

DRAWN BY: ZAP
CHECKED BY: SES
APPROVED BY: TB
PROJECT #: 50123704
JOB #: 50138552

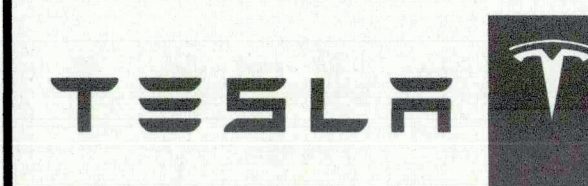
SUBMITTALS

REV.	DATE	DESCRIPTION
B	09/02/21	REVISED PER COMMENTS
A	08/12/21	ISSUED FOR 90% DESIGN

SITE NAME:
YUCCA VALLEY, CA
(TRT: 18883)
SITE ADDRESS:
57220 TWENTYNINE PALMS HWY SUITE EV
YUCCA VALLEY, CA 92832

SHEET TITLE
CONSTRUCTION DETAILS I

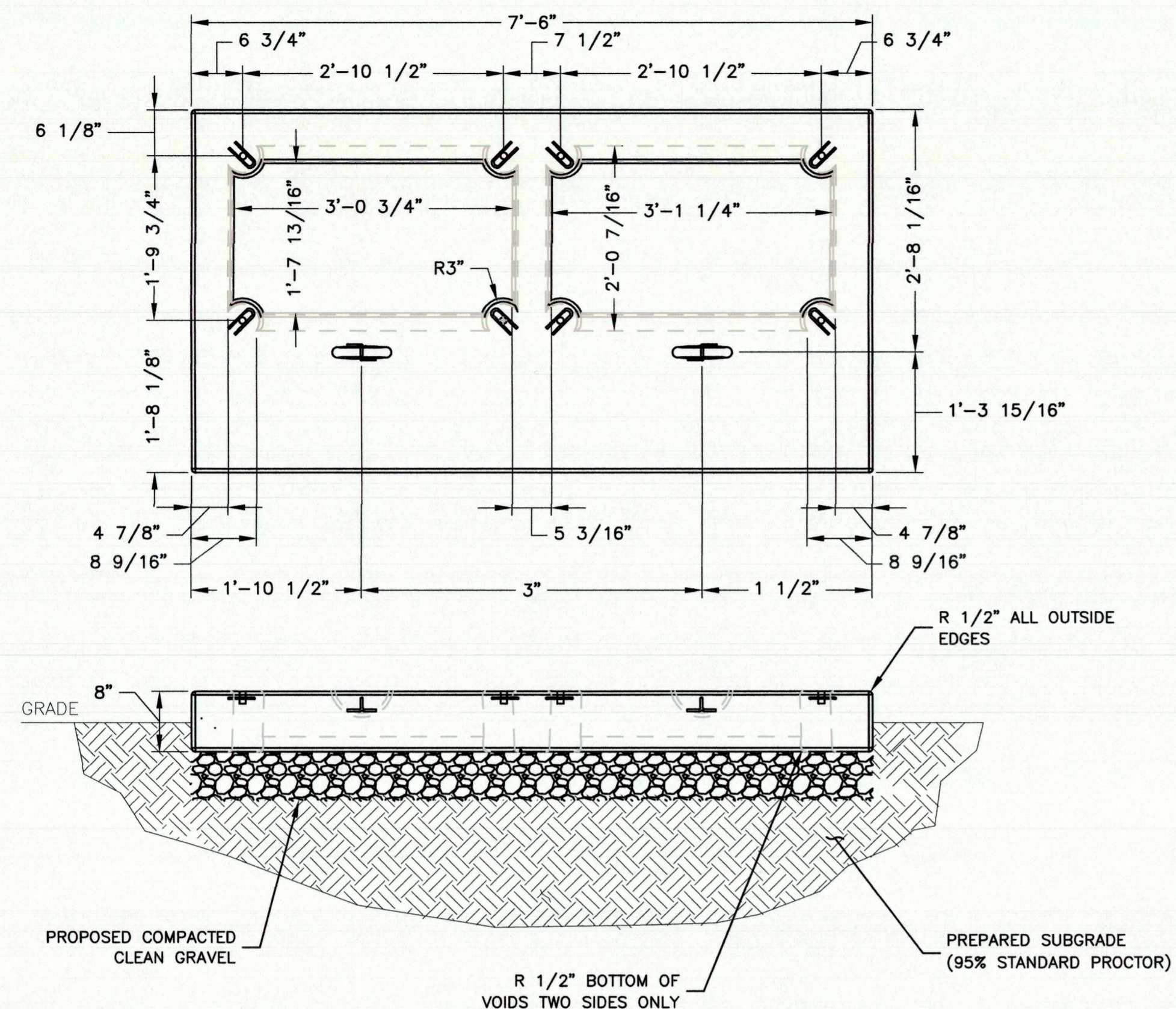
SHEET NUMBER
C-4



3500 DEER CREEK ROAD
PALO ALTO, CA 94304
(650) 681-5000



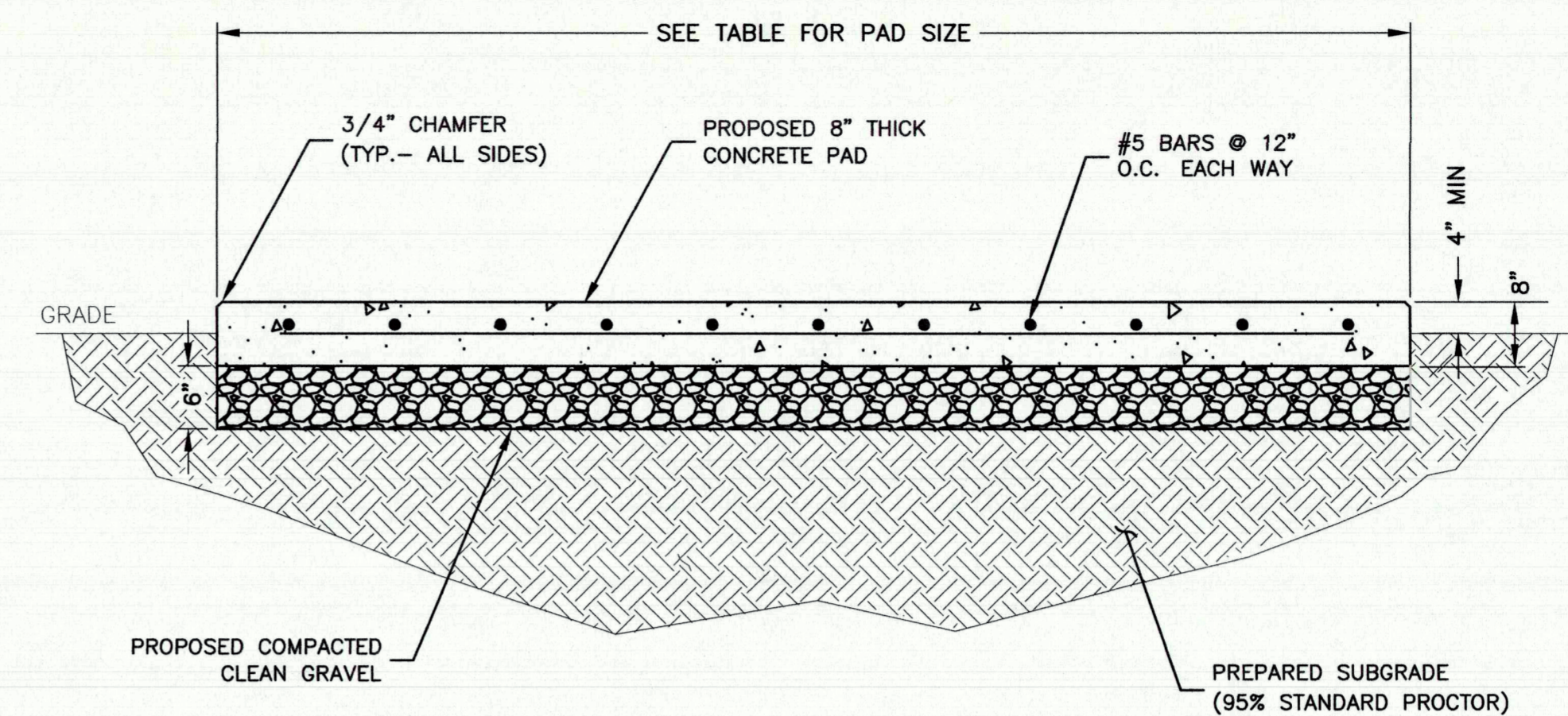
Dewberry Engineers Inc.
100 OCEANGATE
SUITE 400
LONG BEACH, CA 90802
PHONE: 562.350.0570



