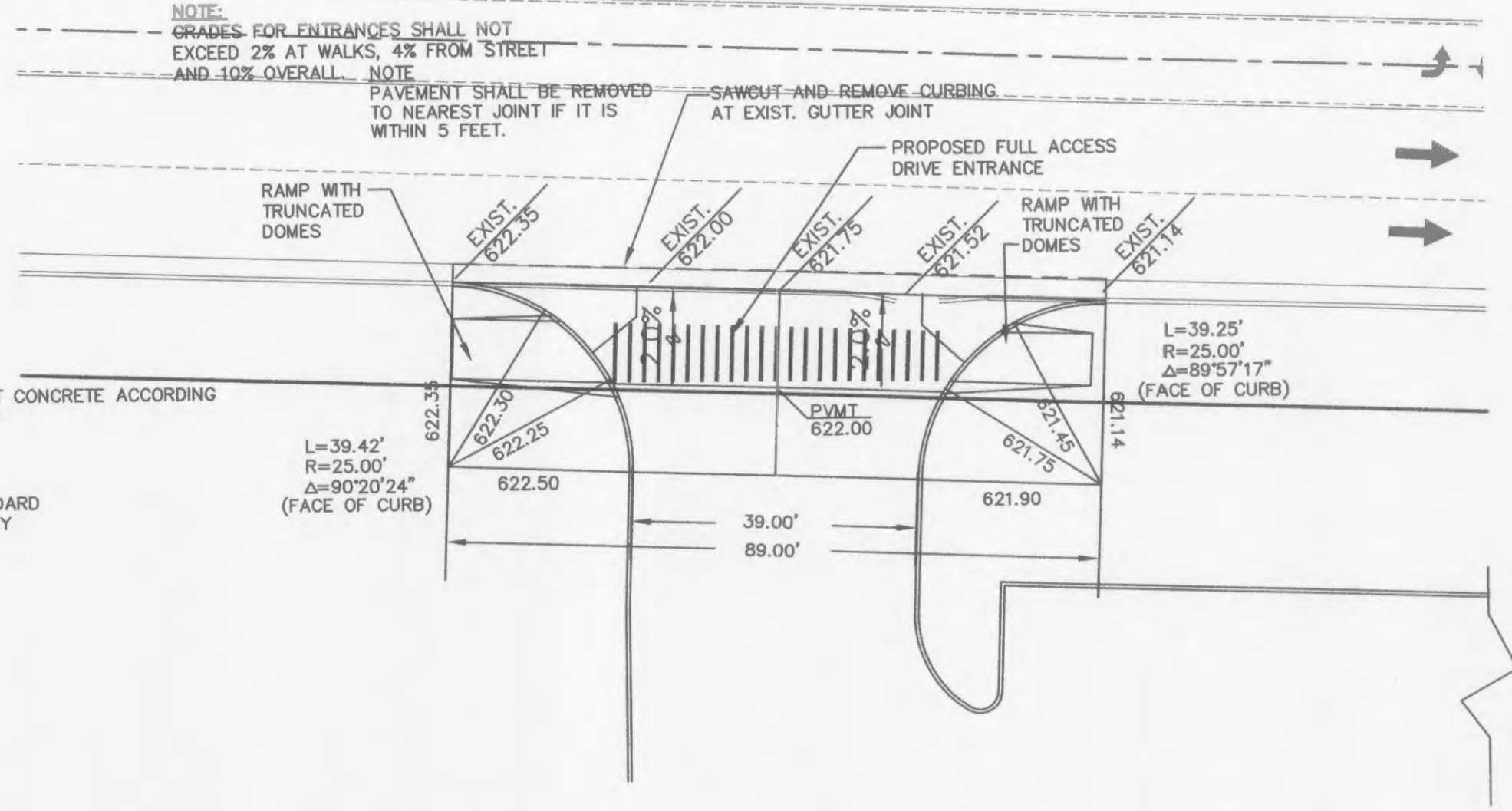


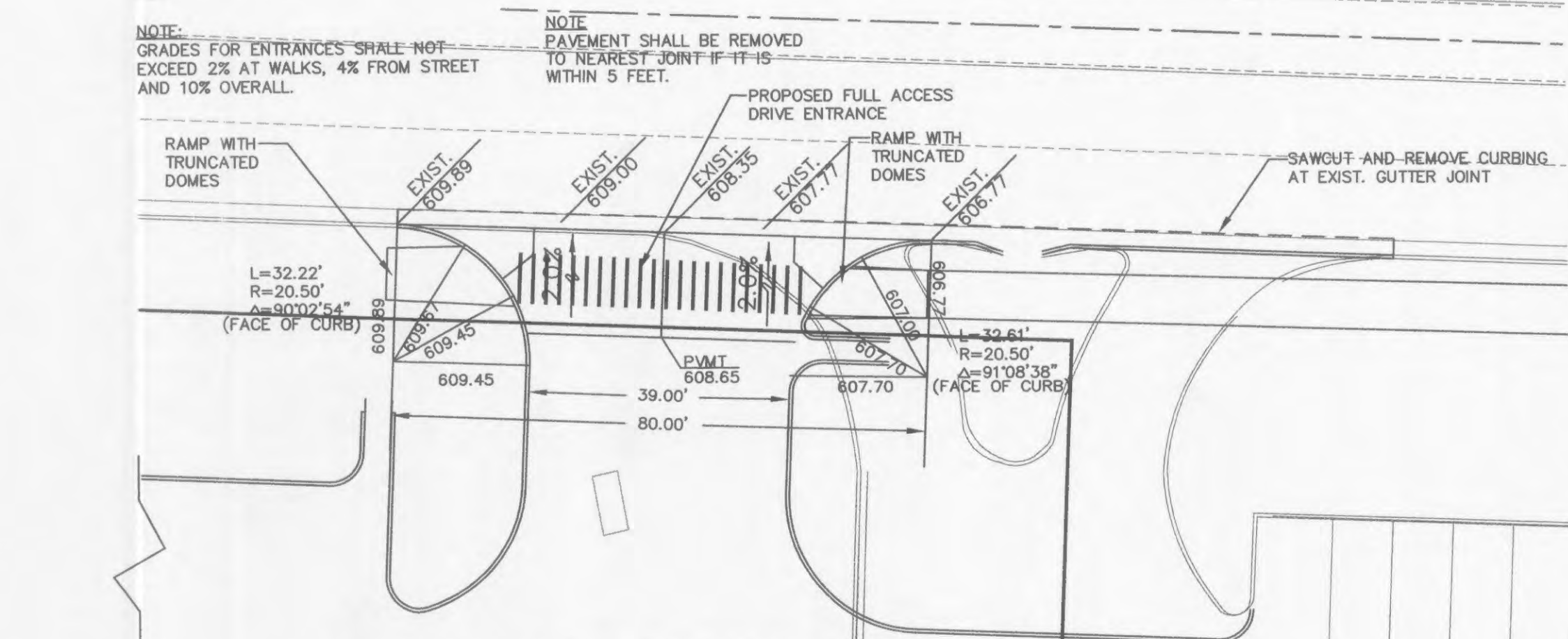
PAVEMENT SECTIONS REFERENCED IN THESE PLANS HAVE NOT BEEN DESIGNED BY CEDC, INC. FOR THIS PROJECT. THEY REPRESENT PAVEMENT SECTIONS USED ON SIMILAR PROJECTS. HOWEVER, EACH PROJECT IS UNIQUE AND REQUIRES ITS OWN ANALYSIS BY A GEOTECHNICAL ENGINEER. THEREFORE, CEDC, INC. RECOMMENDS A GEOTECHNICAL ENGINEER DESIGN THE PROPOSED PAVEMENT SECTIONS FOR THIS PROJECT.

