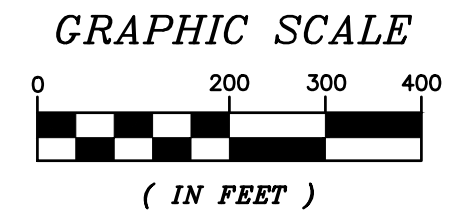




LOCATION MAP
SCALE: 1"=200'

LEGEND
DRAWING NUMBER. 3



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TOWN OF
WILMINGTON,
VERMONT

ROUTE 9 WATER
AND SEWER
EXTENSION
CONTRACT No. 1

**DRAWING LOCATION
MAP**

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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 2 |
| CHECKED WAE | |
| DATE DEC. 2024 | |



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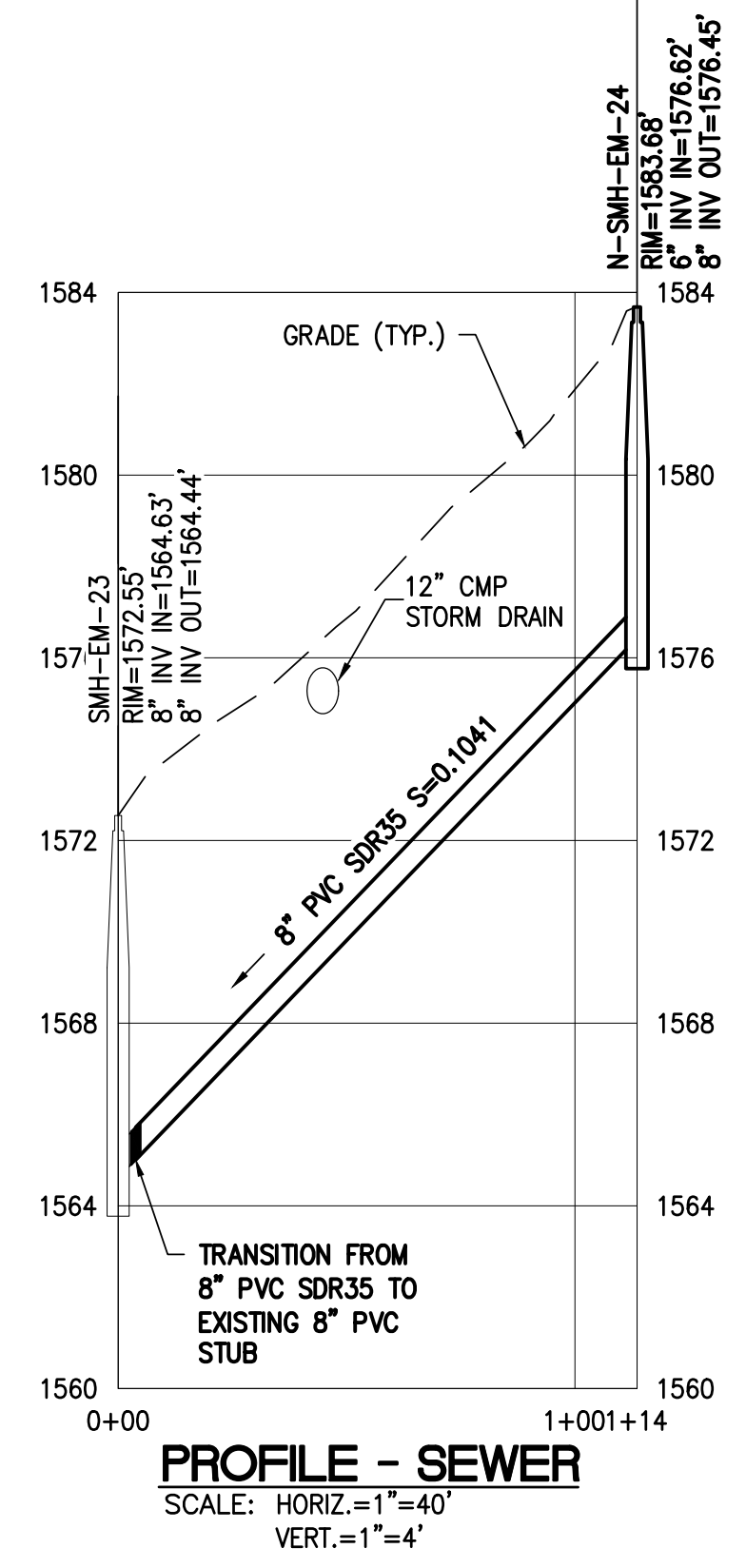
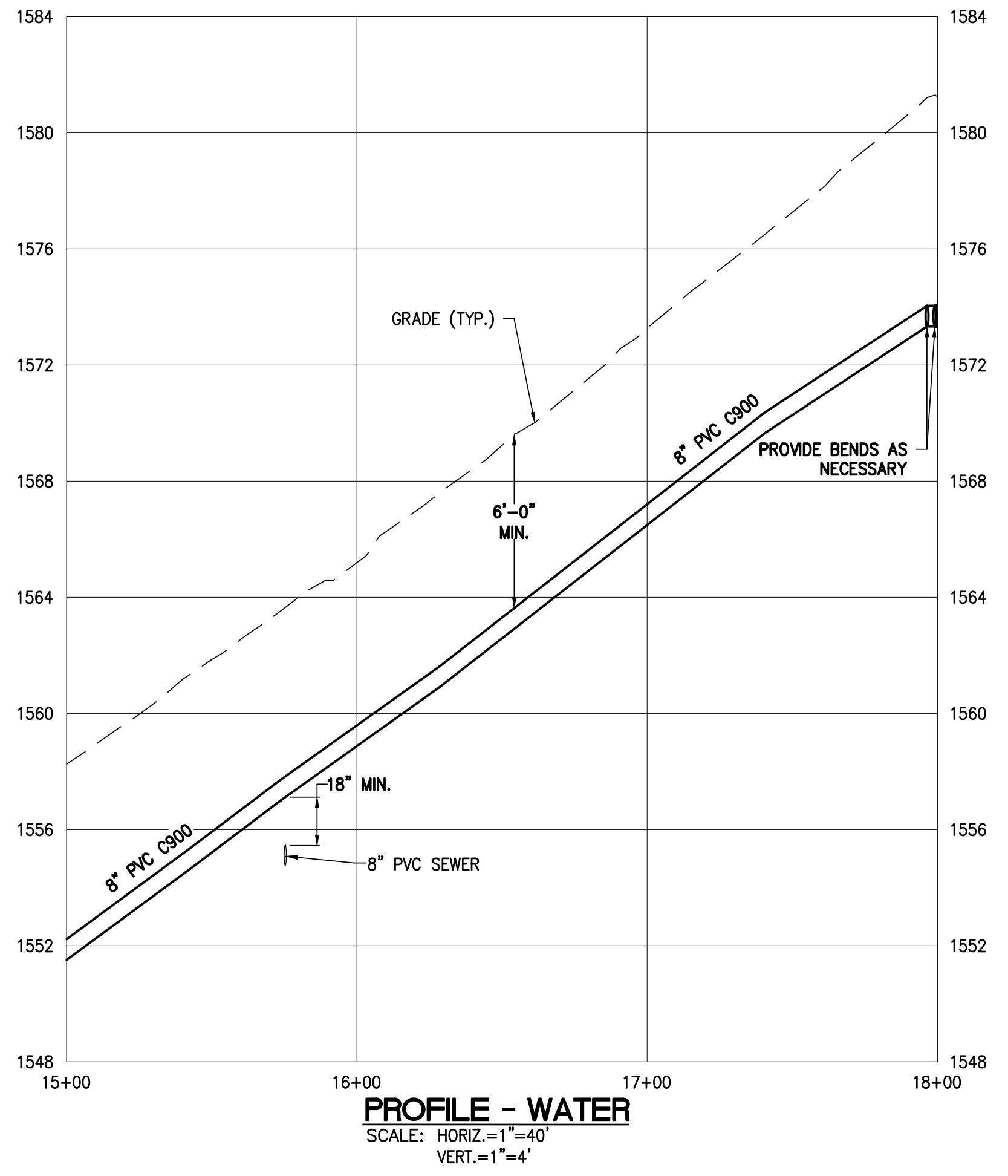
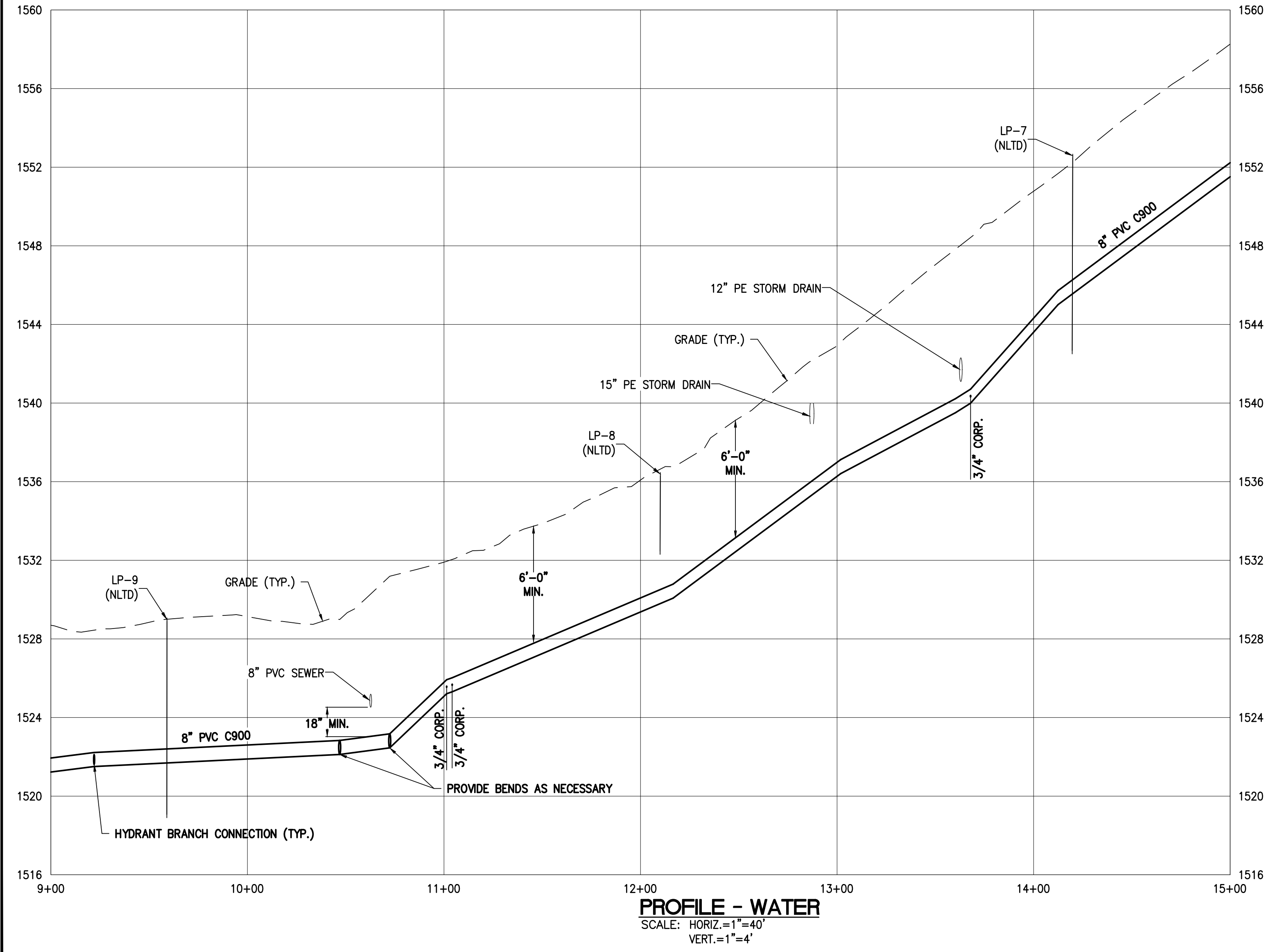
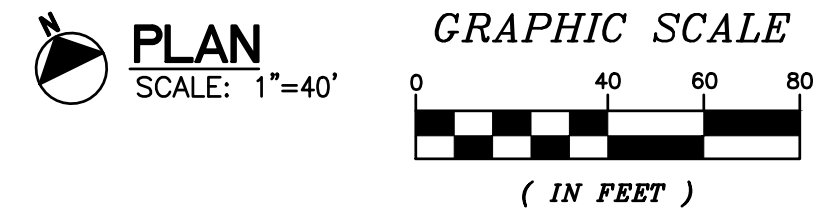
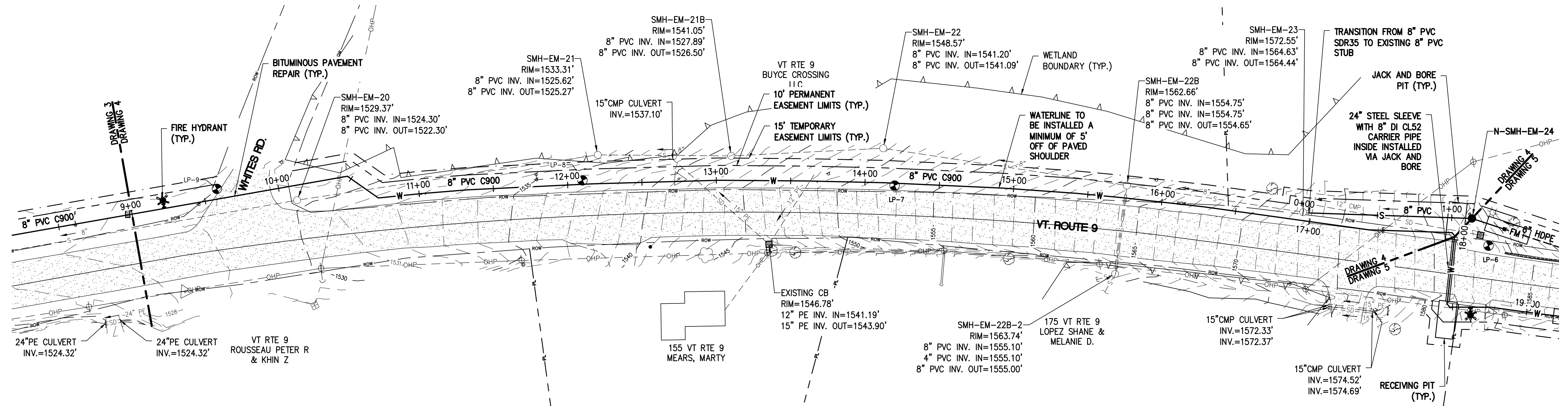
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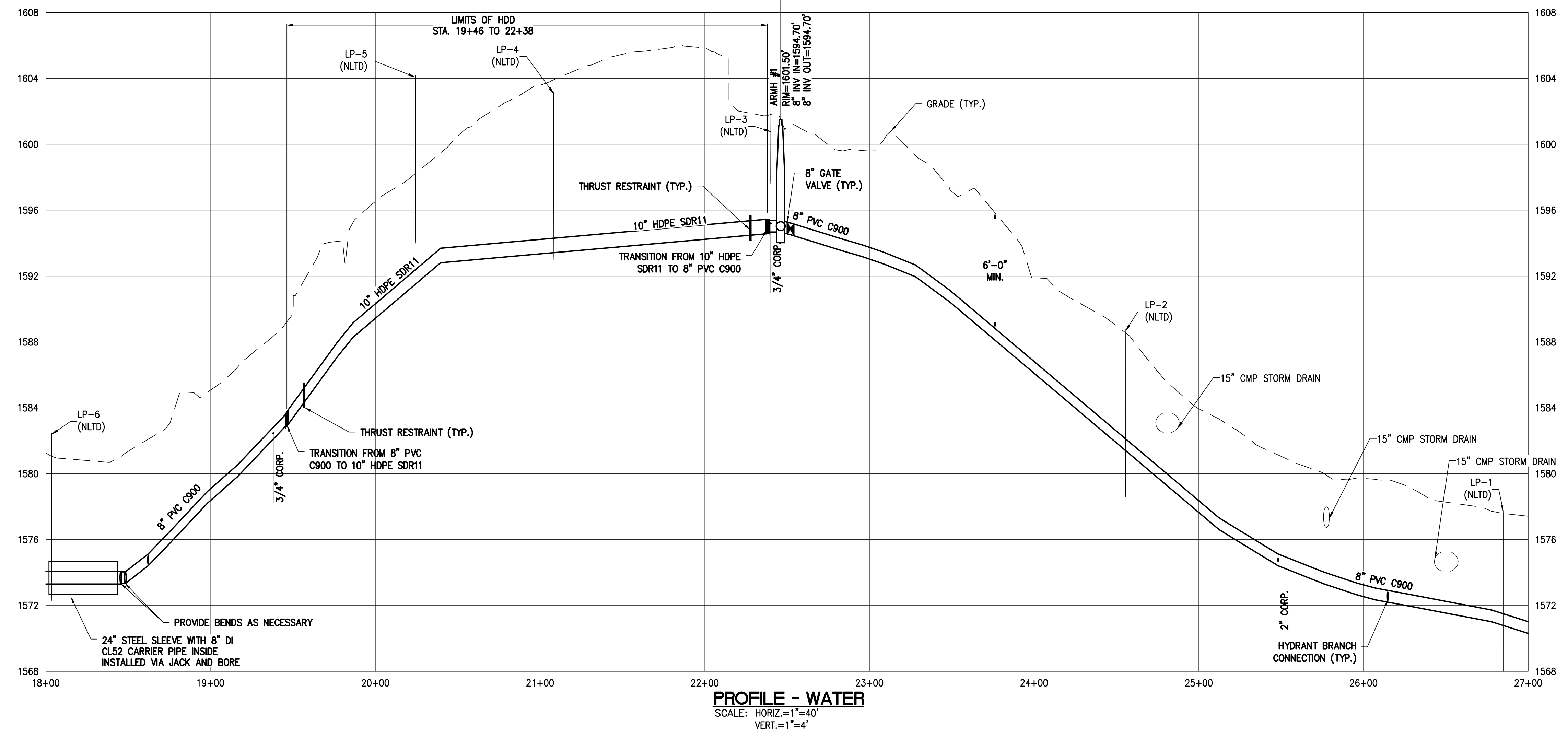
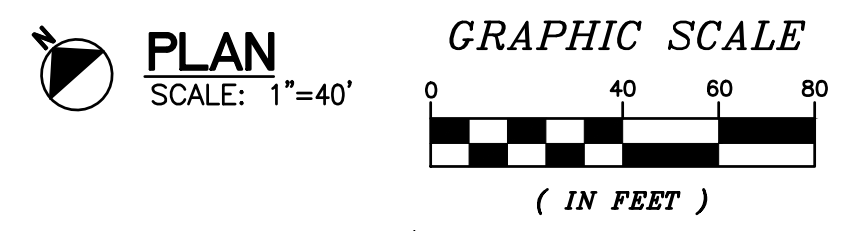
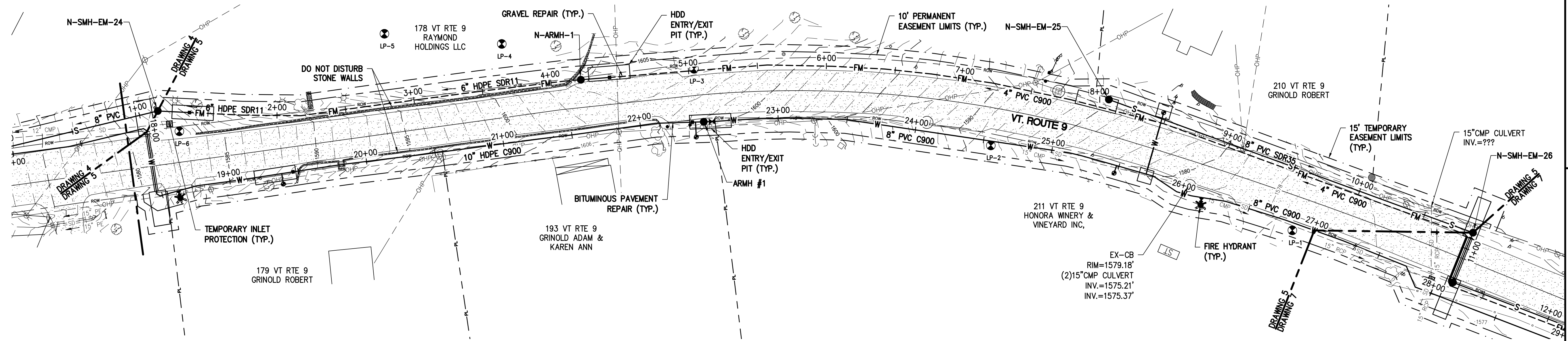
TOWN OF
 WILMINGTON,
 VERMONT

ROUTE 9 WATER
 AND SEWER
 EXTENSION
 CONTRACT No. 1

VT. ROUTE 9
 WATER AND SEWER
 PLAN AND PROFILE
 STA. 9+00 TO 18+00
 AND 0+00 TO 1+14

| | |
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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 4 |
| CHECKED WAE | DATE DEC. 2024 |





PROFILE - WATER
 SCALE: HORIZ.=1"=40'
 VERT.=1"=4'

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TOWN OF
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ROUTE 9 WATER
 AND SEWER
 EXTENSION
 CONTRACT No. 1

VT. ROUTE 9
 WATER
 PLAN AND PROFILE
 STA. 18+00 TO 27+00

| | |
|-------------------|----------------------|
| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 5 |
| CHECKED WAE | |
| DATE DEC. 2024 | |



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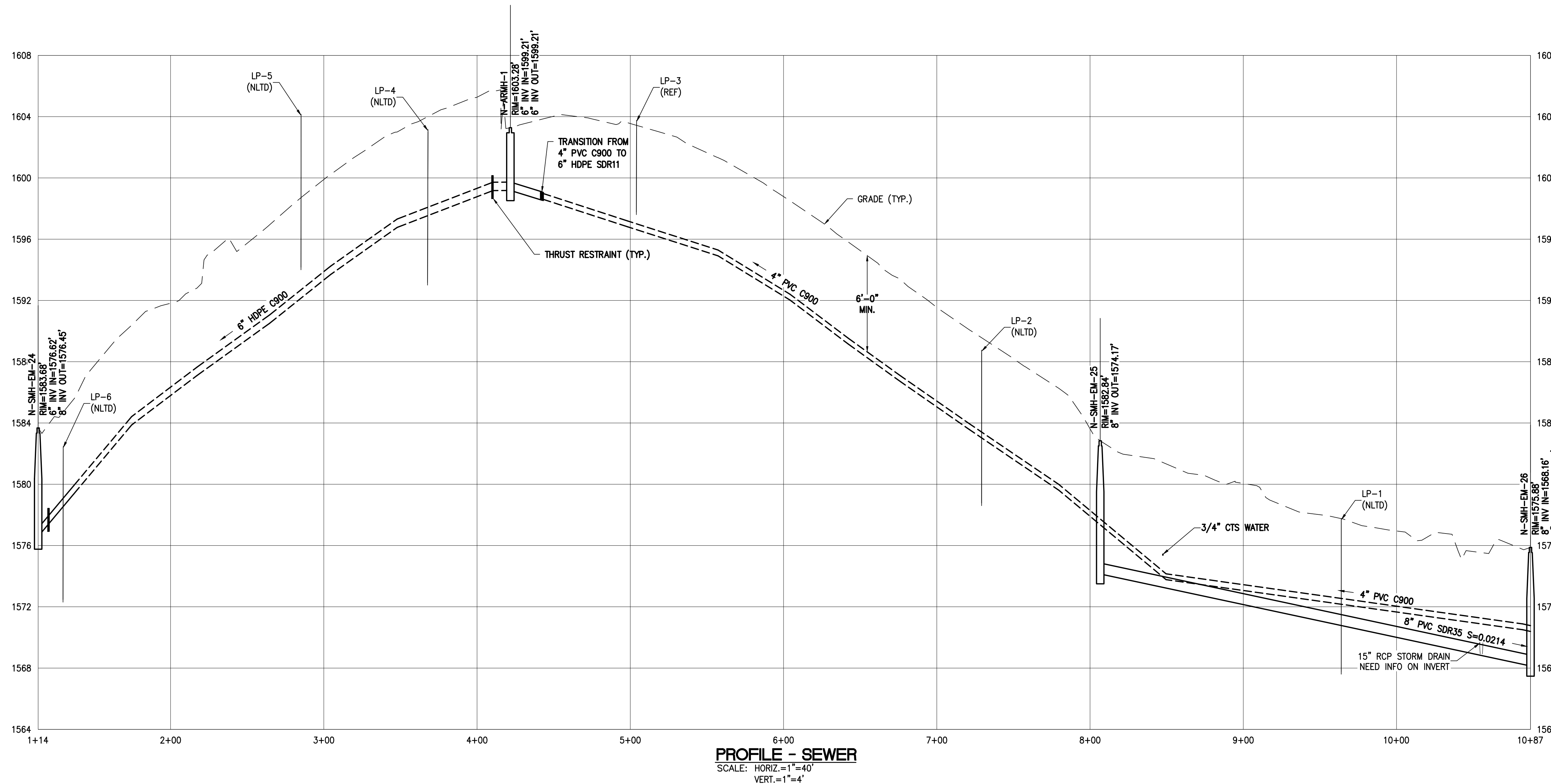
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TOWN OF
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ROUTE 9 WATER
 AND SEWER
 EXTENSION
 CONTRACT No. 1

