

6 February 2025

Jasmine Stefansky
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

RE: New York State Department of Environmental Conservation
Extraction Well and Vault Abandonment Work Plan
Franklin Cleaners (NYSDEC Number [No.]130050)
Contract/Work Assignment No. D009806-34

Dear Ms. Stefansky:

This Letter Work Plan describes the extraction well and vault abandonment activities proposed at the Franklin Cleaners Site (NYSDEC No. 130050).

Field activities will be completed in accordance with this Letter Work Plan, EA's Generic Field Activities Plan¹, EA's Generic Health and Safety Plan², and EA's Generic Quality Assurance Project Plan³. These plans are available upon request. Additional specific tasks and deviations are described in the following sections.

The following tasks will be completed as part of the abandonment program:

- Obtaining New York State Department of Transportation (NYSDOT) permit
- UDig NY notification¹
- Abandonment of two extraction wells/vaults and associated piping
- Complete surface restoration
- Investigation Derived Waste Management
- Reporting

1. SITE AND LOCATION

The extraction wells and vaults are located adjacent to Molloy University at 1000 Hempstead Avenue in Rockville Centre, Nassau County, New York (**Figure 1**). The abandonment work will take place in the southern-most shoulder of the east-bound lanes of the Southern State Parkway, just east of Exit 19N.

¹ EA Engineering, P.C. and Its Affiliate EA Science and Technology. 2023. *Generic Field Activities Plan for Work Assignments, NYSDEC Standby Contract No. D0009808*. March.

² EA Engineering, P.C. and Its Affiliate EA Science and Technology. 2024. *Generic Health and Safety Plan for Work Assignments, NYSDEC Standby Contract No. D0009808*. August.

³ EA Engineering, P.C. and Its Affiliate EA Science and Technology. 2020. *Generic Quality Assurance Project Plan for Work Assignments, NYSDEC Standby Contract No. D0009808*. April.

2. SCOPE OF SERVICES

2.1 UTILITY AGENCY NOTIFICATION

Before starting subsurface work, EA's drilling subcontractor will contact UDig New York to mark public utilities. The subcontractor will provide copies of all UDig New York notifications and responses to EA prior to field activities.

2.2 PERMITTING

Prior to field activities, EA's drilling subcontractor will secure a NYSDOT *Form PERM 33 (September 2023) Highway Work Permit Application for Non-Utility Work*. All permit elements will be developed (e.g., traffic control plan and implementation, confined space work, etc.) by EA's subcontractor. The permit application and associated plans will be submitted to EA for review and approval prior to submittal to NYSDOT. Abandonment activities will not begin until the permit package is approved by NYSDOT. Additional tasks or procedures required by NYSDOT, other than those listed herein, will be documented by EA in an Work Plan Addendum.

2.3 EXTRACTION WELL/VAULT ABANDONMENTS

Well/vault abandonments will be completed following the procedures listed below:

- EA's subcontractor will remove extraction-well pump components from the two extraction-well vaults (EW-01 and EW-02), located in the shoulder of the Southern State Parkway (**Figure 2**). This includes wiring, piping, and vault metal covers with metal rims. The vaults are approximately 8 feet deep. Personnel entering the vault for any reason will follow a Confined Space Entry Plan and be Confined Space certified, per American National Standards Institute /American Society of Safety Professionals Z117.1 and Occupational Safety and Health Administration 1910.146. Electrical components were deactivated by a licensed electrician in January 2024.
- Each well (depths of wells are approximately 85 feet below ground surface) will be abandoned by placing a cement/bentonite slurry via tremie pipe from the bottom of the well to the top of the well. This process follows NYSDEC CP-43 Groundwater Monitoring Well Decommissioning Policy. Well construction details are provided in **Attachment A**. The 2-inch diameter Schedule 80 conduit (approximately 350 feet), extension from the former remediation system building to the extraction well vaults will also be abandoned by grouting in place and capping each end. Void space will be filled with concrete from the bottom, flush to the ground surface.

2.4 WASTE MANAGEMENT

The subcontractor will remove all waste, including non-recyclable materials like concrete and asphalt, and recyclable materials, such as well pumps, wiring, and steel vault covers, for disposal or recycling.

2.5 REPORTING

Following completion of field activities, EA will prepare a Summary Report, which will include:

- Summary of field activities and photographic documentation
- Daily field reports
- NYSDEC Abandonment Field Forms
- Copy of NYSDOT permit

3. PROJECT SCHEDULE

This work is projected to begin in late Winter 2025 to early Spring 2025 and be completed within 1 to 2 months, pending subcontractor availability and time frame to secure NYSDOT permit and other associated plans.

Sincerely,

EA SCIENCE AND TECHNOLOGY



Adam Etringer
Project Manager

EA ENGINEERING, P.C.



Donald Conan, PE, PG
Vice President

List of Figures

Figure 1 Site Location Figure

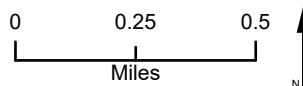
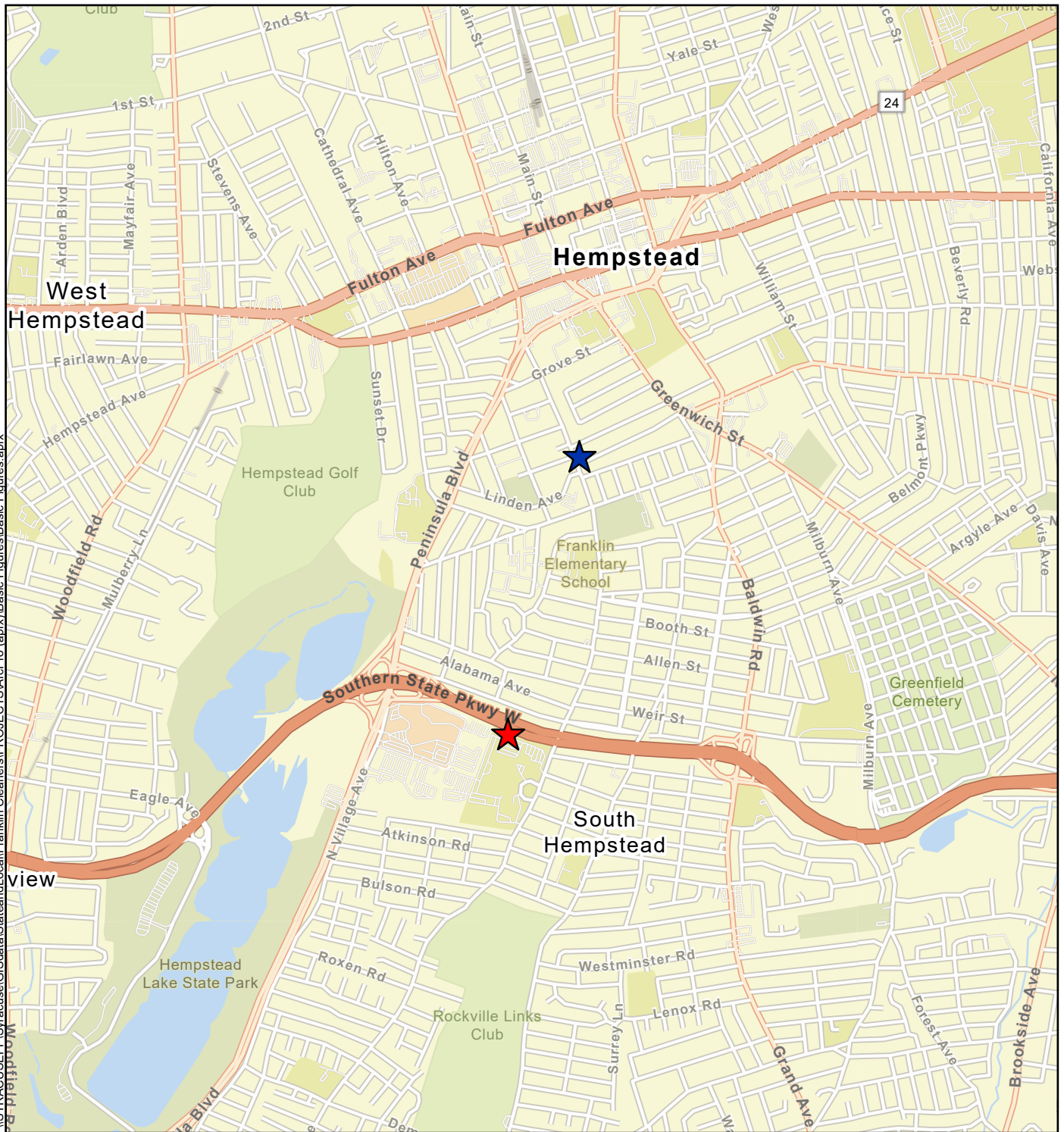
Figure 2 Extraction Wells Location Map

