



University of Kentucky[®]

Procurement Services

REQUEST FOR PROPOSALS
UK-2563.0-2-24
CTC - Thermal Utility Tunnel Design Build
ADDENDUM #1
05/23/2024

ATTENTION: This is not an order. Read all instructions, terms, and conditions carefully.

IMPORTANT: RFP AND ADDENDUM MUST BE RECEIVED BY: 06/21/2024 @ 3:00 P.M. LEXINGTON, KY TIME

Offeror must acknowledge receipt of this and any addendum as stated in the Request for Proposal.

ITEM #1: MODIFICATIONS TO THE ORIGINAL BID DOCUMENTS

- Please refer to the enclosed documents when preparing your proposals. These documents were unintentionally omitted from the original bid documents when they were posted.
 - SU Drawing Series Thermal Utility Routing
 - S701 Limestone Street Utility Tunnel Vault
 - S711 Vault Details

ITEM #2: NOTICE TO BIDDERS

- The proposal “Due Date” has been extended to 06/21/2024. The time and location for proposal submission remains the same.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

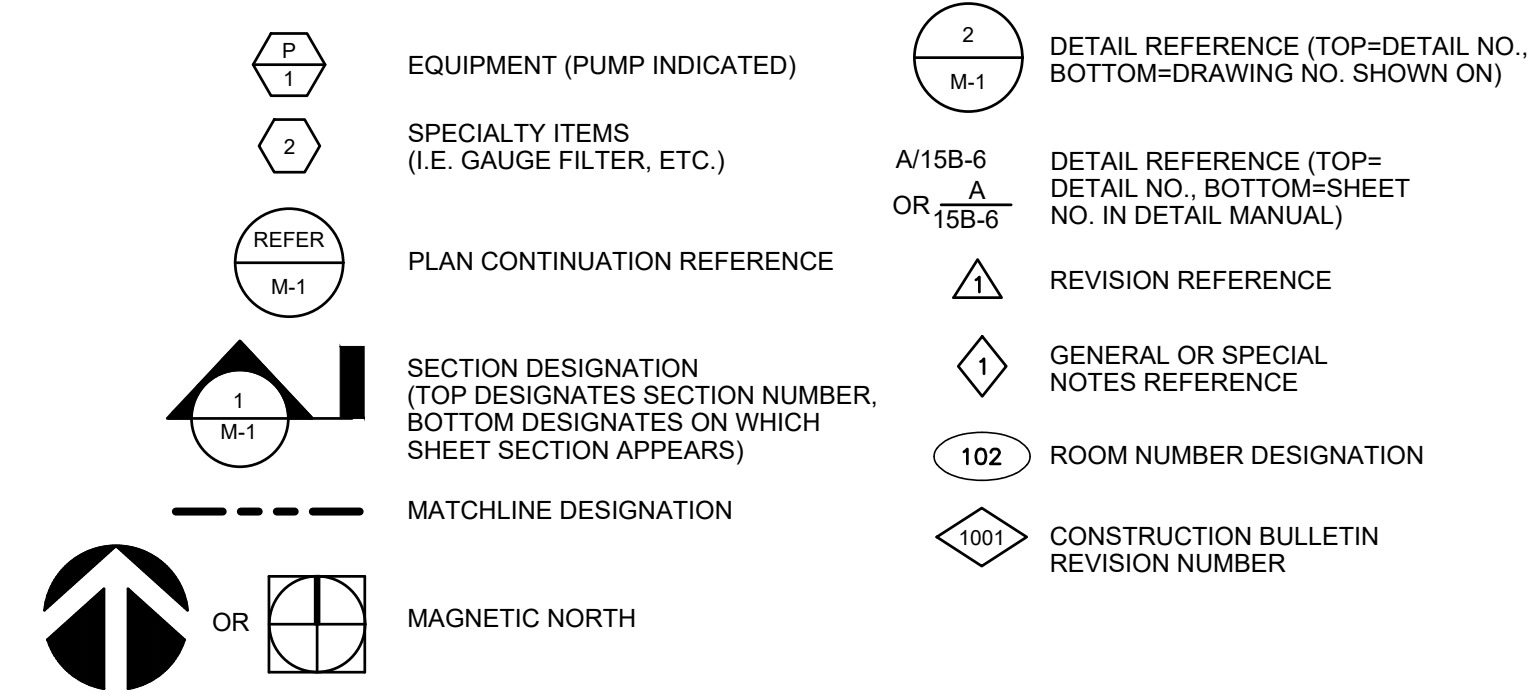
SIGNATURE

Ken Scott 05/23/2024

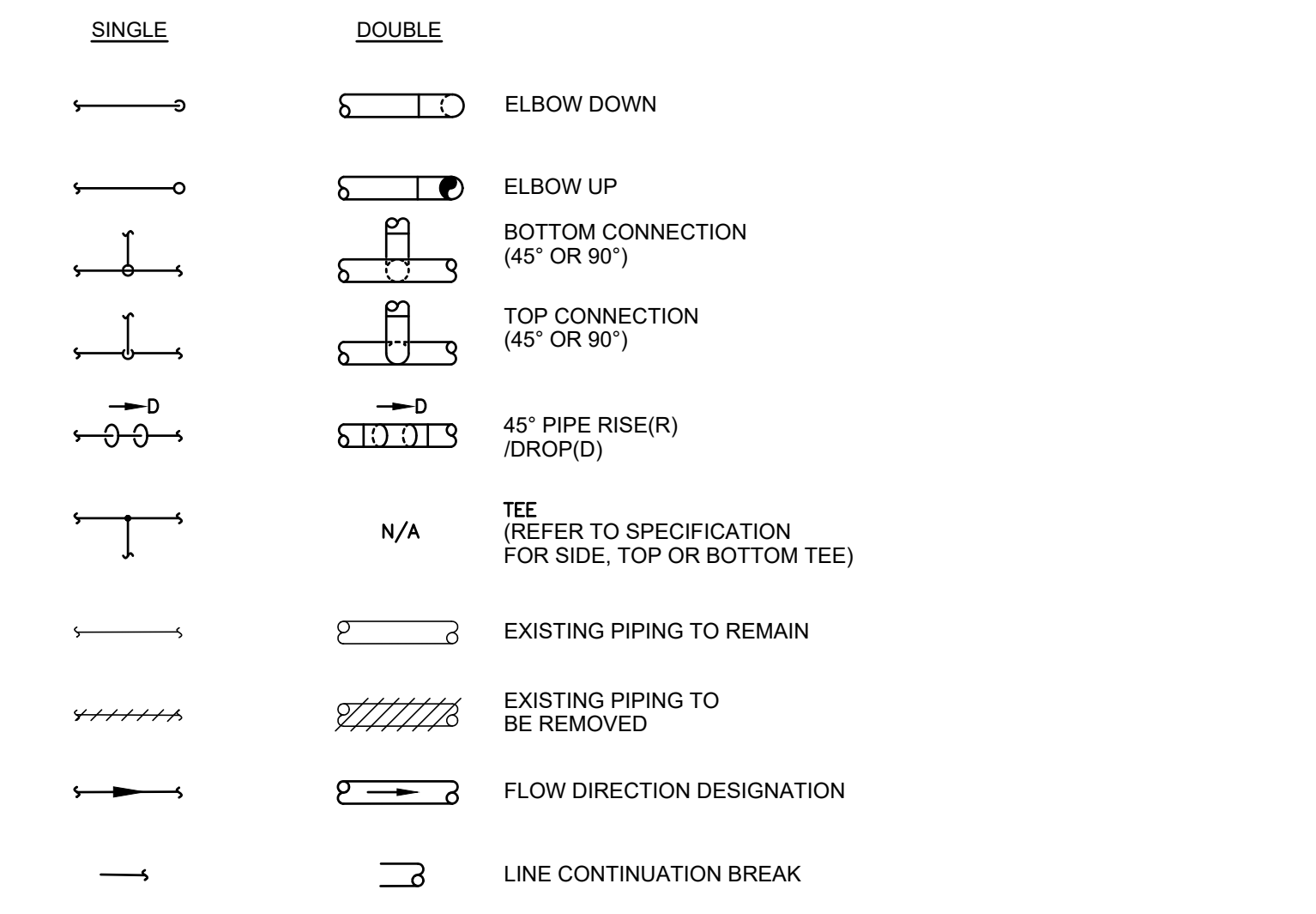
Ken Scott, Purchasing Officer

Typed or Printed Name

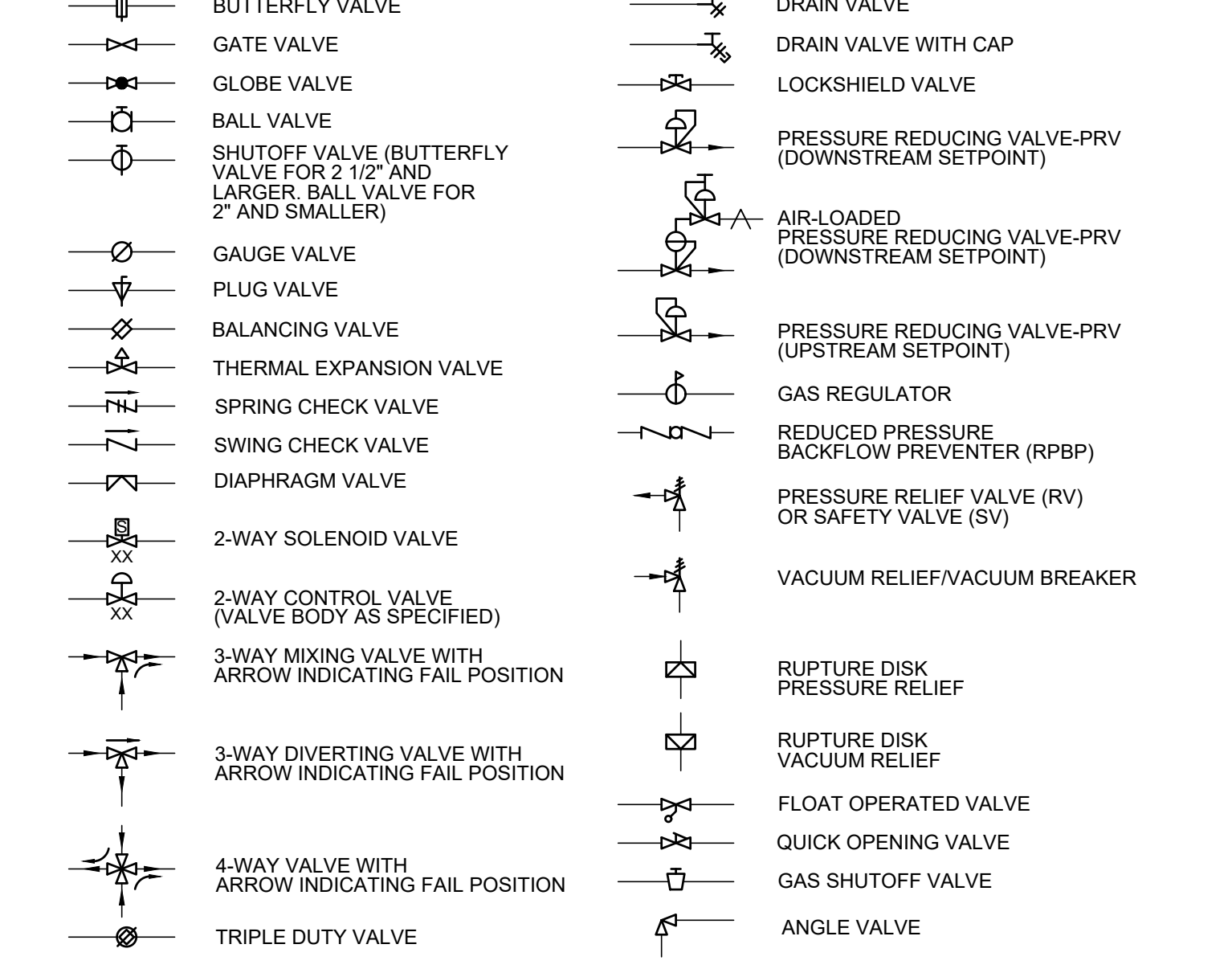
SPECIAL DESIGNATION



PIPING

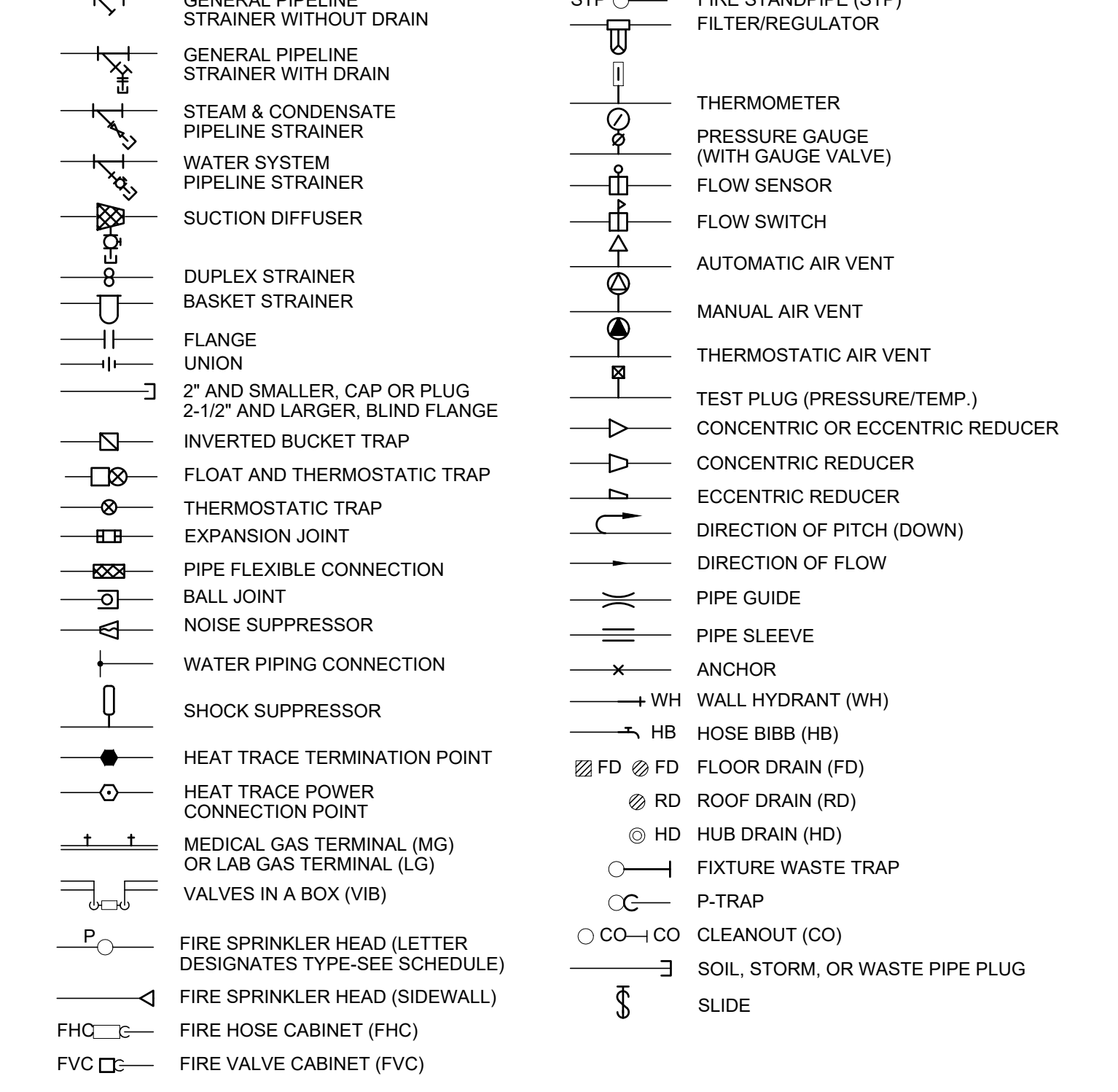


VALVES



(XX) = DEFINES FAIL POSITION OR NORMAL POSITION
 FC = FAIL CLOSED (CONTROL VALVE OR DAMPER)
 FO = FAIL OPEN (CONTROL VALVE OR DAMPER)
 NC = NORMALLY CLOSED (CONTROL VALVE OR DAMPER)
 NO = NORMALLY OPEN (CONTROL VALVE OR DAMPER)

PIPING SPECIALTIES



GENERAL

- ADJ - ADJUSTABLE
- AFF - ABOVE FINISHED FLOOR
- AL - ALUMINUM
- ALT - ALTERNATE
- AP - ACCESS PANEL
- BOD - BOTTOM OF DUCT
- BOP - BOTTOM OF PIPE
- BTU - BRITISH THERMAL UNIT
- BTUH - BRITISH THERMAL UNITS PER HOUR
- CA - COMBUSTION AIR
- CAV - CONSTANT AIR VOLUME
- CFM - CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
- CFM - CUBIC FEET PER MINUTE
- CL - CENTERLINE
- CLG - CEILING
- COND - CONDENSATE/CONDENSER
- COP - CENTER OF PIPE
- CS - CARBON STEEL
- CU - COPPER
- DB - DRY BULB
- DDC - DIRECT DIGITAL CONTROL
- DIPS - DUCTILE IRON PIPE SIZE
- DX - DIRECT EXPANSION
- EA - EXHAUST AIR
- EAT - ENTERING AIR TEMPERATURE
- EC - ELECTRICAL CONTRACTOR
- EDR - EQUIVALENT DIRECT RADIATION
- EL - ELEVATION
- ESP - EXTERNAL STATIC PRESSURE
- ETR - EXISTING TO REMAIN
- EWT - ENTERING WATER TEMPERATURE
- EXH - EXHAUST
- FA - FRESH AIR INTAKE/ FIELD ADJUSTABLE
- FAT - FINAL AIR TEMPERATURE
- FC - FAIL CLOSED
- FE - FUME HOOD EXHAUST
- FLA - FULL LOAD AMPS
- FLR - FLOOR
- FO - FAIL OPEN
- FPI - FINS PER INCH
- FPM - FEET PER MINUTE
- FPS - FEET PER SECOND
- FTG - FOOTING
- GA - GAUGE
- GC - GENERAL CONTRACTOR
- GE - GENERAL EXHAUST
- GPM - GALLONS PER MINUTE
- GS - GALVANIZED STEEL
- HP - HORSE POWER/HIGH POINT
- IA - INSTRUMENT AIR
- IE - INVERT ELEVATION
- IPS - IRON PIPE SIZE
- KO - KNOCK-OUT
- LAT - LEAVING AIR TEMPERATURE
- LP - LOW POINT
- LWT - LEAVING WATER TEMPERATURE

