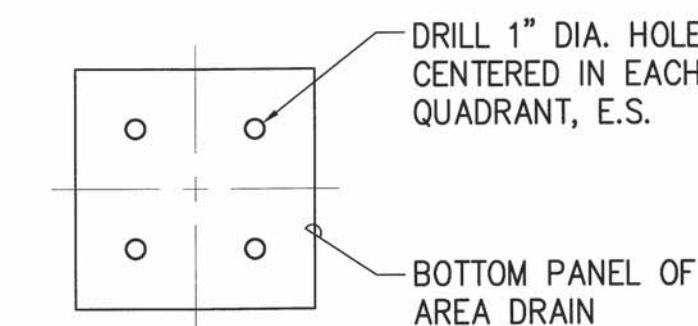
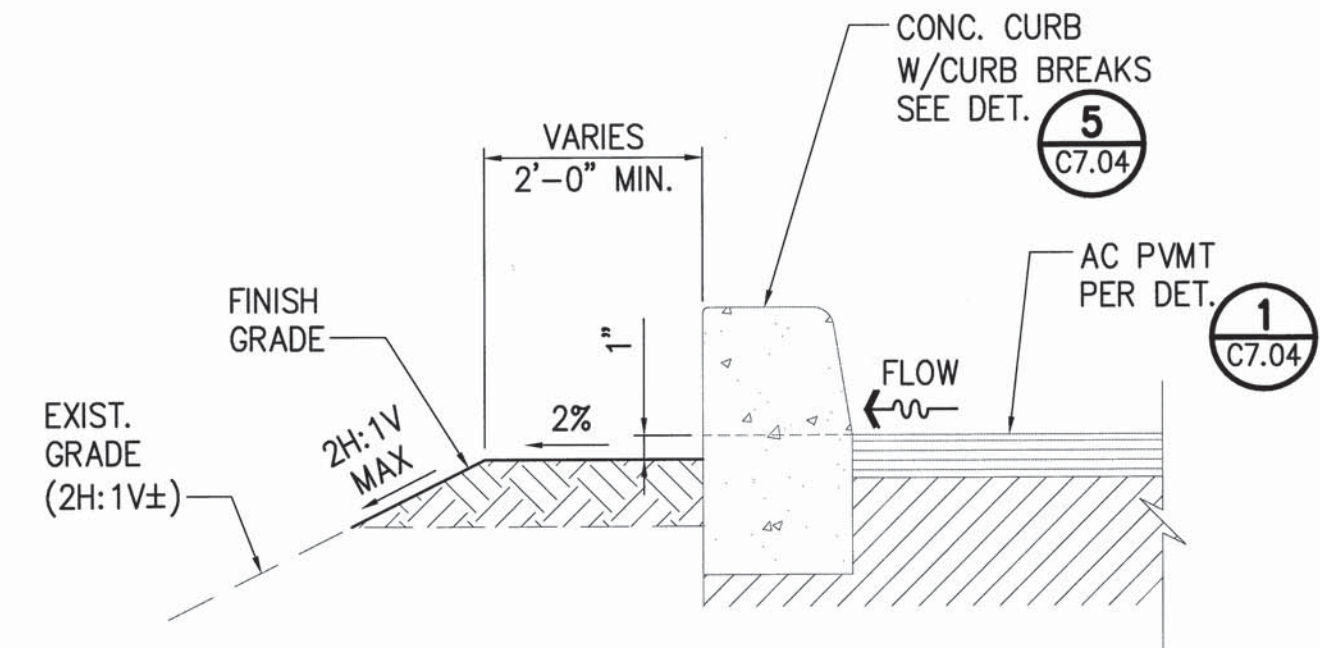


SECTION

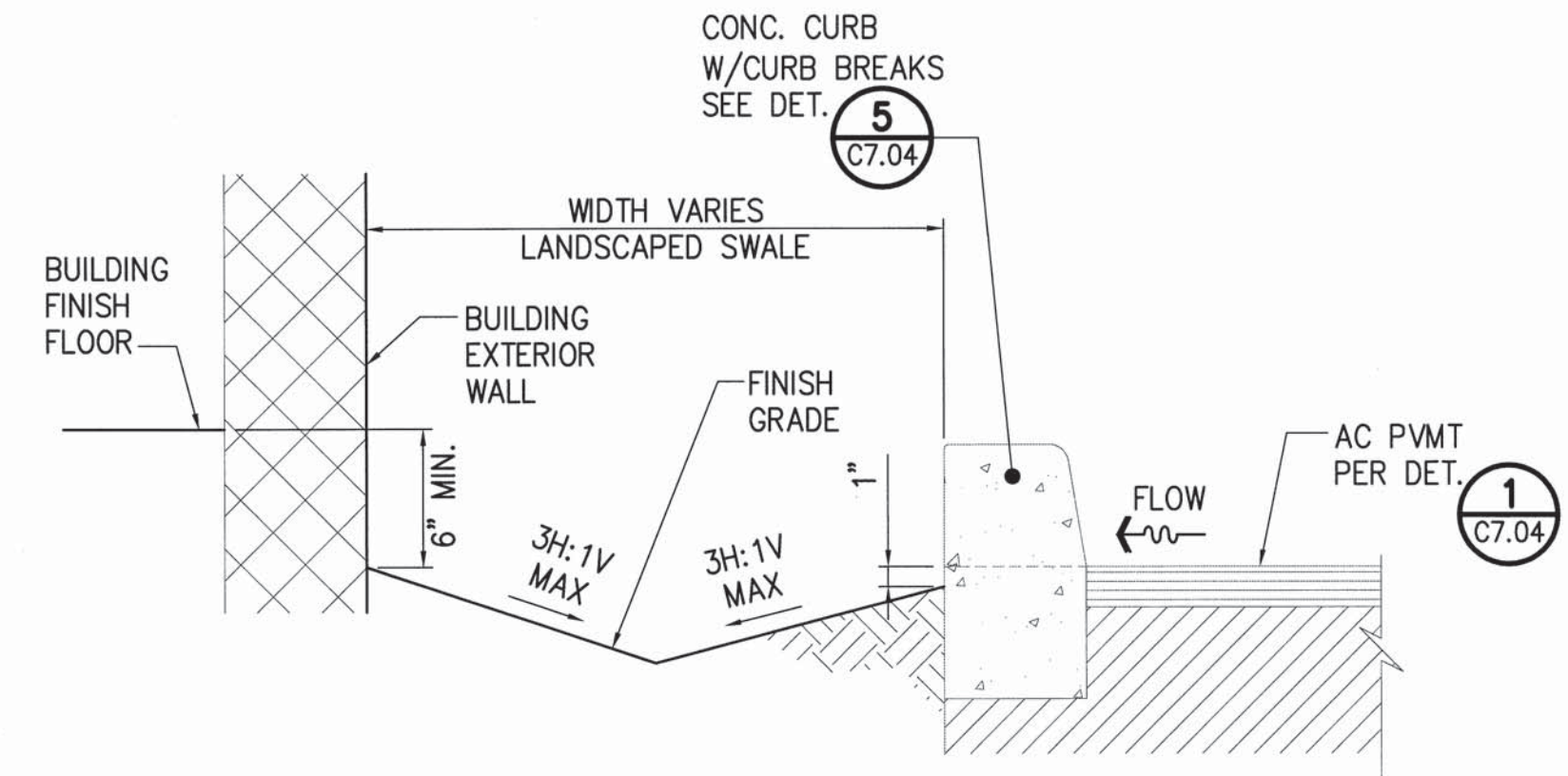


BOTTOM PANEL PLAN
(FOR INFILTRATION CHAMBER VENT ONLY)

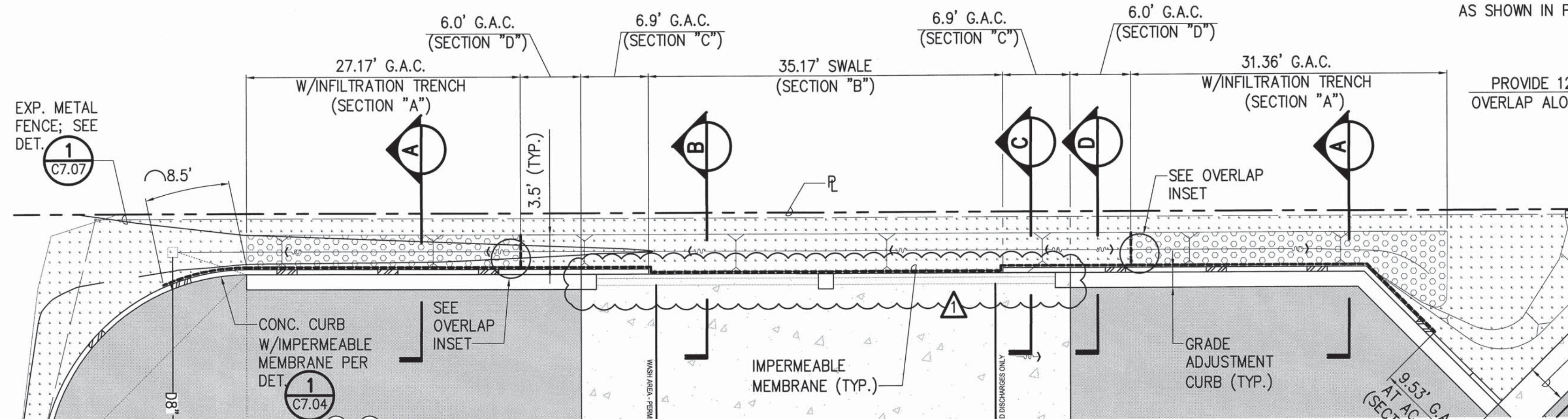
1 AREA DRAIN
C7.03 NOT TO SCALE



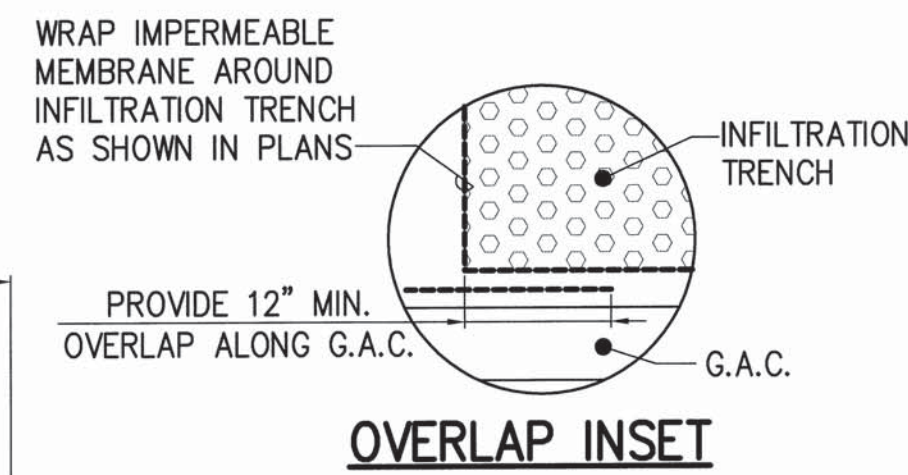
2 SECTION - DAYLIGHT ALONG EXIST. SLOPE
C7.03 NOT TO SCALE



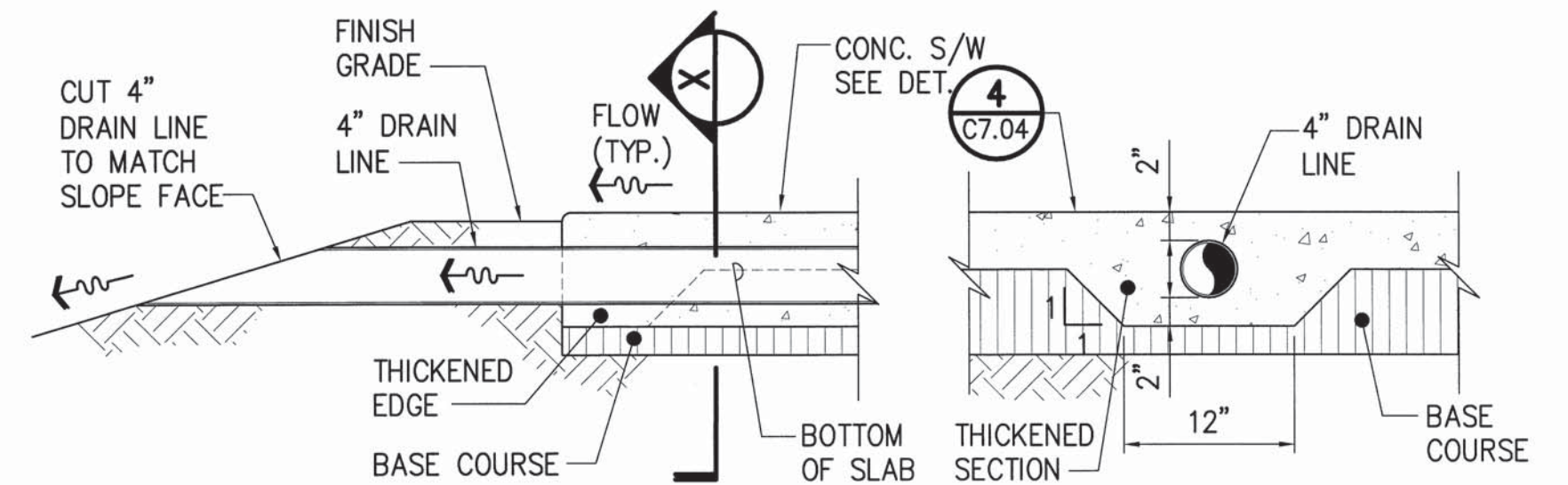
3 SECTION - GRADING ALONG BUILDING
C7.03 NOT TO SCALE



PLAN - GRADE ADJUSTMENT CURB (G.A.C.)



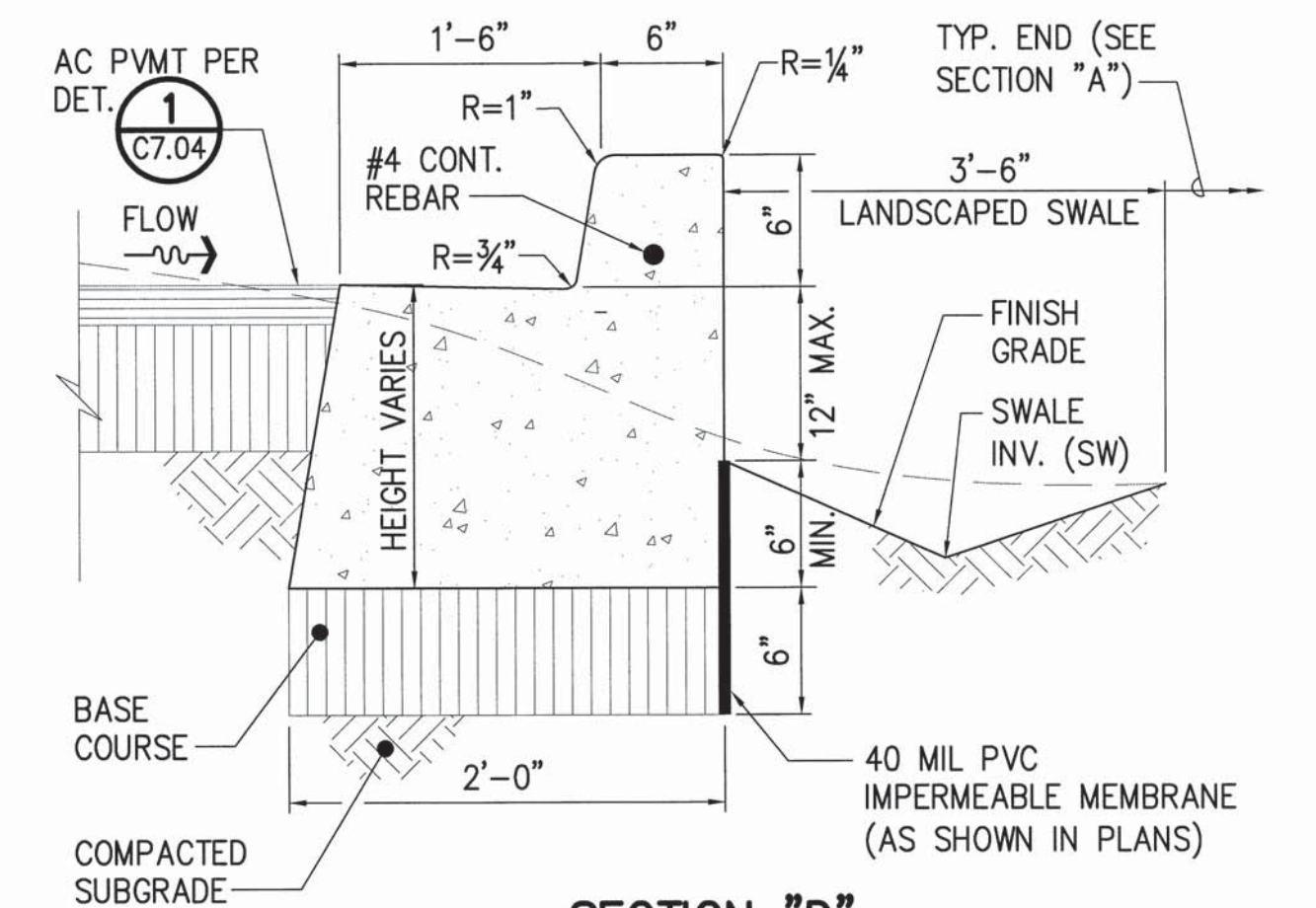
OVERLAP INSET



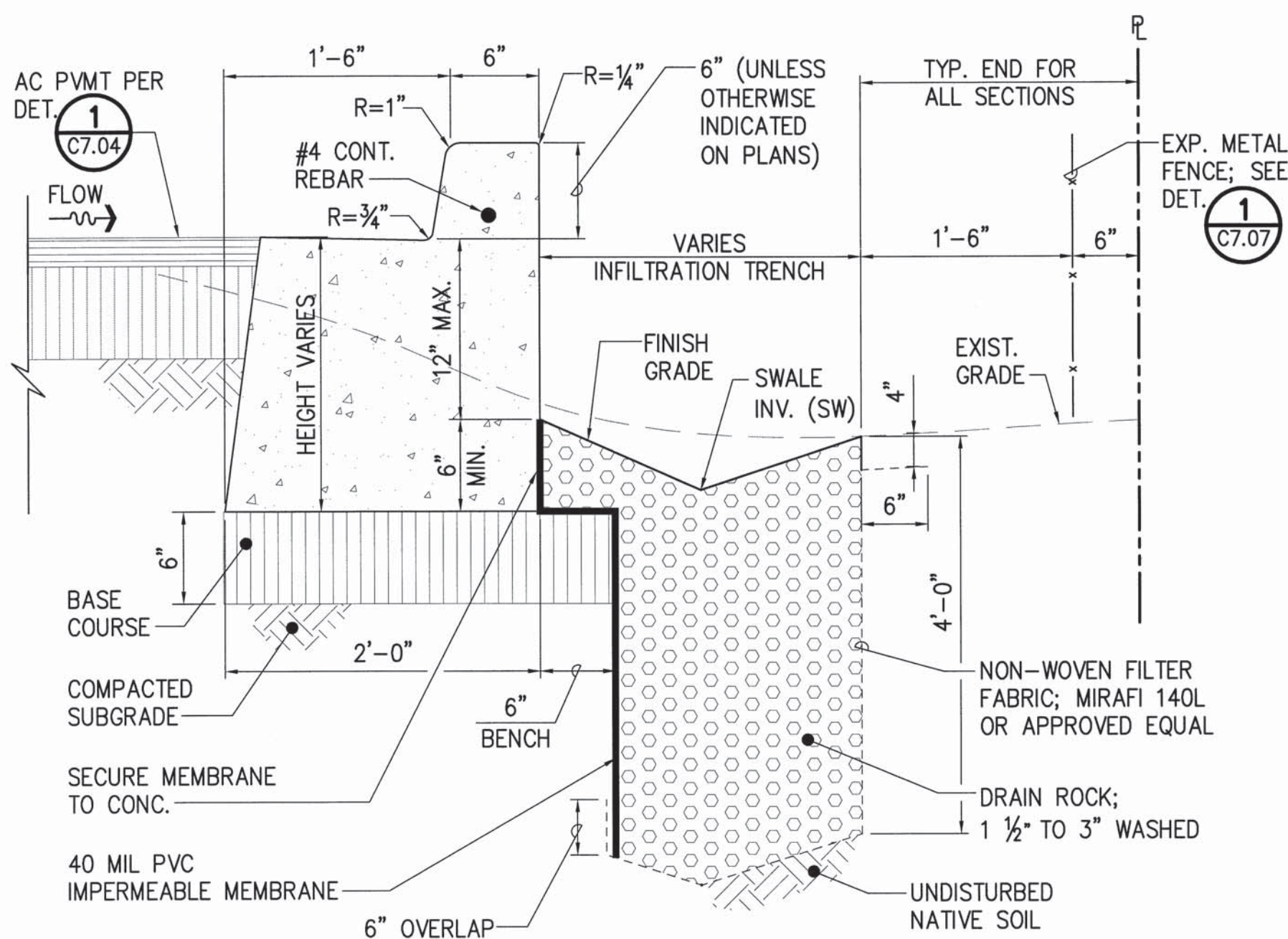
ELEVATION

SECTION "X"

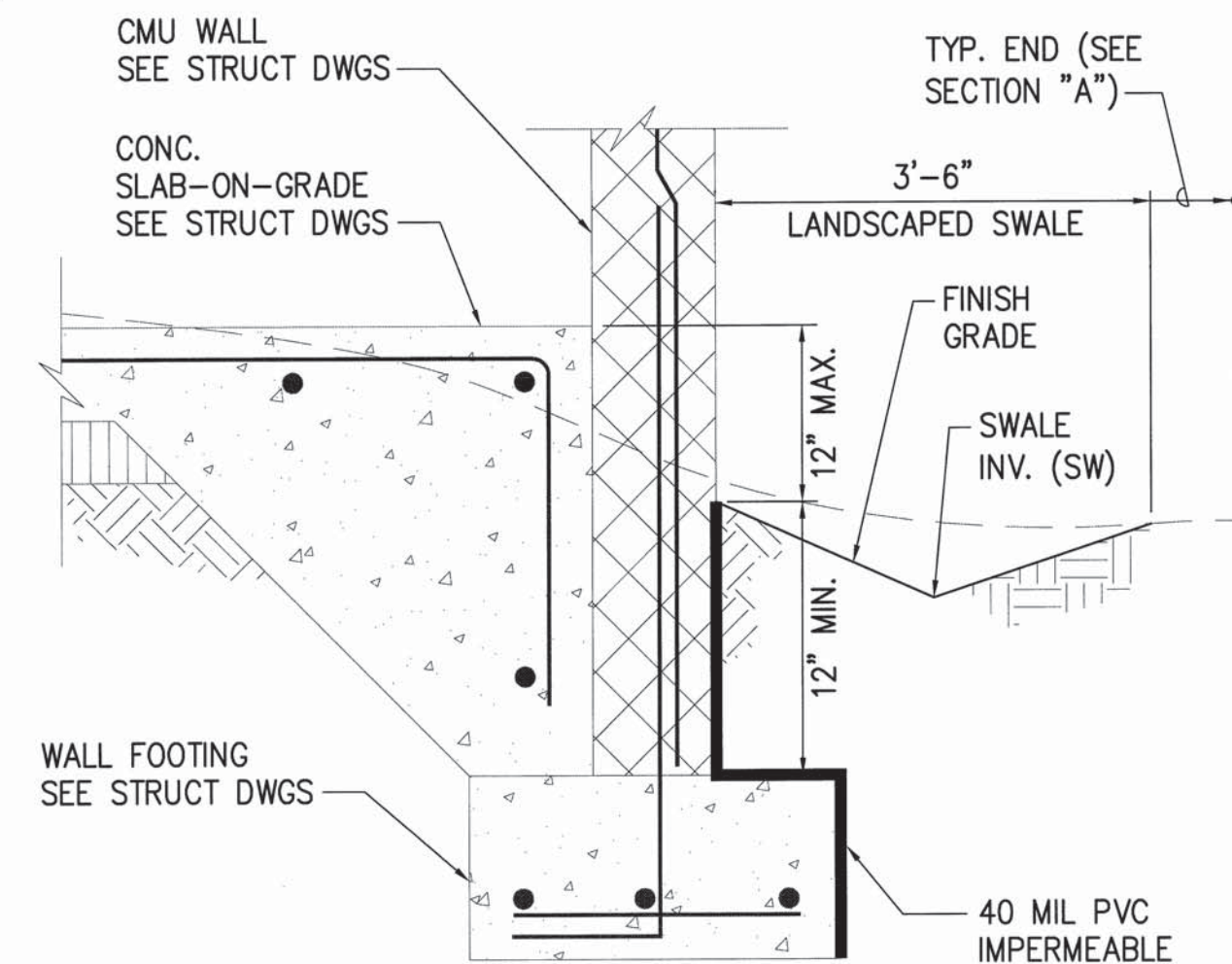
4 DOWNSPOUT OUTLET
C7.03 NOT TO SCALE



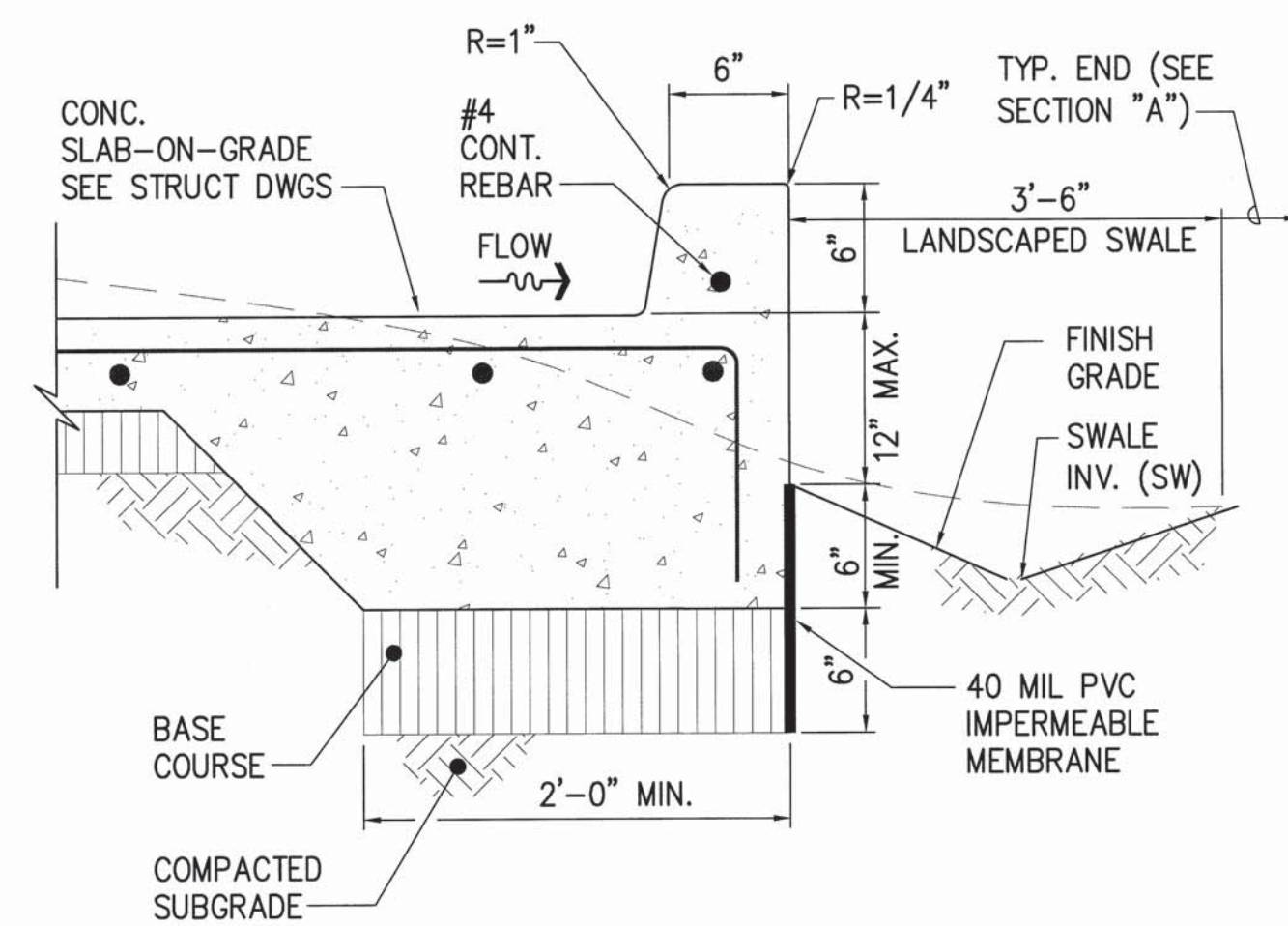
SECTION "D"
GRADE ADJUSTMENT CURB AT AC PVMT