# BRYAN (VARIABLE WIDTH) ROAD

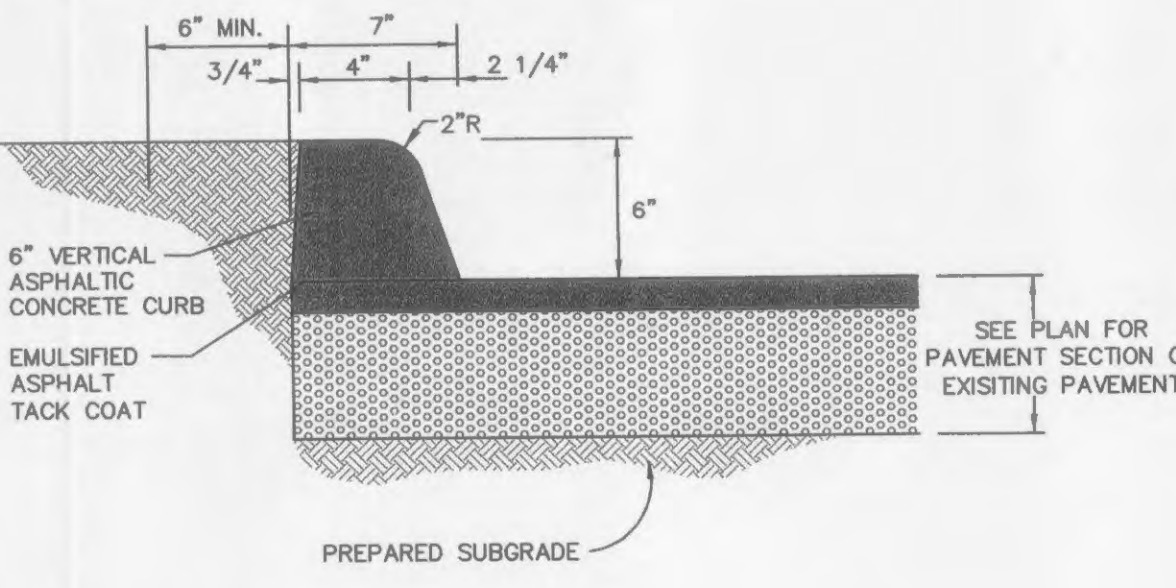


**SOUTH ENTRANCE WARPING DETAIL**  
SCALE: 1"=20'

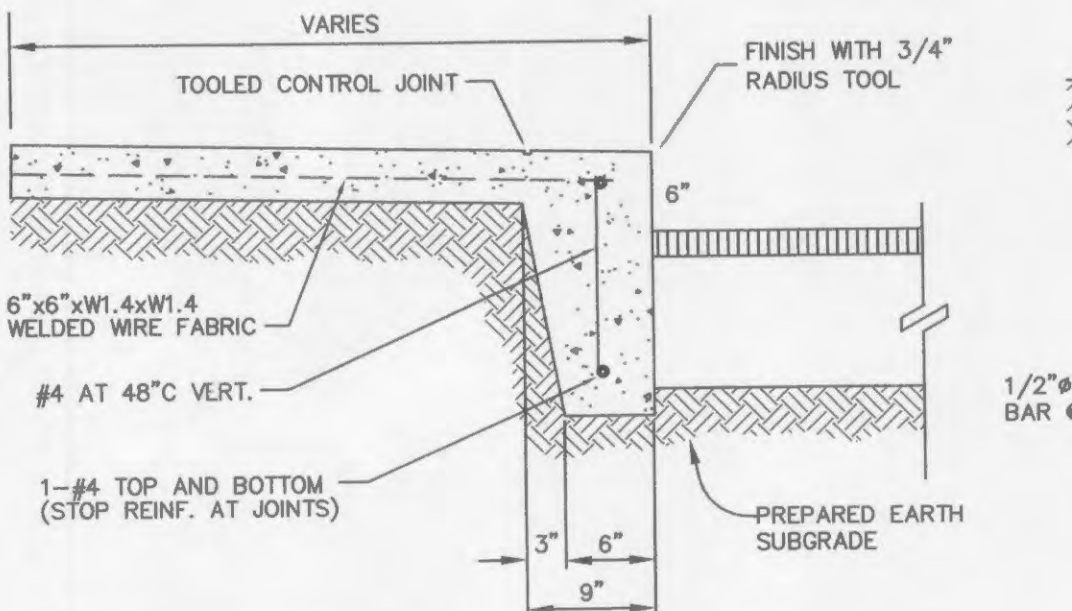
# BRYAN (VARIABLE WIDTH) ROAD



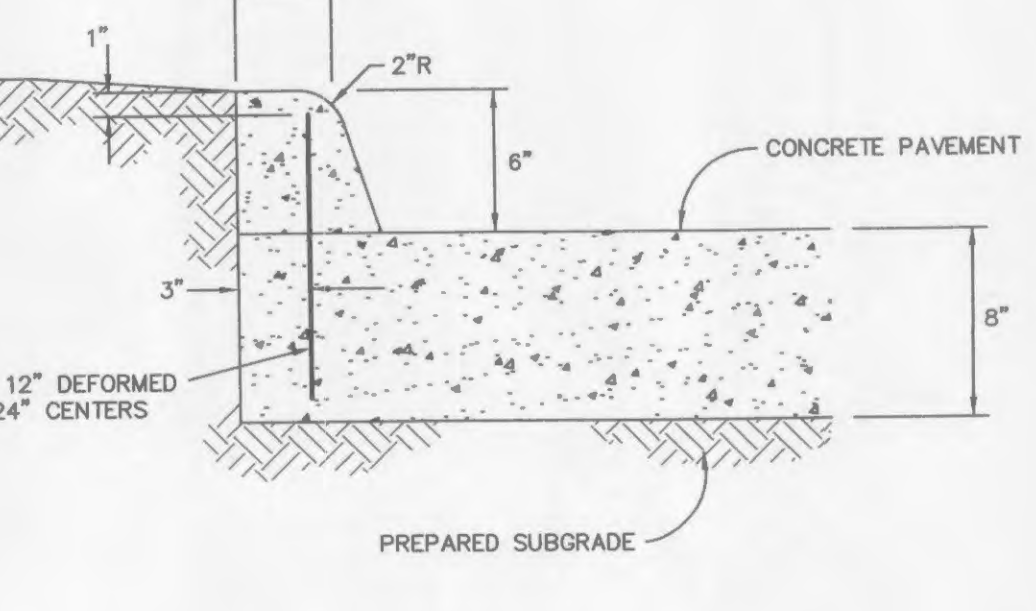