List of Attachments

A Extraction Wells Construction Details

Figures

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Legend

-  Franklin Cleaners Site
-  Former Groundwater Extraction and Treatment System (Decommissioned December 2023)

Figure 1
SITE LOCATION

Franklin Cleaners (Site 130050)
Hempstead, New York

Map Date: 2/6/2025
Projection: NAD 1983 (2011) StatePlane
New York Long Isl FIPS 3104 (us feet)



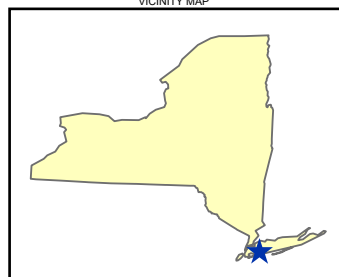
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VICINITY MAP



0 100 200
Feet



Legend

- Extraction Well
- Groundwater Well Abandoned in December 2024
- Irrigation Well
- Approximate Location of Two-Inch Piping
- Former Remediation System Shed
- Work Area

Figure 2 GROUNDWATER MONITORING WELL LOCATIONS MAP

Franklin Cleaners (Site 130050)
Hempstead, New York

Map Date: 2/6/2025
Projection: NAD 1983 (2011) StatePlane
New York Long Isl FIPS 3104 (us feet)



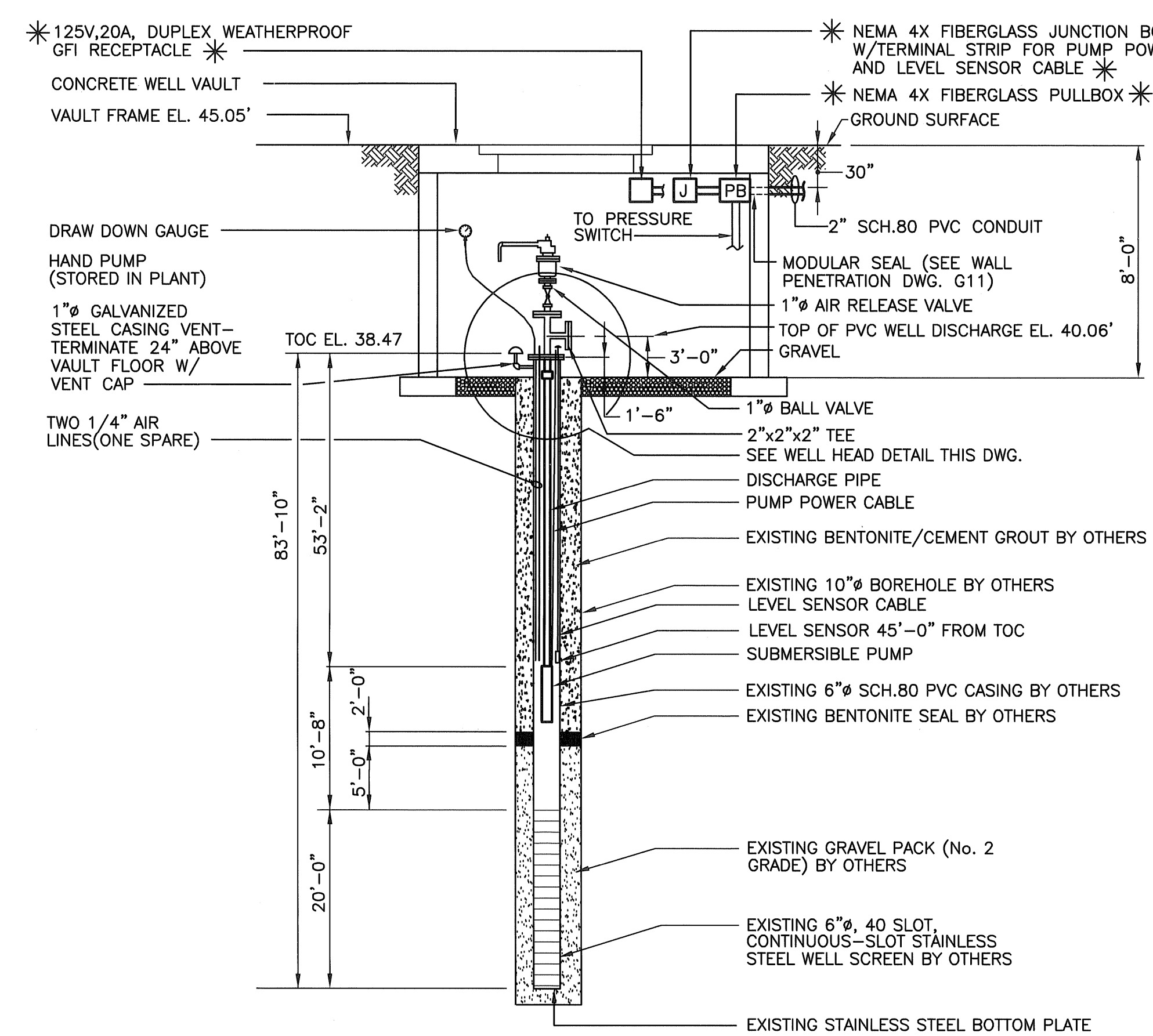
Department of
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Attachment A

