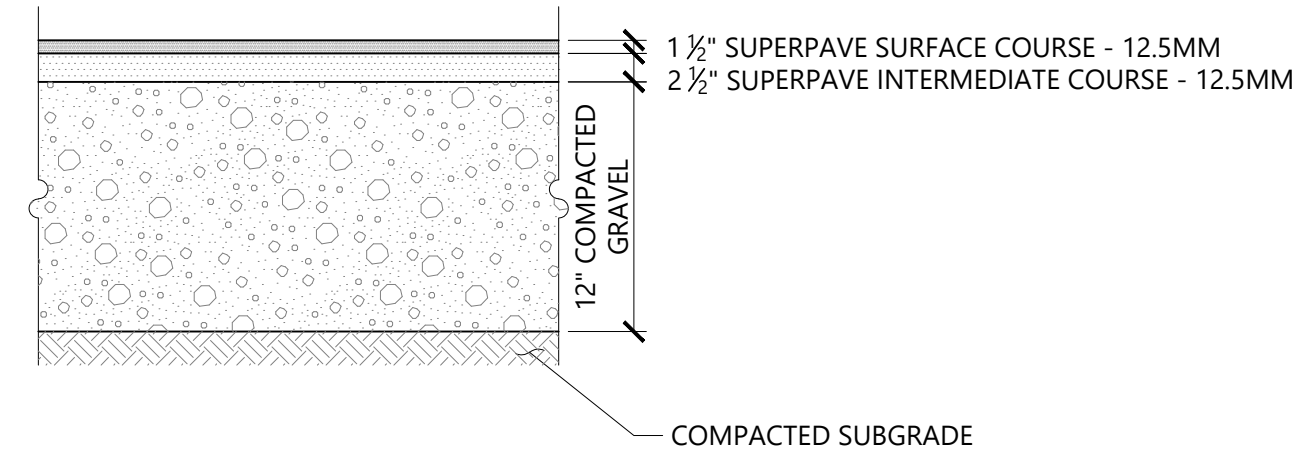
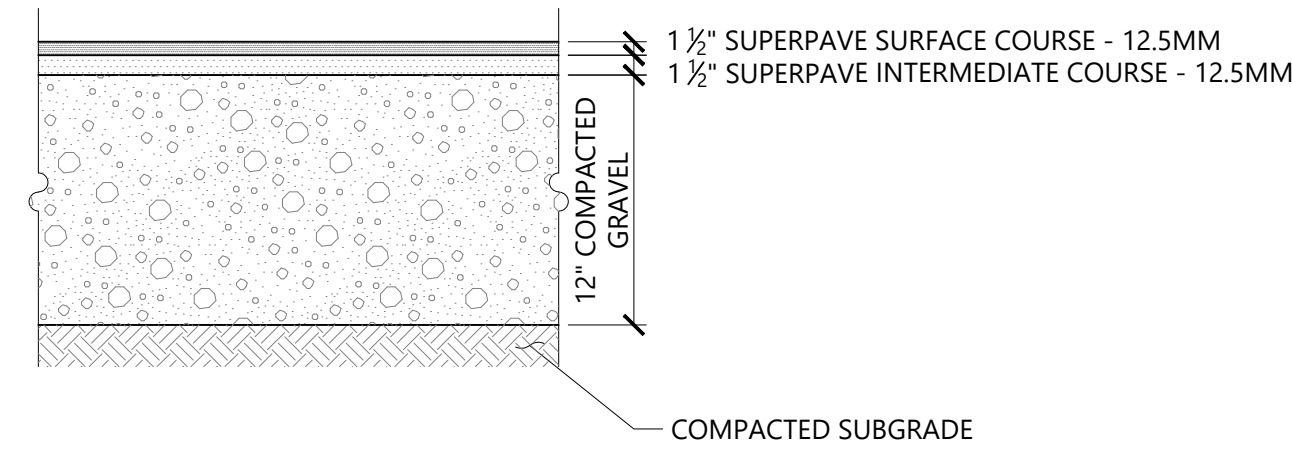


NOTE:
CONCRETE TO BE TYPE A3 AIR ENTRAINED WITH 4% SLUMP (+/-1%) AND 6% AIR CONTENT (+/-1%) PER ACI 318



HEAVY DUTY FLEXIBLE PAVEMENT



STANDARD DUTY FLEXIBLE PAVEMENT

NOTES
PAVEMENT SECTIONS ARE SUBJECT TO CHANGE AND WILL BE BASED ON THE RESULTS OF FURTHER GEOTECHNICAL INVESTIGATIONS.