PRECAST SWITCHGEAR FOUNDATION

SCALE: N.T.S.

1A



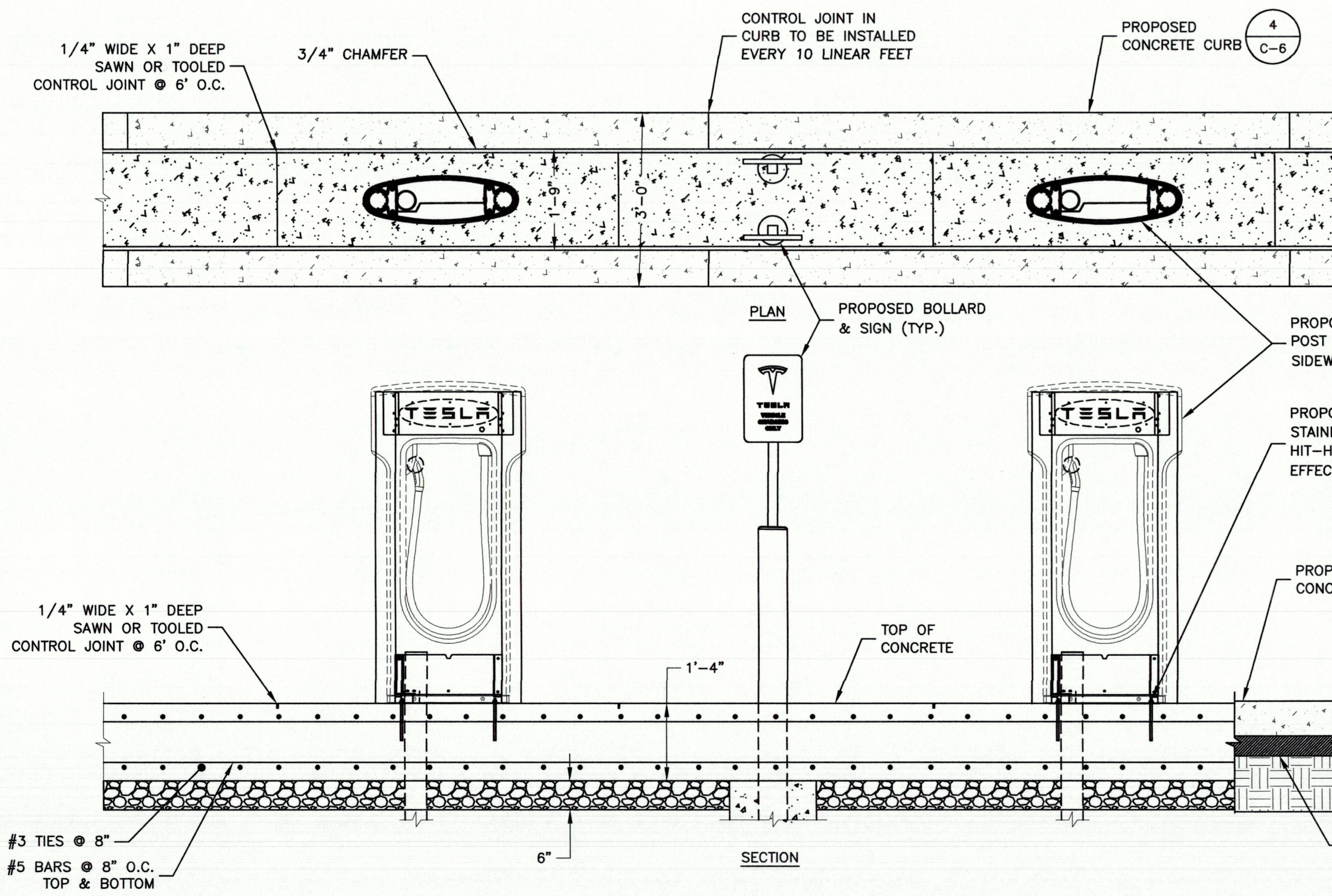
CONCRETE PAD DIMENSIONS					
PAD TYPE	CONCRETE	L	W	t (THICKNESS)	AREA
HOUSEKEEPING PAD	2500 PSI	7'-6"	5'-0"	8"	38 S.F.
SWITCHGEAR PAD	2500 PSI	7'-6"	4'-0"	8"	30 S.F.

- NOTE:
1. SEE CONCRETE NOTES ON SHEET GN-1.

CAST IN PLACE CONCRETE PAD

SCALE: N.T.S.