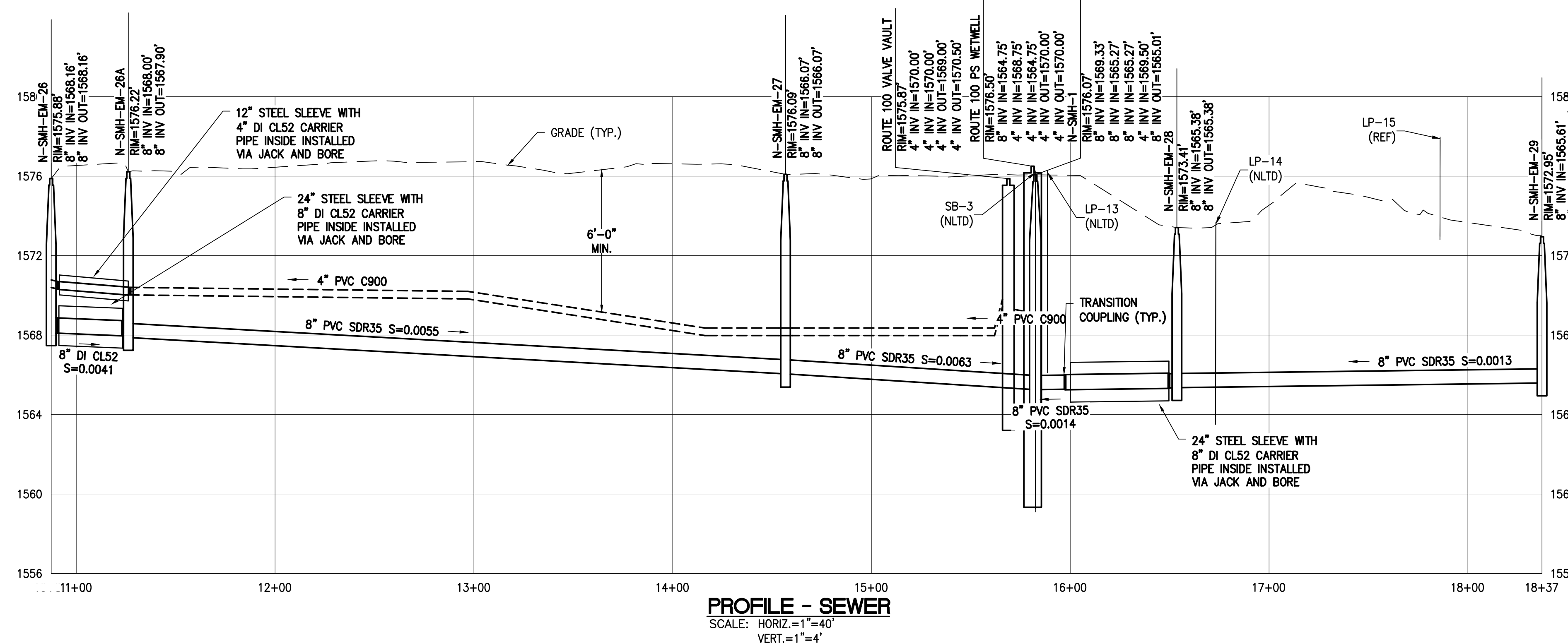
VT. ROUTE 9
 SEWER PROFILE
 STA. 1+14 TO 10+87

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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 6 |
| CHECKED WAE | |
| DATE DEC. 2024 | |





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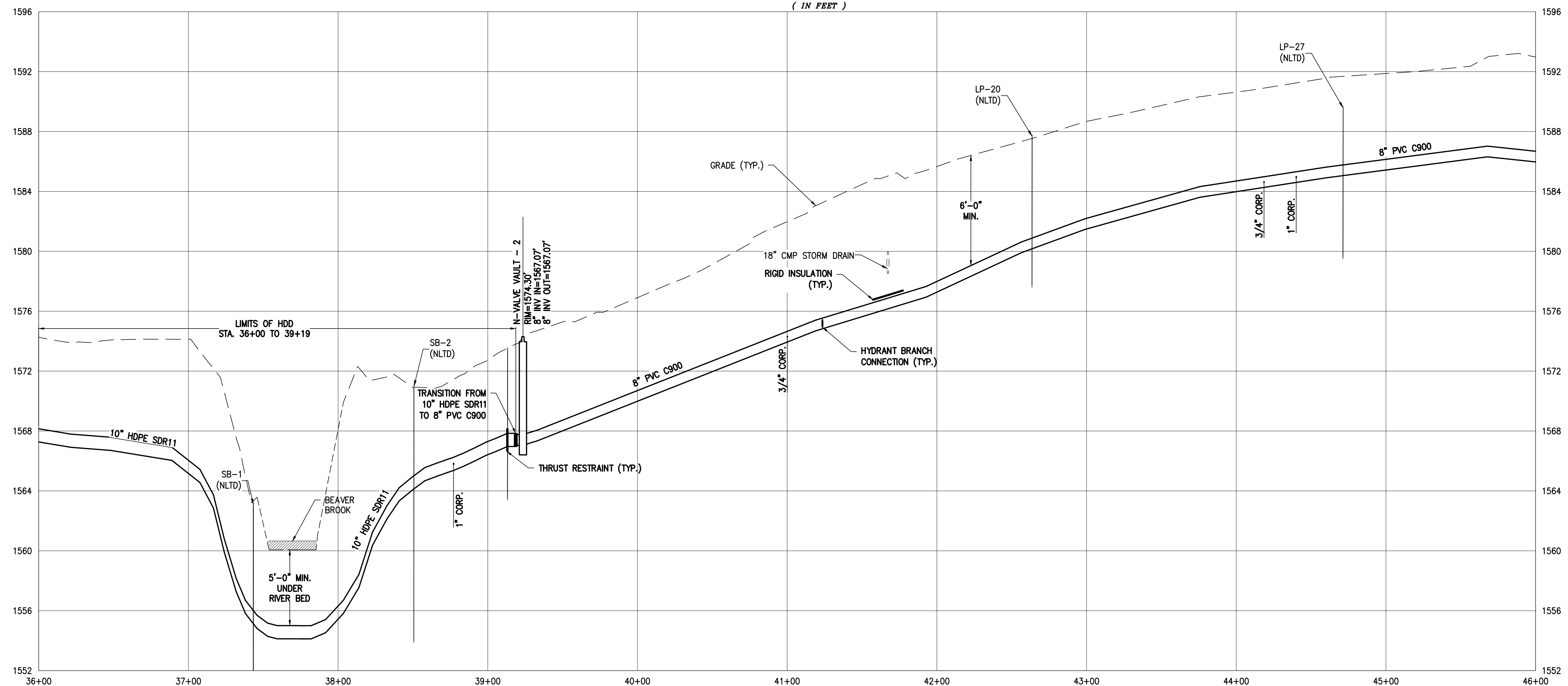
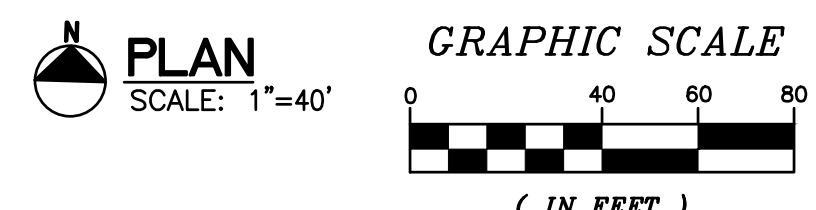
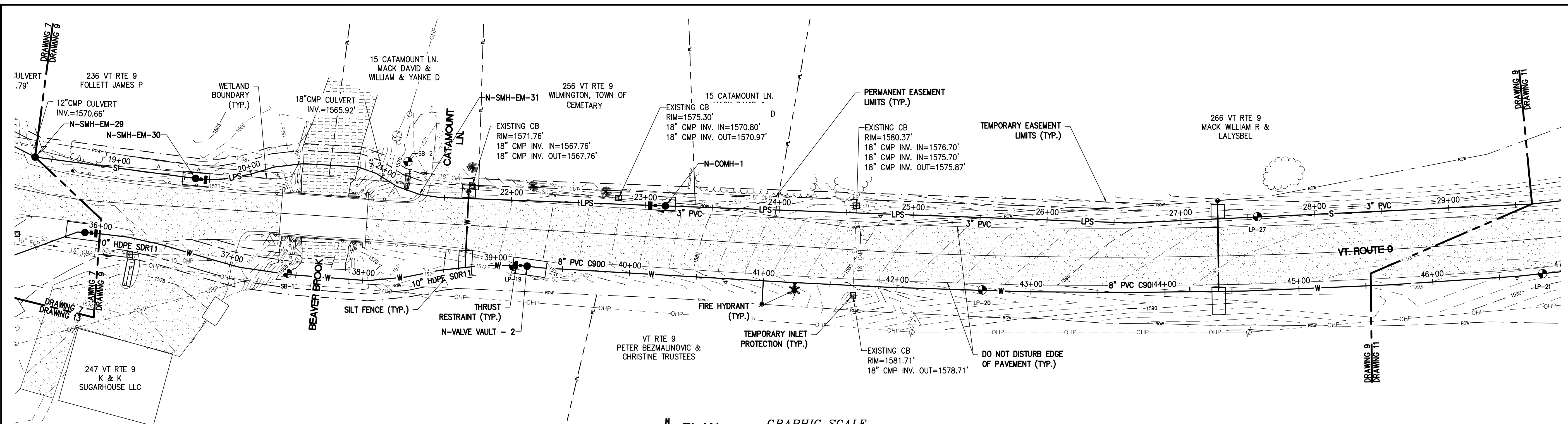
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ROUTE 9 WATER
AND SEWER
EXTENSION
CONTRACT No. 1

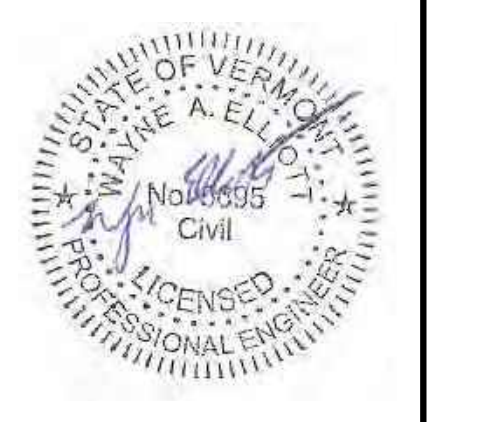
VT. ROUTE 9
SEWER PROFILE
STA. 10+87 TO 18+37

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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 8 |
| CHECKED WAE | |
| DATE DEC. 2024 | |



PROFILE - WATER
 SCALE: HORIZ.=1"=40'
 VERT.=1"=4'

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TOWN OF WILMINGTON, VERMONT

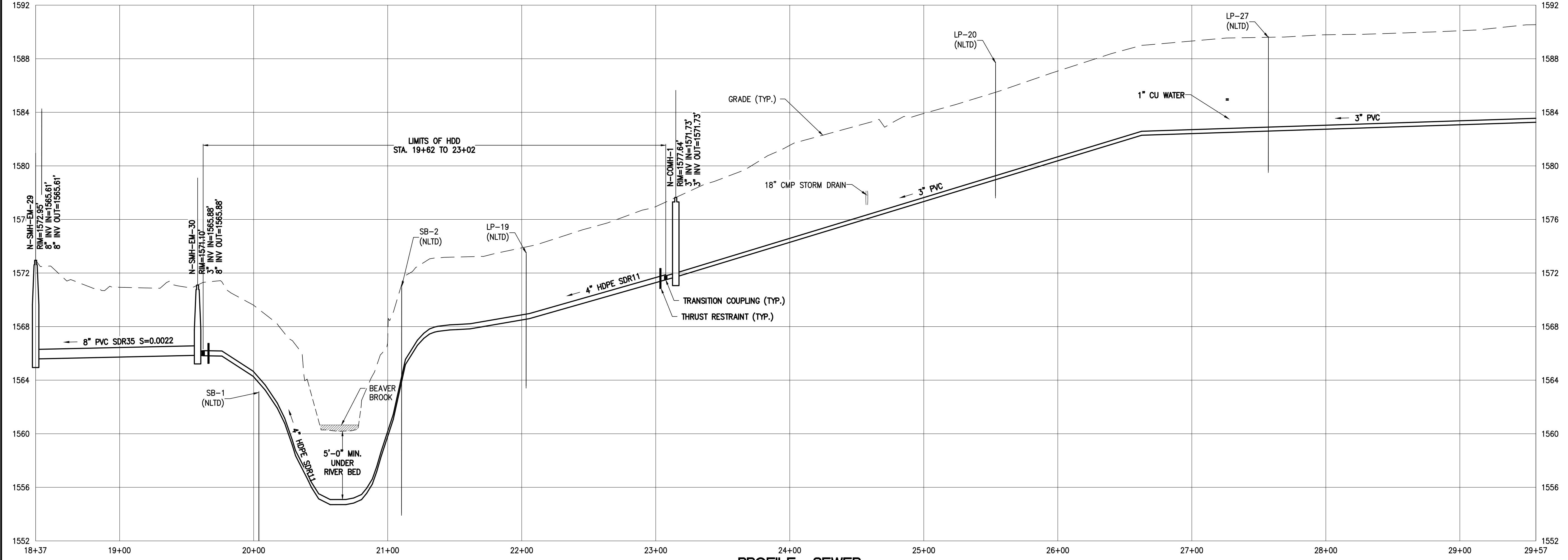
ROUTE 9 WATER AND SEWER EXTENSION CONTRACT No. 1

VT. ROUTE 9 WATER PLAN AND PROFILE STA. 36+00 TO 46+00

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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 9 |
| CHECKED WAE | DATE DEC. 2024 |



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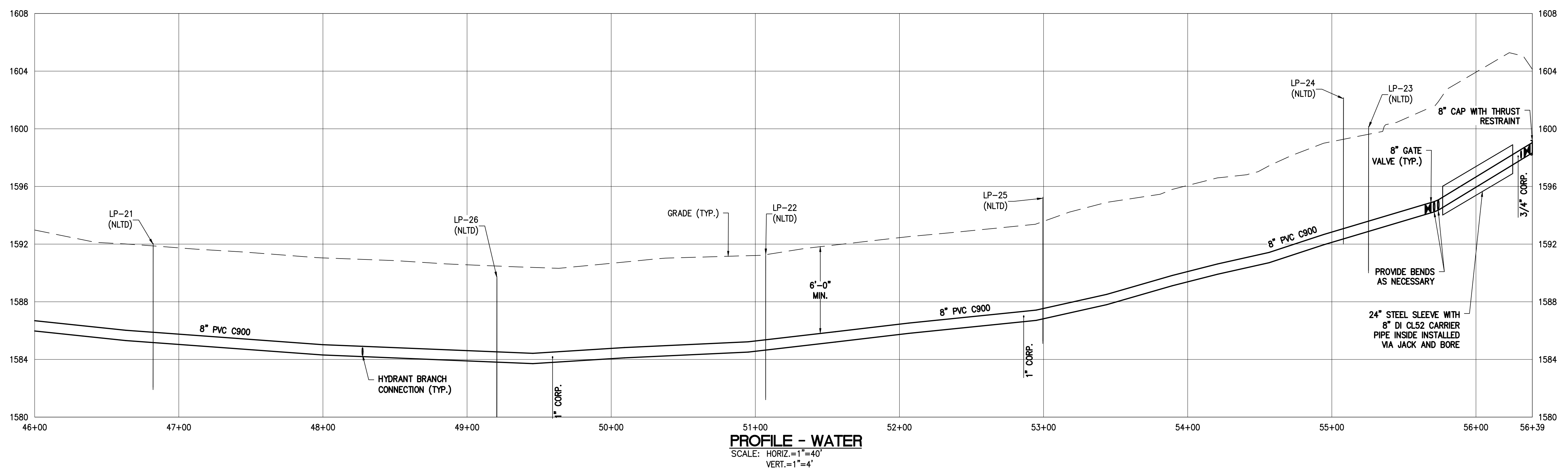
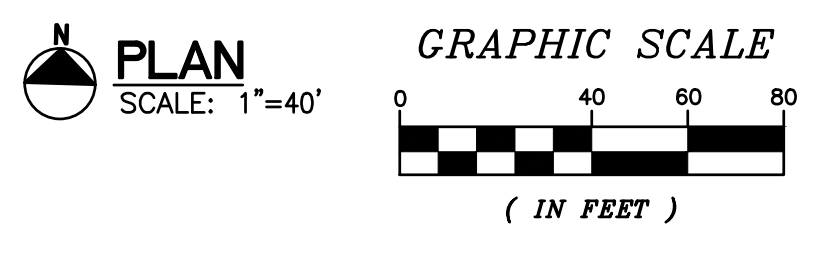
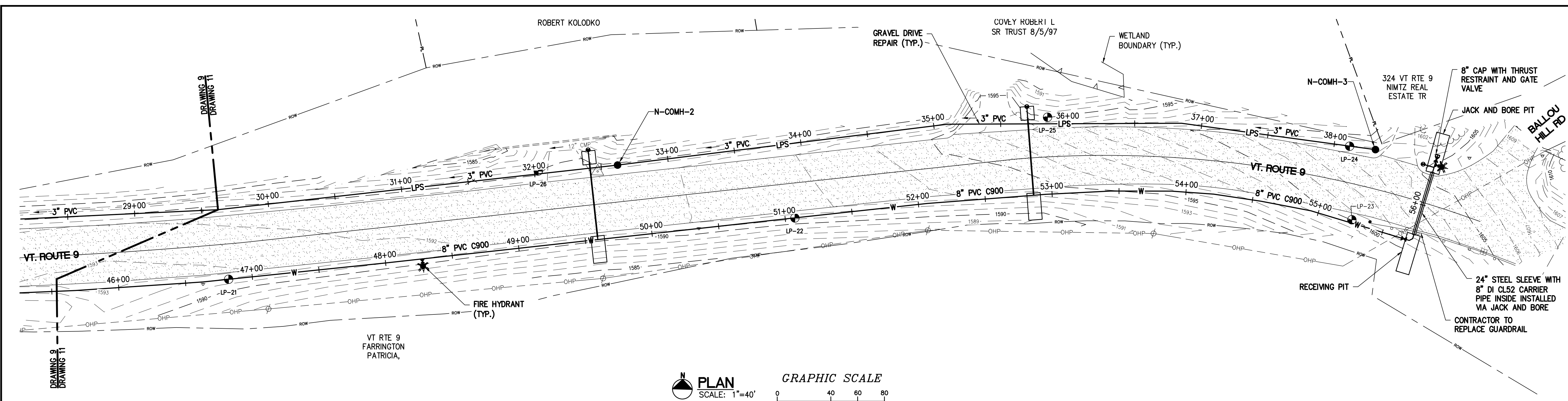
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TOWN OF
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ROUTE 9 WATER
 AND SEWER
 EXTENSION
 CONTRACT No. 1

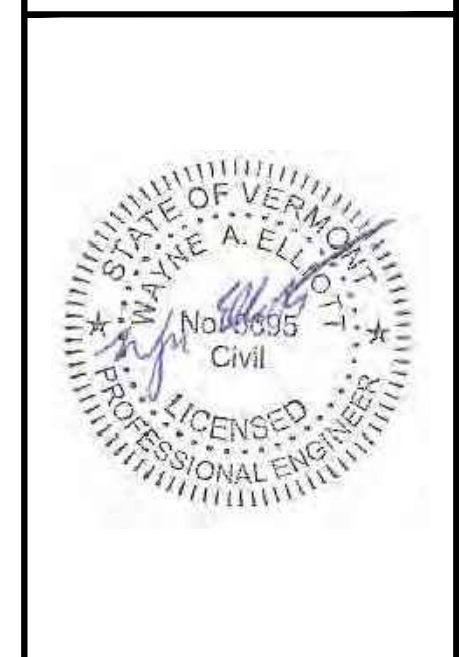
**VT. ROUTE 9
 SEWER PROFILE
 STA. 18+37 TO 29+57**

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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | |
| CHECKED WAE | DRAWING 10 |
| DATE DEC. 2024 | |



PROFILE - WATER
SCALE: HORIZ.=1"=40'
VERT.=1"=4'

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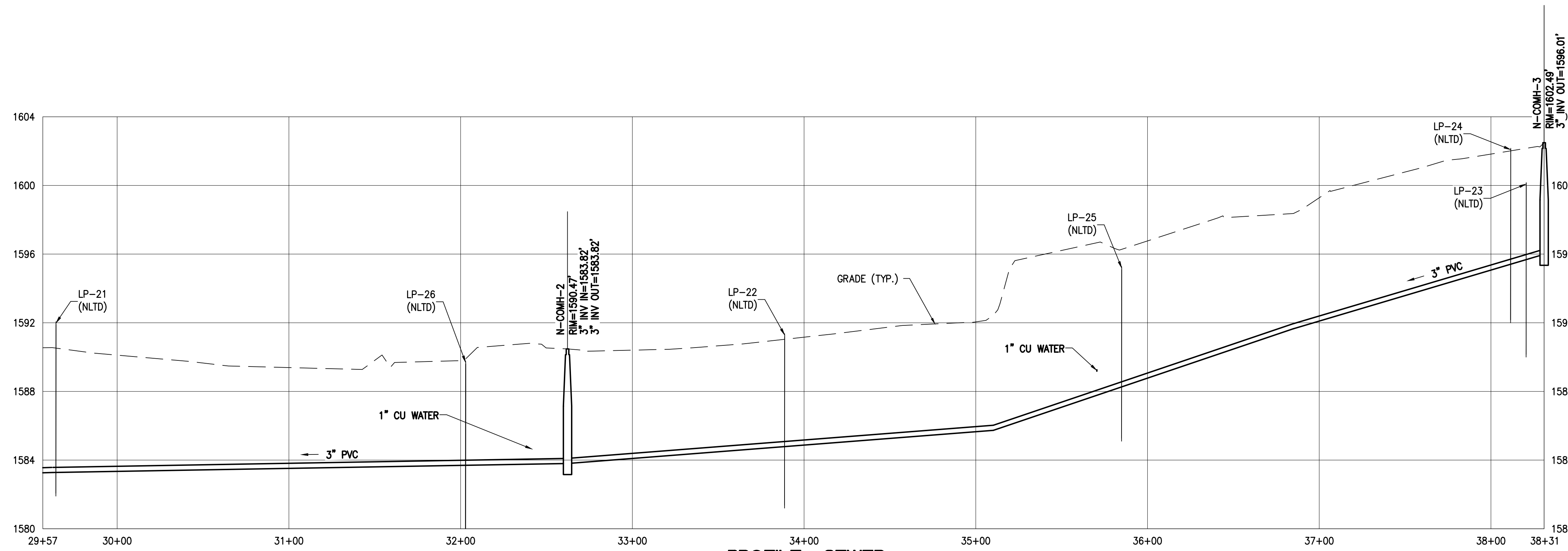
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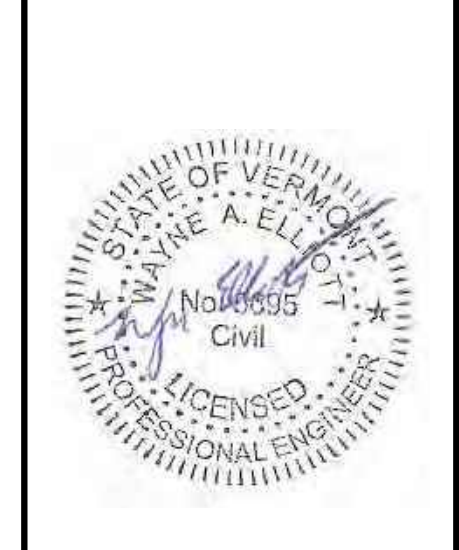
ROUTE 9 WATER AND SEWER EXTENSION
CONTRACT No. 1

VT. ROUTE 9 WATER
PLAN AND PROFILE
STA. 46+00 TO 56+39

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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 11 |
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| DATE DEC. 2024 | |



PROFILE - SEWER
SCALE: HORIZ.=1"=40'
VERT.=1"=4'



