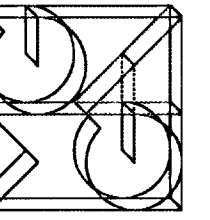


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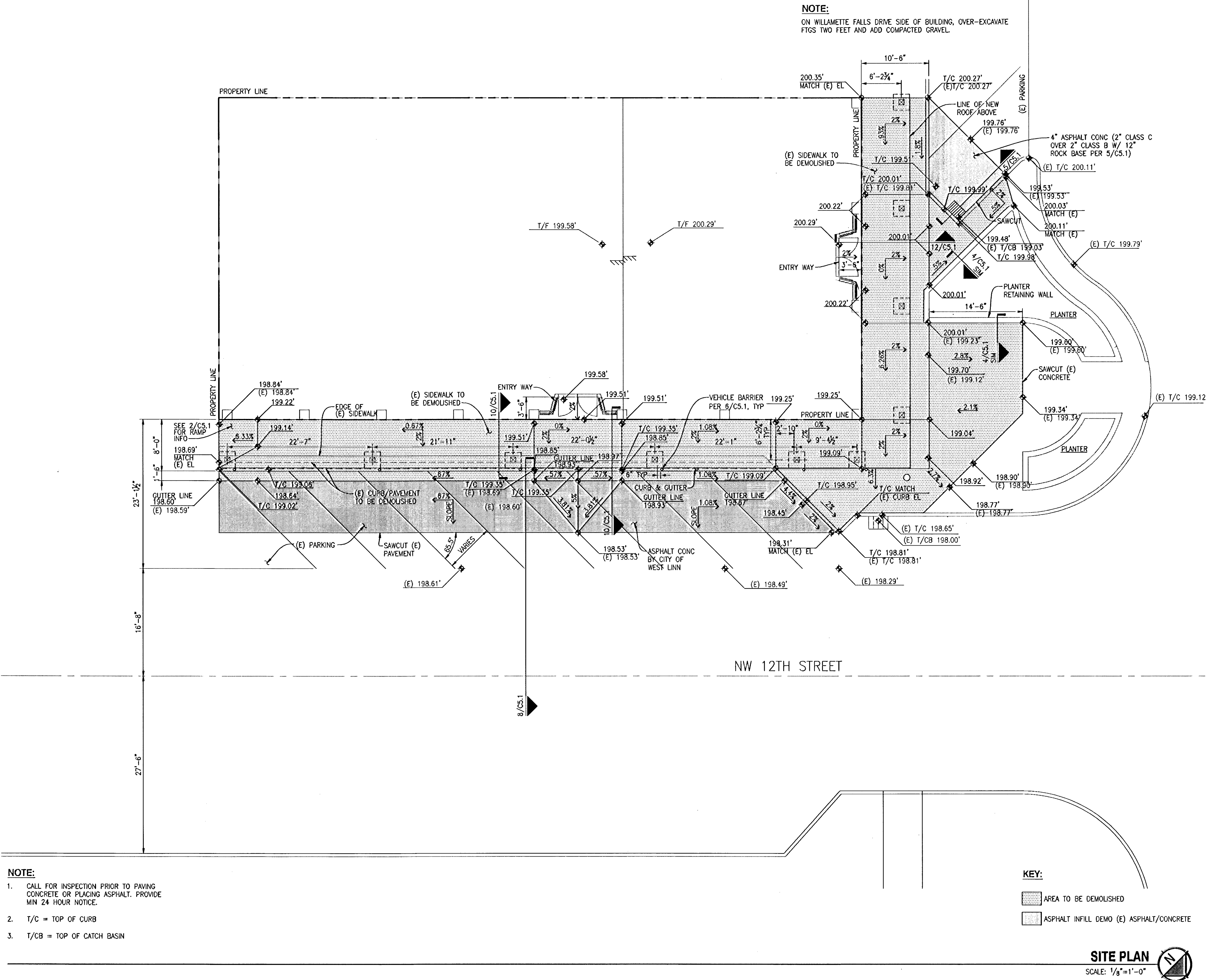