**NORTH ENTRANCE WARPING DETAIL**  
SCALE: 1"=20'



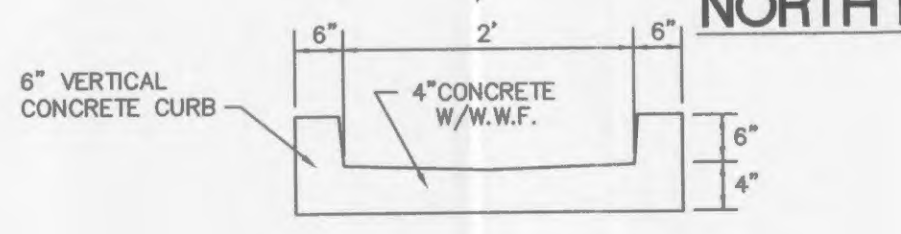
**ASPHALTIC CONCRETE CURB ON PAVEMENT DETAIL**



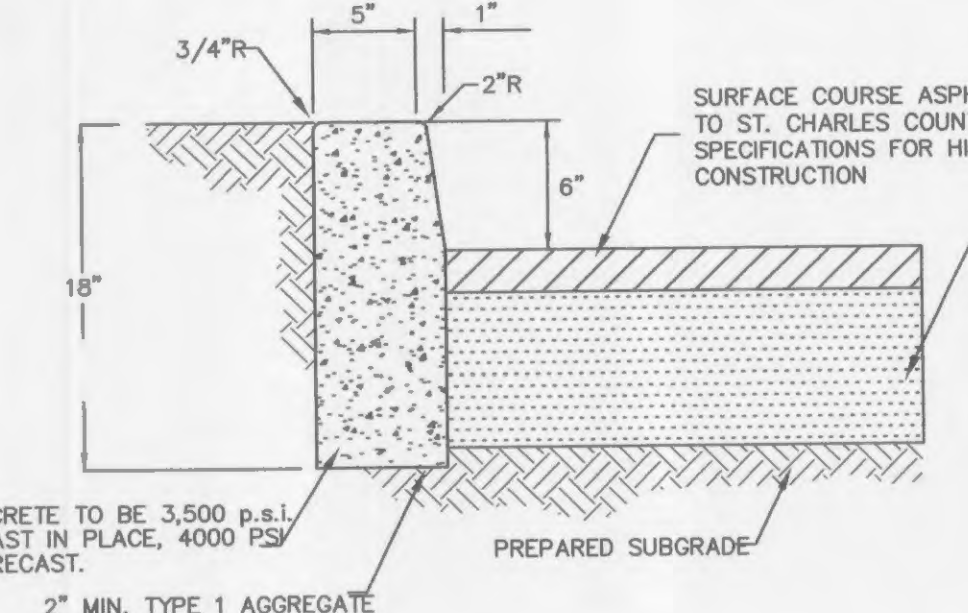
**MONOLITHIC CONCRETE CURB + WALK**  
NOT TO SCALE