1B

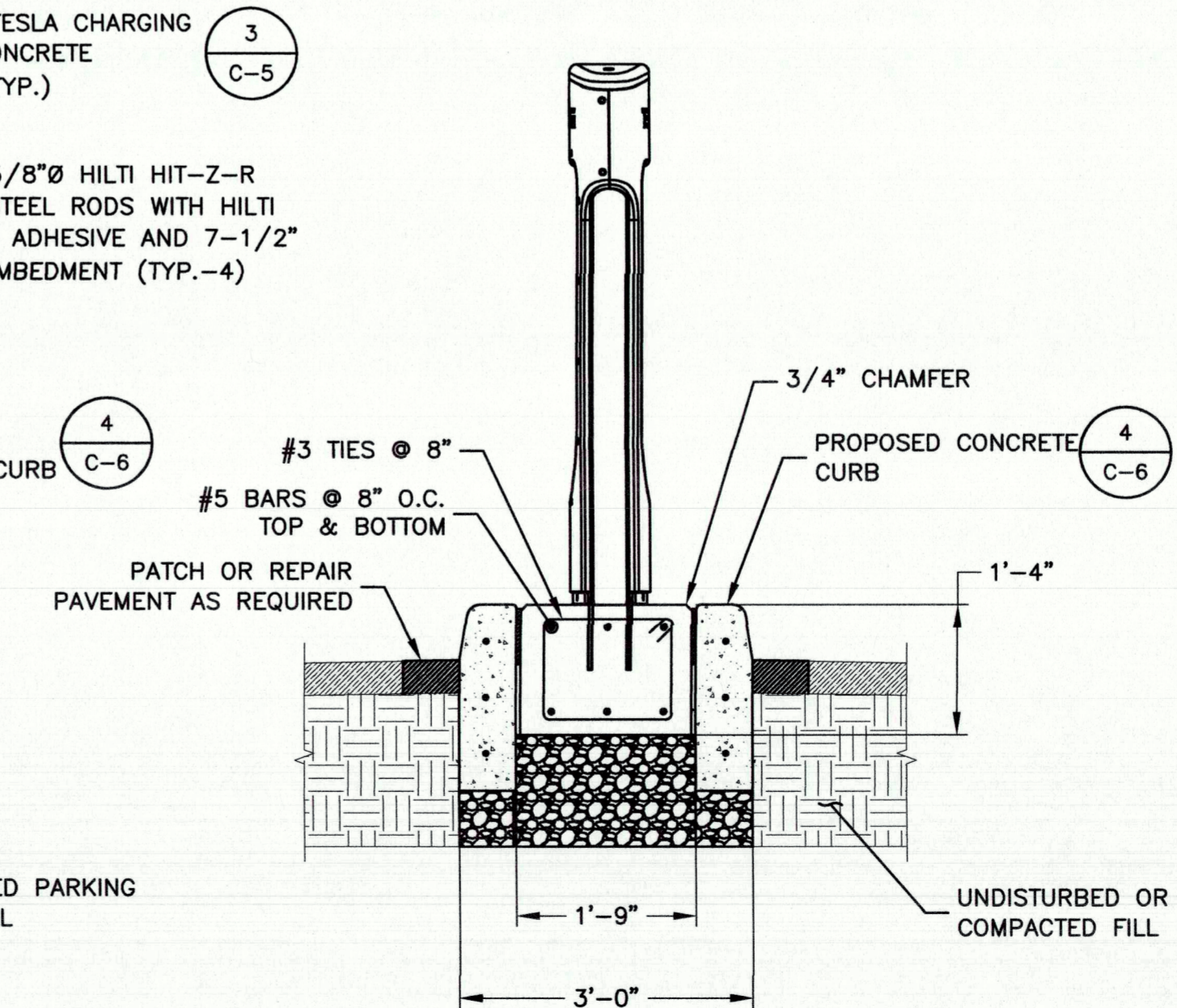


TESLA CHARGE POST & CURB DETAIL

SCALE: N.T.S.

2

- NOTES:
1. SAW CUT AREA TO BE REPAIRED/REPLACED. DISPOSE OF DEBRIS PROPERLY OFF SITE.
2. INSTALL FORMS AS NECESSARY.
3. COMPACT EXISTING SUBGRADE MATERIAL TO ACHIEVE 95% COMPACTION.
4. CONCRETE TO BE 4000 PSI AIR ENTRAINED CONCRETE.
5. INSTALL CONTROL JOINTS EVERY 10 LINEAR FEET.



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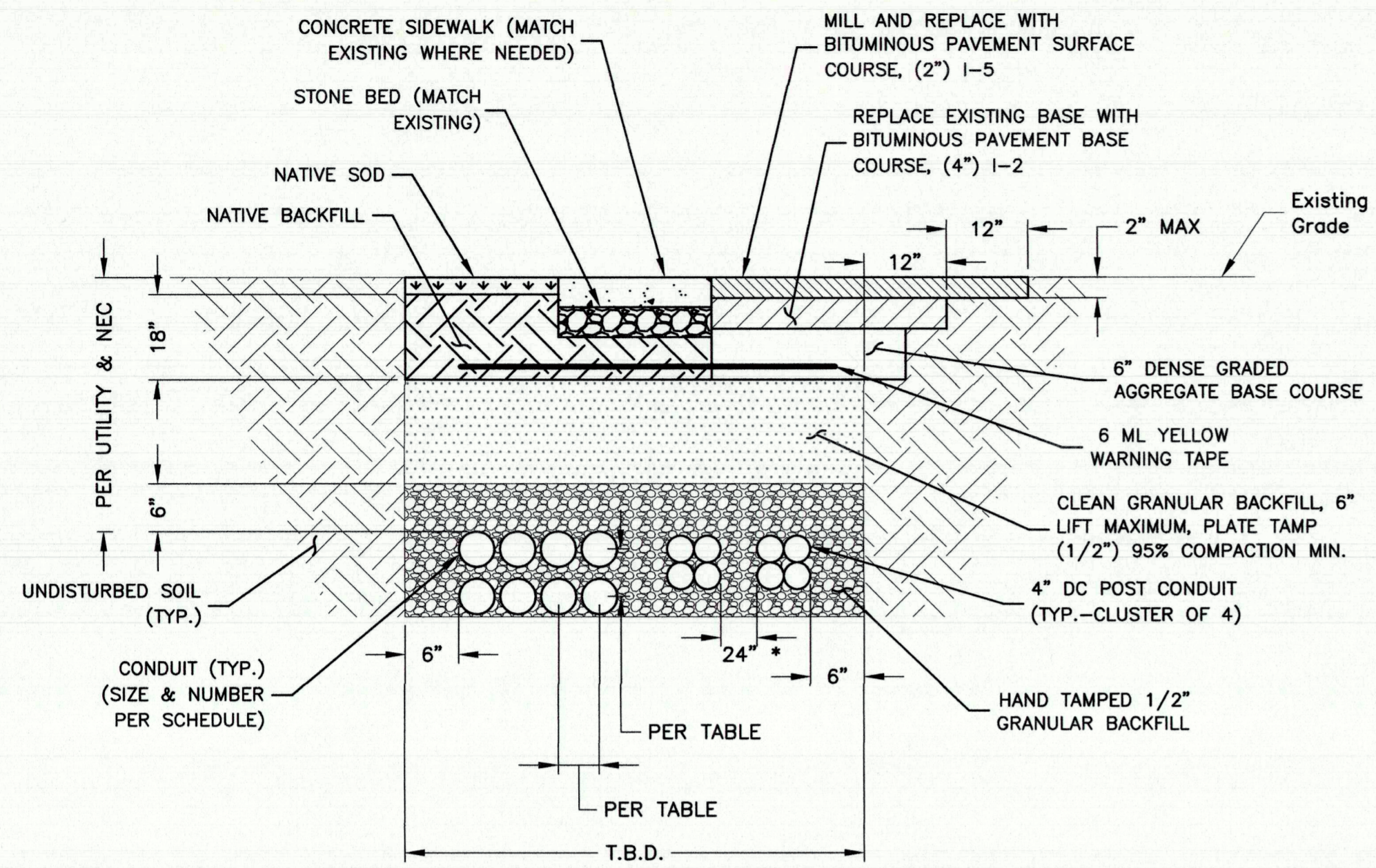
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SHEET TITLE
CONSTRUCTION
DETAILS II

