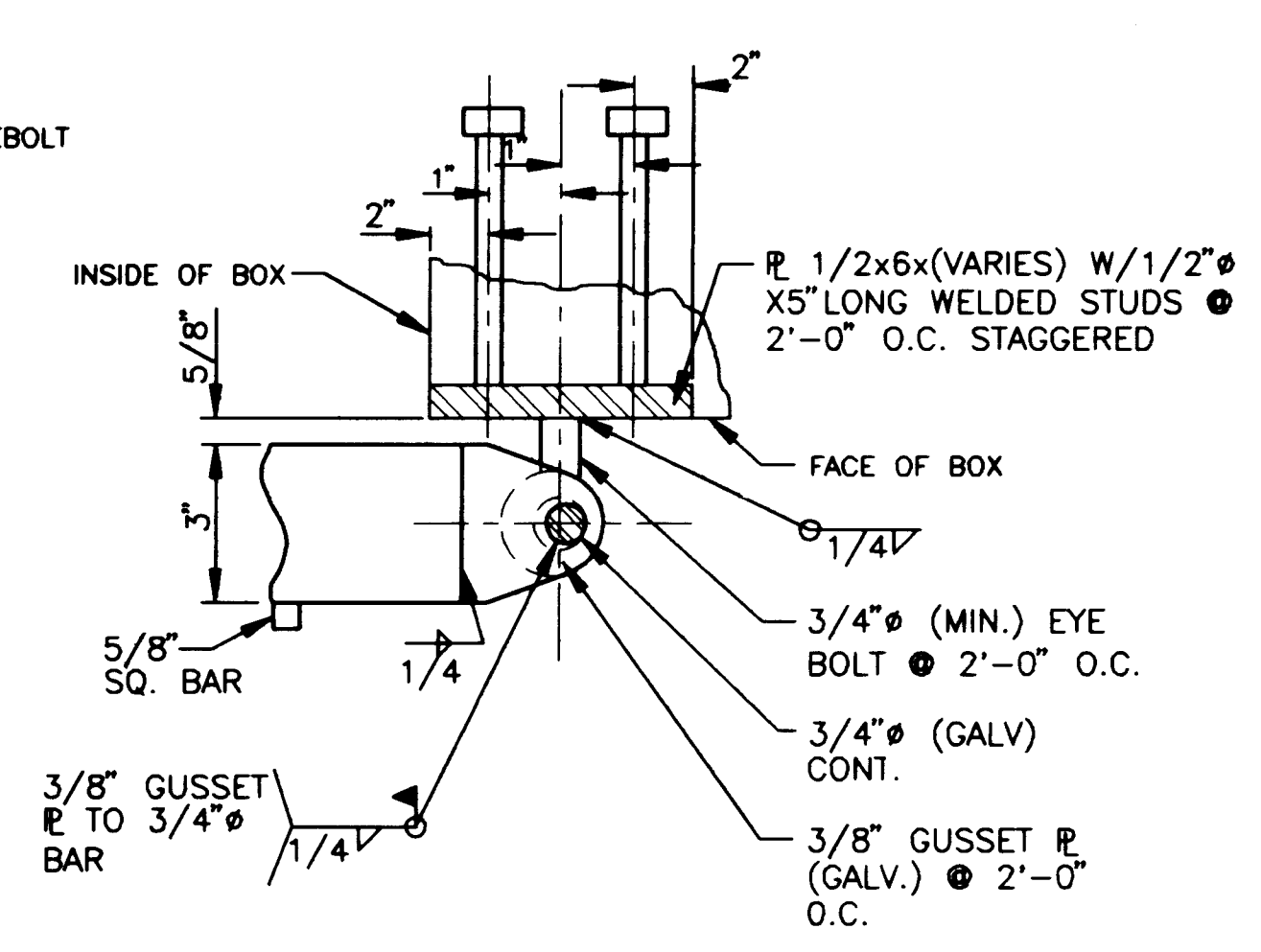


REVISIONS			
NO.	DATE	BY	REMARKS
1	12-22-92		DESIGN
2	12-22-92		DESIGNED BY BAR/TRV
3	12-22-92		DRAWN BY BLS
4	12-22-92		CHECKED BY CMB/TRV

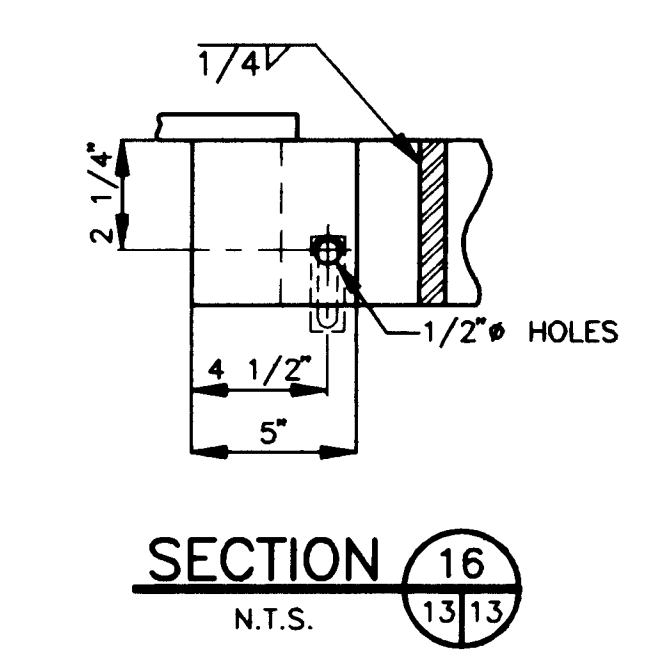


VEHICULAR ACCESS (W)
4/13
SCALE: 1/2" = 1'-0"

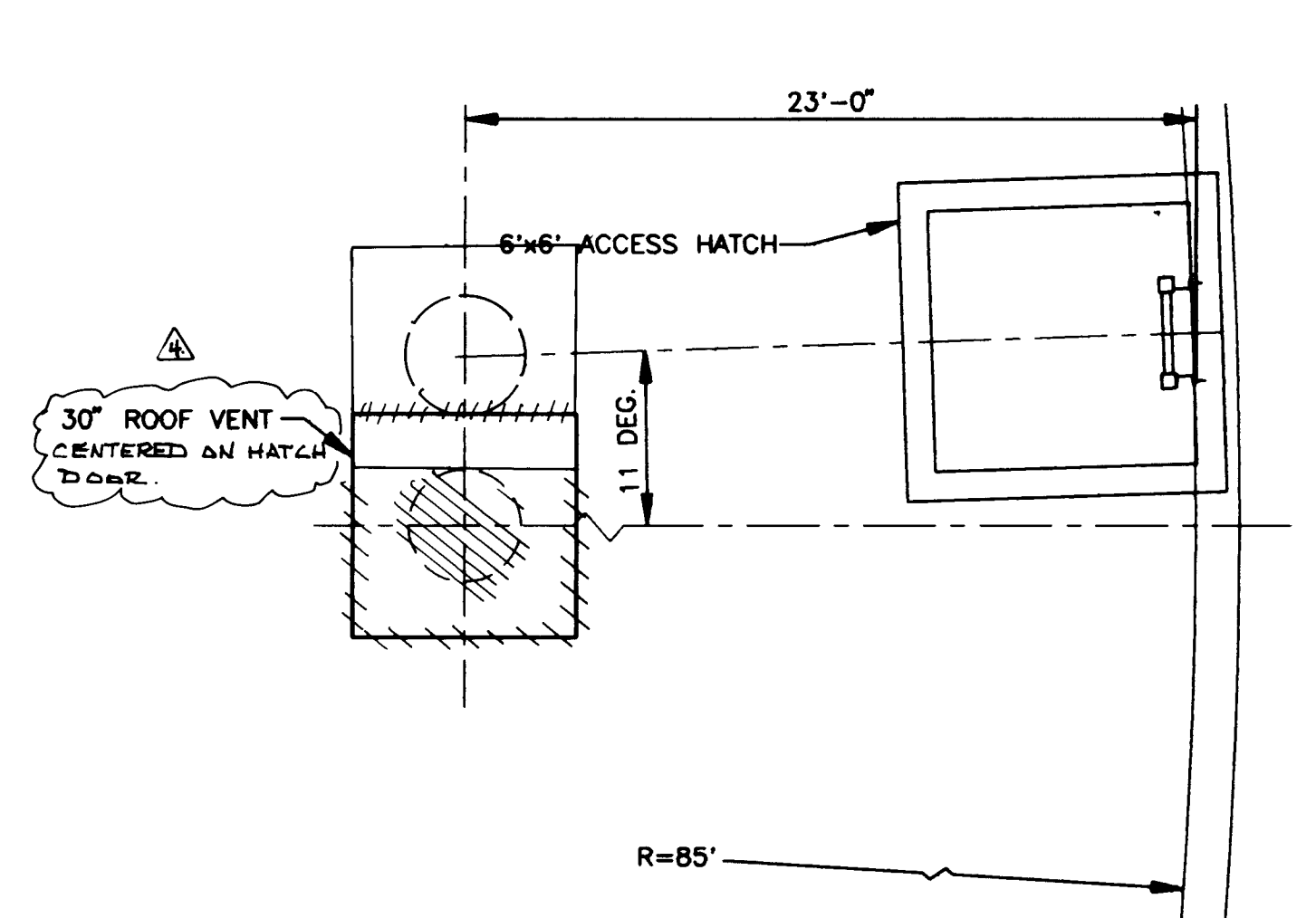
NOTE: 1. ALL CUT AREAS TO BE CLEANED THOROUGHLY WITH A WIRE BRUSH AND/OR SAND BLAST AND REGALVANIZED.
2. REGALVANIZING SHALL BE WITH SHERWIN WILLIAMS ZINC CLAD 7 PRIMER OR EQUAL.



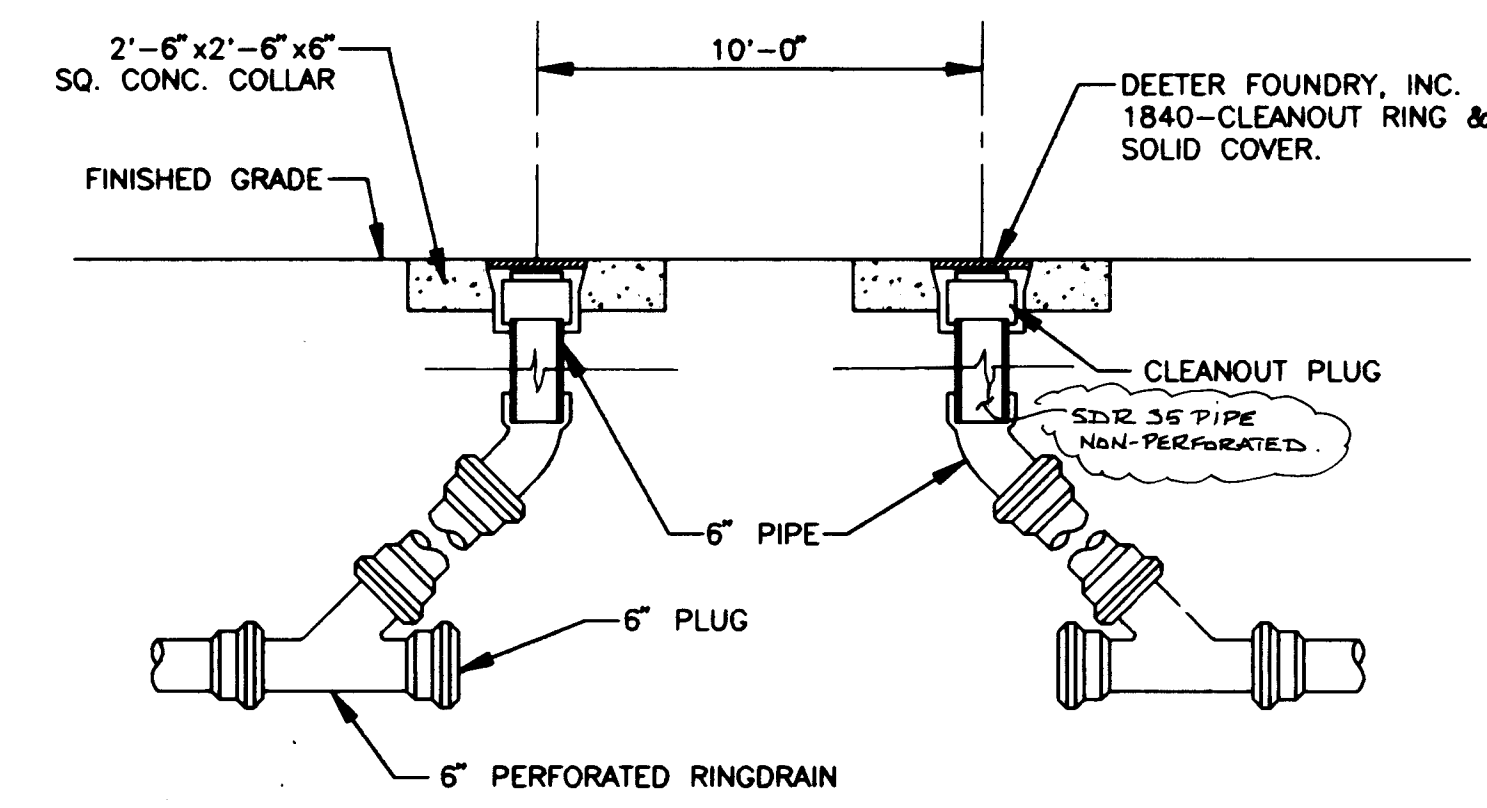
SECTION 7
13/13
N.T.S.



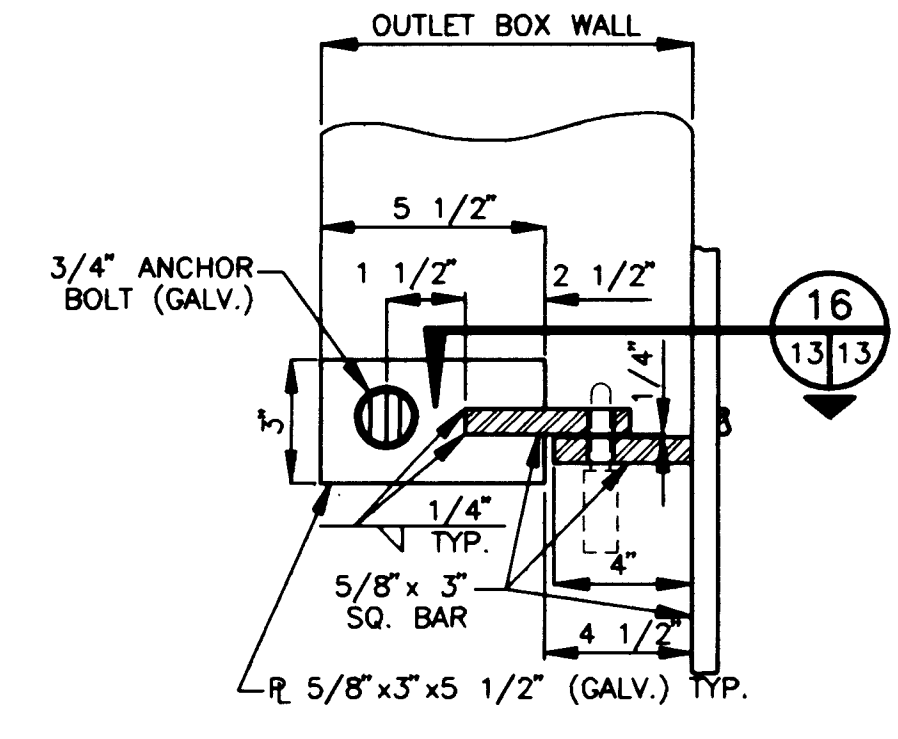
SECTION 16
13/13
N.T.S.



PLAN

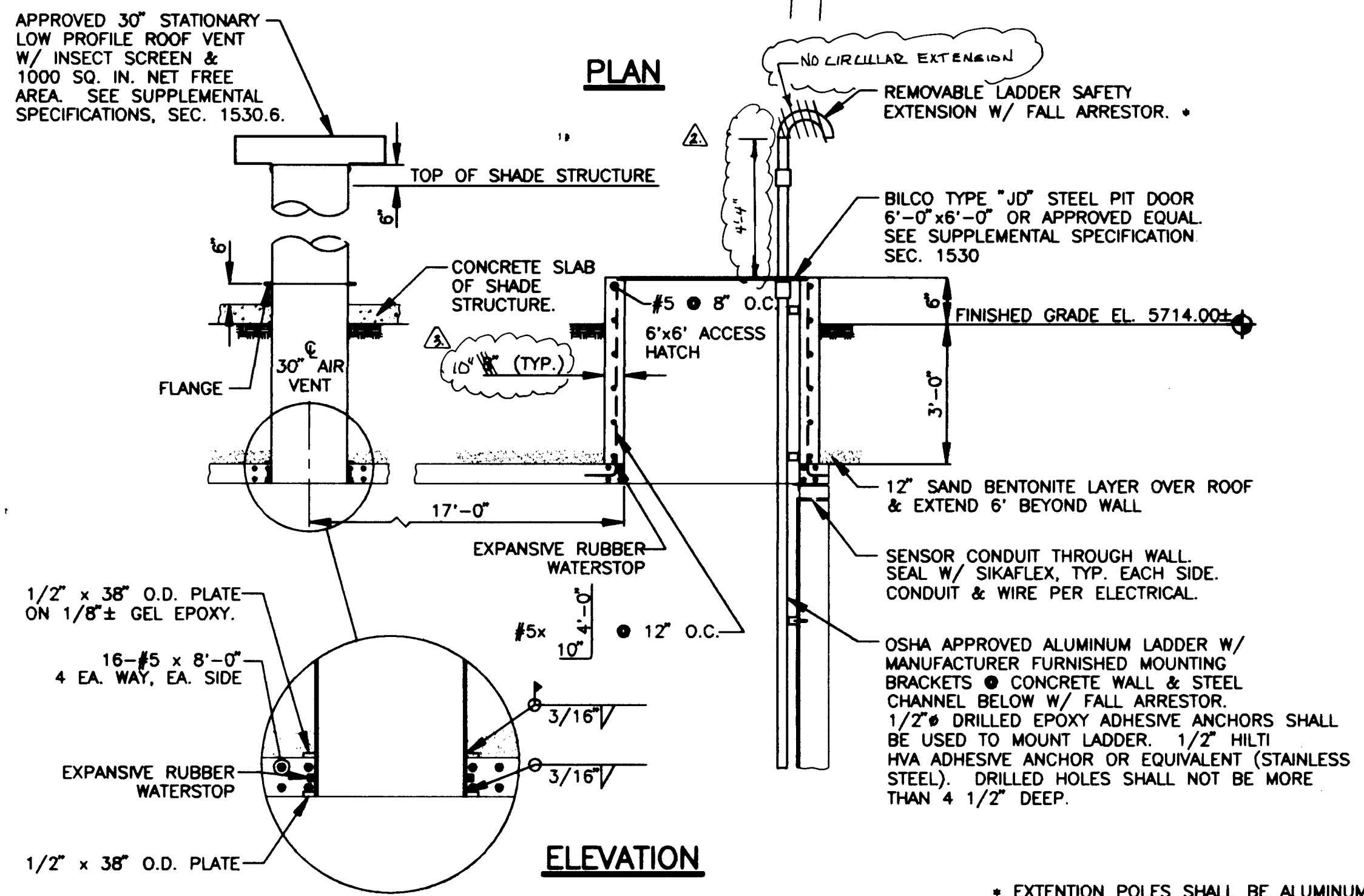


CLEANOUT DETAIL (K)
4/13
N.T.S.

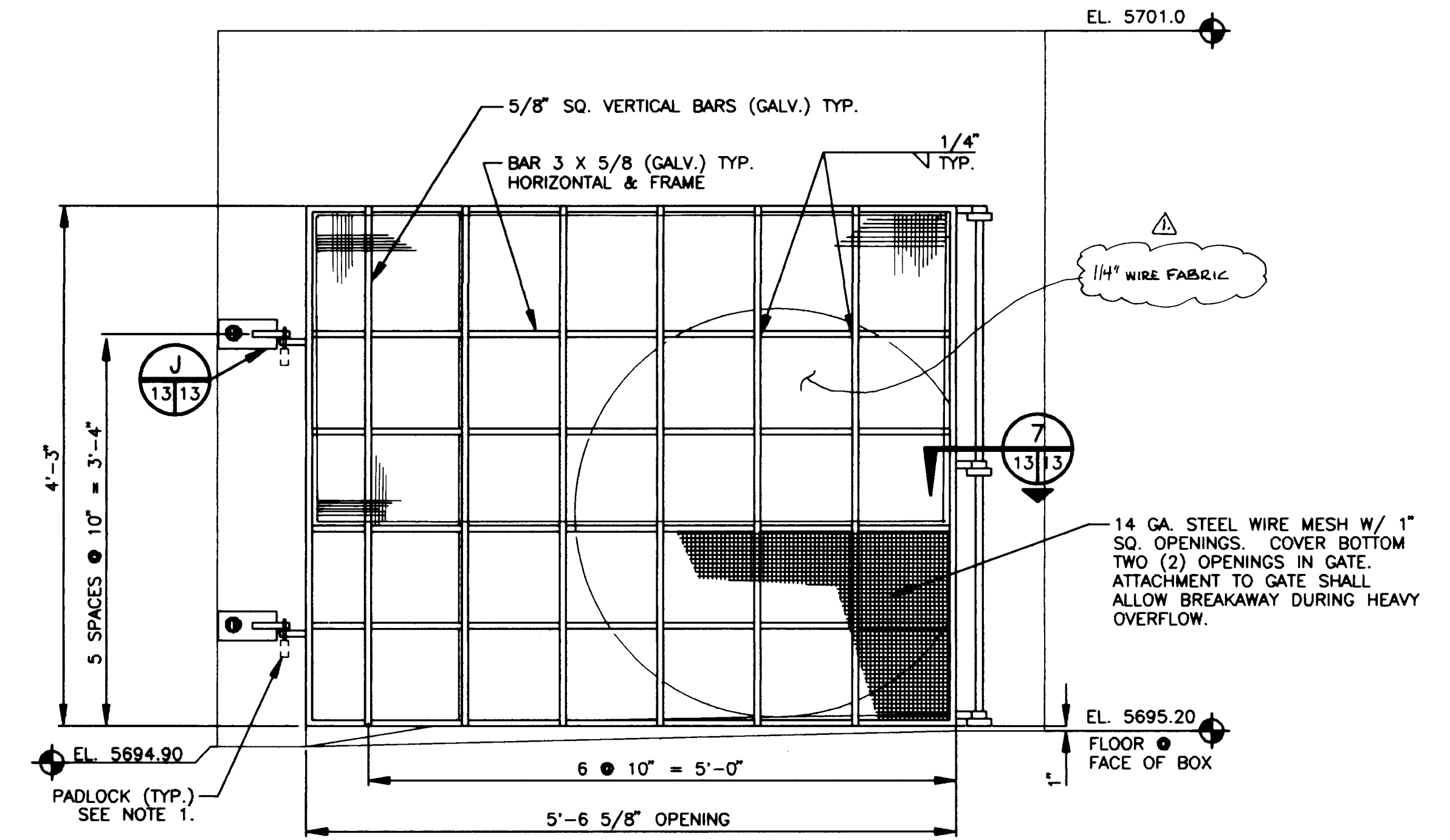


DETAIL J
13/13
N.T.S.

NOTE: GALVANIZE AFTER FABRICATION
PADLOCK (BRASS)
(2 PER GATE)

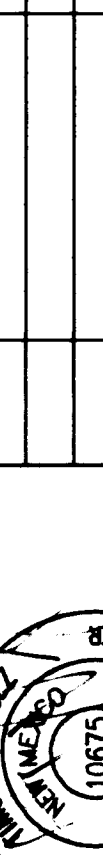


RESERVOIR ENTRANCE DETAIL (C)
7/13
N.T.S.



SECURITY GATE DETAIL (6)
12/13
SCALE: 1" = 1'-0"

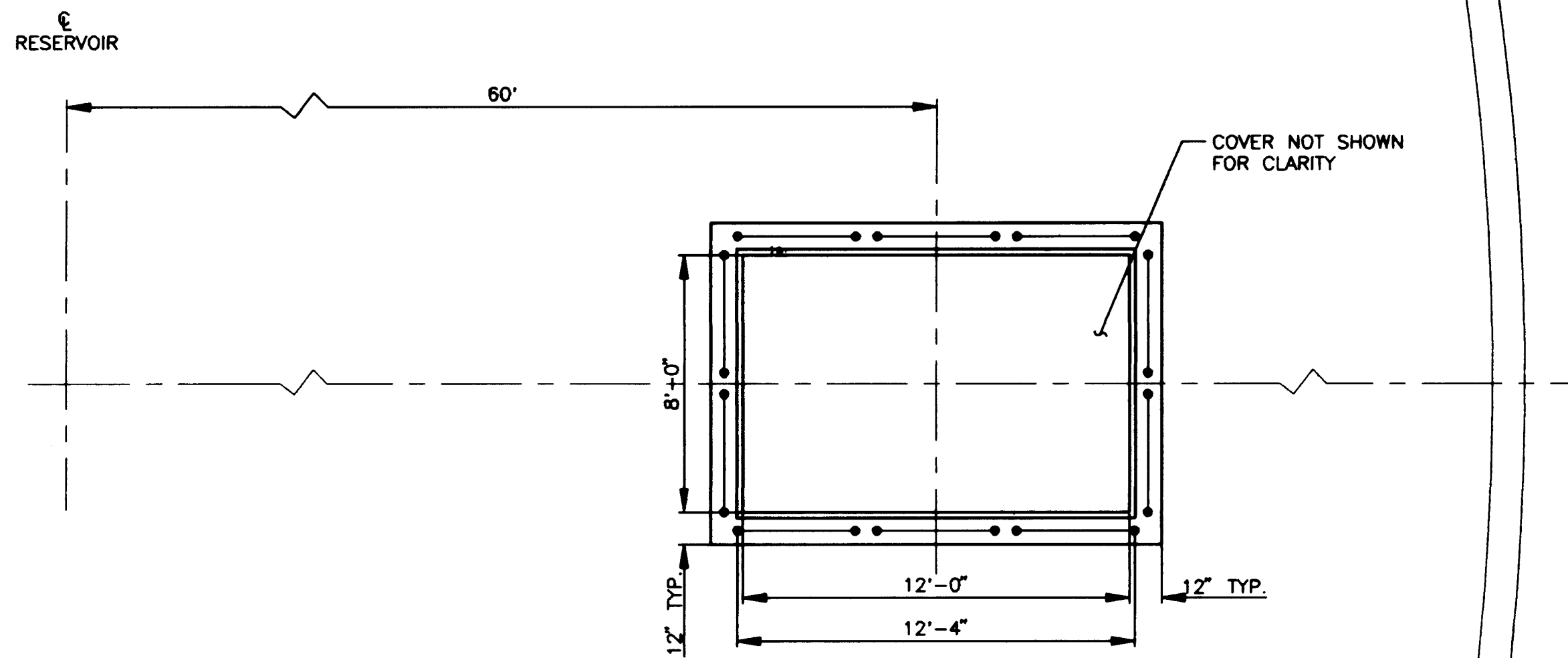
NOTE:
1) CITY OF ALBUQUERQUE IS TO FURNISH PADLOCKS TO CONTRACTOR.

RECORD DRAINING										ENGINEER'S SEAL		SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION		
ROUPE TRUMENT UP												FIELD NOTES			THE BENCHMARK IS A STANDARD ACS BRASS TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111		CONTRACTOR RANCL, INC. WORK STATED BY P.D.A. DATE ACCEPTANCE BY G.M.H. DATE FIELD LOCATION BY G.M.H. DATE DRAWINGS CORRECTED BY G.M.H. DATE MICRO-FILM INFORMATION RECORDED BY DATE NO.		
REVISIONS																			
DESIGN																			
DESIGNED BY BAR/TRV										DATE 12-92									
DRAWN BY BLS										DATE 12-92									
CHECKED BY CWB/TRV										DATE 12-92									
GATE DETAILS, SILLS, CLEANOUT & ACCESS																			
AIR NO. 2																			
DOVALS										ENGINEER		DATE							
WATER										William Balch		12-22-92							
										William Balch		12-22-92							
SHEET										13		OF			51				

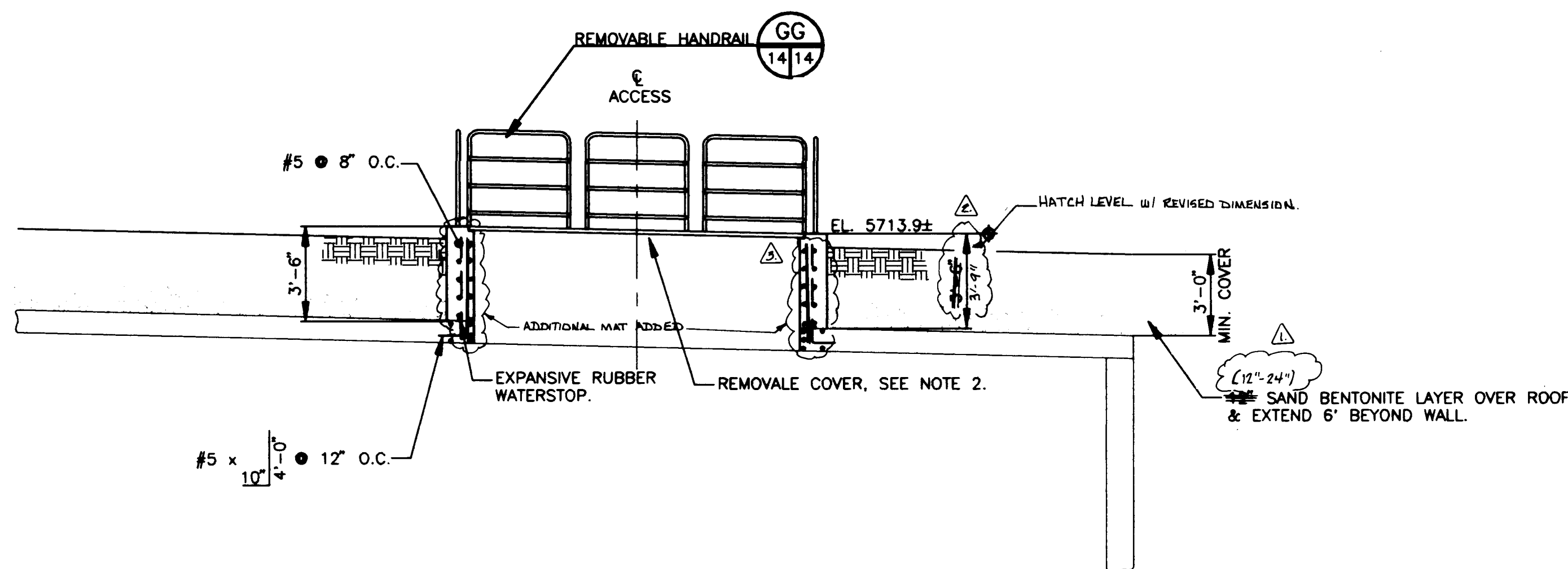
URS
CONSULTANTS, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
TITLE: OVERFLOW/OUTLET SECURITY GATE DETAILS, RESERVOIR ENTRANCE DETAILS, CLEANOUT DETAIL & VEHICULAR ACCESS PONDEROSA RESERVOIR NO. 2
APPROVALS: ENGINEER DATE APPROVALS: ENGINEER DATE
DRG CHAIRMAN DATE WATER WASTEWATER
TRANSPORTATION DATE WASTEWATER
HYDROLOGY
COA PROJECT NO. 4478.90 MAP NO. N/A SHEET 13 OF 51

SCANNED BY
BY LASON

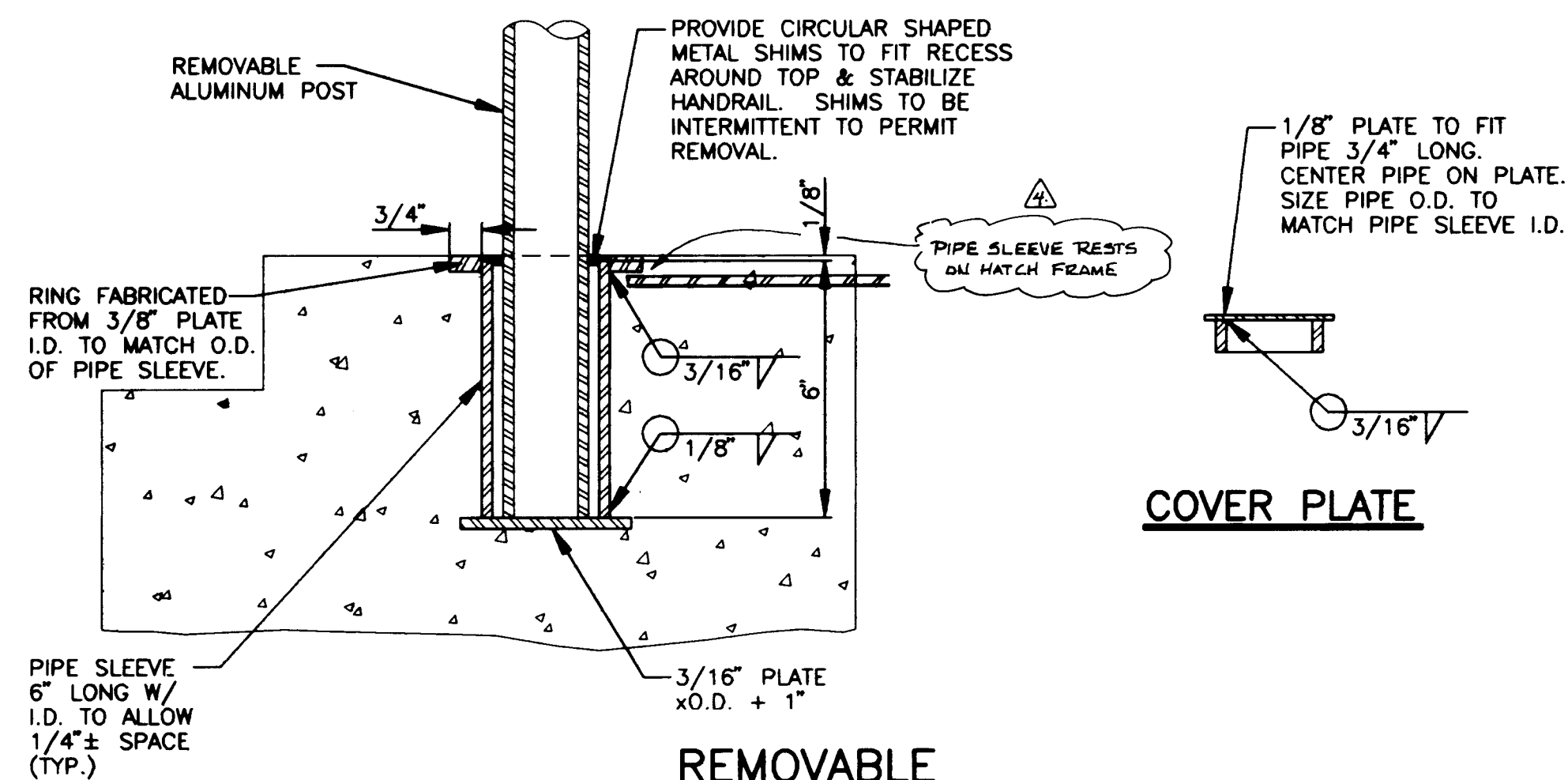


PLAN

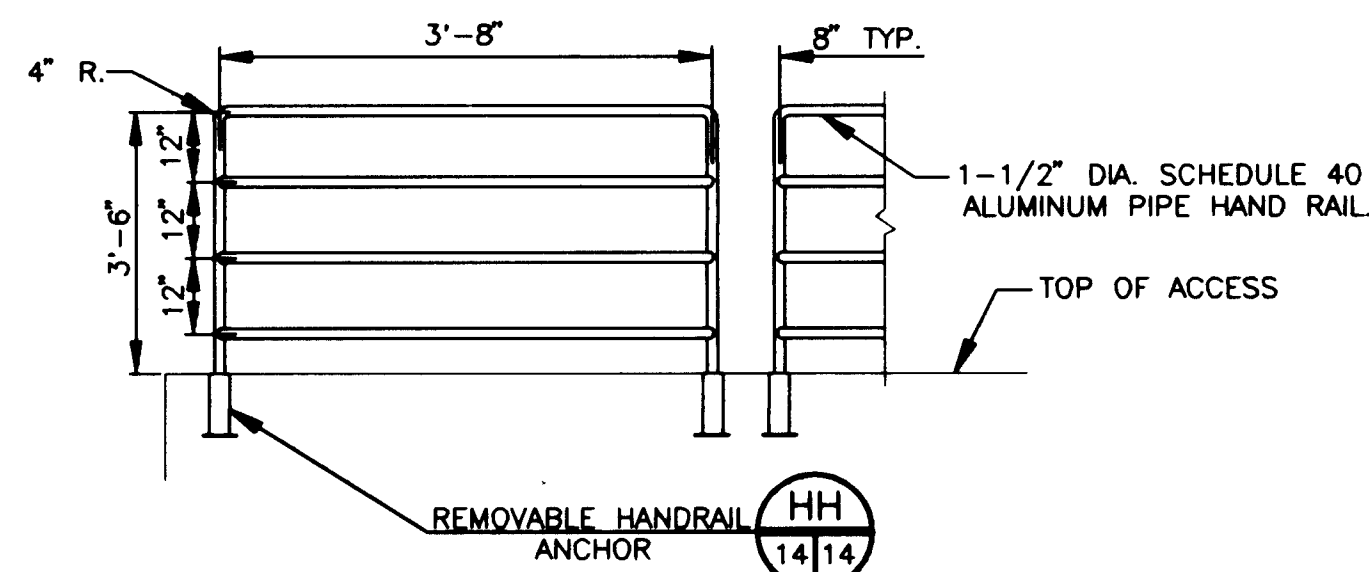


ELEVATION

12'x8' LIGHT ACCESS OPENING (CC 4/14)
SCALE: 1/4"=1'-0"



REMOVABLE HANDRAIL ANCHOR (HH 14/14)
N.T.S.
PROVIDE COVER PLATE FOR EACH ANCHOR SLEEVE

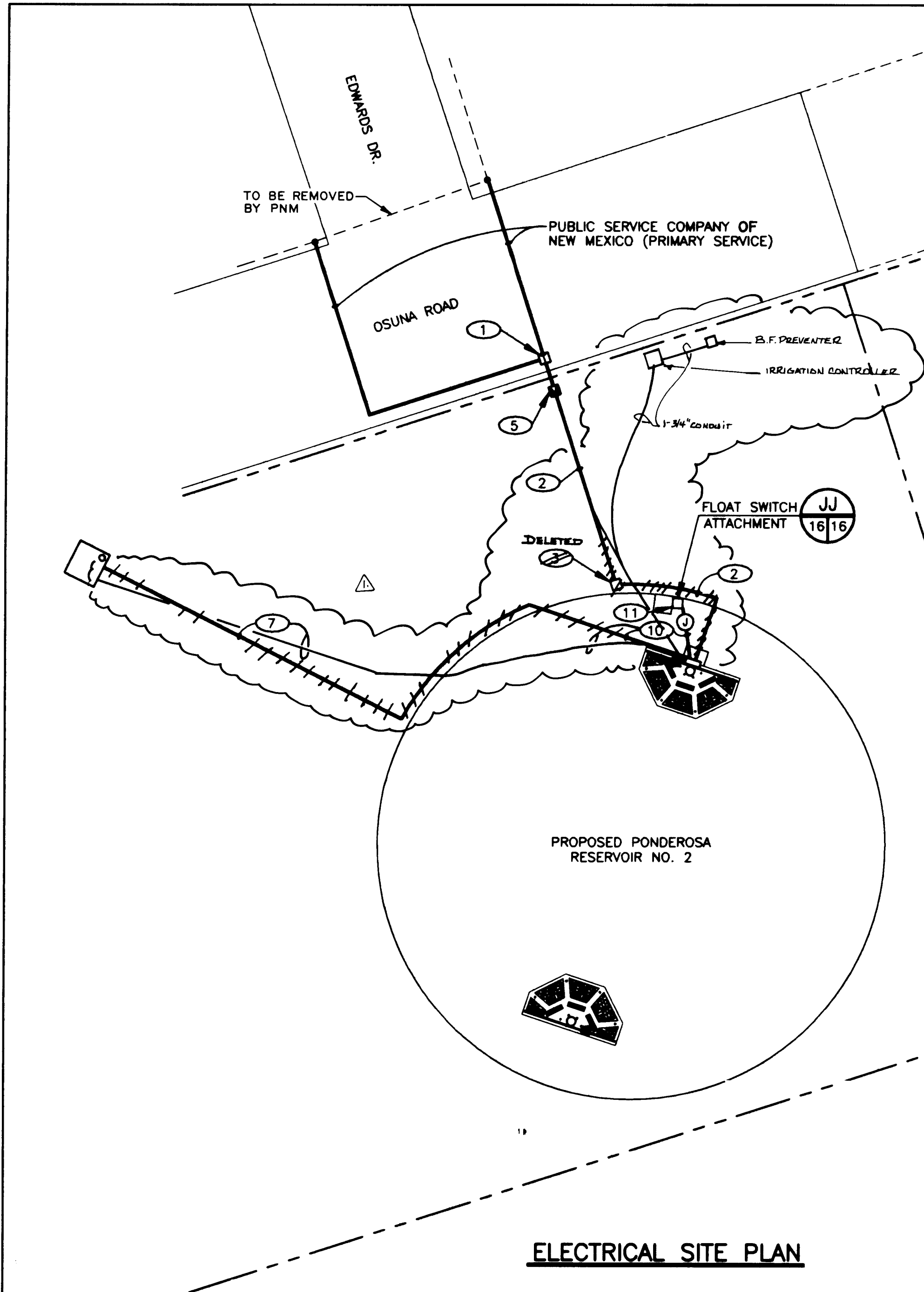


REMOVABLE HANDRAIL DETAIL (GG 14/14)
N.T.S.

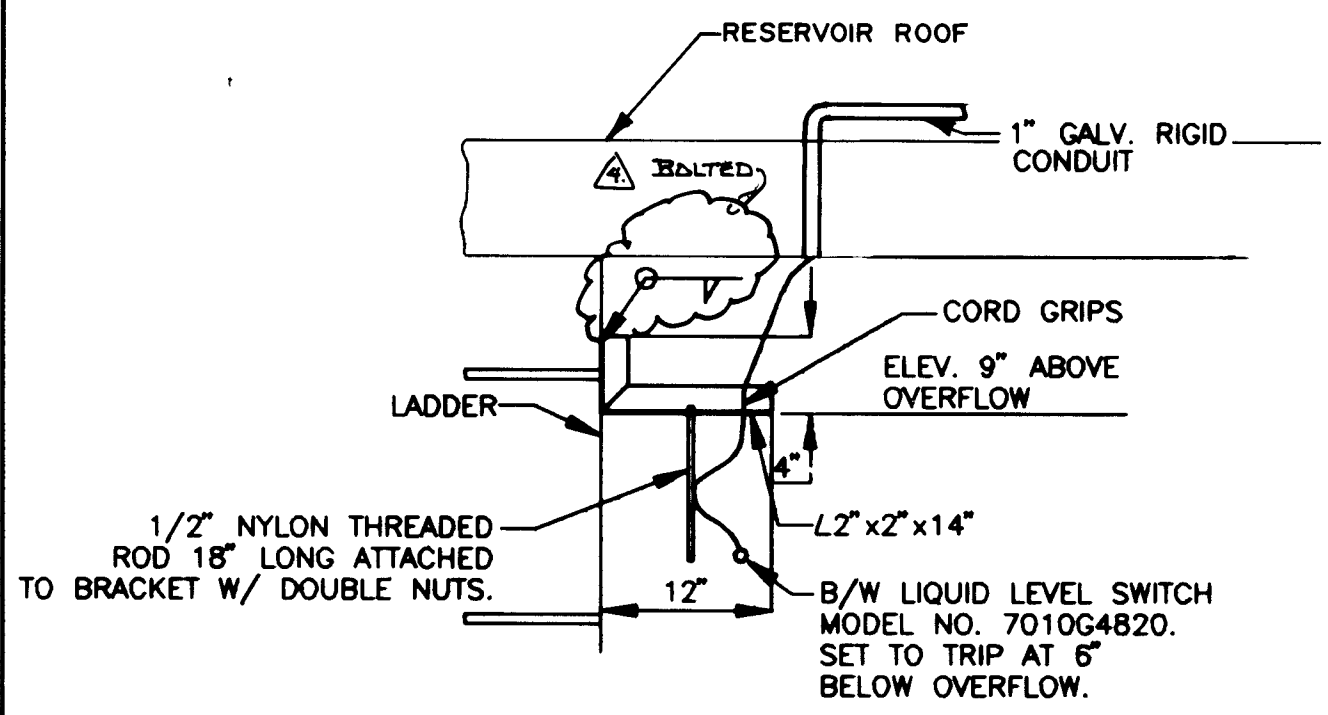
NOTE:

- 1.) REMOVABLE HAND RAIL SECTIONS TO ONLY BE INSTALLED WHEN 12'x8' LIGHT ACCESS IS OPENED. SECTIONS SHALL BE REMOVED & PLACED IN STORAGE BY WATER UTILITY DIVISION WHEN 12'x8' LIGHT ACCESS IS CLOSED.
- 2.) CONTRACTOR SHALL SUBMIT LIGHT ACCESS OPENING DESIGN DRAWING TO THE ENGINEER FOR APPROVAL. THE LIGHT ACCESS OPENING SHALL MEET THE FOLLOWING CRITERIA:
 - a. THE ACCESS COVER SHALL BE REMOVABLE, EITHER BY LIFTING WITH A LIGHT DUTY CRANE OR DESIGN AS DOORS.
 - b. THE ACCESS COVER SHALL BE WATERTIGHT.
 - c. STORM OR IRRIGATION WATER SHALL BE ALLOWED TO DRAIN OFF THE ACCESS COVER.
 - d. THE ACCESS COVER SHALL BE DESIGNED FOR H-20 LOADING.
 - e. THE ACCESS COVER SHALL BE VANDALISM PROOF & SHALL BE EITHER BOLTED DOWN OR HAVE A LOCKING MECHANISM.

