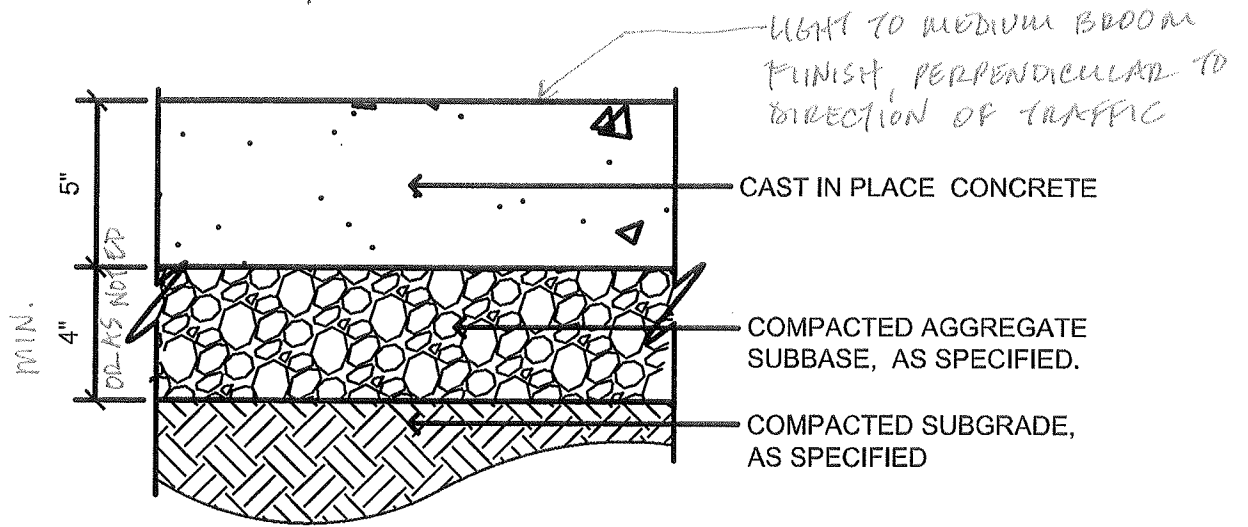
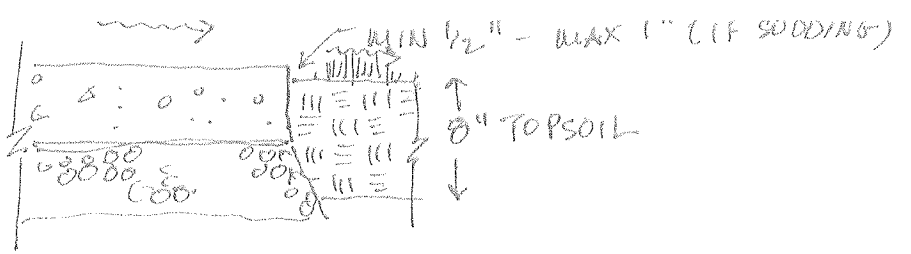
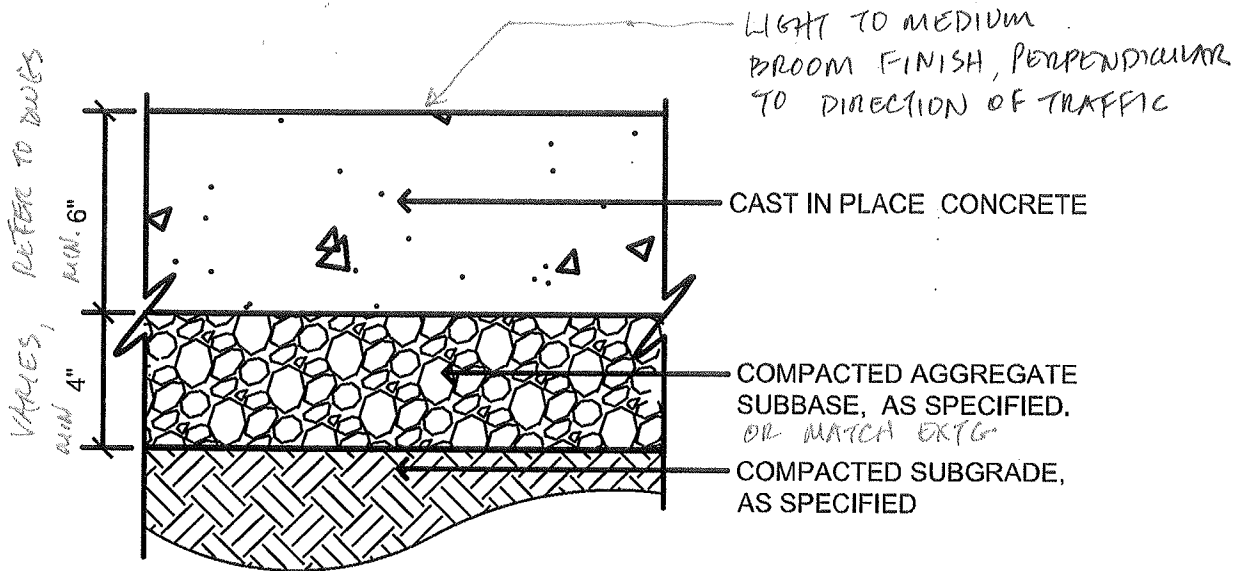


