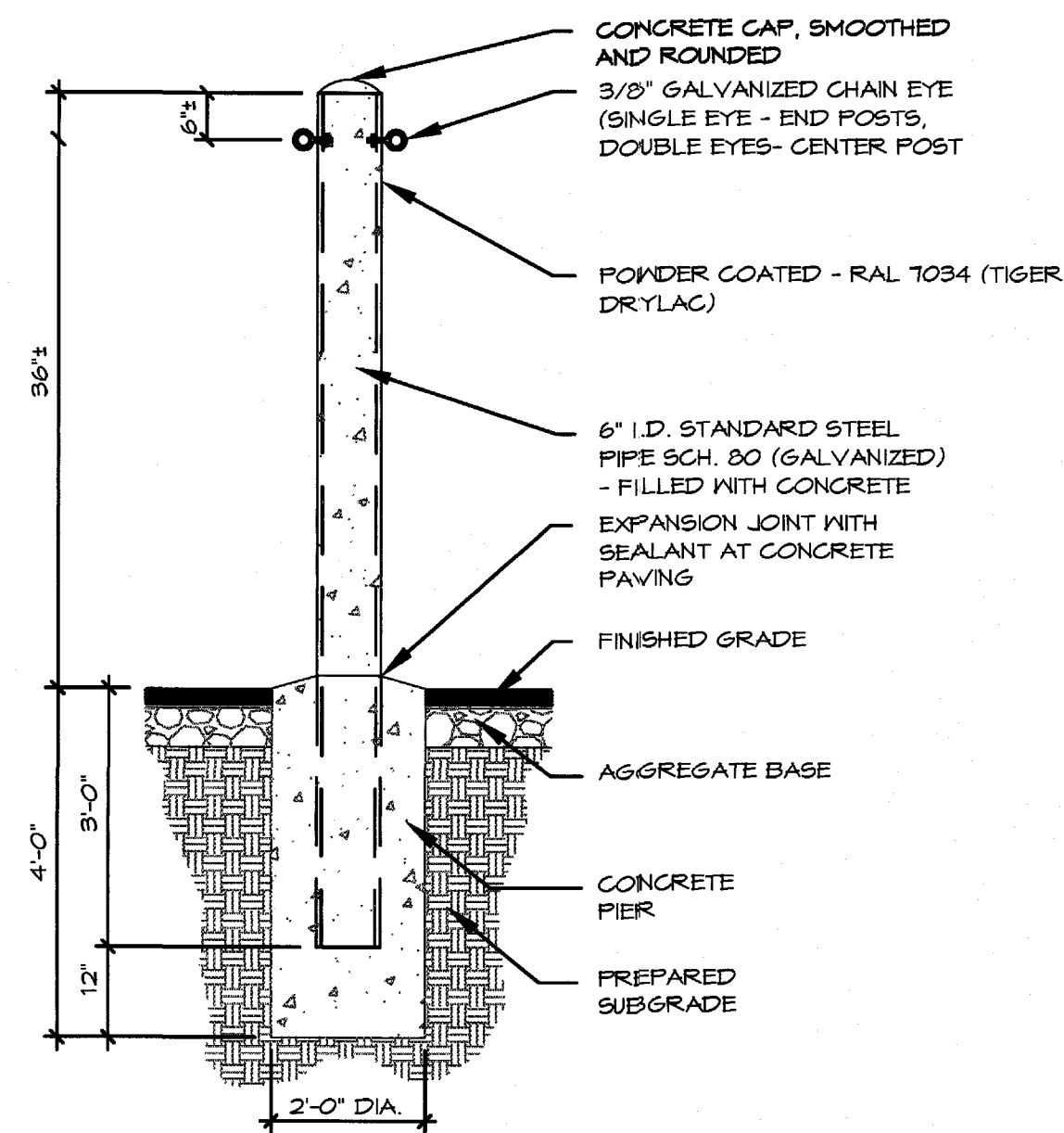