GENERAL

- MBH - THOUSANDS OF BTU PER HOUR
- MC - MECHANICAL CONTRACTOR
- MEP - MECHANICAL, ELECTRICAL AND PIPING
- MER - MECHANICAL EQUIPMENT ROOM
- NA - NOT APPLICABLE
- NC - NORMALLY CLOSED
- NOT IN CONTRACT
- NO - NORMALLY OPEN
- NPS - NOMINAL PIPE SIZE
- NPT - NATIONAL PIPE THREAD
- NTS - NOT TO SCALE
- OA - OUTSIDE AIR
- OC - ON CENTER
- OED - OPEN END DUCT
- OF - OWNER FURNISHED
- OFICI - CONTRACTOR INSTALLED, OWNER INSTALLED
- PA - PLANT AIR
- OV - OWNER INSTALLED
- PA - PLANT AIR
- PC - PLUMBING CONTRACTOR
- PCF - POUNDS PER CUBIC FOOT
- PD - PRESSURE DROP
- PH - PHASE
- PP - POLYPROPYLENE
- PSF - POUNDS PER SQUARE FOOT
- PSI - POUNDS PER SQUARE INCH
- PSIA - POUNDS PER SQUARE INCH ABSOLUTE
- PSIG - POUNDS PER SQUARE INCH GAUGE
- PVC - POLYVINYL CHLORIDE
- RA - RETURN AIR
- RPM - REVOLUTIONS PER MINUTE
- SA - SUPPLY AIR
- SCH - SCHEDULE
- SOG - SLAB ON GRADE
- SP - STATIC PRESSURE
- SS - STAINLESS STEEL
- TA - TRANSFER AIR
- TBR - TO BE REMOVED
- TC - TEMPERATURE CONTROL
- TOB - TOP OF BEAM
- TOJ - TOP OF JOIST
- TOP - TOP OF PIPE
- TOS - TOP OF SLAB
- TSP - TOTAL STATIC PRESSURE
- V - VOLTS
- VAV - VARIABLE AIR VOLUME
- VP - VELOCITY PRESSURE
- VTR - VENT THRU ROOF
- WB - WET BULB
- WC - WATER COLUMN
- WG - WATER GAUGE
- X - EXISTING

EQUIPMENT

- AC - AIR CONDITIONING UNIT/
- ACC - AIR COMPRESSOR
- ACCU - AIR COOLED CONDENSER
- ACU - AIR COOLED CONDENSING UNIT
- AHU - AIR HANDLING UNIT
- AMD - AIR MIXING DEVICE
- AR - AIR RECEIVER
- AS - AIR SEPARATOR
- AT - AIR TERMINAL DEVICE
- B - BOILER
- BBS - BOILER BLOWDOWN SEPARATOR
- BFS - BOILER FEEDWATER SYSTEM
- BT - BOOSTER HUMIDIFIER
- BT - BATHTUB
- C - CONVECTOR
- CC - COOLING COIL
- CH - CHILLER
- CP - CONDENSATE PUMP/ CONTROL PANEL
- CS - CLINICAL SINK
- CT - COOLING TOWER
- CUH - CABINET UNIT HEATER
- CV - CONVERTER
- D - DAMPER
- DC - DUST COLLECTOR
- DH - DEHUMIDIFIER
- DS - DOWNSPOUT
- EF - EXHAUST FAN
- EH - EXHAUST HOOD/ ELECTRIC HEATER
- EJ - EXPANSION JOINT
- ET - EXPANSION TANK
- EV - EXHAUST VALVE
- F - FILTER
- FCO - FLOOR CLEANOUT
- FOU - FAN COIL UNIT
- FD - FLOOR DRAIN
- FOP - FUEL OIL PUMP
- FOT - FUEL OIL TANK
- FR - FIN TUBE RADIATION
- FT - FLASH TANK
- FU - FURNACE
- H - HUMIDIFIER
- HB - HOSE BIBB
- HC - HEATING COIL
- HP - HEAT PUMP
- HR - HEAT RECOVERY COIL
- HR - HOSE REEL
- HRD - HEAT RECLAIM DEVICE
- HT - HEAT TRACE
- HX - HEAT EXCHANGER
- IH - INTAKE HOOD
- JS - JANITOR SINK
- LAV - LAVATORY
- MCC - MOTOR CONTROL CENTER
- P - PUMP
- PP - PLUMBING PUMP
- RAH - ROOFTOP AIR HANDLING UNIT
- REHAT - REHEAT COIL
- RCP - RADIANT CEILING PANEL
- REF - ROOF EXHAUST FAN
- RF - RETURN FAN
- RH - RELIEF HOOD
- SAD - SOUND ATTENUATING DEVICE
- SUCTION DIFFUSER
- SF - SUPPLY FAN
- SH - SHOWER
- SR - SERVICE RECEPTOR
- ST - STORAGE TANK/TEAM TRAP
- T - TANK
- TD - TRENCH DRAIN
- TP - TRAP PRIMER
- TXV - THERMAL EXPANSION VALVE
- UH - UNIT HEATER
- UR - URINAL
- UV - UNDERGROUND STORAGE TANK
- UV - UNIT VENTILATOR
- V - VALVE
- VFD - VARIABLE FREQUENCY DRIVE
- WC - WATER CLOSET
- WCC - WATER COOLED CONDENSER
- WCL - WALL CLEANOUT
- WF - WATER FILTER
- WH - WATER HEATER
- YCO - YARD CLEANOUT

PIPING SYSTEM LABELS

- LPS--- LOW PRESSURE STEAM
- LPC--- LOW PRESSURE CONDENSATE
- HPS(XX)--- HIGH PRESSURE STEAM
- HPC--- HIGH PRESSURE CONDENSATE
- CPD--- CONDENSATE PUMP DISCHARGE
- HWS--- HOT WATER SUPPLY
- HWR--- HOT WATER RETURN
- CHS--- CHILLED WATER SUPPLY
- CHR--- CHILLED WATER RETURN
- TWS--- TOWER WATER SUPPLY
- TWR--- TOWER WATER RETURN
- BF--- BOILER FEED
- BBD--- BOILER BLOW DOWN
- GWS--- GLYCOL WATER SUPPLY
- GWR--- GLYCOL WATER RETURN
- PCWS--- PROCESS COOLING WATER SUPPLY
- PCWR--- PROCESS COOLING WATER RETURN
- PCWD--- POTABLE COLD WATER
- PHW--- POTABLE HOT WATER
- PHWR--- POTABLE HOT WATER RETURN
- 180°--- POTABLE HOT WATER 180°
- 180TR--- POTABLE HOT WATER RETURN 180°
- HT--- HEAT TRACE HOT WATER
- VENT--- VENT
- CRV--- CORROSION RESISTANT VENT
- CQW--- CLEAR WATER VENT
- LV--- LOCAL VENT
- DCW--- DOMESTIC COLD WATER
- DHW--- DOMESTIC HOT WATER
- DHR--- DOMESTIC HOT WATER RETURN
- LCW--- LAB COLD WATER
- LHW--- LAB HOT WATER
- LHR--- LAB HOT WATER RETURN
- PCW--- PROCESS COLD WATER
- PHW--- PROCESS HOT WATER
- PHR--- PROCESS HOT WATER RETURN
- VC--- VACUUM CLEANING
- ADW--- ANIMAL DRINKING WATER
- AW--- ANIMAL WASTE
- D--- DRAIN
- SD--- SUBSOIL DRAIN LINE
- LW--- WASTE OR SOIL LINE
- LW--- LAB WASTE
- CQW--- CLEAR WATER WASTE
- GW--- GREASE WASTE
- IW--- INDIRECT WASTE
- S--- STORM
- CRW--- CORROSION RESISTANT WASTE
- CRV--- CORROSION RESISTANT VENT
- RL--- REFRIGERANT LIQUID
- RS--- REFRIGERANT SUCTION
- RHG--- REFRIGERANT HOT GAS
- G--- LOW PRESSURE GAS
- HPG(XX)--- HIGH PRESSURE GAS
- LP--- LIQUIFIED PETROLEUM GAS
- FS--- FUEL SUPPLY
- FR--- FUEL RETURN
- FOS--- FUEL OIL SUPPLY
- FOR--- FUEL OIL RETURN
- FOV--- FUEL OIL VENT
- FOF--- FUEL OIL FILL
- FOG--- FUEL OIL GAUGE
- LOS--- LUBRICATION OIL SUPPLY
- LOR--- LUBRICATION OIL RETURN
- RWS--- RECLAIM WATER SUPPLY
- RWR--- RECLAIM WATER RETURN
- JWS--- JACKET WATER SUPPLY
- JWR--- JACKET WATER RETURN
- T--- TEMPERED WATER
- CS--- COLD SOFT WATER
- NP--- NON-POTABLE WATER
- DA--- DEALKALIZED WATER
- DM--- DEMINERALIZED WATER
- DI--- DEIONIZED WATER
- RO--- REVERSE OSMOSIS WATER
- DW--- DISTILLED WATER
- MV--- MEDICAL VACUUM
- LV--- LAB VACUUM
- WGE--- WASTE GAS EVACUATION
- A(XX)--- SHOP AIR
- CA(XX)--- COMPRESSED AIR
- IA(XX)--- INSTRUMENT AIR
- MA--- MEDICAL AIR
- LA--- LAB AIR
- O₂--- OXYGEN
- N₂O--- NITROUS OXIDE
- N₂--- NITROGEN
- CO₂--- CARBON DIOXIDE
- AC--- ACETYLENE
- TP--- TRAP FILLER LINE
- F--- FIRE LINE
- SPR--- SPRINKLER
- (XX) = SYSTEM PRESSURE IN PSIG

SITE SYSTEMS

- NEW EXISTING
- W--- WATER LINE
- SAN--- SANITARY SEWER
- STM--- STORM SEWER
- FM--- FORCE MAIN
- F--- FIRE MAIN
- S--- SHUTOFF VALVE
- MH ○ MH MANHOLE
- FH ○ FH FIRE HYDRANT
- CBINL □ CBINL CATCH BASIN OR INLET
- CI □ CI CURB INLET
- PIV--- POST INDICATOR VALVE

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ISSUANCES

No.	Description	Date
1	BP-02 FOR REVIEW	11/15/23
2	BP-02 FOR BID & PERMIT	12/13/23
3	BP-06	04/19/24

Drawn By
JAK

Checked By
GAH

Client Number
514

Project Number
6926

PRELIMINARY DRAWING ONLY

NOT TO BE USED FOR CONSTRUCTION

Project Number
6926

DRAWING TITLE

SITE UTILITY SYMBOLS AND ABBREVIATIONS

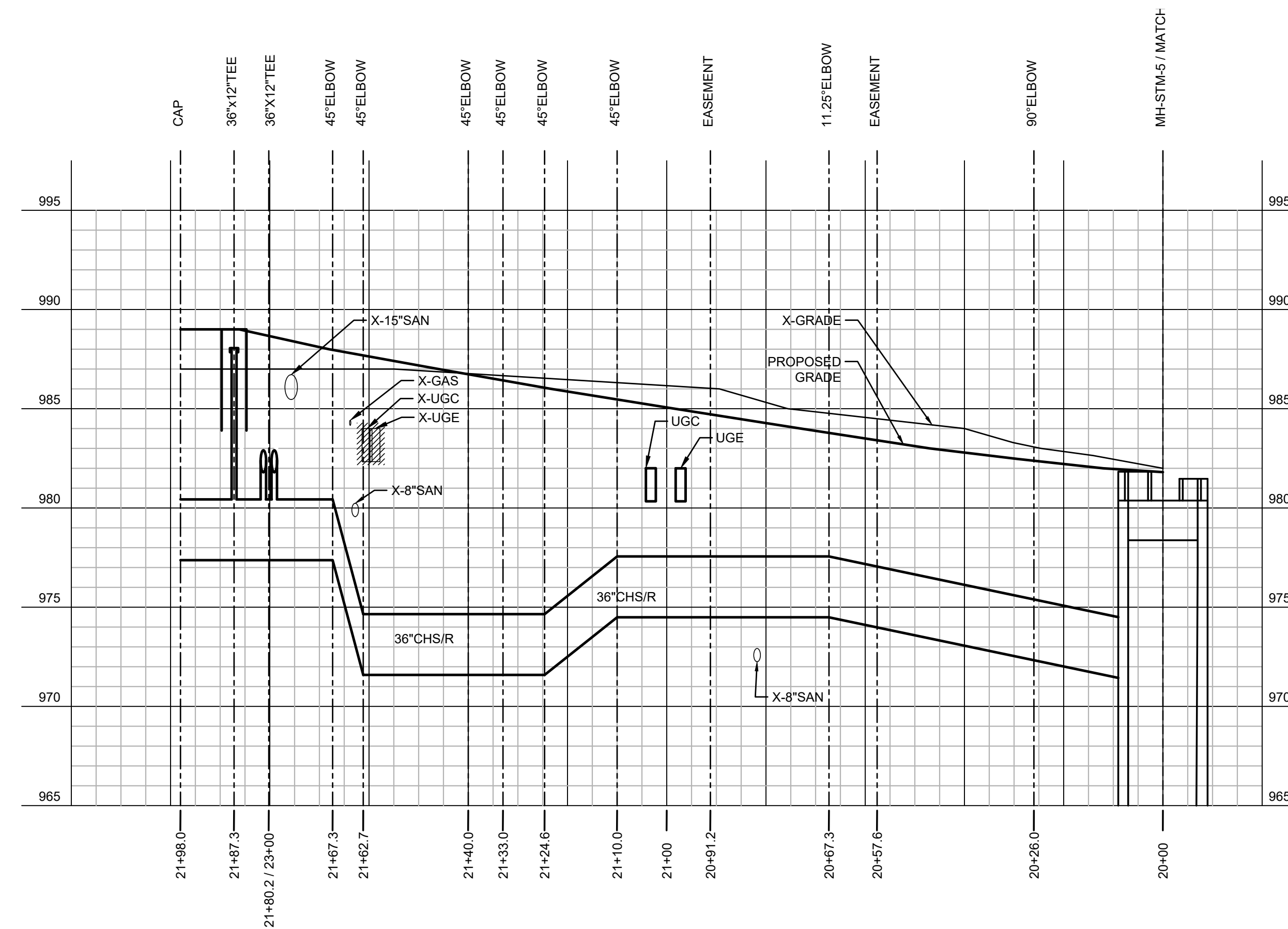
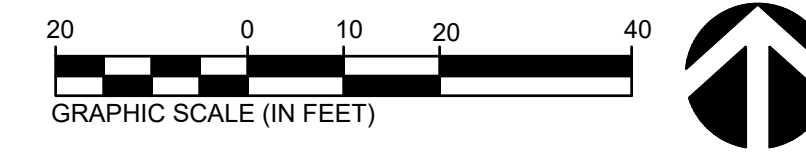
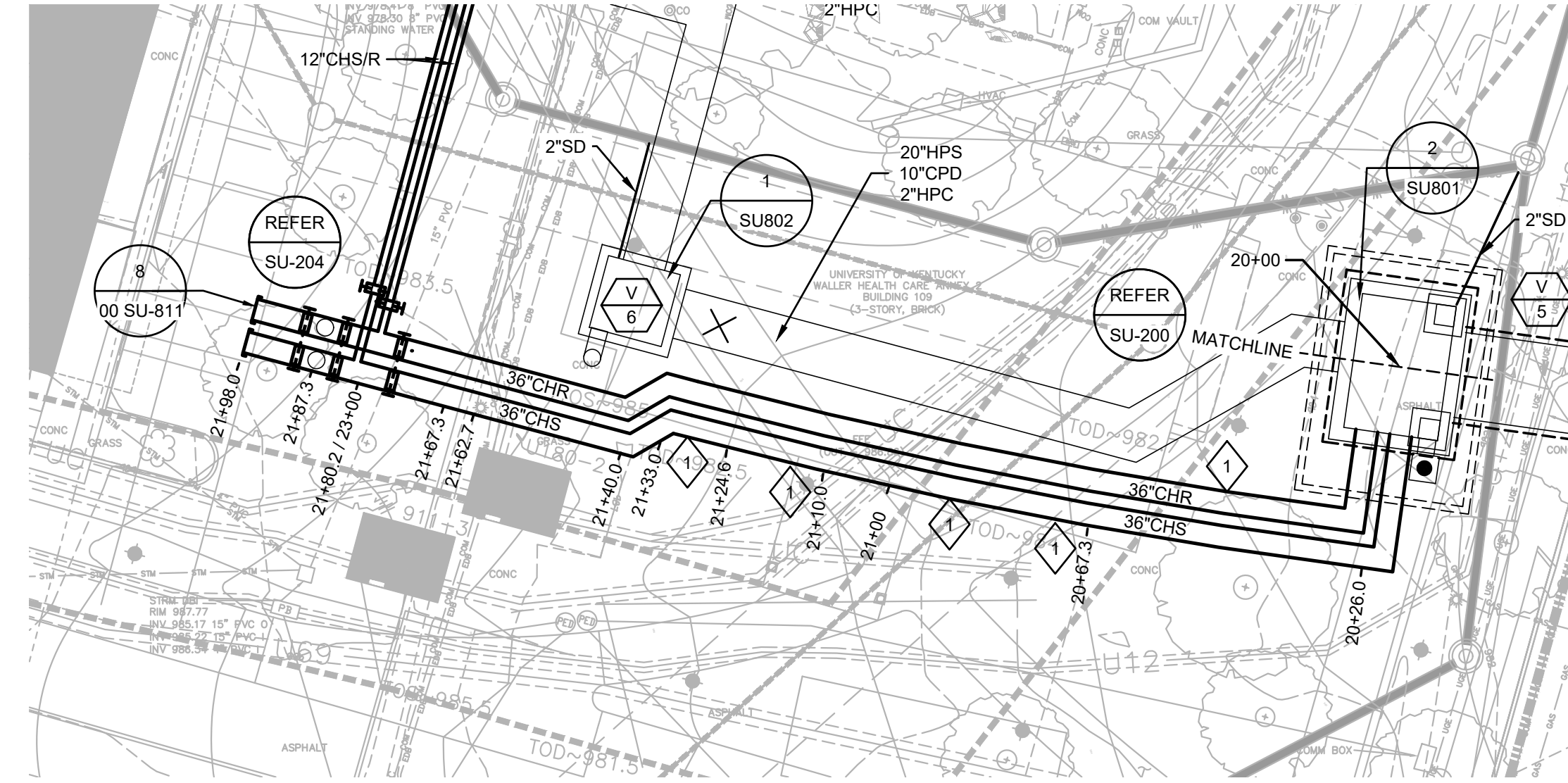
SHEET NO.

