

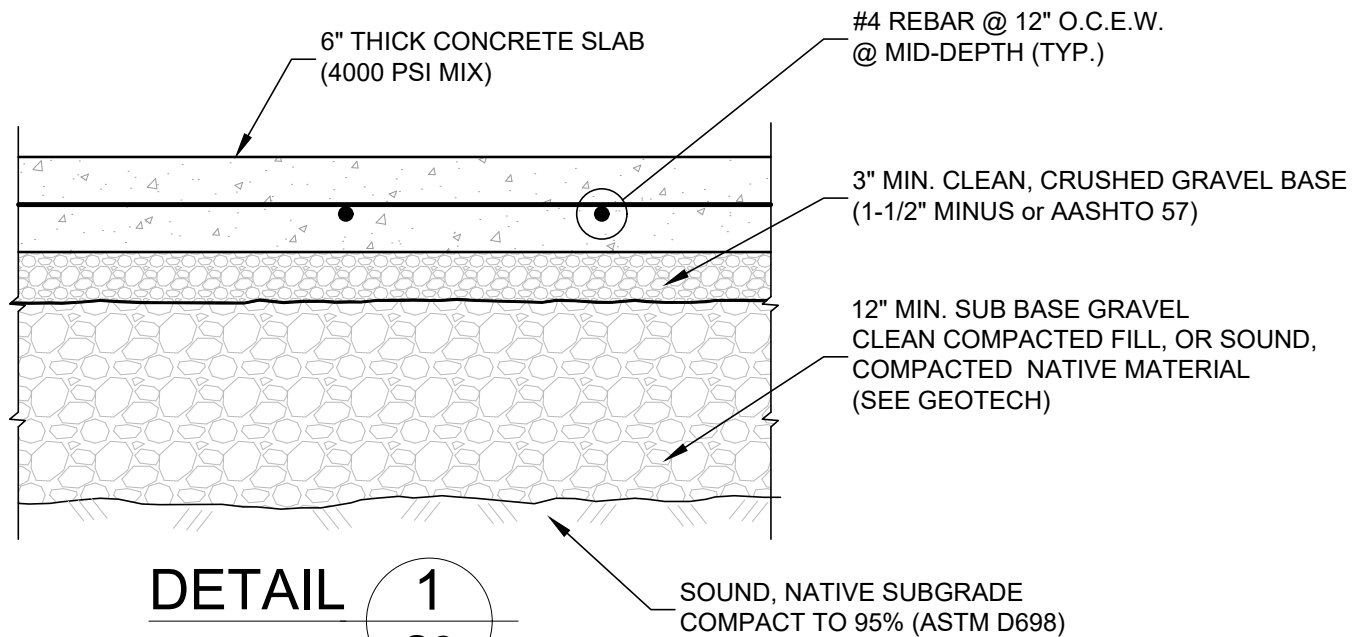
*** NOT FOR CONSTRUCTION ***
FOR BIDDING PURPOSES ONLY

*** REV. #2 ***
4/29/19

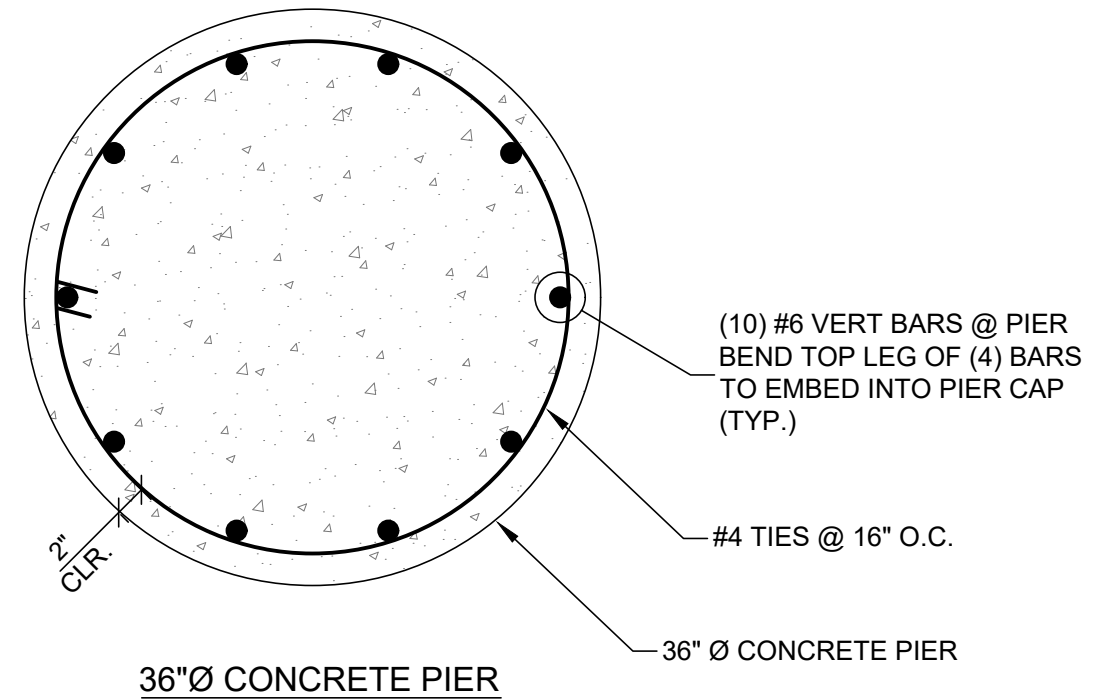
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4/29/19

