



\_EX LANDSCAPE PROPOSED CURB-AND GUTTER EX ELECTRIC - EX COMMUNICATION -EX WATER EX WATER EX RECLAIMED WATER SECTION N.T.S.

NOT USED N.T.S.

SPECIAL NOTES FOR MIRAMAR COLLEGE: THE FOLLOWING NOTES PROVIDED BY THE DISTRICT FOR CONTRACTOR REFERENCE:

CAUTION:

1. THE CONTRACTOR MAY ENCOUNTER OLD MILITARY ORDNANCE. THE CONTRACTOR SHALL NOTIFY THE DISTRICT IMMEDIATELY IF THEY ENCOUNTER ANY ORDNANCE.

2. GEOTECHNICAL INVESTIGATIONS FOR THE SURROUNDING IMPROVEMENTS DESCRIBE THE UNDERLYING SOILS AS SANDY CLAY OVER HIGHLY CEMENTED GRAVEL AND COBBLE CONGLOMERATE (LINDA VISTA FORMATION AND STADIUM CONGLOMERATE). NO GROUNDWATER WAS ENCOUNTERED. TRENCHING INTO THE LINDA VISTA FORMATION AND STADIUM CONGLOMERATE WILL BE DIFFICULT AND MAY REQUIRE HEAVY EQUIPMENT.

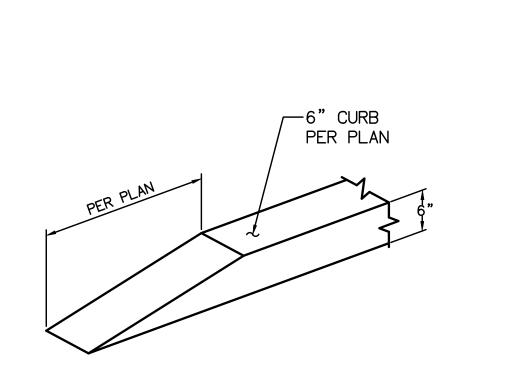
9755 Clairemont Mesa Blvd. San Diego, CA 92124 Phone: (858) 614-5000 MBAKERINTL.COM INTERNATIONAL

d.	No. C77445 Exp. 6-30-19  CIVIL OF CALLED  EMGANEER OF WORK	
	ENGINEER OF WORK	
	Chur hullivan	
	JAY H. SULLIVAN R.C.E. ND. C77445 EXP. 06-30-10	DATE
	₹	

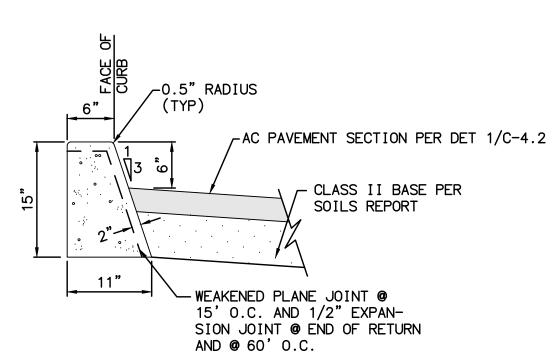
APPROVED BY	APPROVED BY	DRAWN MAG	
		CHECKED	
		JHS	
		REVISION	
		1	
D.S.A.	DISTRICT ARCHITECT		

SECTIONS AND DETAILS MIRAMAR COLLEGE SEPTEMBER 12, 2017 INFRASTRUCTURE AND SITE SHEET 14 DEVELOPMENT PHASE II (SOUTH) SCOPE "B" C-4.1 SAN DIEGO COMMUNITY COLLEGE DISTRICT of **46** 

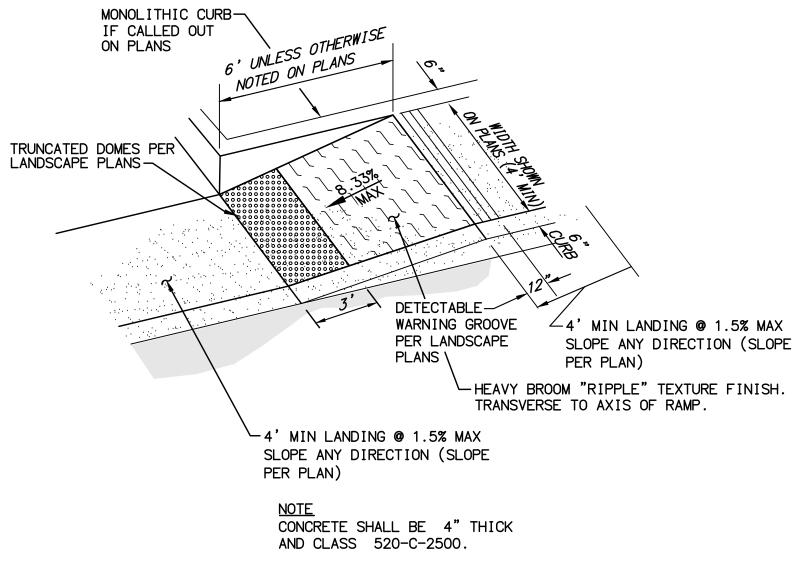
DETAIL AC PAVEMENT SECTION C-4.2 N.T.S.