SECTION "A"
GRADE ADJUSTMENT CURB W/INFILTRATION TRENCH



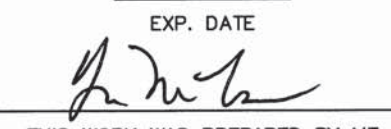
SECTION "B"
SWALE AT CMU WALL



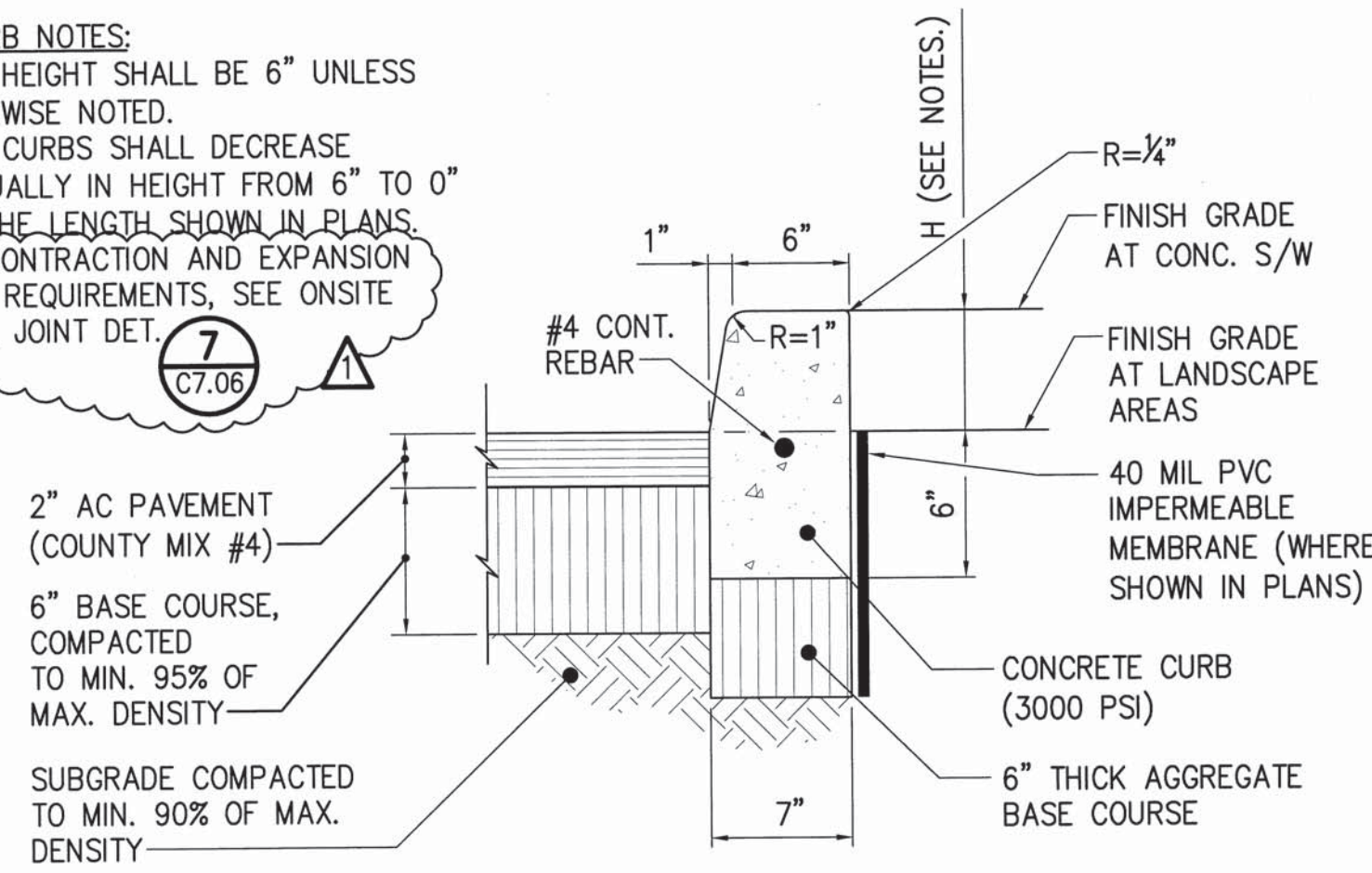
SECTION "C"
GRADE ADJUSTMENT CURB AT CONC. SLAB

- NOTES:
- FOR REQUIRED ELEVATIONS SEE GRADING AND DRAINAGE PLAN, DWG. C4.01.
 - FOR PLANTING PLAN SEE LANDSCAPE DWGS.
 - FOR CONTRACTION AND EXPANSION JOINT REQUIREMENTS, SEE ONSITE CONC. JOINT DET.

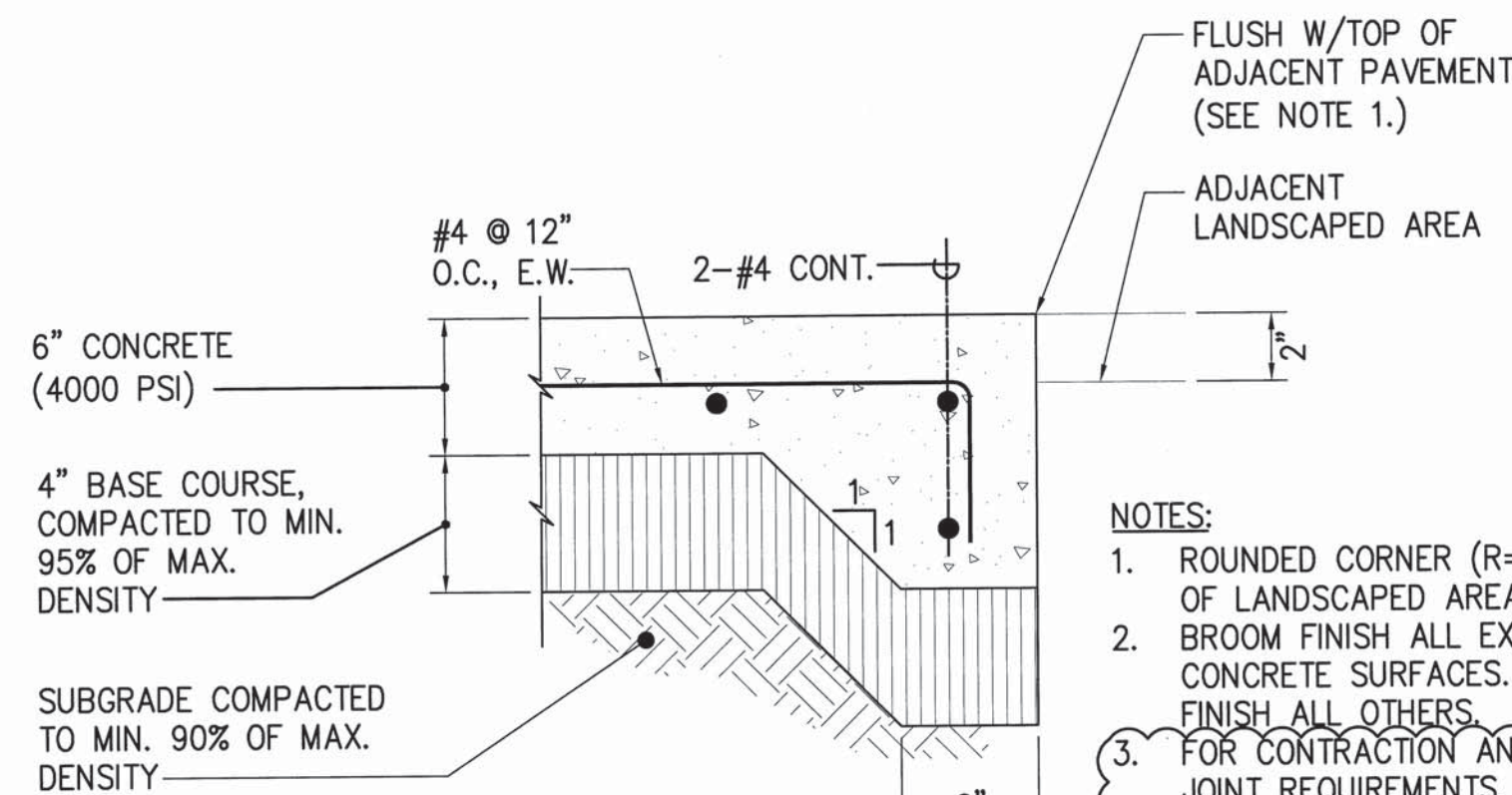
5 GRADE ADJUSTMENT CURB
C7.03 NOT TO SCALE

1	▲	BID AMENDMENT NO. 1	14/53	04/15/16	✓
REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
MAUI OFFICE ANNEX WAILUKU, MAUI, HAWAII					
DETAILS - 4					
DESIGNED:	CJ	SUBMITTED:			
DRAWN:	CJ	DATE:	03/15/2016		
CHECKED:	YT	SCALE:	AS SHOWN		
APPROVED:			DRAWING NO.		
CHIEF ENGINEER			APR 19 2016	C7.03	

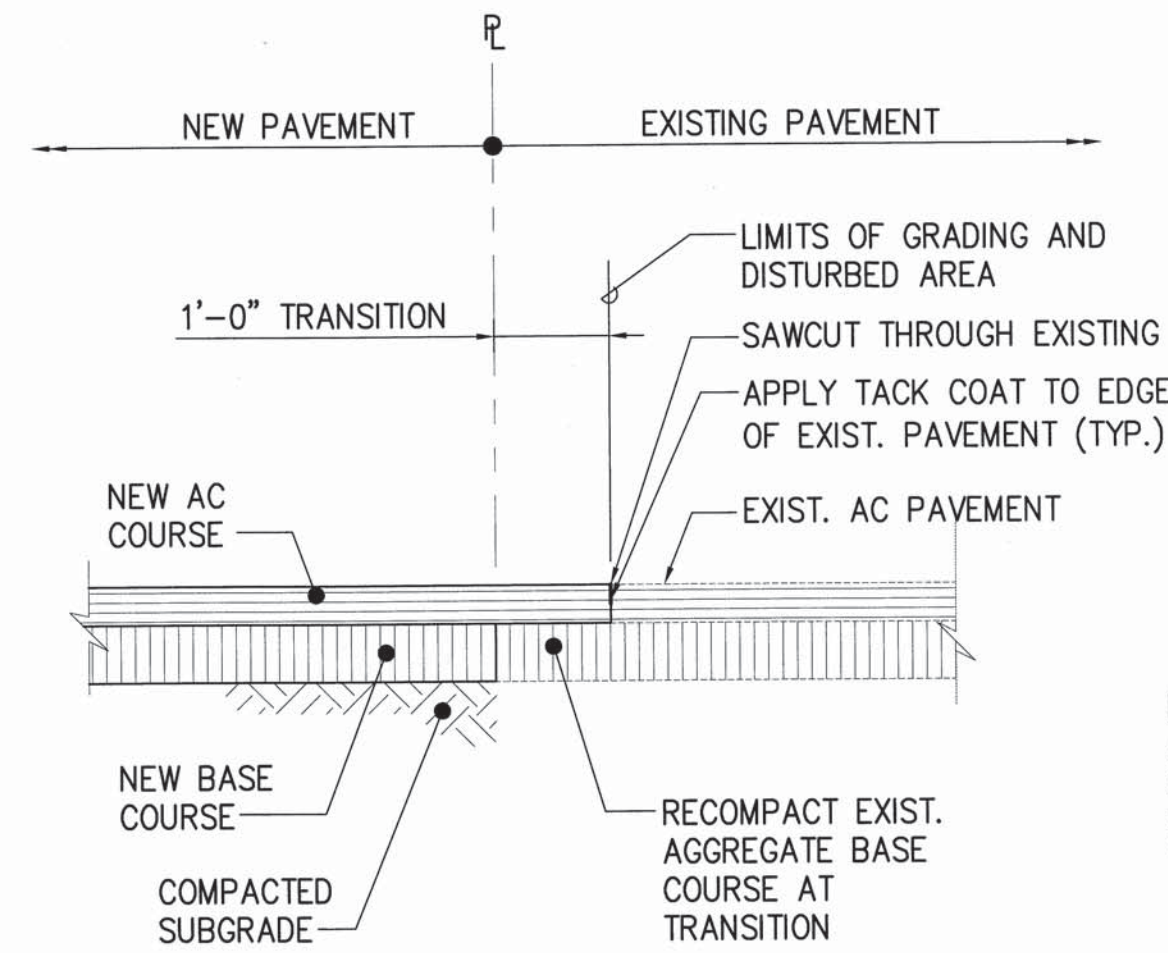
- CONC. CURB NOTES:**
1. CURB HEIGHT SHALL BE 6" UNLESS OTHERWISE NOTED.
 2. DROP CURBS SHALL DECREASE GRADUALLY IN HEIGHT FROM 6" TO 0" FOR THE LENGTH SHOWN IN PLANS.
 3. FOR CONTRACTION AND EXPANSION JOINT REQUIREMENTS, SEE ONSITE CONC. JOINT DET.



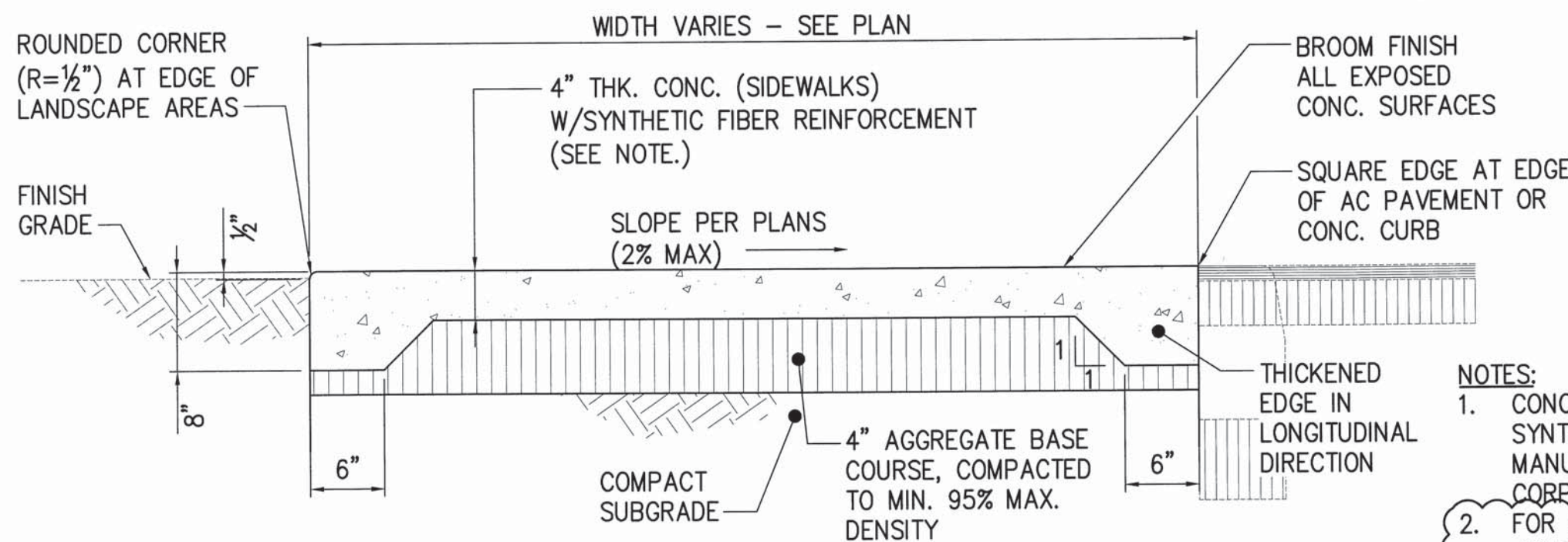
1 CONCRETE CURB & AC PAVEMENT
C7.04 NOT TO SCALE



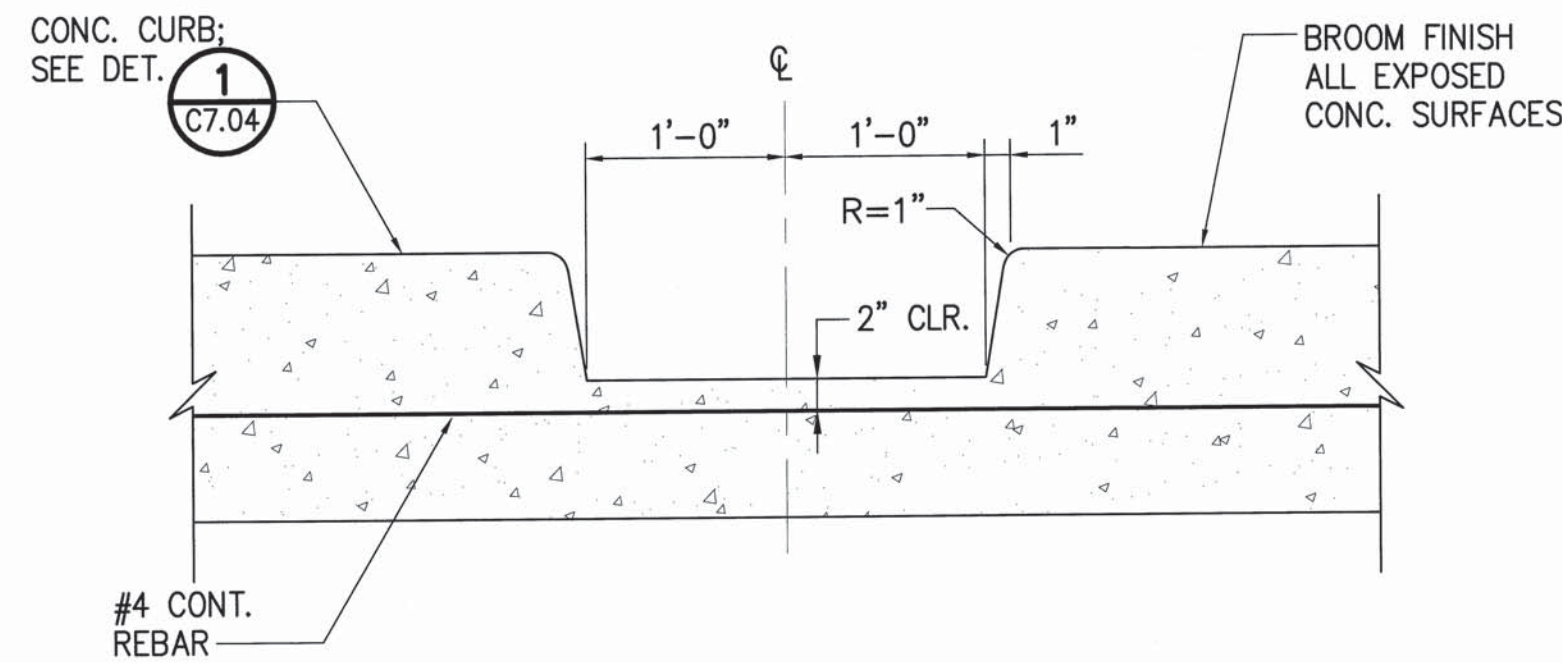
2 CONCRETE PAVEMENT
C7.04 NOT TO SCALE



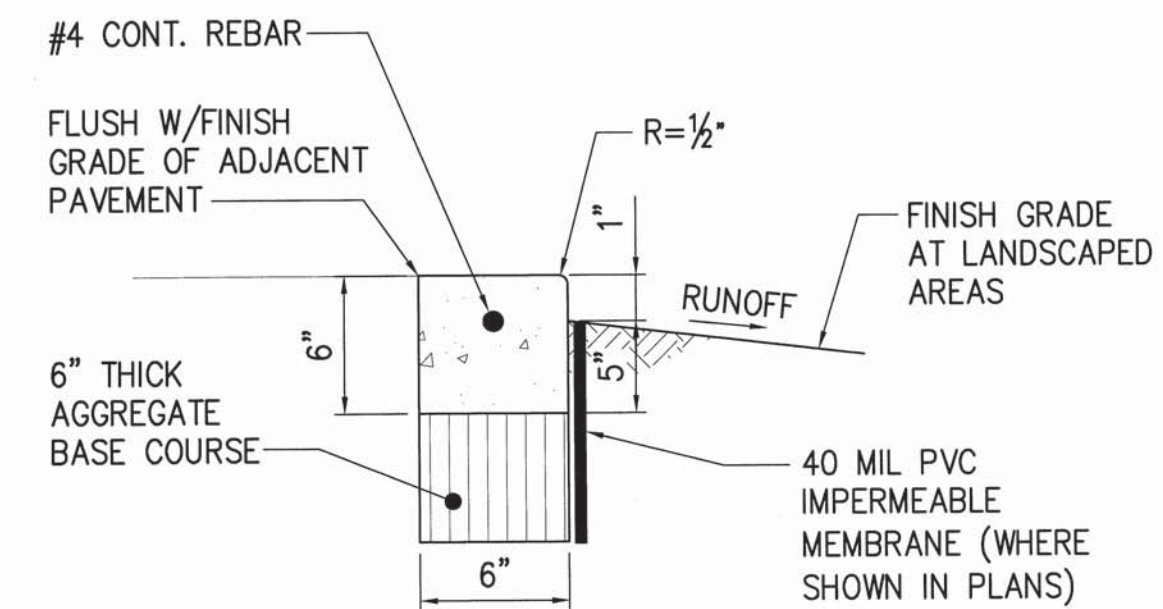
3 SMOOTH RIDING CONNECTION DETAIL
C7.04 NOT TO SCALE



