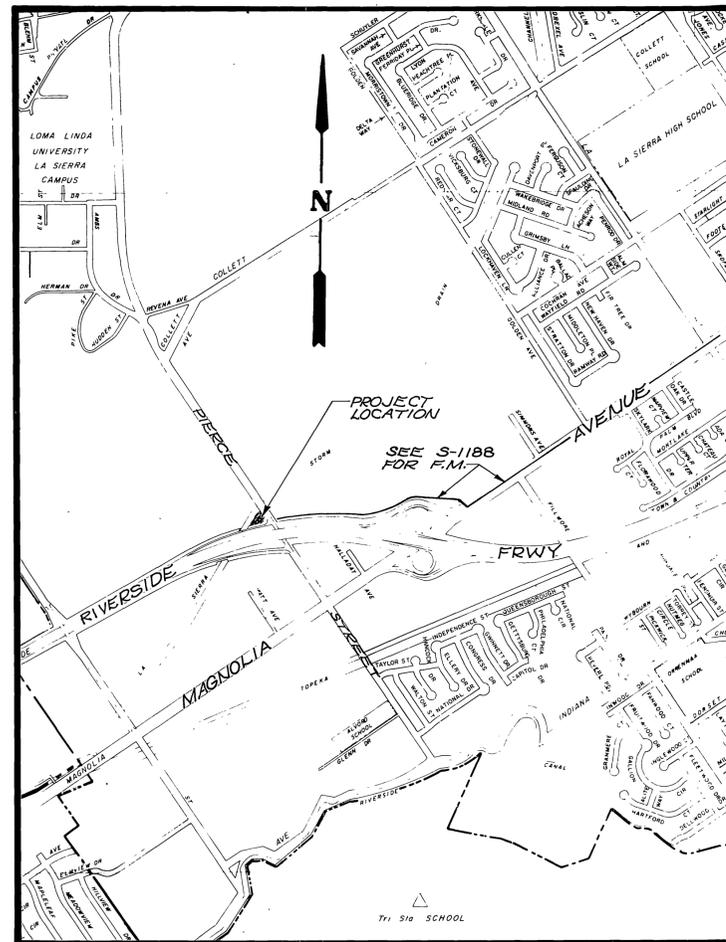
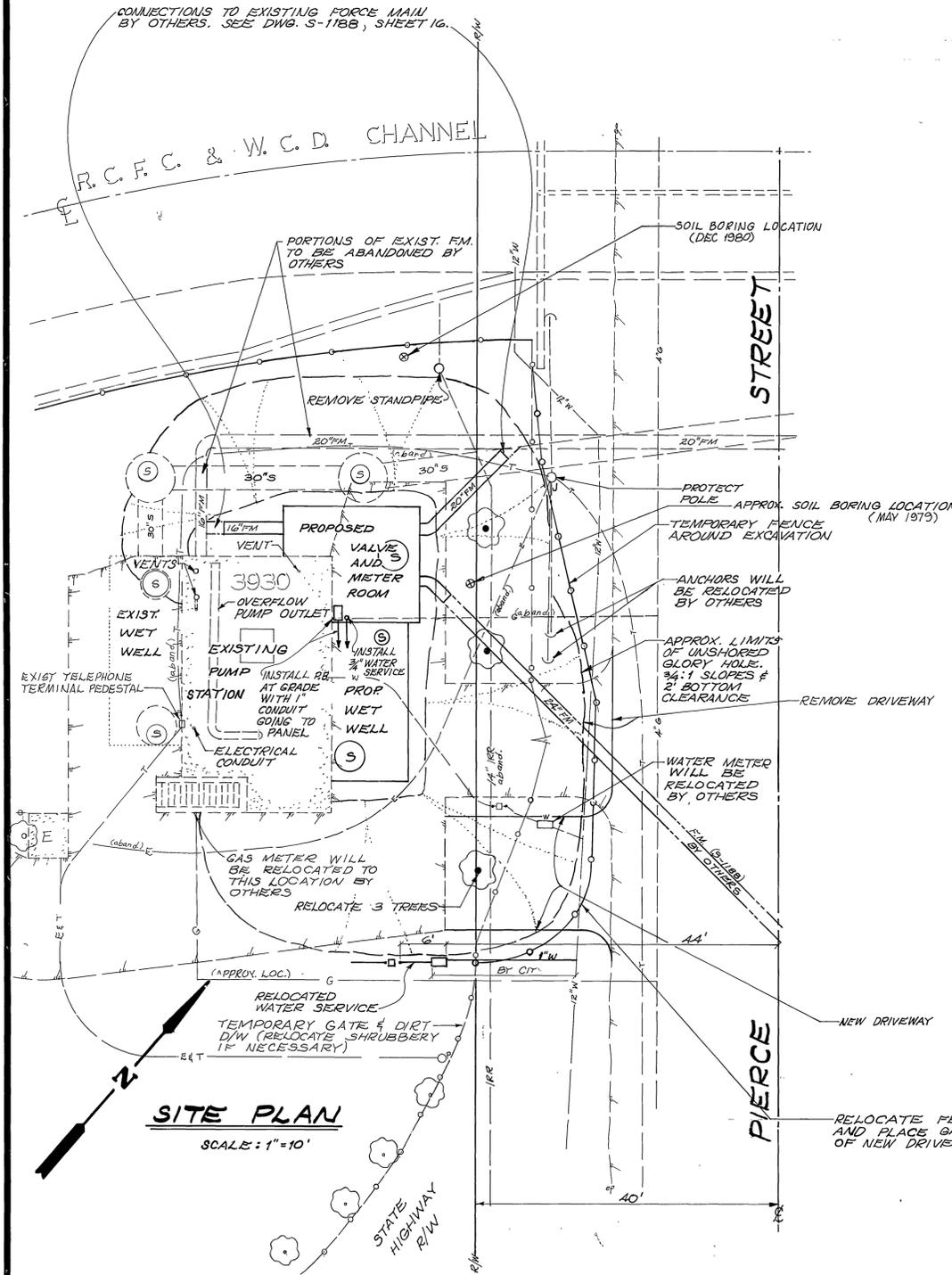


# RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

## PUBLIC WORKS DEPARTMENT PIERCE STREET SEWAGE PUMP STATION ENLARGEMENT



**PROJECT LOCATION PLAN**  
SCALE 1" = 1000'

SHEET INDEX	
SHEET	DESCRIPTION
1	COVER SHEET; SITE WORK
2	STRUCTURE PLAN; DESIGN DATA
3	STRUCTURE SECTIONS
4	CONCRETE REMOVAL (CORING AND SAWING); EXISTING WALL REBAR; JOINT DETAILS; 30" VCP EXTENSION
5	PIPE AND FITTINGS; UTILITIES, HARDWARE AND INSTRUMENTATION

**NOTES:**

1. SEE SPECIAL PROVISIONS FOR DETAILS NOT SHOWN.
2. CONSTRUCTION SHALL CONFORM TO STATE (CALTRANS) STANDARD SPECIFICATIONS DATED JANUARY 1978, PRIMARILY SECTIONS 51 (CONCRETE STRUCTURES) AND 74 (PUMPING PLAN, EQUIPMENT).
3. MANHOLE FRAMES AND COVERS FOR 4' I.D. MANHOLES SHALL BE TWO PART CONCENTRIC COVER TYPE ALHAMBRA FOUNDRY A-154 OR EQUAL AND A-1495 FOR 2' I.D. MANHOLE.
4. ALL NECESSARY SURVEY WILL BE DONE BY THE CONTRACTOR.
5. CONTRACTOR SHALL DO ALL WORK ON SITE (TO THE METER) FOR TEMPORARY WATER SERVICE - SEE SPECIAL PROVISIONS FOR FEE.

<b>CITY OF RIVERSIDE</b>	
<b>PUBLIC WORKS DEPARTMENT</b>	
APPROVED BY: _____	DATE: 1/12/80
PRINCIPAL ENGINEER: _____	DATE: 1/12/80
PARK DEPARTMENT: _____	DATE: 1/12/80
TRAFFIC DIVISION: _____	DATE: 1/12/80
CHIEF P.W. ENGINEER: _____	DATE: 1/12/80
DESIGNED BY: _____	DATE: 1/12/80
DRAWN BY: _____	CHECKED BY: _____

<b>PIERCE STREET</b>	
<b>SEWAGE PUMP</b>	
<b>STATION ENLARGEMENT</b>	
<b>COVER SHEET, SITE PLAN</b>	

INDEXED BLD
AWK 32-577-508
<b>S-1197</b>
SHEET 1 OF 5

EXISTING PUMP STATION  
(LOWER LEVEL)

FLOOR - 665.65 TO 665.82  
UPPER FLOOR - 678.65  
ROOF - 692.20 TO 692.00

FLOOR - 665.65  
ROOF - 678.65  
WET WELL

VALVE AND THICKENED AREA BELOW FLOOR

FLOOR - 674.50  
ROOF - 684.50

METER ROOM

EXIST. GATE  
5' I.D. M.H.  
(EXISTING)

WELDING SCHEDULE		
NEW REBAR TO CHANNEL OR ANGLE REBAR SIZE FILLET WELD (BOTH SIDES)		
	SIZE	LENGTH
#4	3/16"	1 1/2"
#5	3/16"	1 3/4"
#6	3/16"	2 1/2"
#7	3/16" or 1/4"	3"
#7	1/4"	2 1/2"

NOTE: WELDING DETAILS FOR CONNECTING CHANNELS AND ANGLES TO EXIST. REBAR ARE SHOWN ON THE PLANS.

- NOTES:
- FOOTINGS ARE NOT SHOWN HERE.
  - SUBJECT INDEX
  - CONCRETE REMOVAL..... SHEET 4
  - PIPING..... SHEET 5
  - REINFORCEMENT..... SHEETS 3 & 4
  - 30" V.C.P..... SHEET 4
  - UTILITIES, HARDWARE..... SHEET 5 AND INSTRUMENTATION
  - WELDING SCHEDULE..... SHEET 2

F.B. - 969/10  
ELEV - 698.12  
B.M. - TOP OF YELLOW PAINTED BOLT AT BASE OF STATION SIGN POST ON S.W. CORNER OF MAGNOLIA AND PIERCE.