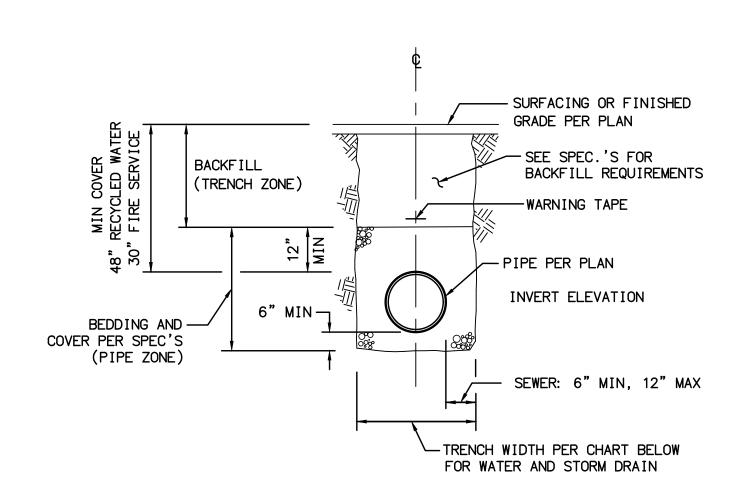


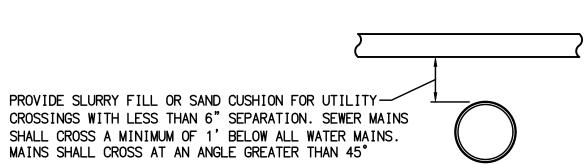
DETAIL 6" TO 0" CURB TRANSITION N.T.S. 5 C-4.2







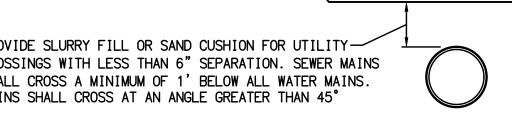




SPECIAL NOTES FOR MIRAMAR COLLEGE: THE FOLLOWING NOTES PROVIDED BY THE DISTRICT FOR CONTRACTOR REFERENCE:

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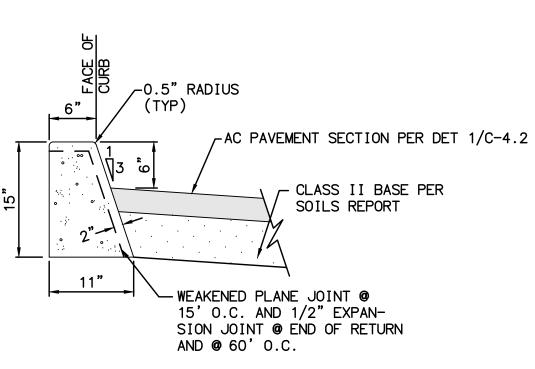
2. GEOTECHNICAL INVESTIGATIONS FOR THE SURROUNDING IMPROVEMENTS DESCRIBE THE UNDERLYING SOILS AS SANDY CLAY OVER HIGHLY CEMENTED GRAVEL AND COBBLE CONGLOMERATE (LINDA VISTA FORMATION AND STADIUM CONGLOMERATE). NO GROUNDWATER WAS ENCOUNTERED. TRENCHING INTO THE LINDA VISTA FORMATION AND STADIUM CONGLOMERATE WILL BE DIFFICULT AND MAY REQUIRE



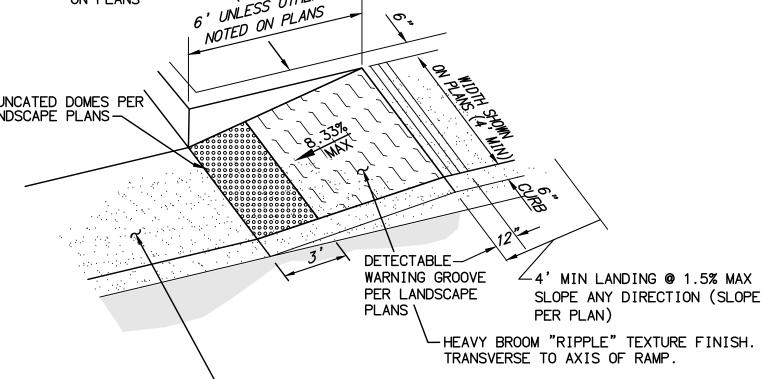
DETAIL

**UTILITY CROSSING** 

N.T.S.









## TRENCH WIDTH:

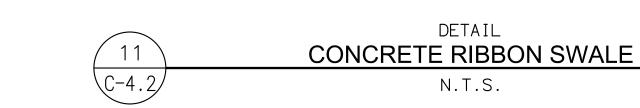
NOM. INSIDE PIPE DIAMETER	MIN DISTANCE	MAX DISTANCE	
4" & SMALLER	18"	28"	
6"-8"	24"	32"	
10"-12"	28"	36"	

## NOTES:

1. FOR TRENCHING IN EXISTING PAVEMENTS, SEE STANDARD DRAWINGS G-24 OR G-25 FOR TRENCH RESURFACING

- 2. VERTICAL EXCAVATIONS GREATER THAN 4 FEET HIGH SHOULD NOT BE ATTEMPTED WITHOUT PROPER SHORING PER CAL-OSMA OR SLOTTED
- 3. WHERE UTILITIES CROSS, SEE DETAIL 9/C-4.2

(10)	DETAIL UTILITY TRENCH
C-4.2	N.T.S.



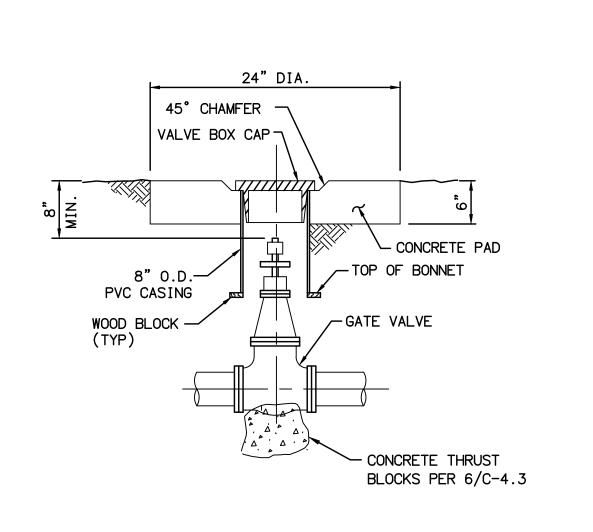
0.5"RAD.(TYP)—

AC PAVEMENT PER PLAN

-WEAKENED PLANE JOINT
@ 15' O.C. AND O.5"
EXPANSION JOINT @ END
OF RETURN AND @ 60' O.C. SECTION



— AC PAVEMENT OR CONCRETE PER PLAN



NOTES:

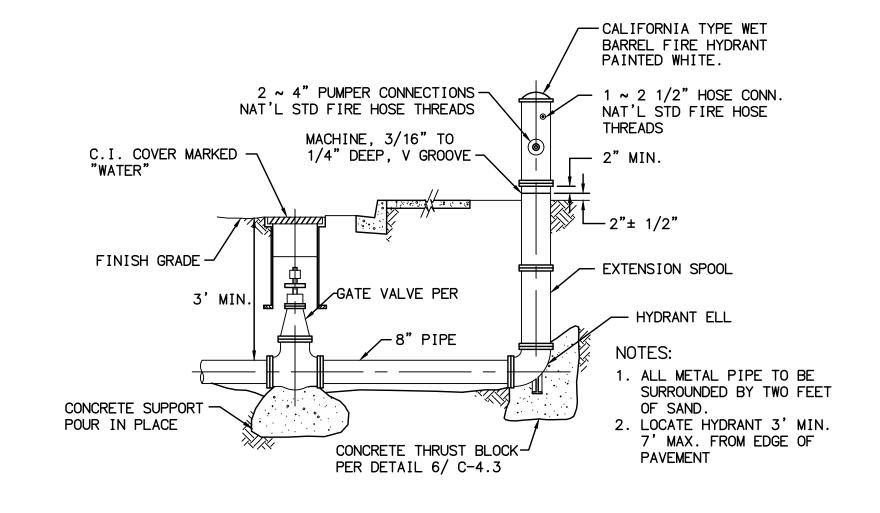
1. CONCRETE SHALL BE 520-C-2500.

RETURN AND @ 60' O.C.

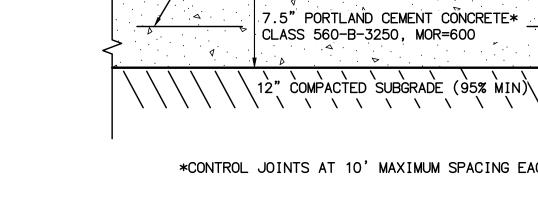
2. SLOPE TOP OF CURB 1/4" PER FOOT IN DIRECTION OF FLOW.

3. CONCRETE JOINTS AND JOINTS BETWEEN CONCRETE AND AC PAVEMENT @ 15' O.C. AND O.5" EXPANSION JOINT @ END OF









\*CONTROL JOINTS AT 10' MAXIMUM SPACING EACH WAY

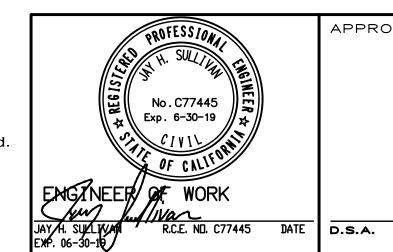
- NOTE: STEEL REINFORCEMENT (NUMBER 4 BARS @

18" ON CENTER EACH DIRECTION MINIMUM)

\*ALL VALUES ARE PRELIMINARY. CONTRACTOR IS RESPONSIBLE FOR FINAL PAVEMENT SECTIONS AS DETERMINED BY GEOTECHNICAL ENGINEER AFTER R-VALUE TESTING AND TEST OF COMPLETED SUBGRADE. REBAR REINFORCEMENT AS REQUIRED PER SPEC.

C-4.2

DETAIL HEAVY VEHICLE CONCRETE PAVEMENT SECTION N.T.S.



ESS 10 MILES	APPROVED BY
C77445	
CALIFORNIA	
WORK	

APPROVED BY

DRAWN	SECTIONS AND DETAILS
MAG	SECTIONS AND DETAILS
CHECKED	MIRAMAR COLLEGE
JHS	INFRASTRUCTURE AND SITE
REVISION	DEVELOPMENT PHASE II (SOUTH)
	SCOPE "B"

DATE

**SEPTEMBER 12, 2017** 

SHEET 15

C-4.2

of **46** 

San Diego, CA 92124 Phone: (858) 614-5000 MBAKERINTL.COM INTERNATIONAL

9755 Clairemont Mesa Blvd.

DISTRICT ARCHITECT

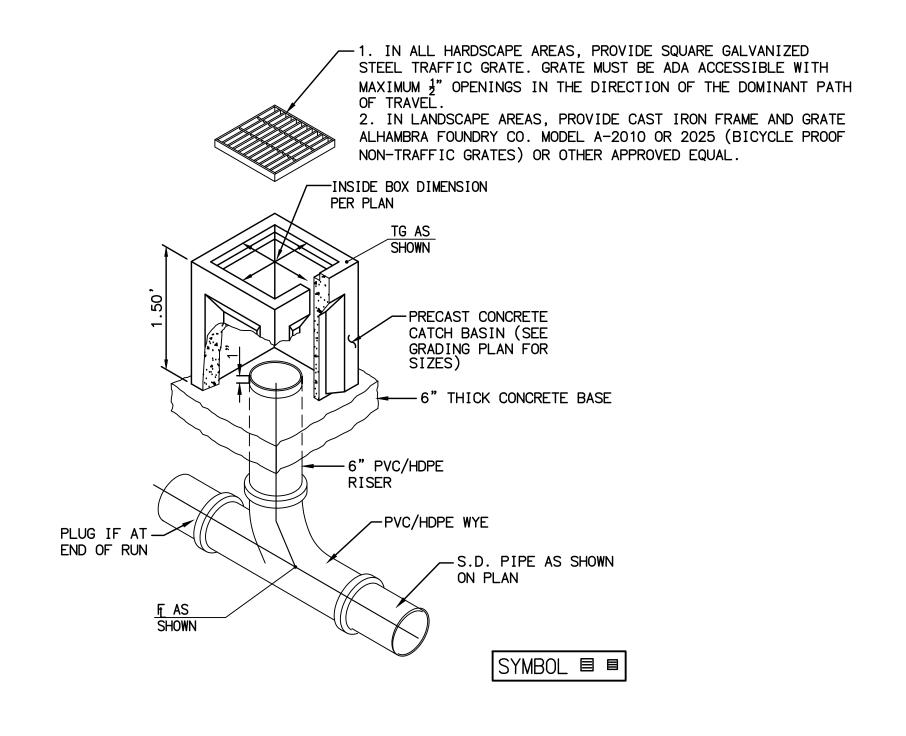
-CONCRETE PAVEMENT PER

DETAIL 12, THIS SHEET

SAN DIEGO COMMUNITY COLLEGE DISTRICT

CAUTION:

HEAVY EQUIPMENT.