SU001

- GENERAL NOTES:**
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 - UNLESS OTHERWISE NOTED, ALL EXISTING UTILITIES SHALL BE PROTECTED AND SUPPORTED/SHORED DURING CONSTRUCTION.
 - SUBSURFACE CONDITIONS MAY VARY BETWEEN EXPLORATION LOCATIONS. GROUND WATER LEVELS INDICATED ON BORING PROFILES WERE MEASURED DURING DRILLING AND DO NOT REPRESENT STABILIZED GROUND WATER READINGS. REFER TO GEOLOGICAL REPORTS IN THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SHEET KEYNOTES:

1 UTILIZE PIPE DEFLECTION TO ACHIEVE REQUIRED CHANGE IN DIRECTION.



1 CHILLED WATER - PARTIAL PLAN AND PROFILE
 SCALE: 1" = 20'-0" HORIZONTAL
 1" = 5'-0" VERTICAL
 1" = 20'-0" SITE

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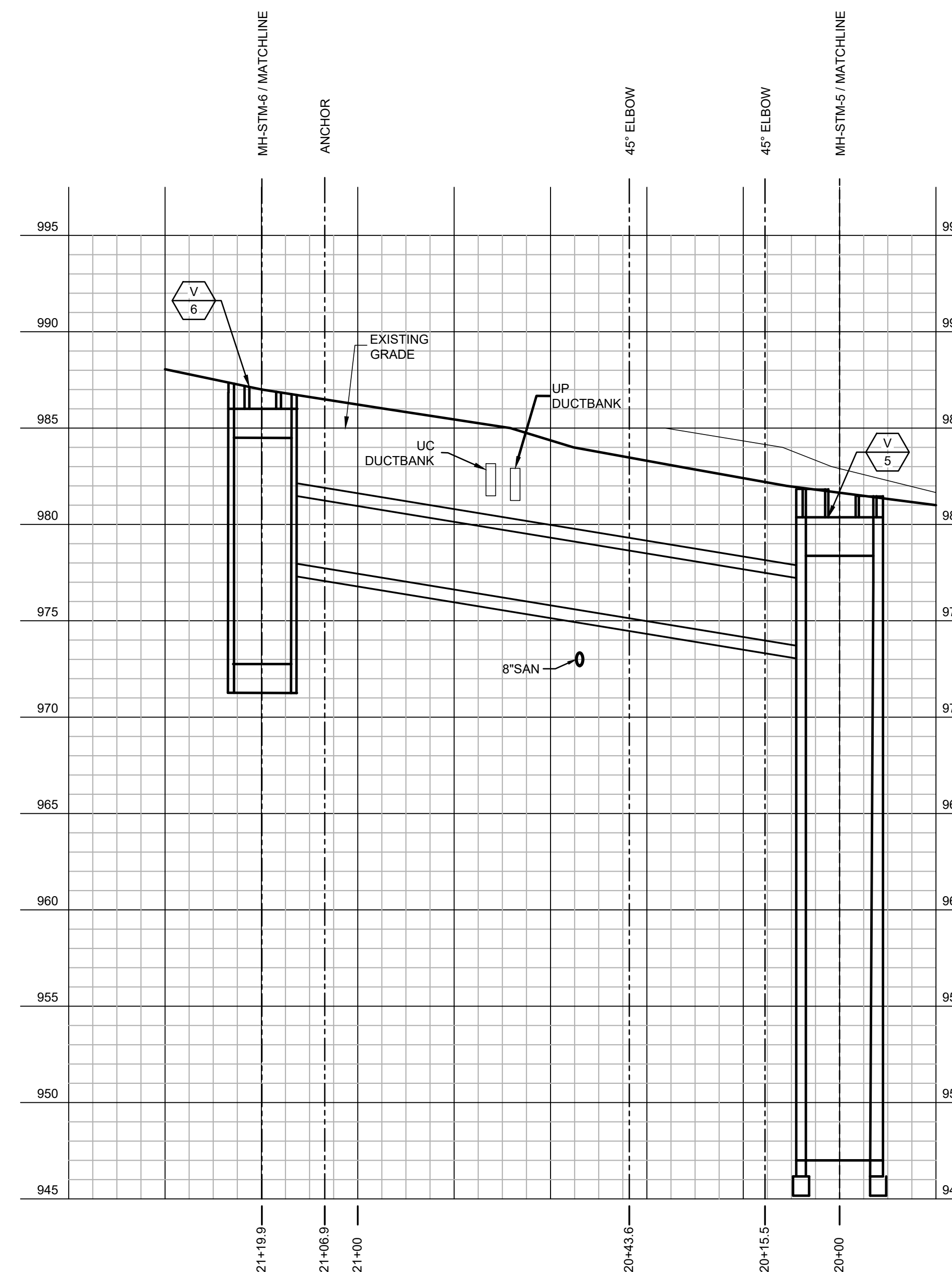
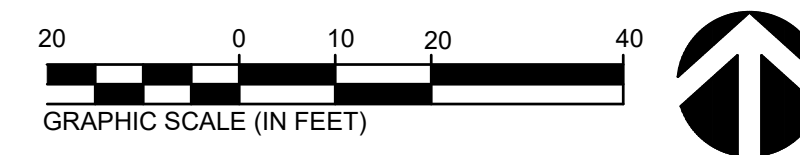
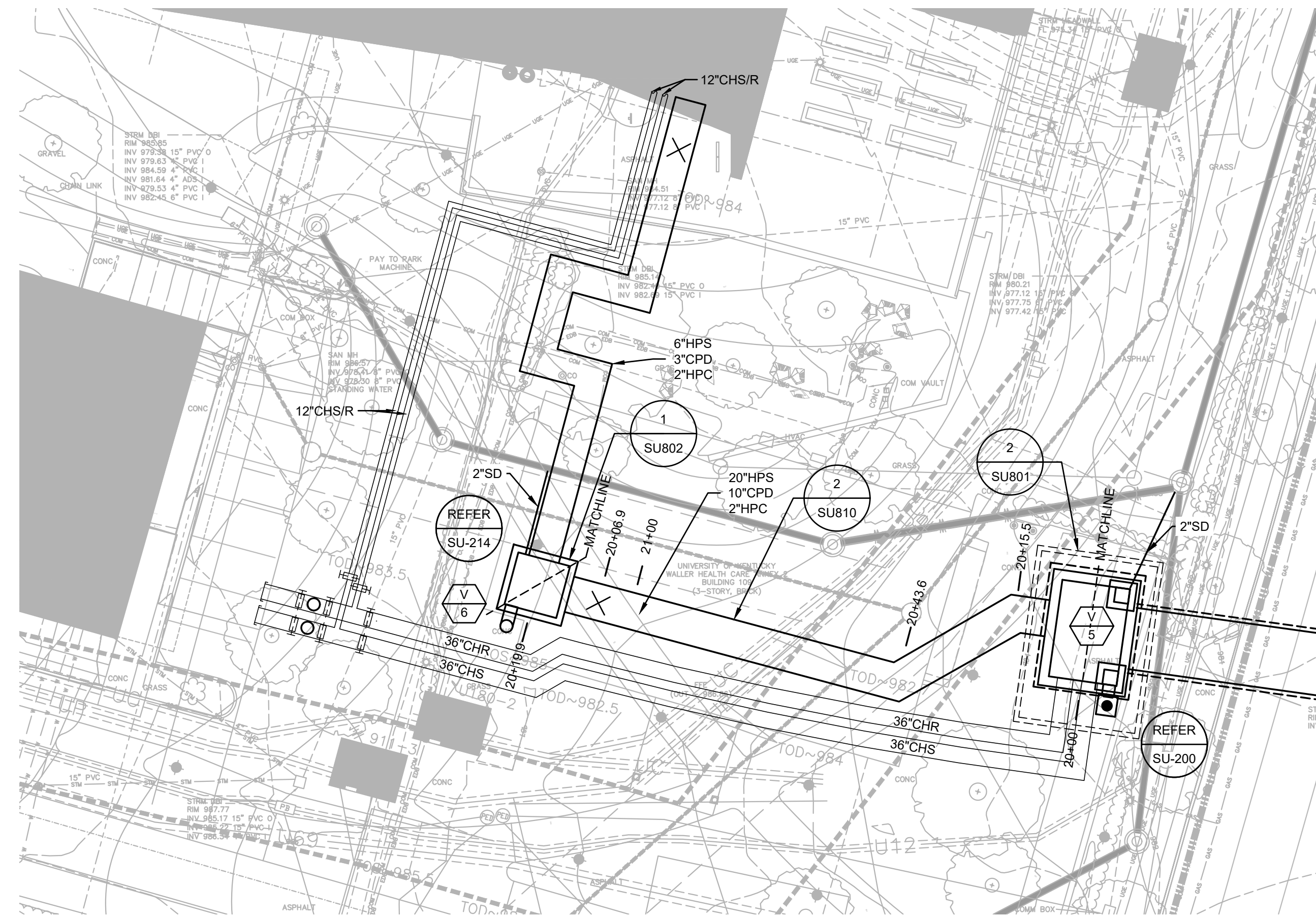
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Checked By GAH	
Client Number 514	NOT TO BE USED FOR CONSTRUCTION
Project Number 6926	

DRAWING TITLE
 CHILLED WATER - PARTIAL PLAN AND PROFILE

SHEET NO.
SU203



1 HPS, HPC, CPD - PARTIAL PLAN AND PROFILE
 SCALE: 1" = 20'-0" HORIZONTAL
 1" = 5'-0" VERTICAL
 1" = 20'-0" SITE

- GENERAL NOTES:**
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 - SURFACE CONDITIONS MAY VARY BETWEEN EXPLORATION LOCATIONS. GROUND WATER LEVELS INDICATED ON BORING PROFILES WERE MEASURED DURING DRILLING AND DO NOT REPRESENT STABILIZED GROUND WATER READINGS. REFER TO GEOLOGICAL REPORTS IN THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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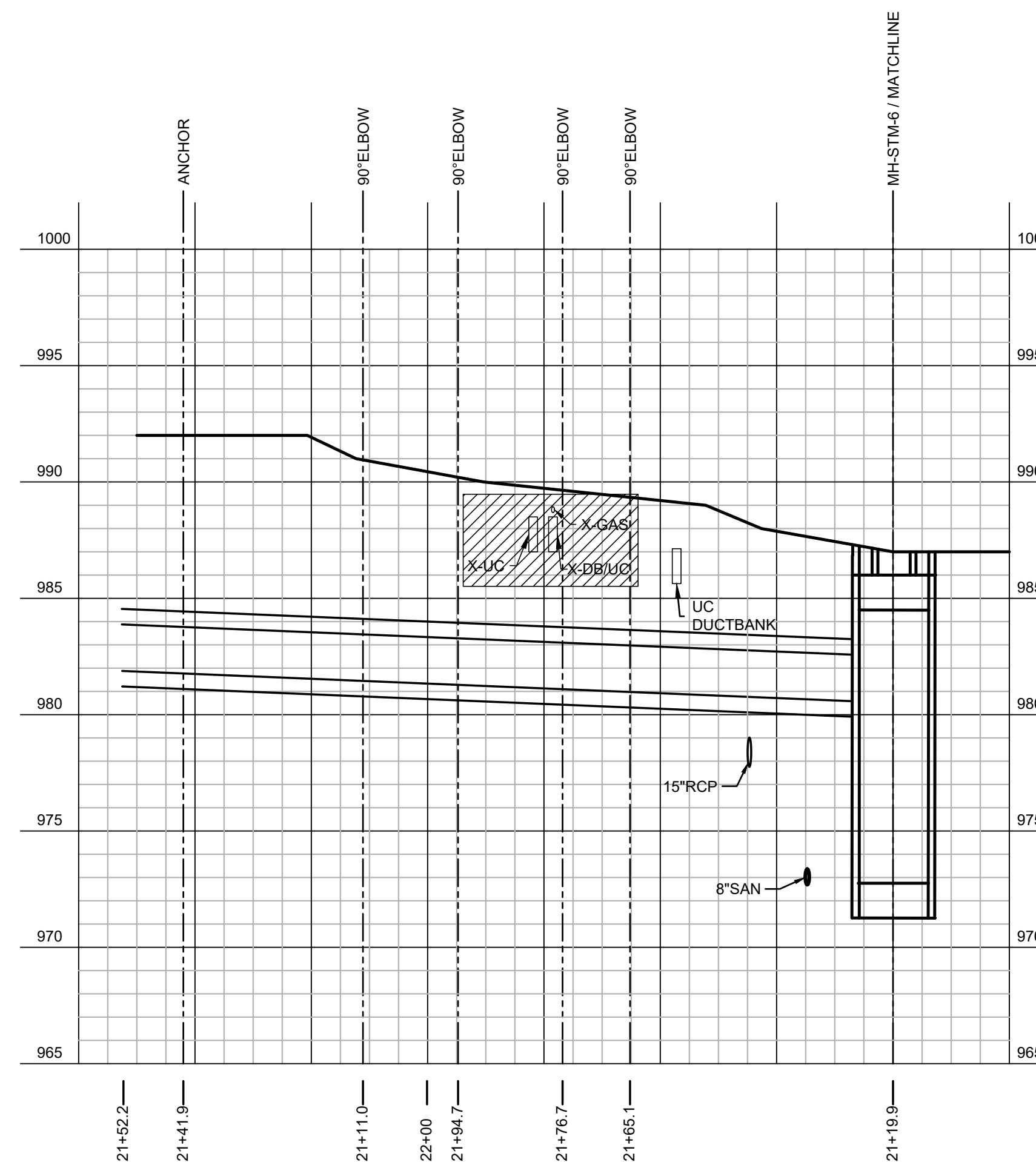
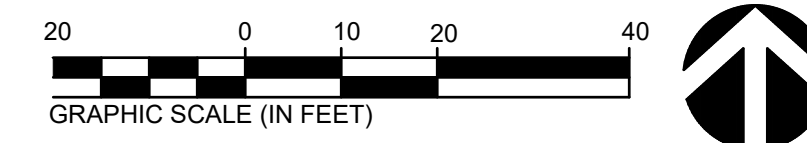
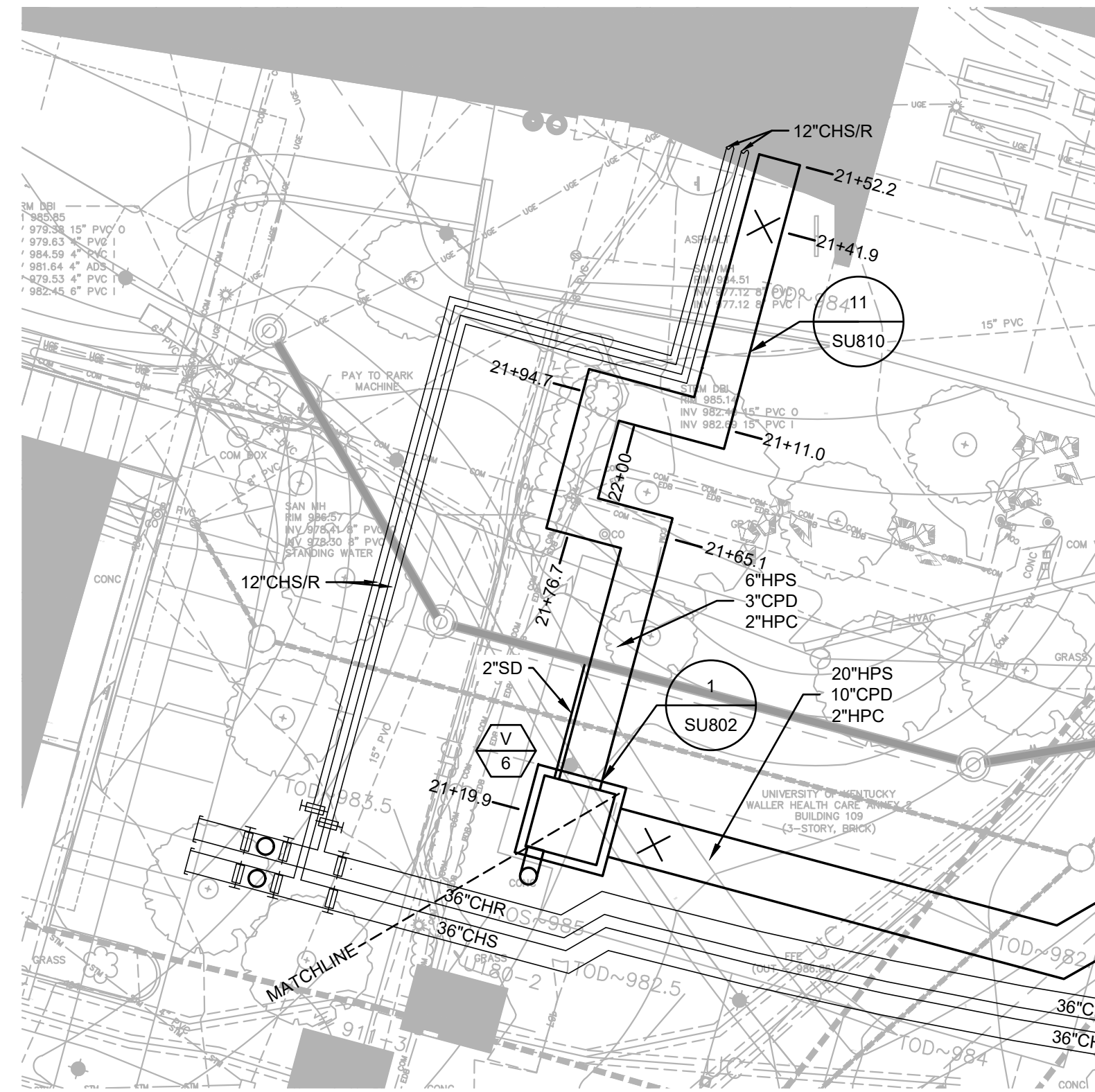
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Project Number 6926	