**CONCRETE**  
f'c = 3000 psi  
f'c = 1,350 psi

**REINFORCEMENT**  
f's = 20,000 psi

**COVERAGE**  
INSIDE DRY AREAS - 1"  
OUTSIDE - 2"  
ON GROUND - 3"  
INSIDE WET WELL - 2"

**SPLICES**  
24 DIA. OF SMALLER BAR

<p>APPROVED BY: <i>[Signature]</i> DATE: 12/13/80</p> <p>PRINCIPAL ENGINEER: JHE</p> <p>PARK DEPARTMENT</p> <p>TRAFFIC DIVISION</p> <p>CHIEF P.W. ENGINEER: WJS</p>		<p>APPROVED BY: <i>[Signature]</i> DATE: 12/13/80</p> <p>PUBLIC WORKS DIRECTOR</p>		<p>CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT</p>	<p>PIERCE STREET SEWAGE PUMP STATION ENLARGEMENT</p>	<p>ACCOUNT NO. 32-577-50B</p> <p>S-1197</p> <p>SHEET 2 OF 5</p>
<p>DESIGNED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i></p>		<p>DATE: 12/13/80</p>		<p>HORIZ. SCALE: 1" = 2'</p>		

STAIRWAY (ABOVE)

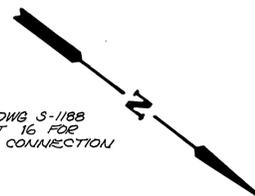
STAIRWAY

OPENING

BEAM BELOW FLOOR

FLOOR HUMPED OVER SEWER

SEE DWG S-1188 SHEET 16 FOR PIPE CONNECTION

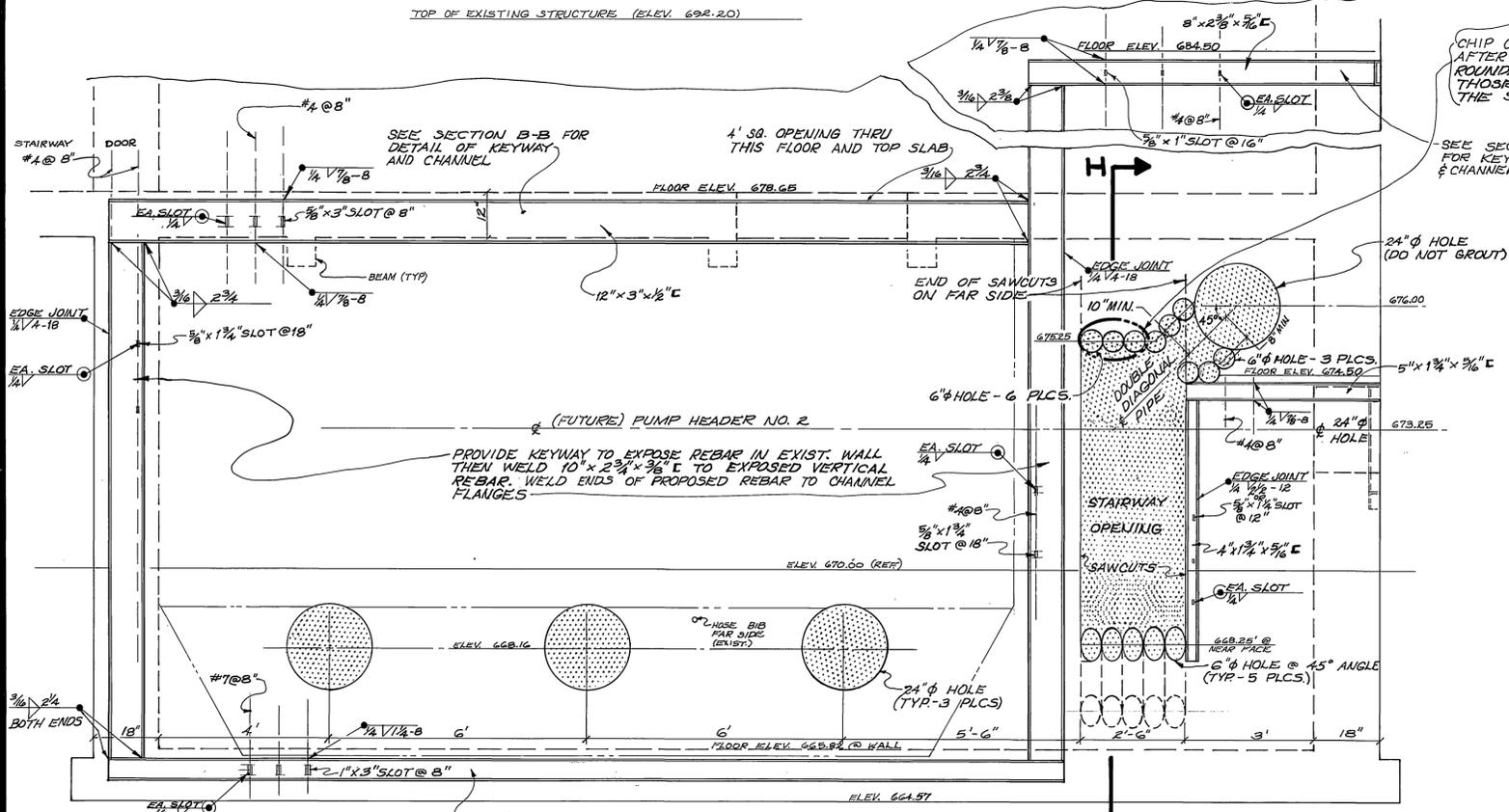


MATCH TO DWG S-1188 SHEET 2

AS BUILT 2-24-82 JLM INDEXED BLD

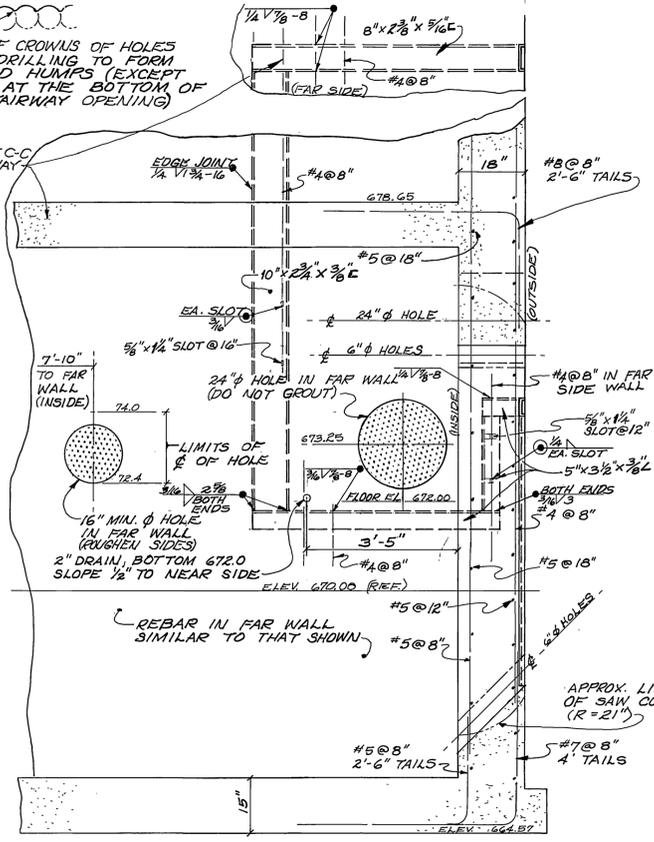


TOP OF EXISTING STRUCTURE (ELEV. 692.20)



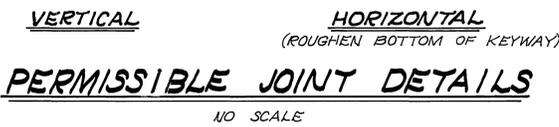
**OUTSIDE VIEW OF EXISTING WALL**  
(FROM PIERCE STREET SIDE)

SEE SECTION H-H FOR REBAR. CONCRETE PLACED IN 1970 AVERAGED OVER 4000 PSI 28 DAYS AFTER PLACEMENT WITH 5% ± AIR ENTRAINMENT.

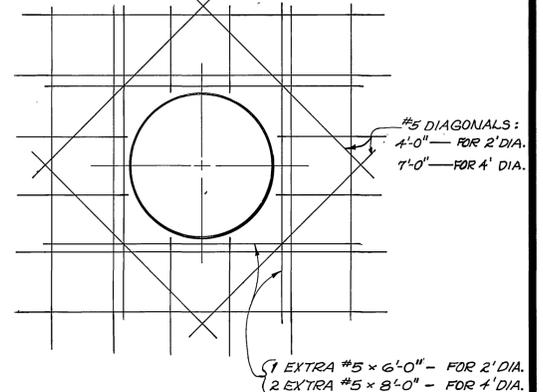


**SECTION H-H**  
(EXISTING WALL REBAR)

NOTE: REBAR IS SHOWN ONLY WHERE IT AFFECTS CONCRETE REMOVAL. GROUT HOLES FOR ADDED REBAR NOT SHOWN.