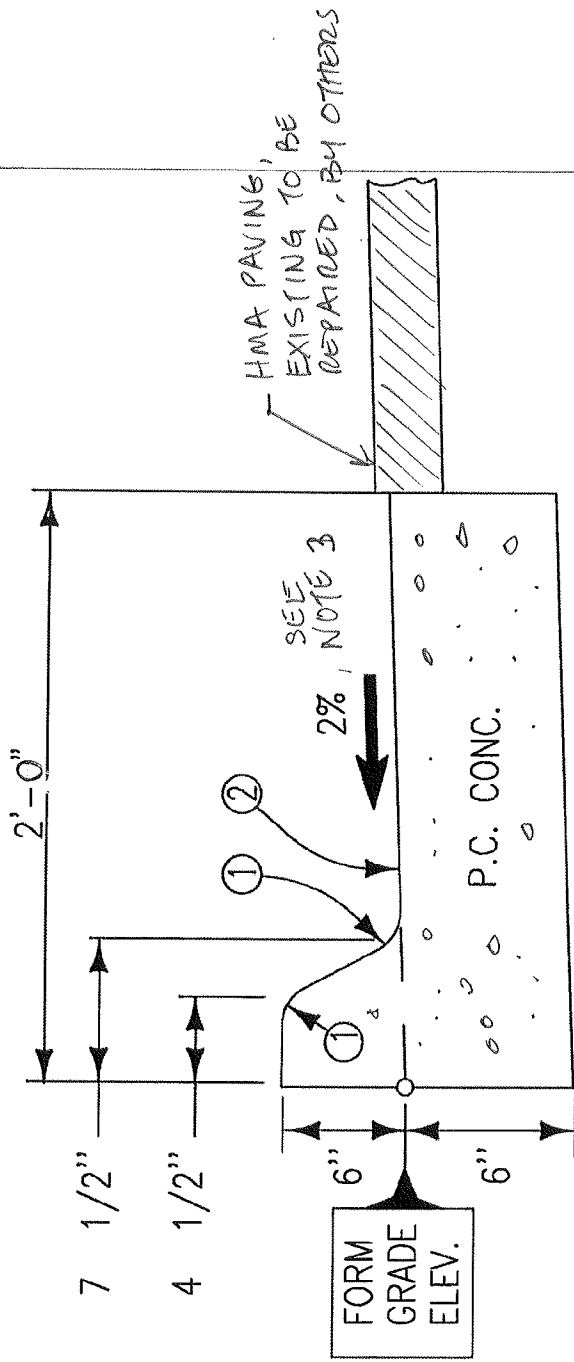
NEW



| | | |
|--|----------------------------|--------|
| | SECTION: - SIDEWALK PAVING | N.T.S. |
|--|----------------------------|--------|