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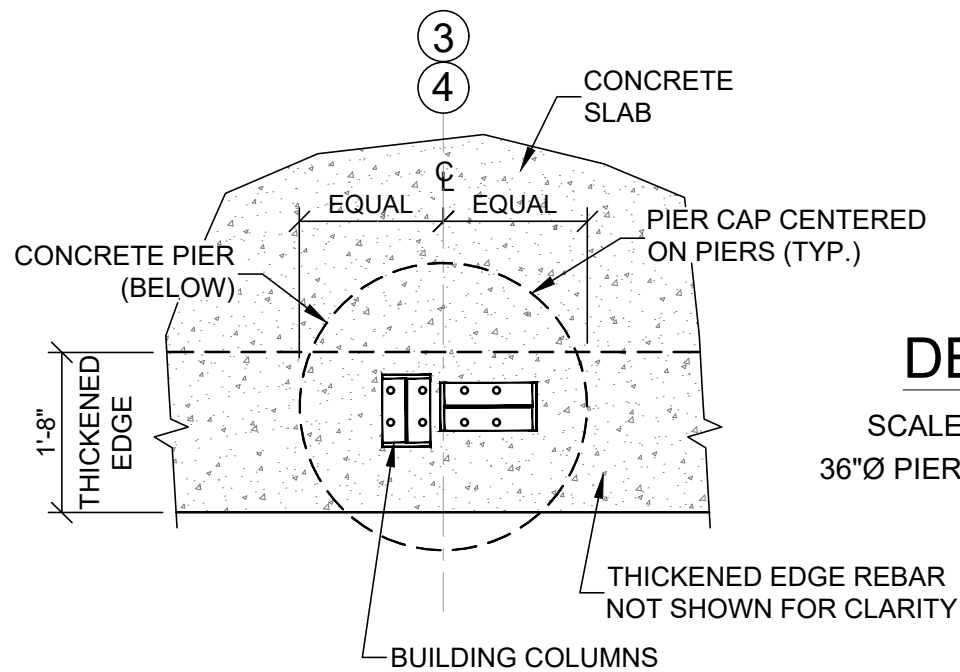
*** REV 2 ***
4/29/19