Extraction Wells Construction Details

PROJECT RECORD



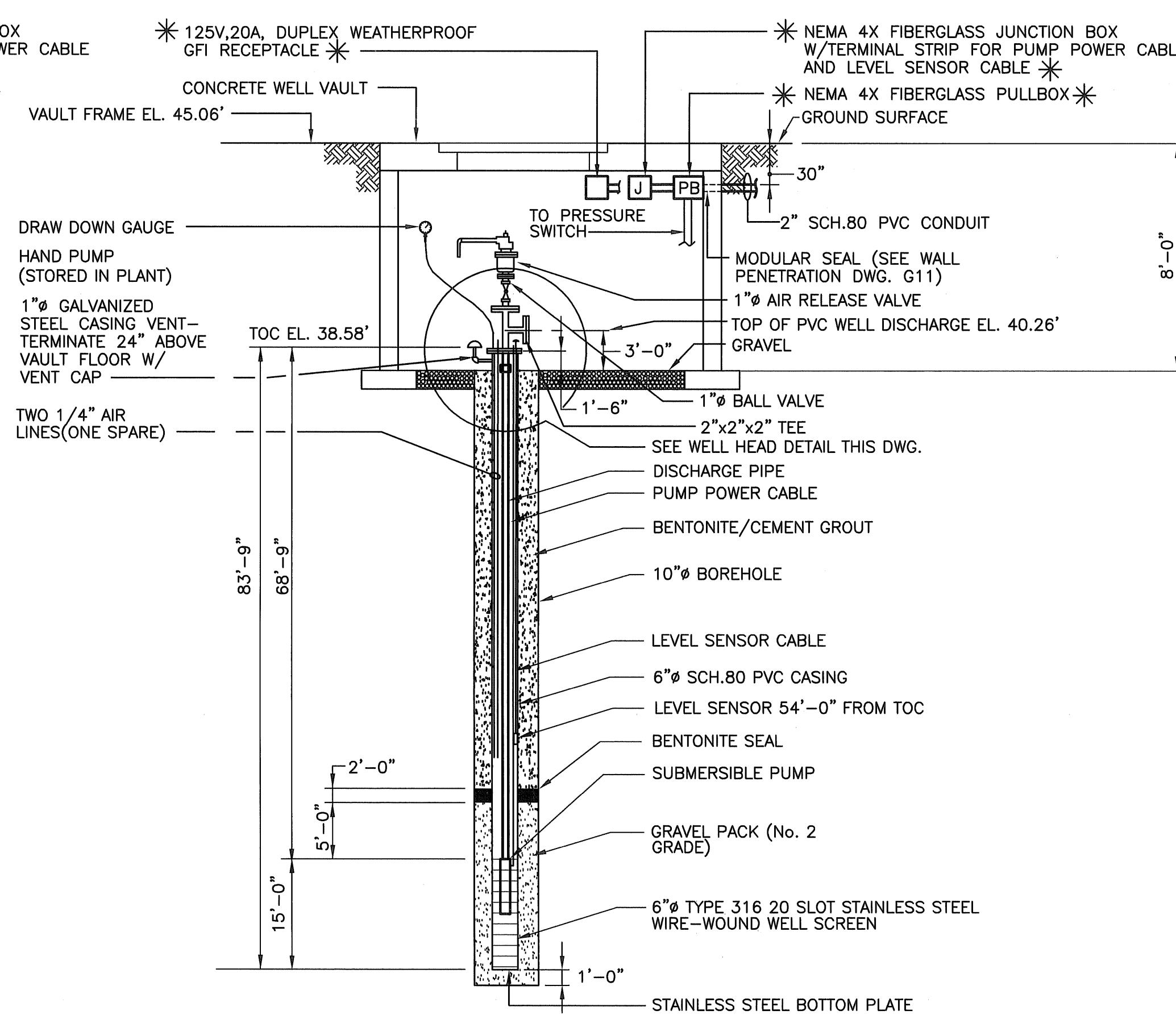
EXTRACTION WELL DETAIL (EW-1)

N.T.S.

NOTE: PIPING INSIDE WELL VAULT NOT SHOWN.

NOTE: EXTRACTION WELL NO.1 INSTALLED BY OTHERS, TOP OF SCREEN AND DEPTH TO BOTTOM ELEVATIONS AND DIMENSIONS OBTAINED FROM ENGINEERS DRAWINGS.

* FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR

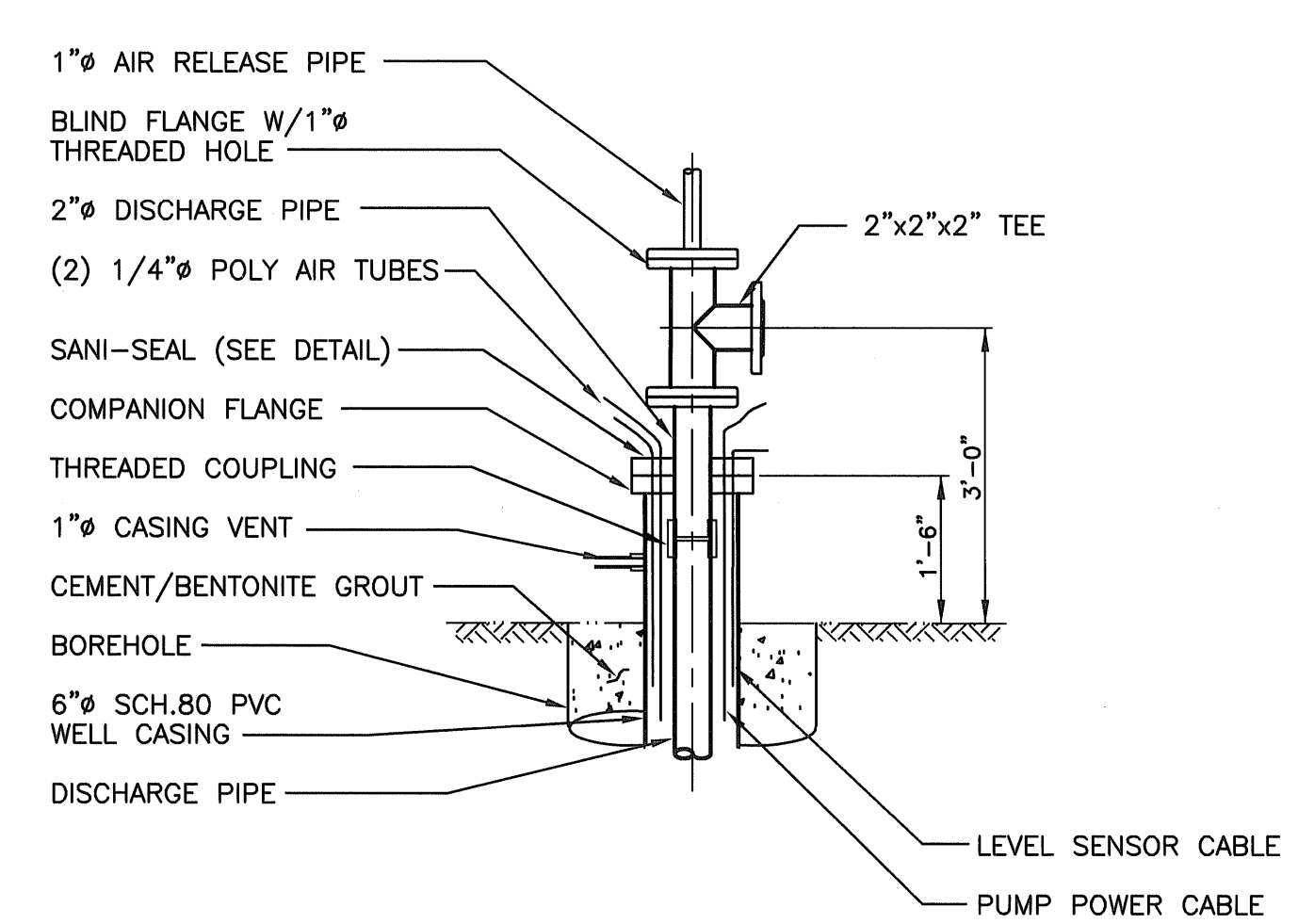


EXTRACTION WELL DETAIL (EW-2)

N.T.S.