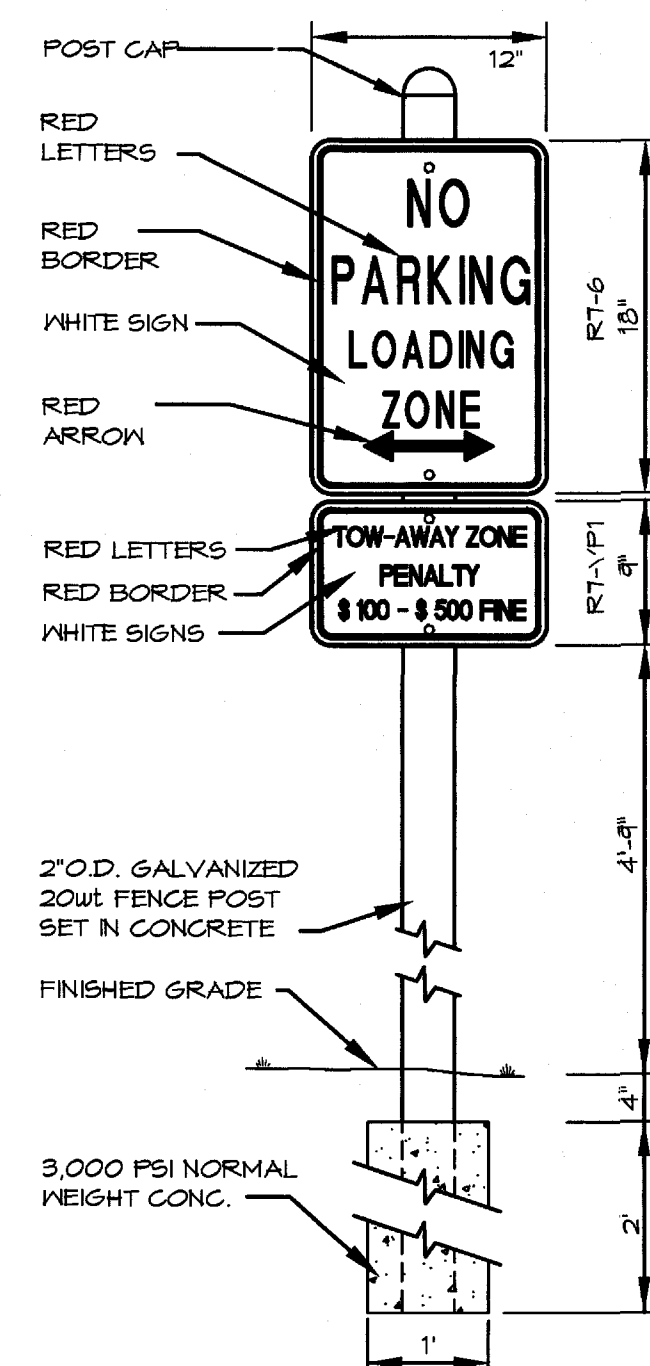