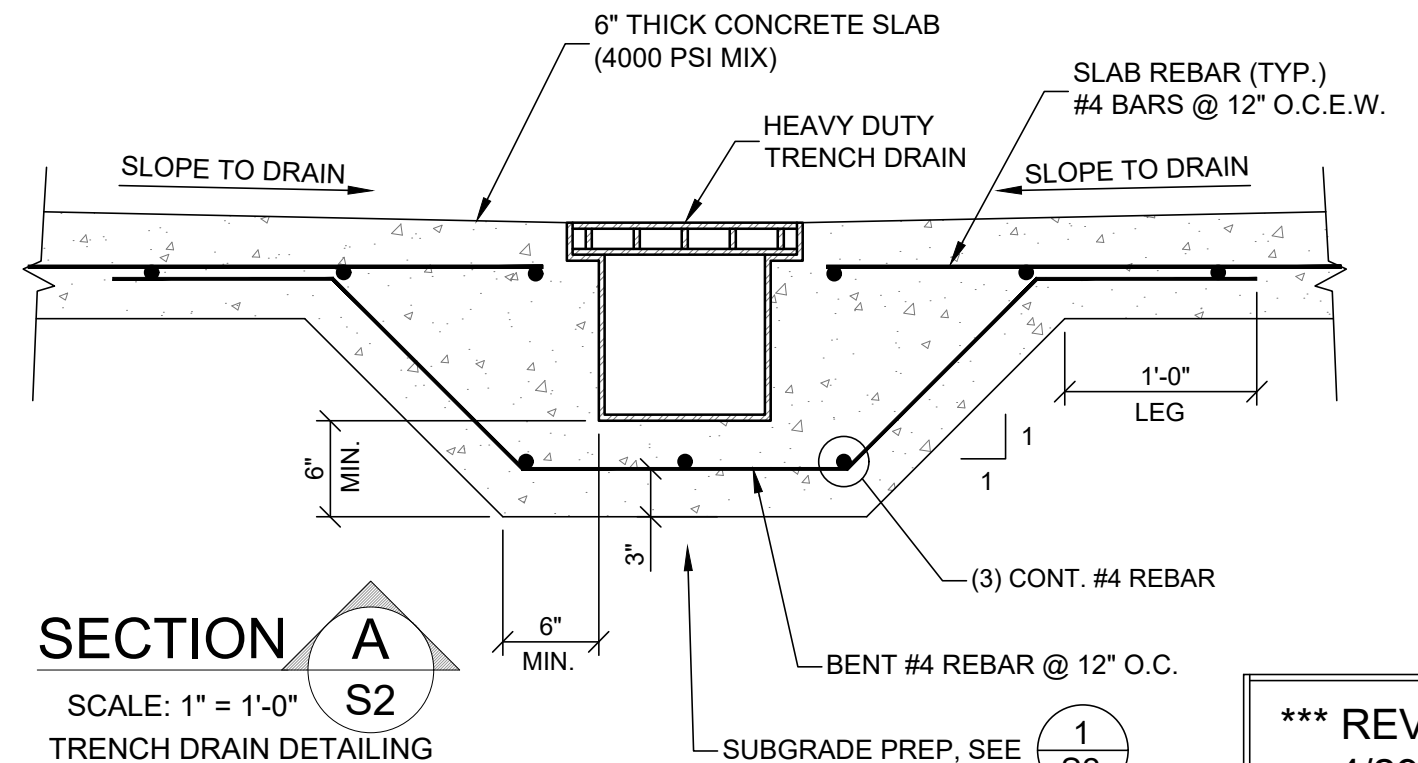
DETAIL 1
SCALE: 1" = 1'-0"
CONCRETE SLAB + SUBGRADE