4 CONC. SIDEWALK DETAIL
C7.04 NOT TO SCALE

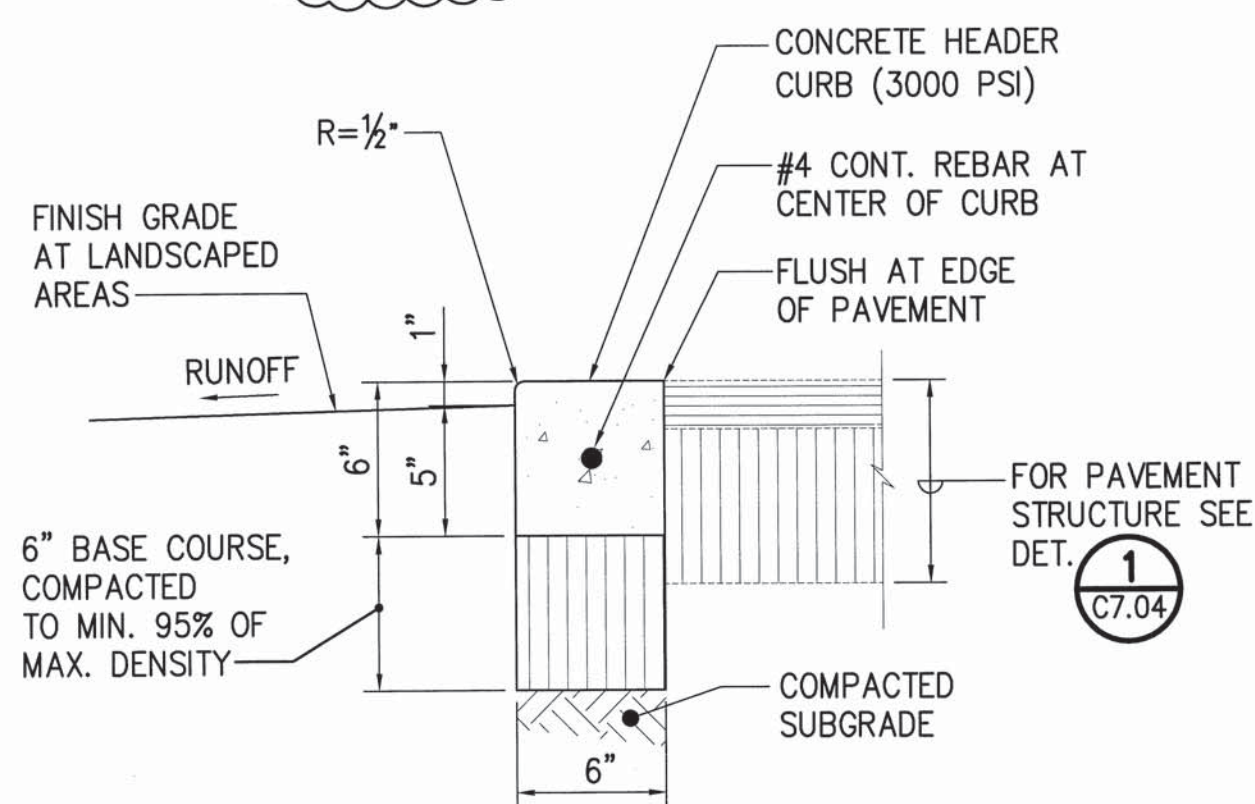


ELEVATION

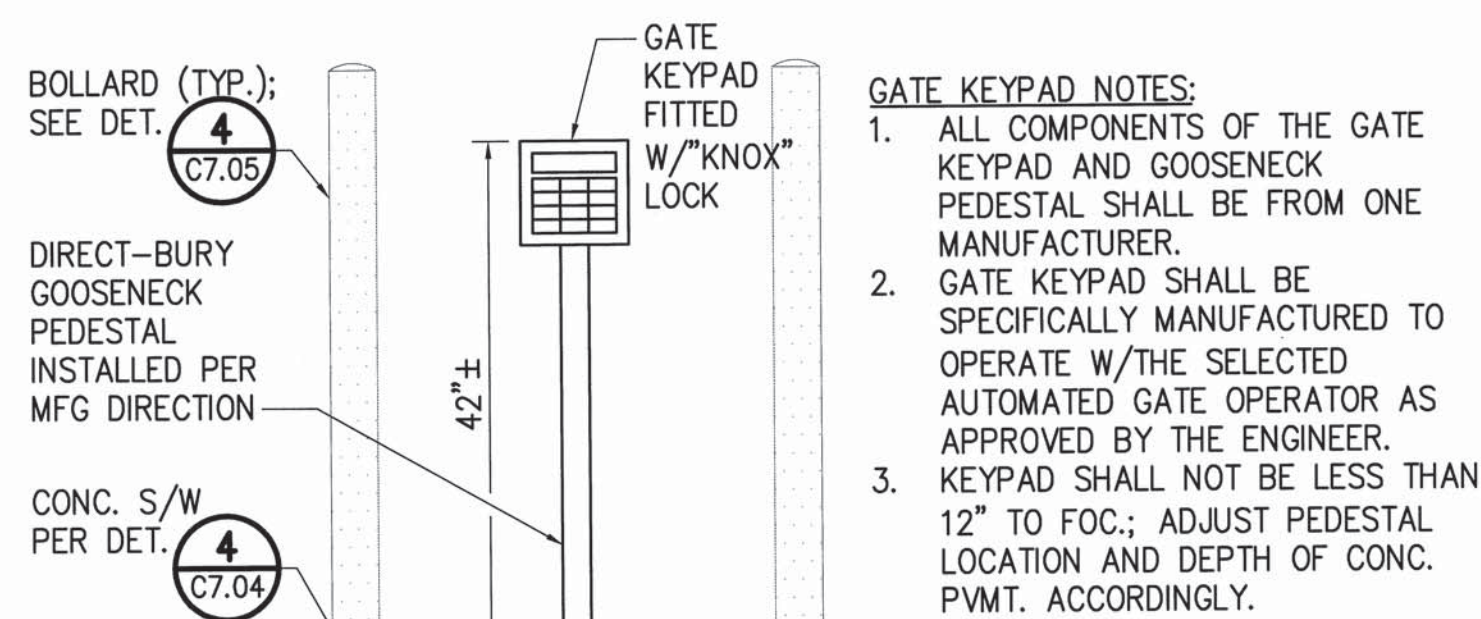


SECTION

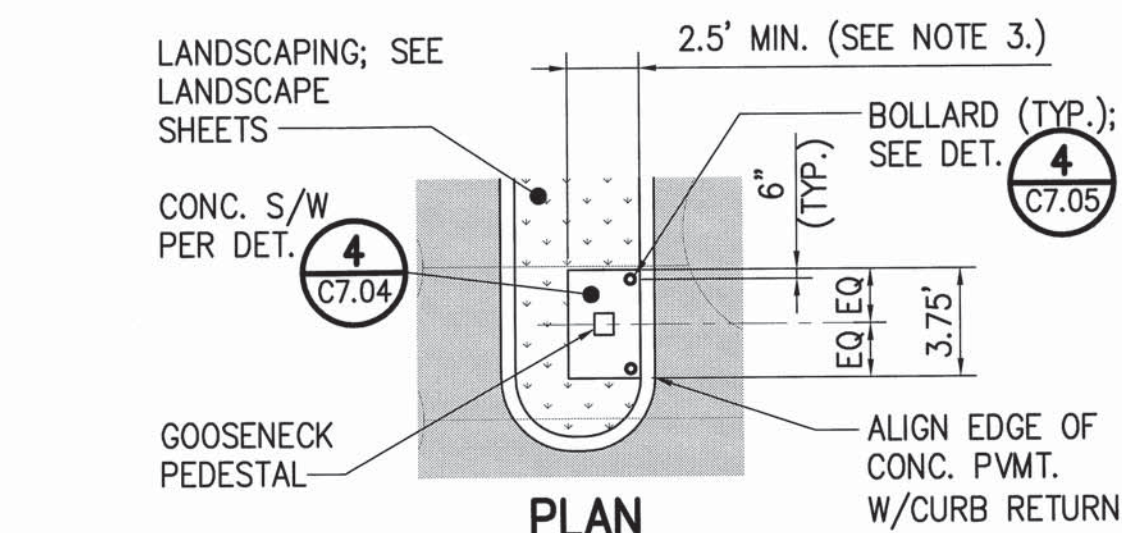
- NOTES:**
1. FOR CONTRACTION AND EXPANSION JOINT REQUIREMENTS, SEE ONSITE CONC. JOINT DET.



6 CONCRETE HEADER DETAIL
C7.04 NOT TO SCALE

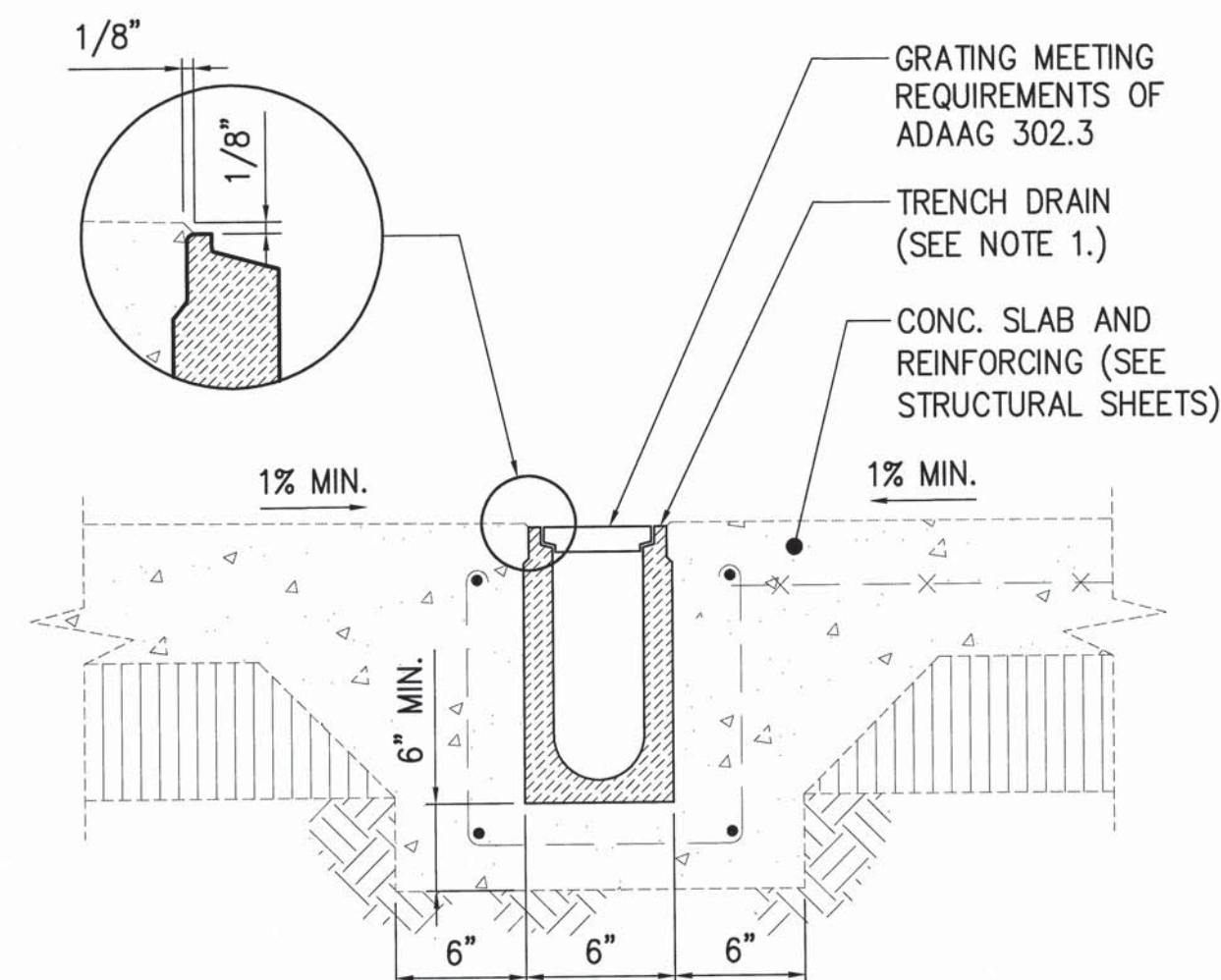


ELEVATION



PLAN

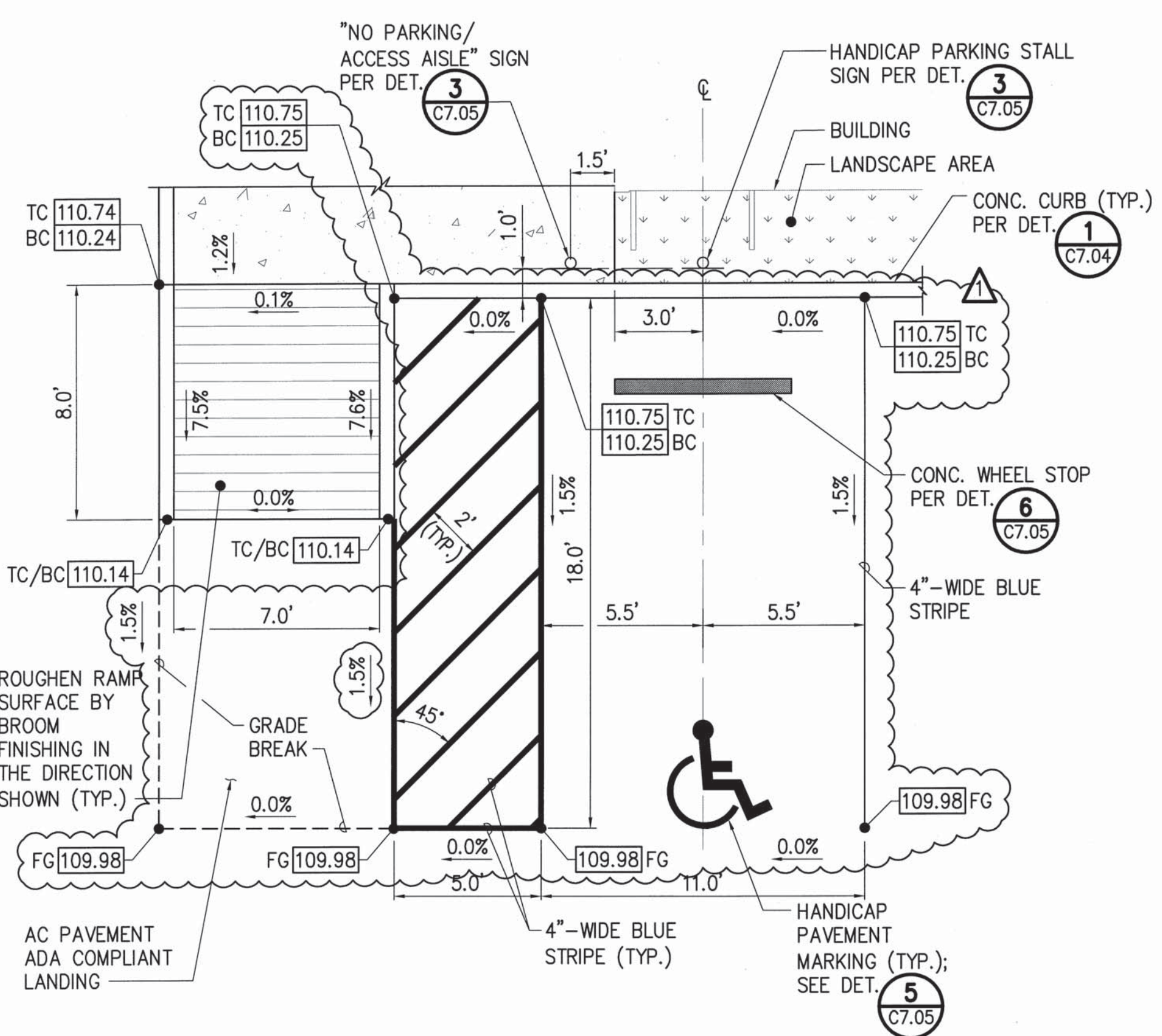
7 GATE KEYPAD DETAIL
C7.04 NOT TO SCALE



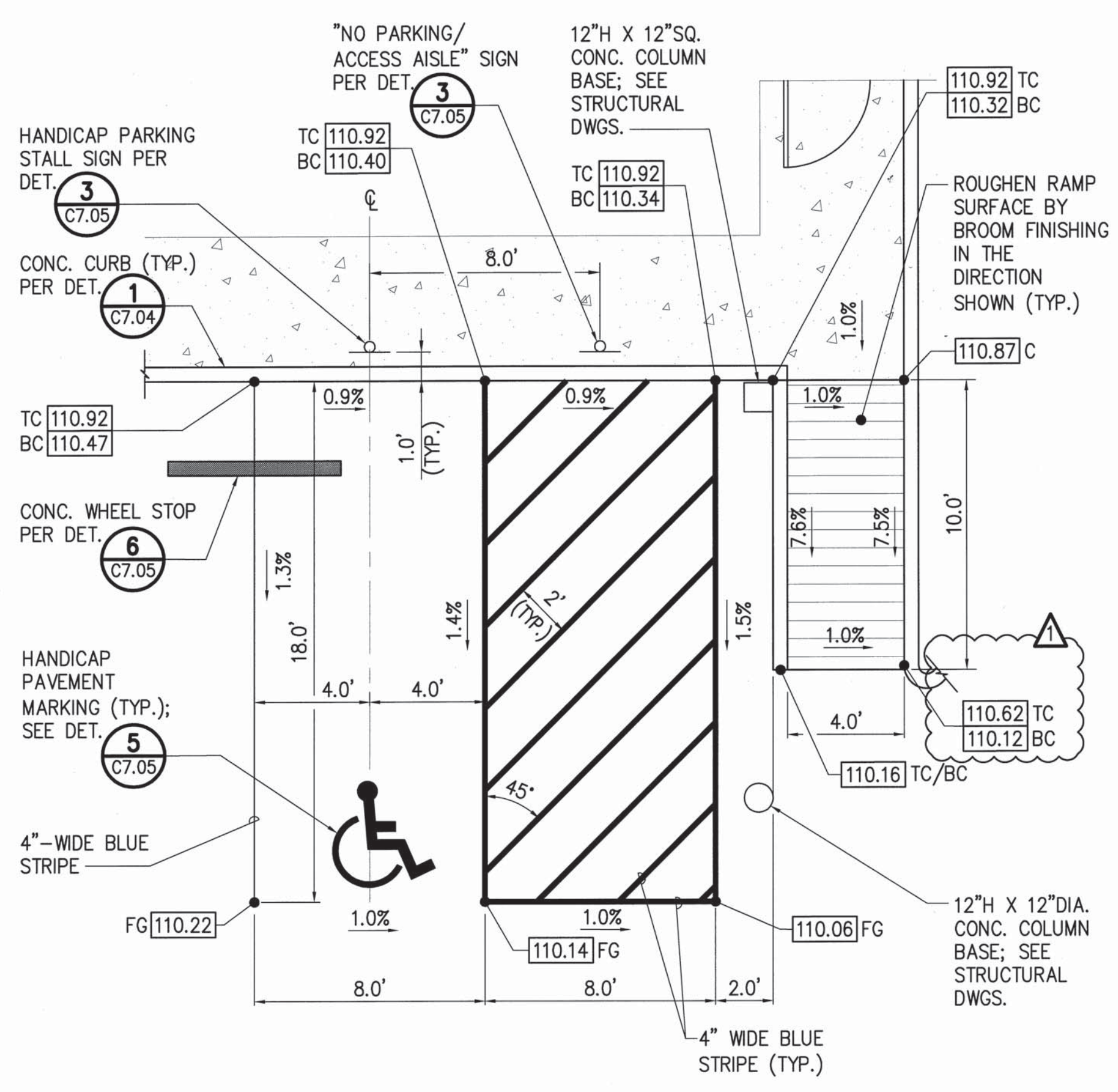
8 TRENCH DRAIN DETAIL
C7.04 NOT TO SCALE

- TRENCH DRAIN NOTES:**
1. ALL COMPONENTS OF THE TRENCH DRAIN AND GRATING SHALL BE PRE-ENGINEERED AND BE FROM ONE MANUFACTURER (ACO S100K POWER DRAIN OR APPROVED EQUAL).
 2. SEE GRADING AND DRAINAGE PLAN FOR ADDITIONAL INFORMATION.

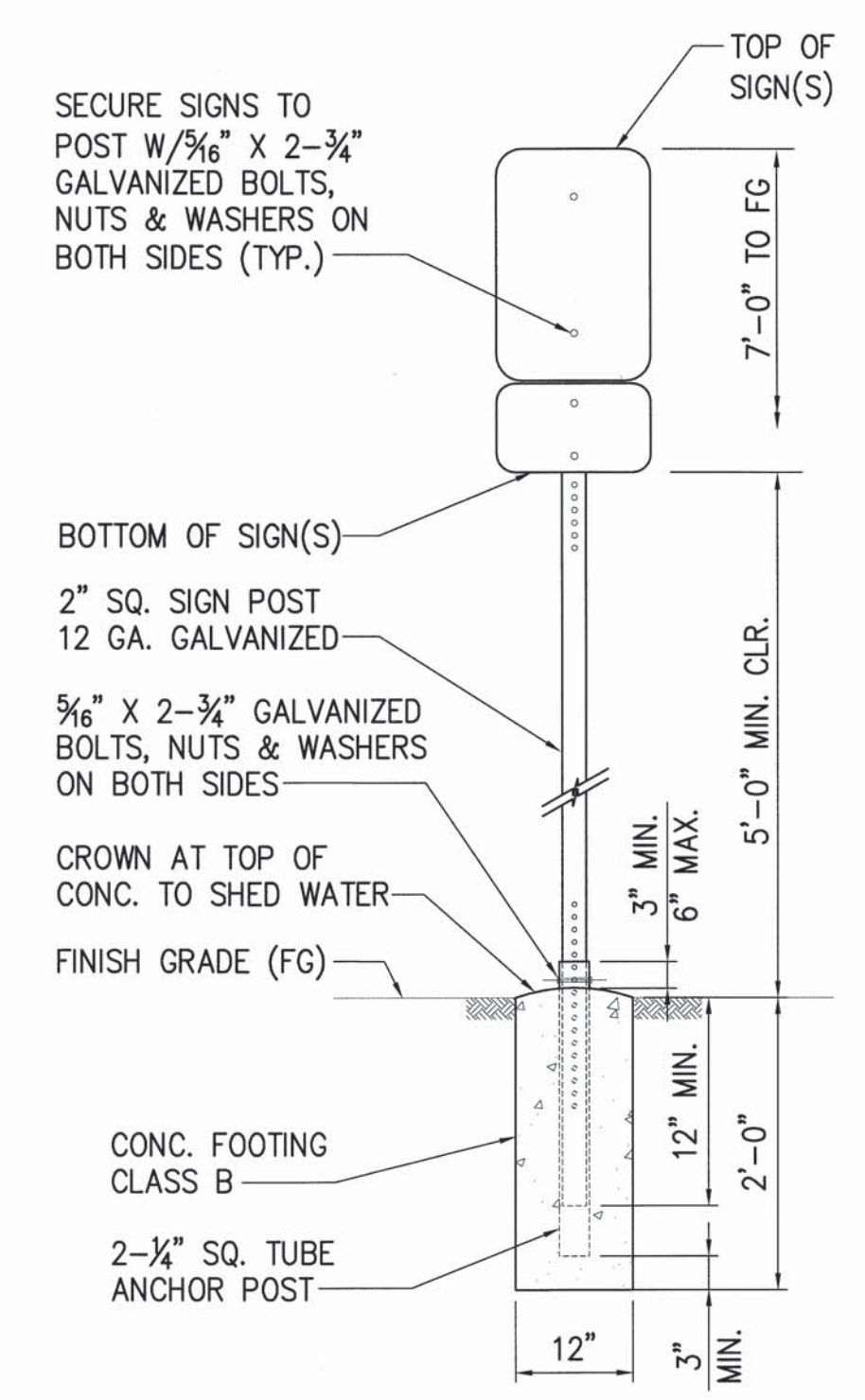
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
1		BID AMENDMENT NO. 1	15/53	04/15/16	
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
MAUI OFFICE ANNEX WAILUKU, MAUI, HAWAII					
DETAILS - 5					
DESIGNED:	YT	SUBMITTED:			
DRAWN:	YT	DATE:	03/15/2016		
CHECKED:	YT	SCALE:	AS SHOWN		
APPROVED:	<i>Cyly</i>		DATE:	APR 19 2016	
CHIEF ENGINEER				C7.04	



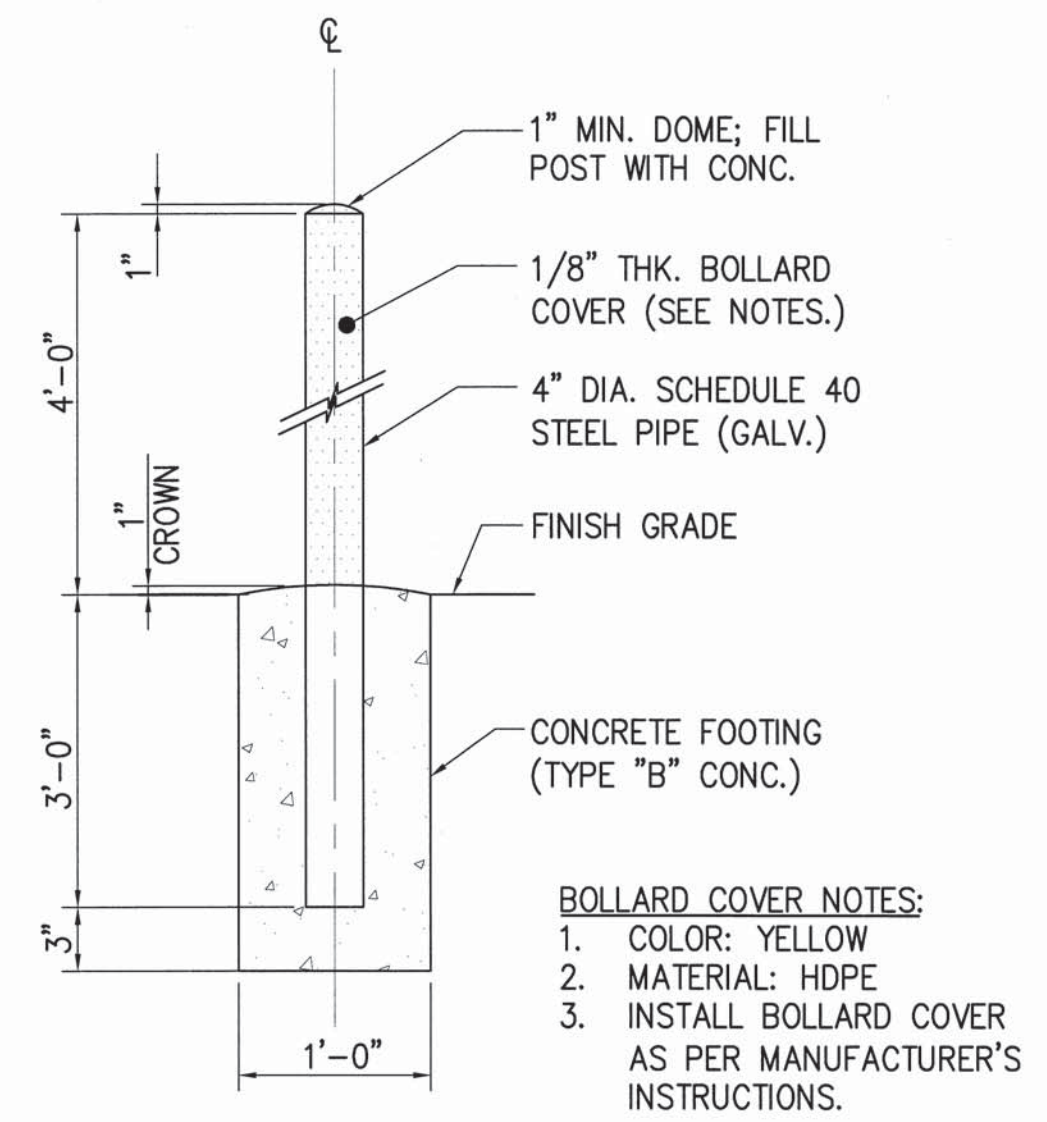
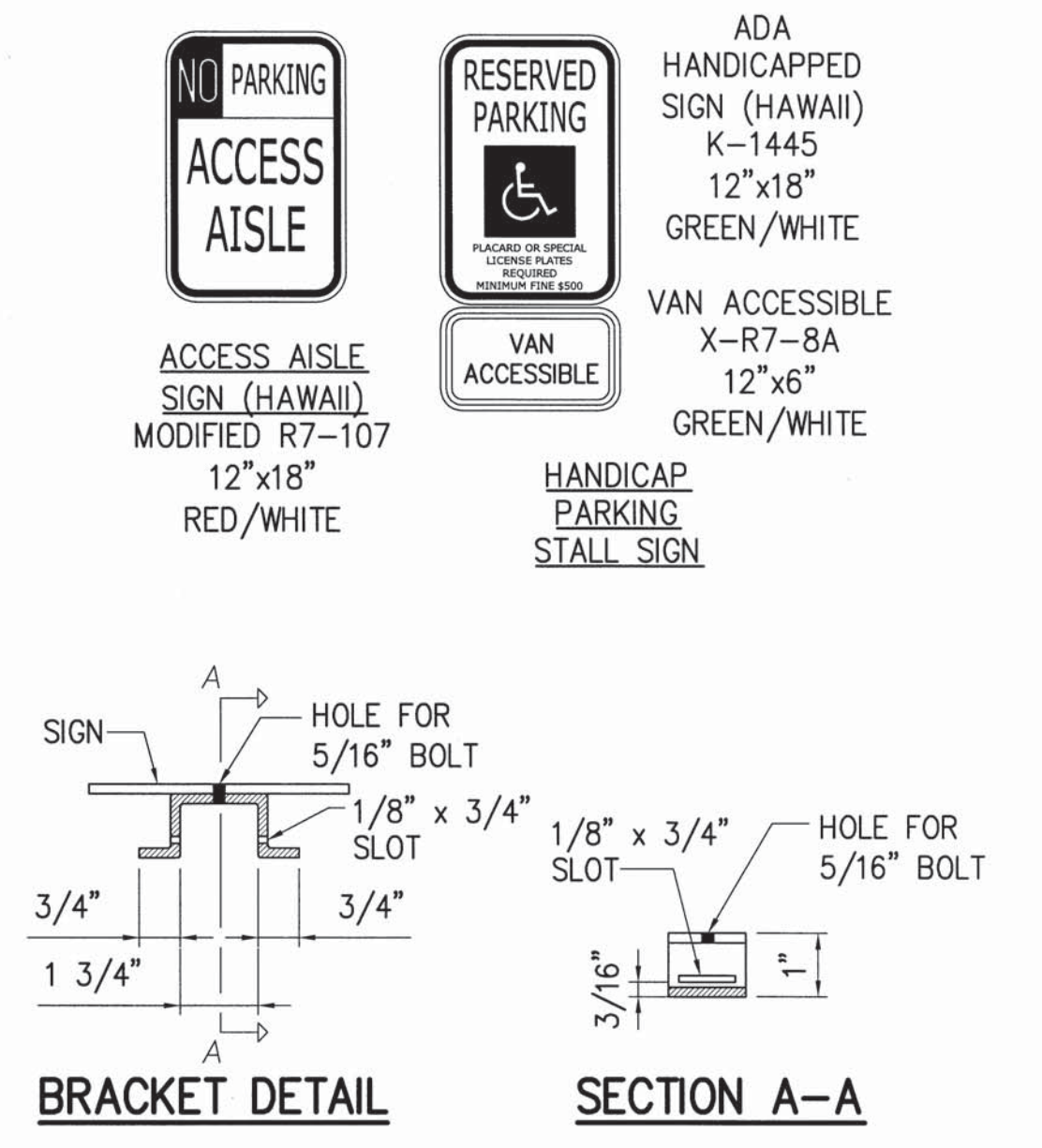
1 HANDICAP PARKING AND RAMPS DETAIL
C7.05 SCALE: 1/4" = 1'-0"



