

CITY OF ALBUQUERQUE

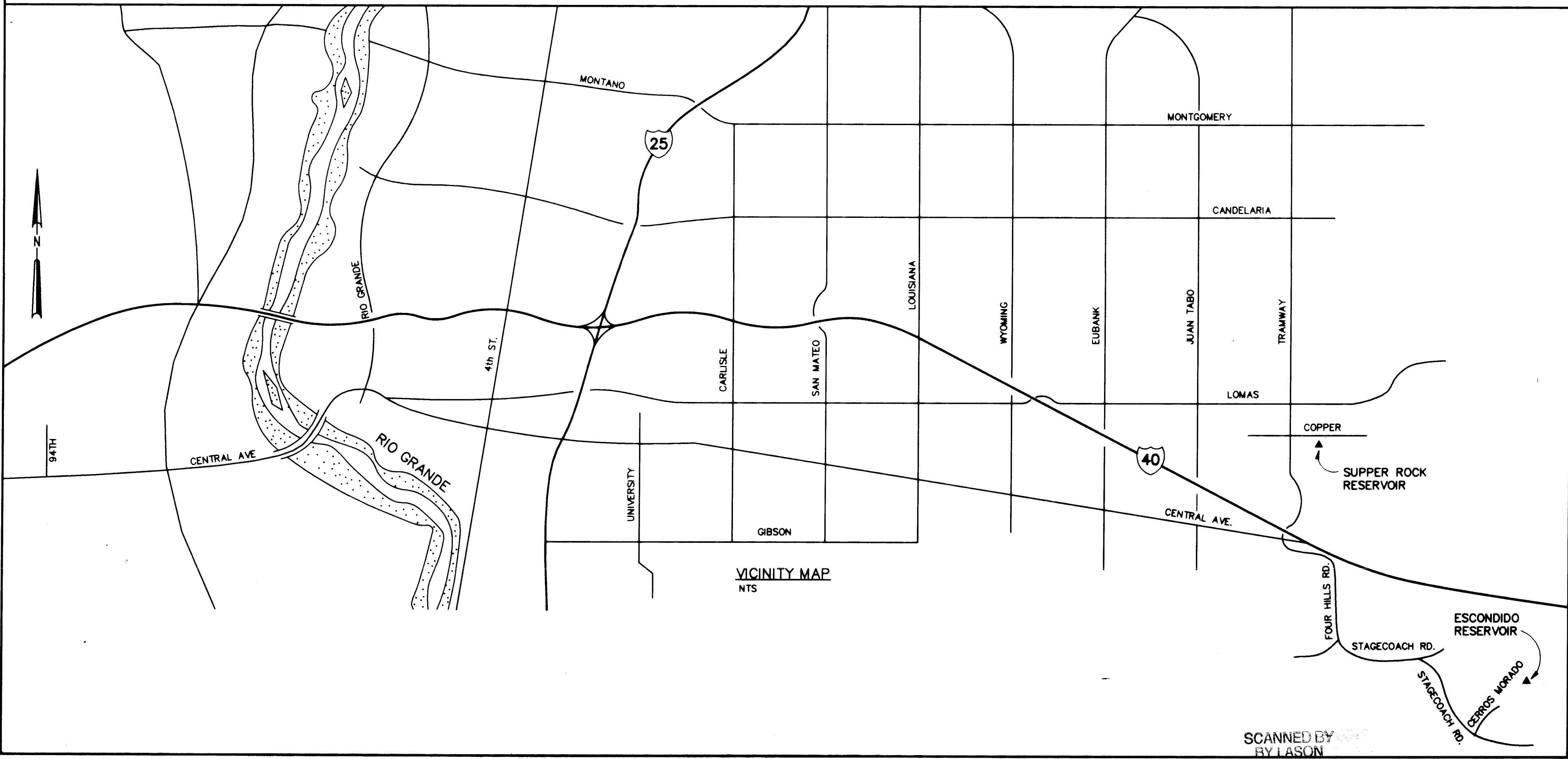
SUPPER ROCK AND ESCONDIDO RESERVOIRS

WATER SYSTEM REHABILITATION



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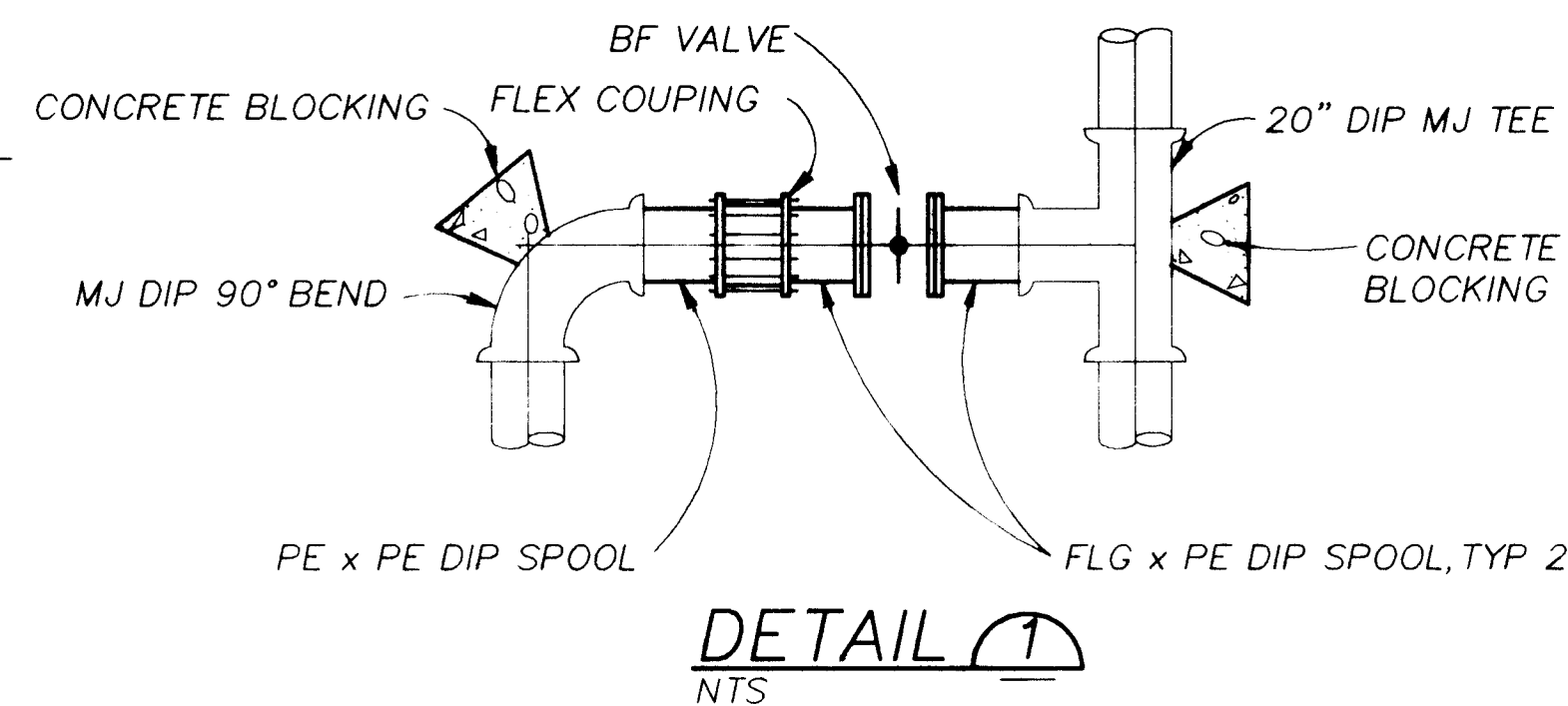


APPROVAL OF RECORD
DRAWINGS
PROJECT ENGINEER
DATE 11/24/94

RECORD DRAWINGS
Revisions Drawn by R. GONZALES Date 10/12/94
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.

26 4366.970194

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT	DATE	USER DEPT	DATE
APPROVAL OF REVISIONS							
		 CH2M HILL 6121 Indian School Rd, NE Suite 122 Albuquerque, New Mexico 87110 (505) 884-5600		APPROVED FOR CONSTRUCTION <i>Stella J. Nunez</i> 7/20/93 CE			
PROJECT NO. 4366.97				SHEET 1 OF 12			




1. CONTRACTOR SHALL TAKE PRECAUTIONS PRIOR TO FABRICATION, SOME INTERFERENCES MAY EXIST BETWEEN NEW AND EXISTING MATERIALS. CONSULT ENGINEER FOR RESOLUTION OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL TAKE PRECAUTIONS SO AS NOT TO DAMAGE EXISTING FACILITIES, EQUIPMENT AND LANDSCAPING DURING CONSTRUCTION. ANY DAMAGE DUE TO CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE SOLE COST OF THE CONTRACTOR. NOT ALL UTILITIES ARE SHOWN.
3. SITE PLAN LAYOUT SHOWING EXISTING LOCATIONS OF FACILITIES WAS DEVELOPED FROM ORIGINAL CONSTRUCTION DRAWINGS AND IN SOME CASES MORE RECENT INFORMATION AVAILABLE AT THE TIME OF DEVELOPMENT OF THESE DRAWINGS. THIS LAYOUT IS PROVIDED FOR GENERAL INFORMATION ONLY. ACTUAL LOCATIONS OF FACILITIES MAY VARY FROM THOSE SHOWN.
4. ITEMS REMOVED AS PART OF DEMOLITION WORK AND NOT SALVAGED BY THE OWNER BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AT NO ADDITIONAL COST TO THE OWNER.
5. WHERE NEW WORK CROSSES EXISTING PIPING OR ELECTRICAL CONDUITS THE CONTRACTOR SHALL EXCAVATE BY HAND TO PREVENT DAMAGE OR DISRUPTION TO THE EXISTING FACILITIES.
6. PROVIDE WARNING TAPE FOR ALL BURIED PIPING AND CONDUIT. TAPE SHALL BE PLACED 12" BELOW FINISH GRADE.
7. CONTRACTOR SHALL INSTALL INSULATING FLANGES, COUPLINGS, OR UNIONS WHEREVER TWO DISSIMILAR METAL PIPES ARE CONNECTED.
8. CONTRACTOR SHALL EXCAVATE FOR AND EXPOSE EXIST VALVES TO BE REPLACED TO DETERMINE CONFIGURATION PRIOR TO PLACING ORDER FOR NEW VALVES.
9. CONTRACTOR SHALL REMOVE ALL CATHODIC PROTECTION WIRES, ANODES AND CONDUIT. RECTIFIERS SHALL BE LEFT IN PLACE.
10. CONTRACTOR SHALL MAKE MODIFICATIONS TO THE RESERVOIR AS SHOWN AND SHALL COAT INTERIOR AND EXTERIOR SURFACES IN ACCORDANCE WITH THE SPECIFICATIONS.
11. REMOVE AND REPLACE RESERVOIR FLOOR PLATE AS SPECIFIED, SEE (3)
12. REMOVE ALL SHRUBS AND GRASS FROM THE PERIMETER OF THE RESERVOIR FOR A WIDTH OF 15', UNLESS OTHERWISE SHOWN. GRADE THE AREA AROUND THE TANK FLAT UPON COMPLETION OF THE CONSTRUCTION ACTIVITIES.
13. REPLACE ALL ASPHALT PAVEMENT DISTURBED BY CONSTRUCTION ACTIVITIES. ASPHALT REPLACEMENT SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS SECTION 116. ASPHALT REPAIR SHALL MATCH EXISTING PAVEMENT THICKNESS.
14. INSTALL A 1" GALV STL CONDUIT W/2 600V 16 GAUGE TWISTED SHIELDED PAIR (1 SPARE) FROM THE WATERPROOF BOX ON TOP OF RESERVOIR, AS SHOWN ON TO THE EXST RTUTB CONDUIT FROM PUMP STATION TO STAIRWAY SHALL BE POLYWRAPPED AND BURIED 3' MIN. CONDUIT ROUTING WITHIN PUMP STATION SHALL BE DETERMINED BY OWNER. PROVIDE J-BOXES AS NECESSARY.
15. PROVIDE WARNING TAPE FOR BURIED CONDUIT AND PIPING. TAPE SHALL BE PLACED 12" BELOW FINISH GRADE.
16. INSTALL A 3/4" SOFT COPPER TYPE K WATERLINE FROM RESERVOIR TO NEW RSVR PRESSURE TRANSDUCER IN THE PUMP STATION 3' MIN BURIAL DEPTH.
17. ALL BURIED VALVES SHALL BE INSTALLED WITH VALVE BOXES IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

®	AT	MT	MALE THREAD
BB	BEARING	NTS	NOT TO SCALE
C	CHANNEL	OC	ON CENTER
CCP	CONCRETE CYLINDER PIPE	OD	OUTSIDE DIAMETER
CI	CAST IRON PIPE	OFE	OWNER FURNISHED EQUIPMENT
C	CENTERLINE	PJF	PREMOLDED JOINT FILLER
CONT	CONTINUOUS	PP	PLATE
CPLG	COUPLING	®	POWER POLE
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	REQD	REQUIRED
DN	DOWN	SCH.SCHED	SCHEDULE
EA	EACH	SIM	SIMILAR
EF	EACH FACE	SST	STAINLESS STEEL
EW	EACH WAY	S x S	SOCKET BY SOCKET
EXST	EXISTING	STL	STEEL
FLG	FLANGE	T&B	TOP AND BOTTOM
GALV	GALVANIZED	TS	TUBE SHAPE
L	ANGLE	TYP	TYPICAL
MAX	MAXIMUM	V	VOLT
MB	MACHINE BOLT	W	WATER
MG	MILLION GALLON	W/	WITH
MH	MANHOLE	Ø	DIAMETER
MIN	MINIMUM		

VERIFY SCALES

BAR IS ONE INCH ON
ORIGINAL DRAWING

0  1"

IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

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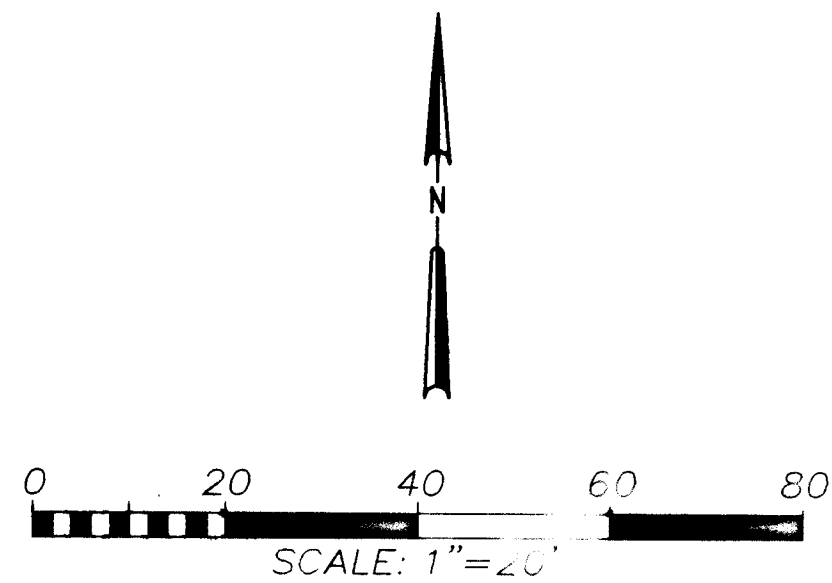
RESERVOIR INFORMATION

CAPACITY	4.00 MG
DIAMETER	153'-3"
HEIGHT TO BOTTOM OF KNUCKLE=26'-10"	

SCANNED BY
BY LASON



<p align="center">CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION</p>					
<p align="center">TITLE: SUPPER ROCK AND ESCONDIDO RESERVOIRS</p>					
<p align="center">SUPPER ROCK RESERVOIR SITE PLAN</p>					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Trans. Dev.			Waste Water		
Hydrology					
DRAWING NO.	4366.97	MAP NO.	K-23	SHEET	OF
				2	12



ABBREVIATIONS

BRG	BEARING	MT	MALE THREAD
C	CHANNEL	NTS	NOT TO SCALE
CCP	CONCRETE CYLINDER PIPE	CC	ON CENTER
CI	CAST IRON PIPE	OD	OUTSIDE DIAMETER
CL	CENTERLINE	CPE	OWNER FURNISHED EQUIPMENT
CONT	CONTINUOUS	PJF	PREMOLDED JOINT FILLER
CPLG	COUPLING	P	PLATE
DIA	DIAMETER	PP	POWER POLE
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
DN	DOWN	REQD	REQUIRED
EA	EACH	SCH, SCHED	SCHEDULE
EF	EACH FACE	SM	SIMILAR
EW	EACH WAY	SS	STAINLESS STEEL
EXST	EXISTING	S x S	SOCKET BY SOCKET
FLG	FLANGE	STL	STEEL
GALV	GALVANIZED	T&B	TOP AND BOTTOM
L	ANGLE	TS	TUBE SHAPE
MAX	MAXIMUM	TYP	TYPICAL
MB	MACHINE BOLT	V	VOLT
MG	MILLION GALLON	W	WATER
MH	MANHOLE	W/	WITH
MIN	MINIMUM	Ø	DIAMETER