DETAIL 3
SCALE: 1" = 1'-0"
36" Ø CONCRETE PIER

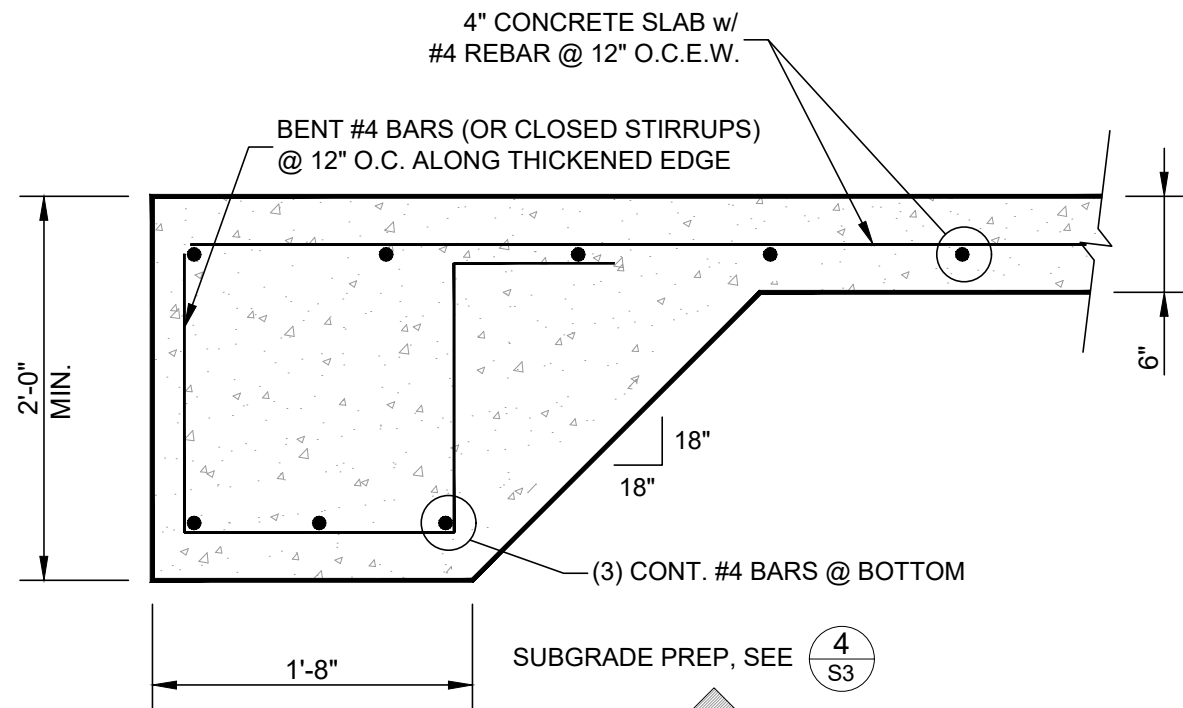


DETAIL 2
SCALE: 1/2" = 1'-0"
36" Ø PIERS @ THICKENED EDGE



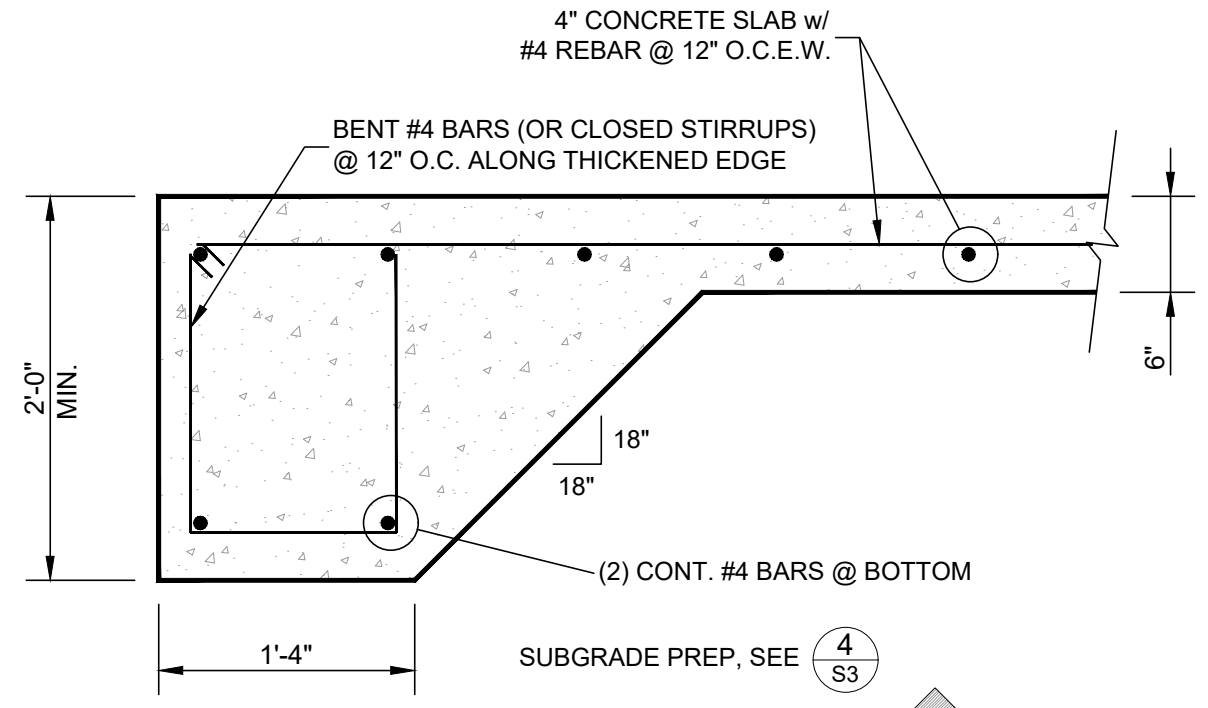
SECTION A
SCALE: 1" = 1'-0"
TRENCH DRAIN DETAILING