PROPOSED DESIGN FOR:  
**THE BERLIN BEAR - WEST LINN**  
1889 WILLAMETTE FALLS DR  
WEST LINN, OREGON 97068

JOB NO: 08040  
DATE: 02/12/09  
REV: 01/28/08  
02/05/09  
02/09/09

CIVIL  
EXISTING CONDITIONS  
DEMO AND  
SUBDRAINAGE PLAN

**C2.1**



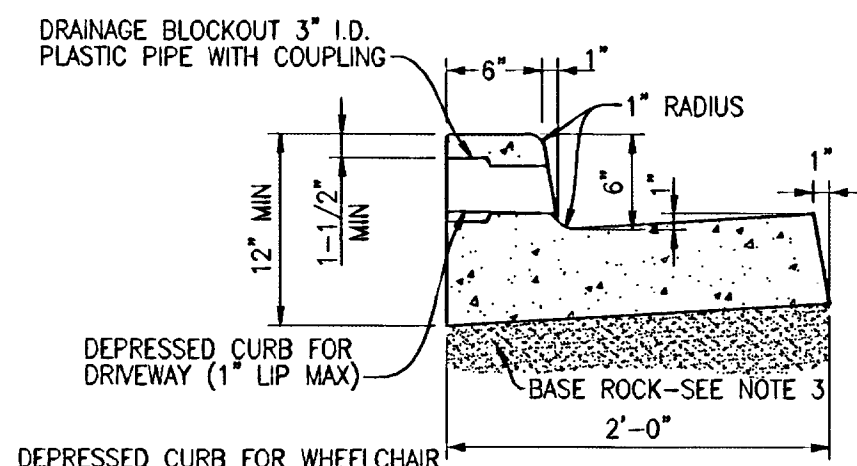
**AS-BUILT**  
2010-08-24

WILLAMETTE FALLS DRIVE

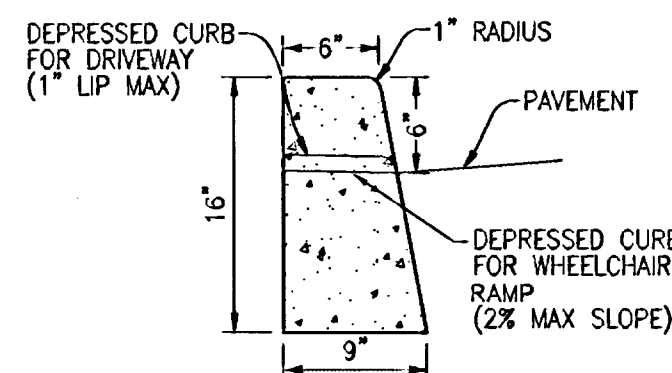
NW 12TH STREET

# NOTES

- CONCRETE SHALL HAVE A BREAKING STRENGTH OF 3300 PSI AFTER 28 DAYS
- CONTRACTION JOINTS TO BE PROVIDED
  - AT EACH POINT OF TANGENCY
  - AT EACH COLD JOINT
  - AT EACH SIDE OF INLET STRUCTURES
  - AT BOTH SIDES OF AN APPROACH
- SPACING TO BE NOT MORE THAN 15 FEET
- THE DEPTH OF THE JOINT SHALL BE AT LEAST 1/3 OF THE THICKNESS OF CONCRETE
- EXPANSION JOINTS SHALL NOT BE USED
- BASE ROCK - 11 1/2" - 0" 95% COMPACTION ROCK SHALL BE TO SUBGRADE OF THE STREET SECTION OR 4" IN DEPTH, WHICHEVER IS GREATER
- DRAINAGE BLOCK - 3" DIA. PLASTIC PIPE
  - DRAINAGE ACCESS THROUGH EXISTING CURBS SHALL BE DONE BY:
    - CORE DRILLING
    - VERTICAL SAWCUT OF CURB 18" EACH SIDE OF DRAIN AND RE-POURED TO FULL DEPTH OF CURB
- STAMP TOP OF CURB WITH "W" AT WATER SERVICE CROSSING AND "S" AT SANITARY LATERAL CROSSING