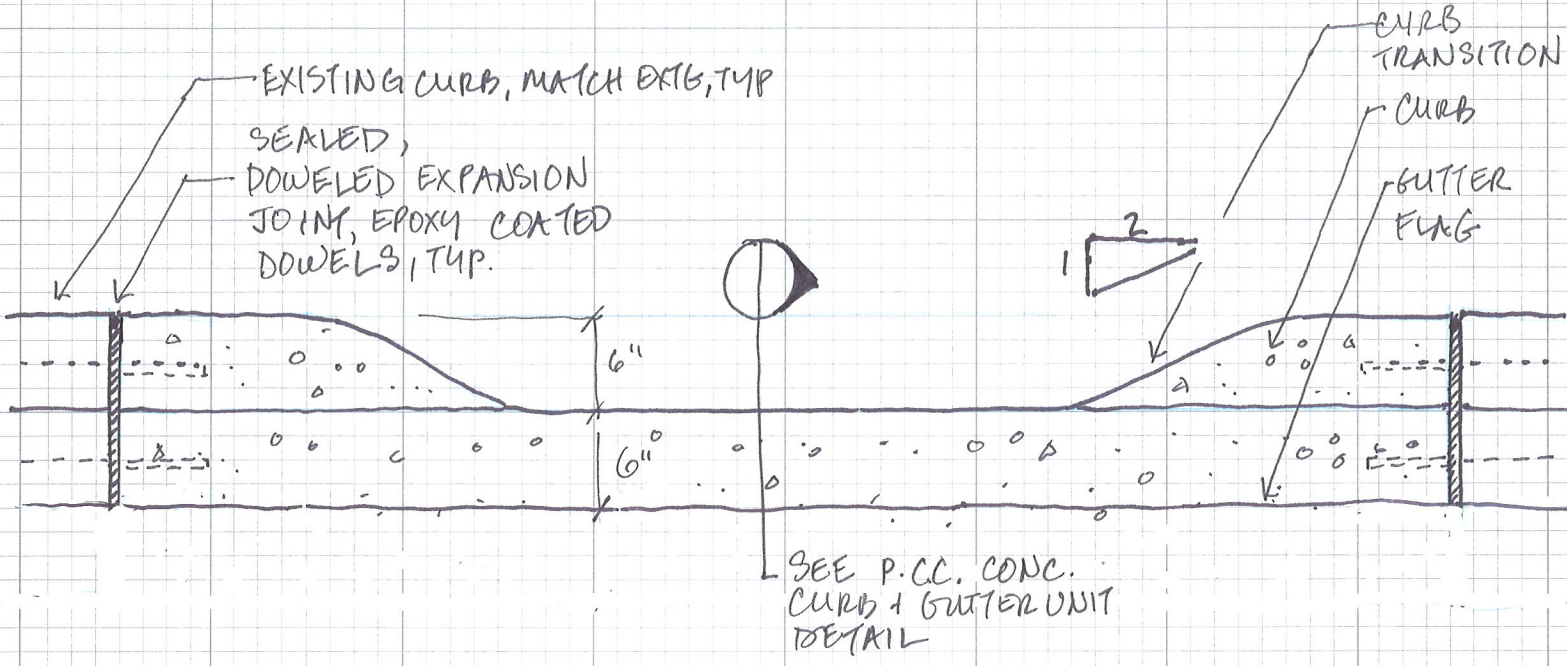


| | | |
|--|-------------------------|--------|
| | SECTION: ROADWAY PAVING | N.T.S. |
|--|-------------------------|--------|