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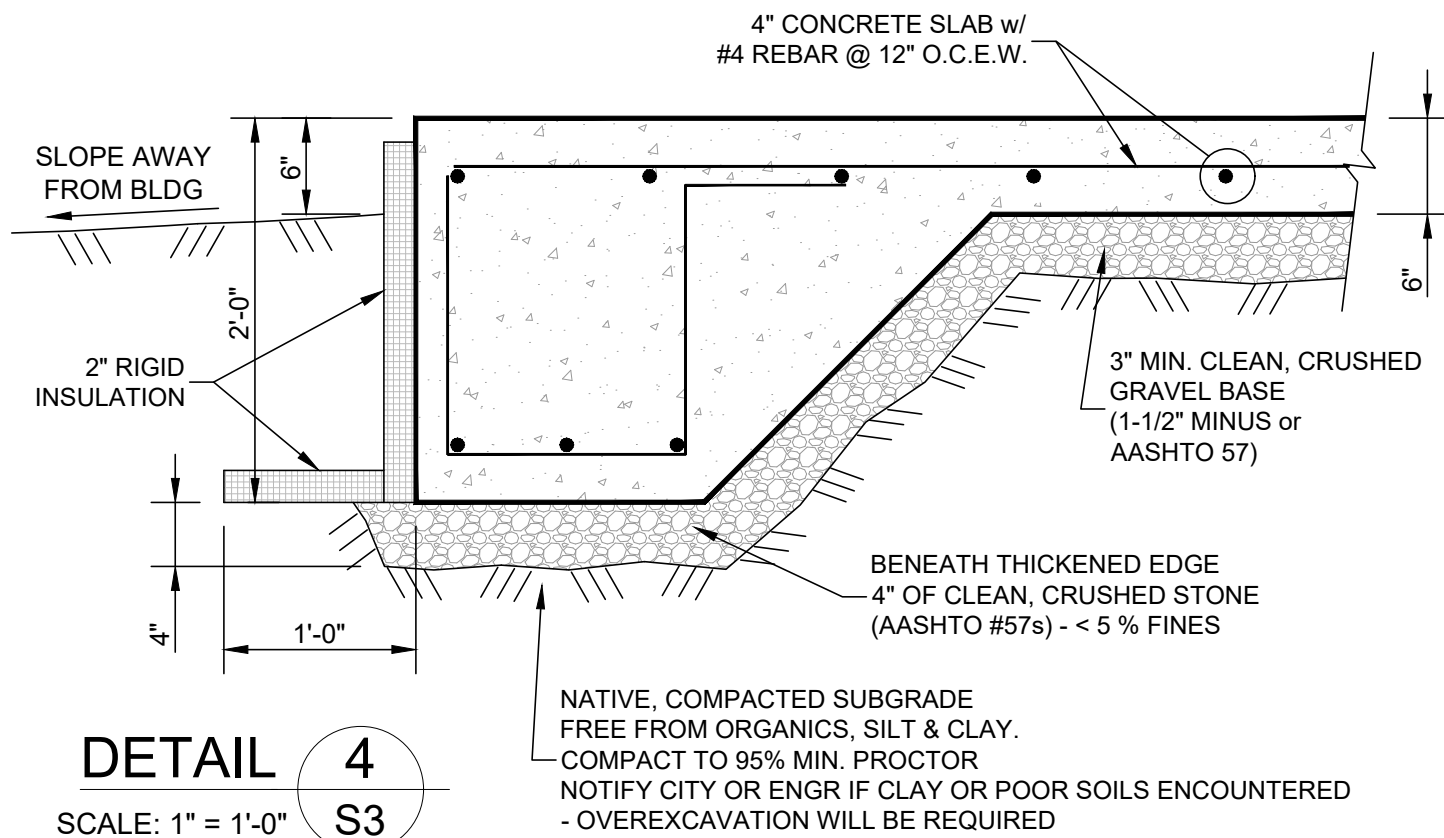
SECTION B