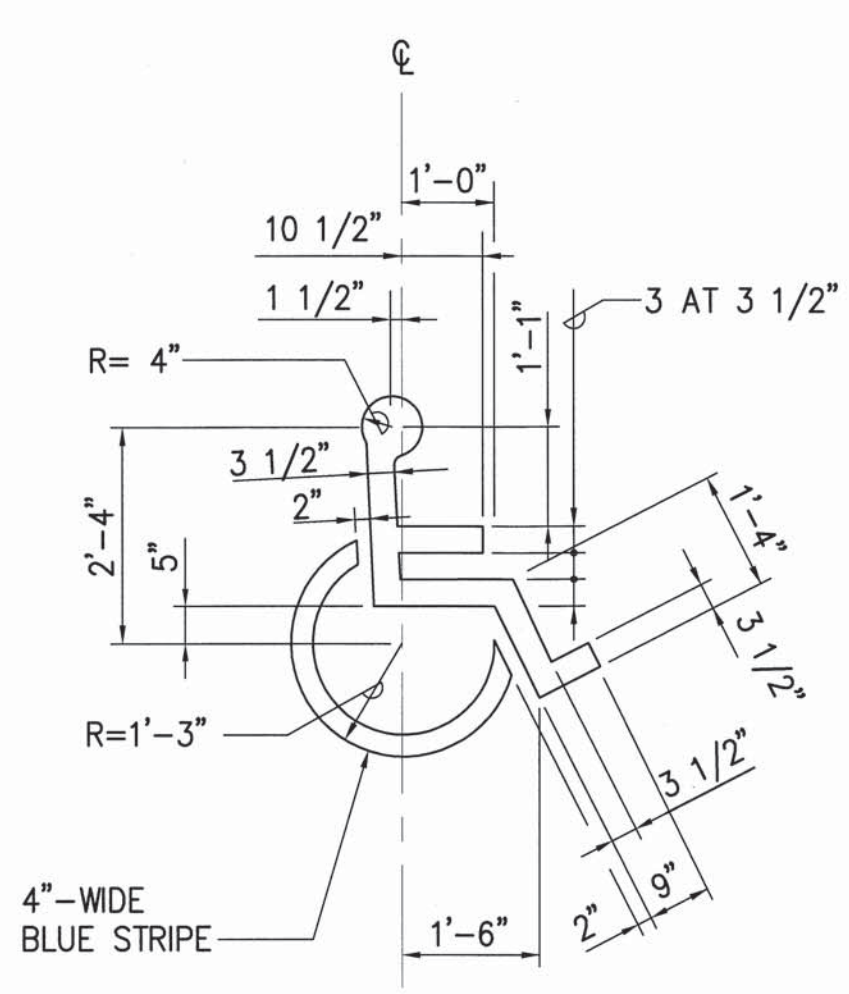
2 HANDICAP PARKING AND RAMP DETAIL
C7.05 SCALE: 1/4" = 1'-0"



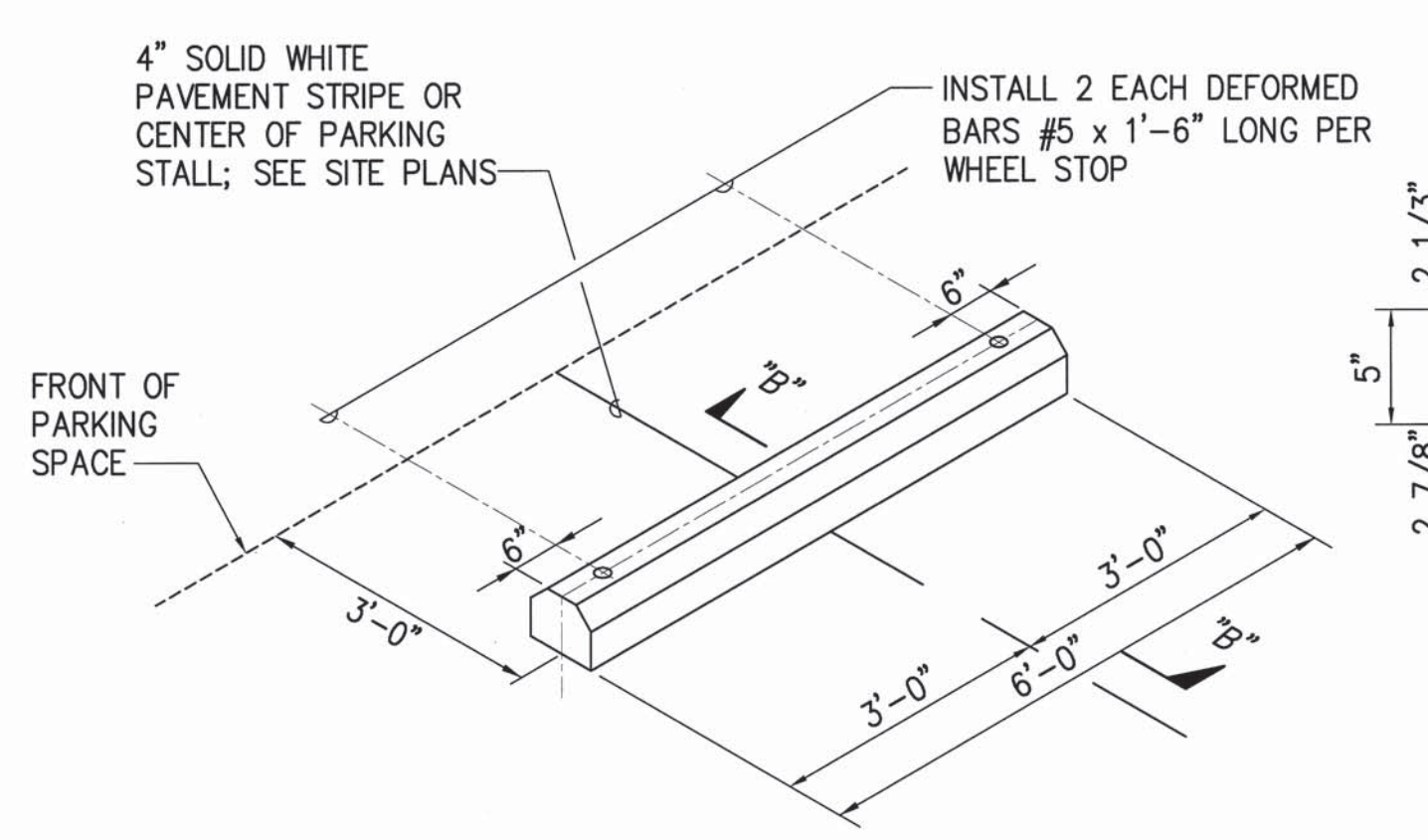
3 HANDICAP PARKING SIGN DETAIL
C7.05 SCALE: 1/4" = 1'-0"



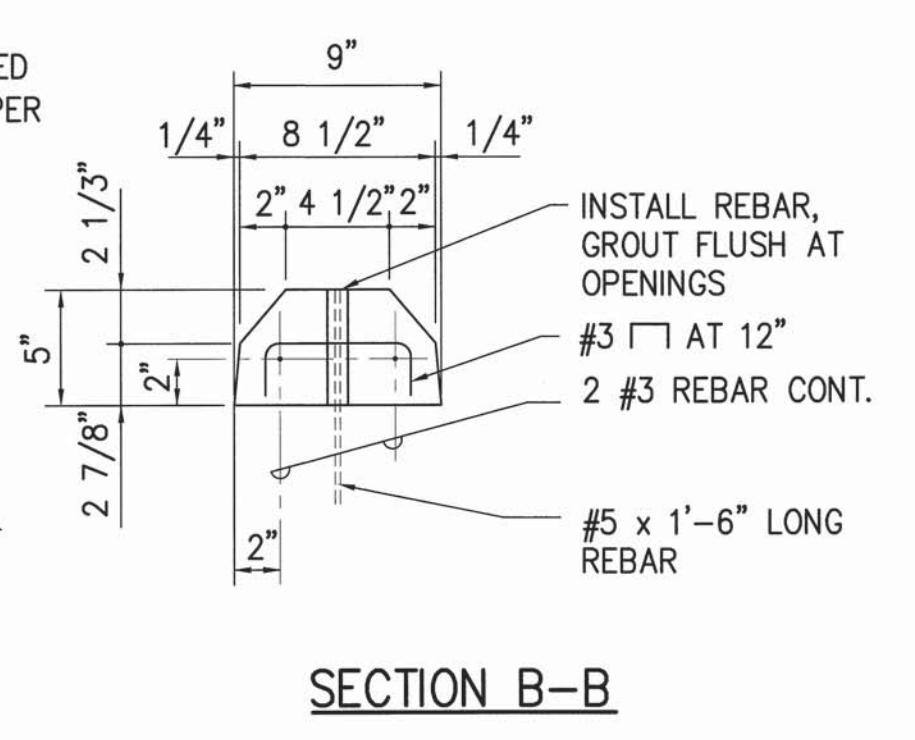
4 BOLLARD DETAIL
C7.05 NOT TO SCALE



5 HANDICAP PAVEMENT MARKING DETAIL
C7.05 NOT TO SCALE



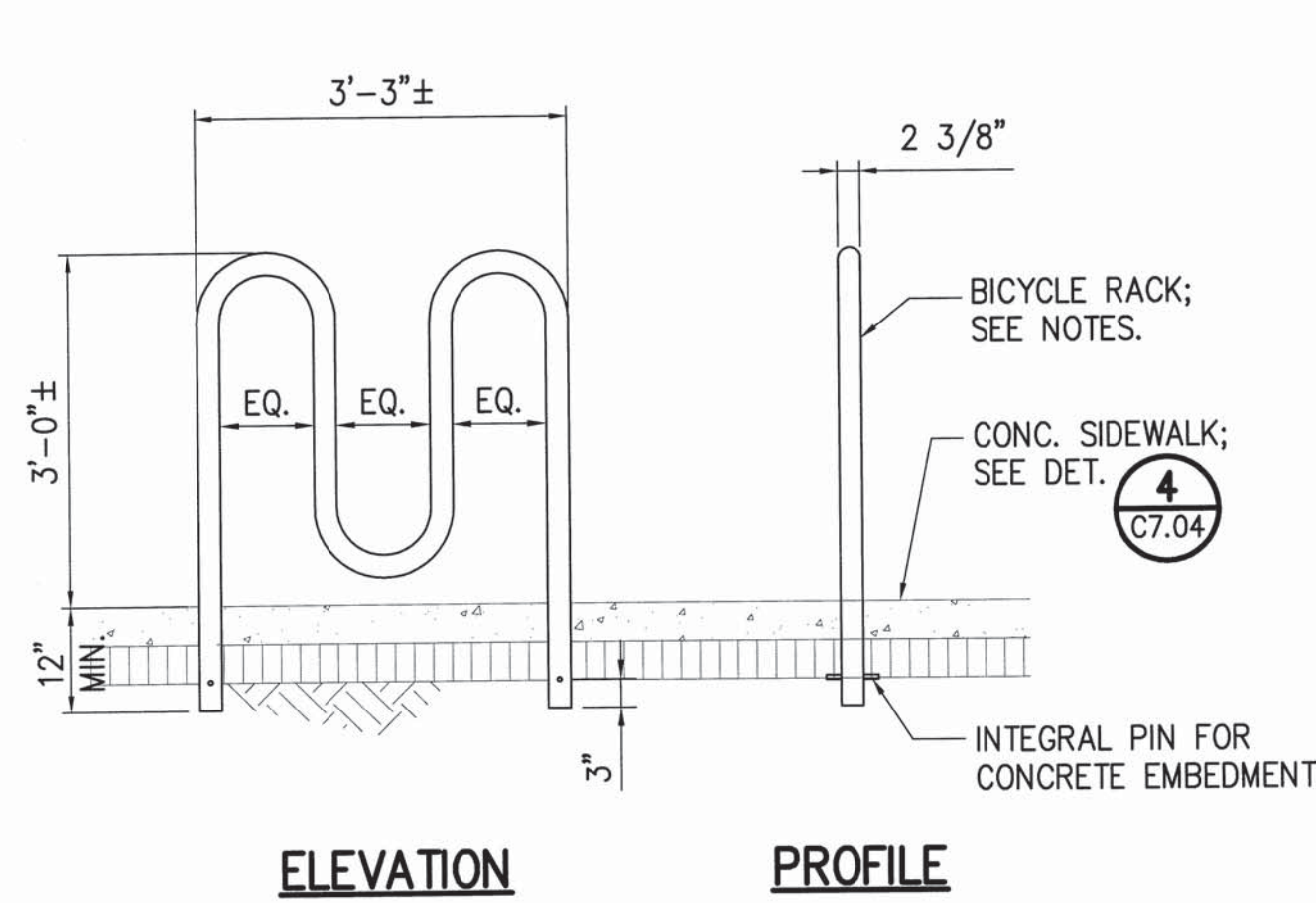
6 CONCRETE WHEEL STOP DETAIL
C7.05 NOT TO SCALE



SECTION B-B

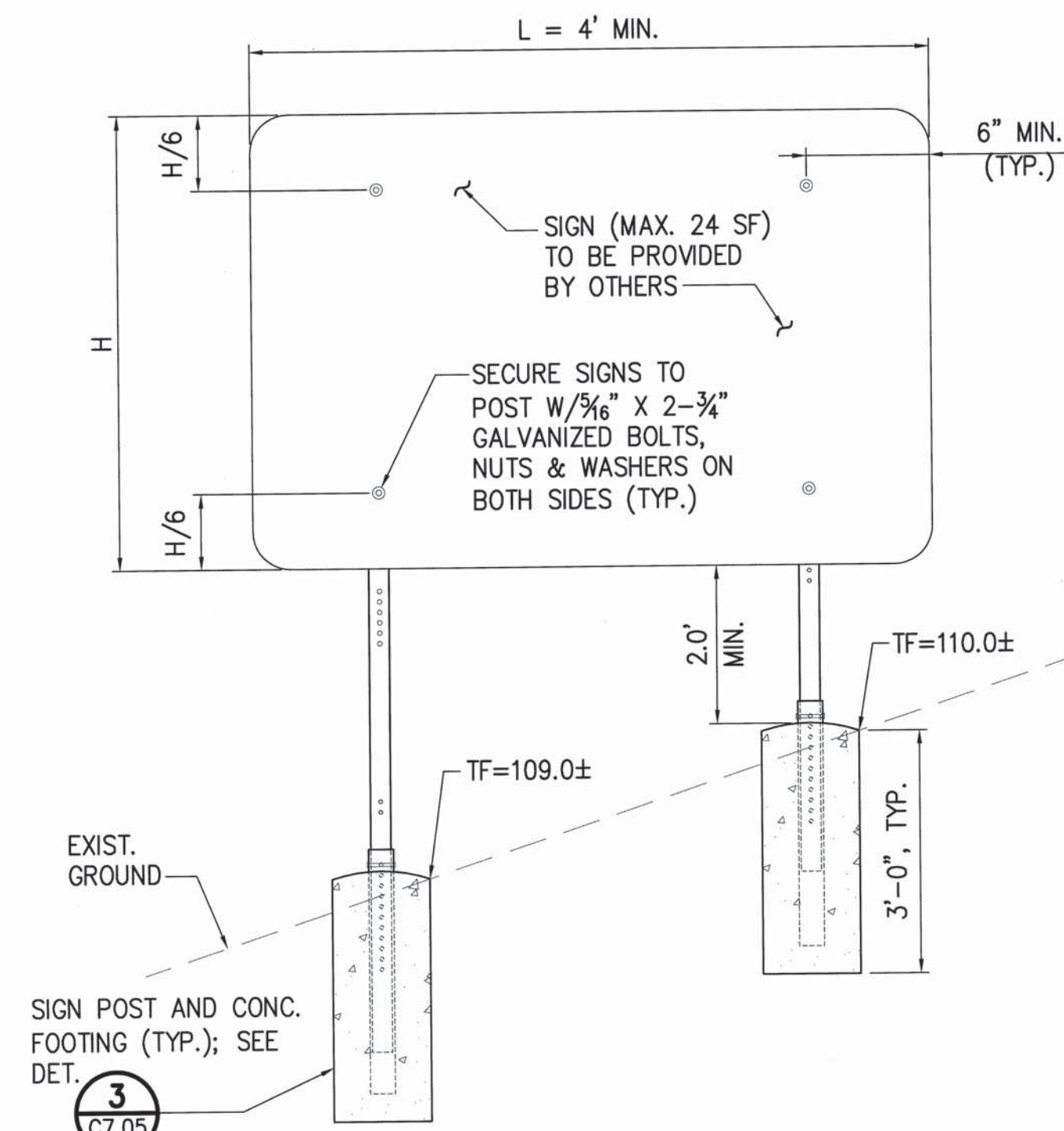
1	△	BID AMENDMENT NO. 1	16/53	04/15/16	✓
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
MAUI OFFICE ANNEX WAILUKU, MAUI, HAWAII					
DETAILS - 6					
DESIGNED: YT	SUBMITTED:				
DRAWN: YT	DATE: 03/15/2016				
CHECKED: YT	SCALE: AS SHOWN				
APPROVED: <i>[Signature]</i>		DATE: APR 19 2016		DRAWING NO. C7.05	
CHIEF ENGINEER					

L:\PROJECTS\63 - DLNR\16304 - Maui Admin Blog\DESIGN\DRAWING\DETAILS.dwg - 4/19/2016 2:08 AM

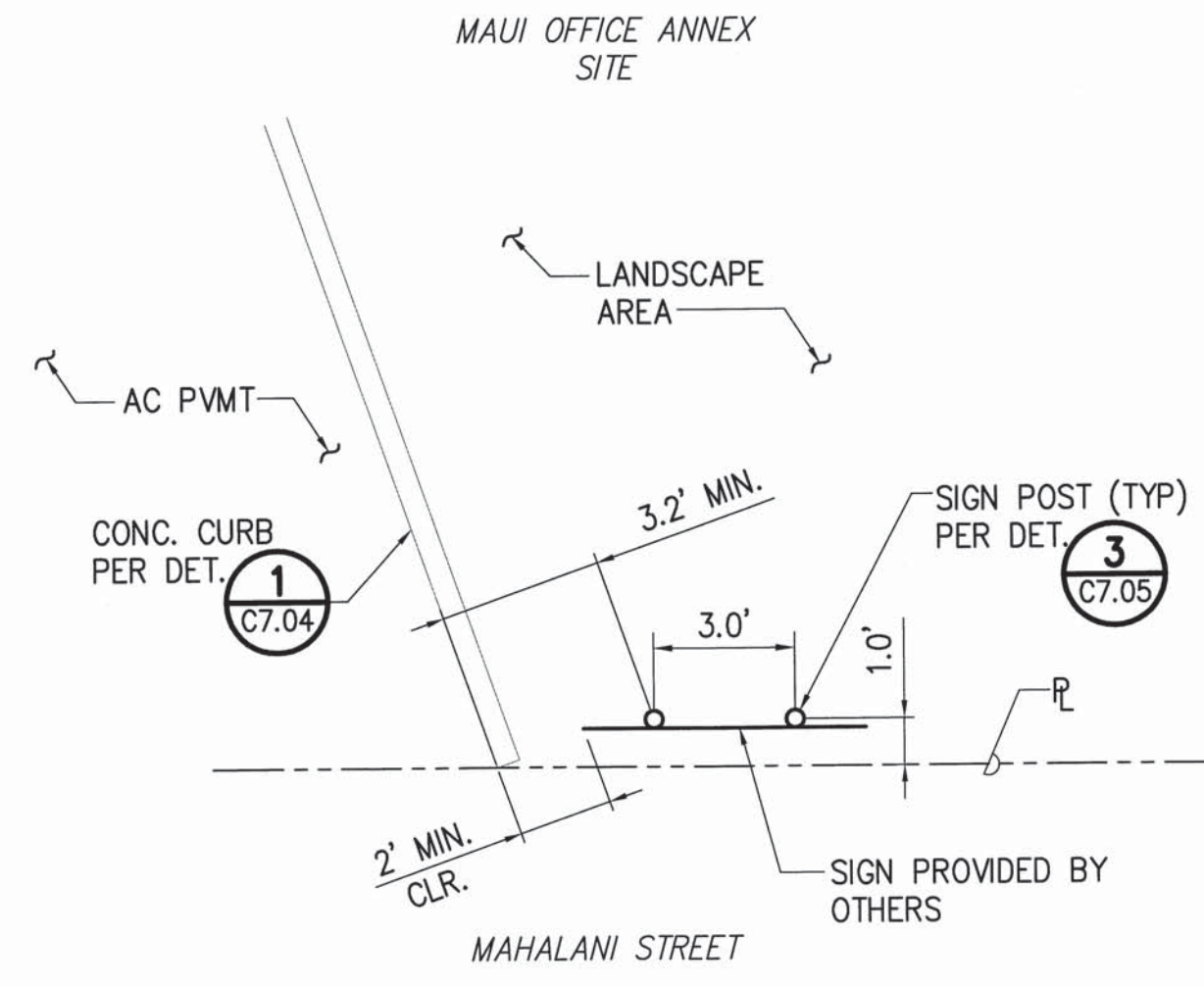


- BICYCLE RACK NOTES:**
- 2"± O.D. 316 STAINLESS STEEL TUBING.
 - MODEL R-8239-EM-SS, MANUFACTURED BY RELIANCE FOUNDRY CO. LTD. OR APPROVED EQUAL.