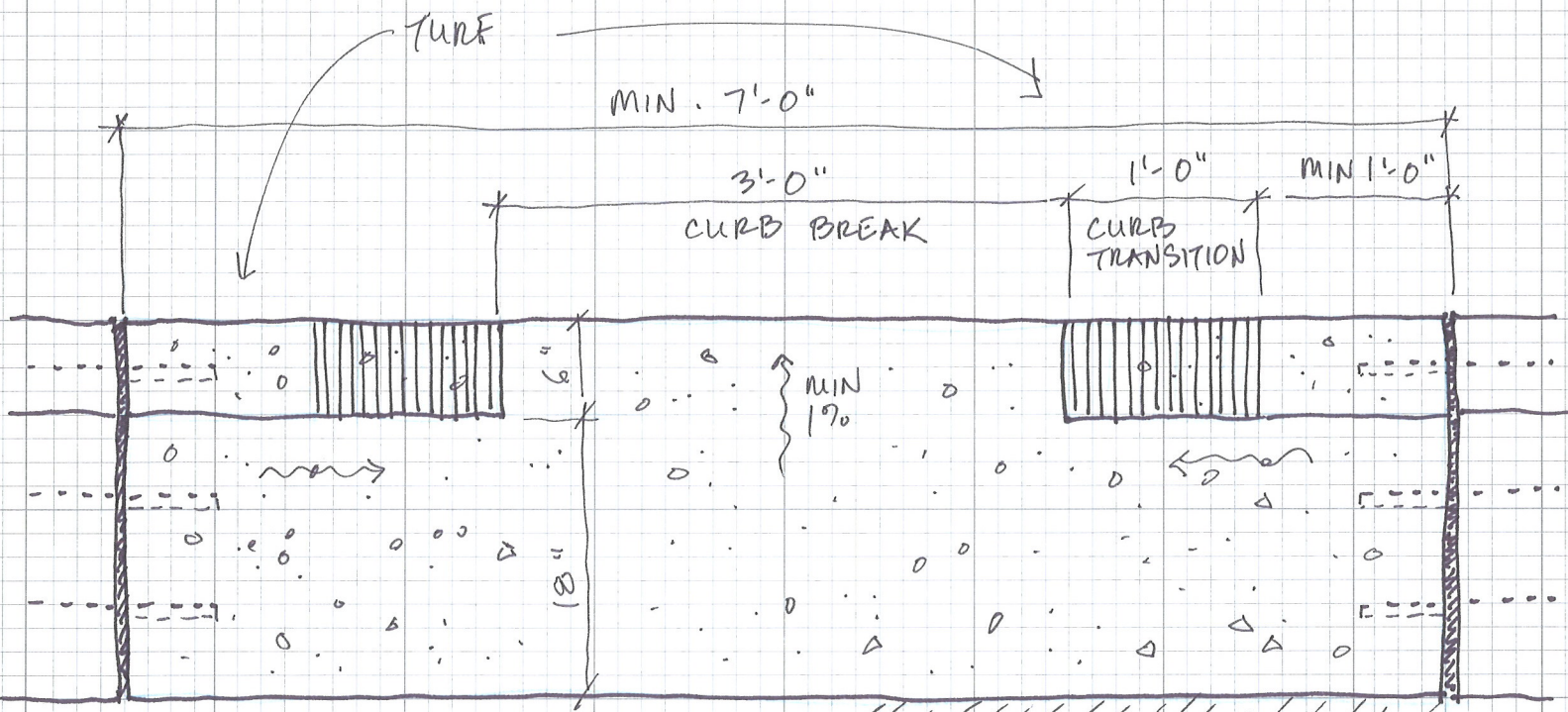


- ① 3" RADIUS
 - ② PLACE "C" JOINT AT 15' CENTERS.
 - ③ REVERSE PITCH, WHEN NOTED
- P.C. CONCRETE CURB AND GUTTER UNIT**

NOT TO SCALE _____
 g:\fppp\public\symbols\curb & gutter

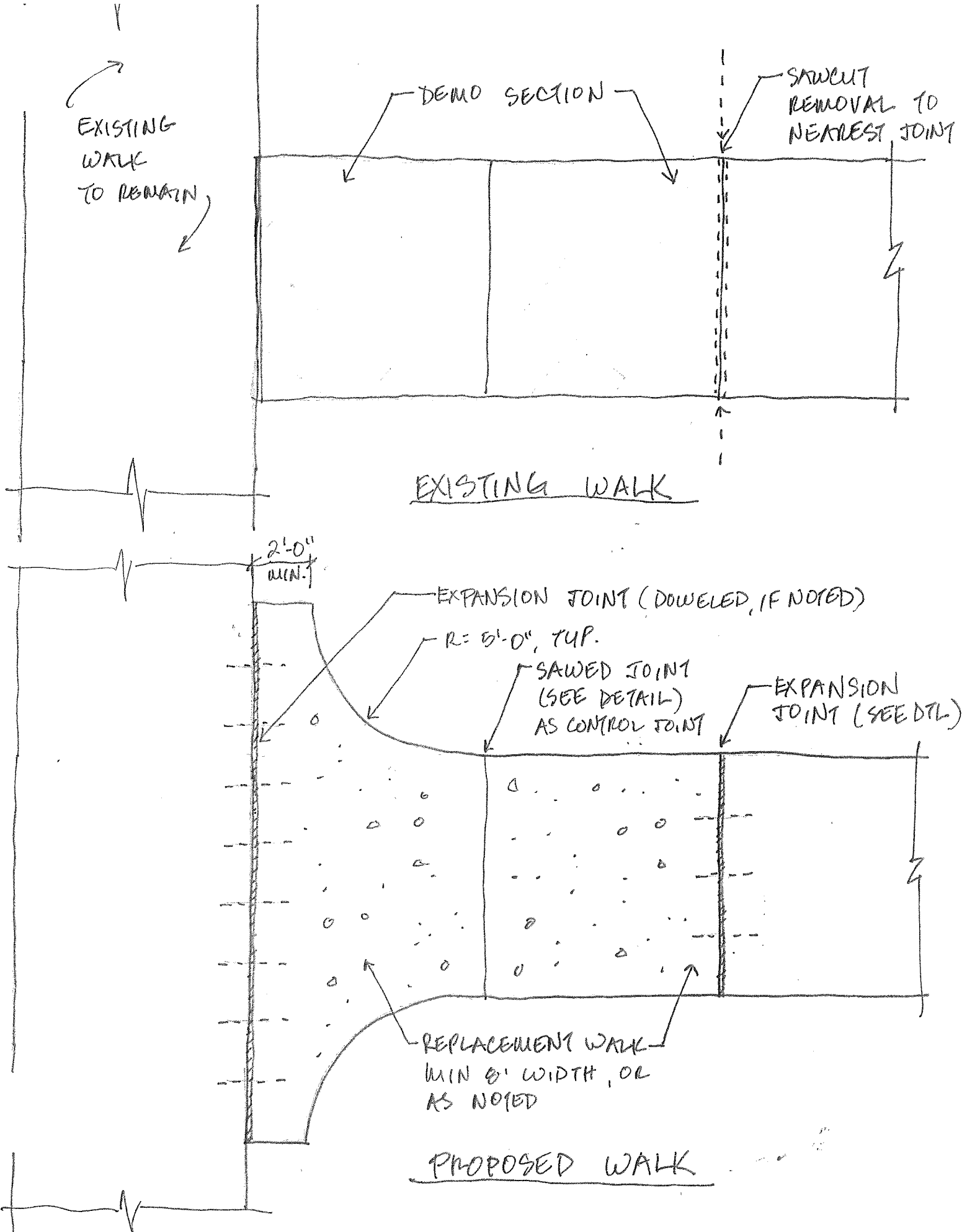


CURB BREAK - SECTION
1" = 1'-0"



CURB BREAK - PLAN
1" = 1'-0"

CURB BREAK



EXISTING WALK TO REMAIN

DEMO SECTION

SAWCUT REMOVAL TO NEAREST JOINT

EXISTING WALK

2'-0" MIN.

EXPANSION JOINT (DOWELED, IF NOTED)

R=5'-0", TYP.

SAWCED JOINT (SEE DETAIL) AS CONTROL JOINT

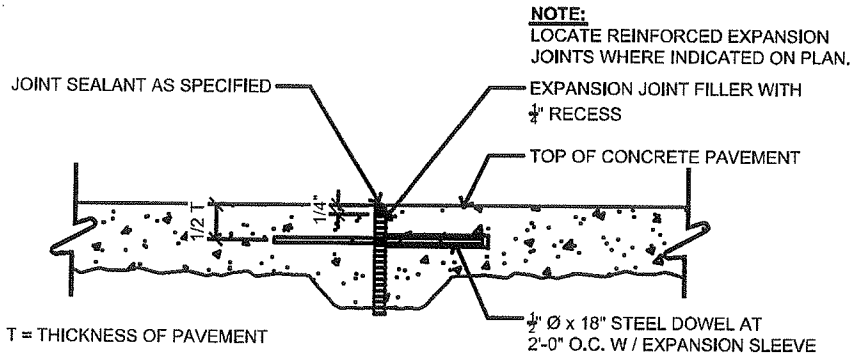
EXPANSION JOINT (SEE DTL)