TYPICAL CURB & GUTTER



TYPICAL STRAIGHT CURB

## WEST LINN TYPICAL CURB DETAIL

SCALE: 1"=1'-0"

1

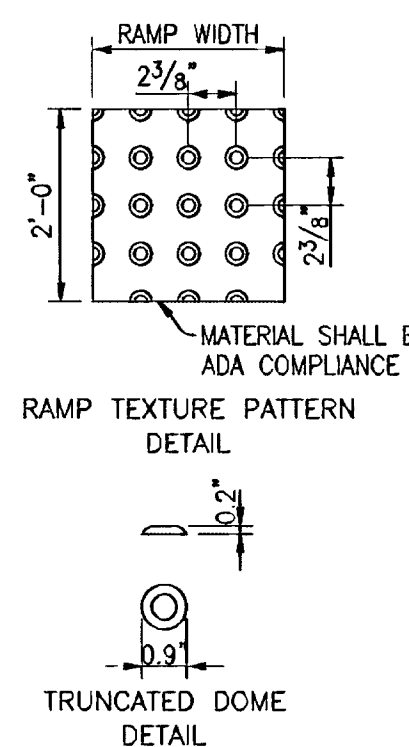
# NOTE:

- LANDING AT TOP OF RAMP SHALL NOT EXCEED 2% IN ANY DIRECTION AND SHALL BE A MINIMUM OF 60" x 60".
- RAMP CROSS SLOPE SHALL NOT EXCEED 2% (AS MEASURED PERPENDICULAR TO PEDESTRIAN TRAFFIC FLOW).
- TRUNCATED DOME MUST EXTEND THE FULL WIDTH OF THE RAMP AND COVER THE FIRST 2 FEET OF THE RAMP CLOSEST TO THE STREET.
- TRANSITIONS FROM THE RAMP TO THE WALKWAY, GUTTER, AND STREET MUST BE FLUSH (LEVEL) AND FREE OF ABRUPT LEVEL CHANGES.
- THE GUTTER OR ADJACENT ROADWAY MUST HAVE A SLOPE OF NO MORE THAN 5 PERCENT (1:20) TOWARD THE RAMP.
- FLARED SIDES ("WING") OF THE CURB RAMP SHALL NOT EXCEED 10% IN SLOPE (8.33% IF PEDESTRIAN TRAVEL IS REQUIRED OVER THEM PER ADA STANDARDS - I.E. IF MINIMUM 48" X 48" (FOR EXISTING SITES ONLY) LANDING IS NOT PROVIDED AT TOP OF RAMP).
- CONCRETE STRENGTH SHALL BE 3300 PSI.
- PLACE CONTRACTION JOINTS AS SHOWN ABOVE.
- NO ABOVE GROUND UTILITIES ARE PERMITTED WITHIN RAMP AREA.

## PARALLEL CURB RAMP DETAIL

SCALE: NTS

2



TRUNCATED DOME DETAIL

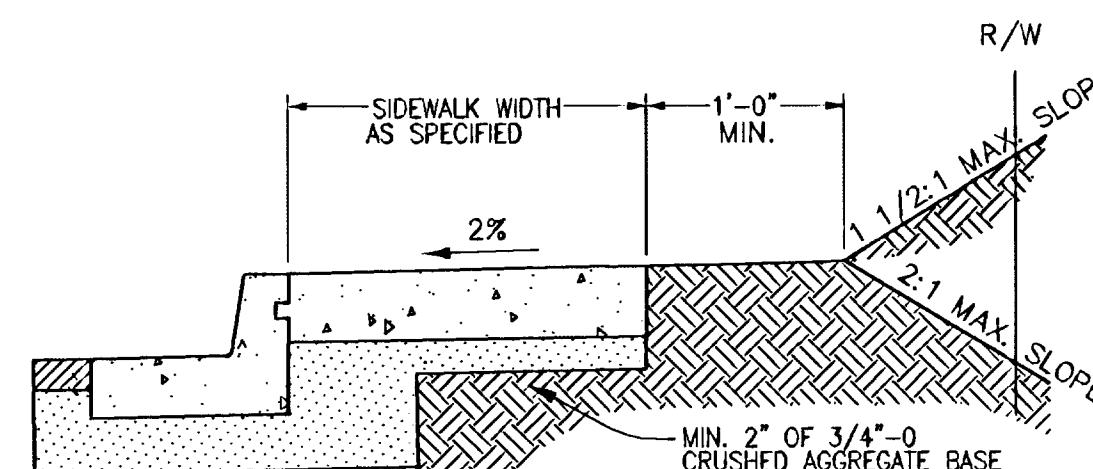
# NOTE:

- CONCRETE SHALL BE 3300 PSI AT 28 DAYS, 6 SACK MIX, SLUMP RANGE OF 1 1/2" TO 3".
- PANEL LENGTHS SHALL BE EQUAL TO THE SIDEWALK WIDTH, BUT MAY BE ADJUSTED WITH THE CITY ENGINEER'S APPROVAL.
- CONTRACTION JOINTS (1/3RD OF THE THICKNESS OF CONCRETE) SHALL BE PLACED EVERY THIRD PANEL, WITH A MAX. SPACING OF 18 FEET. JOINTS SHALL ALSO BE PLACED AT THE SIDES OF DRIVEWAY APPROACHES, UTILITY VAULTS, AND WHEELCHAIR RAMPS.
- A CURING COMPOUND SHALL BE USED. WHITE REFLECTIVE SHEETING SHALL BE USED IN CASE OF RAIN.
- FOR SIDEWALKS ADJACENT TO THE CURB AND POURED AT THE SAME TIME AS THE CURB, THE JOINT BETWEEN THEM SHALL BE A TROWELED JOINT WITH A MIN. 1/2" RADIUS.
- THE SIDEWALK SHALL HAVE A MIN. THICKNESS OF 6" IF MOUNTABLE CURB IS USED OR IF THE SIDEWALK IS INTENDED AS A PORTION OF THE DRIVEWAY. OTHERWISE, THE SIDEWALK SHALL HAVE A MIN. THICKNESS OF 4".
- DRAIN BLOCKOUTS IN THE CURB SHALL BE EXTENDED TO THE BACK OF THE SIDEWALK WITH A 3" DIA. PLASTIC PIPE AT A 2% SLOPE. A CONTRACTION JOINT SHALL BE PLACED OVER THE PIPE.