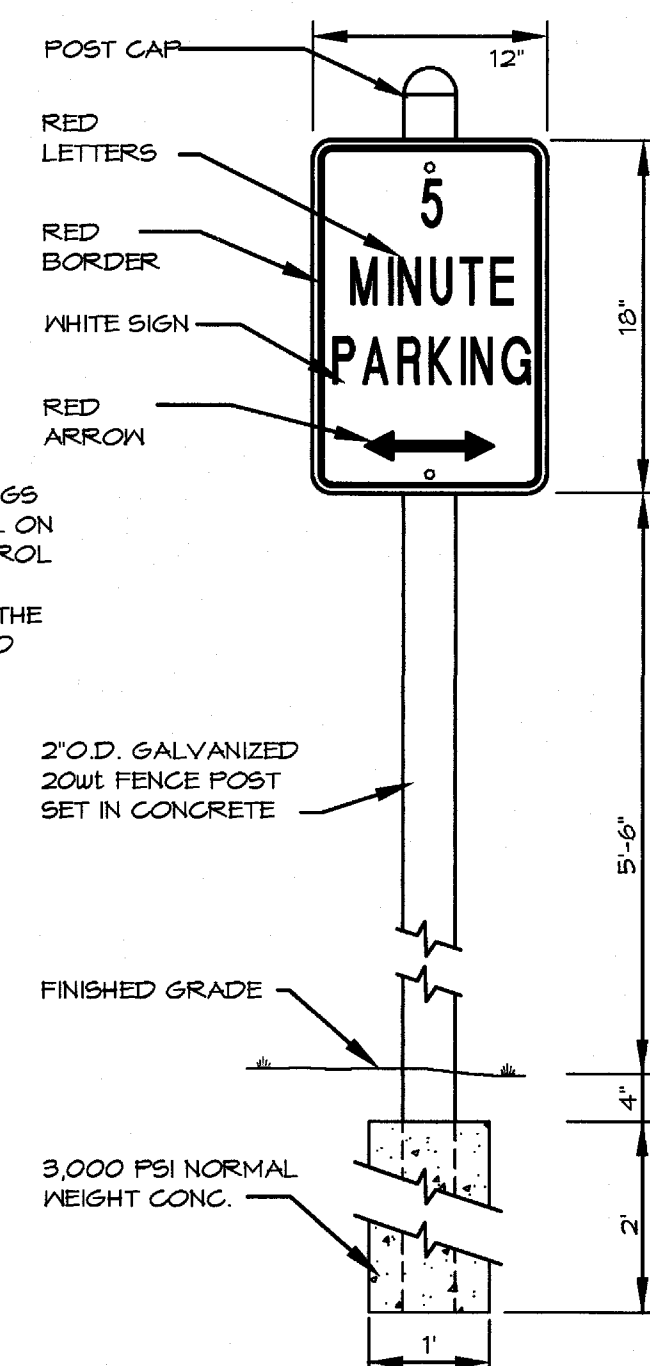


- NOTES:
 1. ALL OF THE BOLLARDS SHALL MATCH IN APPEARANCE.