Concrete Sidewalk

N.T.S. LD.420 5/25

Asphalt Paving

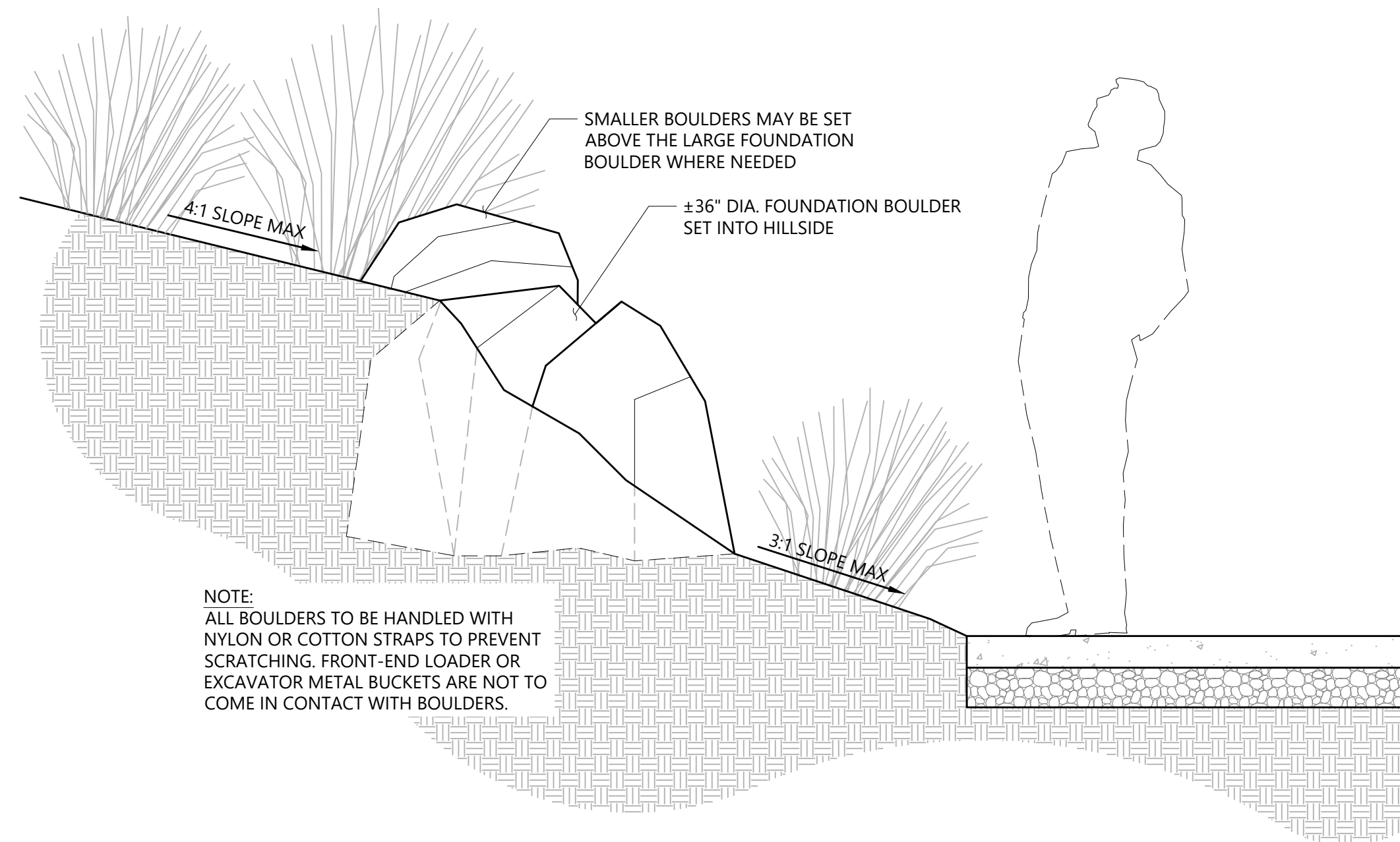
N.T.S. LD.430 5/25

Concrete Unit Pavers

1" = 1'-0" 5/25

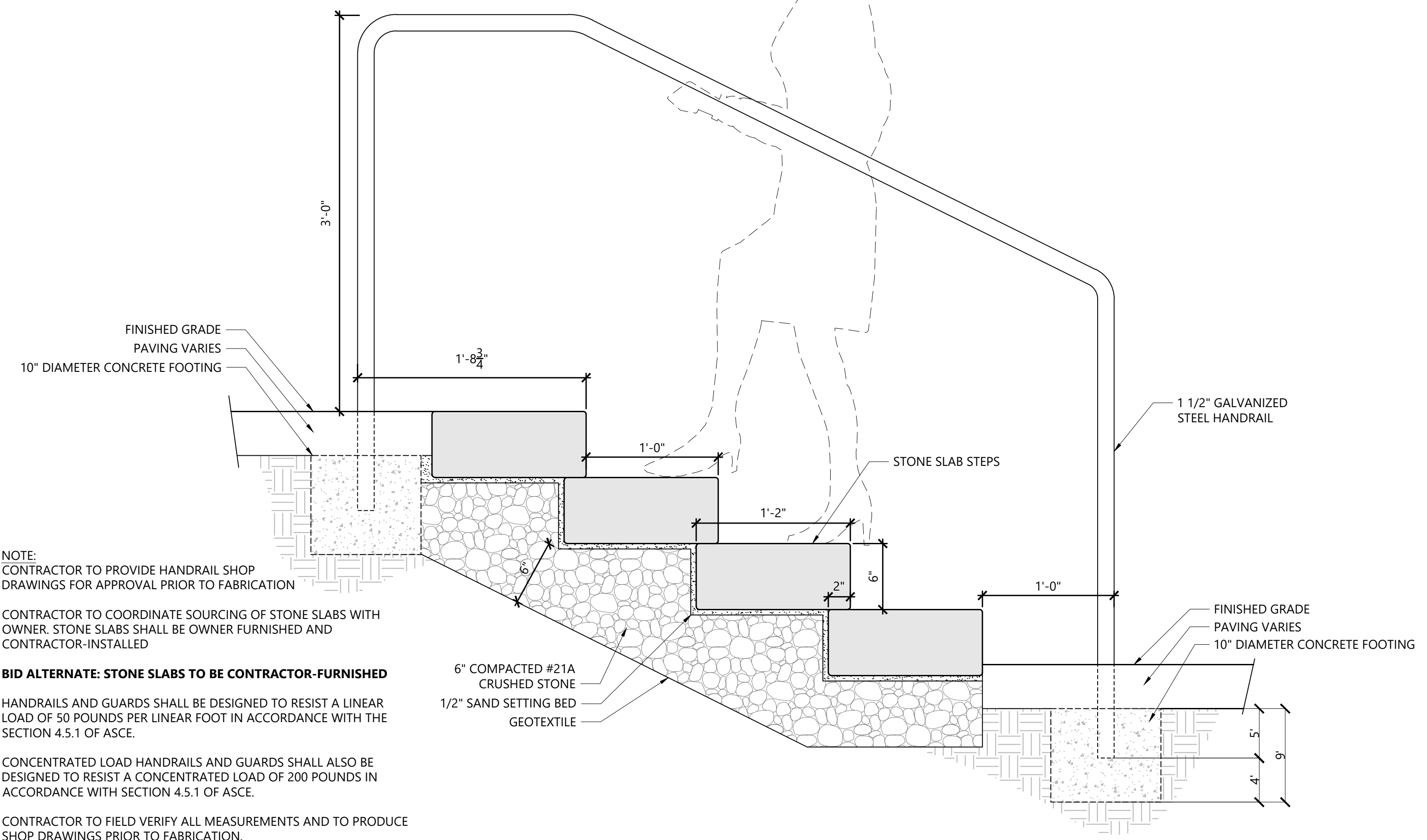
Stone Dust Paving

1 1/2" = 1'-0" 5/25



Boulder Wall

3/4" = 1'-0" 5/25



NOTE:
CONTRACTOR TO PROVIDE HANDRAIL SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION
CONTRACTOR TO COORDINATE SOURCING OF STONE SLABS WITH OWNER. STONE SLABS SHALL BE OWNER FURNISHED AND CONTRACTOR-INSTALLED

BID ALTERNATE: STONE SLABS TO BE CONTRACTOR-FURNISHED

HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST A LINEAR LOAD OF 50 POUNDS PER LINEAR FOOT IN ACCORDANCE WITH THE SECTION 4.5.1 OF ASCE.

CONCENTRATED LOAD HANDRAILS AND GUARDS SHALL ALSO BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 200 POUNDS IN ACCORDANCE WITH SECTION 4.5.1 OF ASCE.

CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND TO PRODUCE SHOP DRAWINGS PRIOR TO FABRICATION.

Landscape Steps with Handrail

1 1/2" = 1'-0" 5/25

Issue Record	Date
SD Pricing	2-9-2023
DD Set	3-23-2023
CD	5-25-2023
BID Set	8-03-2023



SITE DETAILS

Sheet

C9.01

Comm No 2304.00

POROUS ASPHALT AND PADDOCK BMP INSPECTION REQUIREMENTS BEFORE AND DURING CONSTRUCTION

PRECONSTRUCTION MEETINGS. THESE MEETINGS ARE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY LAND-DISTURBING ACTIVITIES AND PRIOR TO THE CONSTRUCTION OF ANY BMPs. THE APPLICANT IS REQUIRED TO CONTACT DOEE TO SCHEDULE PRECONSTRUCTION MEETINGS 3 DAYS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY SUBJECT TO THE REQUIREMENTS OF 21 DCMR, CHAPTER 5.

INSPECTIONS DURING CONSTRUCTION. THE APPLICANT IS REQUIRED TO CONTACT DOEE TO SCHEDULE INSPECTION 3 DAYS PRIOR TO ANY STAGE OF BMP CONSTRUCTION, OR OTHER CONSTRUCTION ACTIVITY, REQUIRING AN INSPECTION. FOR LARGE, COMPLICATED PROJECTS, THE APPLICANT AND DOEE MAY AGREE DURING THE PRECONSTRUCTION MEETING TO AN ALTERNATIVE APPROACH SUCH AS A WEEKLY NOTIFICATION SCHEDULE. ANY SUCH AGREEMENT MUST BE MADE IN WRITING AND SIGNED BY ALL PARTIES. DOEE WILL REVERT TO THE 3-DAY NOTIFICATION PROCEDURE IF THE AGREEMENT IS NOT FOLLOWED.

DURING CONSTRUCTION, DOEE MAY REQUIRE THE PRESENCE OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR SEALING THE APPROVED SWMP; THE PROFESSIONAL ENGINEER RESPONSIBLE FOR CERTIFYING THE AS-BUILT SWMP; OR FOR A PROJECT ENTIRELY IN THE PROW, THE OFFICER OF THE CONTRACTING COMPANY RESPONSIBLE FOR CERTIFYING THE RECORD DRAWING.

FINAL INSPECTION. THE APPLICANT IS REQUIRED TO CONTACT DOEE TO SCHEDULE A FINAL INSPECTION ONE WEEK PRIOR TO THE COMPLETION OF A BMP CONSTRUCTION TO SCHEDULE A FINAL INSPECTION OF THE BMP. UPON COMPLETION OF THE BMP, DOEE WILL CONDUCT A FINAL INSPECTION TO DETERMINE IF THE COMPLETED WORK WAS CONSTRUCTED IN ACCORDANCE WITH APPROVED PLANS.

INFILTRATION SYSTEMS AND BIORETENTION AREAS SHALL BE INSPECTED AT THE FOLLOWING STAGES TO ENSURE PROPER PLACEMENT AND ALLOW FOR INFILTRATION INTO THE SUBGRADE:

- (A) UPON COMPLETION OF STRIPPING, STOCKPILING, OR CONSTRUCTION OF TEMPORARY SEDIMENT CONTROL AND DRAINAGE FACILITIES;
- (B) UPON COMPLETION OF EXCAVATION TO THE SUBGRADE;
- (C) THROUGHOUT THE PLACEMENT OF PERFORATED PVC/HDPE PIPES (FOR UNDERDRAINS AND OBSERVATION WELLS) INCLUDING BYPASS PIPES (WHERE APPLICABLE), GEOTEXTILE MATERIALS, GRAVEL, OR CRUSHED STONE COURSE AND BACKFILL; AND
- (D) UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION;

