

VVTA RFP 2023-03
VICTORVILLE TRANSPORTATION CENTER RENOVATION
ADDENDUM NO. 4

Thursday, February 16, 2023

This addendum is provided to all known prospective proposers for clarification of the subject Request for Proposal (RFP).

The following are questions were posed prior to the deadline for questions on 02/10/2023 and the answers from VVTA Staff:

Q1: “Can we submit the bid electronically via public purchase or (does) it has to be submitted physically at 17150 Smoke Tree Street, Hesperia, CA 92345-8305?”

A1: You may upload your proposal to the publicpurchase.com portal, mail the document, or drop off the document to the address above.

Q2: “Please confirm if the Waiting Area mentioned in the SOW refers to the long trellis and gazebo building on the island as opposed to the trellis outside the transit center.”

A2: The waiting area referred to in the SOW refers to the Gazebo and Trellis area located near the bus stop locations on the “Island”, not the trellis outside of the Transportation Center building.

Q3: “Where is the nearest water source to the canopy that requires new misters?”

A3: There is water that services the landscaping sprinklers to the South of the “Island.”

Q4: “What is the size of the existing sewer line that feeds the building?”

A4: According to the City of Victorville, the main line is 8” and a 4” lateral to the building. A drawing is attached referenced as “Exhibit 1.”

Q5: “Will the roof for the waiting area/ canopy be required to use asphalt shingles? Will the roof need to be water tight?”

A5: Because this is a request for proposal, it is up to the proposer to determine what roofing material would best suit need needs of the areas to be covered. It would be nice to be watertight to protect the passengers who are waiting for a bus in the rain, however, that is for the Proposer to decide.

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Q6: "Will new seats/ benches at waiting area/ canopy be wood? Or will cast concrete benches be better for this application?"

A6: VVTA would prefer benches similar to the benches already in place on the waiting area/canopy.

Q7: "How many future bus monitors/ signs will we need to rough in power and cat 5 cabling for?"

A7: 2

Q8: "Does the building have an existing access control system? If so, what is the manufacturer?"

A8: No.

Q9: "Who is the manufacturer of the existing fire alarm system?"

A9: The Fire Alarm system is provided by the City of Victorville. VVTA does not have access to the requested information.

Q10: "Is there any asbestos and/or lead containing material to be concerned with on this project?"

A10: The facility was constructed in 1999, well after the regulations restricting Lead Paint and asbestos. Asbestos or lead paint should not be a concern.

Q11: "Can the "water cooler" be a wall mounted filtered drinking fountain/ bottle filling station?"

A11: VVTA prefers that the water cooler be free standing and not installed nor built into the wall. VVTA requests that there is a direct water connection to the cooler.

Q12: "Clarify if canopy adjacent to building will need to be roofed in?"

A12: The pergola outside of the Transportation Center Building is not to be "roofed in." The only part of the area that will require a roof is the new restrooms being constructed.

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As stated in the RFP, all addenda must be acknowledged. Please use Attachment E of the RFP to acknowledge receipt of this addendum. Failure to acknowledge any addenda to this RFP may be cause to deem Bidder "Non-Responsive."

PIPE MATERIAL SCHEDULE			
SERVICE	UNDERGROUND	ABOVE GROUND	
COLD & HOT WATER	HARD DRAIN COPPER TUBE TYPE "K" OR "L"	HARD DRAIN COPPER TUBE TYPE "L"	
SANITARY WASTE	NO-HUB CAST IRON	NO-HUB CAST IRON	
SANITARY VENT	NO-HUB CAST IRON	6ALV STEEL SCHEDULE 40/ NO-HUB CAST IRON	
STORM DRAIN	NO-HUB CAST IRON	NO-HUB CAST IRON	
6AS		BLACK STEEL SCHEDULE 40	
INDIRECT DRAIN		HARD DRAIN COPPER TUBE TYPE "L"	

PLUMBING FIXTURE SCHEDULE			
SYMBOL	FIXTURE TYPE	PIPE CONNECTION	DESCRIPTION
MC-1	WATER CLOSET (HANDICAPPED)	4" INT 2"	AS FLOOR MOUNTED FLUSH VALVE MAX. 16 GPF
MC-2	WATER CLOSET	4" INT 2"	AS FLOOR MOUNTED FLUSH VALVE MAX. 16 GPF
UH	URINAL (HANDICAPPED)	2" 1/2" 1"	AS WALL MOUNTED FLUSH VALVE MAX. 10 GPF
L-1	LAVATORY (HANDICAPPED)	2" 1/2" 1/2"	WALL MOUNTED AS PROVIDE TRAP PRIMER
FD-1	FLOOR DRAIN	2" 1/2" 1/2"	
SS-1	SERVICE SINK	3" 3" 3/4"	CORNER TYPE FLOOR MOUNTED
DF-1	DRINKING FOUNTAIN (HANDICAPPED)	2" 1/2" 1/2"	COLUMN MOUNTED, HANGS FROM CEILING AND INSTALLED BY PLUMBING CONTRACTOR
WH-1	WATER HEATER	3/4" 3/4"	AMERICAN ELECTRIC 30 GAL. 201 GPM REC. 40°F RISE

PLUMBING GENERAL NOTES

1. THE PLUMBING SYSTEM SHALL COMPLY WITH THE LATEST EDITION OF THE UNIFORM PLUMBING CODE.
2. DRAINING AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF UTILITIES AT POINT OF CONNECTION BEFORE START OF TRENCHING.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES.
5. ALL UNDERGROUND SHUT OFF VALVES OUTSIDE OF BUILDING SHALL BE IN CONCRETE BOXES WITH THE NAME OF THE SERVICE CASTED IN THE COVER.
6. ALL PLUMBING FIXTURES AND EQUIPMENT SHALL HAVE ISOLATING VALVES ON WATER SUPPLY LINES. VALVE SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.
7. ALL PLUGGED TEES AND PLUGGED WYES SHALL BE LINE SIZE, UNLESS NOTED OTHERWISE.
8. ALL PIPING PENETRATING WALL, CEILING, AND FLOOR SHALL BE ISOLATED FROM BUILDING STRUCTURES WITH RESILIENT SEALS.
9. RUN ALL INDOOR PLUMBING PIPING CONCEALED IN WALL OR ABOVE CEILING, UNLESS NOTED OTHERWISE.
10. PROVIDE DIELECTRIC UNIONS AT BIVETALLIC PIPE JOINTS.
11. PROVIDE CARBOE PLATED CAPS FOR WALL CLEANOUTS.
12. WASTE LINE SHALL BE SLOPED NOT LESS THAN 1/4" PER FT. IN THE DIRECTION OF FLOW.
13. ALL VALVES AND COCKS SHALL BE LOCATED TO BE READILY ACCESSIBLE WHERE VALVES ARE INSTALLED WITHIN OR BEHIND WALLS OR CEILING, ACCESS PANEL SHALL BE INSTALLED.
14. HANDICAPPED LAVATORIES.

