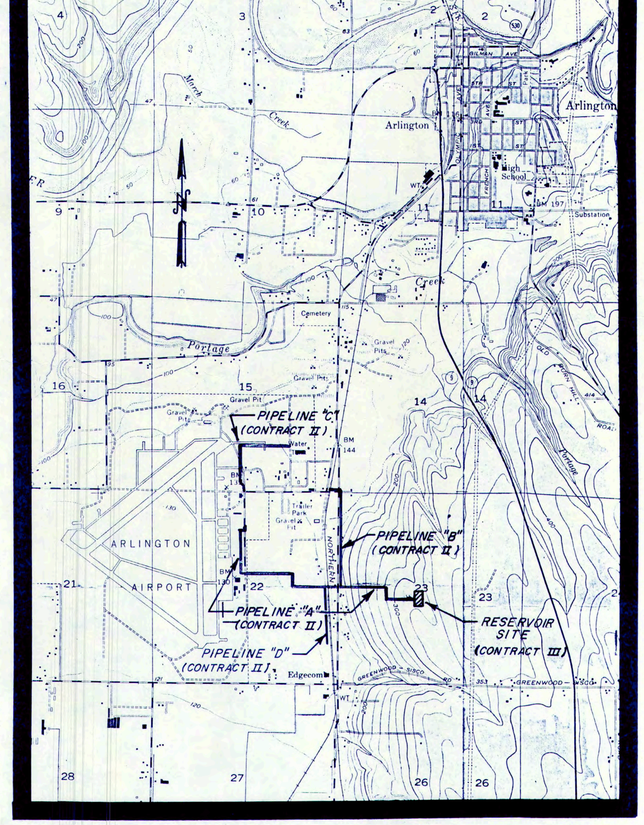
CITY OF ARLINGTON, WASHINGTON

WATER SYSTEM IMPROVEMENTS PIPELINES AND RESERVOIR

AUGUST 1975



VICINITY MAP

SCALE: 1"=2,000'

INDEX

CONTRACT NO.	SHEET NO.	SHEET TITLE
II	1	PIPELINE PLAN ("A", "B" & "C")
	2	PIPELINE SCHEMATIC DIAGRAM ("A","B" & "C")
	2A	PIPELINE PLAN & SCHEMATIC DIAGRAM ("D")
	3	PIPELINE DETAILS
III	4	RESERVOIR SITE PLAN
	5	RESERVOIR FOUNDATION & ROOF FRAMING PLAN
	6	RESERVOIR WALL SECTIONS
	7	RESERVOIR ELEVATION & FRAMING DETAILS
	8	RESERVOIR VALVE BUILDING
	9	RESERVOIR PIPING DETAILS

RECORD DRAWING
MAY 28, 1976

EDA 07-01-01587
DSHS 277,312,018

LEE JOHNSON & ASSOC., INC.
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23 103RD AVE. N.E. BELLEVUE, WA. 455-3220
1712 PACIFIC AVE. EVERETT, WA. 259-6071

job no. CI. 73-172 WR
design
drawn CML
app'vd
date 7-25-75

revisions
no. date item

WS Imp 1975

sheet COVER of
CI. 73-172 WR

PLAN
SCALE: 1" = 200'

LEGEND
- 8"W — EXISTING 8"ϕ WATER PIPELINE
- 12"W — INSTALL 12"ϕ WATER PIPELINE
- GV — INSTALL GATE VALVE, BOX & MARKER POST
- FH — INSTALL FIRE HYDRANT
- BV — INSTALL BUTTERFLY VALVE, BOX & MARKER POST

RESERVOIR
RESERVOIR SITE (CONTRACT III)
NOTE: RESERVOIR CONTRACTOR SHALL MAKE CONNECTION TO CONTRACT II PIPELINE
GRAVEL
PRIVATE ROAD
STA. A0+00 = EAST R/W LINE OF PRIVATE ROAD
20' EASEMENT
PIPELINE "A"
MATCH LINE
STA. A6+30 (MATCH LINE)

MATCH LINE
(PRIVATE ROAD)
STA. A6+30 (MATCH LINE)
STA. A10+90
STA. A7+40
NOTE: CITY WATER DEPT. TO INSTALL TWO ADDITIONAL 14"x6" TEES (NOT SHOWN) BETWEEN STA A 10+90 AND STA. A 24+00 AS DIRECTED BY THE ENGINEER. (NOT INSTALLED TO DATE)
20' EASEMENT
PIPELINE "A"
NOTE: COUNTY ROAD PAV'T. IS A.C. OVER CONCRETE

188TH ST. N.E. (COUNTY ROAD)
SEC. COR. 14 23
STA B19+75± 2" BLOW-OFF (REFER TO DETAILS, SHEETS # 2 & 3)
PIPELINE "B" INSTALL ~~CAST IRON OR~~ DUCTILE IRON PIPE.
STA. A24+00 = STA. B0+00
A.C. PAV'T. (COUNTY ROAD)
℄ COR.
PIPELINE "D" SEE SHEET 2A
67TH AVE. N.E.
A.C. PAV'T.
STA B26+66
(KELLOG - MARSH ROAD)
PIPELINE "B"
22 15
STA. B29+56 = ℄ RR X-ING #2 (REFER TO DETAILS, SHEETS # 2 & 3)
STA. B30+39
BURLINGTON NORTHERN RAILWAY (100' R/W)
8"W (SOUTH)
STA. A26+94 ℄ RR X-ING # 1 (REFER TO DETAILS) SHEETS #2 & 3)
PIPELINE "A" INSTALL ~~CAST IRON OR~~ DUCTILE IRON PIPE, ~~EXCEPT FOR PORTION EXTENDING WEST OF 8.11 R.T. R/W ASBESTOS CEMENT PIPE MAY BE SUBSTITUTED PER APPROVED BID PRICE SCHEDULE~~
20' EASEMENT
STA. A32+94± 12"W (NORTH)
JOINS SHEET 2A

COUNTY ROAD
STA. A43+28
PIPELINE "A"
STA. A36+71
20' EASEMENT

RECORD DRAWING
BASED ON MARKED-UP PRINTS DRAWINGS AND OTHER DATA FURNISHED BY CONTRACTOR.
DATE: MAY 28, 1976

NOTES:
1. REFER TO SHEET # 2 FOR SCHEMATIC DIAGRAM OF PIPELINES.
2. STATIONING SHOWN IS APPROXIMATE
3. CONTRACTOR SHALL VERIFY LOCATION OF ALL GAS, TELEPHONE AND OTHER UTILITIES.
4. CONTRACTOR SHALL PROVIDE ALL PIPE & FITTINGS NECESSARY FOR CLOSURES AND TIES TO EXISTING LINES, AND AVOIDING EXISTING UTILITIES.
5. CONTRACTOR SHALL VERIFY TYPE OF EXISTING PIPE & DIAMETER BEFORE MAKING CONNECTIONS.
6. CONNECTIONS TO EXISTING PIPELINES SHALL BE MADE DURING OFF-PEAK HOURS AS DIRECTED BY THE ENGINEER.

61ST AVE. N.E.
192ND ST. N.E.
STA. C0+00
A.C. PAV'T.
63RD AVE. N.E. (HEXCEL ROAD)
PIPELINE "C" & "C1" INSTALL ~~CAST IRON OR~~ DUCTILE IRON PIPE. ~~ASBESTOS CEMENT PIPE MAY BE SUBSTITUTED PER APPROVED BID PRICE SCHEDULE~~
STA. C7+00±
PIPELINE "C"
STA. C13+02 = STA. C1+00
PIPELINE "C1"
GRAVEL ROAD
STA. C1 2+54
STA. C1 4+39
STA. C26+07
ARLINGTON AND MUNICIPAL INDUSTRIAL AIRPORT TRACTS
STA. A70+31
STA. A69+94
STA. A69+34
PIPELINE "A"
STA. A60+55±
STA. A57+25
59TH AVE. N.E.
ROYAL SALES
AIRPORT WELL & PRESS. TANK
PIONEER LAMINATES
BAYLINER
SOUTHERN FLYING SERVICE
AIRPORT APRON
CEN. SEC. 15-31-5
CEN. SEC. 22-31-5

EDA 07-01-01587
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job no. CI 73-172 W
design TS
drawn CML
app'v'd
date 7-21-75

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no.	date	item

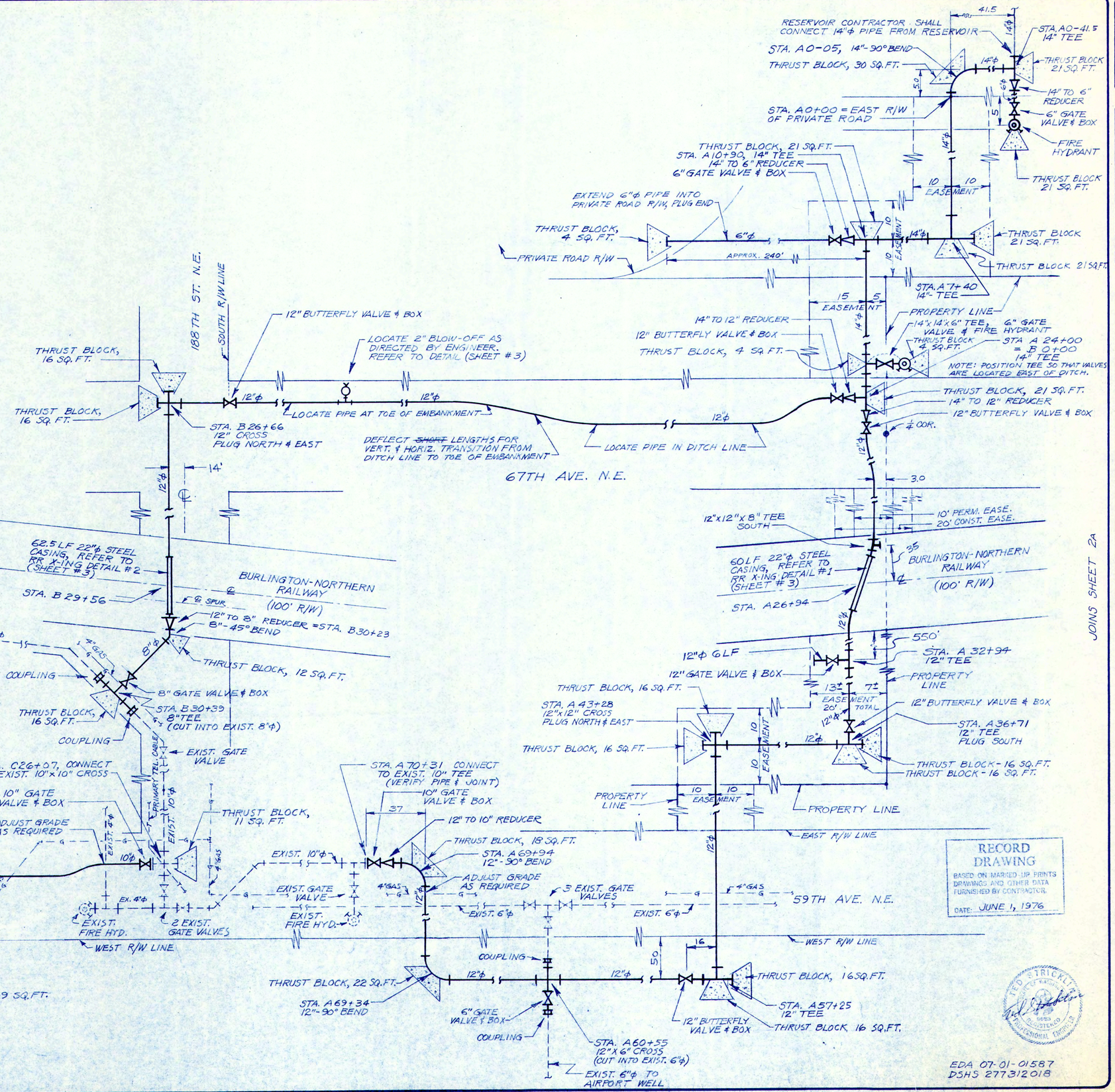
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CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENTS
CONTRACT II - PIPELINES
PLAN