DRAWING TITLE
 HPS, HPC, CPD - PARTIAL PLAN AND PROFILE

SHEET NO.
SU213



1 HPS, HPC, CPD - PARTIAL PLAN AND PROFILE
 SCALE: 1" = 20'-0" HORIZONTAL
 1" = 5'-0" VERTICAL
 1" = 20'-0" SITE

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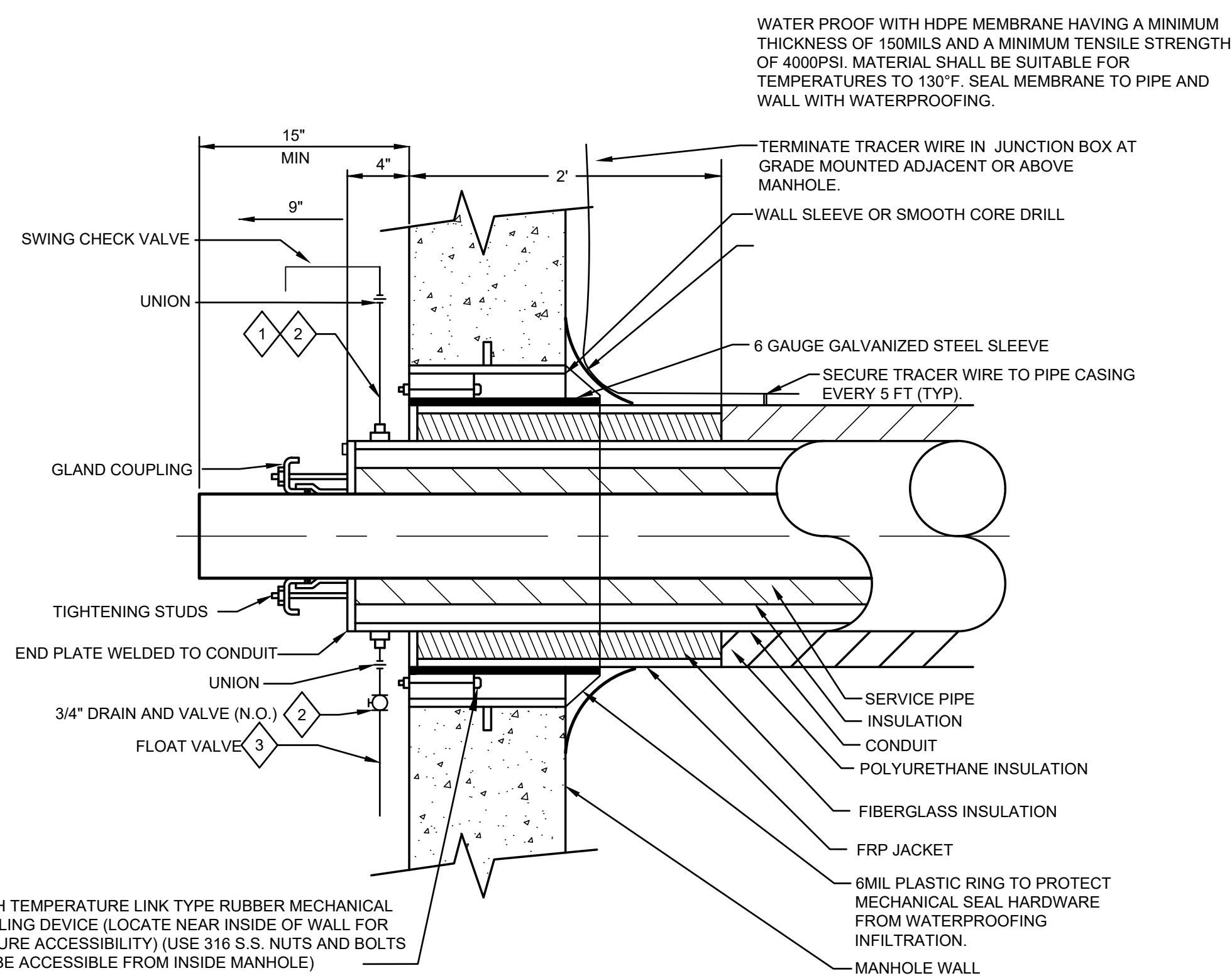
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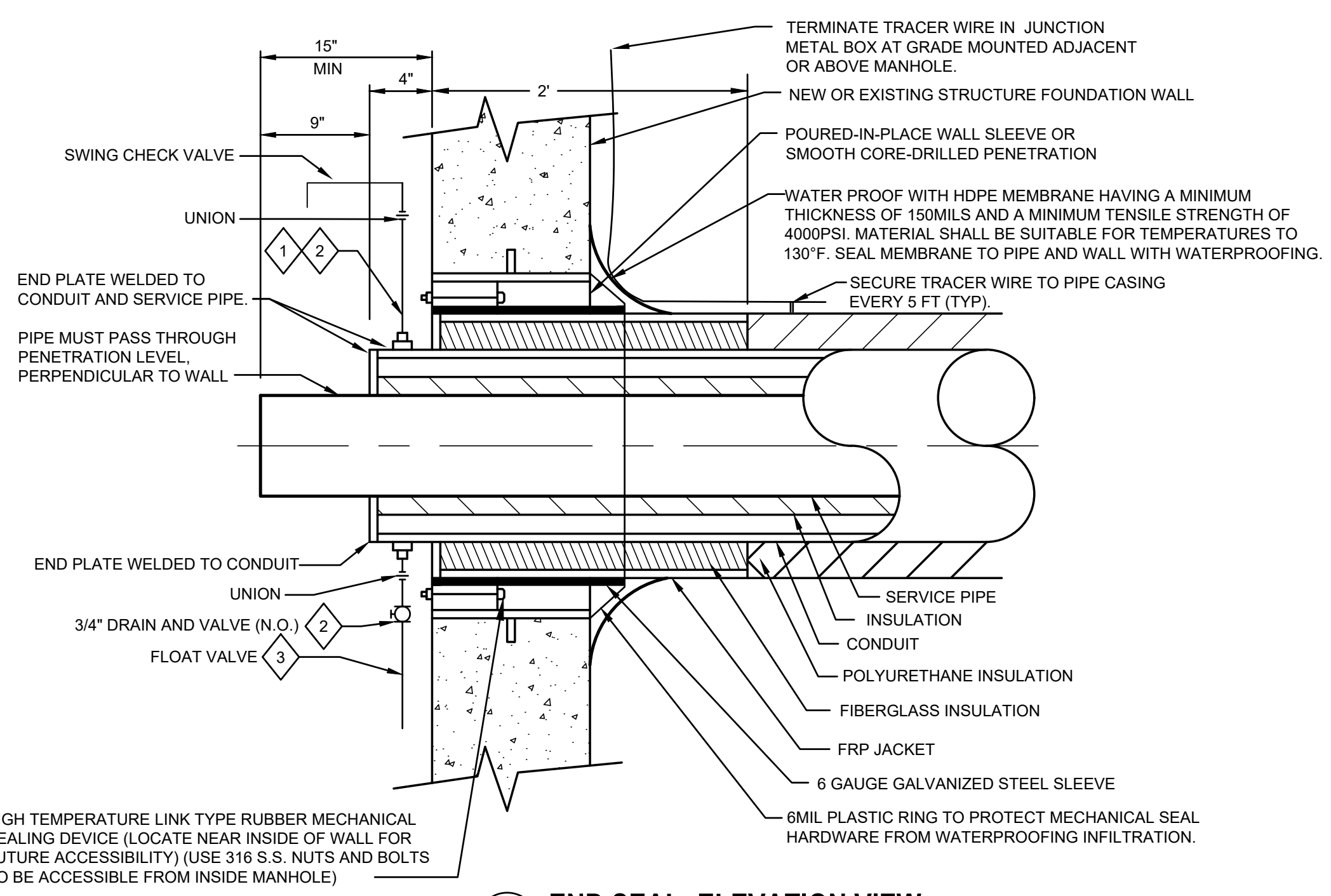
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DRAWING TITLE
HPS, HPC, CPD - PARTIAL PLAN AND PROFILE

SHEET NO.
SU214



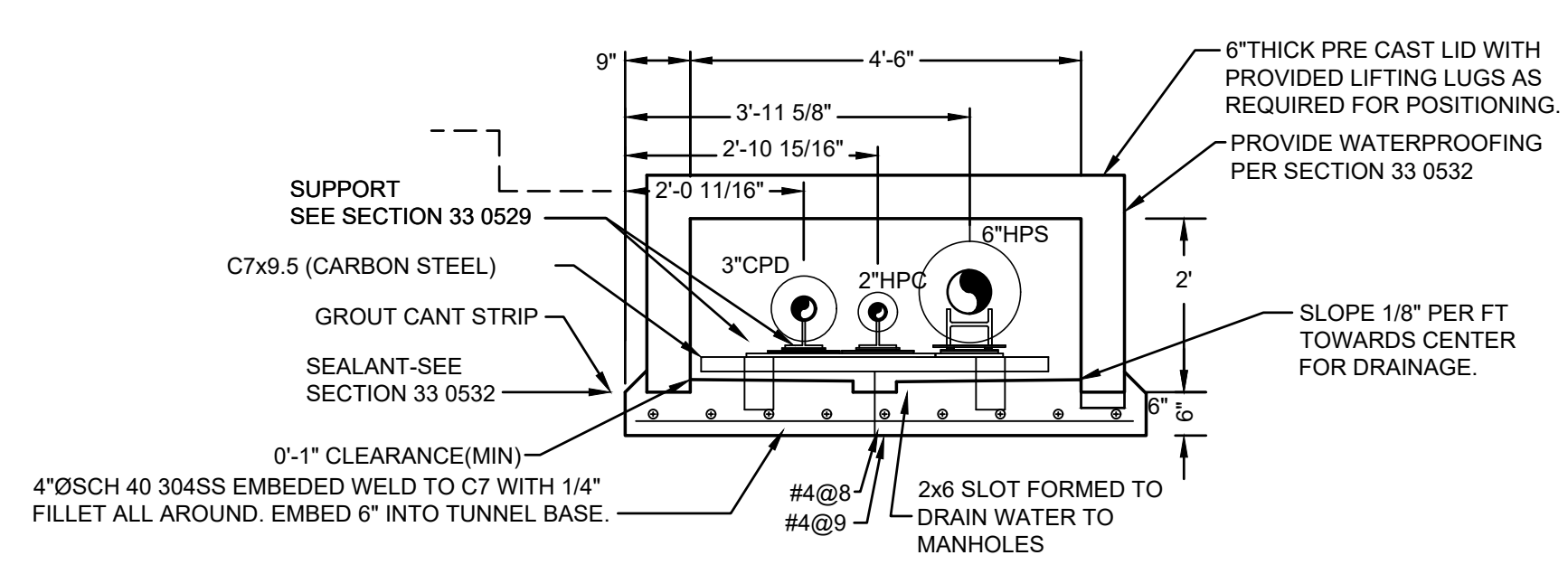
A GLAND SEAL: ELEVATION VIEW
SCALE: NOT TO SCALE



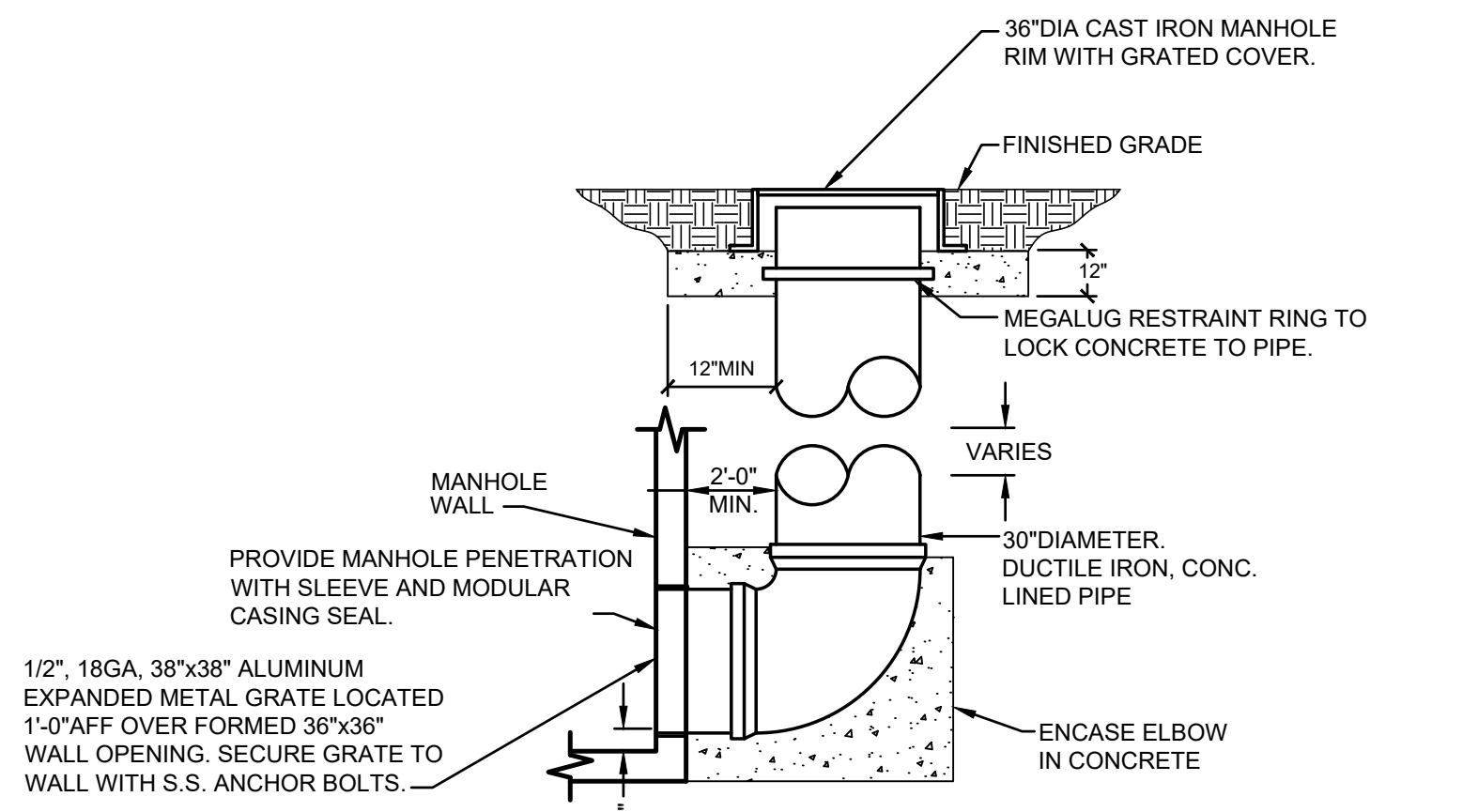
B END SEAL: ELEVATION VIEW
SCALE: NOT TO SCALE

- 1 INSTALL VENT WITHIN 12\"/>

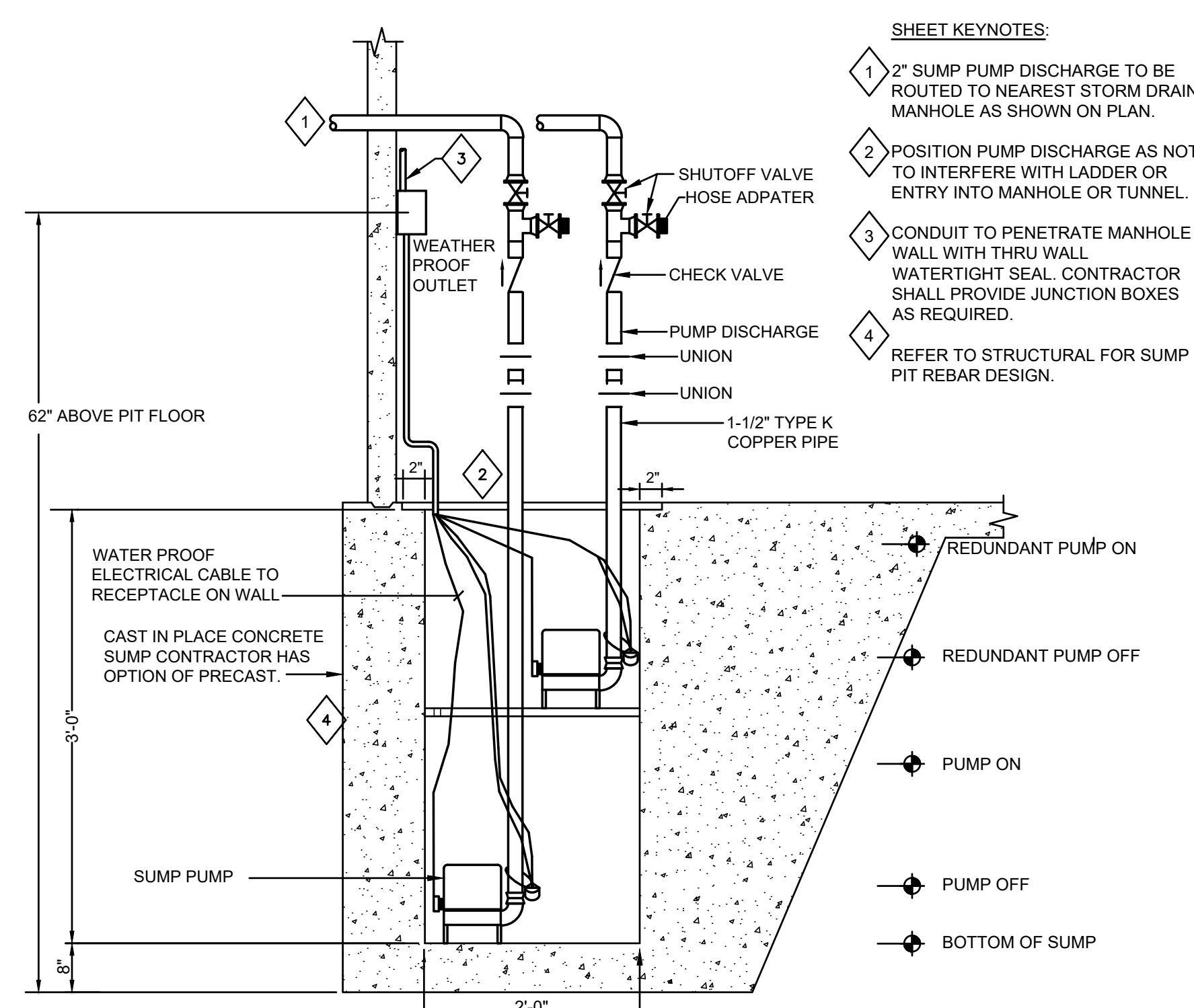
10 STEAM MANHOLE WALL PENETRATION DETAIL - DIRECT BURIED PIPE
SCALE: NOT TO SCALE