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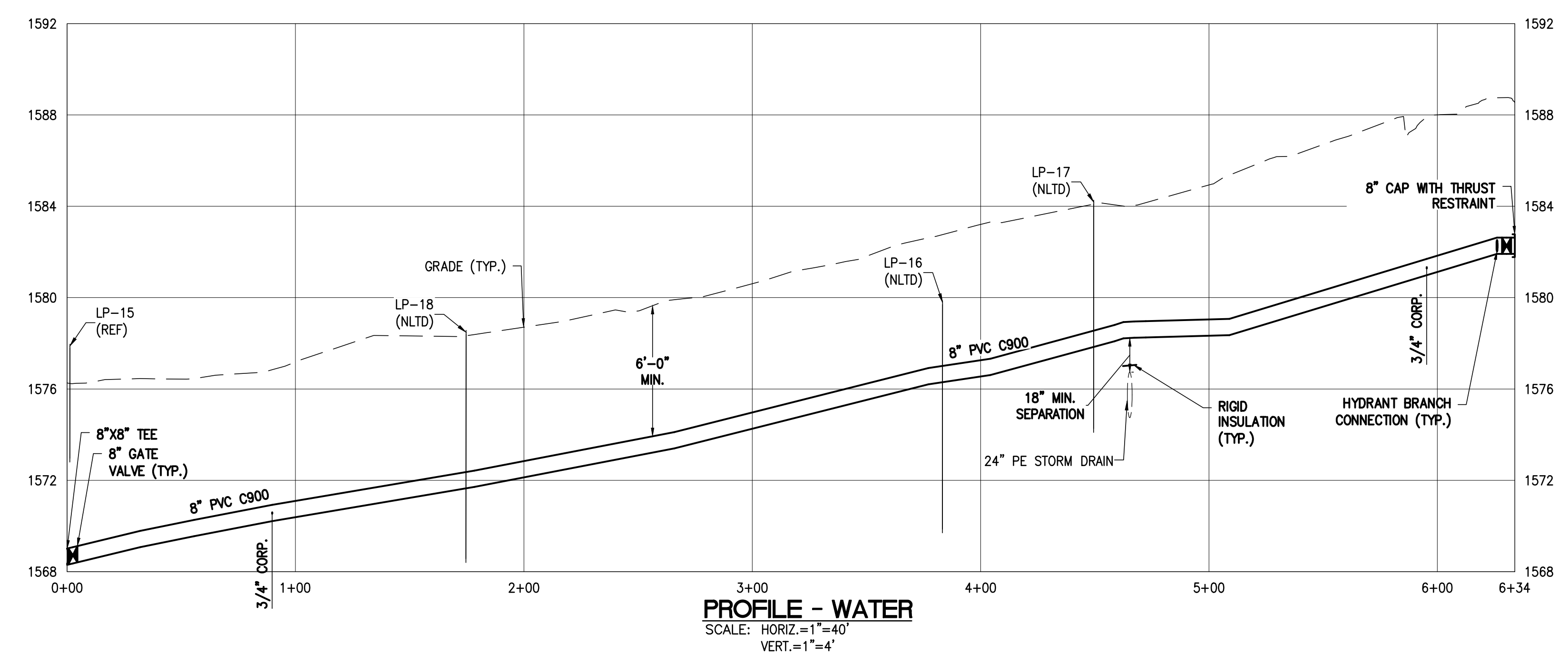
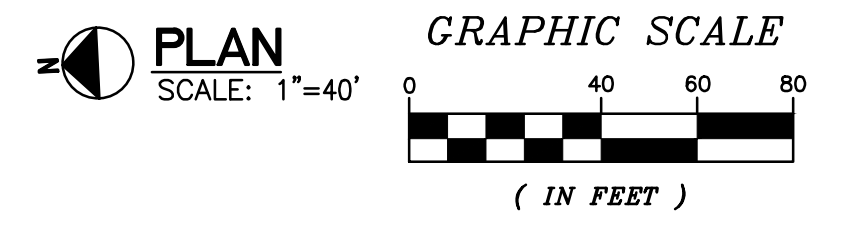
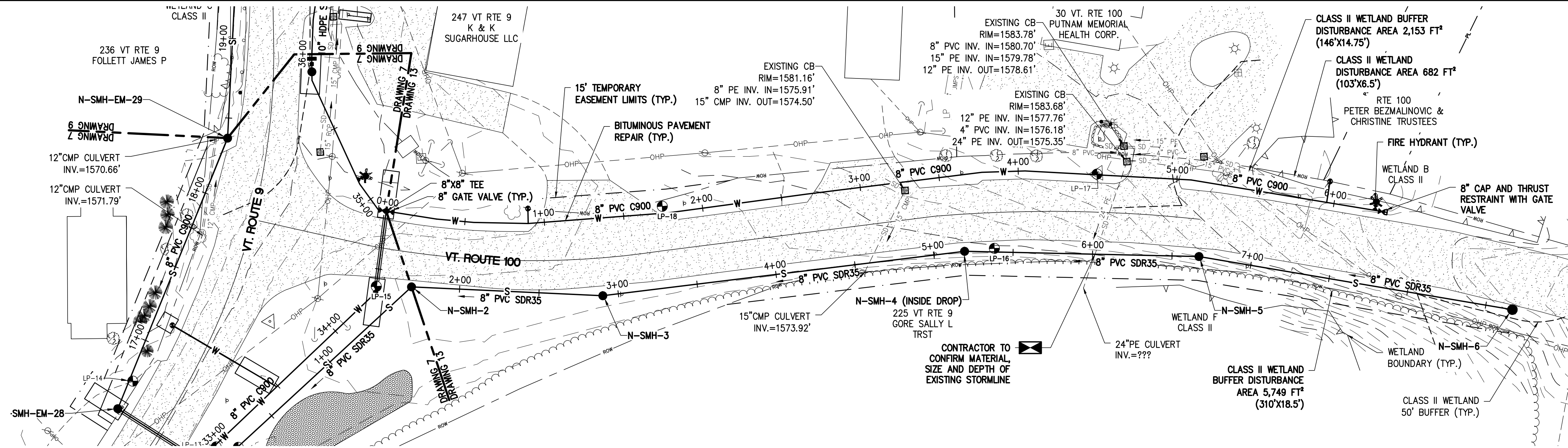
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TOWN OF
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ROUTE 9 WATER
AND SEWER
EXTENSION
CONTRACT No. 1

VT. ROUTE 9
SEWER PROFILE
STA. 29+57 TO 38+31

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| DESIGNED MG | PROJECT NO. 22028 | |
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| DRAWING 12 | | |



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| NO. | DATE | DESCRIPTION | CHECKED |
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| 1 | 12/22/24 | DW REVIEW COMMENTS | WAE |

TOWN OF WILMINGTON, VERMONT

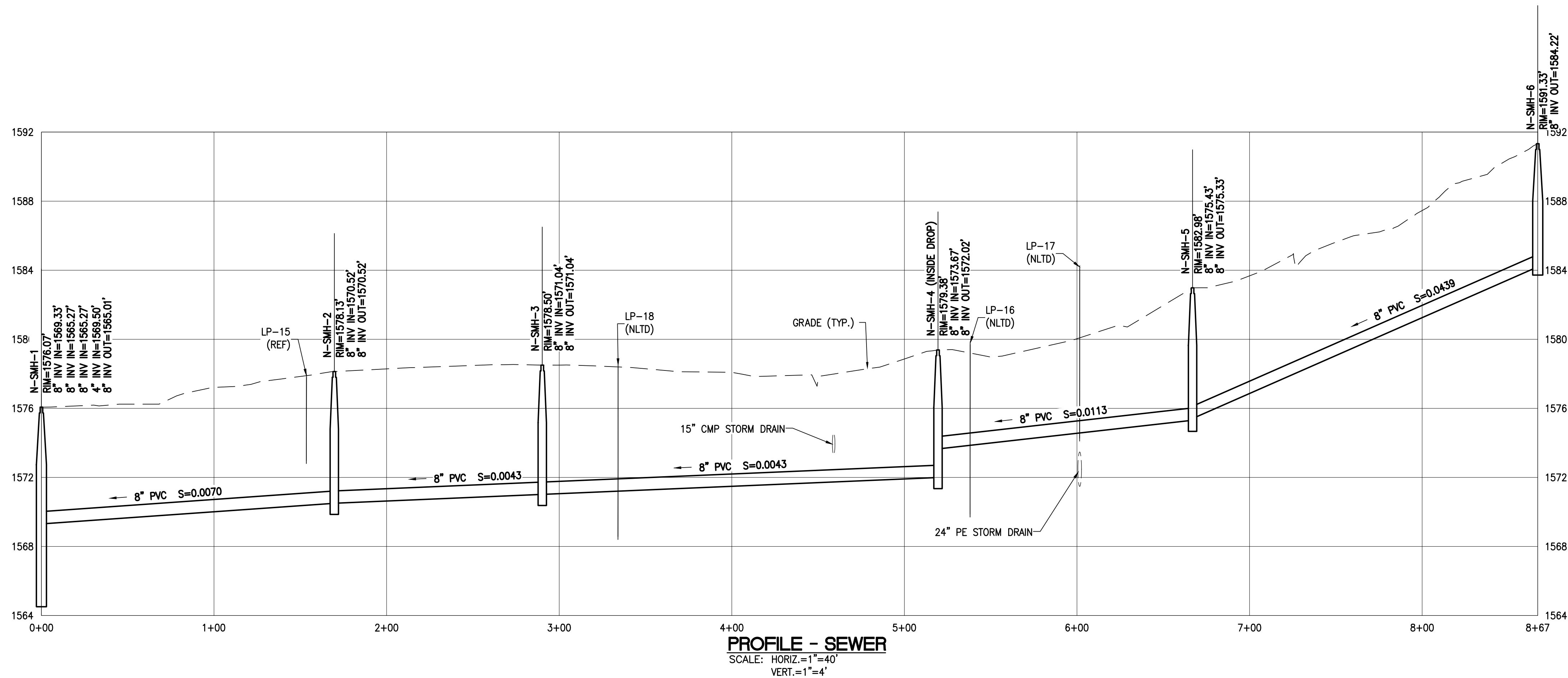
ROUTE 9 WATER AND SEWER EXTENSION CONTRACT No. 1

VT. ROUTE 100 WATER PLAN AND PROFILE STA. 0+00 TO 6+34

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| DESIGNED MG | PROJECT NO. 22028 |
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| DATE DEC. 2024 | |



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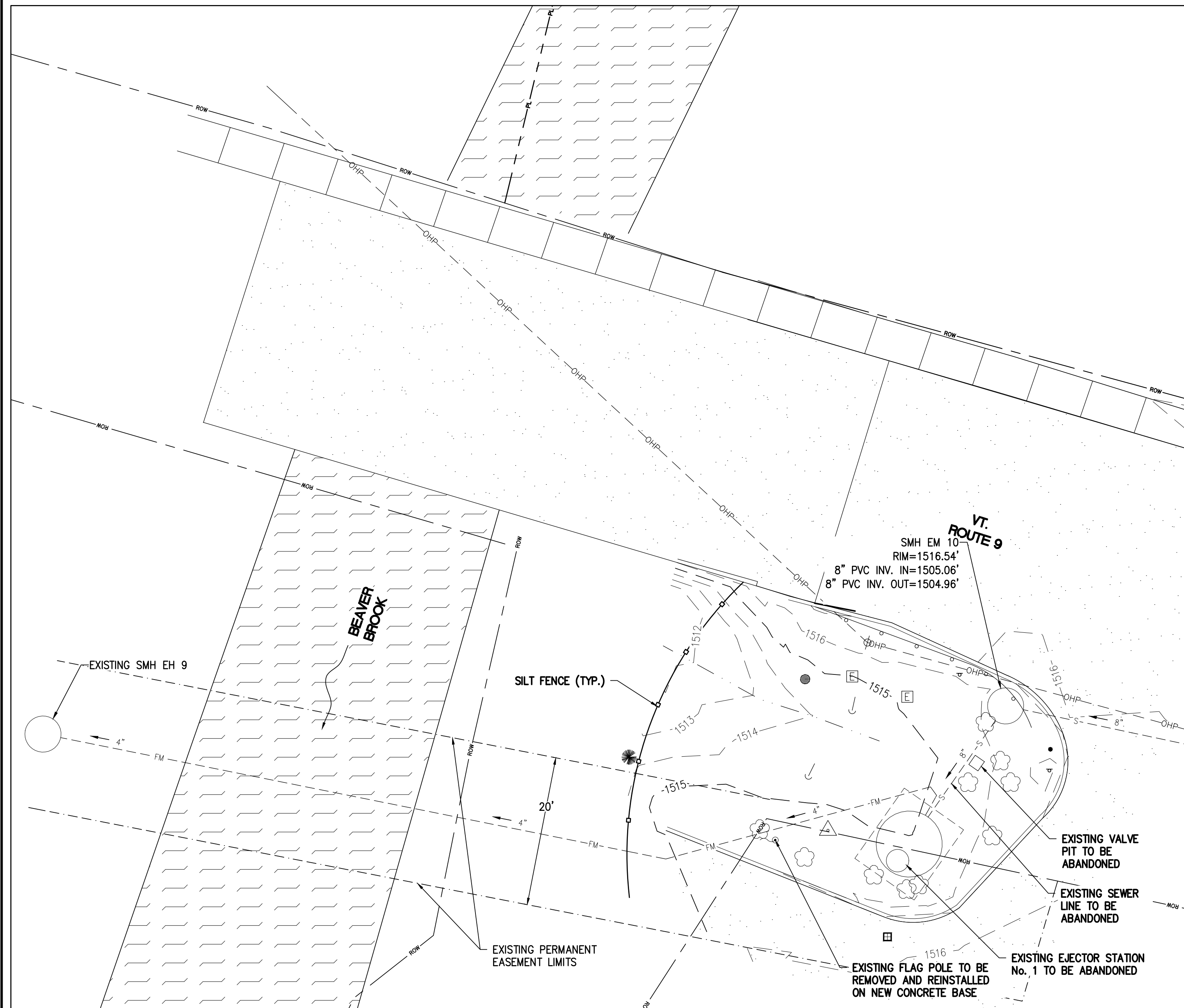
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TOWN OF WILMINGTON, VERMONT

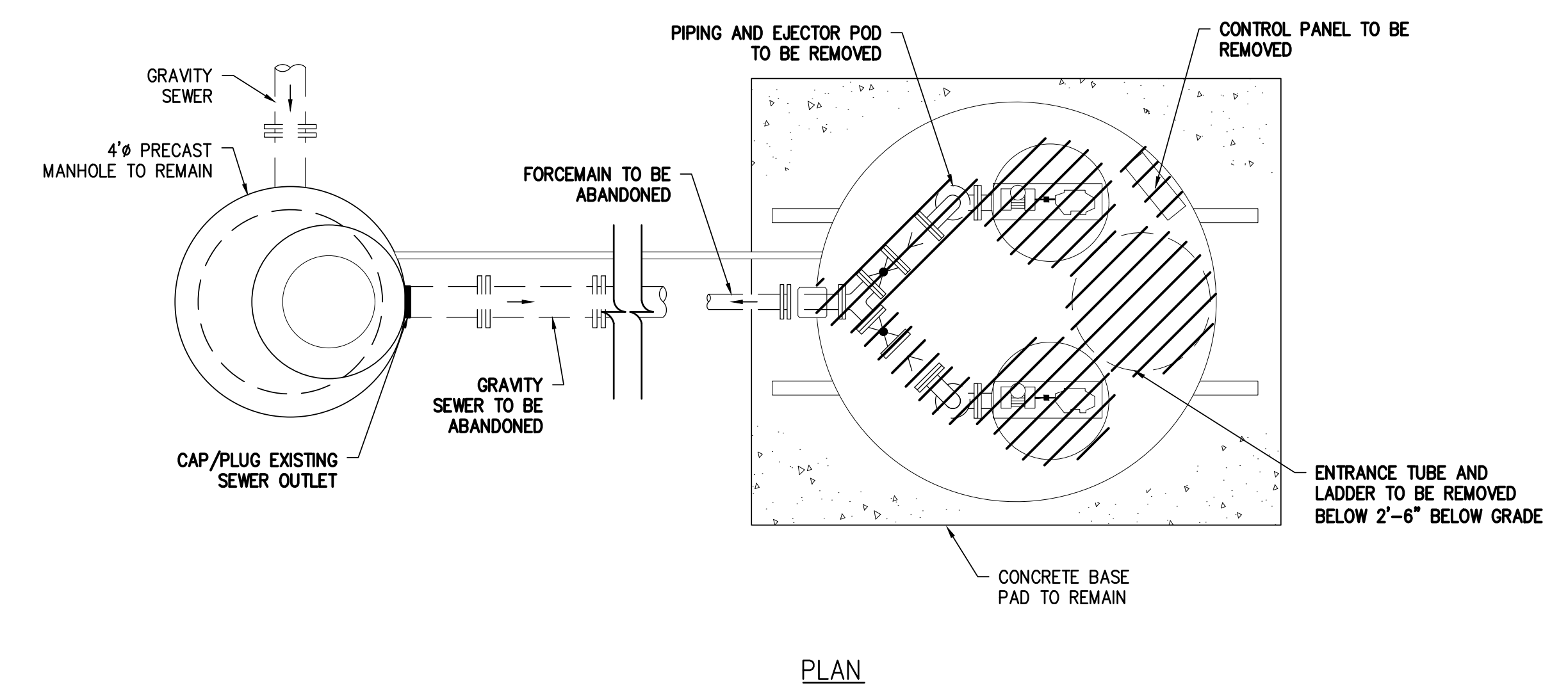
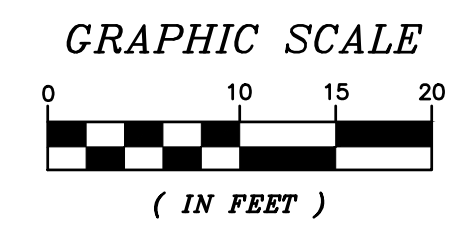
ROUTE 9 WATER AND SEWER EXTENSION CONTRACT No. 1

VT. ROUTE 100 SEWER PROFILE STA. 0+00 TO 8+67

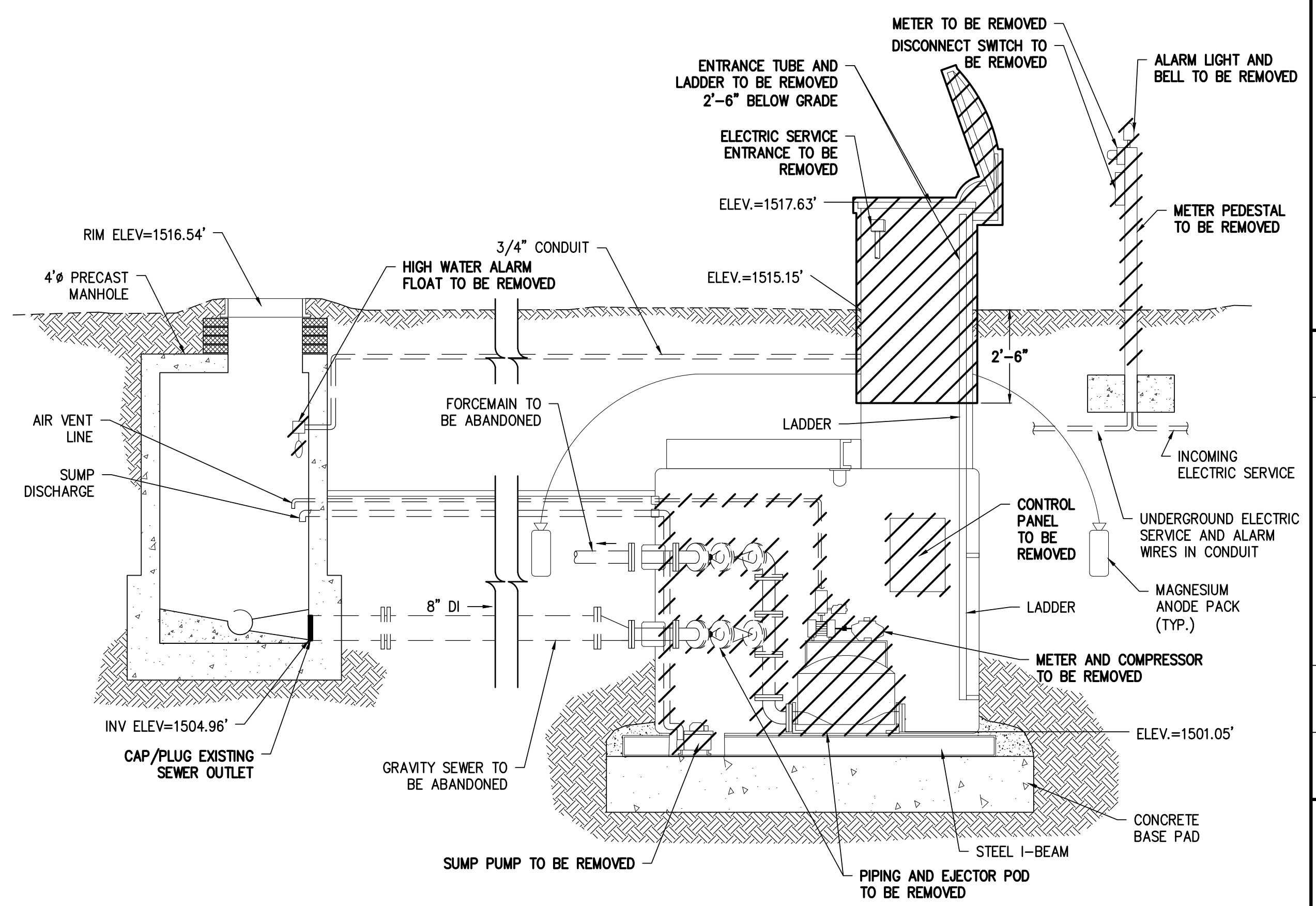
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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 13A |
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EXISTING SITE PLAN
SCALE: 1"=10'



PLAN



SECTION

EXISTING EJECTOR STATION DETAIL
SCALE: N.T.S.

NOTES:
1. DEMOLITION OF THE EXISTING EJECTOR STATION SHALL NOT BEGIN UNTIL THE NEW SUBMERSIBLE PUMP STATION IS FULLY OPERATIONAL.