1. IN ALL HARDSCAPE AREAS, PROVIDE SQUARE GALVANIZED STEEL TRAFFIC GRATE. GRATE MUST BE ADA ACCESSIBLE WITH MAXIMUM 3" OPENINGS IN THE DIRECTION OF THE DOMINANT PATH OF 2. IN LANDSCAPE AREAS, PROVIDE CAST IRON FRAME AND GRATE ALHAMBRA FOUNDRY CO. MODEL A-2010 OR 2025 (BICYCLE PROOF NON-TRAFFIC GRATES) OR OTHER APPROVED EQUAL. - PRECAST CONCRETE CATCH BASIN - ARCHED OPENING LOCATION AND SIZED TO SUIT

NOTES:

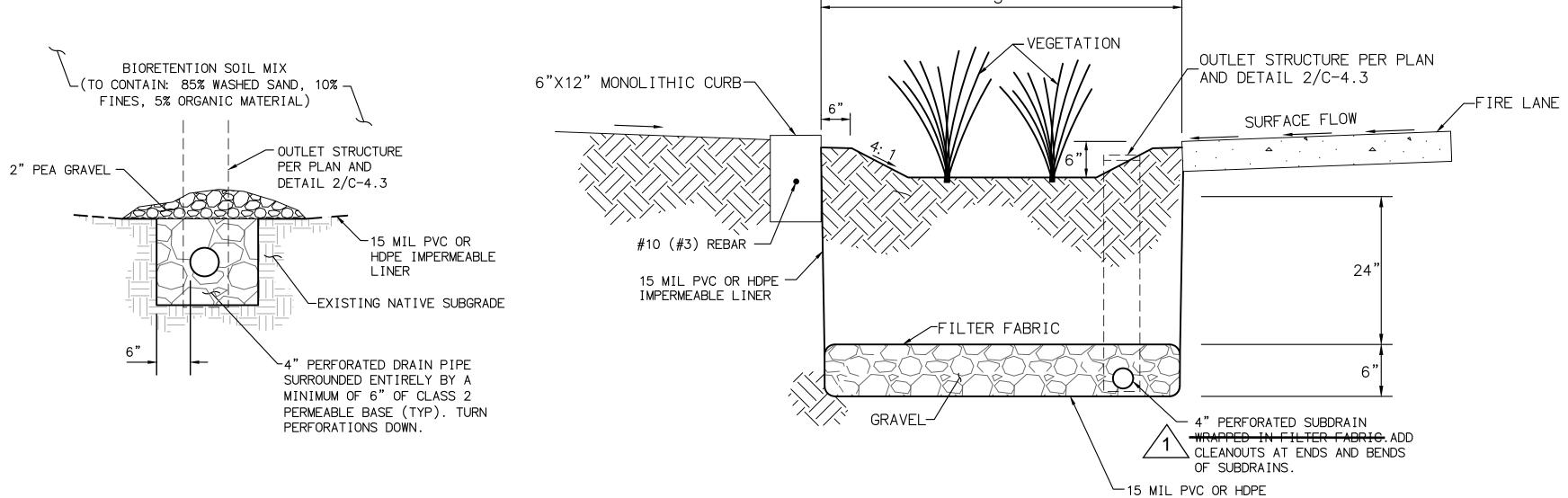
1. USE PRECAST CONCRETE BOTTOM OR AT CONTRACTORS OPTION, POUR A 6" THICK CONCRETE BOTTOM. 2. FOR LARGER PIPES, THE USE OF THE CONCRETE COLLAR SHOWN IS OPTIONAL.

3. SEE STORM DRAIN PLANS FOR PIPE SIZES 4. MAY USE SOLID COVER FOR JUNCTION STRUCTURE.

SYMBOL ■ ■







IMPERMEABLE LINER





SPECIAL NOTES FOR MIRAMAR COLLEGE: THE FOLLOWING NOTES PROVIDED BY THE DISTRICT FOR CONTRACTOR REFERENCE:

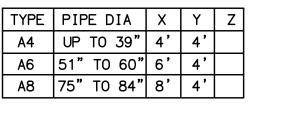
## CAUTION:

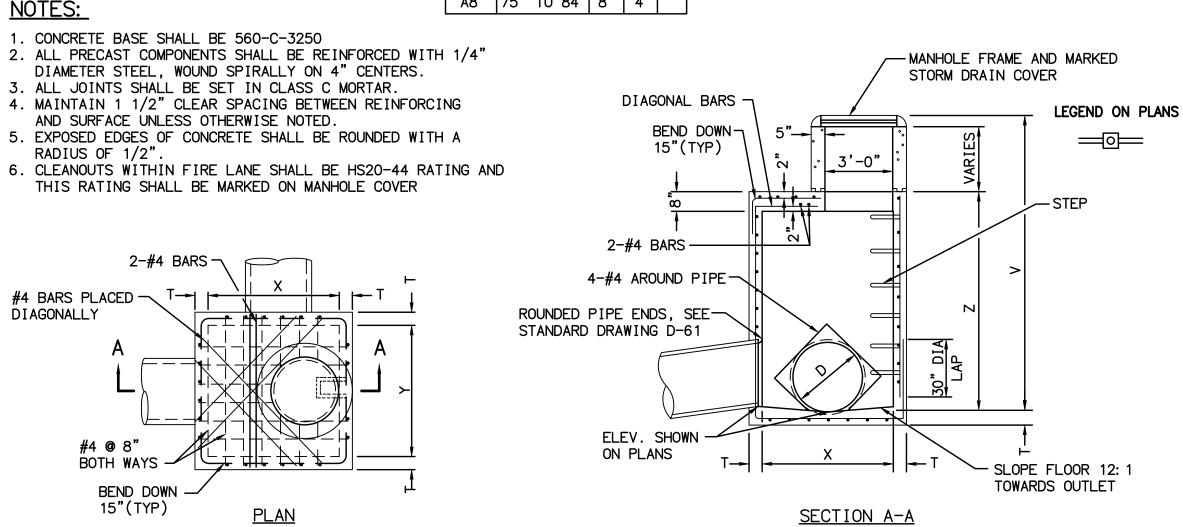
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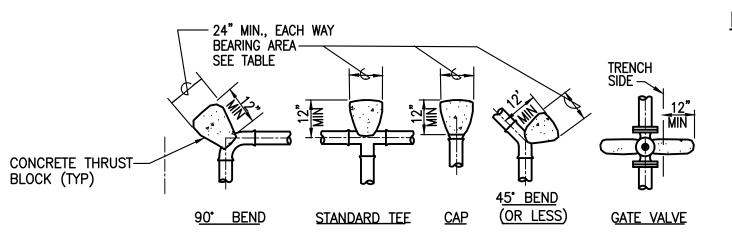