## TYPICAL SIDEWALK ABUTTING CURB

SCALE: NTS

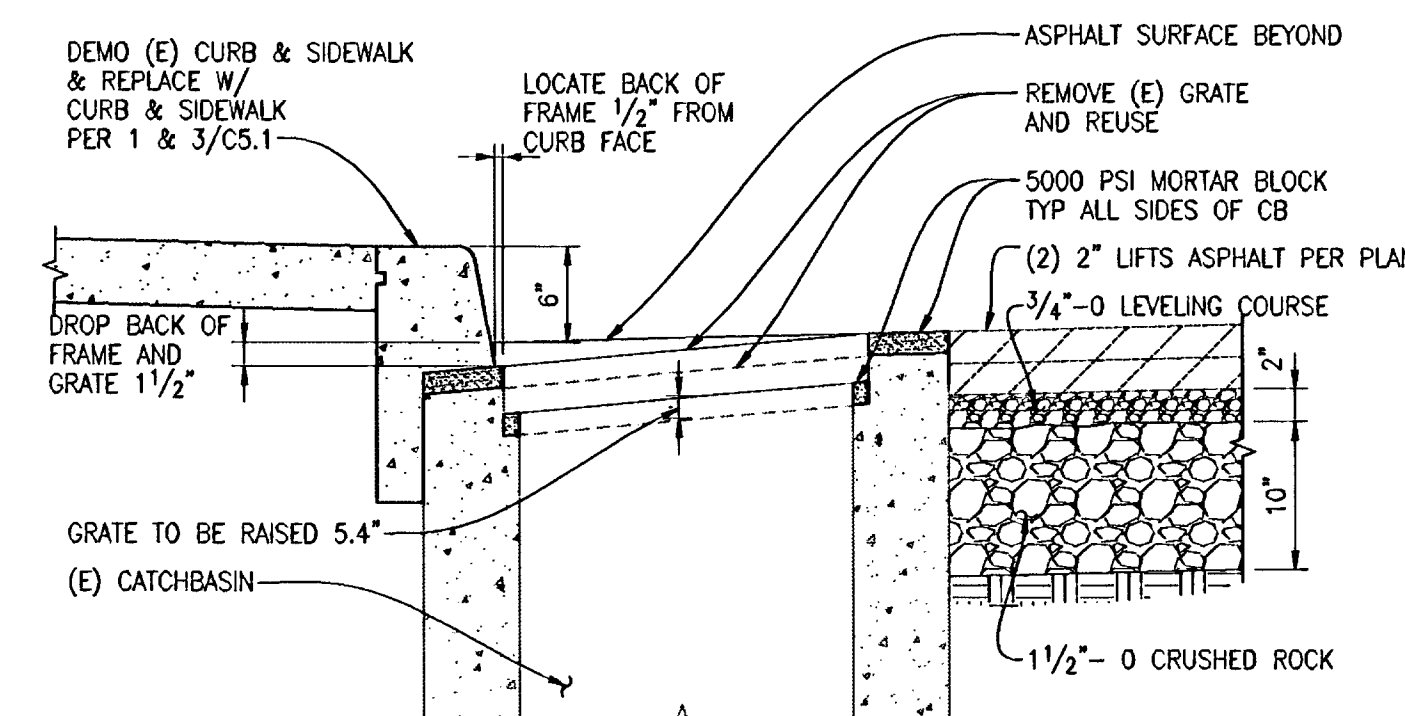
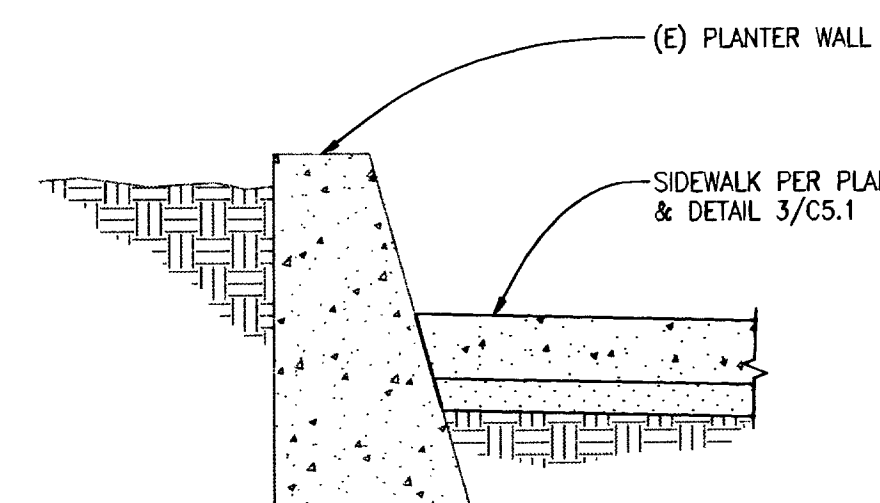
3



## SIDEWALK AT EXISTING PLANTER WALL

SCALE: 1"=1'-0"