NON-RESIDENTIAL ENERGY CONSERVATION STANDARDS NOTE:

1. PIPING INSULATION SHALL COMPLY WITH CEC BUILDING ENERGY EFFICIENCY STANDARD.
2. ALL PLUMBING EQUIPMENT SHALL BE CERTIFIED PER CEC BUILDING EFFICIENCY STANDARD.
3. THE "MANDATORY MEASURES" OF THE ENERGY EFFICIENCY STANDARD HAVE BEEN REVIEWED AND THE DESIGN, DRAWINGS AND CALCULATIONS COMPLY WITH THESE STANDARDS.

FIXTURE UNIT SUMMARY

SERVICE	OLD FU	NEW FU	TOTAL FU
DOMESTIC WATER	0	66	66
SANITARY SEWER	0	75	75

SERVICE REQUIREMENTS

SERVICE	SIZE MAIN	CAPACITY
DOMESTIC WATER	(E) 2 INCH	32 GPM
SANITARY SEWER	(E) 4 INCH	75 FU
FUEL GAS	1 INCH	440 CFH
FIRE PROTECTION		GPM

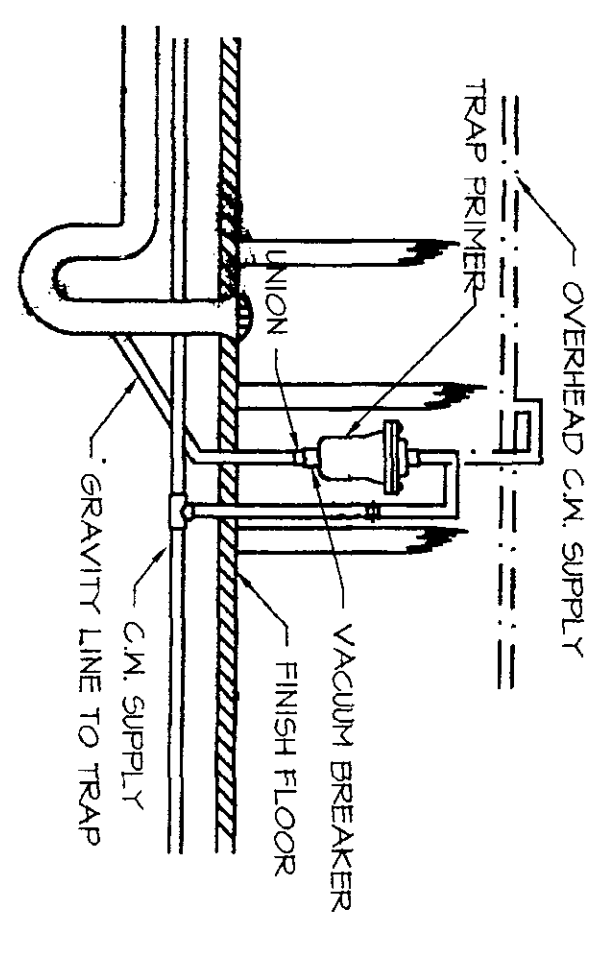
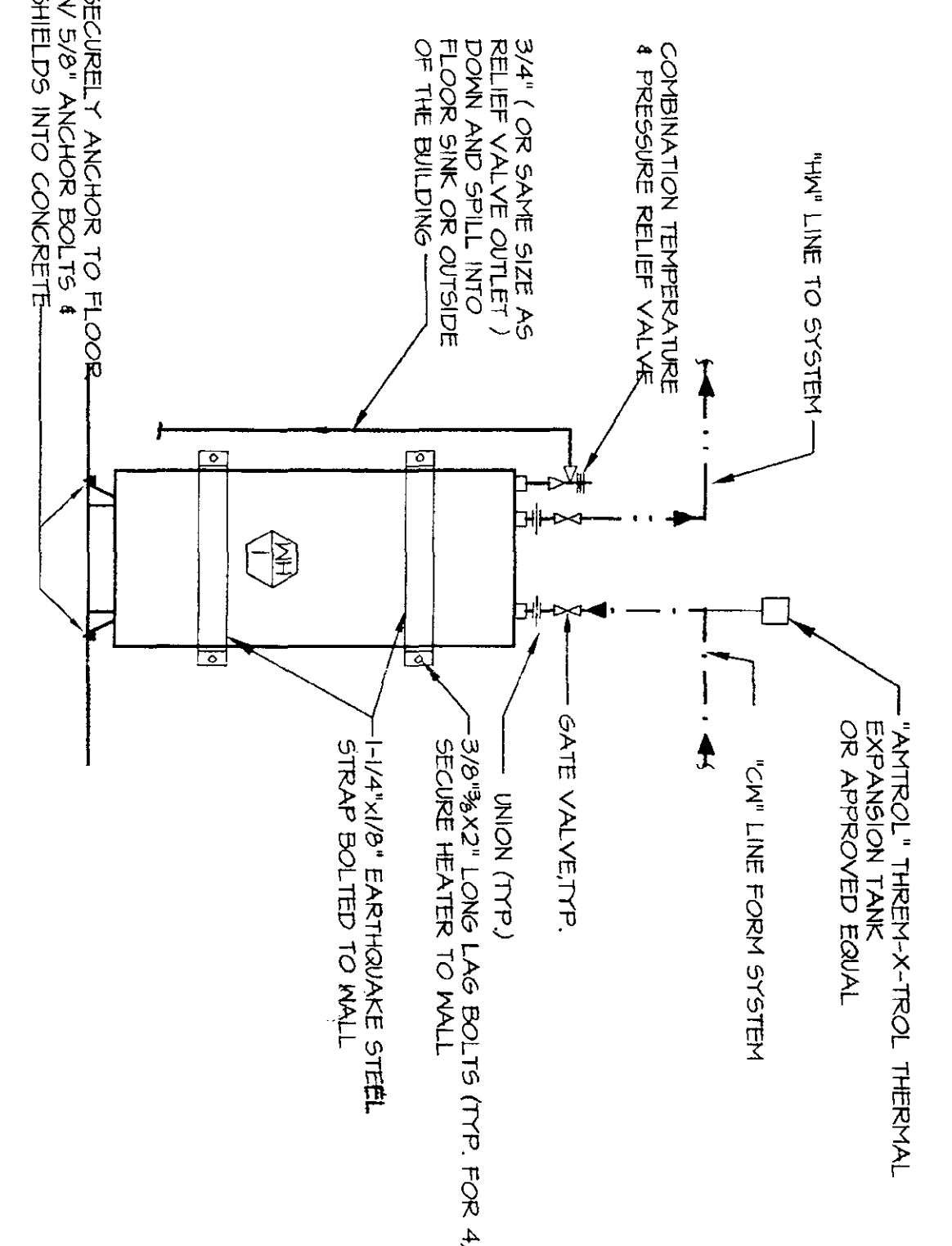
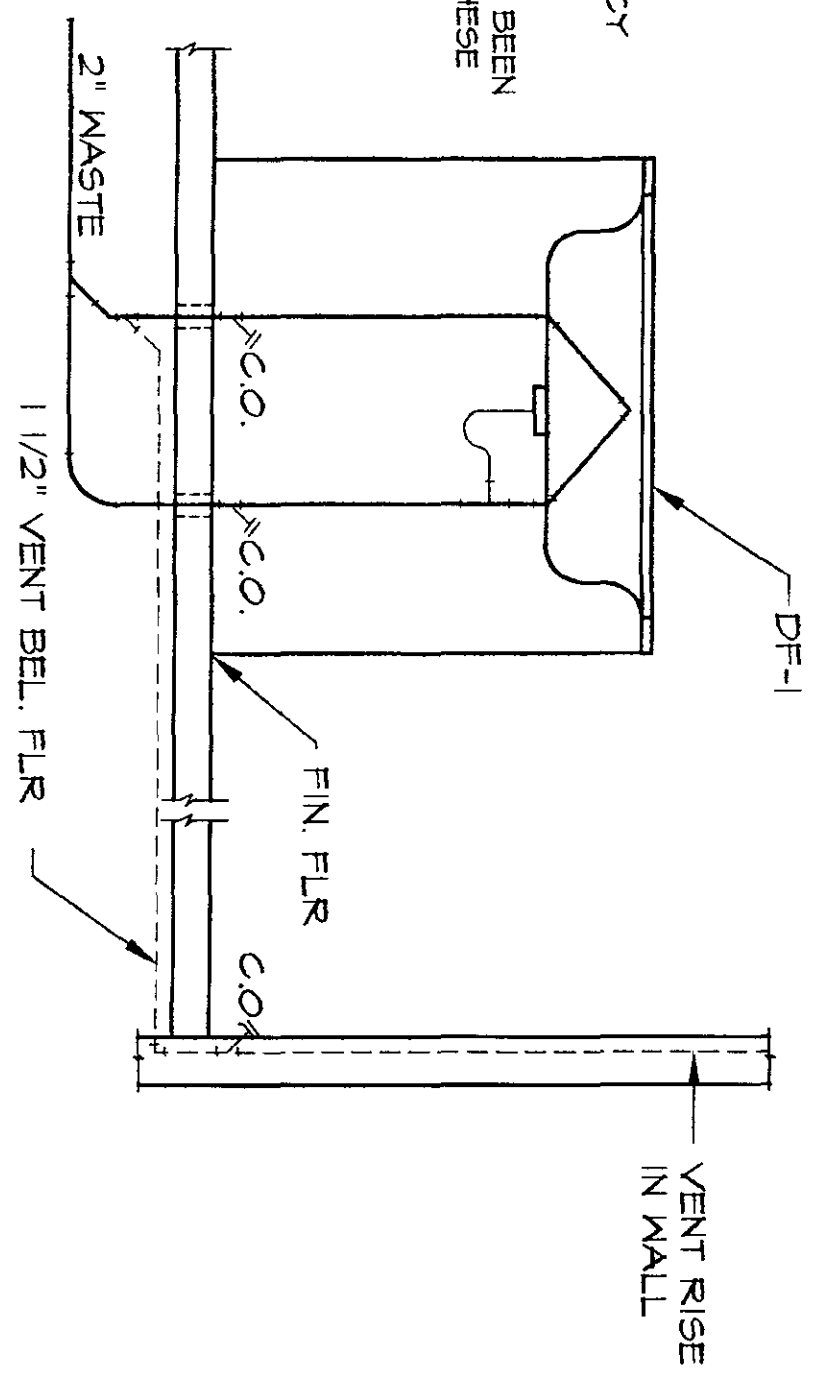
WATER PRESSURE CALCULATION

