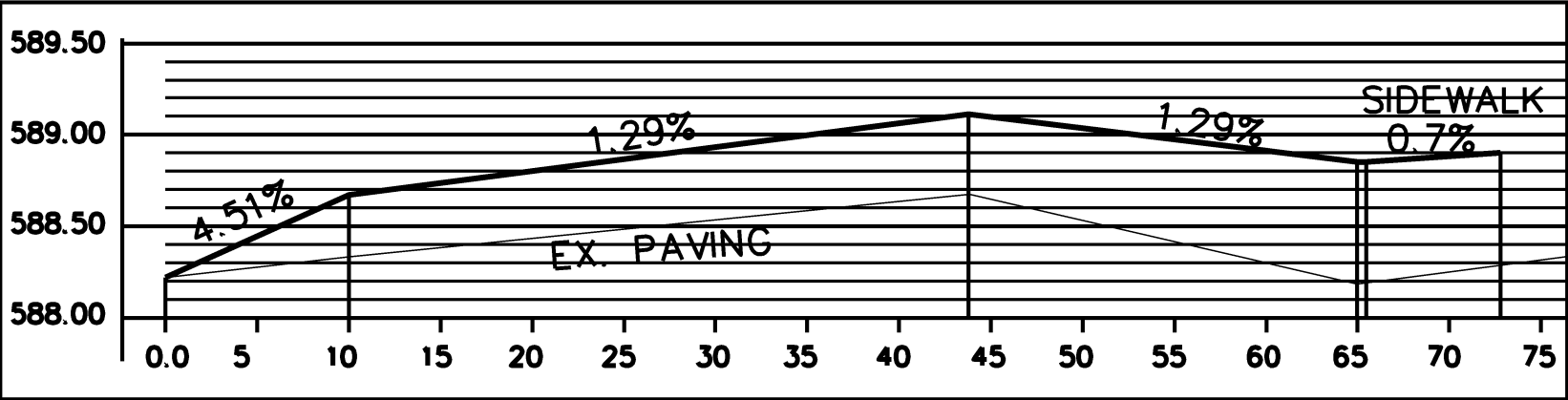


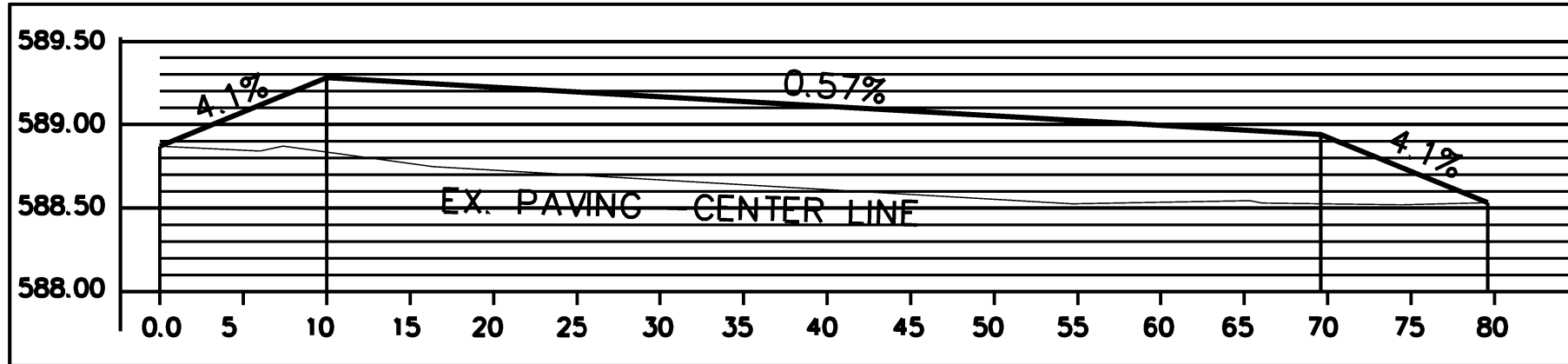
CROSS SECTION A-A



VERTICAL SCALE: 1" = 1'

HORIZONTAL SCALE: 1"=10'

CROSS SECTION B-B



VERTICAL SCALE: 1"=1

HORIZONTAL SCALE: 1"=10'

[illegible]