sheet 1 of 9
CI 73-172 W

PIPELINE SCHEMATIC DIAGRAM

NOT TO SCALE



JOINS SHEET 2A

RECORD DRAWING

BASED ON MARKED-UP PRINTS DRAWINGS AND OTHER DATA FURNISHED BY CONTRACTOR.

DATE: JUNE 1, 1976

EDA 07-01-01587
DSHS 277312018

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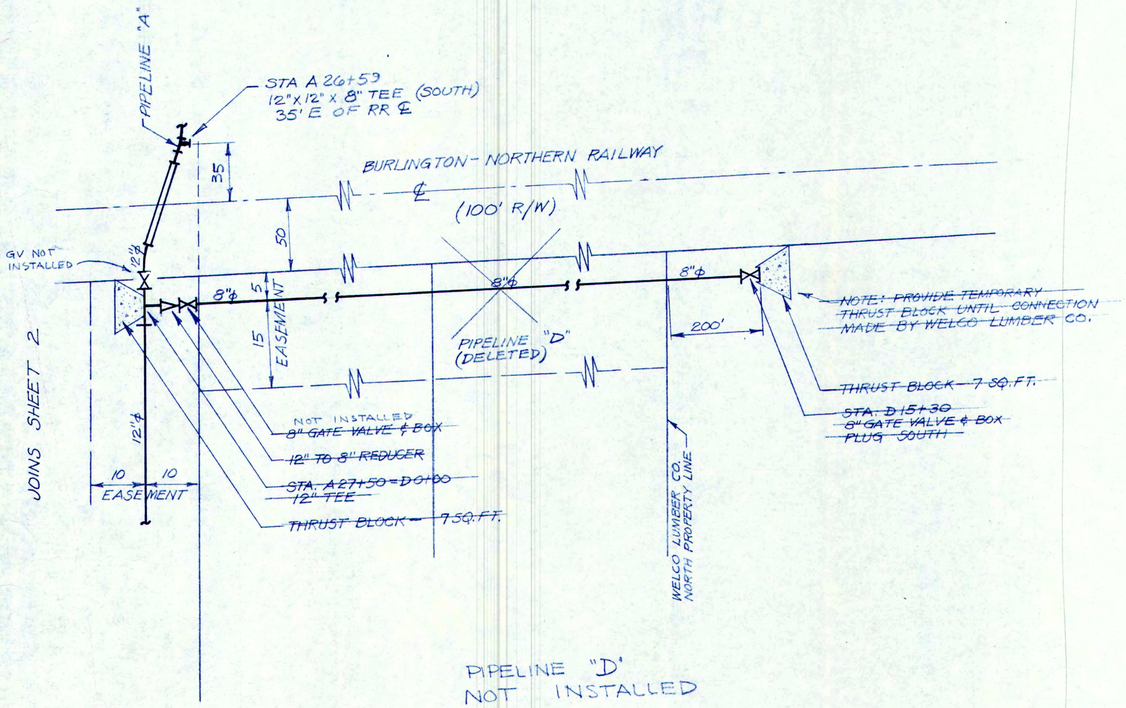
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drawn	CML
app'v'd	
date	7-21-75

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CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENTS
CONTRACT II - PIPELINES
SCHEMATIC DIAGRAM

PIPELINE SCHEMATIC DIAGRAM

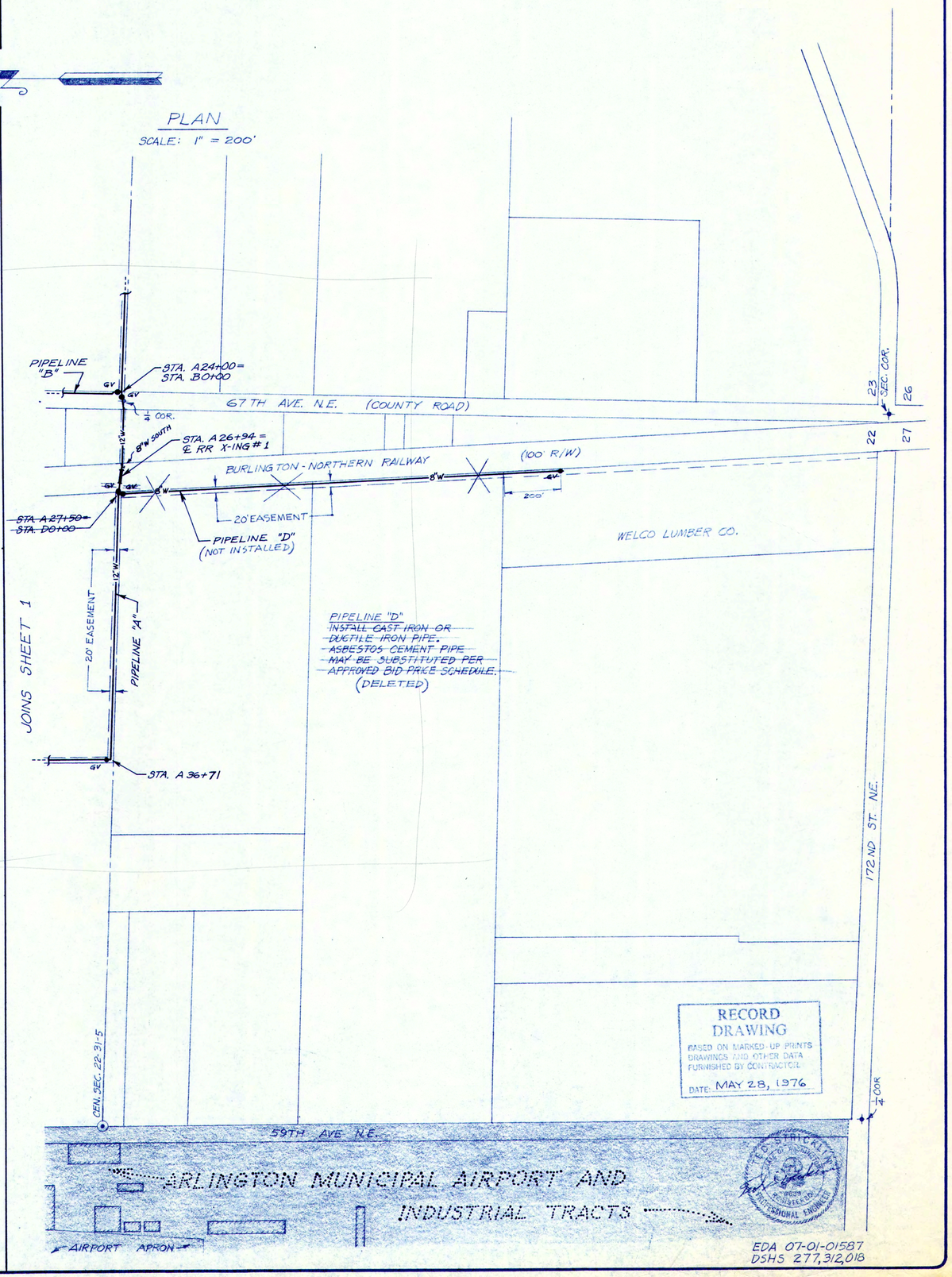
NOT TO SCALE



PIPELINE "D"
NOT INSTALLED

PLAN

SCALE: 1" = 200'



RECORD DRAWING
BASED ON MARKED-UP PRINTS DRAWINGS AND OTHER DATA FURNISHED BY CONTRACTOR.
DATE: MAY 28, 1976

EDA 07-01-01587
DSHS 277,312,018

job no. CI 75-158 (CI 73-172 W)
design TS
drawn CML
app'd
date 8-29-75

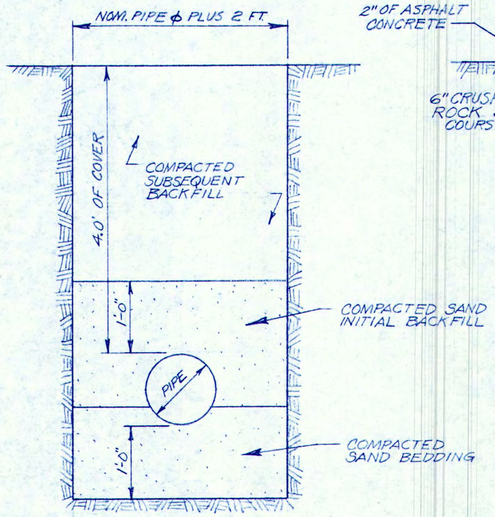
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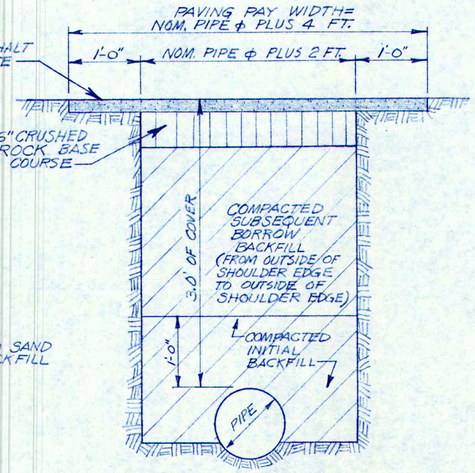
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CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENTS
CONTRACT II - PIPELINES
PLAN AND SCHEMATIC DIAGRAM