PRESSURE IN MAIN	HIGH	SI	PSI	LOW	TD	PSI
PRESSURE LOST THRU BACKFLOW PREVENTER					4	PSI
PRESSURE REGULATING VALVE SET @					6	PSI
ELEVATION PRESSURE DROP (2 FT X 0.43)					5.2	PSI
PRESSURE REQUIRED AT MOST REMOTE OUTLET					25	PSI
MAXIMUM ALLOWABLE PIPING LOSS					31.2	PSI
TOTAL DEVELOPED LENGTH 120 FT X 1.2 =					864	FT
MAX. FRICTION LOSS PER 100FT = 31.2 PSI/100 FT					437.5	PSI

WATER PIPE SIZING CHART

PIPE SIZE	VELOCITY GPM / FT/SEC	F - TANK	F - VALVE
1/2"	2.0	1 F.U. @ 4.0 PSI	F.U. @ PSI
3/4"	2.5	2 F.U. @ 4.0 PSI	F.U. @ PSI
1"	3.5	6 F.U. @ 4.2 PSI	F.U. @ PSI
1 1/4"	4.2	14 F.U. @ 4.2 PSI	F.U. @ PSI
1 1/2"	4.8	21 F.U. @ 4.8 PSI	F.U. @ PSI
1 3/4"	5.4	54 F.U. @ 5.4 PSI	F.U. @ PSI
2"	6.2	135 F.U. @ 6.2 PSI	52 F.U. @ PSI
2 1/2"	7.4	431 F.U. @ 7.4 PSI	245 F.U. @ PSI
3"		F.U. @ PSI	F.U. @ PSI