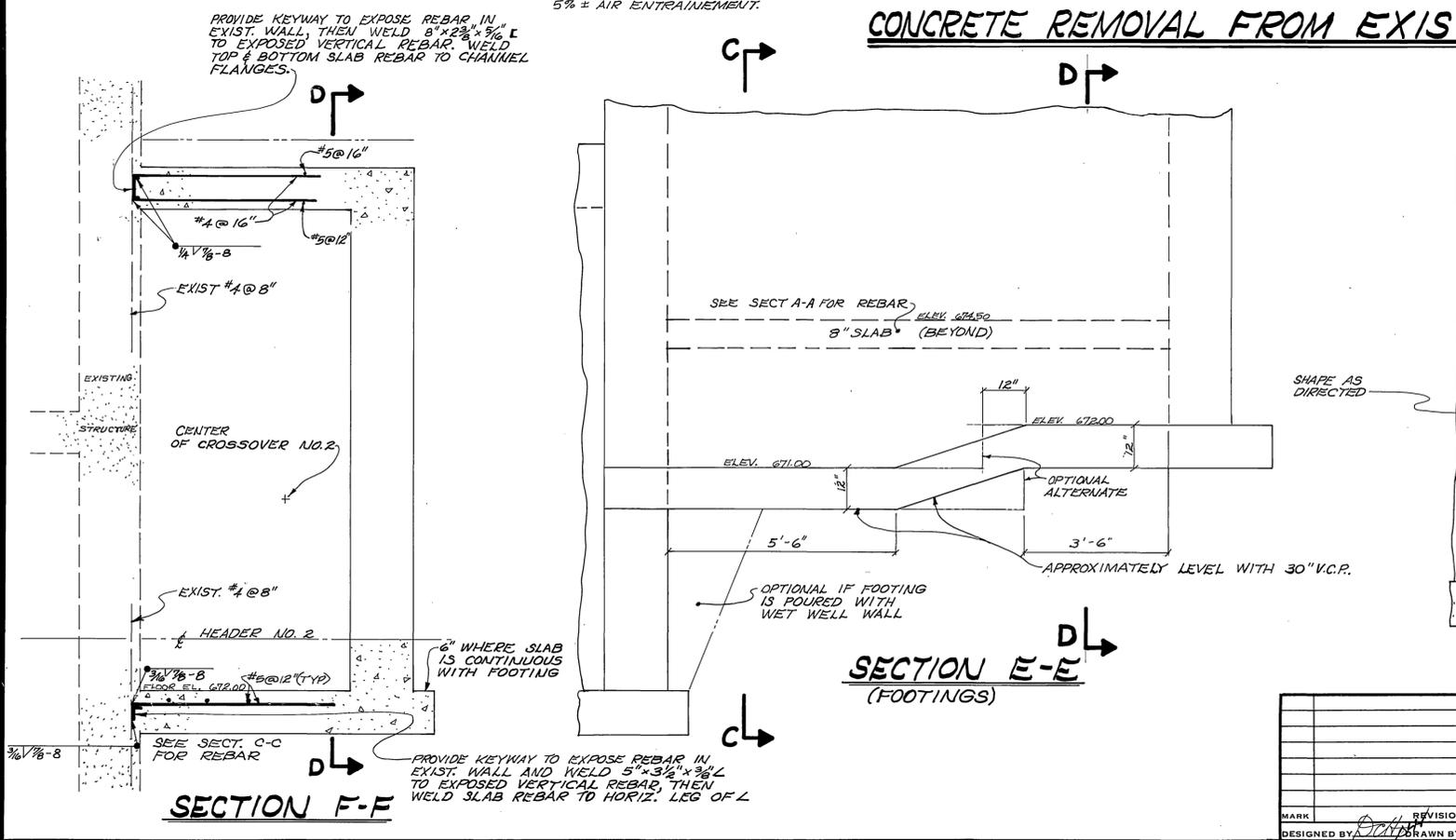
**PERMISSIBLE JOINT DETAILS**  
NO SCALE



**DETAIL OF BOTTOM REBAR AT MANHOLE OPENINGS**

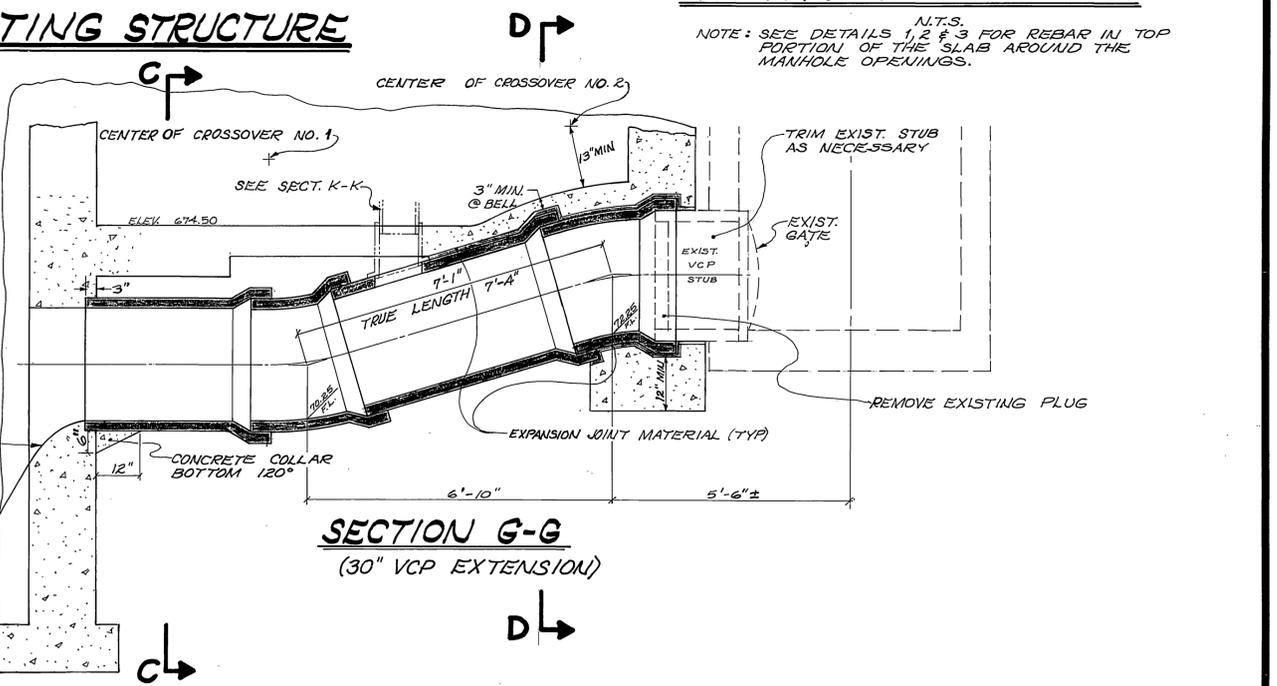
NOTE: SEE DETAILS 1, 2 & 3 FOR REBAR IN TOP PORTION OF THE SLAB AROUND THE MANHOLE OPENINGS.