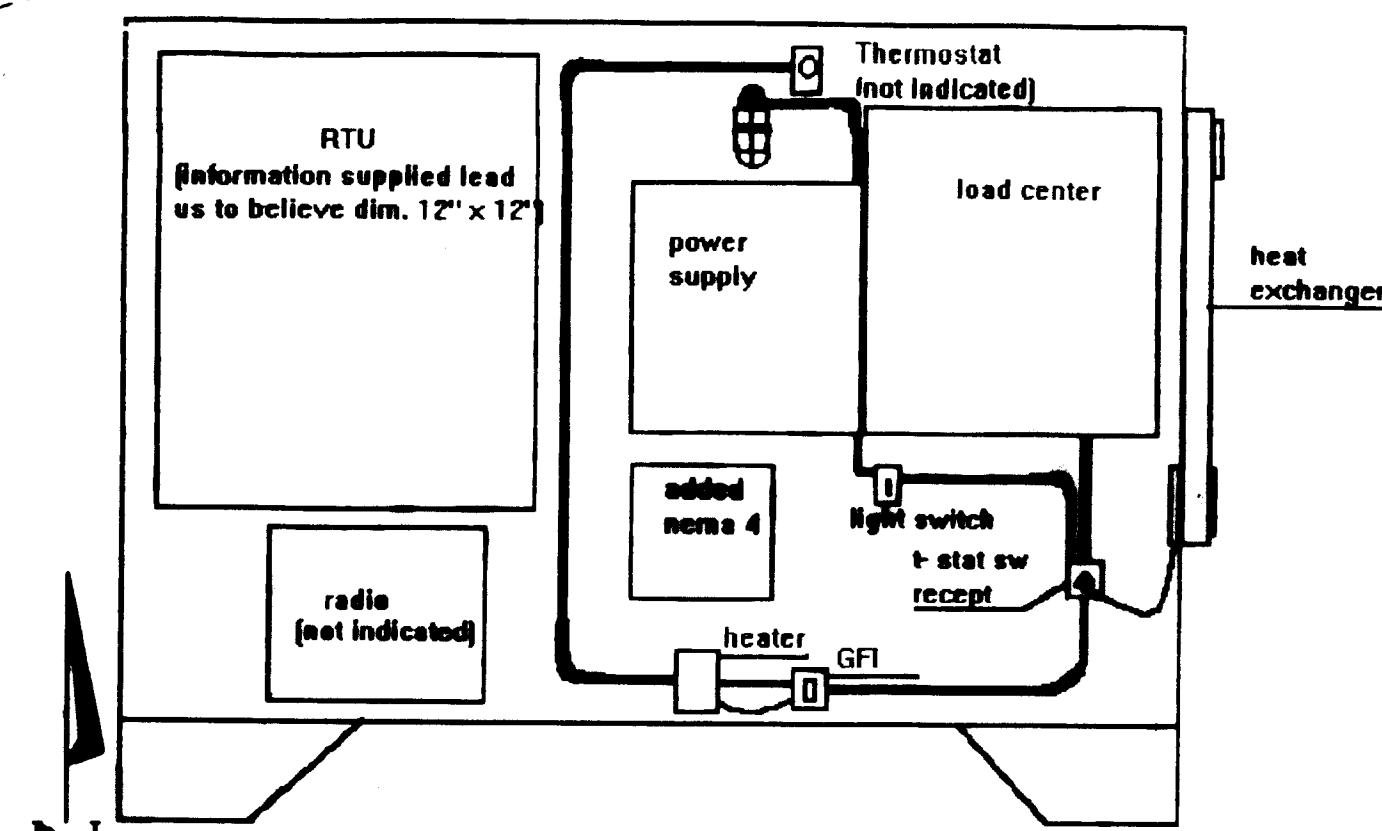
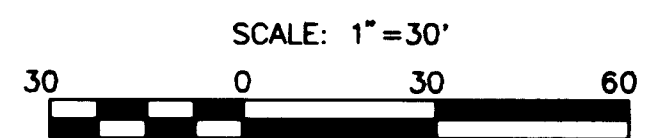
AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL			REVISIONS			DESIGN		
CONTRACTOR	DATE	BY	THE BENCHMARK IS A STANDARD ACS BRASS	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
URS	12/22/92	WATER	TABLET STAMPED "10-G21" SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111														
APPROVALS			APPROVALS			APPROVALS			APPROVALS			APPROVALS			APPROVALS		
ENGINEER			ENGINEER			ENGINEER			ENGINEER			ENGINEER			ENGINEER		
DATE			DATE			DATE			DATE			DATE			DATE		
12/22/92			12/22/92			12/22/92			12/22/92			12/22/92			12/22/92		
WATER			WATER			WATER			WATER			WATER			WATER		
WASTEWATER			WASTEWATER			WASTEWATER			WASTEWATER			WASTEWATER			WASTEWATER		
HYDROLOGY			HYDROLOGY			HYDROLOGY			HYDROLOGY			HYDROLOGY			HYDROLOGY		
12/22/92			12/22/92			12/22/92			12/22/92			12/22/92			12/22/92		
COA PROJECT NO.			MAP NO.			SHEET			OF			14			51		
4478.90			N/A														



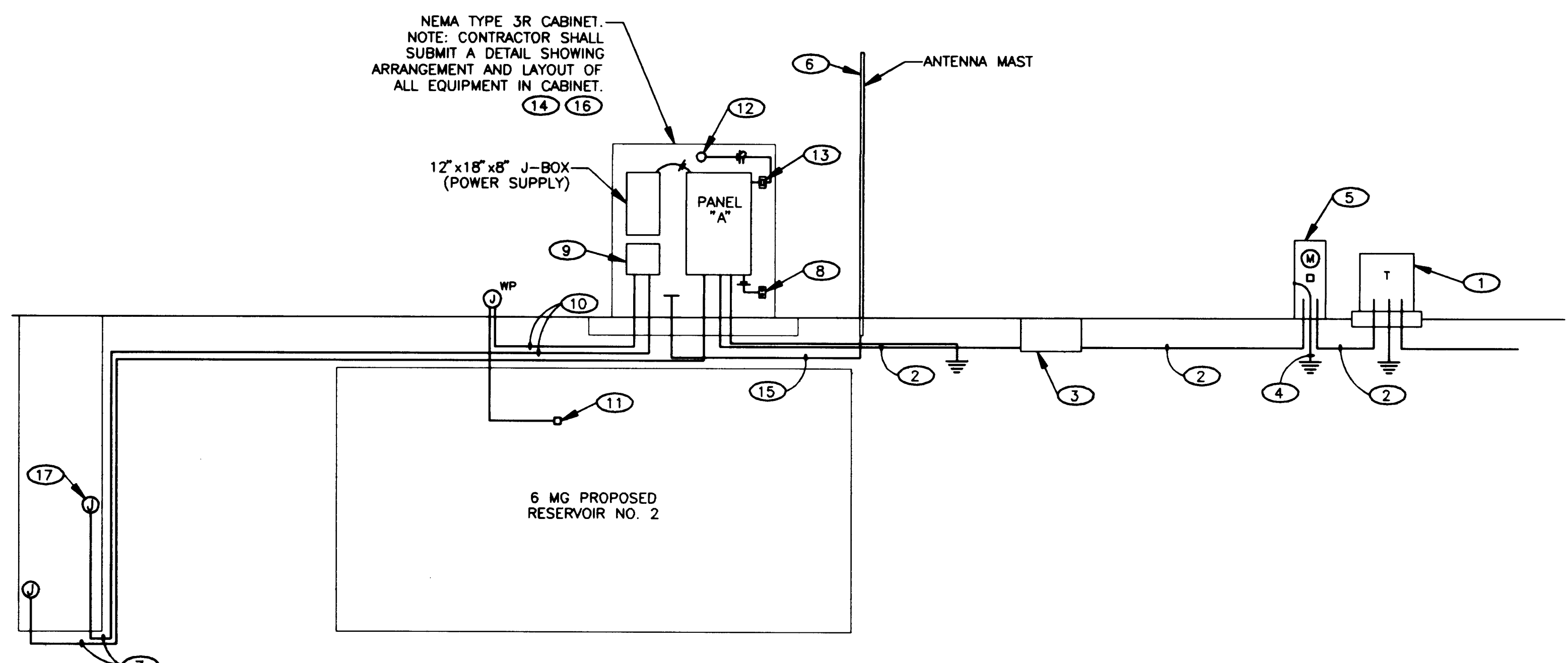
ELECTRICAL SITE PLAN



FLOAT SWITCH ATTACHMENT
N.T.S.



ELECTRIC CABINET LAYOUT



POWER RISER DIAGRAM
N.T.S.

KEYED NOTES

- PUBLIC SERVICE CO. OF NEW MEXICO TRANSFORMER WITH SECONDARY (120/240V-1Ø).
- SECONDARY SERVICE, 3-#2 + 1-#8 GR. IN 1 1/4" C., MIN. 42" BELOW GRADE.
- PULL BOX, CARLON #1730 OR EQUAL.
- 1-#8 BSD (CU) WITH 3/4"x8"-Ø GROUND ROD FOR SERVICE GROUND PER NEC AND SPECIFICATIONS.
- PROVIDE & INSTALL METER PEDESTAL PER PNM DRAWING #DS-19-84.0.
- PROVIDE POLE-HUBBLE #SSP-4251-POM50 FOR SUPPORT OF ANTENNA. POLE SHALL BE 4" SQUARE BY 25± FT. HEIGHT WITH ANCHOR BOLTS SIZED PER MANUFACTURER REQUIREMENTS.
- PROVIDE (2) 3/4" CONDUITS, WIRING & CONNECTIONS FOR LIGHTING AND CONTROLS IN VAULT. SEE SHEET 17 FOR WIRING DETAILS.
- PROVIDE & INSTALL DUPLEX GFI OUTLET IN CABINET, & ASSOCIATED WIRING.
- INSTALL RTU & TELEMTRY EQUIPMENT IN CABINET.
- SEE SHEET 17 FOR INSTRUMENTATION AND CONTROL WIRING DIAGRAM FOR WIRING REQUIREMENTS.
- PROVIDE & INSTALL FLOAT SWITCH, HIGH LEVEL ALARM PROBE. PROVIDE WIRING AND CONNECTIONS FOR A COMPLETE & OPERATIONAL INSTALLATION. REFER TO THE SPECIFICATIONS.
- PROVIDE & INSTALL IN CABINET AN INCANDESCENT LIGHT FIXTURE, BENJAMIN #11W-150-G W/ 1/150W/1F LAMP.
- PROVIDE 20A/1P TOGGLE SWITCH FOR CONTROL OF INTERIOR CABINET LIGHT.
- PROVIDE & INSTALL ELECTRIC RESISTANCE HEATER IN CABINET. HEATER SHALL BE HOFFMAN #ADAH4001FT, 400W, 120V, W/ GRADUATED THERMOSTAT CONTROL AND BUILT-IN THERMAL CUT-OUTS.
- PROVIDE & INSTALL 1" C. FROM ANTENNA MAST INTO CABINET AND PROVIDE PULL ROPE FOR ANTENNA CABLE.
- PROVIDE & INSTALL AIR HEAT EXCHANGER IN CABINET. AIR HEAT EXCHANGER SHALL BE HOFFMAN #D-AHX60A1, 120V, 2.4 AMPS. INSTALL ON SIDE OF CABINET PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE & INSTALL PROGRAMMABLE SMART PRESSURE TRANSMITTER IN VAULT. SEE SHEET 17 AND REFER TO THE SPECIFICATIONS.

PANEL SCHEDULE

DESCRIPTION	CCT NO.	CCT/BRK	WIRE	LOAD
PANEL "A" - 120/240V-1Ø-3W	1	20A/1P	#12	LIGHT - CABINET COOLER
100A MAIN BREAKER	2	20A/1P	#12	RECEPTACLE - SPACE
SURFACE MOUNT, BOTTOM FEED	3	20A/1P	#12	SPACE - CABINET LIGHT
	4	20A/1P	#10	VAULT FAN
	5	20A/1P	#12	CONTROLS - SPACE
	6	20A/1P	#10	VAULT LIGHTS
	7	20A/1P	#12	CABINET HEATER
	8	20A/1P	#10	VAULT RECP.
	9	20A/1P	#12	CABINET-COOLER RECEPTACLE
	10	20A/1P	#12	POWER SUPPLY
	11	20A/1P	#12	RTU POWER
	12	20A/1P	#12	RADIO POWER
	13	20A/1P	#12	IRRIGATION CONTROLLER
	14	20A/1P	#12	BACKFLOW PREVENTER
	15-24	----	----	SPACE

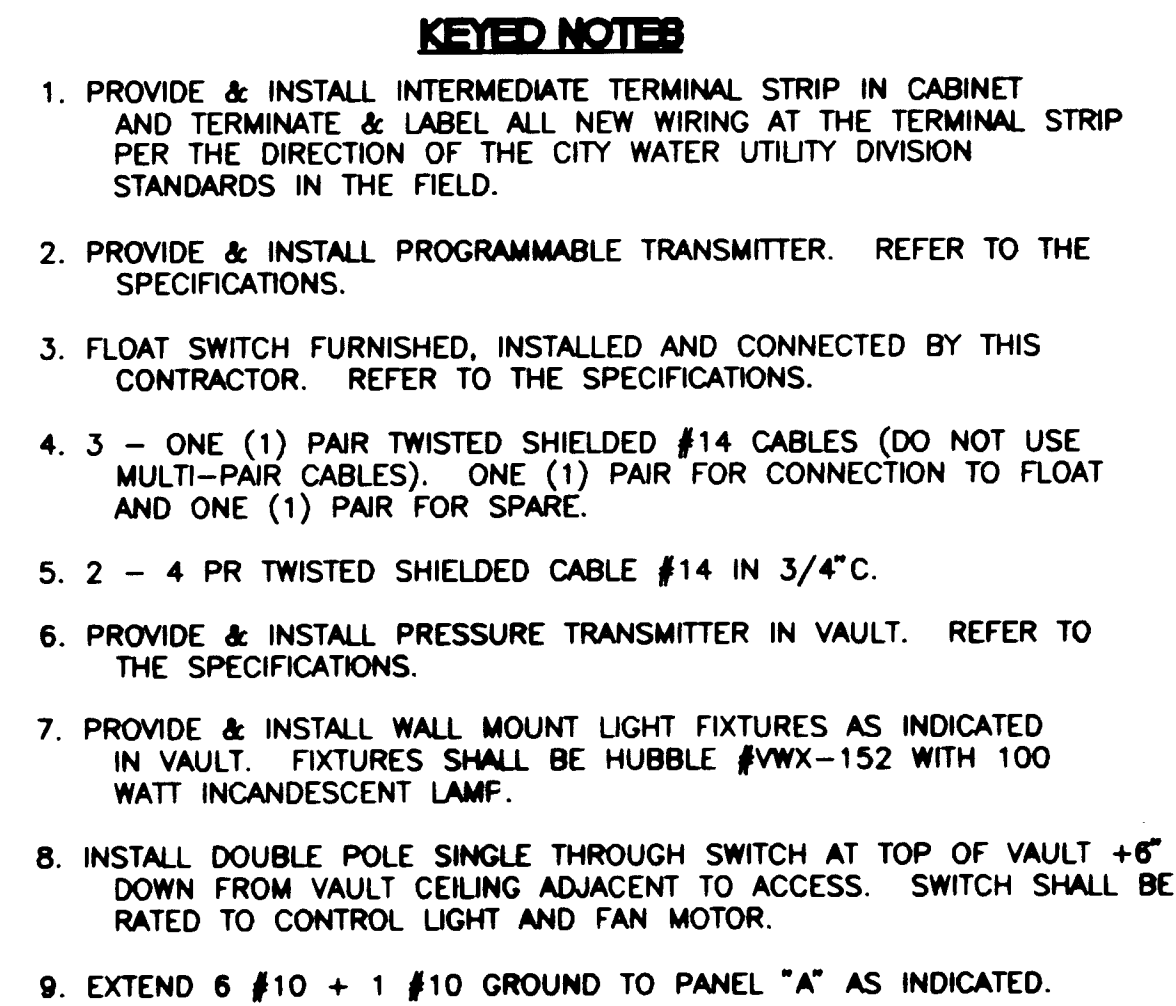
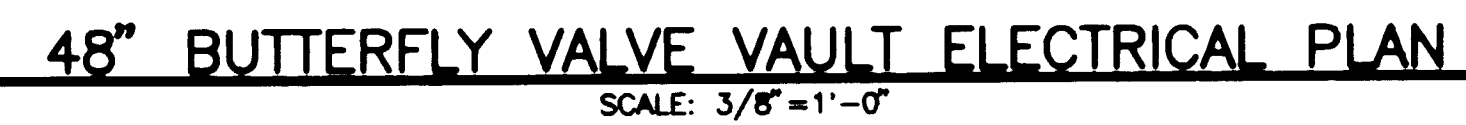
URS
CONSULTANTS, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

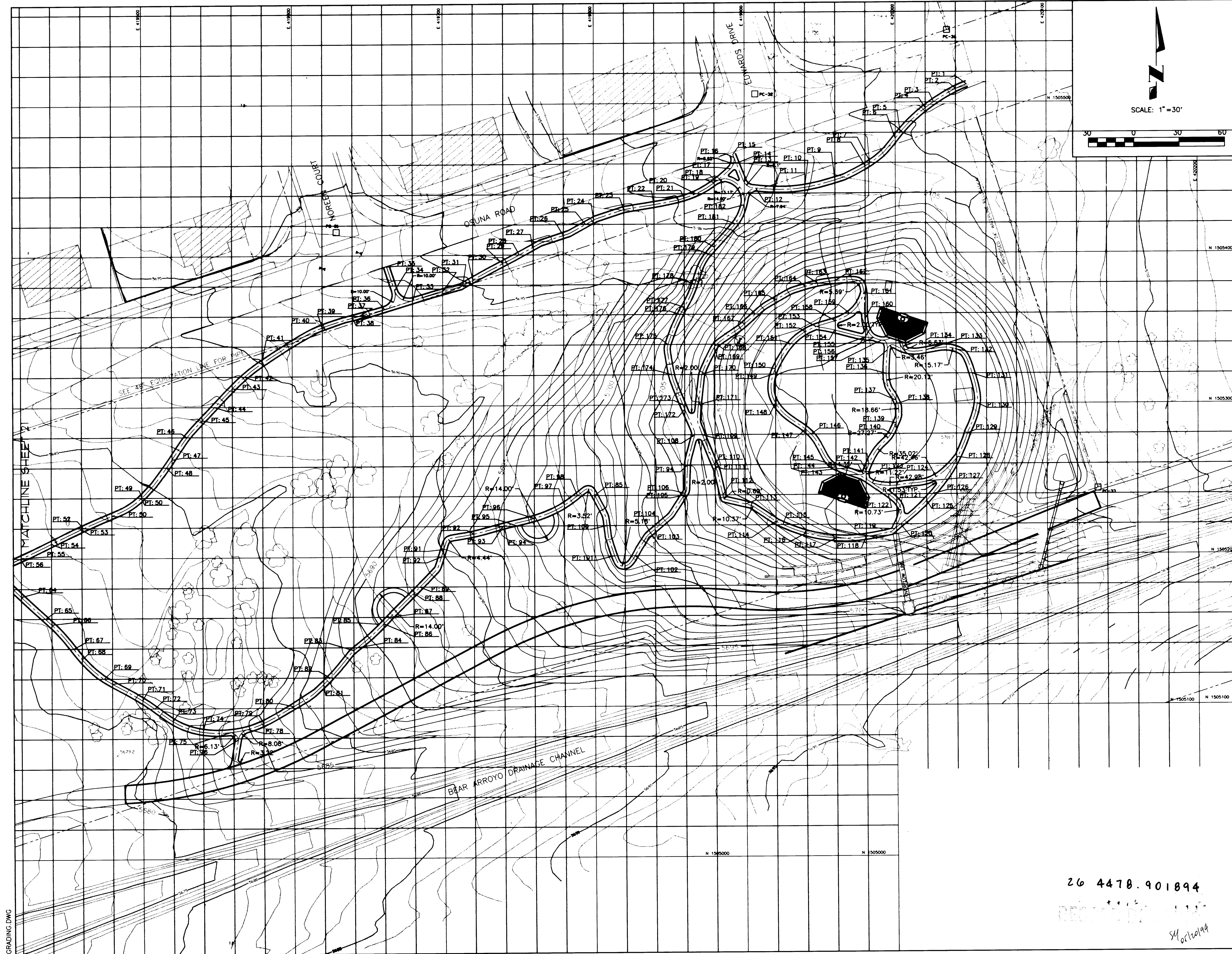
TITLE: ELECTRICAL SITE PLAN & POWER RISER DIAGRAM
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B. J. Boudry</i>	12-22-92	WATER	<i>William Boudry</i>	12-22-92
TRANSPORTATION	<i>N. A. Boudry</i>	12-22-92	WASTEWATER	<i>William Boudry</i>	12-22-92
HYDROLOGY	<i>John J. Boudry</i>	12/22/92			

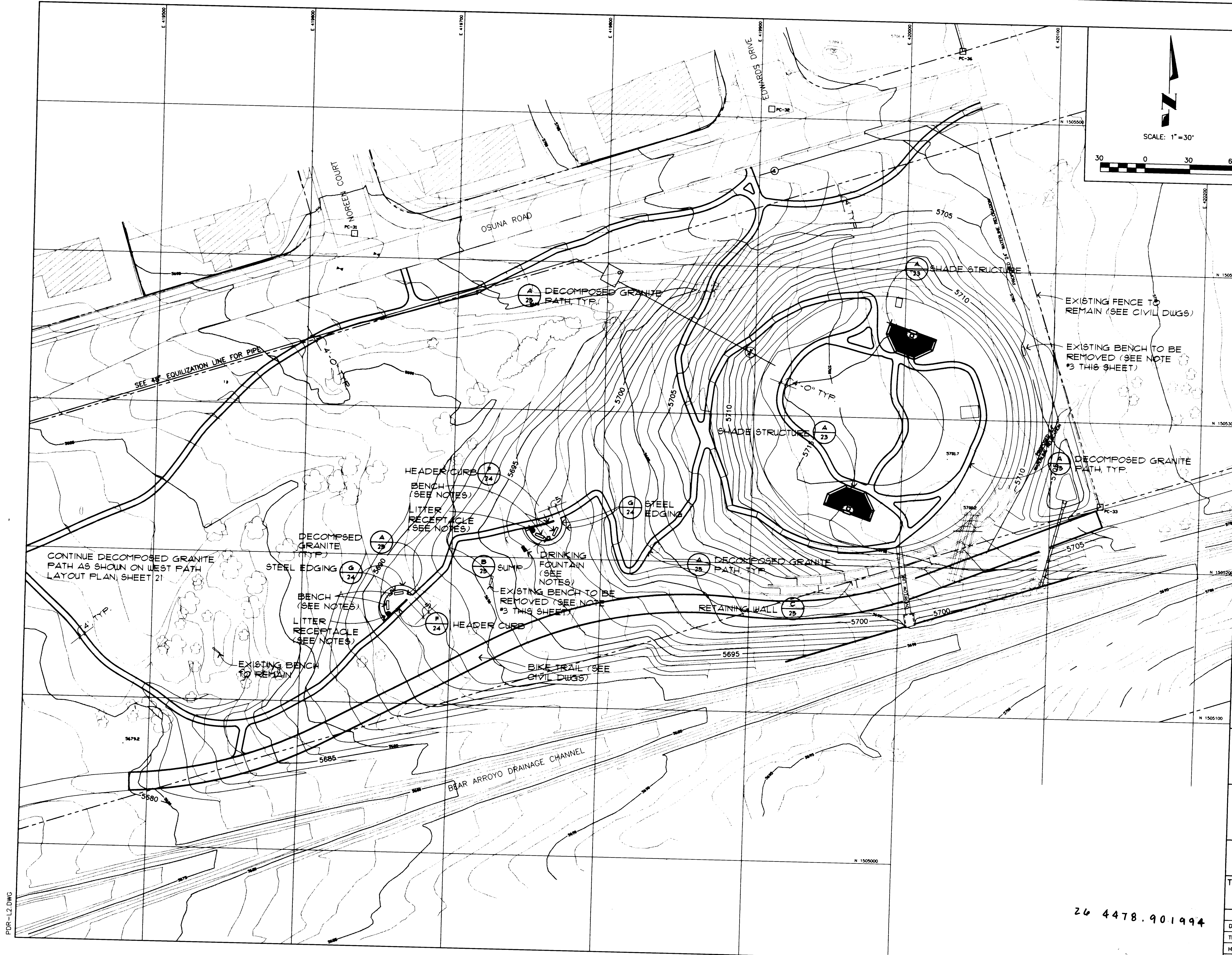
PROJECT NO. 4478.90 MAP NO. F-21 SHEET 16 OF 51



PROJECT NO.	4478.90	MAP NO.	N/A	SHEET	17	OF	51
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PEDESTRIAN TRAIL CENTERLINE COORDINATES			AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL				REMARKS										
POINT NO.	NORTH		EAST		CONTRACTOR	WORKED BY	DATE	INSPECTOR'S	DATE	ACCEPTANCE BY	DATE	DRAWINGS	DATE	CHECKED BY	DATE	RECORDED BY	DATE	NO.	BY	NO.	DATE	REVISIONS	DESIGN	DESIGNED BY	BHM	DRAWN BY	RHT	CHECKED BY	ECR
(SOP)	1	1505510.63	420047.67																										
	2	1505507.34	420040.00																										
	3	1505500.00	420027.53																										
	4	1505494.58	420020.00																										
	5	1505480.00	420004.72																										
	6	1505474.20	420000.00																										
	7	1505460.00	419985.76																										
	8	1505456.33	419980.00																										
	9	1505447.35	419960.00																										
	10	1505442.57	419940.00																										
(PCC)	11	1505441.50	419920.00																										
	12	1505442.37	419907.97																										
	13	1505446.64	419900.00																										
	14	1505460.00	419894.65																										
(EOP)	15	1505464.51	419892.86																										
(PI)	16	1505462.69	419893.58																										
(PI)	17	1505455.27	419891.37																										
(PI)	18	1505446.92	419881.52																										
	19	1505445.63	419880.00																										
	20	1505440.00	419870.68																										
	21	1505435.75	419860.00																										
	22	1505431.68	419840.00																										
	23	1505428.39	419820.00																										
	24	1505421.47	419800.00																										
	25	1505420.00	419797.31																										
	26	1505411.48	419780.00																										
	27	1505403.73	419760.00																										
	28	1505400.00	419753.22																										
	29	1505392.93	419740.00																										
	30	1505382.17	419720.00																										
	31	1505380.00	419716.06																										
	32	1505374.56	419700.00																										
(PI)	33	1505369.07	419680.95																										
(PI)	34	1505375.50	419668.64																										
(EOP)	35	1505391.43	419663.33																										
(PI)	36	1505363.24	419661.94																										
	37	1505360.00	419650.25																										
	38	1505357.66	419640.00																										
	39	1505351.28	419620.00																										
	40	1505340.41	419600.00																										
	41	1505327.52	419580.00																										
	42	1505320.00	419569.98																										



NOTES

- BENCH SHALL BE LANDSCAPE STRUCTURES MODEL NO. 882-0625, 6' BENCH W/ BACK, IN-GROUND MOUNT, BROWN, INSTALLED IN CONCRETE FOOTING PER MANUFACTURER'S DIRECTION.
- LITTER RECEPTACLE SHALL BE MATERIALS INC. 'RINCONADA 3' W/ SIDE ACCESS PANEL.
- CONTRACTOR SHALL RETURN EXISTING BENCHES TO CITY YARDS, 5501 PINO AVE N.E. CONTACT RICK TRUJILLO @ 851-8664 PRIOR TO TRANSPORTING BENCHES.
- DRINKING FOUNTAIN SHALL BE HAWS MODEL NO. 3176 PEDESTAL DRINKING FOUNTAIN.
- CONTRACTOR SHALL PROTECT EXISTING VEGETATION OUTSIDE LIMITS OF CONSTRUCTION AND SHALL REPLACE ANY DAMAGED MATERIAL W/ MATERIAL EQUAL IN SIZE AND SPECIES.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF ALBUQUERQUE PARK MANAGEMENT DIVISION (851-8650).
- CONTRACTOR SHALL PROVIDE TWO (2) 22 GA. GALV. ALUMINUM SIGNS, 2' X 2', 1/2" RADIUS @ CORNERS, W/ WHITE EXPOXY BACKGROUND & BLACK EXPOXY 'HELVEITICA REGULAR' LETTERS CENTERED ON SIGN. SECURE SIGN TO 2" OD. GALV. STEEL PIPE. SET PIPES IN 12" DIAMETER, 24" DEPTH 4000 PSI CONCRETE FOOTING BELOW GRADE. LETTERING:
BIKE TRAIL
CLOSED
USE OSUNA TRAIL
LOCATE SIGNS @ BIKE TRAIL @ WEST END OF CONSTRUCTION AREA AND @ BEGINNING OF BIKE TRAIL @ MORRIS ST.

AS BUILT INFORMATION

CONTRACTOR	DATE

BENCH MARKS

THE BENCHMARK IS A STANDARD ACS BRASS TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111

SURVEY INFORMATION

FIELD NOTES	DATE	BY

ENGINEER'S SEAL

ELIZABETH G. FISHER
14678
MECHANICAL ENGINEERING
STATE OF NEW MEXICO

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	DRAWN BY	CHECKED BY	DATE
BHM <td>RHT<td>ECR<td>12/92</td></td></td>	RHT <td>ECR<td>12/92</td></td>	ECR <td>12/92</td>	12/92

URS CONSULTANTS, INC.

210 La Veta N.E.
Albuquerque, N.M. 87106
PH: 505 268-2264 FAX: 505 268-9657

MORROW & COMPANY, LTD. LANDSCAPE ARCHITECTS

210 La Veta N.E.
Albuquerque, N.M. 87106
PH: 505 268-2264 FAX: 505 268-9657

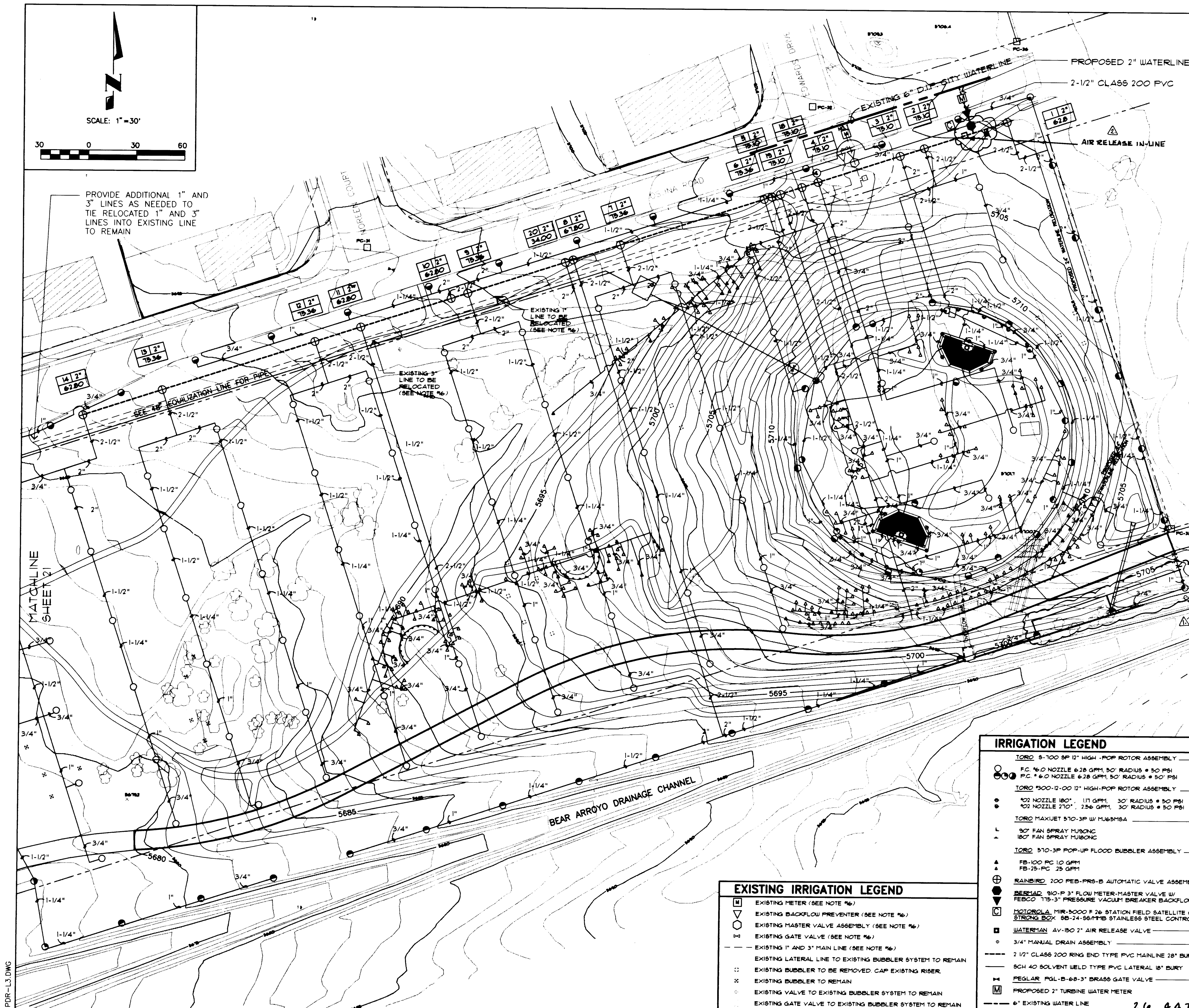
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

TITLE: PONDEROSA RESERVOIR NO. 2 LANDSCAPE CONSTRUCTION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	B.A. Haddley	12-22-92	WATER	William Balch	12-22-92
TRANSPORTATION			WASTEWATER	William Balch	12-22-92
HYDROLOGY					

PROJECT NO.	4478.90	MAP NO.	F-21	SHEET	19	OF	51
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26 4478.901994



- # IRRIGATION NOTES
1. THE CONTRACTOR SHALL INSTALL MANUAL DRAINS ON LATERAL PIPING TO INSURE COMPLETE DRAINAGE OF THE PIPING. (SEE MANUAL DRAIN ASSEMBLY.) INSTALL ONE (1) MANUAL DRAIN PER ZONE. MINIMUM LOCATION SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD. DRAIN LOCATIONS SHALL BE SHOWN ON AS-BUILT DRAWINGS.
 2. ALL VALVE BOXES FOR MANUAL DRAINS AND AUTOMATIC VALVES SHALL BE INSTALLED AT A MINIMUM OF 12" FROM EDGE OF PLANTING AREA.
 3. ALL VALVE BOXES SHALL BE SUPPORTED BY CINDER BLOCKS. (MINIMUM 2 PER VALVE BOX). INSTALL BLOCKS IN A MANNER WHICH WILL PREVENT CONTACT WITH PIPING, WIRES, VALVES, ETC.
 4. MARK ALL 24-VOLT WIRE ENDS WITH 3M STD-09 WIRE MARKER TAPE AT THE VALVE BOX AND CONTROLLER LOCATIONS.
 5. ALL 24-VOLT WIRE SHALL BE MARKED WITH A 4" WIDE YELLOW MARKER TAPE AND MARKED "WARNING-ELECTRICAL". LAY MARKER TAPE HORIZONTALLY 6" ABOVE WIRE.
 6. 24-VOLT WIRE SHALL BE IN COTTON TRENCH WITH MAINLINE AND SHALL HAVE SEPARATE SLEEVE WHERE CROSSING ALL HARD CONSTRUCTION. ALL SLEEVE PIPING FOR 24-VOLT WIRE SHALL BE 1-1/4" CLASS 200 PVC.
 7. WHERE PROPOSED PIPING CROSSES EXISTING ASPHALT AND/OR CONCRETE, THE CONTRACTOR SHALL SAW-CUT, REMOVE AND PROPERLY DISPOSE OF THE EXCAVATED ASPHALT OR CONCRETE PAVING, MAINS AND LATERALS, BACKFILL AND COMPACT TO 95%. CONTRACTOR SHALL REPLACE ASPHALT AND/OR CONCRETE TO MATCH EXISTING.
 8. THE CONTRACTOR SHALL ADJUST ALL VALVES, BUBBLERS, AND SPRINKLERS FOR OPTIMUM COVERAGE, AND SHALL PROVIDE AND INSTALL NOZZLES OTHER THAN THOSE SPECIFIED AS INSTRUCTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
 9. THE CONTRACTOR SHALL INSTALL ALL BUBBLERS ON HIGH SIDE OF TREE AND SHRUB WELLS.
 10. THE CONTRACTOR SHALL TAPE ALL SLEEVE PIPE OPENINGS USING DUCT TAPE TO PREVENT DEBRIS FROM ENTERING SLEEVES.
 11. THE CONTRACTOR SHALL WIRE 120-VOLT A.C. NEEDLE TO THE IRRIGATION CONTROLLER TO THE 120-VOLT ELECTRICAL PANEL ON TOP OF RESERVOIR. ASSOCIATED BREAKERS SHALL BE LABELED "IRRIGATION CONTROL PANEL".
 12. ALL EXISTING DISTRIBUTION AND SERVICE LINE LOCATIONS ARE SCHEMATIC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POT HOLE AND FIELD CHECK TO DETERMINE ACTUAL LOCATIONS AS AN INCIDENTAL REQUIRE TO THE CONSTRUCTION CONTRACT.
 13. THE PROPOSED CONTROLLER LOCATION INDICATED ON THE PLANS IS APPROXIMATE. ACTUAL LOCATION OF THE CONTROLLER SHALL BE DETERMINED BY OWNER'S REPRESENTATIVE IN THE FIELD.
 14. CONTRACTOR SHALL NOT INSTALL IRRIGATION SYSTEM UNTIL INSTALLATION OF RESERVOIR LINES IS COMPLETE.
 15. CONTRACTOR SHALL REMOVE EXISTING BUBBLER HEADS IN CONSTRUCTION AREA (14 EACH) AND SHALL CUP EXISTING RUBBER. CONTRACTOR SHALL MAINTAIN SERVICE TO BALANCE OF EXISTING BUBBLERS (14 EACH).
 16. PRIOR TO STARTING PROJECT CONSTRUCTION, THEREFORE RELOCATE EXISTING METER, BACKFLOW PREVENTER MASTER VALVE ASSEMBLY, AIR RELIEF VALVE, GATE VALVE, F LINE AND ASSOCIATED EQUIPMENT AS NEEDED TO PROTECT FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. CONTRACTORS SHALL MAINTAIN SERVICE TO FUND 3" AND 5" LINES THRU-OUT CONSTRUCTION. 1" AND 3" LINES MAINTAINED AT RELOCATED POSITION AFTER PROJECT COMPLETION. CONTRACTOR SHALL RELOCATE METER AND BACKFLOW PREVENTER MASTER VALVE ASSEMBLY, AND AIR RELIEF VALVE TO B.O.C. AFTER RESERVOIR LINES ARE INSTALLED AND ASSOCIATED CONSTRUCTION OPERATIONS ARE COMPLETE.
 17. CONTRACTOR SHALL FIELD ADJUST LOCATION OF IRRIGATION LINES AS NEEDED TO PROTECT EXISTING TREES AND SHRUBS.
 18. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF ALBUQUERQUE PARK MANAGEMENT DIVISION (867-8650).

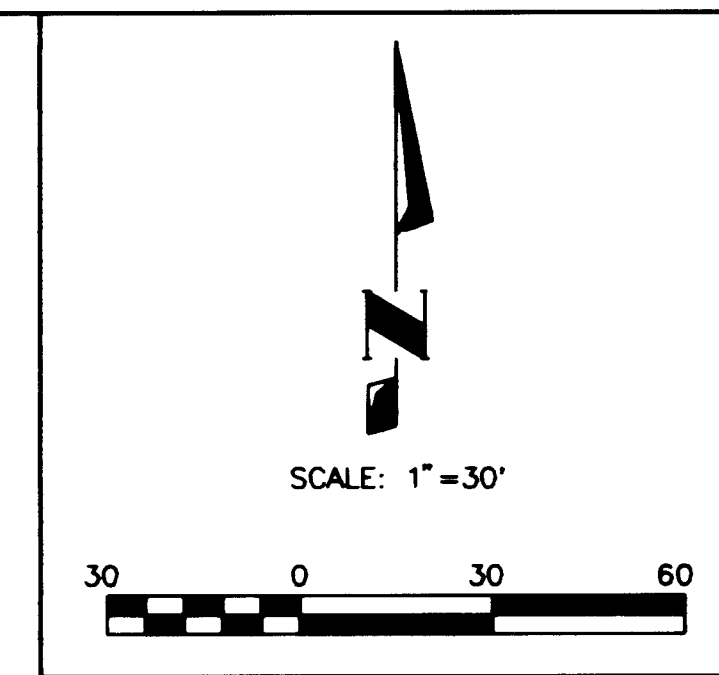
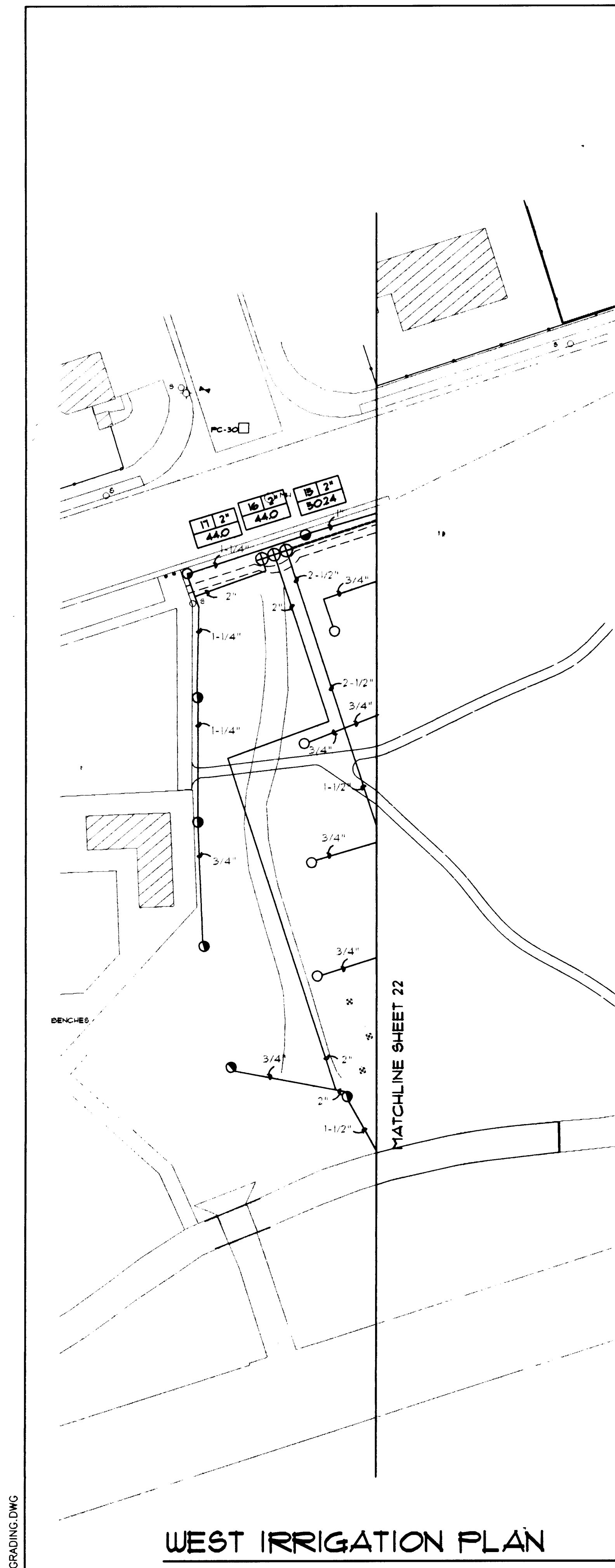
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES		CONTRACTOR	R.M.C.T. - INC.	
	BY	DATE			
		THE BENCHMARK IS A STANDARD ACS BRASS			
		TABLET STAMPED "10-G21", SET FLUSH	WORK STARTED BY	C. D. A.	DATE
		WITH THE CURB. THE BENCHMARK IS	ADJUSTED BY	G. M. H.	DATE
		LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN	FIELD		DATE
		ALBUQUERQUE, AT THE INTERSECTION OF	VERIFICATION BY	G. M. H.	DATE
			CORRECTED BY	G. M. H.	DATE
		MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E.	MICRO-FILM INFORMATION		
		ELEVATION = 5636.111	RECORDED BY		DATE
			NO.		