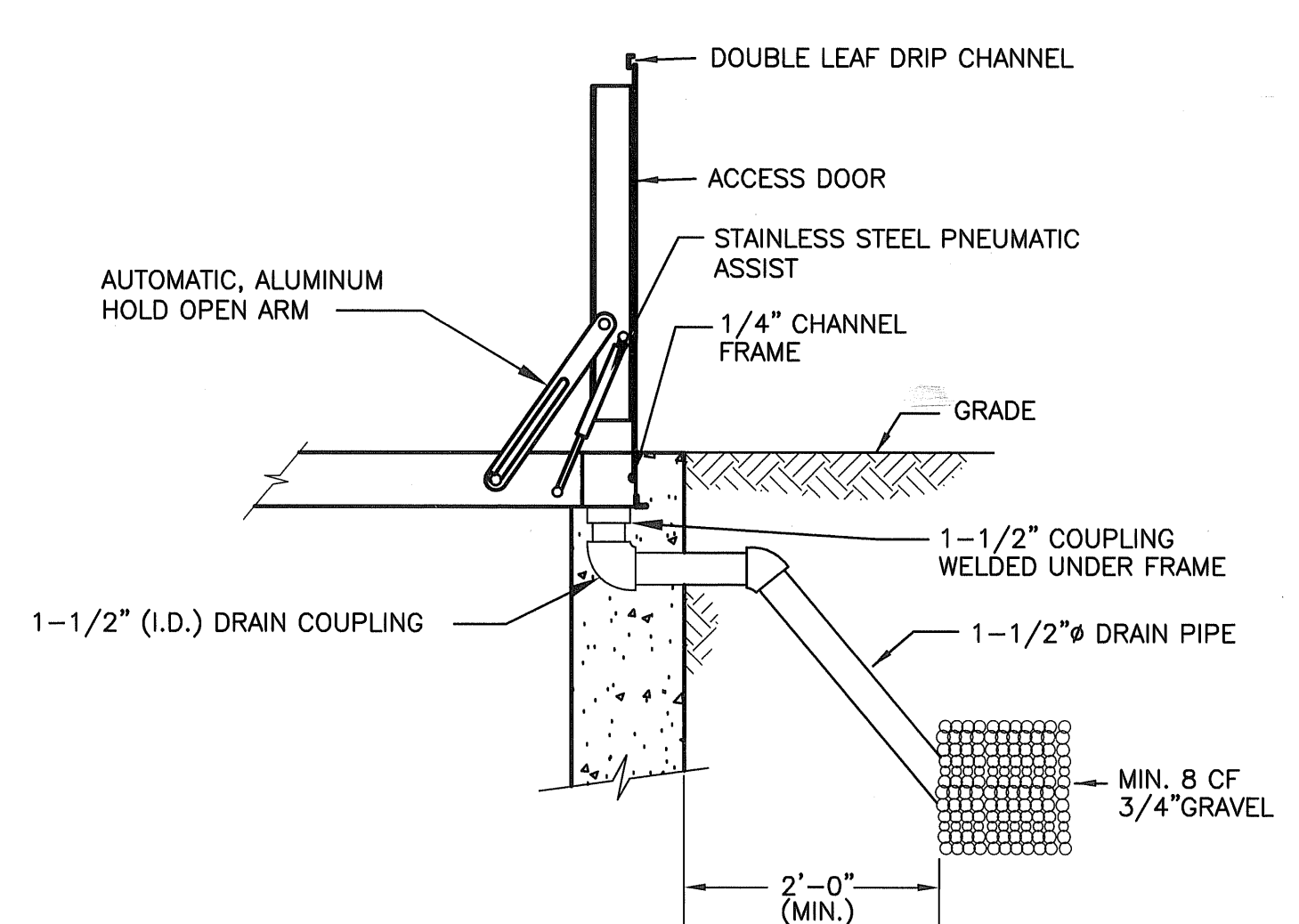
NOTE: PIPING INSIDE WELL VAULT NOT SHOWN.

* FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR



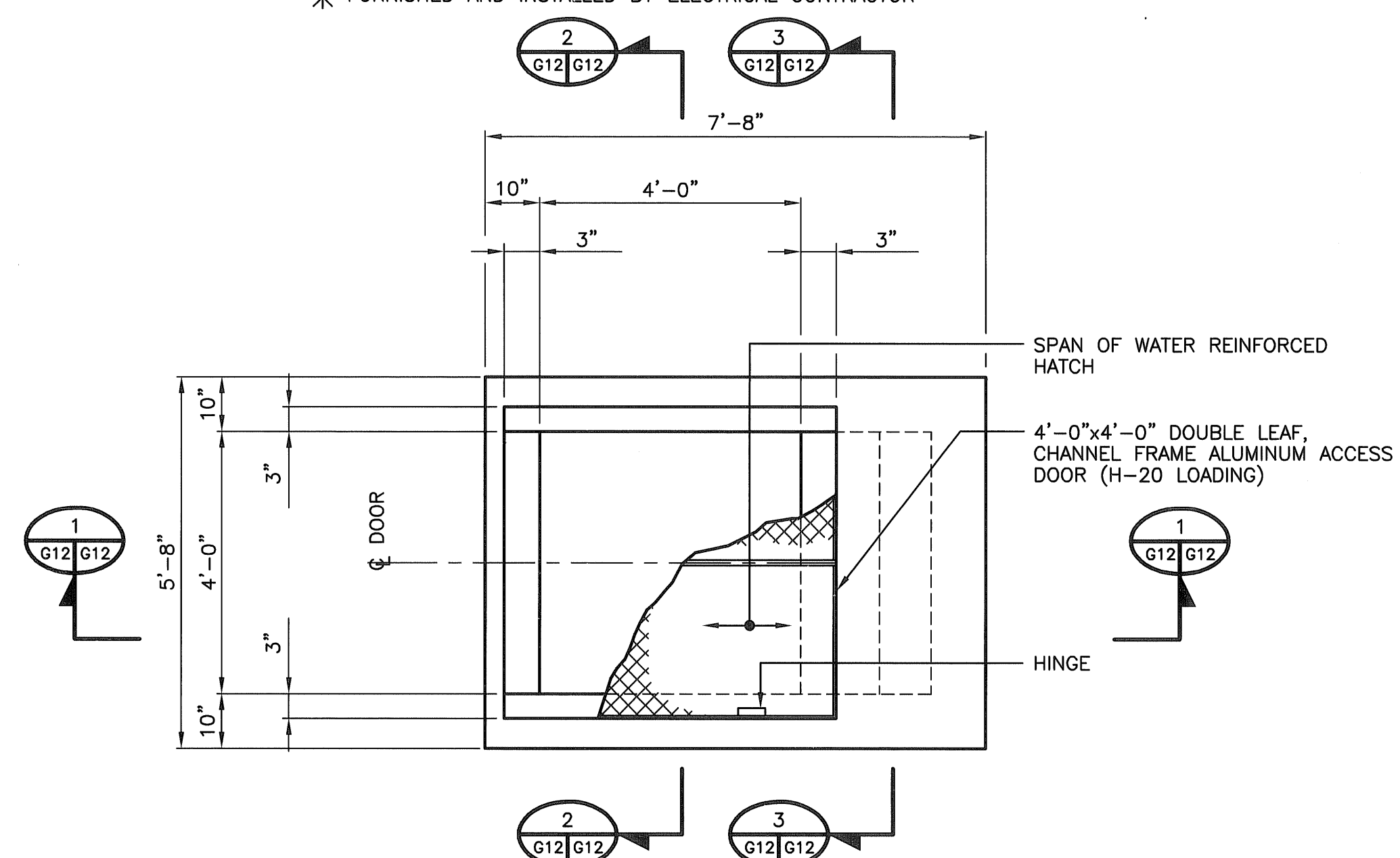
WELL HEAD DETAIL

N.T.S.