LAYOUT PLAN LEGEND

EXISTING PIPING
LOW GRADE

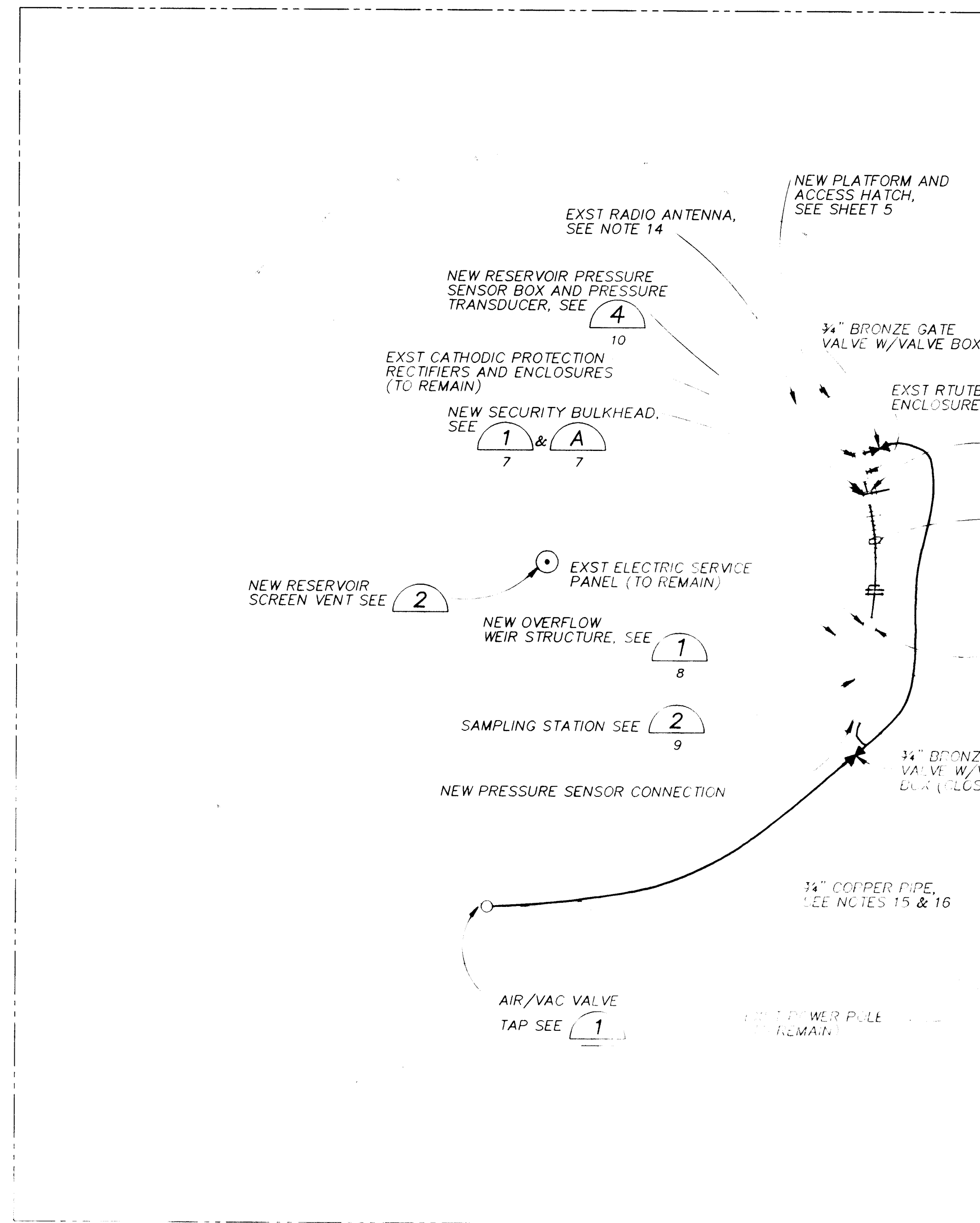
EXISTING STRUCTURE

PROPERTY LINE

FENCE LINE

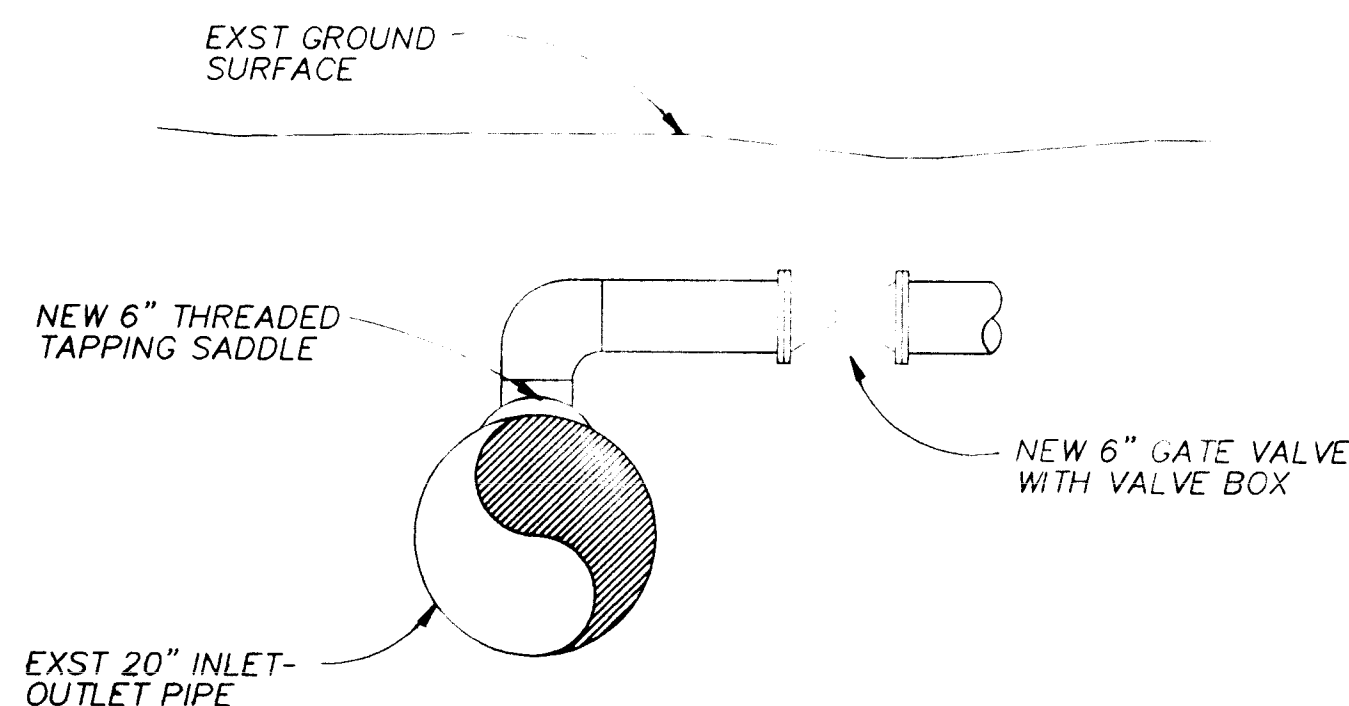
VALVE

TREES AND SHRUBS

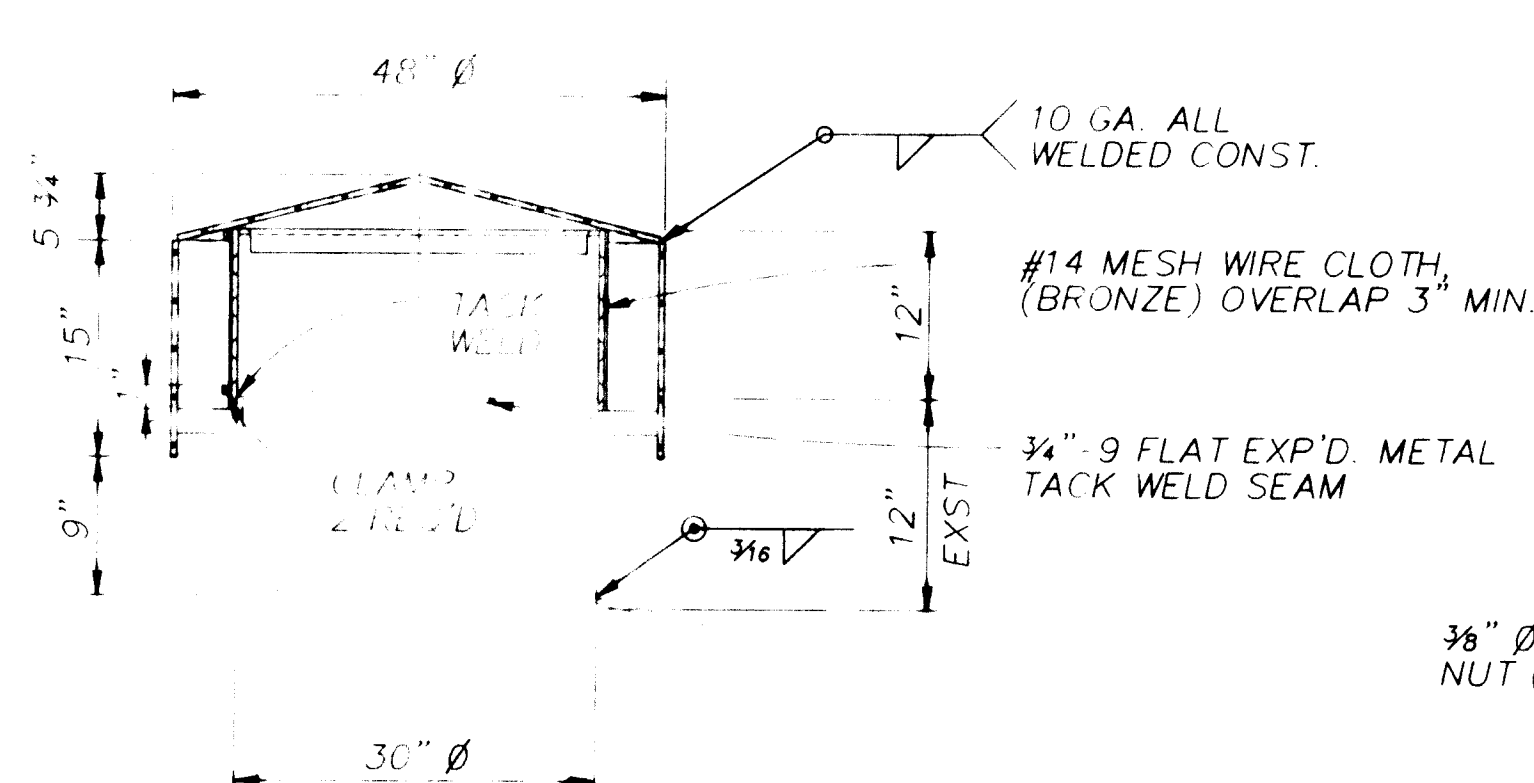


ESCONDIDO RESERVOIR - SITE PLAN

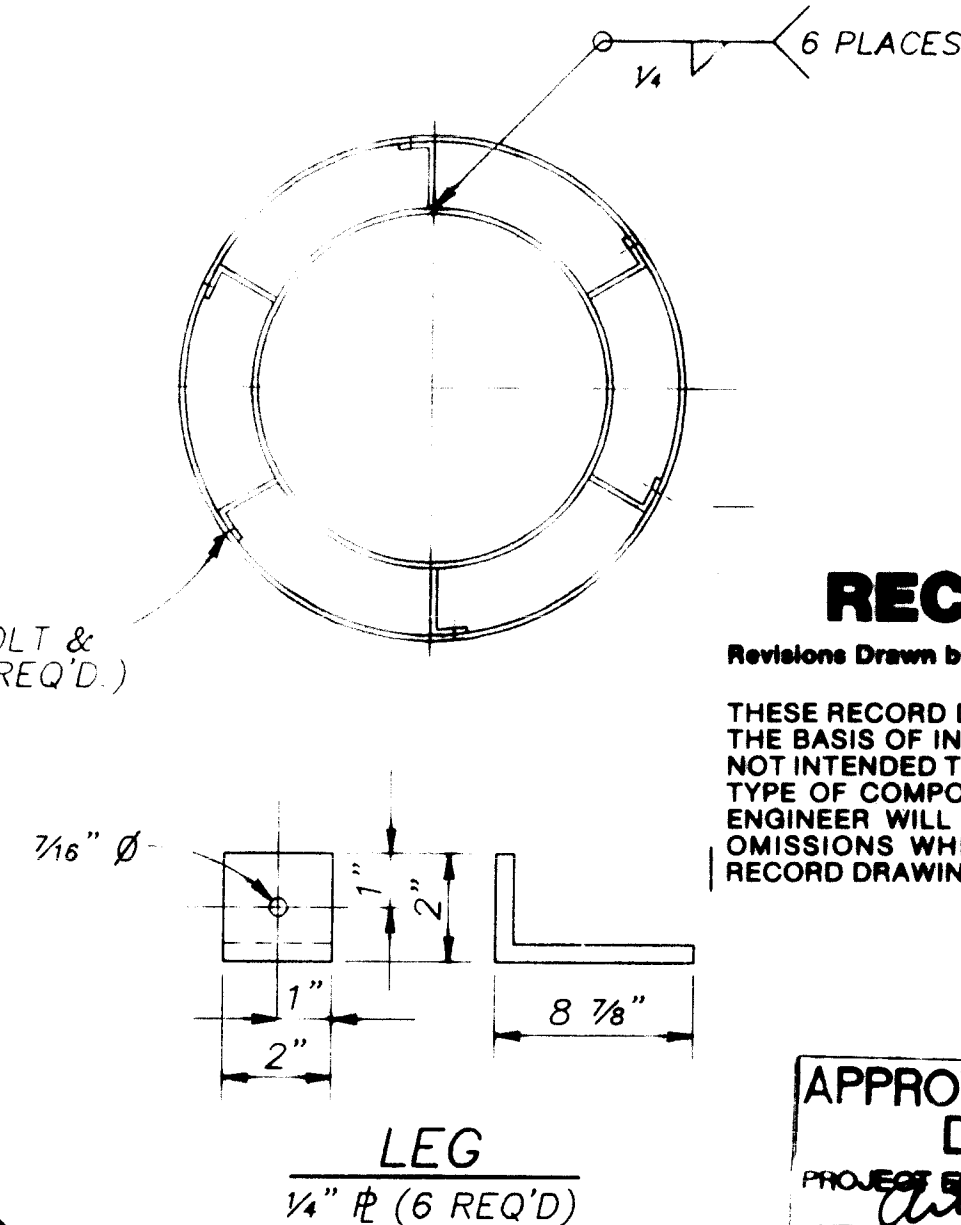
1" = 20'-0"



DETAIL 1
NTS



DETAIL 2
N.T.S.



LEG
1/4\"/>

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, PIPE SIZES AND TYPES PRIOR TO FABRICATION. SOME INTERFERENCES MAY EXIST BETWEEN NEW AND EXISTING MATERIALS. CONSULT ENGINEER FOR RESOLUTION OF CONFLICTS PRIOR TO PROCEEDING WITH THE WORK.
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11. REMOVE AND REPLACE RESERVOIR FLOOR PLATE AS SPECIFIED, SEE 3.
12. REMOVE ALL SHRUBS AND GRASS FROM THE PERIMETER OF THE RESERVOIR FOR A WIDTH OF 15', UNLESS OTHERWISE SHOWN. GRADE THE AREA AROUND THE TANK FLAT UPON COMPLETION OF THE CONSTRUCTION ACTIVITIES.
13. REPLACE ALL ASPHALT PAVEMENT DISTURBED BY CONSTRUCTION ACTIVITIES. ASPHALT REPLACEMENT SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 116. ASPHALT REPAIR SHALL MATCH EXISTING PAVEMENT THICKNESS.
14. THE EXISTING RADIO ANTENNA WILL BE REMOVED AND STORED BY THE OWNER. AFTER CONSTRUCTION OF THE NEW ROOF PLATFORM THE CONTRACTOR SHALL INSTALL A NEW ANTENNA MAST AND PROVIDE NEW 1" GALV. CONDUIT FROM THE NEW ANTENNA MAST TO THE EXST RTUTB ENCLOSURES AND PROVIDE PULLING ROPE.
15. PROVIDE WARNING TAPE FOR BURIED CONDUIT AND PIPING. TAPE SHALL BE PLACED 12" BELOW FINISH GRADE.
16. INSTALL A 3/4" SOFT COPPER TYPE K WATERLINE FROM NEW PIPE TAP TO THE NEW PRESSURE TRANSDUCER AND BOX, SEE 4. PROVIDE TEMPORARY BRANCH CONNECTION TO EXST TRANSDUCER.
18. REMOVE EXST TELEPHONE SERVICE DROP FROM EXST POWER POLE TO RESERVOIR.
20. RE-USE SPACE "3" (RECEPTACLES IN METER BOX) ON THE DISTRIBUTION PANEL TO FEED NEW FOURPLEX RECEPTACLE LOCATED IN THE RTU ENCLOSURE. SEE DETAIL SHEET 11.
21. INSTALL NEW 3/4" PVC/RMC WITH 2 THWN #10 AND 1 THWN #10 GROUND FROM EXST DISTRIBUTION PANEL TO EXST RTU ENCLOSURE TO FEED NEW FOURPLEX RECEPTACLE. ROUTE CONDUIT EXPOSED ALONG TOP OF RESERVOIR RINGWALL.
22. DOOR POSITION SWITCH (ZSC). SEE DETAIL SHEET 11.
23. ALL BURIED VALVES SHALL BE INSTALLED WITH VALVE BOXES IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

RECORD DRAWINGS

Revisions Drawn by **R. GONZALES** Date **10/12/24**

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APPROVAL OF RECORD DRAWINGS
PROJECT ENGINEER
DATE 11/22/24

RESERVOIR INFORMATION

CAPACITY 3.00 MG
DIAMETER 146'-0"
HEIGHT TO BOTTOM OF KNUCKLE=21'-6"

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

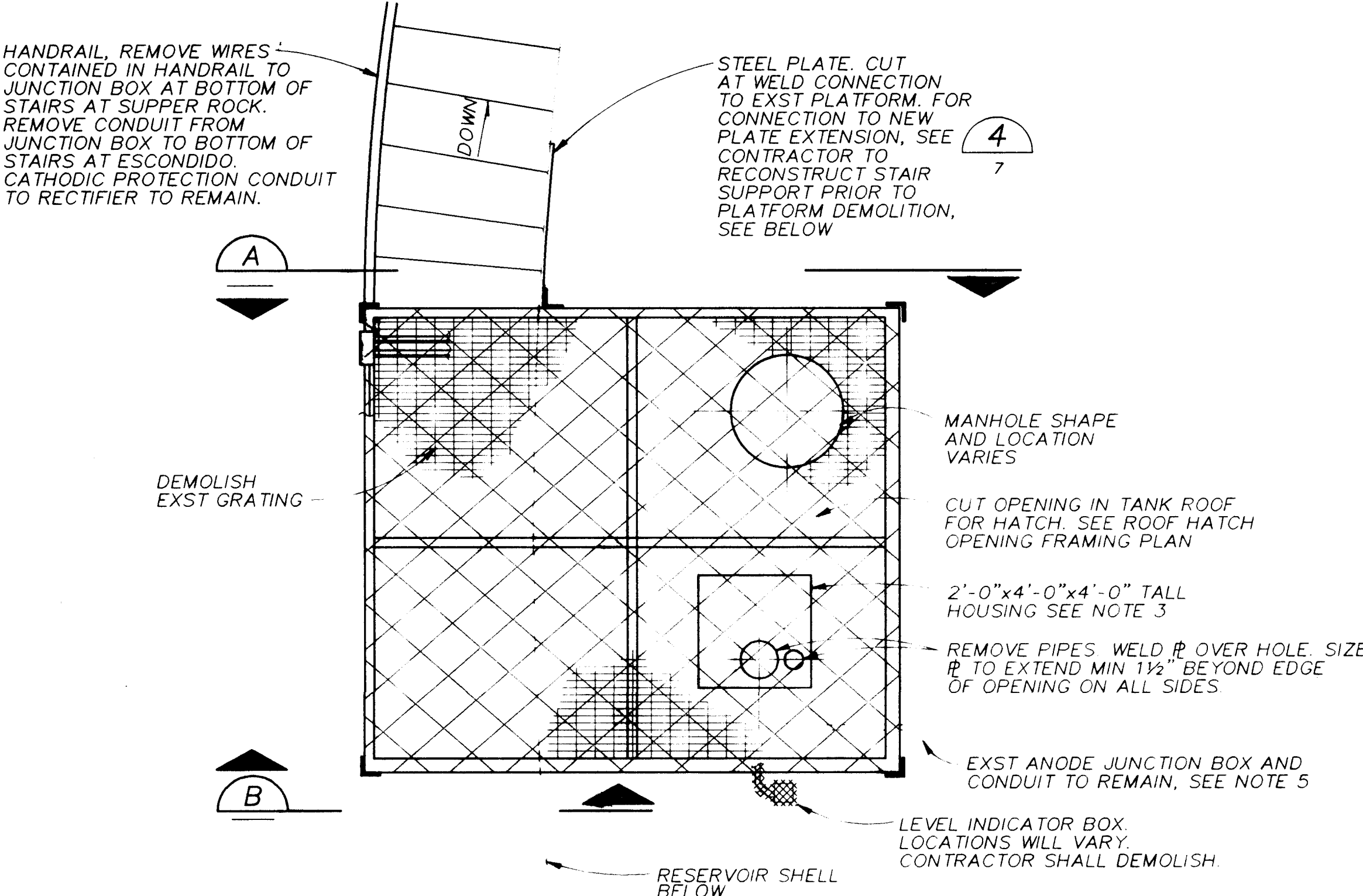
26 4366.970394

DESIGNED BY M. BREWER
DRAWN BY C. O'NEIL
CHECKED BY B. CROCKETT

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SUPPER ROCK AND ESCONDIDO RESERVOIRS ESCONDIDO RESERVOIR SITE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Trans. Dev.			Waste Water		
Hydrology					
DRAWING NO.	4366.97	MAP NO.	M-23	SHEET	3 OF 12

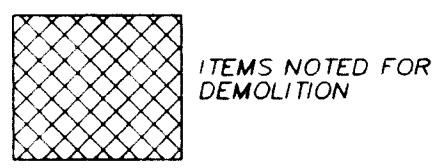


NOTES:

PLAN

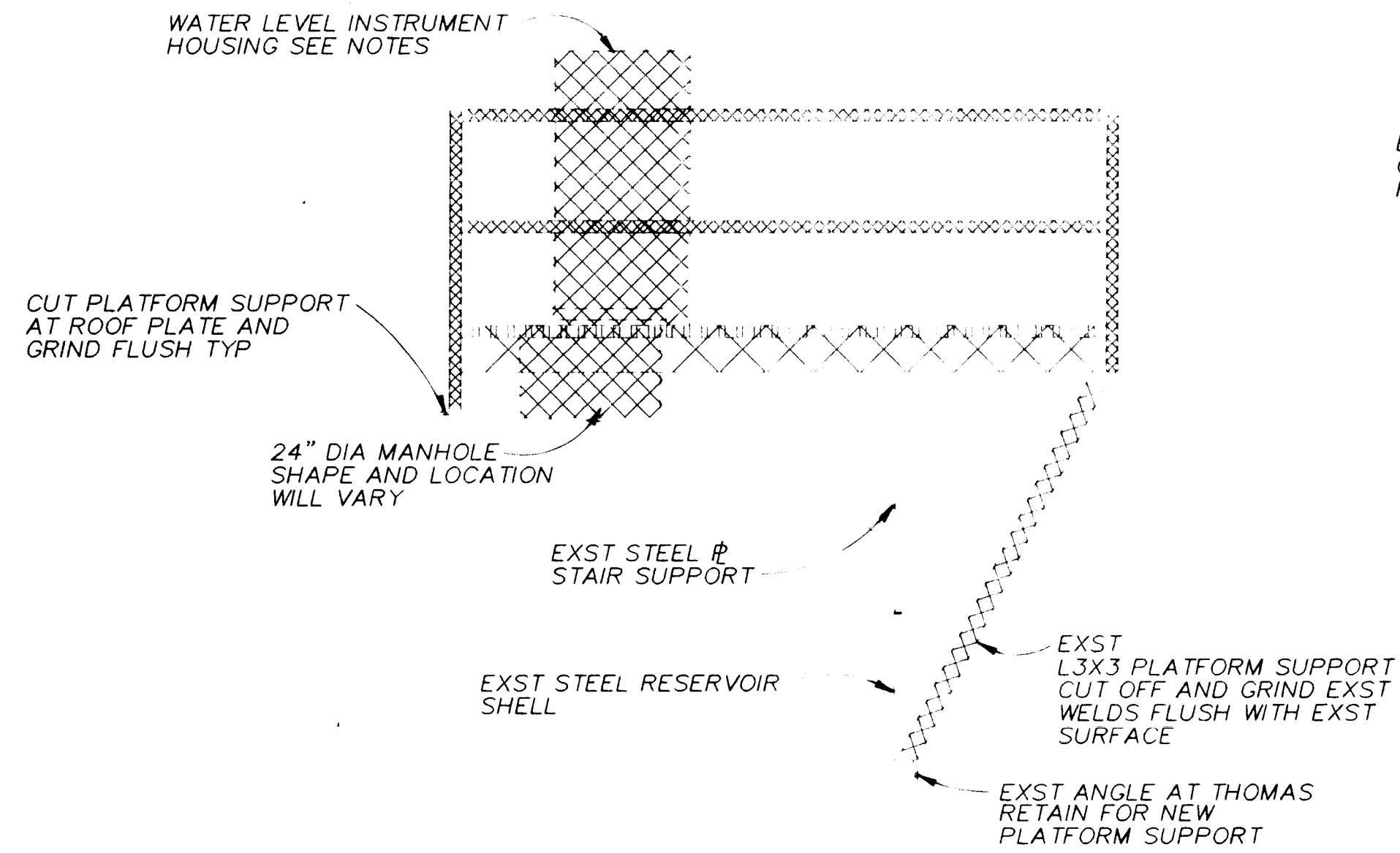
1. SIZE AND CONFIGURATION OF EXISTING ROOF PLATFORMS WILL VARY. CONTRACTOR SHALL VISIT SITE AND INCLUDE IN HIS DEMOLITION COSTS VARIATIONS IN SIZE AND CONFIGURATION OF PLATFORMS
2. CONTRACTOR TO GRIND ALL FLAME CUT EDGES ON RESERVOIR FLUSH WITH SHELL
3. CONTRACTOR SHALL REMOVE HOUSING AND INSTRUMENTATION AT SUPPER ROCK ONLY.
4. CONTRACTOR SHALL SEAL ALL HOLES IN RESERVOIR ROOF WITH 1/4" STEEL ϕ SEAL WELDED TO ROOF FOR ANODE ACCESS OPENINGS AND INSULATOR SUPPORT HOLES. SEE 2
5. EXST CATHODIC PROTECTION CONDUIT FROM RESERVOIR TO RECTIFIER SHALL REMAIN. ACTUAL LOCATIONS WILL VARY. CONTRACTOR SHALL VERIFY.

LEGEND



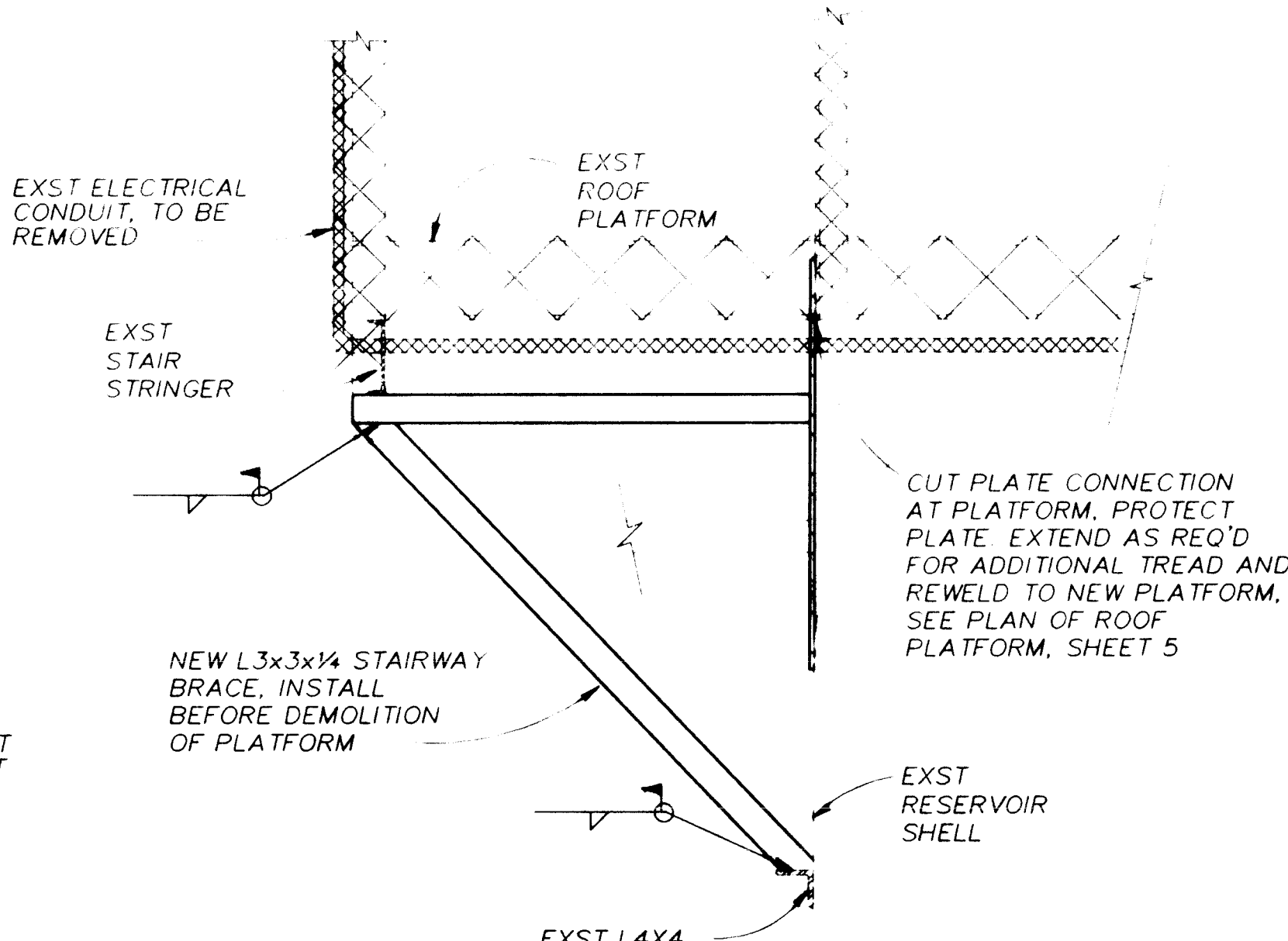
RESERVOIR ROOF PLATFORM DEMOLITION PLAN

NTS



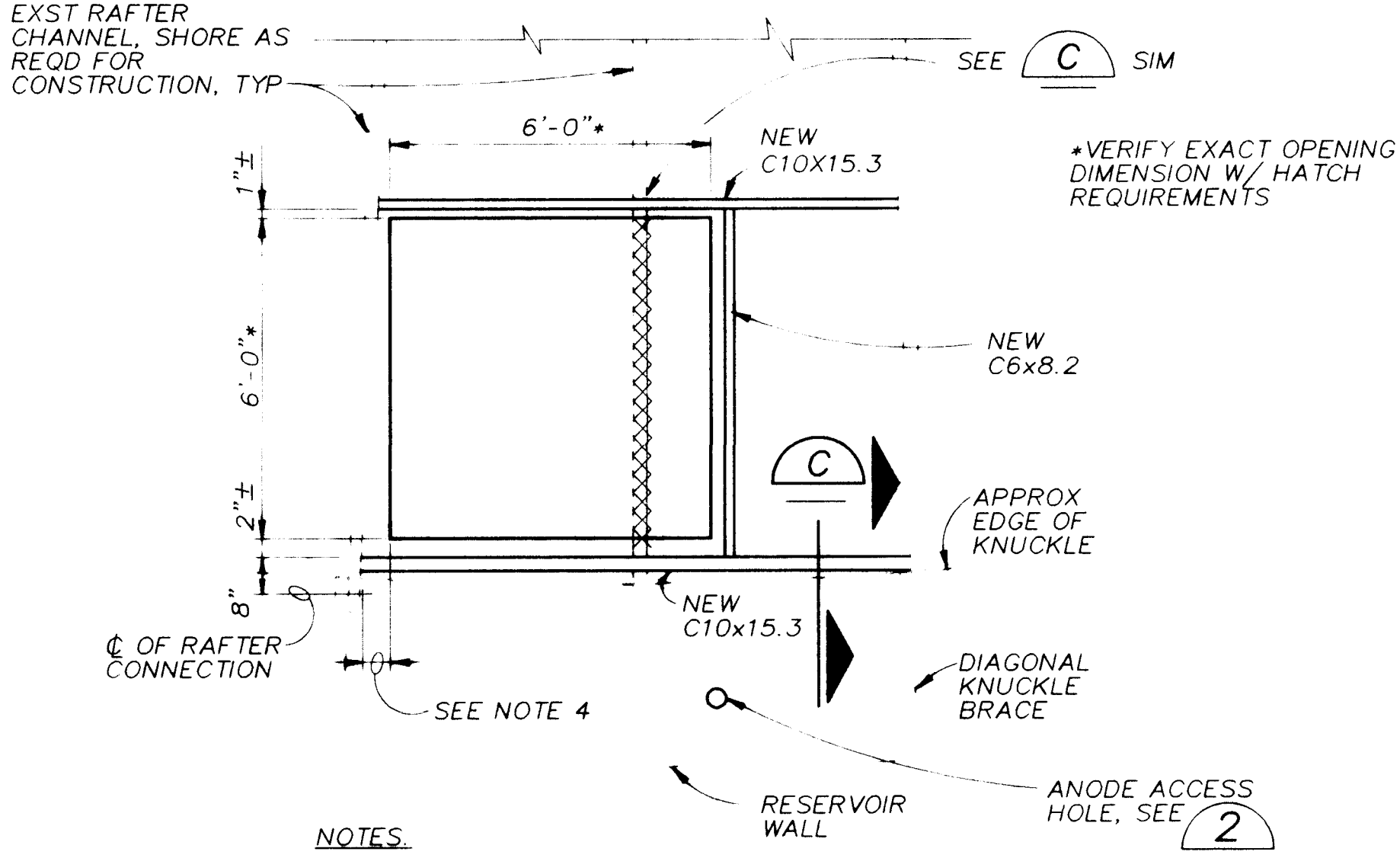
SECTION A

NTS



SECTION B

NTS

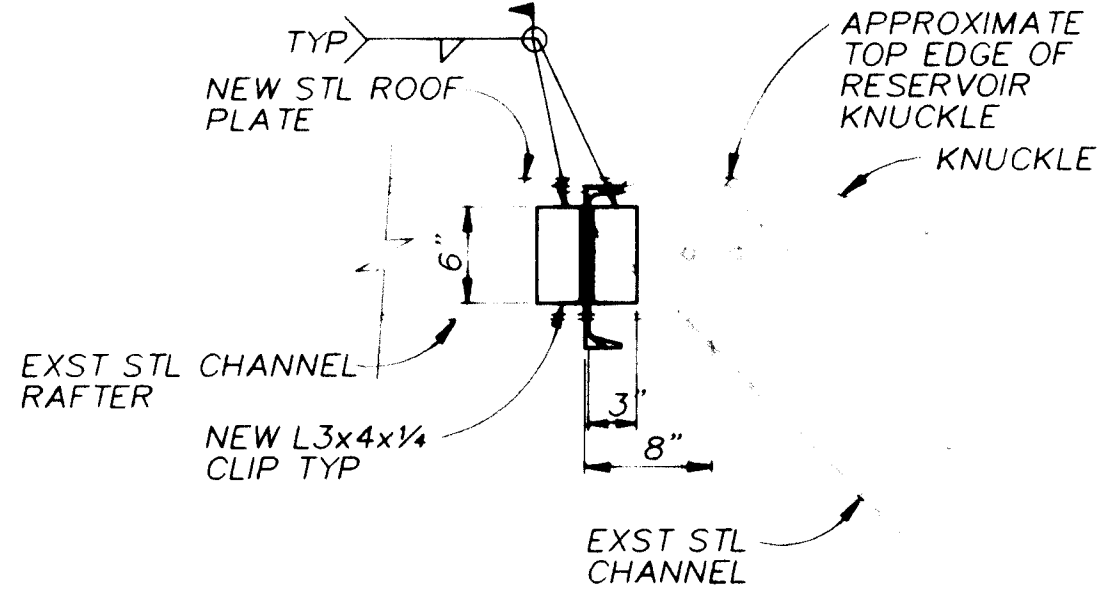


NOTES:

1. CONTRACTOR SHALL NOT CUT MORE THAN ONE RAFTER FOR ROOF OPENING. HATCH LOCATION SHALL BE SHIFTED BY CONTRACTOR AS REQUIRED FOR RAFTER CLEARANCE
2. ROOF OPENING LOCATION SHOWN FOR MINIMUM RAFTER CLEARANCES ONLY, OPENING LOCATION WILL VARY AT EACH RESERVOIR
3. ROOF OPENING SHALL NOT BE CUT INTO KNUCKLE AREA OF RESERVOIR. TEMPORARILY SUPPORT ROOF RAFTERS AS REQUIRED
4. 6" MINIMUM. IF THIS DIMENSION EXCEEDS 1'-0", THEN PROVIDE C6x8.2 SUPPORT SIMILAR TO CHANNEL AT OPPOSITE SIDE OF OPENING

ROOF HATCH OPENING FRAMING PLAN

NTS

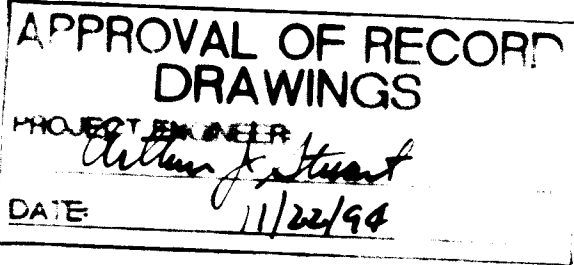


NOTES:

1. HEADER FLANGES TO FACE TOWARD RESERVOIR WALLS FOR DRAINAGE.
2. COPE ENDS OF HEADER CHANNEL FLANGES AS REQUIRED FOR FIT.

SECTION C

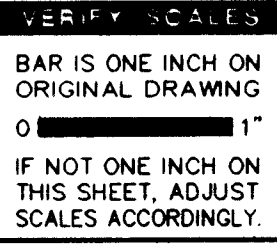
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RECORD DRAWINGS

Revisions Drawn by R. GONZALES Date 10/12/94

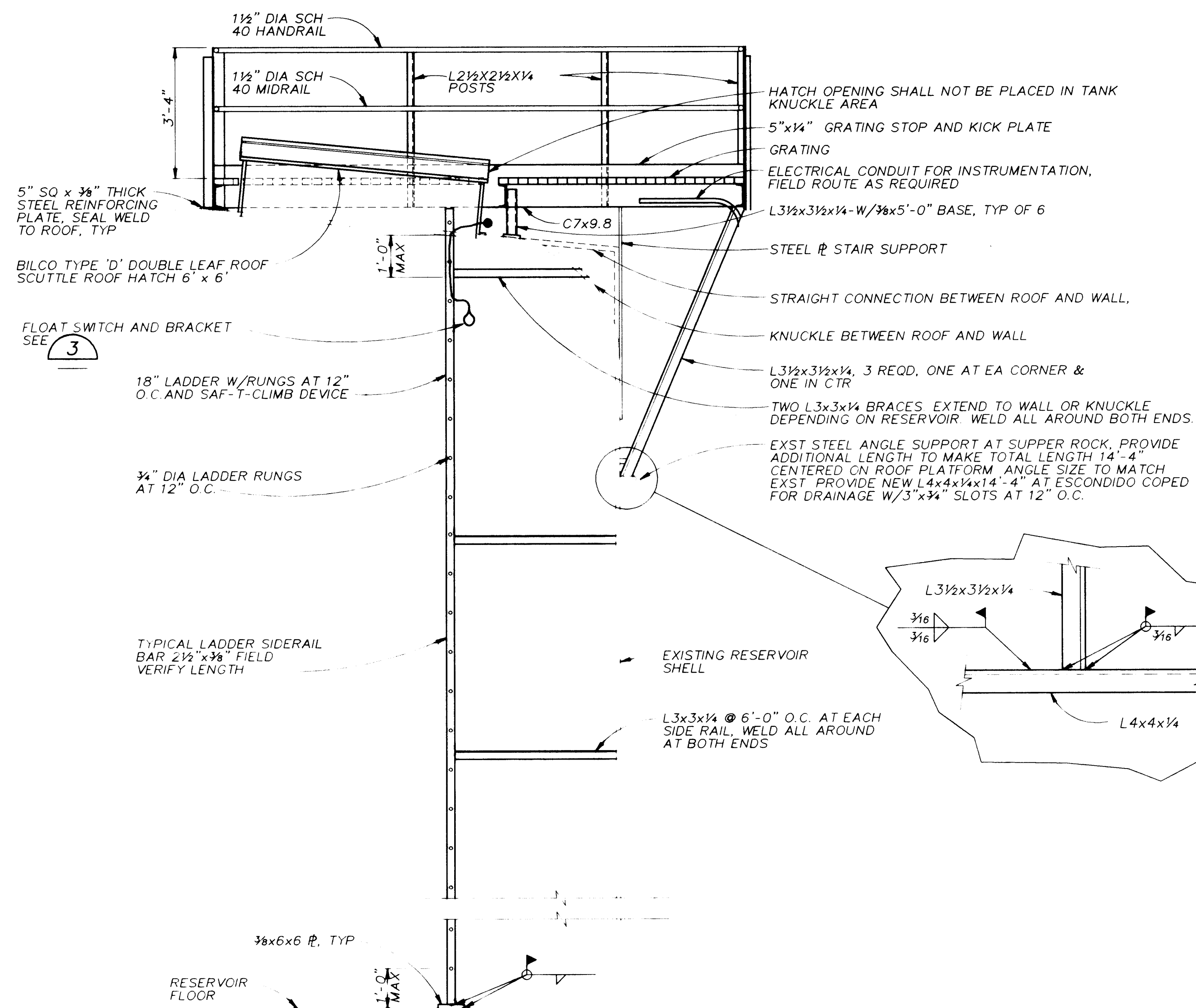
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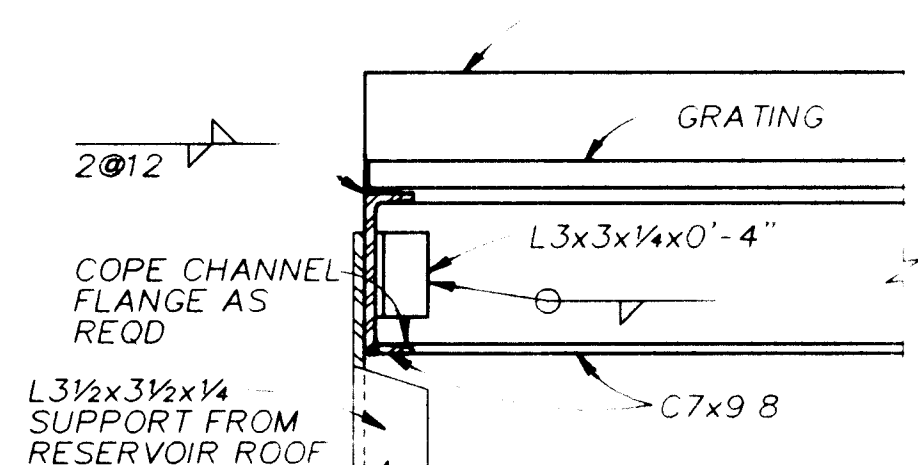