△	5-10-94	MODIFIED ZONE	GMH
△	5-10-94	AIR RELEASE RELIGATE	GMH
△			
NO.	DATE	REMARKS	BY
REVISIONS			
DESIGN			
DESIGNED BY	BHM	DATE	12/92
DRAWN BY	RHT	DATE	12/92
CHECKED BY	ECR	DATE	12/92

IRRIGATION LEGEND		
	TORO 5-700 SP 12" HIGH - POP ROTOR ASSEMBLY	H
	F.C. #60 NOZZLE 628 GPM, 50' RADIUS • 50 PSI	26
	P.C. #60 NOZZLE 628 GPM, 50' RADIUS • 50 PSI	H
	TORO 1900-12-00 12" HIGH-POP ROTOR ASSEMBLY	26
	"102 NOZZLE 180", 117 GPM, 30' RADIUS • 50 PSI	A
	"102 NOZZLE 270", 256 GPM, 30' RADIUS • 50 PSI	26
	TORO MAXIJET 570-3P W/ M465MSBA	B
	30" FAN SPRAY MUBONC	26
	180" FAN SPRAY MUBONC	B
	TORO 570-3P POP-UP FLOOD BUBBLER ASSEMBLY	26
	FB-100 PC 10 GPM	D
	FB-75-PC 75 GPM	26
	RAINBIRD 200 FEB-PRS-B AUTOMATIC VALVE ASSEMBLY	C
	BERMAD 910-F 3" FLOW METER-MASTER VALVE W/	26
	FEBCO 175-3" PRESSURE VACUUM BREAKFLOW ASSEMBLY	F
	MOTOROLA MIR-5000 F 26 STATION FIELD SATELLITE CONTROLLER W/	26
	STRONG BOX 86-24-56" 11B STAINLESS STEEL CONTROLLER ENCLOSURE	I
	WATERMAN AV-150 2" AIR RELEASE VALVE	26
	3/4" MANUAL DRAIN ASSEMBLY	G
	2 1/2" CLASS 200 RING END TYPE PVC MAINLINE 28" BURY	26
	5CH 40 SOLVENT WELD TYPE PVC LATERAL 18" BURY	E
	REGULAR PGL-B-60-3" BRASS GATE VALVE	26
	PROPOSED 2" TURBINE WATER METER	26
	6" EXISTING WATER LINE	26

EXISTING IRRIGATION LEGEND

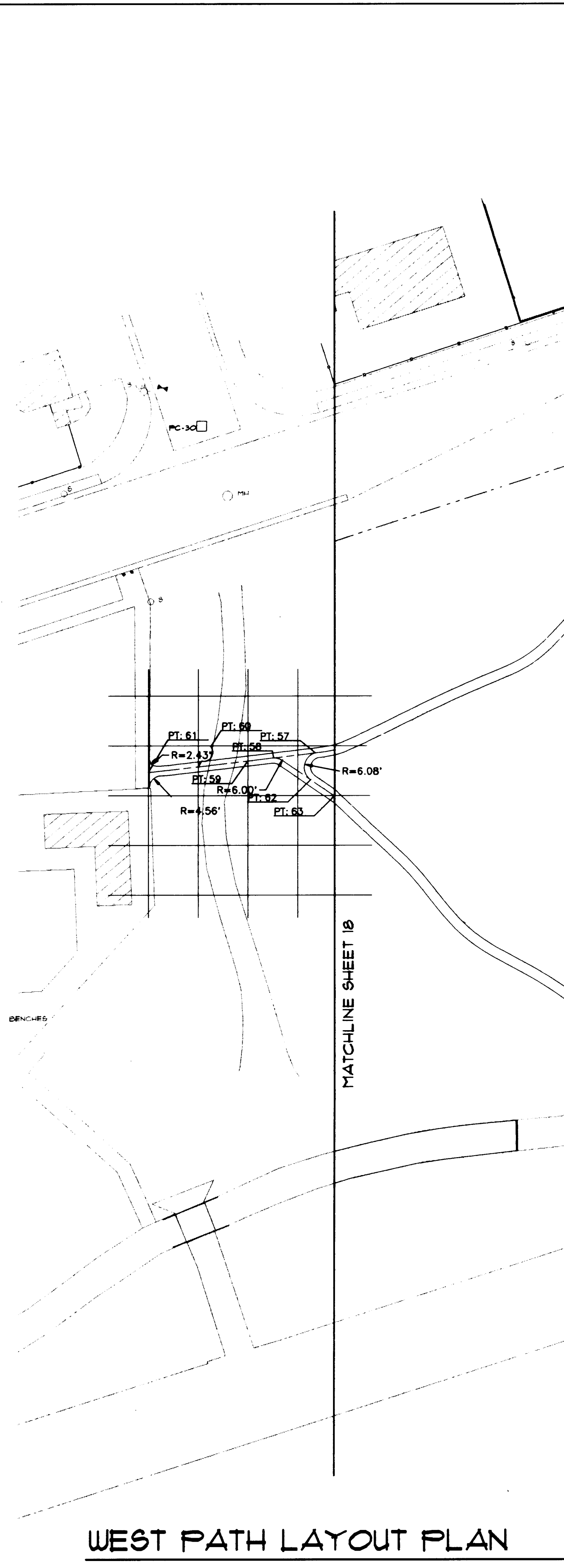
	EXISTING METER (SEE NOTE %)
	EXISTING BACKFLOW PREVENTER (SEE NOTE %)
	EXISTING MASTER VALVE ASSEMBLY (SEE NOTE %)
	EXISTING GATE VALVE (SEE NOTE %)
	EXISTING 1" AND 3" MAIN LINE (SEE NOTE %)
	EXISTING LATERAL LINE TO EXISTING BUBBLER SYSTEM TO REMAIN
	EXISTING BUBBLER TO BE REMOVED CAP EXISTING RISER
	EXISTING BUBBLER TO REMAIN
	EXISTING VALVE TO EXISTING BUBBLER SYSTEM TO REMAIN
	EXISTING GATE VALVE TO EXISTING BUBBLER SYSTEM TO REMAIN



IRRIGATION NOTES

1. SEE SHEET 20 FOR IRRIGATION NOTES AND LEGEND.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF ALBUQUERQUE PARK MANAGEMENT DIVISION (857-8580).

WEST IRRIGATION PLAN



LEGEND		
DESCRIPTION		
PT:	POINT NO.	
SOP	START OF PATH	
EOP	END OF PATH	
PI	POINT OF INTERSECTION	
POINT NO.	NORTH	EAST
(PI) 57	1505195.93	419407.23
(PI) 58	1505193.89	419390.89
59	1505192.75	419380.00
60	1505190.44	419360.00
61	1505188.13	419340.00
(PI) 62	1505185.37	419405.32
63	1505180.00	419413.12

WEST PATH LAYOUT PLAN

POINT NO.	NORTH	EAST
151	1505340.00	419931.80
152	1505346.49	419940.00
153	1505350.11	419947.78
(PI) 154	1505347.79	419960.00
155	1505342.97	419980.00
156	1505342.68	419985.79
(PI) 157	1505340.86	419991.03
(PI) 158	1505353.81	419960.00
159	1505360.00	419971.64
160	1505354.67	419980.00
(PI) 161	1505372.68	419979.52
162	1505380.57	419960.00
163	1505380.00	419955.15
164	1505376.70	419940.00
165	1505367.71	419920.00
166	1505360.00	419908.89
167	1505351.97	419900.00
168	1505340.00	419883.15
169	1505336.48	419880.00
170	1505320.00	419872.23
171	1505300.00	419869.63
172	1505296.77	419860.00
173	1505300.00	419858.67
174	1505320.00	419851.47
175	1505340.00	419849.81
176	1505360.00	419858.14
177	1505362.80	419860.00
178	1505380.00	419867.75
179	1505400.00	419877.47
180	1505402.83	419880.00
(PI) 181	1505420.00	419895.12
182	1505431.34	419900.19

PEDESTRIAN TRAIL CENTERLINE COORDINATES CONTINUED FROM SHEET 18		
POINT NO.	NORTH	EAST
(PI) 76	1505078.11	419563.61
(EOP) 77	1505068.68	419560.67
(PI) 78	1505085.41	419571.60
79	1505088.63	419580.00
80	1505100.00	419600.00
(PI) 81	1505114.12	419620.00
82	1505120.00	419625.85
83	1505136.50	419640.00
84	1505140.00	419644.28
85	1505154.27	419657.28
86	1505154.09	419660.00
87	1505160.00	419665.66
88	1505174.34	419680.00
89	1505180.00	419685.82
90	1505200.00	419699.25
91	1505202.36	419700.00
92	1505213.68	419720.00
93	1505218.88	419740.00
94	1505220.00	419744.45
95	1505219.00	419748.97
96	1505223.75	419760.00
97	1505232.33	419780.00
98	1505240.00	419790.65
99	1505240.00	419800.00
100	1505220.00	419808.45
(PI) 101	1505200.00	419813.08
102	1505200.00	419827.78
103	1505216.09	419840.00
104	1505220.00	419844.62
105	1505239.25	419860.00
106	1505240.00	419860.48
107	1505560.00	419862.14
108	1505280.00	419866.90
109	1505280.00	419871.60
110	1505260.00	419879.59
111	1505258.97	419880.00
112	1505240.00	419885.17
113	1505232.79	419900.00
114	1505221.44	419920.00
115	1505220.00	419922.40
116	1505213.34	419940.00
117	1505209.85	419960.00
118	1505210.59	419980.00
119	1505215.74	419999.33
(PI) 120	1505220.00	420004.44
121	1505234.60	420000.00
122	1505240.00	419993.28
123	1505246.06	419984.46
124	1505244.56	420000.00
125	1505223.84	420020.00
126	1505240.00	420025.46
127	1505247.08	420020.00
(PI) 128	1505263.39	420041.28
129	1505280.00	420048.09
(PI) 130	1505300.00	420054.63
131	1505320.00	420050.50
132	1505334.90	420040.00
133	1505334.14	420020.00
(PI) 134	1505334.11	420006.97
135	1505334.35	419994.80
(PI) 136	1505320.00	419993.91
137	1505301.90	420000.00
138	1505300.00	420000.89
139	1505285.11	420000.00
140	1505280.00	419997.68
(PI) 141	1505260.00	419982.78
142	1505254.32	419980.44
(PI) 143	1505251.68	419975.61
(PI) 144	1505257.00	419960.00
145	1505260.00	419955.91
146	1505280.00	419942.83
147	1505282.41	419940.00
148	1505300.00	419920.00
149	1505320.00	419919.46
150	1505321.42	419920.00

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CONSULTANTS, INC.

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 268-2286 FAX: 505 268-9837

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:		
PONDEROSA RESERVOIR NO. 2 WEST IRRIGATION PLAN AND WEST PATH LAYOUT PLAN		
APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B. G. Anderson</i>	12-22-92
TRANSPORTATION	<i>A. A. C. 12-22-92</i>	12-22-92
HYDROLOGY	<i>12-22-92</i>	12-22-92

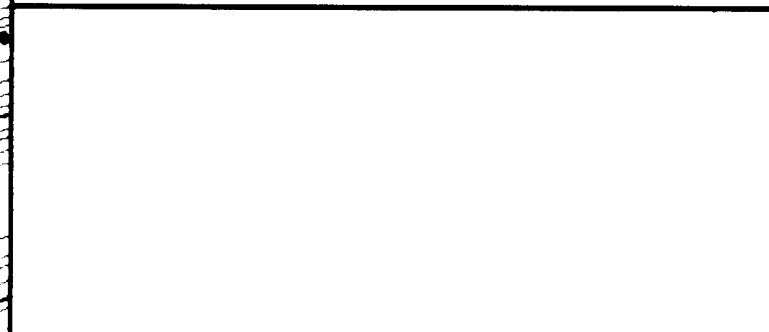
PROJECT NO.	4478.90	MAP NO.	F-21	SHEET	21	OF	51
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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE		BY		DATE		REMARKS		NO.		DATE
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NOTES

- SEE SHEET 21 FOR PLANT LEGEND AND PLANTING DETAILS.
- IN CASE OF A DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION.
- IF THERE IS A DISCREPANCY IN THE FIELD OR THE NURSERY PLANTS BETWEEN THE CONTAINER SIZE CALLED UNDER "COMMENTS" AND THE CALIPER, HEIGHT, AND/OR SPREAD CALLED OUT UNDER "SIZE". THE SPECIFIED TREE MUST MEET THE CALIPER, HEIGHT, AND SPREAD REQUIREMENTS SPECIFIED UNDER "SIZE". EVEN IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL SEED ALL AREAS DISTURBED DURING CONSTRUCTION OPERATIONS, INCLUDING BUT NOT LIMITED TO, AREAS TRENCHED FOR INSTALLATION OF PROPOSED IRRIGATION SYSTEM AND AREAS DISTURBED FOR INSTALLATION OF PEDESTRIAN PATH.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF ALBUQUERQUE PARK MANAGEMENT DIVISION (857-8650).



REVISIONS	
NO.	DATE
1	12/22/92
2	12/22/92
3	12/22/92

URS
CONSULTANTS, INC.

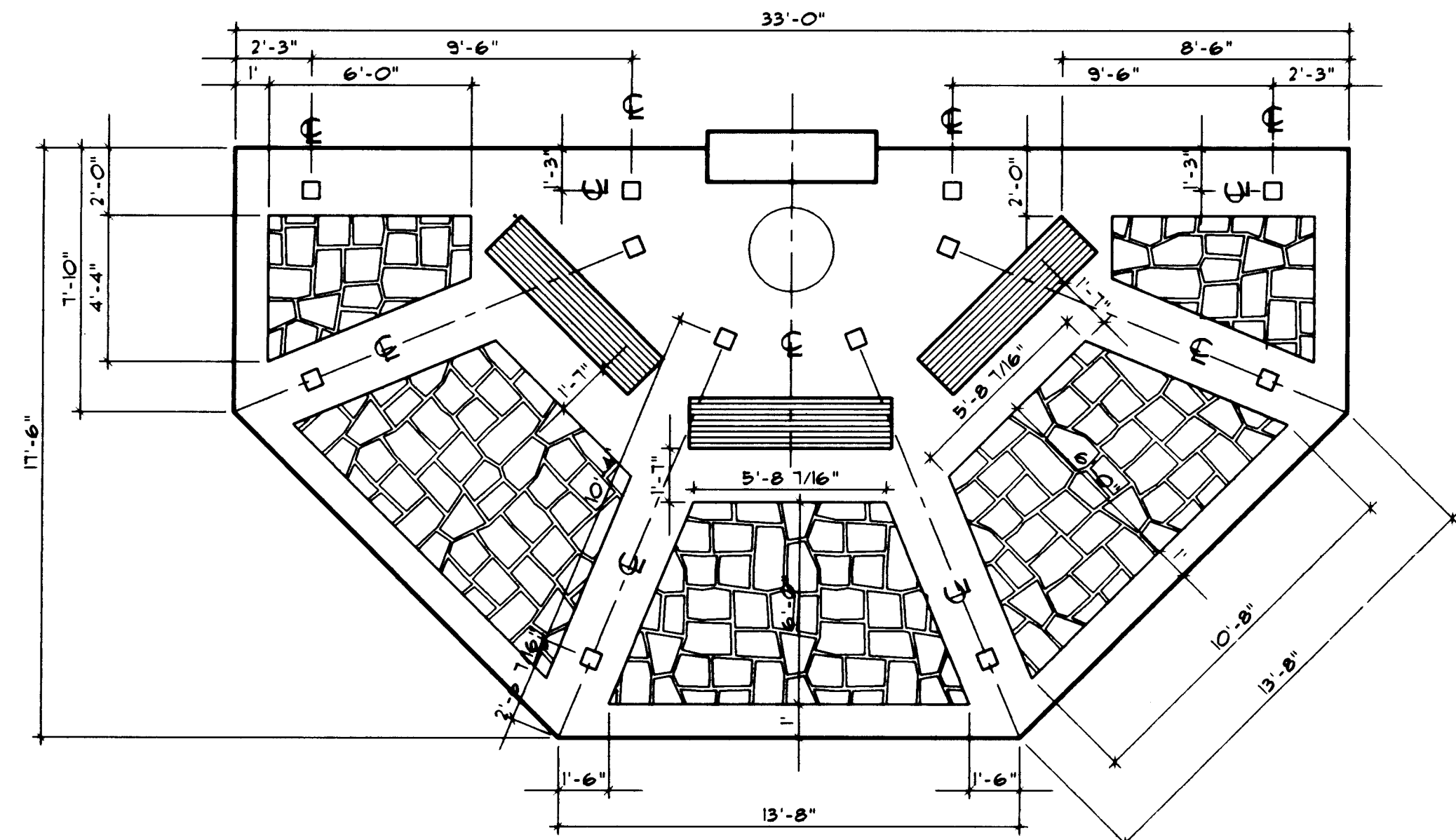
MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 266-2266 FAX: 505 265-9637

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

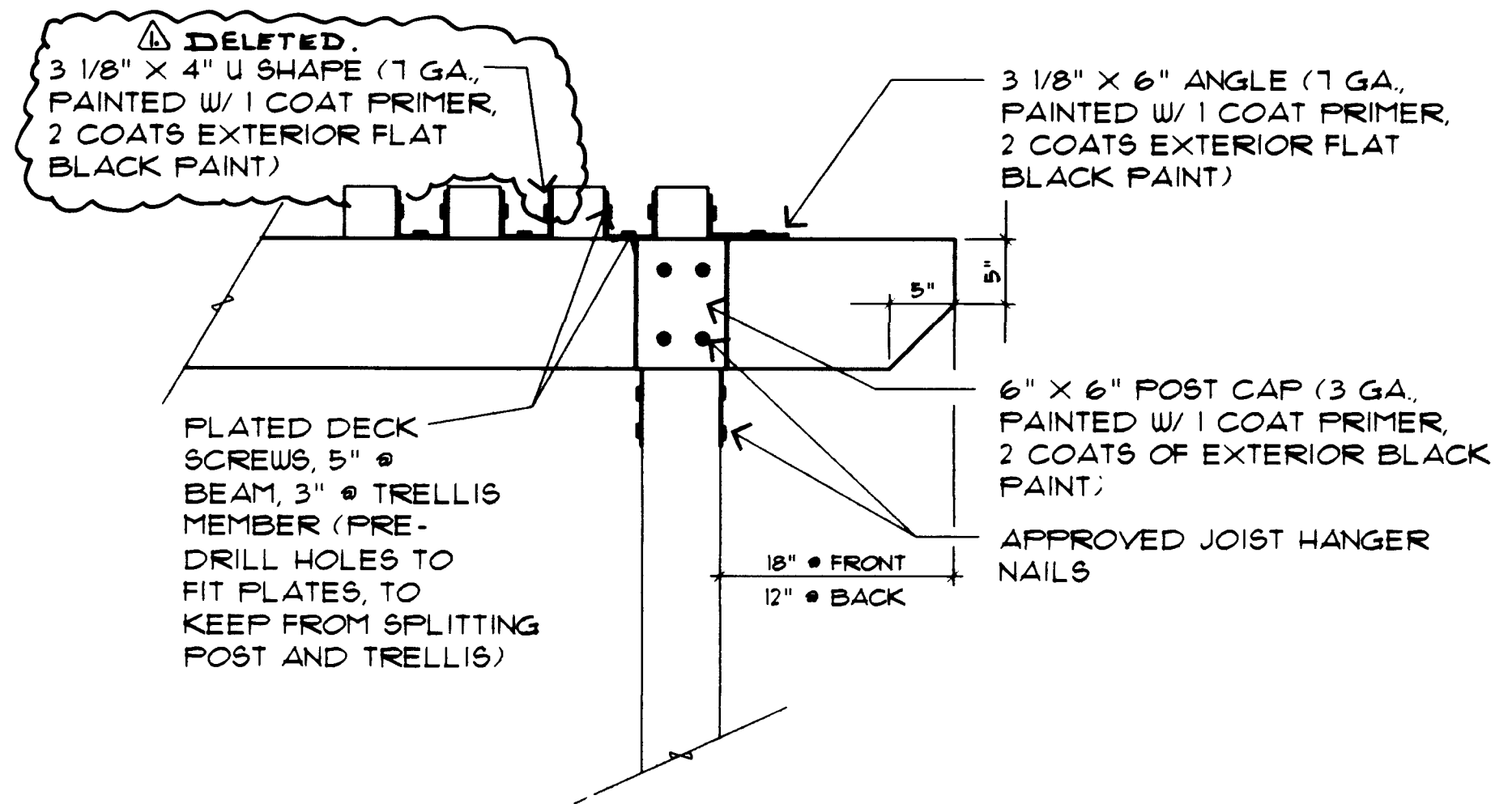
TITLE: **PONDEROSA RESERVOIR NO. 2 PLANTING PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12/22/92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12/22/92			

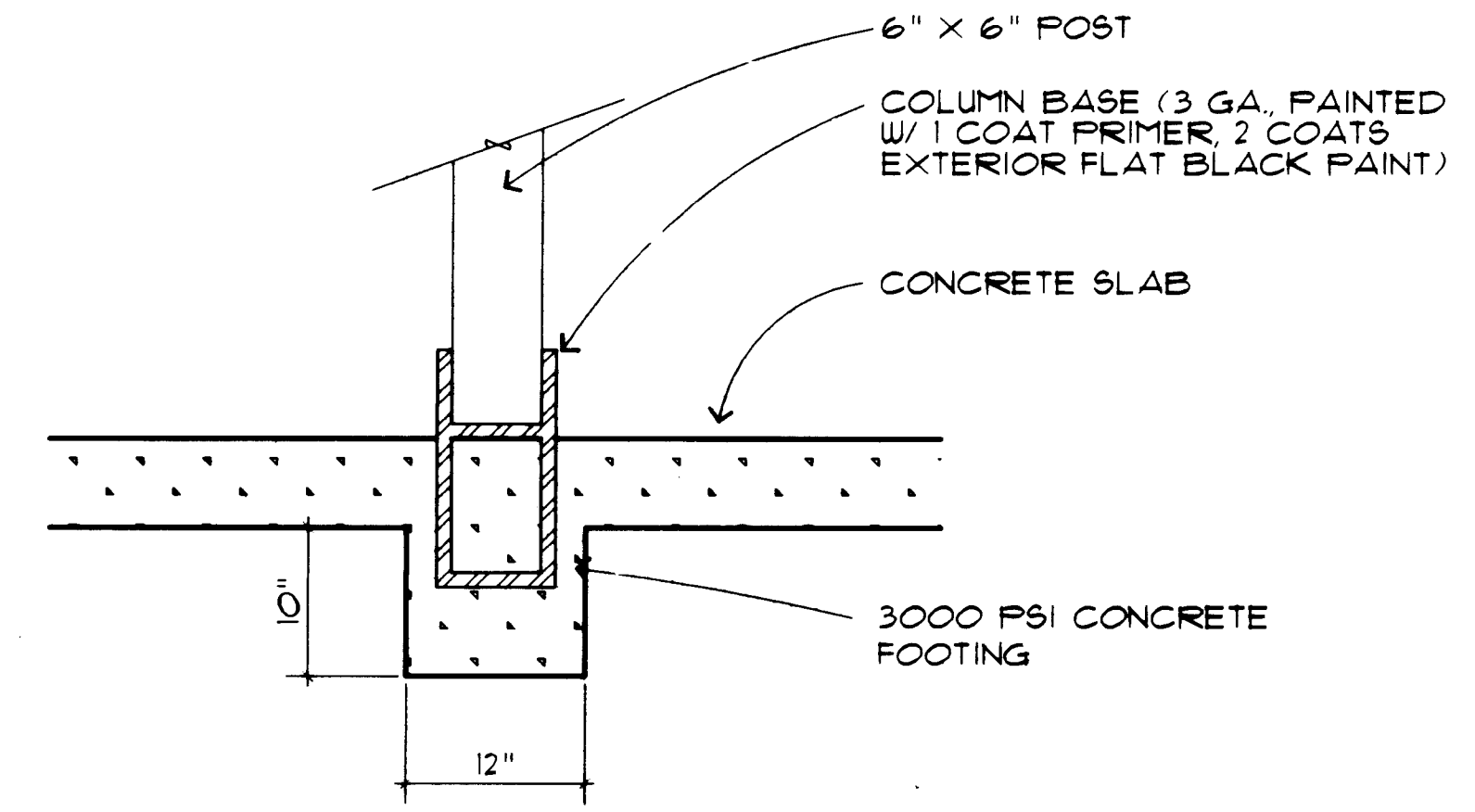
PROJECT NO. 4478.90 MAP NO. F-21 SHEET 22 OF 51



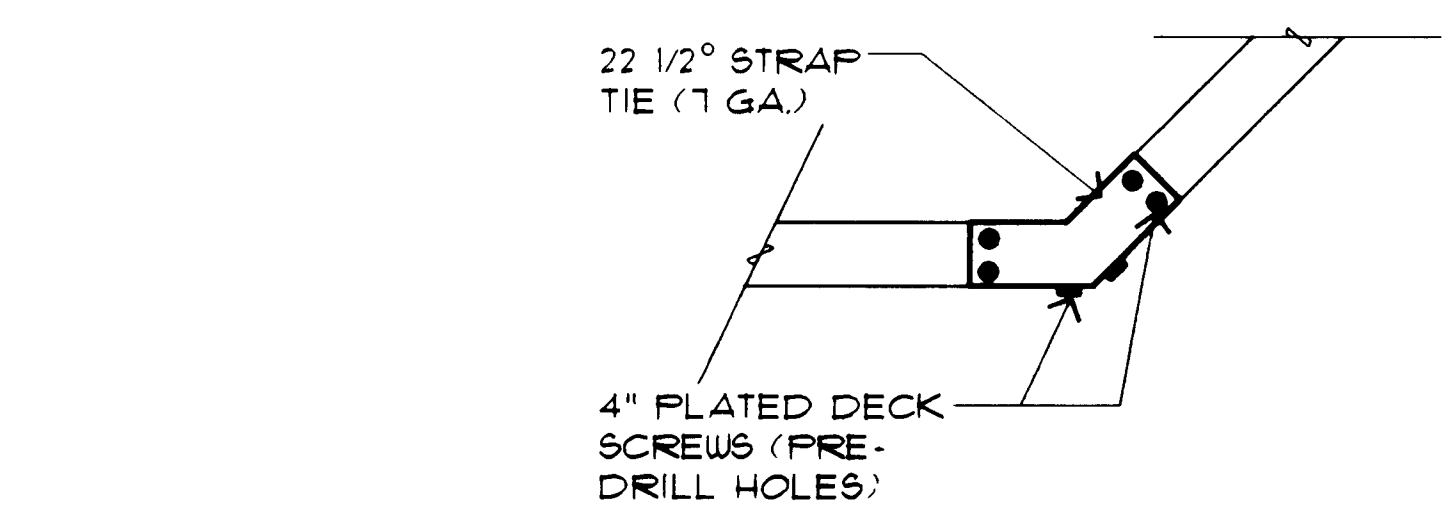
A
24
SHADE STRUCTURE: DIMENSION PLAN
SCALE: 1/4" = 1'-0"



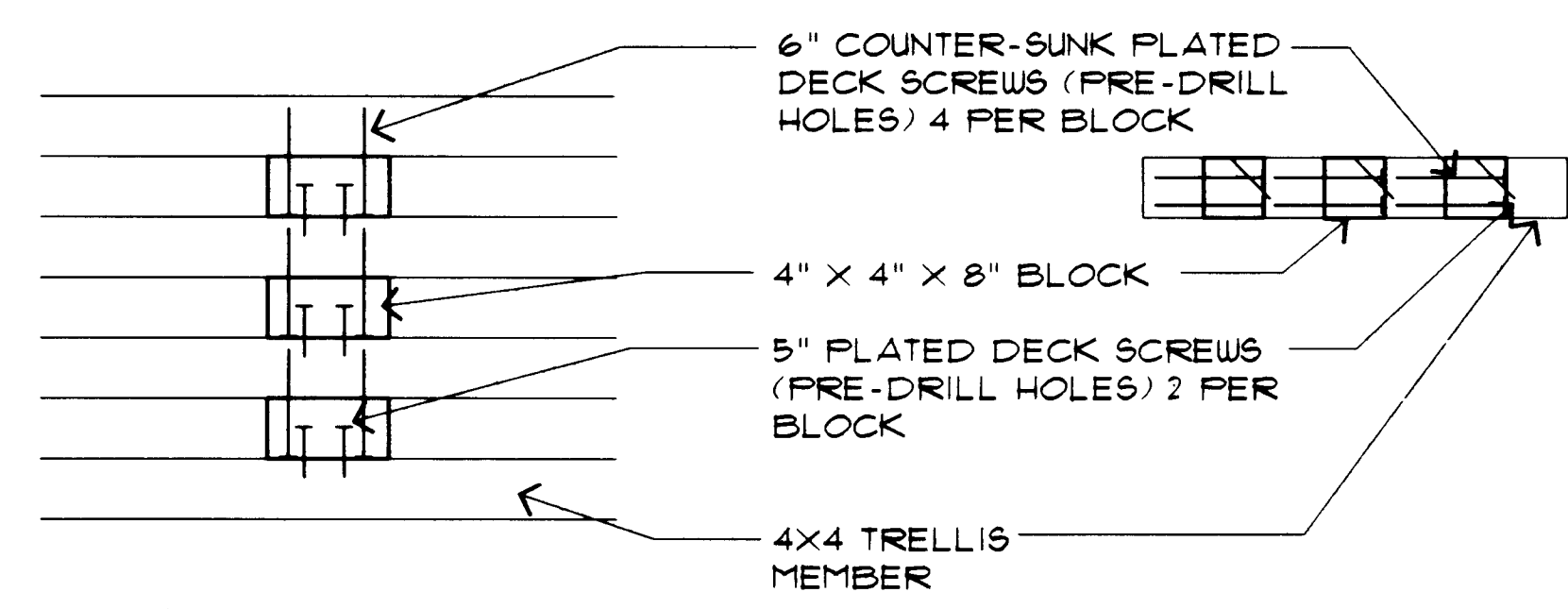
C
24
POST/BEAM/TRELLIS CONNECTION
SCALE: 1" = 1'-0"



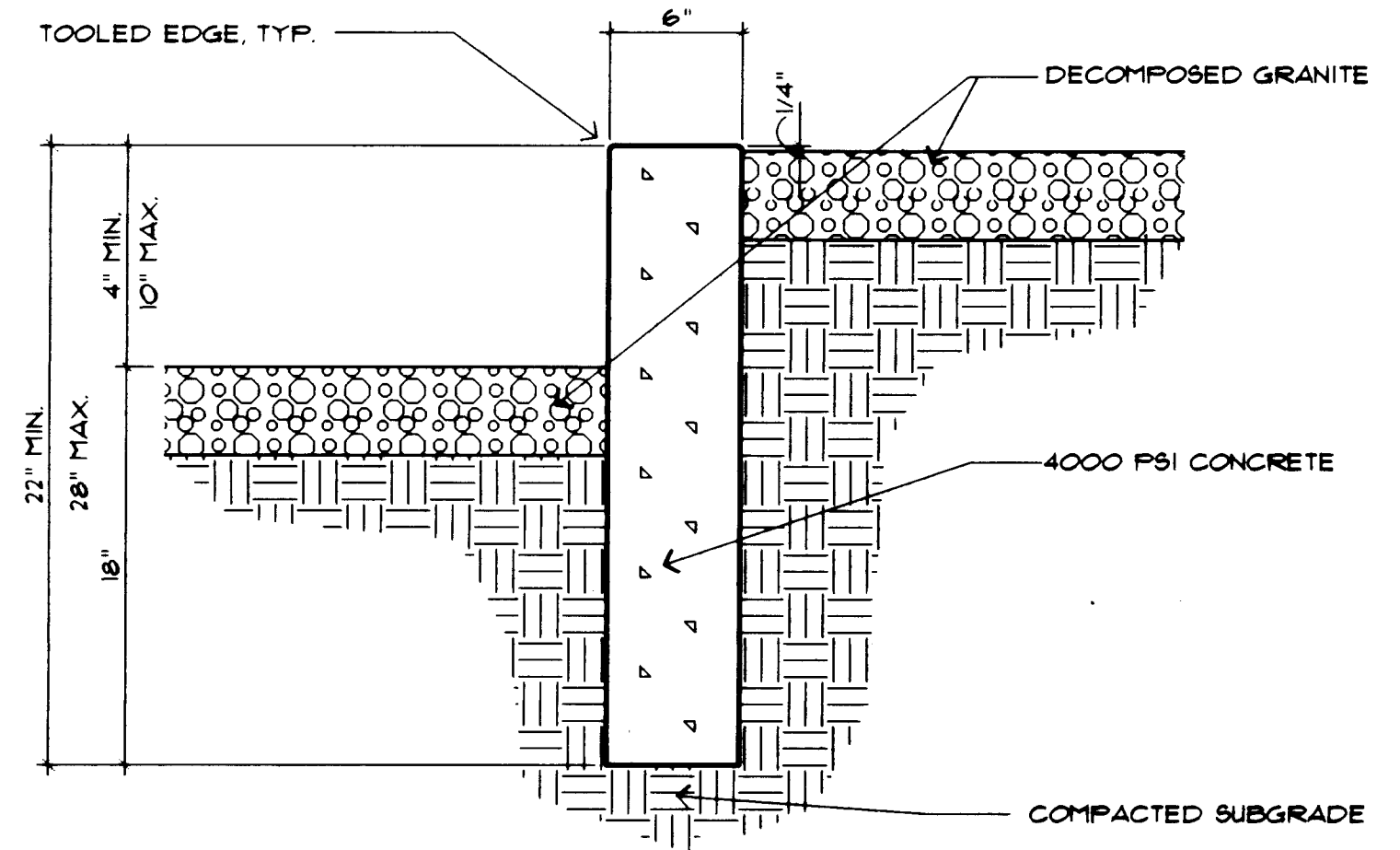
B
24
POST BASE CONNECTION AND FOOTING
SCALE: 1" = 1'-0"



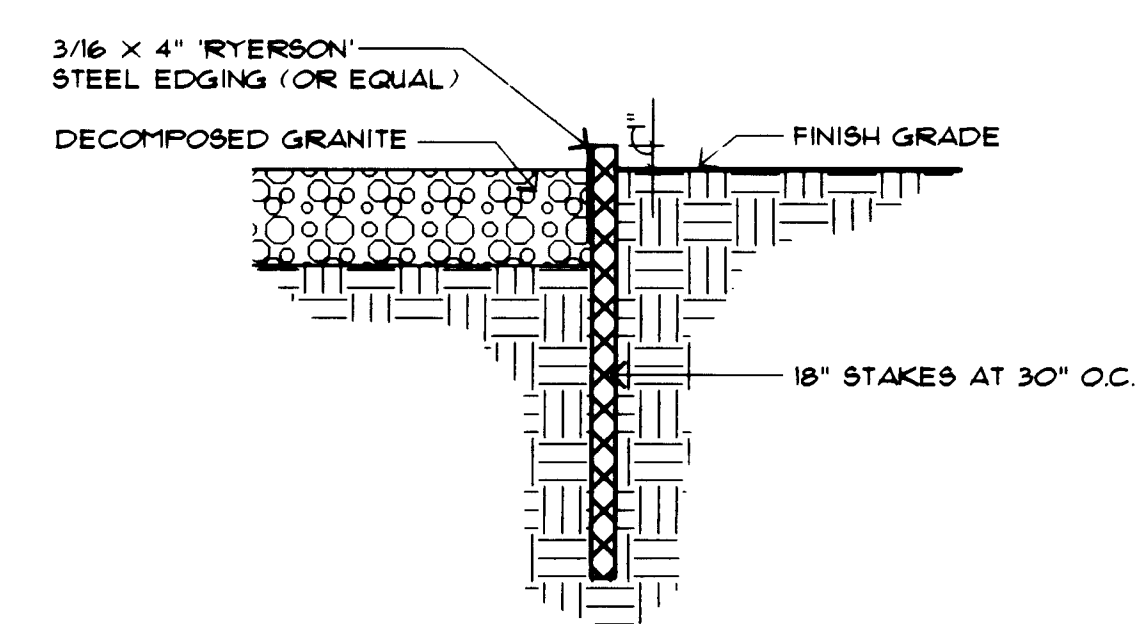
D
24
TOP OF TRELLIS CONNECTION
SCALE: 1" = 1'-0"



E
24
TRELLIS BLOCK CONNECTION
SCALE: 1" = 1'-0"

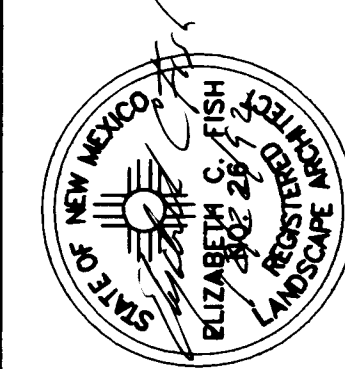


F
24
HEADER CURB • SEATING AREAS
SCALE: 1 1/2" = 1'-0"



G
24
STEEL EDGING • SEATING AREAS
SCALE: 1 1/2" = 1'-0"

ENGINEER'S SEAL										SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION							
										FIELD NOTES													
										BY		DATE											
										NO.													
RECORD DRAWING		5-10-94		"L" CLIPS DELETED		BWH																	
NO.		DATE		REMARKS		BY																	



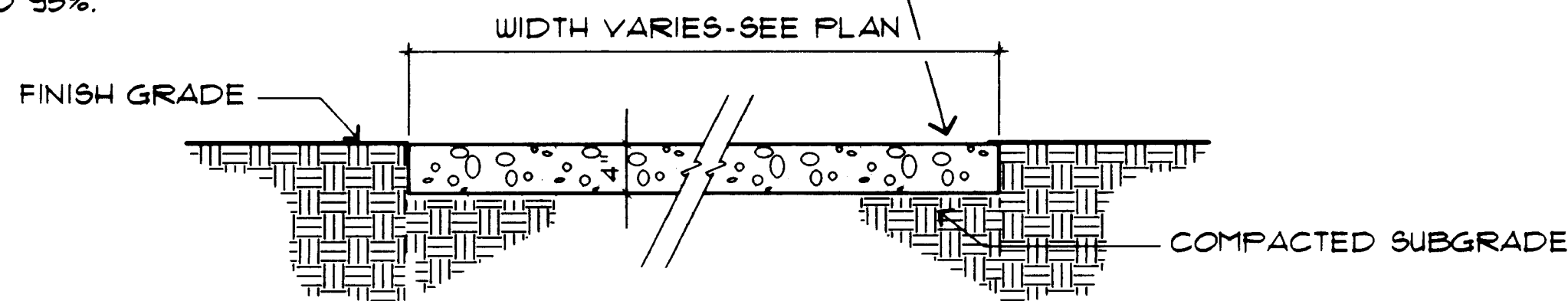
URS
CONSULTANTS, INC.

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87106
PH: 505 266-2266 FAX: 505 266-9837

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: PONDEROSA RESERVOIR NO. 2 SHADE STRUCTURE & SEATING AREA DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12-22-92			
Parks	<i>[Signature]</i>	12-22-92			
PROJECT NO.	4478.90	MAP NO.	F-21	SHEET	OF
				24	51

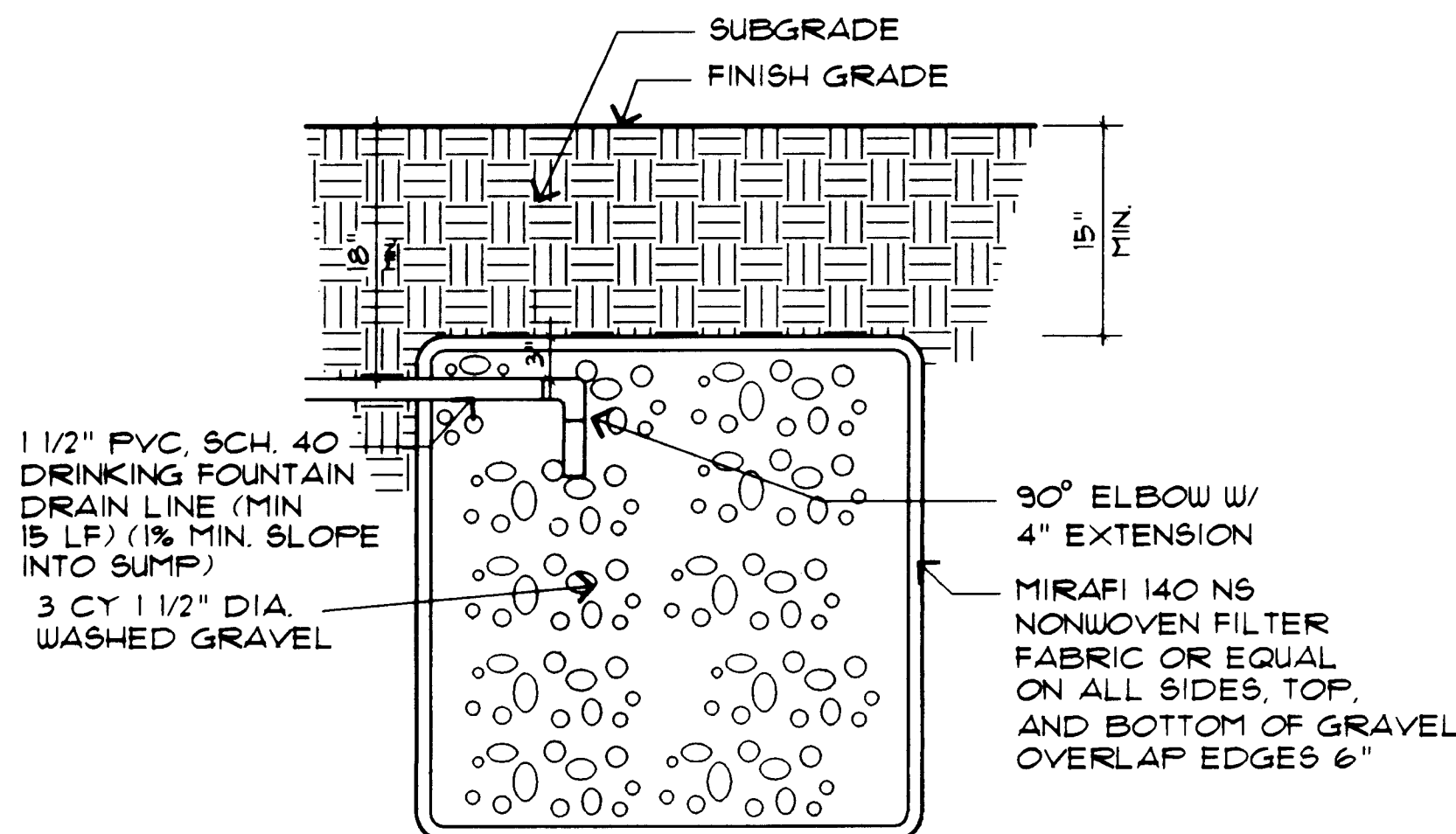
2,6 4478.9024.94

1/4" MINUS DECOMPOSED GRANITE W/
'STABILIZER' (OR EQUAL) BINDER. BLEND
'STABILIZER' THOROUGHLY AND UNIFORMLY
THRU DECOMPOSED GRANITE @ 10 LBS.
STABILIZER PER TON OF DECOMPOSED
GRANITE. APPLY IN 2" LIFTS @ 1 TON PER
100 SF PER LIFT. GRADE AND SMOOTH TO
CONTOURS SHOWN ON GRADING PLAN.
APPLY WATER TILL MOISTURE PENETRATES
TO FULL DEPTH OF MATERIAL. COMPACT
TO 95%.