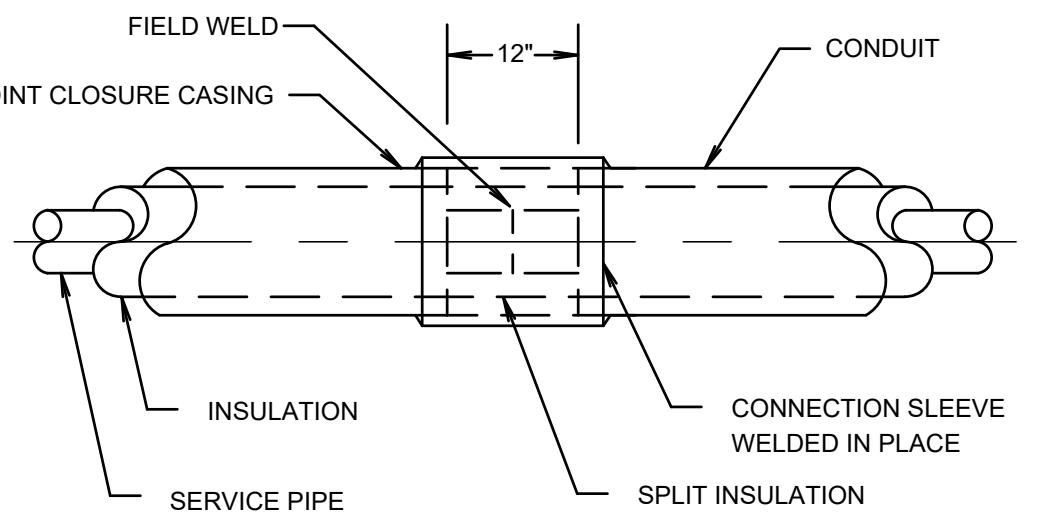
11 INACCESSIBLE STEAM TUNNEL DETAIL- PIPING OFFSET AT LOOP
SCALE: NOT TO SCALE



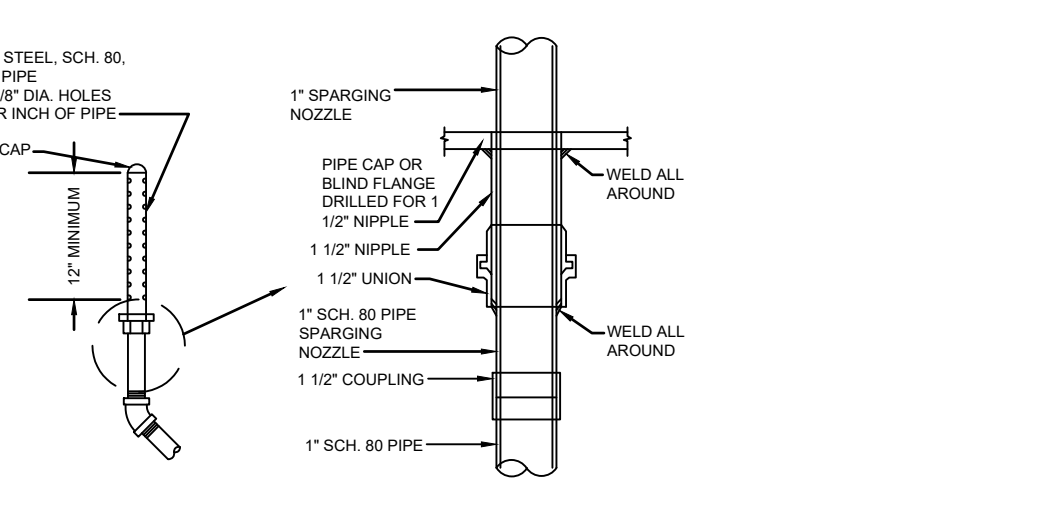
6 MANHOLE VENT DETAIL
SCALE: NOT TO SCALE



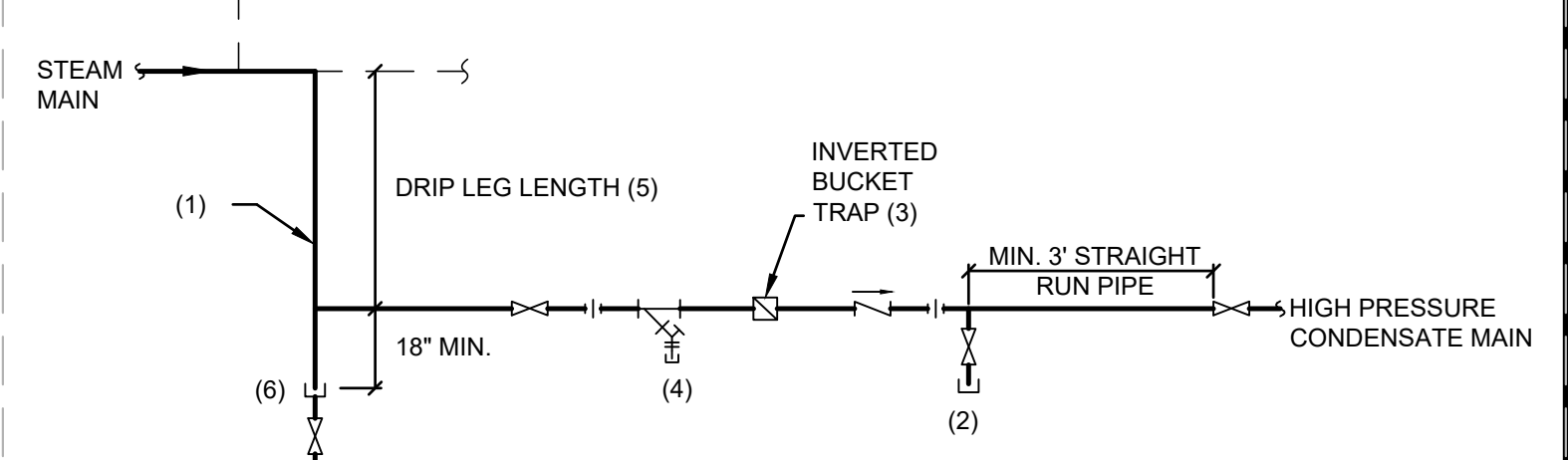
7 SUMP PUMP DETAIL
SCALE: NOT TO SCALE



8 FIELD JOINT DETAIL
SCALE: NOT TO SCALE

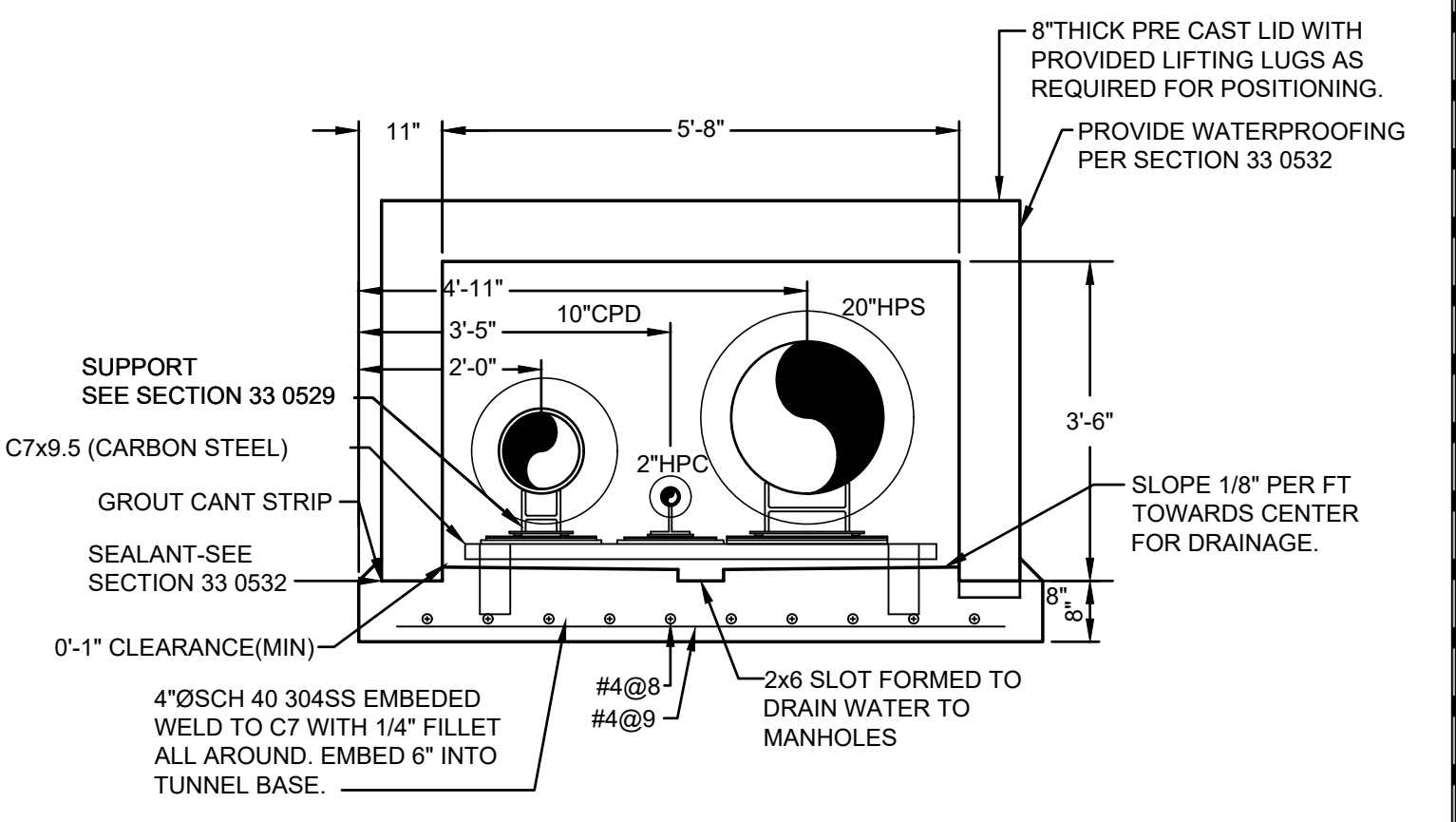


9 SPARGING NOZZLE CONSTRUCTION DETAIL
SCALE: NOT TO SCALE

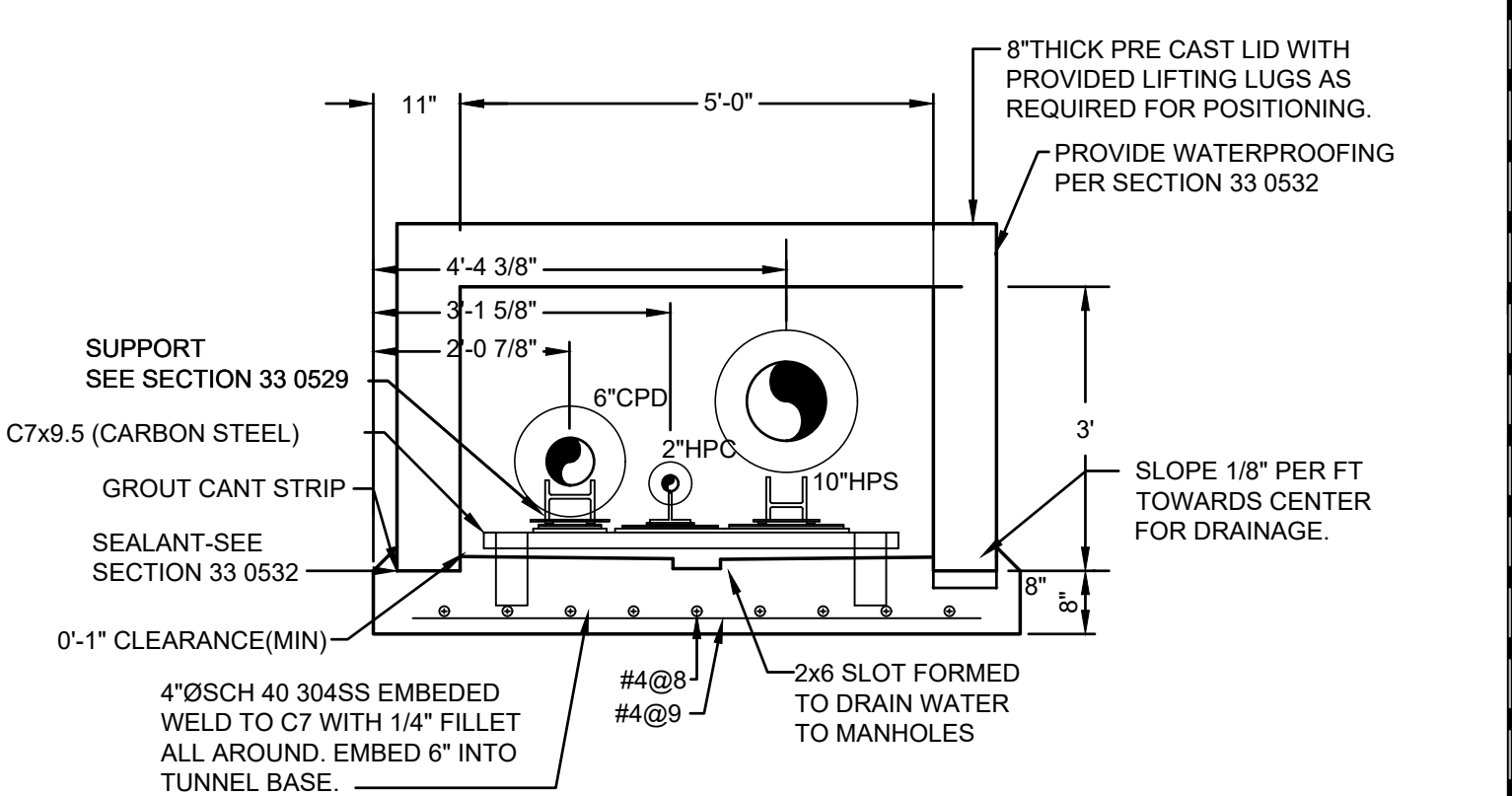


- NOTES:**
- 1 DRIP LEG TO BE SAME DIAMETER AS MAIN THROUGH 4\"/>

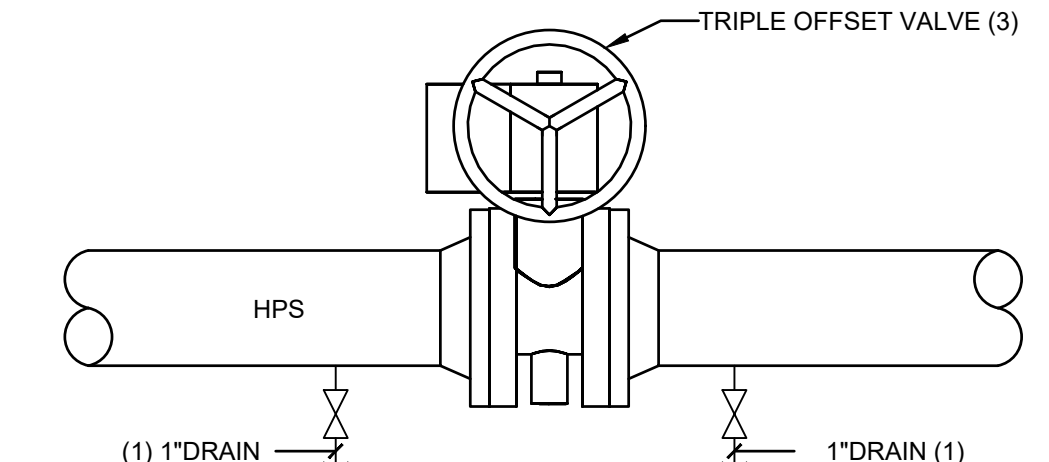
1 STEAM MAIN DRIP, END OF MAIN DRIP OR RISER DRIP
SCALE: NOT TO SCALE



2 INACCESSIBLE STEAM TUNNEL DETAIL
SCALE: NOT TO SCALE

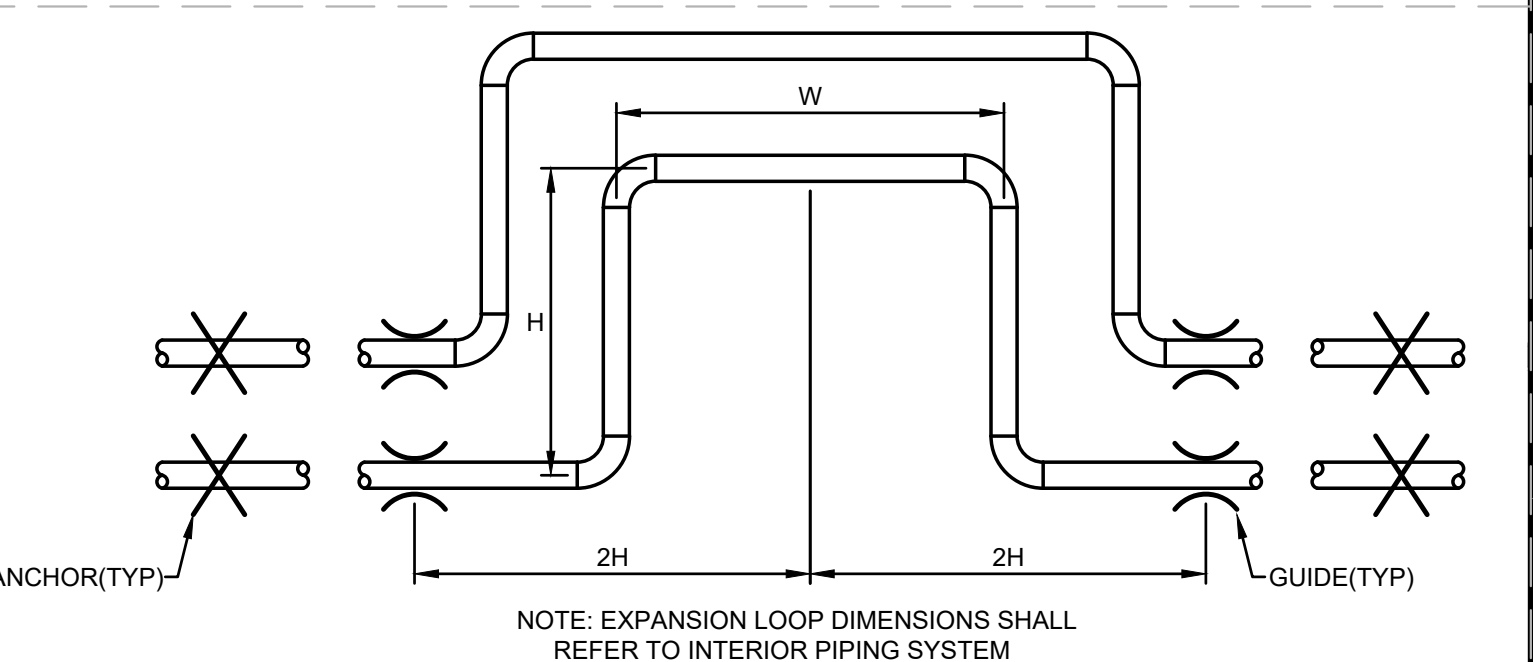


3 INACCESSIBLE STEAM TUNNEL DETAIL
SCALE: NOT TO SCALE



- NOTES:**
- 1 INSTALL 1\"/>

4 TYPICAL HPS/CPD VALVE INSTALLATION
SCALE: NOT TO SCALE



MARK	H	W
1	25'-0"	10'-0"
2	25'-0"	10'-0"