SHEET NUMBER
C-5



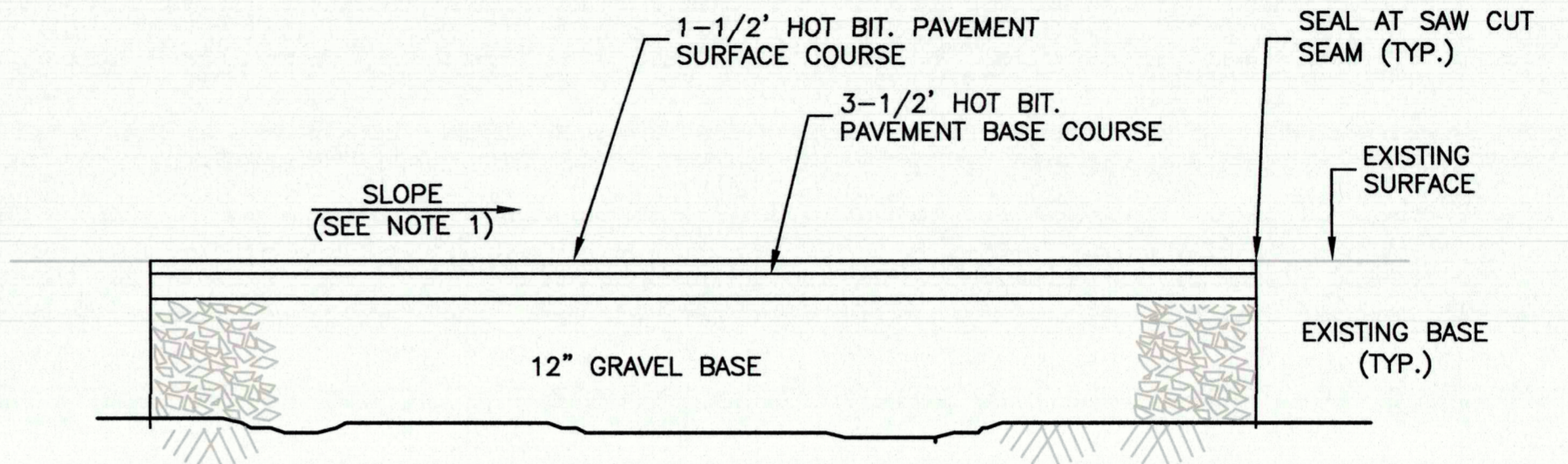
TYP. BURIED CONDUIT TRENCH DETAILS
SCALE: N.T.S.

MINIMUM CENTER TO CENTER CONDUIT SPACING

(SWITCHGEAR TO CABINETS)	7.5" O.C.
DC (BUSS)	7.5" O.C.
DC (POST) * (CLUSTER OF 4 CONDUITS)	24" EDGE TO EDGE *

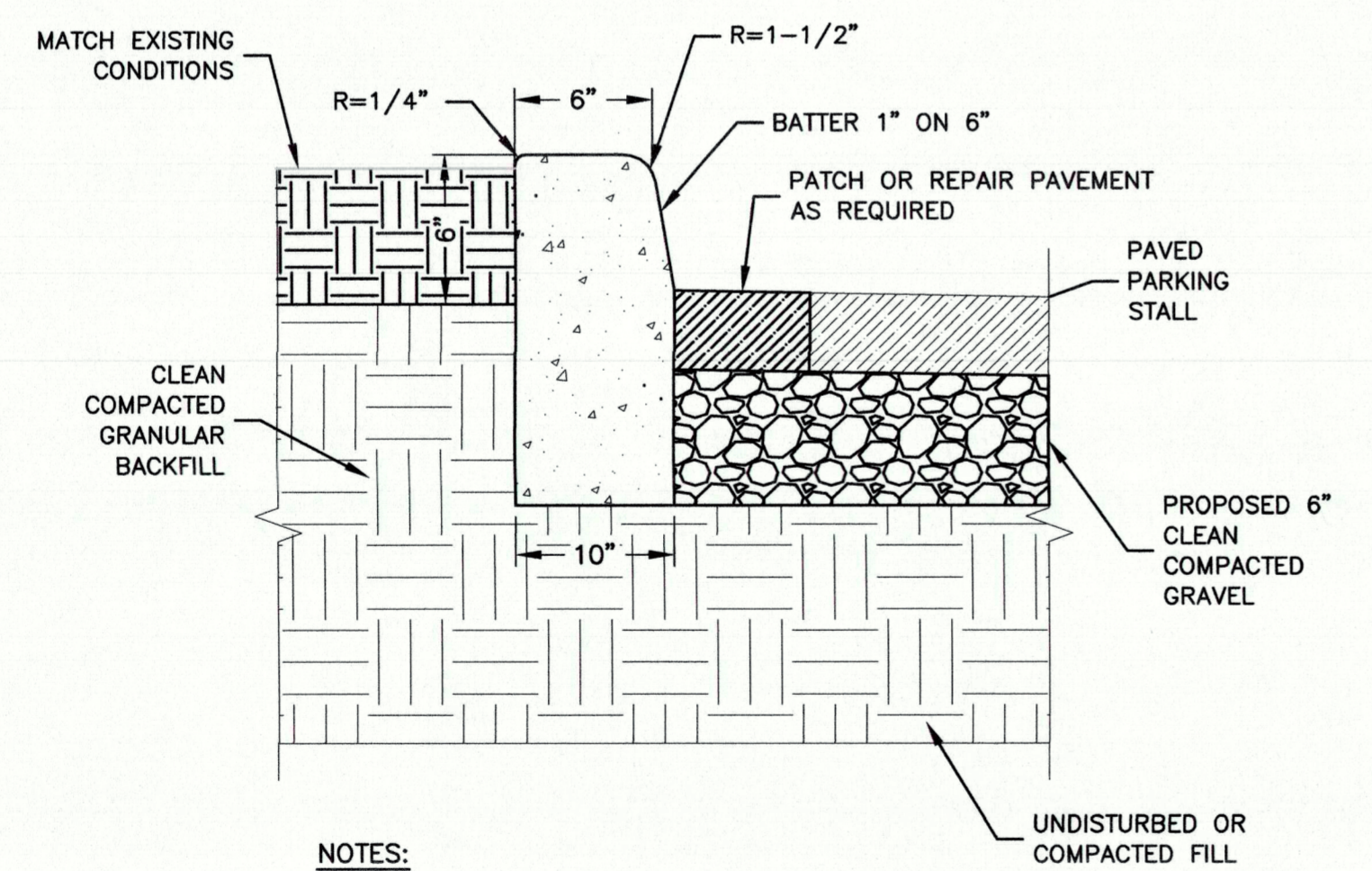
* 6" OF SEPARATION IS ALLOWED WHEN A FLUIDIZED THERMAL BACKFILL WITH A RHO OF 60 °C-cm/W OR LESS WITH A MINIMUM HEIGHT OF 12" ABOVE THE CONDUIT IS UTILIZED.

- NOTES:**
- IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL.
 - IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL. COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING.
 - CONCRETE ENCASE CONDUIT WHEN TRENCHING UNDER SITE ACCESS ROAD.
 - ANY PAVEMENT DAMAGE DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO PRE CONSTRUCTION CONDITIONS OR BETTER.
 - MAINTAIN 12" SEPARATION MIN. BETWEEN AC OR DC CONDUCTORS AND COMMUNICATION CABLES.
 - CONFIRM ALL DEPTHS W/UTILITY & NEC PRIOR TO CONSTRUCTION.