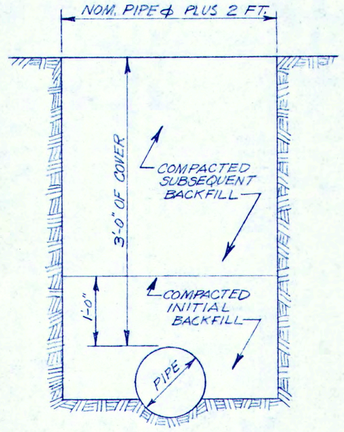
sheet 2A of
CI. 73-172 W



3. BEDDING DETAIL FOR ASBESTOS CEMENT PIPE



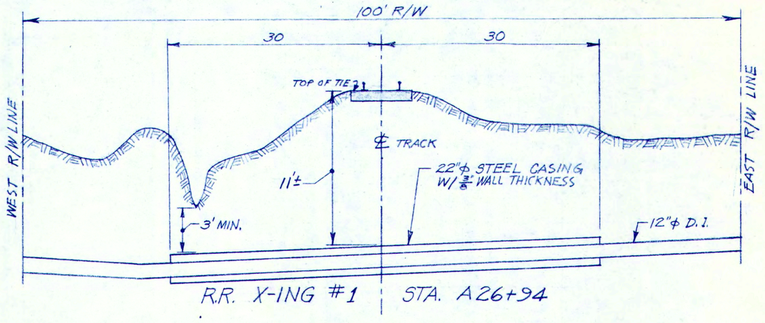
2. ROAD PAVEMENT CROSSING DETAIL



1. STANDARD TRENCH DETAIL

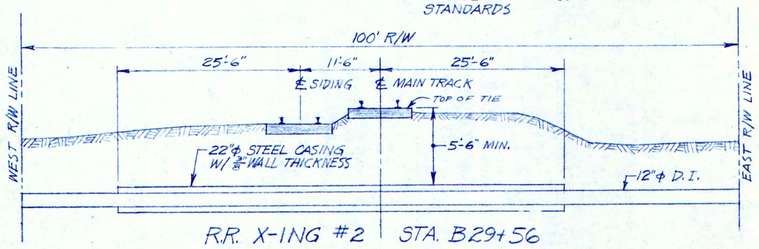
TYPICAL TRENCH SECTIONS

NOT TO SCALE



R.R. X-ING #1 STA. A26+94

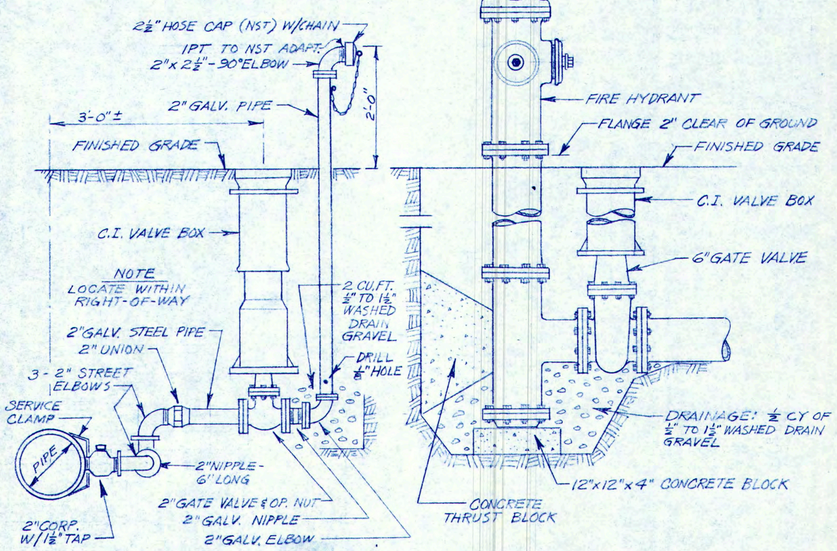
SPECIFICATIONS WITHIN RR R/W's
1. CASINGS: STEEL, 35,000 PSI. MIN. YIELD STRENGTH (A.R.E.A. STNDS.)
2. CARRIER PIPE: DUCTILE IRON ASA A21.11, WALL CLASS 2, 0.37 IN.
3. INSTALLATION TO CONFORM TO A.R.E.A. STANDARDS



R.R. X-ING #2 STA. B29+56

RAILROAD CROSSING DETAILS

PROFILE: HORIZ. SCALE: 1"=10' VERT. SCALE: 1"=5'

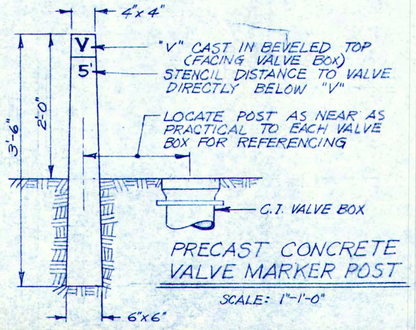


TYPICAL BLOW-OFF DETAIL

SCALE: 1"=1'-0"

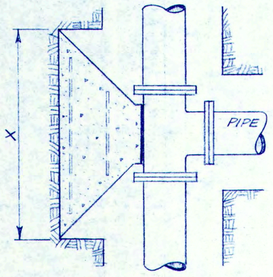
FIRE HYDRANT DETAIL

SCALE: 1" = 1'-0"

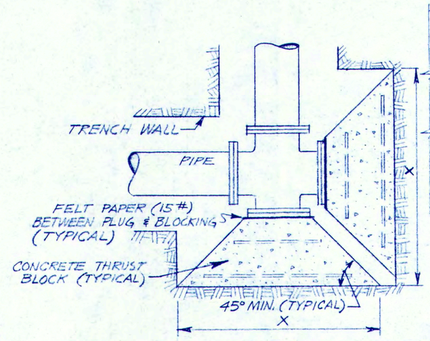


PRECAST CONCRETE VALVE MARKER POST

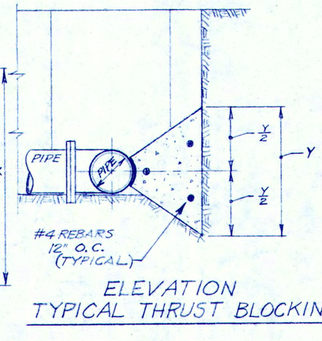
SCALE: 1"=1'-0"



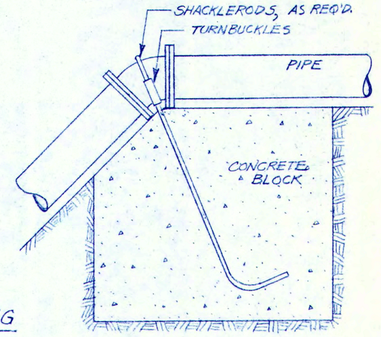
PLAN - THRUST BLOCKING AT TEE



PLAN - THRUST BLOCKING AT PLUGGED CROSS

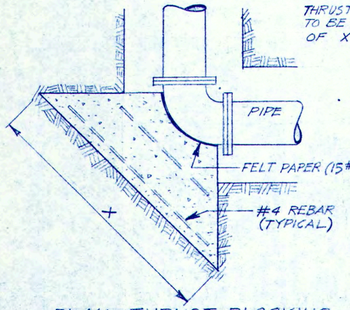


ELEVATION TYPICAL THRUST BLOCKING

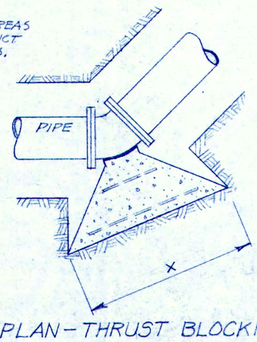


DEAD WEIGHT THRUST BLOCK DETAIL

TO BE USED ON PIPELINE "B" AT TOP OF EACH BANK, OR USE LOCKING JOINT PIPE.



PLAN - THRUST BLOCKING AT 90° BEND



PLAN - THRUST BLOCKING AT 45° BEND

THRUST BLOCK DETAILS

NOT TO SCALE

THRUST BLOCK NOTES:

1. THRUST BLOCKS SHALL BE PLACED AT ALL TEES, HYDRANTS, AND HORIZONTAL AND VERTICAL BENDS, AND SHALL MEET THE APPROVAL OF THE ENGINEER.
2. THRUST BLOCK SQ.FT. AREAS SHOWN ON THE SCHEMATIC DIAGRAM (SHEET 3) ARE COMPUTED ON A BASIS OF 200 PSI PIPE PRESSURE AND 2000 PSF SOIL BEARING CAPACITY. THE CONTRACTOR SHALL CONSTRUCT LARGER THRUST BLOCKS IF SOIL CONDITIONS ARE FOUND TO HAVE LESS BEARING CAPACITY AT TIME OF CONSTRUCTION.
3. CONCRETE FOR THRUST BLOCKS SHALL DEVELOP 3,000 PSF COMPRESSIVE STRENGTH AT 28 DAYS, SHALL BE POURED AGAINST UNDISTURBED SOIL, AND SHALL BE SHAPED SO AS NOT TO OBSTRUCT ACCESS TO PIPE JOINTS OR FITTINGS
4. VOLUME AND SHACKLE ROD DESIGN FOR DEAD WEIGHT THRUST BLOCKS, WHERE REQUIRED, SHALL MEET THE APPROVAL OF THE ENGINEER.