5 EXPANSION LOOP
SCALE: NOT TO SCALE

CHAMPLIN ARCHITECTURE
2333 Alexandria Drive
Lexington, KY 40504
T 859.331.5995
thinkchamplin.com
THINK CREATE REALIZE

HGA
420 North 5th Street, Suite 100
Minneapolis, Minnesota 55401
Telephone 612.758.4000

THP
Affiliated Engineers

CMTA

OLIN

CARMAN LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING

WALSH CONSULTING GROUP

bell engineering

CDM Smith

PIVOTAL lighting design

UK HEALTHCARE

Cancer Treatment Center + Advanced Ambulatory Center
LEXINGTON, KENTUCKY
UK Project Number 2563.0

ISSUANCES		
No.	Description	Date
1	BP-02 FOR REVIEW	11/15/23
2	BP-02 FOR BID & PERMIT	12/13/23
3	BP-06	04/10/24

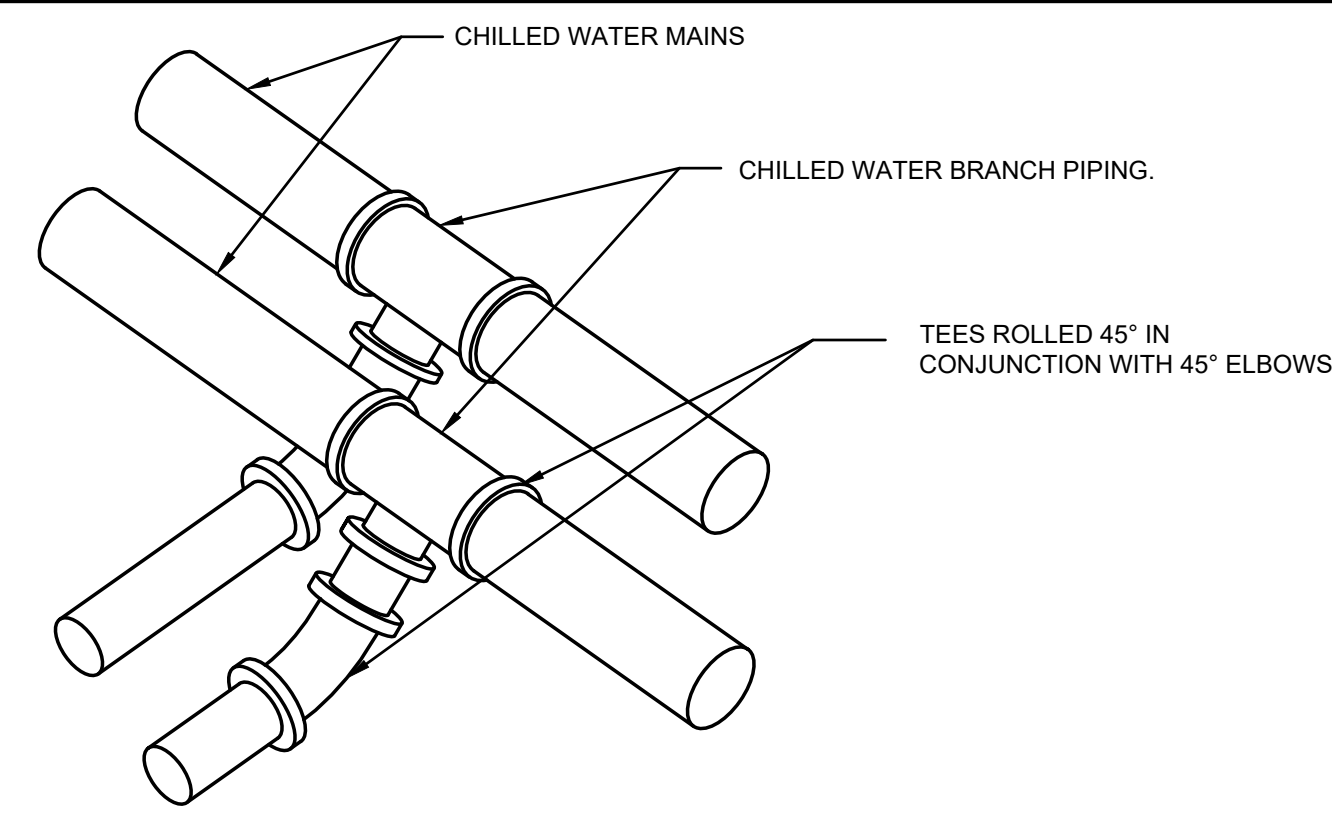
Drawn By	JBG	PRELIMINARY DRAWING ONLY
Checked By	GAH	
Client Number	514	NOT TO BE USED FOR CONSTRUCTION
Project Number	6926	

DRAWING TITLE
SITE UTILITY DETAILS

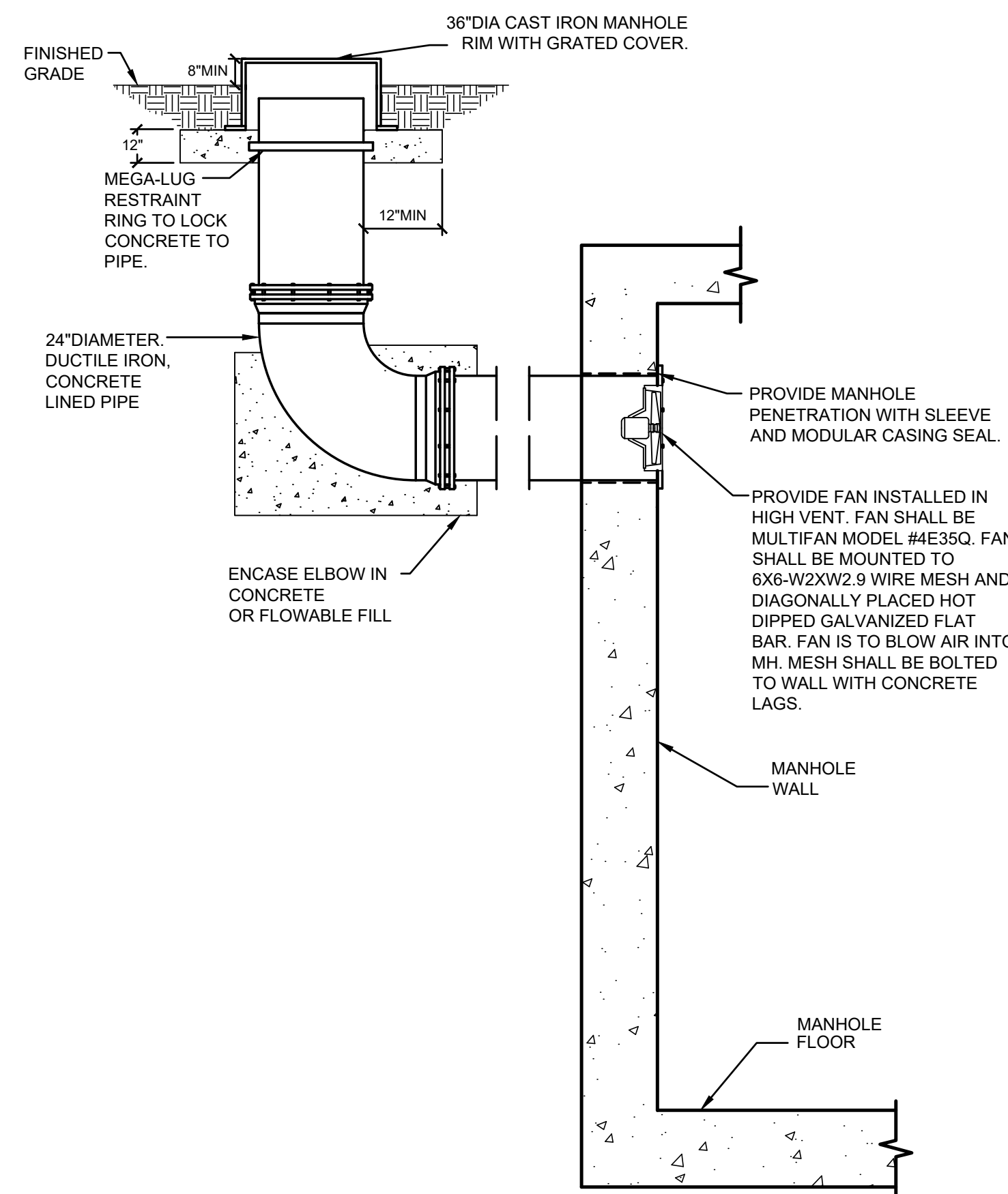
SHEET NO.
SU810

Author: 10/19/2023 8:38:39 AM Autodesk Docs://51449235 - UKHC Cancer Treatment & Advanced Ambulatory Center/25-UKHC-SHELLORE-2449203.rvt