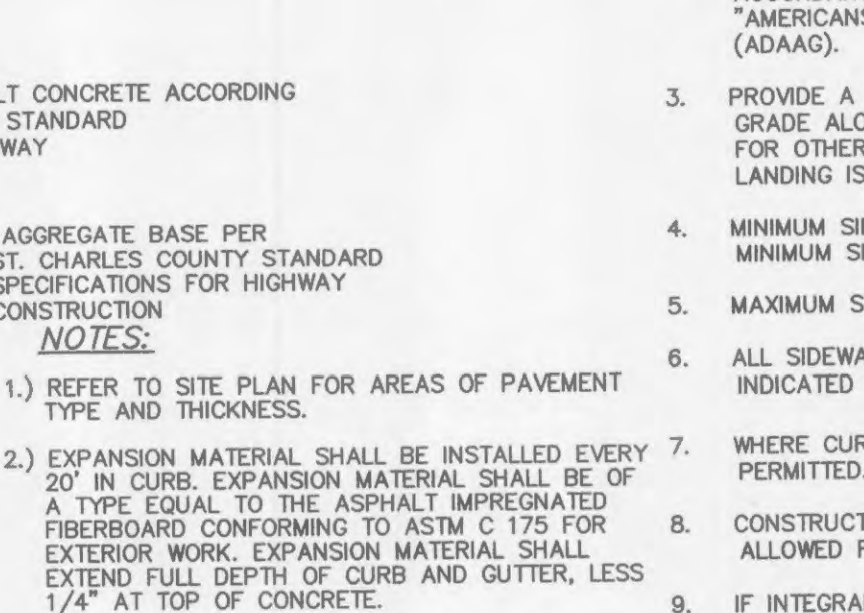
**VERTICAL CURB DETAIL FOR CONCRETE PAVEMENT**  
FOR USE IN RIGHT-OF-WAY



**TYPICAL FLUME DETAIL**  
FOR LOCATIONS SEE PLANS  
N.T.S.



**CONCRETE VERTICAL CURB AND PAVEMENT SECTION**  
NOT TO SCALE

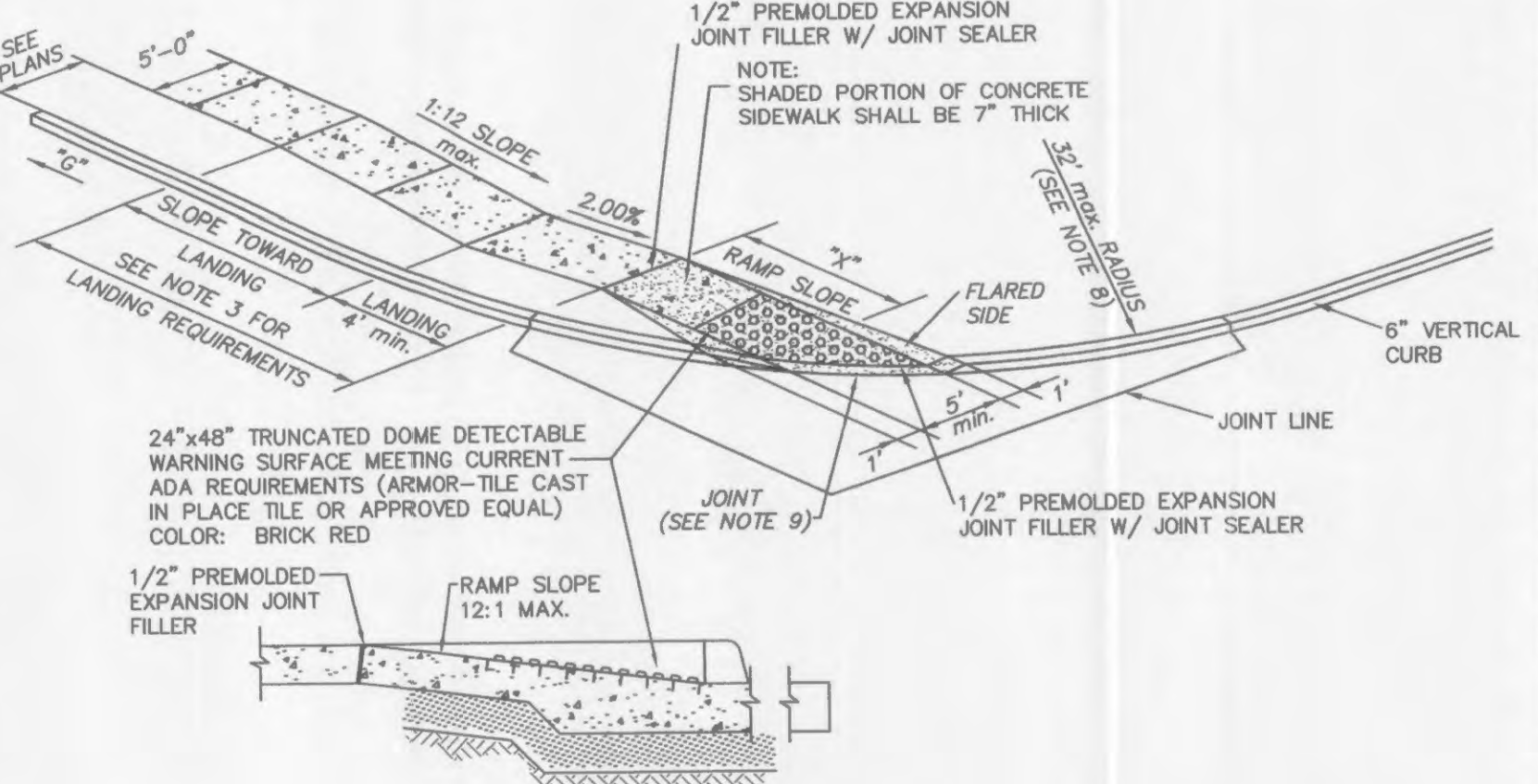


**HANDCAP RAMP DETAIL**

- DO NOT SCALE DRAWING. FOLLOW DIMENSIONS.
- SIDEWALKS AND SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE DETAILS AND THE CURRENT APPROVED "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES" (ADAAG).
- PROVIDE A LANDING AT THE TOP OF EACH STRAIGHT RAMP WHEN THE GRADE ALONG CURB ("G") IS GREATER THAN +2% AND LESS THAN +7%. FOR OTHER VALUES OF "G", INCLUDING ALL NEGATIVE (-) VALUES, NO LANDING IS REQUIRED.
- MINIMUM SIDEWALK WIDTH ALONG 6" VERTICAL CURB SHALL BE 5 FEET. MINIMUM SIDEWALK WIDTH ALONG 3" ROLLED CURB SHALL BE 4 FEET.
- MAXIMUM SIDEWALK CROSS SLOPE 0.02'/FT.
- ALL SIDEWALK SECTIONS SHALL BE 4" THICK, EXCEPT WHERE INDICATED OTHERWISE BY SHADED PORTIONS SHOWN ON DETAILS.