1 BICYCLE RACK DETAIL
C7.06 NOT TO SCALE

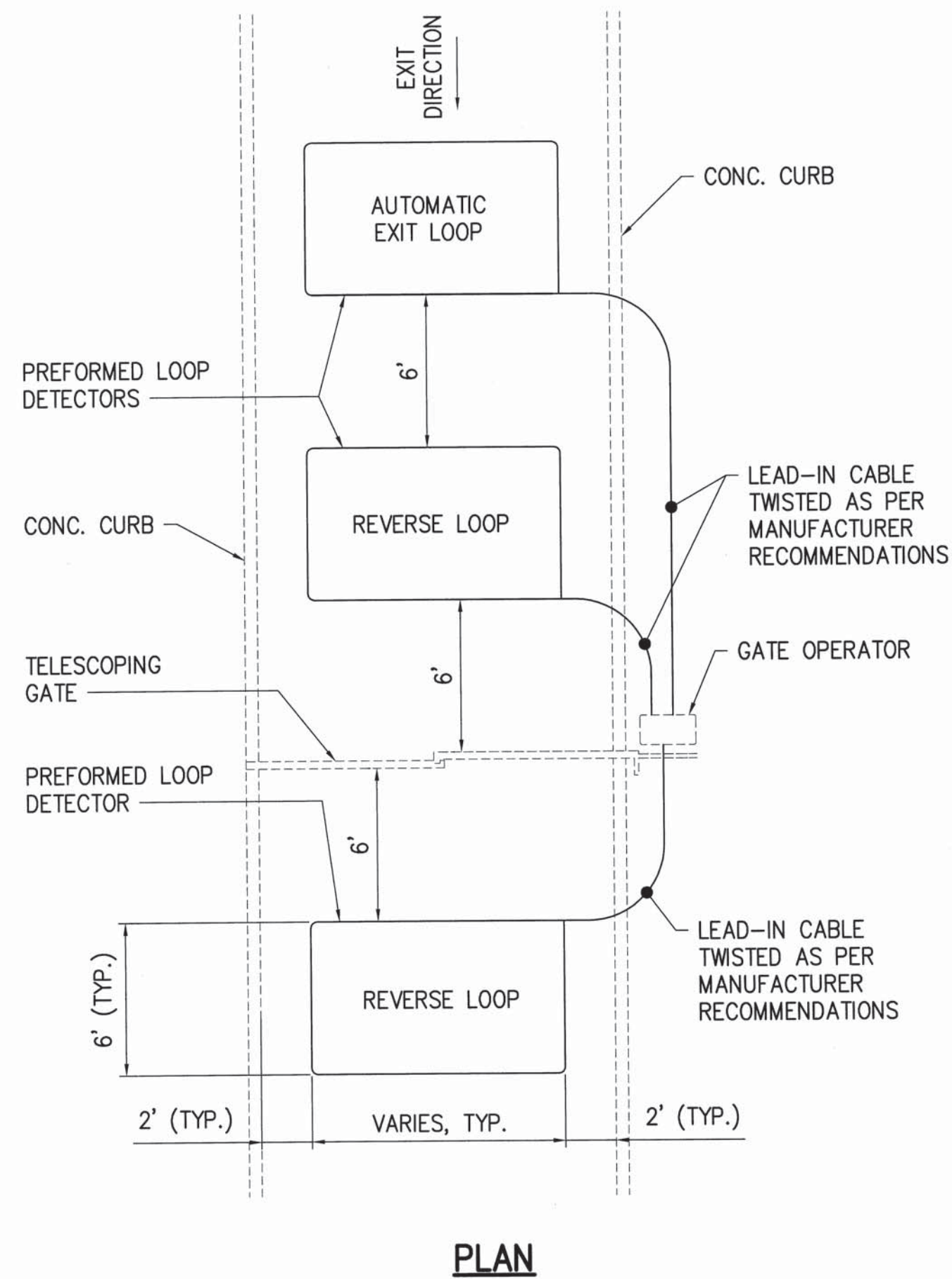


ELEVATION

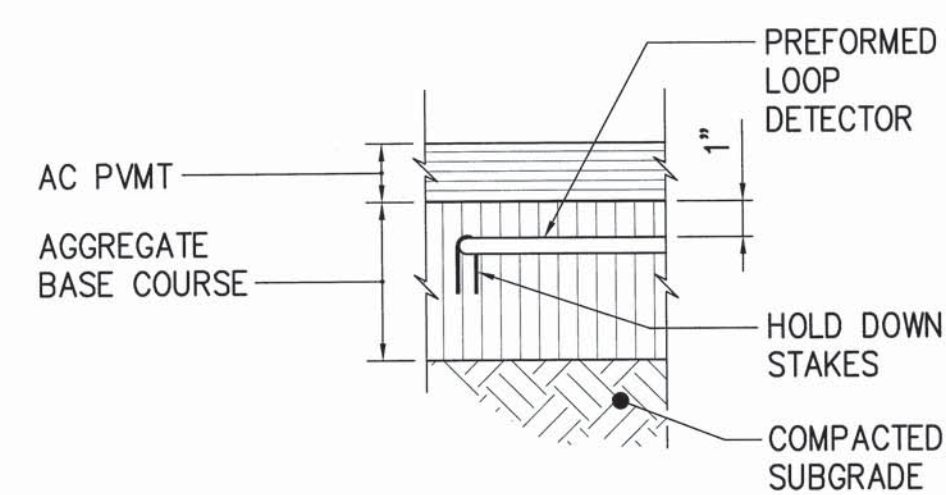


PLAN

2 ENTRY SIGN DETAIL
C7.06 NOT TO SCALE

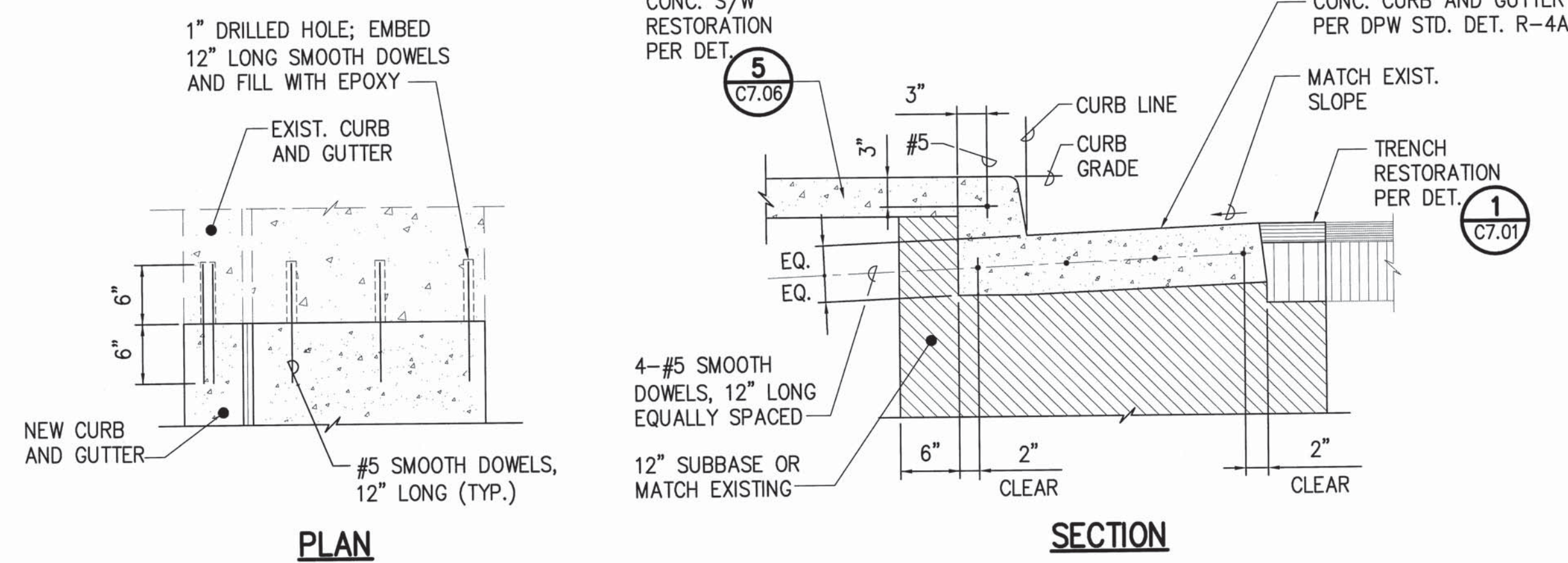


PLAN



SECTION

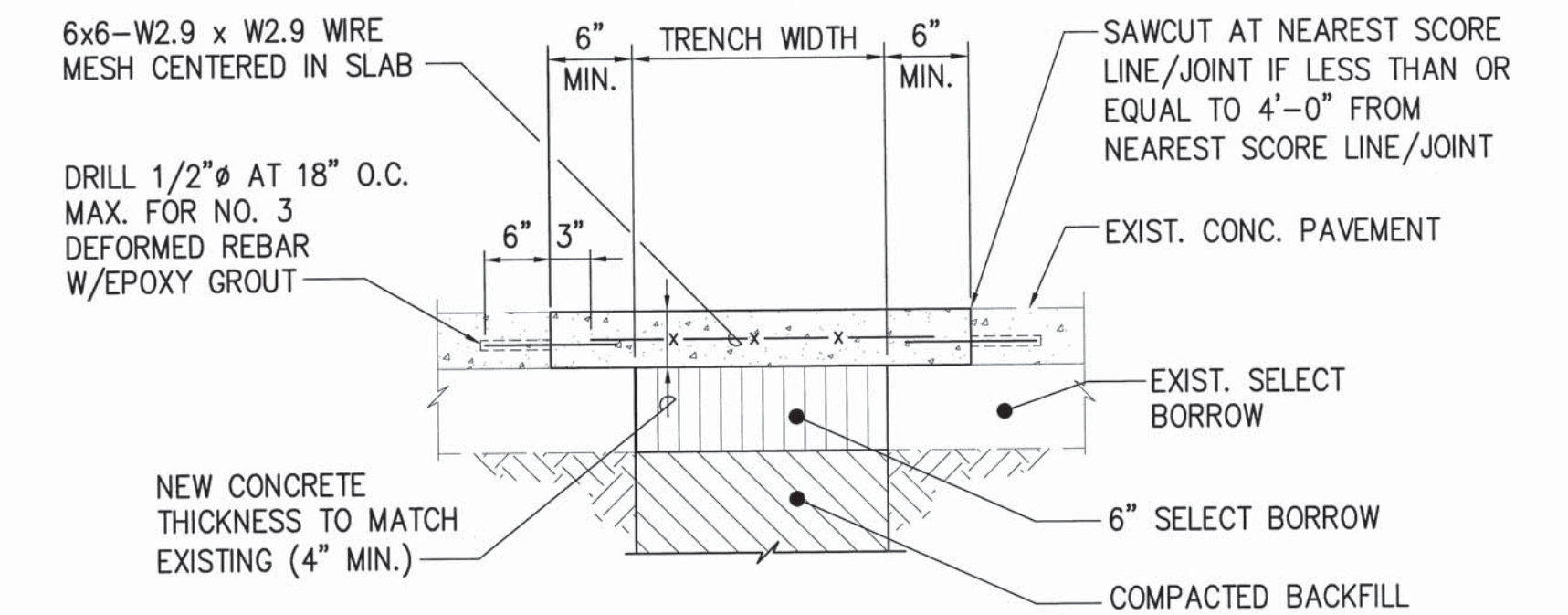
3 TYPICAL SENSOR LOOP DETAIL
C7.06 NOT TO SCALE



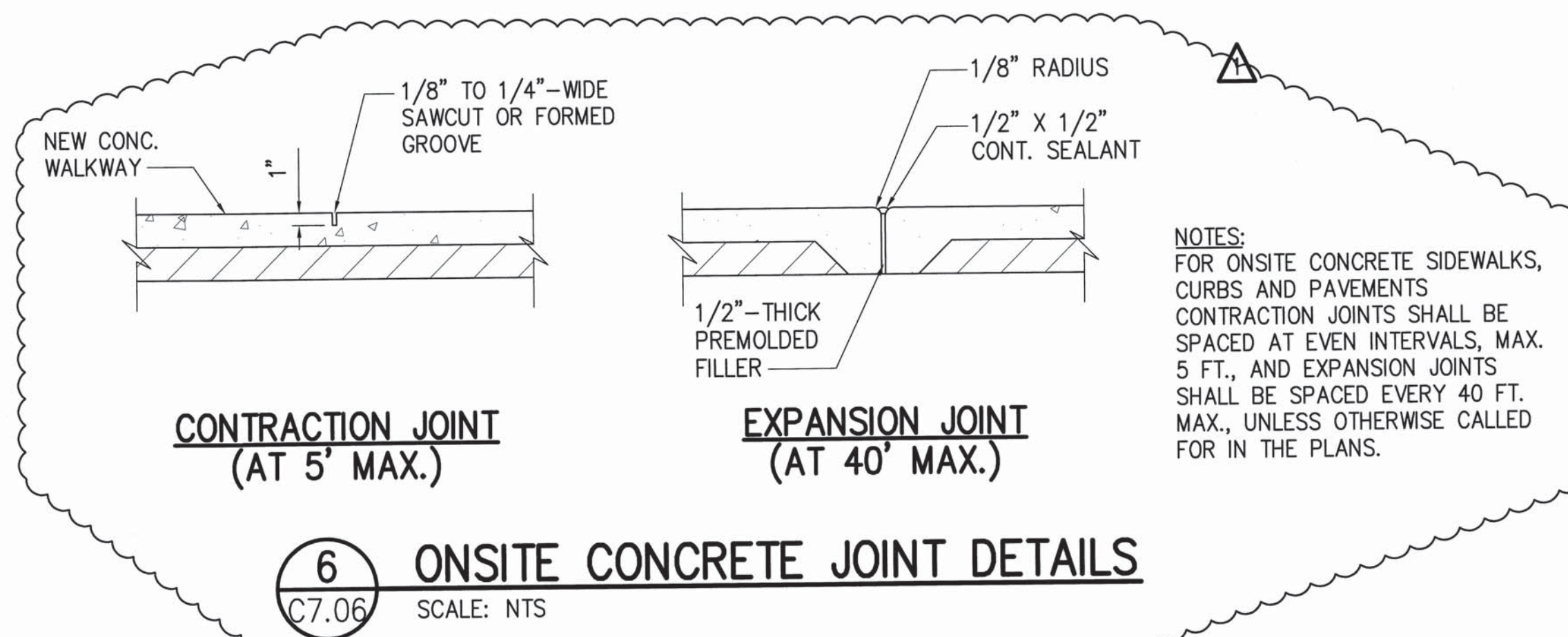
PLAN

SECTION

4 CONCRETE CURB AND GUTTER RESTORATION DETAIL
C7.06 SCALE: 1"=1'-0"

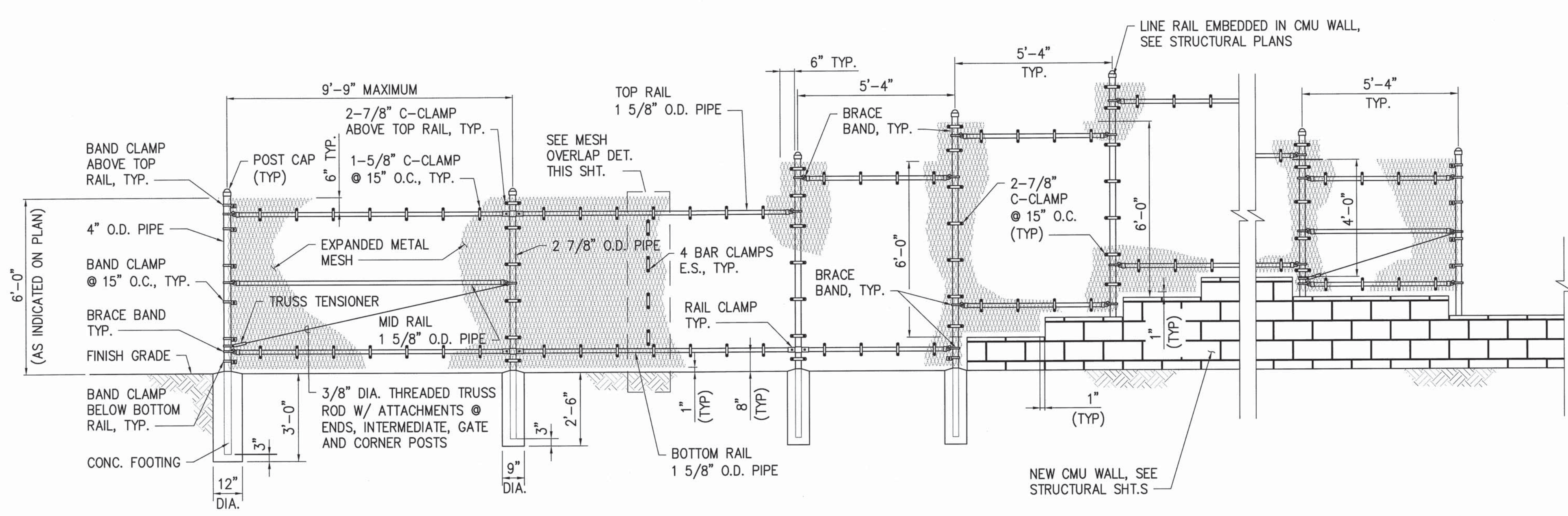


5 CONCRETE SIDEWALK RESTORATION DETAIL
C7.06 SCALE: 1"=1'-0"



6 ONSITE CONCRETE JOINT DETAILS
C7.06 SCALE: NTS

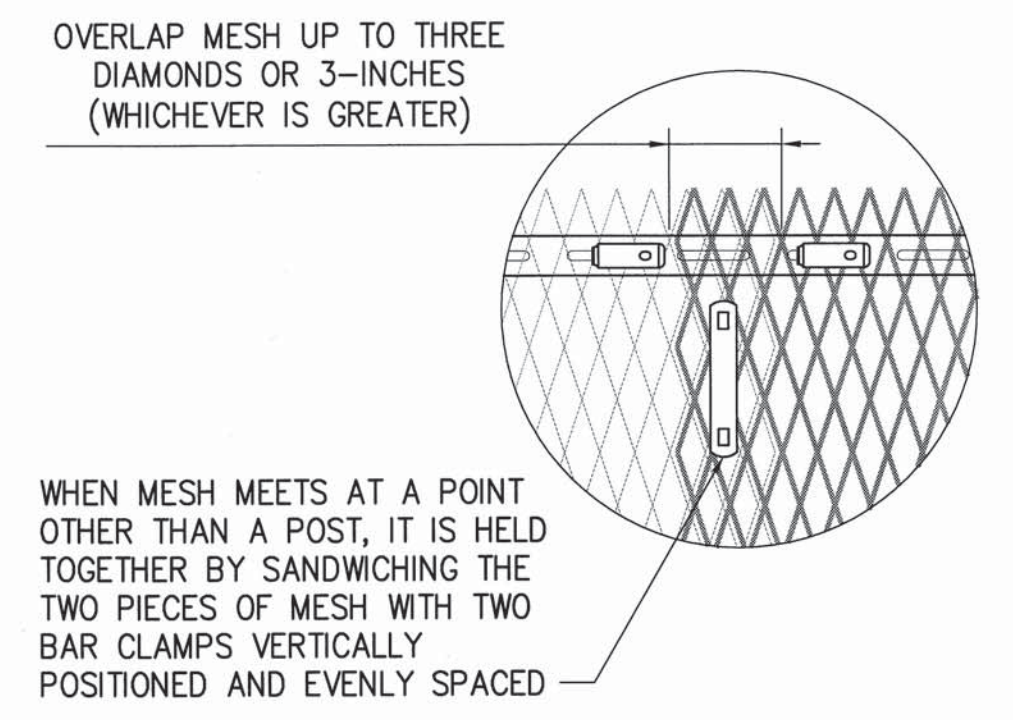
1	SYM.	BID AMENDMENT NO. 1	17/53	04/15/16	✓
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
MAUI OFFICE ANNEX WAILUKU, MAUI, HAWAII					
DETAILS - 7					
DESIGNED: YT		SUBMITTED:			
DRAWN: YT		DATE: 03/15/2016			
CHECKED: YT		SCALE: AS SHOWN			
APPROVED: <i>[Signature]</i>		DATE: APR 19 2016		DRAWING NO. C7.06	
CHIEF ENGINEER					



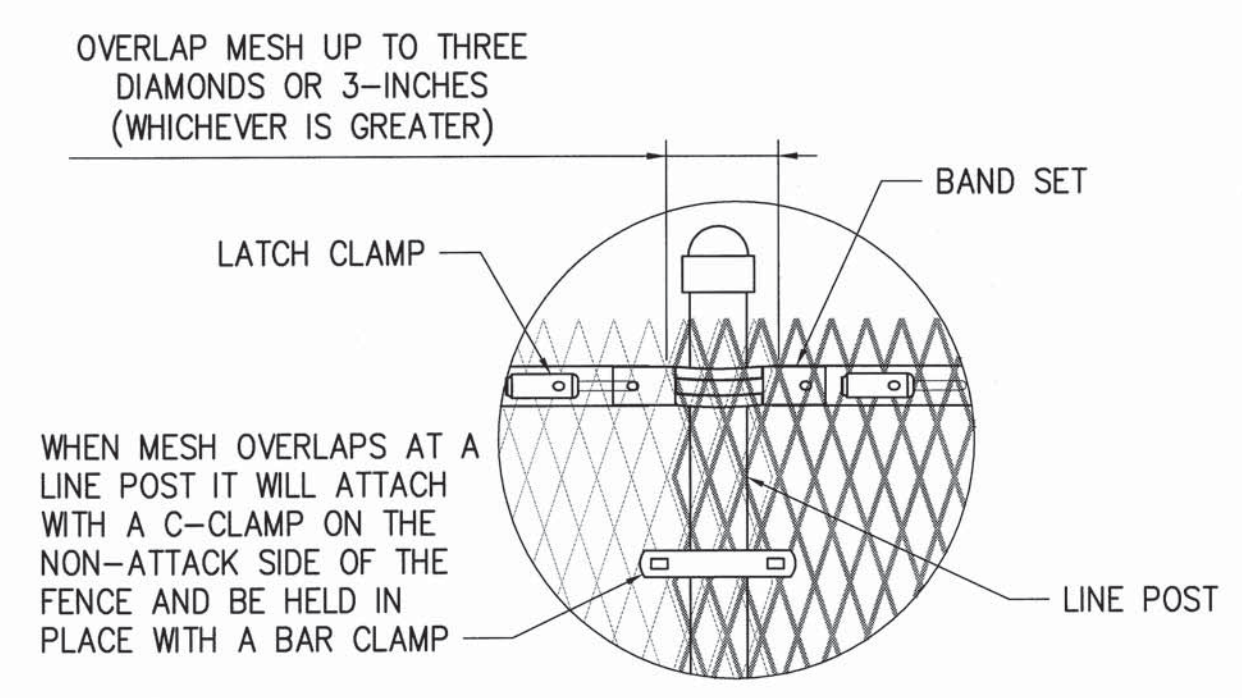
SLOPE, CORNER OR END **LINE POST** **LINE POST** **LINE POST** **SLOPE, CORNER OR END**

- NOTES:**
1. POSTS AND BRACES SHALL BE SCHEDULE 40 (STANDARD WEIGHT) PIPE. SIZES SPECIFIED ARE OUTSIDE DIAMETER.
 2. ALL FENCING MATERIAL SHALL BE GALVANIZED STEEL UNLESS OTHERWISE SPECIFIED.
 3. TOP OF CONCRETE FOOTING SHALL BE CROWNED TO SHED WATER.

1 TYPICAL EXPANDED METAL FENCE
C7.07 3/8" = 1'-0"

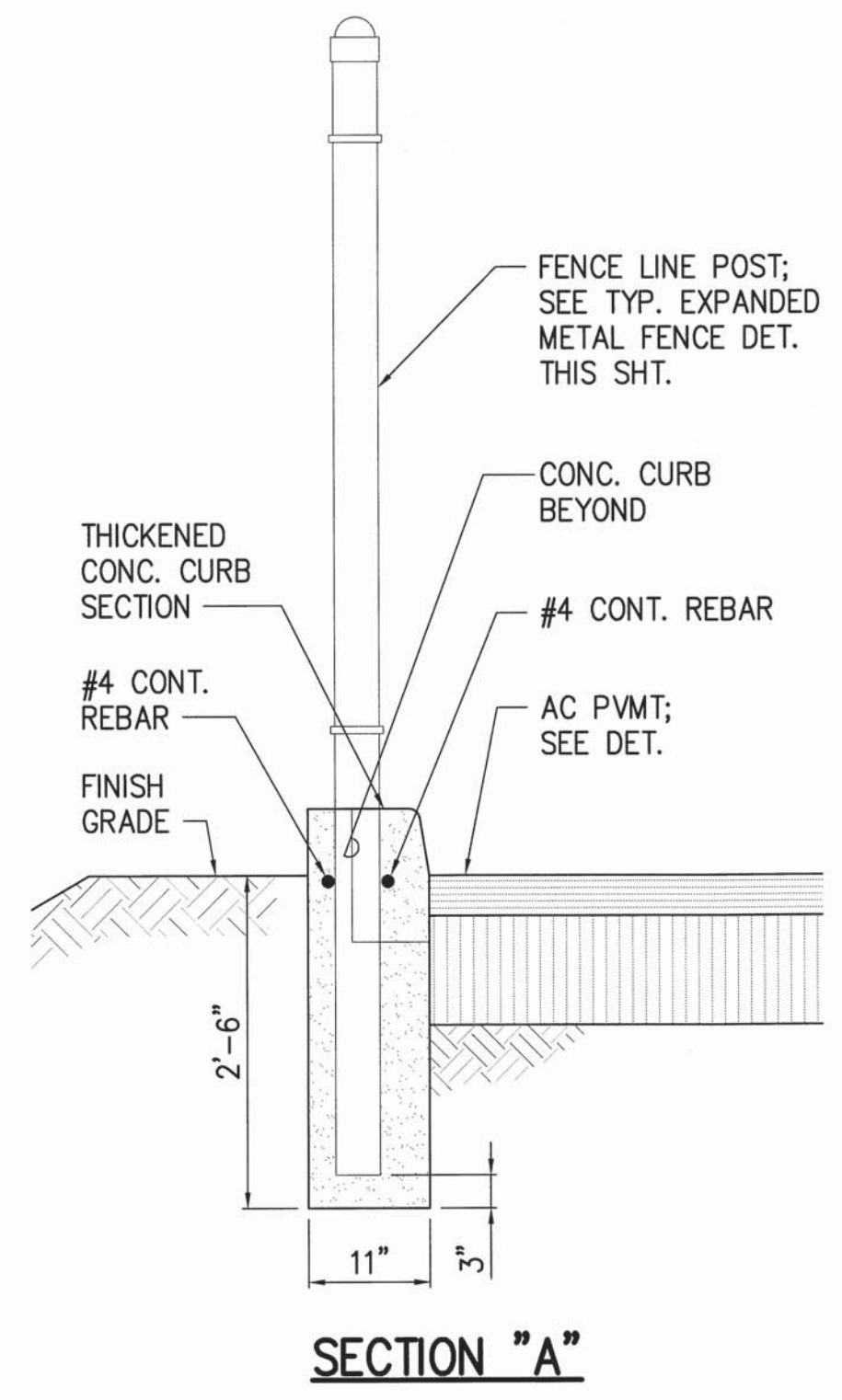
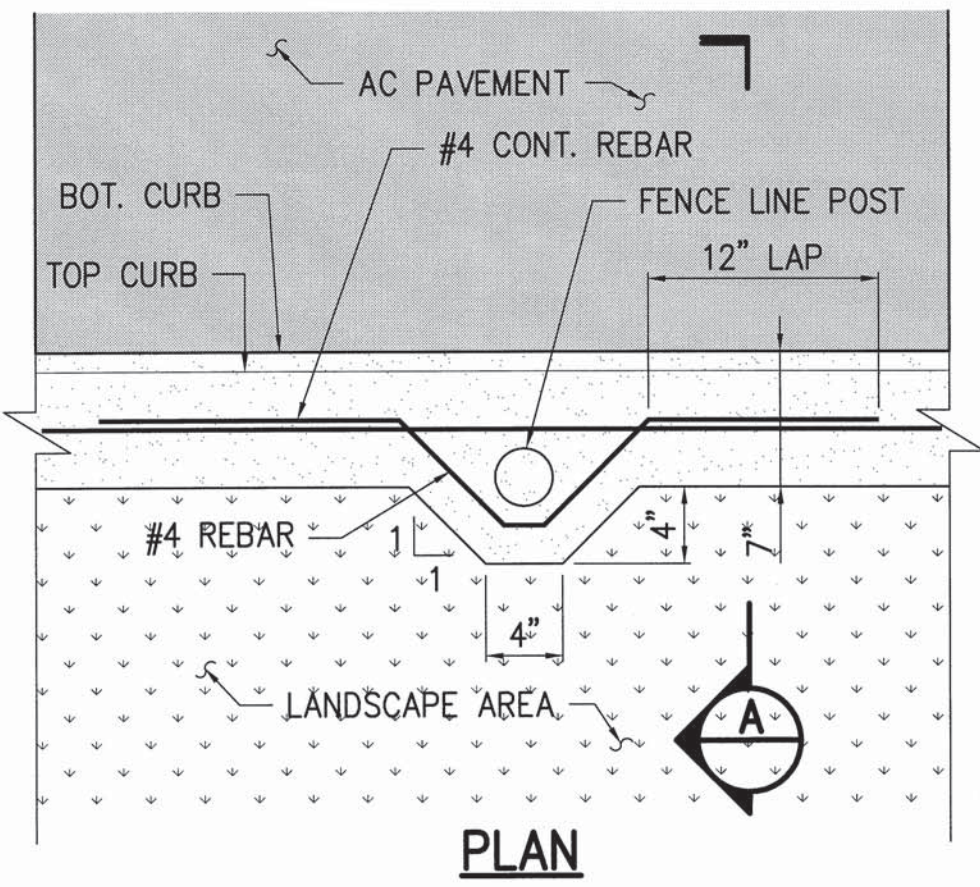