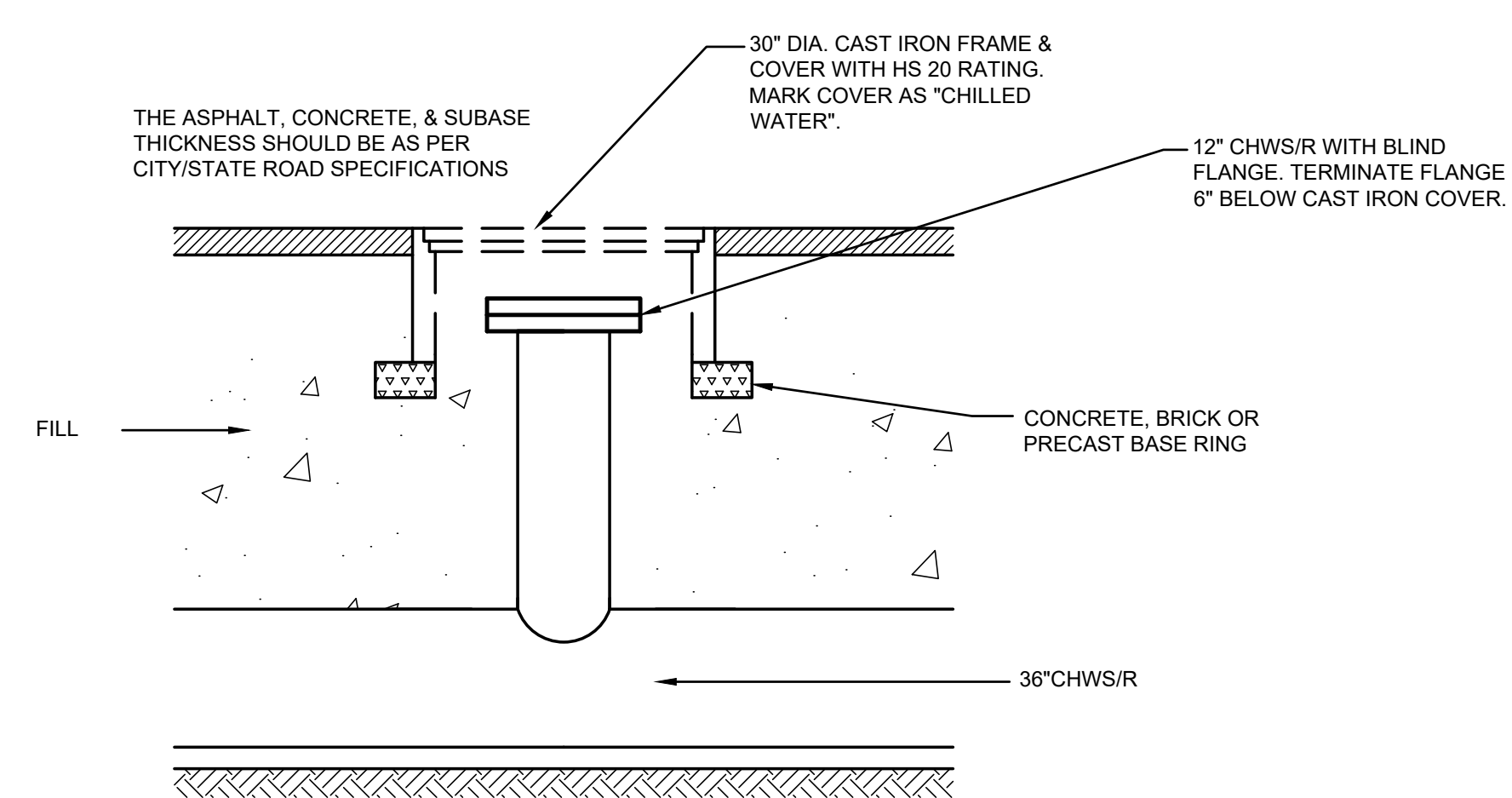
10/19/2023 8:36:39 AM



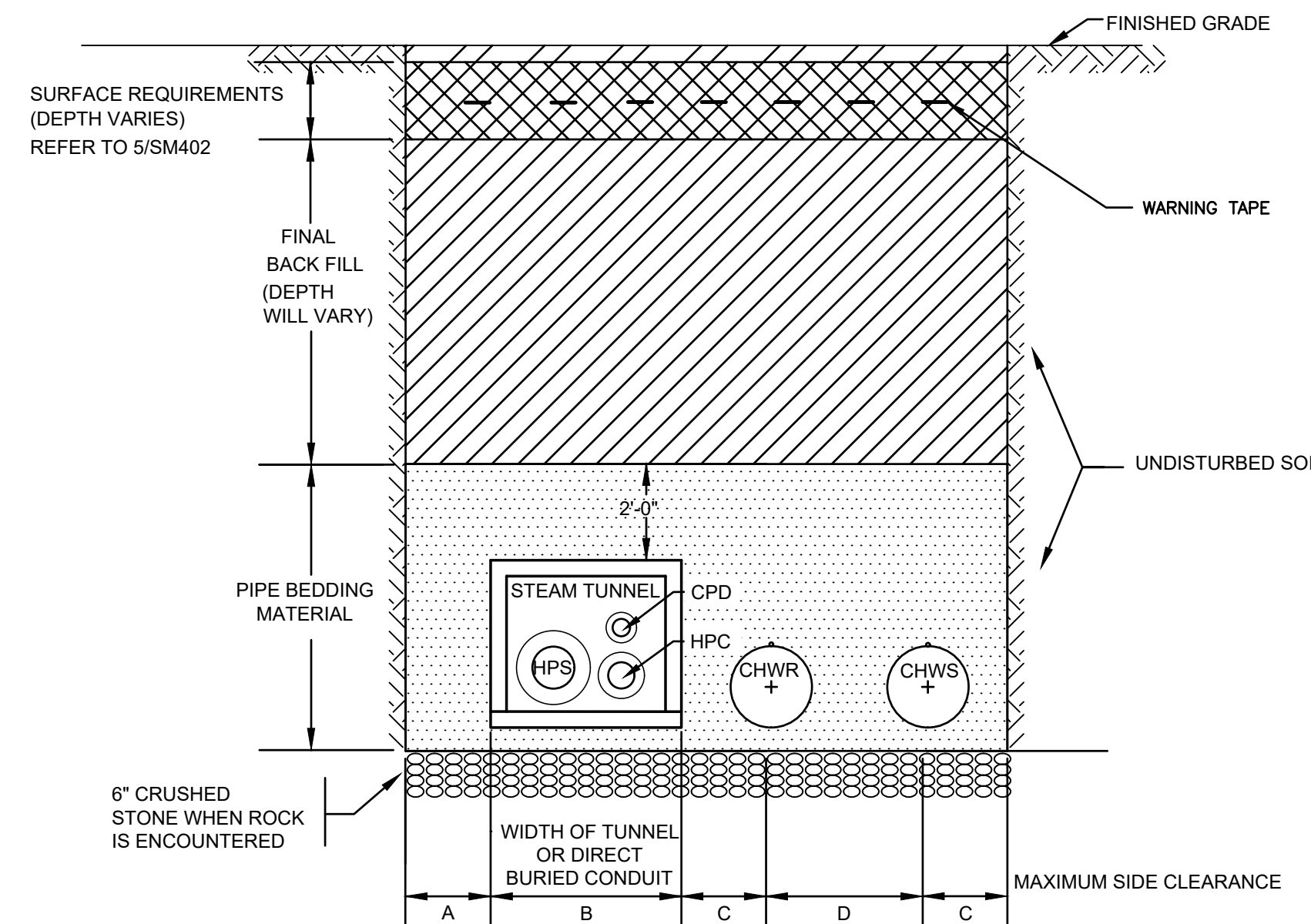
6 BRANCH CONNECTION - BOTTOM TAKEOFF
SCALE: NOT TO SCALE



7 MANHOLE FORCE VENT DETAIL
SCALE: NOT TO SCALE



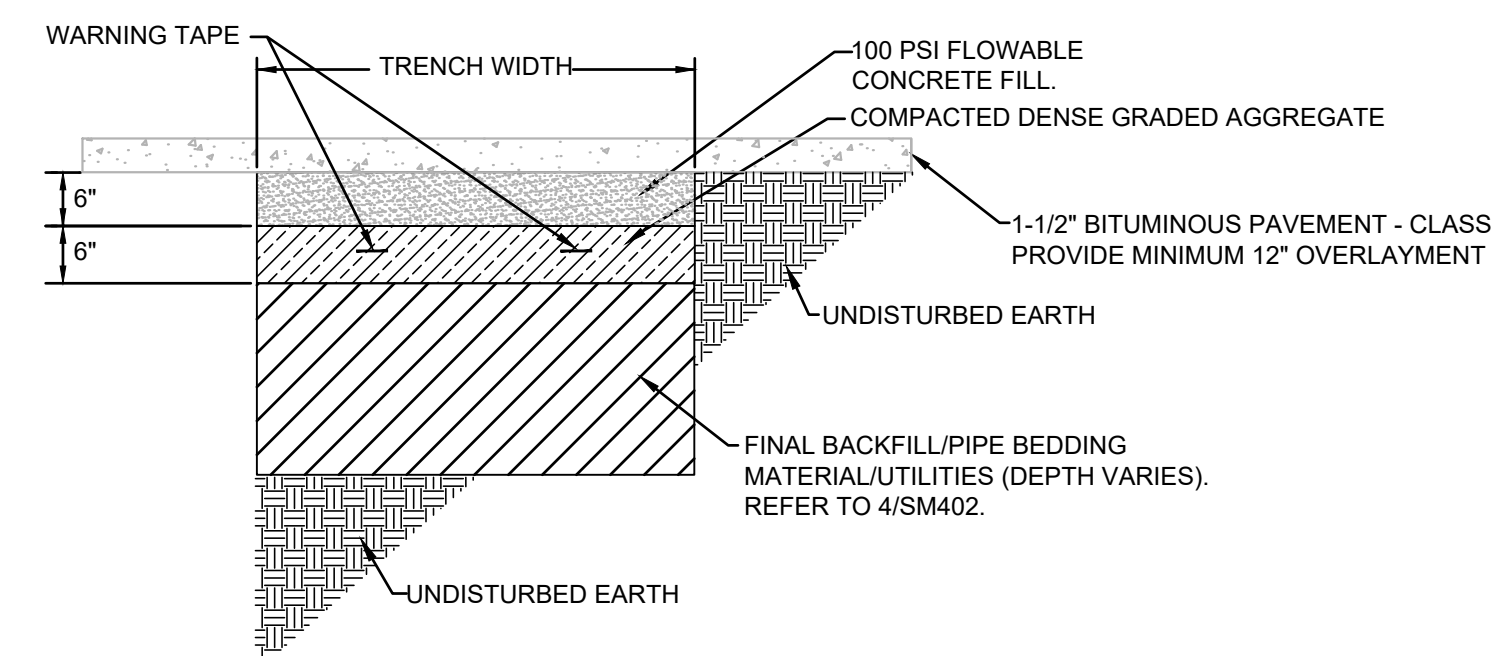
8 CHILLED WATER TEMPORARY CONNECTION
SCALE: NOT TO SCALE



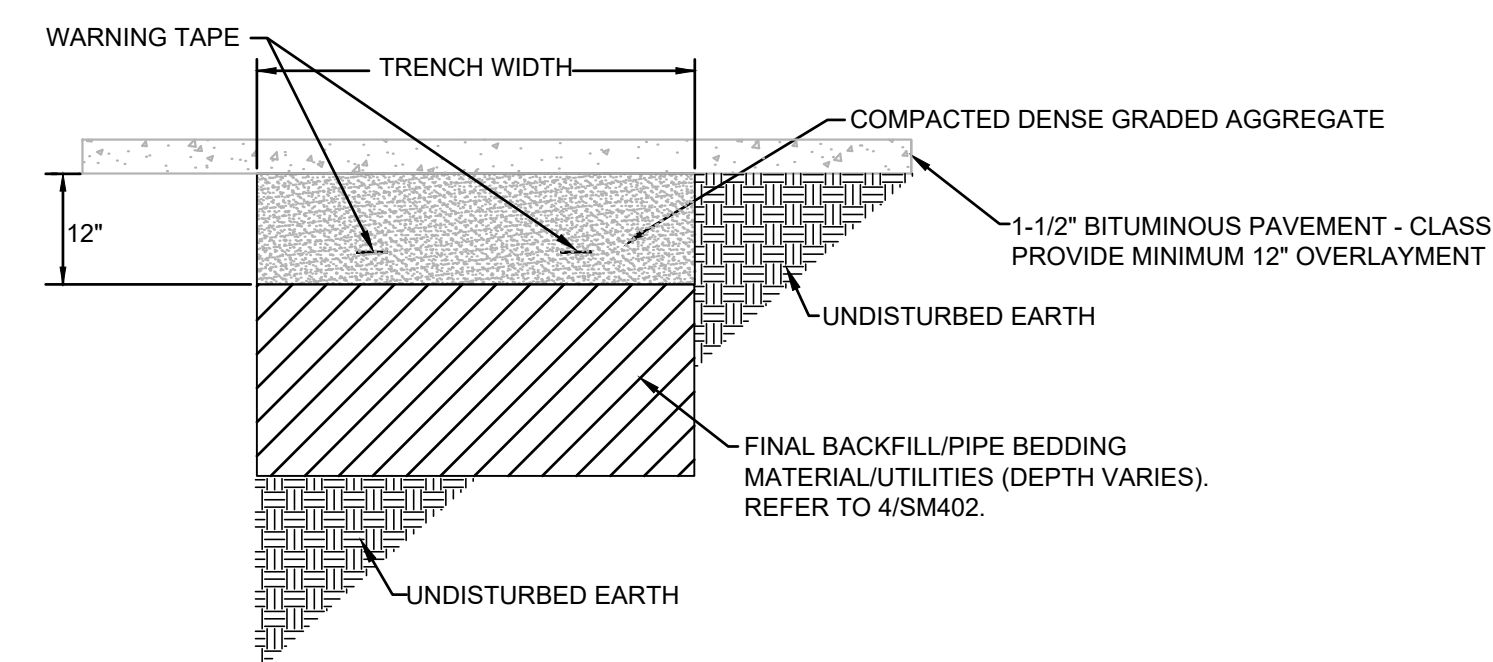
TUNNEL LOCATION	HPS	HPC	CPD	CHWS/R	A	B	C	D
WEST OF LIMESTONE	20"	2"	10"	36"	24"	84 1/2"	42"	60"
EAST OF LIMESTONE	10"	2"	6"	20"	24"	72 7/8"	24 13/16"	36 11/16"
CTC UTILITIES	6"	2"	3"	12"	24"	66 7/8"	24"	24 9/16"

- NOTES:**
- FOR TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
 - NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACK FILL.
 - TRACER WIRE INSTALLED DIRECTLY ON TOP OF CHILLED WATER. SECURE TRACER WIRE TO PIPE.
 - COORDINATE BACKFILL OF STEAM TUNNEL AND CHILLED WATER WITH THE REQUIREMENTS OF THE PRIMARY ELECTRICAL DUCTBANK IN AREAS WHERE DUCTBANK IS PROVIDED BELOW THE STEAM TUNNEL AND CHILLED WATER.

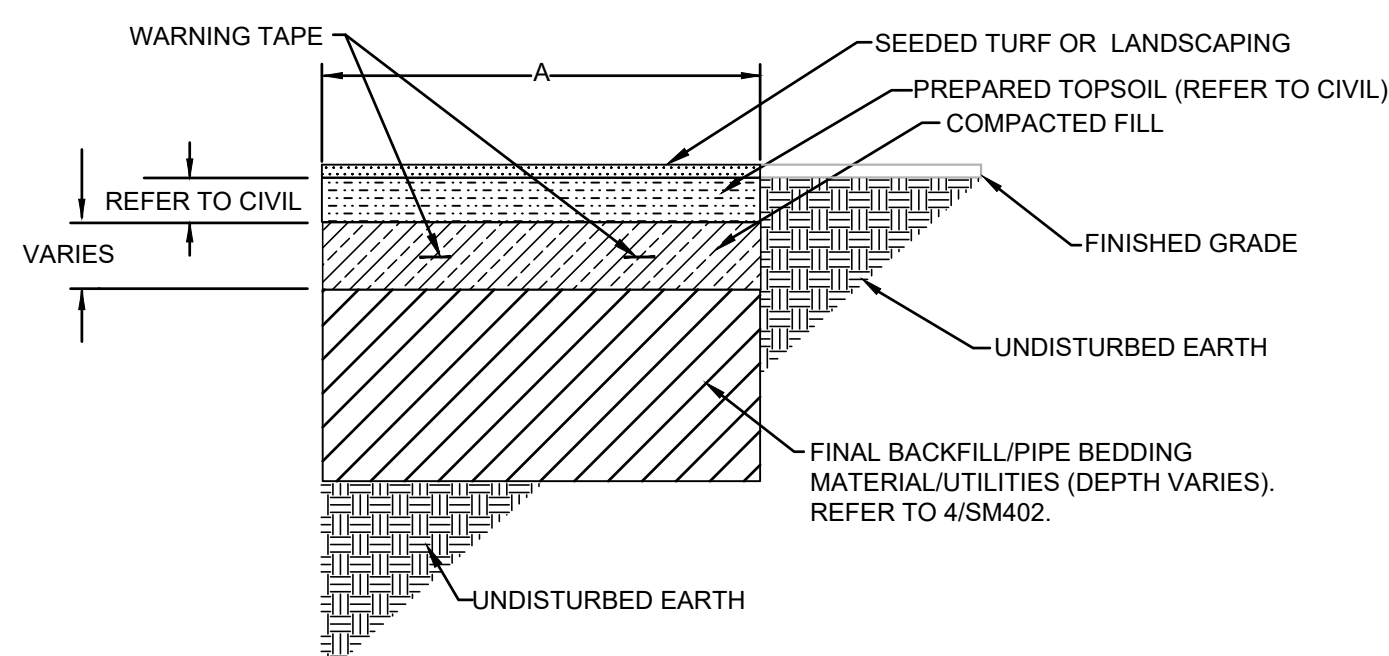
4 TYPICAL UTILITY TRENCH DETAIL
SCALE: NOT TO SCALE



A THRU PAVED AREA (CITY OWNED STREET)
SCALE: NONE



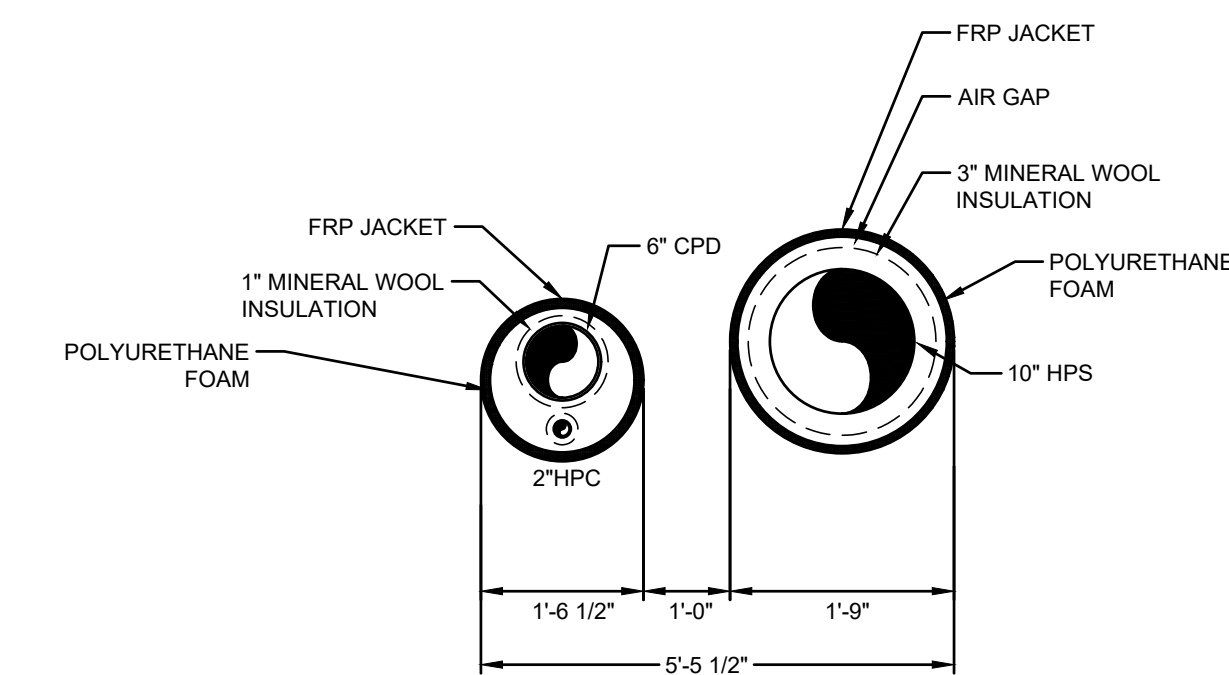
B THRU PAVED AREA (NON-CITY OWNED STREET)
SCALE: NONE



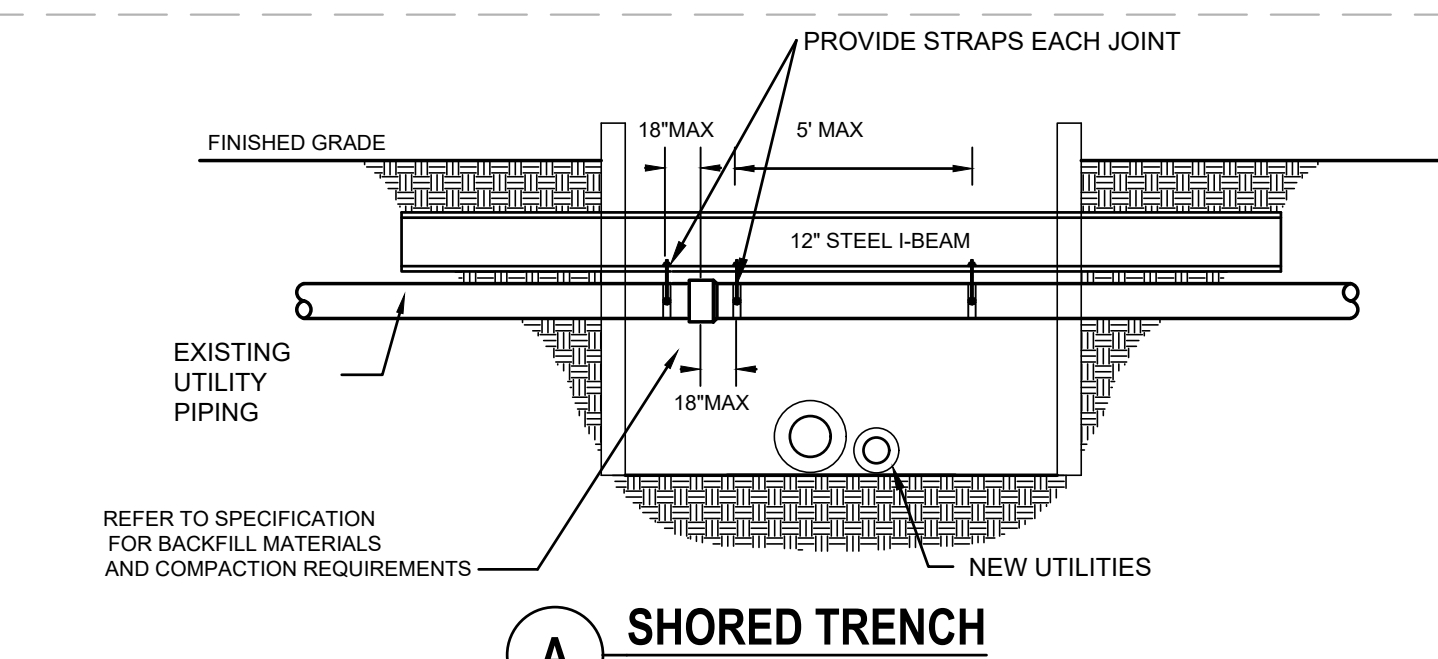
C THRU LANDSCAPED AREA
SCALE: NONE

- NOTES:**
- FOR CITY OWNED ROADS, ASPHALT SURFACE COURSE, SUBBASE, BEDDING, CONCRETE BASE AND OTHER ASPECTS OF ROAD PATCH WORK SHALL MATCH LFUCO STANDARDS.