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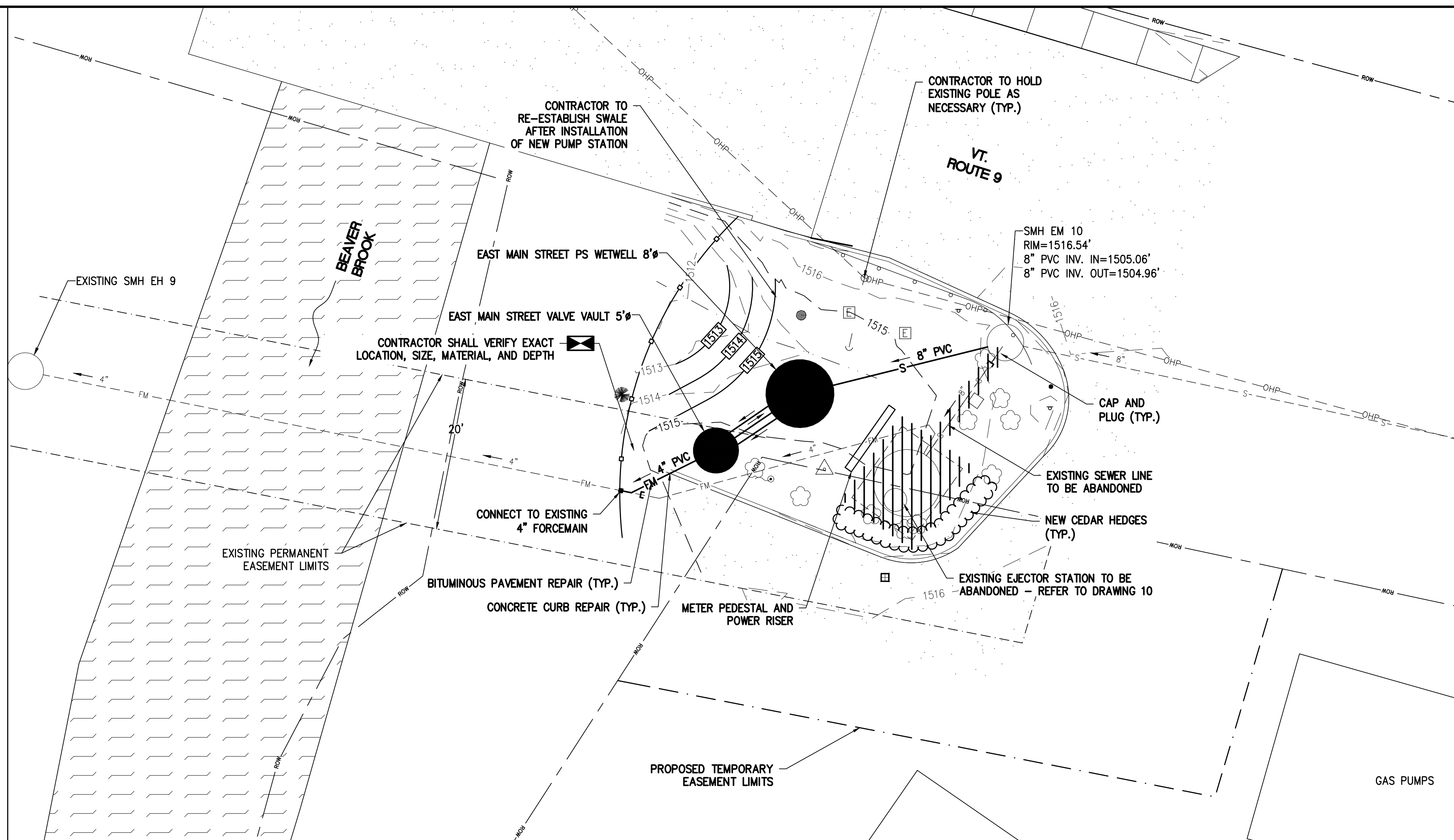
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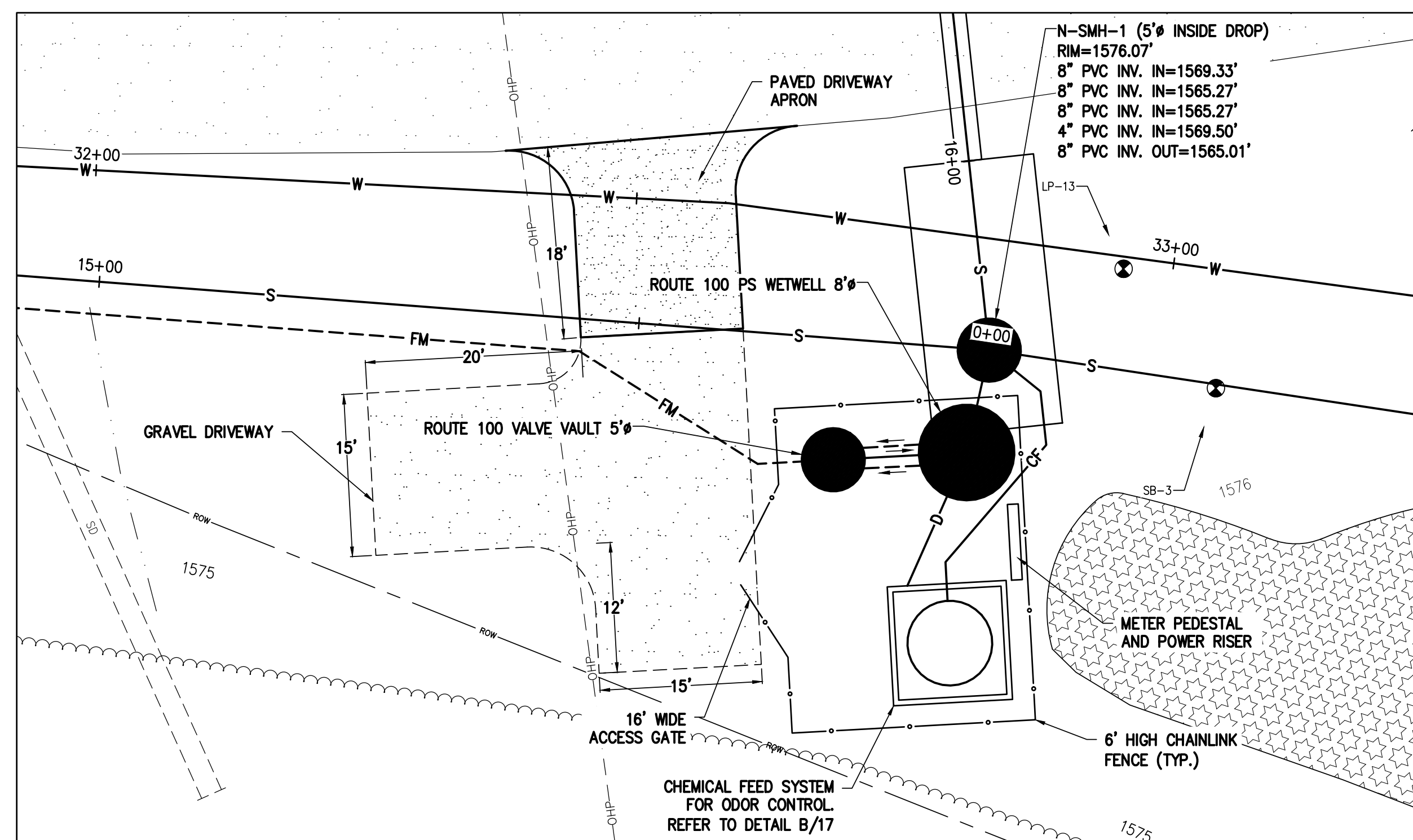
ROUTE 9 WATER AND SEWER EXTENSION
CONTRACT No. 1

EXISTING EAST MAIN STREET EJECTOR STATION DEMOLITION PLANS AND SECTIONS

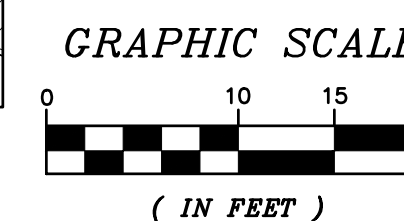
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| DESIGNED MG | PROJECT NO. 22028 |
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PROPOSED EAST MAIN STREET SITE PLAN
SCALE: 1"=10'



PROPOSED ROUTE 100 SITE PLAN
SCALE: 1"=10'



NOTES:

1. ALL WORK FOR THE EAST MAIN STREET PUMP STATION SHALL BE INCLUDED UNDER BID ITEM No. F-_____



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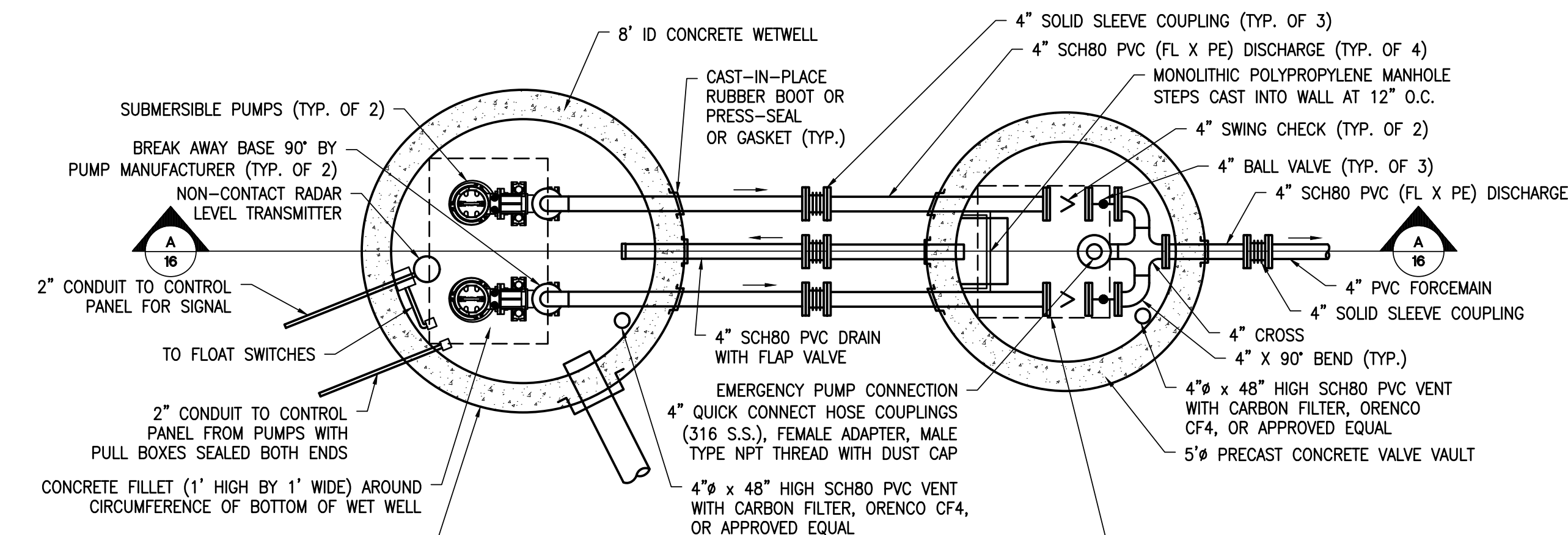
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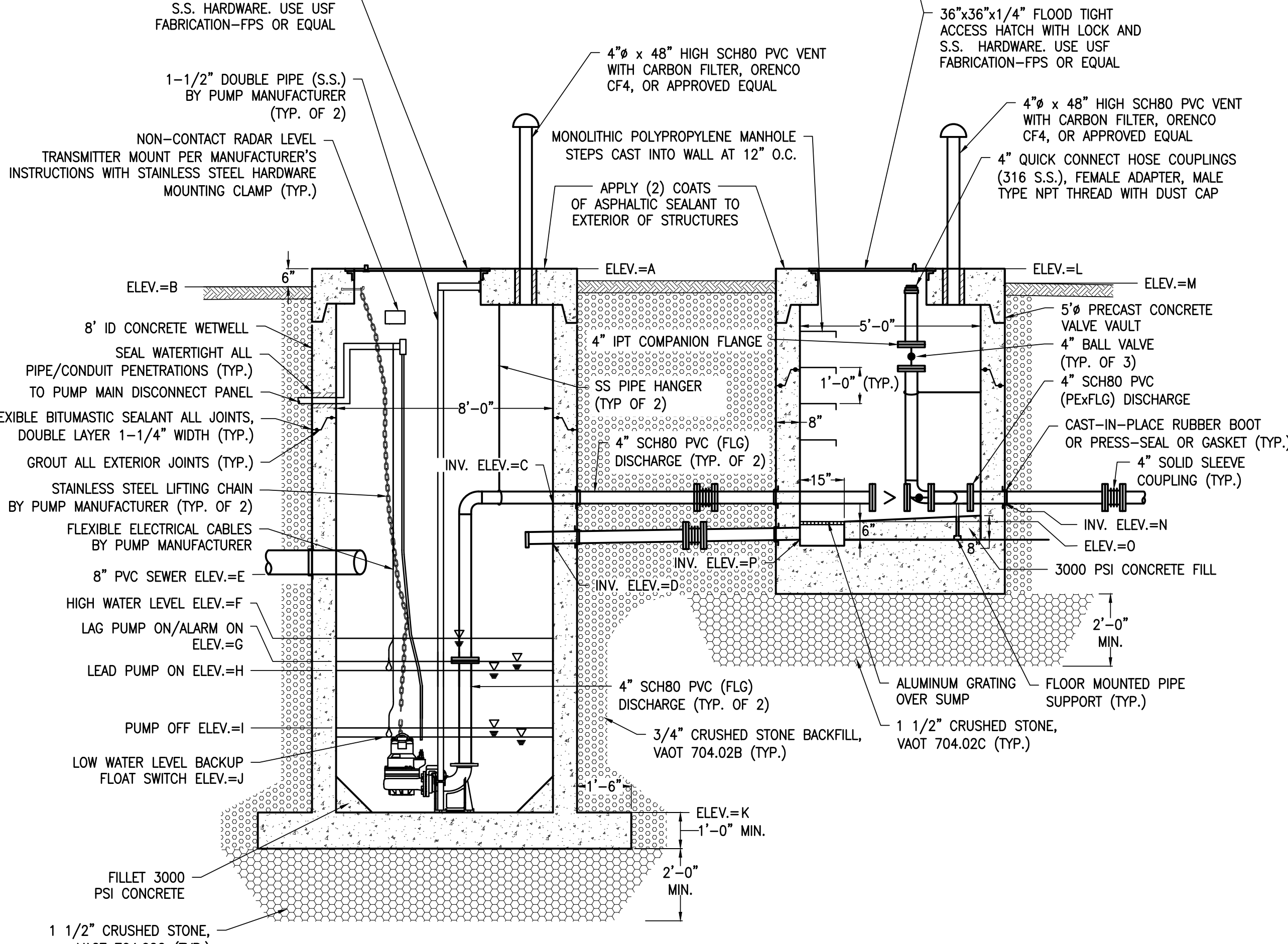
ROUTE 9 WATER
AND SEWER
EXTENSION
CONTRACT No. 1

PUMP STATIONS
PROPOSED SITE
PLANS

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| DESIGNED MG | PROJECT NO. 22028 |
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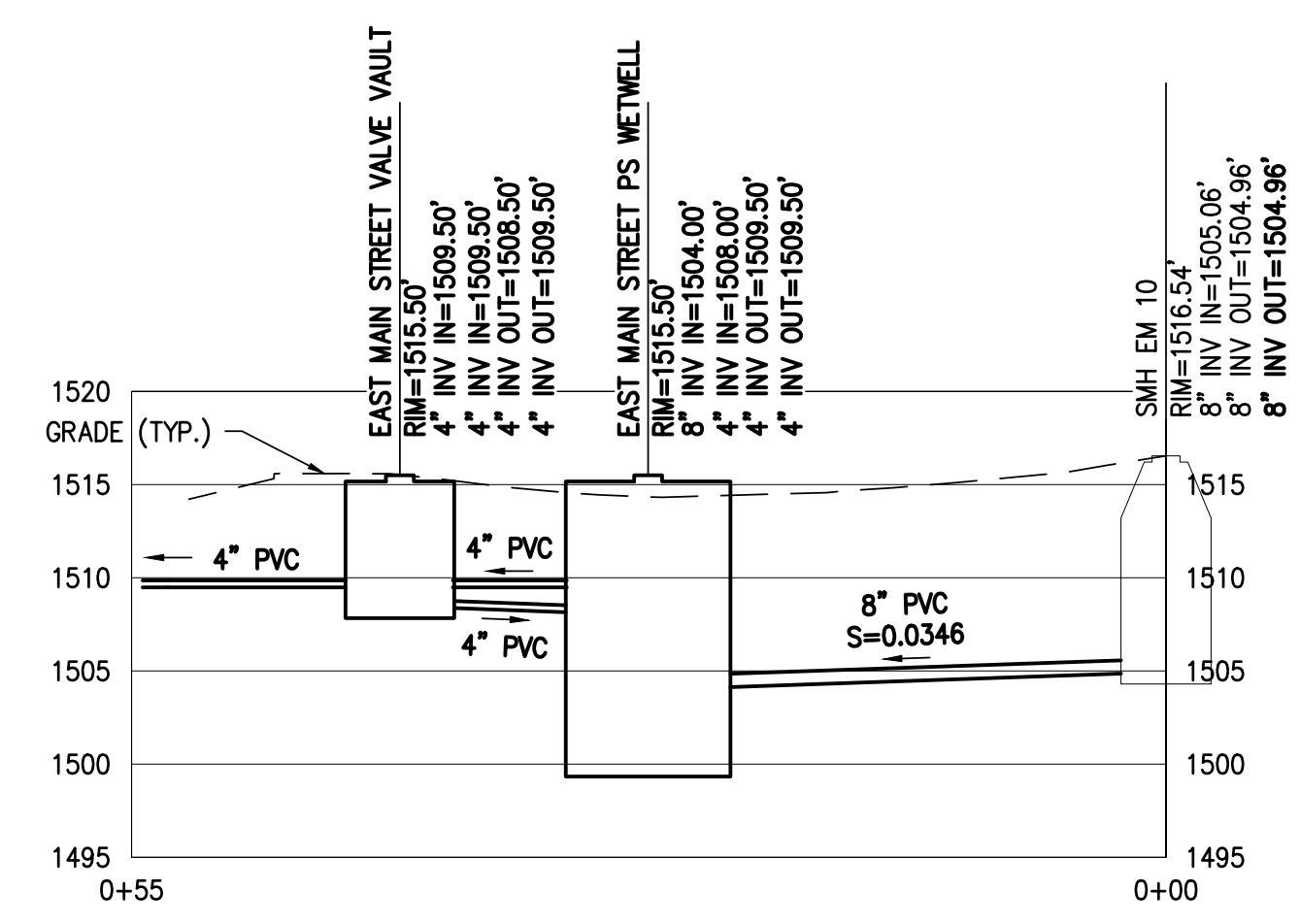


WET WELL/VALVE VAULT PLAN
SCALE: 3/8"=1'-0"

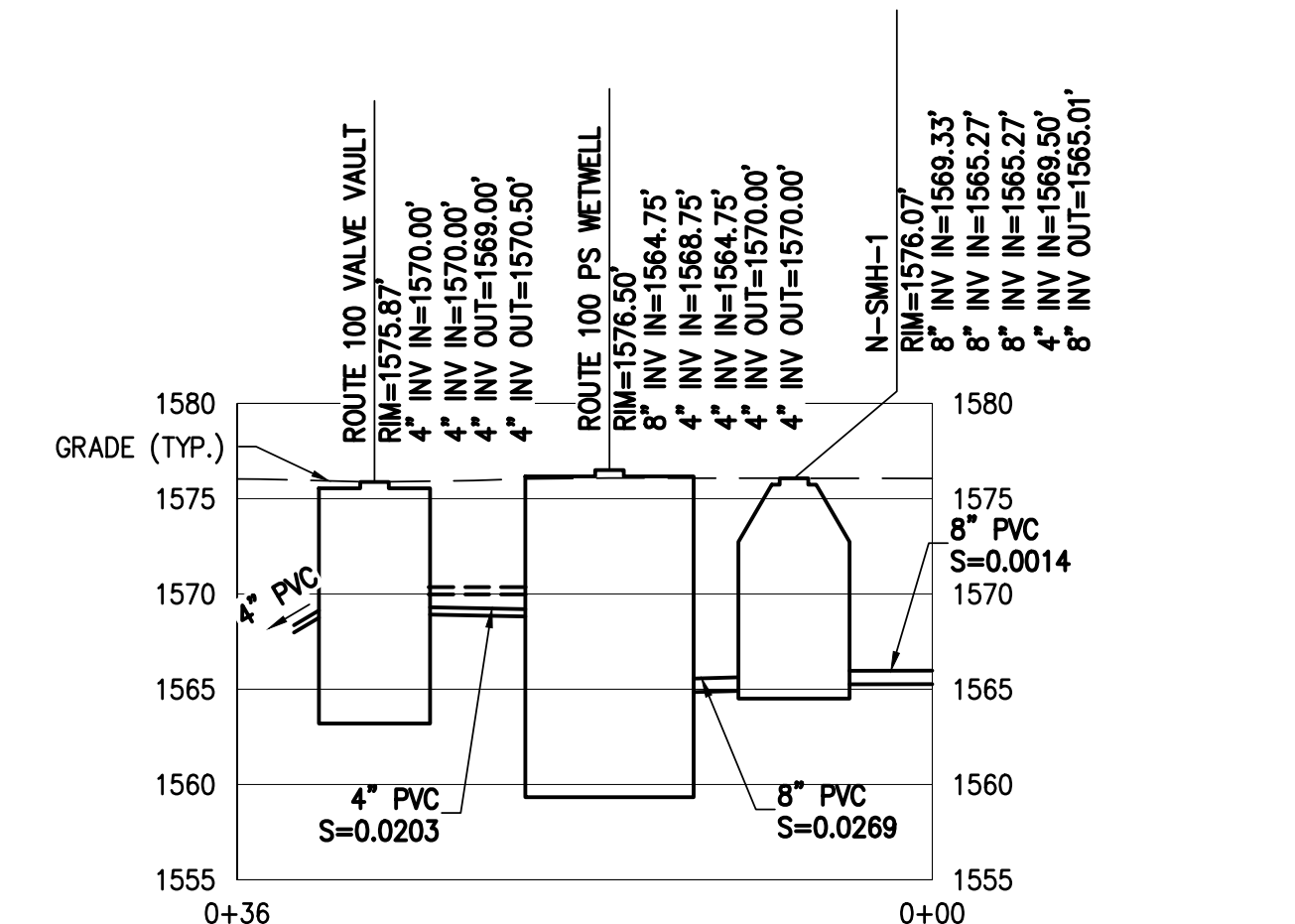


A 16 WET WELL/VALVE VAULT SECTION
SCALE: 3/8"=1'-0"

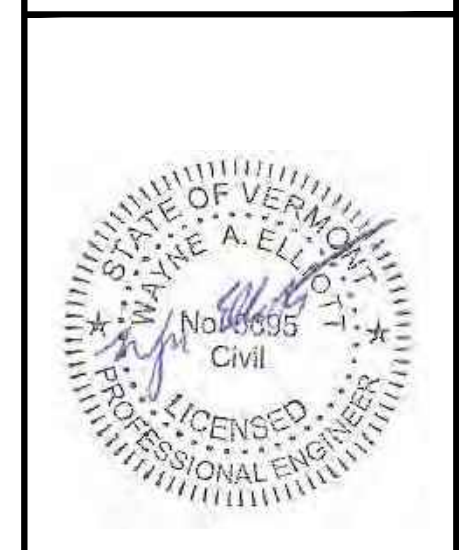
| COMPONENT | ELEVATION ID | LOCATION | EAST MAIN STREET PUMP STATION | ROUTE 100 PUMP STATION |
|------------------|--------------|------------------------|-------------------------------|------------------------|
| Wet Well | | | | |
| | A | Rim | 1515.50' | 1576.50' |
| | B | Ground | 1515.00' | 1576.00' |
| | C | Forcemain invert | 1509.00' | 1570.00' |
| | D | Drain invert | 1508.00' | 1568.75' |
| | E | Inlet sewer invert | 1504.00' | 1564.75' |
| | F | High water level | 1503.50' | 1564.25' |
| | G | Lag pump on/alarm on | 1503.25' | 1563.75' |
| | H | Lead pump on | 1503.00' | 1563.25' |
| | I | Pump off | 1501.50' | 1562.00' |
| | J | Low water/backup float | 1501.25' | 1561.75' |
| | K | Wet well bottom | 1500.00' | 1560.00' |
| Valve Pit | | | | |
| | L | Rim | 1515.50' | 1576.50' |
| | M | Ground | 1515.00' | 1576.00' |
| | N | Forcemain invert | 1509.50' | 1570.50' |
| | O | Top of sump | 1509.00' | 1570.00' |
| | P | Drain invert | 1508.50' | 1569.00' |



EAST MAIN STREET PUMP STATION PROFILE
SCALE: HORIZ. 1"=10'
VERT. 1"=10'



ROUTE 100 PUMP STATION PROFILE
SCALE: HORIZ. 1"=10'
VERT. 1"=10'