RECORD DRAWING
BASED ON MARKED-UP PRINTS DRAWINGS AND OTHER DATA FURNISHED BY CONTRACTOR.
DATE: MAY 28, 1976



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job no. CI. 73-172W
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date 7-23-75

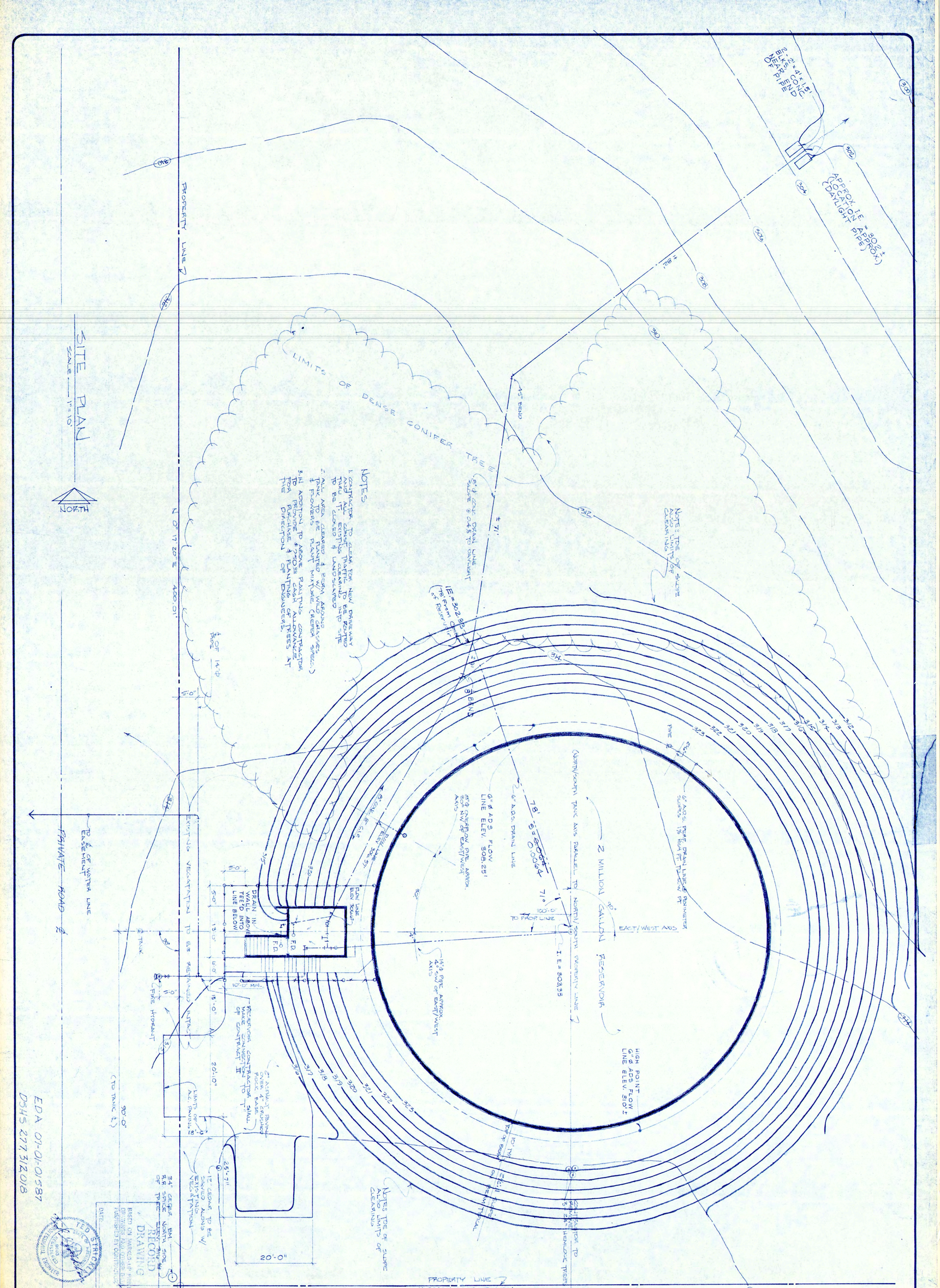
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CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENT
CONTRACT II - PIPELINES
DETAILS

sheet 3 of 9
CI 73-172W



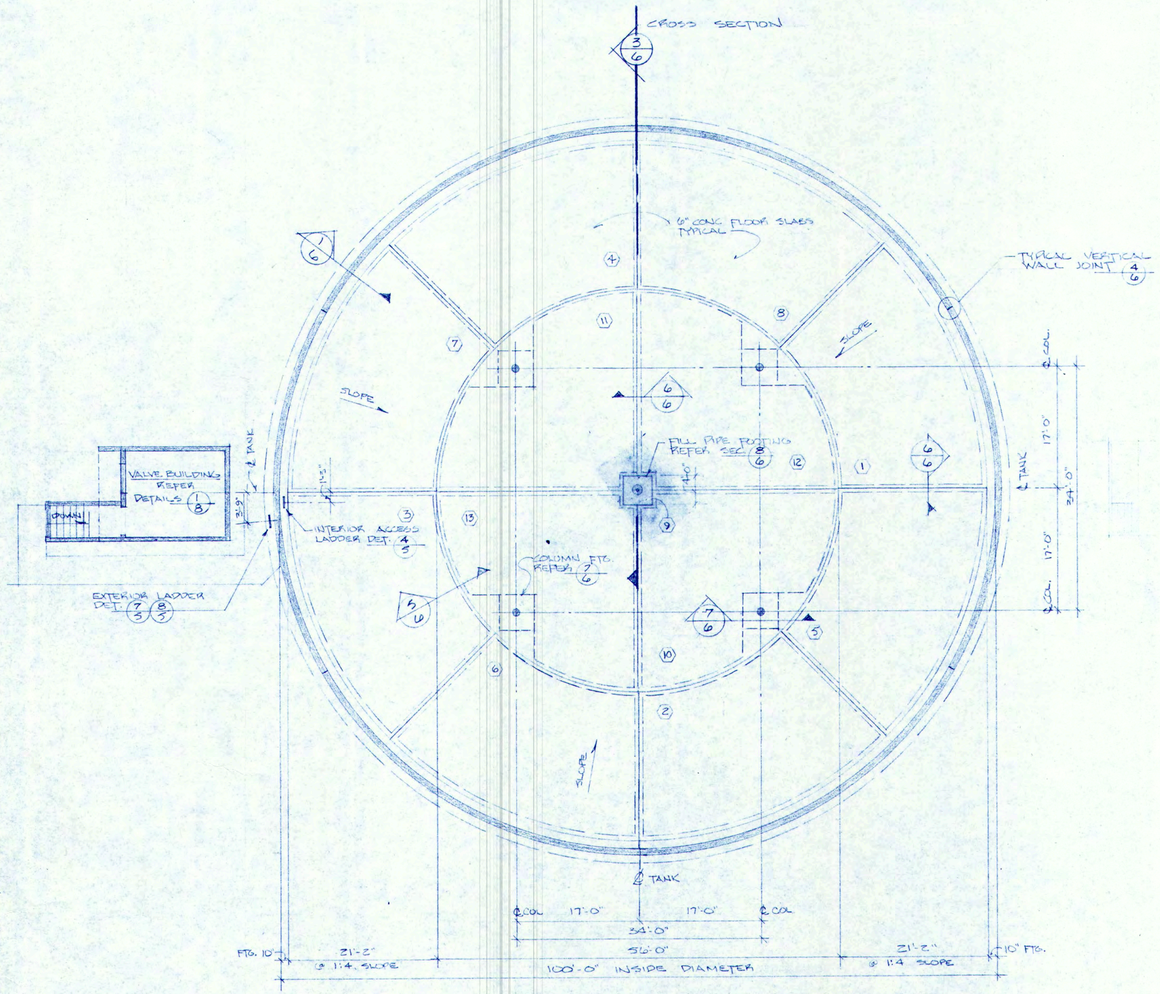
CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENT
CONTRACT III - 2-MG RESERVOIR
RESERVOIR SITE PLAN

sheet 4 of 9
CI 73-172 R

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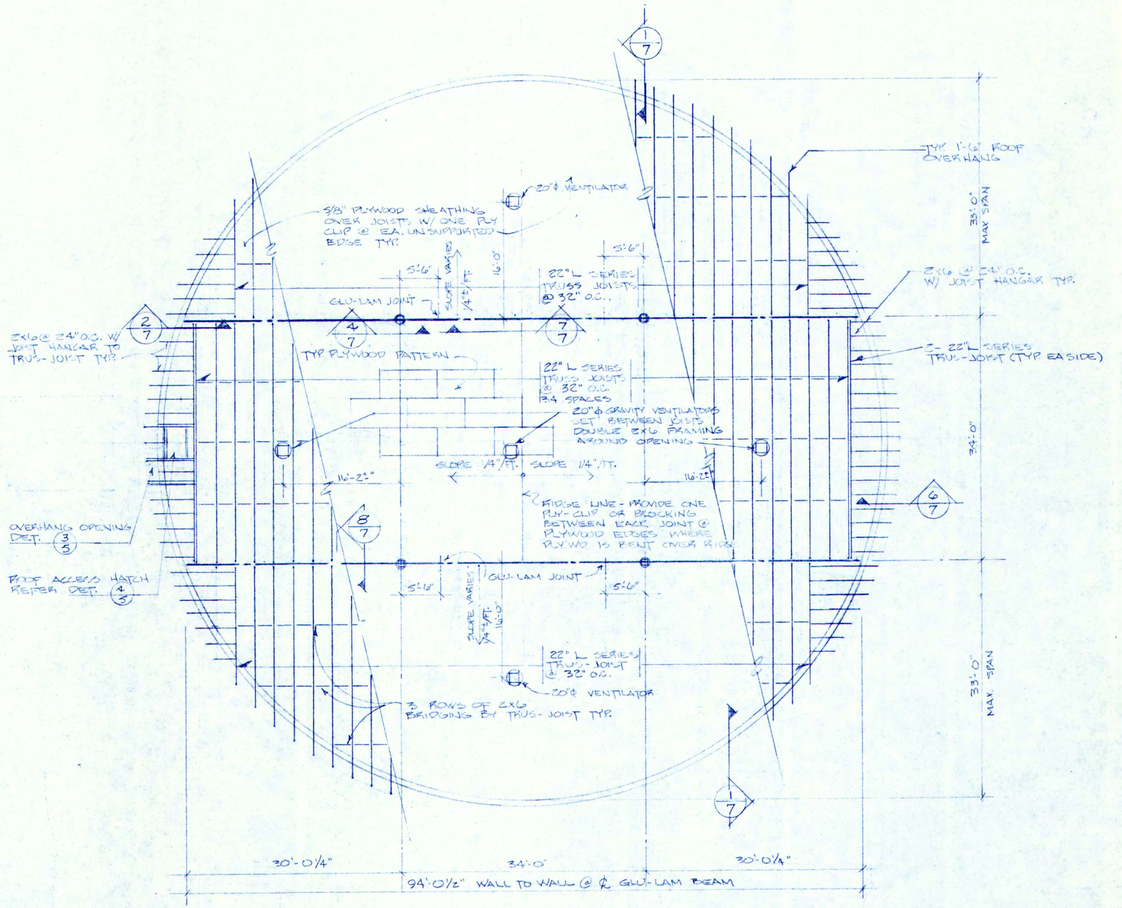


RESERVOIR SLAB & FOUNDATION PLAN (1/5)

SCALE — 1" = 10'