**CONCRETE REMOVAL FROM EXISTING STRUCTURE**



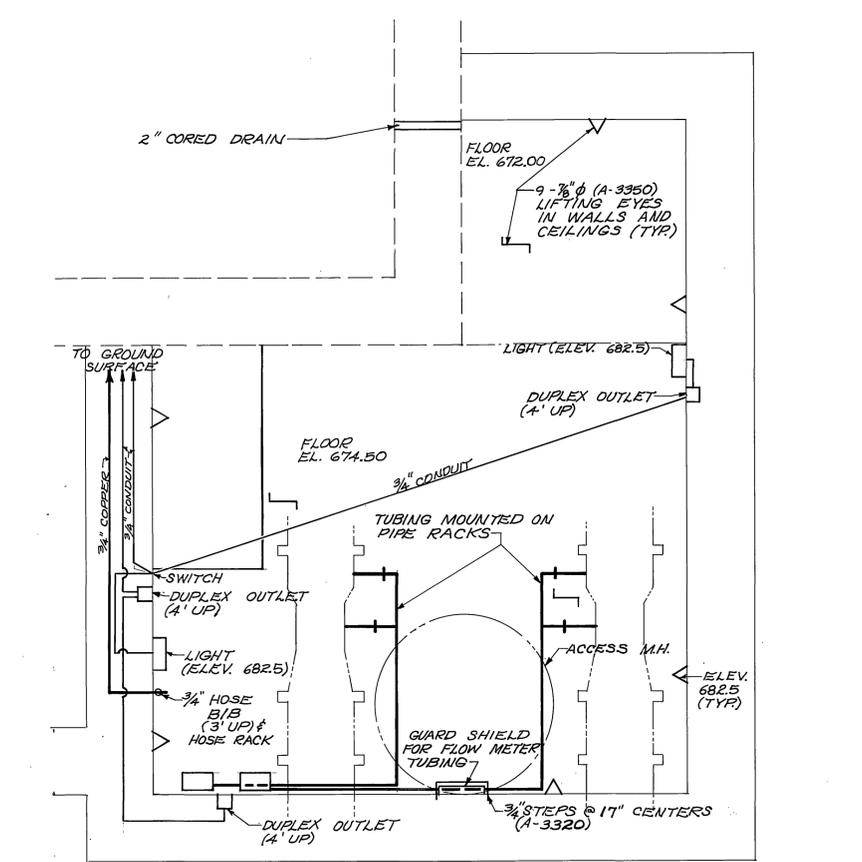
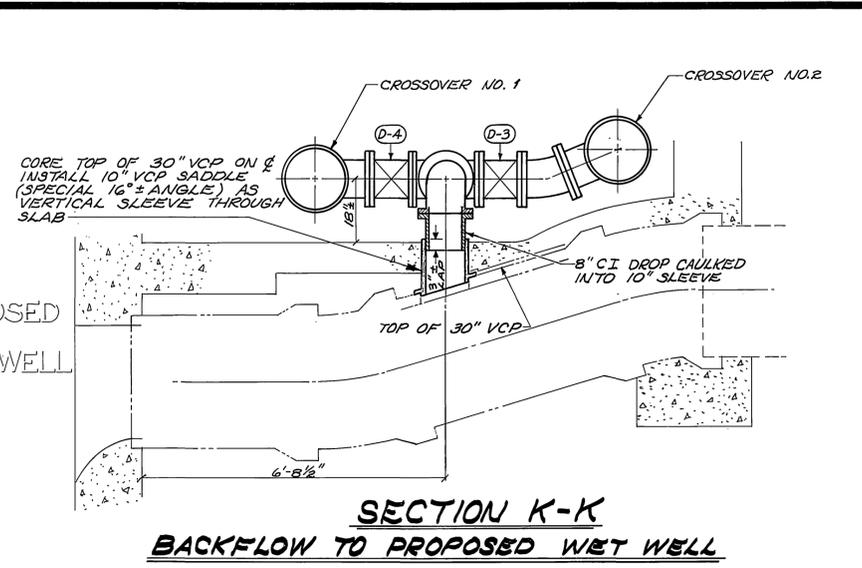