 2. THE BOLLARD CHAIN SHALL BE 5/16\"/>

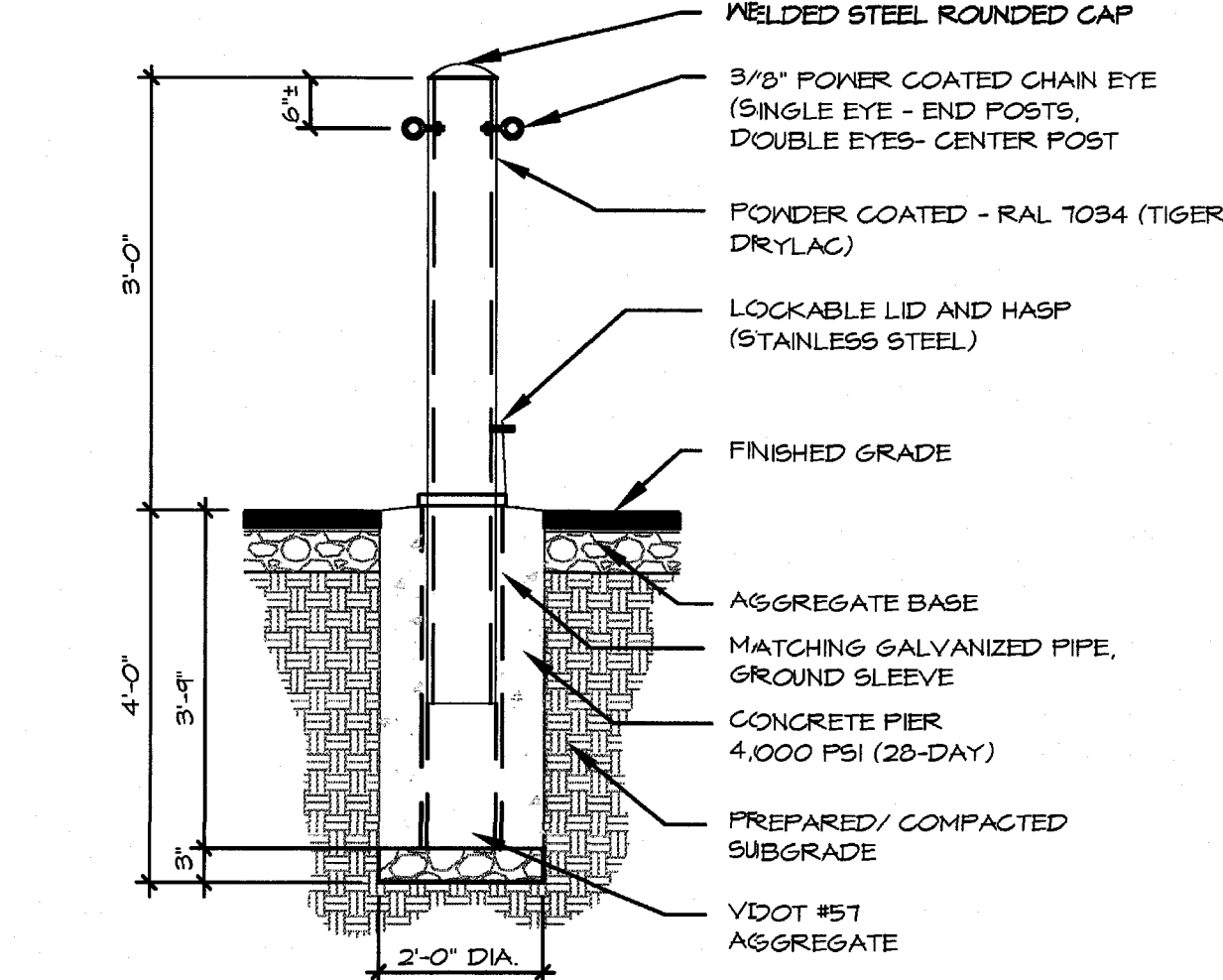
(A) FIXED CONCRETE BOLLARD
 NOT TO SCALE