** BACKFLOW PREVENTER MODEL: TEDCO® 825 SIZE 2" - PRESSURE REGULATING VALVE MODEL: WA SIZE 2" -



PLUMBING LEGEND

SYMBOL	ABBREV.	DEFINITION
5 OR M	SANITARY	SANITARY SEWER OR WASTE BELOW GRADE/OR FLOOR)
V	SANITARY VENT	SANITARY VENT
CM	DOMESTIC COLD WATER	DOMESTIC COLD WATER
HM	DOMESTIC HOT WATER	DOMESTIC HOT WATER
ECM	EXISTING COLD WATER	EXISTING COLD WATER
ES	EXISTING SEWER	EXISTING SEWER
Eg	EXISTING GAS	EXISTING GAS
G	NATURAL GAS	NATURAL GAS
CD	CONDENSATE DRAIN	CONDENSATE DRAIN
TP	TRAP PRIMER	TRAP PRIMER
FS	FIRE SPRINKLER RISER	FIRE SPRINKLER RISER
*****		LINE TO BE REMOVED
CL	CAPPED LINE	CAPPED LINE
FCO	FLOOR CLEAN OUT OR CLEAN OUT TO FINISH GRADE	DIRECTION OF FLOW
WCA	WALL CLEANOUT	WALL CLEANOUT
MHA	WATER HAMMER ARRESTOR	WATER HAMMER ARRESTOR
GYOR	GATE VALVE OR SHUTOFF VALVE	GATE VALVE OR SHUTOFF VALVE
GLV	GLOBE VALVE	GLOBE VALVE
STP	STRAINER	STRAINER
U	UNION	UNION
G	GAS OR GATE COCK	GAS OR GATE COCK
TB	THRUST BLOCK	THRUST BLOCK
POC	POINT OF CONNECTION	POINT OF CONNECTION
MC-1	FD	PLUMBING FIXTURE DESIGNATION
FD	FLOOR DRAIN	FLOOR DRAIN
F5	FLOOR SINK	FLOOR SINK
(E)	EXISTING	EXISTING
(N)	NEW	NEW
ABV	ABOVE	ABOVE
AP	ACCESS PANEL	ACCESS PANEL
BEL	BELOW	BELOW
GR	GRADE	GRADE
CLG	CEILING	CEILING
CONT.	CONTINUATION	CONTINUATION
CONN.	CONNECTION	CONNECTION
DNI	DOWN	DOWN
GPM	GALLONS PER MINUTE	GALLONS PER MINUTE
PLBG	PLUMBING	PLUMBING
TEMP.	TEMPERATURE	TEMPERATURE
TRP	TYPICAL	TYPICAL
VTR	VENT THROUGH ROOF	VENT THROUGH ROOF
W	WITH	WITH
YB	YARD BOX	YARD BOX
TB	THRUST BLOCK	THRUST BLOCK

REGISTERED PROFESSIONAL ENGINEER
PLUMBING
No. 11 2824
CITY OF VICTORVILLE
P-1

CITY OF VICTORVILLE
PARKS AND RECREATION DEPARTMENT
14343 CIVIC DRIVE, VICTORVILLE, CALIFORNIA
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HYC CONSULTING ENGINEERS, INC.
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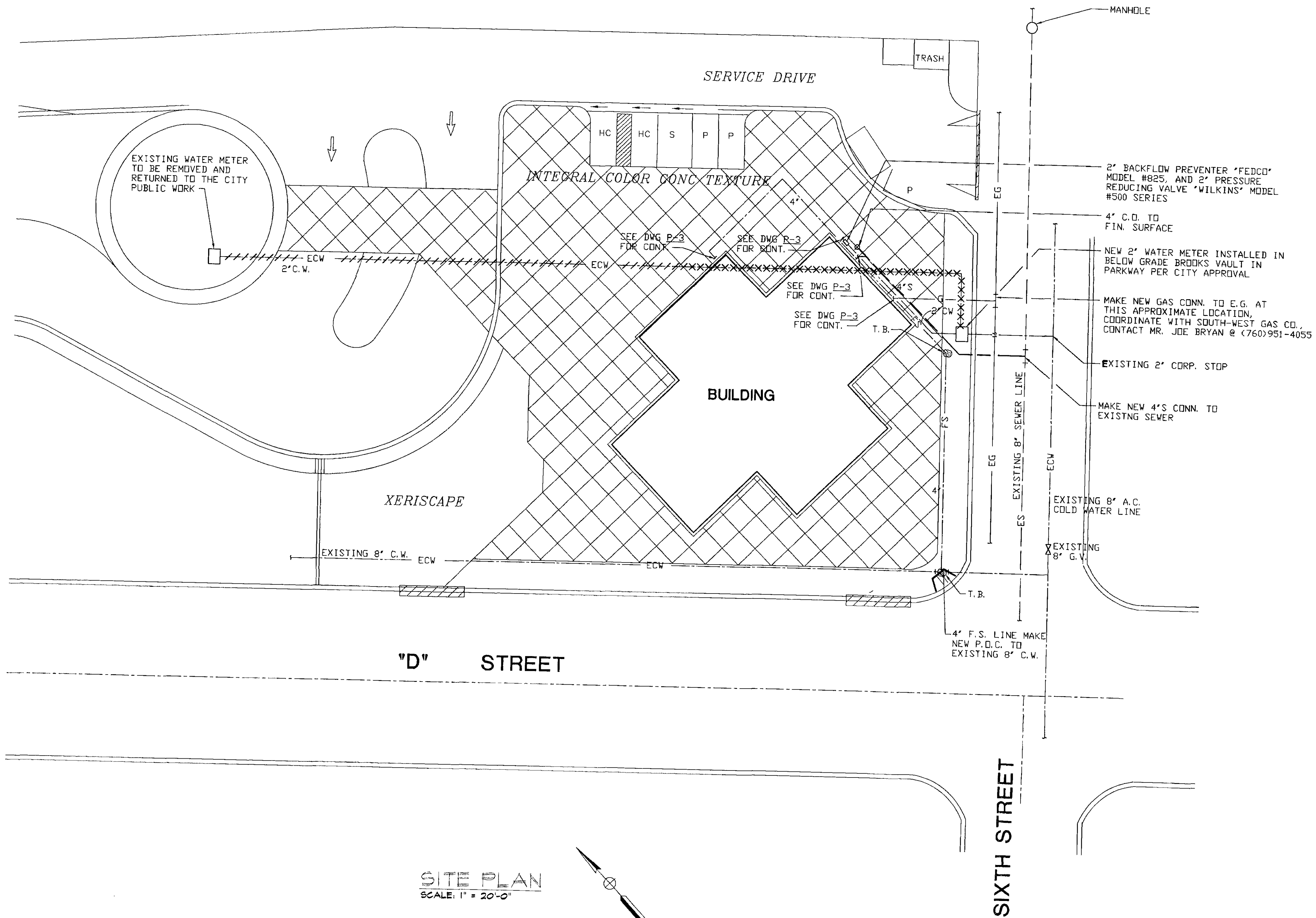
PLUMBING LEGEND, NOTE, & SCHEDULE
MULTI-MODAL TRANSPORTATION SERVICE CENTER FACILITY