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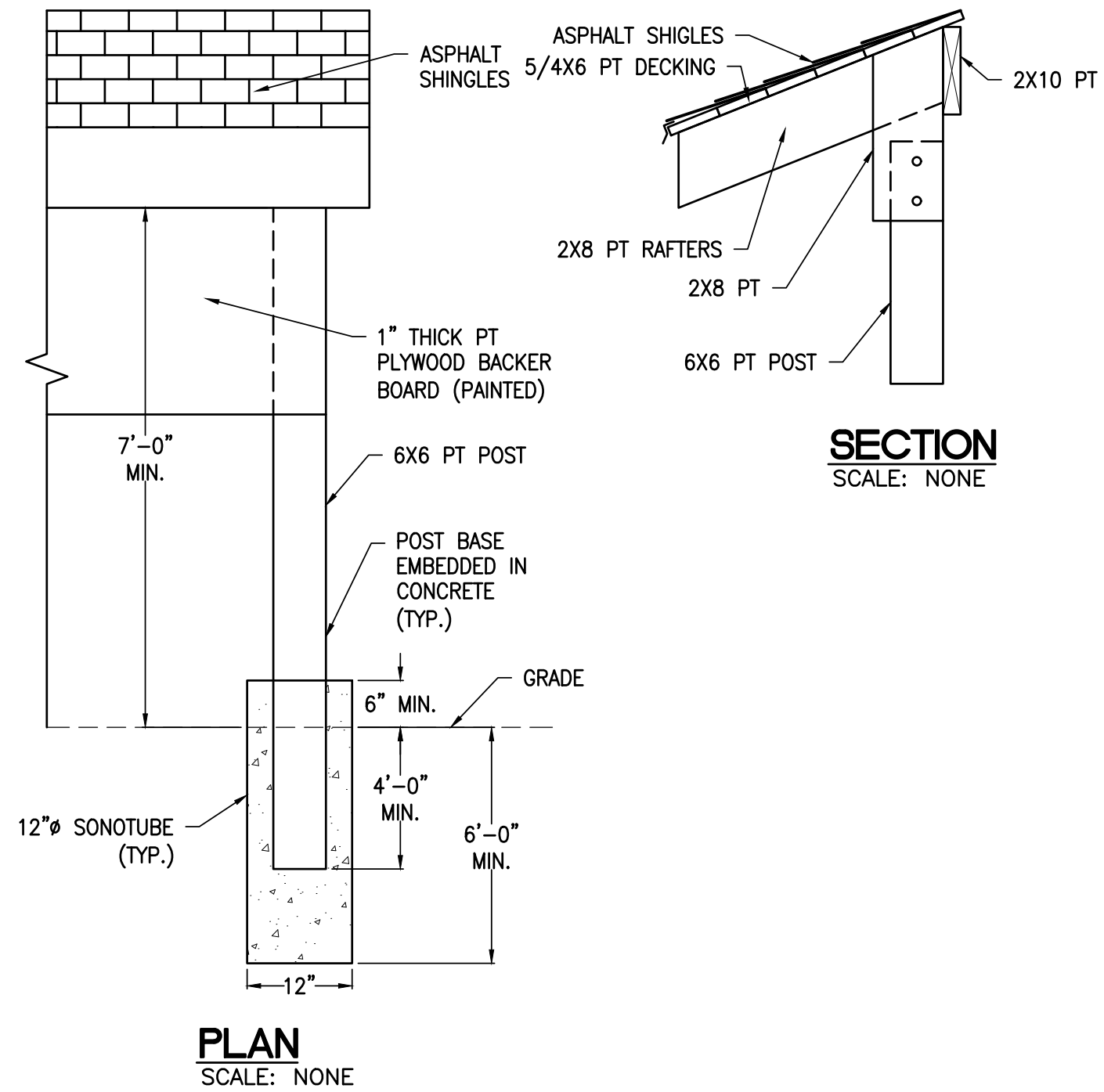
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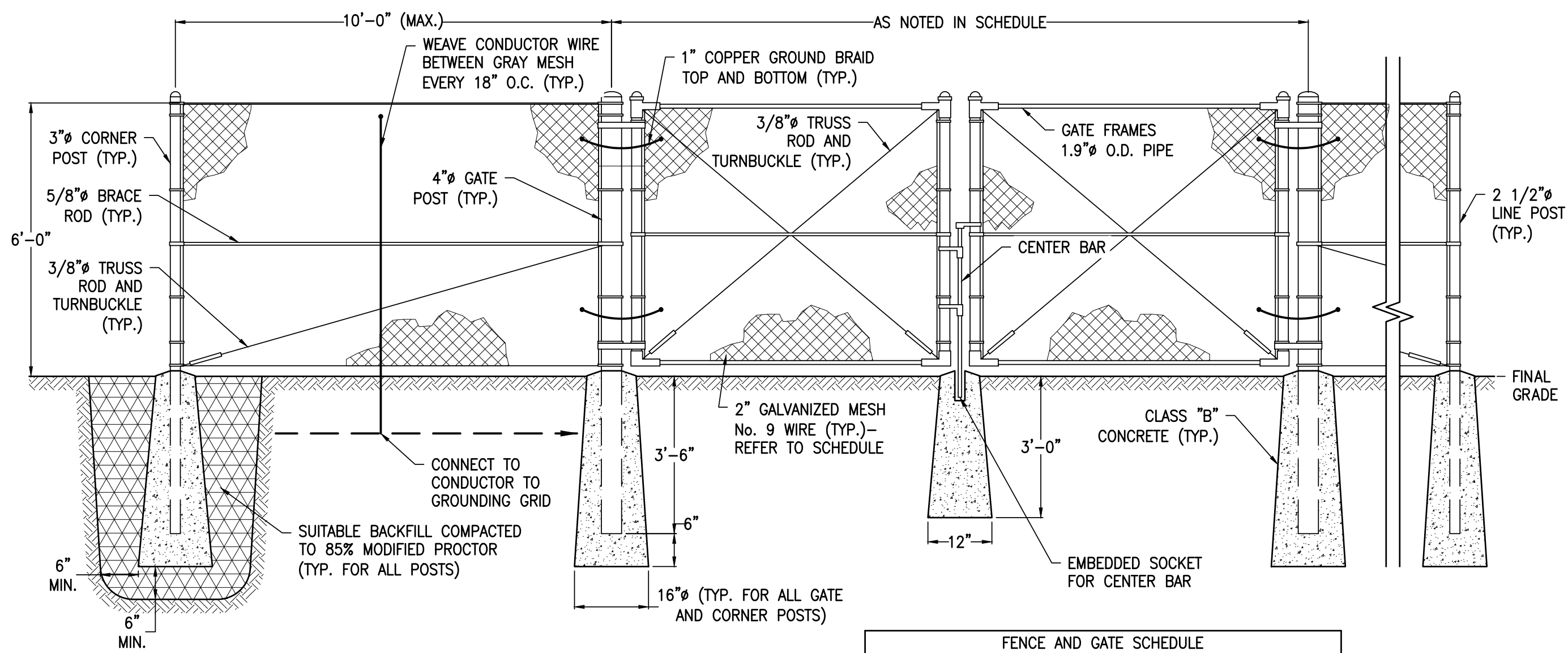
ROUTE 9 WATER AND SEWER EXTENSION CONTRACT No. 1

PUMP STATIONS PLAN, SECTIONS AND NOTES

| | |
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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 16 |
| CHECKED WAE | DATE DEC. 2024 |



A METER PEDESTAL AND POWER RISER SHED ROOF
SCALE: NONE

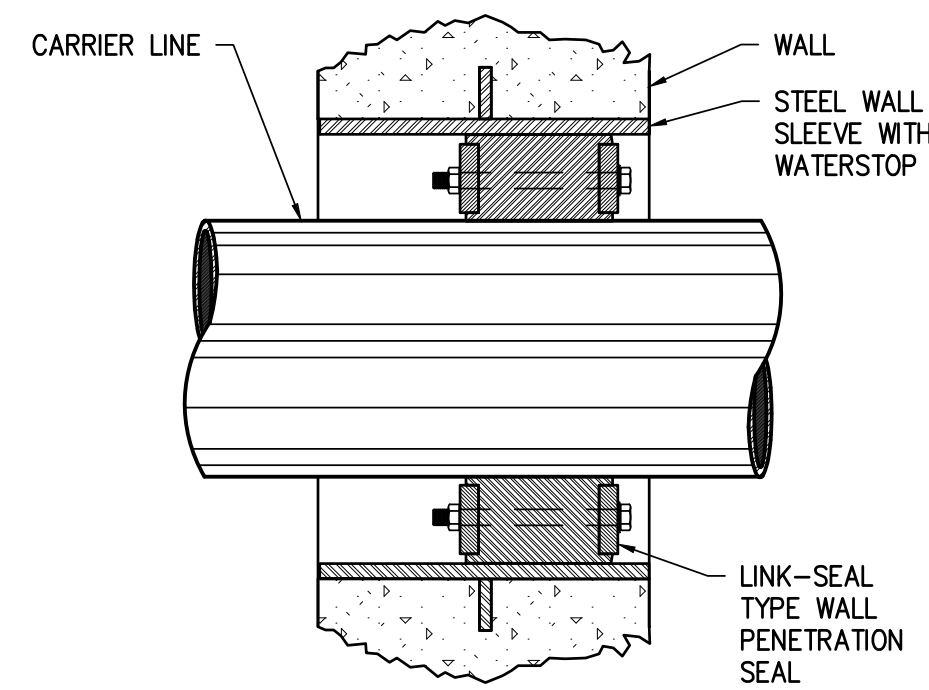


- NOTES:**
1. ALL MATERIALS TO COMPLY WITH VAOT SPEC 727.02.
 2. PROVIDE GATE STOP/CATCH FOR EACH GATE LEAF

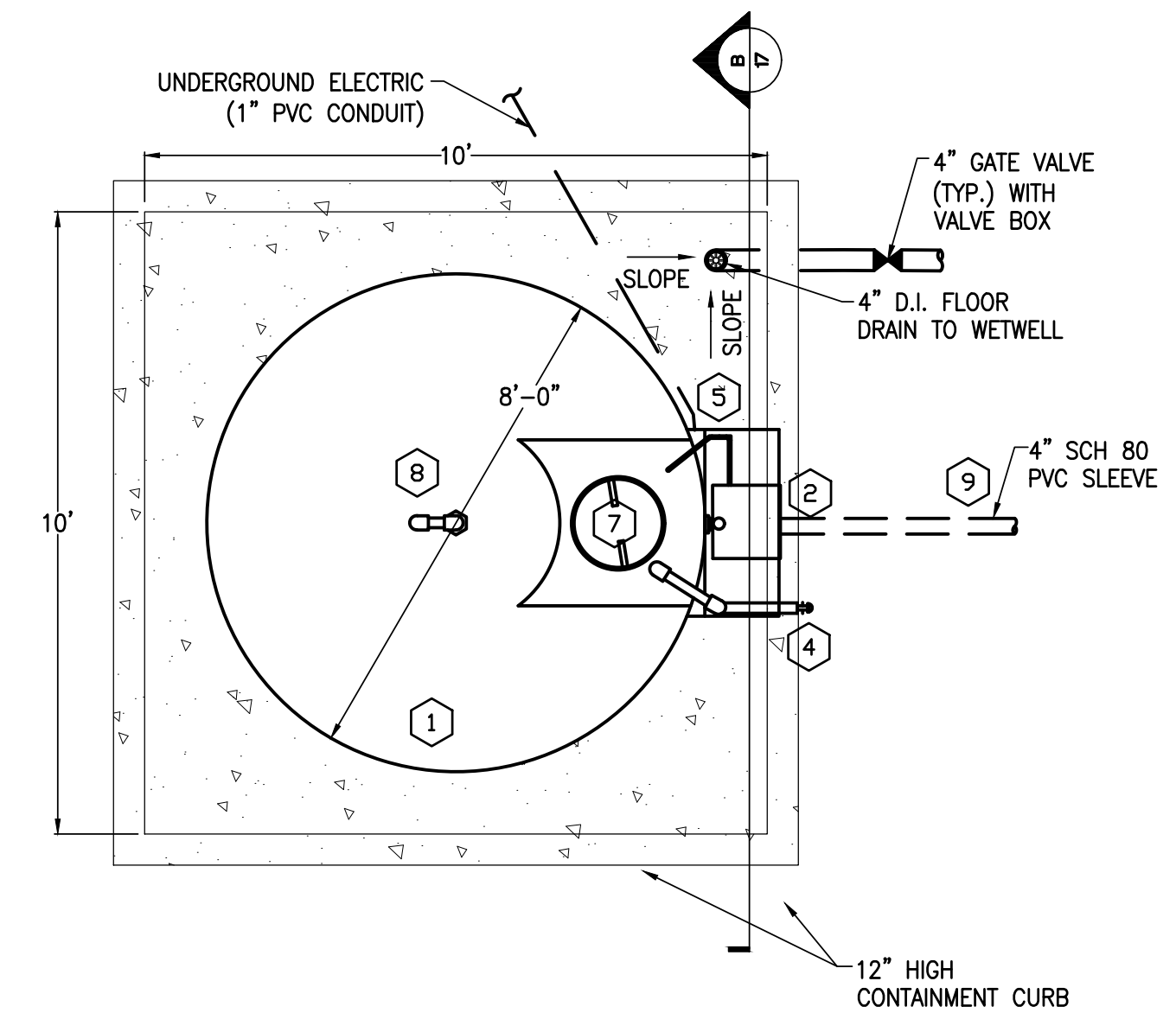
C TYPICAL CHAINLINK FENCE WITH GATE DETAIL
SCALE: NONE

| FENCE AND GATE SCHEDULE | |
|-------------------------|--|
| CHAIN LINK MESH TYPE | GREEN VINYL |
| HDPE PRIVACY SLATS | INCLUDED—SAME COLOR AS MESH |
| GATE TYPE | CANTILEVER |
| GATE WIDTH | OPENING: 15 FEET — SLIDES LEFT |
| TOTAL GATE LENGTH | 23 FEET |
| GATE OPERATOR | INCLUDE AUTOMATIC GATE OPERATOR WITH ACCESSORIES |
| GATE OPTIONS | PER SECTION 02831, 2.1H |

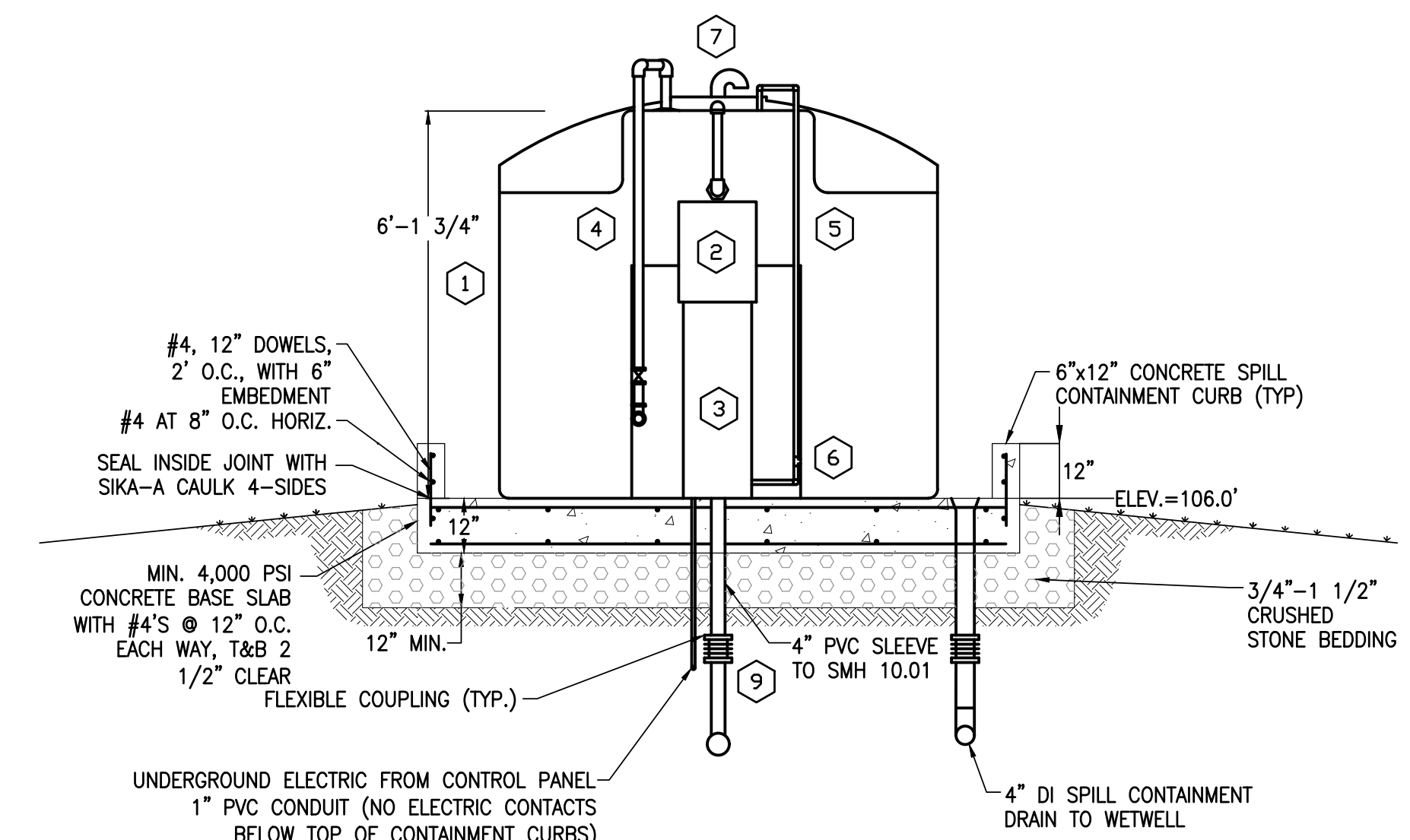
- NOTES:**
1. REFER TO SECTION 02831 FOR ADDITIONAL REQUIREMENTS.



D LINK-SEAL DETAIL
SCALE: NONE



PLAN
SCALE: 3/8"=1'-0"



SECTION A-A
SCALE: 3/8"=1'-0"

B CHEMICAL FEED SYSTEM (ODOR CONTROL)
SCALE: 3/8"=1'-0"

LEGEND

- 1 1700 GALLON BULK CHEMICAL STORAGE TANK (CROSS-LINKED HDPE WITH 1.9 SG RATING) FOR CALCIUM NITRATE STORAGE
- 2 STAINLESS STEEL CHEMICAL FEED CONTROL PANEL AND PUMPING CHAMBER WITH DUPLEX DIAPHRAM CHEMICAL METERING PUMPS, SEPARATE PUMP TIMERS, HOA SWITCHES, GFCl OUTLET AND PUMP RUN LIGHTS
- 3 STAINLESS STEEL PEDESTAL CABINET WITH CALIBRATION TUBE, (2)-3 WAY VALVES, 1/2" DIA. PE TUBING AND ELECTRICAL DISCONNECT SWITCH
- 4 2" SCH 80 PVC FILL PIPING
- 5 1/2" SCH 80 PVC SUCTION PIPING
- 6 1/2" PVC TRUE UNION BALL VALVE AND WYE STRAINER
- 7 24" DIA. THREADED HDPE MANHOLE ACCESS COVER
- 8 2" SCH 80 PVC VENT
- 9 (2) 1/2" PE CHEMICAL FEED LINES INSIDE (1) 4" SCH 80 PVC SLEEVE

ODOR CONTROL SYSTEM NOTES:

1. REFER TO SECTION 11265 — CHEMICAL FEED EQUIPMENT (ODOR CONTROL) FOR ADDITIONAL INFORMATION.



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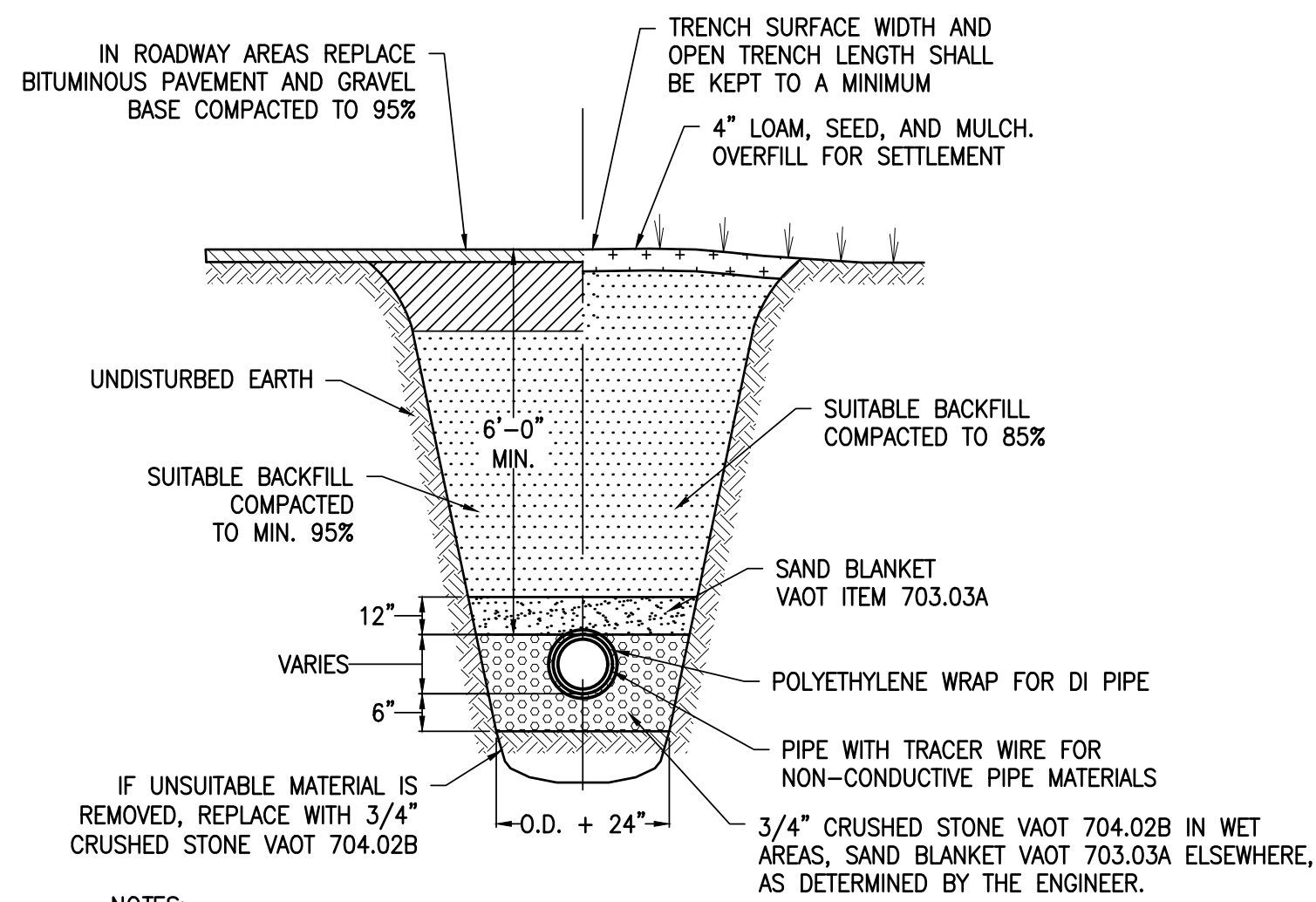
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TOWN OF WILMINGTON, VERMONT

ROUTE 9 WATER AND SEWER EXTENSION CONTRACT No. 1

PUMP STATION DETAILS

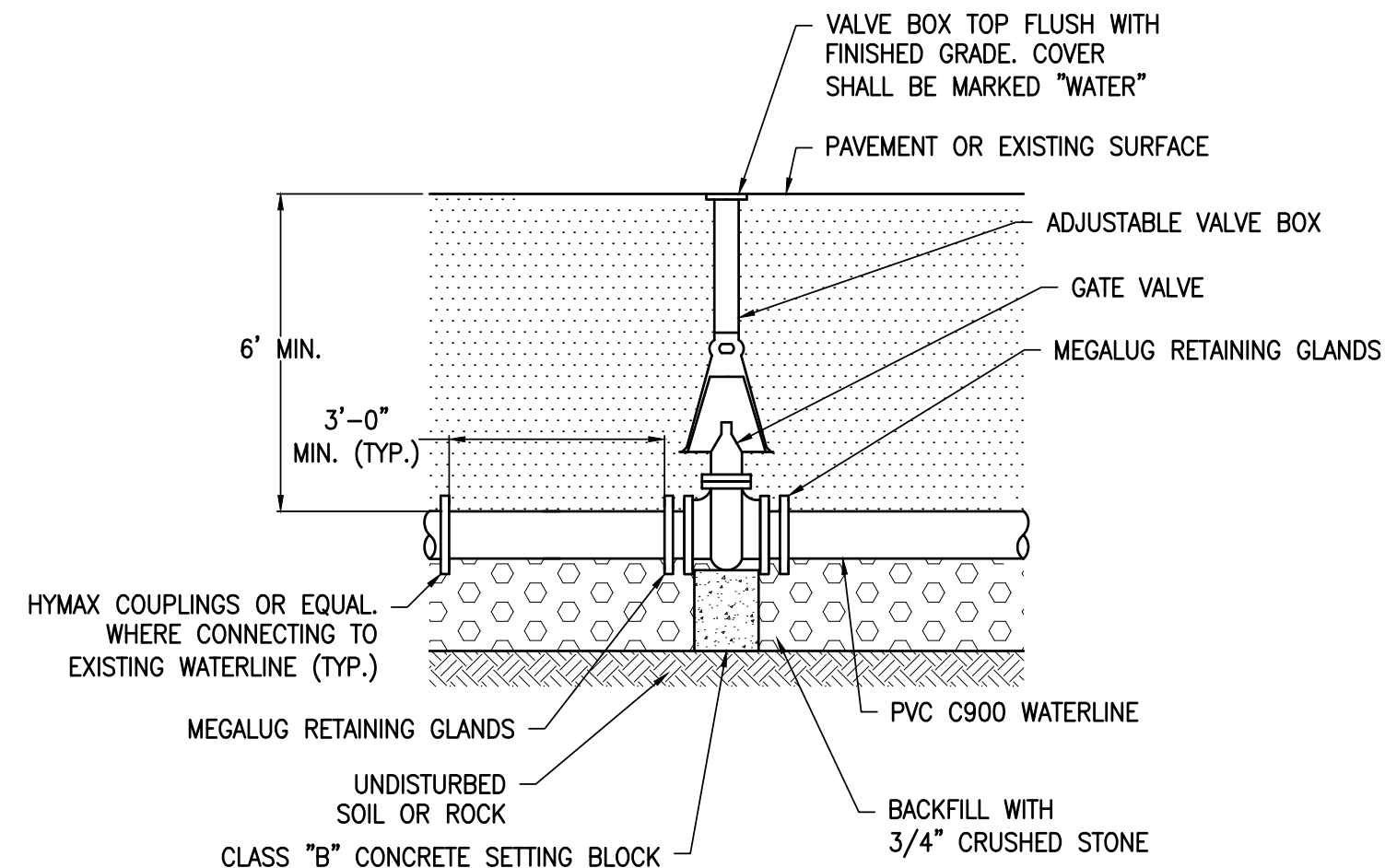
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| DESIGNED MG | PROJECT NO. 22028 |
| DRAWN JEB | DRAWING 17 |
| CHECKED WAE | DATE DEC. 2024 |



NOTES:

1. NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PIPE TO INSURE PIPE IS NOT DAMAGED.
2. BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.