NORTH

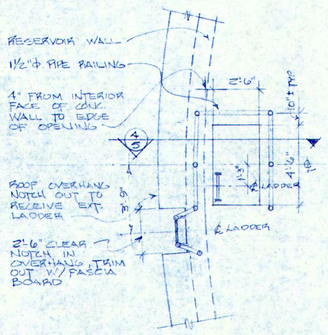
(10) DENOTES CONCRETE POURING SEQUENCE



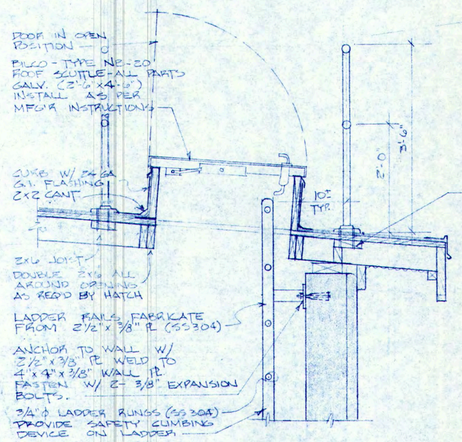
RESERVOIR ROOF FRAMING PLAN (2/5)

SCALE — 1" = 10'

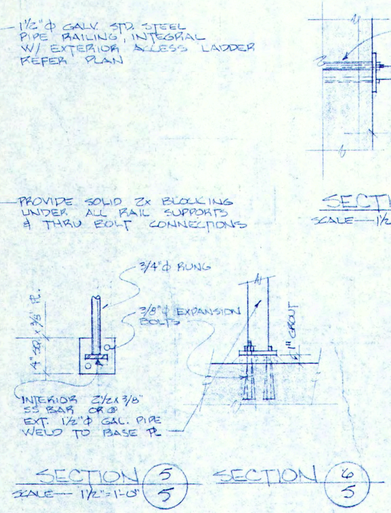
NORTH



ACCESS HATCH PLAN (3/5)

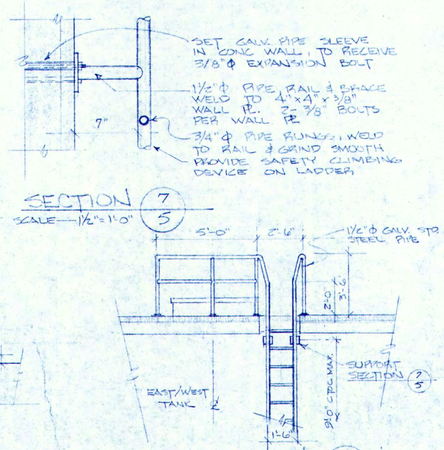


SECTION (4/5)



SECTION (5/5)

SECTION (6/5)

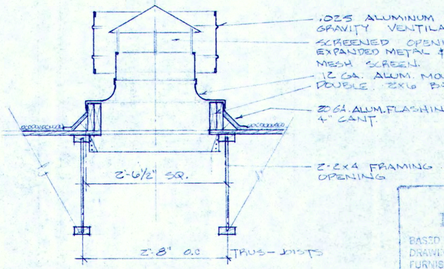


SECTION (7/5)

SCALE — 1½" = 1'-0"

ELEVATION (8/5)

SCALE ¼" = 1'-0"



SECTION (9/5)

SCALE — ¾" = 1'-0"

NOTE:
INTERIOR LADDER — RAILS, RUNGS, ANCHOR BOLTS ET. TO BE STAINLESS STEEL (SS304)
EXTERIOR LADDER — RAILS, RUNGS, ANCHOR BOLTS, HANDRAILS ET TO BE HOT DIPPED GALVANIZED STEEL

EDA 07-01-01587

DSHS 277,312,018

RECORD DRAWING
BASED ON MARKED UP PRINTS DRAWINGS AND OTHER DATA FURNISHED BY CONTRACTOR.
DATE:

TED STRICKLAND
STATE OF WASHINGTON
9803
REGISTERED
PROFESSIONAL ENGINEER

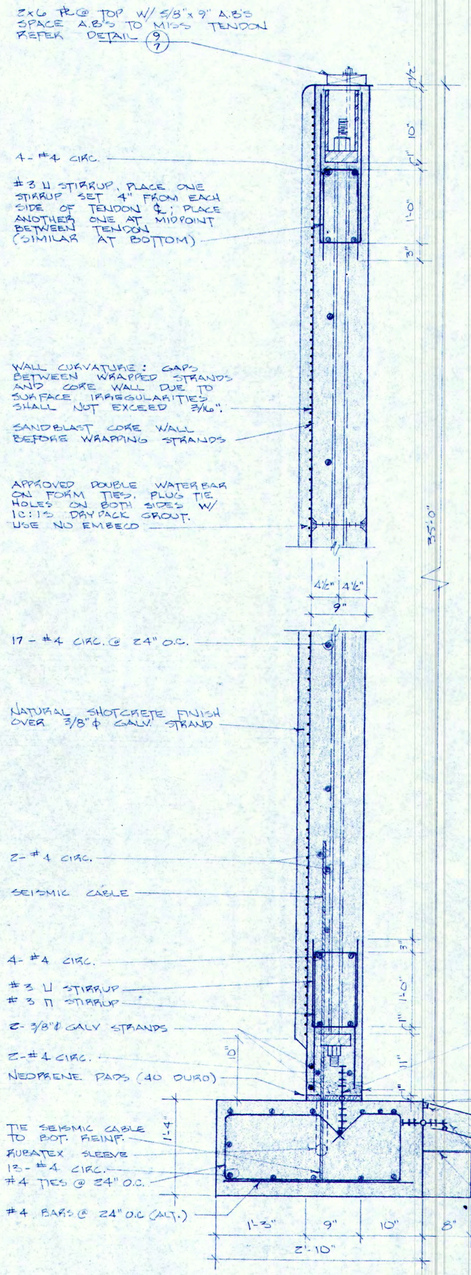
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design TS
drawn GP
app'd
date AUG. 1975

revisions	no.	date	item

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CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENT
CONTRACT III - 2-MG RESERVOIR
FOUNDATION & ROOF FRAMING PLANS

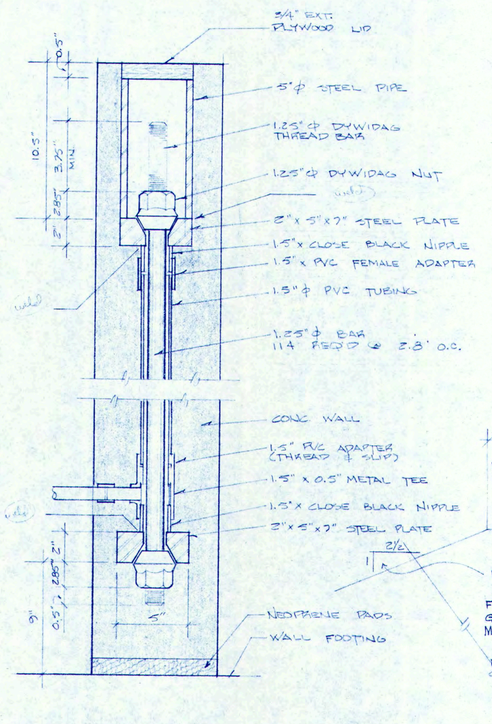
sheet 5 of
C1-73-172 R



TYPICAL WALL SECTION (1/6)

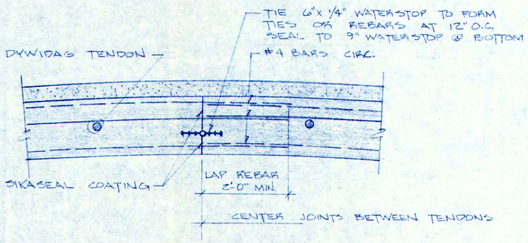
SCALE - 1" = 1'-0"

NOTE: FOR TYPICAL WALL ANCHOR DETAILS REFER TO SHEET 8 DETAILS 14/8



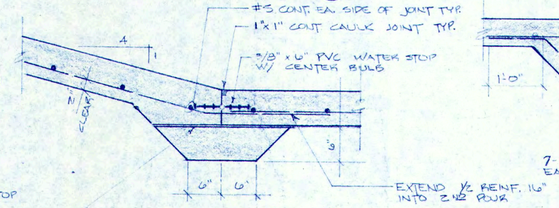
VERTICAL TENDON DETAIL (2/6)

NO SCALE



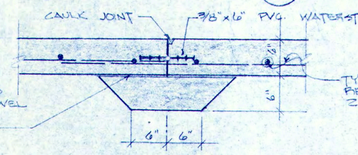
VERTICAL WALL JOINT (4/6)

NO SCALE



SECTION (5/6)

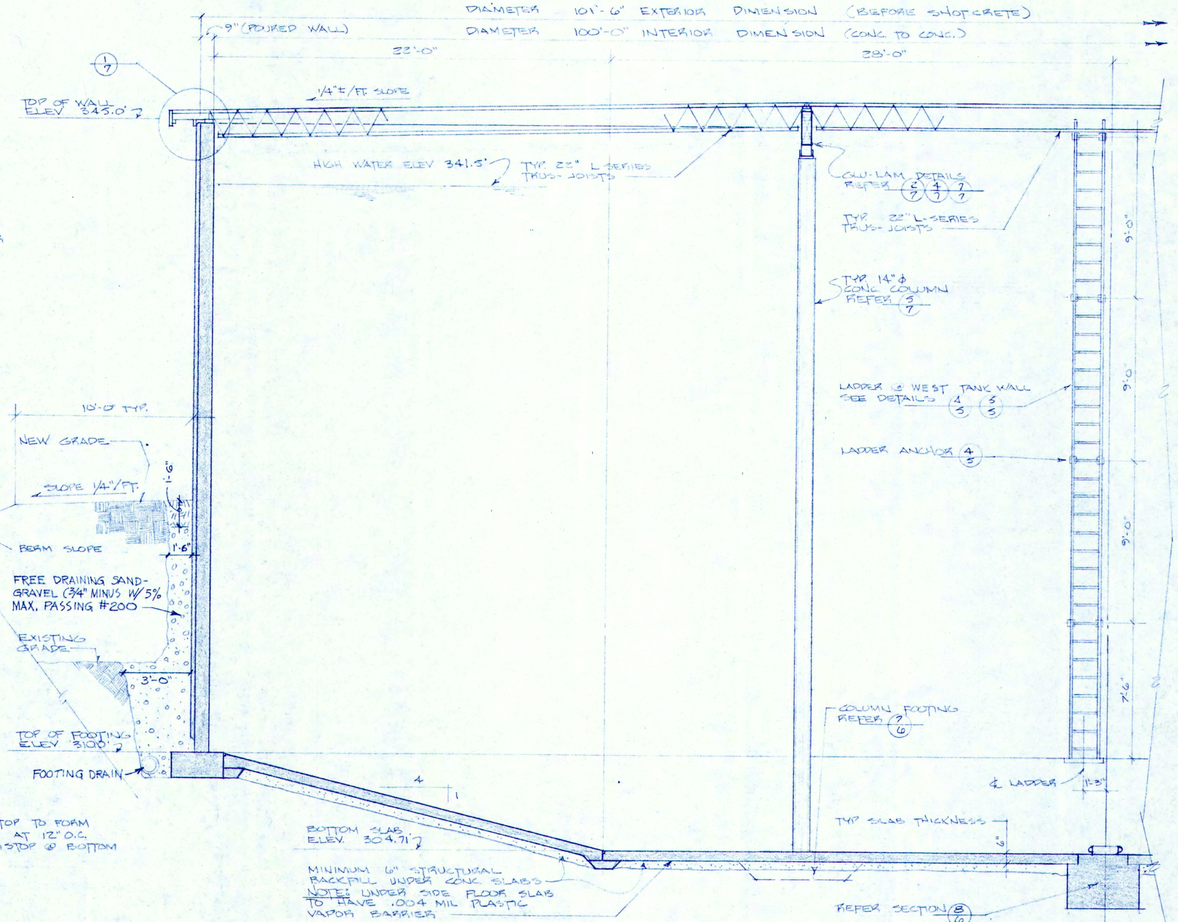
SCALE 1" = 1'-0"