SCALE: 1" = 1'-0"
THICKENED SLAB EDGE ALONG GRIDS A & D



SECTION C

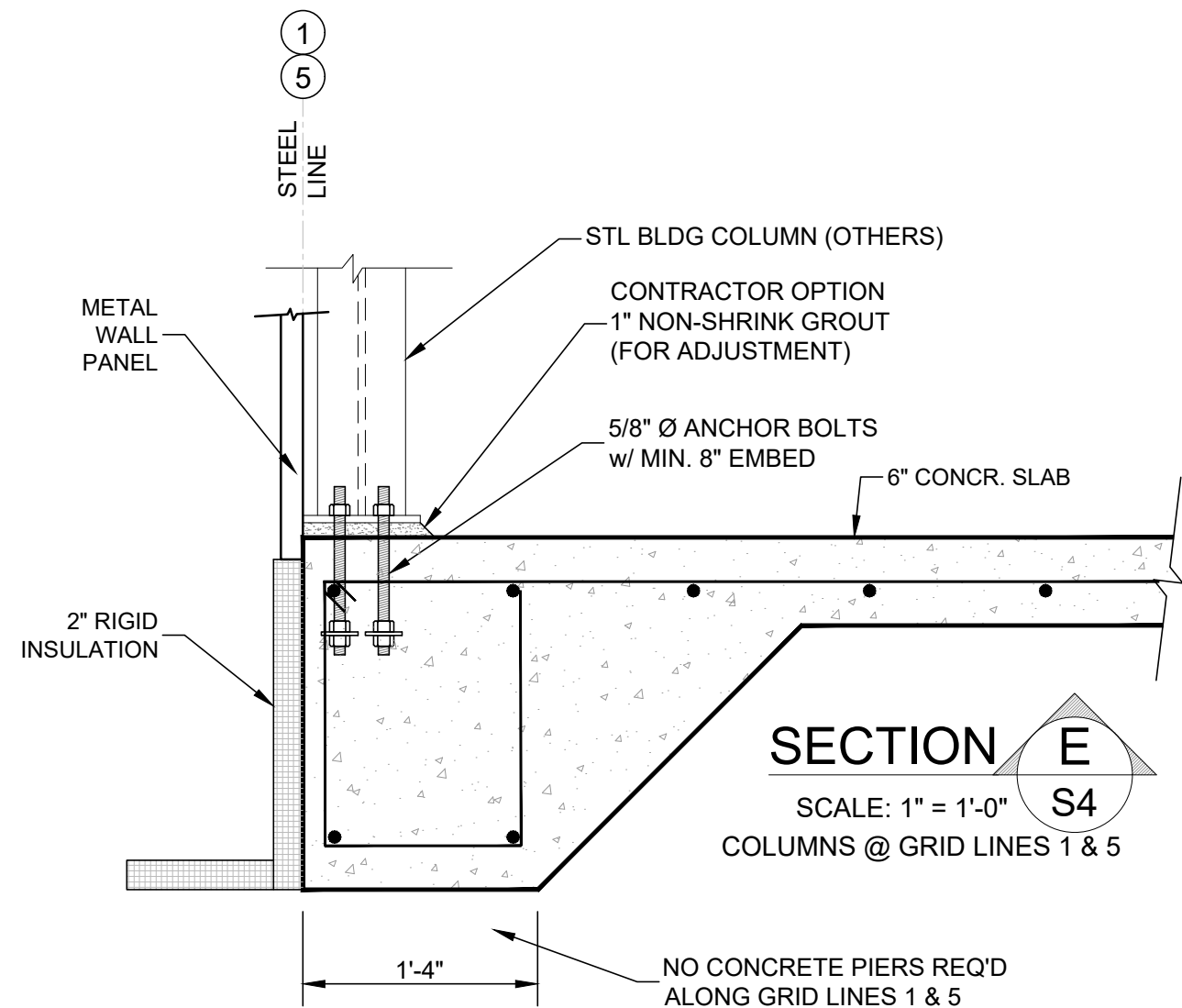
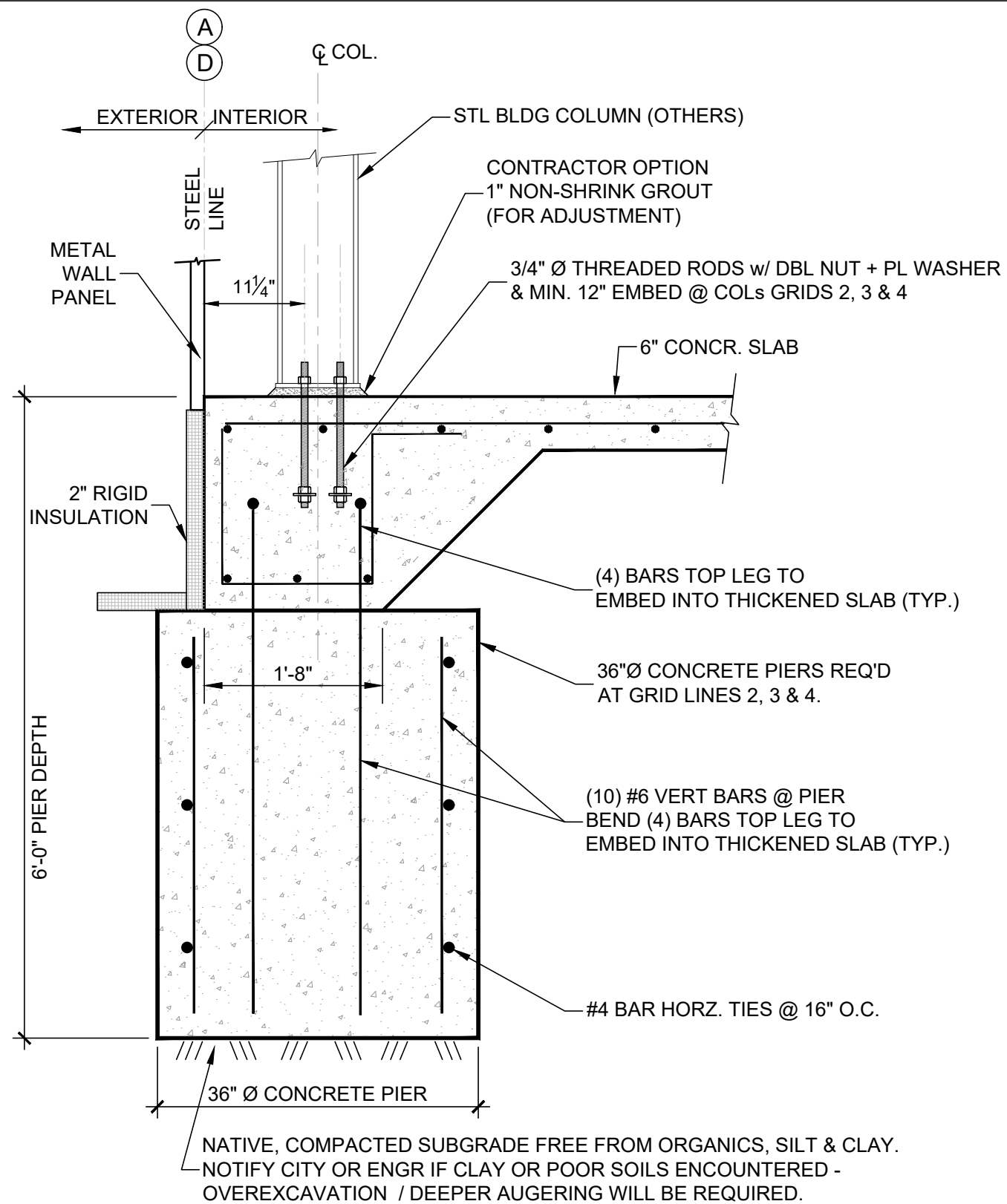
SCALE: 1" = 1'-0"
THICKENED SLAB EDGE ALONG GRIDS 1 & 5