POROUS ASPHALT MAINTENANCE REQUIREMENTS

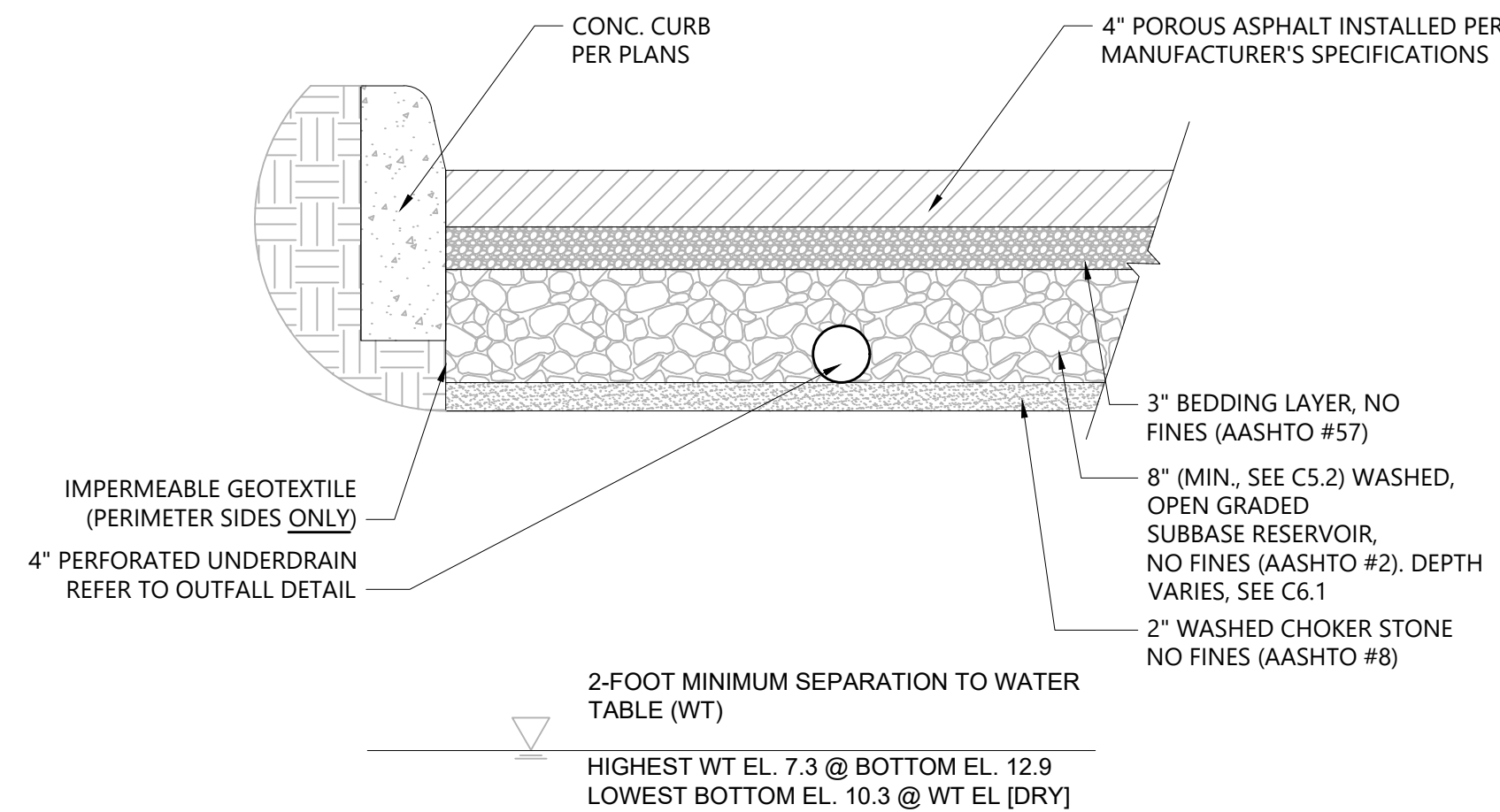
THE FOLLOWING TASKS MUST BE AVOIDED ON ALL PERMEABLE PAVEMENTS: SANDING, RESEALING, RESURFACING, POWER WASHING, STORAGE OF SNOW PILES CONTAINING SAND, STORAGE OF MULCH OR SOIL MATERIALS, CONSTRUCTION STAGING ON UNPROTECTED PAVEMENT

MAINTENANCE TASKS

- FOR THE FIRST 6 MONTHS FOLLOWING CONSTRUCTION, THE PRACTICE AND CDA SHOULD BE INSPECTED AT LEAST TWICE AFTER STORM EVENTS THAT EXCEED 0.5 INCH OF RAINFALL. CONDUCT ANY NEEDED REPAIRS OR STABILIZATION.
- ONCE EVERY 1-2 MONTHS DURING THE GROWING SEASON MOW GRASS IN GRID PAVER APPLICATIONS (CLIPPINGS SHOULD BE REMOVED FROM THE PAVEMENT AREA).
- AS NEEDED:
 - o STABILIZE THE CDA TO PREVENT EROSION.
 - o REMOVE ANY SOIL OR SEDIMENT DEPOSITED ON PAVEMENT.
 - o REPLACE OR REPAIR ANY PAVEMENT SURFACES THAT ARE DEGENERATING OR SPALLING.
- 2-4 TIMES PER YEAR MECHANICALLY SWEEP PAVEMENT WITH A STANDARD STREET SWEEPER TO PREVENT CLOGGING
- ANNUALLY CONDUCT A MAINTENANCE INSPECTION AND REMOVE WEEDS AS NEEDED
- ONCE EVERY 2-3 YEARS REMOVE ANY ACCUMULATED SEDIMENT IN PRETREATMENT CELLS AND INFLOW POINTS
- IF CLOGGED CONDUCT MAINTENANCE USING A REGENERATIVE STREET SWEEPER OR A VACUUM SWEEPER AND REPLACE ANY NECESSARY JOINT MATERIAL

SEASONAL MAINTENANCE CONSIDERATIONS: WINTER MAINTENANCE FOR PERMEABLE PAVEMENTS IS SIMILAR TO STANDARD PAVEMENTS, WITH A FEW ADDITIONAL CONSIDERATIONS:

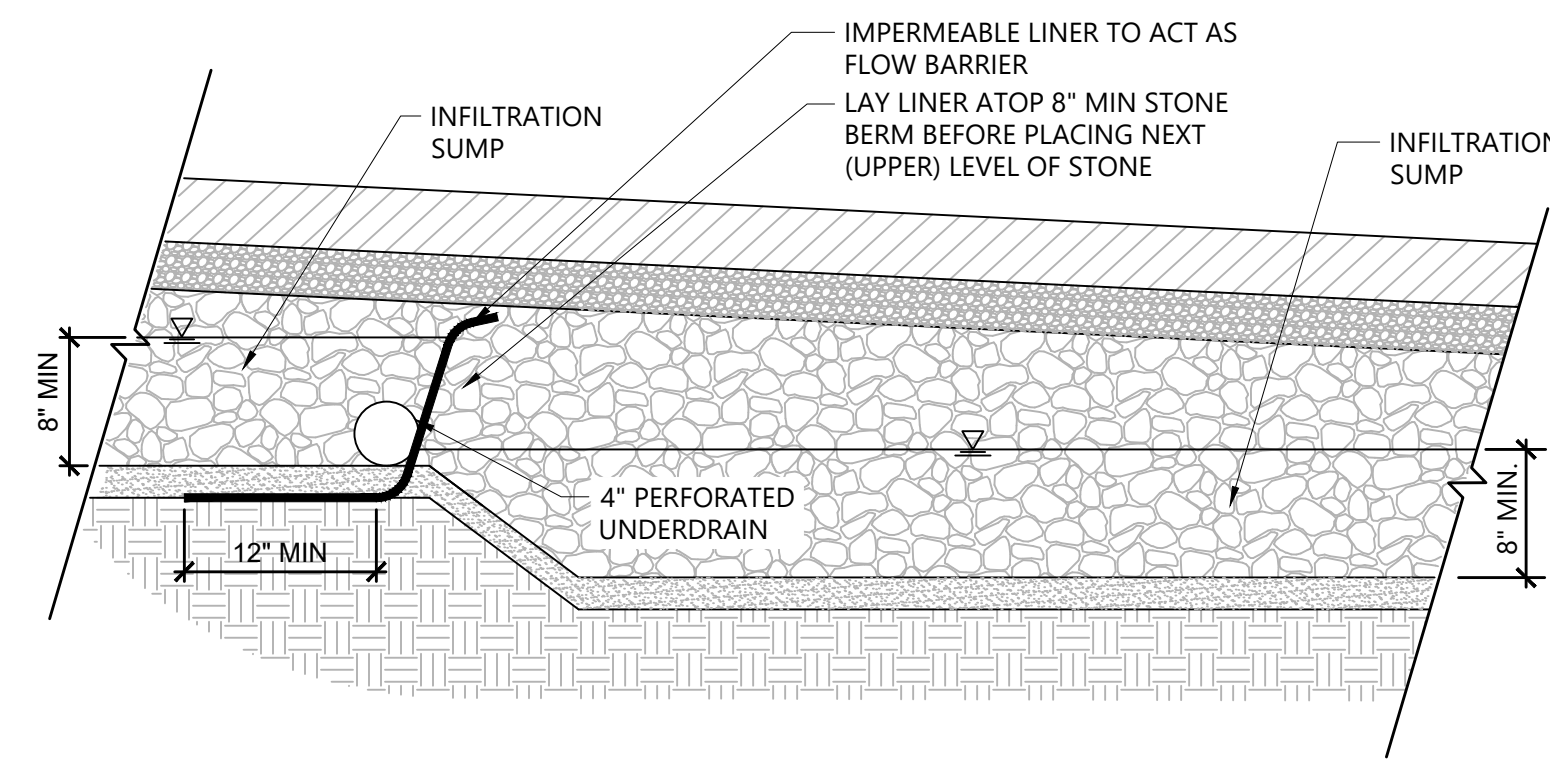
- LARGE SNOW STORAGE PILES SHOULD BE LOCATED IN ADJACENT GRASSY AREAS SO THAT SEDIMENT AND POLLUTANTS IN SNOWMELT ARE PARTIALLY TREATED BEFORE THEY REACH THE PERMEABLE PAVEMENT.
- SAND OR CINDERS SHOULD NEVER BE APPLIED FOR WINTER TRACTION OVER PERMEABLE PAVEMENT OR AREAS OF STANDARD (IMPERVIOUS) PAVEMENT THAT DRAIN TOWARD PERMEABLE PAVEMENT, SINCE IT WILL QUICKLY CLOG THE SYSTEM.
- WHEN PLOWING PLASTIC REINFORCED GRID PAVEMENTS, SNOW PLOW BLADES SHOULD BE LIFTED 0.5 INCH TO 1 INCH ABOVE THE PAVEMENT SURFACE TO PREVENT DAMAGE TO THE PAVING BLOCKS OR TURF. POROUS ASPHALT, PERVIOUS CONCRETE, AND SOME PERMEABLE PAVERS CAN BE PLOWED SIMILARLY TO TRADITIONAL PAVEMENTS, USING SIMILAR EQUIPMENT AND SETTINGS.
- CHLORIDE PRODUCTS SHOULD BE USED JUDICIOUSLY TO DEICE ABOVE PERMEABLE PAVEMENT DESIGNED FOR INFILTRATION, SINCE THE SALT WILL BE TRANSMITTED THROUGH THE PAVEMENT. SALT CAN BE APPLIED BUT ENVIRONMENTALLY SENSITIVE DEICERS ARE RECOMMENDED. PERMEABLE PAVEMENT APPLICATIONS WILL GENERALLY REQUIRE LESS SALT APPLICATION THAN TRADITIONAL PAVEMENTS.