SECTION (6/6)

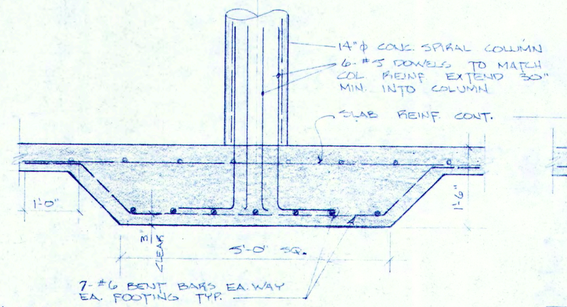
SCALE 1" = 1'-0"

CONC FTG UNDER ALL CO-D SLAB JOINTS STEEL TROWEL FINISH & 2 LAYERS OF BUILDING PAPER



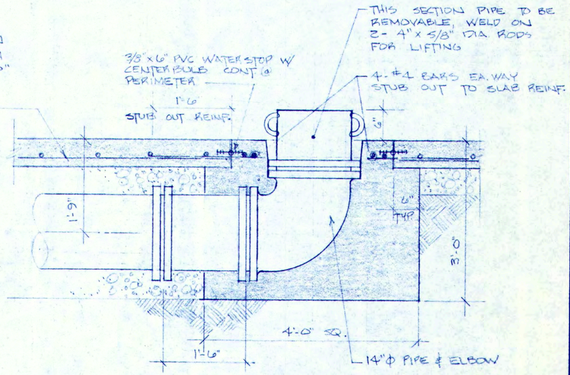
CROSS SECTION (3/6)

SCALE - 1/4" = 1'-0"



SECTION (7/6)

SCALE - 3/4" = 1'-0"



SECTION (8/6)

SCALE - 3/4" = 1'-0"

RECORD DRAWING
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no.	date	item	

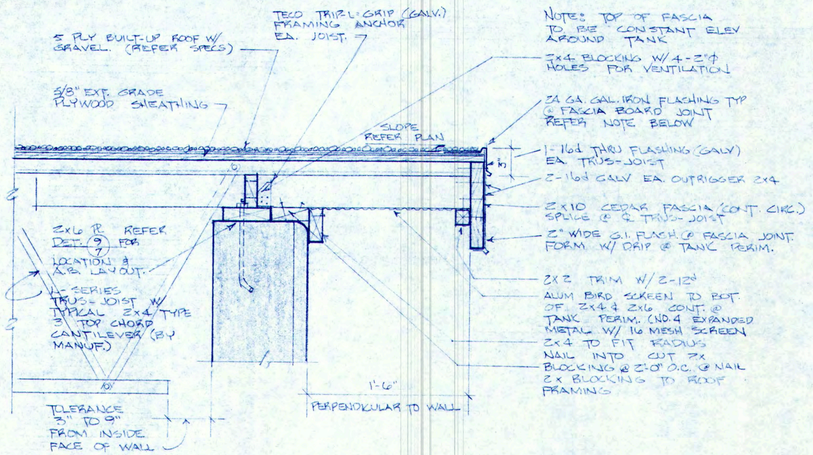
job no.	CL-73-172R
design	TD
drawn	GP
app'd	
date	AUG 1975

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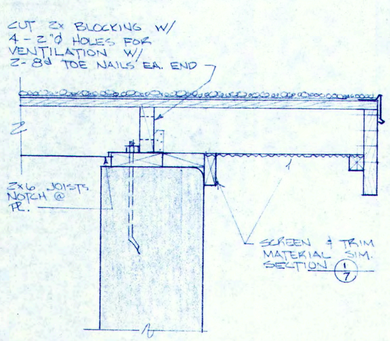
CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENT
CONTRACT III - 2-MG RESERVOIR
RESERVOIR WALL SECTIONS

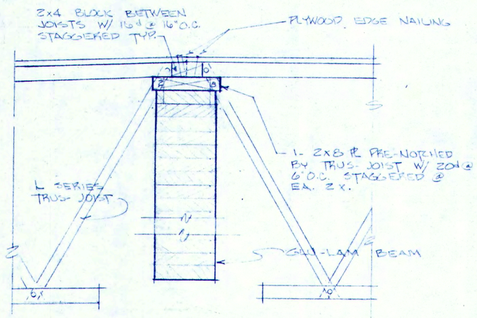
sheet 6 of 9

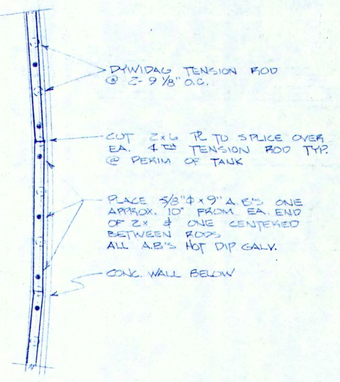
CL 73-172 R



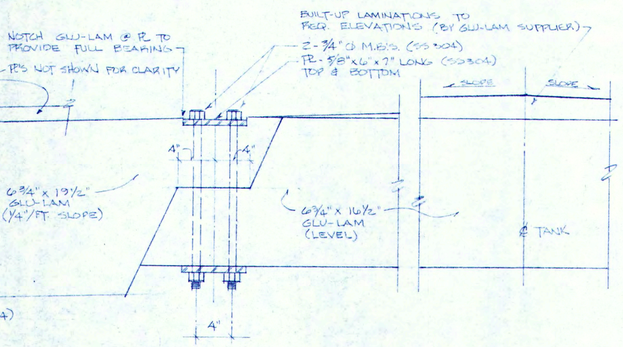
SECTION (1/7)
SCALE — 1½" = 1'-0"



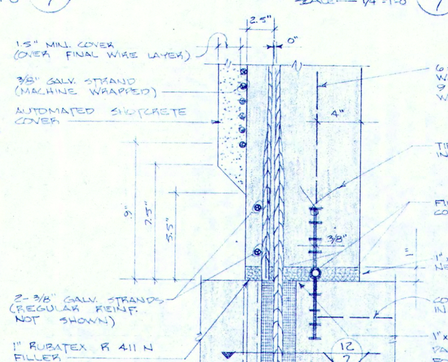




SECTION (6/7)
SCALE — 1½" = 1'-0"

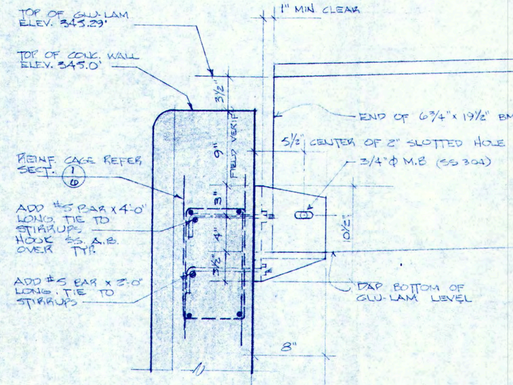


SECTION (8/7)
SCALE — 1½" = 1'-0"

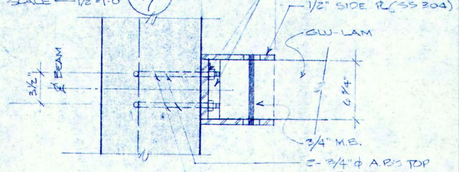


DETAIL (9/7)
SCALE — ¼" = 1'-0"

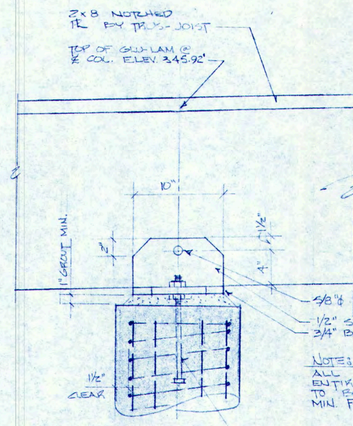
SECTION (11/7)
NO SCALE



SECTION (2/7)
SCALE — 1½" = 1'-0"

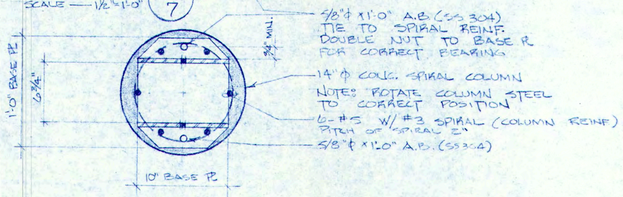


SECTION (3/7)
SCALE — 1½" = 1'-0"



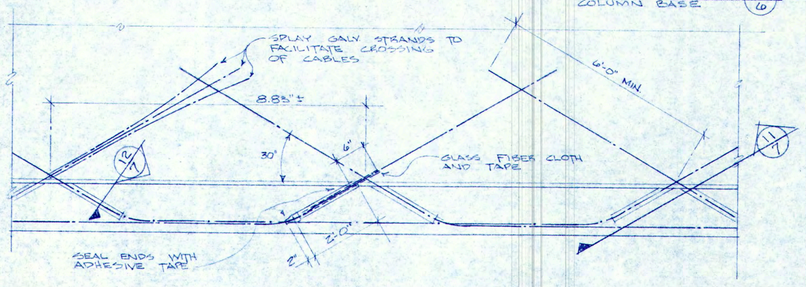
NOTE:
ALL PL's & BOLTS THIS ENTIRE GLU LAM ASSEMBLY TO BE STAINLESS STEEL (SS 304) MIN. Fy = 21 KSI

GLU-LAM DETAILS (7/7)
SCALE — 1½" = 1'-0"