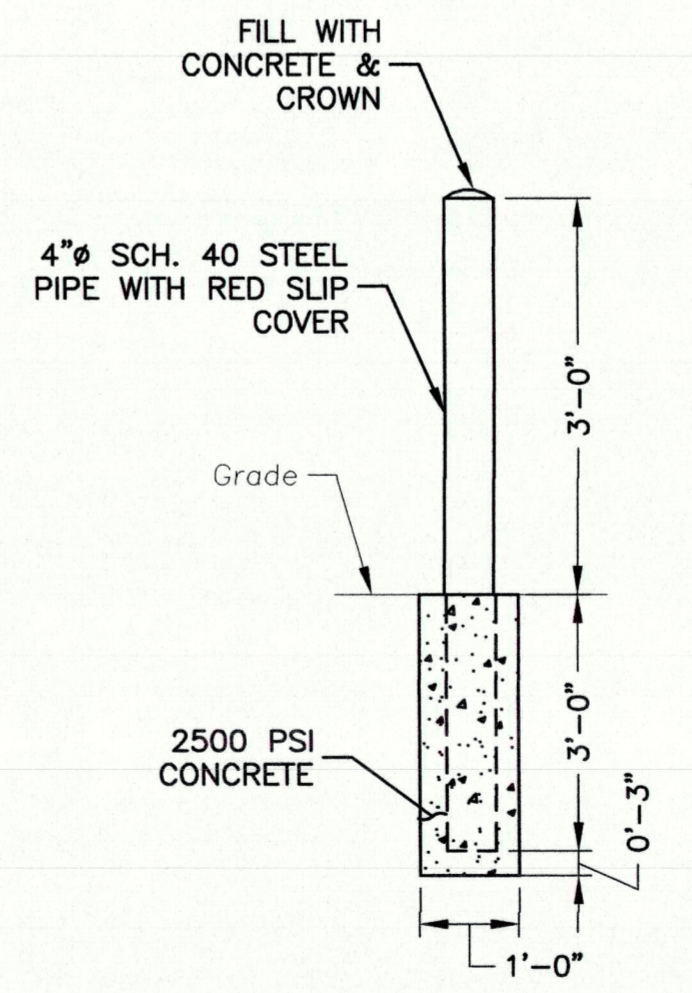
- NOTE:**
- MAINTAIN EXISTING DRAINAGE PATTERNS. SLOPE TOWARD EXISTING STORM DRAIN.

ASPHALT PAVEMENT DETAIL
SCALE: N.T.S.



- NOTES:**
- SAW CUT AREA TO BE REPAIRED/REPLACED. DISPOSE OF DEBRIS PROPERLY OFF SITE.
 - INSTALL FORMS AS NECESSARY.
 - COMPACT EXISTING SUBGRADE MATERIAL TO ACHIEVE 95% COMPACTION.
 - CONCRETE TO BE 2500 PSI AIR ENTRAINED CONCRETE.
 - INSTALL CONTROL JOINTS EVERY 10 LINEAR FEET.

CONCRETE CURB DETAIL
SCALE: N.T.S.



CONCRETE BOLLARD DETAIL
SCALE: N.T.S.

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SHEET TITLE
CONSTRUCTION
DETAILS III

SHEET NUMBER
C-6



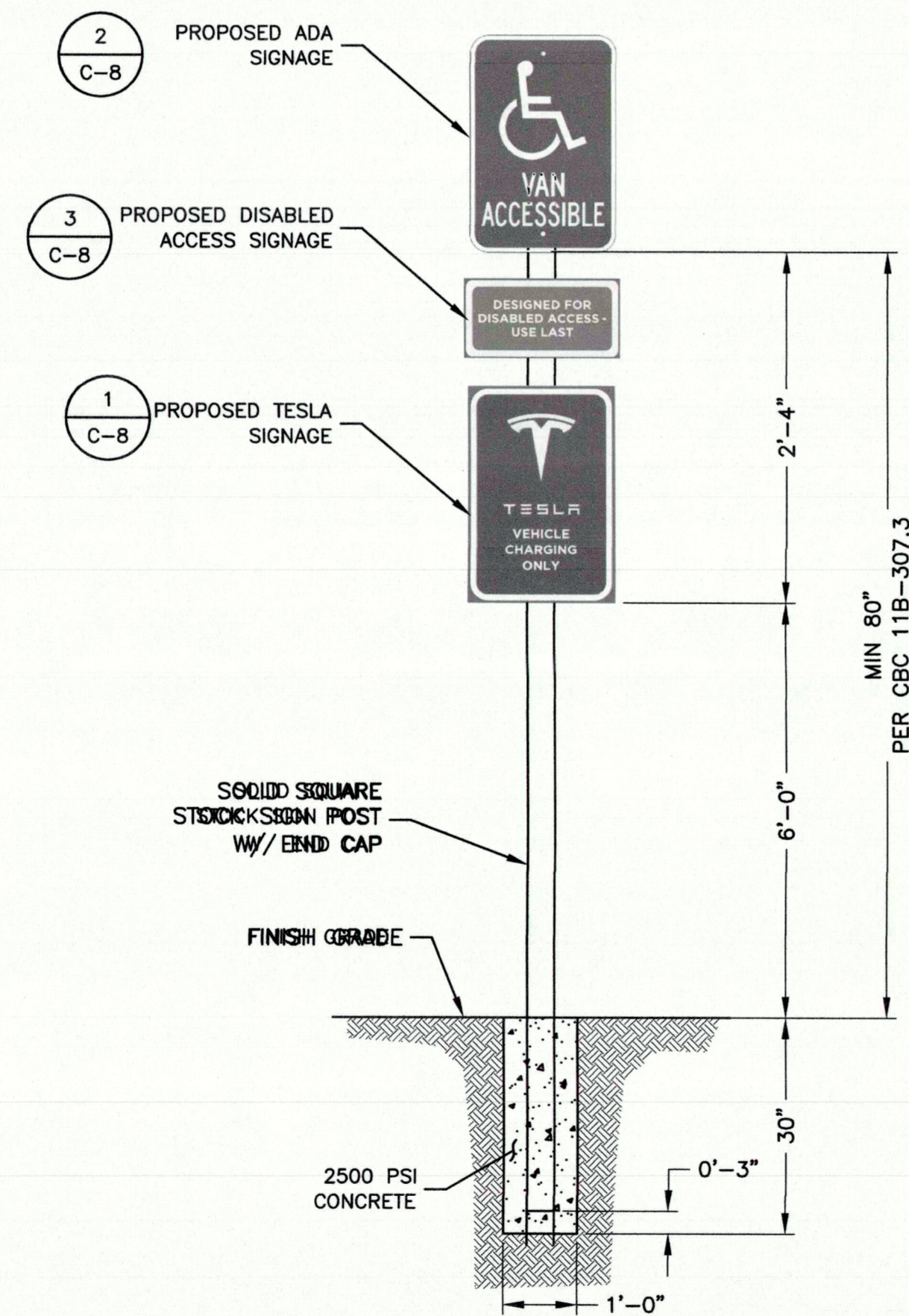
DEDICATED SIGNAGE DETAIL ①
SCALE: N.T.S.