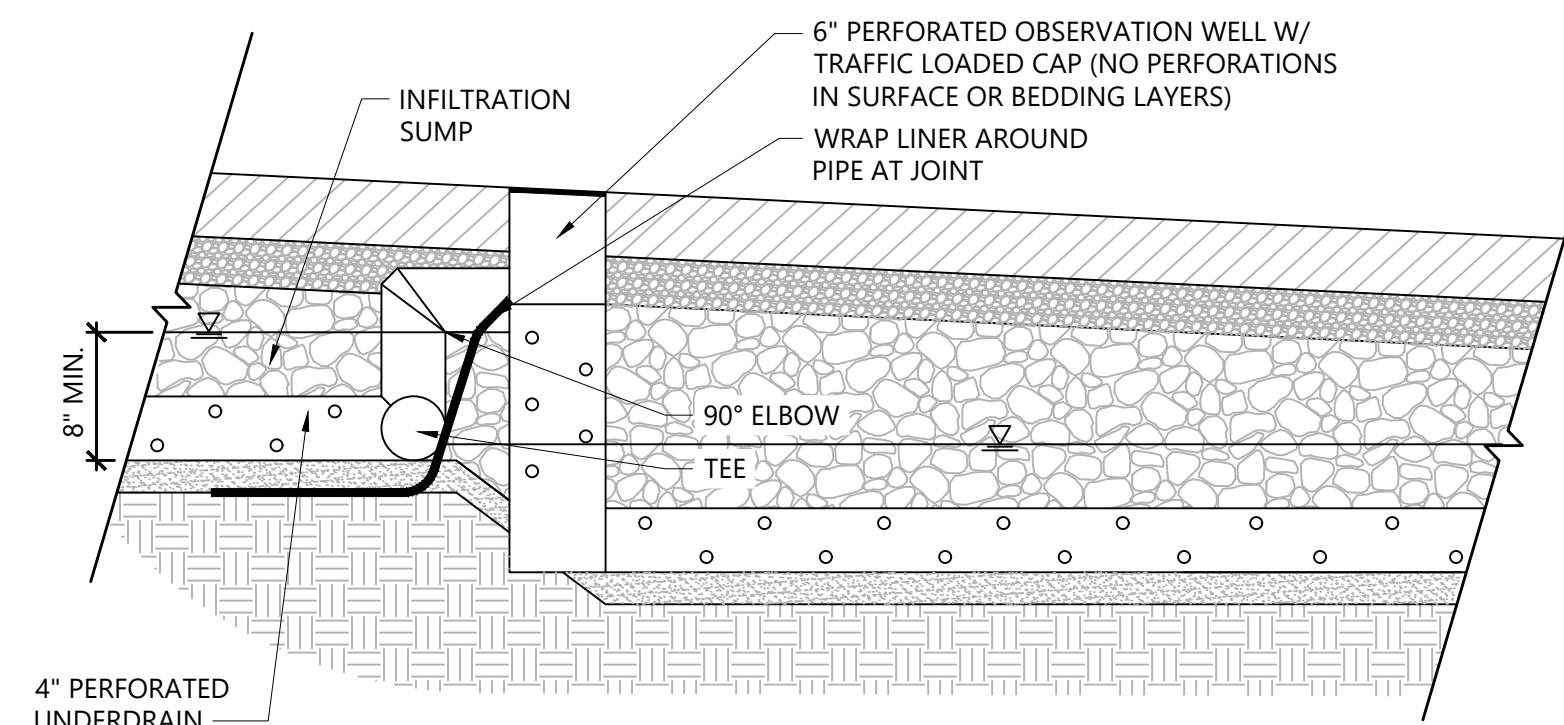
Porous Asphalt U.D. Outfall

7/11

1" = 1'-0"



TYPICAL FLOW BARRIER CONDITION

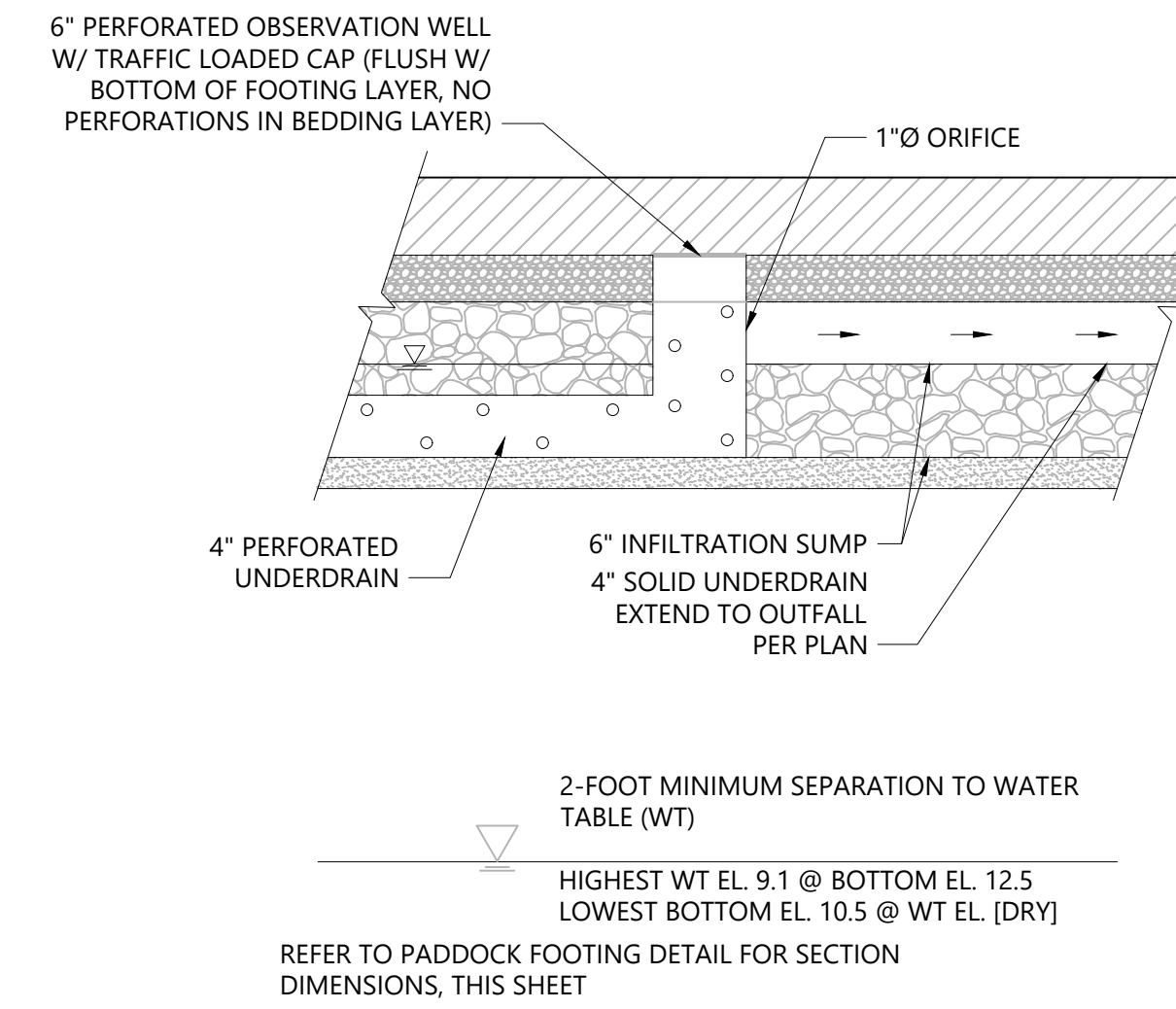


TYPICAL OBSERVATION WELL CONDITION

Porous Asphalt Subgrade/Underdrain Step

7/11

NTS



2-FOOT MINIMUM SEPARATION TO WATER TABLE (WT)
 HIGHEST WT EL. 9.1 @ BOTTOM EL. 12.5
 LOWEST BOTTOM EL. 10.5 @ WT EL. [DRY]
 REFER TO PADDOCK FOOTING DETAIL FOR SECTION DIMENSIONS, THIS SHEET