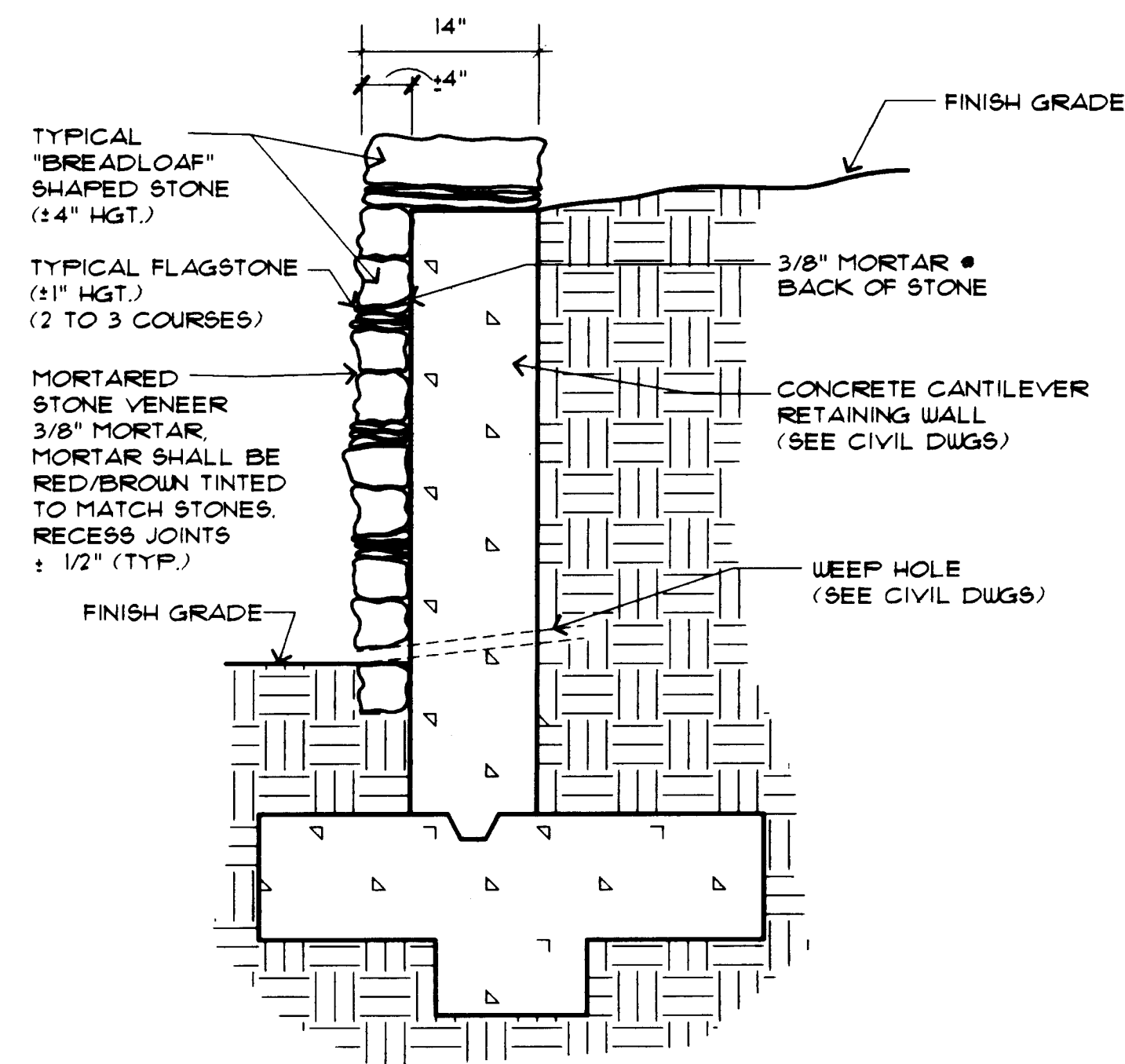
A
25
DECOMPOSED GRANITE PATH

0 0.5 1 2 3
SCALE: 1" = 1'-0"



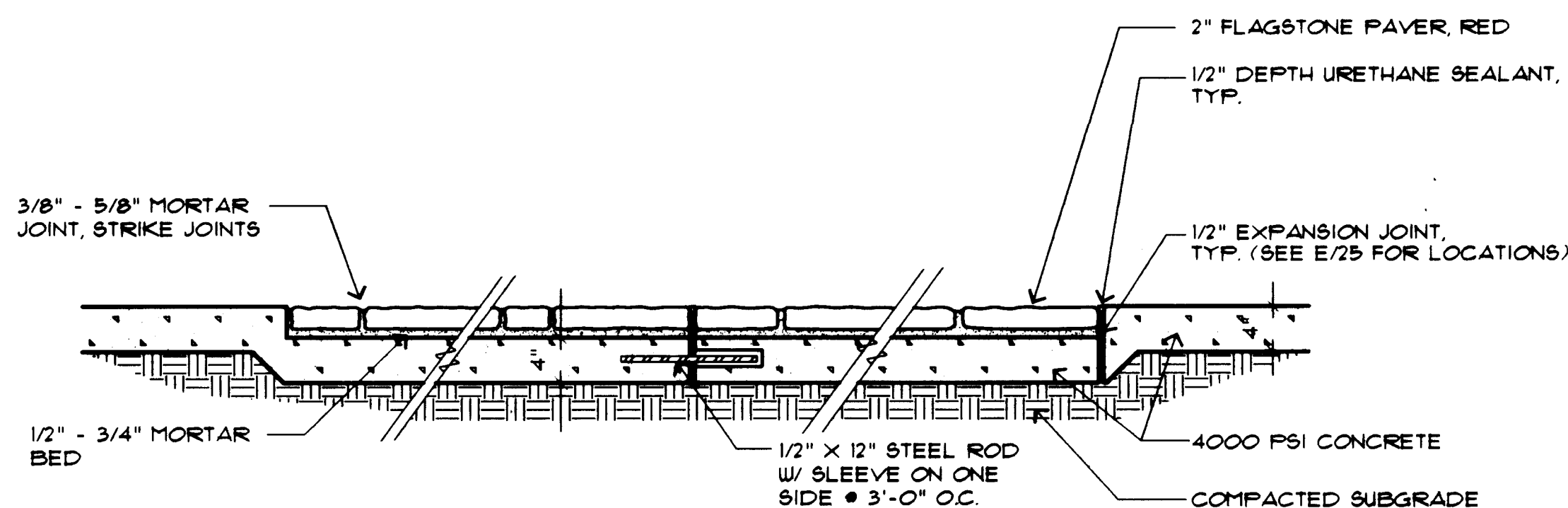
B
25
DRINKING FOUNTAIN SUMP

0 0.5 1 2 3
SCALE: 1 1/2" = 1'-0"



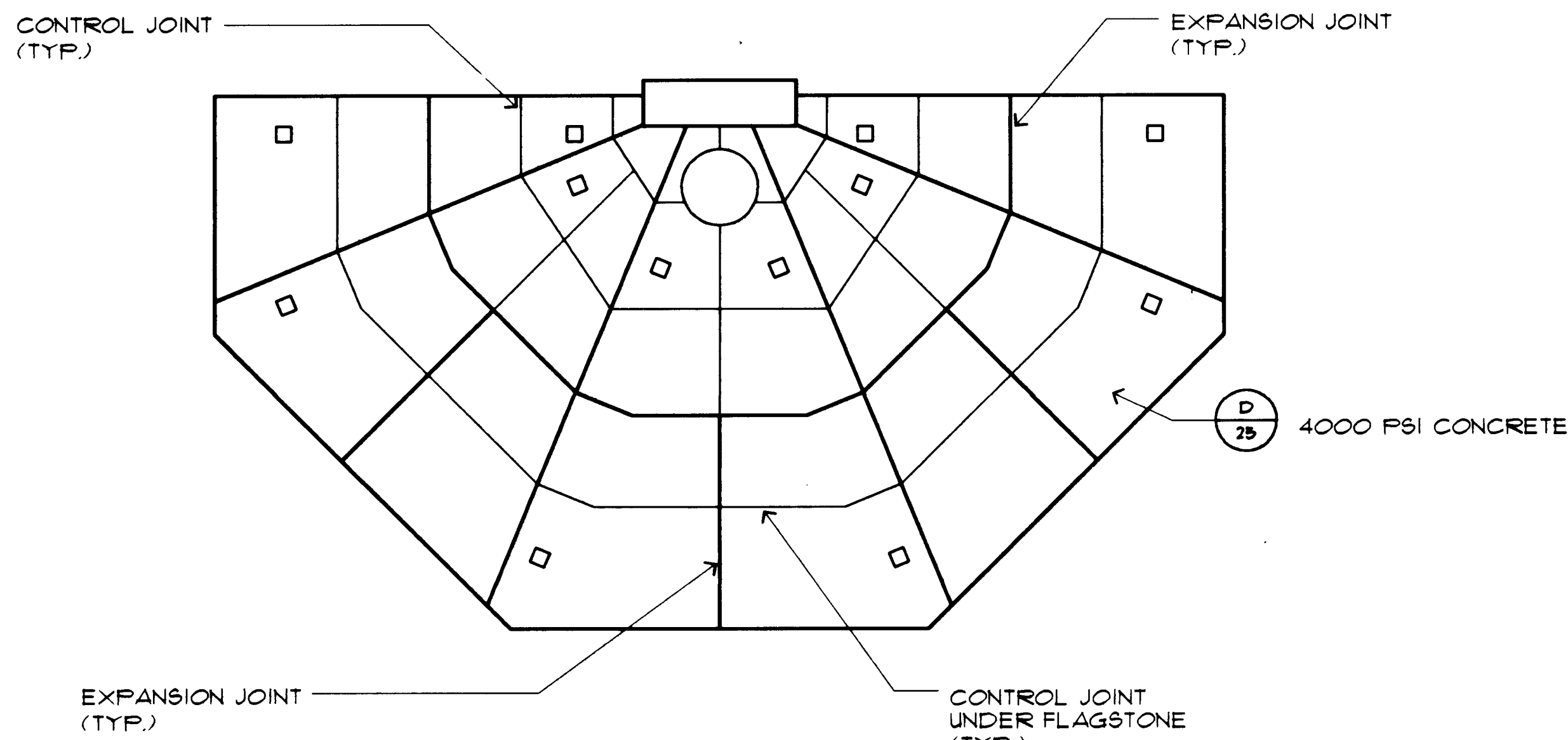
C
25
STONE VENEER • RETAINING WALL

0 0.5 1 2 3
SCALE: 1" = 1'-0"



D
25
CONCRETE/FLAGSTONE PAVING • SHADE STRUCTURE

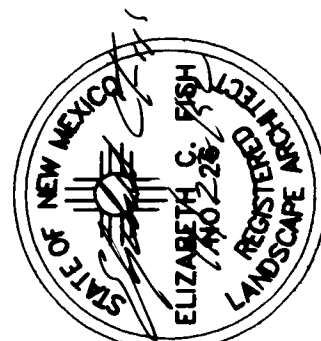
0 0.5 1 2 3
SCALE: 1" = 1'-0"



E
25
JOINT PATTERN • SHADE STRUCTURE

0 2 4 8 12
SCALE: 1/4" = 1'-0"

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		NO.	
CONTRACTOR	DATE	STAKED BY	DATE	NO.	BY	DATE	NO.	BY	DATE
INSPECTOR'S	DATE	FIELD	DATE						
VERIFICATION BY	DATE								
CORRECTED BY	DATE								
MICRO-FILM INFORMATION									
RECORDED BY	DATE								
NO.									



REVISIONS		REMARKS		BY	
NO.	DATE				
DESIGNED BY	BHM	DATE	12/92		
DRAWN BY	RHT	DATE	12/92		
CHECKED BY	ECR	DATE	12/92		

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MORROW & COMPANY, LTD.
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

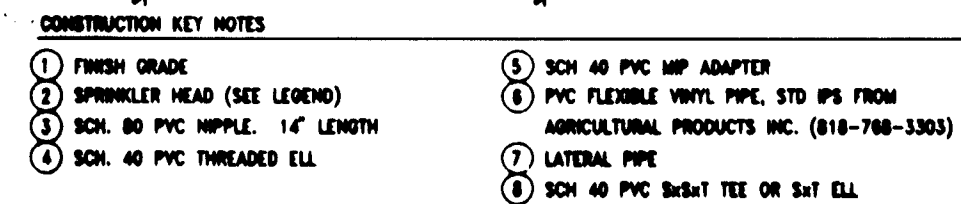
TITLE:
**PONDEROSA RESERVOIR NO. 2
LANDSCAPE CONSTRUCTION DETAILS**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>William Balch</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>William Balch</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12-22-92			

PROJECT NO.	4478.90	MAP NO.	F-21	SHEET	25	OF	51
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210 4478.90 12/92 15/94

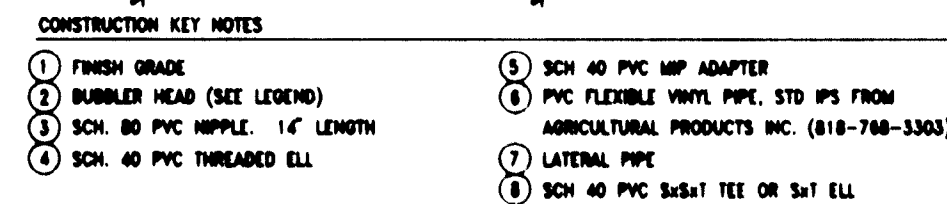
SCANNED BY
BY LASON



GENERAL NOTES

- 1 THIS DETAIL SHALL BE USED FOR POP-UP POWER SPRAY HEADS.
- 2 LATERAL LINE PRESSURE TESTING SHALL BE COMPLETED PRIOR TO INSTALLATION OF FLEX PIPE ASSEMBLY.
LATERAL LINE TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TESTS AND ELLS.
- 3 TOP OF SPRINKLER HEAD SHALL BE SET FLUSH WITH FINISH GRADE.

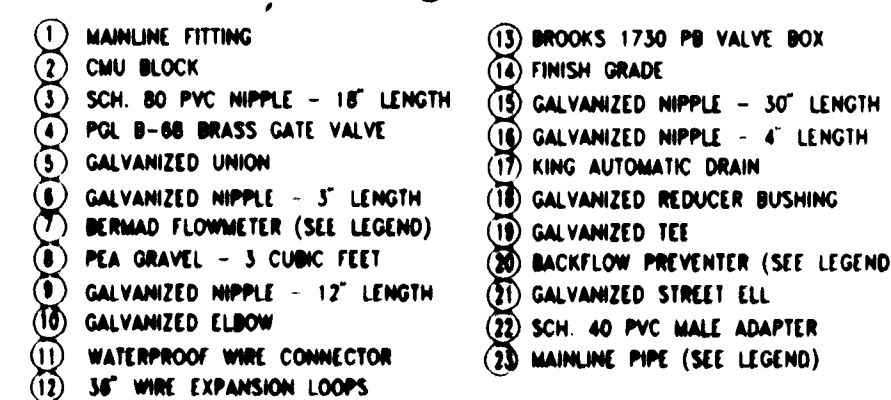
NTS



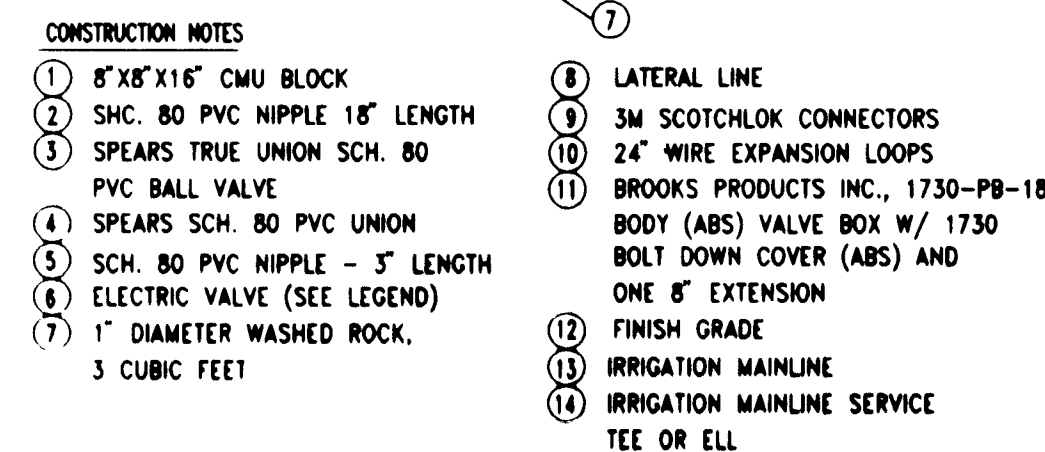
GENERAL NOTES

- 1 THIS DETAIL SHALL BE USED FOR POP-UP BUBBLER HEADS.
- 2 LATERAL LINE PRESSURE TESTING SHALL BE COMPLETED PRIOR TO INSTALLATION OF FLEX PIPE ASSEMBLY.
LATERAL LINE TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELBS.
- 3 TOP OF BUBBLER HEAD SHALL BE SET FLUSH WITH FINISH GRADE.

NTS



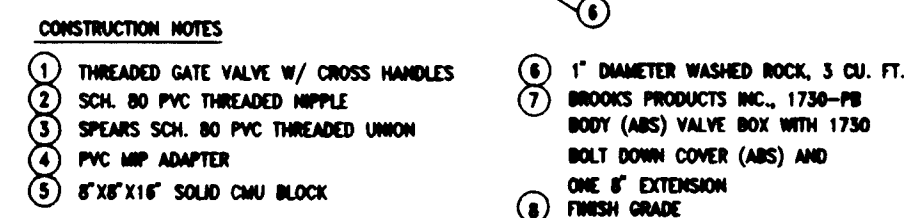
N.Y.S.



GENERAL NOTES

1. INSTALLED ON 8"X8"X16" SOLID CMU BLOCK AT EACH CORNER OF THE VALVE BOX
2. WASHED ROCK SHALL BE FLUSH WITH BOTTOM OF PIPE AND VALVE

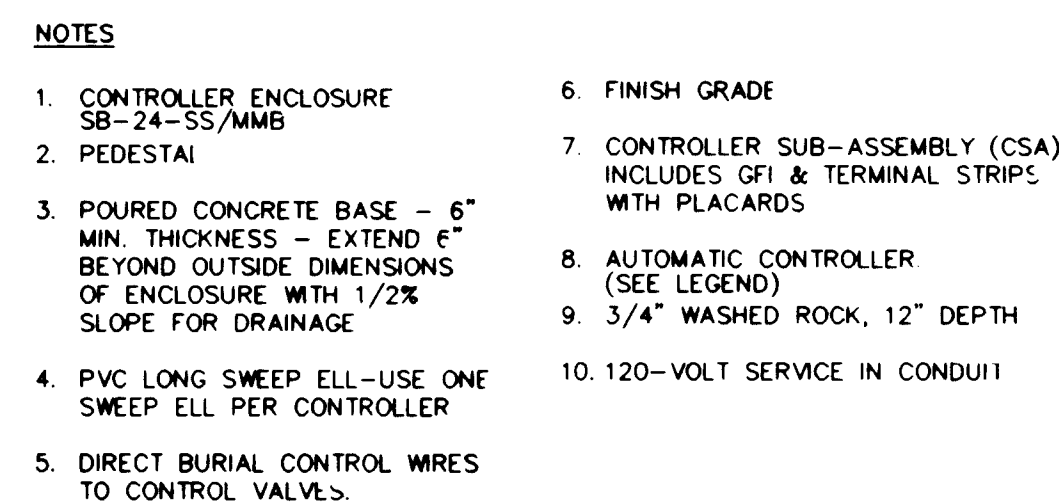
W. F.



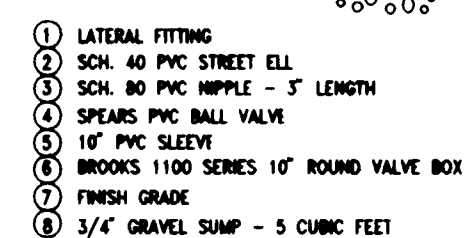
GENERAL NOTES

1. INSTALL AN 8"X8"X16" SOLID CMU BLOCK AT EACH CORNER OF VALVE BOX
2. WASHED ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE AND VALVE.

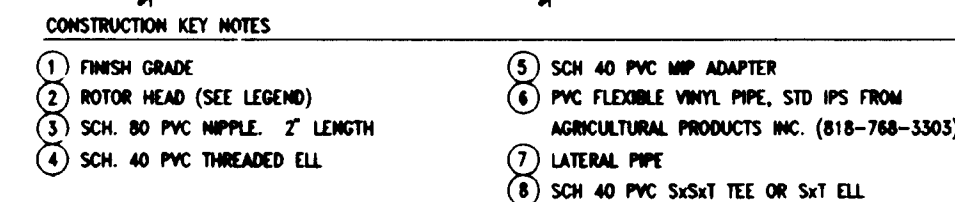
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1122



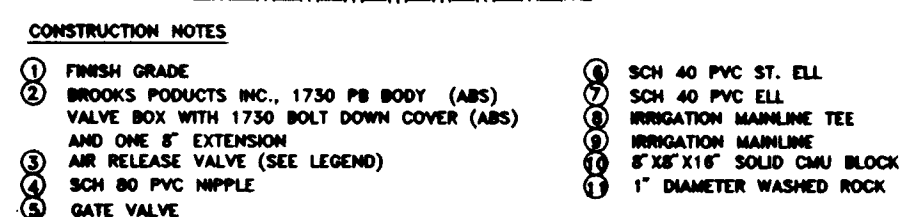
NTS



GENERAL NOTES

- 1 THIS DETAIL SHALL BE USED FOR POP-UP TURF HEADS.
- 2 LATERAL LINE PRESSURE TESTING SHALL BE COMPLETED PRIOR TO INSTALLATION OF FLEX PIPE ASSEMBLY. LATERAL LINE TESTING SHALL BE ACCOMPLISHED BY INSTALLING A PLUG IN THE OUTLET OF LATERAL LINE TEES AND ELBS.
- 3 TOP OF SPRINKLER HEAD SHALL BE SET FLUSH WITH FINISH GRADE.

1.1



GENERAL NOTES

1. INSTALL AN 8"x8"x16" SOLID CMU BLOCK AT EACH CORNER OF VALVE BOX.
2. WASHED ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF GATE VALVE.
3. AIR RELEASE VALVE SHALL BE INSTALLED DOWNSTREAM OF THE MASTERVALVE.

M.T.S.

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CONSULTANTS, INC.

 **MORROW & COMPANY, LTD.**
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 266-2266 FAX: 505 266-9631

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

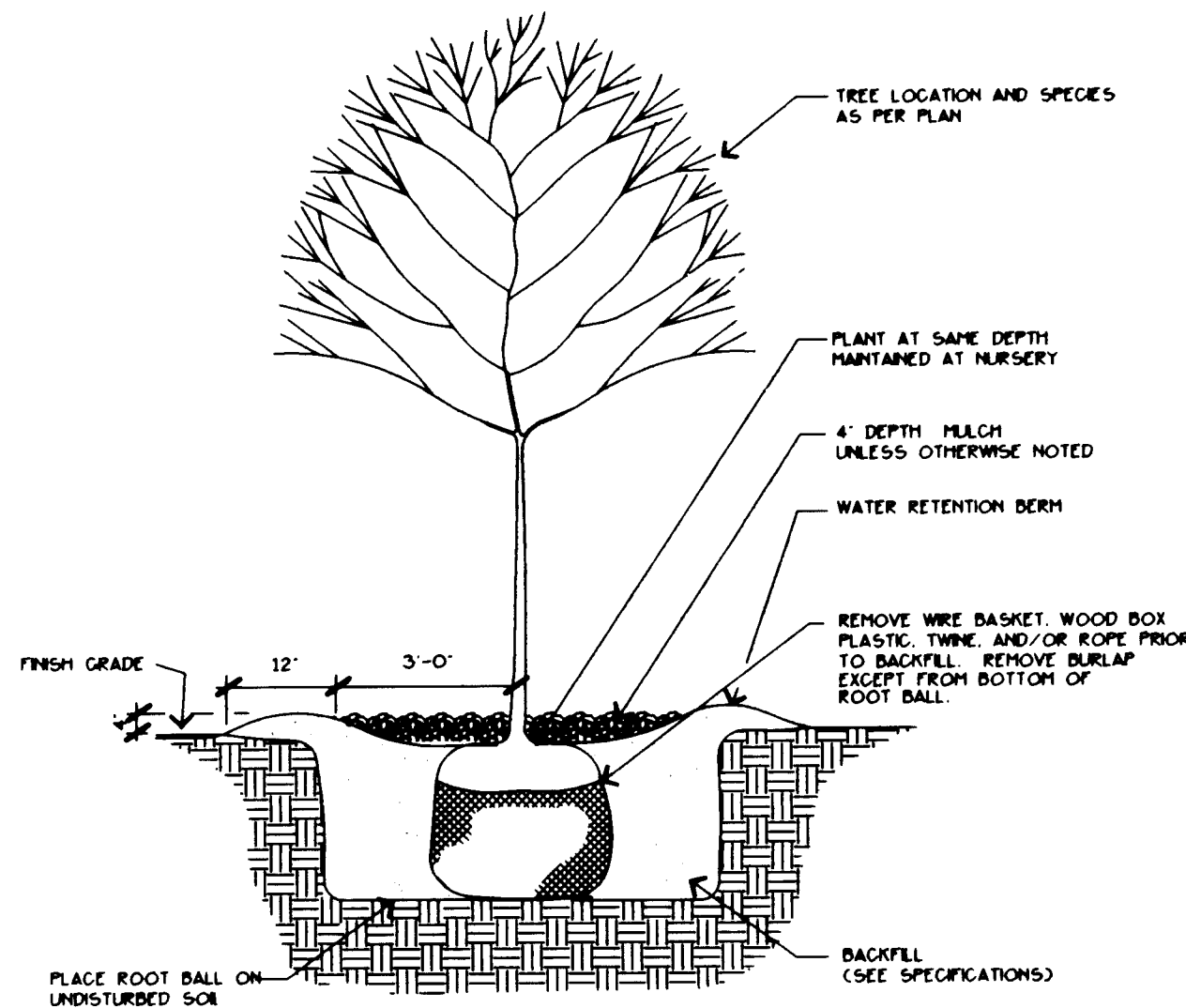
TITLE:	PONDEROSA RESERVOIR NO. 2 IRRIGATION DETAILS
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APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Bill Belsky</i>	12-22-92	WATER	<i>William Balch</i>	12-22-92
TRANSPORTATION	<i>W. B. RLY</i>	12-22-92	WASTEWATER	<i>William Balch</i>	12-22-92
HYDROLOGY	<i>Bill Belsky</i>	12-22-92			
PERMS	<i>Bill Belsky</i>	12-22-92			

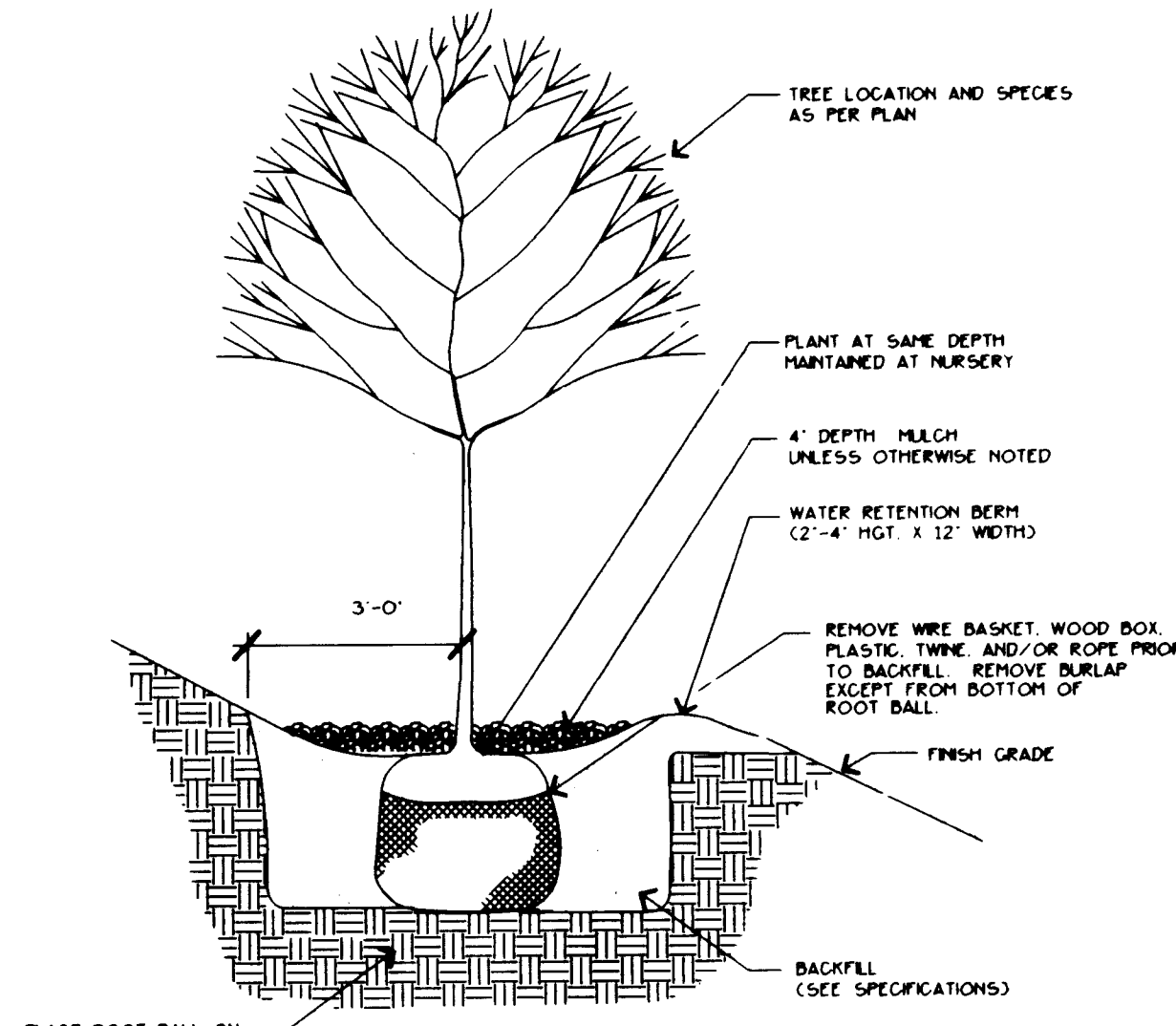
PROJECT NO.	4478.90	MAP NO.	F-21	SHEET	26	OF	51
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26 4478..90269.4

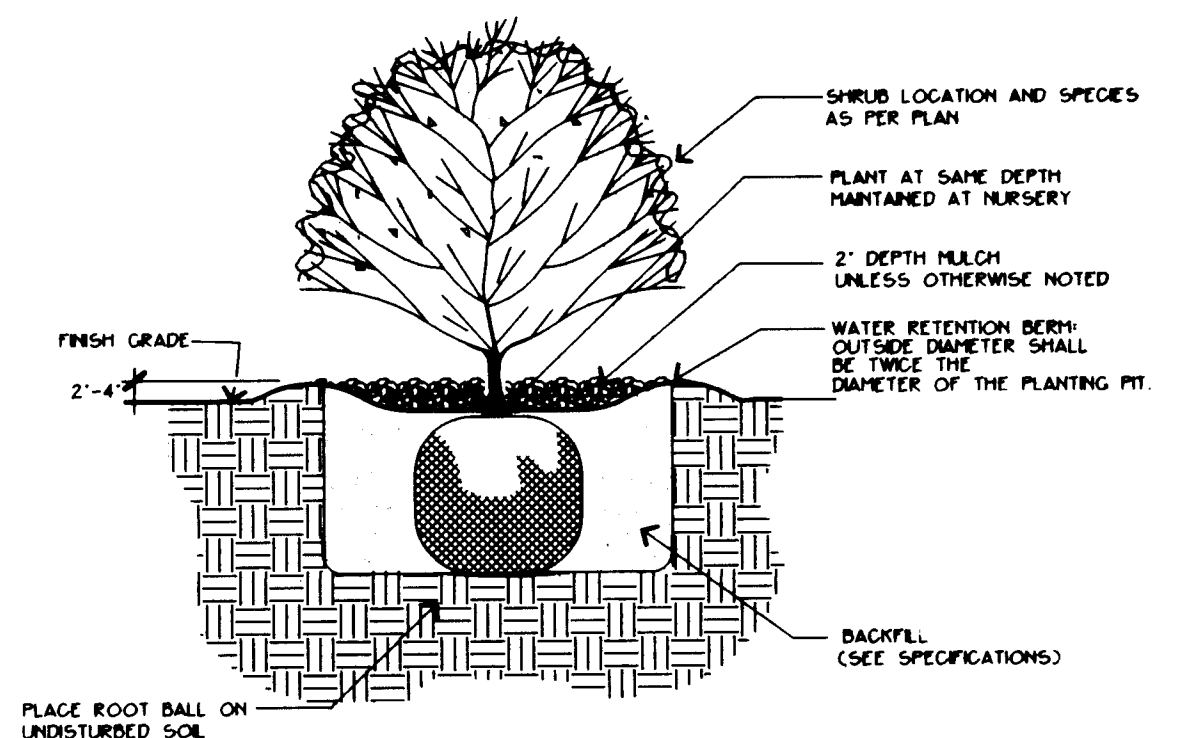
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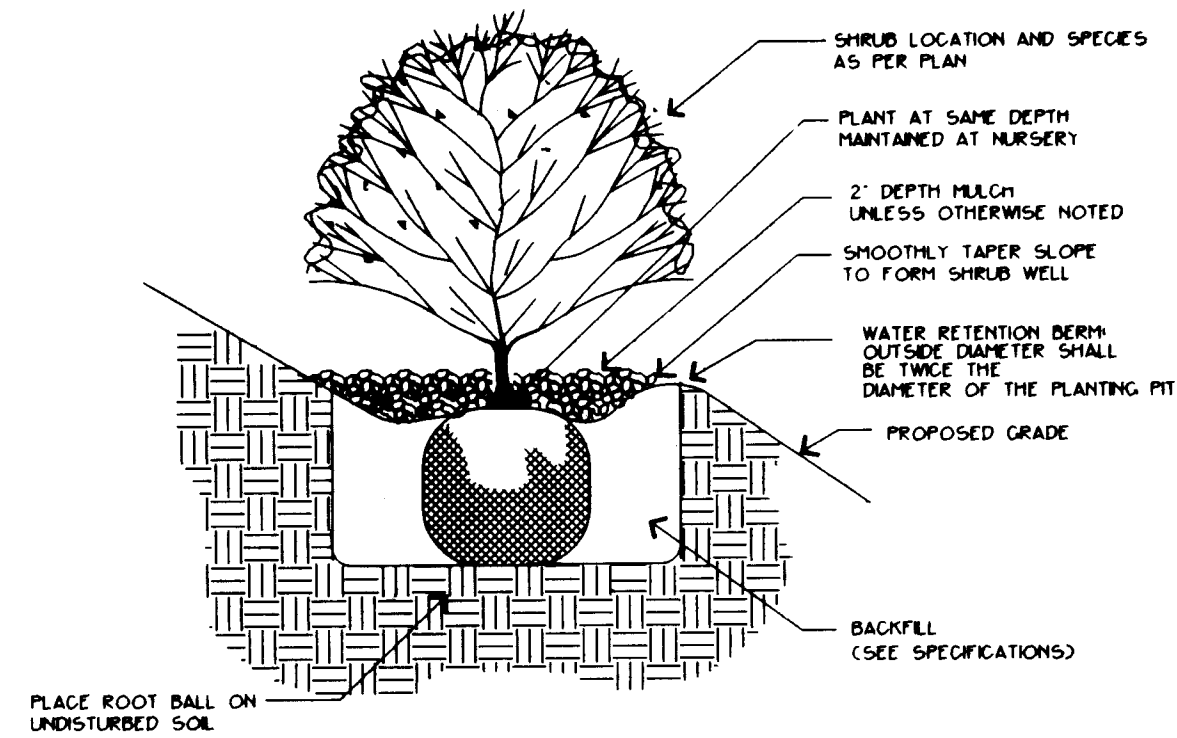
A
27
TREE PLANTING DETAIL: LEVEL
N.T.S.



B
27
TREE PLANTING DETAIL: SLOPE
N.T.S.



C
27
SHRUB PLANTING DETAIL: LEVEL
N.T.S.

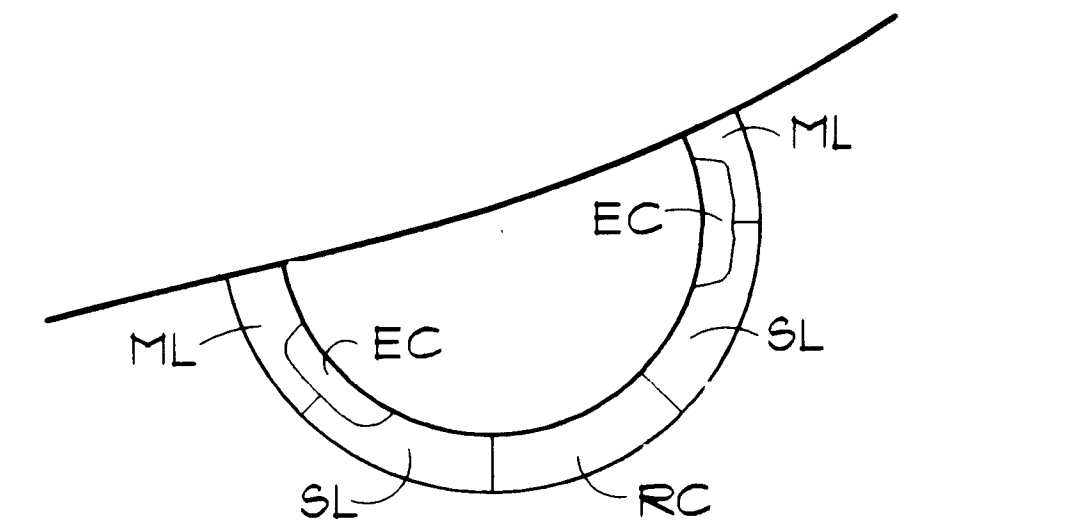


D
27
SHRUB PLANTING DETAIL: SLOPE
N.T.S.

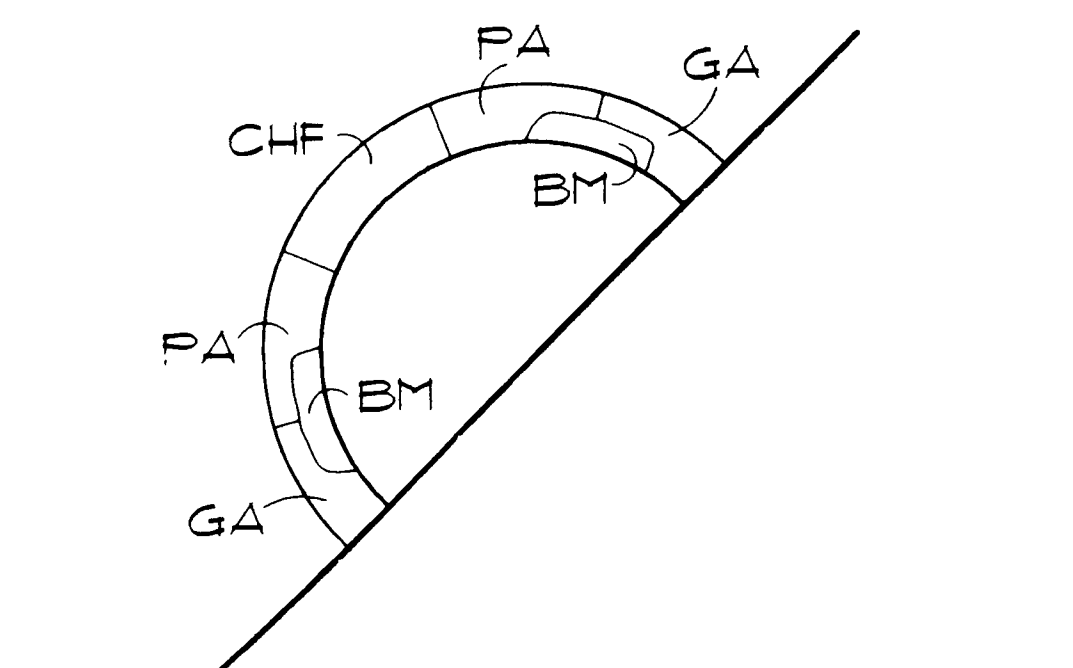
- NOTE:
1. WHEN TREE IS PLANTED, A LEVEL SPACE SHALL BE GRADED IN ORDER TO PLANT THE TREE LEVEL. THE MINIMUM AREA OF THE LEVEL SPACE SHALL BE THE SAME AS THE DIAMETER OF THE DRIP LINE OF THE TREE.
2. AFTER THE TREE IS PLANTED, THE DEGREE OF SLOPE ABOVE AND BELOW THE TREE SHALL NOT EXCEED THE EXISTING DEGREE OF SLOPE PRIOR TO PLANTING.

PLANT LEGEND

SYMBOLS	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE		COMMENTS
				INSTALLED	MATURE	
TREES						
CL	Chilopsis linearis	Desert Willow	10	2" cal. 8' - 10' hgt.	25' hgt. 20' spd.	24" box
FP	Fraxinus pennsylvanica	Green Ash	7	2" cal. 12' - 14' hgt.	35' hgt. 30' spd.	24" box
GTL	Gleditsia triacanthos inermis	Honey Locust	3	2" cal. 12' - 14' hgt.	50' hgt. 25' spd.	24" box
MI	Malus ioensis 'Pleno'	Bechtel Crab	8	2" cal. 8' - 10' hgt.	25' hgt. 20' spd.	24" box
PC	Pistacia chinensis	Chinese Pistache	12	2" cal. 12' - 14' hgt.	50' hgt. 25' spd.	24" box
SHRUBS						
CG	Chrysothamnus nauseosus	Green Rabbitbrush	78	12" - 18" hgt.	6' hgt.	5 gallon
FP	Fallugia paradoxa	Apache Plume	59	12" - 18" hgt.	6' hgt.	5 gallon
NM	Nolina microcarpa	Bear Grass	57	12" - 18" hgt.	4' hgt.	5 gallon
RN	Robinia neomexicana	New Mexico Locust	13	3' - 5' hgt.	15" hgt. 10' spd.	5 gallon
YG	Yucca glauca	Small Soapweed	11	8" - 12" hgt.	30" hgt.	5 gallon
WILDFLOWERS						
BM	Baileya multiradiata	Desert Marigold	20 SF	---	18" hgt.	seed
CHF	Calylophus hartwegii fenderi	Fendler's Sundrops	60 SF	---	2' hgt.	seed
EC	Eschscholzia californica	California Poppy	20 SF	---	1' hgt.	seed
GA	Gaillardia austata	Firewheel	40 SF	---	2' hgt.	seed
ML	Metopodium leucanthum	Black-Foot Daisy	30 SF	---	1' hgt.	seed
PA	Penstemon ambiguus	Sand Penstemon	40 SF	---	30" hgt.	seed
RC	Ratibida columnifera	Yellow Prairie Coneflower	30 SF	---	3' hgt.	seed
SL	Senecio longilobus	Threadleaf Groundsel	60 SF	---	2' hgt.	seed
NATIVE GRASS						
	Bouteloua gracilis	Blue Grama	200,000 SF	---	6" - 3' hgt.	SEED
	Hilaria jamesii	Galletta Grass	---	---	---	12 lbs. PLS/acre
	Schizachyrium scoparium	Little Bluestem	---	---	---	2 lbs. PLS/acre
	Oryzopsis hymenoides	Indian Ricegrass	---	---	---	4 lbs. PLS/acre
	Sporobolus airoides	Alkali Sataton	---	---	---	2 lbs. PLS/acre
	Sporobolus cryptandrus	Sand Dropseed	---	---	---	3 lbs. PLS/acre



E
27
EAST FLOWER BED
1" = 10'-0"



F
27
WEST FLOWER BED
1" = 10'-0"

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Albuquerque, N.M. 87108
PH: 505 268-2286 FAX: 505 265-9637

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **PONDEROSA RESERVOIR NO. 2
PLANTING DETAILS & PLANT LEGEND**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12-22-92			
PROJECT NO.	4478.90		MAP NO.	F-21	

DESIGNED BY	BHM	DATE	12/92
DRAWN BY	RHT	DATE	12/92
CHECKED BY	ECR	DATE	12/92

PROJECT NO.	4478.90	MAP NO.	F-21	SHEET	27	OF	51
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BY LASON

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

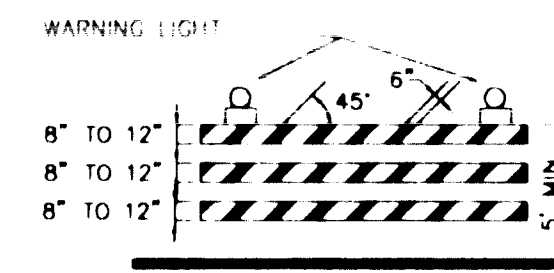
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

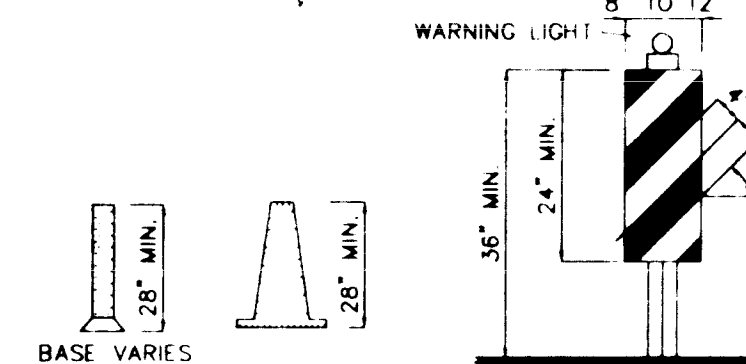
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES



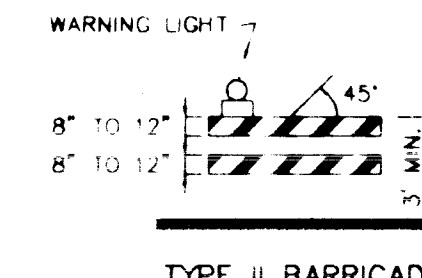
TYPE III BARRICADE



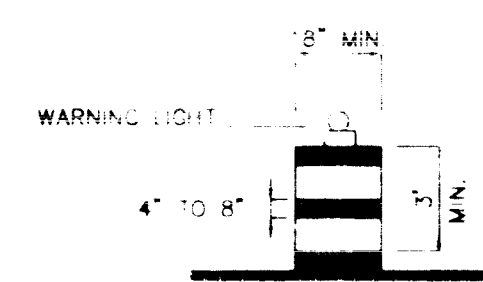
CONES

VERTICAL PANEL

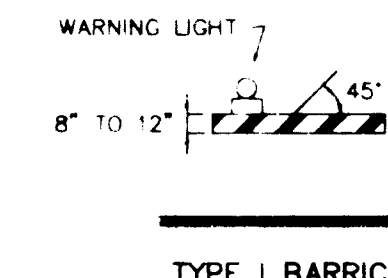
HIGH LEVEL WARNING DEVICE



TYPE II BARRICADE

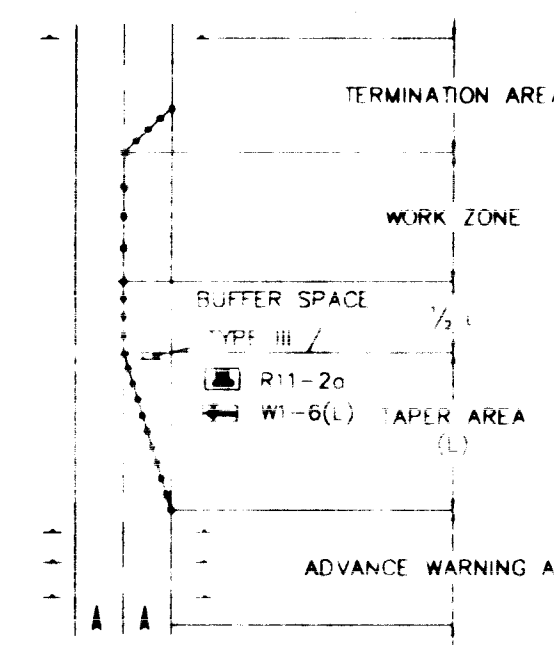


BARREL



TYPE I BARRICADE

COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

SPEED	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

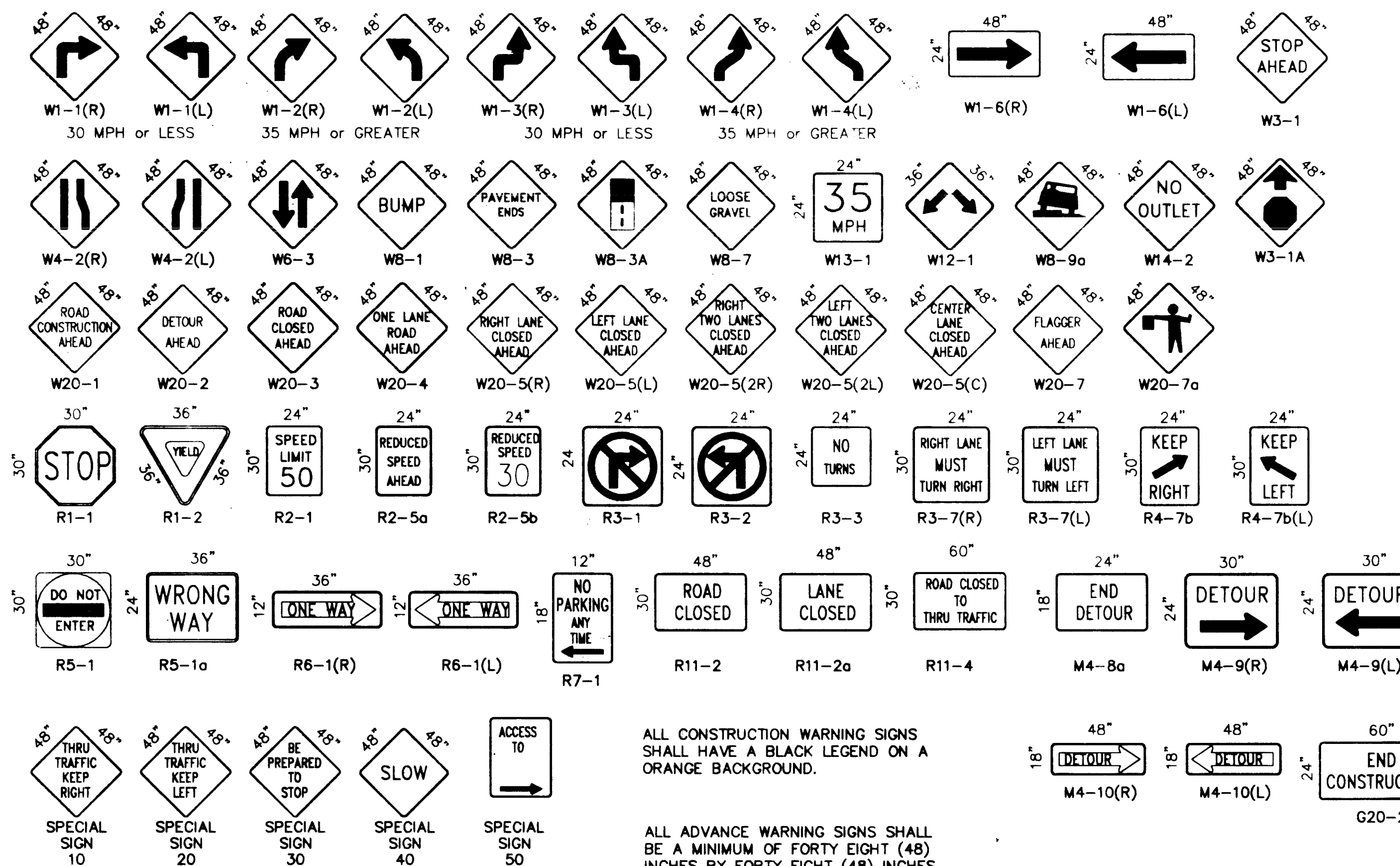
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSIDE TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



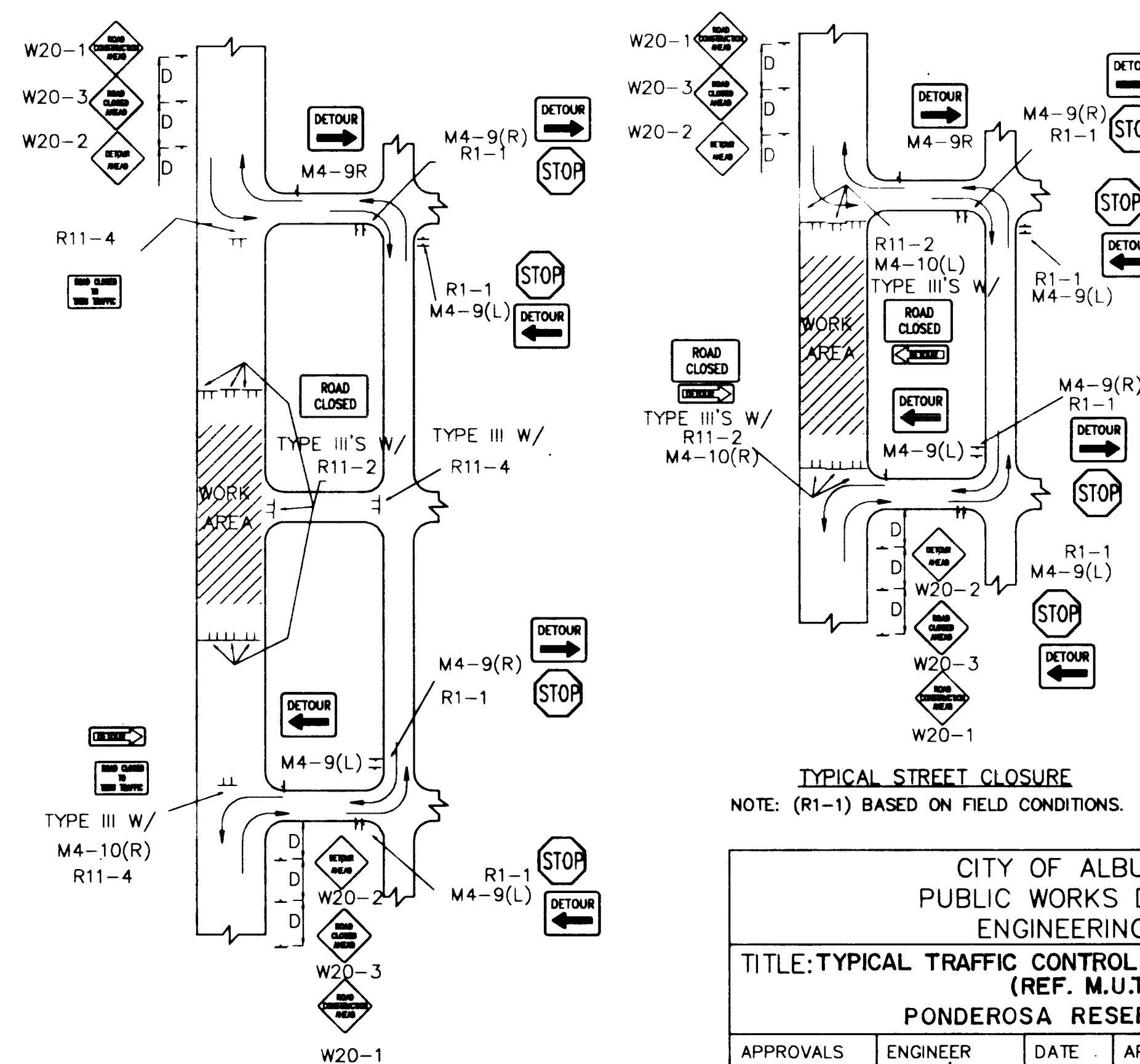
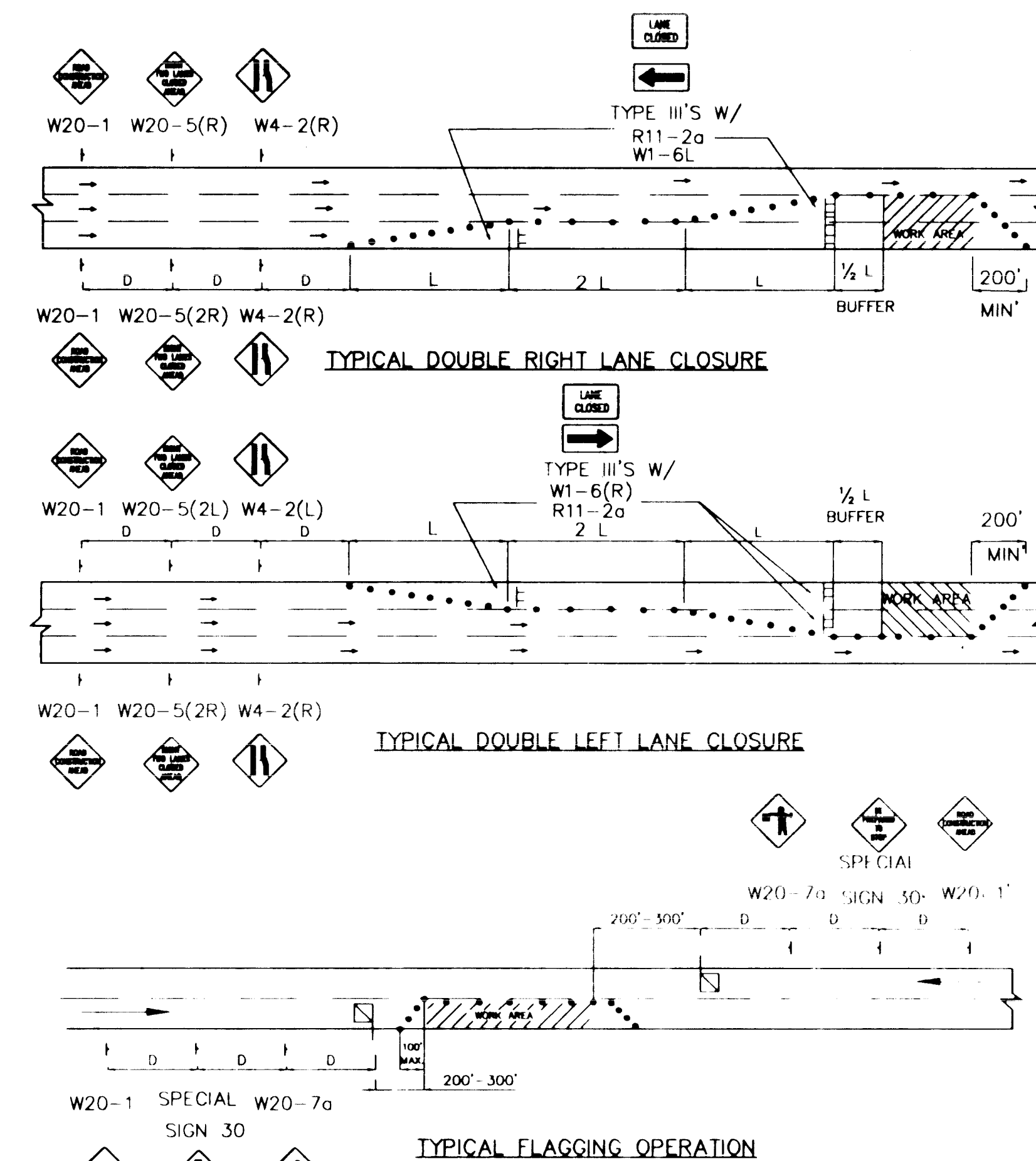
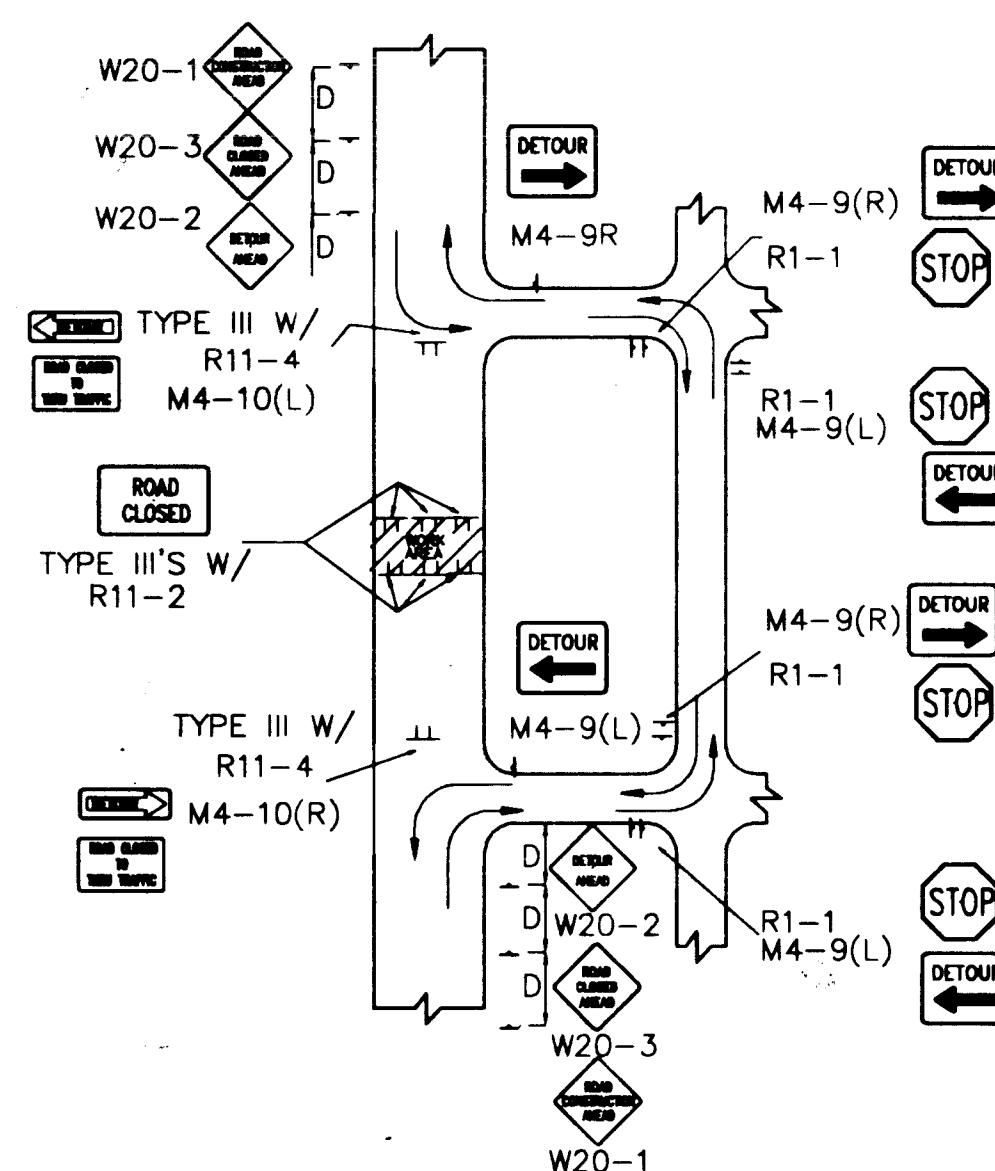
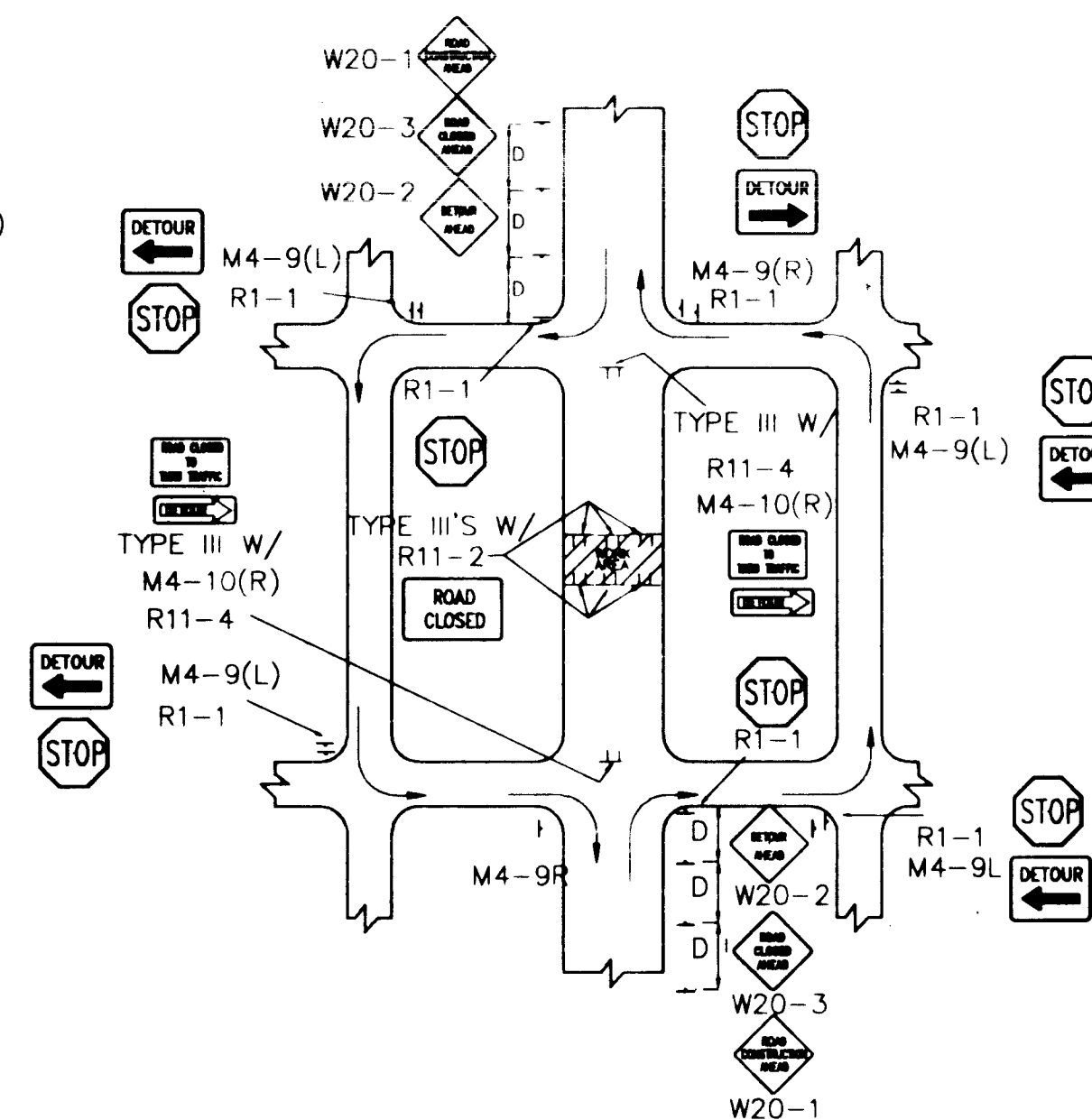
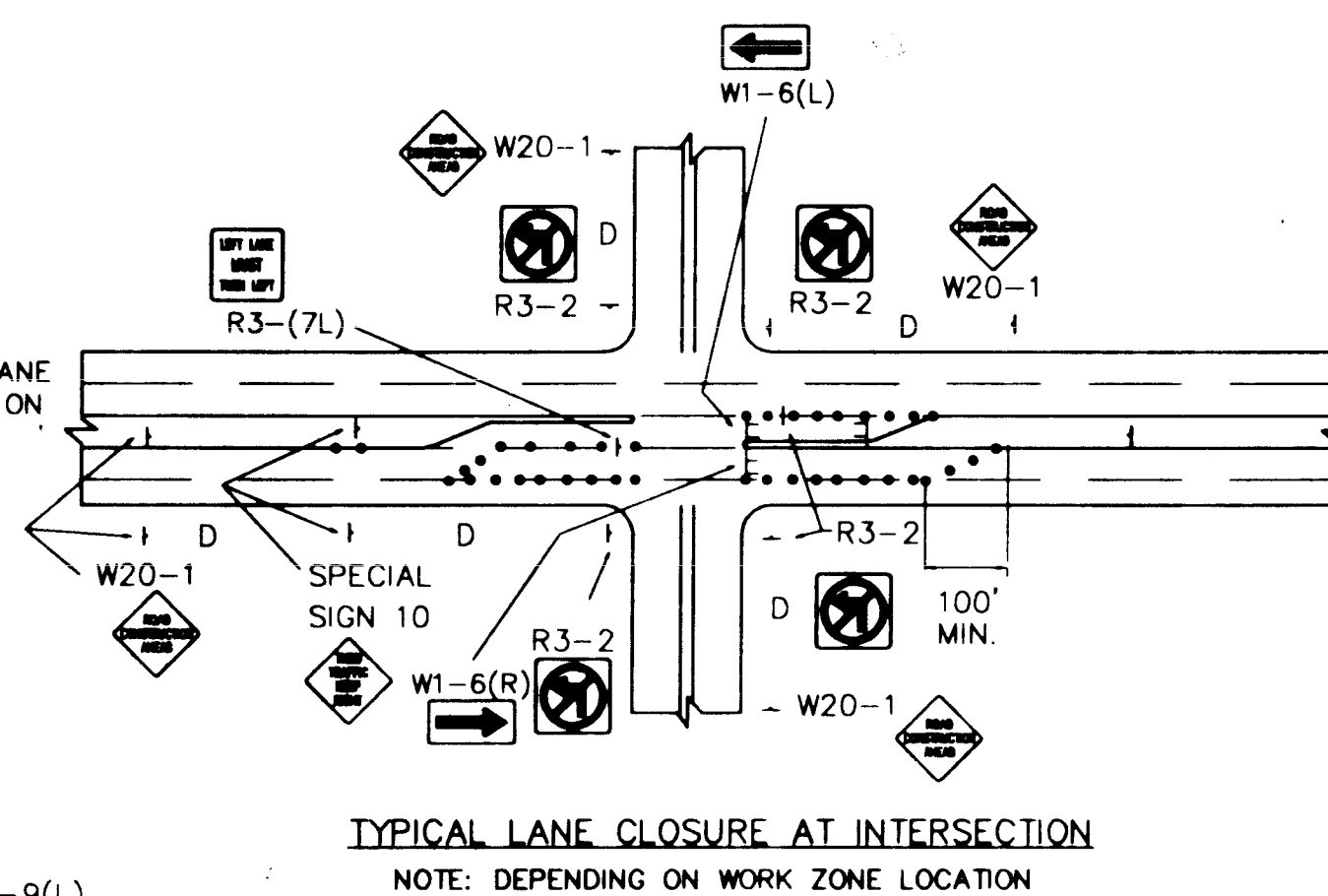
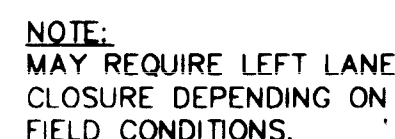
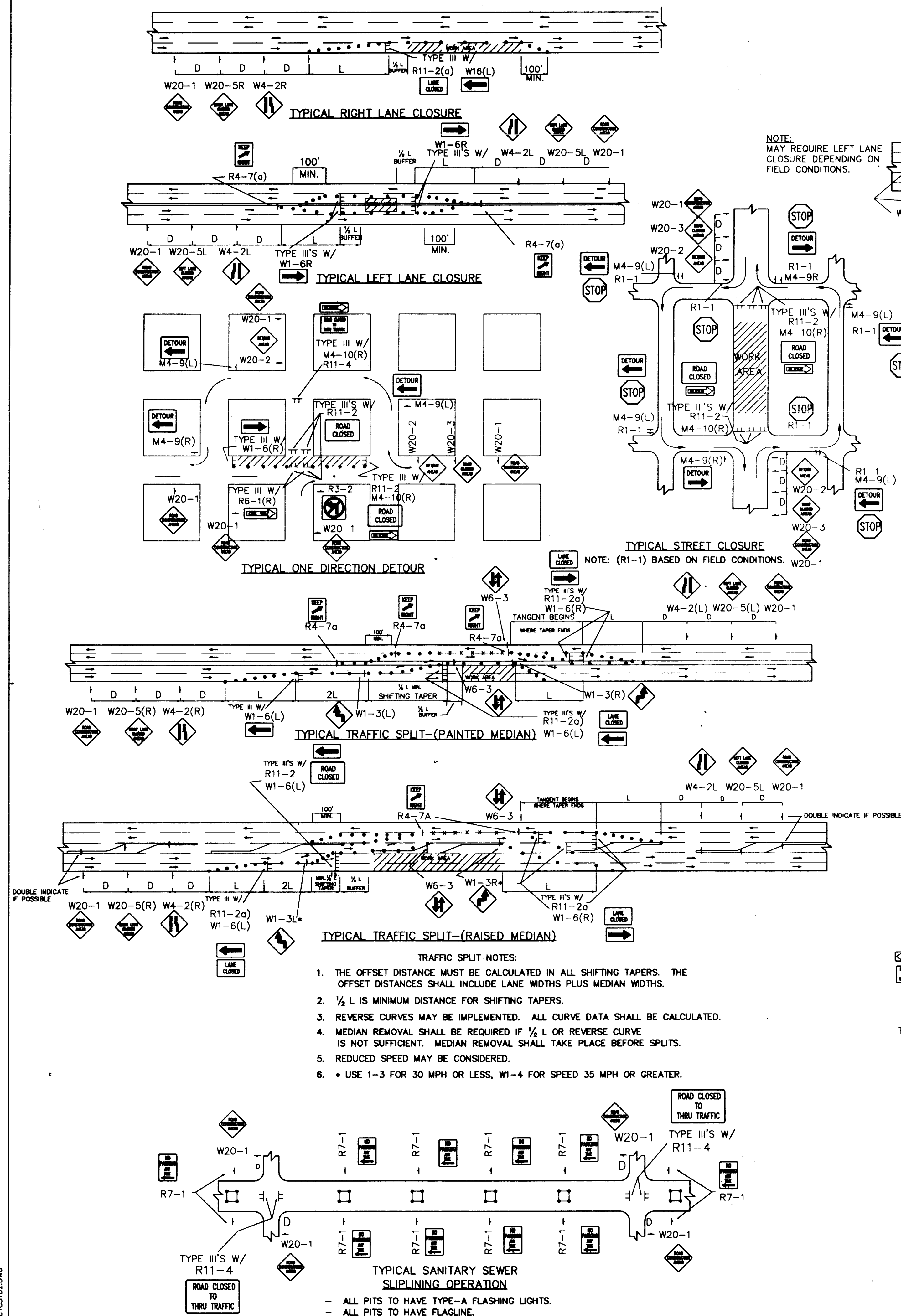
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

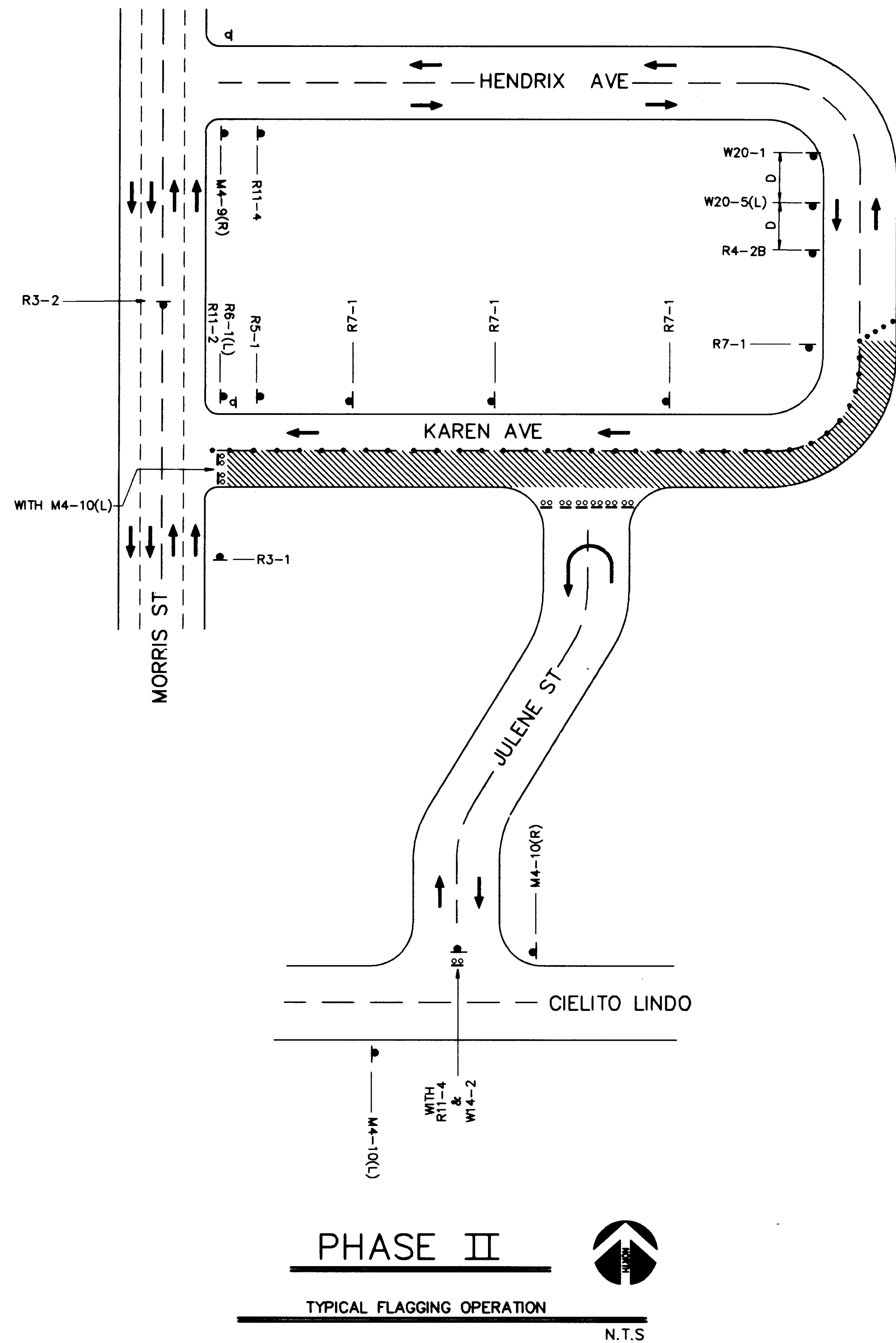
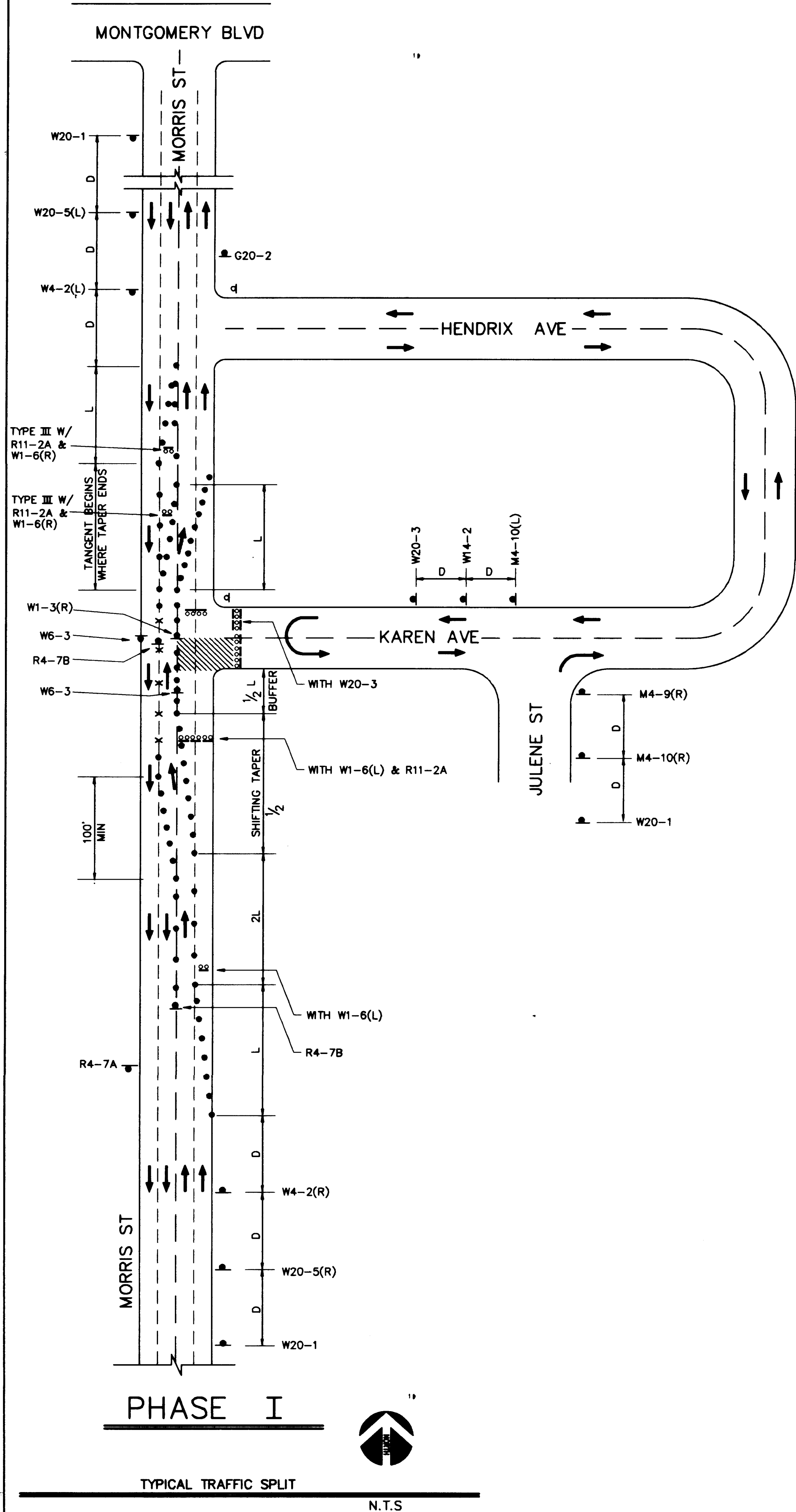
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS					
PONDEROSA RESERVOIR NO. 2					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTE WATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12-22-92			
PROJECT NO.		MAP NO.		SHEET OF	
4478.90		F-21-Z		28 51	

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BY LASON



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)					
PONDEROSA RESERVOIR NO. 2					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12/22/92	WATER	NA <i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12/22/92	WASTE WATER	NA <i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12/22/92			
PROJECT NO. 4478-90			MAP NO. F-21-Z		SHEET OF 29 51



SEQUENCE OF CONSTRUCTION

PHASE I

1. CONSTRUCT OVERFLOW DRAIN LINE IN MORRIS STREET NE R.O.W.

PHASE II

1. UPON COMPLETION OF CONSTRUCTION IN MORRIS STREET R.O.W. CONTINUE WITH OVERFLOW DRAIN LINE IN SOUTH HALF OF KAREN AVE NE.

NOTES:

FOR SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS SEE SHEET 23.

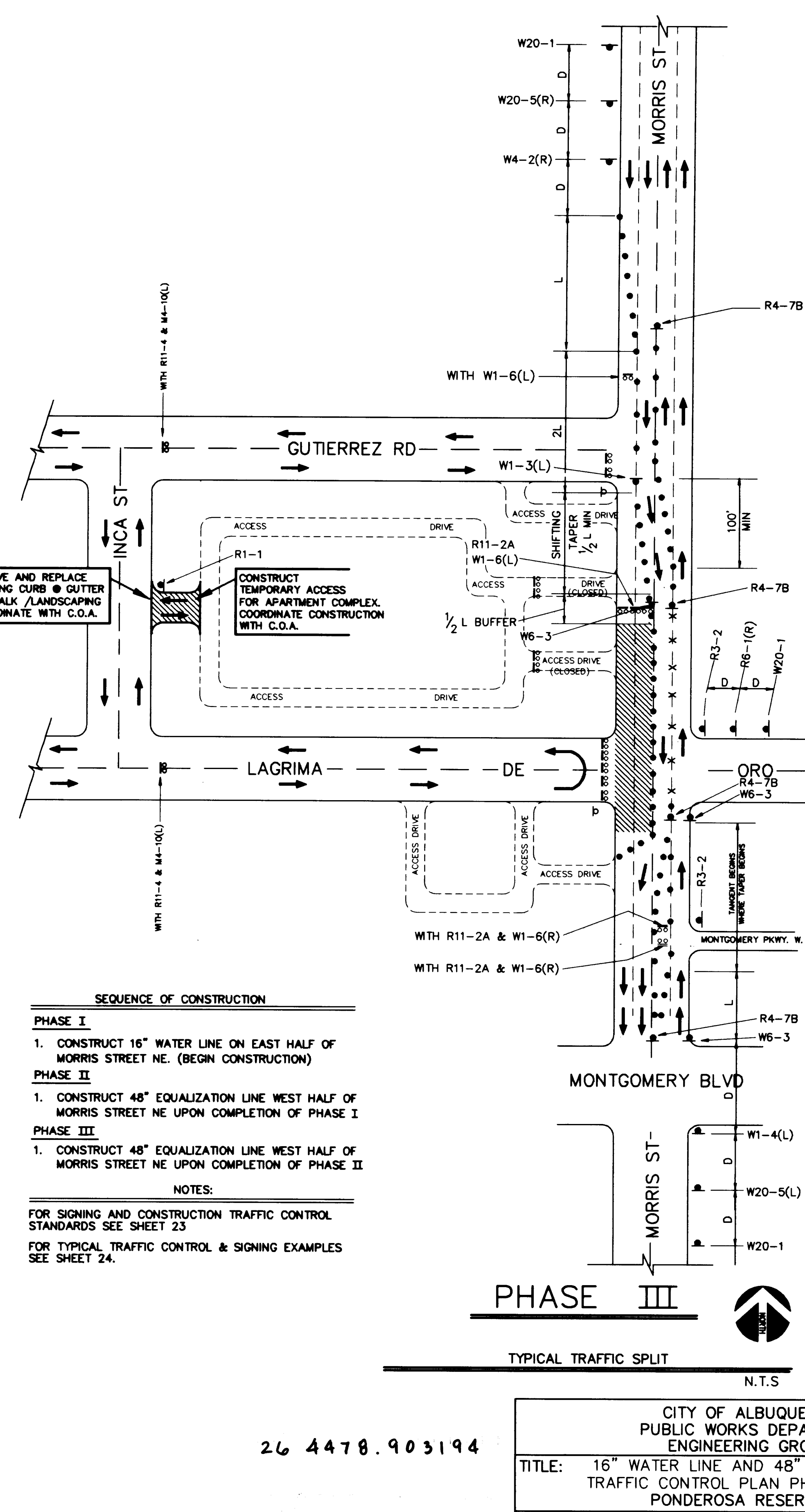
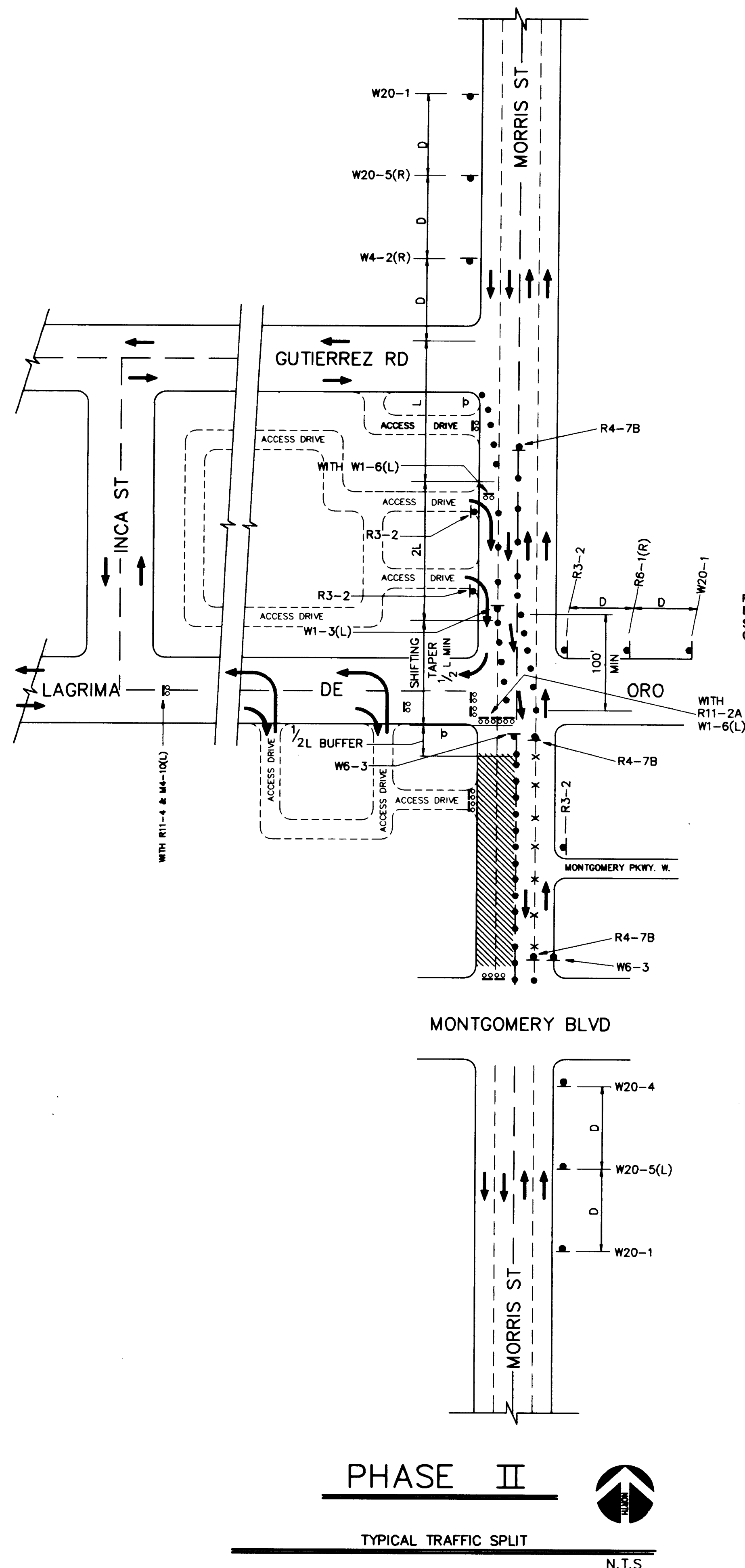
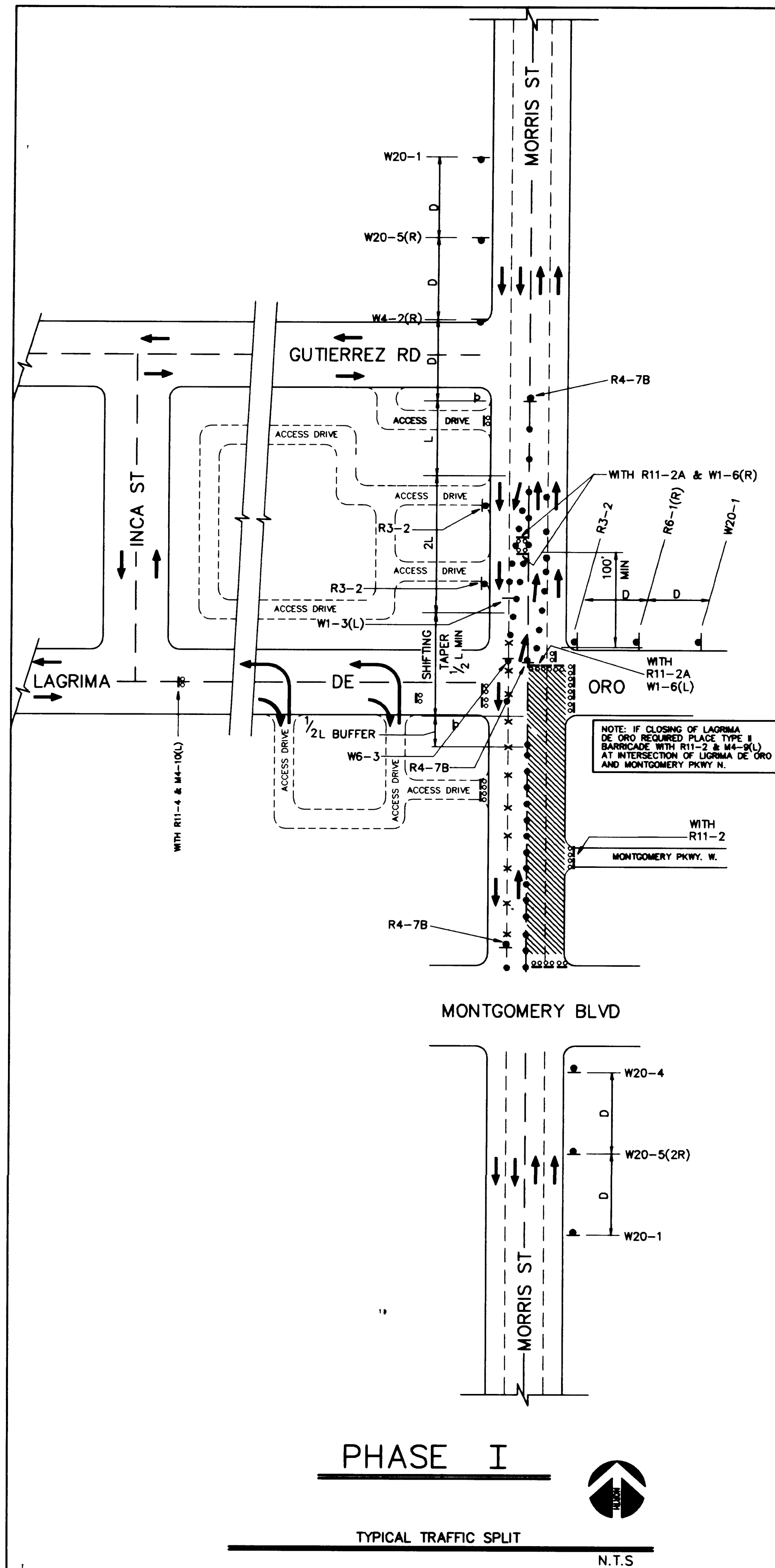
FOR TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES SEE SHEET 24.