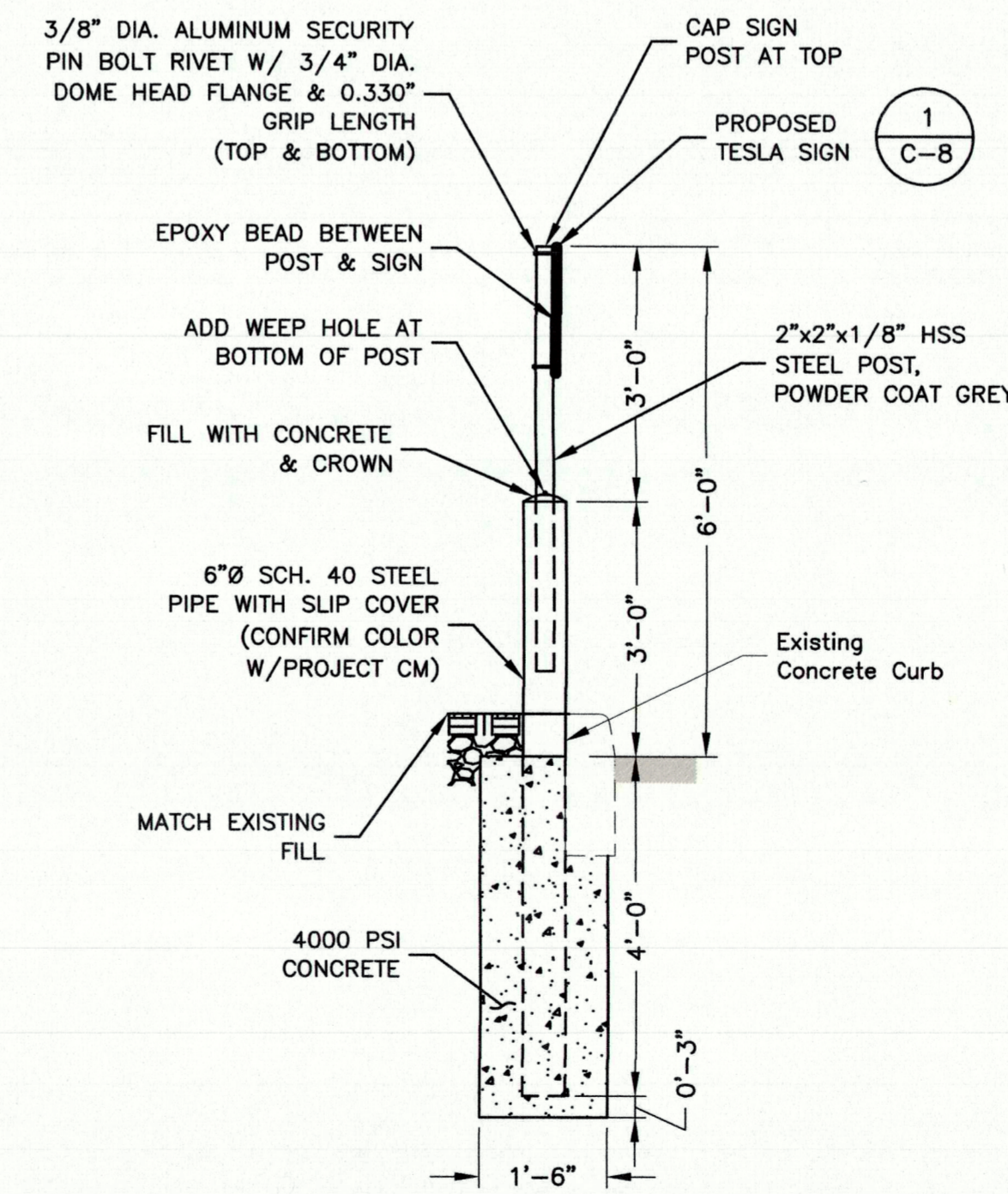
ADA-VAN
ADA SIGNAGE DETAIL ②
SCALE: N.T.S.



DISABLED ACCESS SIGN ③
SCALE: N.T.S.



TESLA PARKING SIGN DETAIL ④
SCALE: N.T.S.



CONCRETE BOLLARD & SIGN DETAIL ⑤
SCALE: N.T.S.

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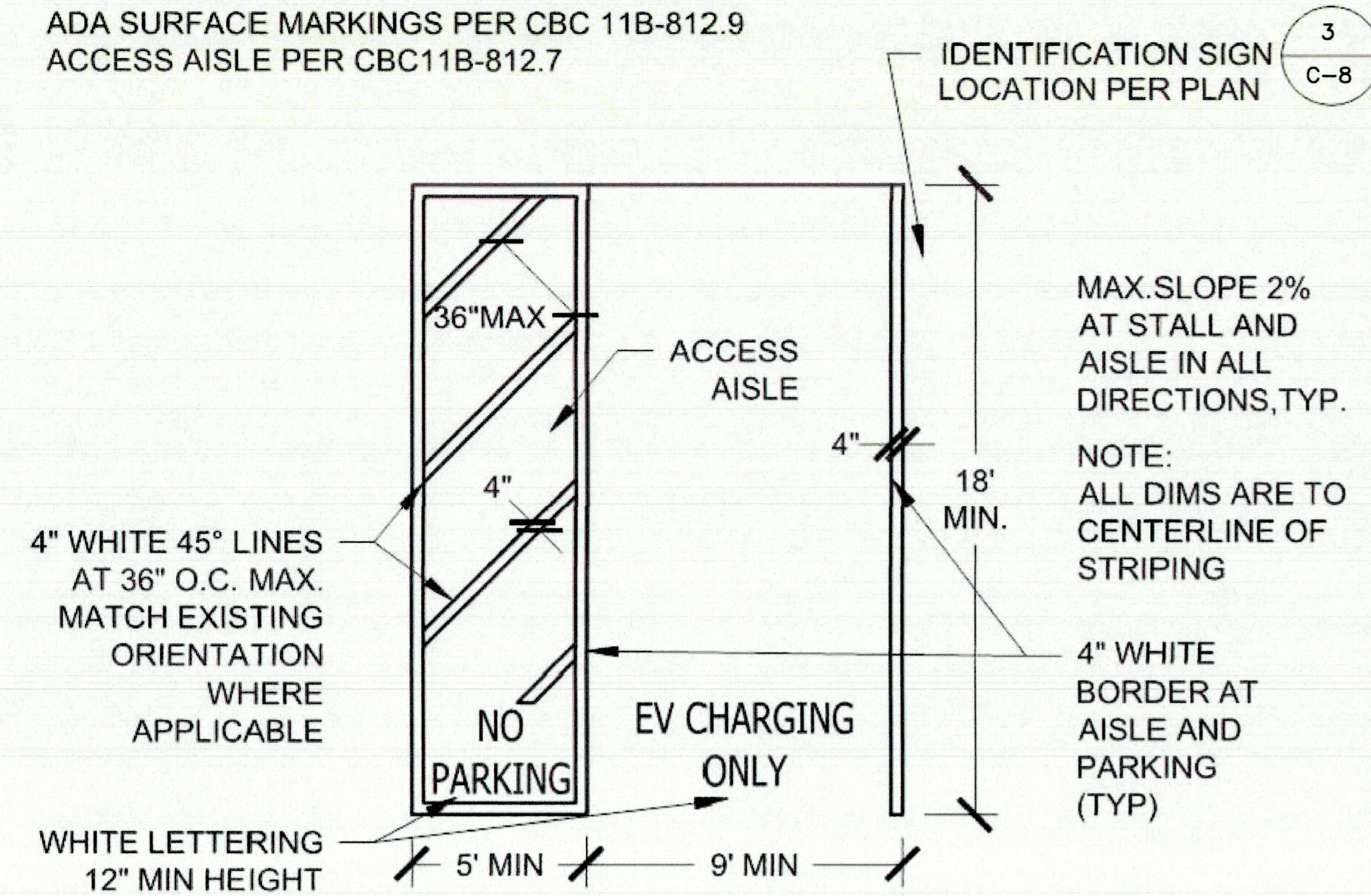
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SHEET TITLE
**CONSTRUCTION
DETAILS IV**