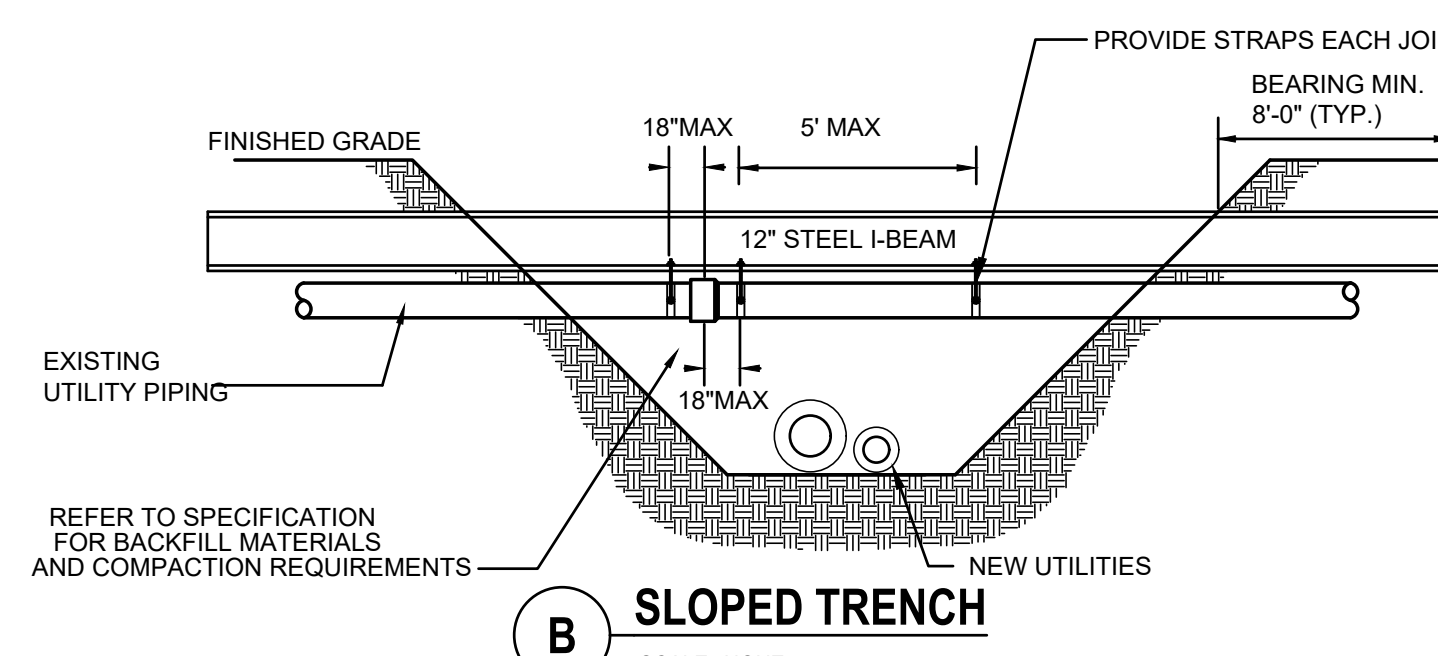
5 UTILITY TRENCH SURFACE REQUIREMENTS
SCALE: NOT TO SCALE



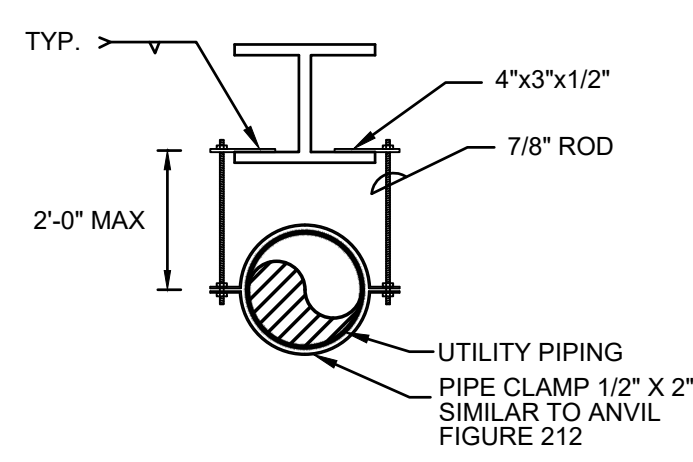
1 DIRECT BURIED STEAM PIPE SECTION
SCALE: NOT TO SCALE



A SHORED TRENCH
SCALE: NONE



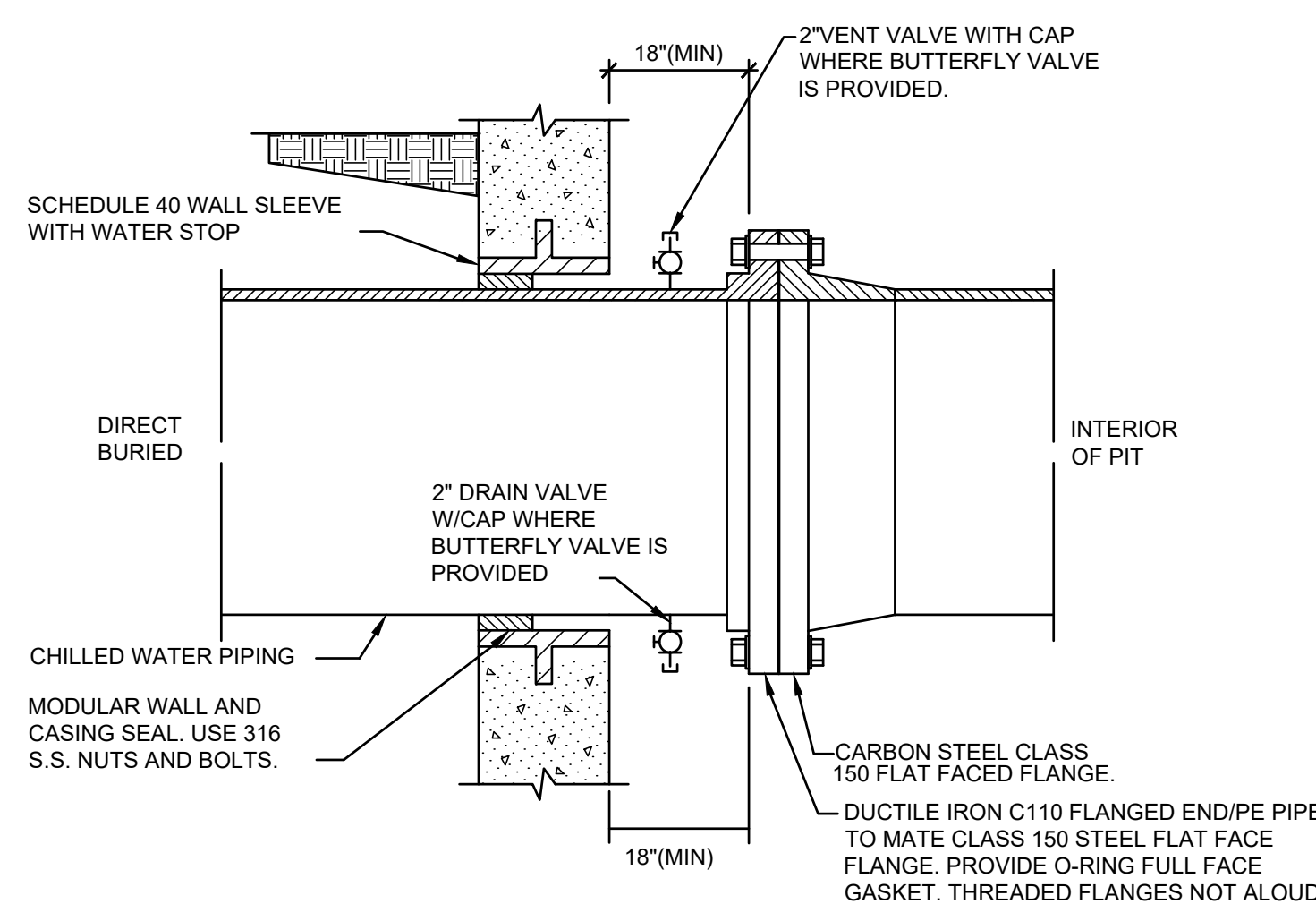
B SLOPED TRENCH
SCALE: NONE



C HANGER/SUPPORT
SCALE: NONE

- NOTE:**
- EXISTING TELECOMMUNICATIONS AND ELECTRICAL POWER DUCT BANKS WILL REQUIRE SPECIAL SUPPORT. PROVIDE CONTINUOUS PLATE OR BEAM SUPPORT UNDER DUCT BANK AND STRAP TO BEAM ABOVE AS SHOWN.

2 EXPOSED PIPE UTILITY TEMPORARY SUPPORT
SCALE: NOT TO SCALE



- NOTE:**
- BUTTERFLY VALVE CAN BE USED BETWEEN DUCTILE IRON AND CARBON STEEL FLANGES TO MAKE TRANSITION.

3 DUCTILE IRON/STEEL PIPE TRANSITION AT WALL PENETRATION
SCALE: NOT TO SCALE

ISSUANCES

No.	Description	Date
1	BP-02 FOR REVIEW	11/15/23
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3	BP-06	04/19/24

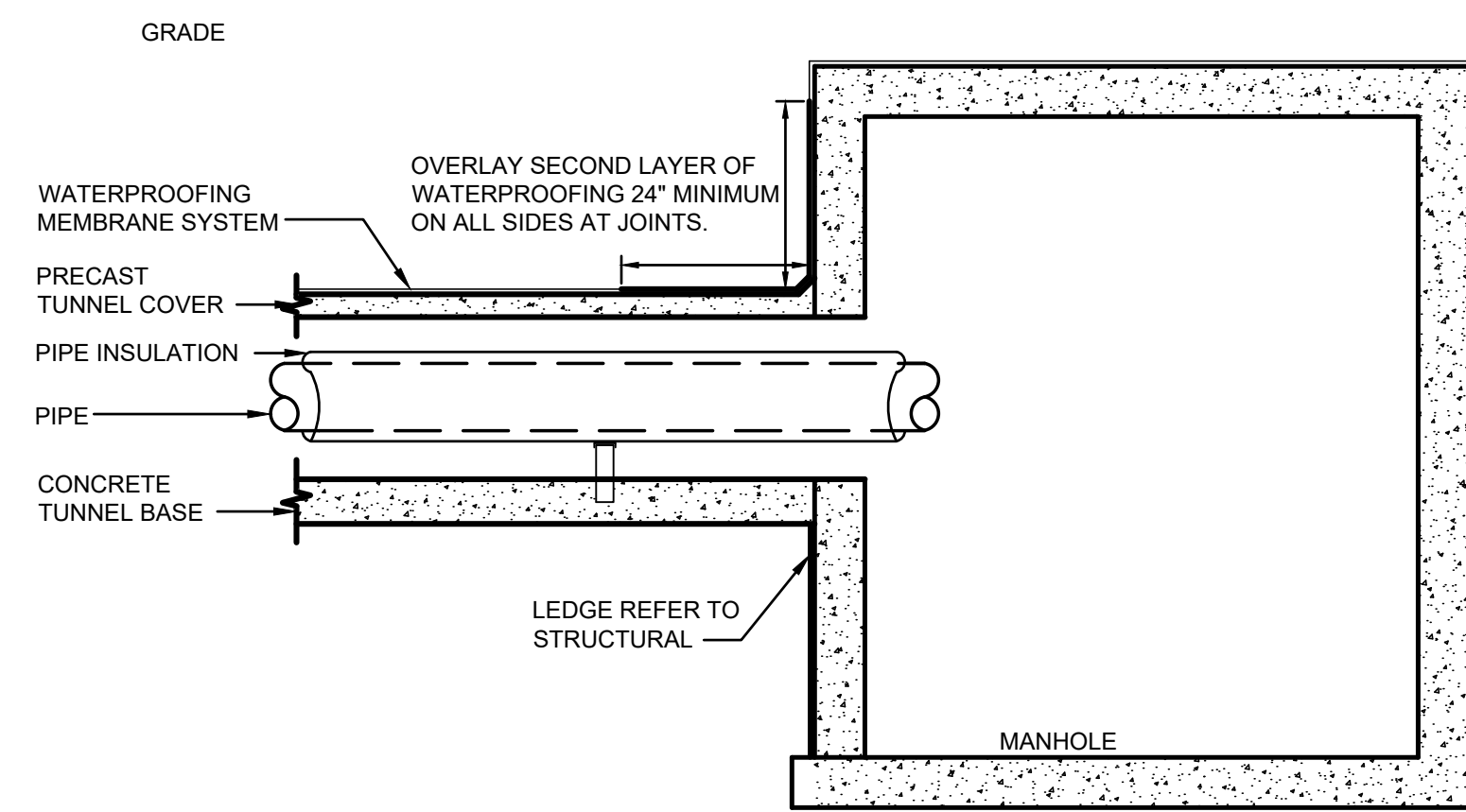
Drawn By
JBG
Checked By
GAH
Client Number
514
Project Number
6926

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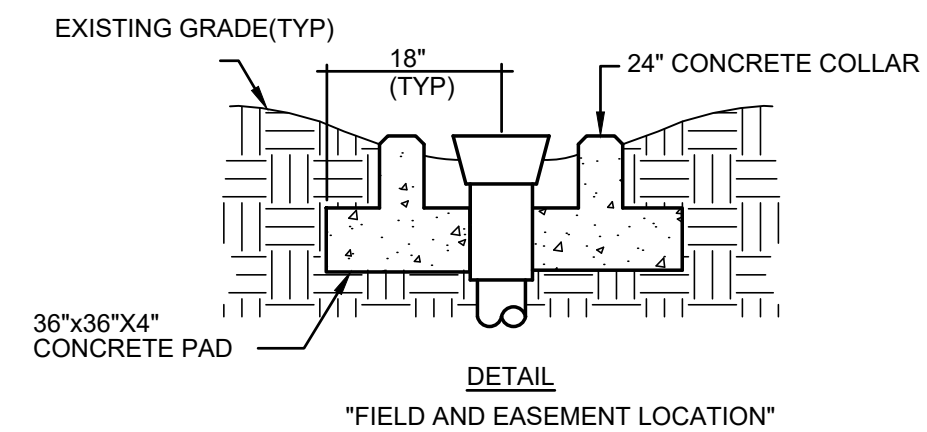
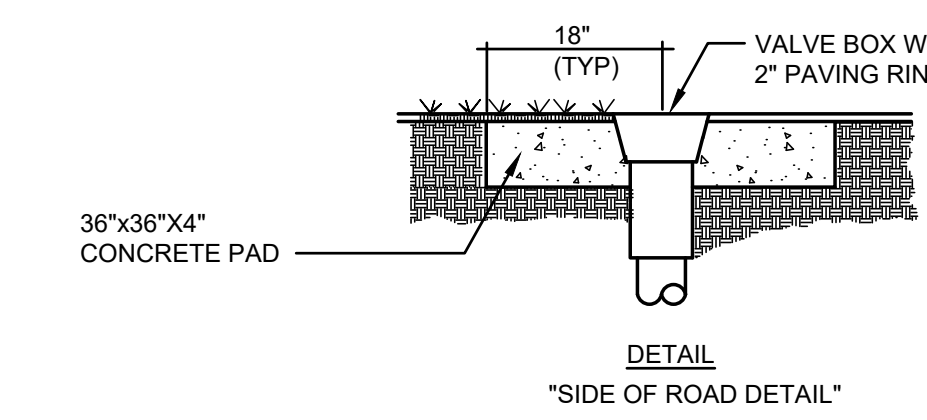
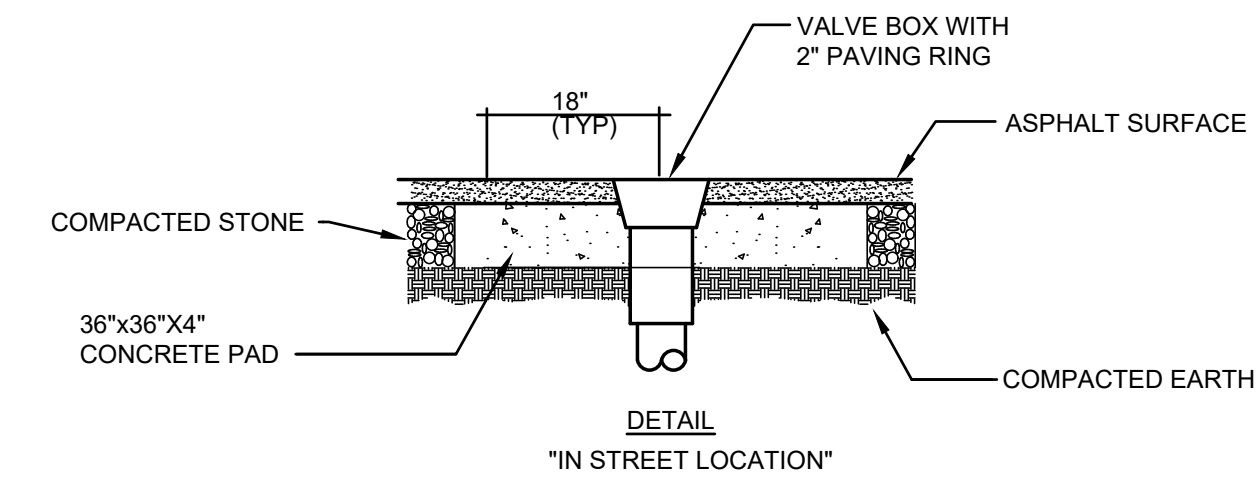
DRAWING TITLE

SITE UTILITY DETAILS

SHEET NO.
SU811

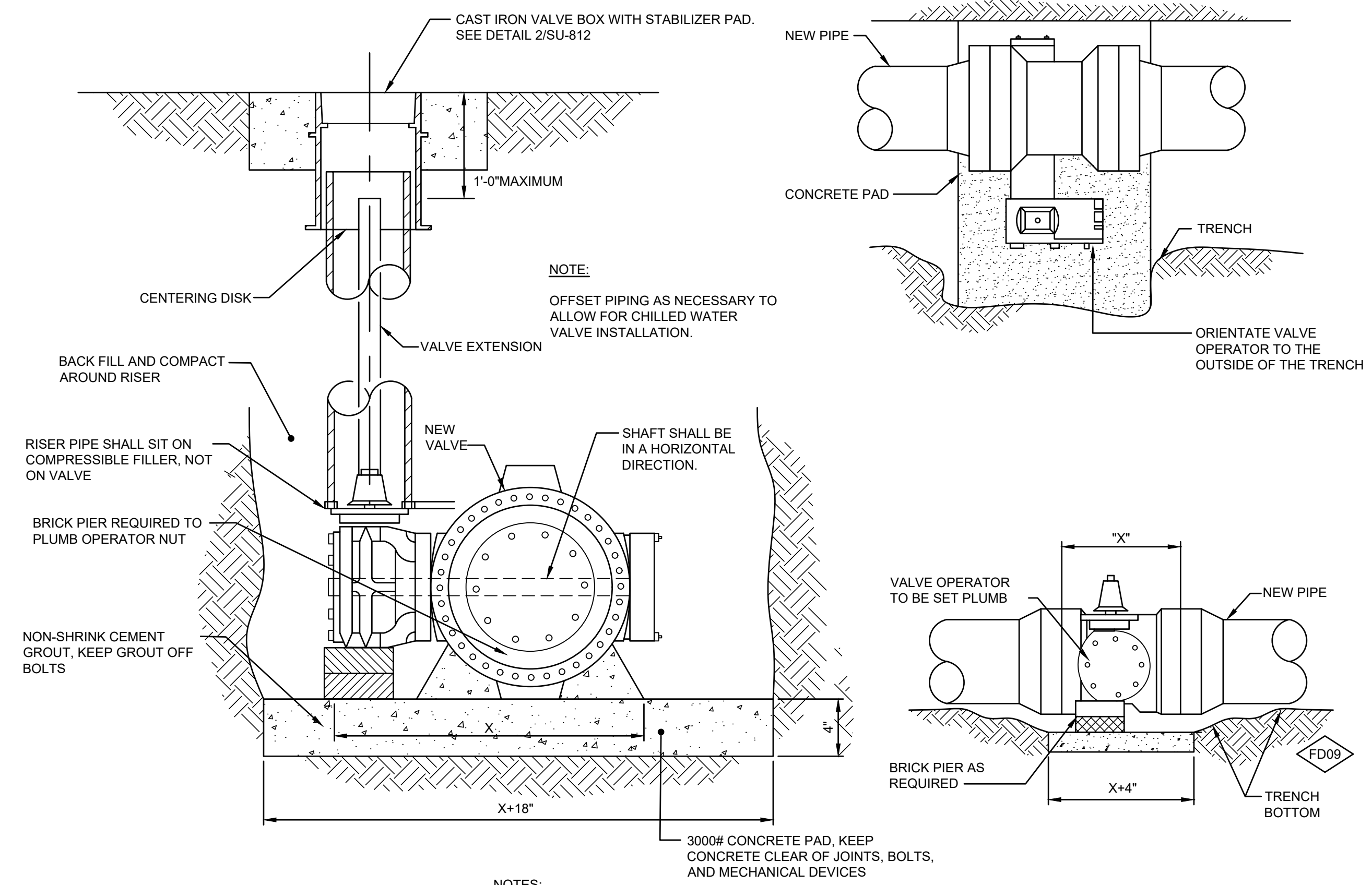


3 TYPICAL MAMHOLE/TUNNEL WATERPROOFING DETAIL
SCALE: NOT TO SCALE



NOTES:
1. MARK VALVE BOX COVERS AS "CHILLED WATER".

1 VALVE BOX STABILIZING PAD
SCALE: NOT TO SCALE



NOTES:
1. WRAP MECHANICAL CONNECTIONS IN POLYETHYLENE PRIOR TO BACKFILLING.

2 BUTTERFLY VALVE INSTALLATION
SCALE: NOT TO SCALE

ISSUANCES

No.	Description	Date
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2	BP-02 FOR BID & PERMIT	12/13/23
3	BP-06	04/19/24

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Client Number 514	NOT TO BE USED FOR CONSTRUCTION
Project Number 6926	

DRAWING TITLE
SITE UTILITY DETAILS
SHEET NO.
SU812