MESH ATTACHES TO EACH OTHER

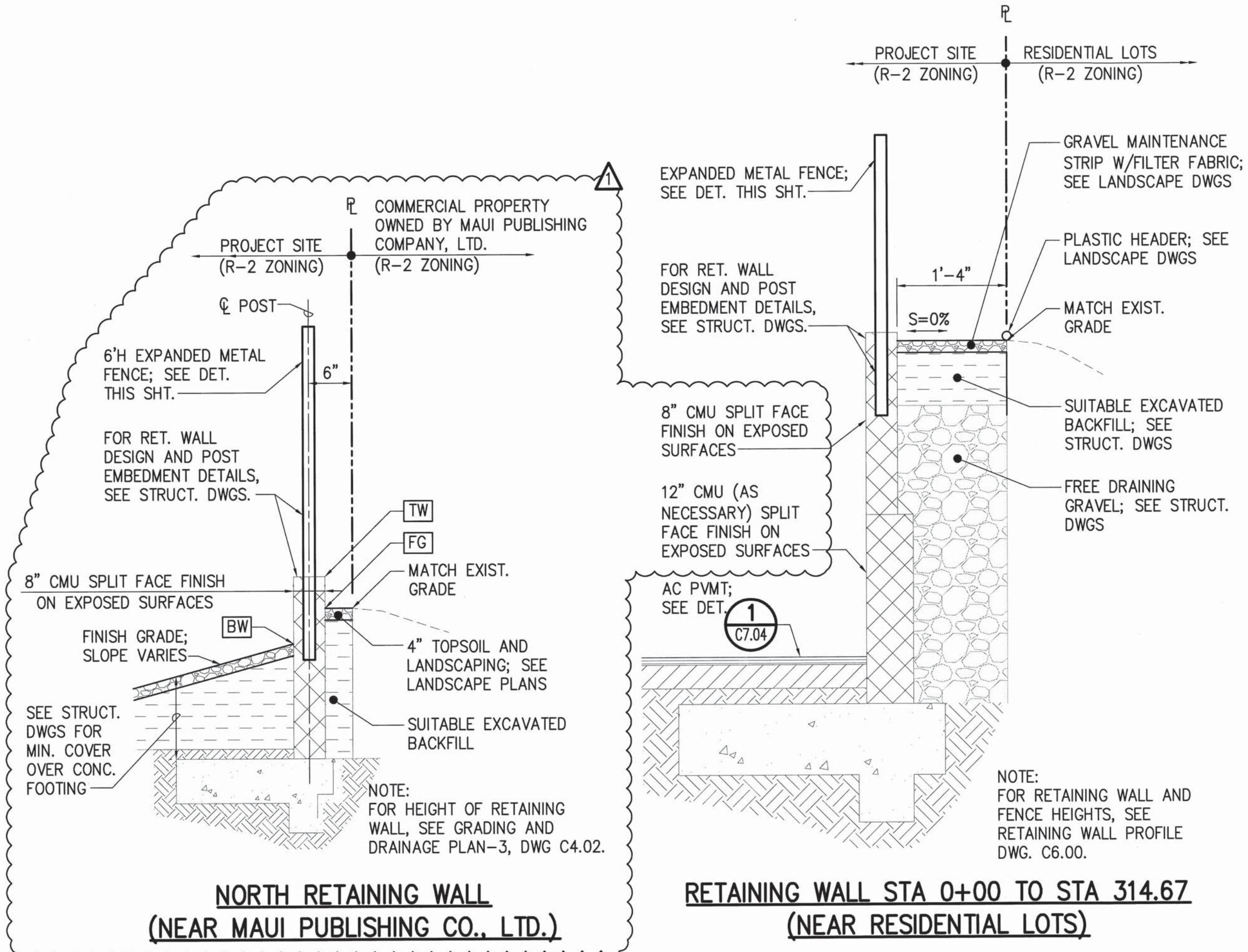


MESH ATTACHES TO LINE POST

2 MESH OVERLAP DETAIL
C7.07 NOT TO SCALE



3 FENCE POST IN CURB
C7.07 NOT TO SCALE

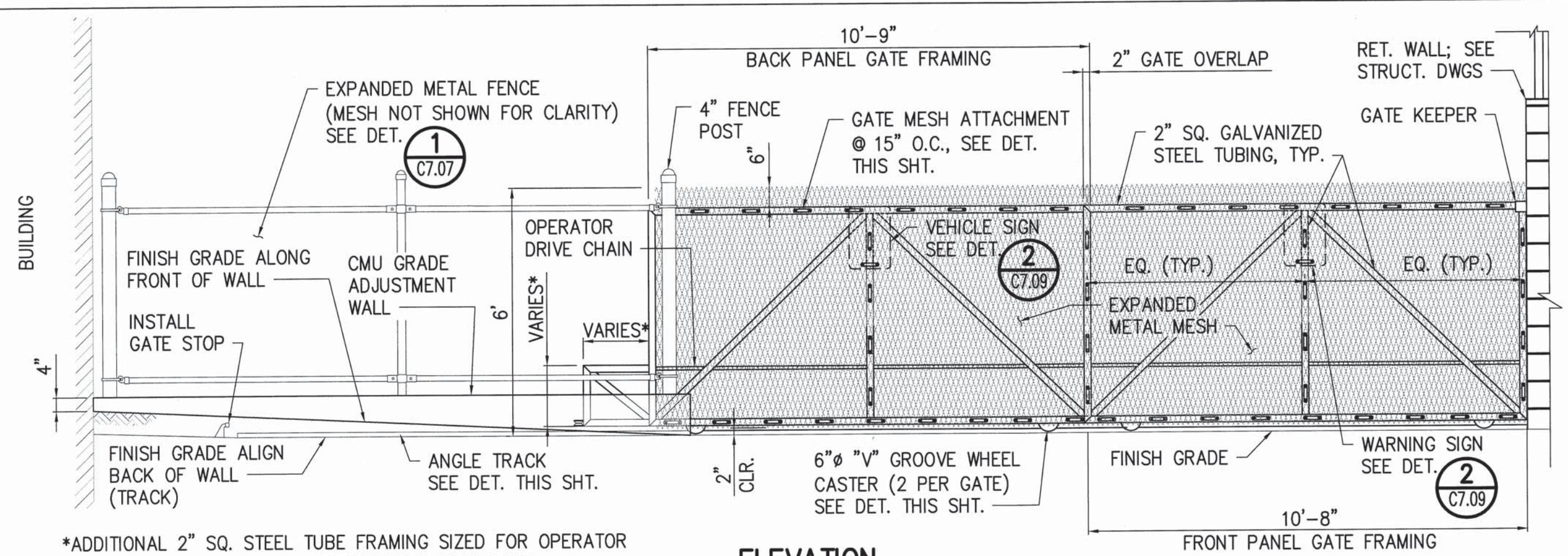


4 RETAINING WALL DETAIL
C7.07 NOT TO SCALE

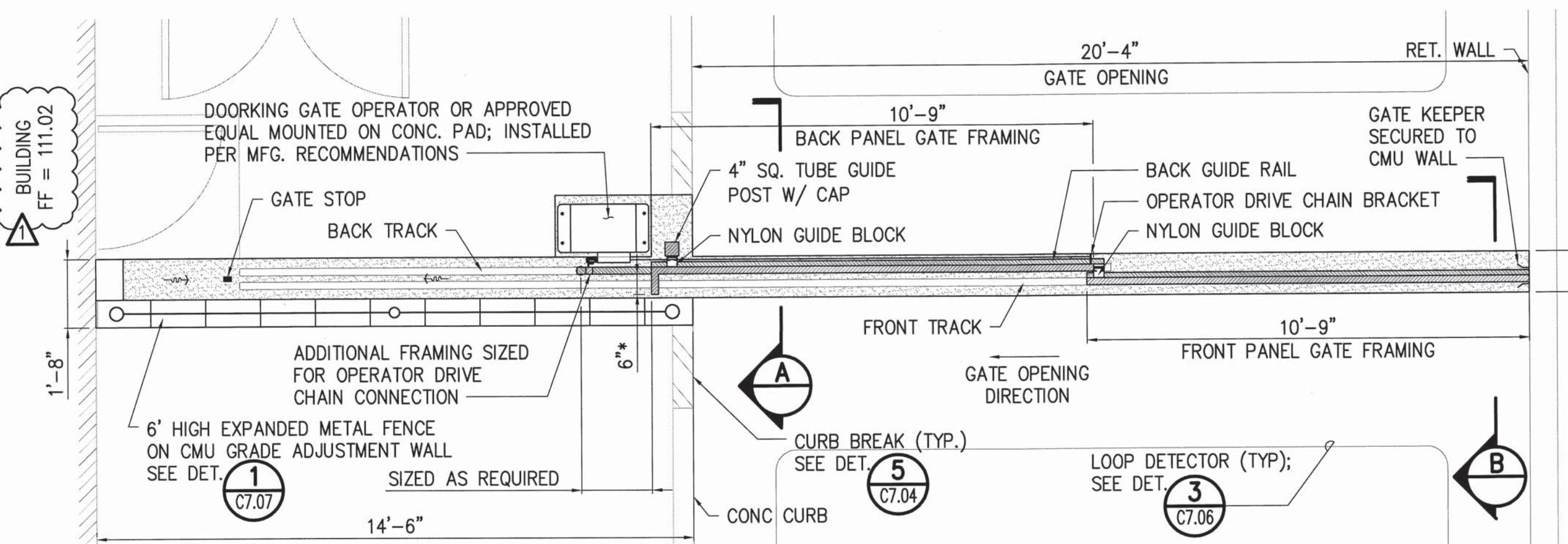
1	▲	BID AMENDMENT NO. 1	18/53	04/15/16	✓
REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
MAUI OFFICE ANNEX WAILUKU, MAUI, HAWAII					
DETAILS - 8					
DESIGNED: CJ		SUBMITTED:			
DRAWN: CJ		DATE: 03/15/2016			
CHECKED: YT		SCALE: AS SHOWN			
APPROVED: <i>Cyly</i>		DATE: APR 19 2016		DRAWING NO. C7.07	
CHIEF ENGINEER					

C:\Users\yvonne.turro\Desktop\DRAWINGS\DETAILS-Diamond Fencing.dwg - 4/19/2016 10:29 AM

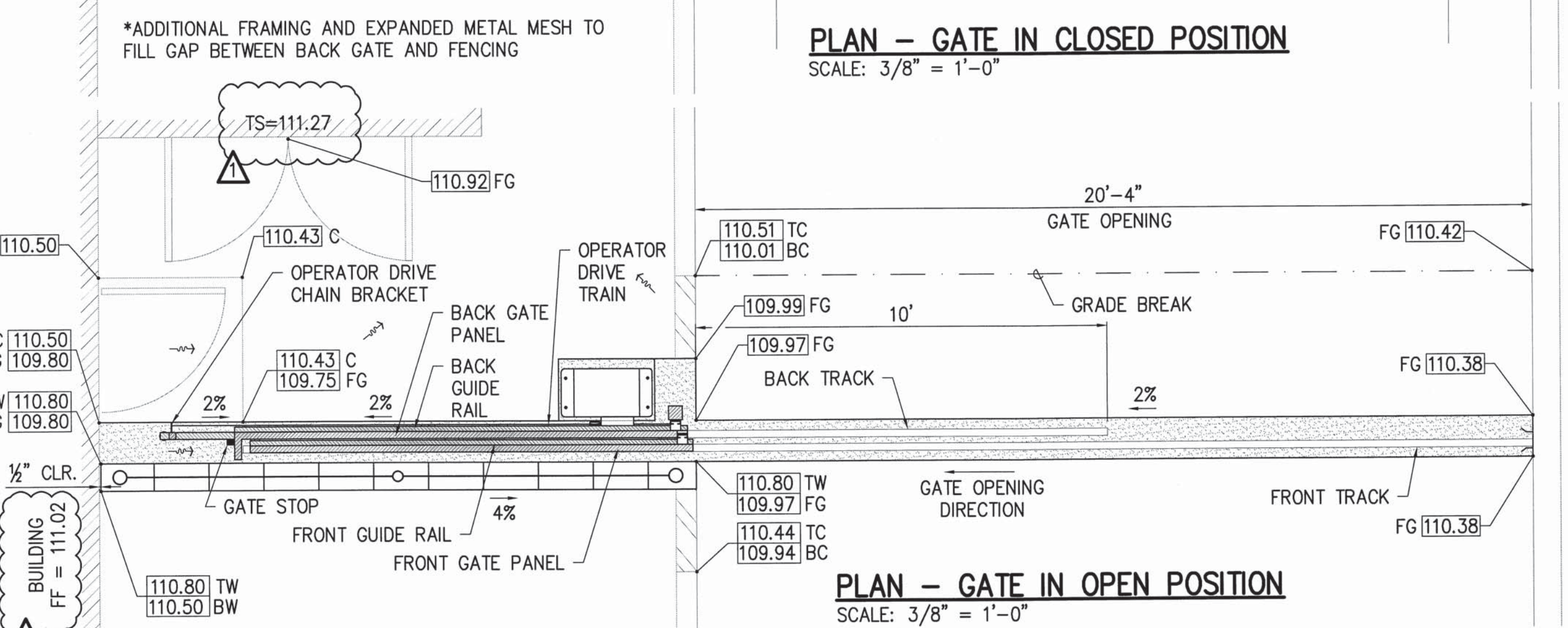
L:\1 PROJECTS\63 - Maui Admin Bldg\DESIGN\DRAWING\DETAILS-Diamond Fencing.dwg - 4/19/2016 12:02 PM



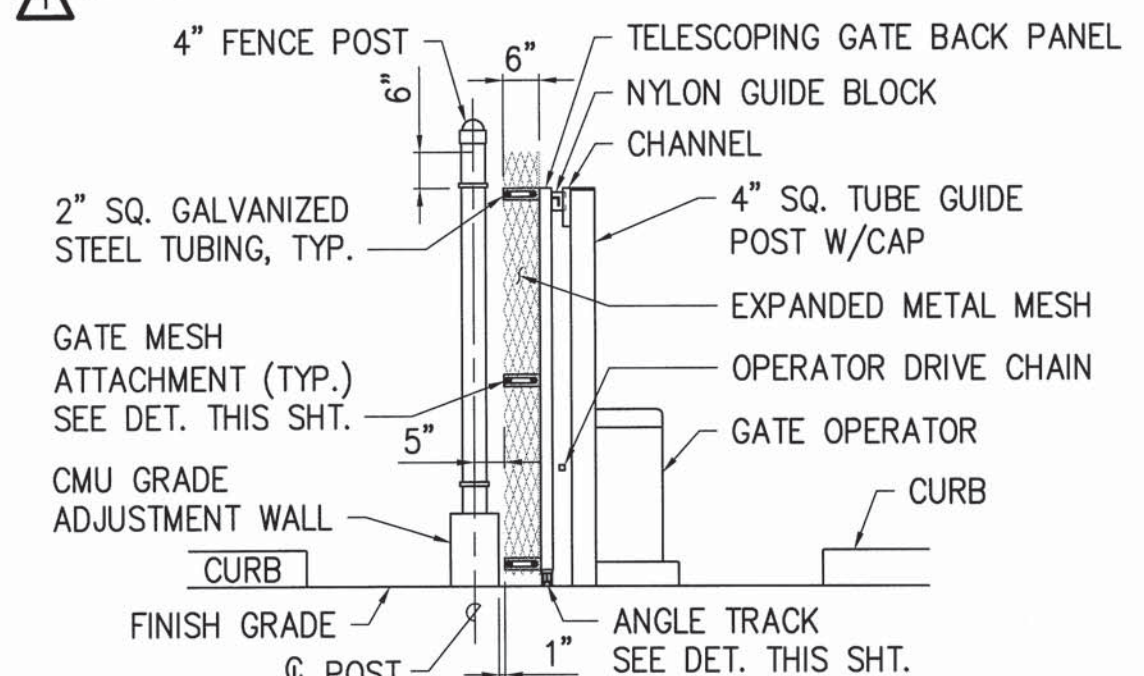
ELEVATION
SCALE: 3/8" = 1'-0"



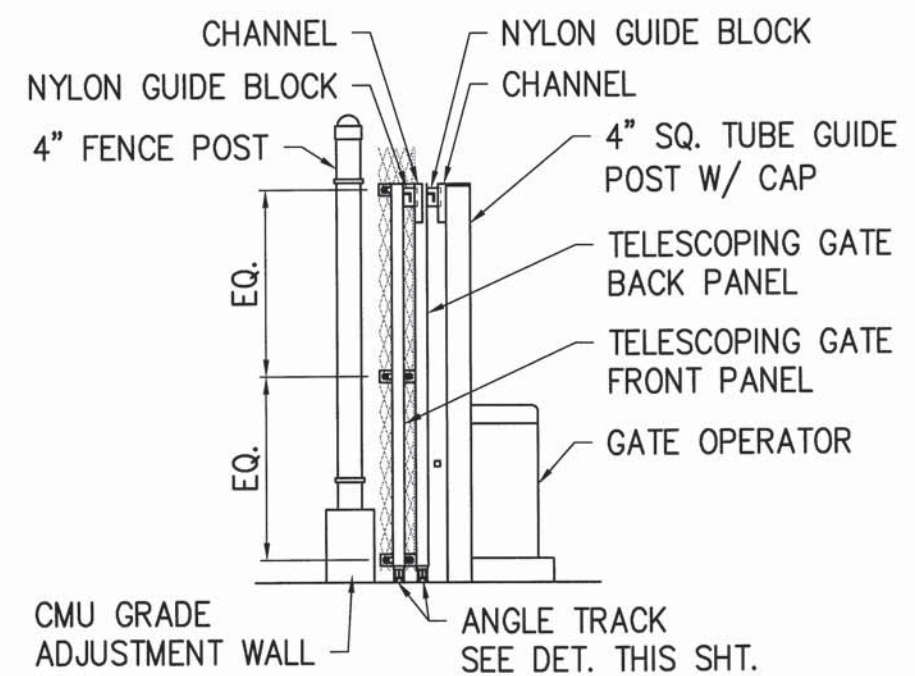
PLAN - GATE IN CLOSED POSITION
SCALE: 3/8" = 1'-0"



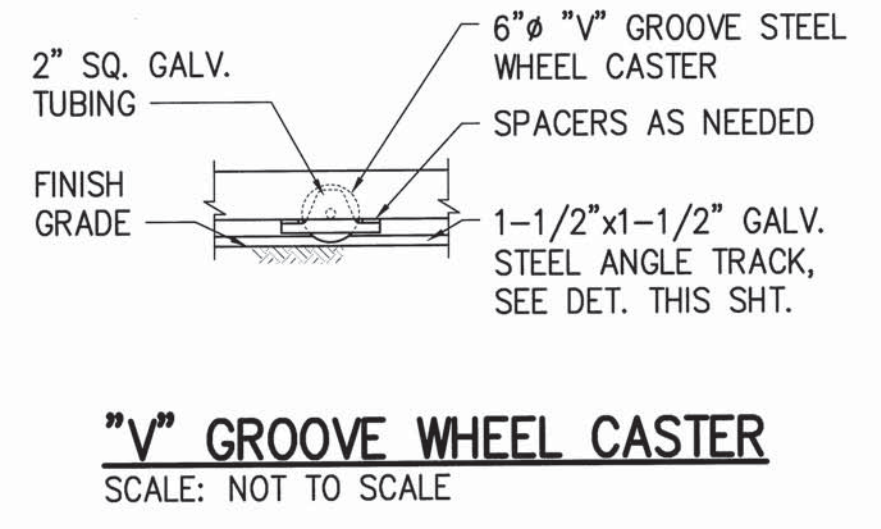
PLAN - GATE IN OPEN POSITION
SCALE: 3/8" = 1'-0"



SECTION "A"
SCALE: 3/8" = 1'-0"

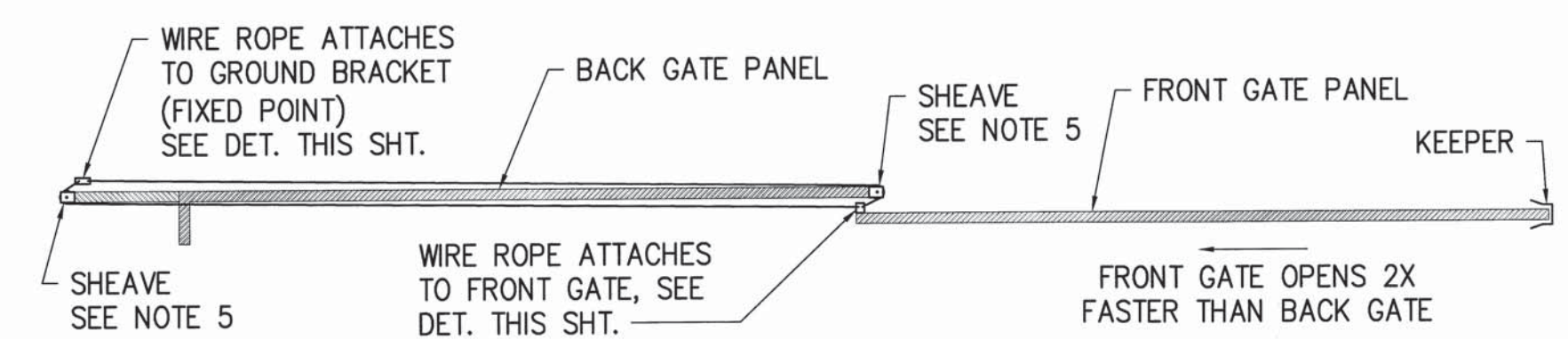


SECTION "B"
SCALE: 3/8" = 1'-0"

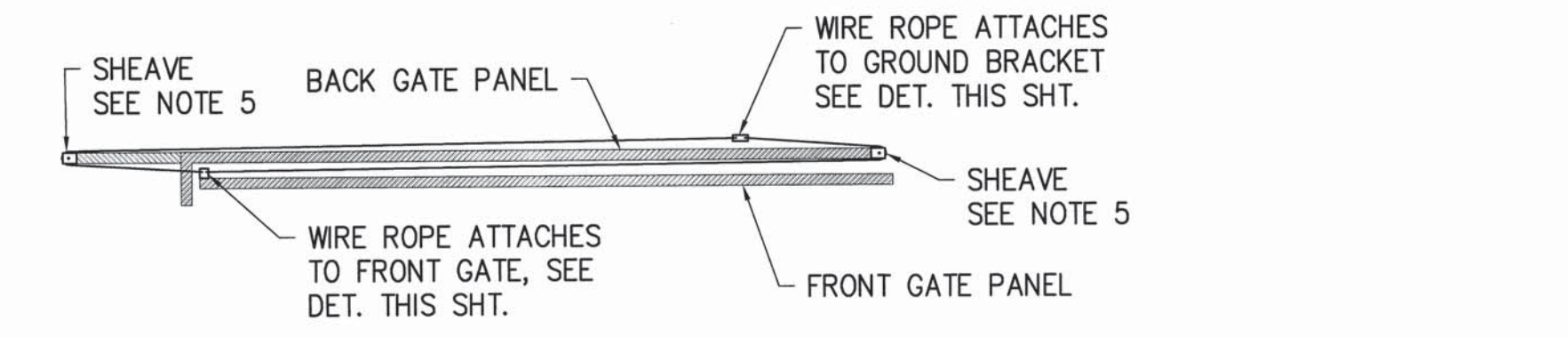


"V" GROOVE WHEEL CASTER
SCALE: NOT TO SCALE

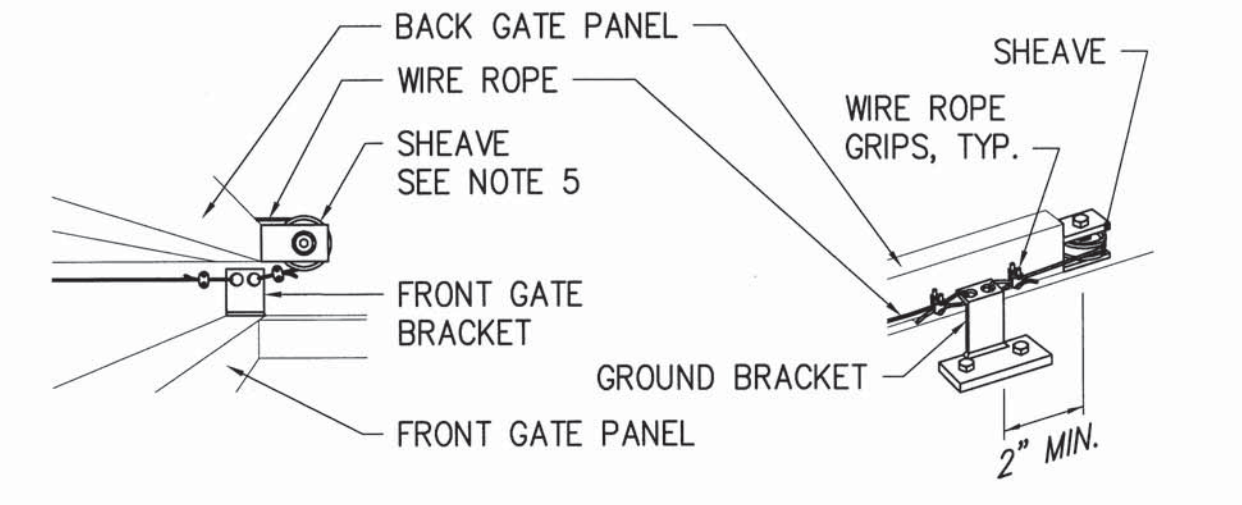
1 TELESCOPING MAIN GATE
SCALE: AS SHOWN



TELESCOPING WIRE ROPE LAYOUT (GATE IN CLOSED POSITION)
SCALE: 3/8" = 1'-0"