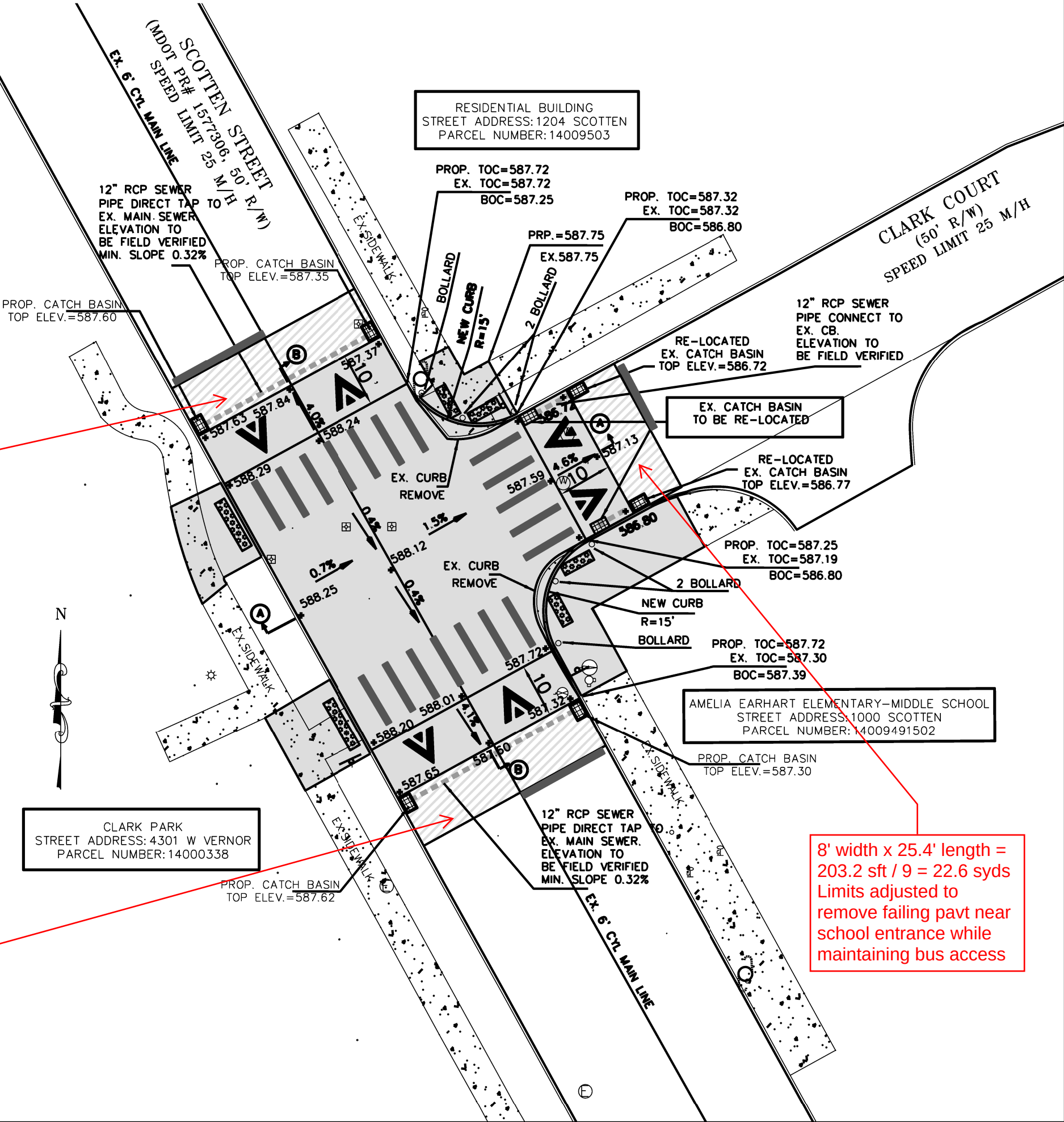
SCOTTEN - CLARK				
ITEM NO.	DESCRIPTION OF ITEM	ITEM ID	PAY UNIT	QTY2
1	Dr Structure, Rem	2030011	Ea	2
2	Sidewalk, Rem	2040055	Syd	113
3	_Curb, Rem, Modified	2047001	Ft	220
4	Pavt, Rem	2040050	Syd	405
5	Aggregate Base, 8 inch	3020020	Syd	405
6	Sewer, CI IV, 12 inch, Tr Det B	4020987	Ft	120
7	Sewer Tap, 12 inch	4021204	Ea	4
9	_Dr Structure Lead, Cleaning, Modified	4037001	Ft	20
10	_Dr Structure Cleaning, Modified	4037050	Ea	2
11	_Dr Structure Cover, Adj, Case 1, Modified	4037050	Ea	5
12	_Drainage Structure Cover, Type CB, Modified	4037050	Ea	6
13	_Drainage Structure Cover, Type Water MH, Modified	4037050	Ea	2
14	_Reconstructing Dr Structure, Case 1, Modified	4037050	Ea	3
15	_Dr Structure 48 Inch DIA, Modified	4037050	Ea	6
16	HMA Surface, Rem	5010005	Syd	405
17	HMA, 5E3			
18	_Cold Milling HMA Surface, Modified			
19	Conditioning Existing Pavement, Modified (7% of 4E3+5E3)			
20	_Pavt Repr, Nonreinf Conc, 8 inch, Modified			
21	Conc Pavt, Nonreinf, 8 inch			
22	lane Tie, Epoxy, Anchored			
23	Sawing and Sealing longit Pavt Joints			
24	Sawing and Sealing Trans Pavt Joints	6030096	Ft	286
25	_Curb, Conc, Detail CD, Modified	8027001	Ft	220
26	_Detectable Warning Surface Tile, Modified	8027001	Ft	60
27	_Sidewalk, Conc, 4 inch, Modified	8027010	Sft	300
28	_Sidewalk, Conc, 6 inch, Modified	8027010	Sft	711
29	Curb Ramp Opening, Conc	8030030	Ft	70
30	_Bollard	8507050	Ea	6
31	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	Ft	340
32	Pavt Mrkg, Polyurea, 18 inch, Stop Bar	8110113	Ft	60
33	Pavt Mrkg, Polyurea, V shaped ramp SYM	8117050	Ea	6
34	Sodding	8160055	Syd	9
35	_Topsoil Surface, Furn, LM, Modified	8167021	Cyd	6
36	_Water Shutoff, Adj, Case II, Modified	8237050	Ea	1