REPLACEMENT WALK MIN 8' WIDTH, OR AS NOTED

PROPOSED WALK

WALKWAY INTERSECTION

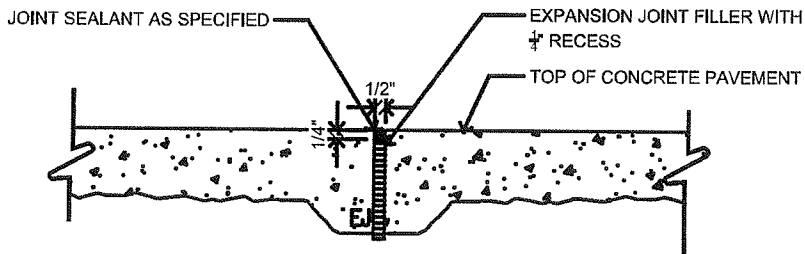
1/20/11 - 11-11-11



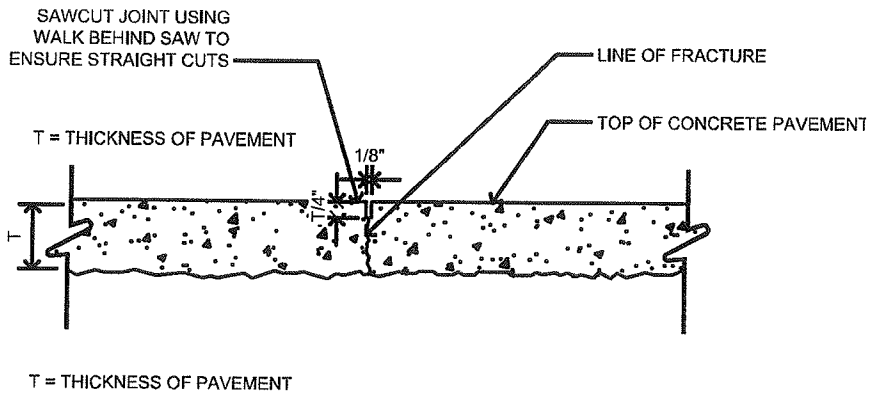
DOWELED

SECTION: REINFORCED EXPANSION JOINT, TYP. N.T.S.

NOTE:
SPACE EXPANSION JOINTS NOT TO EXCEED 35' IN CONCRETE WALKS AND WHERE INDICATED ON PLAN. JOINTS WHERE INDICATED ON PLAN.

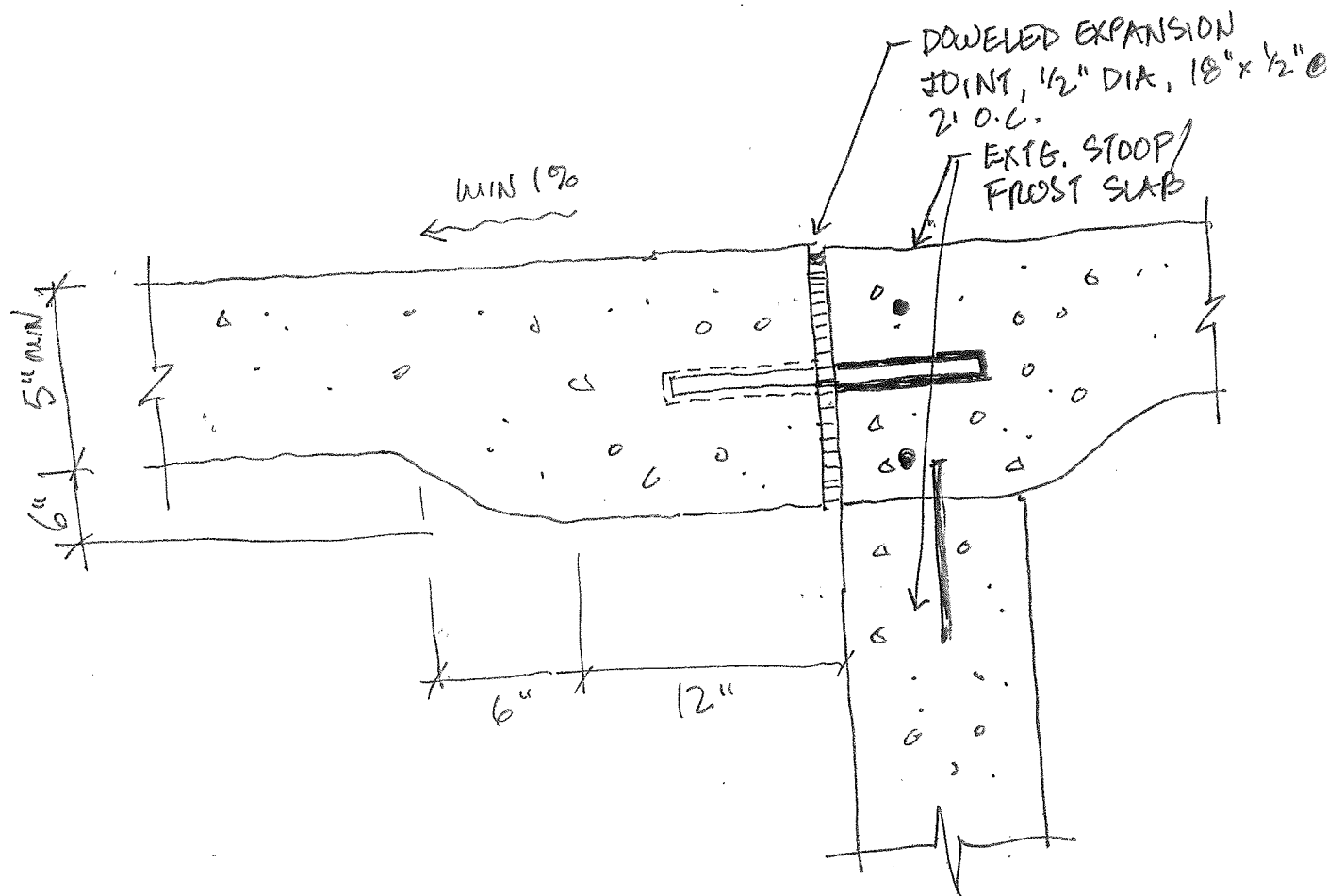


EXPANSION JOINT, TYP. N.T.S.