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: SUPPER ROCK AND ESCONDIDO RESERVOIRS ROOF PLATFORM DEMOLITION AND MODIFICATIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRAWING NO. 4366.97		MAP NO.		SHEET 4 OF 12	



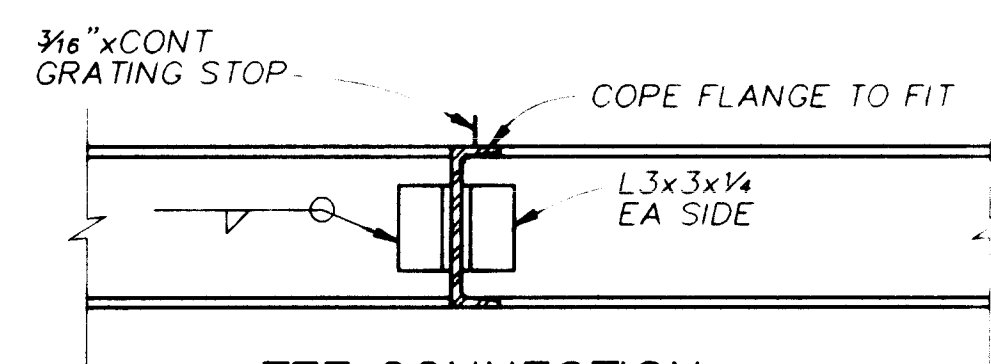
1. CONTRACTOR SHALL SET PLATFORM ELEVATION APPROXIMATELY 8" ABOVE NEW TOP STAIR TREAD.
2. HANDRAIL POST SPACING SHALL NOT EXCEED 5'-0"
3. LOCATION OF INSTRUMENTATION CONNECTIONS ON RESERVOIR ROOF VARIES. CONTRACTOR SHALL RELOCATE INSTRUMENTATION PENETRATIONS ON ROOF WHEN CONFLICTS WITH PLATFORM INSTALLATION OCCUR.
4. CONNECT EXISTING STAIR RAILS TO NEW 1 1/2"x2 1/2"x1/4" POST

1/4x5" CONT KICK PL.
TYP ALL SIDES



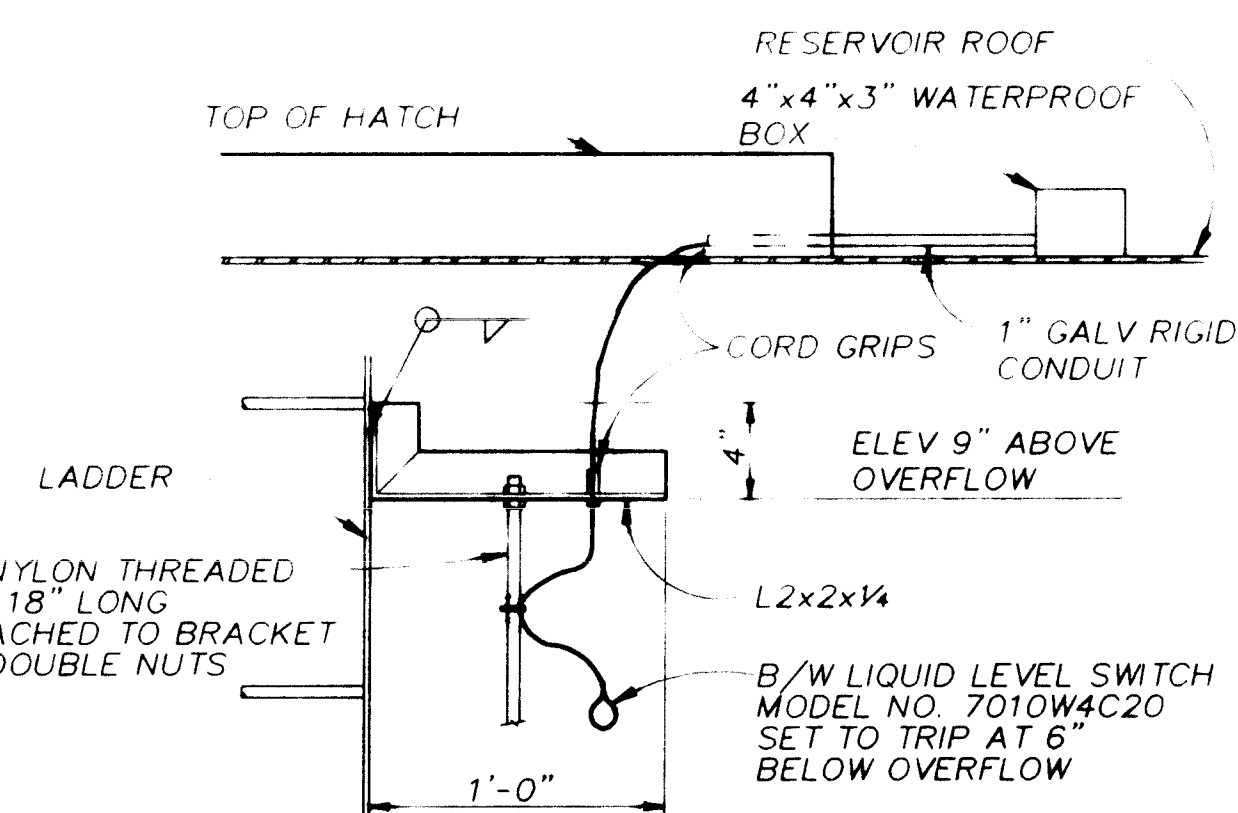
CORNER CONNECTION
TYP FOR ALL PLATFORMS

DETAIL
NTS

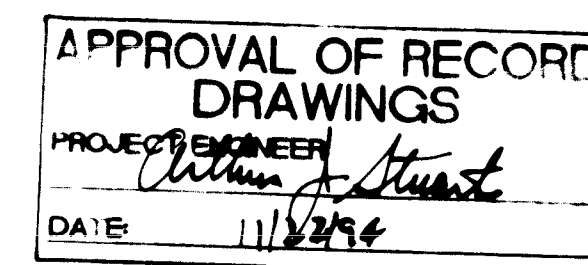


TEE CONNECTION TYP FOR ALL PLATFORMS

DETAIL
NTS



DETAIL
NTS

$$V_2'' = 1' - 0''$$
Revisions Drawn by R. GONZALES Date 10/12/94

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ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
<p>THESE DRAWINGS WERE MADE BY AUTOCAD AND REPRODUCED FOR RECORD PURPOSES AND THEREFORE DO NOT HAVE THE ENGINEER'S STAMP OR OTHER SIGNATURES THAT APPEAR ON THE ORIGINAL CONTRACT DRAWINGS.</p>		FIELD NOTES					
		NO.	BY	DATE			
NO.	DATE	REMARKS	BY				
REVISONS							
DESIGN							
DESIGNED BY	M. NANNINGA	DATE	APRIL 1993				
DRAWN BY	W. KENAS	DATE	APRIL 1993				
				NO.	BY	DATE	
				CONTRACTOR			
				WORK			
				INSPECTED BY		DATE	
				ACCEPTANCE BY		DATE	
				VERIFICATION BY		DATE	
				COMMENTS		DATE	
				<i>MICRO-FILM INFORMATION</i>			
				RECORDED BY		DATE	
				NO.			

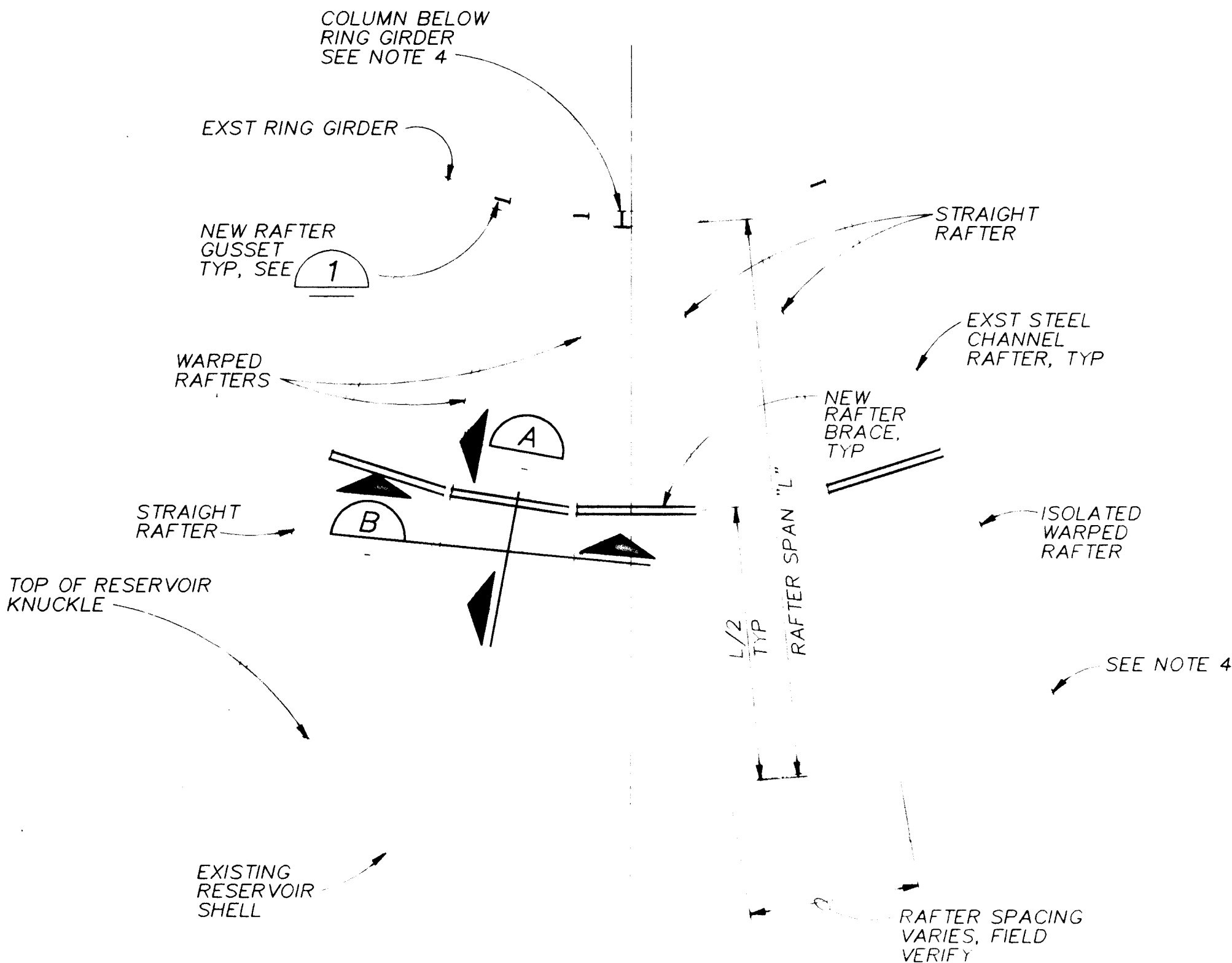
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VERIFY SCALES
BAR IS ONE INCH ON
ORIGINAL DRAWING
0 1
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

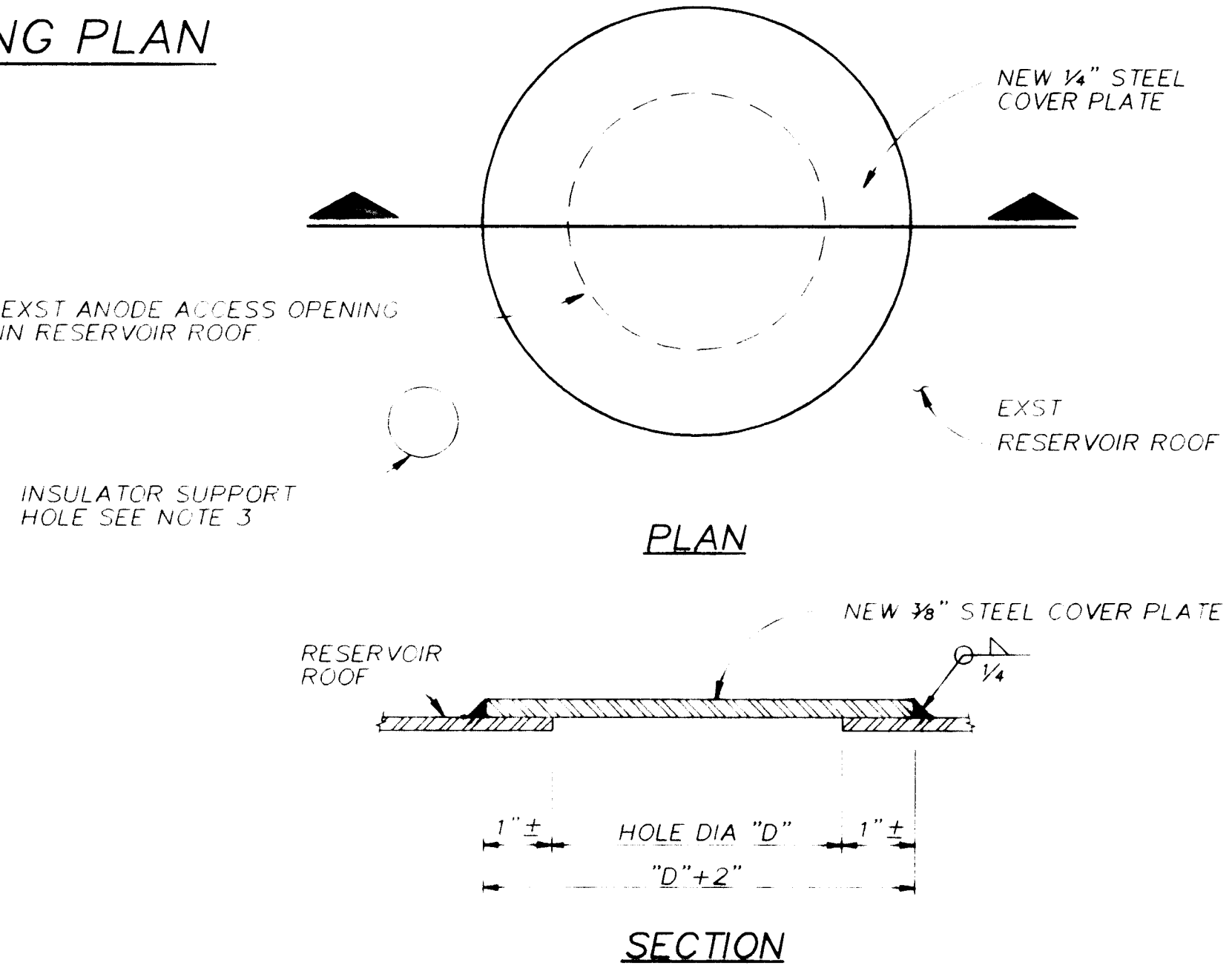
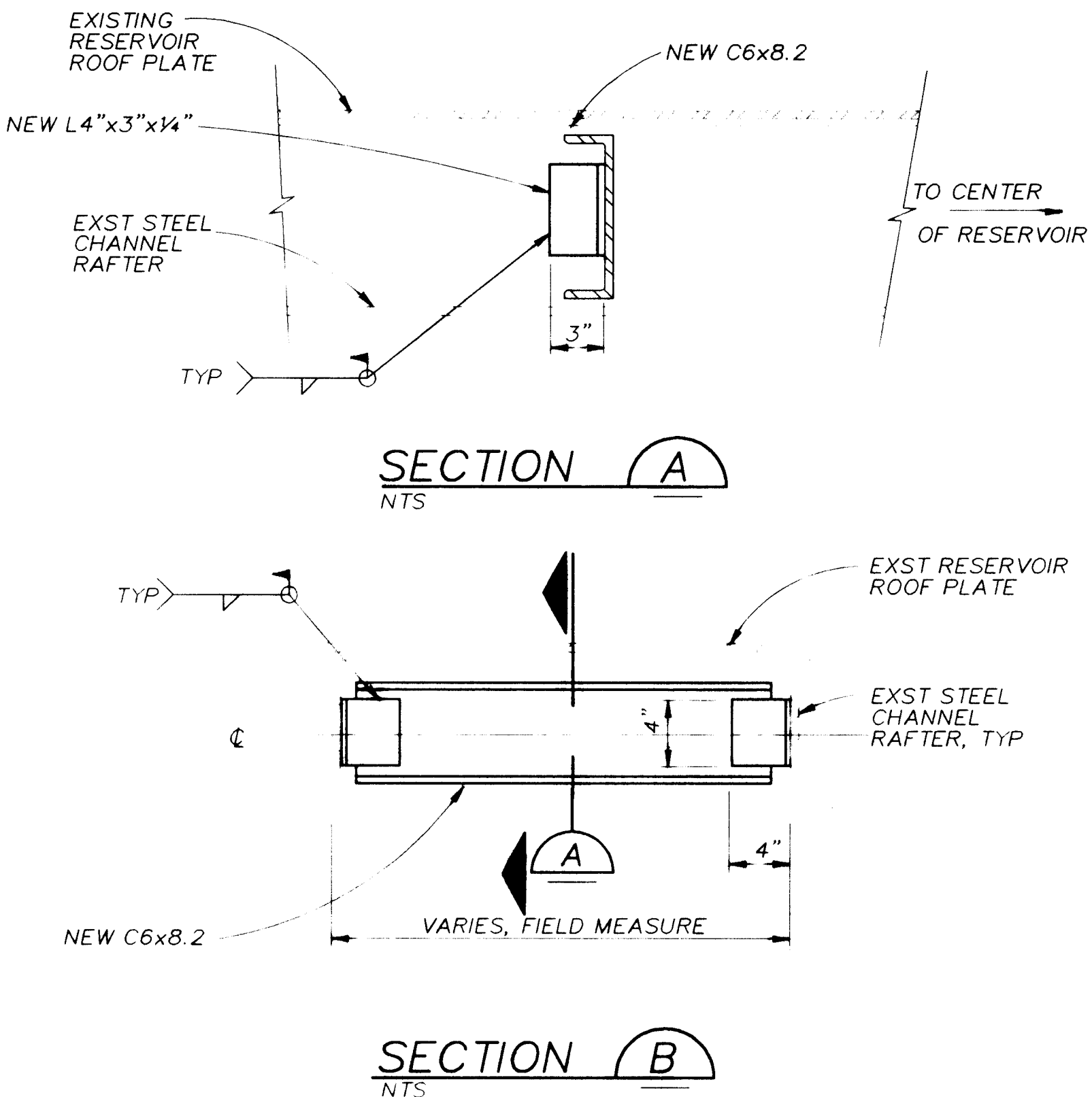
TITLE: SUPPER ROCK AND ESCONDIDO RESERVOIRS
ROOF PLATFORM
PLANS SECTIONS AND DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRAWING NO. 4366.97		MAP NO.		SHEET 5 OF 12	