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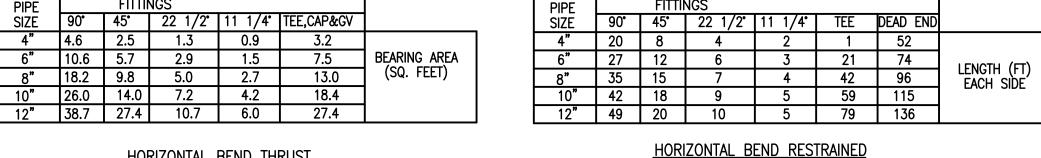


1. MAX. ALLOWABLE SOIL PRESSURE (MASP) = 1,250 PSF 2. DESIGN OPERATING PRESSURE (DOP) = 120 PSI

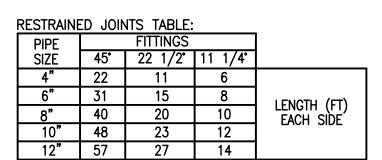
3. DESIGN TEST PRESSURE (DTP) = 200 PSI 4. CONCRETE THRUST BLOCKS SHALL NOT INFRINGE ON VALUE OPERATORS, BOLTS, ETC. 5. ALL THRUST BLOCK BEARING AREAS SHALL BE CARRIED TO UNDISTURBED SOIL. 6. IF MASP, DOP, OR DTP DIFFERS THEN THRUST BLOCK BEARING AREAS AND VOLUMES MUST BE RE-CALCULATED.

7. THRUST BLOCKS SHALL BE USED AT CONNECTIONS BETWEEN EXISTING & NEW PIPE MAINS WHERE JOINTS ARE NOT RESTRAINED. 8. RESTRAINED JOINTS MUST BE USED FOR ALL VERTICAL BENDS

9. RESTRAINED JOINTS MAY BE USED IN LIEU OF HORIZONTAL THRUST BLOCKS AT THE DISCRETION OF THE CONTRACTOR AND APPROVED BY THE DESIGNER OF RECORD. 10. RESTRAINED JOINTS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