CONTRACTION JOINT

SECTION: SAWED CONTROL JOINT, TYP. N.T.S.

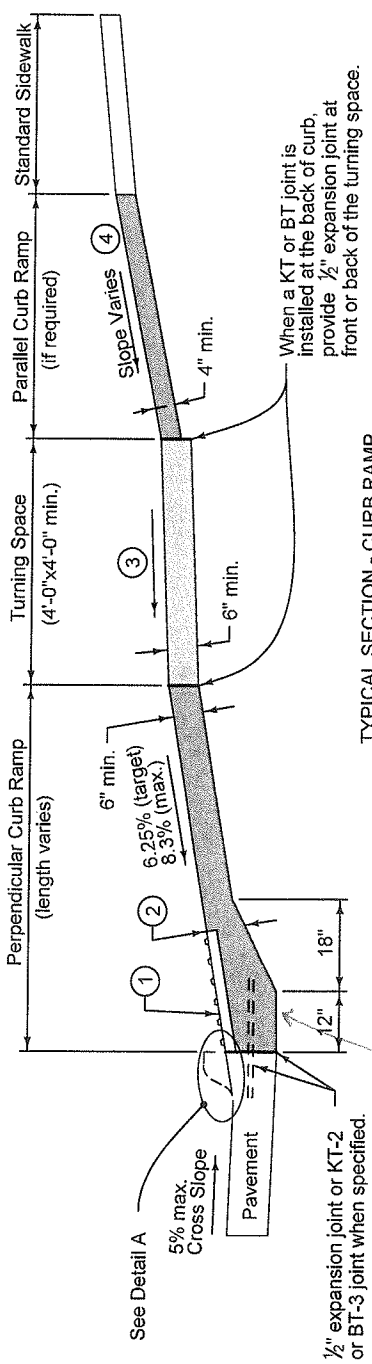


EXPANSION JOINT:
WALK TO FROST SLAB
 N.T.S.

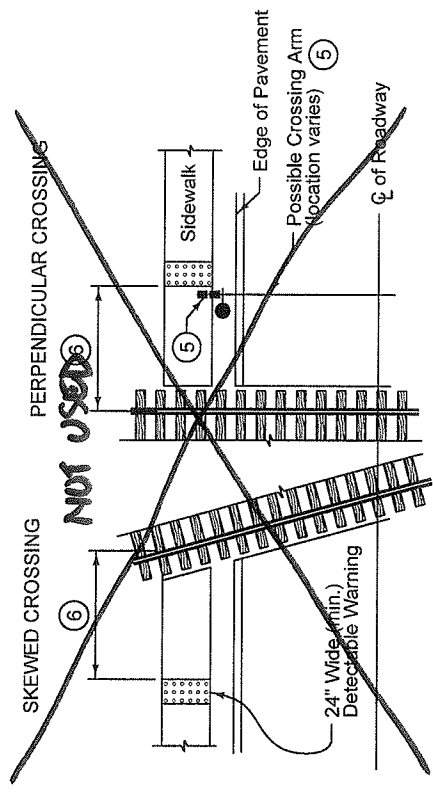
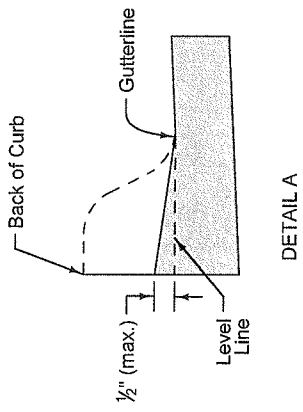
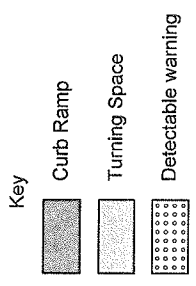
- ① Provide a minimum 2 foot width of detectable warning surfaces in the direction of pedestrian travel across the full width of the curb ramp or turning space, exclusive of curbs or flares.
- ② Provide a minimum of 6 inches of concrete below the detectable warning panel.
- ③ Minimum 4 feet by 4 feet. Target cross slope of 1.5% with a maximum cross slope of 2.0%.
- ④ If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.

The length of the parallel ramp is not required to exceed 15 feet, regardless of the resulting slope. Do not exceed 8.3% slope for parallel ramps shorter than 15 feet.

- ⑤ If crossing gate conflicts with location of detectable warning or if pedestrian crossing gate is provided, place detectable warning panel in advance of the crossing gate.
- ⑥ Locate front edge of detectable warning panel 12 to 15 feet from centerline of nearest rail. Orient truncated domes parallel to the direction of pedestrian travel.