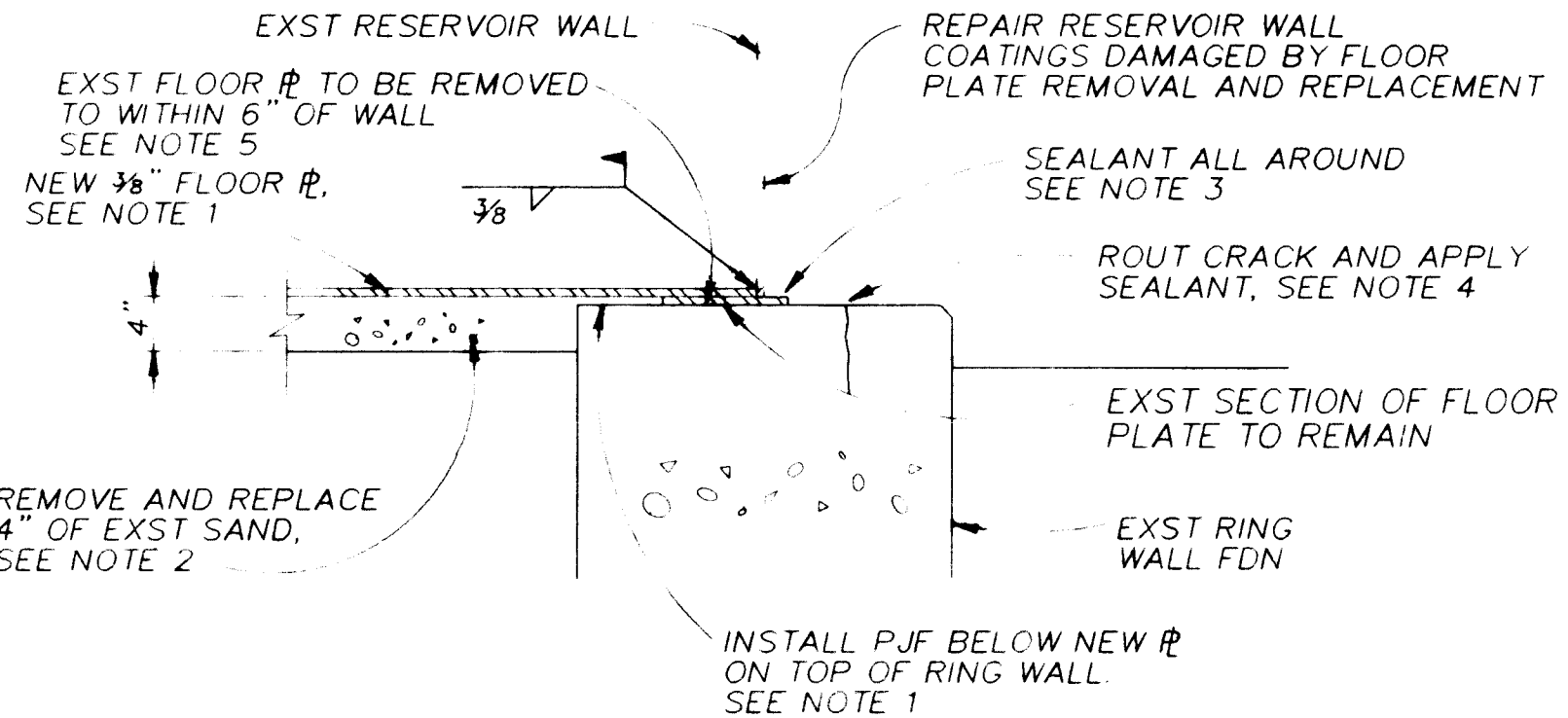
- NOTES:**
1. RAFTERS REQUIRING BRACING IN ACCORDANCE WITH DETAILS SHOWN ON THIS SHEET SHALL BE VERIFIED AND IDENTIFIED IN THE FIELD BY THE ENGINEER. CONTRACTOR IS DIRECTED TO THE BID PROPOSAL FOR APPROXIMATE NUMBER OF RAFTERS REQUIRING BRACING. CONTRACTOR SHALL PROVIDE LIFT TRUCK ACCESS FOR ENGINEER TO INSPECT AND IDENTIFY.
 2. WARPED RAFTERS SHALL BE STRAIGHTENED AND BRACED TO NEAREST STRAIGHT RAFTER. WHERE MORE THAN A SINGLE RAFTER IS WARPED IN ONE AREA BRACE TO A MINIMUM OF ONE STRAIGHT RAFTER FOR EACH WARPED RAFTER.
 3. STIFFEN ENDS OF EACH WARPED RAFTER AT CONNECTION TO RING GIRDER WITH RAFTER GUSSET AS SHOWN.
 4. REPLACE EXISTING STEEL BOLTS IN ALL RAFTER CONNECTIONS AND AT COLUMN TO RING GIRDER CONNECTION WITH TYPE 316 SST BOLTS PRIOR TO RECOATING TANK INTERIOR. BOLT SIZE SHALL MATCH EXISTING. PROVIDE TWO 1/8"x2" DIA SST FLAT WASHERS WITH EACH BOLT. TEMPORARILY SUPPORT MEMBERS DURING INSTALLATION OF BOLTS AS REQUIRED. CONTRACTOR IS DIRECTED TO BID PROPOSAL FOR APPROXIMATE NUMBER OF BOLTS REQUIRED. WHERE EXISTING CONNECTIONS ARE WELDED NO BOLTS ARE REQUIRED. WHERE ONLY ONE BOLT EXISTS, REPLACE IT AND ADD A SECOND BOLT.

RAFTER BRACING PLAN
NTS



- NOTES:**
1. REMOVE EXST RETAINER BAR AND BOLT AND COVER PLATE.
 2. INSTALL NEW COVER PLATE AND WELD TO EXST RESERVOIR ROOF.
 3. PLUG WELD INSULATOR SUPPORT HOLE AND GRIND SMOOTH WITH ADJACENT SURFACE AT BOTH INSIDE AND OUTSIDE OF RESERVOIR ROOF PLATE.

DETAIL 2
NTS



- NOTES:**
1. CONTRACTOR SHALL DEMOLISH, REMOVE AND REPLACE RESERVOIR FLOOR PLATE AS REQUIRED, SEE SPECIFICATIONS. MINIMUM SIDE LAPS SHALL BE 1 INCH. INSTALL PREMOLDED JOINT FILLER (PJF) AS REQUIRED TO FILL GAP BETWEEN TOP OF FOUNDATION AND BOTTOM OF NEW FLOOR PLATE. PJF SHALL BE BITUMINOUS TYPE CONFORMING TO ASTM D 994 OR D 1751.
 2. SAND SHALL BE CLEAN WASHED NATURAL OR MANUFACTURED SAND CONFORMING TO THE REQUIREMENTS OF ASTM C144-84 WITH THE ADDITIONAL REQUIREMENT THAT THE PERCENT PASSING THE NO. 200 SIEVE NOT EXCEED 5 PERCENT. SAND SHALL BE FREE OF CHLORIDES OR OTHER CORROSIVE AND DELETERIOUS SUBSTANCES. RESISTIVITY OF SATURATED SAND SHALL BE LESS THAN 10,000 OHM-CM. SUBMIT GRADATION TEST RESULTS FOR ENGINEER'S APPROVAL.
 3. REMOVE JOINT MATERIAL OUTSIDE THE EDGE OF THE FLOOR PLATE ON TOP OF THE FOOTING ALL AROUND THE RESERVOIR AND PREPARE SURFACE AND CAULK WITH SEALANT. SEALANT SHALL BE PREMIUM GRADE HIGH PERFORMANCE 1 COMPONENT POLYURETHANE-BASE, NON-SAG ELASTOMERIC SEALANT, SIKAFLEX-1A OR EQUAL.
 4. ROUT OUT CIRCUMFERENTIAL CRACKS GREATER THAN OR EQUAL TO 1/8-INCH IN WIDTH IN TOP OF RING WALL FOUNDATION. GROOVE SHALL BE APPROXIMATELY 3/8 INCHES IN WIDTH AND 1/4 INCH DEEP. SANDBLAST CRACK AFTER ROUTING AND CLEAN CRACK USING COMPRESSED AIR PRIOR TO APPLYING SEALANT. SEALANT SHALL BE SIKAFLEX-A1 OR EQUAL.
 5. ABRASIVE BLAST OR CENTRIFUGAL WHEEL BLAST (SP-5) SURFACE OF EXISTING FLOOR PLATES FOR A DISTANCE 12" AWAY FROM THE WALL AROUND THE TANK PRIOR TO REMOVAL OF EXISTING FLOOR PLATE AND INSTALLATION OF NEW FLOOR PLATE.

RECORD DRAWINGS

Revisions Drawn by **R. GONZALES** Date **10/12/94**

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APPROVAL OF RECORD DRAWINGS

PROJECT ENGINEER: *[Signature]*

DATE: **11/25/96**



VERIFICATION

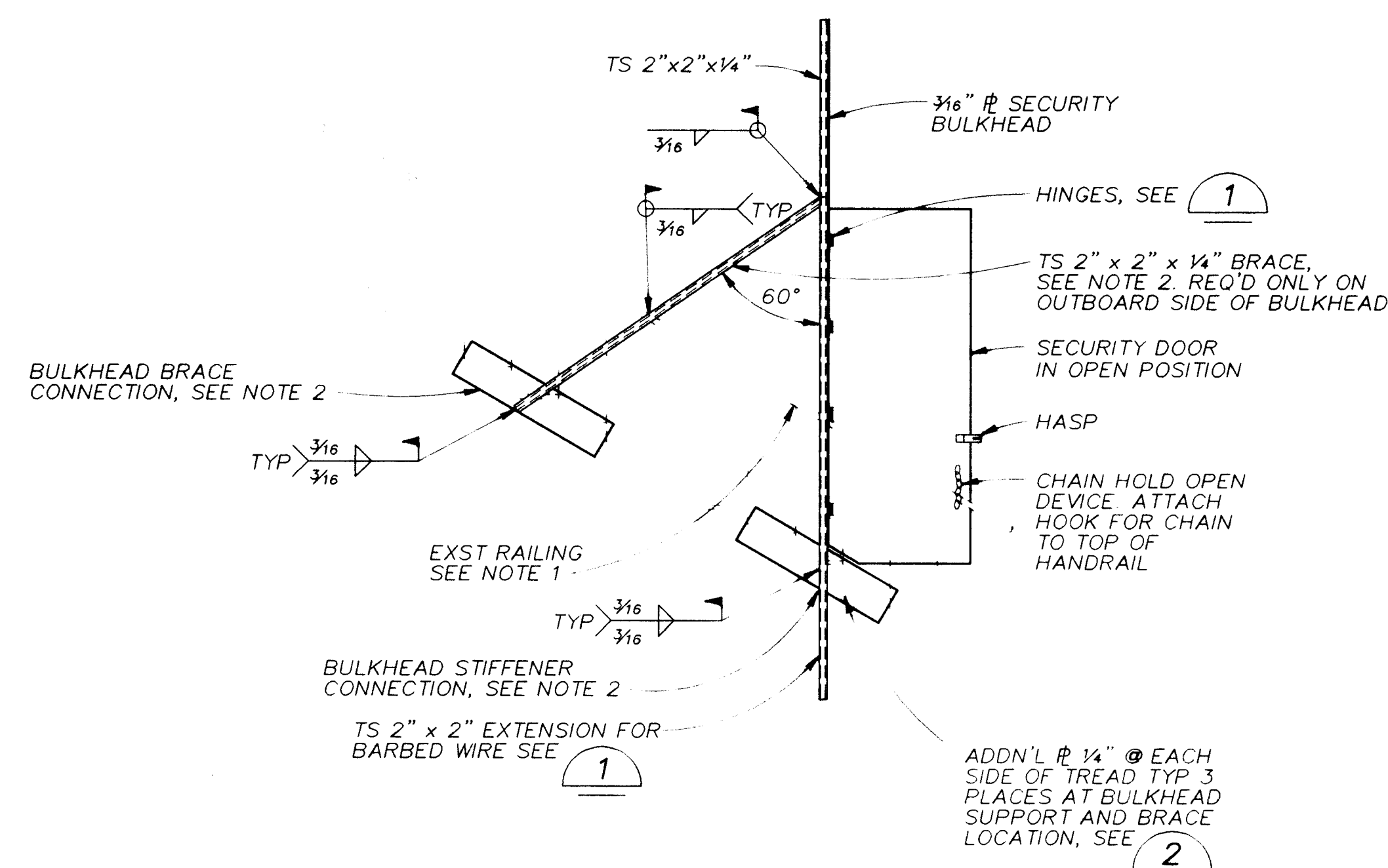
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: SUPPER ROCK AND ESCONDIDO RESERVOIRS					
RESERVOIR REPAIR DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRAWING NO. 4366.97		MAP NO.		SHEET 6 OF 12	

26 4076 901993

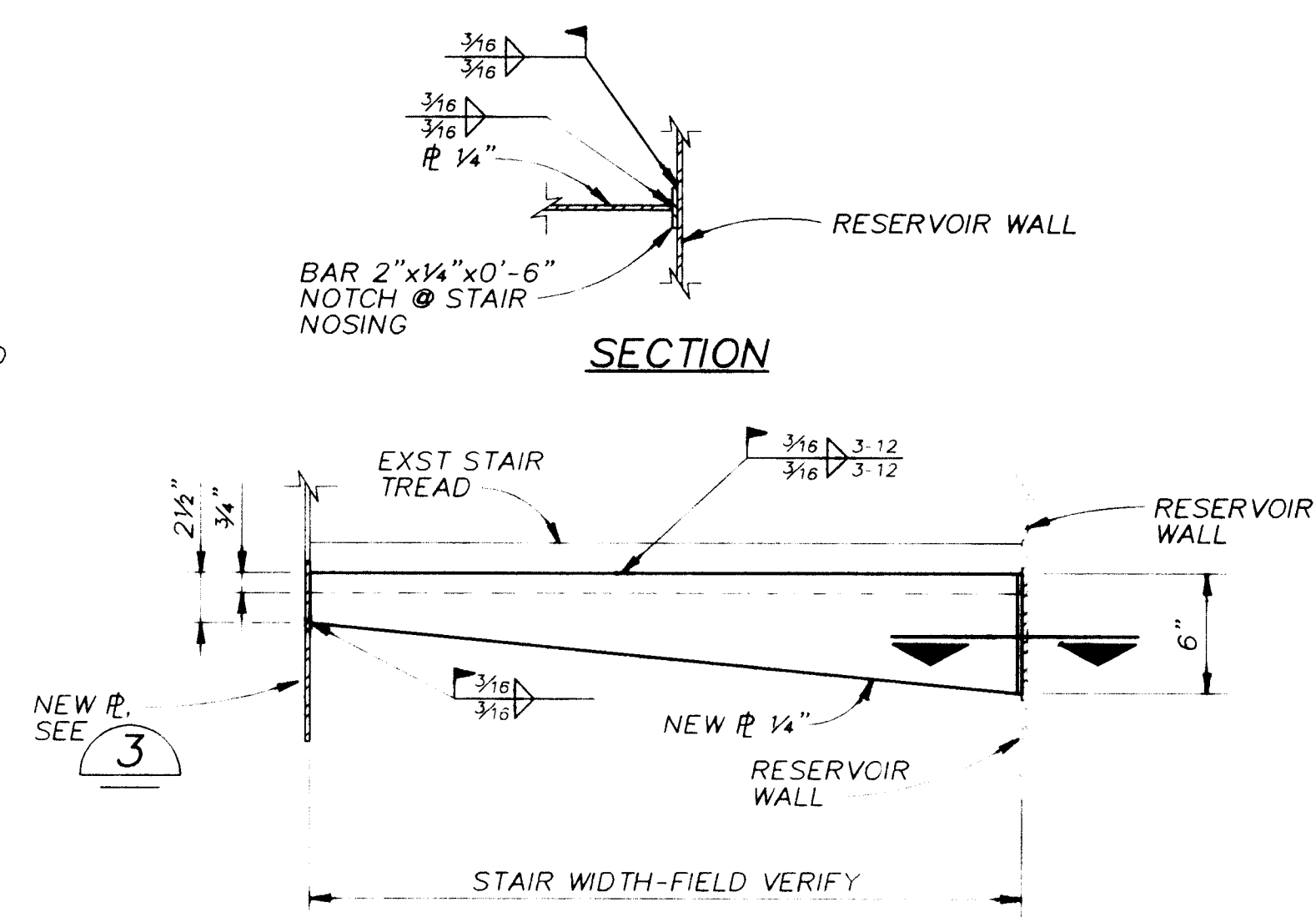
MISSING



NOTES:

1. CUT EXISTING HANDRAILING AS REQUIRED FOR INSTALLATION OF BULKHEAD STIFFENER FRAME AND BRACE. WELD EXISTING RAILING TO BULKHEAD AND BRACE FOR COMPLETED INSTALLATION.
2. WELD NEW Φ TO OUTBOARD EDGE OF STAIR AT BULKHEAD SUPPORT AND BRACE LOCATIONS, SEE 7

STAIR ELEVATION 

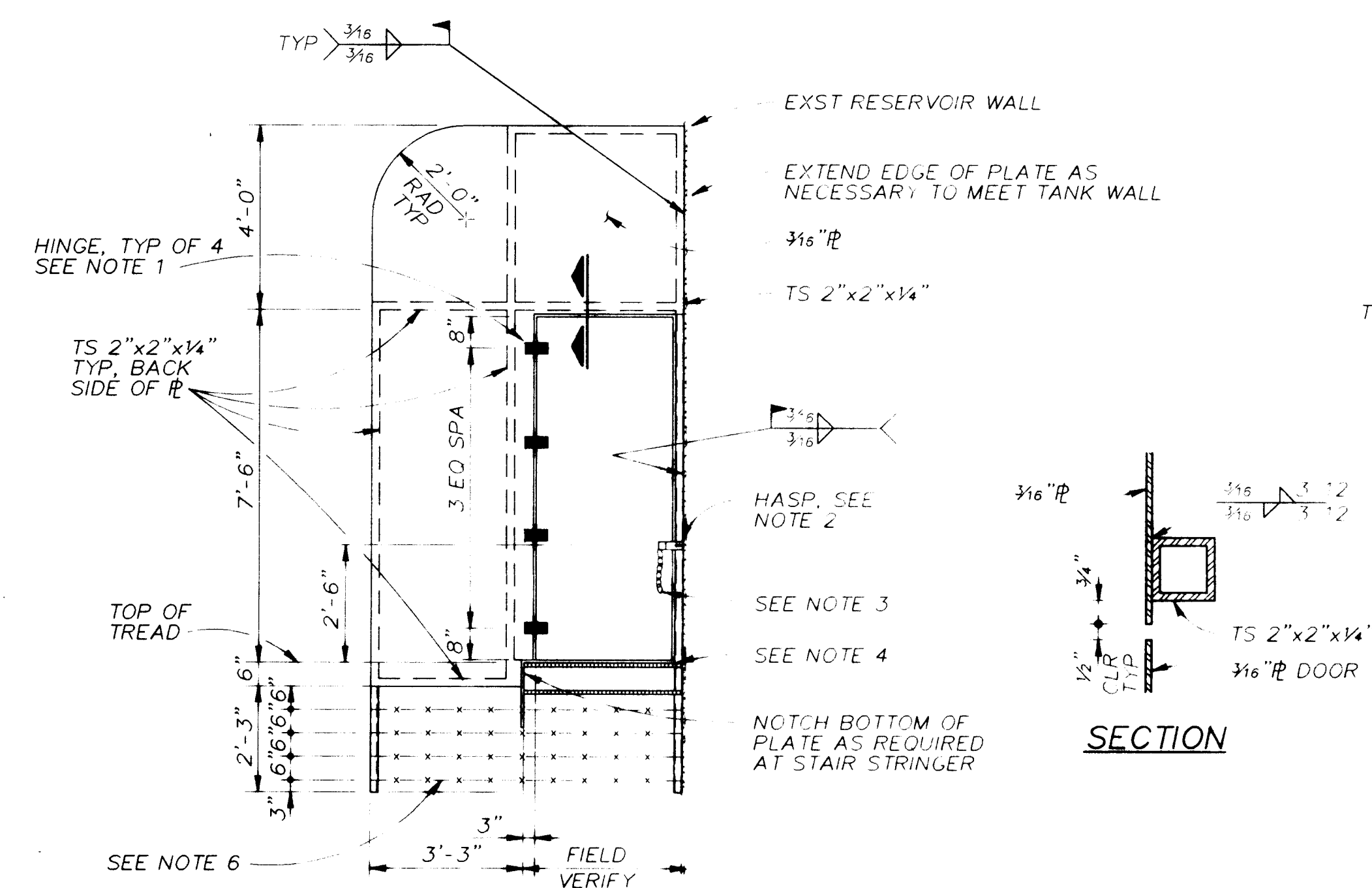


ELEVATION

NOTE:

INSTALL NEW PLATES AS SHOWN, TYPICAL ON
3 TREADS, PRIOR TO INSTALLATION OF STAIR
SECURITY BULKHEAD

TREAD STIFFENER DETAIL (2)
1 1/8" = 1'-0"