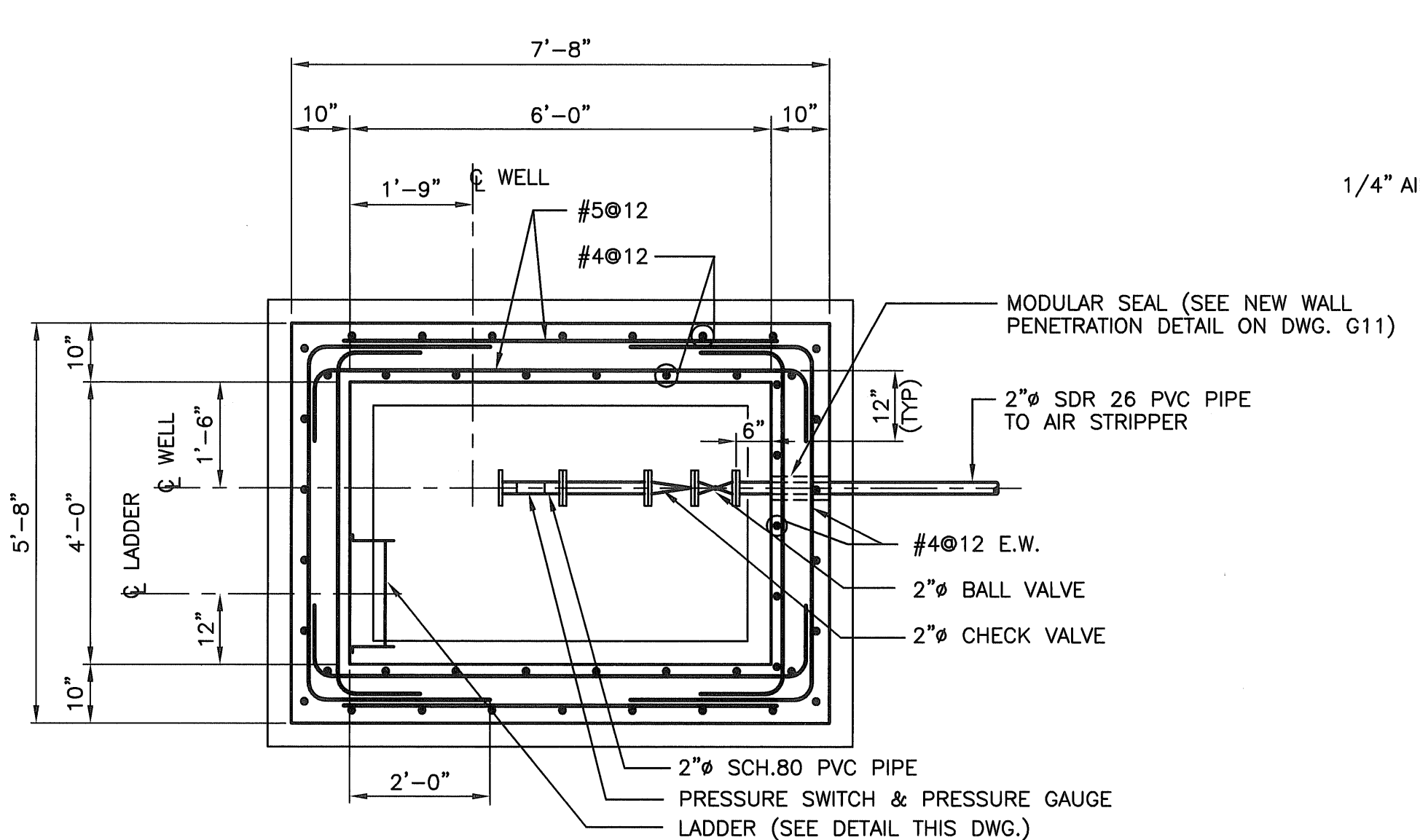
ACCESS HATCH DRAIN DETAIL

N.T.S.



TOP PLAN - WELL VAULT

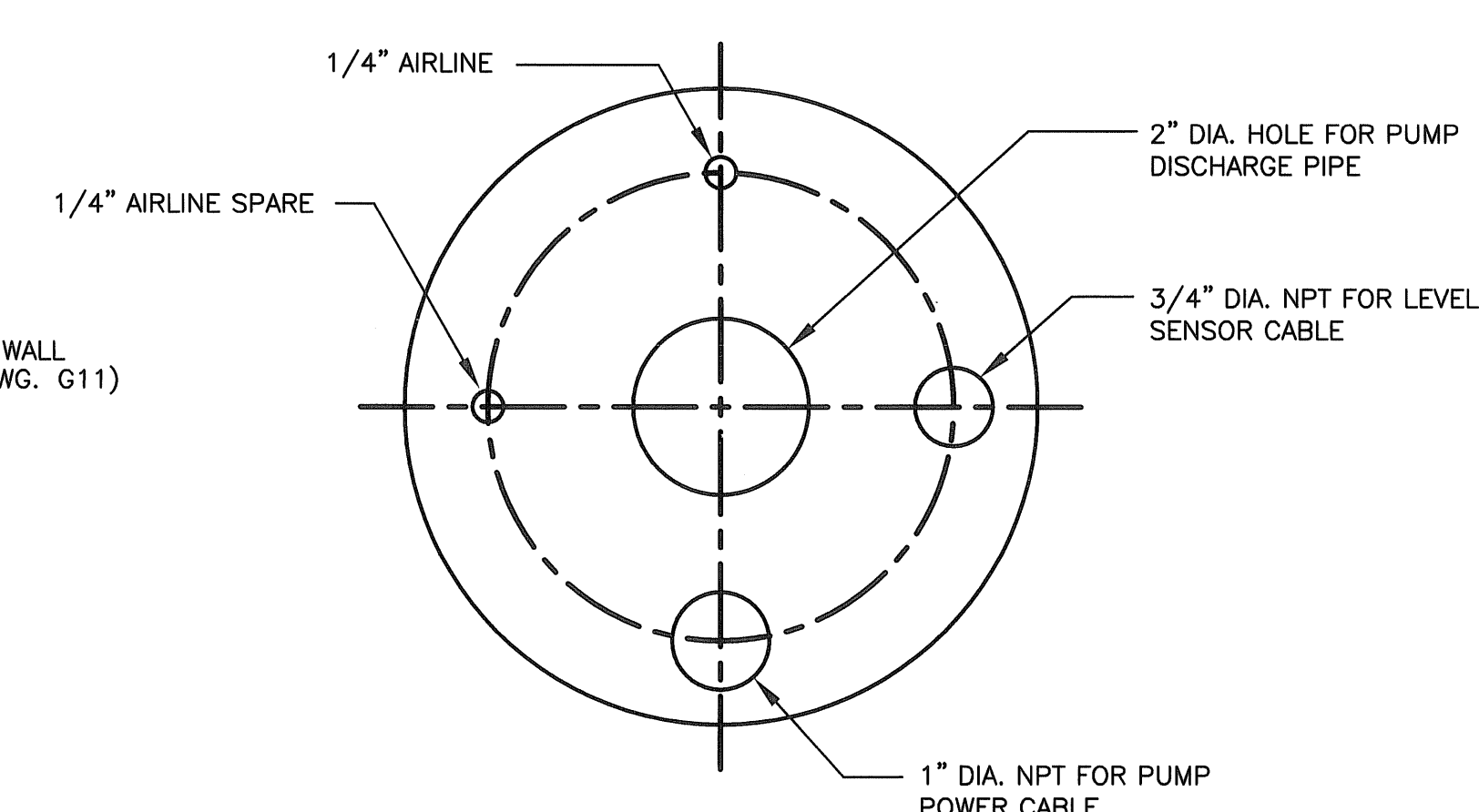
SCALE: 1/2"=1'-0"