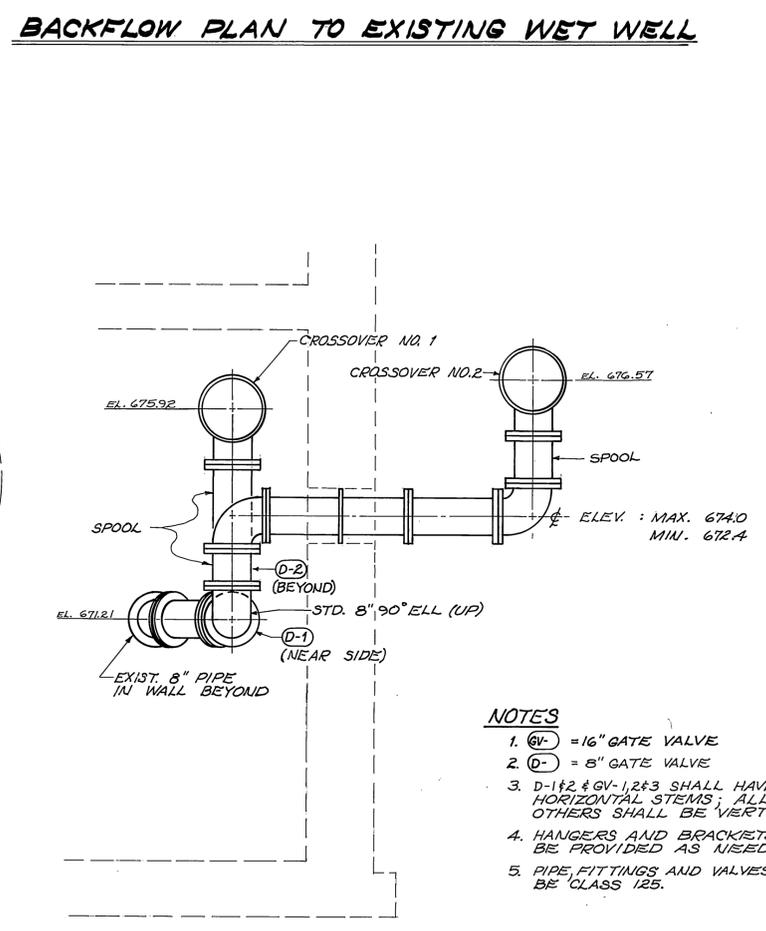
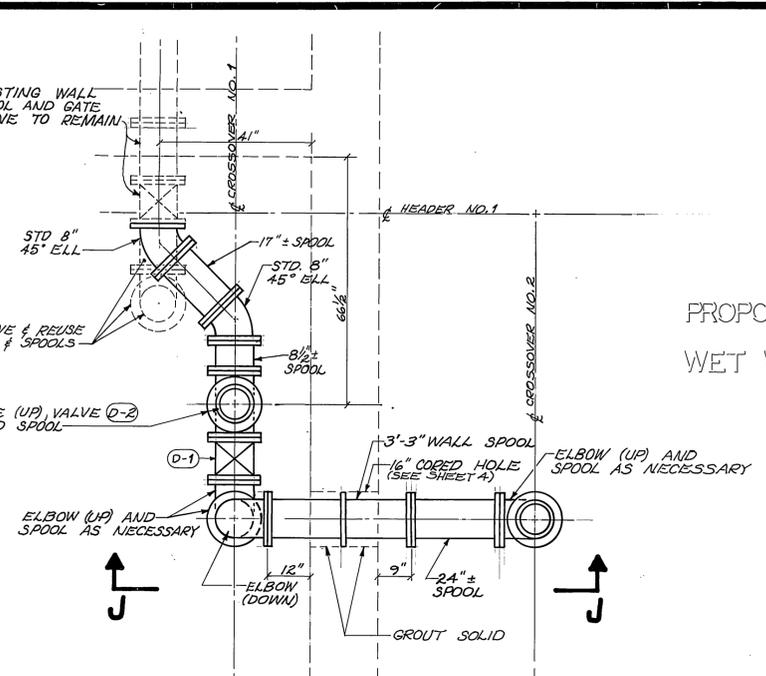
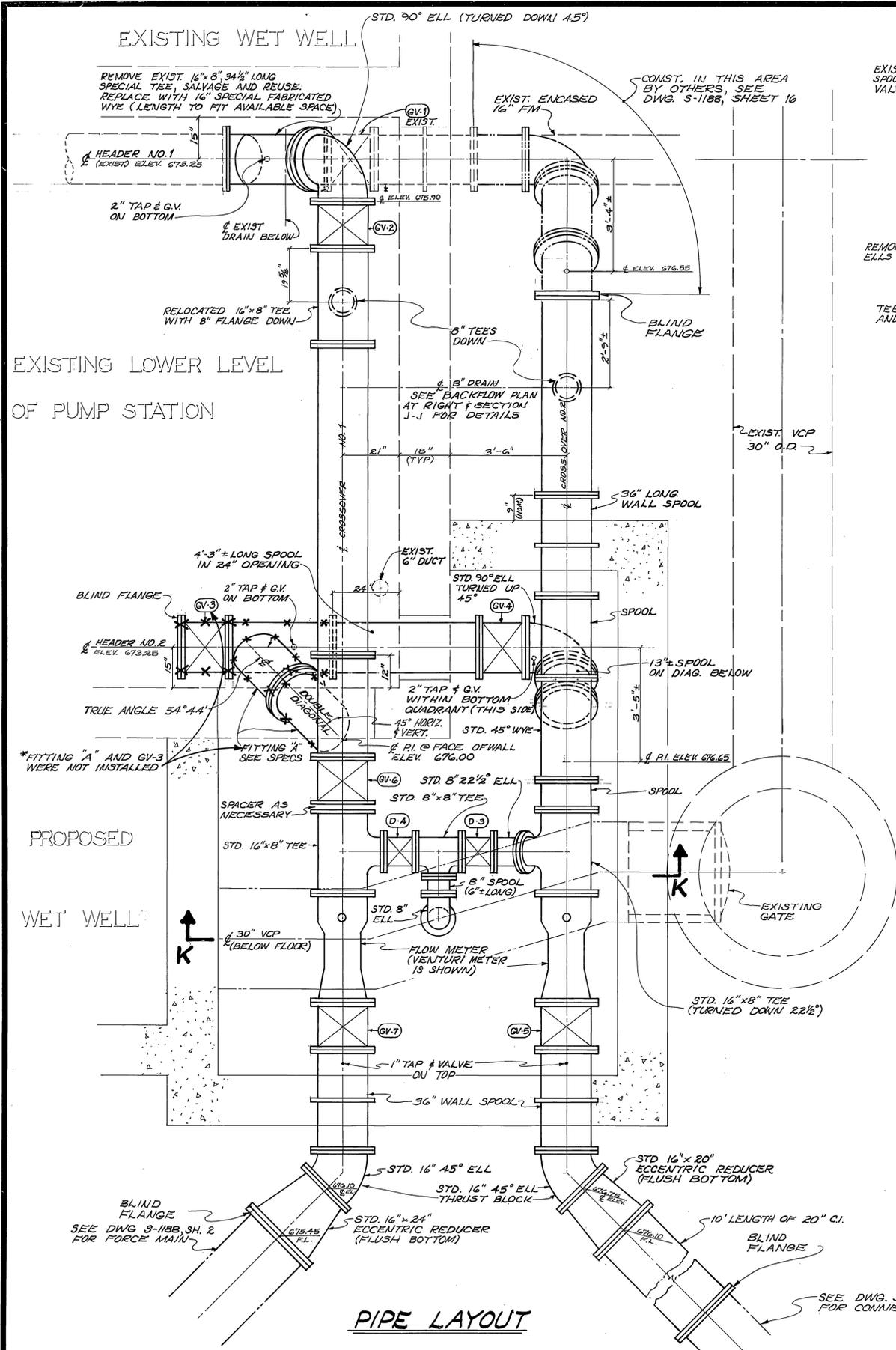
**SECTION E-E**  
(FOOTINGS)