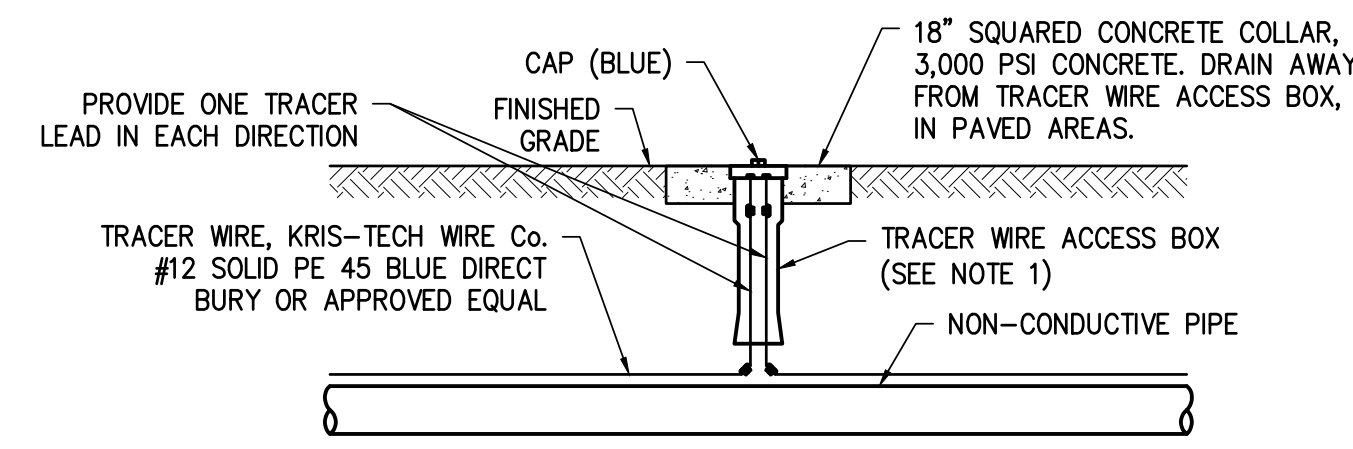
A TYPICAL WATERLINE TRENCH DETAIL
SCALE: NONE



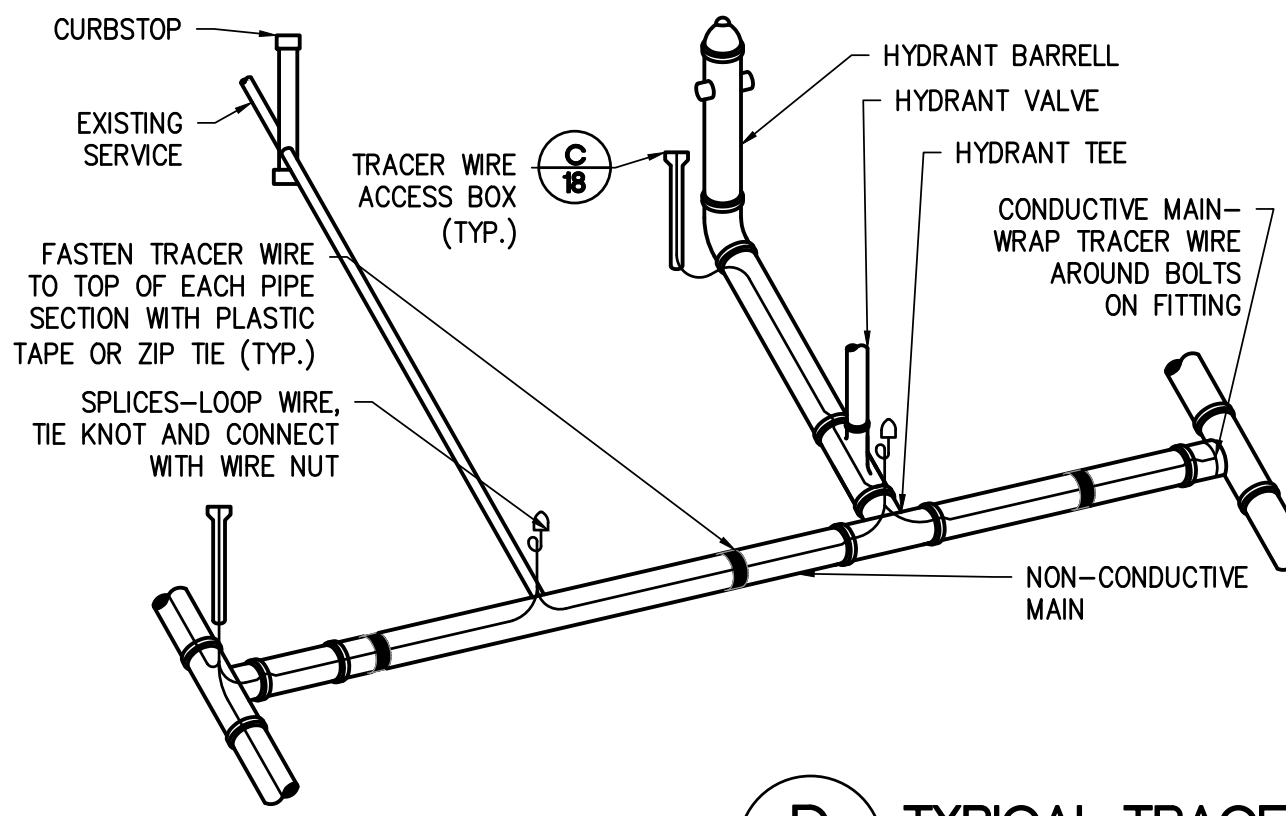
NOTES:

1. WHERE GATE VALVES ARE TO BE INSTALLED NEAR OR ADJACENT TO TEES, THEY SHALL BE RESTRAINED DIRECTLY TO THE TEE USING THREADED ROD OR OTHER METHOD APPROVED BY THE ENGINEER.

B TYPICAL GATE VALVE INSTALLATION DETAIL
SCALE: NONE



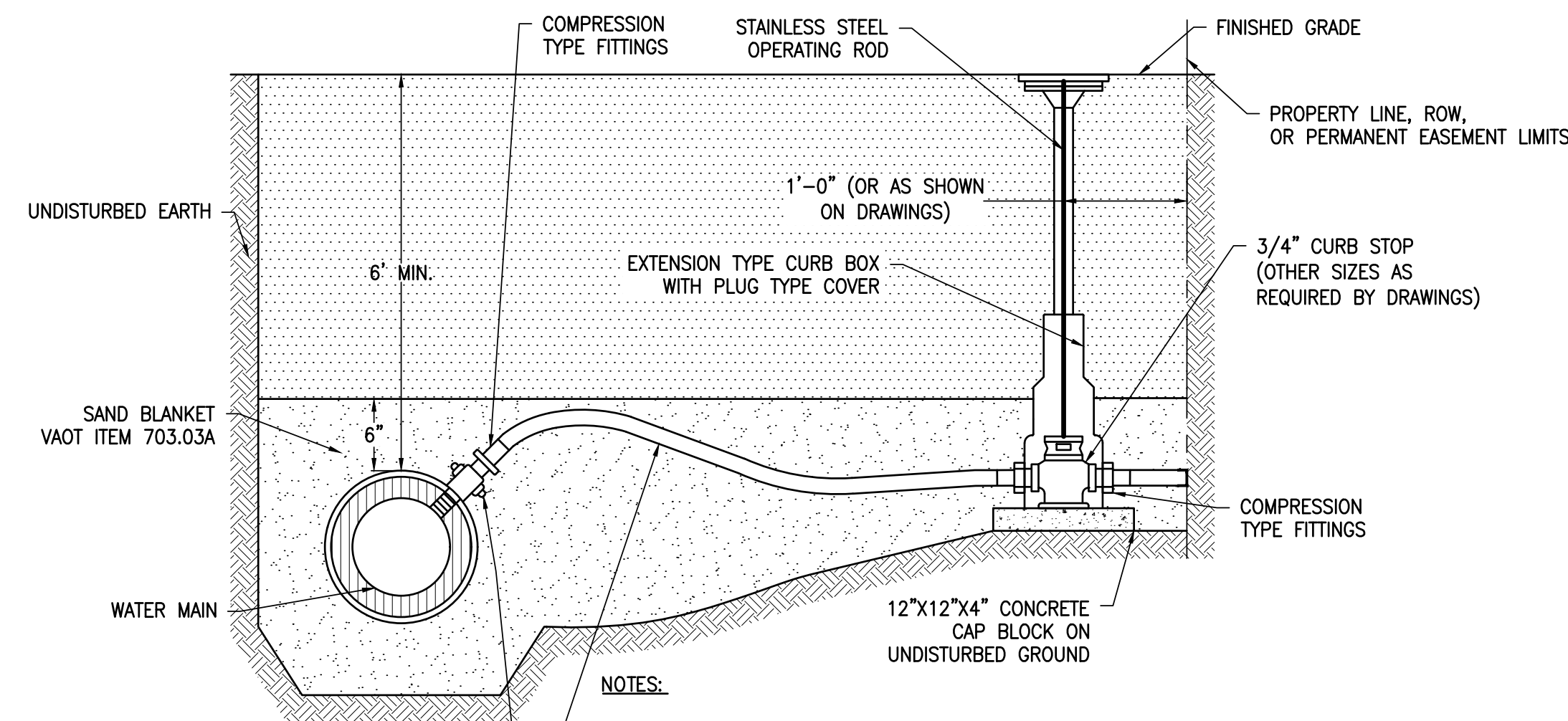
C TRACER WIRE ACCESS BOX DETAIL
SCALE: NONE



D TYPICAL TRACER WIRE DETAIL
SCALE: NONE

NOTES:

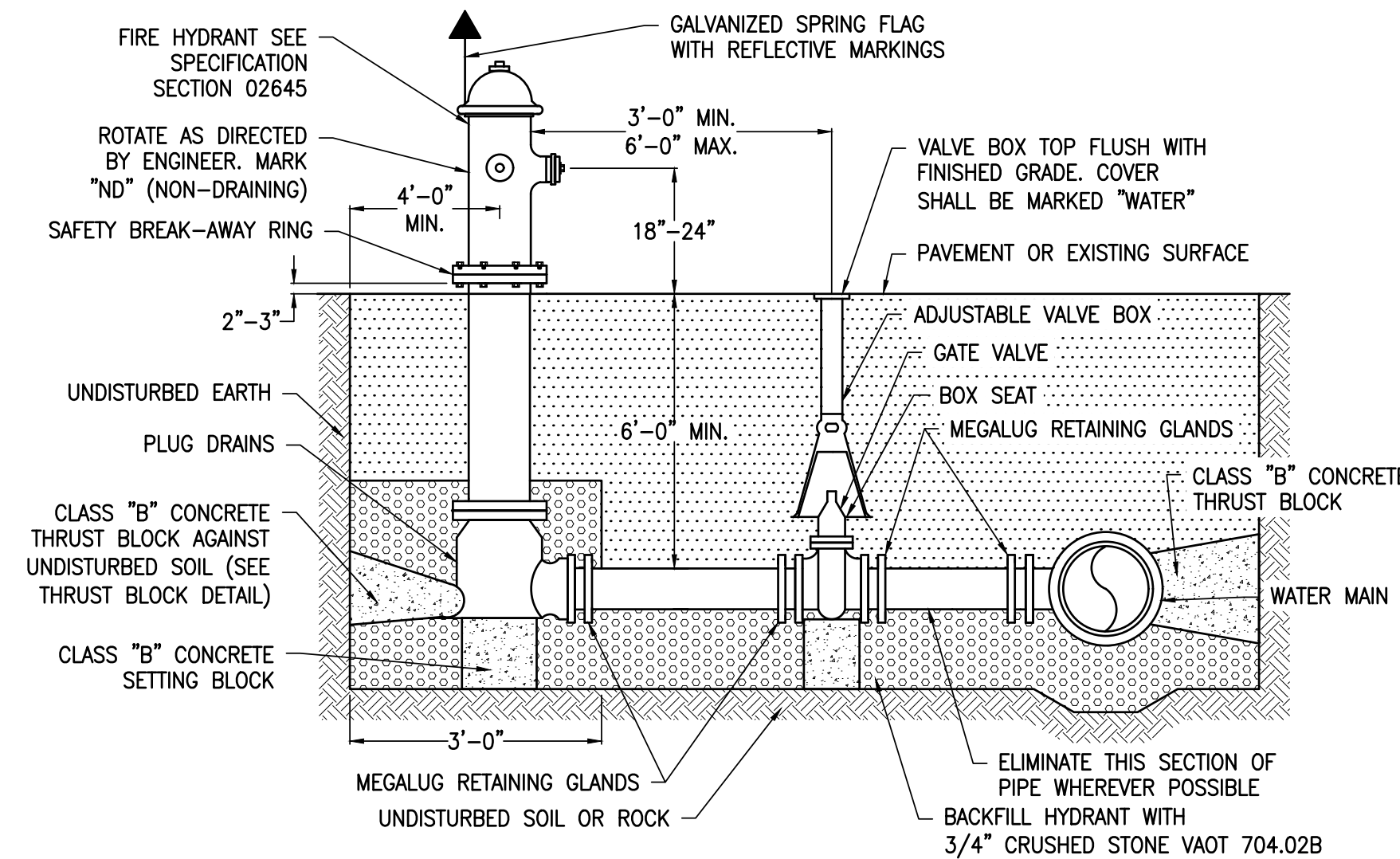
1. TRACER WIRE SHALL BE TERMINATED AT EACH END IN A FLUSH MOUNT ACCESS BOX. ACCESS BOX SHALL HAVE A CAST IRON LID THAT CAN BE LOCKED AND OPENED WITH A STANDARD PENTAGON HEAD KEY WRENCH. TRACER WIRES SHALL BE STRIPPED AND ATTACHED TO STAINLESS STEEL SCREWS MOUNTED TO THE UNDERSIDE OF THE LID. SUFFICIENT SLACK (12" MIN.) SHALL BE LEFT IN WIRE LENGTH SO COVER CAN BE LIFTED WITH WIRE INTACT. TRACER WIRE ACCESS BOX SHALL BE LOCATED OVER PIPE LINE TO WHICH TRACER LEAD IS ATTACHED AND SET TO GRADE. TRACER WIRE ACCESS BOX SHALL BE VALVCO TWAB OR APPROVED EQUAL.
2. TRACER WIRE ACCESS POINTS SHALL IN GENERAL BE NO MORE THAN 500 FEET APART. ACCESS BOX SHALL BE LOCATED IN GRASS AREAS WHENEVER POSSIBLE.
3. TRACER WIRE SHALL BE INSTALLED FOR ALL SERVICES AND TERMINATED AT GRADE. THE TRACER WIRE SHALL BE SECURED TO THE EXTERIOR OF THE CURB BOX IN A MANNER AS DESCRIBED IN THE SPECIFICATIONS FOR SECURING TRACER WIRE. FURTHER, THE TERMINATED END OF THE TRACER WIRE SHALL BE PROTECTED BY MEANS SIMILAR TO THAT DESCRIBED IN THE SPECIFICATION. NO TRACER BOX IS REQUIRED FOR SERVICE CONNECTIONS.



NOTES:

1. TEFLON THREAD SEALANT TAPE SHALL BE USED ON ALL CORPORATION STOPS PRIOR TO INSERTION.
 - a. SPIRAL WRAP COMPLETELY COVERING THE THREAD AREA WITH TWO WRAPS.
 - b. PIPE DOPE OR OTHER LIQUID THREAD SEALANTS ARE NOT ACCEPTABLE.
2. LEAVE ONE TO THREE THREADS SHOWING OUTSIDE OF PIPE. (A TORQUE OF 35 LBS. OR LESS IS RECOMMENDED).
3. CORPORATION STOPS SHALL NOT BE PLACED LESS THAN 12" APART ALONG PIPE.
4. DOUBLE STRAP SADDLES SHALL BE USED ON ALL CORPORATION STOPS FOR PVC PIPE.

E TYPICAL WATER SERVICE CONNECTION DETAIL
SCALE: NONE



NOTES:

1. BRANCH PIPING AND FITTINGS SHALL BE MECHANICAL JOINT WITH RETAINING GLANDS.
2. HYDRANTS WHICH ARE INSTALLED WHERE THE GROUND WATER TABLE IS ABOVE THE HYDRANT WASTE ORIFICES SHALL HAVE THE ORIFICES PLUGGED. HYDRANTS WITH PLUGGED ORIFICES SHALL BE LABELED "ND" FOR NON-DRAINING IN 3" HIGH ORANGE PAINTED LETTERS ON THE BONNET FACING THE ROAD. HYDRANT DRAIN SHALL BE LEFT PLUGGED AS DETERMINED BY THE ENGINEER.
3. GROUND AT HYDRANT SHALL BE AT STREET LEVEL. PROVIDE FILL AS NECESSARY TO RAISE HYDRANT UP TO STREET LEVEL. FILL SHALL EXTEND TO THE SHOULDER OF STREET AS NECESSARY TO ALLOW ACCESS FROM THE STREET TO THE HYDRANT ON THE SAME LEVEL AS THE STREET. WIDTH AT THE TOP OF FILL BETWEEN HYDRANT AND STREET SHALL BE A MINIMUM OF 8 FEET. COST FOR ANY FILL REQUIRED TO RAISE GROUND TO STREET LEVEL SHALL BE INCLUDED IN COST OF HYDRANT BID ITEM.
4. USE MECHANICAL JOINT OFFSETS AS NECESSARY TO ACHIEVE SPECIFIED BURY DEPTH OF HYDRANT. COST OF ANY OFFSET SHALL BE INCLUDED IN THE UNIT PRICE FOR HYDRANT INSTALLATION.
5. ALL HYDRANT BOLTS AND NUTS BELOW GRADE SHALL BE STAINLESS STEEL.
6. HYDRANT BRANCH CONNECTION PAY ITEM INCLUDES ALL PIPE, VALVE, FITTINGS, GLANDS, HYDRANT AND APPURTENANCES FROM TEE BRANCH TO HYDRANT.

F TYPICAL FIRE HYDRANT DETAIL
SCALE: NONE



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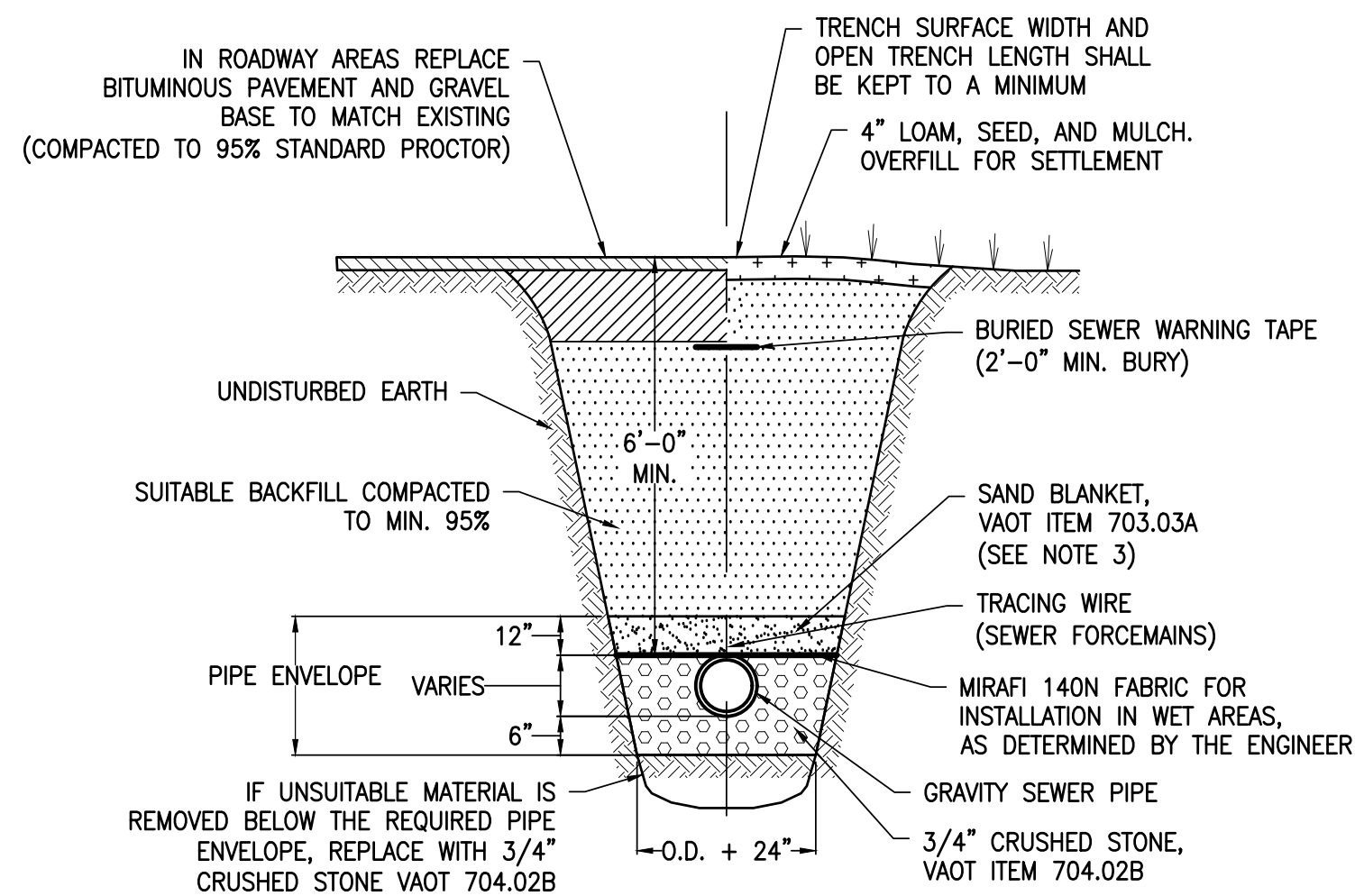
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TOWN OF
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ROUTE 9 WATER
AND SEWER
EXTENSION
CONTRACT No. 1

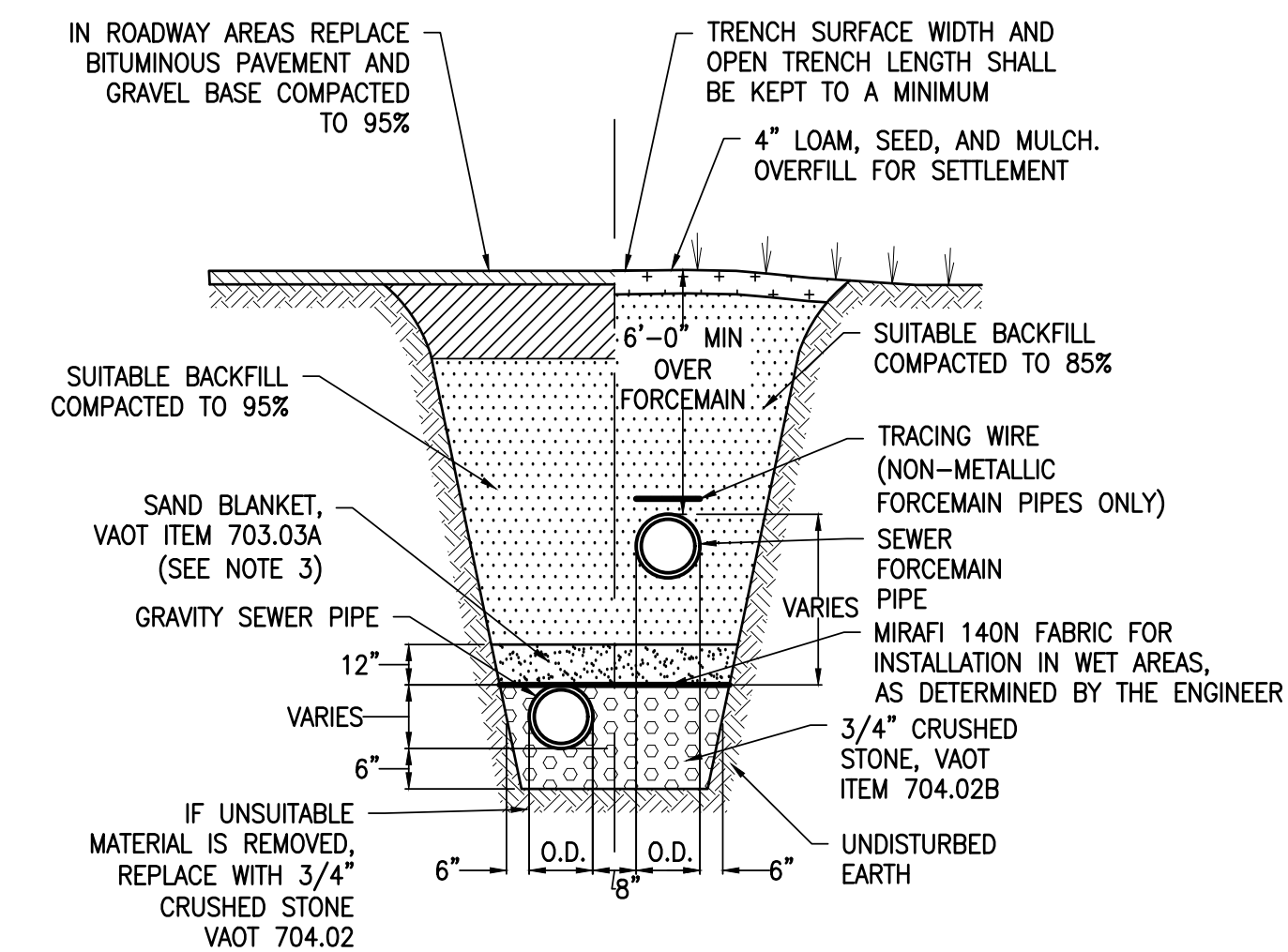
WATER DETAILS

| DESIGNED | PROJECT NO. |
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| MG | 22028 |
| DRAWN | DRAWING |
| JEB | 18 |
| CHECKED | DATE |
| WAE | DEC. 2024 |