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URS CONSULTANTS, INC.			
CHAVEZ-OREYES / CONSULTING ENGINEERS, INC. 4600-C Montgomery Blvd. N.E. Albuquerque, New Mexico 87109 (505) 881-7376			
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: OVERFLOW DRAIN LINE TRAFFIC CONTROL PLAN PONDEROSA RESERVOIR NO. 1			
APPROVALS	ENGINEER	DATE	APPROVALS
D.R.C. Chair	<i>A. R. Briceño</i>	12-22-92	Water
Trans. Dev.	<i>M. A. Lugo</i>	12-22-92	Wastewater
Hydrology	<i>Blanca</i>	12/23/92	
Const. Coord.	<i>Blanca</i>	12/23/92	
DRAWING NO.	4478.90	MAP NO.	F-21-Z
SHEET 30		OF 51	

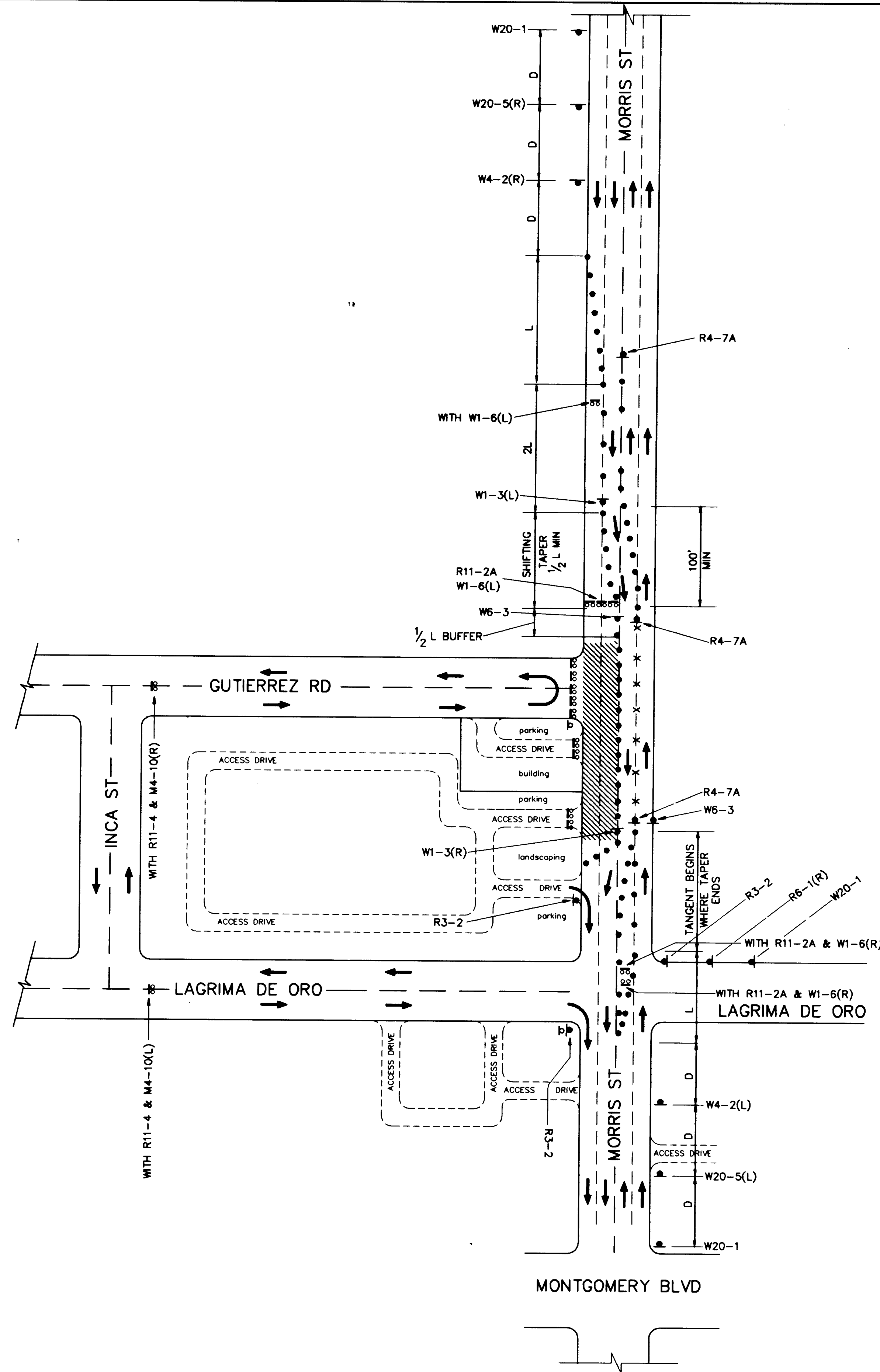
ENGINEER'S SEAL		REVISIONS	
<i>Chavez-Oreyes</i> 12/24/92		NO.	DATE
		1	12-22-92
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		3	12-22-92
		4	12-22-92
		5	12-22-92
		6	12-22-92
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		99	12-22-92
		100	12-22-92



- SEQUENCE OF CONSTRUCTION**
- PHASE I**
1. CONSTRUCT 16" WATER LINE ON EAST HALF OF MORRIS STREET NE. (BEGIN CONSTRUCTION)
- PHASE II**
1. CONSTRUCT 48" EQUALIZATION LINE WEST HALF OF MORRIS STREET NE UPON COMPLETION OF PHASE I
- PHASE III**
1. CONSTRUCT 48" EQUALIZATION LINE WEST HALF OF MORRIS STREET NE UPON COMPLETION OF PHASE II
- NOTES:**
- FOR SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS SEE SHEET 23
- FOR TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES SEE SHEET 24.

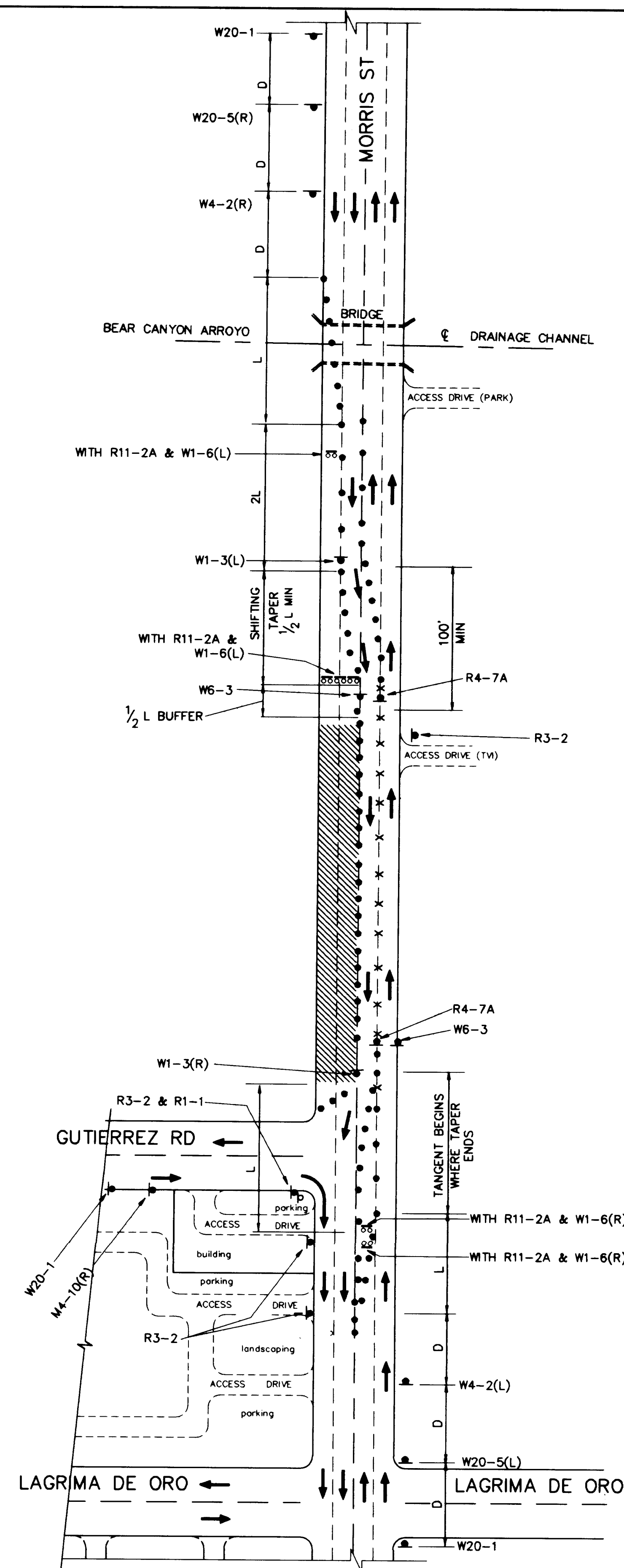
AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.
WORK	DATE		DATE		DATE			DATE			
STAKED BY	DATE		DATE		DATE			DATE			
ACCEPTANCE BY	DATE		DATE		DATE			DATE			
FIELD	DATE		DATE		DATE			DATE			
ADJUSTMENT BY	DATE		DATE		DATE			DATE			
REVISION BY	DATE		DATE		DATE			DATE			
CHECKED BY	DATE		DATE		DATE			DATE			
RECORDED BY	DATE		DATE		DATE			DATE			
NO.											

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: 16" WATER LINE AND 48" EQUALIZATION LINE TRAFFIC CONTROL PLAN PHASE I ~ II AND III PONDEROSA RESERVOIR NO. 2					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	12-22-92	Water	NA <i>[Signature]</i>	12-22-92
Trans. Dev.	<i>[Signature]</i>	12-22-92	Wastewater	NA <i>[Signature]</i>	12-22-92
Hydrology	<i>[Signature]</i>	12-22-92			
Const. Coord.	<i>[Signature]</i>	12-22-92			
DRAWING NO. 4478.90		MAP NO. F-21-Z		SHEET 31 OF 51	



PHASE IV

TYPICAL TRAFFIC SPLIT



PHASE V

TYPICAL TRAFFIC SPLIT

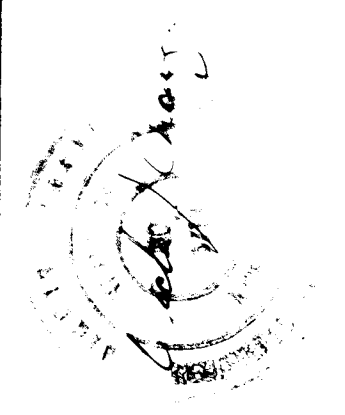


- SEQUENCE OF CONSTRUCTION
- PHASE IV
1. CONSTRUCT 48" EQUALIZATION LINE WEST HALF OF MORRIS STREET NE UPON COMPLETION OF PHASE III
- PHASE V
1. CONSTRUCT 48" EQUALIZATION LINE WEST HALF OF MORRIS STREET NE UPON COMPLETION OF PHASE IV

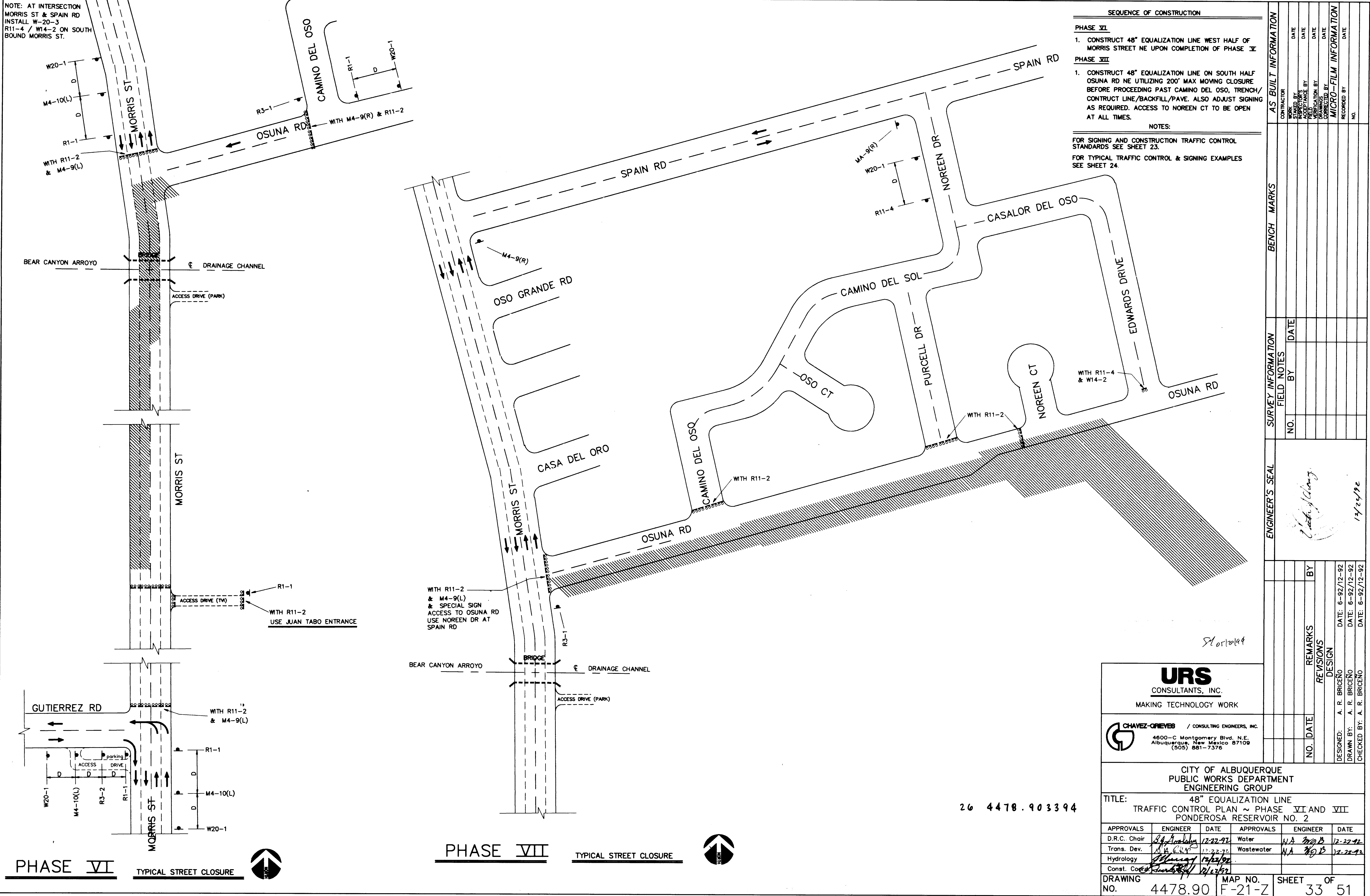
NOTES:

FOR SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS SEE SHEET 23.

FOR TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES SEE SHEET 24.

ENGINEER'S SEAL										SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION					
 12/22/92										FIELD NOTES									
										NO.	BY	DATE							
NO.		DATE	REMARKS		BY														
REVISIONS																			
DESIGN																			
DESIGNED:		A. R. BRICEÑO		DATE:		6-92/12-92													
DRAWN BY:		A. R. BRICEÑO		DATE:		6-92/12-92													
CHECKED BY:		A. R. BRICEÑO		DATE:		6-92/12-92													
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP																			
TITLE: 48" EQUALIZATION LINE TRAFFIC CONTROL PLAN ~ PHASE IV AND V PONDEROSA RESERVOIR NO. 2																			
APPROVALS		ENGINEER				DATE													
Chair		NA <i>[Signature]</i>				12-22-92													
Water		NA <i>[Signature]</i>				12-22-92													
Trans. Dev.																			
Hydrology																			
Const. Coord.																			
DRAWING NO.														MAP NO.		SHEET		OF	
4478.90														F-21-Z		32		51	

NOTE: AT INTERSECTION
MORRIS ST & SPAIN RD
INSTALL W-20-3
R11-4 / W14-2 ON SOUTH
BOUND MORRIS ST.

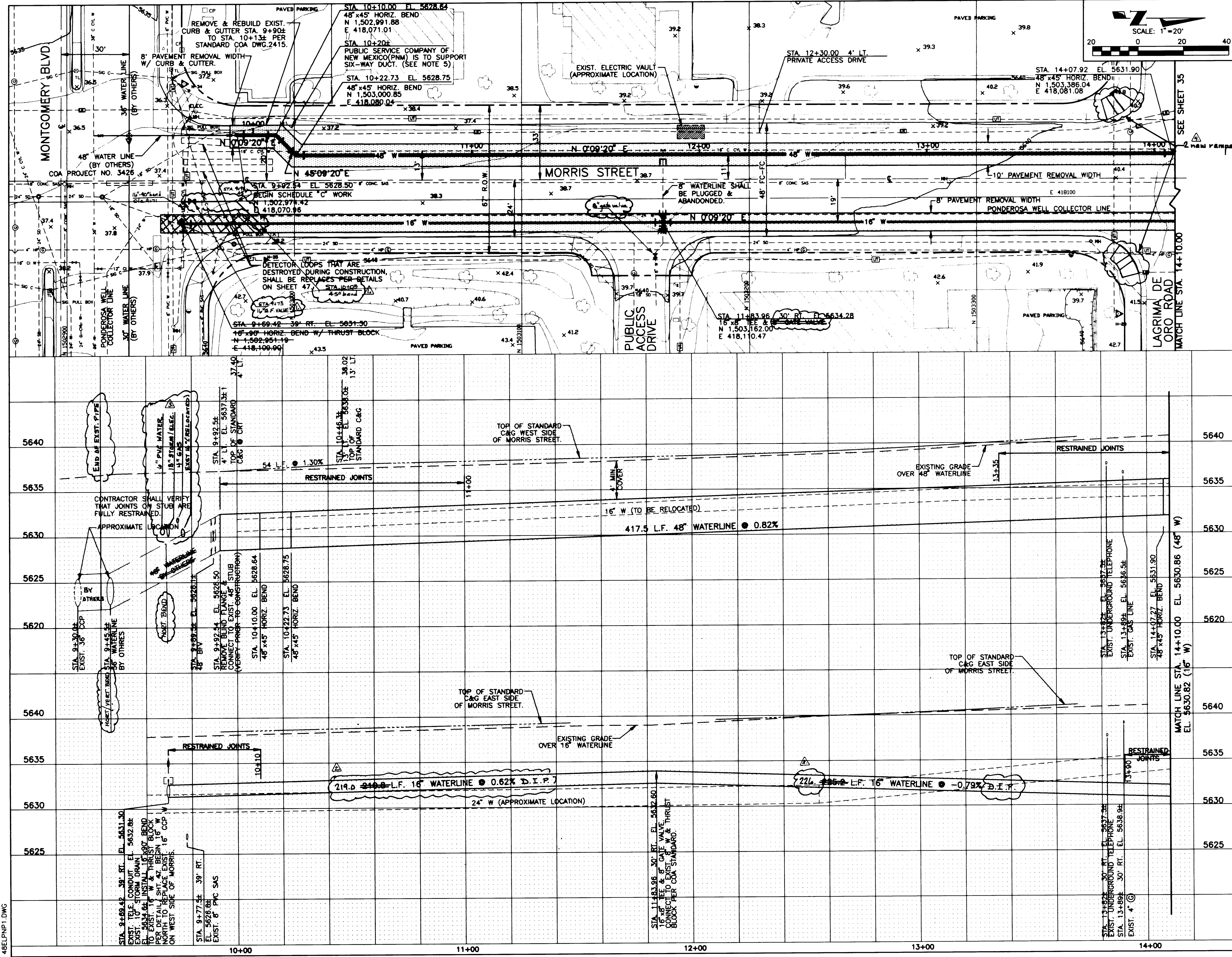


FILE NO. URS-TS.DWG 24436 EXTENTS 1-20

26 4478.903394

URS CONSULTANTS, INC. MAKING TECHNOLOGY WORK			
CHAVEZ-GRIEYES / CONSULTING ENGINEERS, INC. 4600-C Montgomery Blvd. N.E. Albuquerque, New Mexico 87109 (505) 881-7376			
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: 48" EQUALIZATION LINE TRAFFIC CONTROL PLAN ~ PHASE VI AND VII PONDEROSA RESERVOIR NO. 2			
APPROVALS	ENGINEER	DATE	APPROVALS
D.R.C. Chair	<i>[Signature]</i>	12-22-92	Water
Trans. Dev.	<i>[Signature]</i>	12-22-92	Wastewater
Hydrology	<i>[Signature]</i>	12-22-92	
Const. Coord.	<i>[Signature]</i>	12-22-92	
DRAWING NO. 4478.90		MAP NO. F-21-Z	
SHEET 33		OF 51	

SCANNED BY
BY LASON



- NOTES:
- 1.) ALL STATIONING IS @ 48" EQUALIZATION LINE STATIONING.
 - 2.) REMOVAL OF EXIST. PAVEMENT SHALL CONFORM TO COA STANDARD SPECIFICATIONS. SEC. 701.8
 - 3.) WHEN REMOVAL OF CURB & GUTTER IS REQUIRED, AREA BEHIND CURB SHALL BE COMPLETELY RESTORED.
 - 4.) SEE SHEET 49 FOR TYPICAL PIPE BEDDING DETAIL.
 - 5.) ALL COSTS ASSOCIATED WITH THE SUPPORT OF PNM FACILITIES WILL BE THE RESPONSIBILITY OF THE REQUESTING CONTRACTOR. PLEASE PROVIDE A MINIMUM OF SEVEN (7) WORKING DAYS NOTICE PRIOR TO ANY CONSTRUCTION FOR SCHEDULING PURPOSES.
 - 6.) PROPOSED WATERLINE SLOPES ARE SHOWN FOR REFERENCES ONLY.
 - 7.) A TRENCH BOX OR TRENCH SUPPORT SYSTEM SHALL BE USED TO LIMIT REMOVAL WIDTHS AS SHOWN ON PLANS AND TO ACCOMMODATE LIVE LOADING ADJACENT TO TRENCH. SEE SPECIFICATIONS-APPENDIX "A". SYSTEM MUST CONFORM TO OSHA STANDARDS.
 - 8.) PAVEMENT REPLACEMENT SHALL BE PER CITY OF ALBUQUERQUE STANDARD DRAWING DWG.2485. ASPHALT CONCRETE DEPTH TO BE MIN. 6" AND AGGREGATE BASE COURSE DEPTH TO BE MIN. 6".

AS BUILT INFORMATION			
CONTRACTOR	PROJECT	DATE	NO.
RMCT, INC. <td></td> <td></td> <td></td>			

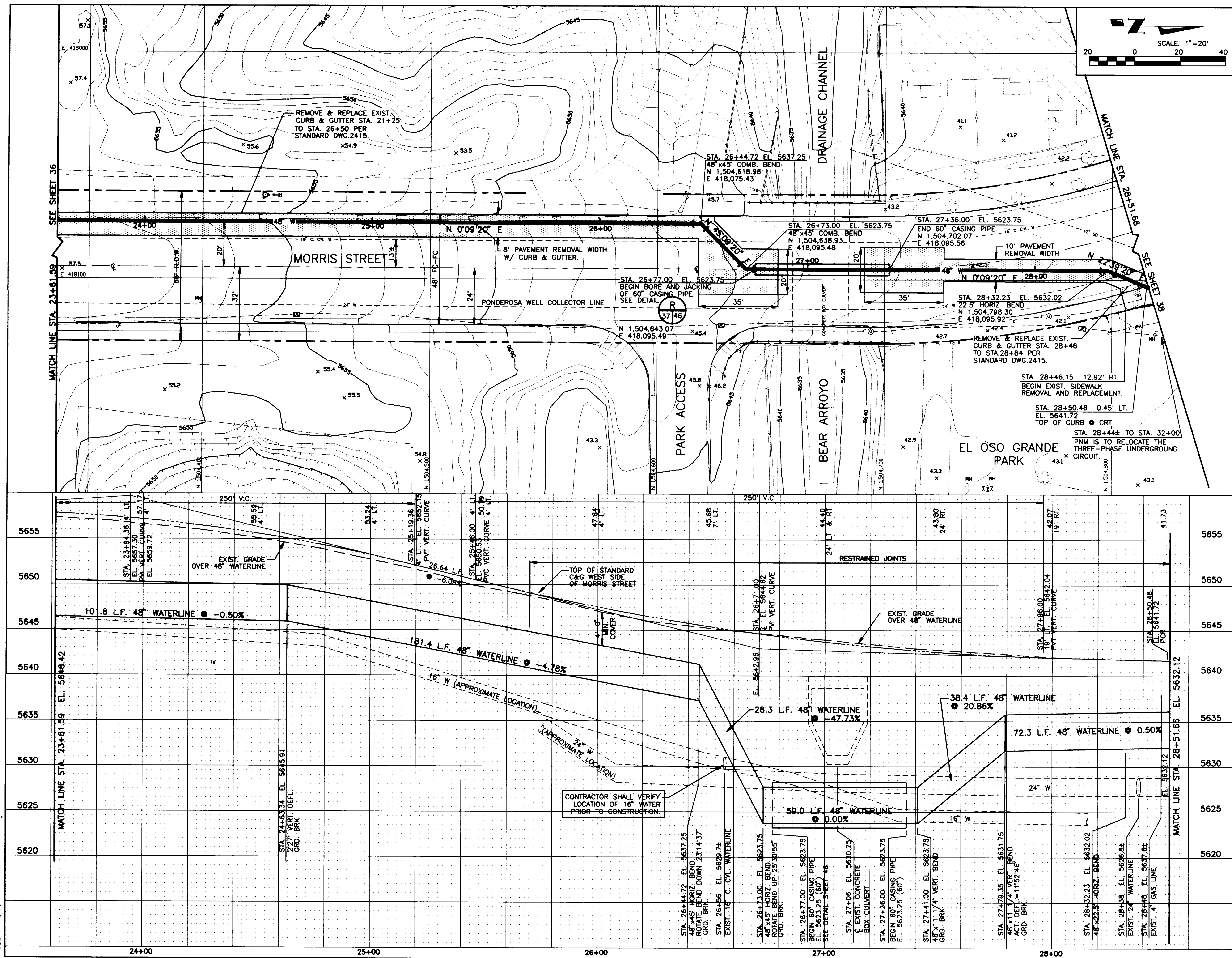
BENCH MARKS			
THE BENCHMARK IS A STANDARD ACS BRASS	DATE	BY	NO.
TABLET STAMPED "10-621", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111			

SURVEY INFORMATION			
FIELD NOTES			
NO.	DATE	BY	NO.

ENGINEER'S SEAL			
RECORD DRAINAGE			
DATE	BY	REMARKS	REVISIONS
5-10-94	10/10/94	16" WL RELOCATION	
5-10-94		TYPE LENGTHS	
5-10-94		48" CONNECTION	
5-10-94		HAND-UP RAMP	
5-10-94		REVISIONS	
NO.	DATE	DESIGNED BY	CHECKED BY
		BAR/TRV	CWB/TRV
		DATE 12-92	DATE 12-92

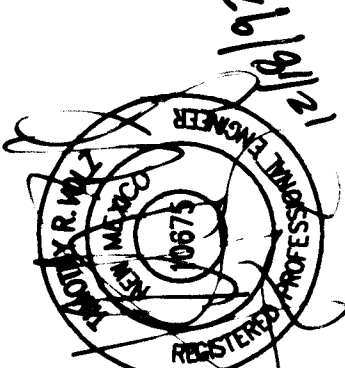
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: 48" EQUALIZATION LINE STA. 9+92.54 TO STA. 14+10.00 W/ 16" WATERLINE RELOCATION PONDEROSA RESERVOIR NO. 2			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER
HYDROLOGY	<i>[Signature]</i>	12-22-92	

COA PROJECT NO.	MAP NO.	SHEET	OF
4478.90	F-21	34	51



NOTES:

- 1.) ALL STATIONING IS @ 48" EQUALIZATION LINE STATIONING.
- 2.) REMOVAL OF EXIST. PAVEMENT SHALL CONFORM TO COA STANDARD SPECIFICATIONS. SEC. 701.8
- 3.) WHEN REMOVAL OF CURB & GUTTER IS REQUIRED, AREA BEHIND CURB SHALL BE COMPLETELY RESTORED.
- 4.) SEE SHEET 49 FOR TYPICAL PIPE BEDDING DETAIL.
- 5.) EXPANSION JOINT BETWEEN EXIST. HANDICAP ACCESS RAMP AND NEW VALLEY GUTTER SHALL BE REFORMED WITH NEW MATERIAL.
- 6.) ALL COSTS ASSOCIATED WITH THE SUPPORT OF PNM FACILITIES WILL BE THE RESPONSIBILITY OF THE REQUESTING CONTRACTOR. PLEASE PROVIDE A MINIMUM OF SEVEN (7) WORKING DAYS NOTICE PRIOR TO ANY CONSTRUCTION FOR SCHEDULING PURPOSES.
- 7.) PROPOSED WATERLINE SLOPES ARE SHOWN FOR REFERENCES ONLY.
- 8.) A TRENCH BOX OR TRENCH SUPPORT SYSTEM SHALL BE USED TO LIMIT REMOVAL WIDTHS AS SHOWN ON PLANS AND TO ACCOMMODATE LIVE LOADING ADJACENT TO TRENCH. SEE SPECIFICATIONS-APPENDIX "A". SYSTEM MUST CONFORM TO OSHA STANDARDS.
- 9.) PAVEMENT REPLACEMENT SHALL BE PER CITY OF ALBUQUERQUE STANDARD DRAWING DWG.2465. ASPHALT CONCRETE DEPTH TO BE MIN. 5" AND AGGREGATE BASE COURSE DEPTH TO BE MIN. 6".

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACTOR	NO.	THE BENCHMARK IS A STANDARD ACS BRASS	NO.	DATE	BY	DATE	BY		
STAMPED BY	DATE	TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111	NO.	DATE	BY	DATE	BY		
ACCEPTANCE BY	DATE							REVISIONS	
DESIGNED BY	DATE							DESIGN	
DRAWINGS	DATE							DESIGNED BY	BAK/TRV
CORRECTED BY	DATE							DRAWN BY	BLS
MICRO-FILM INFORMATION								CHECKED BY	CWB/TRV
RECORDED BY	NO.							DATE	12-92
								DATE	12-92

26 4478.903794

URS
CONSULTANTS, INC.
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

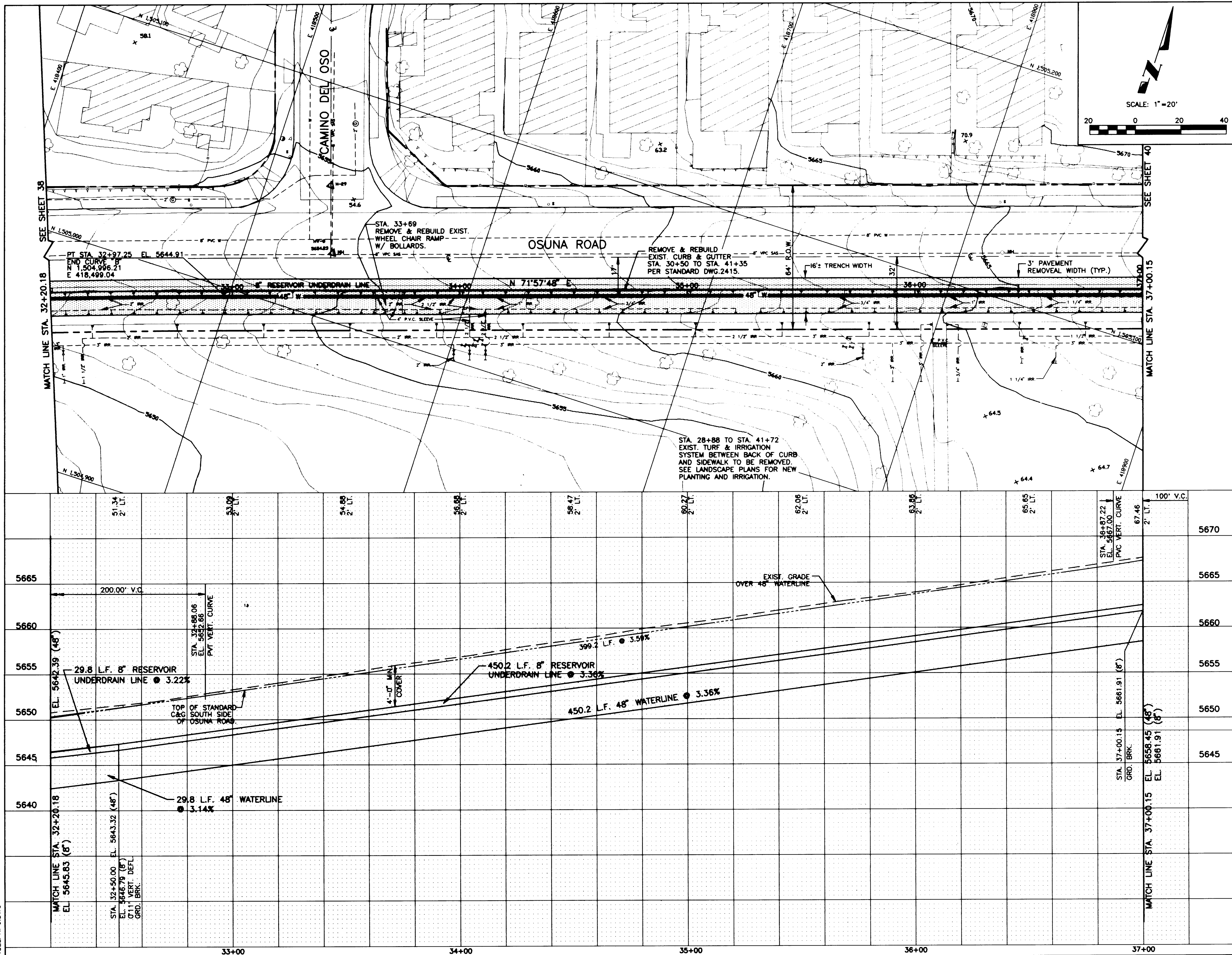
TITLE:

48" EQUALIZATION LINE
STA. 23+61.59 TO STA. 28+51.66
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>				

COA PROJECT NO.	MAP NO.	SHEET	OF
4478.90	F-21	37	51

48ELPNP6.DWG



- NOTES:
- 1.) ALL STATIONING IS $\pm 48'$ EQUALIZATION LINE STATIONING.
 - 2.) REMOVAL OF EXIST. PAVEMENT SHALL CONFORM TO COA STANDARD SPECIFICATIONS, SEC. 701.8
 - 3.) SEE SHEET 49 FOR TYPICAL PIPE BEDDING DETAIL.
 - 4.) PROPOSED WATERLINE SLOPES ARE SHOWN FOR REFERENCES ONLY.
 - 5.) A TRENCH BOX OR TRENCH SUPPORT SYSTEM SHALL BE USED TO LIMIT REMOVAL WIDTHS AS SHOWN ON PLANS AND TO ACCOMMODATE LIVE LOADING ADJACENT TO TRENCH. SEE SPECIFICATIONS-APPENDIX "A". SYSTEM MUST CONFORM TO OSHA STANDARDS.
 - 6.) SEE CITY OF ALBUQUERQUE STANDARD DETAIL DRAWING DWG.2405 FOR PAVEMENT REPLACEMENT INFORMATION.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	WORK	DATE	THE BENCHMARK IS A STANDARD ACS BRASS	TABLET STAMPED "10-G21"	SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111	FIELD NOTES	NO.	BY	DATE	REVISIONS	BY
INSPECTOR'S	ACCEPTANCE BY	DATE								DESIGN	DATE 12-92
DRAWINGS	CORRECTED BY	DATE								REVISIONS	DATE 12-92
MICRO-FILM INFORMATION	RECORDED BY	DATE								DESIGN	DATE 12-92
										DESIGN	DATE 12-92

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URS
CONSULTANTS, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

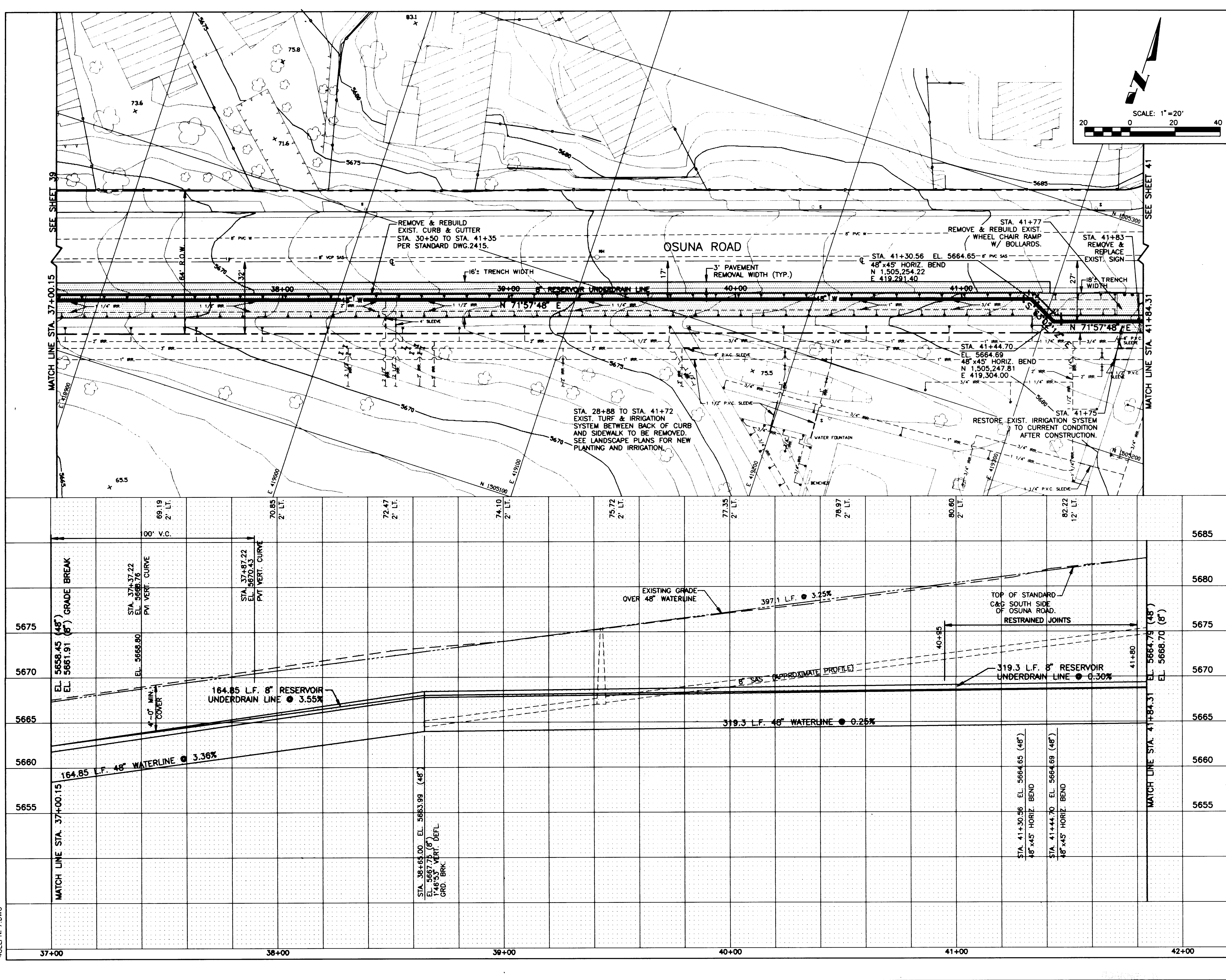
TITLE: 48" EQUALIZATION LINE
STA. 32+20.18 TO STA. 37+00.15
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12-22-92			

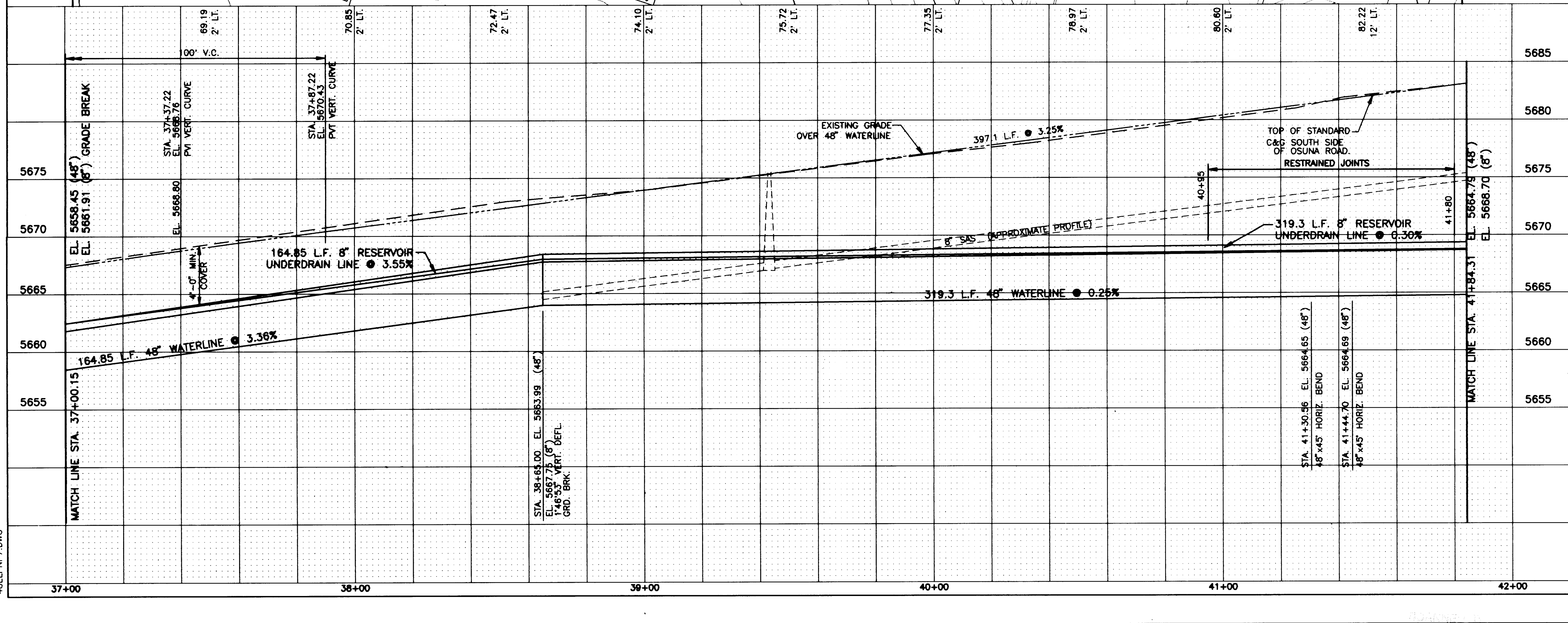
COA PROJECT NO.	MAP NO.	SHEET	OF
4478.90	F-21	39	51

SCANNED BY
BY LASON

48ELPIMP7.DWG



- NOTES:
- 1.) ALL STATIONING IS @ 48" EQUALIZATION LINE STATIONING.
 - 2.) REMOVAL OF EXIST. PAVEMENT SHALL CONFORM TO COA STANDARD SPECIFICATIONS, SEC. 701.8
 - 3.) SEE SHEET 49 FOR TYPICAL PIPE BEDDING DETAIL.
 - 4.) PROPOSED WATERLINE SLOPES ARE SHOWN FOR REFERENCES ONLY.
 - 5.) A TRENCH BOX OR TRENCH SUPPORT SYSTEM SHALL BE USED TO LIMIT REMOVAL WIDTHS AS SHOWN ON PLANS AND TO ACCOMMODATE LIVE LOADING ADJACENT TO TRENCH. SEE SPECIFICATIONS-APPENDIX "A". SYSTEM MUST CONFORM TO OSHA STANDARDS.
 - 6.) SEE CITY OF ALBUQUERQUE STANDARD DETAIL DRAWING DWG.2405 FO PAVEMENT REPLACEMENT INFORMATION.



AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL						
CONTRACTOR	WORKED BY	DATE	THE BENCHMARK IS A STANDARD ACS BRASS	DATE	BY		REVISIONS	DESIGN	DATE 12-92	DRAWN BY BLS	DATE 12-92				
INSPECTOR'S	ACCEPTANCE BY	DATE	TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111	NO.	DATE							NO.	DATE	NO.	DATE
DRIVER'S	VERIFICATION BY	DATE													
MICRO-FILM INFORMATION															
RECORDED BY															
NO.															