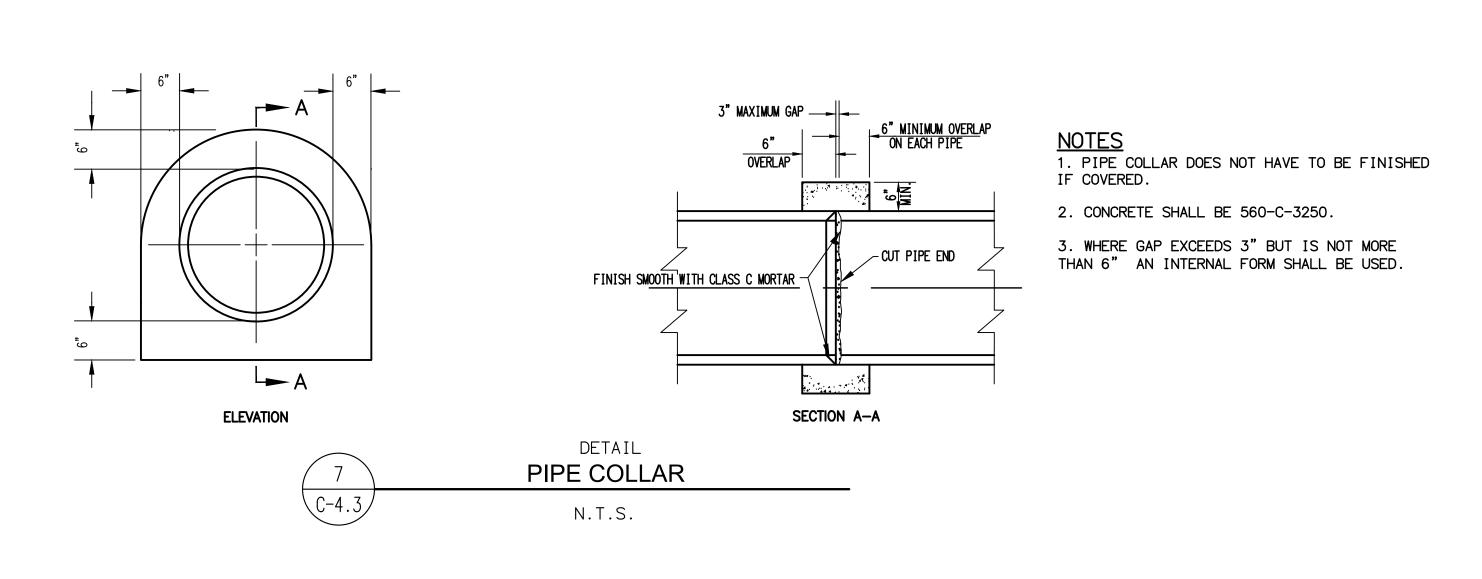


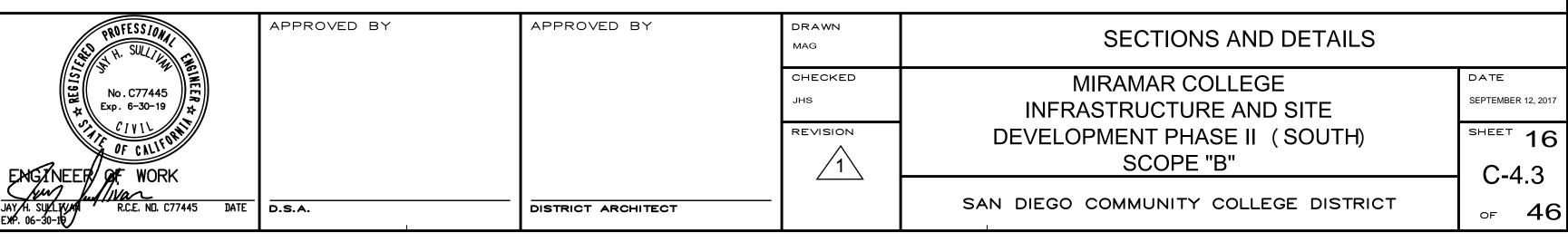
HORIZONTAL BEND THRUST JOINT TABLE AND DETAILS BLOCK TABLE AND DETAILS



VERTICAL BEND RESTRAINED JOINT TABLE AND DETAILS







AUGUST 3, 2017

SHEET 17

C-4.4

of **46** 

**PARKING** 

ONLY

**ACCESSIBLE** 

MINIMUM

FINE \$250

1. SIGN SHALL BE CONSTRUCTED OF A MINIMUM 0.062"

2. LETTERING, SYMBOL AND BORDER SHALL BE

REFLECTORIZED WHITE, ON A BLUE BACKGROUND.

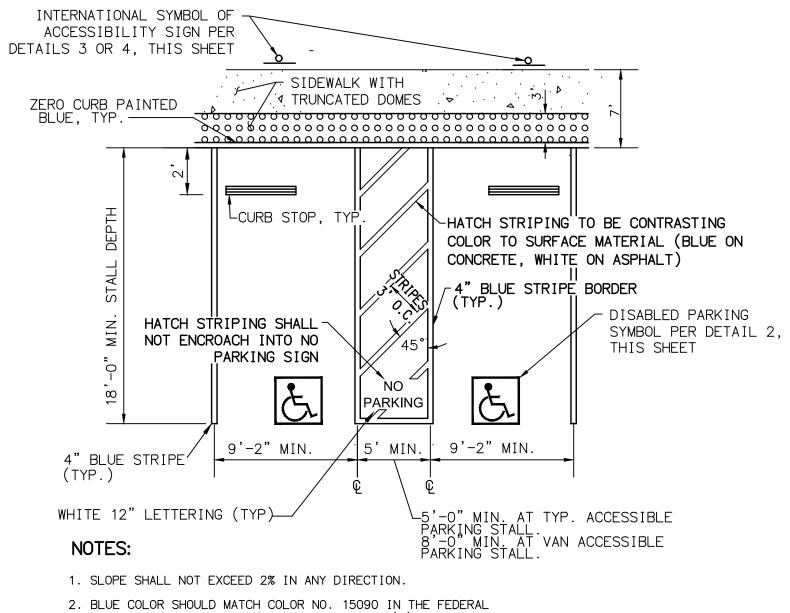
DETAIL

ACCESSABLE PARKING SIGNS FOR VAN SPOTS

MINIMUM SIGN DIMENSION 6"X12"

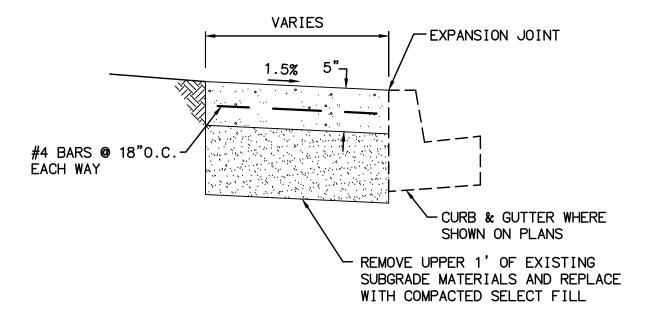
NOTES:

THICK ALUMINUM.



- STANDARD 595C AS SPECIFIED IN SECTION 522(B)2.
- 3. ALL PARKING SPACES MARKED "VAN" OR "ACC" ON THIS PLAN SHALL FOLLOW THESE DETAILS