10.7' width x 38' length = 406.6 sft / 9 = 45.2 syds
limits adjusted to remove distressed pavt

5.5' width x 38.3' length = 210.65 sft / 9 = 23.4 syds
limits determined to match crack in HMA (pavt joint)

8' width x 25.4' length = 203.2 sft / 9 = 22.6 syds
Limits adjusted to remove failing pavt near school entrance while maintaining bus access

NOTE:
1. CONNECT THE PROPOSED CATCH BASIN TO THE EX. CATCH BASIN OR SEWER LINE. THE INVERT ELEVATION TO BE FIELD VERIFIED.
2. REFER TO THE CITY SIDEWALK RAMP AND DETECTABLE WARNING DETAILS (R-28 WITH CITY OF DETROIT THICKNESS AMENDMENT) AND SIDEWALK JOINTING STANDARDS (C-4462)
3. THE MINIMUM SEWER PIPE SLOPE IS 0.32%.



The graph illustrates the erosion of a \$1 million investment over a 75-year period. The y-axis represents the investment value in dollars, ranging from \$586.50 to \$588.00. The x-axis represents time in years, ranging from 0.0 to 75. The investment value starts at \$1,000,000 and declines to approximately \$587,000. The decline is segmented into three periods with rates of 0.7%, 1.50%, and 4.6%.

Year	Investment Value (\$)	Rate of Decline (%)
0.0	1,000,000	-
20.0	~993,000	0.7%
54.0	~587,500	1.50%
66.0	~587,000	4.6%