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SCALE: AS SHOWN
DESIGNED BY: H.C.
DRAWN BY:
CHECKED BY:
APPROVED BY:

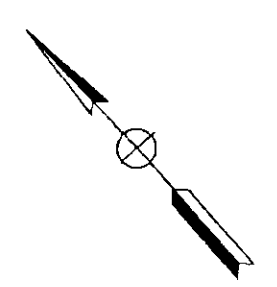
APPROVAL DATE INITIAL SHEET
28 OF 43

APR 13 1993

4/26/99



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



APPROVED: [Signature] 4/26/99

APR 13 1999

PROFESSIONAL ENGINEER
No. M 24241
Exp. 09-30-98
P-2

CITY OF VICTORVILLE PARKS AND RECREATION DEPARTMENT 14343 CIVIC DRIVE, VICTORVILLE, CALIFORNIA 92392-2399	FPL and Associates, Inc. 10 Corporate Park, Suite 310 Victorville, CA 92403 Phone: (951) 252-1688 HYC CONSULTING ENGINEERS, INC. 8450 Garvey Ave., #230 Rosemead, CA 91770 Tel: (618) 571-6577 Fax: (618) 571-6592	PLUMBING SITE PLAN MULTI-MODAL TRANSPORTATION SERVICE CENTER FACILITY	DATE: 08/27/97 SCALE: AS SHOWN DESIGN BY: H.C. DRAWN BY: CHK'D BY: APP'D BY:	INITIAL SHEET 29 DF 43
	PREPARED BY: [Signature] APR 13 1999	REVIEWED BY: [Signature] APR 13 1999	APPROVAL: [Signature]	DATE: 08/27/97 SCALE: AS SHOWN DESIGN BY: H.C. DRAWN BY: CHK'D BY: APP'D BY:

DATE	APPROVAL	DATE	INITIAL
08/27/47	AS SHOWN		

DATE: 08/27/47
 SCALE: AS SHOWN
 DESIGN BY: H.C.
 DRAWN BY:
 CHECK BY:
 APP'D BY:

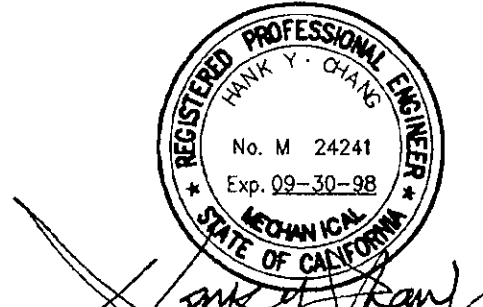
PLUMBING FLOOR PLAN
 MULTI-MODAL TRANSPORTATION SERVICE CENTER FACILITY

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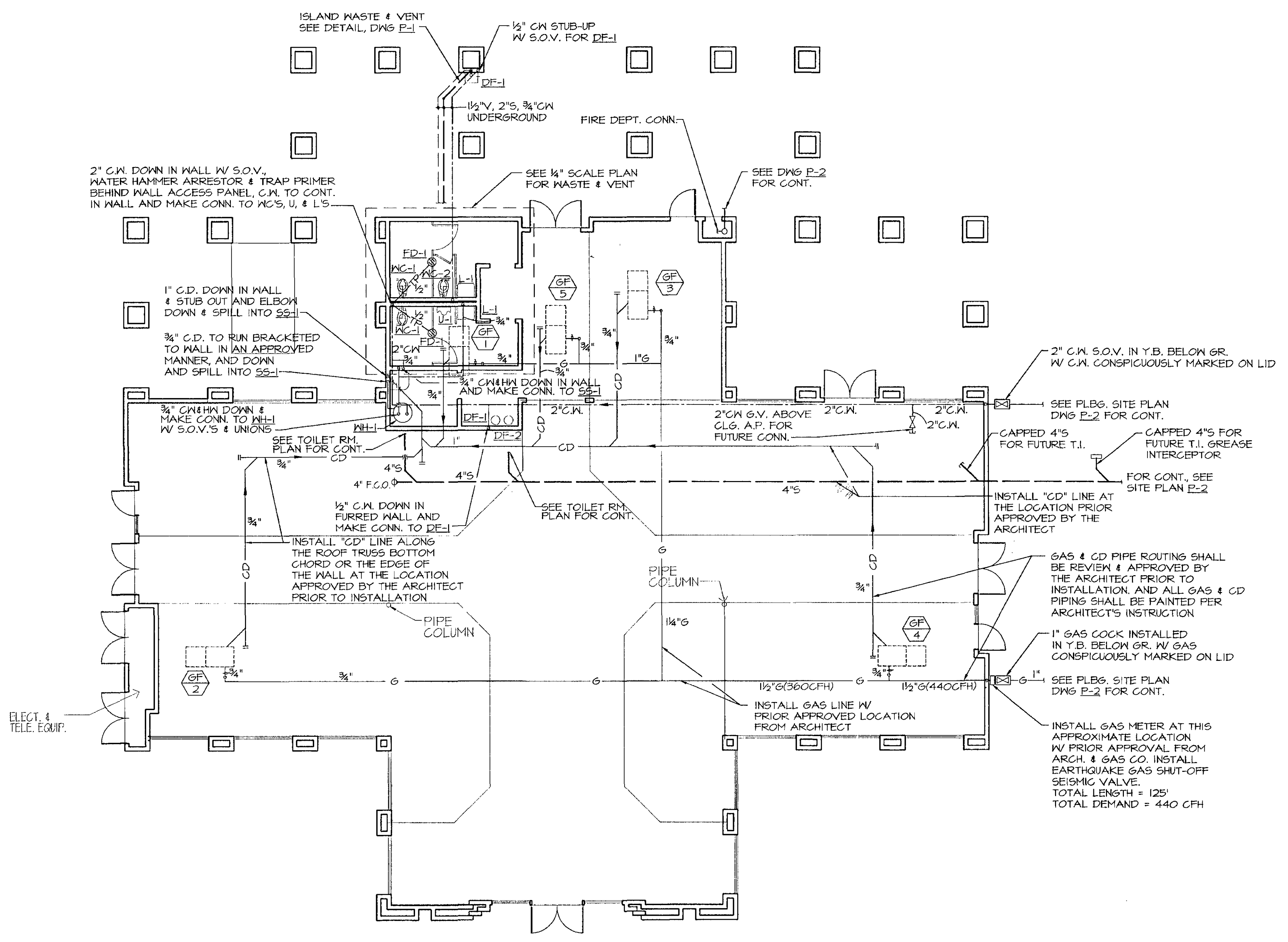
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 14543 CIVIC DRIVE, (614) 455-5265
 VICTORVILLE, CALIFORNIA 92394-2-2344