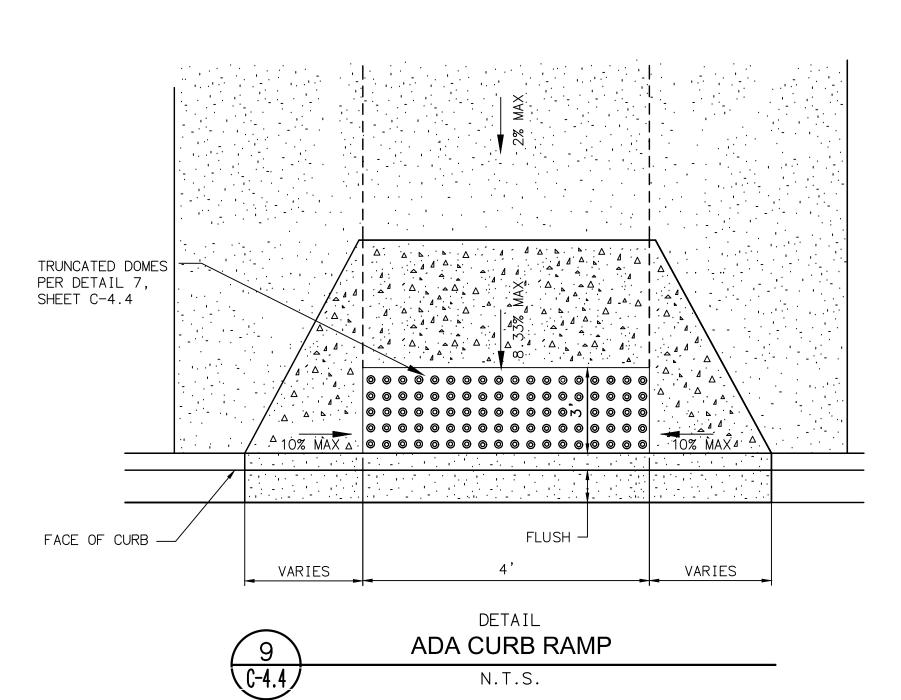


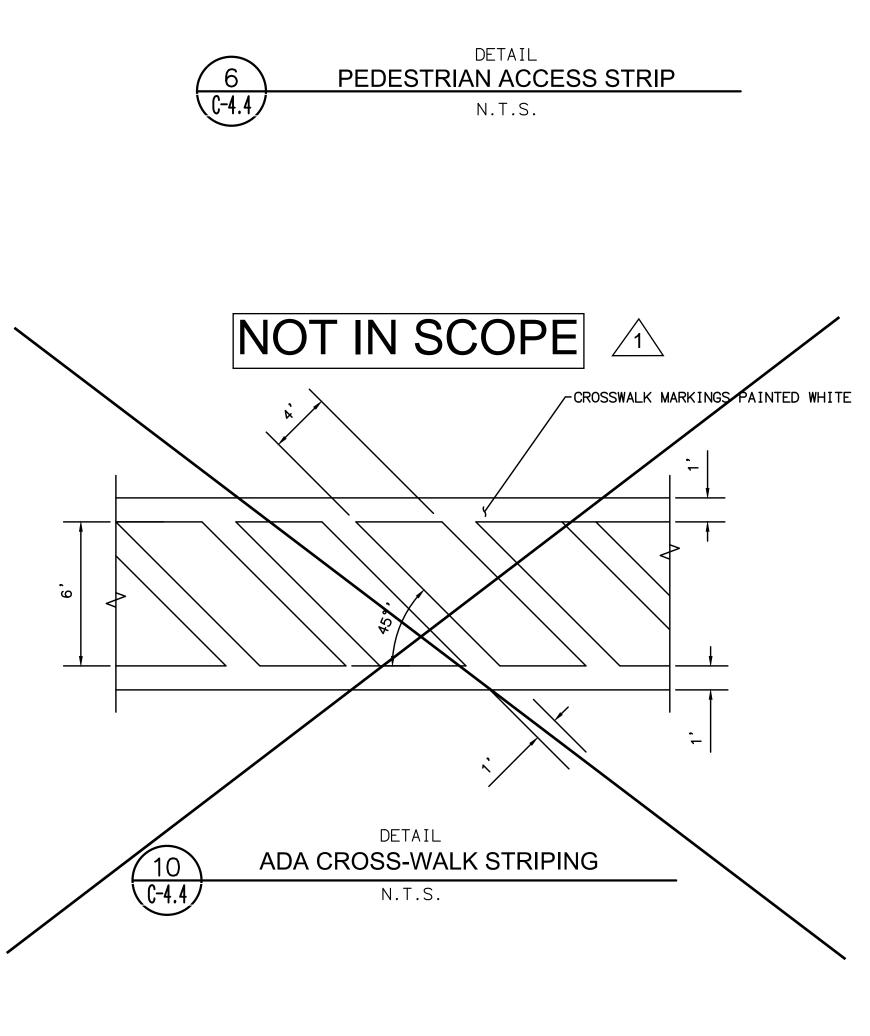


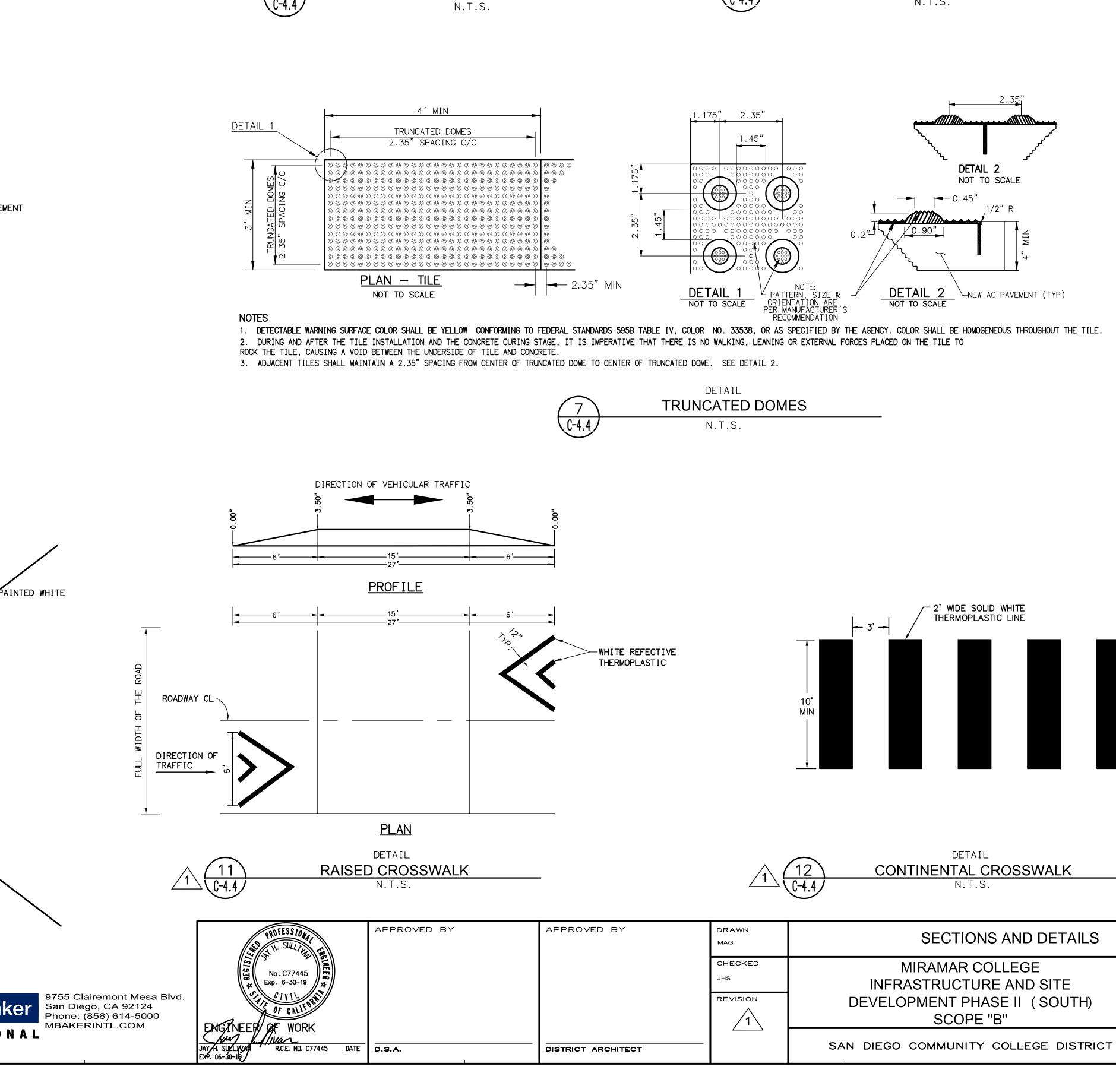
NOTE: 1. FOR EXPOSED CONCRETE FINISHES, SEE LANDSCAPE