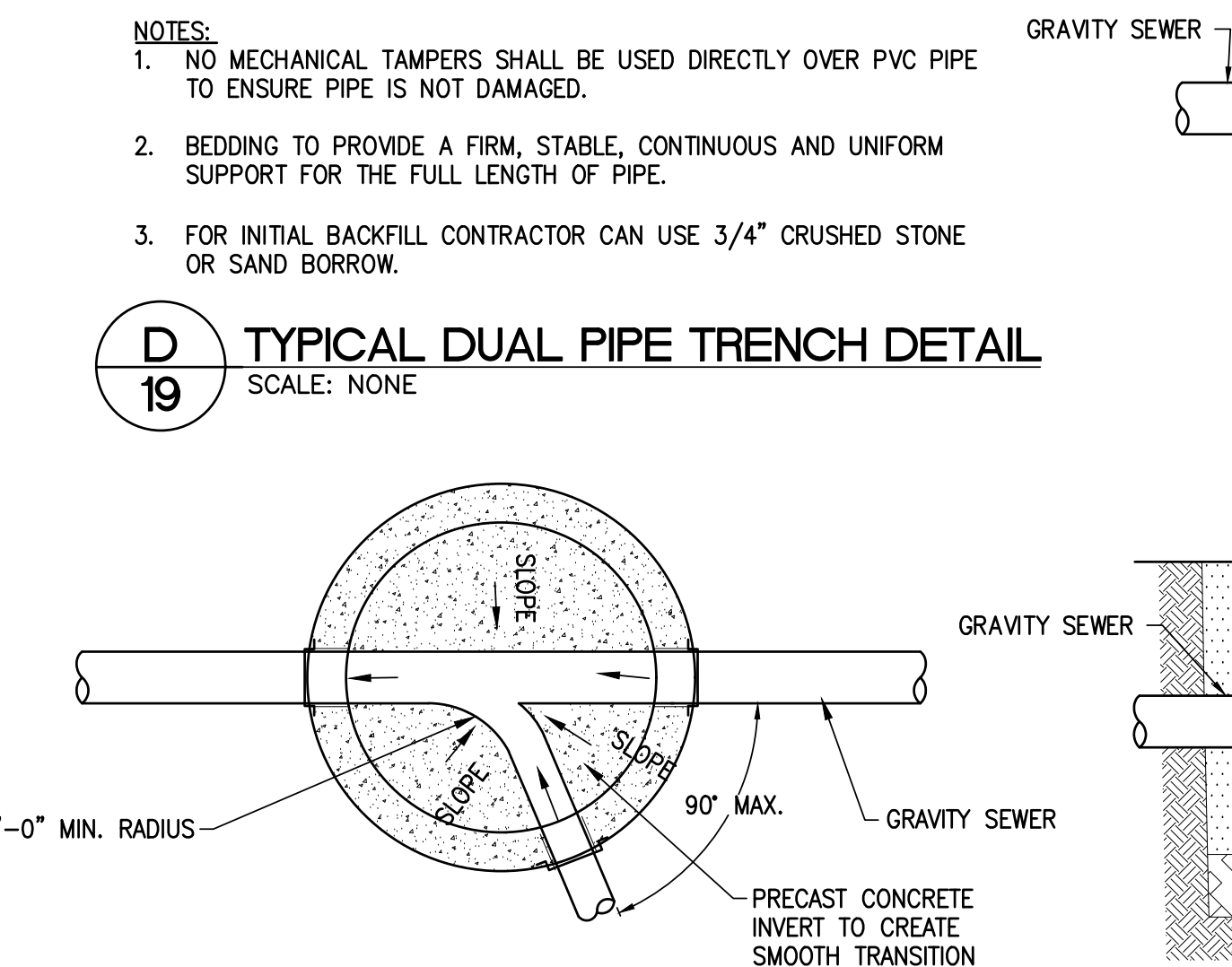
- NOTES:**
- NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PVC PIPE TO ENSURE PIPE IS NOT DAMAGED.
 - BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
 - FOR INITIAL BACKFILL CONTRACTOR CAN USE 3/4" CRUSHED STONE OR SAND BORROW.

A TYPICAL SEWER/FORCE MAIN PIPE TRENCH DETAIL
SCALE: NONE



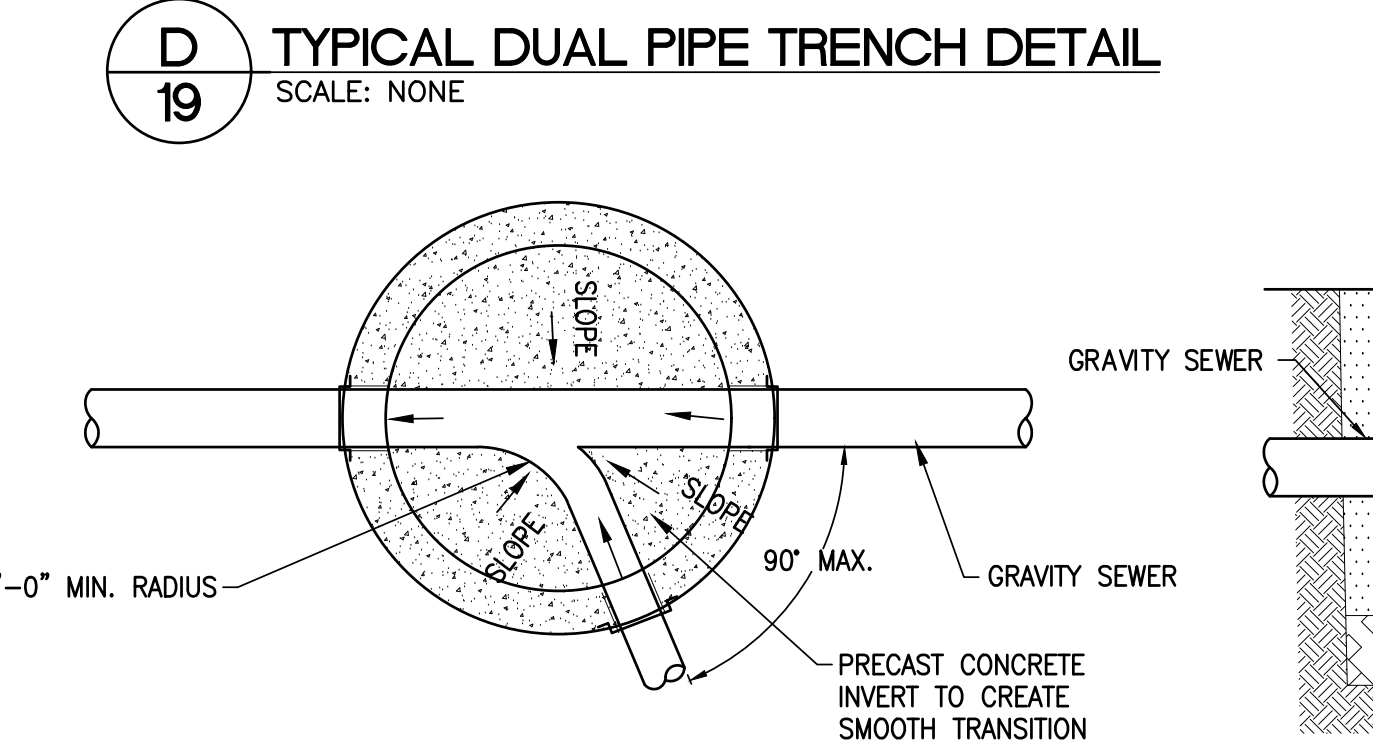
- MANHOLE NOTES:**
- INVERTS OF MANHOLE SHALL BE LINED WITH PRECAST CONCRETE.
 - PROVIDE SMOOTH SWEEPING TRANSITIONS BETWEEN INVERTS OF INLET AND OUTLET PIPES. NO GAP IS ALLOWED BETWEEN THE SHELF/TROUGH AND INNER WALL OF MANHOLE AROUND THE PIPE.
 - IF DEPTH OF MANHOLE IS 7 FEET OR LESS FROM RIM TO CENTERLINE INVERT THEN A FLAT TOP SHALL BE INSTALLED IF DEPTH OF MANHOLE FROM RIM TO CENTERLINE INVERT IS MORE THAN 7 FEET THEN A CONICAL TOP SHALL BE INSTALLED.

B TYPICAL SANITARY SEWER CONICAL MANHOLE DETAIL
SCALE: NONE



- MANHOLE NOTES:**
- INVERTS OF MANHOLE SHALL BE LINED WITH PRECAST CONCRETE.
 - PROVIDE SMOOTH SWEEPING TRANSITIONS BETWEEN INVERTS OF INLET AND OUTLET PIPES. NO GAP IS ALLOWED BETWEEN THE SHELF/TROUGH AND INNER WALL OF MANHOLE AROUND THE PIPE.
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C TYPICAL SANITARY SEWER FLAT TOP MANHOLE DETAIL
SCALE: NONE

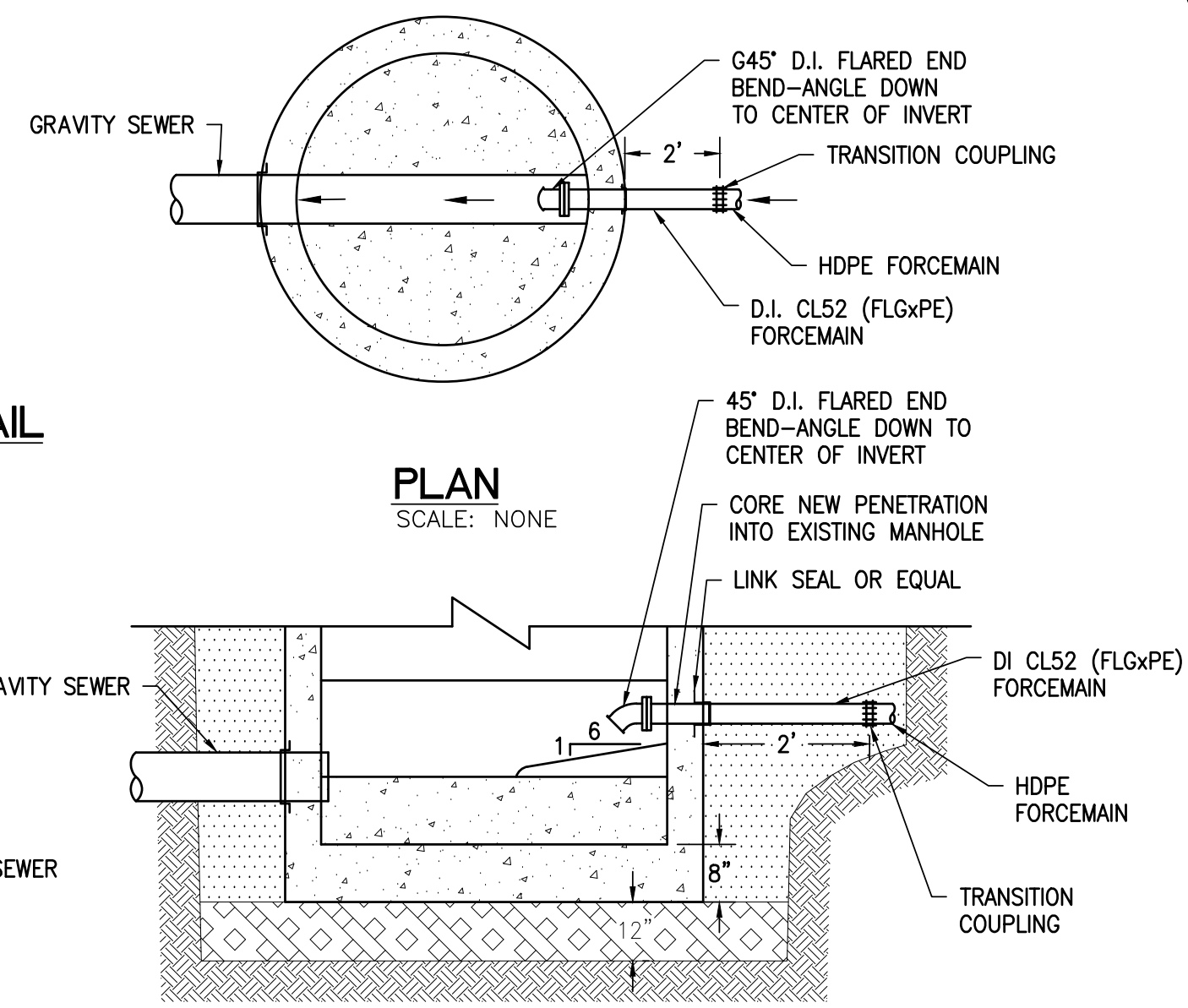


- NOTES:**
- NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PVC PIPE TO ENSURE PIPE IS NOT DAMAGED.
 - BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
 - FOR INITIAL BACKFILL CONTRACTOR CAN USE 3/4" CRUSHED STONE OR SAND BORROW.

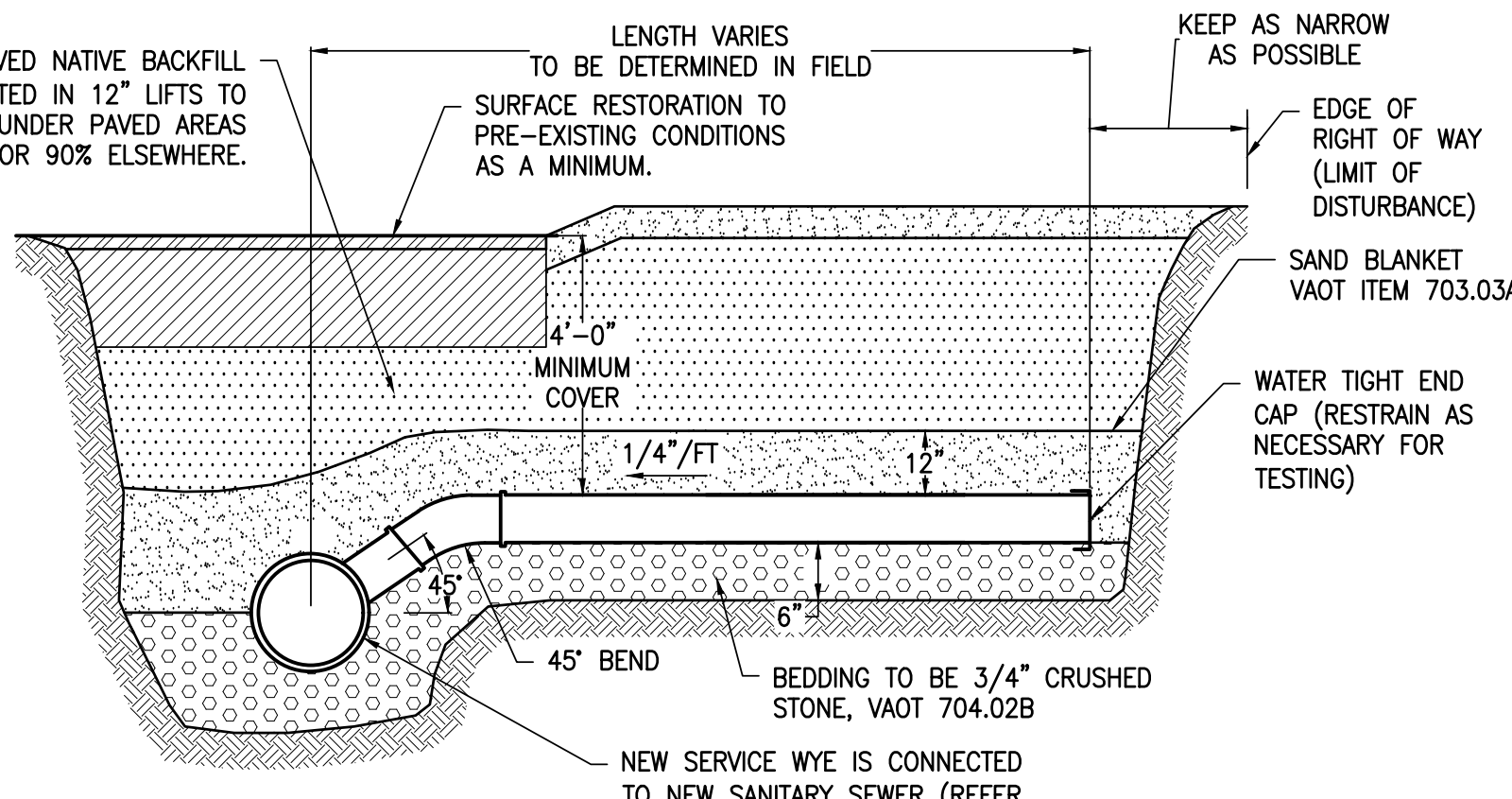
D TYPICAL DUAL PIPE TRENCH DETAIL
SCALE: NONE



E SANITARY MANHOLE PLAN
SCALE: NONE

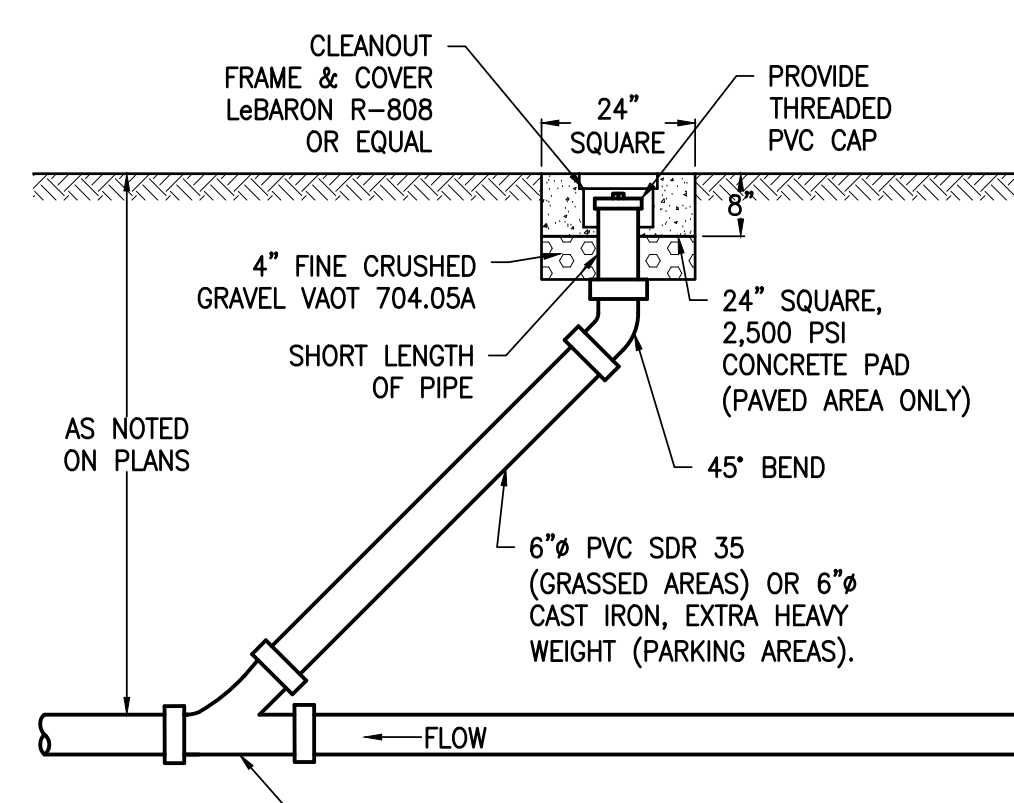


F TYPICAL FORCE MAIN SEWER MANHOLE INLET DETAIL
SCALE: NONE



- NOTES:**
- ALIGN WYE SO AS THE SERVICE END IS DIRECTED UPSTREAM TO THE SEWAGE FLOW.
 - THREE (3) TIES SHALL BE TAKEN OF THE CAPPED END OF ALL LATERALS.
 - EACH NEW SERVICE LATERAL TO BE PRESSURE TESTED ALONG WITH SEWER.
 - EXTEND EACH SERVICE LATERAL TO THE LIMITS SHOWN ON THE DRAWINGS AND RECONNECT TO EXISTING SERVICE LATERALS AFTER TESTING.
 - MAINTAIN A CONSTANT SLOPE FROM WYE TO END CAP. MINIMUM SLOPE SHALL BE 1/4"/FT FOR 4" SERVICES AND 0.006 FT/FT FOR 6" SERVICES.
 - PROVIDE INSULATION AS FOLLOWS:
 - FOR PLOWED AREAS WHERE 5' OF COVER CANNOT BE MAINTAINED.
 - FOR UNPLOWED AREAS WHERE 4' OF COVER CANNOT BE MAINTAINED.

G TYPICAL SANITARY SEWER SERVICE DETAIL
SCALE: NONE



- NOTES:**
- IN PAVED AREAS, ALL VERTICAL PIPING, BENDS, AND WYES SHALL BE CAST IRON. PROVIDE FLEXIBLE COUPLING ON EACH SIDE OF WYE FOR TRANSITION TO PVC PIPING.
 - PROVIDE GRANULAR BACKFILL ALL AROUND SEWER CLEANOUT AND COMPACT TO 95% STANDARD PROCTOR DENSITY FOR FULL HEIGHT TO GROUND SURFACE.