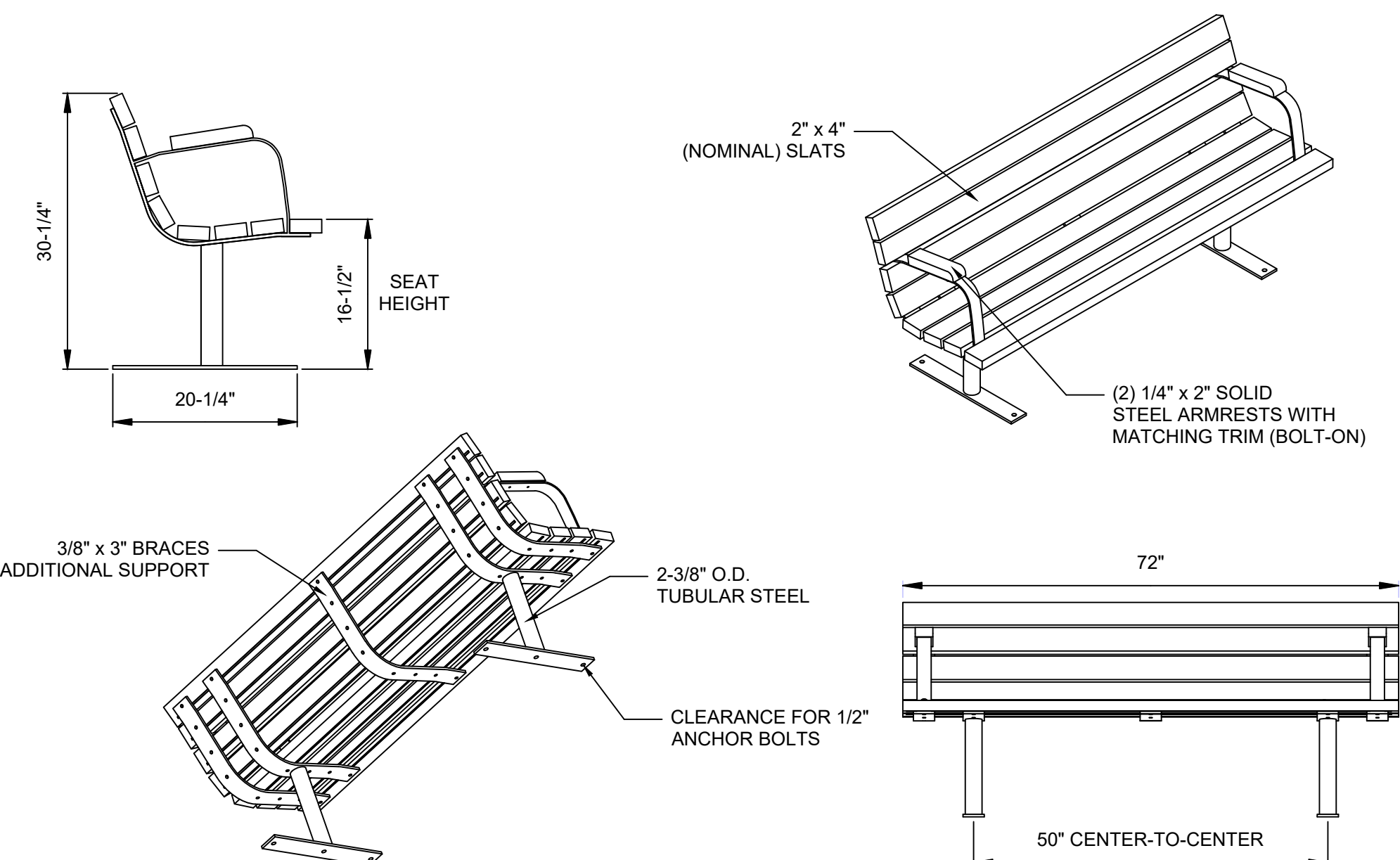
Porous Asphalt U.D. Outfall

7/11

NTS

NOTE:

BENCH DETAIL SHOWN AS BASIS OF DESIGN. CONTRACTOR TO SUBMIT CUTSHEET BASED ON PROVIDED DETAIL. SLATS TO BE RECYCLED PLASTIC.



6' Bench

7/11

NTS

Issue	Record	Date
SD	Pricing	2-9-2023
DD	Set	3-23-2023
CD		5-25-2023
BID	Set	8-03-2023