- 2. SCORE JOINTS @ 5' INTERVALS, WEAKENED PLANE JOINTS @ 15' INTERVALS, EXPANSION JOINTS @ END OF RETURN AND @ 60' INTERVALS.
- 3. SCARIFY TO 8 INCHES OF SUBGRADE AND COMPACT TO 90% RELATIVE COMPACTION.









NOTES:

THICK ALUMINUM.

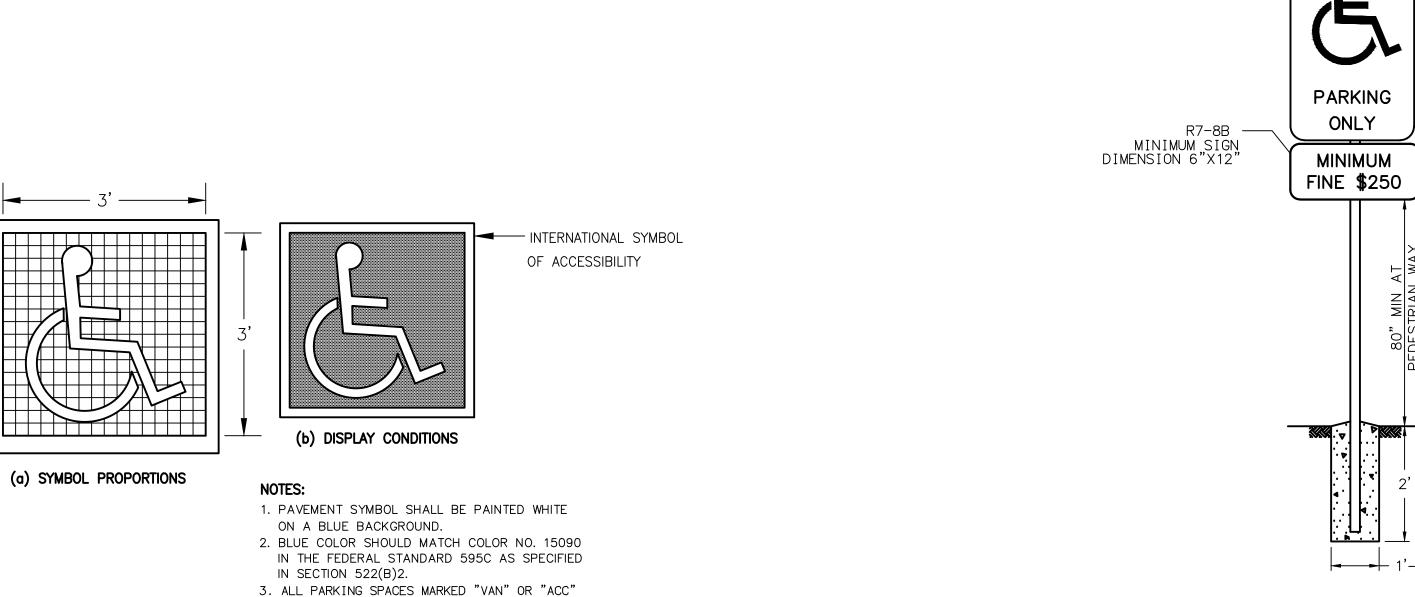
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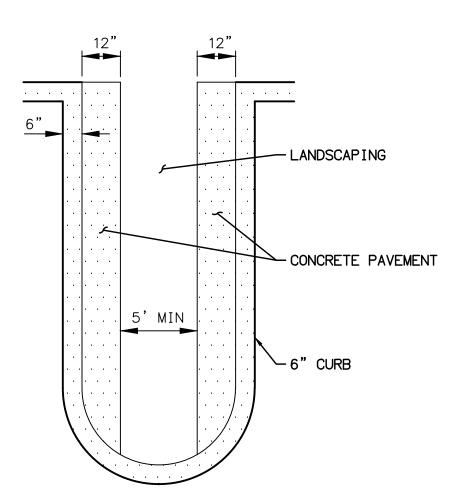
REFLECTORIZED WHITE, ON A BLUE BACKGROUND.

DETAIL

\ ACCESSABLE PARKING SIGN IMPROVEMENTS







ON THIS PLAN SHALL FOLLOW THIS DETAIL