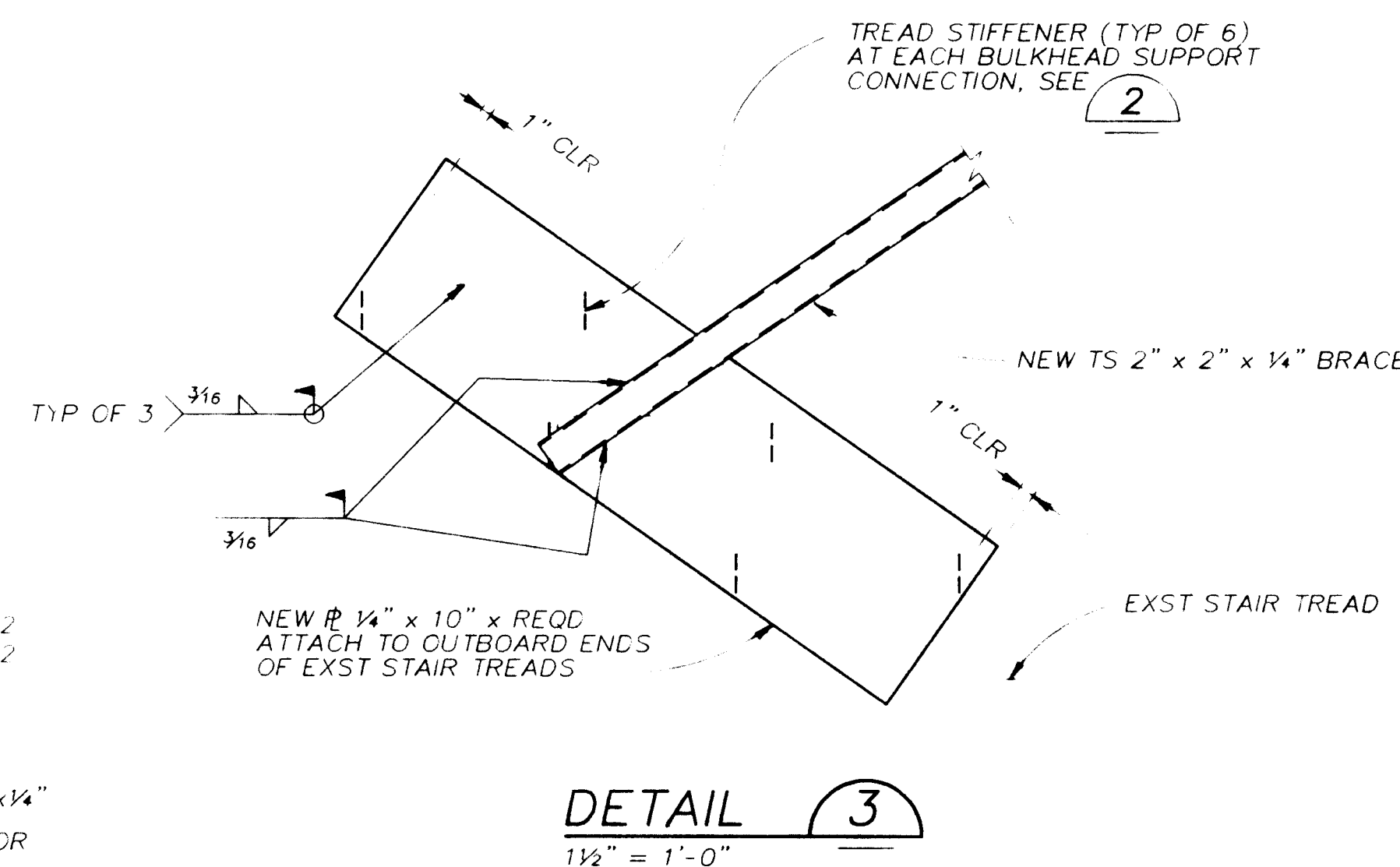



PLAN

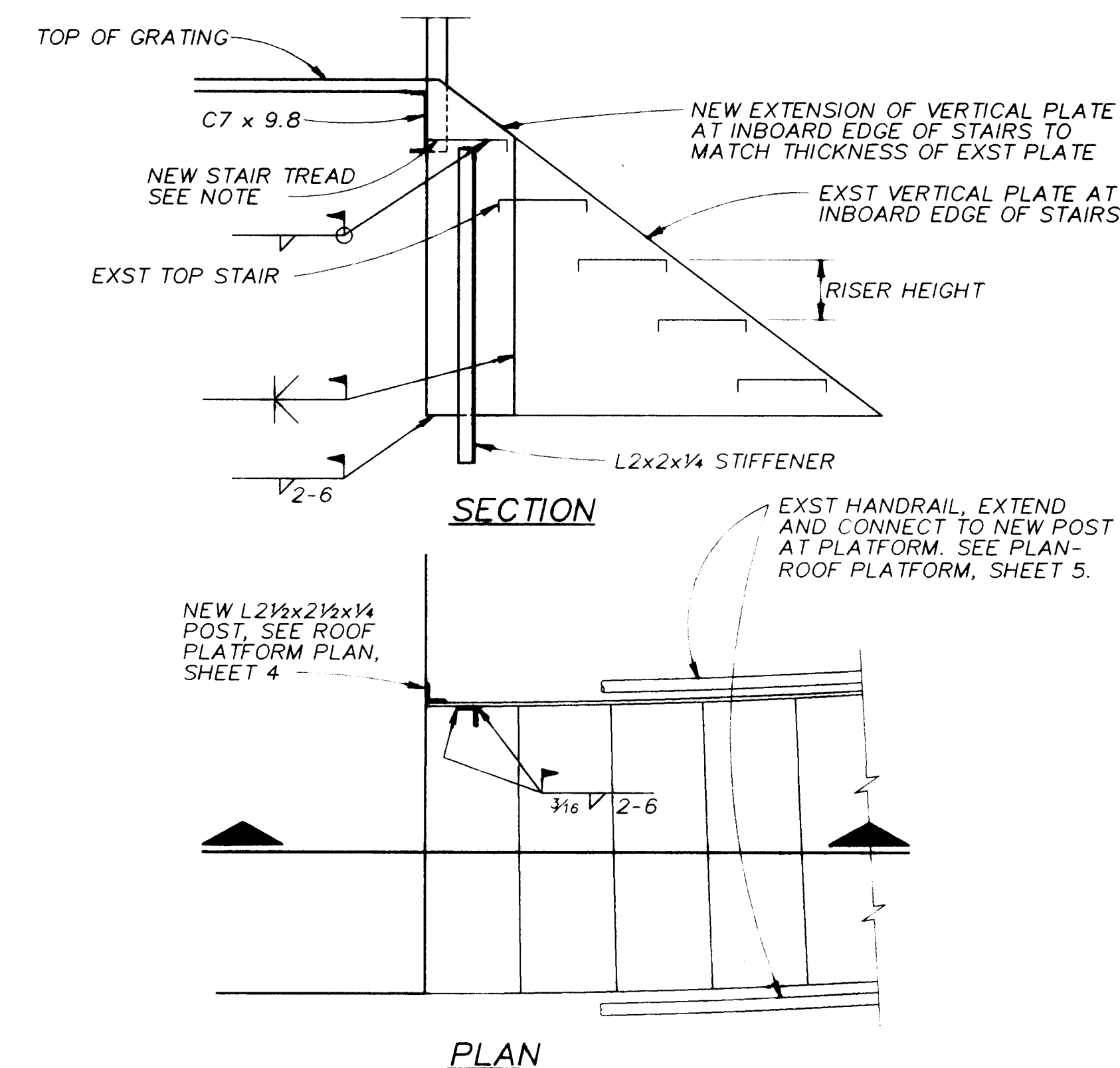
NOTES:

1. PROVIDE 4-4" STEEL SURFACE HINGES SHOP WELDED TO DOOR. HINGES SHALL BE MODEL NO. 1607A11 BY McMASTER CARR OR EQUAL
2. PROVIDE HEAVY DUTY SAFETY HASP MODEL NO. 1848A41 BY McMASTER CARR OR EQUAL
3. PROVIDE CHAIN WELDED TO DOOR AND HOOK WELDED TO HANDRAIL SO DOOR CAN BE HELD OPEN
4. CUT HOLE IN TREAD FOR TUBE. INSTALL TUBE THROUGH TREAD AND WELD TREAD TO TUBE.
5. LOCATE BULKHEAD AT CENTER OF 20th RISER AT SUPPER ROCK RESERVOIR. LOCATE BULKHEAD AT CENTER OF 15TH RISER AT ESCONDIDO RESERVOIR.
6. BARBED WIRE SHALL BE FOUR-POINT PATTERN WITH TWO STRANDS OF NO. 12 1/2 GAUGE WIRE WITH 1" BARBS 5" APART ZINC COATED. THREAD WIRE THROUGH HOLE DRILLED IN TUBE AND TIE OFF SECURELY

SECURITY BULKHEAD DETAIL 1



DETAIL 
1 1/2" = 1'-0"



PLAN


NOTE:
POSITION NEW STAIR TREAD FOR CONSISTENT
RISER HEIGHTS TREAD SHALL MATCH EXST OR
MEET SPECIFICATIONS.

STAIR EXTENSION DETAIL 4
1" = 1'-0" 4.5

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
<p>THESE DRAWINGS WERE MODIFIED USING AUTOCAD AND REPLOTTED FOR RECORD PURPOSES AND THEREFORE DO NOT HAVE THE ENGINEER'S STAMP OR OTHER SIGNATURES THAT APPEAR ON THE ORIGINAL CONTRACT DRAWINGS.</p>		FIELD NOTES					
		NO.	BY DATE				
NO.	DATE	REMARKS	BY				
REVISIONS							
DESIGN							
DESIGNED BY	M. NANNINGA	DATE	APRIL 1993				
DRAWN BY	W. KENAS	DATE	APRIL 1993				
CHECKED BY	L. EICK	DATE	APRIL 1993				
				CONTRACTOR			
				WORK ORDER NO. BY			
				INSPECTOR'S			
				ACCEPTANCE BY		DATE	
				TESTING BY		DATE	
				VERIFICATION BY		DATE	
				DRAWINGS		DATE	
				CORRECTED BY		DATE	
				MICRO-FILM INFORMATION			
				RECORDED BY		DATE	
				NO.			

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CONTRACT DRAWINGS

NO.	DATE	REMARKS	BY
REVIEWS			
DESIGN			
DESIGNED BY	M. NANNINGA	DATE	APRIL 1993
DRAWN BY	W. KENAS	DATE	APRIL 1993
CHECKED BY	I. EICK	DATE	APRIL 1993

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BY LASON

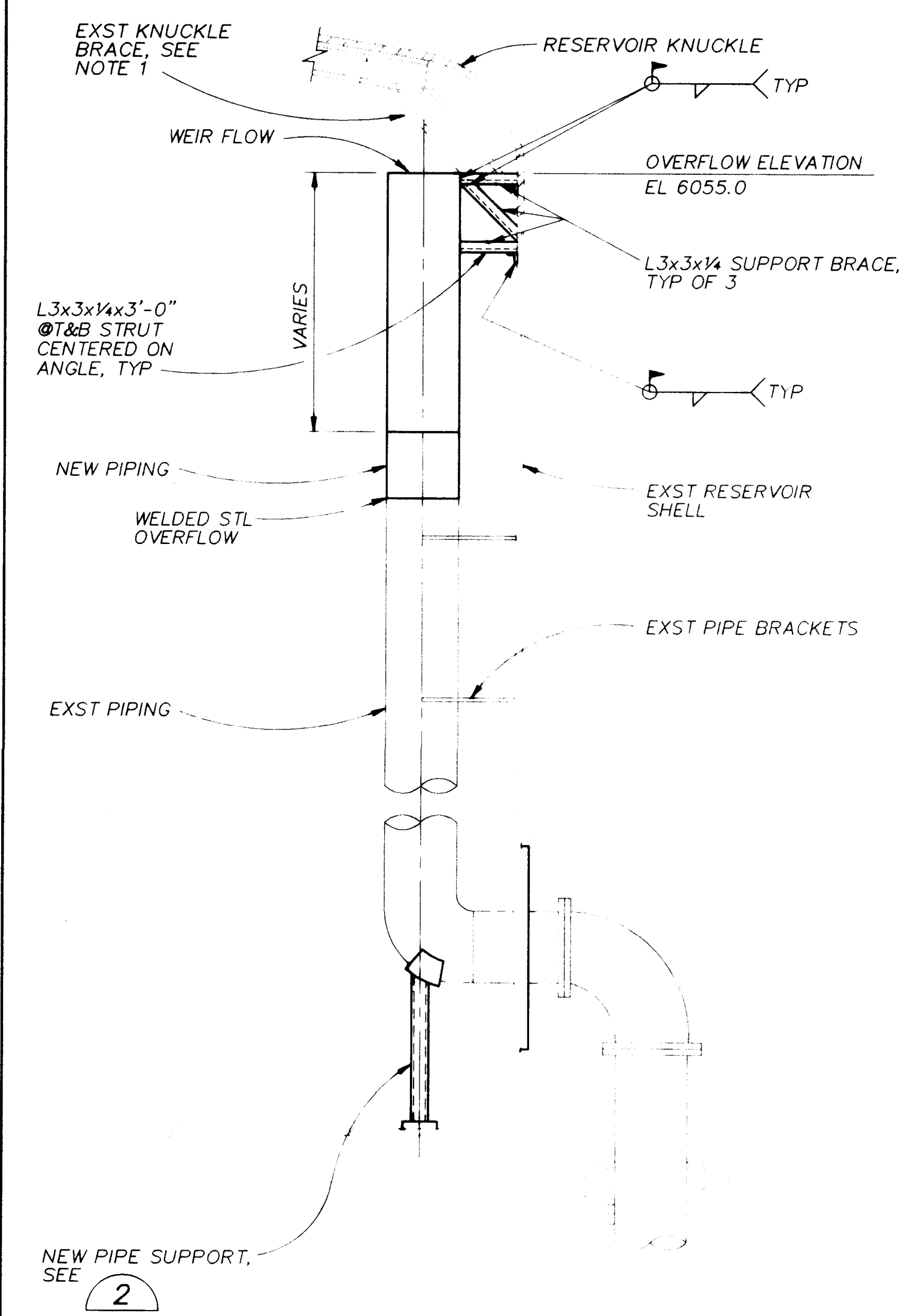
RECORD DRAWINGS

Revisions Drawn by **R. GONZALES** Date **10/13/24**

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.

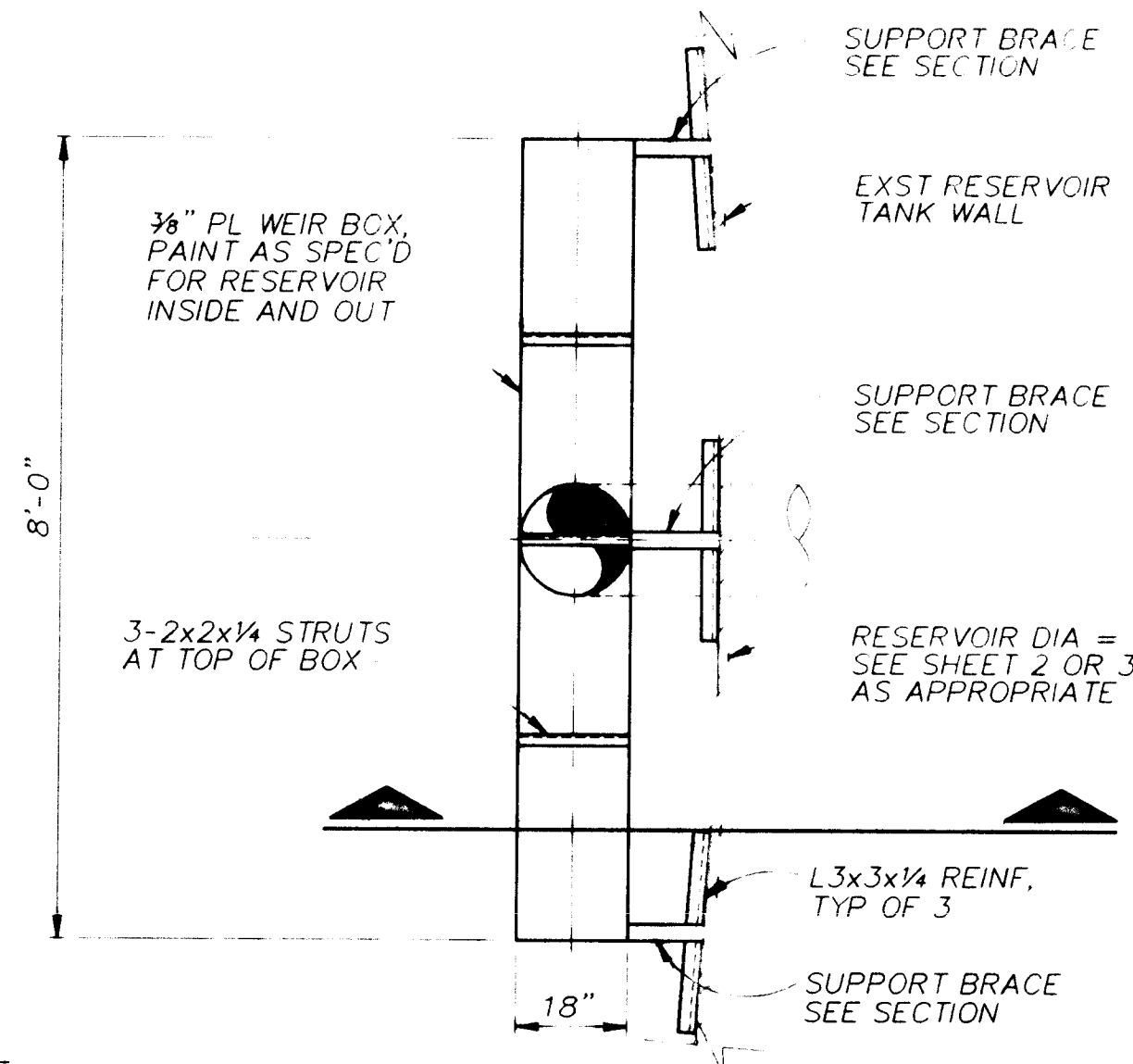


APPROVAL OF RECORD
DRAWINGS
PROJECT ENGINEER
Arthur J. Stuart
E 11/22/94



- NOTES:
- EXST KNUCKLE BRACE MAY INTERFERE W/ NEW OVERFLOW WEIR. CONSULT ENGINEER FOR CONFIGURATION OF WEIR MODIFICATION TO ACCOMMODATE BRACE. DO NOT REMOVE BRACE.