**SECTION F-F**



**SECTION G-G**  
(30" VCP EXTENSION)

<p><b>CITY OF RIVERSIDE</b> PUBLIC WORKS DEPARTMENT</p>		<p>AS BUILT 2-24-82 RCM</p>	
<p>APPROVED BY: <i>[Signature]</i> DATE: 1/15/80</p>	<p>APPROVED BY: <i>[Signature]</i> DATE: 2/6/80</p>	<p>PIERCE STREET SEWAGE PUMP STATION ENLARGEMENT</p>	<p>INDEXED BLD ACCOUNT NO. 32-577-508 S-1197 SHEET 4 OF 5</p>
<p>MARK: <i>[Signature]</i> DESIGNED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i></p>	<p>REVISIONS: <i>[Signature]</i> APPR. DATE: <i>[Signature]</i></p>	<p>CONCRETE REMOVAL &amp; STRUCTURE DETAILS HORIZ. SCALE: 1" = 2' VERT. SCALE: 1" = 2'</p>	



- NOTES**
1. (GV) = 16" GATE VALVE
  2. (D) = 8" GATE VALVE
  3. D-1 & 2 & GV-1, 2 & 3 SHALL HAVE HORIZONTAL STEMS; ALL OTHERS SHALL BE VERTICAL.
  4. HANGERS AND BRACKETS SHALL BE PROVIDED AS NEEDED.
  5. PIPE, FITTINGS AND VALVES SHALL BE CLASS 125.

NOTES: 1. APPROX. LOCATIONS SHOWN SHIFT IF NECESSARY TO AVOID REBAR.  
2. 1/2" CONDUIT EXCEPT AS SHOWN

**UTILITIES & HARDWARE DETAIL**

**SECTION J-J**

<p><b>CITY OF RIVERSIDE</b> PUBLIC WORKS DEPARTMENT</p>		<p><b>PIERCE STREET</b> SEWAGE PUMP STATION ENLARGEMENT</p>		<p>ACCOUNT NO. 32-577-508</p>
<p>APPROVED BY PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF P.W. ENGINEER</p>	<p>DATE JUL 19/80</p>	<p>APPROVED BY PUBLIC WORKS DIRECTOR</p>	<p>DATE 12/80</p>	<p>SHEET 5 OF 5</p>
<p>DESIGNED BY DRAWN BY CHECKED BY</p>		<p>HORIZ. SCALE: 1" = 2' VERT. SCALE: 1" = 2'</p>		

NOTE: ALL PIPE AND FITTINGS ARE 16" EXCEPT AS NOTED