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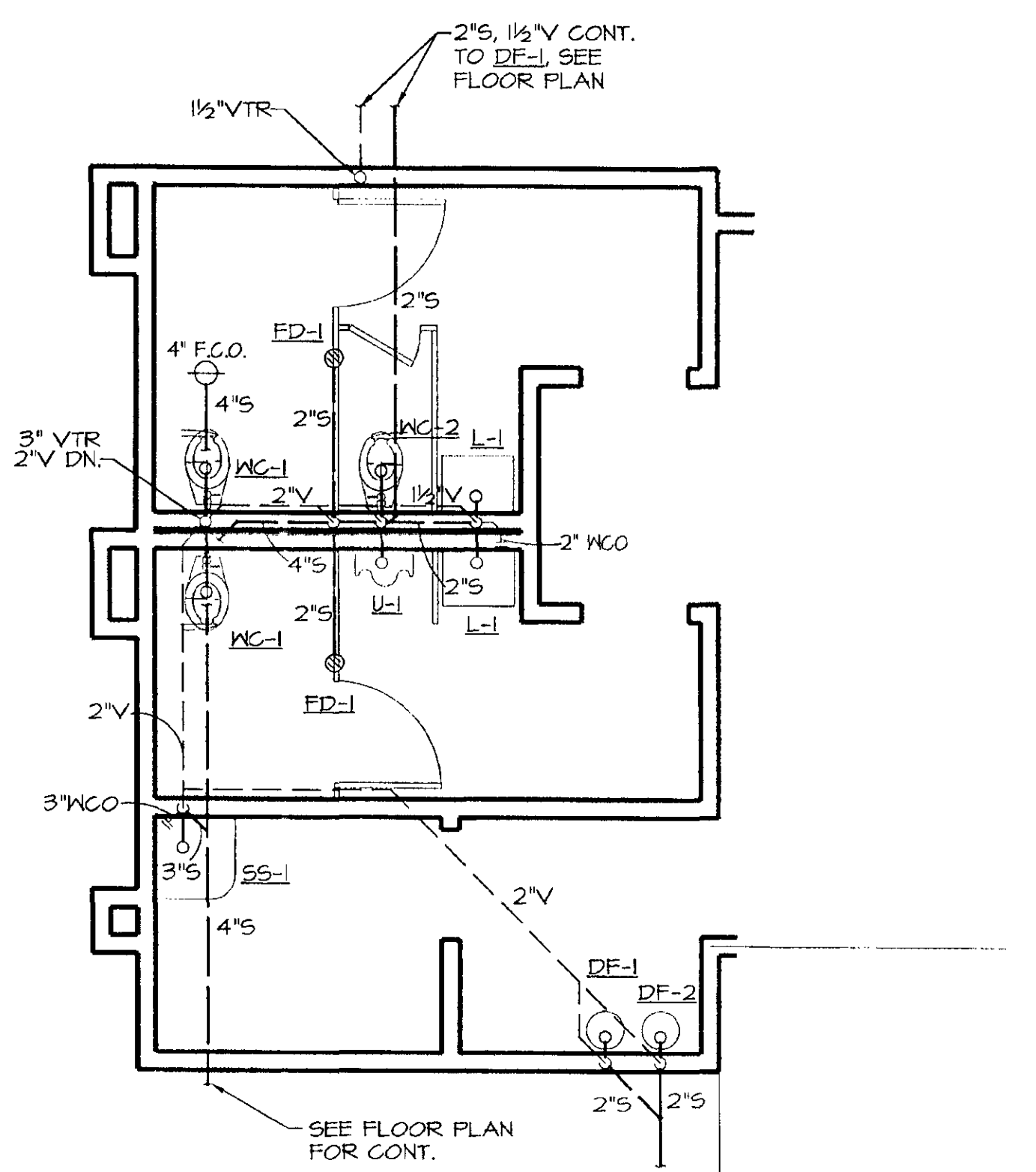
JUN 8 1999
 DD 4/26/99



P-3



PLUMBING FLOOR PLAN
 SCALE: 1/8" = 1'-0"