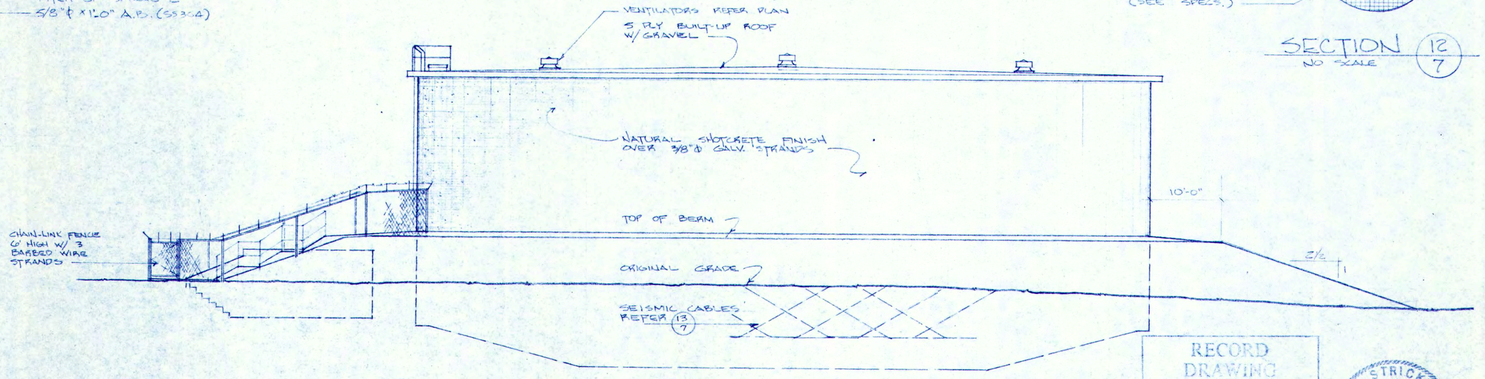


SECTION (4/7)
SCALE — 1½" = 1'-0"

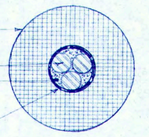
SECTION (5/7)
SCALE — 1½" = 1'-0"
REFER SECTION 7/6 FOR COLUMN BASE



ELEVATION OF SEISMIC CABLES (13/7)
SCALE ⅜" — 1'-0"
(36 SETS REQUIRED)



NORTH ELEVATION (10/7)
SCALE — 1" = 10'



SECTION (12/7)
NO SCALE

RECORD DRAWING
BASED ON MARKED UP PRINTS DRAWINGS AND OTHER DATA FURNISHED BY CONTRACTOR.
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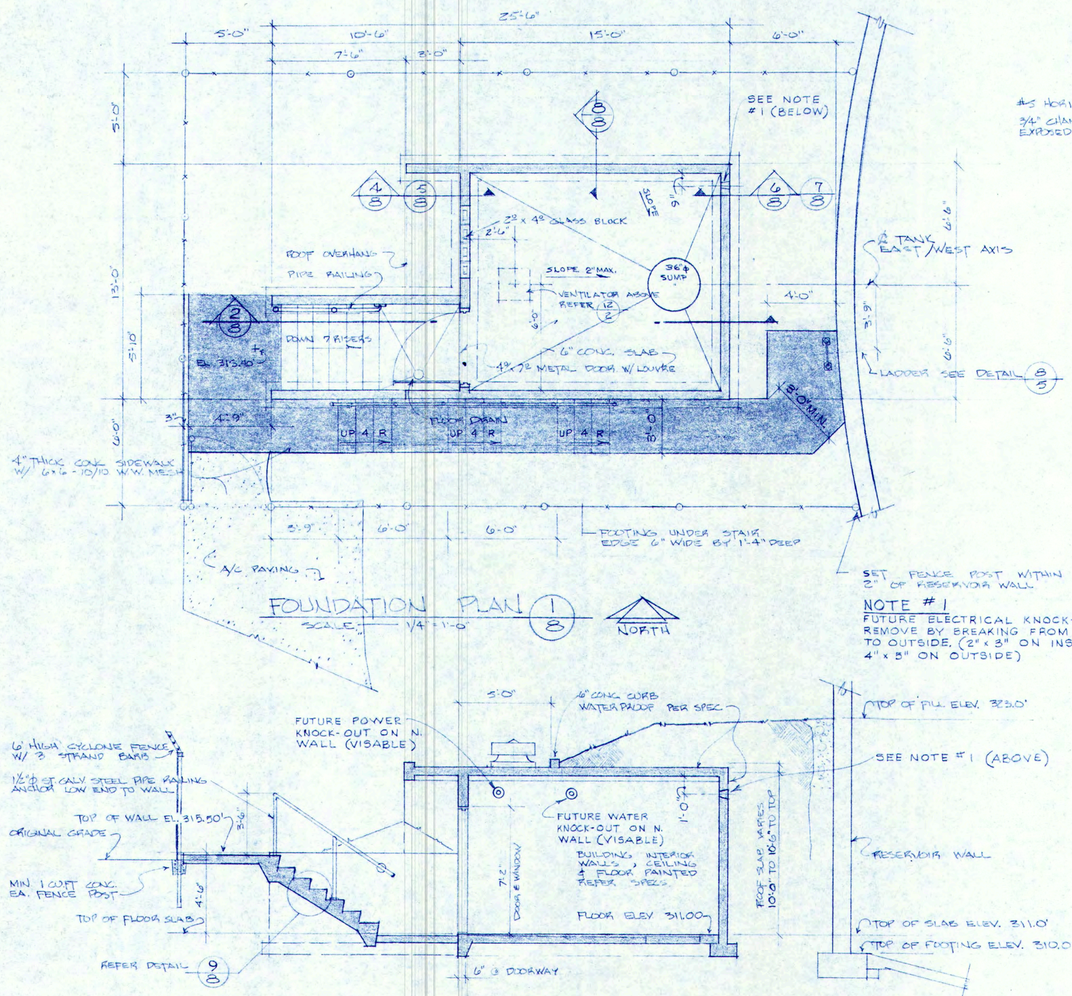
job no. C-173-172 R
design TS
drawn GP
app'd
date AUG 1975

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CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENT
CONTRACT III - 2-MG RESERVOIR
ELEVATION & FRAMING DETAILS

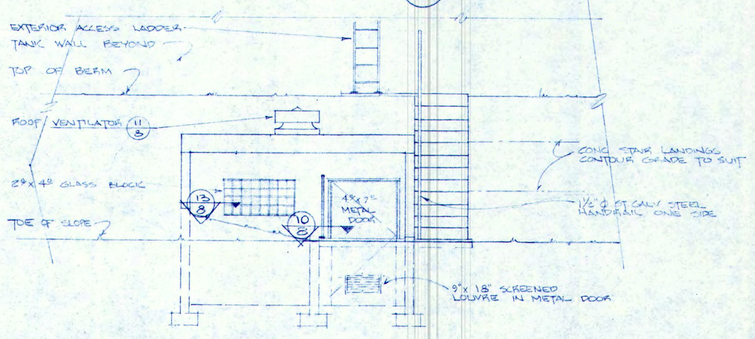
sheet 7 of 9
C.I. 73-172 R



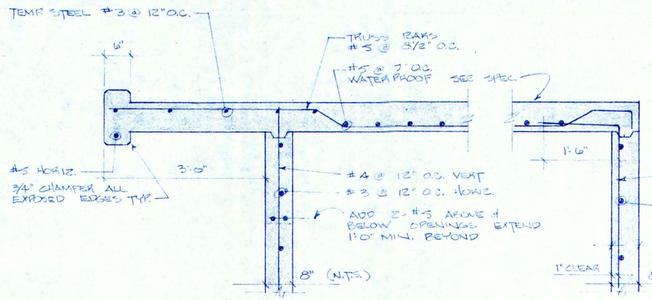
FOUNDATION PLAN (1/8) — SCALE — 1/4" = 1'-0"

NOTE #1
FUTURE ELECTRICAL KNOCK-OUT. REMOVE BY BREAKING FROM INSIDE TO OUTSIDE. (2" x 3" ON INSIDE; 4" x 5" ON OUTSIDE)

SECTION (2/8) — SCALE — 1/4" = 1'-0"



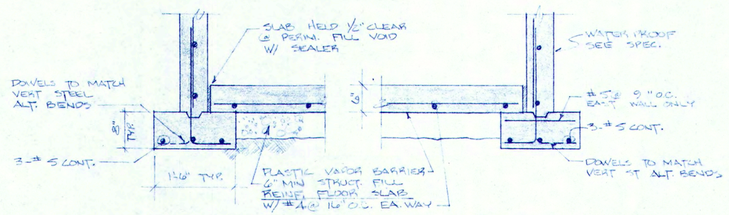
WEST ELEVATION (3/8) — SCALE — 1/4" = 1'-0"



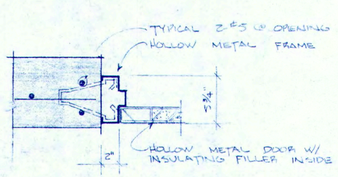
SECTION (4/8) — SCALE — 3/4" = 1'-0"

SECTION (6/8)

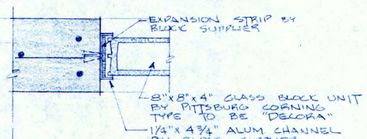
SECTION (8/3)

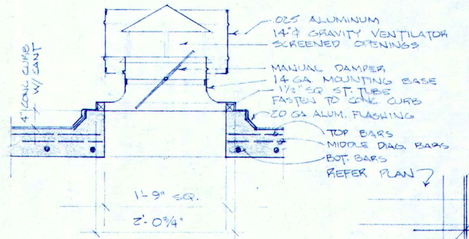


SECTION (5/8) — SECTION (7/8) — SCALE — 3/4" = 1'-0" — TYP. CONC. STAIR (9/8) — SCALE — 3/4" = 1'-0"

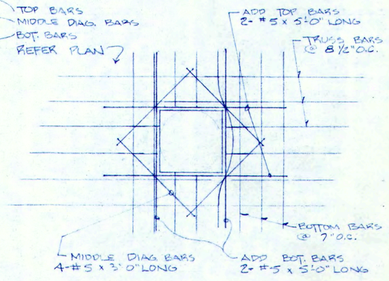


DOOR JAMB (10/8) — SCALE — 1½" = 1'-0"