(E) SIGN "A" LOADING ZONE
 NO SCALE



(F) SIGN "B" SICK CHILD PICKUP
 NO SCALE



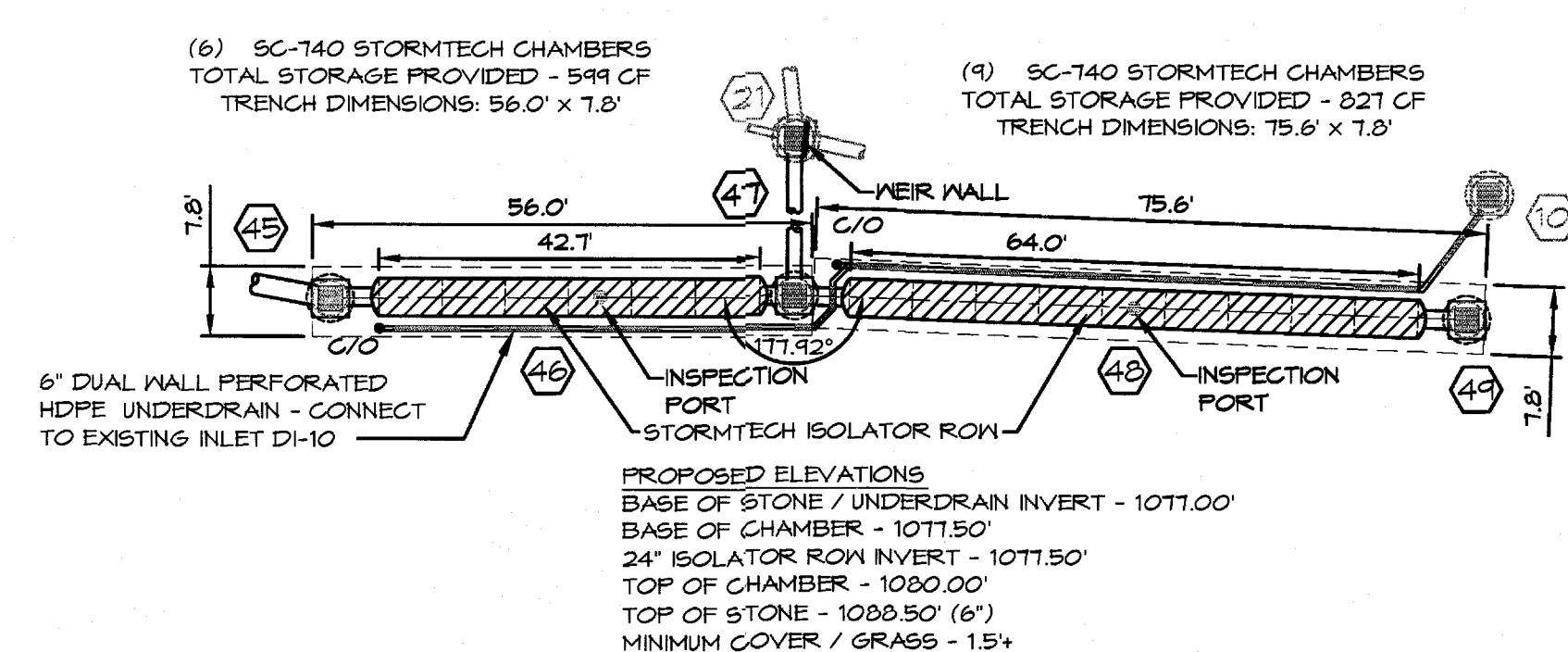
- NOTES:
 1. REMOVABLE/LOCKABLE BOLLARD SHALL BE A FLUSH MOUNT TRAFFIC GUARD RPL4 OR APPROVED EQUAL.
 2. THE BOLLARD CHAIN SHALL BE 5/16\"/>

(B) REMOVABLE BOLLARD
 NOT TO SCALE

DRAINAGE DESCRIPTIONS (ADDITIONAL)