SHEET NUMBER
C-7

CODE COMPLIANCE:
 STALL SPECIFICATIONS PER CBC 11B-812.6.2
 ADA SURFACE MARKINGS PER CBC 11B-812.9
 ACCESS AISLE PER CBC 11B-812.7

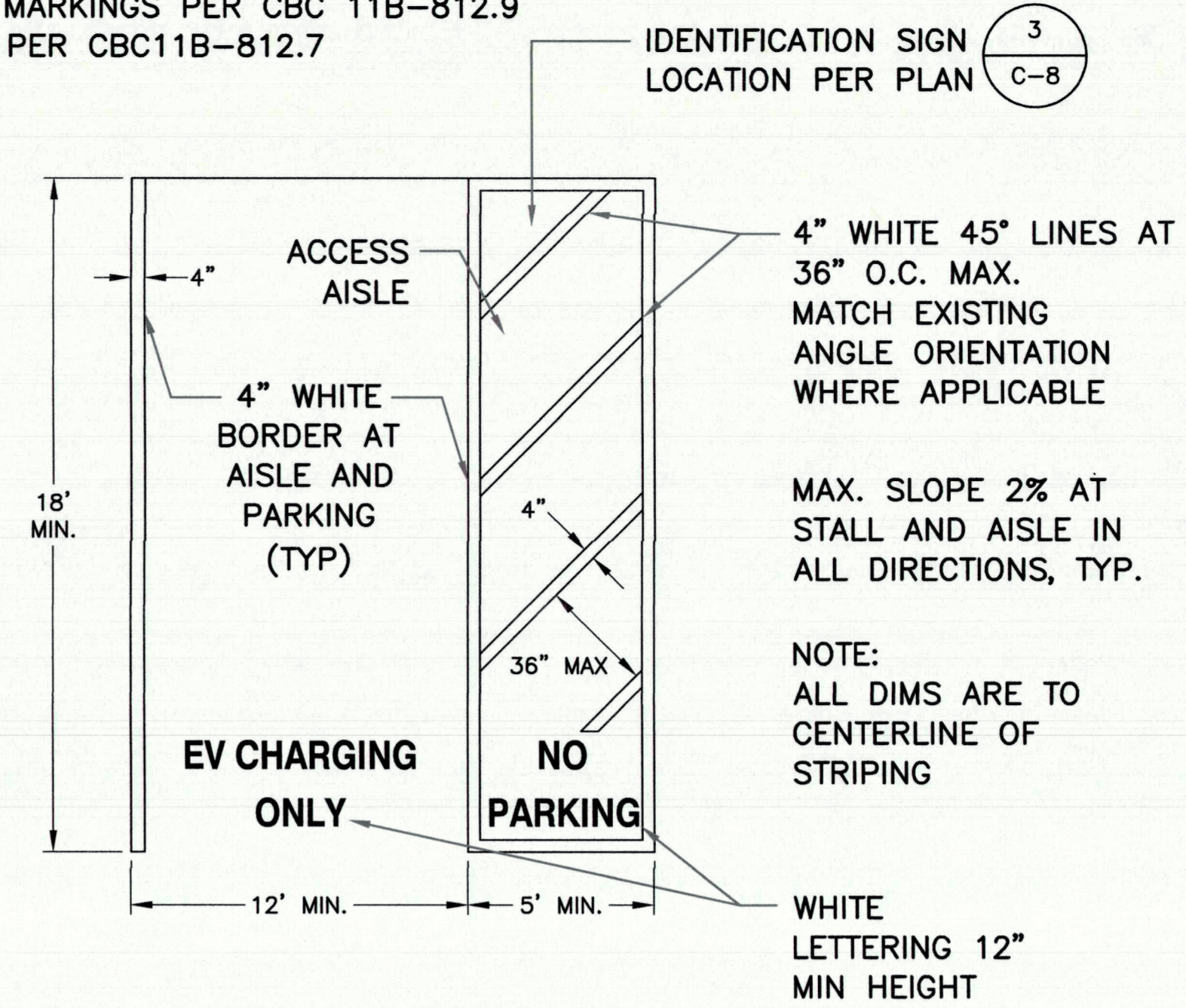


EV CHARGE STALL STRIPING - STANDARD ACCESSIBLE

SCALE: N.T.S.

1

CODE COMPLIANCE:
 STALL SPECIFICATIONS PER CBC 11B-812.6.1
 ADA SURFACE MARKINGS PER CBC 11B-812.9
 ACCESS AISLE PER CBC 11B-812.7



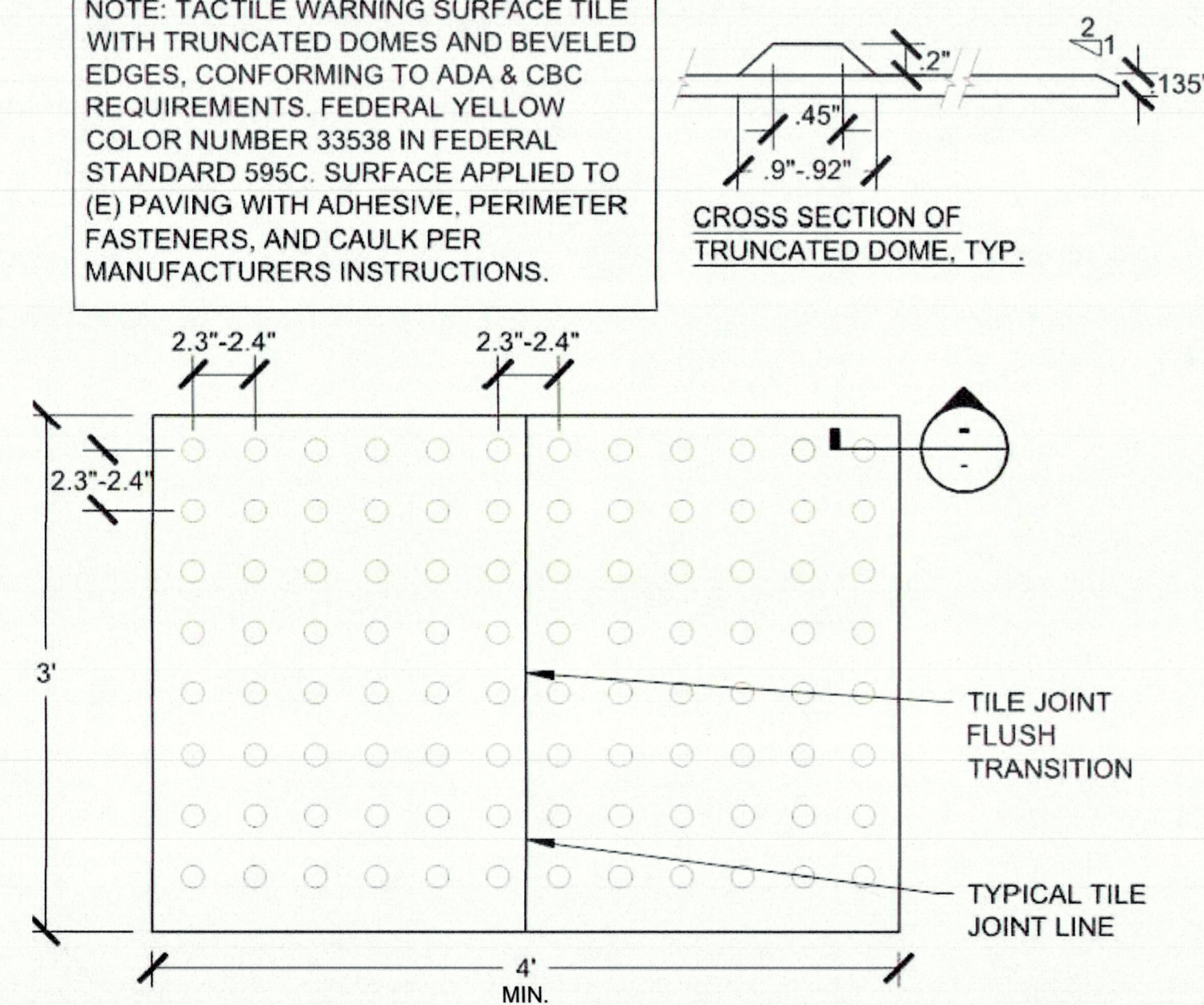
EV CHARGE STALL STRIPING - VAN ACCESSIBLE