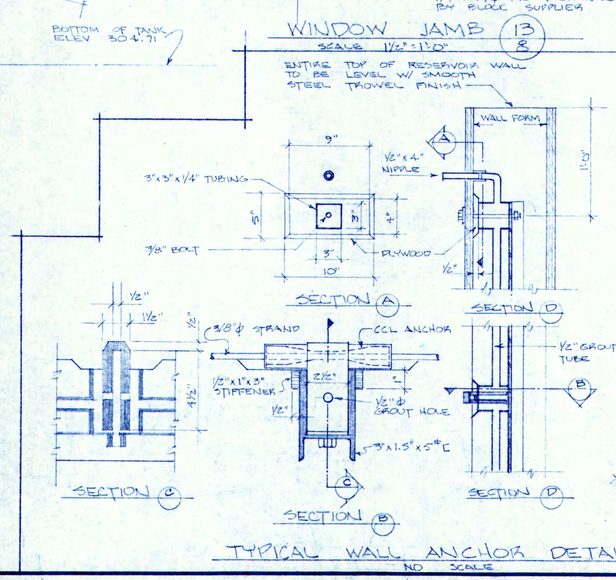


SECTION (11/8) — NO SCALE



PLAN (12/8)
REINF. STEEL IN SLAB @ VENT. OPENING
CUT ONLY 2 BARS EA. WAY

WINDOW JAMB (13/8) — SCALE — 1½" = 1'-0"



TYPICAL WALL ANCHOR DETAILS (14/8) — NO SCALE — REFER 1/6, 2/6

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CITY OF ARLINGTON, WASHINGTON
WATER SYSTEM IMPROVEMENT
CONTRACT III - 2 - M.G. RESERVOIR
VALVE BUILDING

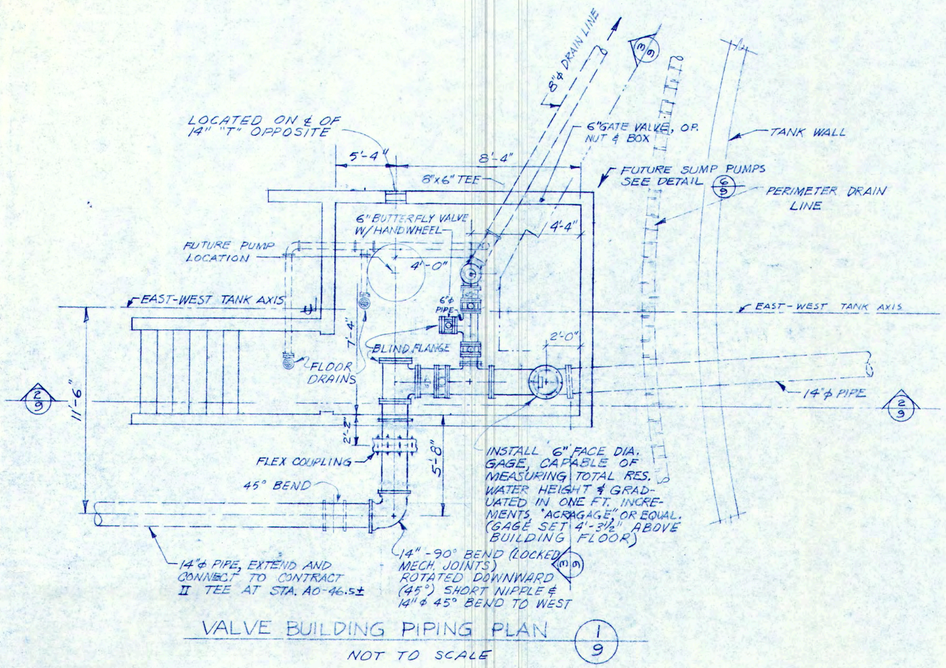
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design TS
drawn GP
app'v'd
date AUG. 1975

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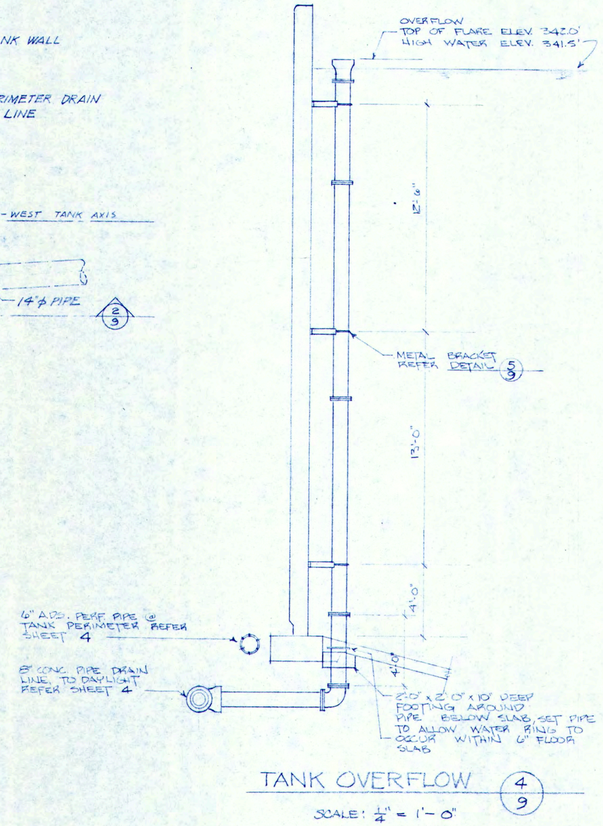
no.	date	item

sheet 8 of 9
CL 73-172R



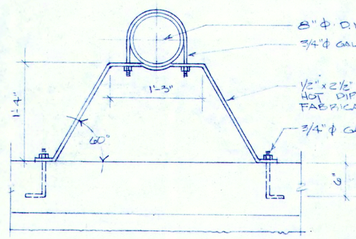
VALVE BUILDING PIPING PLAN (1/9)

NOT TO SCALE



TANK OVERFLOW (4/9)

SCALE: 1/4" = 1'-0"

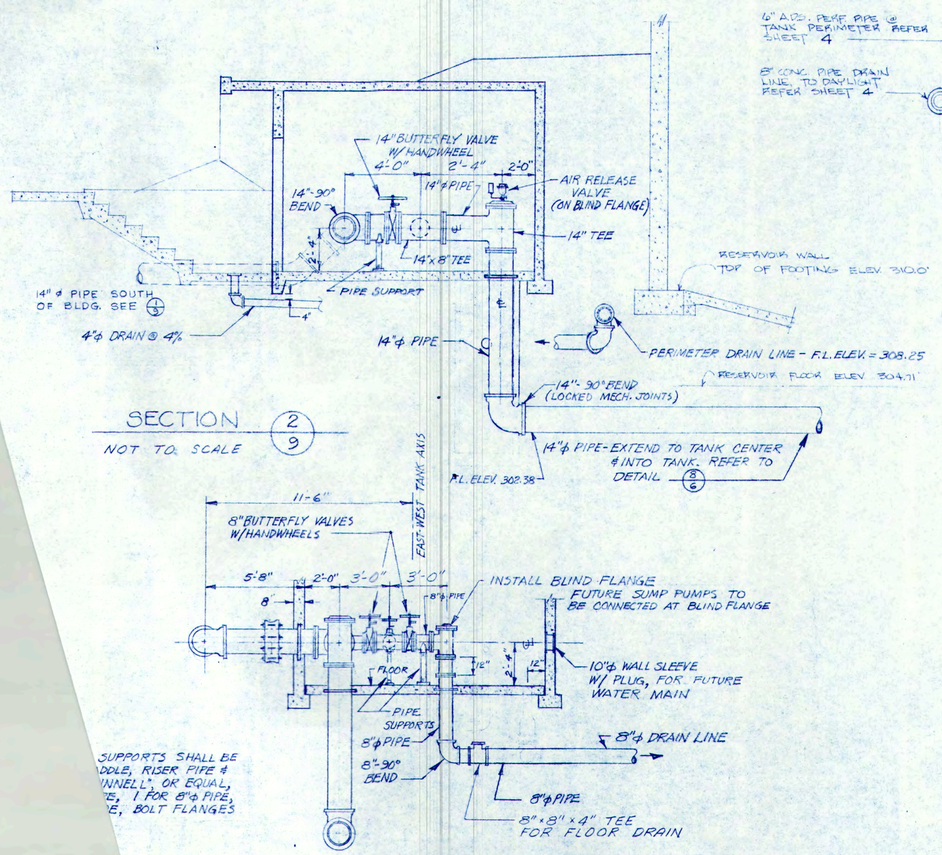


BRACKET DETAIL (5/9)

SCALE: 1"=1'-0"

NOTE:

SEE ATTACHED SHEET 9A FOR CONTRACTOR'S SHOP DRAWINGS FOR PIPING CHANGES IN VALVE BUILDING

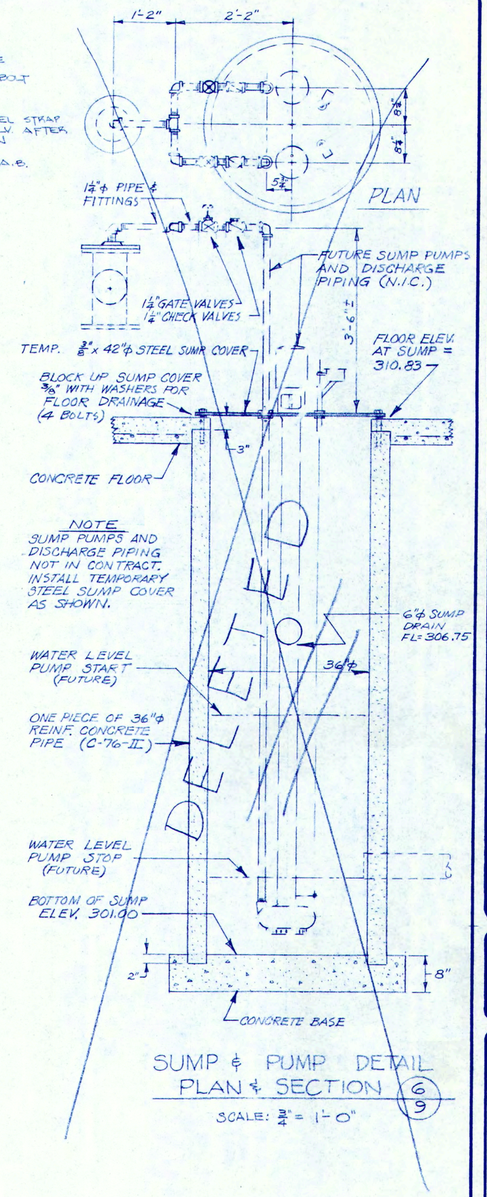


SECTION (2/9)

NOT TO SCALE

SECTION (3/9)

NOT TO SCALE



SUMP ℄ PUMP DETAIL PLAN ℄ SECTION (6/9)

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

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WATER SYSTEM IMPROVEMENT
CONTRACT III - 2-MG RESERVOIR
PIPING DETAILS

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DATE:

sheet 9 of 9
CL 73 172 R