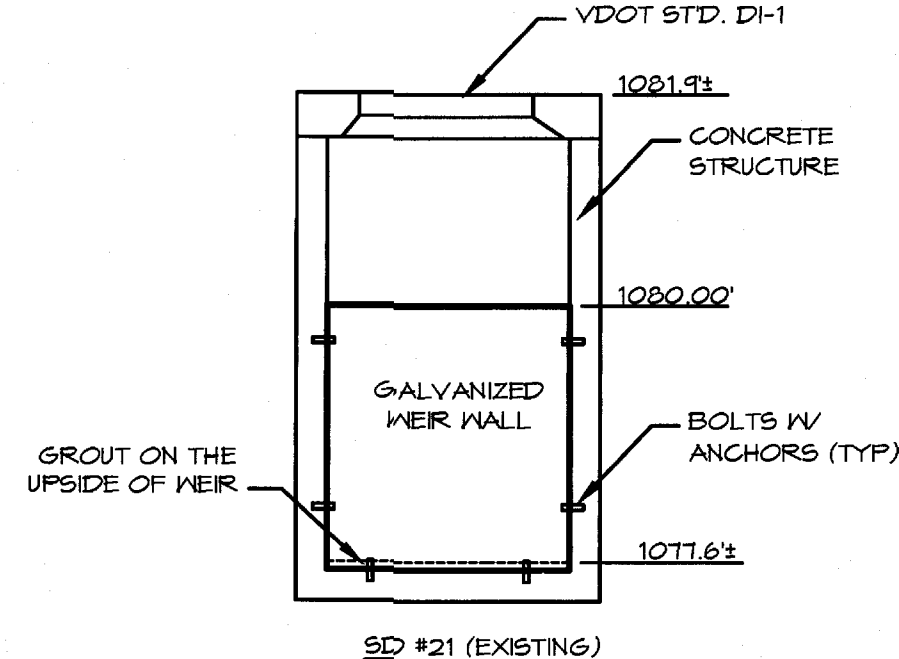
43	VDOT STD. DI-1 TOP ELEV. 1081.50' INV. OUT 1078.75' (10\"/>	H=2.75'	21	EXISTING INLET #21 CORE OPENING FOR 10\"/>
44	VDOT STD. DI-1 TOP ELEV. 1081.00' INV. IN 1078.15' (10\"/>	H=3.0'	21-47	21 LF 10\"/>
43-44	111 LF 10\"/>		48	STORMTECH 740 WATER QUALITY CHAMBERS 6 CHAMBER ISOLATOR ROW INV. IN 1071.50' (24\"/>
45	VDOT STD. DI-1 TOP ELEV. 1081.00' INV. IN 1078.15' (10\"/>	H=4.4'	47-48	4 LF 24\"/>
43-45	78 LF 15\"/>		49	VDOT STD. DI-1 TOP ELEV. 1081.75' INV. OUT 1071.50' (24\"/>
46	STORMTECH 740 WATER QUALITY CHAMBERS 6 CHAMBER ISOLATOR ROW INV. IN 1071.50' (24\"/>		48-49	9 LF 6\"/>
45-46	3 LF 24\"/>		50	NYLOPLAST 2824AG INLET H=8.1\"/>
47	VDOT STD. DI-1 TOP ELEV. 1081.00' INV. IN 1071.50' (24\"/>	H=4.5'	50-51	18 LF 10\"/>
46-47	2 LF 24\"/>		51	40 LF 4\"/>

- DRAINAGE NOTES:**
 1. ALL HDPE PIPE SHALL BE ADS N-12 OR EQUIVALENT APPROVED BY THE ARCHITECT.
 2. ALL CONCRETE PIPE SHALL BE REINFORCED, VDOT CLASS III.
 3. ALL PIPING SHALL BE INSTALLED PER VDOT STD. FB-1, METHOD A.
 4. VERIFY ALL ELEVATIONS PRIOR TO ORDERING MATERIALS.
 5. ADJUST ELEVATIONS TO MATCH FIELD CONDITIONS. ALL STRUCTURE HEIGHTS ARE FOR CONTRACTORS' CONVENIENCE, VERIFY.
 6. CONTACT THE ARCHITECT/ENGINEER IF ROCK IS ENCOUNTERED.
 7. PIPE LENGTHS ARE FROM STRUCTURE TO STRUCTURE AND BASED ON PLAN VIEW.
 8. ALL ELEVATIONS ARE TO 1\"/>



- STORMTECH NOTES:**
 1. THE STORMTECH CHAMBERS SHALL BE CONFIGURED AS THE ISOLATOR ROW.
 2. REFER TO THE MANUFACTURER FOR ALL DETAILS AND SPECIFICATIONS.
 3. INSTALL TWO (2) 6-INCH CLEANOUTS WHERE SHOWN. SEE DETAIL 'L' SHEET SP-10 FOR DETAILS.