SECTION

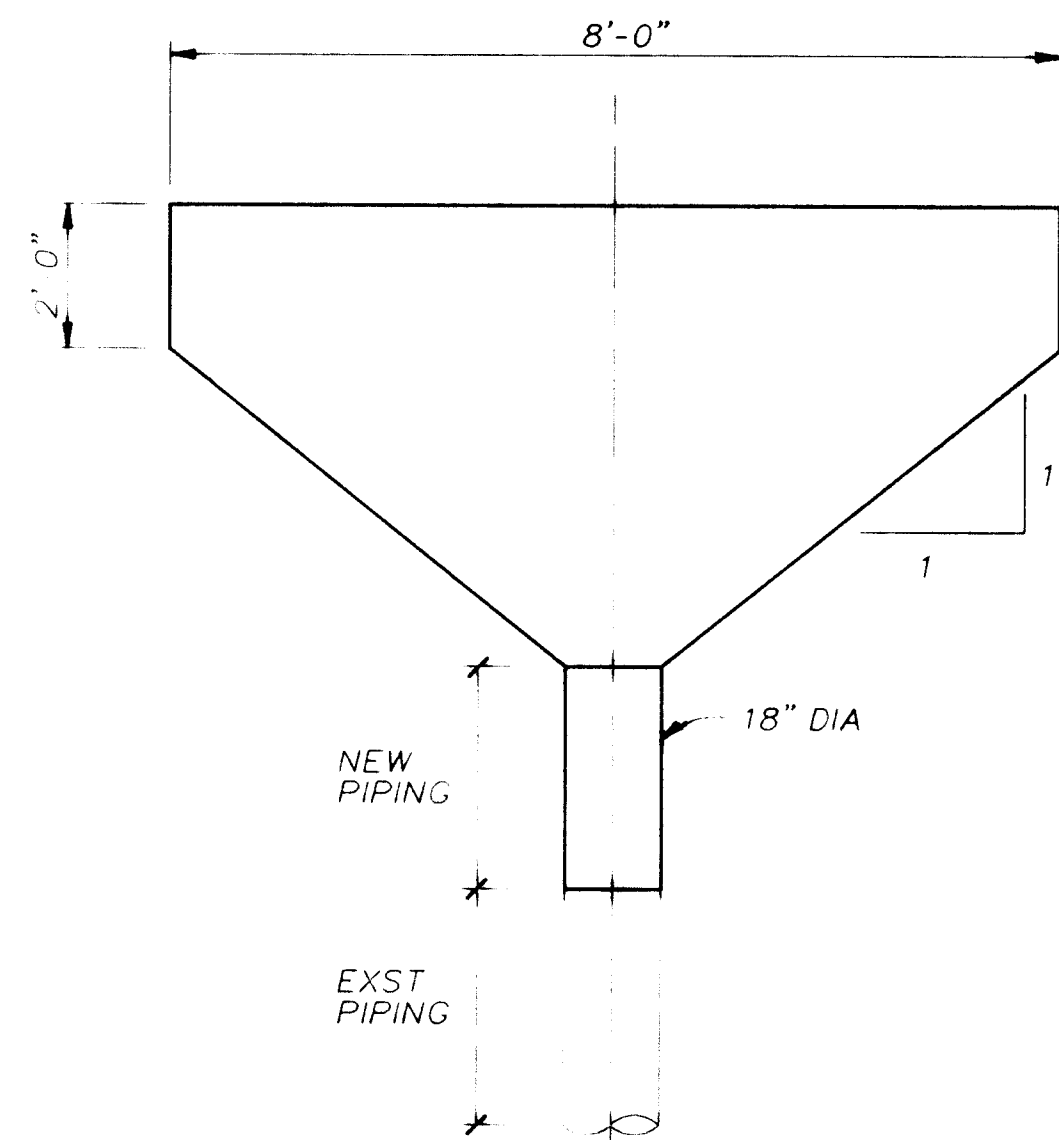


NOTE: DISTANCE BETWEEN WEIR AND RESERVOIR WALL VARIES DUE TO CURVATURE OF WALL

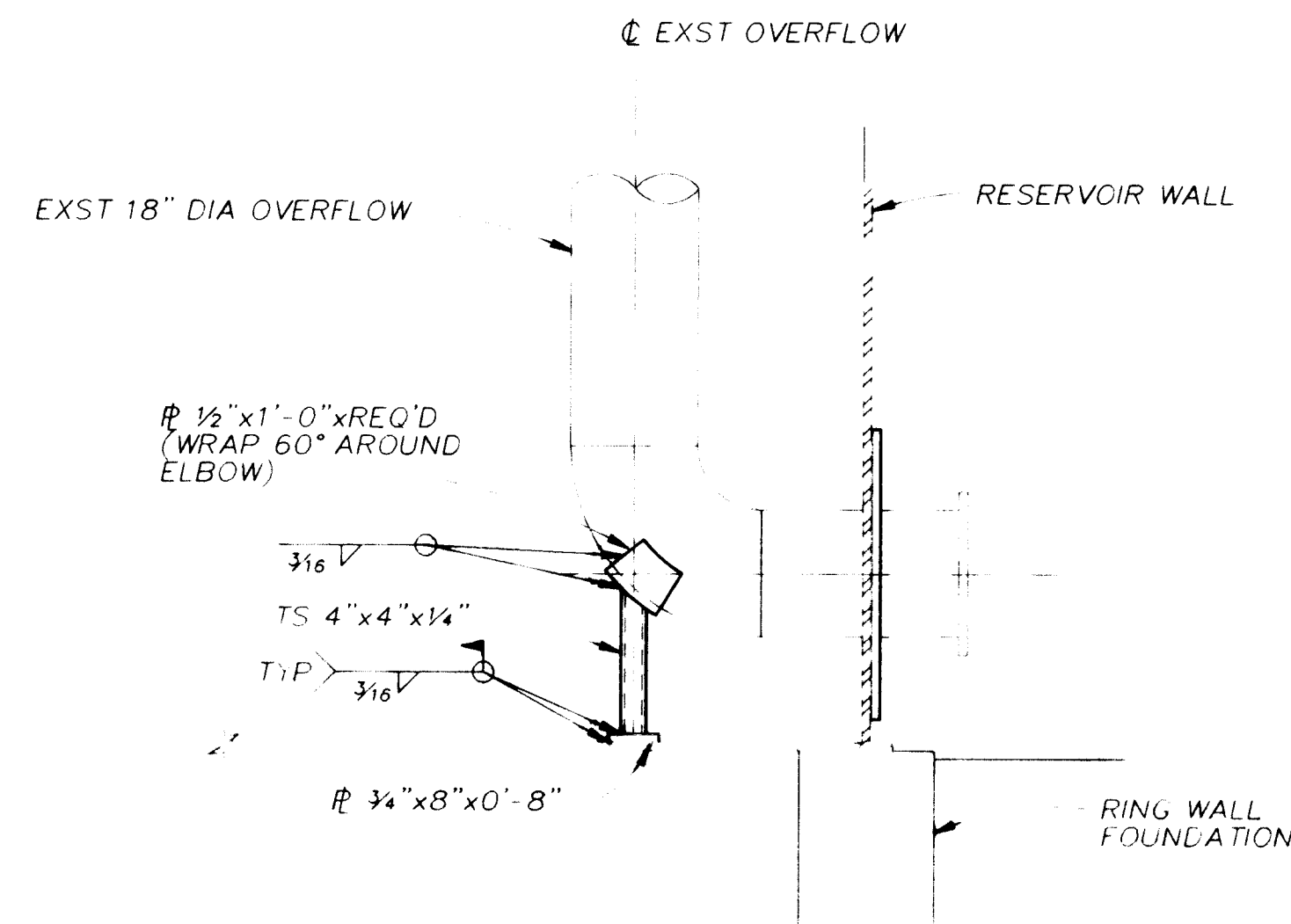
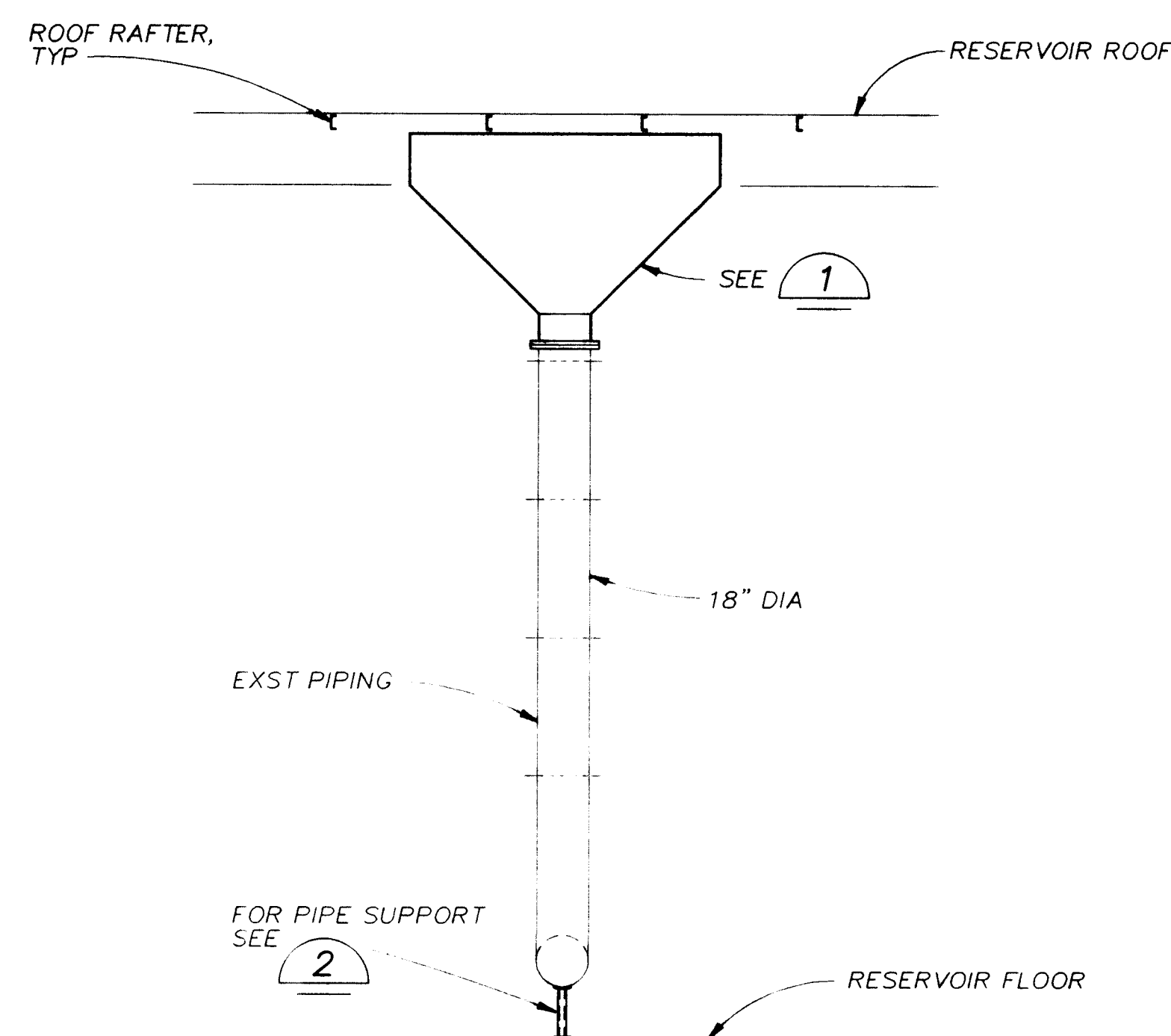
OVERFLOW DETAIL 1

NTS (ESCONDIDO ONLY)

3



NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION. CONSULT ENGINEER FOR RESOLUTION OF CONFLICTS PRIOR TO PROCEEDING WITH WORK



OVERFLOW SUPPORT 2

NTS

VERIFY SCALES

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SCANNED BY JASON

26 4366.970894

APPROVAL OF RECORD DRAWINGS

DESIGNED BY: [Signature]

DATE: 11/24/94

RECORD DRAWINGS

Revisions Drawn by R. GONZALES Date 10/12/94

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: SUPPER ROCK AND ESCONDIDO RESERVOIR					
OVERFLOW WEIR BOX DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRAWING NO. 4366.97		MAP NO.		SHEET 8 OF 12	

1. GRATING SPAN → SEE PLAN.
2. WIDTH OF GRATING SECTIONS SHALL NOT EXCEED 3'-6".
3. SHOP DRAWINGS BASED ON FIELD DIMENSIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION.
4. UNLESS NOTED OTHERWISE ON PLANS, GRATING THICKNESS SHALL BE AS TABULATED IN "GRATING THICKNESS TABLE" FOR APPLICABLE TRAFFIC.
5. BEARING BAR THICKNESS FOR GRATING TO BE 3/16" MINIMUM.
6. BAND ALL EDGES WITH 3/16" x DEPTH OF BEARING BAR.
7. PROVIDE MISCELLANEOUS GRATING FASTENERS AS REQUIRED.
8. TYPE OF MATERIAL USED SHALL BE AS SHOWN ON PLANS OR AS SPECIFIED. THIS STANDARD DETAIL INCLUDES 3 TYPES, ALTHOUGH ALL 3 MAY NOT BE INCLUDED IN PROJECT.
9. THE HORIZONTAL CLEARANCE BETWEEN THE GRATING AND GRATING SUPPORTS SHALL NOT BE LESS THAN 1/4" NOT GREATER THAN 1/2".
10. ALL GRATING SECTIONS, WHEN IN PLACE, SHALL ALWAYS BE FIRMLY ANCHORED TO THEIR SUPPORTS.
11. DO NOT REUSE EXISTING GRATING.

GRATING NOTES

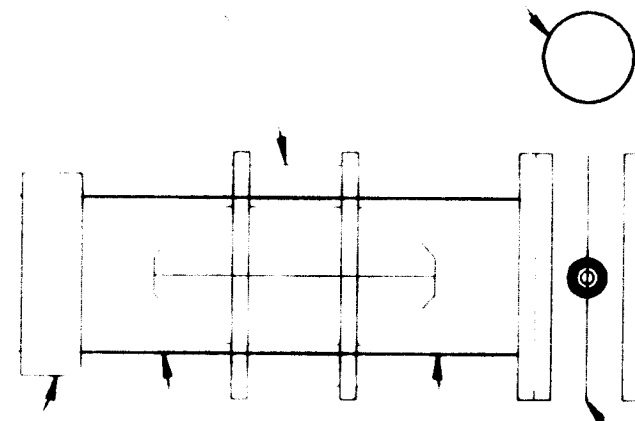
FOOT TRAFFIC GRATING THICKNESS TABLE			
MAXIMUM SPAN	ALUMINUM (IN.)	STEEL (IN.)	FIBERGLASS (IN.)
3'-6"	1 1/4"	1"	1 1/2"
4'-0"	1 1/2"	1"	1 1/2"
4'-6"	1 3/4"	1"	1 1/2"
5'-0"	1 3/4"	1 1/4"	1 1/2"
5'-6"	2"	1 1/4"	1 1/2"
6'-0"	2 1/4"	1 1/2"	1 1/2"
6'-6"	2 1/4"	1 1/2"	1 1/2"
7'-0"	2 1/2"	1 3/4"	1 1/2"

GRATING DETAIL 1

5

FLEXIBLE COUPLING, DRESSER STYLE 78,
WITH THRUST TIES, FABRICATE TIES
ACCORDING TO AWWA M11

SEE L 4



SPECIAL BY CCP
PIPE MANUFACTURER
SEE NOTE 1

PE x FE STL
SPOOL, MORTAR
LINE & TAPE WRAP

NOTES

1. CONTRACTOR SHALL FIELD VERIFY VALVE ENDS AND EXISTING PIPE PRIOR TO ORDERING NEW VALVE AND SPECIALS.
2. INSTALL BUTTERFLY VALVE WITH STEM HORIZONTAL.

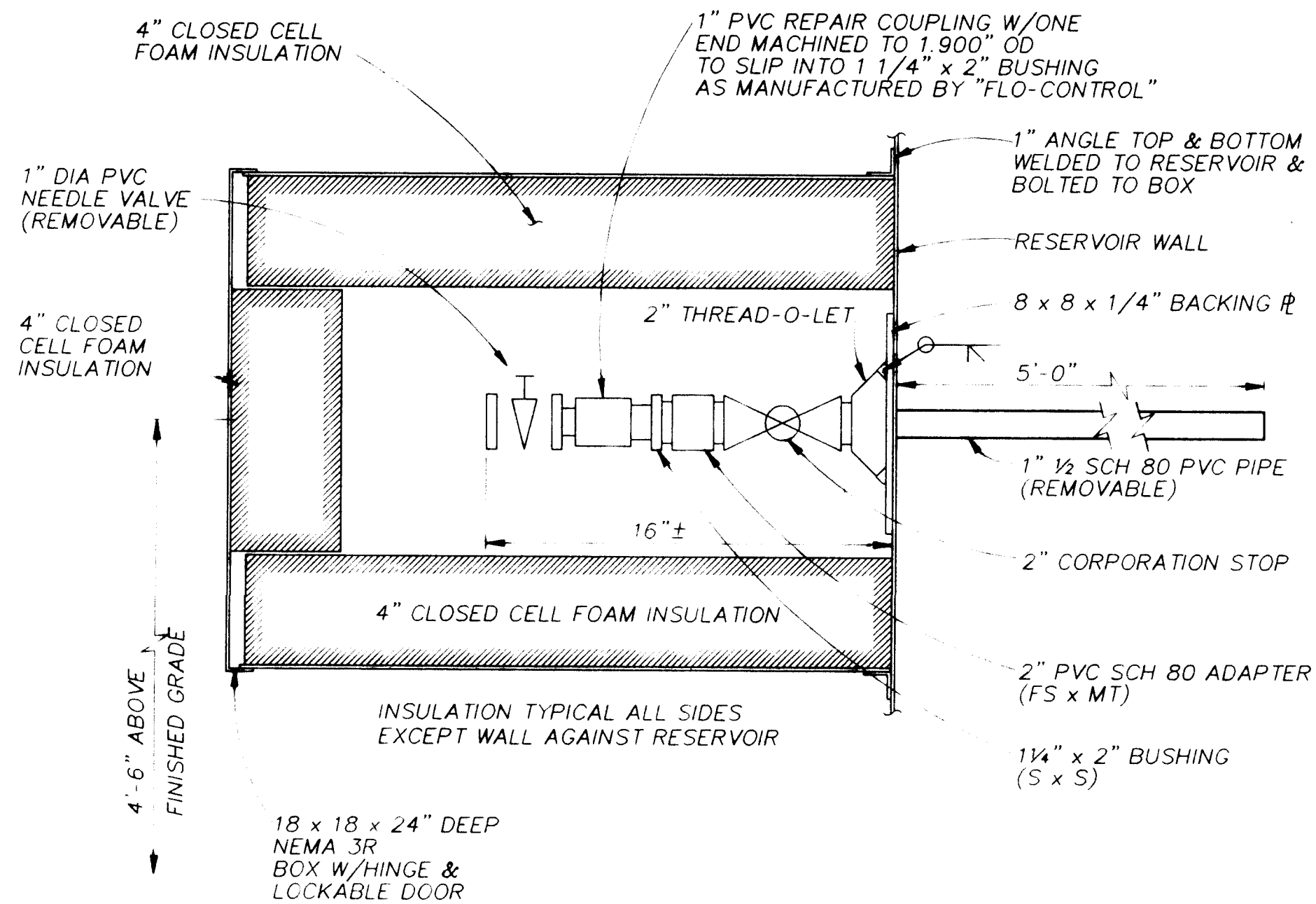
VALVE REPLACEMENT DETAIL 3

NTS

2

REPLACE EXST GATE
VALVE W/NEW V504,
SIZE AS REQ'D BY
EXST INSTALLATION.
SEE NOTES

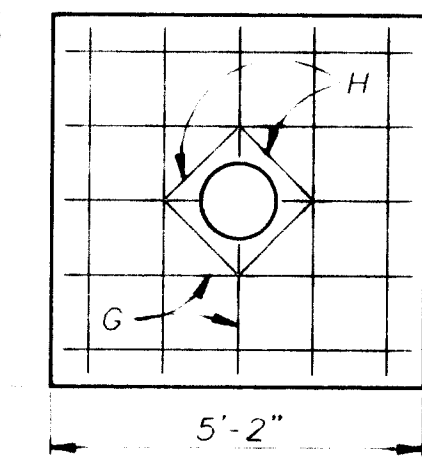
FLG x PE STL
SPOOL, MORTAR
LINE & TAPE WRAP



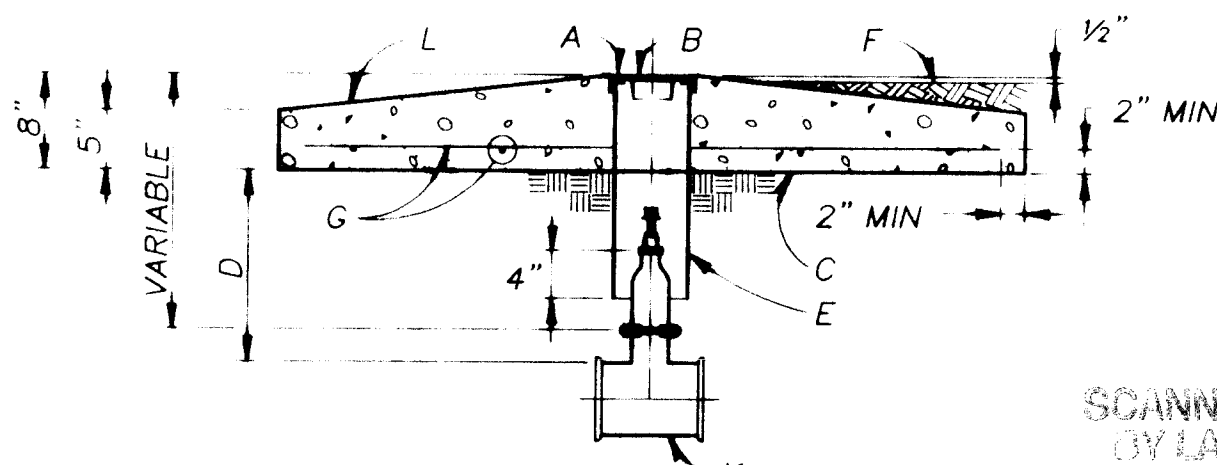
SAMPLING STATION DETAIL 2

NTS

2,3



CONCRETE PAD PLAN VIEW



SECTION

DETAIL 4

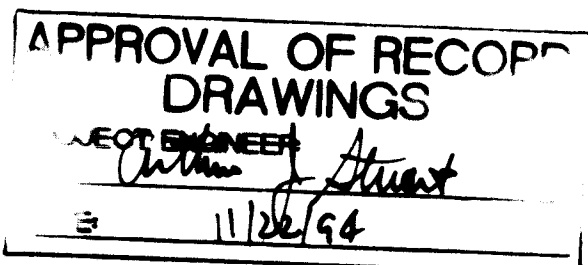
GENERAL NOTES:

1. SIDES OF CONC. PAD TO BE PARALLEL AND PERPENDICULAR TO THE NORMAL STREET TRAFFIC FLOW.
2. USE THIS TYPE OF VALVE BOX FOR LOCATION IN UNPAVED STREETS OR ALLEYS AND IN NON-TRAFFIC EASEMENTS.