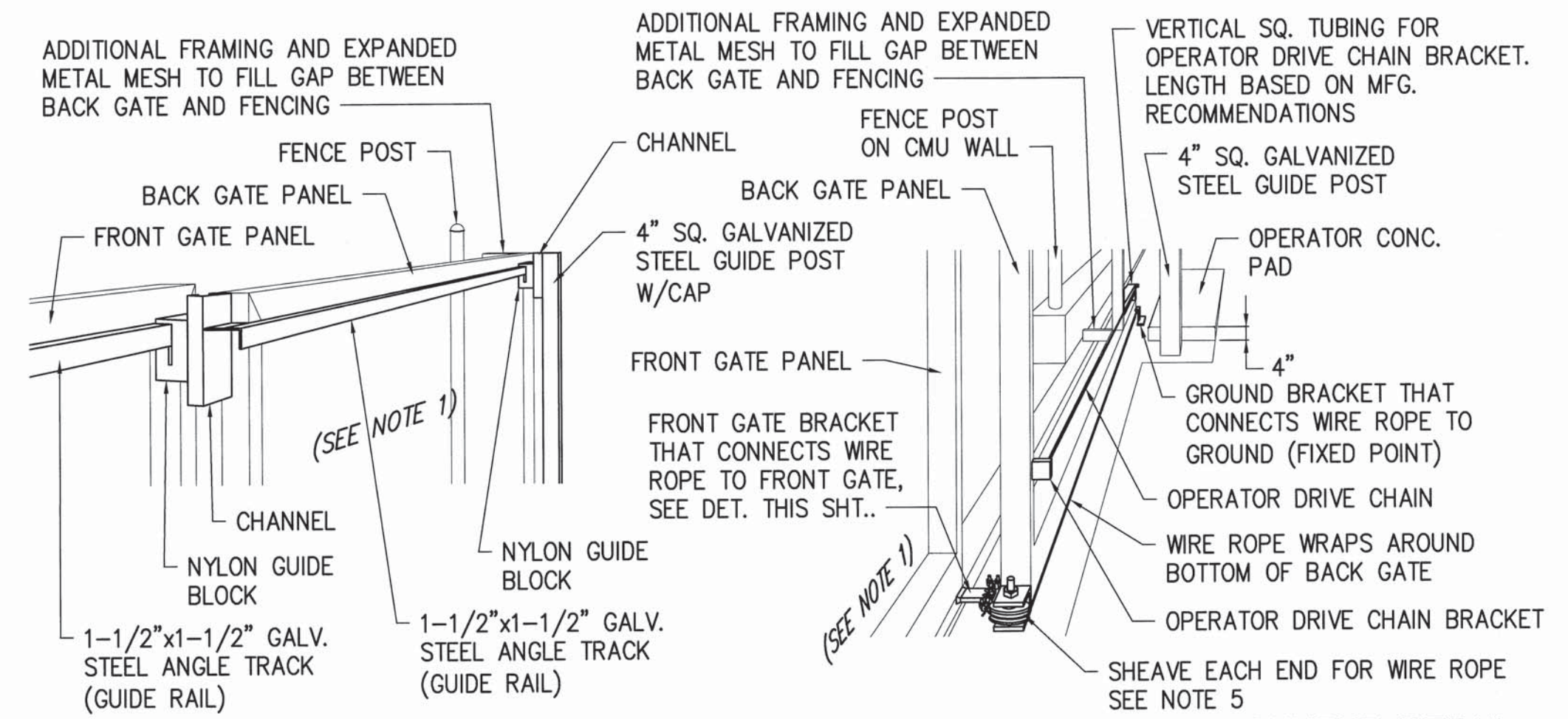


TELESCOPING WIRE ROPE LAYOUT - GATE IN OPEN POSITION
SCALE: 3/8" = 1'-0"

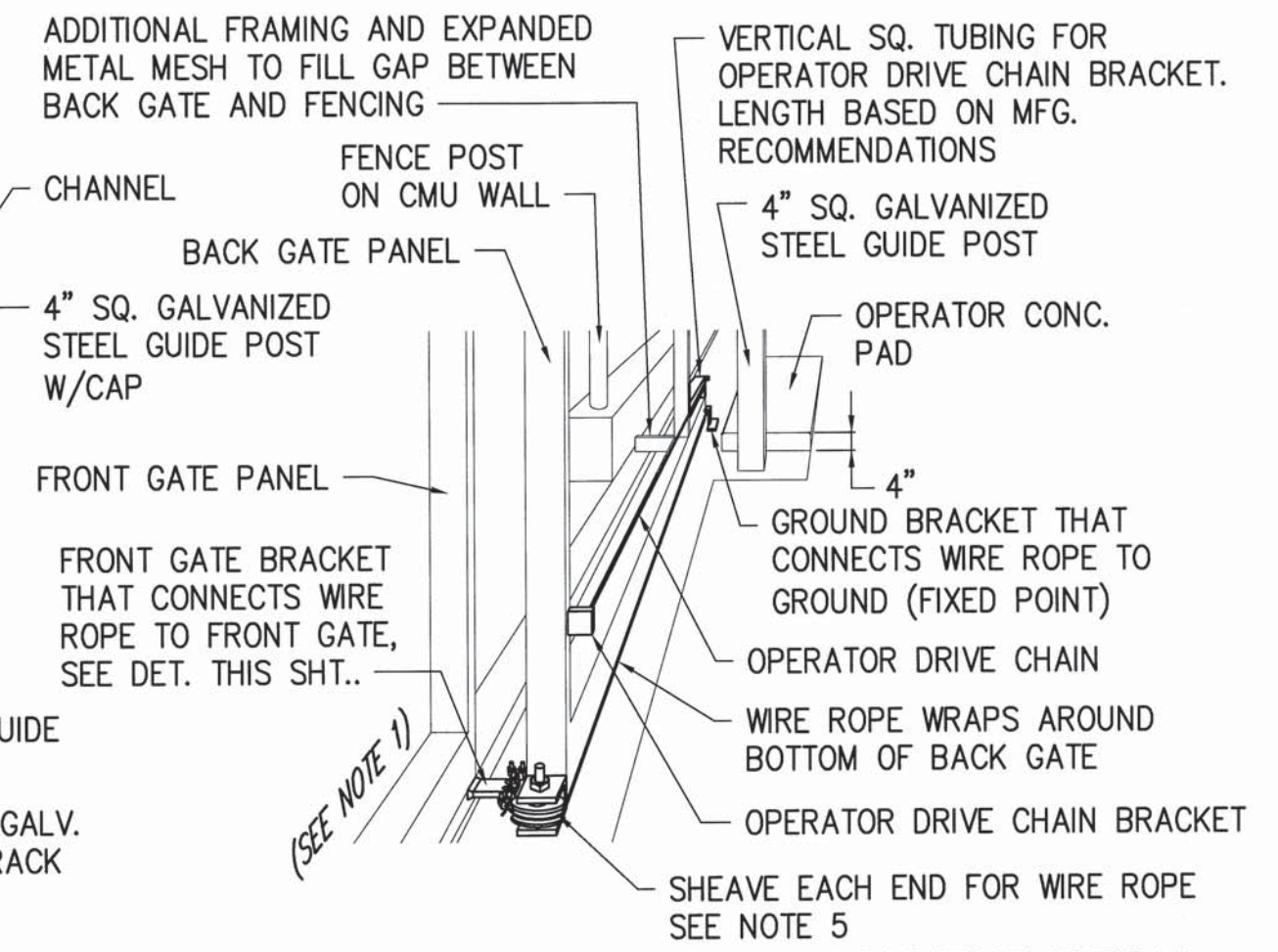


FRONT GATE BRACKET
SCALE: NOT TO SCALE

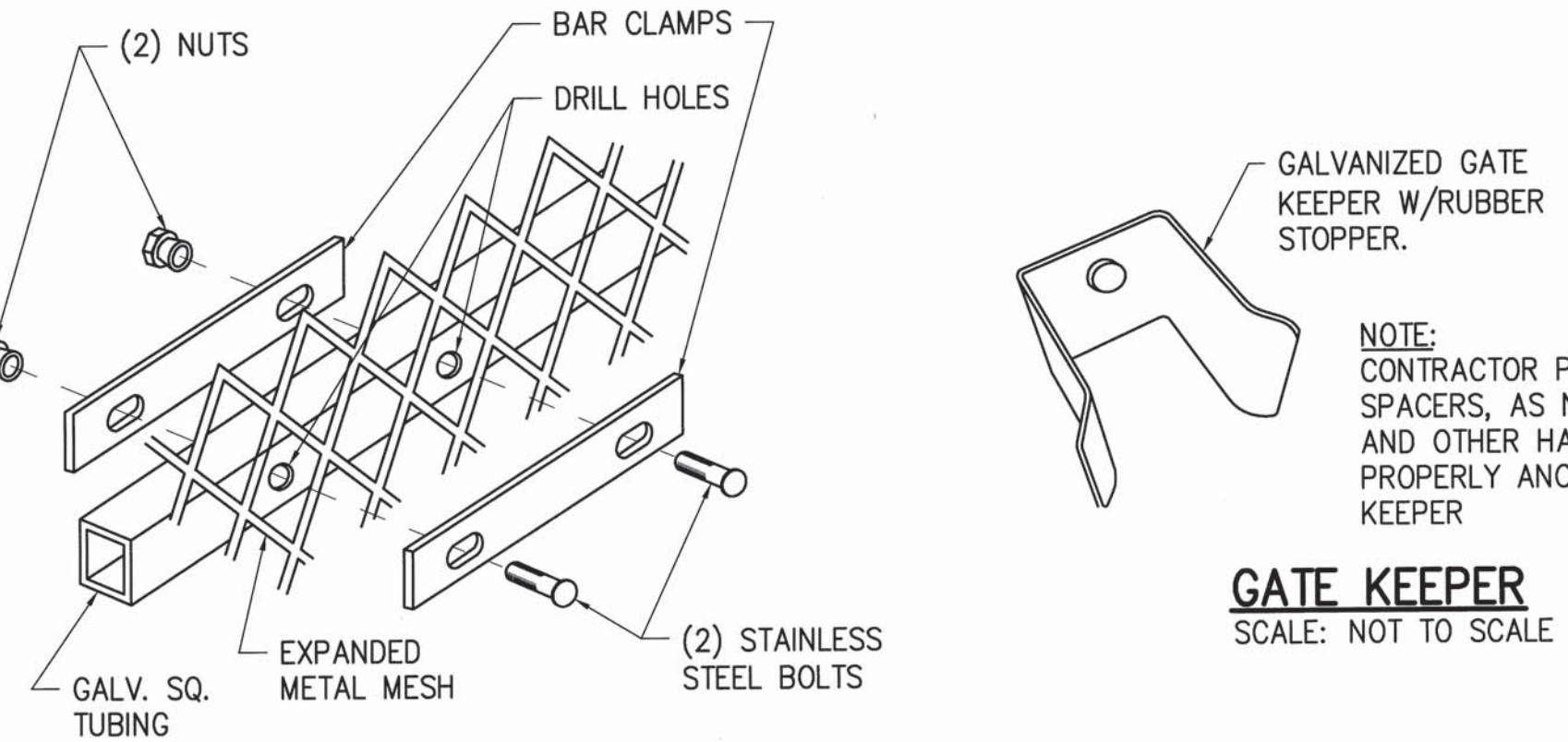
GROUND BRACKET
SCALE: NOT TO SCALE



GUIDE RAIL DETAIL
SCALE: NOT TO SCALE

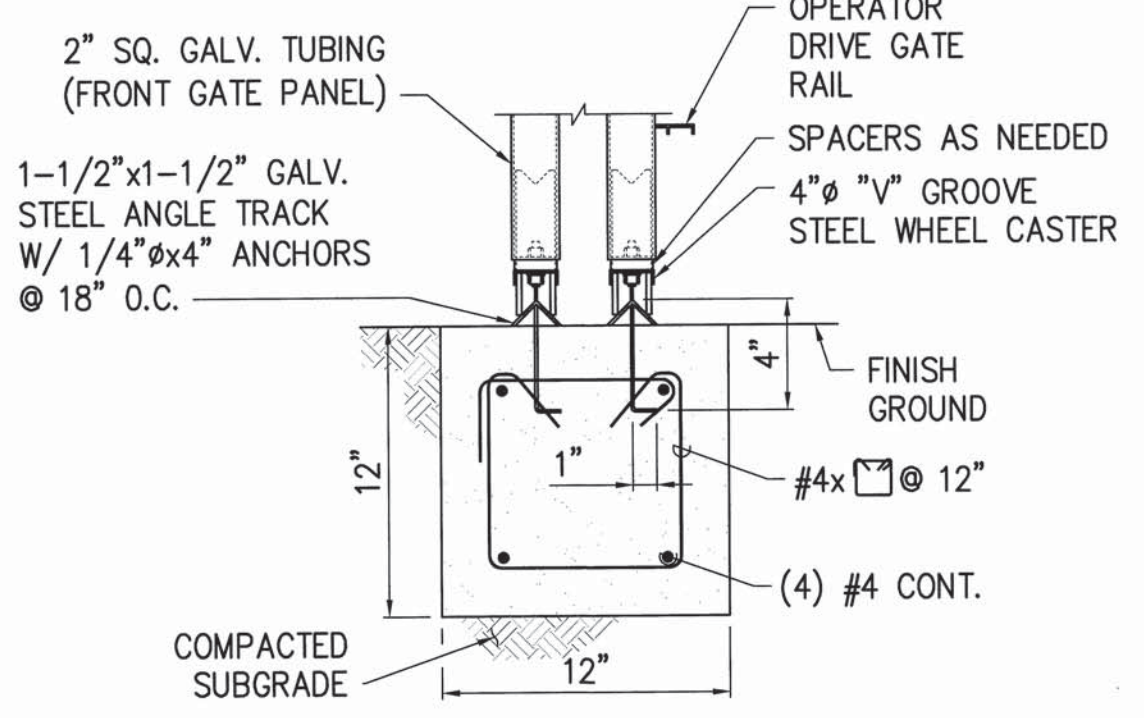


WIRE ROPE & DRIVE CHAIN ATTACHMENT DETAIL
SCALE: NOT TO SCALE



GATE MESH ATTACHMENT
SCALE: NOT TO SCALE

GATE KEEPER
SCALE: NOT TO SCALE

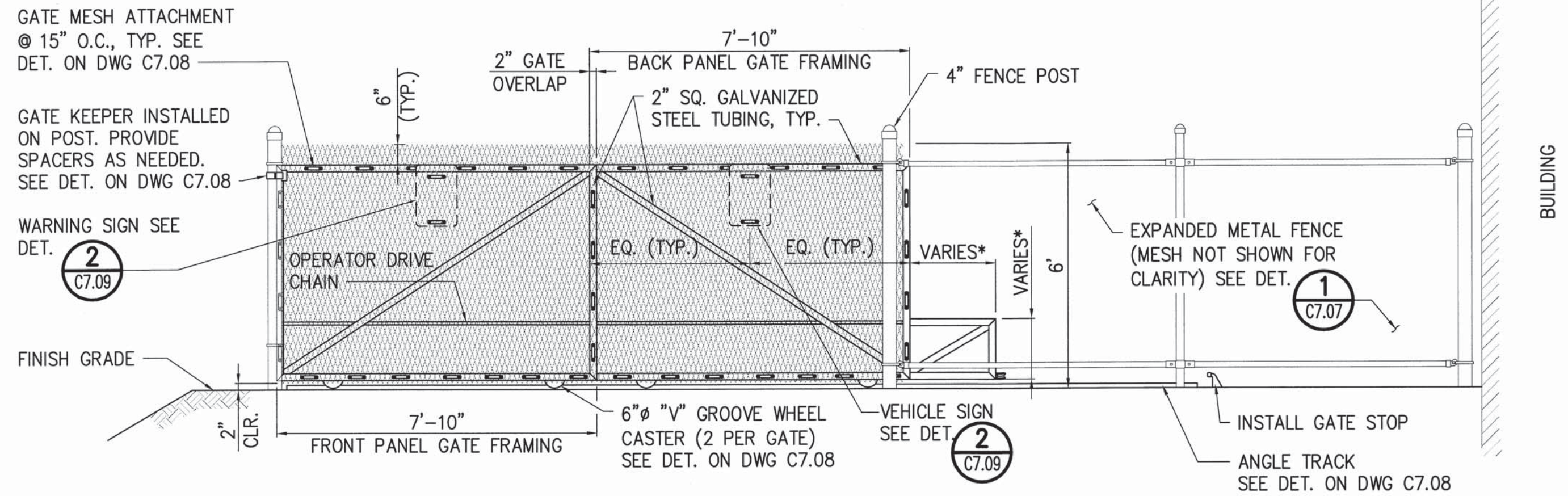


ANGLE TRACK DETAIL
SCALE: NOT TO SCALE

NOTES:

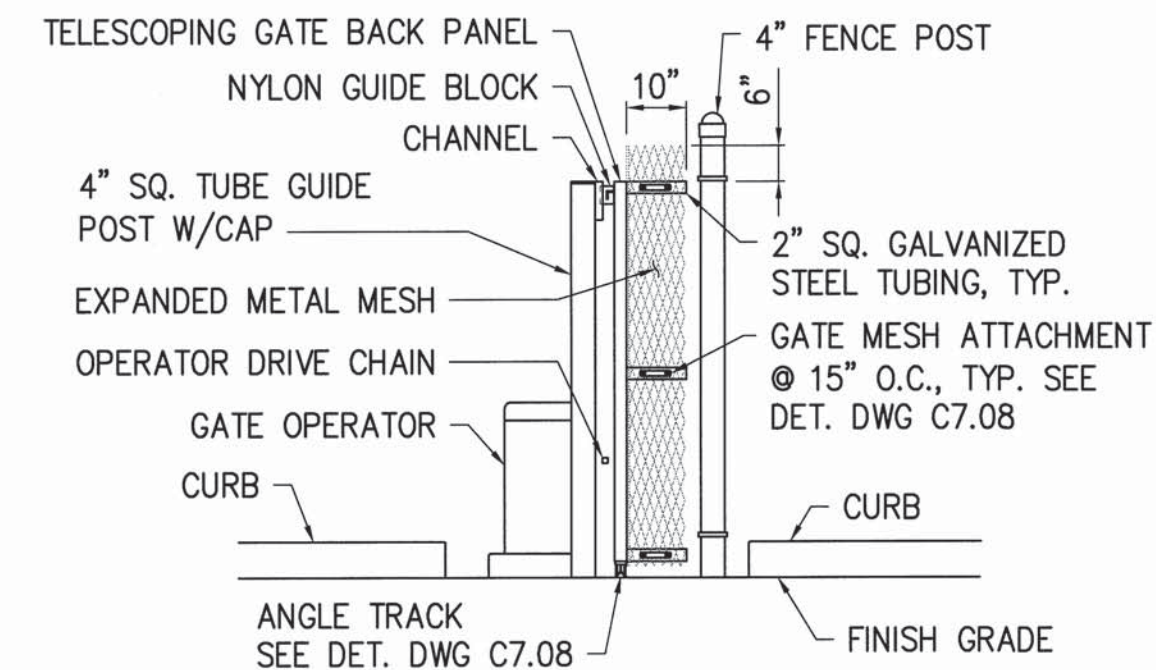
- EXPANDED METAL MESH NOT SHOWN FOR CLARITY.
- DETAILS ARE DRAWN BASED ON THE TELESCOPING MAIN GATE LAYOUT. THE DETAILS ARE APPLICABLE TO THE TELESCOPING SECONDARY EXIT GATE LAYOUT SHOWN ON DWG. C7.09, HOWEVER SOME DETAILS MAY BE A MIRROR IMAGE.
- FRONT GATE PANEL WILL OPEN 2X FASTER THAN BACK GATE PANEL. ADJUST OPERATOR TO 1/2X THE NORMAL OPERATING SPEED.
- GATE SHALL BE FITTED IN FIELD AND ADJUSTED AS NEEDED TO ENSURE PROPER OPERATION.
- GATE SHALL BE MANUFACTURED AND INSTALLED TO COMPLY WITH THE SAFETY REQUIREMENTS OF ASTM F2200 AND UL325.
- POST AND BRACES SHALL BE SCHEDULE 40 PIPE. SIZES SPECIFIED ARE OUTSIDE DIAMETER.

1	REVISION NO.	SYMBOL	BID AMENDMENT NO. 1	19/53	04/15/16	APPROVED
			DESCRIPTION	SHT. OF	DATE	
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION						
MAUI OFFICE ANNEX WAILUKU, MAUI, HAWAII						
DETAILS - 9						
DESIGNED: CJ			SUBMITTED:			
DRAWN: CJ			DATE: 03/15/2016			
CHECKED: YT			SCALE: AS SHOWN			
APPROVED: <i>[Signature]</i>			DATE: APR 19 2016		DRAWING NO. C7.08	
CHIEF ENGINEER						

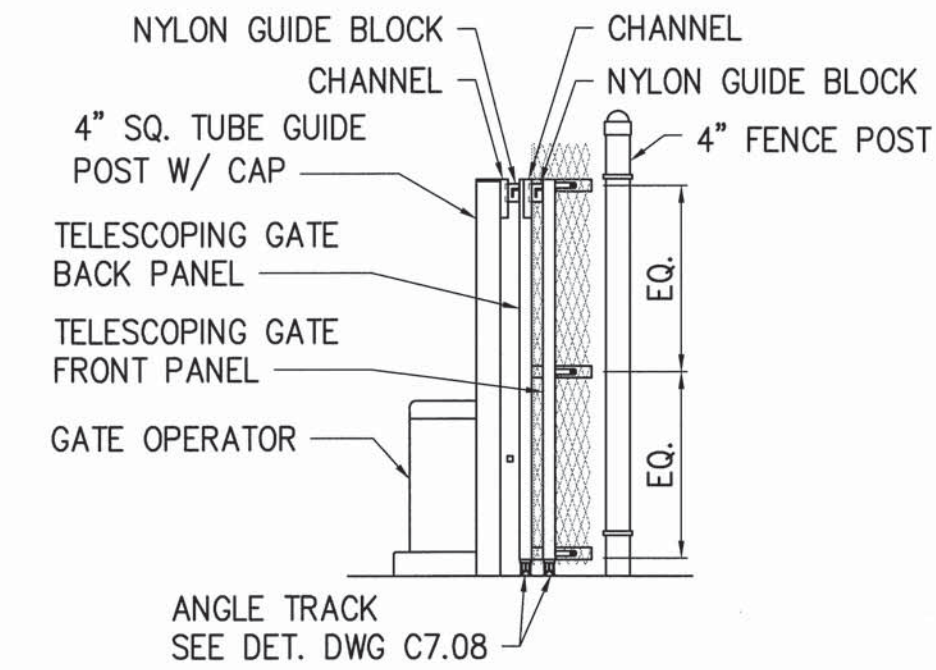


ELEVATION
SCALE: 3/8" = 1'-0"

*ADDITIONAL FRAMING SIZED FOR OPERATOR DRIVE CHAIN CONNECTION & TELESCOPING WIRE ROPE



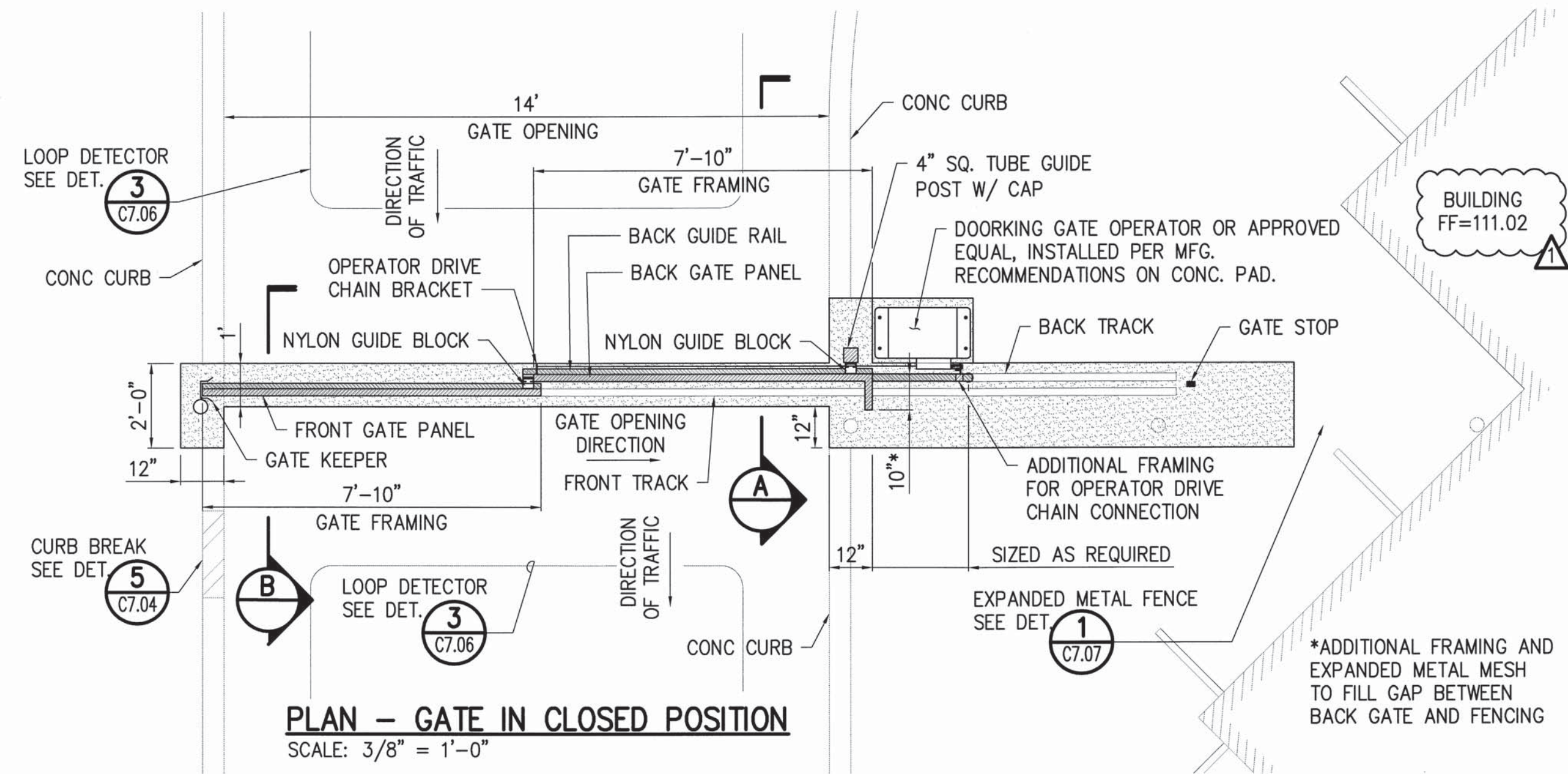
SECTION "A"
SCALE: 3/8" = 1'-0"



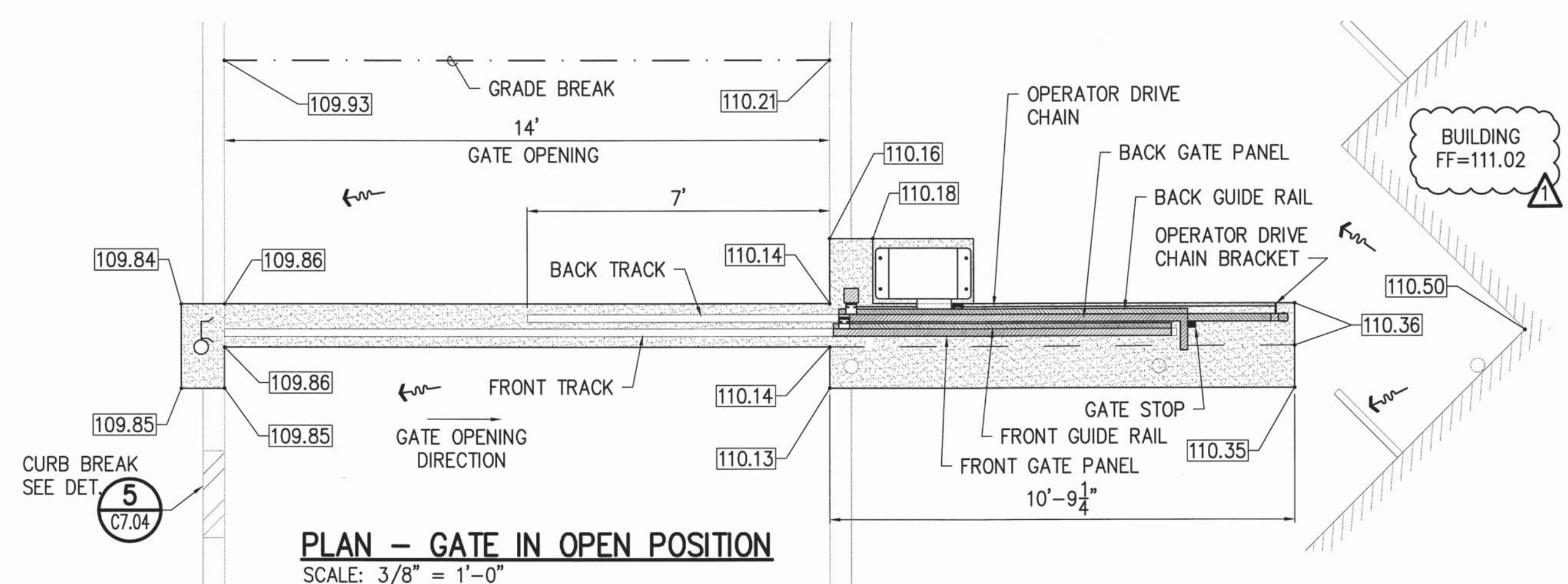
SECTION "B"
SCALE: 3/8" = 1'-0"

TELESCOPING GATE NOTES:

- SEE DWG. C7.08 FOR ADDITIONAL TELESCOPING GATE DETAILS. DETAILS DRAWN ARE BASED ON THE TELESCOPING MAIN GATE LAYOUT. THE DETAILS ARE APPLICABLE TO THIS TELESCOPING SECONDARY EXIT GATE LAYOUT, HOWEVER SOME DETAILS MAY BE A MIRROR IMAGE. REFER TO THIS LAYOUT FOR GATE COMPONENT ARRANGEMENT.
- GATE SHALL BE FITTED IN FIELD AND ADJUSTED AS NEEDED TO ENSURE PROPER OPERATION.
- GATE SHALL BE MANUFACTURED AND INSTALLED TO COMPLY WITH THE SAFETY REQUIREMENTS OF ASTM F2200 AND UL325.