1 2 3 4 5 6 7 8 9 10 11 12

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URS
CONSULTANTS, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

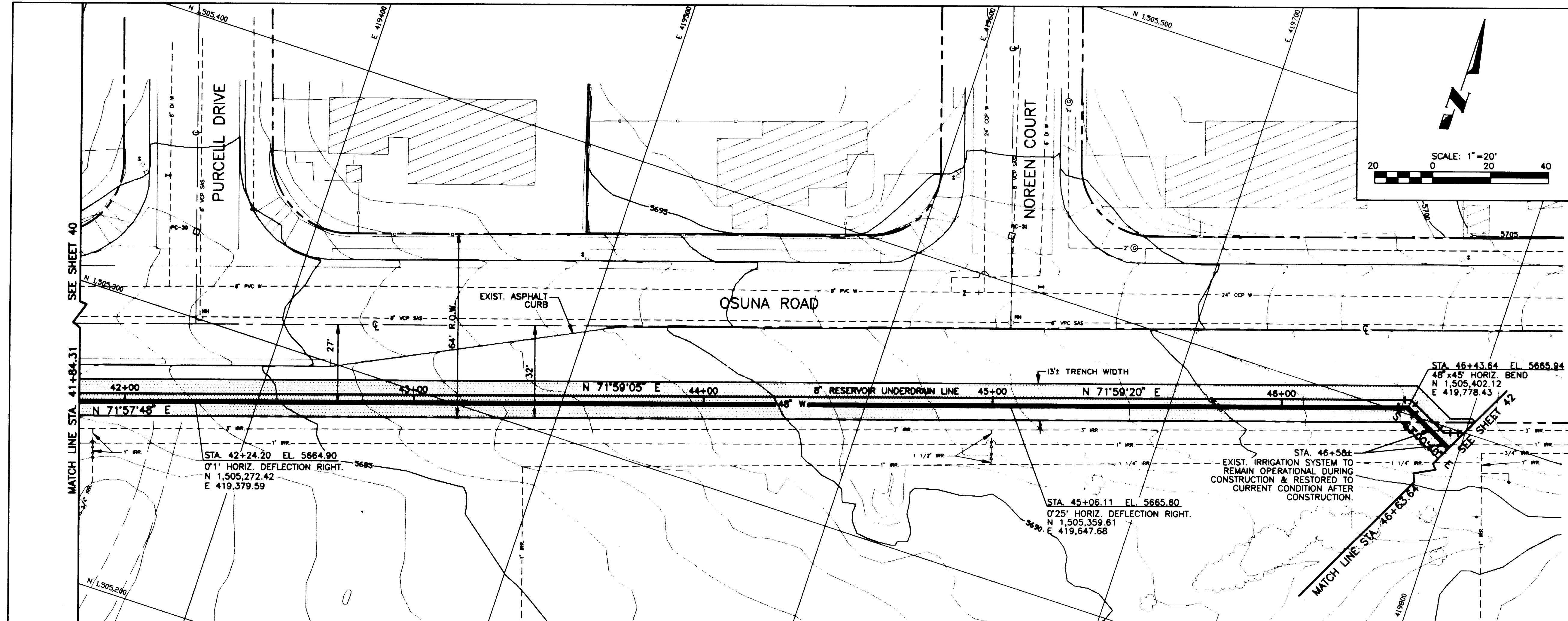
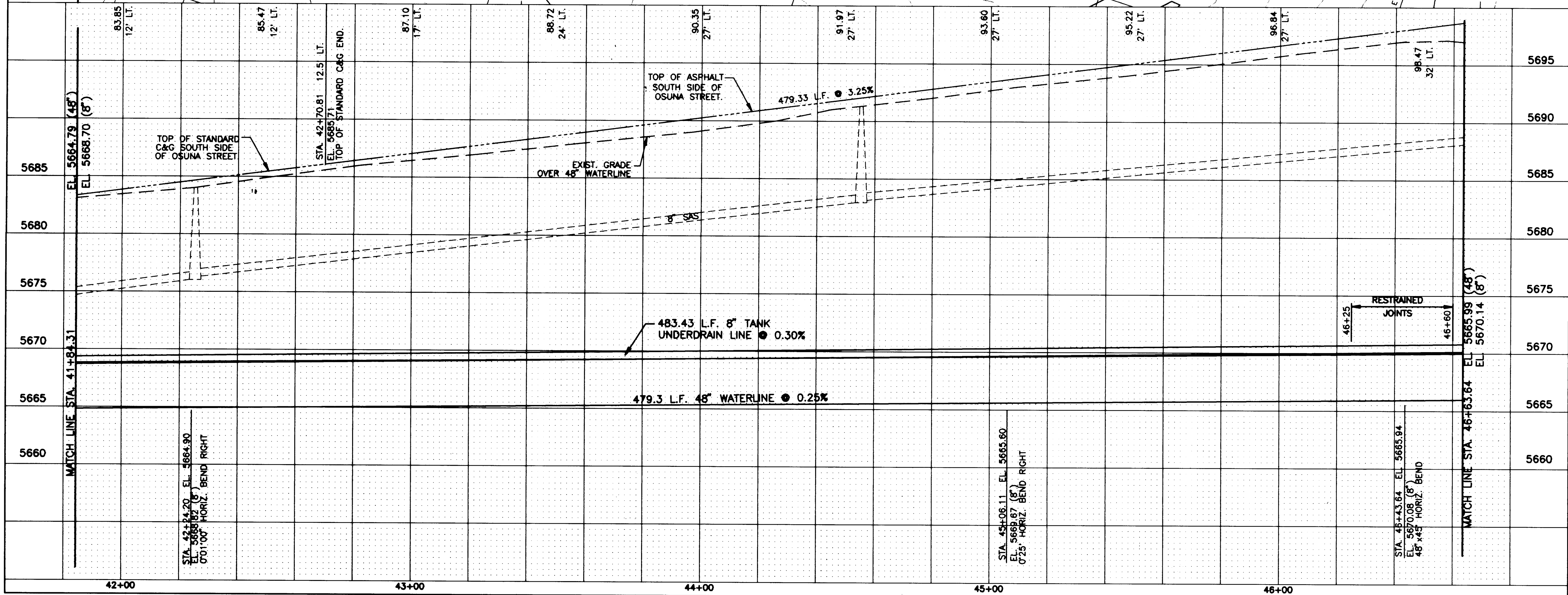
TITLE: 48" EQUALIZATION LINE
STA. 37+00.15 TO STA. 41+84.31
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>William B. Bales</i>	12-22-92	WATER	<i>William B. Bales</i>	12-22-92
TRANSPORTATION	<i>William B. Bales</i>	12-22-92	WASTEWATER	<i>William B. Bales</i>	12-22-92
HYDROLOGY	<i>William B. Bales</i>	12-22-92			

COA PROJECT NO. 4478.90 MAP NO. F-21 SHEET 40 OF 51

SCANNED BY
BY LASON

48ELPNP8.DWG



- NOTES:
- 1.) ALL STATIONING IS @ 48" EQUALIZATION LINE STATIONING.
 - 2.) SEE SHEET 49 FOR TYPICAL PIPE BEDDING DETAIL.
 - 3.) PROPOSED WATERLINE SLOPES ARE SHOWN FOR REFERENCES ONLY.
 - 4.) A TRENCH BOX OR TRENCH SUPPORT SYSTEM SHALL BE USED TO LIMIT REMOVAL WIDTHS AS SHOWN ON PLANS AND TO ACCOMMODATE LINE LOADING ADJACENT TO TRENCH. SEE SPECIFICATIONS-APPENDIX "A". SYSTEM MUST CONFORM TO OSHA STANDARDS.

BENCH MARKS		SURVEY INFORMATION	
THE BENCHMARK IS A STANDARD ACS BRASS	DATE	FIELD NOTES	BY
TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111	NO.		

ENGINEER'S SEAL

26 4478.904194

URS
CONSULTANTS, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

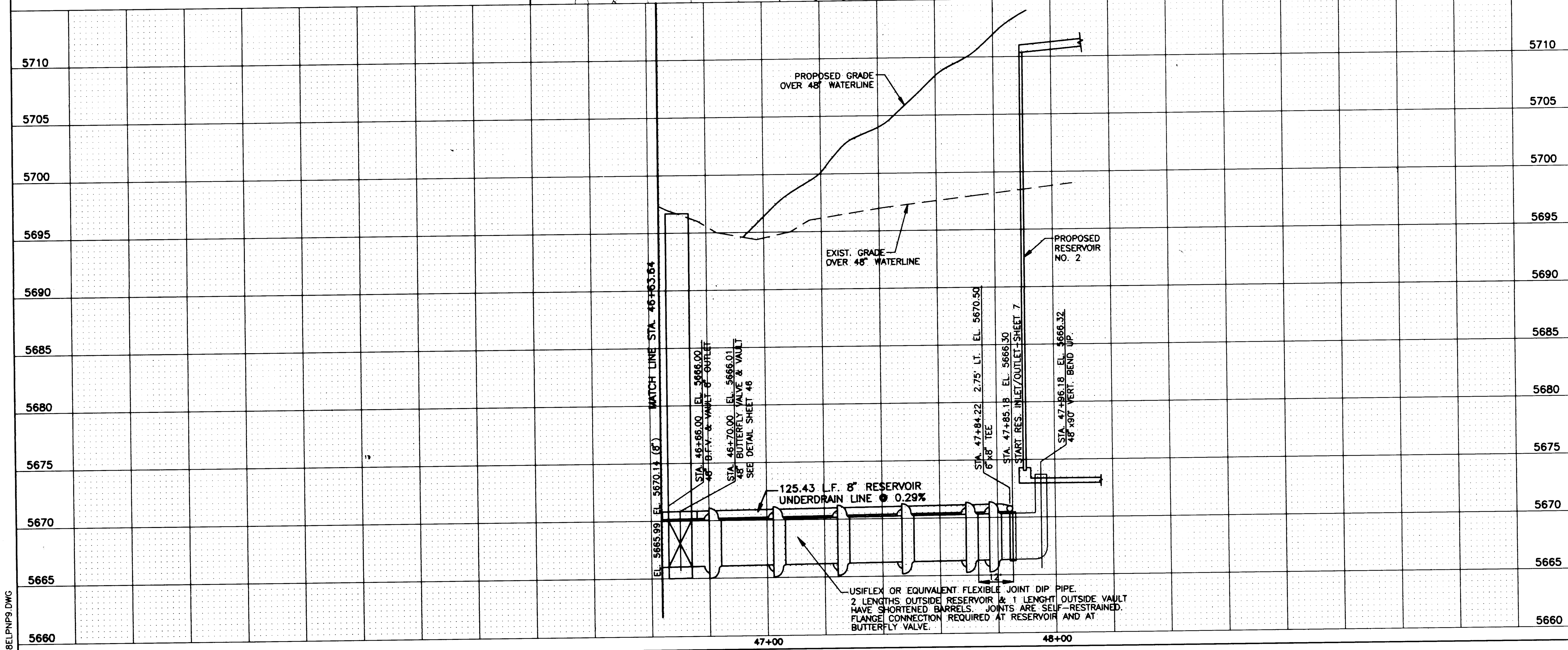
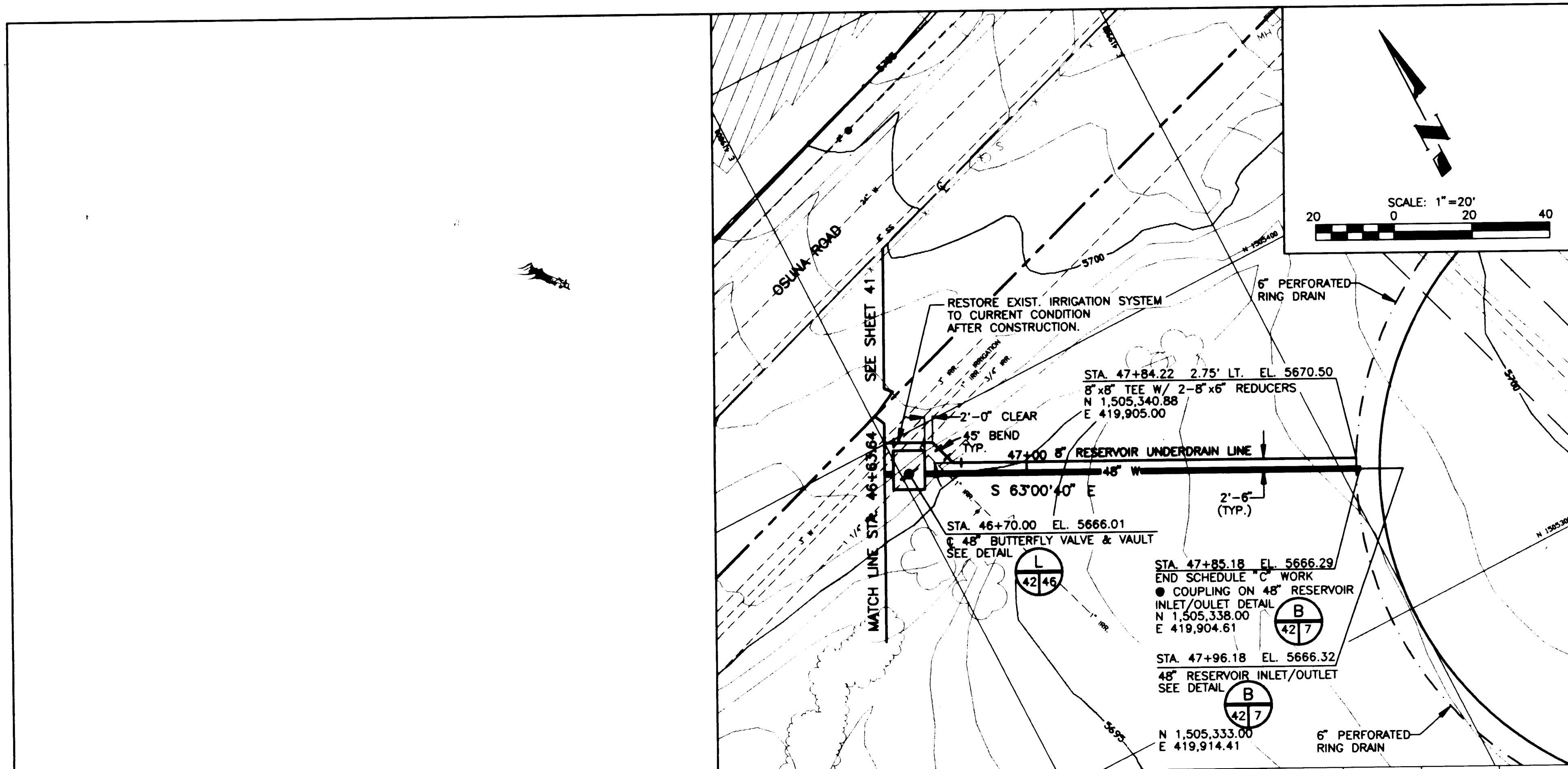
TITLE: **48" EQUALIZATION LINE**
STA. 41+84.31 TO STA. 46+63.64
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12-22-92			

COA PROJECT NO. 4478.90 MAP NO. F-21 SHEET 41 OF 51

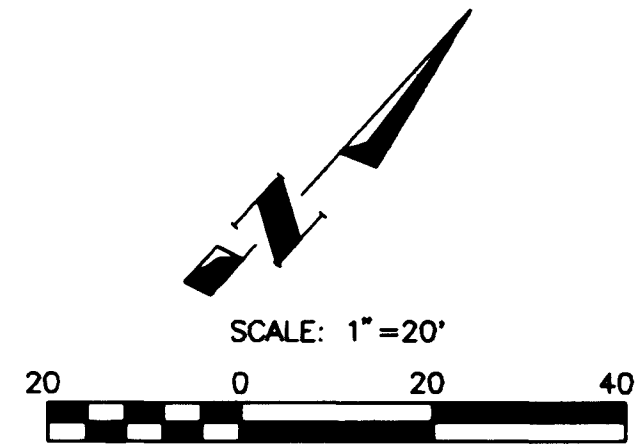
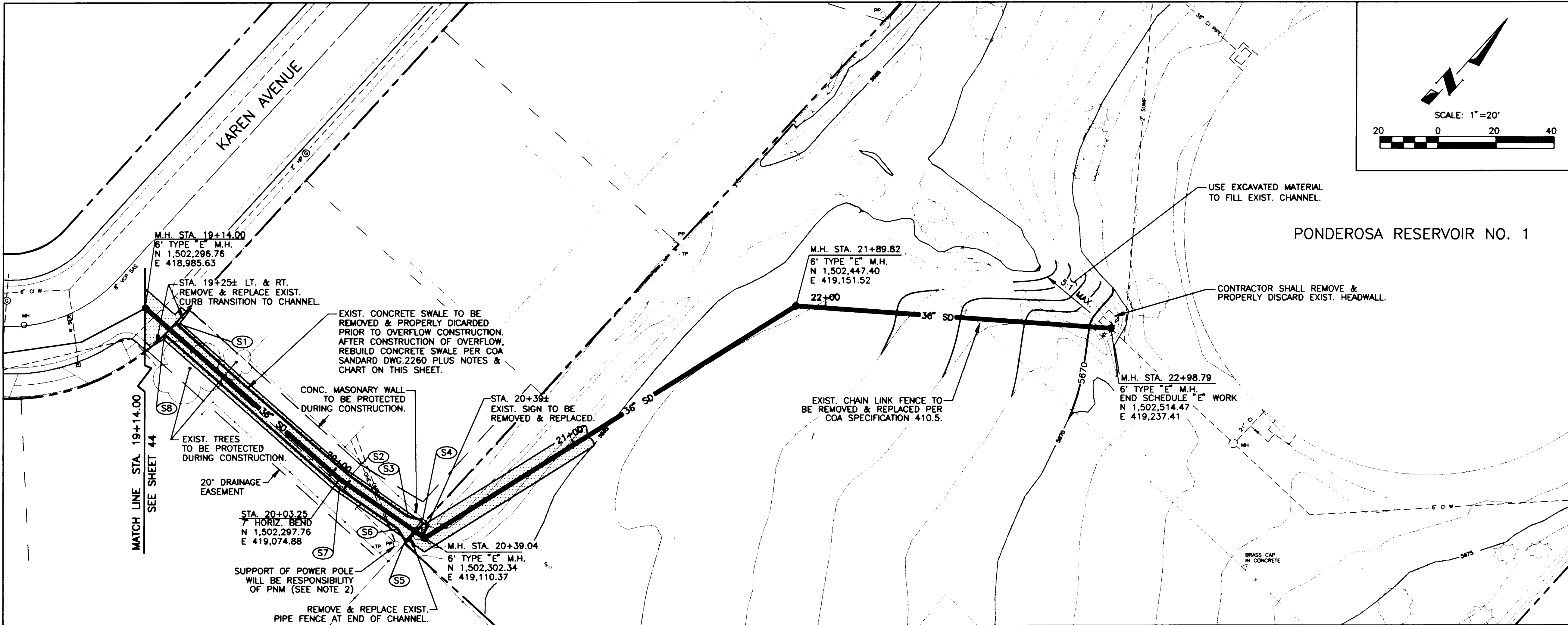
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	DATE	THE BENCHMARK IS A STANDARD ACS BRASS	DATE	FIELD NOTES	BY
WORK STATED BY	DATE	TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111	NO.		

SCANNED BY
BY LASON

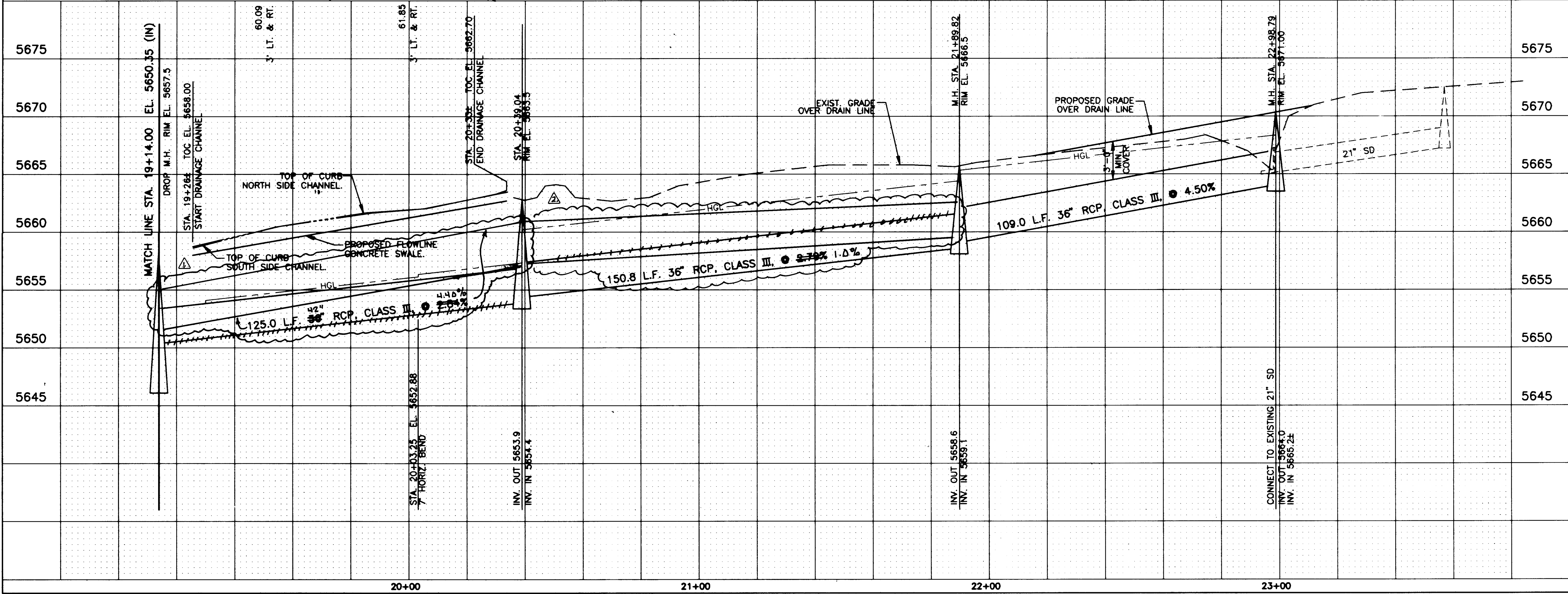


NOTES:

[illegible][illegible]



- NOTES:
- 1.) ALL STATIONING IS @ OVERFLOW/ DRAIN LINE STATIONING.
 - 2.) SEE SHEET 49 FOR TYPICAL PIPE BEDDING DETAIL.
 - 3.) ALL COSTS ASSOCIATED WITH THE SUPPORT OF PNM FACILITIES WILL BE THE RESPONSIBILITY OF THE REQUESTING CONTRACTOR. PLEASE PROVIDE A MINIMUM OF SEVEN (7) WORKING DAYS NOTICE PRIOR TO ANY CONSTRUCTION FOR SCHEDULING PURPOSES.
 - 4.) PROPOSED DRAIN LINE SLOPES ARE SHOWN FOR REFERENCES ONLY.
 - 5.) A TRENCH BOX OR TRENCH SUPPORT SYSTEM SHALL BE USED TO LIMIT REMOVAL WIDTHS AS SHOWN ON PLANS AND TO ACCOMMODATE LIVE LOADING ADJACENT TO TRENCH. SEE SPECIFICATIONS-APPENDIX "A". SYSTEM MUST CONFORM TO OSHA STANDARDS.



5" CONCRETE SWALE INFORMATION

POINT NO.	NORTHING	EASTING	T/C B/C ELEV.
S1	1,502,300.1250	418,997.1843	5658.00
S2	1,502,301.1930	419,077.0118	5661.53
S3	1,502,304.1230	419,100.8724	5662.60
S4	1,502,306.7250	419,105.5509	5662.70
S5	1,502,296.8170	419,106.1199	5662.70
S6	1,502,298.2100	419,101.3162	5662.60
S7	1,502,295.0710	419,077.2293	5661.53
S8	1,502,294.1950	418,996.7629	5658.00

- NOTES:
- 1.) USE CHANNEL TYPE "B" DESIGN.
 - 2.) CHANNEL DEPTH IS TO BE 9".
 - 3.) CHANNEL WIDTH IS TO BE 5'-0".

26 4478.904594

URS
CONSULTANTS, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: OVERFLOW/DRAIN LINE
STA. 19+14.00 TO STA. 22+98.79
PONDEROSA RESERVOIR NO. 1

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12/21/92			

COA PROJECT NO. 4478.90 MAP NO. G-21 SHEET 45 OF 51

UPPER NUT 
N.T.S.

LOWER NUT Z
N.T.S. 46 46

SECTION 13

END VIEW

NOTE: PIPE SUPPORT THICKNESS = 12"

CONCRETE PIPE SUPPORT

N.T.S.

S
46/46

CONNECTION AA
N.T.S. 46 | 46

BRACE & SUPPORT BB
NTS 46/46

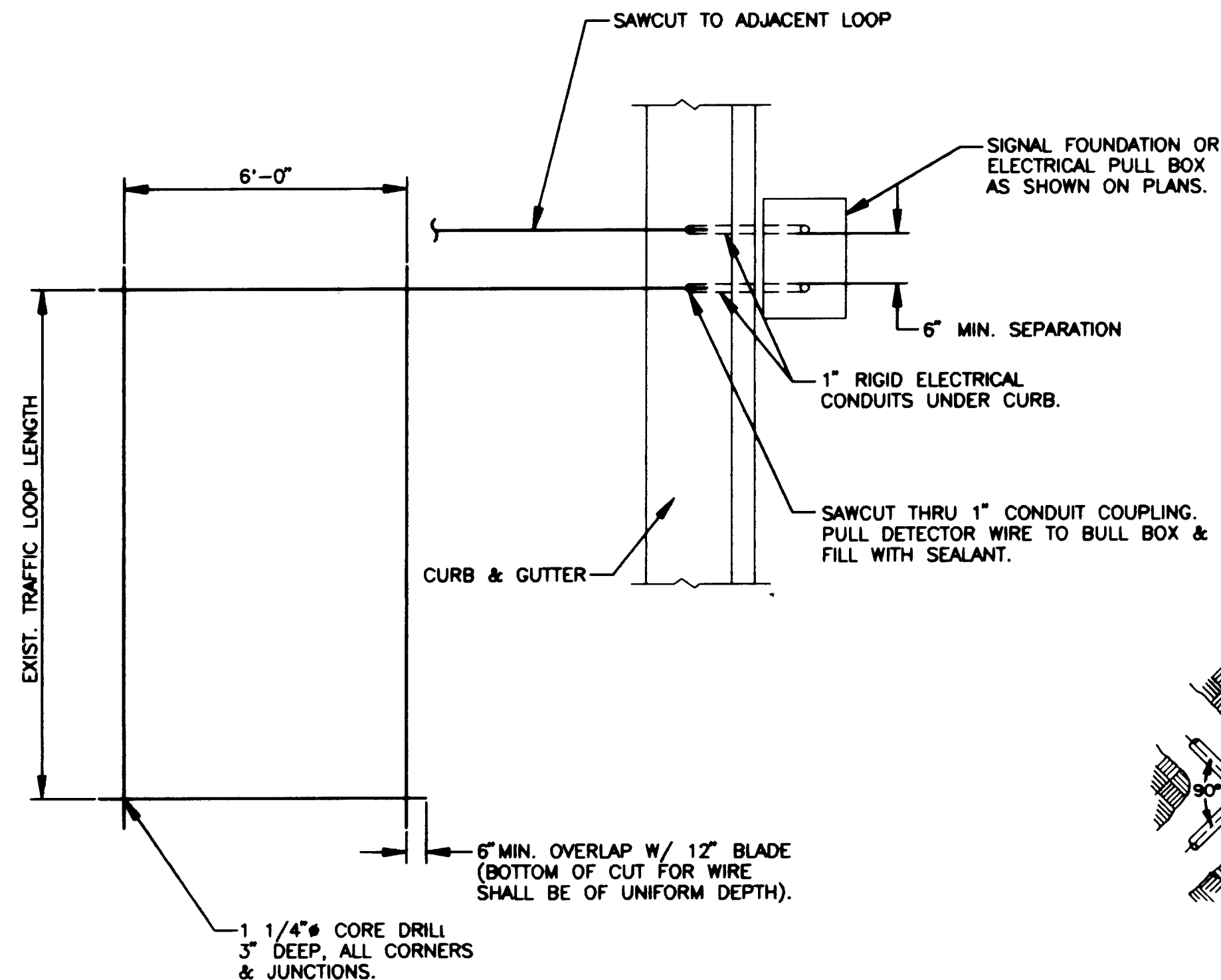
SECTION 10

PLAN

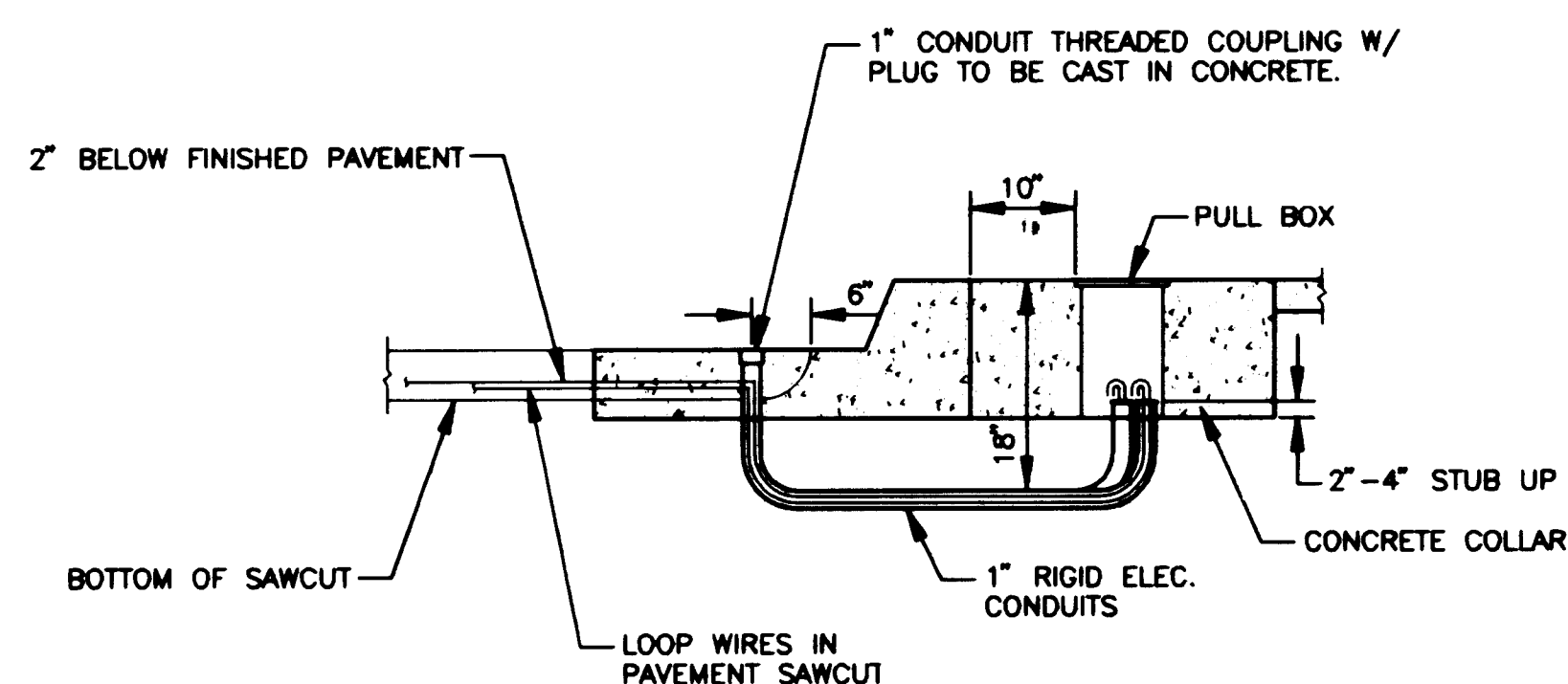
ROOF DETAIL

48" BUTTERFLY VALVE VAULT L

RECORD DRAINING				ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
APPROVALS		ENGINEER		DATE		FIELD NOTES		THE BENCHMARK IS A STANDARD ACS BRASS		CONTRACTOR	
WATER		William Balch		12-22-92		NO. BY DATE		TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E.		INSPECTOR'S	
5-10-94	VENT. TRANSITION	SMH.				DATE		THE BENCHMARK IS A STANDARD ACS BRASS		STAMPED BY	
5-10-94	12" DUCT CHANGE	SMH.				DATE		THE BENCHMARK IS		DATE	
5-10-94	ADD. EXLINDER	SMH.				DATE		WITH THE CURB. THE BENCHMARK IS		DATE	
5-10-94	TRANSERGER NOT INSTALLED	SMH.				DATE		LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN		DATE	
NO.	DATE	REMARKS		BY		DATE		ALBUQUERQUE, AT THE INTERSECTION OF		DATE	
DESIGNED BY		BAR/TRV		DATE		12-92		MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E.		DATE	
DRAWN BY		BLS		DATE		12-92		ELEVATION = 5636.111		DATE	
CHECKED BY		CWB/TRV		DATE		12-92				DATE	

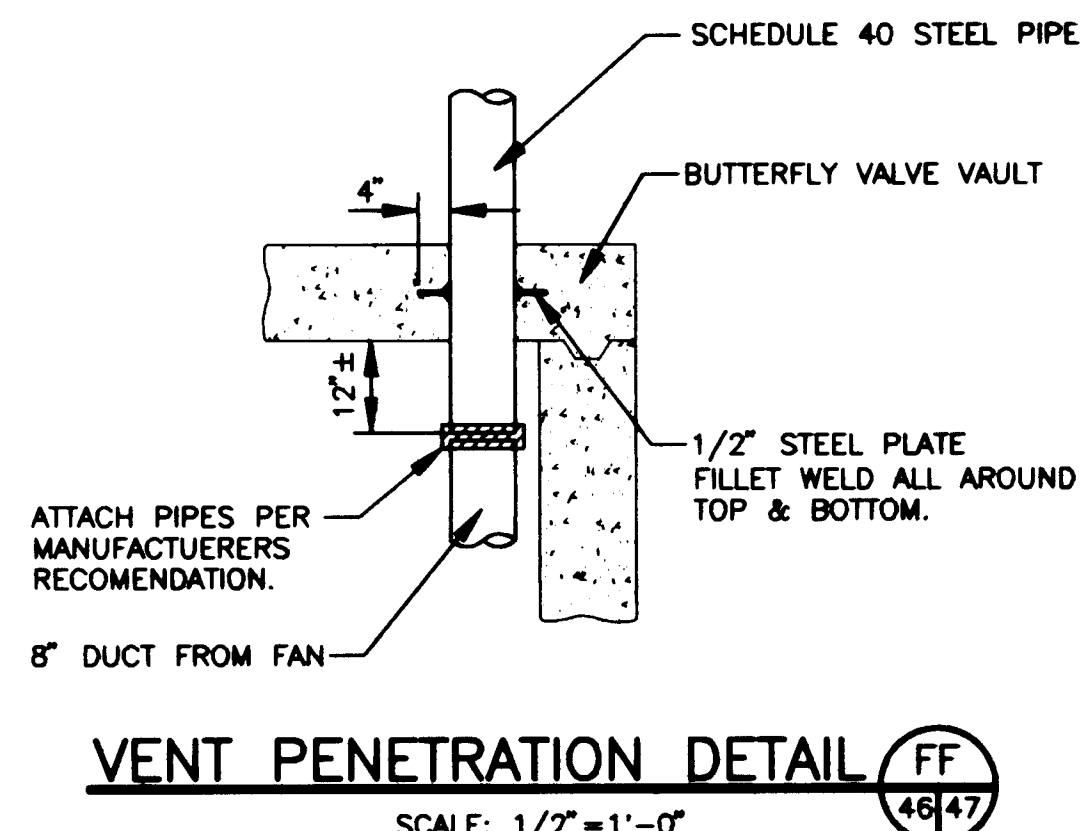


PLAN VIEW

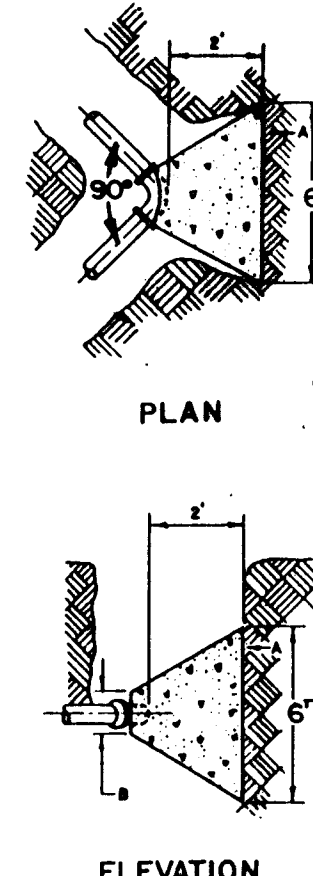


ELEVATION

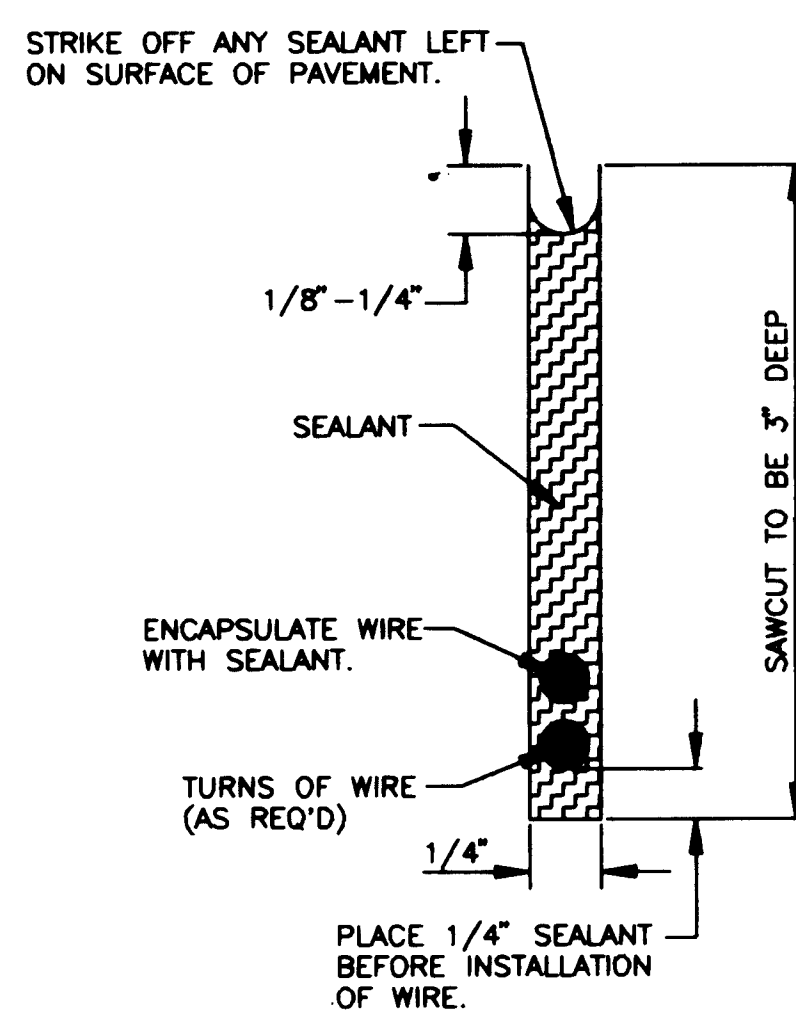
LOOP WIRE TERMINATION DETAILS
N.T.S.



VENT PENETRATION DETAIL
SCALE: 1/2" = 1'-0"

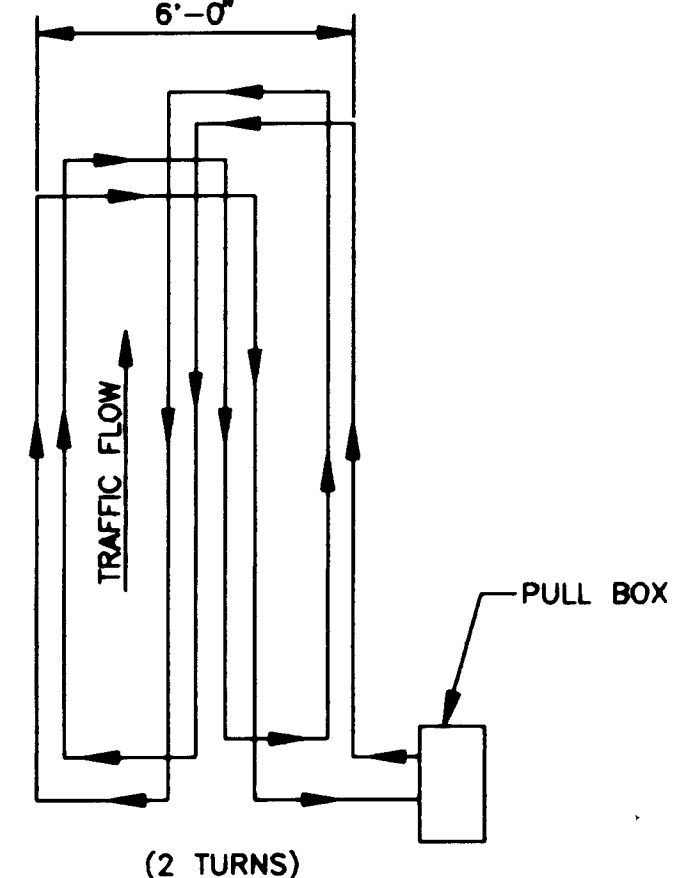


THRUST BLOCK DETAIL
N.T.S.



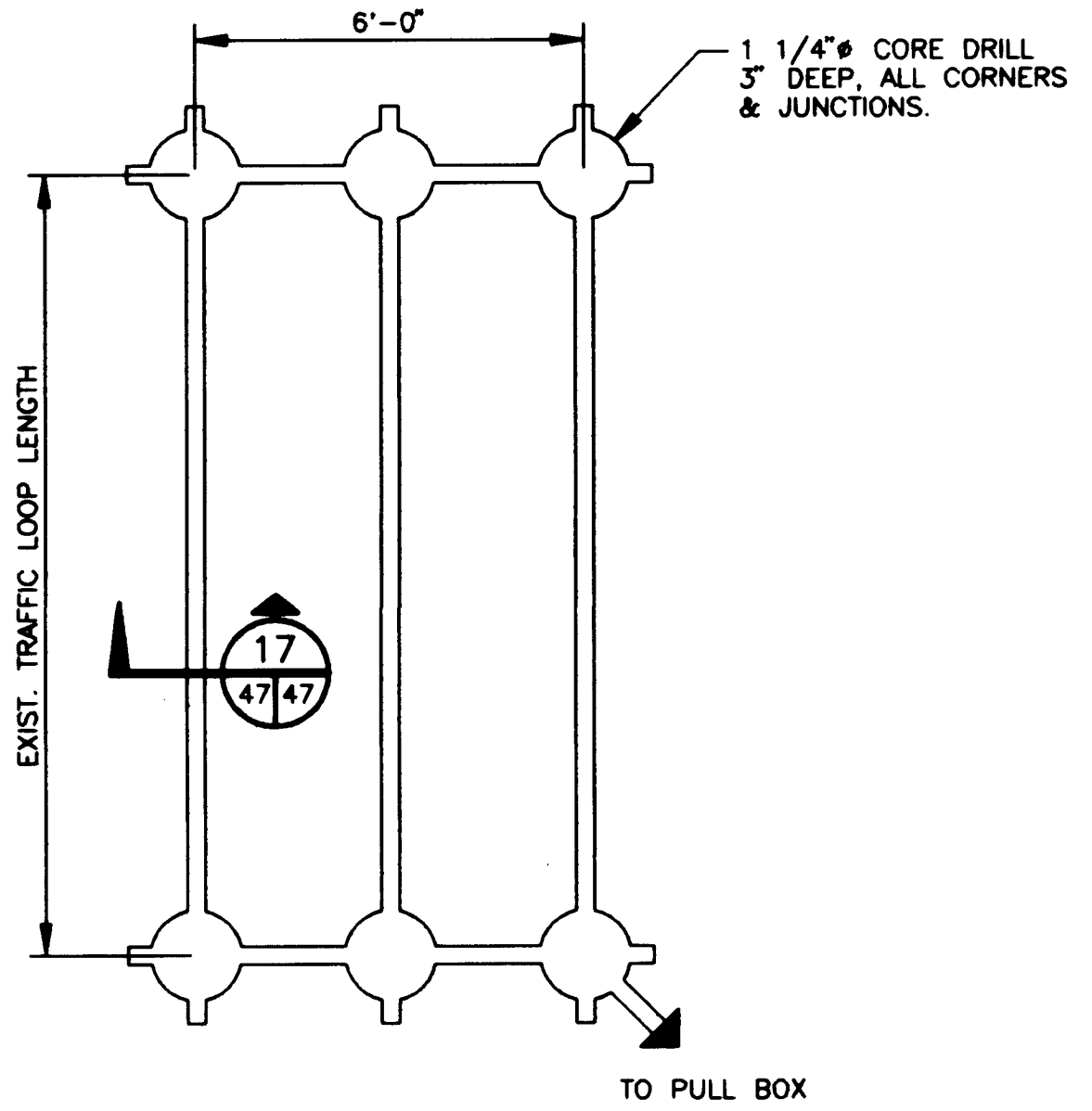
SECTION 17
47/47

TYPICAL ROADWAY LOOP SAWCUT DETAIL
N.T.S.



TYPICAL LOOP WIRE PLACEMENT DETAIL
N.T.S.

- NOTES:
- 1.) WIRES MUST BE WOUND IN THE DIRECTION SHOWN.
 - 2.) ALL 6x30, 6x40, & 6x50 LOOPS HAVE 2 TURNS. ALL 6x6 LOOPS HAVE 3 TURNS.



PLAN VIEW

NOTES:

- 1.) ALL LOOP DETECTOR WIRE SHALL BE #14 AWG STRANDED COPPER WIRE WITH CROSSLINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF I.M.S.A. SPECIFICATIONS NO. 51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE). A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAWCUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFCO SHALL BE AN ACCEPTABLE SEALANT ALTERNATIVE.
- 2.) ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY EACH CABLE BY LOOP AND PHASE NUMBER.
- 3.) GROUND LOOP LEAD IN CABLE SHIELDING IN CONTROL CABINET.
- 4.) SEPARATE 1" RIGID ELECTRICAL CONDUITS ARE REQ'D FOR EACH PAIR OF DETECTOR WIRES.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	NO.	THE BENCHMARK IS A STANDARD ACS BRASS	DATE	NO.	FIELD NOTES	DATE	NO.	REMARKS	DATE	NO.
WORK STAGED BY:	DATE		TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111								
FIELD ACCEPTANCE BY:	DATE										
DRAWINGS BY:	DATE										
CORRECTED BY:	DATE										
RECORDED BY:	DATE										
NO.											