CONSTRUCTION NOTES:

- A. RING
- B. COVER
- C. PORTLAND CEMENT CONC. 3000 P.S.I.
- D. COMPACTED EARTH FILL, 90% TO 95% OF MAX DENSITY AS DETERMINED BY A.S.T.M. D 1557
- E. 6" PVC C-900
- F. GROUND LEVEL
- G. NO. 4 BARS AT 12" O.C. EACH WAY
- H. NO. 4 BARS 1'-6" LONG
- K. NEW VALVE
- L. SCRIBE IN THE FRESH CONCRETE THE SIZE OF THE VALVE

SCANNED BY
CYLASON



RECORD DRAWINGS

Revisions Drawn by R. GONZALES Date 10/12/94

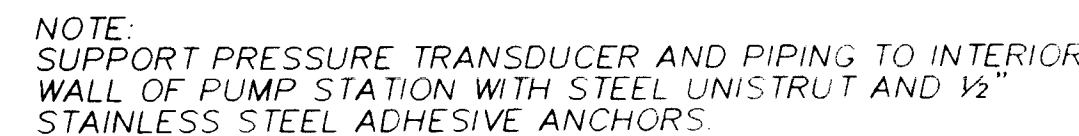
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: SUPPER ROCK AND ESCONDIDO RESERVOIRS MECHANICAL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Trans. Dev.			Waste Water		
Hydrology					
DRAWING NO. 4366.97		MAP NO.		SHEET 9 OF 12	

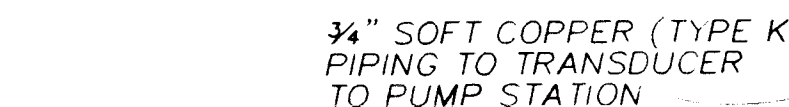
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE		DATE		DATE	
CONTRACTOR	WORK	INSPECTOR	DATE	NO.	BY	DATE	THESE DRAWINGS WERE MODIFIED USING AUTOCAD AND REPLOTTER FOR RECORD PURPOSES AND THEREFORE DO NOT HAVE THE ENGINEER'S STAMP OR OTHER SIGNATURES THAT APPEAR ON THE ORIGINAL CONTRACT DRAWINGS.	NO.	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	DATE	DATE	DATE	DATE	
										M. NANNINGA	W. KENAS	L. EICK	APRIL 1993	APRIL 1993	APRIL 1993		



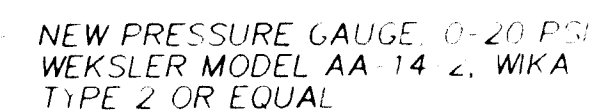
NTS (SUPPER ROCK RESERVOIR ONLY)



NTS



NTS (SUPPER ROCK RESERVOIR ONLY)



NEW RESERVOIR LEVEL PRESSURE
TRANSDUCER, HONEYWELL MODEL
STG644-E1G-00000-DM, SEE NOTE 1

NEW 12 GAUGE STEEL ENCLOSURE
(12" x 12" x 18") WITH HINGED
COVER AND HASP (SEE NOTE 2)

1/4" NEEDLE VALVE, TYP 2

1/2" x 1/4" RDCR. TOP 2

1/2" RIGID COPPER (TYPE L)

3/4" x 1/2" PVC THREADED BUSHING

2" PVC SLEEVE

18" x 18" x 4" CONCRETE SLAB

SOFT COPPER (TYPE K)
1/2" PIPE TAP

CONCLUSIONS

W/ VALVE BOX, SEE SITE PLAN

- NOTES

- 1 PROVIDE FLEXIBLE CONDUIT AND WIRE FROM NEW PRESSURE TRANSDUCER INTO RTUTB
- 2 FILL NEW ENCLOSURE WITH VERMICALITE LOOSE FILL INSULATION, ASTM C516 TYPE 2, GRADE 0,1 OR 2
- 3 CONTRACTOR SHALL ALSO PROVIDE 1 EA HONEYWELL SMART FIELD COMMUNICATOR, MODEL STS 102.

NTS (ESCONDIDO RESERVOIR ONLY)




NTS (ESCONDIDO RESERVOIR ONLY)

SCANNED BY
BY LASON

Revisions Drawn by R. GONZALES Date 10/12/94

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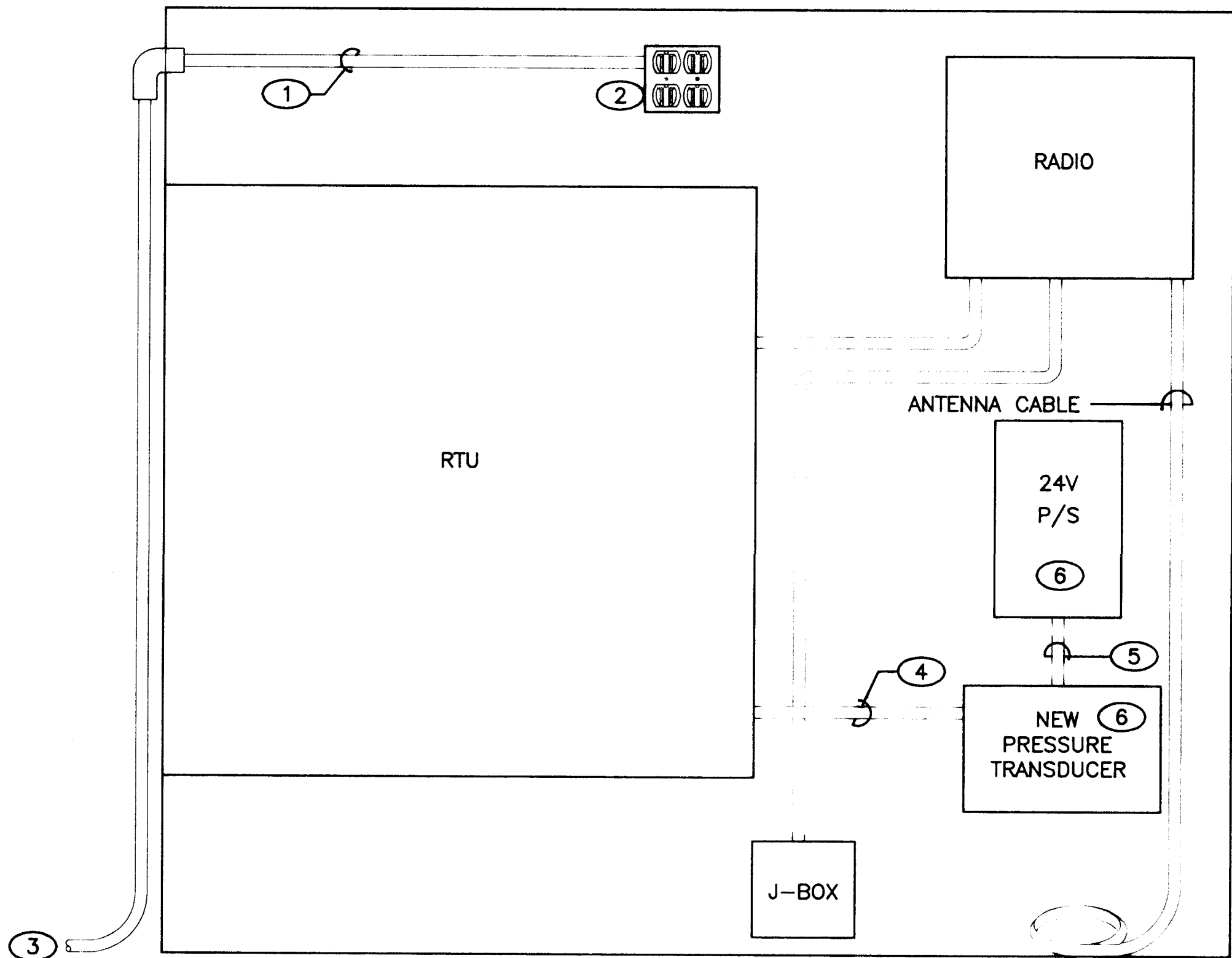
APPROVAL OF RECORD
DRAWING
BY *Arthur J. Stuart*
11/22/54

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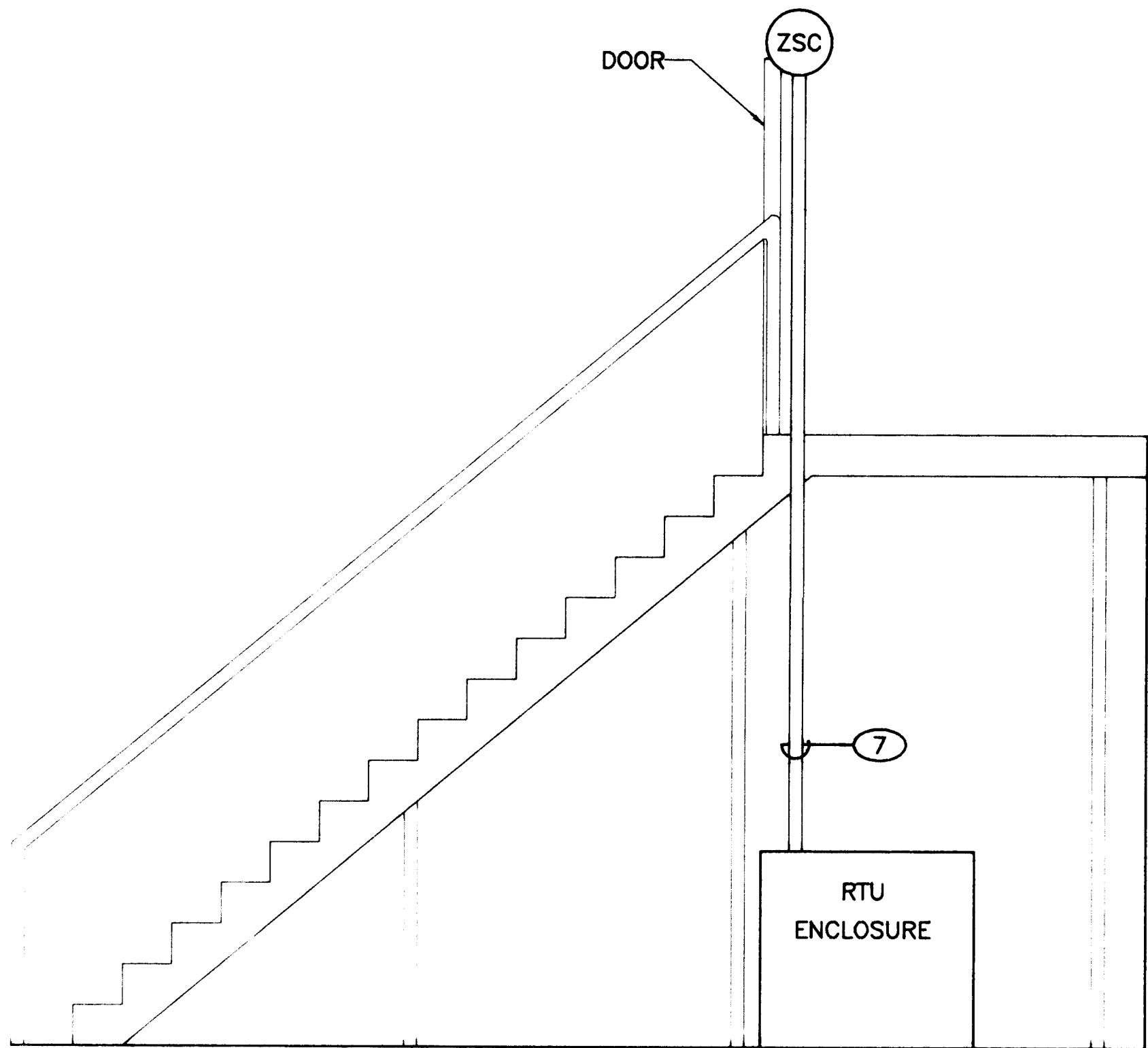
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SUPPER ROCK AND ESCONDIDO RESERVOIRS
MISCELLANEOUS DETAILS

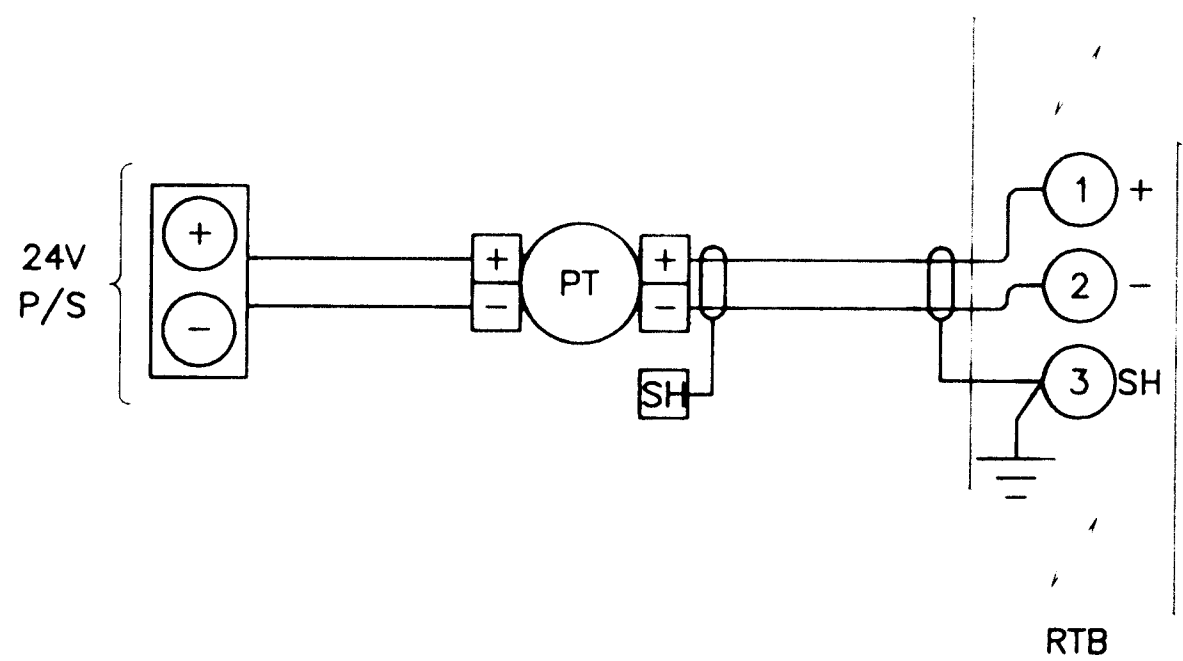
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Trans. Dev.			Waste Water		
Hydrology					
DRAWING NO. 4366.97		MAP NO.		SHEET 10 OF 12	



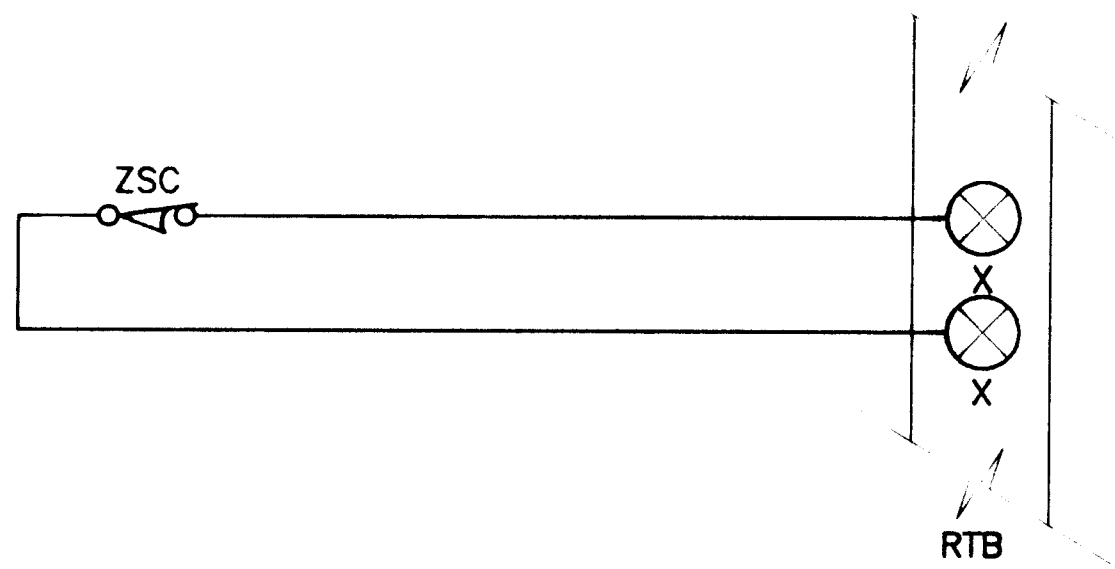
RTU ENCLOSURE ELEVATION
N.T.S.



POSITION SWITCH INSTALLATION DETAIL
N.T.S.



PRESSURE TRANSDUCER CONNECTION DIAGRAM
N.T.S.



DOOR POSITION SWITCH CONNECTION
N.T.S.

NOTES

- ① 3/4" PVC RMC (NEW).
- ② NEW FOUR-PLEX RECEPTACLE. SECURE TO RTU ENCLOSURE.
- ③ 3/4" PVC RMC (NEW). SEE SITE PLAN FOR CONTINUATION.
- ④ 3/4" FLEX (NEW). REFERENCE SCHEMATIC.
- ⑤ PROVIDE POWER TO NEW PRESSURE TRANSDUCER FROM 24V POWER SUPPLY (P/S).
- ⑥ SECURE PRESSURE TRANSDUCER TO RTU ENCLOSURE.
- ⑦ NEW 3/4" PVC RMC WITH 2 THWN #12 WIRES FOR DOOR POSITION SWITCH (ZSC). MOUNT CONDUIT AGAINST RESERVOIR WALL. REFERENCE CONNECTION DIAGRAM. POSITION SWITCH PROVIDED BY OWNER.

GENERAL NOTES

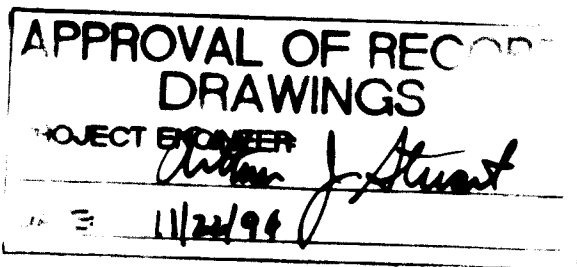
1. UNLESS INDICATED OTHERWISE, ALL EQUIPMENT IS EXISTING.

ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION			
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			NO.	BY	DATE					
NO.	DATE	REMARKS	BY							
REVISIONS										
DESIGN										
DESIGNED BY	APC	DATE	7-93							
DRAWN BY	JKH	DATE	7-1-93							
CHECKED BY	SES	DATE	7-93							

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BY LASON

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RECORD DRAWINGS

Revisions Drawn by R. GONZALES Date 10/12/94

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ESCONDIDO RESERVOIR ELECTRICAL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Trans. Dev.			Wastewater		
Hydrology					
DESIGNED BY APC		DATE 7-93	DRAWN BY JKH		DATE 7-1-93
CHECKED BY SES		DATE 7-93			
DRAWING NO.	4366.97		MAP NO.	SHEET 11 OF 12	