- WHERE CURB RAMP MEETS PAVEMENT, BULLNOSE WILL NOT BE PERMITTED.
- CONSTRUCT A DIAGONAL RAMP WHEN THE MAXIMUM CORNER RADIUS ALLOWED FOR A STRAIGHT RAMP IS EXCEEDED.
- IF INTEGRAL CONCRETE CURB IS CONSTRUCTED, STRIKE A DUMMY JOINT ACROSS BOTTOM OF RAMP AT CURB LINE. IF CONCRETE CURB IS DOWNELOD, BLOCK OUT PAVEMENT TO PROVIDE FULL DEPTH CURB ACROSS RAMP FROM OUTER POINT OF CURB TAPER TO OUTER POINT OF CURB TAPER.
- FOR PAVEMENT LONGITUDINAL AND TRANSVERSE JOINTS AND DOWEL AND TIE BAR REQUIREMENTS AND DIMENSIONS, REFER TO THE PAVEMENT CONSTRUCTION DETAILS FOR "JOINTS AND CURBS", ST. LOUIS COUNTY STANDARD DRAWING C502.03.

"G" GRADE ALONG CURB (%)	"X" MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (-) VALUES	6
0 TO +1	7
+1.01 TO +2	8
+2.01 TO +3	10
+3.01 TO +4	12
GREATER THAN +4	15

NOTE: POSITIVE (+) "G" - PROCEEDING AWAY FROM INTERSECTION AND UP A GRADE.  
NEGATIVE (-) "G" - PROCEEDING AWAY FROM INTERSECTION AND DOWN A GRADE.