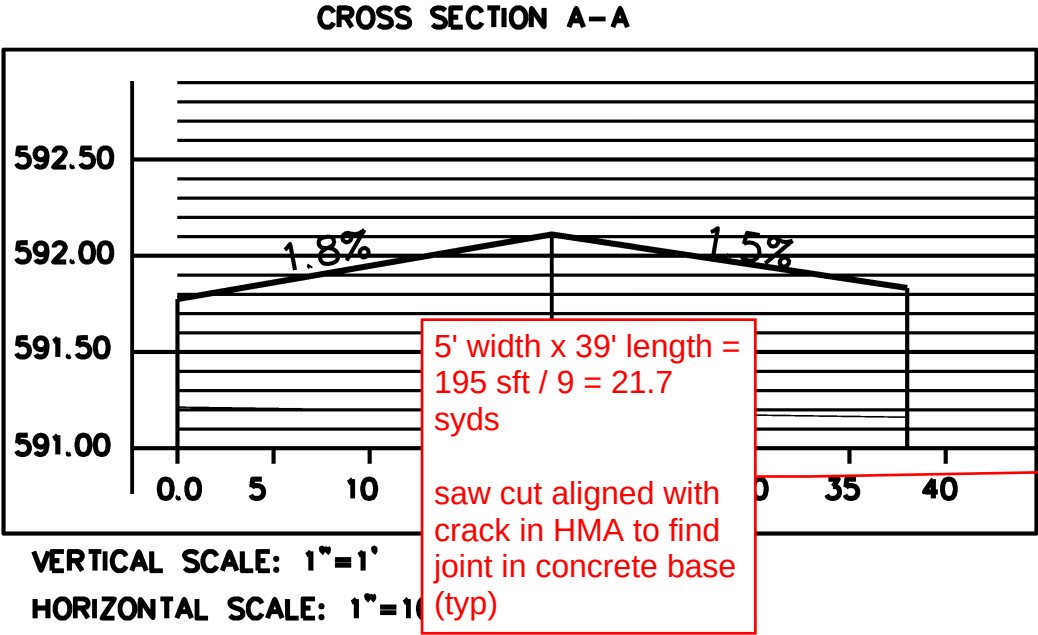
HORIZONTAL SCALE: 1"=10'

Profile view of a proposed road section. The vertical axis represents elevation in feet, ranging from 587.00 to 588.50. The horizontal axis represents stationing, ranging from 0.0 to 80. The profile shows a center line (EX. PAVING CENTER LINE) and existing paving. Key features include a 0.7% grade from station 0.0 to 10.0, a 0.4% grade from station 10.0 to 65.0, and a 4.1% grade from station 65.0 to 75.0. The center line is labeled "EX. PAVING CENTER LINE".