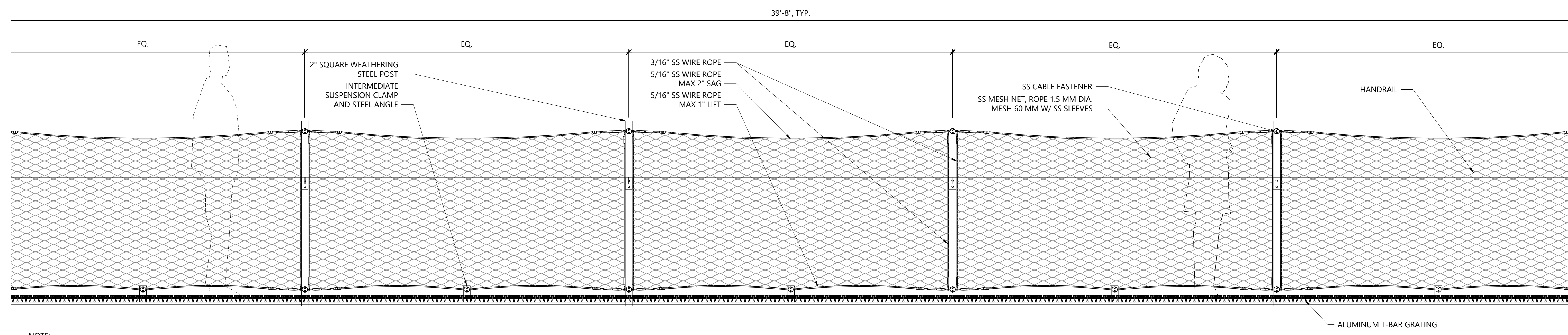


Drawing Title
SITE DETAILS

Sheet

C9.02

Comm No 2304.00

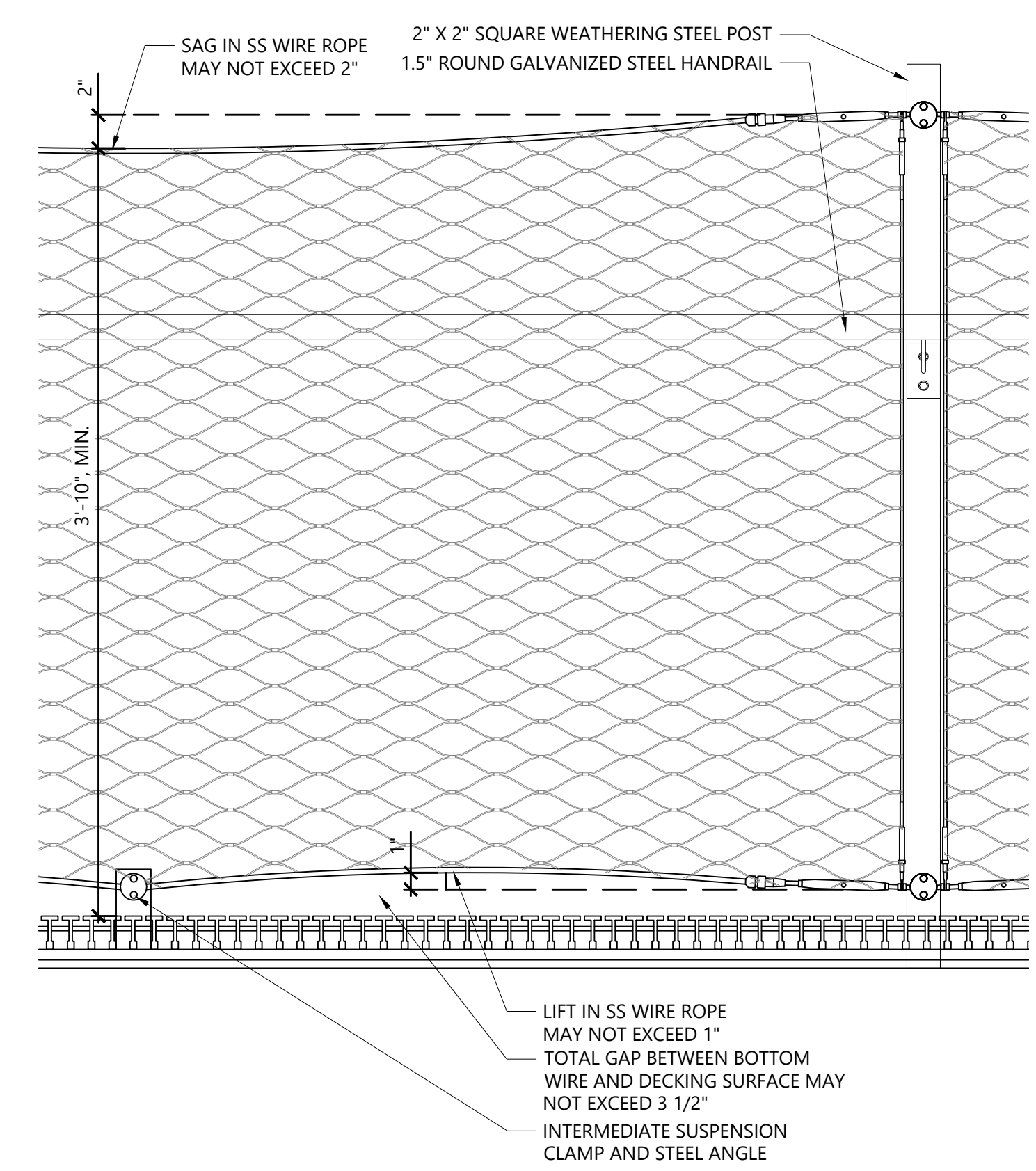


NOTE:
 REQUIRED GUARDS SHALL NOT HAVE OPENINGS WHICH ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER FROM THE WALKING SURFACE TO THE REQUIRED GUARD.
 HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST A LINEAR LOAD OF 50 POUNDS PER LINEAR FOOT IN ACCORDANCE WITH THE SECTION 4.5.1 OF ASCE.
 CONCENTRATED LOAD HANDRAILS AND GUARDS SHALL ALSO BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 200 POUNDS IN ACCORDANCE WITH SECTION 4.5.1 OF ASCE.
 CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND TO PRODUCE SHOP DRAWINGS PRIOR TO FABRICATION.
 REFER TO STRUCTURAL DRAWINGS FOR FOOTING AND FASTENING INFORMATION.

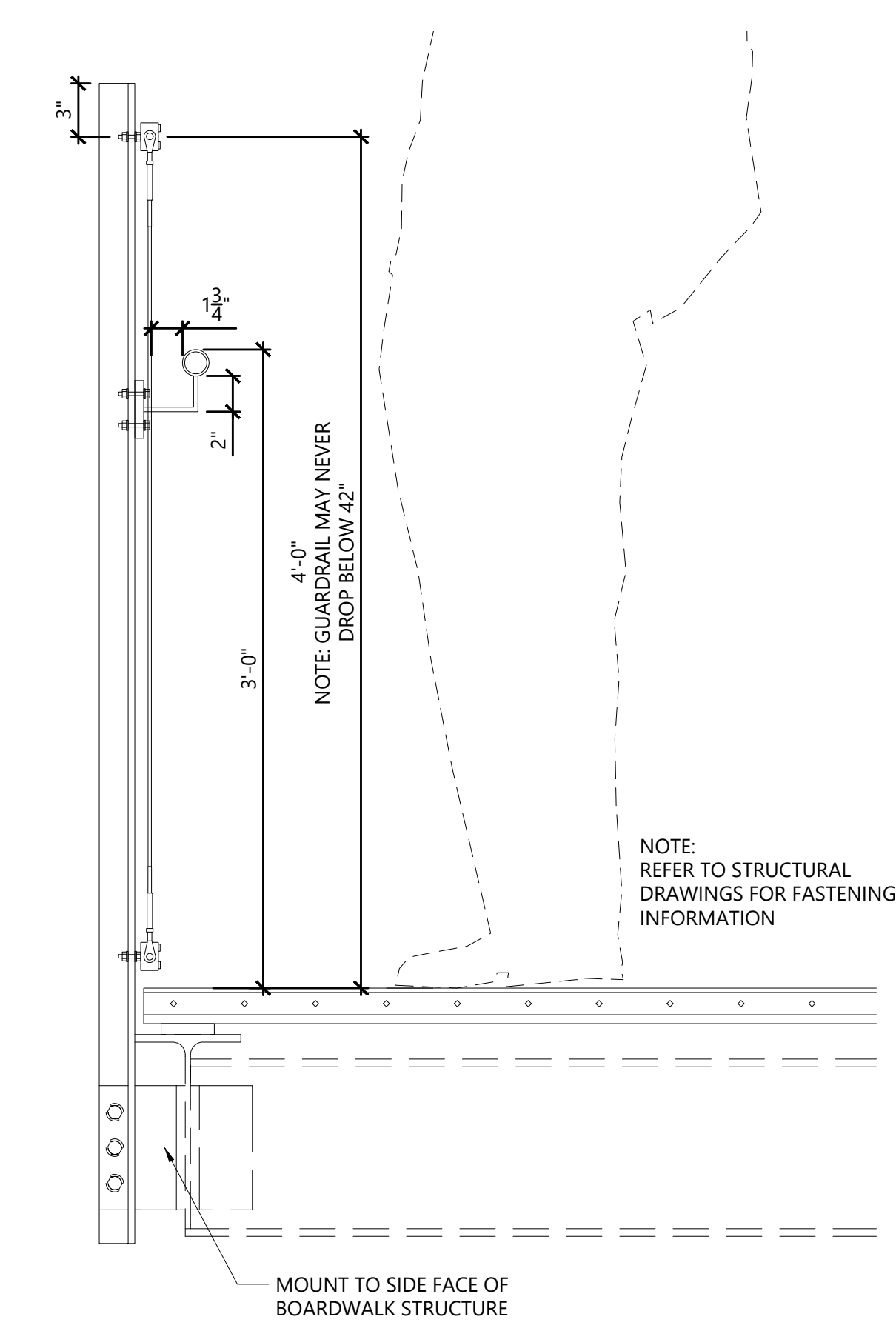
Pedestrian Barrier on Boardwalk / Bridge

3/4" = 1'-0"

5/25



Pedestrian Barrier on Boardwalk / Bridge 5/25
 1 1/2" = 1'-0"



Pedestrian Barrier on Boardwalk / Bridge Section 11/15
 1 1/2" = 1'-0"

Issue Record	Date
SD Pricing	2-9-2023
DD Set	3-23-2023
CD	5-25-2023
BID Set	8-03-2023

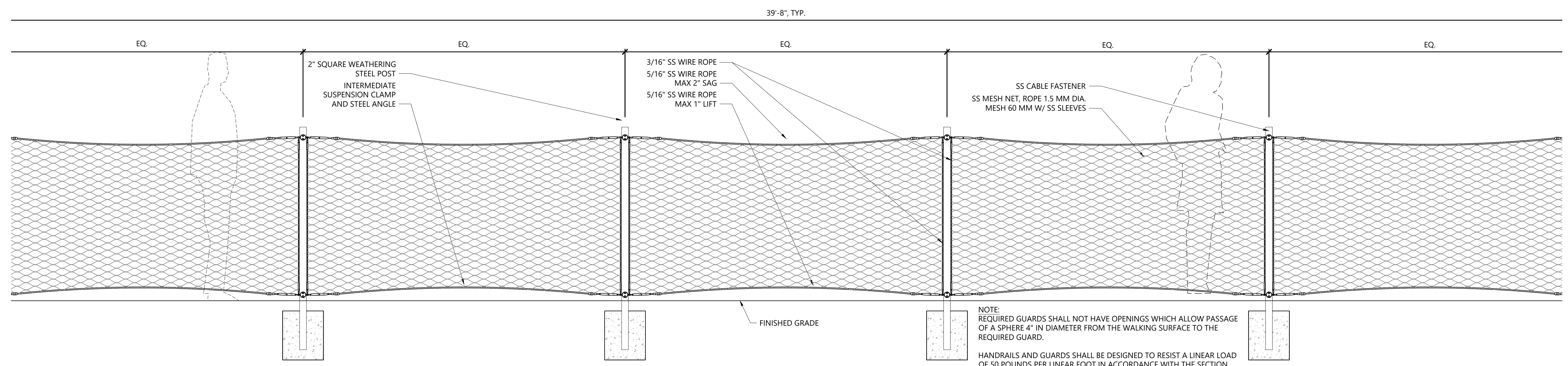


Drawing Title
SITE DETAILS

Sheet

C9.03

Comm No 2304.00



Pedestrian Barrier at Grade
3/4" = 1'-0"