4



## CATCHBASIN EXTENSION DETAIL

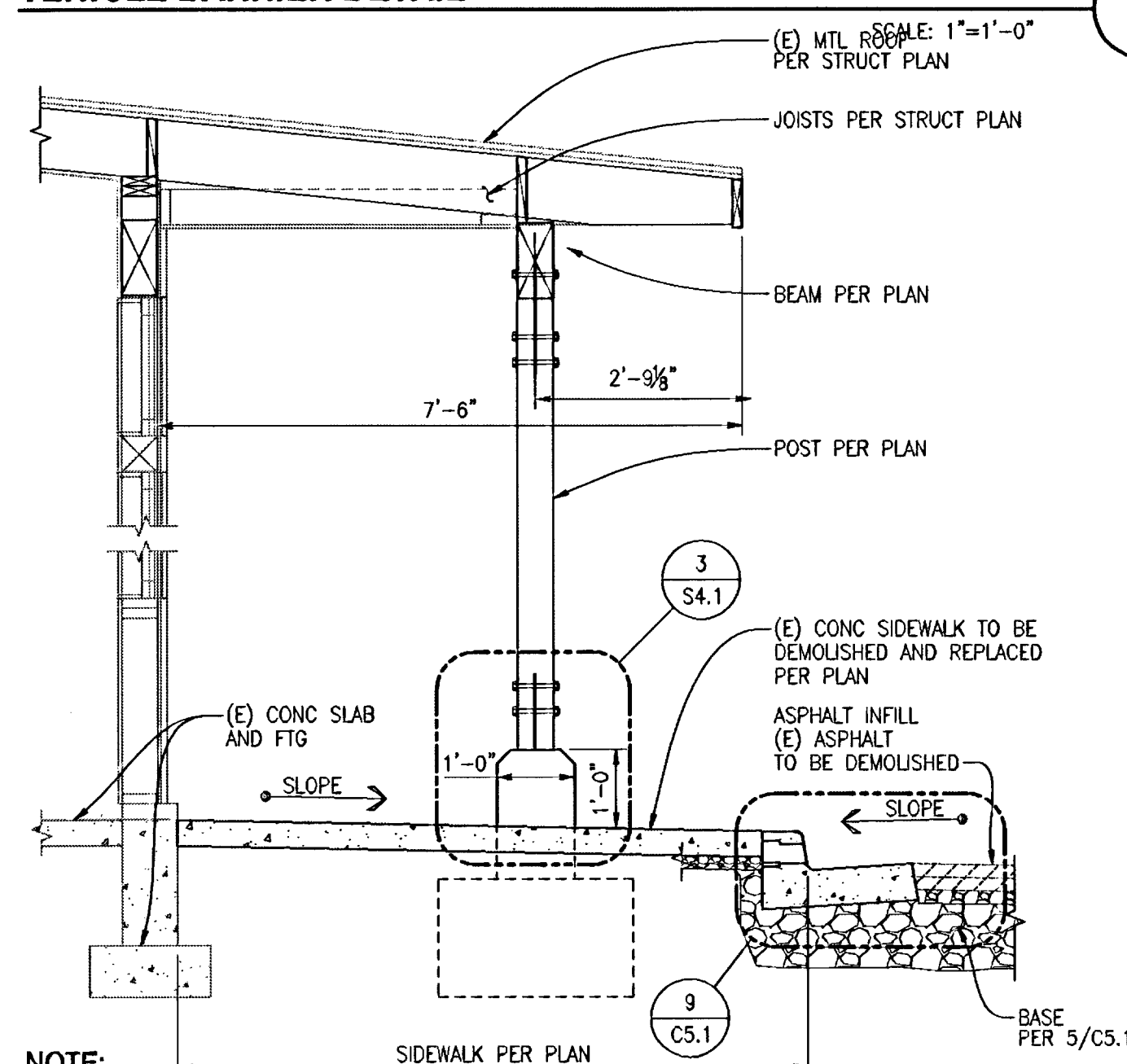
SCALE: 1"=1'-0"

5

## VEHICLE BARRIER DETAIL

SCALE: 1"=1'-0"

6



NOTE:  
ADDITIONAL INFORMATION  
PER 1/C5.1 AND 3/C5.1.