DETAIL 4

SCALE: 1" = 1'-0"
THICKENED EDGE SLAB DETAILS

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GENERAL PROJECT NOTES:

1. WORK THESE PLANS WITH THE GENERAL STEEL CORPORATION BUILDING SERVICES GROUP DRAWING PACKAGE, FOR THE "CITY OF LIVINGSTON, LIVINGSTON, MT", JOB NO. 16-B-82743, DATED JAN 3, 2019. NOTIFY ENGINEER IF ANY LAYOUT DISCREPANCIES.
2. ALL CONSTRUCTION MATERIALS, DETAILING, CONNECTIONS AND WORKMANSHIP NOT SHOWN IN THESE PLANS SHALL COMPLY WITH 2012 INTERNATIONAL BUILDING CODE STANDARDS AND ACI 318.
3. THE CONTRACTOR SHALL REVIEW ALL LAYOUTS, ELEVATIONS AND DIMENSIONS PRIOR TO INSTALLATION. THE OWNER OR ENGINEER SHALL BE NOTIFIED OF ANY DIMENSIONAL DISCREPANCIES OR INCONSISTENCIES BEFORE MATERIALS ARE ORDERED OR FABRICATED, AND BEFORE INSTALLATION BEGINS.
4. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING, FABRICATING, FORMING AND INSTALLING MATERIALS.
5. DO NOT SUBSTITUTE MATERIALS, OR DO NOT MODIFY LAYOUT, SPANS OR STRUCTURAL ELEMENTS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
6. CONTRACTOR TO PROVIDE REBAR SHOP DRAWINGS TO OWNER FOR REVIEW + APPROVAL AT LEAST 7 DAYS BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO PROVIDE CONCRETE MIX DESIGN & ANY ADMIXTURE INFO TO OWNER FOR REVIEW + APPROVAL AT LEAST 7 DAYS BEFORE CONCRETE PLACEMENT.