5/25

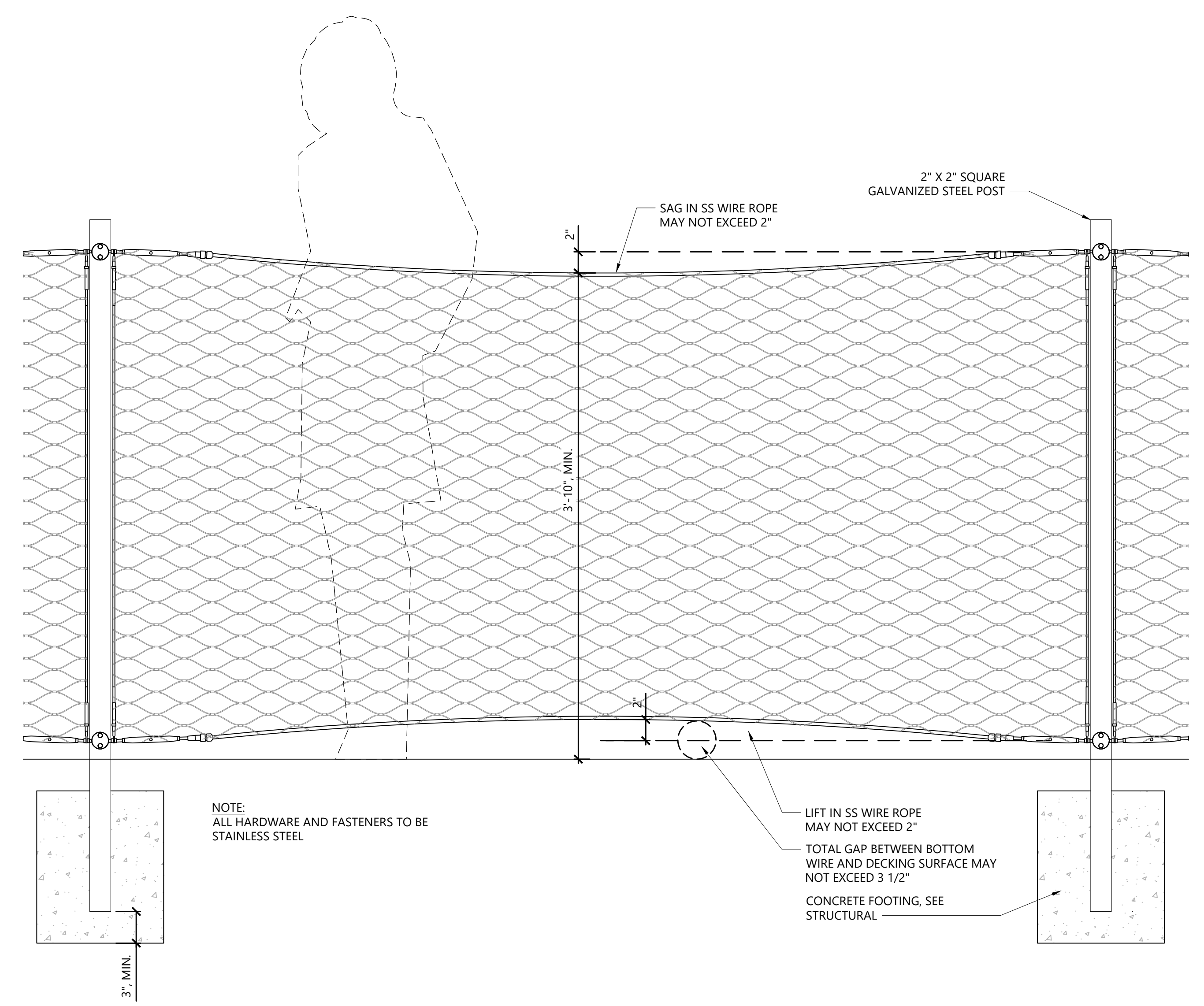
NOTE: REQUIRED GUARDS SHALL NOT HAVE OPENINGS WHICH ALLOW PASSAGE OF A SPHERE 4" IN DIAMETER FROM THE WALKING SURFACE TO THE REQUIRED GUARD.

HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST A LINEAR LOAD OF 50 POUNDS PER LINEAR FOOT IN ACCORDANCE WITH THE SECTION 4.5.1 OF ASCE.

CONCENTRATED LOAD HANDRAILS AND GUARDS SHALL ALSO BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 200 POUNDS IN ACCORDANCE WITH SECTION 4.5.1 OF ASCE.

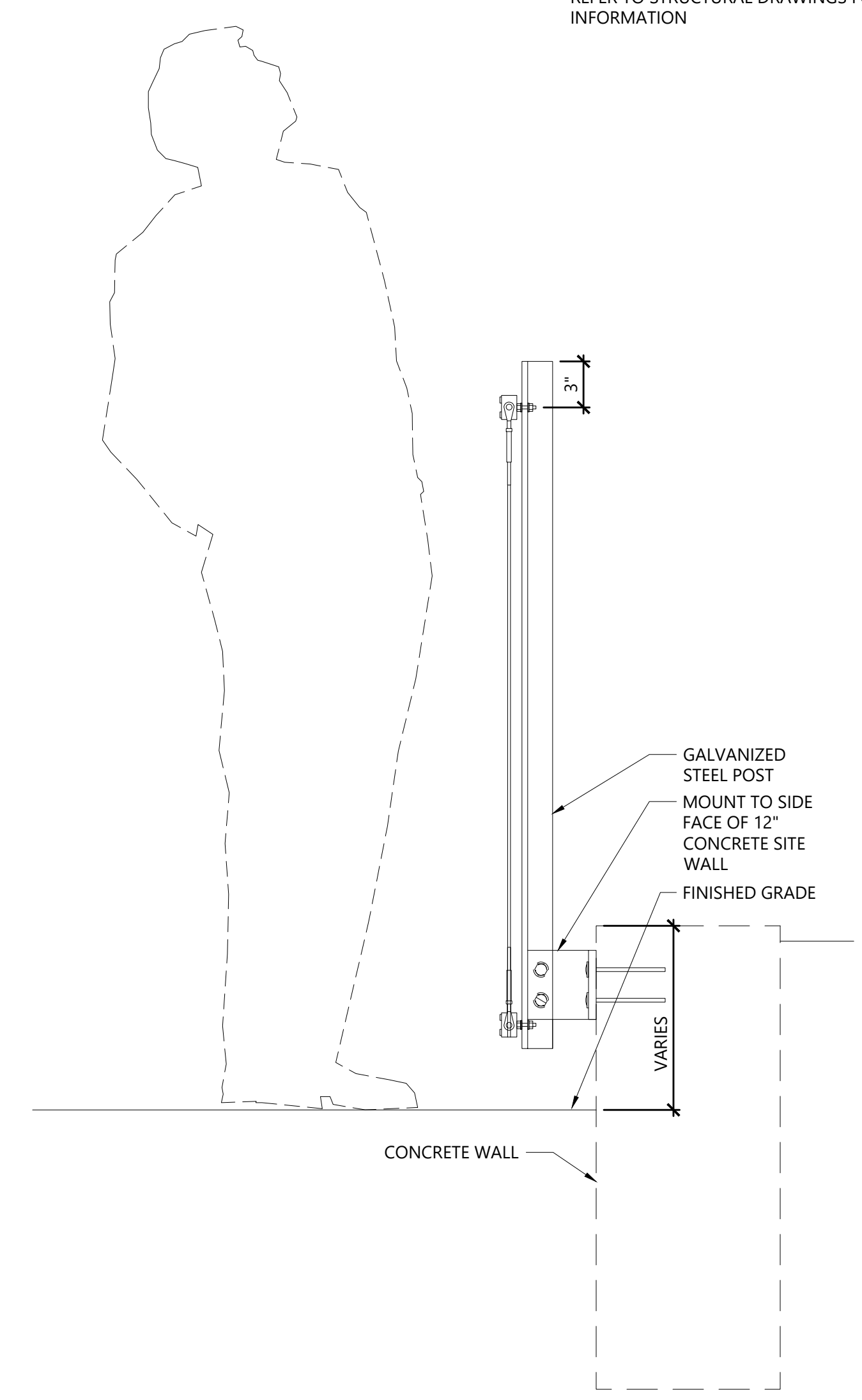
CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND TO PRODUCE SHOP DRAWINGS PRIOR TO FABRICATION.