SECTIONAL PLAN - WELL VAULT

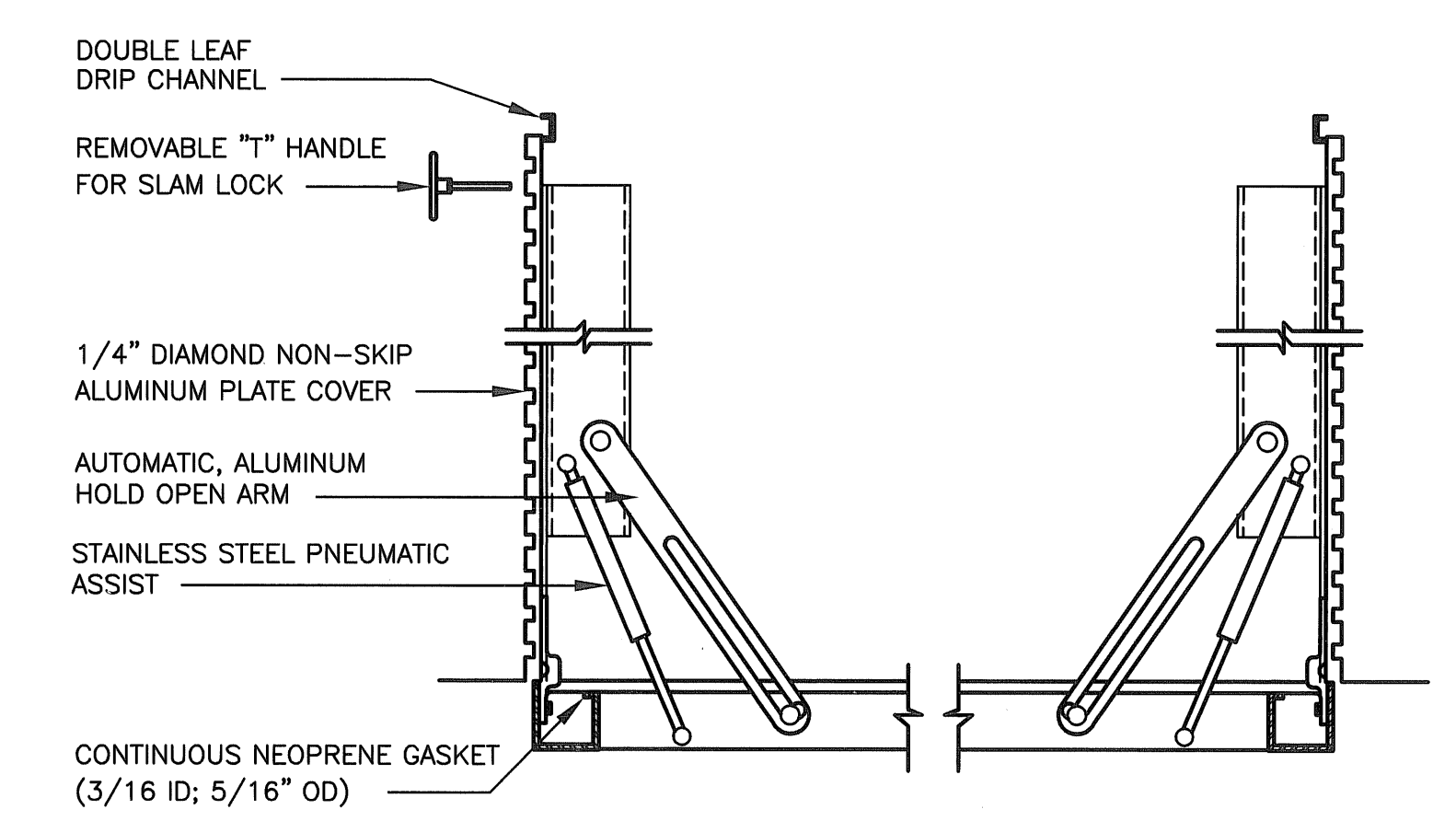
SCALE: 1/2"=1'-0"

NOTE: WELL HEAD ASSEMBLY NOT SHOWN.



WELL HEAD 6" SANITARY SEAL DETAIL

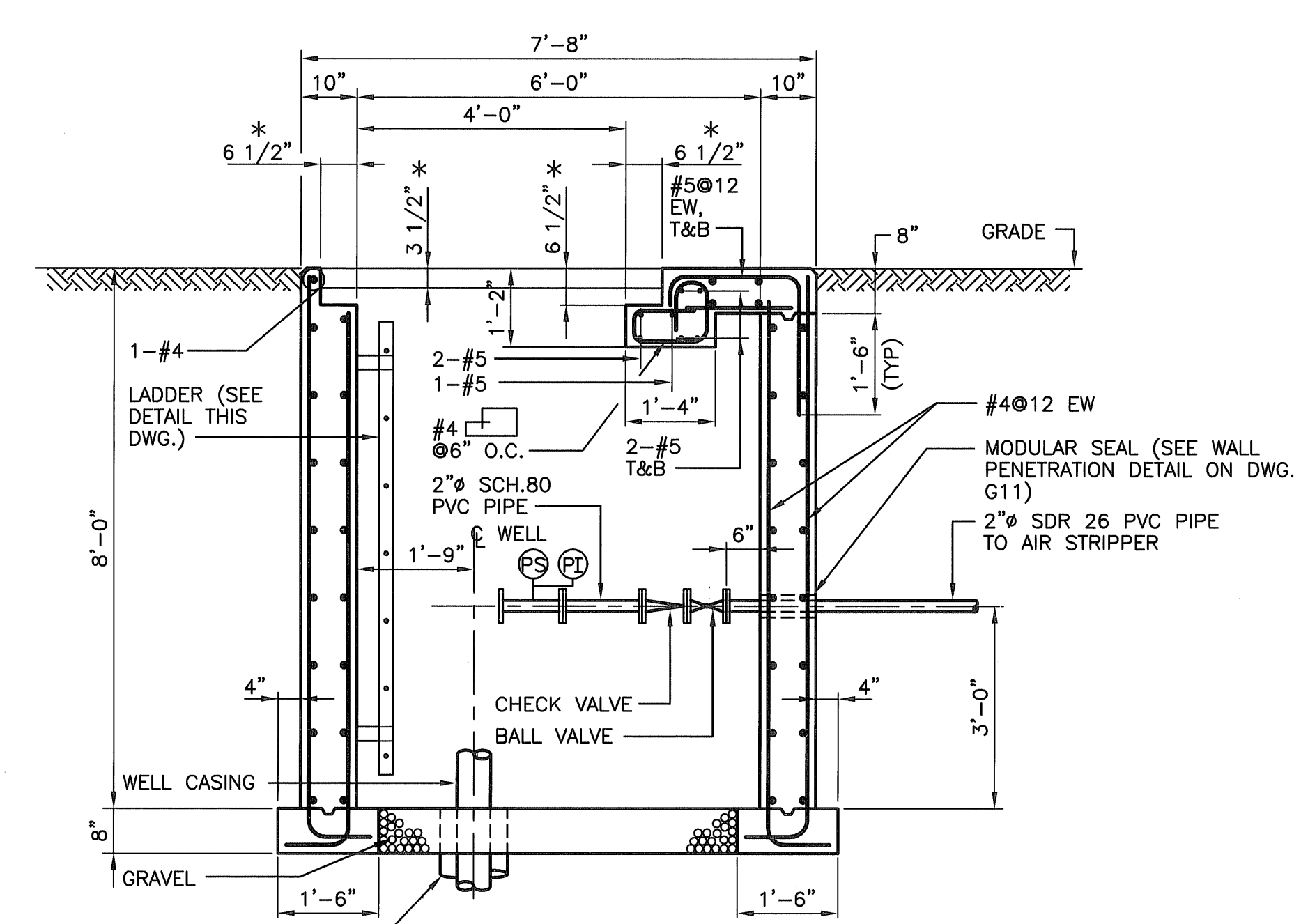
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EXTERIOR ALUMINUM DOUBLE LEAF ACCESS DOOR