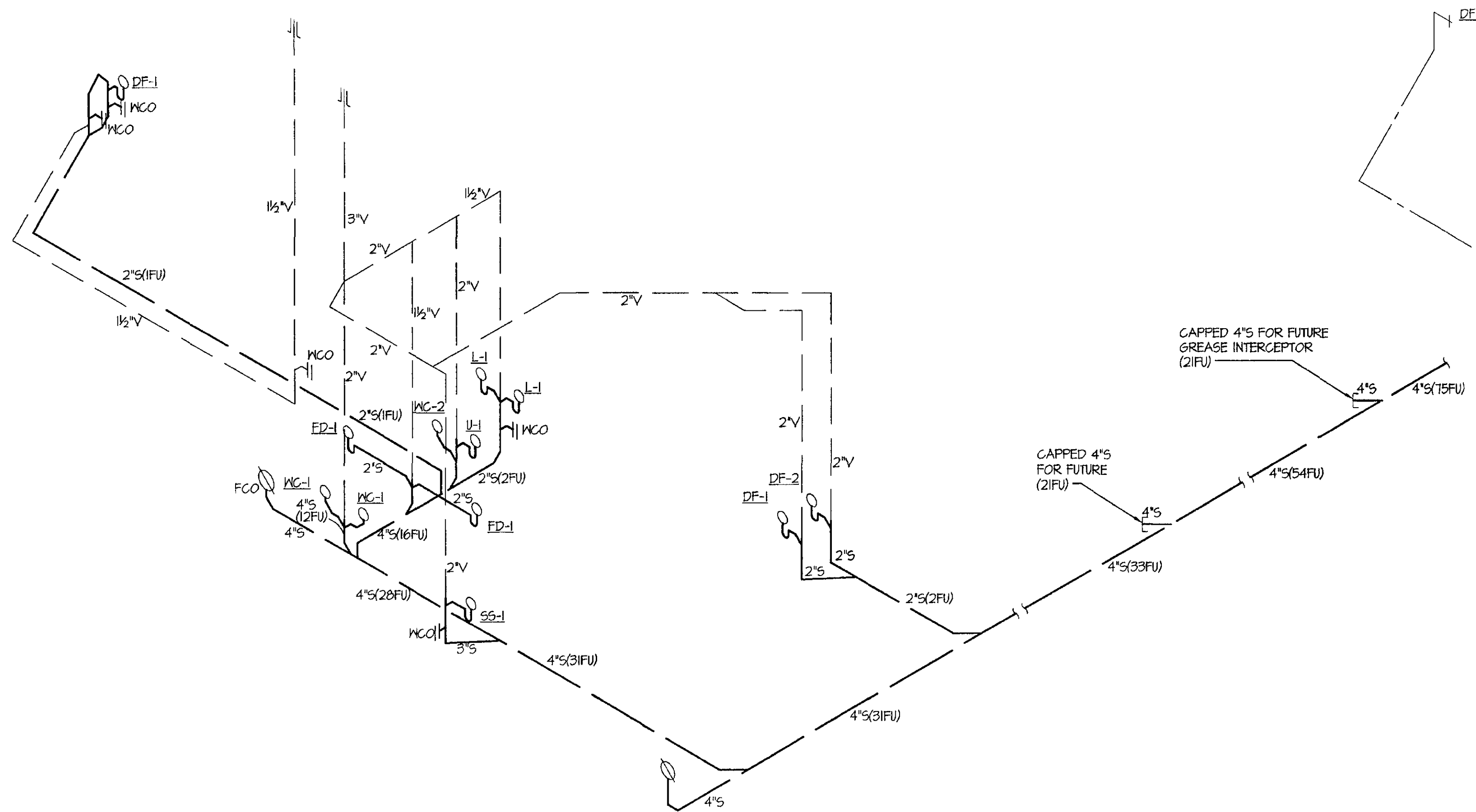
TOILET ROOM WASTE & VENT PLAN
 SCALE: 1/4" = 1'-0"

GAS & CD PIPE ROUTING SHALL BE REVIEW & APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION. AND ALL GAS & CD PIPING SHALL BE PAINTED PER ARCHITECT'S INSTRUCTION