REFER TO STRUCTURAL DRAWINGS FOR FOOTING AND FASTENING INFORMATION



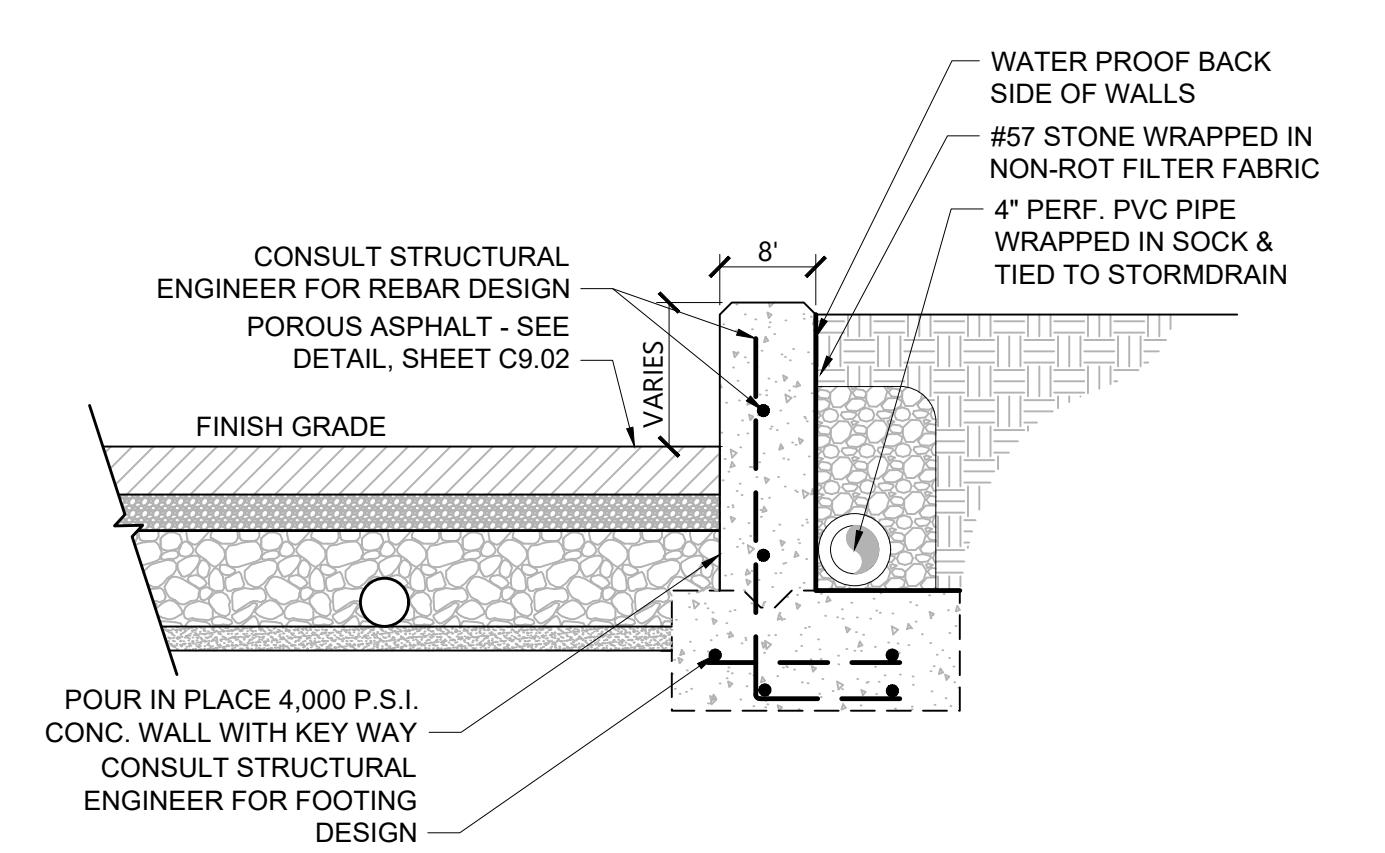
Pedestrian Barrier at Grade
1 1/2" = 1'-0"

5/25



Pedestrian Barrier Mounted to Concrete Wall
1 1/2" = 1'-0"

11/15



Cast in Place Concrete Wall
3/4" = 1'-0"

11/15

Issue Record	Date
SD Pricing	2-9-2023
DD Set	3-23-2023
CD	5-25-2023
BID Set	8-03-2023

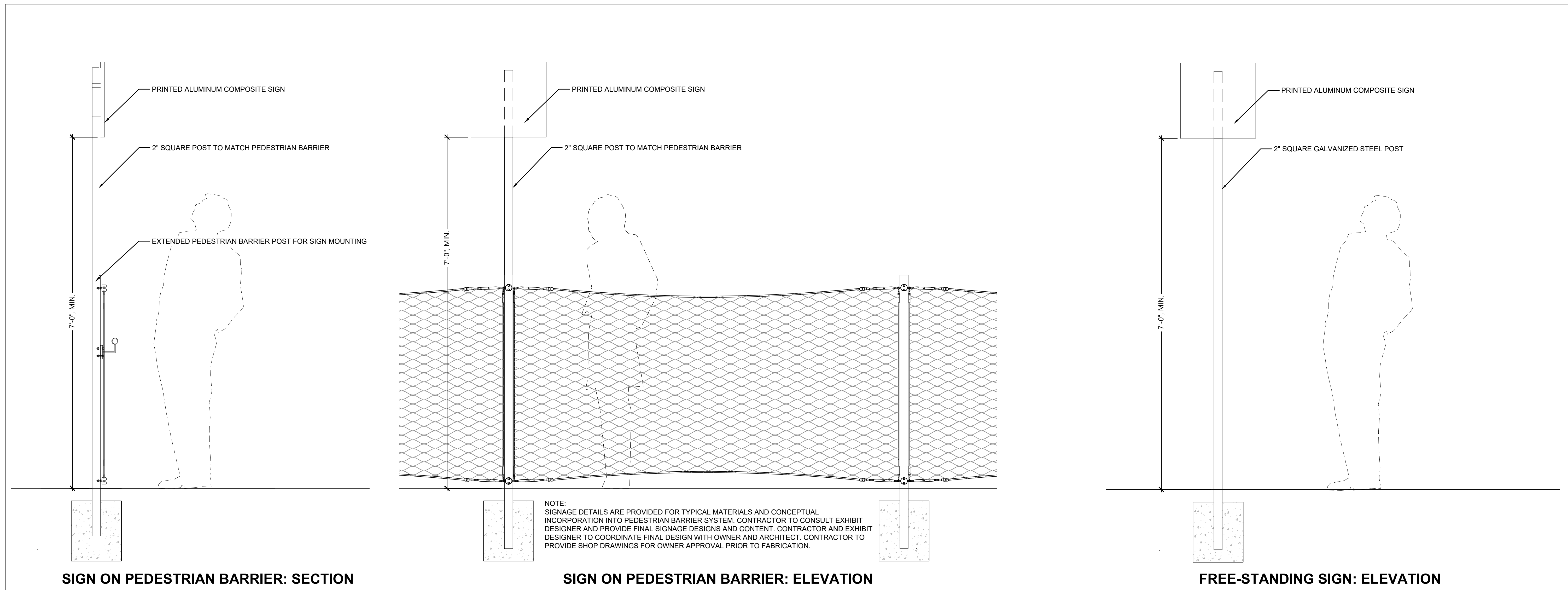


Drawing Title
SITE DETAILS

Sheet

C9.04

Comm No 2304.00



SIGN ON PEDESTRIAN BARRIER: SECTION

SIGN ON PEDESTRIAN BARRIER: ELEVATION

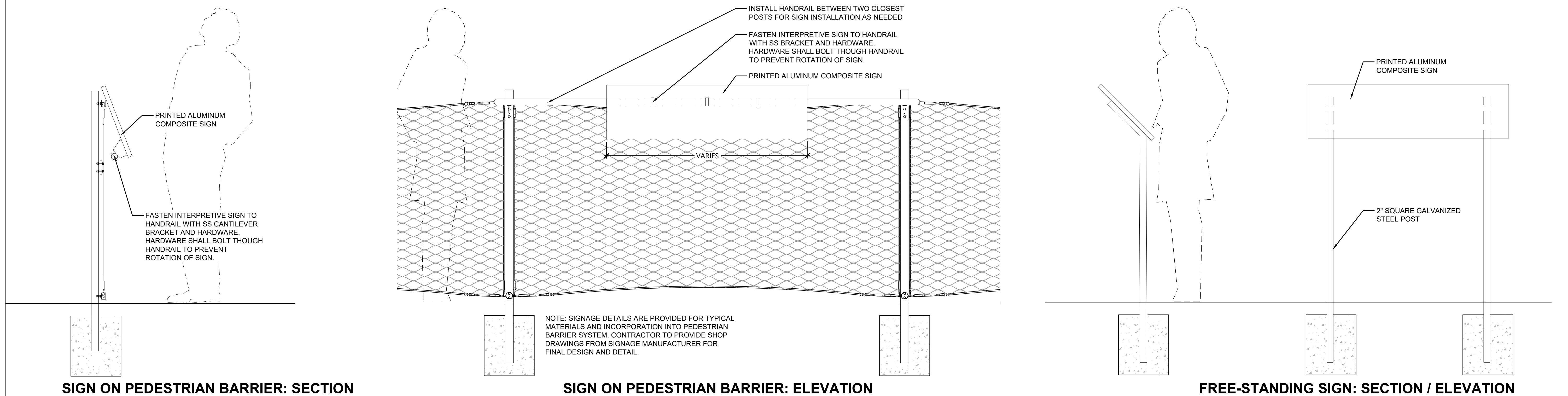
FREE-STANDING SIGN: ELEVATION

NOTE: SIGNAGE DETAILS ARE PROVIDED FOR TYPICAL MATERIALS AND CONCEPTUAL INCORPORATION INTO PEDESTRIAN BARRIER SYSTEM. CONTRACTOR TO CONSULT EXHIBIT DESIGNER AND PROVIDE FINAL SIGNAGE DESIGNS AND CONTENT. CONTRACTOR AND EXHIBIT DESIGNER TO COORDINATE FINAL DESIGN WITH OWNER AND ARCHITECT. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR OWNER APPROVAL PRIOR TO FABRICATION.

TYPICAL WAYFINDING AND HABITAT SIGN

1" = 1'-0"

5/25



SIGN ON PEDESTRIAN BARRIER: SECTION

SIGN ON PEDESTRIAN BARRIER: ELEVATION

FREE-STANDING SIGN: SECTION / ELEVATION

NOTE: SIGNAGE DETAILS ARE PROVIDED FOR TYPICAL MATERIALS AND INCORPORATION INTO PEDESTRIAN BARRIER SYSTEM. CONTRACTOR TO PROVIDE SHOP DRAWINGS FROM SIGNAGE MANUFACTURER FOR FINAL DESIGN AND DETAIL.

TYPICAL INTERPRETIVE SIGN

1" = 1'-0"

07/19

Issue Record	Date
SD Pricing	2-9-2023
DD Set	3-23-2023
CD	5-25-2023
BID Set	8-03-2023



Drawing Title
TYPICAL SIGNAGE DETAILS