SCALE: N.T.S.

2

CODE COMPLIANCE:
 TACTILE STRIP SPECIFICATIONS PER CBC 11B-705

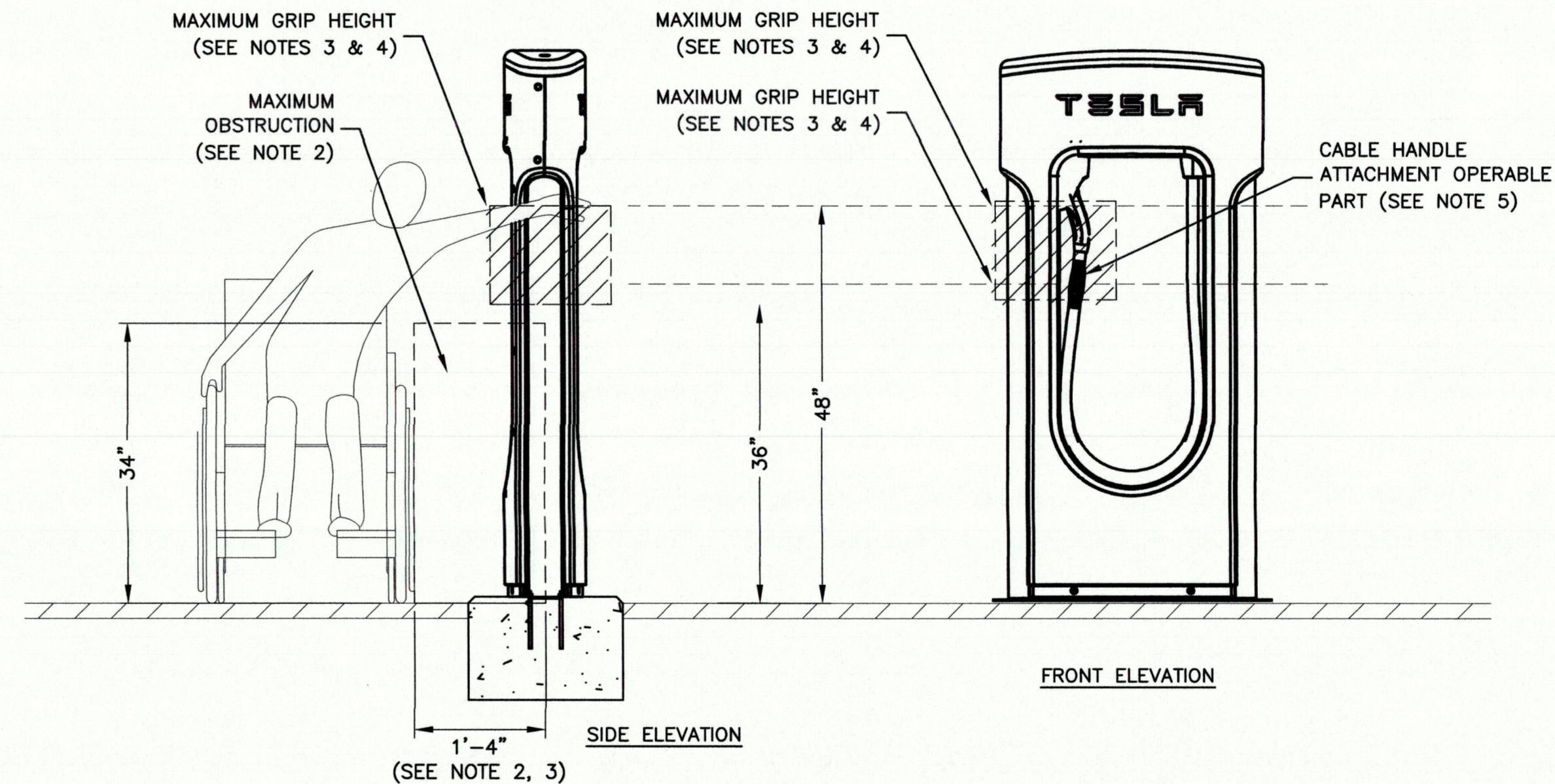
NOTE: TACTILE WARNING SURFACE TILE WITH TRUNCATED DOMES AND BEVELED EDGES, CONFORMING TO ADA & CBC REQUIREMENTS. FEDERAL YELLOW COLOR NUMBER 33538 IN FEDERAL STANDARD 595C. SURFACE APPLIED TO (E) PAVING WITH ADHESIVE, PERIMETER FASTENERS, AND CAULK PER MANUFACTURERS INSTRUCTIONS.



TACTILE STRIP

SCALE: N.T.S.

3

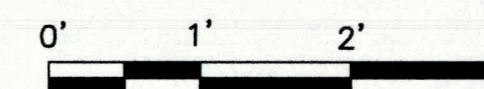


NOTES:

1. DETAIL IS IN REFERENCE TO 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. SEE SECTION 308.
2. PER FIGURE 308.3.2(B), MAXIMUM OBSTRUCTION TO BE NO LARGER THAN 24" IN WIDTH AND 34" IN HEIGHT.
3. PER FIGURE 308.3.2(B), MAXIMUM SIDE REACH SHALL BE NO LARGER THAN 24" IN WIDTH AND 46" IN HEIGHT.
4. PER FIGURE 308.3.2 EXCEPTION 2, OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54" MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS.
5. OPERABLE PART OF CABLE HANDLE COMPLIES WITH REACH RANGES PER CBC 11B-308

GRAB HEIGHT DETAIL

SCALE: 3/8"=1' FOR 11"x17"
 3/4"=1' FOR 22"x34"



4



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SHEET TITLE
 CONSTRUCTION
 DETAILS V

SHEET NUMBER
 C-8