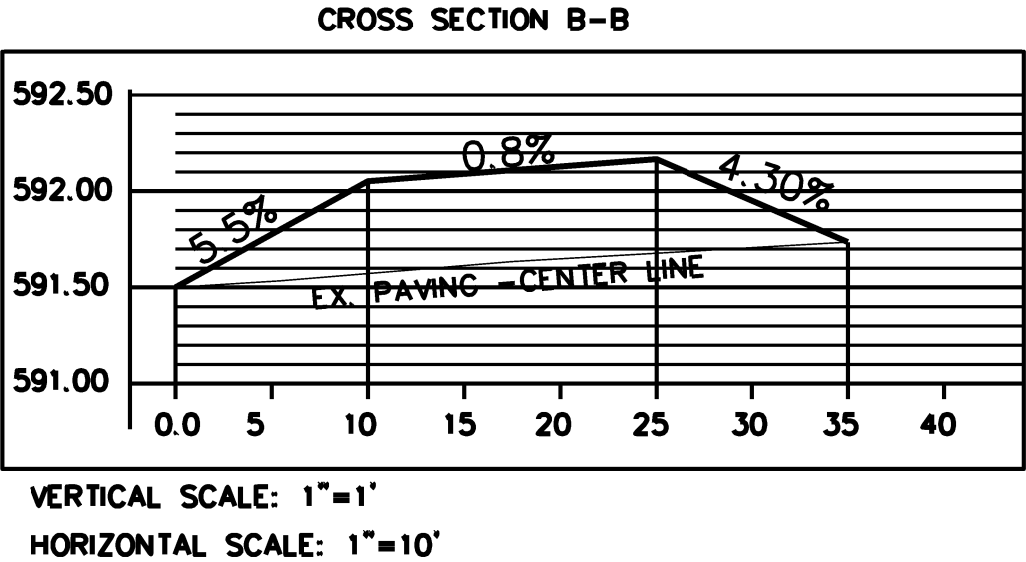
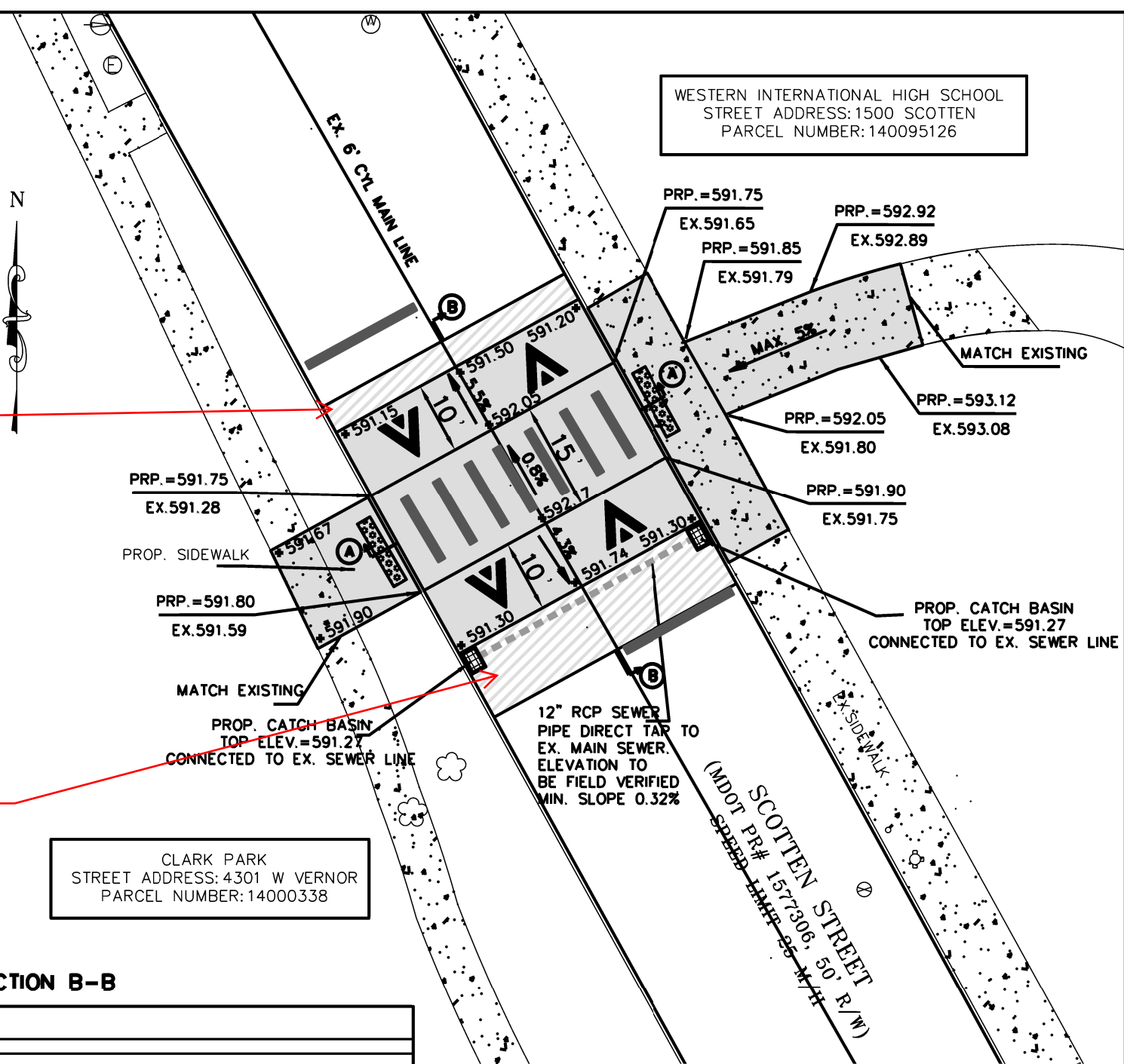
HORIZONTAL SCALE: 1"=10'