(H-20 LOADING)

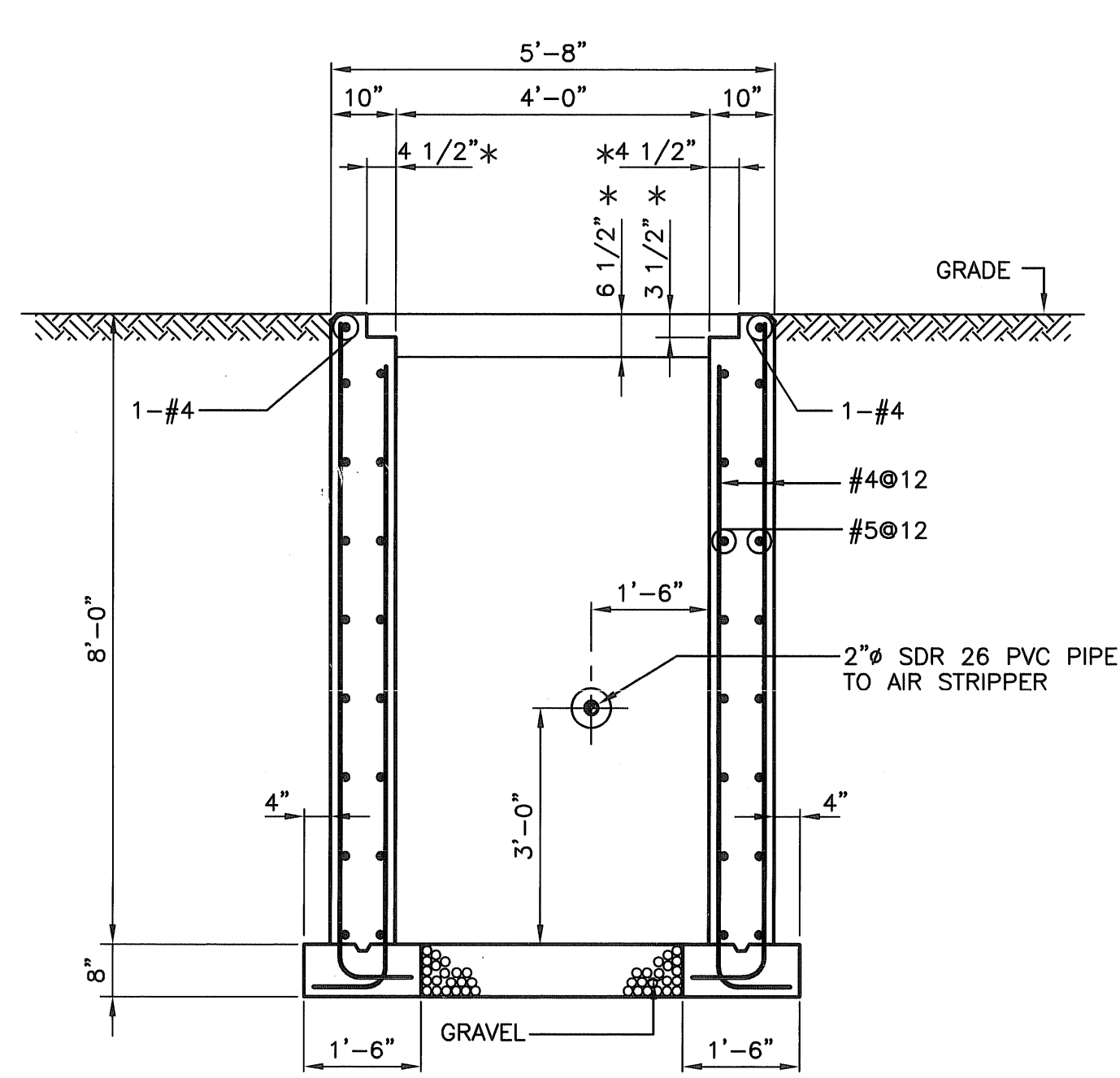
N.T.S.



SECTION 1

SCALE: 1/2"=1'-0"