**TYPE '2' CURB RAMP WITH TRUNCATED DOMES (TYP.)**

**CONSTRUCTION ENTRANCE**

**PHYSICAL DESCRIPTION:**  
A stabilized entrance to a construction site designed to minimize the amount of sediment tracked from the site on vehicles and equipment. Stabilization generally consists of aggregate over fabric, seal and sediment fall off of tires as they travel along the stabilized entrance, however, additional measures in the form of a washdown area should also be included on site. The stabilized entrance also distributes the axle load of vehicles over a larger area, thereby reducing the rutting/impact vehicles normally have on unpaved areas.

**WHERE BMP IS TO BE INSTALLED:**  
At locations where it is safe for construction vehicles and equipment to access existing streets - preferably at location of future street or drive.

**CONDITIONS FOR EFFECTIVE USE OF BMP:**  
Drainage: Ditches or pipes, if needed, sized for 15 year, 20 minute storm; HGL 6" below surface of entrance.

**WHEN BMP IS TO BE INSTALLED:**  
First order of work, along with construction entrance, prior to vehicles or equipment accessing unpaved areas.

**INSTALLATION/CONSTRUCTION PROCEDURES:**

- Grade and compact area of construction entrance
- Install sediment and silt cloth or filter fabric as needed to maintain positive drainage
- Place fabric and cover with aggregate, forming diversion across entrance if needed to direct runoff away from roadway
- Seal washed area

**MAINTENANCE PROCEDURES:**

- Immediately remove any mud or debris tracked onto paved surfaces
- Remove sediment and silt cloth or filter fabric continuously
- Replace rock if necessary to maintain clean surface
- Replace sediment area

**REMOVAL PROCEDURES:**  
Remove when vehicles and equipment will no longer access unpaved areas.

**TYPICAL DETAIL:** TC-1

**WASHDOWN STATION**

**PHYSICAL DESCRIPTION:**  
An area located at construction entrances designed to wash sediment from the tires and undercarriage of entering vehicles and prevent sediment from being tracked onto existing roadways.

**WHERE BMP IS TO BE INSTALLED:**  
Access or immediately adjacent to all paths from unpaved construction sites.

**CONDITIONS FOR EFFECTIVE USE OF BMP:**  
Drainage: Downstream BMP sized to treat dirty runoff from washdown station.

**WHEN BMP IS TO BE INSTALLED:**  
First order of work, along with construction entrance, prior to vehicles or equipment accessing unpaved areas.

**INSTALLATION/CONSTRUCTION PROCEDURES:**

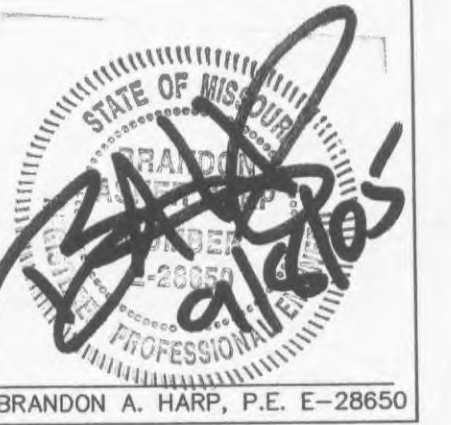
- Grade and compact area for drainage under washdown pad
- Install stone-ribbed plate on frame or other support to allow a 2" drain space
- Grade and regrade downstream BMP (shown below on detail)
- Install water supply and hose
- Post sign in entrance of station indicating that all exiting vehicles and equipment must use station prior to exiting site

**MAINTENANCE PROCEDURES:**

- Remove sediment daily
- Replace sediment area
- Replace rock if necessary to maintain clean surface

**REMOVAL PROCEDURES:**  
Remove when vehicles and equipment will no longer access unpaved areas.

**TYPICAL DETAIL:** TC-4



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INFO@CEDC.NET WWW.CEDC.NET

**Improvement Plans**  
**Hillmann Farm Plaza**  
1260 Bryan Road  
O'Fallon, Missouri 63366

Proj. # 0266

No.	Description	Date
Owner Review	12.01.04	
Per Engineer	12.07.04	
Permit / Bidding	01.10.05	
Per City	03.17.05	
Per City	04.11.05	
Per City	04.22.05	

**CONSTRUCTION DETAILS**

**C8**

PLANNING AND ZONING FILE # 1404

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