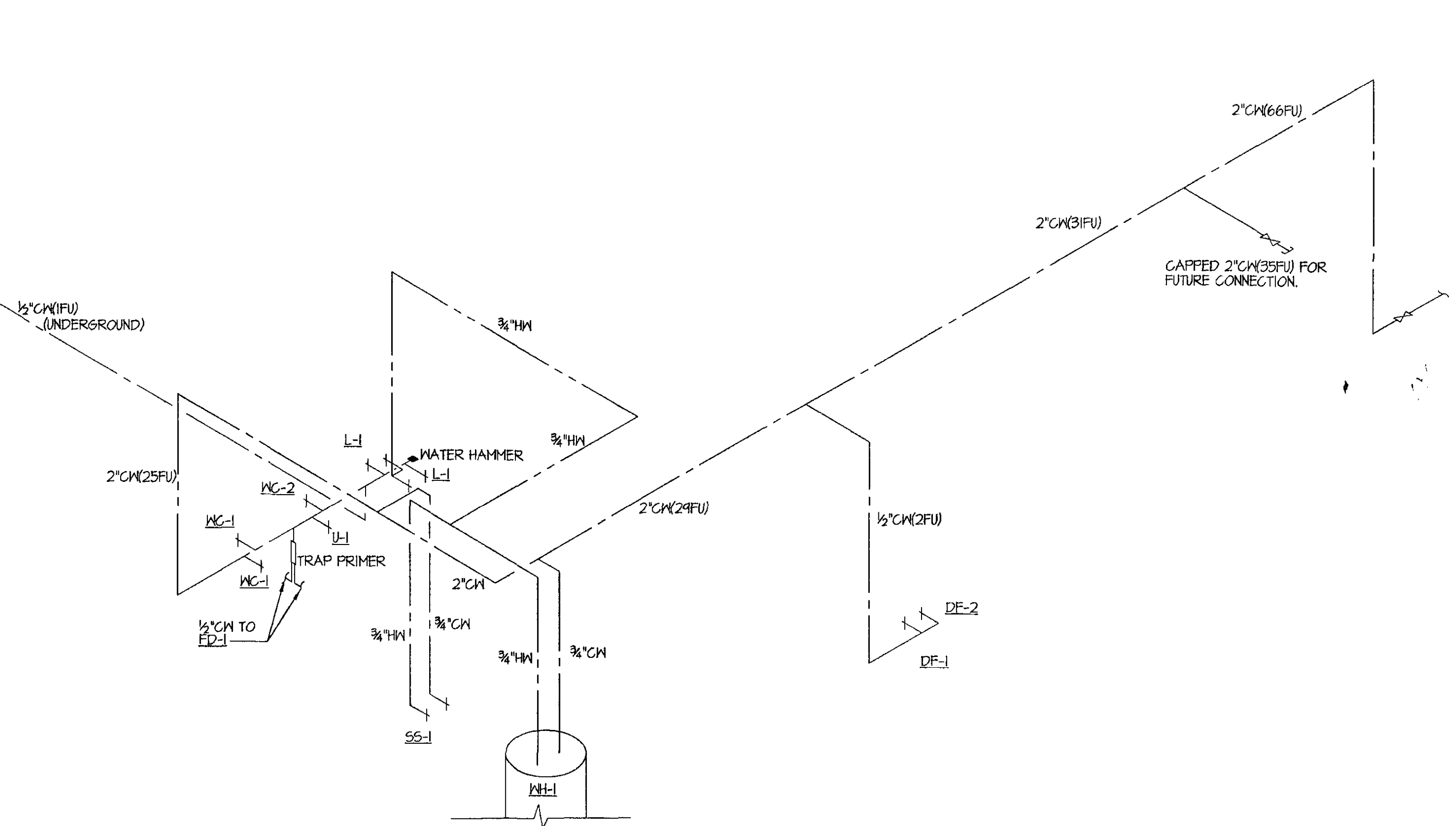
1" GAS COCK INSTALLED IN 'Y.B. BELOW GR. W/ GAS CONSPICUOUSLY MARKED ON LID

SEE PLBG. SITE PLAN DWG P-2 FOR CONT.

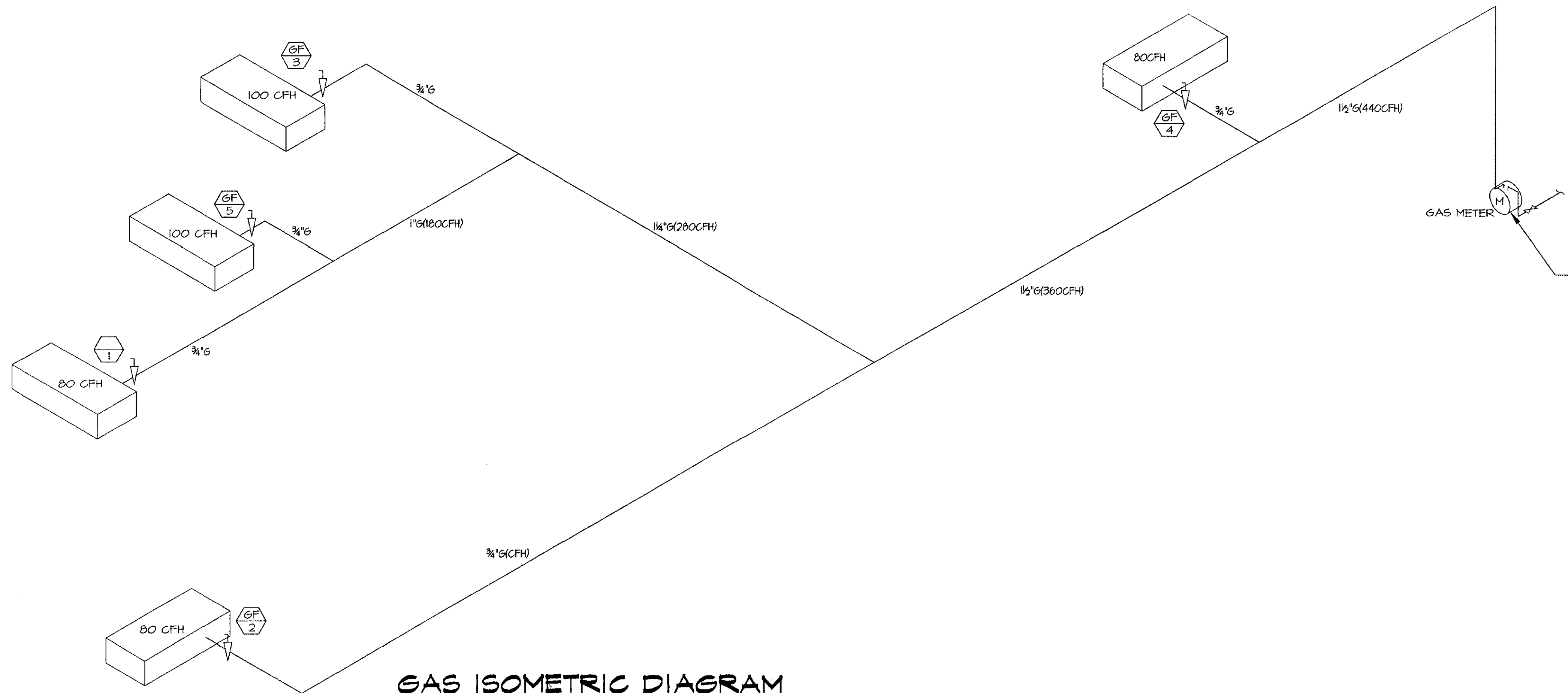
INSTALL GAS METER AT THIS APPROXIMATE LOCATION W/ PRIOR APPROVAL FROM ARCH. & GAS CO. INSTALL EARTHQUAKE GAS SHUT-OFF SEISMIC VALVE. TOTAL LENGTH = 125' TOTAL DEMAND = 440 CFH



WASTE & VENT ISOMETRIC DIAGRAM
N.T.S.



COLD & HOT WATER ISOMETRIC DIAGRAM
N.T.S.



GAS ISOMETRIC DIAGRAM
N.T.S.

FIXTURE UNIT SCHEDULE					
FIXTURE	QTY	WATER FU		SEWER FU	
		EACH	TOTAL	EACH	TOTAL
MC-1,2	3	5	15	6	18
UR-1	1	5	5	3	3
L-1	2	2	4	1	2
SS-1	1	4	4	3	3
FD-1	2	—	—	2	4
DF-1,2	3	1	3	1	3
FUTURE			35		42
TOTAL			66		75

DATE: 08/27/07
 SCALE: AS SHOWN
 DESIGN BY: H.C.
 DRAWN BY:
 CHECKED BY:
 APPROV. BY:

PLUMBING RISER PLAN
 MULTI-MODAL TRANSPORTATION SERVICE CENTER FACILITY

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 No. M 24241
 Exp. 02-30-98
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 STATE OF CALIFORNIA
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