EARTHWORK AND FOUNDATIONS

1. CONCRETE PIERS ARE DESIGNED FOR 2500 PSF BEARING PRESSURE CAPACITY. CONTRACTOR SHALL EXCAVATE TO PIER DEPTHS SHOWN & ENSURE SUBGRADE IS CLEAN, GRANULAR, WITH SAND OR GRAVEL SUBGRADE.
2. IF BOTTOM OF EXCAVATION HAS POOR SOILS OR EXCESSIVE CLAY, OVER-EXCAVATION MUST BE PERFORMED UNTIL SOUND MATERIAL IS DISCOVERED. FILL ANY OVER-EXCAVATION WITH CLEAN & COMPACTED STRUCTURAL FILL.
3. CONTACT FOUNDATION ENGINEER IF POOR SOILS OR EXCESSIVE GROUNDWATER ARE DISCOVERED AT EITHER PIER AUGERING LOCATIONS OR SLAB SUBGRADE BEFORE INSTALLING CONCRETE .

CONCRETE MIX NOTES :

- | | |
|------------------------------|--------------------|
| - MAXIMUM WATER-CEMENT RATIO | 0.45 |
| - MINIMUM CEMENT CONTENT | 575 lb per cu. yd. |
| - AIR CONTENT | 5% to 7% |
| - SLUMP | 3" to 5" |

GENERAL CONCRETE NOTES :

ALL CONCRETE CONSTRUCTION, MIX DESIGN AND PLACEMENT METHODS SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL AND REINFORCED CONCRETE", ACI 318 AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", AC1 301.

MINIMUM CONCRETE STRENGTH SHALL BE 4,000 P.S.I. AT 28 DAYS.

ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH A.C.I. 318.

ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4".

ALL JOINTS BETWEEN SEPARATE POURS SHALL BE KEYED TOGETHER. MINIMUM KEY SIZE SHALL BE 2"DP. x 4"W. UNLESS OTHERWISE NOTED.

ALL REINFORCING BARS SHALL BE ASTM A615, GRADE 60.

ALL REINFORCING BARS SHALL BE LAPPED AS PER CRSI LATEST EDITION (TENSION SPLICE CLASS "B").

ANCHOR BOLTS: ASTM F1554, GRADE 55, IN SIZES INDICATED. THREADED ROD OF SAME GRADE MAY BE USED.

SLAB CONTROL JOINTS SHALL BE SAWCUT 1/4" WIDE x 1-1/4" DEEP, MAXIMUM PATTERN OF 12FT X 12 AND ALL SLAB RE-ENTRANT CORNERS.

ACI 305 SPECIFICATION FOR HOT WEATHER CONCRETE PLACEMENT TECHNIQUES MUST BE FOLLOWED.

ACI 306 SPECIFICATION FOR COLD WEATHER CONCRETE PLACEMENT TECHNIQUES MUST BE FOLLOWED.

CONTRACTOR TO PROVIDE REBAR SHOP DRAWINGS TO OWNER FOR REVIEW + APPROVAL AT LEAST 7 DAYS BEFORE BEGINNING CONSTRUCTION.

CONTRACTOR TO PROVIDE CONCRETE MIX DESIGN TO OWNER FOR REVIEW APPROVAL AT LEAST 7 DAYS BEFORE CONCRETE PLACEMENT. TECH INFO OF ANY ADMIXTURES, WATER REDUCERS OR CURING COMPOUNDS MUST ALSO BE PROVIDED FOR REVIEW + APPROVAL.

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