TYPICAL SECTION - CURB RAMP



DETECTABLE WARNING LOCATION AT RAILROAD CROSSING

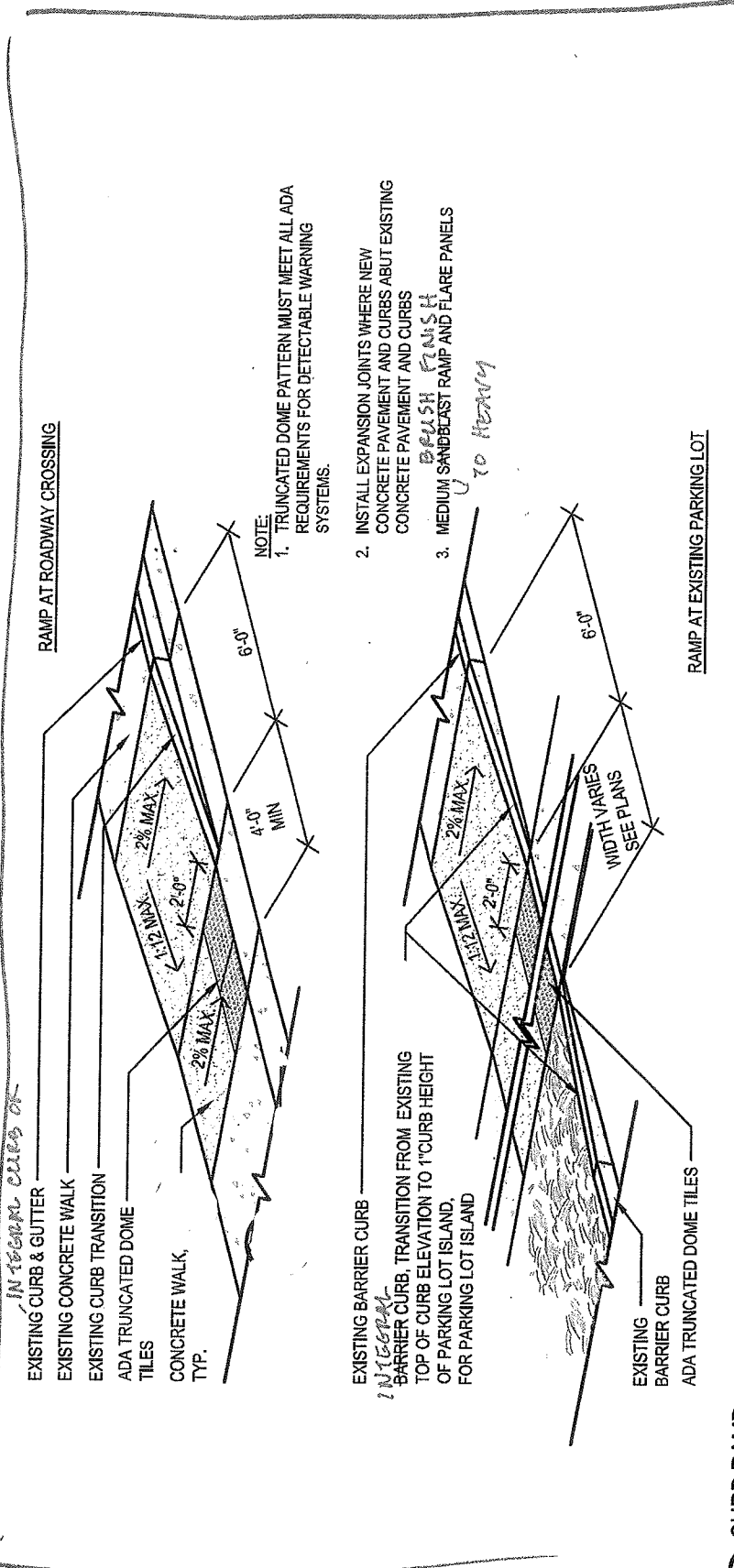
REVISION
1 10-20-15
SUDAS 7030.205
SHEET 1 of 1

SUDAS Standard Specifications

GENERAL SIDEWALK AND CURB RAMP DETAILS

SIGNED AND SEALED BY AN INDIANA LICENSED STRUCTURAL ENGINEER.

4. ALL MEMBER SIZING AND SPANS SHALL BE DESIGNED BY STRUCTURAL ENGINEER



- NOTE:
1. TRUNCATED DOME PATTERN MUST MEET ALL ADA REQUIREMENTS FOR DETECTABLE WARNING SYSTEMS.
 2. INSTALL EXPANSION JOINTS WHERE NEW CONCRETE PAVEMENT AND CURBS ABUT EXISTING CONCRETE PAVEMENT AND CURBS
BUSH FLANKS H
 3. MEDIUM SANDCAST RAMP AND FLARE PANELS
U to Heavy

11 CURB RAMP

SCALE: 1" = 1'-0"

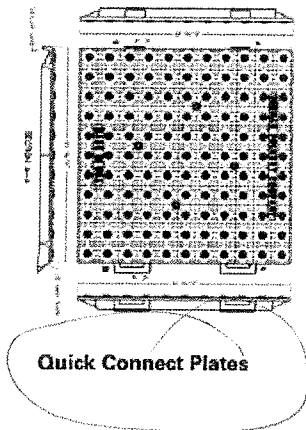
DETECTABLE WARNING PLATES: PRODUCTS

Our cast iron detectable warning plates are the most rugged, easy-to-install DWPs available on the market today. Our one-of-a-kind detectable warning plates feature a unique boltless locking design that makes proper installation a snap. And because they're made from iron, Neenah Foundry DWPs wear like iron — standing up to decades of abuse from snowplows, foot traffic and Mother Nature.