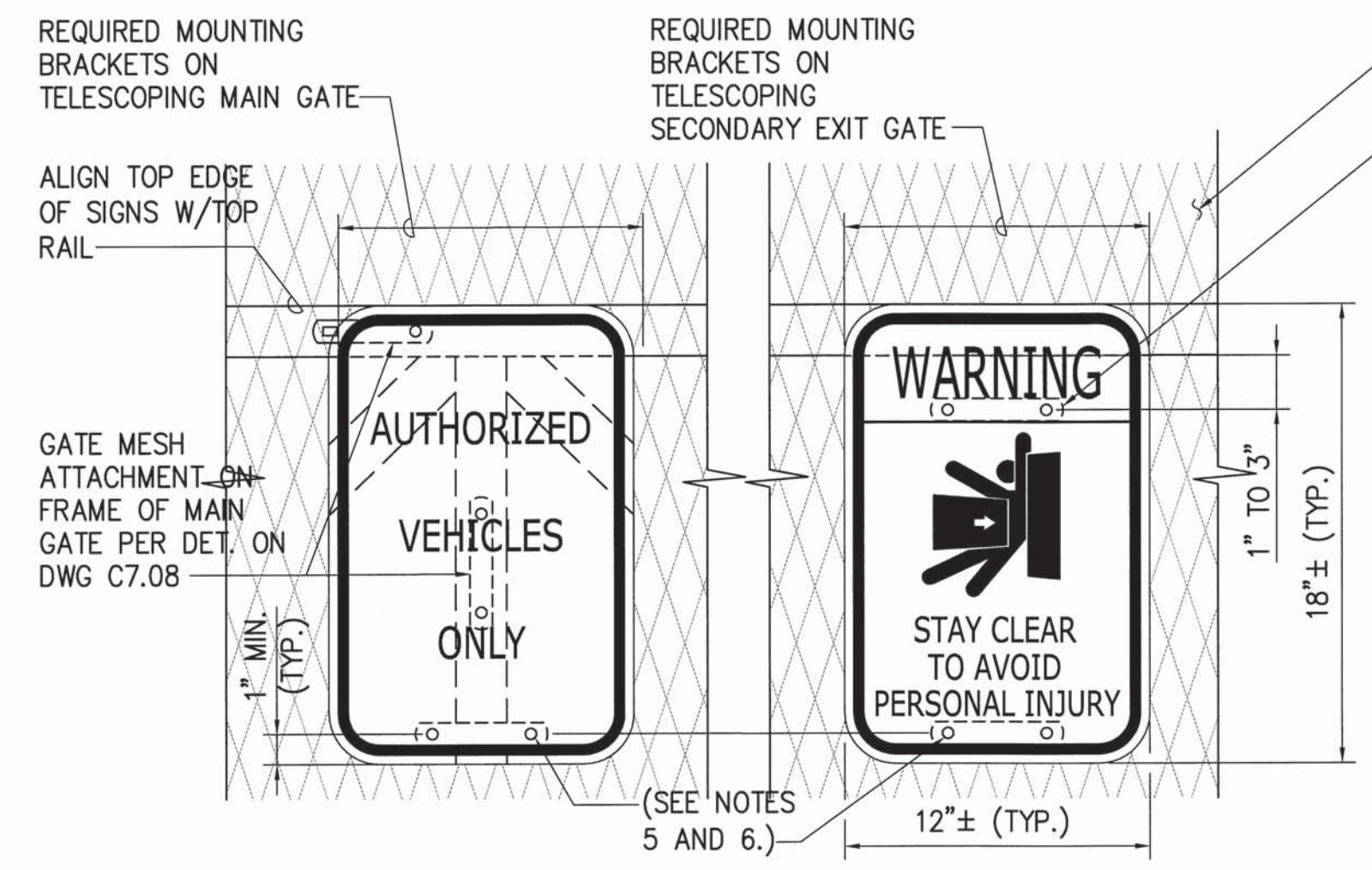


PLAN - GATE IN CLOSED POSITION
SCALE: 3/8" = 1'-0"



PLAN - GATE IN OPEN POSITION
SCALE: 3/8" = 1'-0"

1 TELESCOPING SECONDARY EXIT GATE
C7.09 NOT TO SCALE



VEHICLE SIGN **WARNING SIGN**

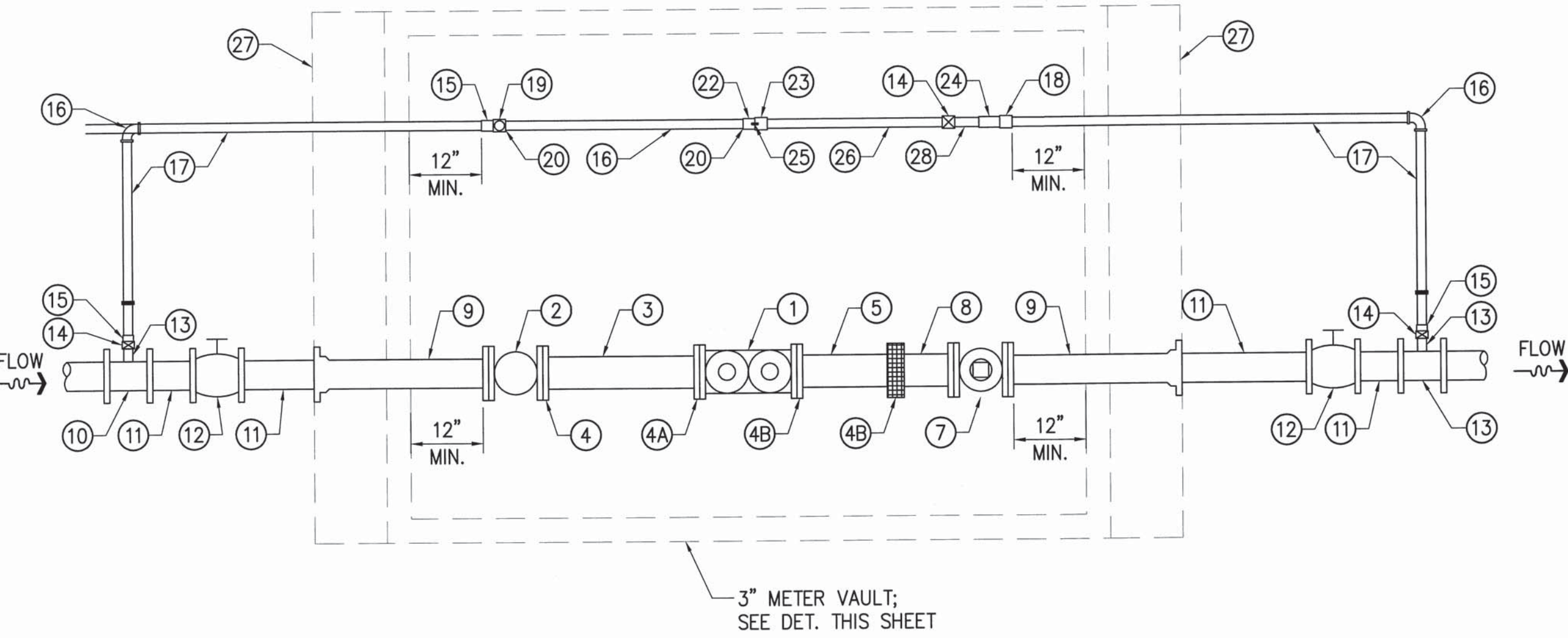
SIGN NOTES:

- SIGN SHALL BE ALUM T6061 SHT. COVERED WITH ENGINEERING GRADE REFLECTIVE SHT.ING.
- SIGN LETTERING SHALL BE 3/4" MIN. IN HEIGHT.
- COLOR OF LETTERING, SYMBOLS AND BORDER SHALL BE OF CONTRASTING COLOR TO WHITE BACKGROUND.
- FINAL DESIGN SHALL BE PRE-APPROVED BY THE ENGINEER.
- ADJUST POSITION OF MOUNTING BRACKETS TO AVOID COVERING LETTERING ON SIGN.
- PLACE BAR CLAMPS BEHIND SIGN ON EXP. METAL FENCE AND ADD 316SS WASHERS TO FRONT OF SIGN; SEE GATE MESH ATTACHMENT DET. ON SHT. C7.08

2 TELESCOPING GATE SIGN DETAIL
C7.09 NOT TO SCALE

L:\1. PROJECTS\63 - DLINR\16304 - Maui Admin Bldg\DESIGN\DRAWING\DETAILS-Diamond Fencing.dwg - 4/19/2016 12:02 PM

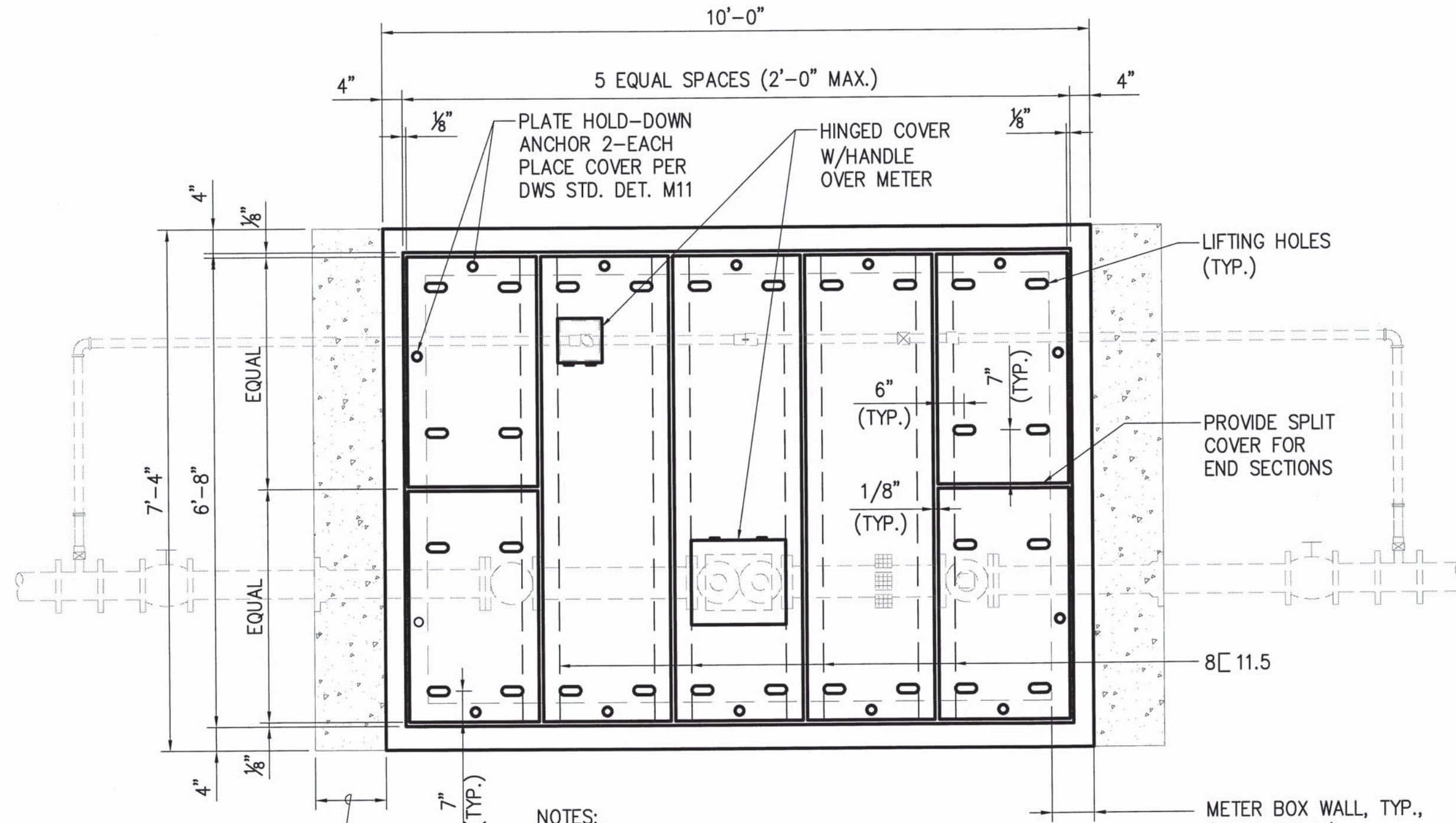
1	△	BID AMENDMENT NO. 1	20/53	04/15/16	
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
MAUI OFFICE ANNEX WAILUKU, MAUI, HAWAII					
DETAILS - 10					
DESIGNED: CJ		SUBMITTED:			
DRAWN: CJ		DATE: 03/15/2016			
CHECKED: YT		SCALE: AS SHOWN			
APPROVED: <i>[Signature]</i>		APR 19 2016		DRAWING NO. C7.09	
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.		DATE			



NO.	DESCRIPTION	NO.	DESCRIPTION
①	INSTALL TEMPORARY 3" DIA. FL X FL PLUGGED IDLER UNTIL A 3" METER IS INSTALLED BY DWS	⑭	2" BALL VALVE FEMALE NPT (B11-777)*
②	4" BADGER STRAINER, PE	⑮	2" ADAPTER MALE IPT X COPPER
③	3" NIPPLE BRASS (L=5 PIPE DIA. MIN.)	⑯	2" 90° ELBOW COPPER
④	4" X 3" COMPANION FLANGE	⑰	2" COPPER
④A	3" BRASS COMPANION FLANGE	⑱	2" ADAPTER, FEMALE IPT X COPPER
④B	3" FLANGED COUPLING ADAPTER	⑲	2" METER BALL VALVE, M X FLG (BF83- 777W)*
⑤	3" NIPPLE BRASS (L=3 PIPE DIA. MIN.), MALE IPT X PE	⑳	STAINLESS STEEL BOLT/NUTS 5/8" X 3" (TYPE 304)
⑥	3" UNION BRASS	㉑	PLUGGED IDLER, 2" X 17" FLG X FLG
⑦	4" CHECK VALVE	㉒	METER COUPLING, 2" FLG X LOK PAK
⑧	3" THREADED PVC NIPPLE (SCH 80)	㉓	2" BRASS CHECK VALVE (HS11- 777)*
⑨	4" D.I., BELL X FE	㉔	2" BRASS NIPPLE, 9" MIN.
⑩	4" D.I. BOSS TEE W/2" TAP, MJ	㉕	BRASS NIPPLE, 2" X 6"
⑪	4" D.I. NIPPLE, PE	㉖	BRASS NIPPLE, 2" X 14"
⑫	4" G.V. MJ W/SVB & COVER	㉗	THRUST BEAM
⑬	2" BRASS NIPPLE	㉘	DIELECTRIC COUPLING- 2" BRASS UNION W/4" PVC SCH 80 NIPPLE

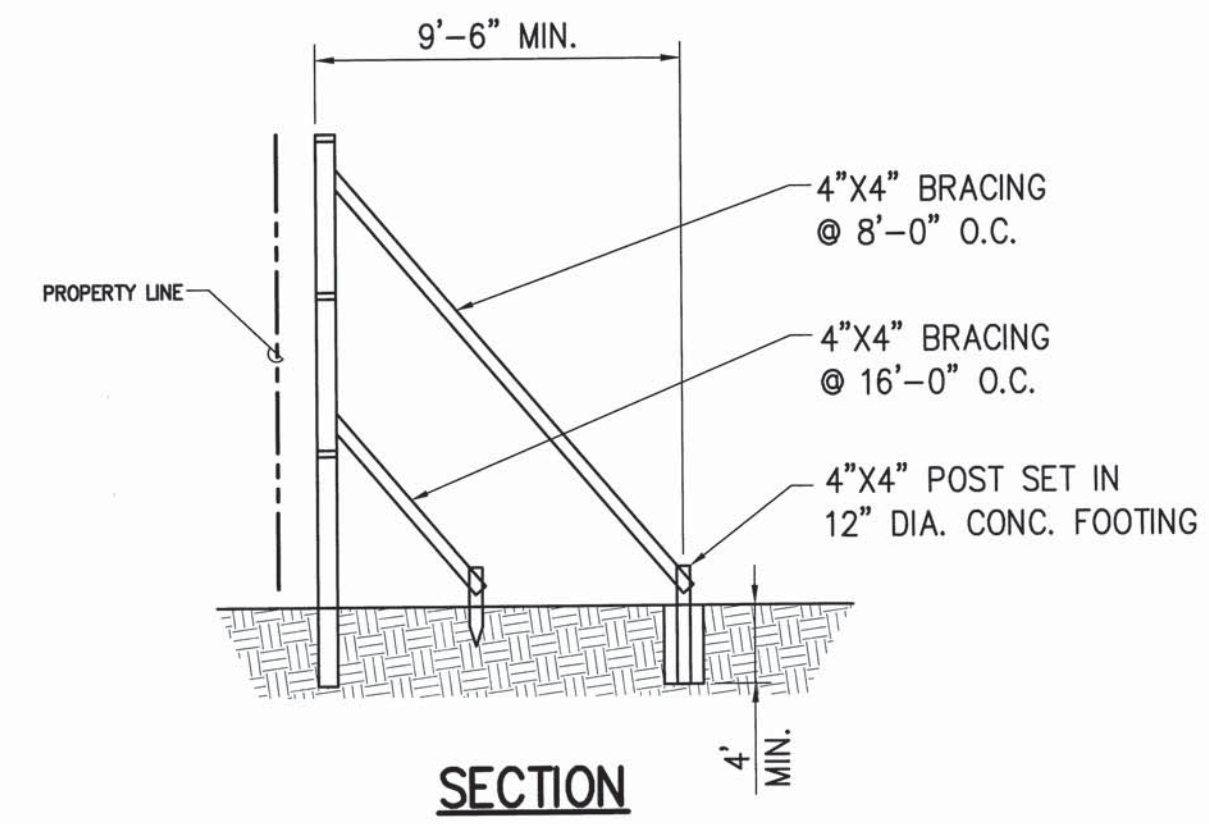
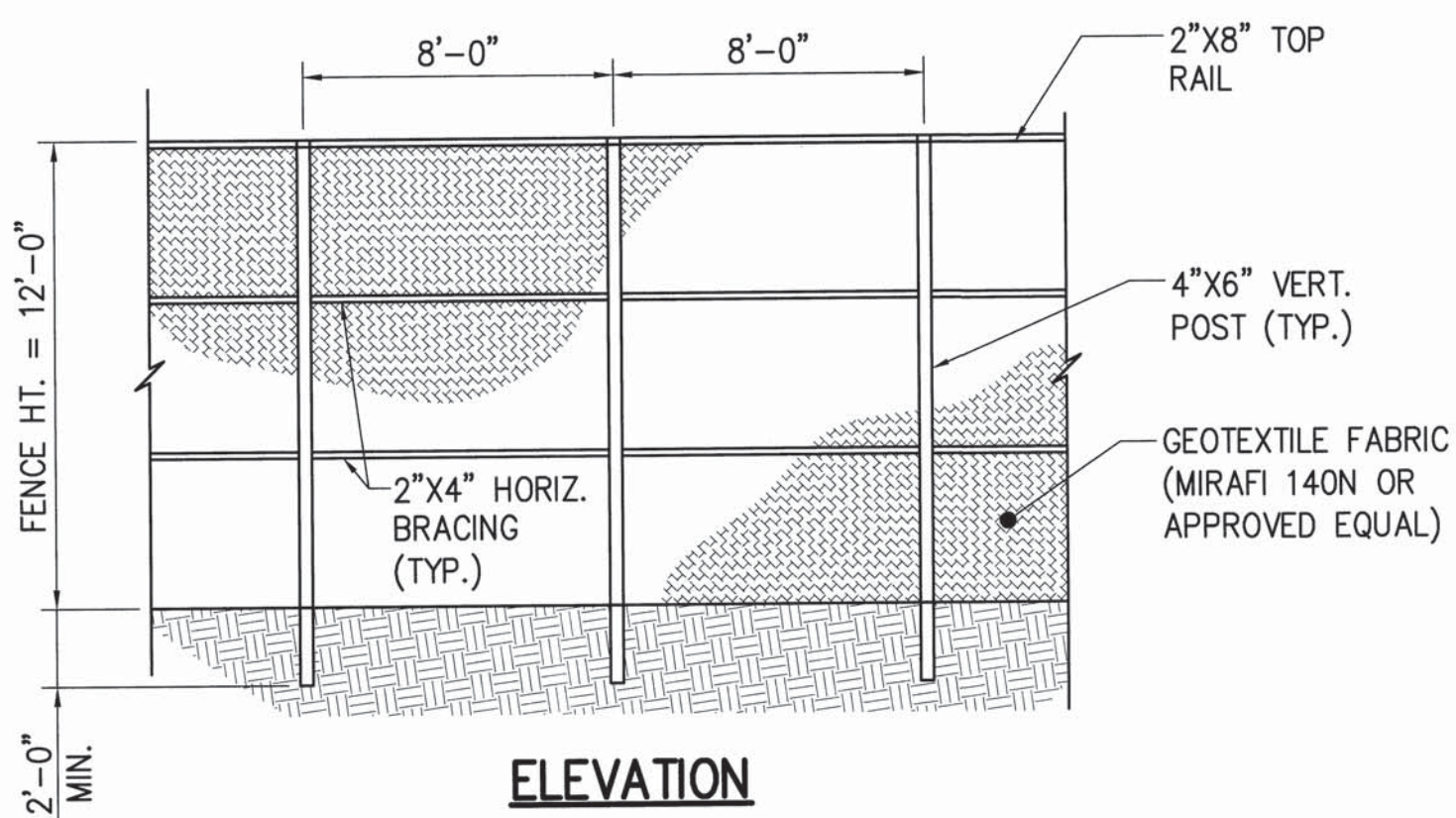
(X)* - MODEL NUMBER AS MANUFACTURED BY THE FORD METER BOX COMPANY, INC.

1 3" COMPOUND METER TYPICAL DETAIL
C7.10 NOT TO SCALE



- NOTES:
1. PLATE COVERS SHALL BE 1/4" CHECKERED 316 SS.
 2. FOR SECTION VIEWS AND HINGED COVER HANDLE DETAIL SEE DWS STD. DET. M11.
 3. 8"X8"X16" H.C.B., ALL CELLS GROUTED SOLID W/DWS 2500 CONCRETE OR W/1:3 MORTAR, OR USE PRECAST WALL SECTIONS.

2 3" WATER METER VAULT AND COVER DETAIL
C7.10 NOT TO SCALE



- NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGNING AND INSTALLING ADEQUATE SUPPORTS AS APPROVED BY THE ENGINEER.
 2. THE CONTRACTOR SHALL INSPECT THE DUST FENCE REGULARLY AND AFTER LARGE STORM EVENTS OR PERIODS OF HIGH WINDS AND REPAIR OR REPLACE ANY DAMAGED SECTIONS AS NECESSARY.

3 DUST FENCE DETAIL
C7.10 NOT TO SCALE

1	△	BID AMENDMENT NO. 1	21/53	04/15/16	
REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
MAUI OFFICE ANNEX WAILUKU, MAUI, HAWAII					
DETAILS- 11					
DESIGNED: YT			SUBMITTED:		
DRAWN: YT			DATE: 03/15/2016		
CHECKED: YT			SCALE: AS SHOWN		
APPROVED: <i>[Signature]</i>			DATE: APR 19 2016		
CHIEF ENGINEER			DRAWING NO. C7.10		

L:\PROJECTS\63 - DLNR\6304 - Maui Admin Bldg\DESIGN\DRAWING\DETAILS.dwg - 4/15/2016 2:08 AM