H TYPICAL SANITARY SEWER CLEANOUT DETAIL
SCALE: NONE



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TOWN OF
WILMINGTON,
VERMONT

ROUTE 9 WATER
AND SEWER
EXTENSION
CONTRACT No. 1

SEWER DETAILS I

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| MG | 22028 |
| DRAWN | DRAWING |
| JEB | 19 |
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| WAE | DEC. 2024 |

ELECTRICAL LEGEND

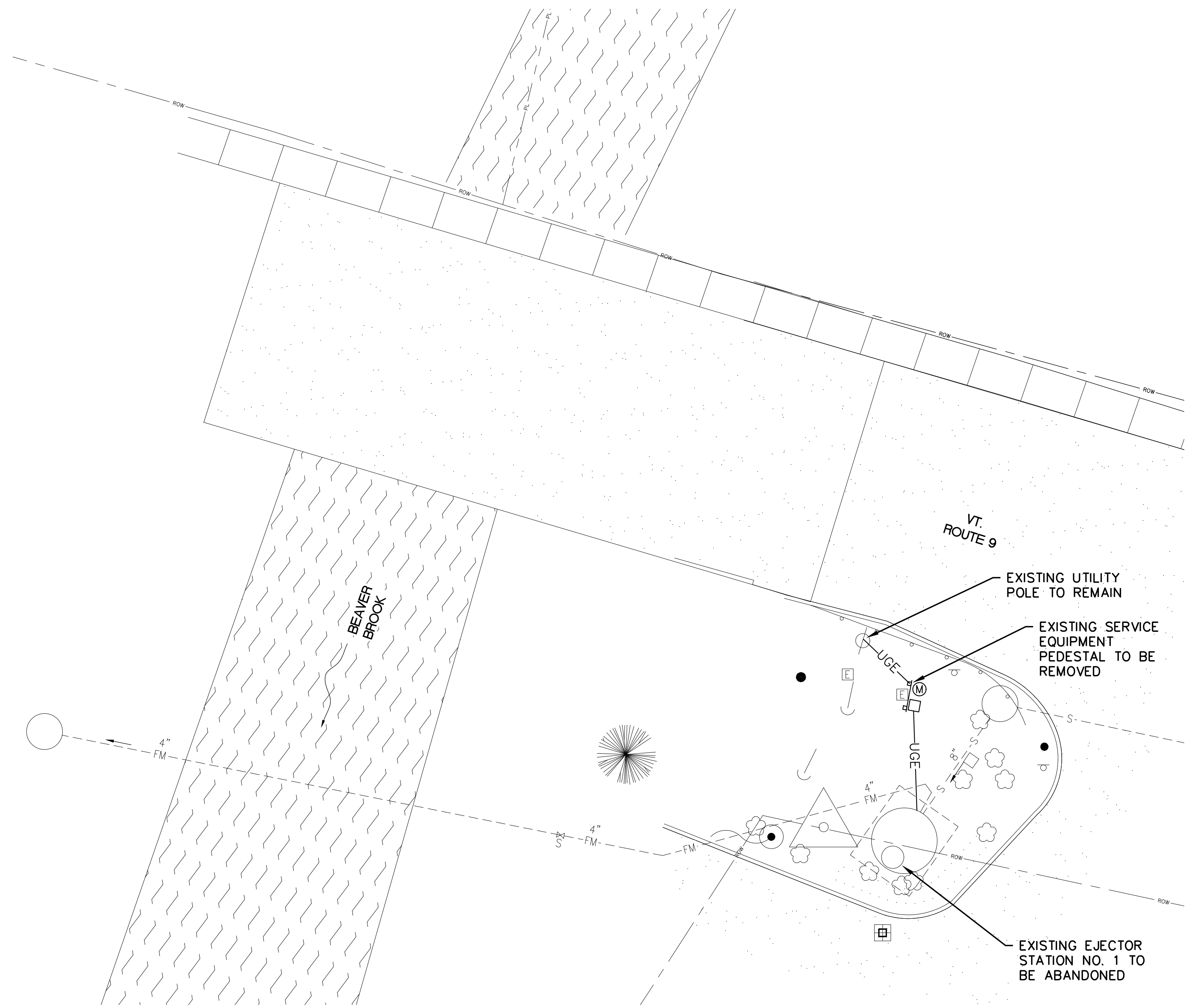
| | |
|--|---|
| | SURGE PROTECTION DEVICE |
| | PANELBOARD, LETTERING DESIGNATES NAME |
| | EQUIPMENT CONNECTION (HARD WIRED) |
| | NON-FUSED DISCONNECT SWITCH |
| | TRANSFORMER |
| | UTILITY POLE |
| | BRANCH CIRCUIT HOMERUN TO PANELBOARD |
| | BRANCH CIRCUIT |
| | OVERHEAD SECONDARY ELECTRICAL |
| | UNDERGROUND PRIMARY ELECTRICAL |
| | UNDERGROUND SECONDARY ELECTRICAL |
| | DUPLEX RECEPTACLE, GROUND FAULT TYPE W/ WEATHERPROOF COVER |
| | CIRCUIT BREAKER |
| | MAIN LUG PANELBOARD |
| | MAIN CIRCUIT BREAKER PANELBOARD |
| | SAFETY SWITCH (WITH FUSE SHOWN) |
| | MOTOR STARTER |
| | GROUND |
| | METER |
| | SURGE PROTECTION DEVICE |
| | TRANSFORMER |
| | MOTOR |
| | REMOTE TELEMETRY UNIT |
| | LEVEL SWITCH |
| | LEVEL TRANSMITTER |
| | CONTROL PANEL |

ABBREVIATIONS

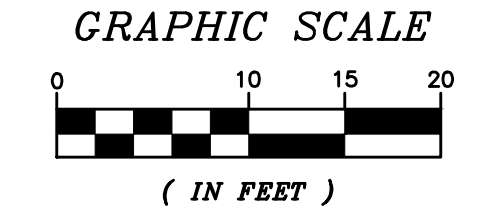
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|--------|------------------------------|
| A | AMPERES |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| APPROX | APPROXIMATELY |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AUTO | AUTOMATIC |
| C | CONDUIT |
| CB | CIRCUIT BREAKER |
| CP | CONTROL PANEL |
| CT | CURRENT TRANSFORMER |
| CUH | CABINET UNIT HEATER |
| DN | DOWN |
| EF | EXHAUST FAN |
| ELEV | ELEVATION |
| ERU | ENERGY RECOVERY UNIT |
| EXH | EXHAUST |
| EXIST | EXISTING |
| G | GROUND |
| GEN | GENERATOR |
| HOA | HAND-OFF-AUTO |
| JBOX | JUNCTION BOX |
| LCS | LOCAL CONTROL STATION |
| LPS | LIGHTNING PROTECTION SYSTEM |
| LS | LIMIT SWITCH OR LEVEL SWITCH |
| MIN | MINIMUM |
| MLO | MAIN LUG ONLY |
| MOD | MOTOR OPERATED DAMPER |
| NC | NORMALLY CLOSED CONTACT |
| NO | NORMALLY OPEN CONTACT |
| OL | OVERLOAD |
| φ | PHASE |
| P | POLE |
| SPD | SURGE PROTECTION DEVICE |
| SSOL | SOLID STATE OVERLOAD |
| SW | SWITCH |
| TYP | TYPICAL |
| UH | UNIT HEATER |
| V | VOLTS |
| VFD | VARIABLE FREQUENCY DRIVE |
| VT | VARIABLE TORQUE |
| WP | WEATHERPROOF |
| XFMR | TRANSFORMER |
| XP | EXPLOSION PROOF |

NOTES (APPLIES TO ALL ELECTRICAL DRAWINGS):

1. INSTALLATION AND WIRING TO EQUIPMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. ALL EQUIPMENT SHALL BE FIELD LABELED TO IDENTIFY THE CIRCUIT SOURCE. REFER TO SPECIFICATION 16195 FOR ADDITIONAL LABELING REQUIREMENTS.
3. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE ARRANGEMENT OF ALL POWER AND CONTROL PANELS, AND SHALL VERIFY DIMENSIONS OF EQUIPMENT PROVIDED BY OTHERS PRIOR TO LAYOUT AND ROUGH IN.



EXISTING EAST MAIN STREET ELECTRICAL SITE PLAN
SCALE: 1"=10'



DEMOLITION NOTES:

1. THE EXISTING EJECTOR PUMP STATION SHALL REMAIN IN SERVICE UNTIL THE NEW STATION HAS BEEN MADE OPERATIONAL AND ACCEPTED BY THE TOWN. FOLLOWING ACCEPTANCE, DISCONNECT AND REMOVE ALL WIRING AND CONDUIT TO THE EXISTING PUMP STATION SUCH THAT IT CAN BE SAFELY ABANDONED. REMOVE ELECTRICAL SERVICE EQUIPMENT PEDESTAL AND EQUIPMENT. REMOVE EXISTING ELECTRICAL SERVICE TO UTILITY POLE. COORDINATE WITH GREEN MOUNTAIN POWER.

AE
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WATER RESOURCE ENGINEERS
6 Market Place, Suite 2
Essex Jct., VT 05452
P: 802.879.7733
AEngineers.com

FOLTS ENGINEERING PLC
ELECTRICAL & CONTROL SYSTEM DESIGN
P.O. BOX 96 EAST CALAIS, VT 05650
P: (802) 734-9746



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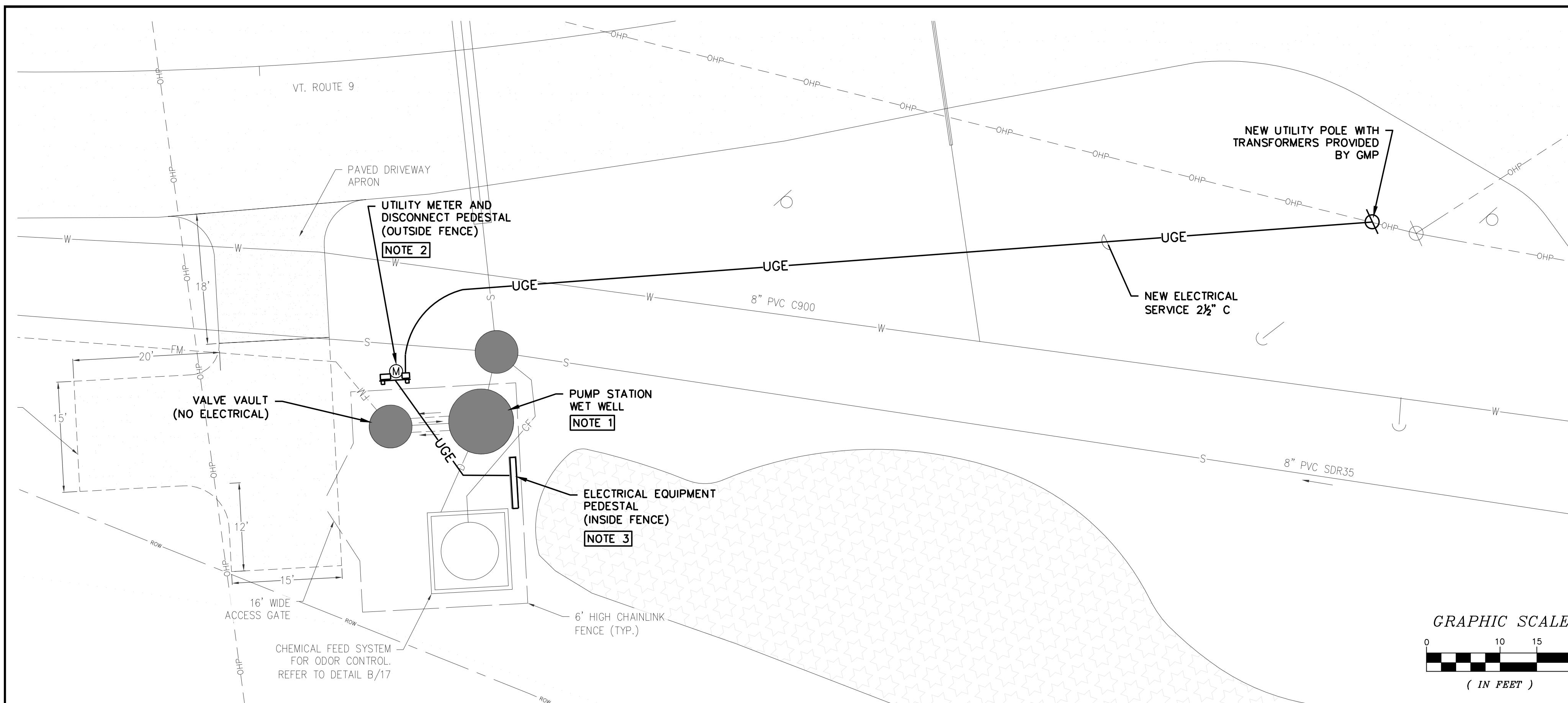
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TOWN OF WILMINGTON, VERMONT

ROUTE 9 WATER AND SEWER EXTENSION
CONTRACT No. 1

ELECTRICAL LEGEND AND EAST MAIN STREET DEMOLITION PLAN

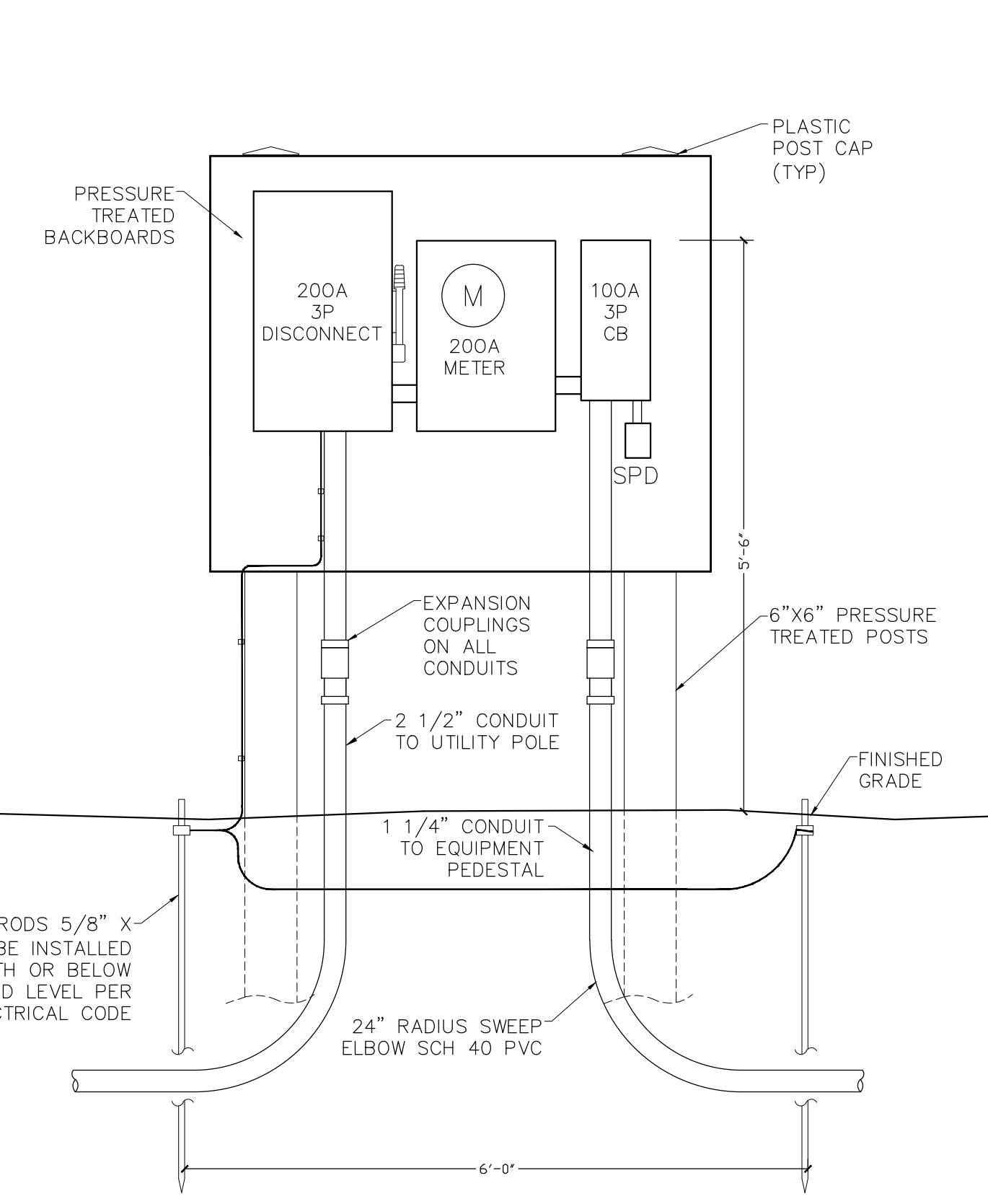
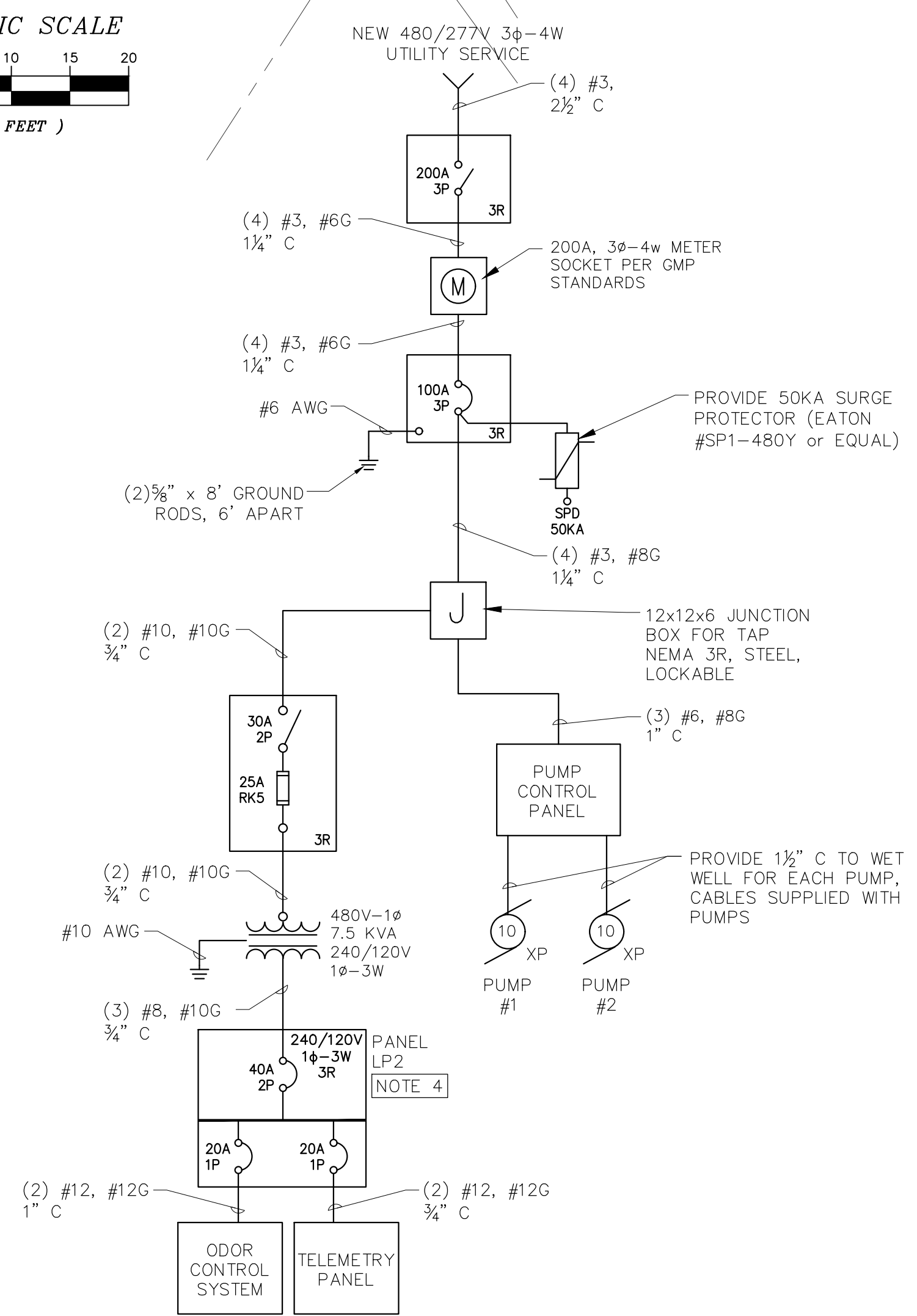
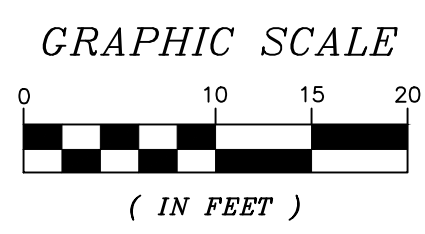
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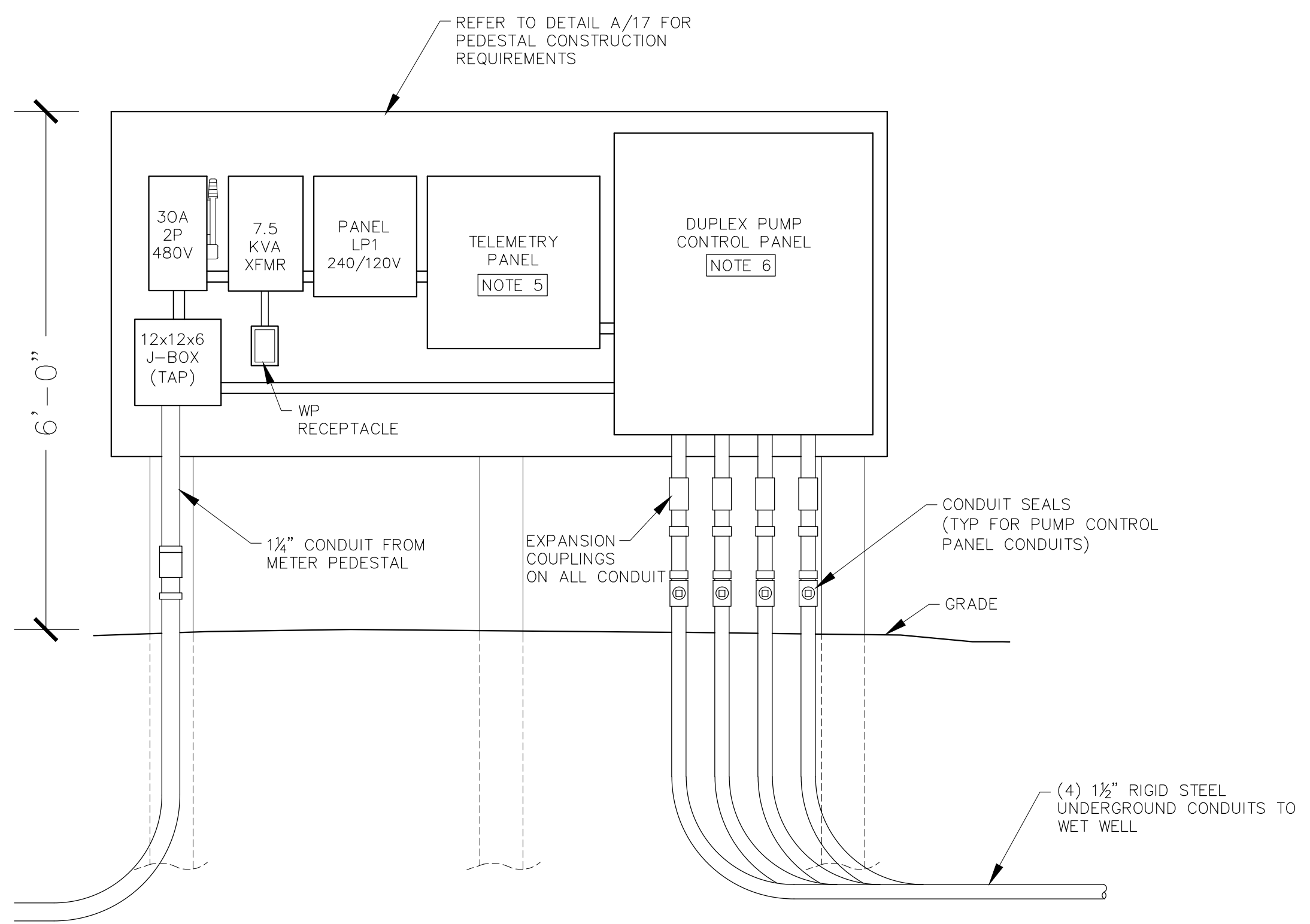
NOTES:

1. THE WET WELL IS AN HAZARDOUS LOCATION AS FOLLOWS: AREA INSIDE WET WELL IS CLASS I, DIVISION 1. SPHERICAL AREA WITHIN 3'-0" OF WET WELL VENT IS CLASS I, DIVISION 1. SPHERICAL AREA EXTENDING FROM 3'-0" TO 5'-0" OF WET WELL HATCH IS CLASS I, DIVISION 2. ALL WIRING AND EQUIPMENT INSIDE THE WET WELL SHALL BE EXPLOSION PROOF OR INTRINSICALLY SAFE AND INSTALLED IN ACCORDANCE WITH NEC ARTICLES 500, 501, AND 504, INCLUDING REQUIRED CONDUIT SEALS.
2. CONSTRUCT NEW PEDESTAL FOR UTILITY METER AND SERVICE DISCONNECT. REFER TO ELECTRICAL DETAILS.
3. CONSTRUCT NEW PEDESTAL WITH ROOF TO SUPPORT ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DETAILS AND DRAWING 17 FOR CONSTRUCTION REQUIREMENTS. PEDESTAL SHALL BE LOCATED SUCH THAT ALL EQUIPMENT IS OUTSIDE OF CLASSIFIED AREAS.
4. REFER TO PANEL SCHEDULE ON DRAWING 26.
5. REFER TO SPECIFICATION 16900 FOR TELEMETRY PANEL REQUIREMENTS. INSTALL PUMP STATION STATUS AND ALARM WIRING PER THE SCHEDULE ON DRAWING 26.
6. REFER TO PUMP CONTROL PANEL WIRING DETAIL ON DRAWING 26.

PROPOSED ROUTE 100 ELECTRICAL SITE PLAN
SCALE: 1"=10'



A UTILITY METER AND DISCONNECT PEDESTAL
SCALE: 1/2" = 1'-0"



B ELECTRICAL EQUIPMENT PEDESTAL
SCALE: 3/4" = 1'-0"



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TOWN OF WILMINGTON, VERMONT

ROUTE 9 WATER AND SEWER EXTENSION
CONTRACT No. 1

ROUTE 100 PROPOSED ELECTRICAL PLAN AND DETAILS

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|-----------------|----------------------|
| DESIGNED DFF | PROJECT NO. 22028 |
| DRAWN PJM | DRAWING 25 |
| CHECKED DFF | DATE DEC. 2024 |