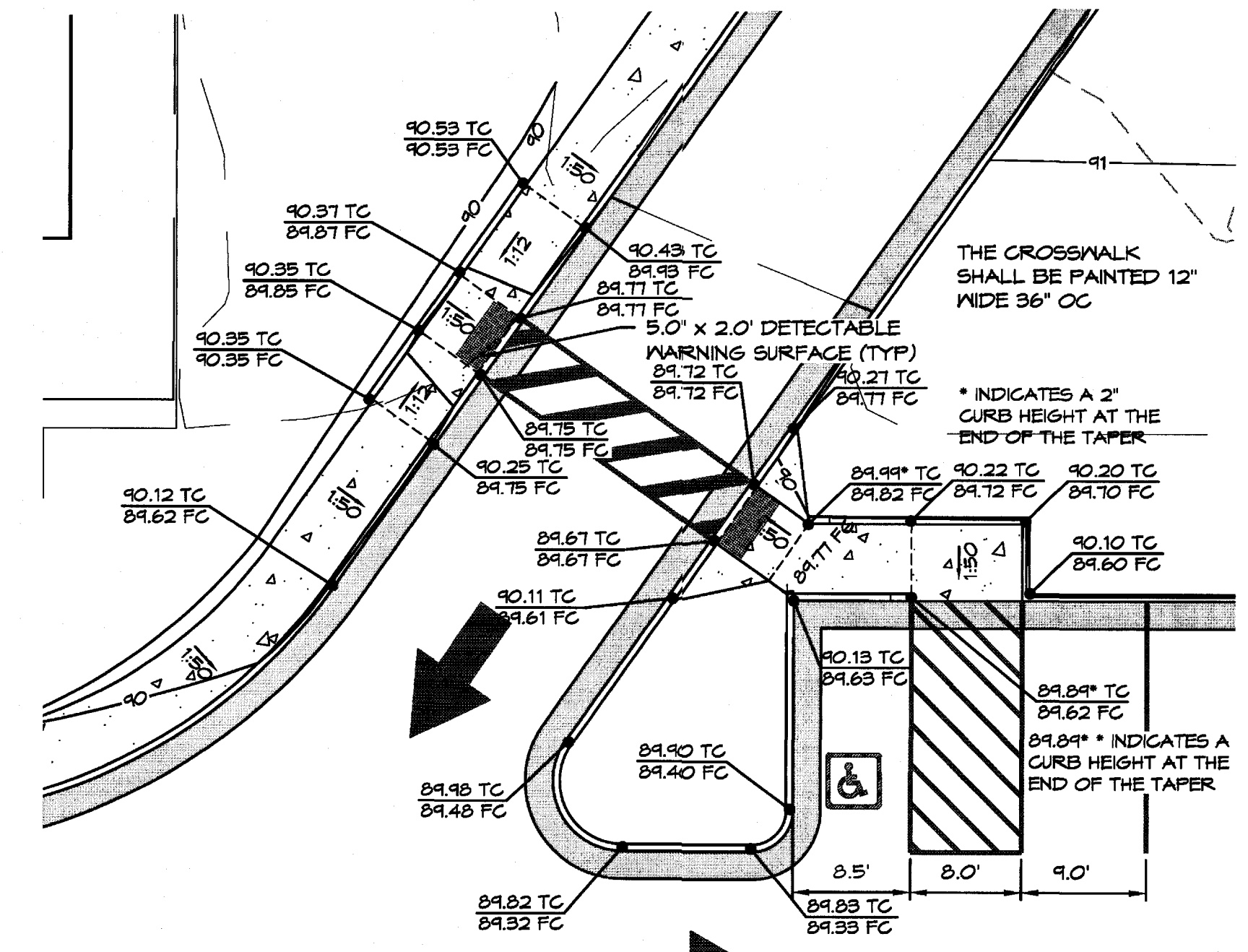
(C) STORMTECH CHAMBERS #46&48
 NO SCALE



- NOTES:**
 1. ATTACH TO MANHOLE WALL WITH SIX, TWO ON EACH SIDE AND BOTTOM, STAINLESS STEEL BOLTS WITH CONCRETE ANCHORS AND GROUT BOTTOM AND SIDES AS NEEDED TO PROVIDE WATERTIGHT SEAL (1/4\"/>

(D) EXISTING STRUCTURE #21
 NO SCALE

A THIS IS A NEW SHEET - ALL ITEMS ARE NEW/REVISED FOR THE FINAL PORTION OF THE PROJECT



UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY.

HRC RAMPS DETAIL

Scale 1" = 10'