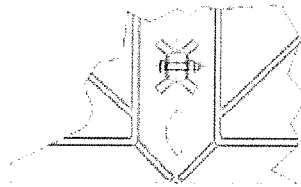
Detectable Warning Plates

Detectable Warning Plates

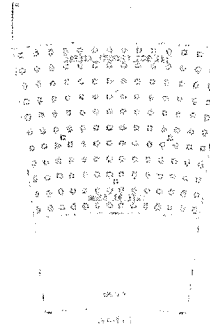
Regulatory-compliant cast iron Detectable Warning Plates from Neenah Foundry offer appealing aesthetics, exceptional longevity and freedom from maintenance. By using Neenah's Detectable Warning Plates, specifiers can be confident that the critical warning message will be delivered for the lifetime of the installation.



Quick Connect Plates



Bolted Plates



Radius Plates

Quick Connect Plates

| Depth x Width | | Catalog No. |
|---------------|----------------------|-------------|
| 24" x 24" | RAW STEEL, UNPAINTED | 4984-24Q |
| 24" x 30" | | 4984-30Q |
| 24" x 36" | | 4984-36Q |

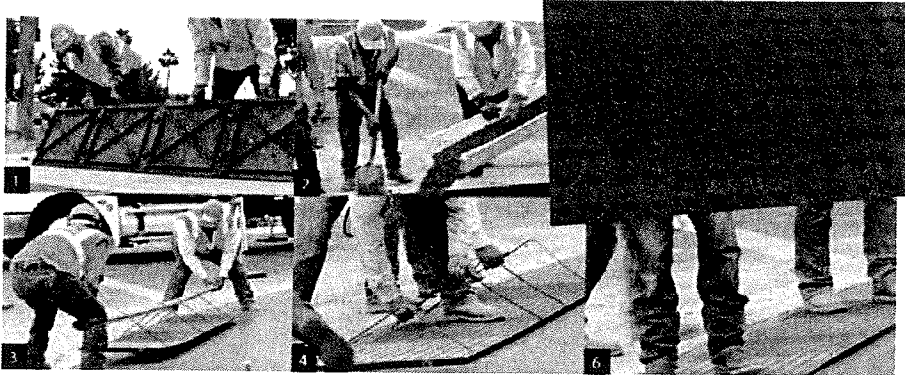
Bolted Plates

| Depth x Width | Catalog No. |
|---------------|-------------|
| 24" x 24" | 4984-24B |

LINK EMBEDDED IN
TECH SPEC

DETECTABLE WARNING PLATES: INSTALLATION

Installing Neenah Foundry Detectable Warning Plates is quick and easy. In just a few minutes, you can install the plates in any number of configurations.



Installation Steps

1. If necessary, connect multiple plates together.
2. Pour concrete.
3. Use supplied lifting springs and a construction 2x4 or pipe to lift plates into position.
4. Set plates in wet concrete at final position.
5. Remove lifting springs.
6. Press assembly into wet concrete to final elevation.
7. Finish concrete around assembly
8. Remove any wet concrete that may have spilled on to the plate surface.

Neenah Foundry Detectable Warning Plates are the most durable and effective product of their kind. They wear like iron because they are iron. When you specify detectable warning plates for your community, we encourage you to consider the following:

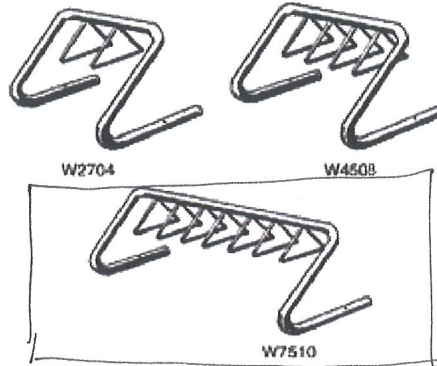
Suggested Specifications

General

The proven solution to bike parking

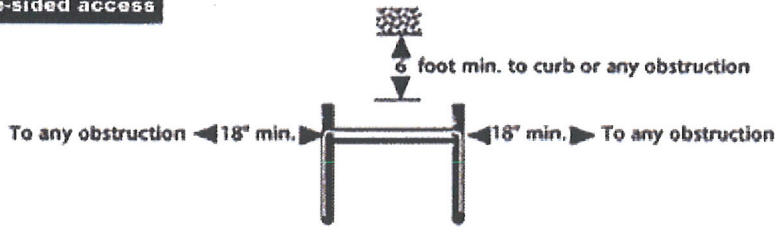
Installation Guide

CORA EXPO® 'W' SERIES

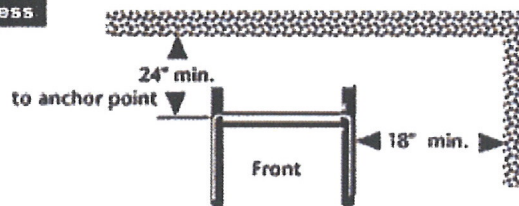


Configurations

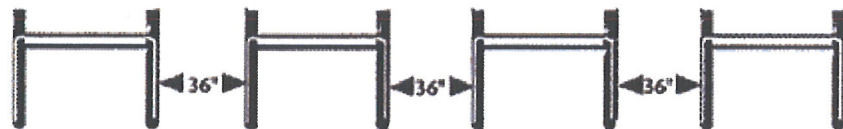
Double-sided access



Single sided access



Clusters In line



Parallel