## 12th STREET SECTION

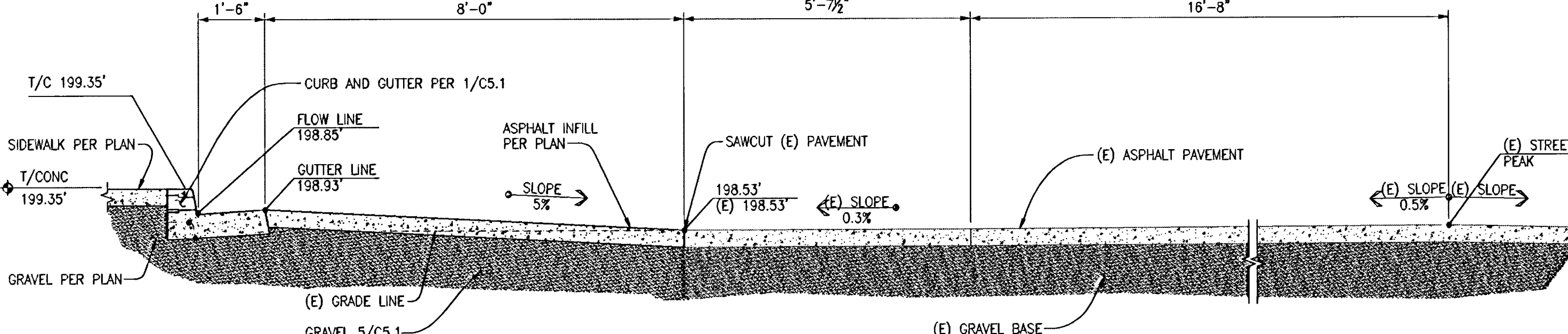
SCALE: 1/2"=1'-0"

10

## ROAD CROSS SECTION

SCALE: 1/2"=1'-0"

8

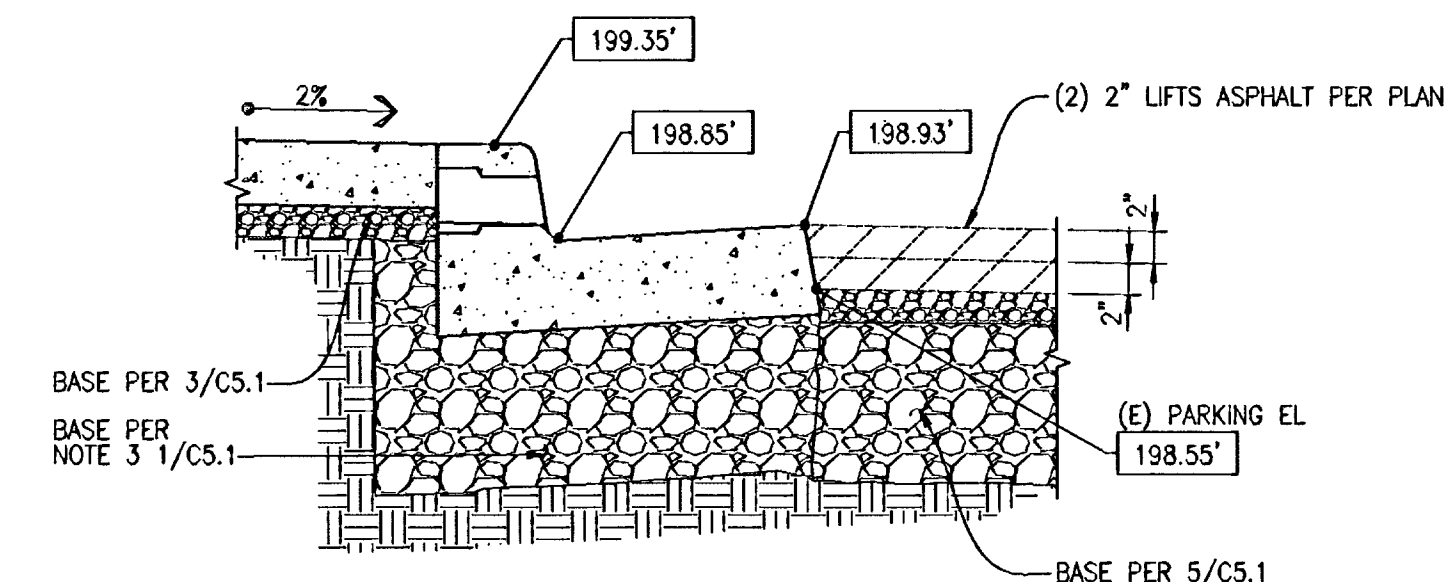


- OVER EXCAVATE FTG 2'-0" AND ADD COMPACTED GRAVEL
- ADDITIONAL INFORMATION PER 1/C5.1 AND 3/C5.1.