26 4478.904794

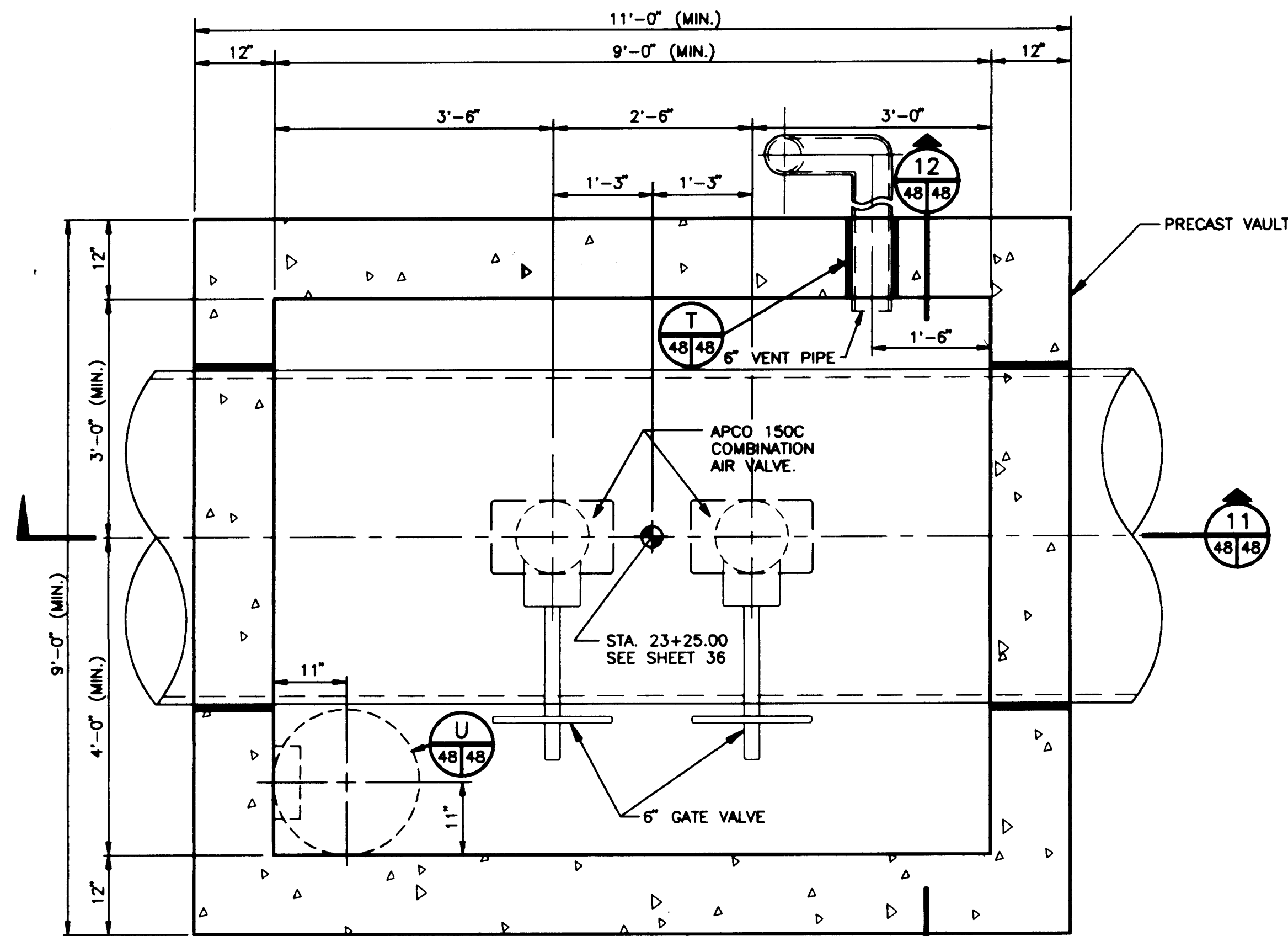
URS CONSULTANTS, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

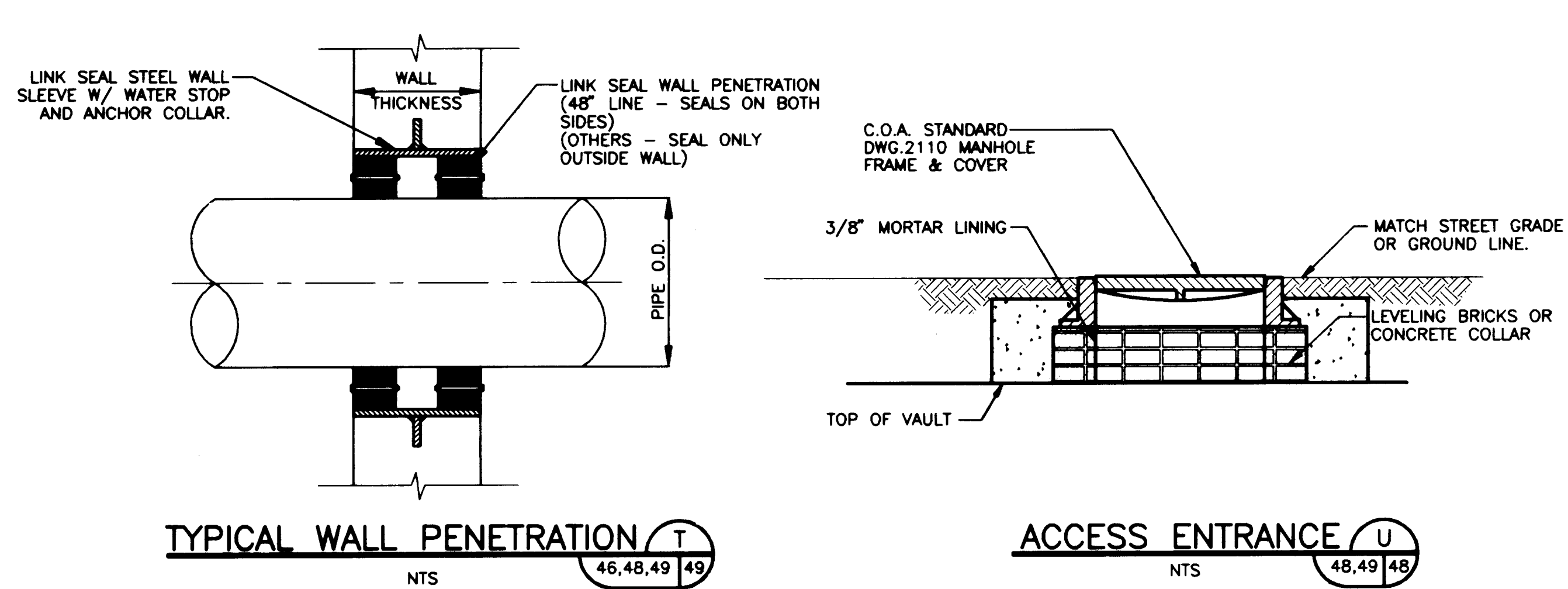
TITLE: TRAFFIC CONDUIT DETAILS & VENT PIPE PENETRATION
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	William B. Bales	12-22-92	WATER	William B. Bales	12-22-92
TRANSPORTATION	William B. Bales	12-22-92	WASTEWATER	William B. Bales	12-22-92
HYDROLOGY	William B. Bales	12-22-92			

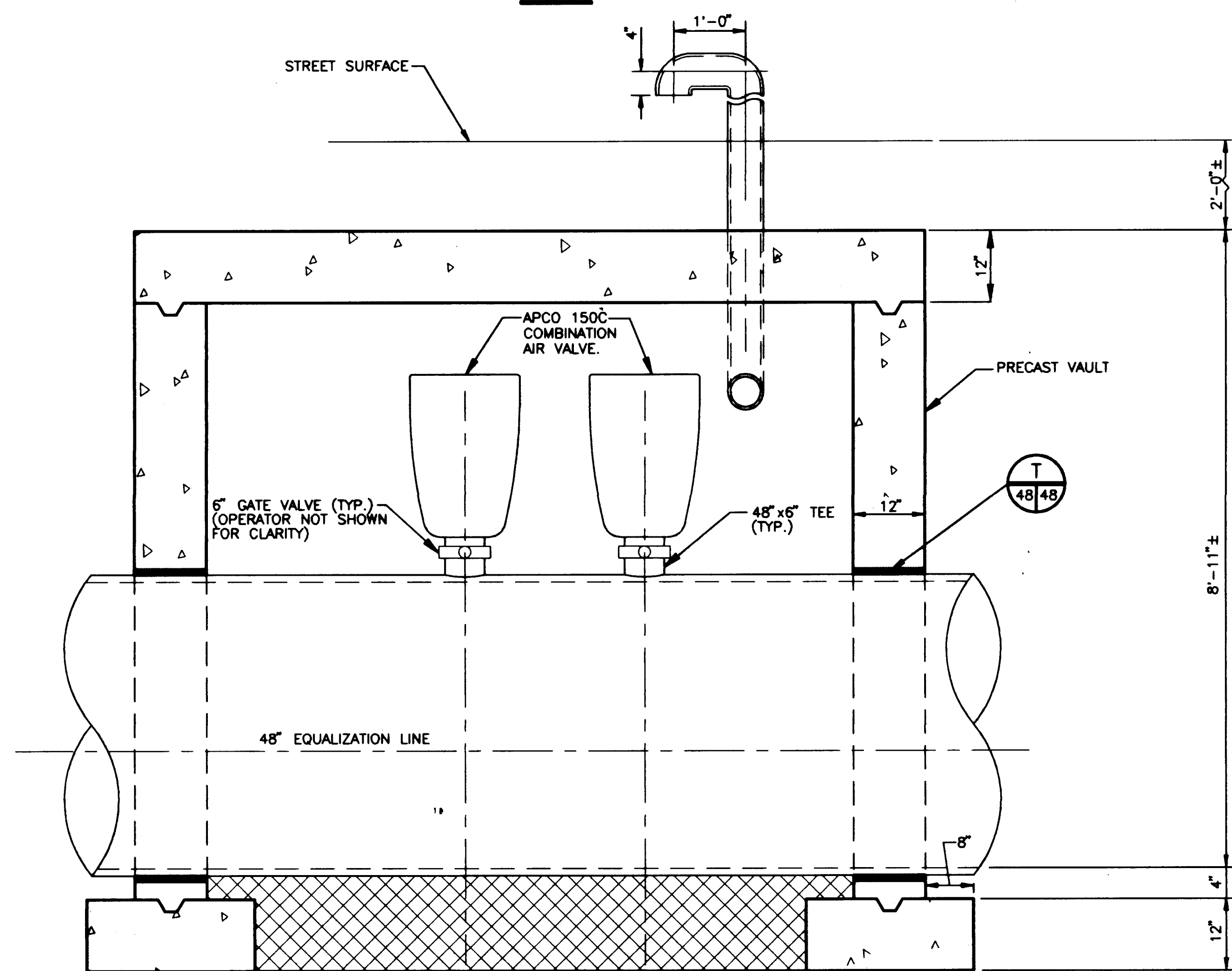
COA PROJECT NO. 4478.90 MAP NO. N/A SHEET 47 OF 51



PLAN

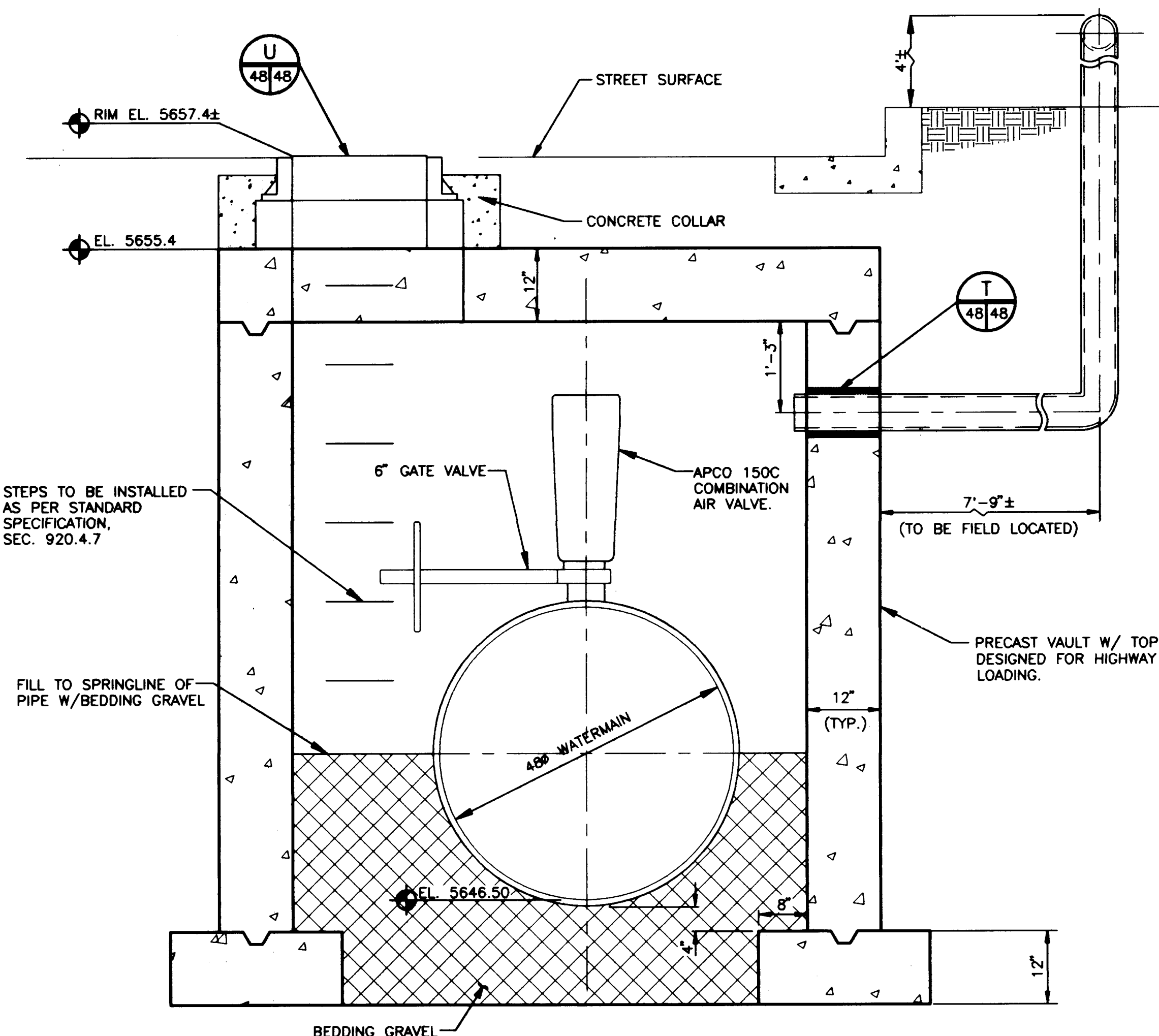


NOTE: CONSULT MANUFACTURER FOR PROPER SIZING OF STEEL SLEEVE AND LINK SEAL FOR PIPE OUTSIDE DIAMETER. SLEEVE WILL HAVE TO BE INSTALLED BY PRECAST CONTRACTOR



SECTION 11
48/48

AIR VACUUM VALVE VAULT
SCALE: 3/4" = 1'-0"



SECTION 12
48/48

2.6 4478.904894
URS
CONSULTANTS, INC.

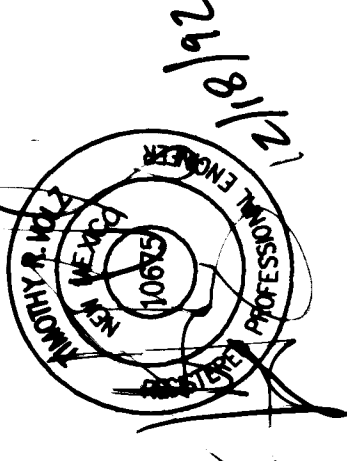
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AIR VACUUM VALVE VAULT,
ACCESS ENTRANCE & WALL PENETRATION
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12/22/92			

COA PROJECT NO.	4478.90	MAP NO.	N/A	SHEET	48 OF 51
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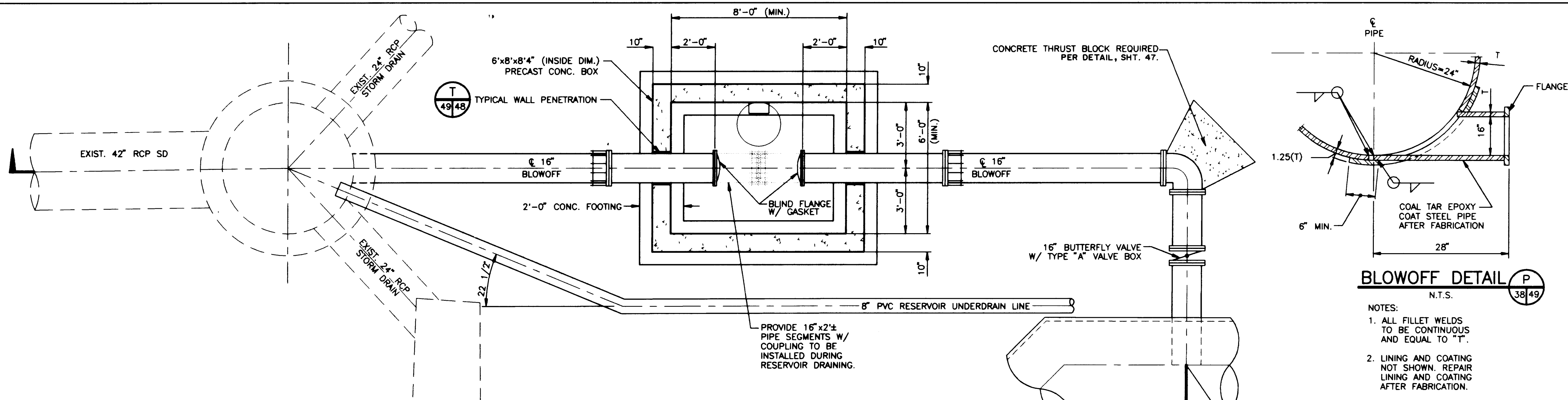
SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
NO.	BY	DATE	THE BENCHMARK IS A STANDARD ACS BRASS	TABLET STAMPED "10-G21", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E.	ELEVATION = 5636.111	CONTRACTOR	WORK	DATE
							STAMPED BY	DATE
							ACCEPTANCE BY	DATE
							FIELD LOCATION BY	DATE
							DRAWINGS CORRECTED BY	DATE
							MICRO-FILM INFORMATION	DATE
							RECORDED BY	DATE
							NO.	



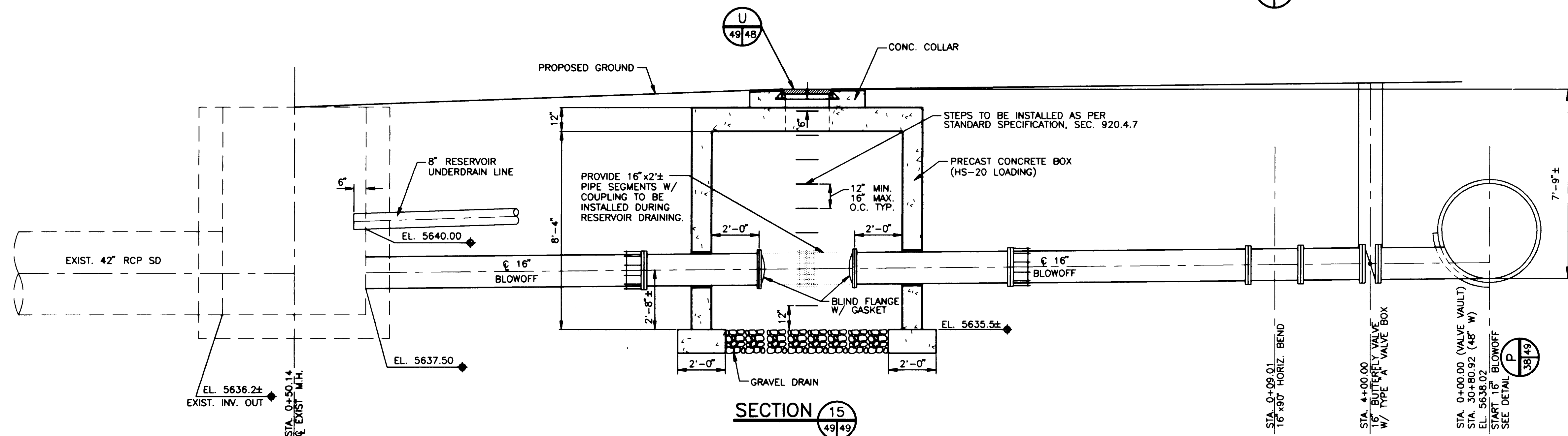
NO.	DATE	REVISIONS	BY
		DESIGN	
		BAR/TRV	
		BLS	
		CWB/TRV	

SCANNED BY
BY LASON

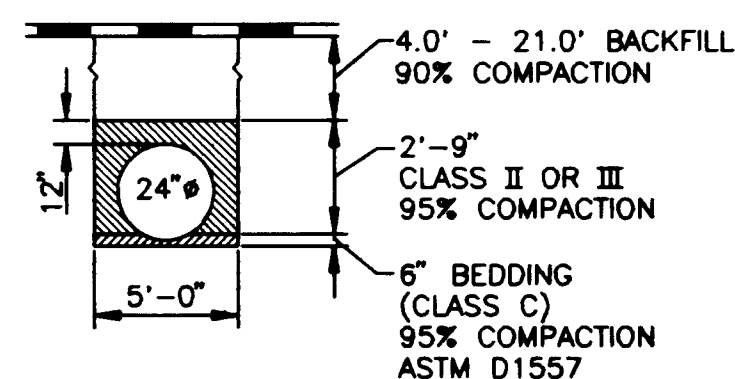
BKLEP.VNT.DWG



PLAN
(TOP OF PRECAST BOX
REMOVED FOR CLARITY)

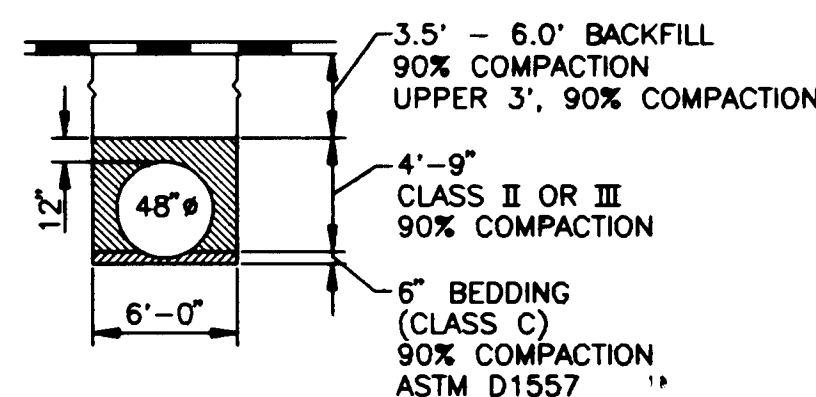


SECTION 15
BACKFLOW PREVENTER VALVE VAULT
SCALE: 3/8\"/>



24" WATERLINE
TYPICAL PIPE BEDDING

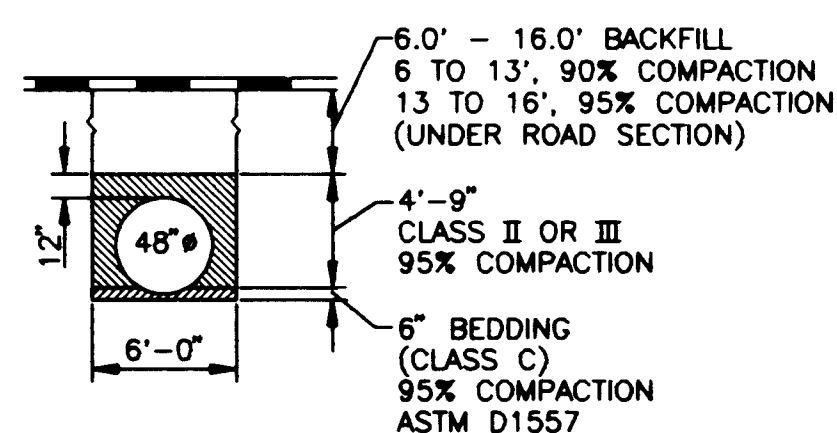
N.T.S.



STA. 10+00 - STA. 19+00
STA. 24+00 - STA. 26+50
STA. 28+00 - STA. 39+00
(E' = 700psi)

48" EQUALIZATION LINE TYPICAL PIPE BEDDING

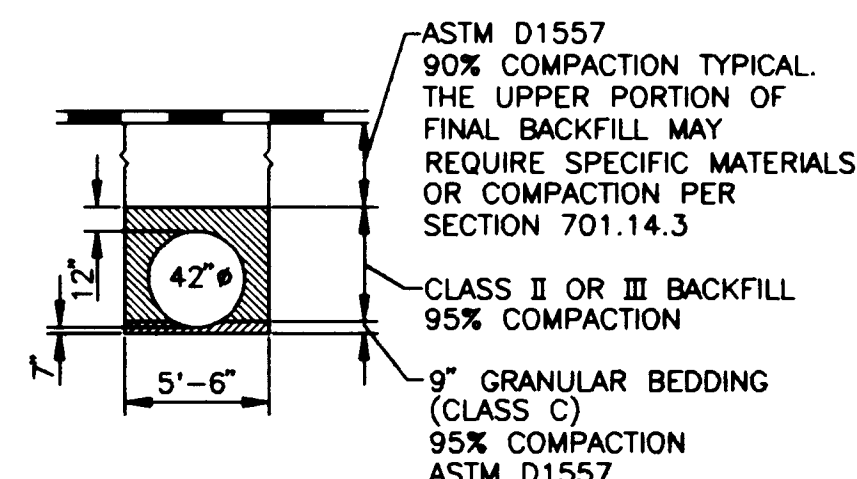
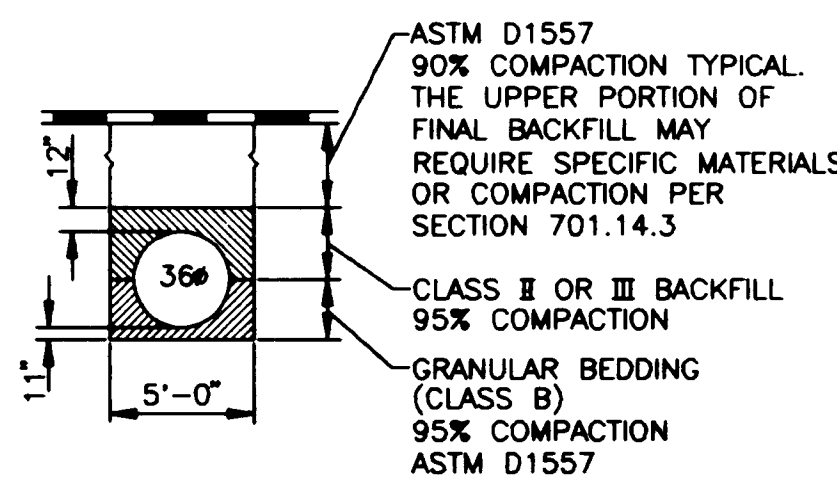
N.T.S.



STA. 19+00 - STA. 24+00
STA. 26+50 - STA. 28+00
STA. 39+00 - STA. 46+70
(E' = 1000psi)

RES. NO. 1 OVERFLOW TYPICAL PIPE BEDDING

N.T.S.



BLOWOFF DETAIL
N.T.S.

- NOTES:
1. ALL FILLET WELDS TO BE CONTINUOUS AND EQUAL TO "T".
 2. LINING AND COATING NOT SHOWN. REPAIR LINING AND COATING AFTER FABRICATION.

SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
FIELD NOTES			THE BENCHMARK IS A STANDARD ACS BRASS			CONTRACTOR		
NO.	BY	DATE	TABLET STAMPED "10-621", SET FLUSH WITH THE CURB. THE BENCHMARK IS LOCATED 8.0 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE, AT THE INTERSECTION OF MONTGOMERY BLVD. N.E. AND MORRIS ST. N.E. ELEVATION = 5636.111			WORK	DATE	DATE
						STAMPED BY	DATE	DATE
						FIELD	DATE	DATE
						ACCEPTANCE BY	DATE	DATE
						DRAWINGS BY	DATE	DATE
						CHECKED BY	DATE	DATE
						MICRO-FILM INFORMATION		
						RECORDED BY	DATE	DATE
						NO.		

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
12/18/92

REVISIONS			REMARKS		
NO.	DATE	BY			
			DESIGNED	DATE 12-92	
			DRAWN BY	DATE 12-92	
			CHECKED BY	DATE 12-92	

26 4478.904994

8/10/2004

URS
CONSULTANTS, INC.

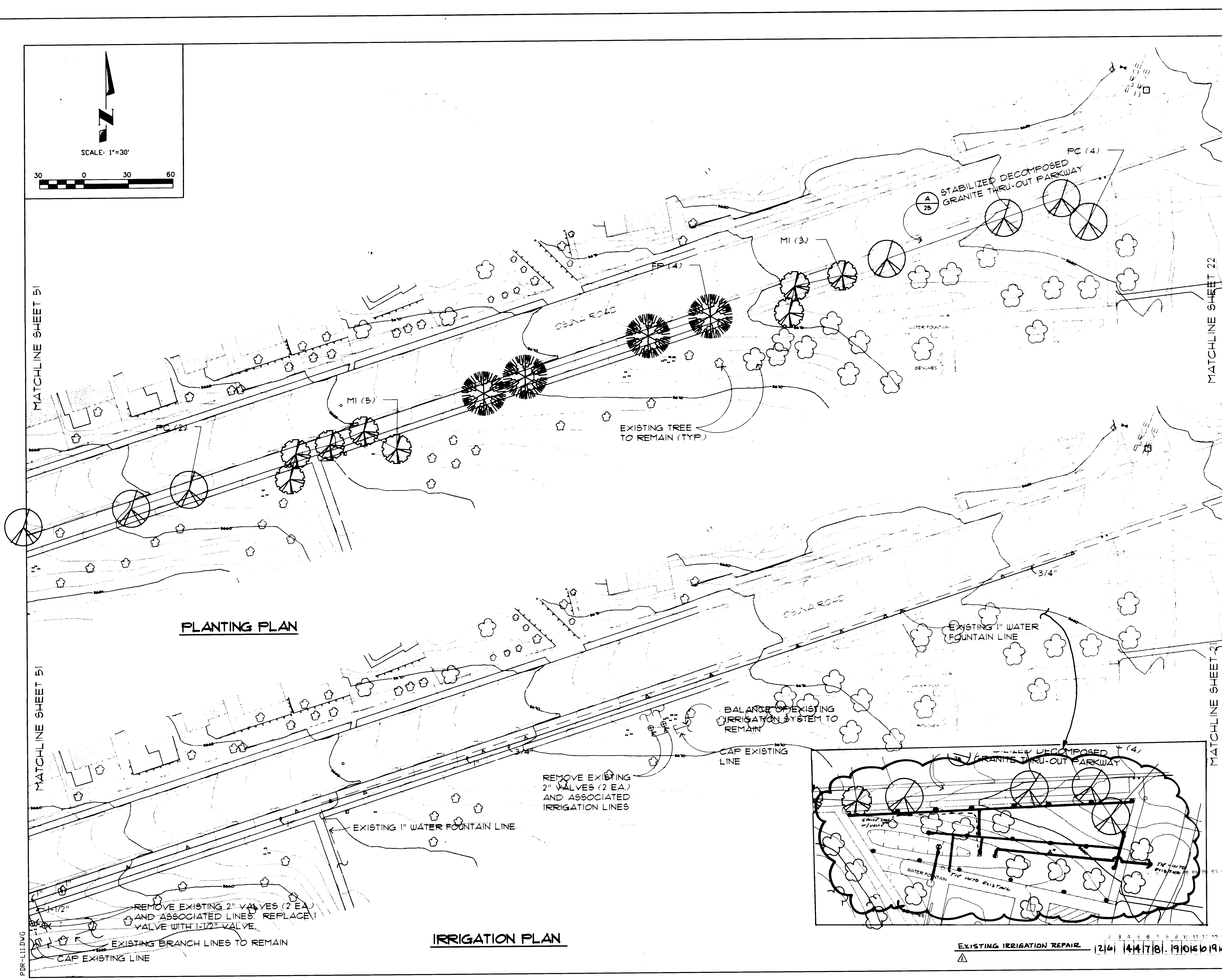
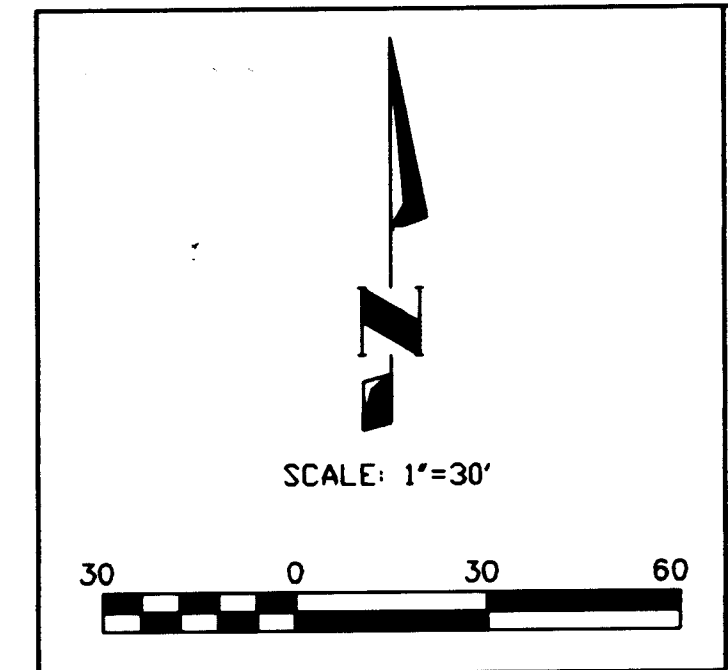
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: 16" BLOWOFF/BACKFLOW PREVENTER VAULT
& TRENCH BEDDING DETAILS
PONDEROSA RESERVOIR NO. 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>	12-22-92	WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12-22-92			

COA PROJECT NO.	MAP NO.	SHEET	OF
4478.90	N/A	49	51

SCANNED BY
BY LASON



- PLANTING NOTES**
1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF ALBUQUERQUE PARK MANAGEMENT DIVISION (851-8650).
 2. SEE SHEET 21 FOR PLANT LEGEND AND PLANTING NOTES.
 3. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING TURF BETWEEN BACK OF CURB AND FACE OF SIDEWALK. REPLACE W/ 4" DEPTH OF STABILIZED DECOMPOSED GRANITE.
 4. CONTRACTOR SHALL REPLACE EXISTING TURF W/ BLUEGRASS/FESCUE SOD AS NEEDED DUE TO RELOCATION OF EXISTING WATER FOUNTAIN LINE AND OTHER CONSTRUCTION.
 5. CONTRACTOR SHALL FIELD ADJUST LOCATIONS OF PROPOSED TREES IN TURF AREAS AS NEEDED TO AVOID DAMAGE TO EXISTING IRRIGATION HEADS, LINES, AND OTHER ASSOCIATED EQUIPMENT.

- PLANTING NOTES**
1. CONTRACTOR SHALL REMOVE EXISTING LATERAL LINES, HEADS, AND ASSOCIATED EQUIPMENT FROM EXISTING TURF IRRIGATION SYSTEM THRU-OUT PARKWAY. HEADS ARE LOCATED ON BOTH SIDES OF PARKWAY @ 10' O.C. (264 EA.) LATERAL LINES ARE LOCATED CONTINUOUSLY AT BOTH SIDES OF THE PARKWAY AND TEE INTO HEAD RISERS (12950 LF). CONTRACTOR SHALL CAP LINES FEEDING PARKWAY SYSTEM AFTER REMOVAL OF VALVES (EXCEPT WHERE NEW CONTROL VALVE IS INSTALLED FOR PROPOSED BUBBLER SYSTEM). CONTRACTOR SHALL COORDINATE RE-PROGRAMMING OF EXISTING IRRIGATION CONTROLLER WITH CITY OF ALBUQUERQUE PARK MANAGEMENT (851-8650).
 2. EXISTING 1" WATER FOUNTAIN LINE SHALL BE RELOCATED AS NEEDED DUE TO CONSTRUCTION AND INSTALLATION OF TREES. CONTRACTOR SHALL MAINTAIN SERVICE THRU 1" WATER FOUNTAIN LINE THRU-OUT CONSTRUCTION.

URS
CONSULTANTS, INC.

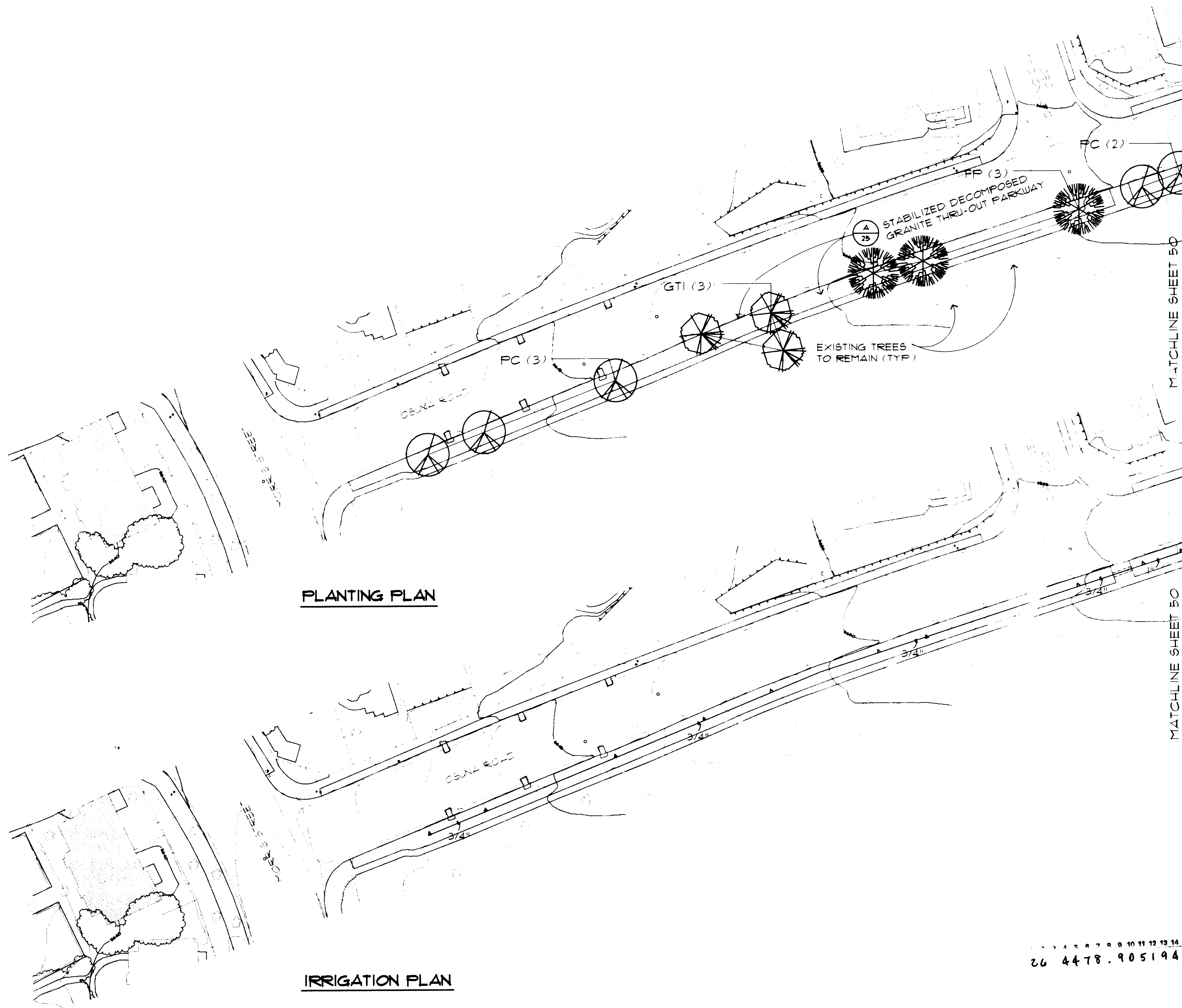
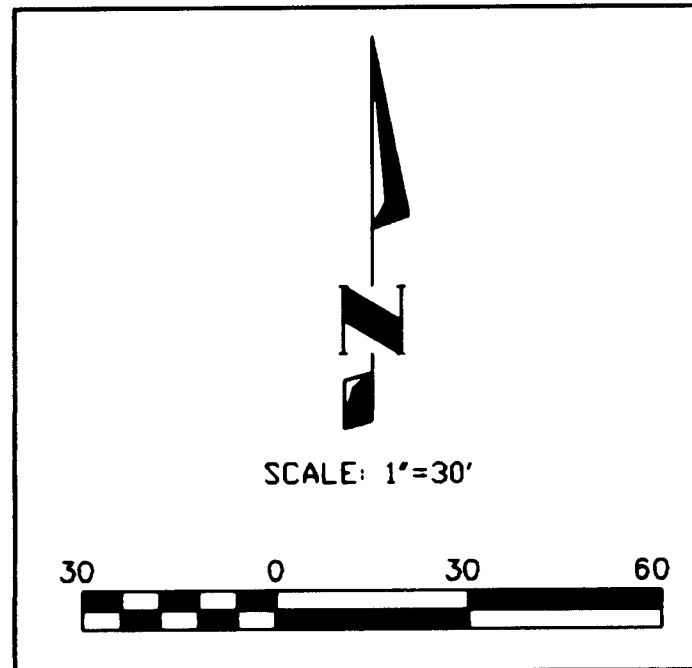
MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 266-2286 FAX: 505 266-9837

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: PONDEROSA RESERVOIR NO. 2 STREETSCAPE LANDSCAPE PLAN, EAST					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>3.4. Gooden</i>	12-22-92	WATER	<i>William Baker</i>	12-22-92
TRANSPORTATION			WASTEWATER	<i>William Baker</i>	12-22-92
HYDROLOGY	<i>Thomas</i>	12/22/92			
PROJECT NO.	4478.90		MAP NO.	F-21	SHEET OF 50 51

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		RECORD DRAWING		REVISIONS	
CONTRACTOR	EMCI, INC.	NO.	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE
STATED BY	C.O.A.										
ACCEPTANCE BY	G.M.H.										
VERIFICATION BY	G.M.H.										
DRAWINGS	G.M.H.										
CORRECTED BY	G.M.H.										
RECORDED BY											
NO.											

STATE OF NEW MEXICO
ELIZABETH C. FISH
LANDSCAPE ARCHITECT
12/22/92

DESIGNED BY BHM DATE 12/92
DRAWN BY RHT DATE 12/92
CHECKED BY ECR DATE 12/92



- PLANTING NOTES**
1. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF ALBUQUERQUE PARK MANAGEMENT DIVISION (857-8650).
 2. SEE SHEET 21 FOR PLANT LEGEND AND PLANTING NOTES.
 3. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING TURF BETWEEN BACK OF CURB AND FACE OF SIDEWALK. REPLACE W/ 4" DEPTH STABILIZED DECOMPOSED GRANITE.
 4. CONTRACTOR SHALL REPLACE EXISTING TURF W/ BLUEGRASS/FESCUE SOD AS NEEDED DUE TO RELOCATION OF EXISTING WATER FOUNTAIN LINE AND OTHER CONSTRUCTION.
 5. CONTRACTOR SHALL FIELD ADJUST LOCATIONS OF PROPOSED TREES IN TURF AREAS AS NEEDED TO AVOID DAMAGE TO TO EXISTING IRRIGATION HEADS, LINES, AND OTHER ASSOCIATED EQUIPMENT.

- PLANTING NOTES**
1. CONTRACTOR SHALL REMOVE EXISTING LATERAL LINES, HEADS, AND ASSOCIATED EQUIPMENT FROM EXISTING TURF IRRIGATION SYSTEM THRU-OUT PARKWAY. HEADS ARE LOCATED ON BOTH SIDES OF PARKWAY @ 10' O.C. (264 EA). LATERAL LINES ARE LOCATED CONTINUOUSLY AT BOTH SIDES OF THE PARKWAY AND TEE INTO HEAD RISERS (12950 LF). CONTRACTOR SHALL CAP LINES FEEDING PARKWAY SYSTEM AFTER REMOVAL OF VALVES (EXCEPT WHERE NEW CONTROL VALVE IS INSTALLED FOR PROPOSED BUBBLER SYSTEM). CONTRACTOR SHALL COORDINATE RE-PROGRAMMING OF EXISTING IRRIGATION CONTROLLER WITH CITY OF ALBUQUERQUE PARK MANAGEMENT (857-8650).
 2. EXISTING 1" WATER FOUNTAIN LINE SHALL BE RELOCATED AS NEEDED DUE TO CONSTRUCTION AND INSTALLATION OF TREES. CONTRACTOR SHALL MAINTAIN SERVICE THRU 1" WATER FOUNTAIN LINE THRU-OUT CONSTRUCTION.

RECORD DRAWING
5/10/2019

URS
CONSULTANTS, INC.

MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
Albuquerque, N.M. 87106
TEL: 505 266-5285 FAX: 505 265-9837

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **PONDEROSA RESERVOIR NO. 2
STREETSCAPE LANDSCAPE PLAN, WEST**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12-22-92	WATER	<i>[Signature]</i>	12-22-92
TRANSPORTATION	<i>[Signature]</i>		WASTEWATER	<i>[Signature]</i>	12-22-92
HYDROLOGY	<i>[Signature]</i>	12-22-92			
PROJECT NO.	4478.90	MAP NO. F-21	SHEET 51	OF 51	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACTOR	DATE	MARKED BY	DATE	NO.	BY	NO.	BY		
RECEIVED BY	DATE	ACCEPTANCE BY	DATE						
DRAWINGS	DATE	VERIFICATION BY	DATE					REVISIONS	BY
CORRECTED BY	DATE							DESIGN	DATE
RECORDED BY	DATE							DRAWN BY	DATE
NO								CHECKED BY	DATE