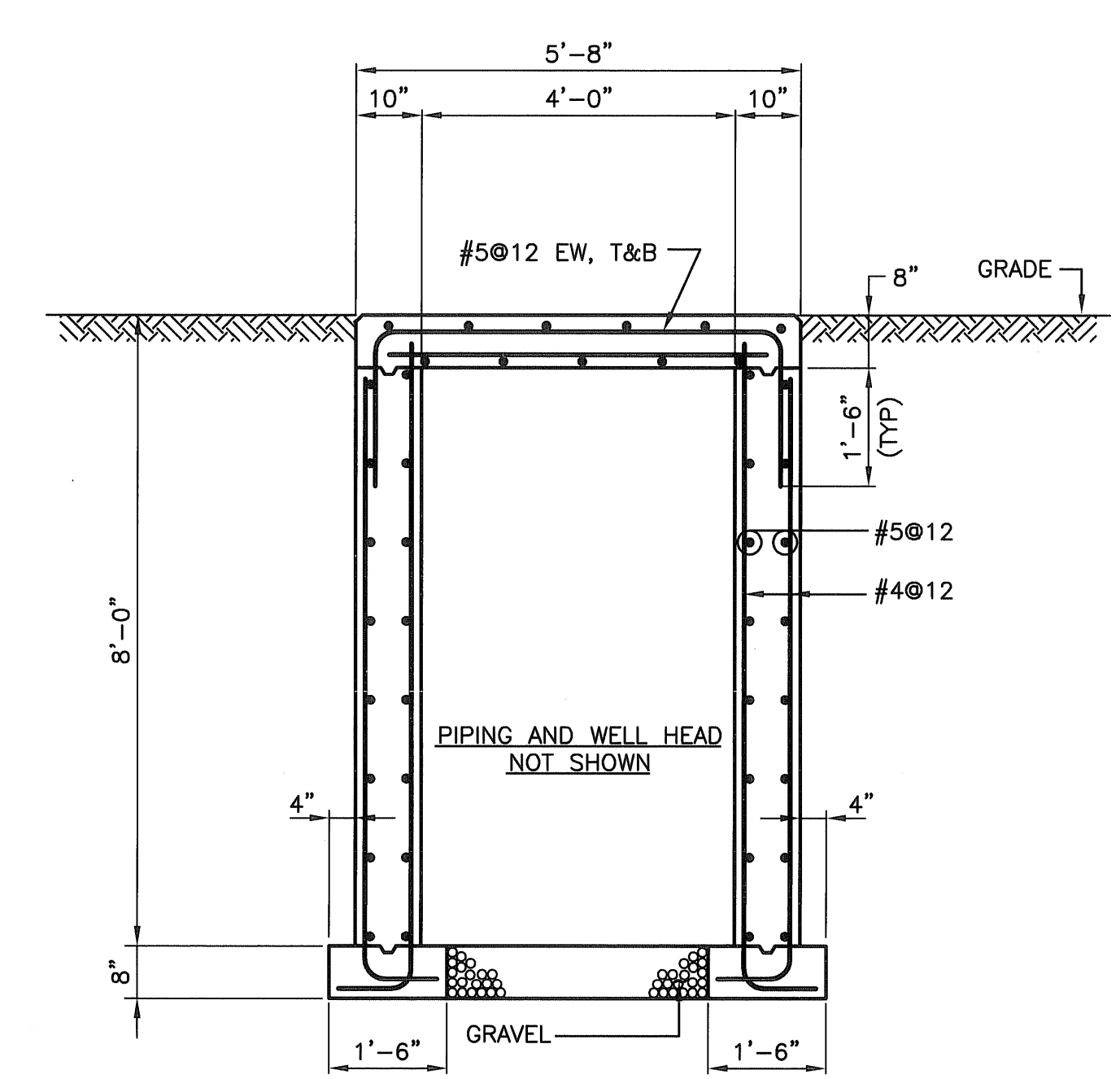
NOTE: WELL HEAD ASSEMBLY NOT SHOWN.



SECTION 2

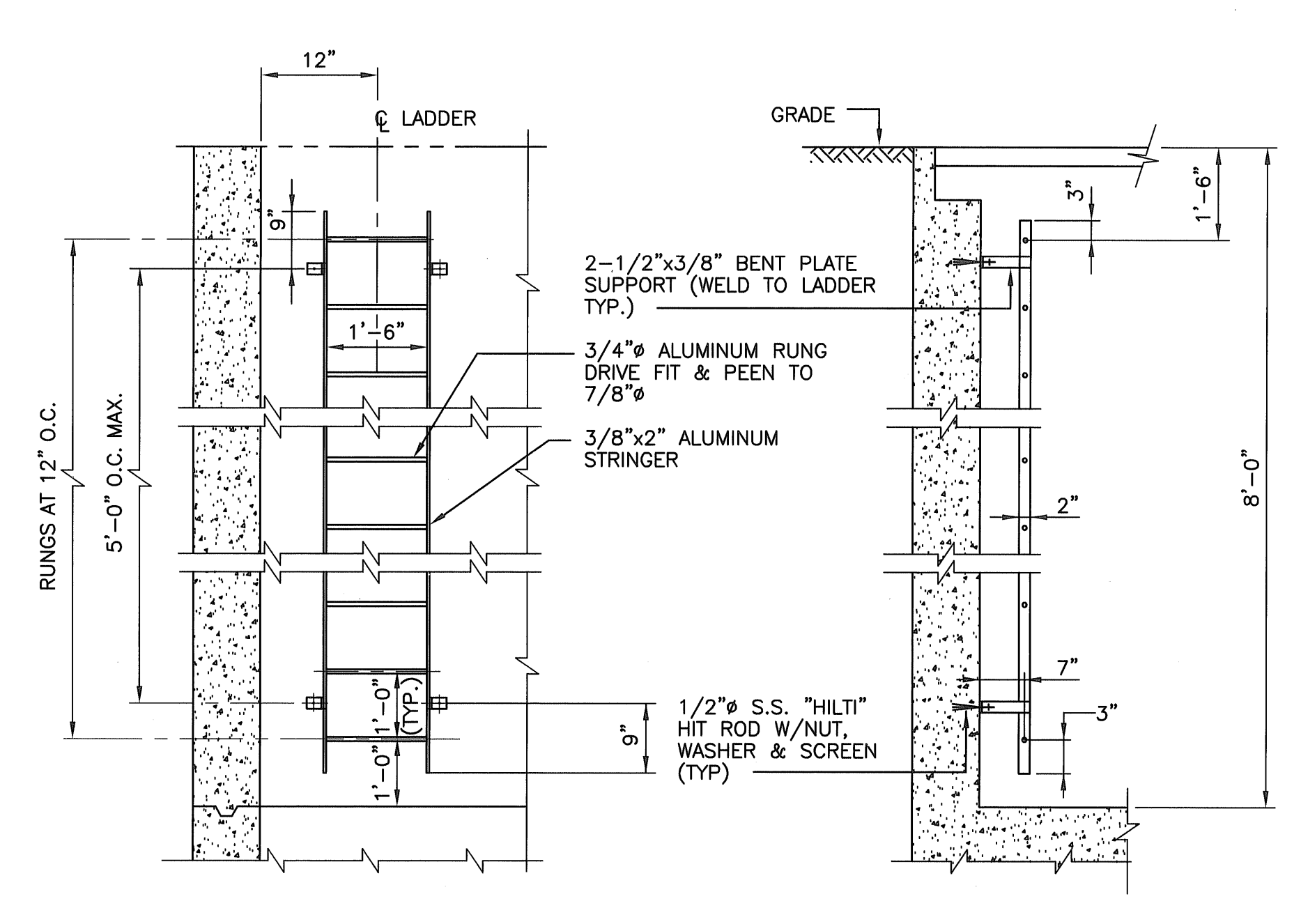
SCALE: 1/2"=1'-0"

NOTE: WELL HEAD ASSEMBLY NOT SHOWN.



SECTION 3

SCALE: 1/2"=1'-0"



ELEVATION

SECTION

WELL VAULT LADDER DETAILS

N.T.S.

WED, FEB 14, 2001 04:00 P. M. C:\1640\DW\DESIGN\WELL\WELLS.DWG

NO.	DATE	REVISION	INT.
1	11/4/02	ORIGINAL DRAWINGS BY DVIRKA AND BARTILUCCI-REVISED BY URS	
2	10/9/03	AS-BUILT	
3	MAY 2004	FINAL AS-BUILT	



"THESE AS-BUILT DRAWINGS ARE BEING CERTIFIED SOLELY FOR COMPLIANCE WITH THE CONSTRUCTION DRAWINGS AND APPROVED CHANGES. URS IS CERTIFYING THAT THE AS-BUILT DIMENSIONS ARE NOMINAL AND WITHIN THE CONTRACT TOLERANCES."



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FRANKLIN CLEANERS SITE
GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
CONTRACT D004264

EXTRACTION WELLS, WELL VAULT PLAN, SECTIONS AND DETAILS

PROJECT NO. 807260	G12
DATE: MAY 2004	
SCALE: AS NOTED	