## WILLAMETTE FALLS DRIVE SECTION

SCALE: 1/2"=1'-0"

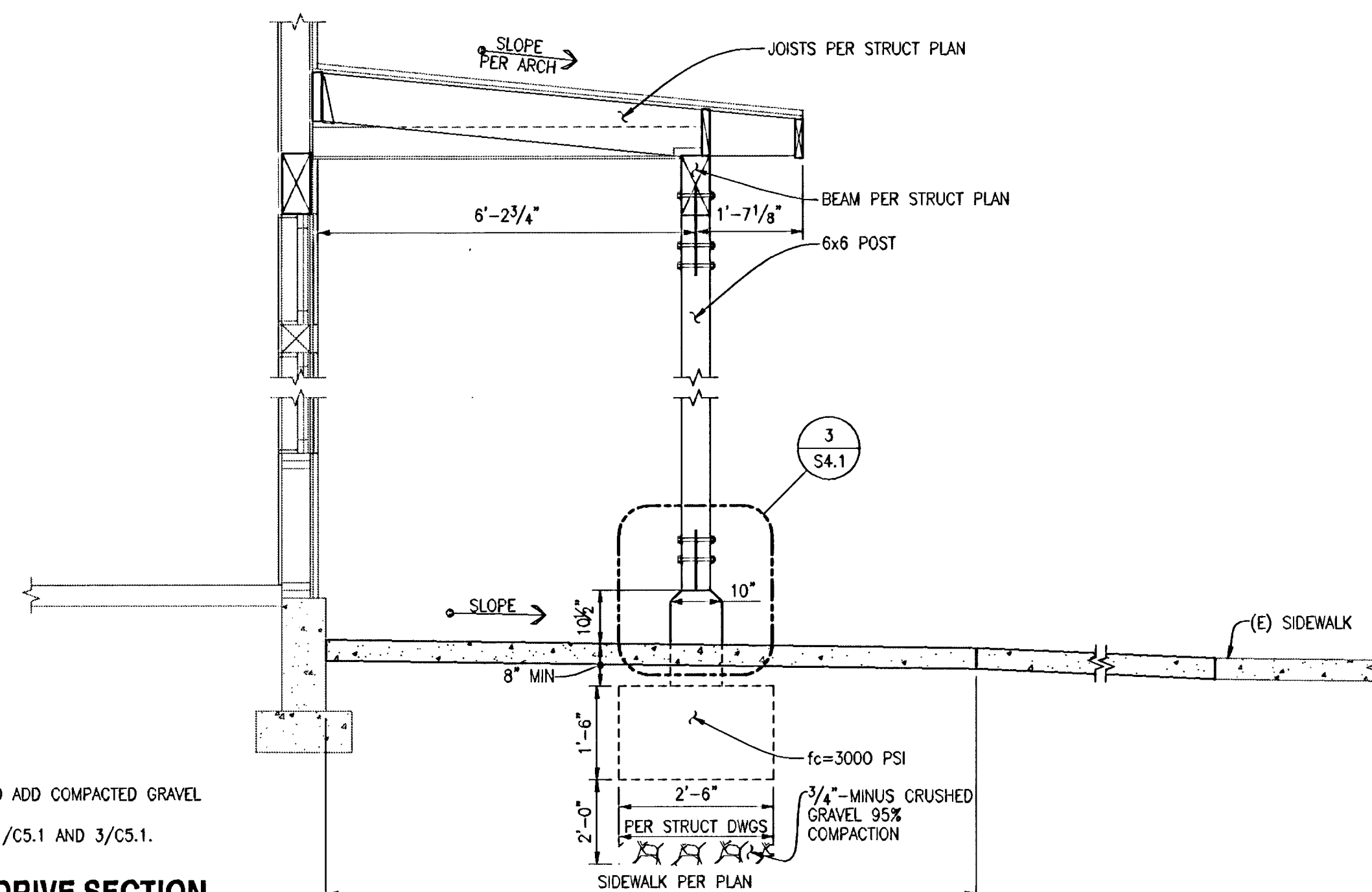
12



## CURB DETAIL

SCALE: 1"=1'-0"

9



AS-BUILT  
2010-08-24

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SITE  
DETAILS

C5.1

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