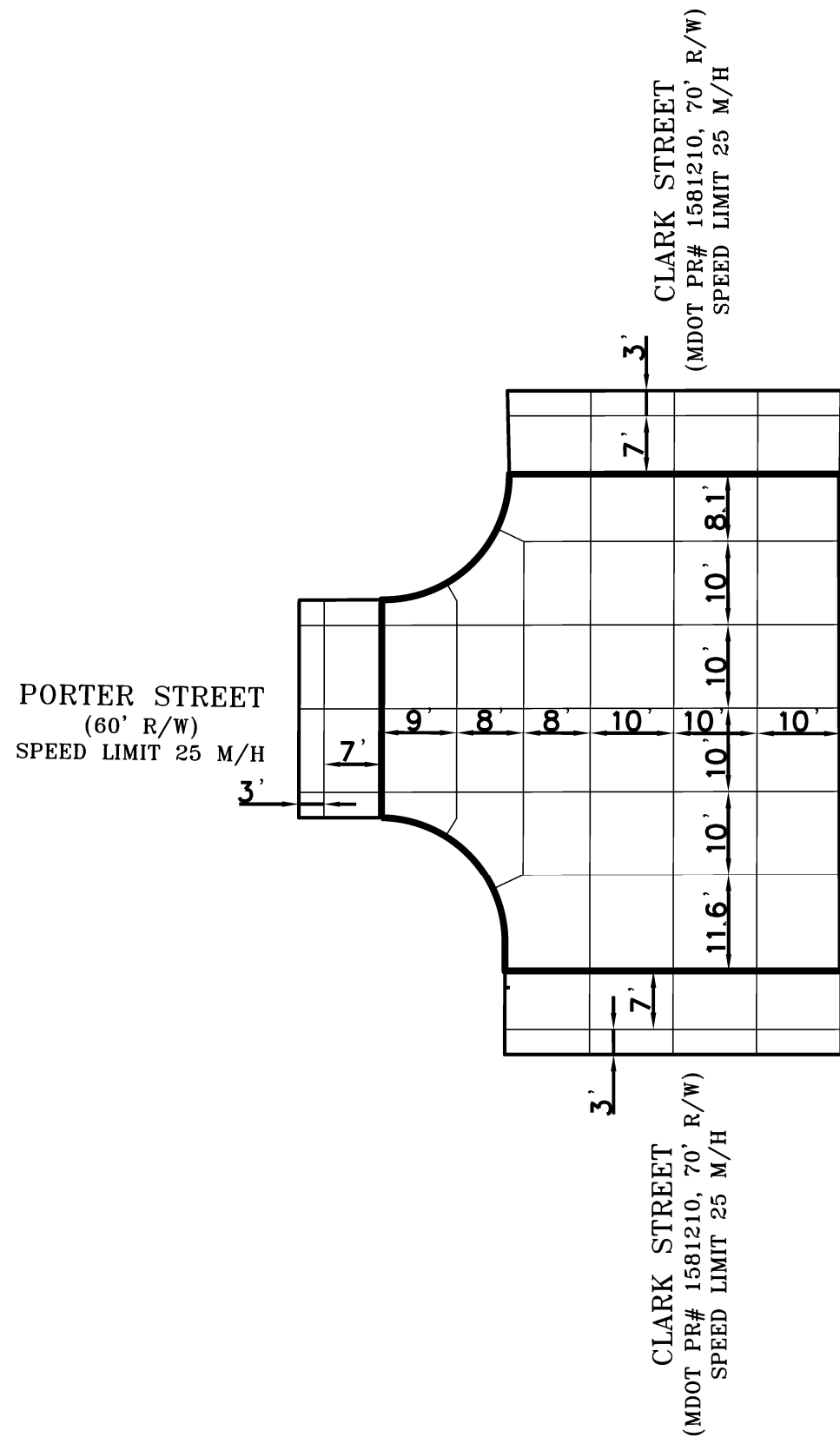
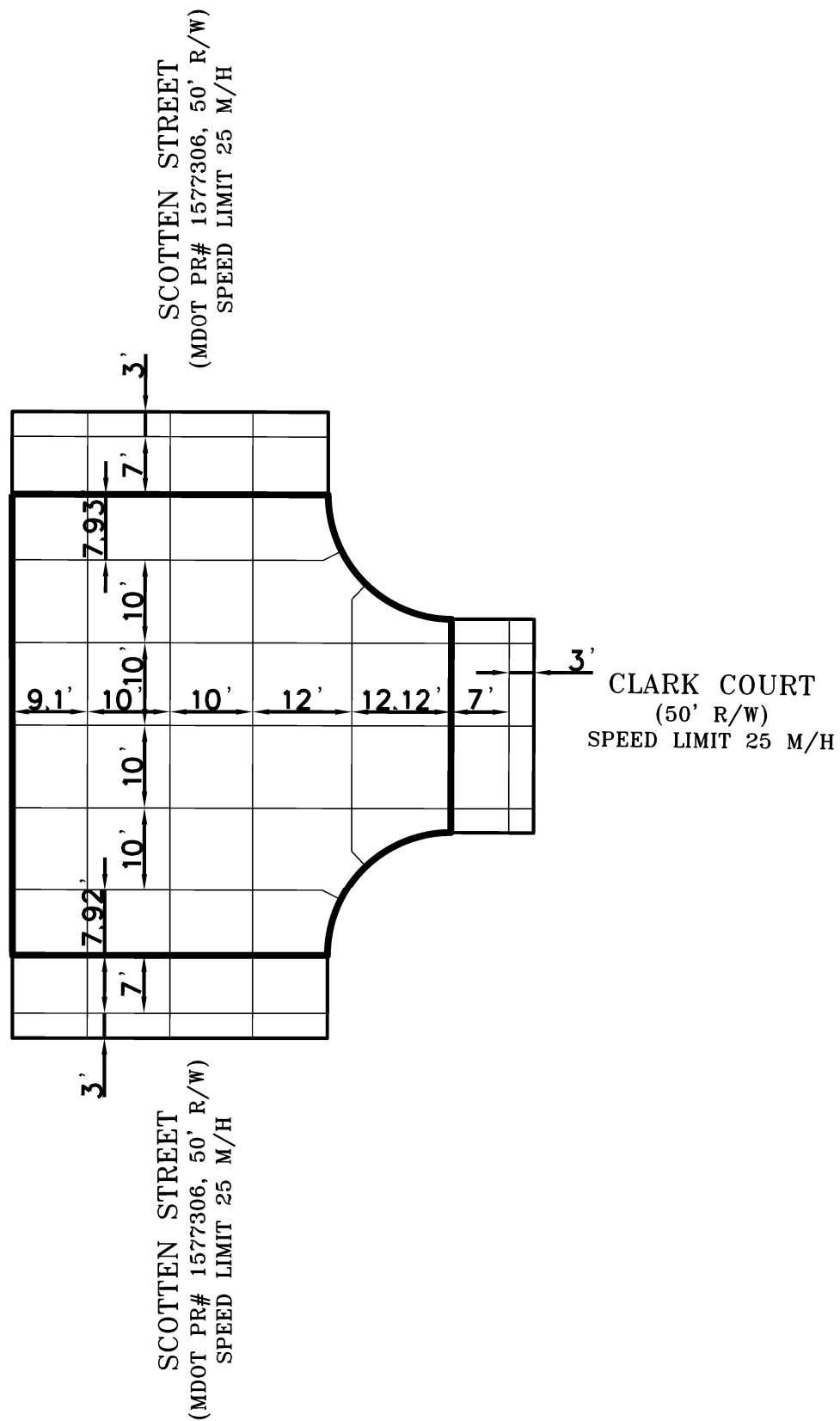
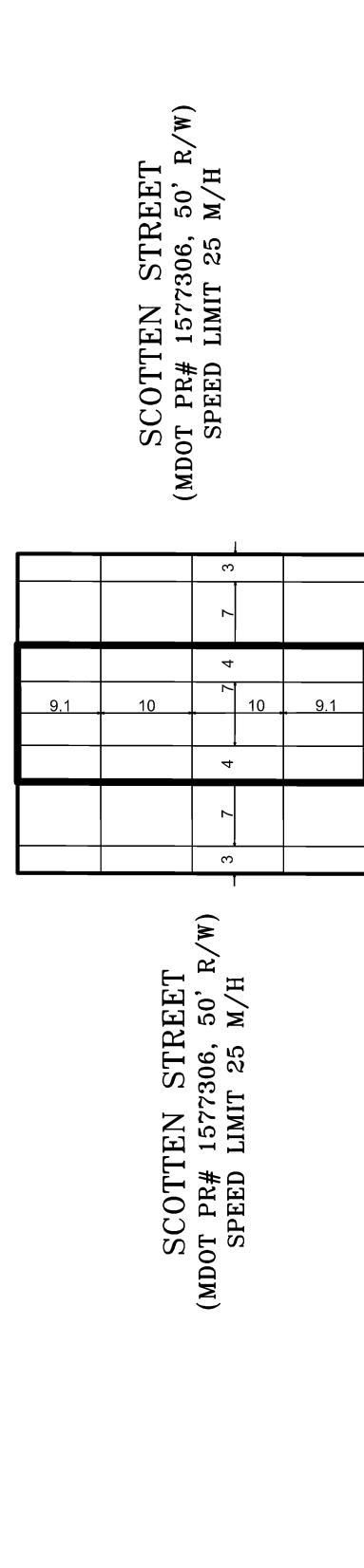
[illegible]

- NOTE:
1. CONNECT THE PROPOSED CATCH BASIN TO THE EX. CATCH BASIN OR STORM SEWER LINE. THE INVERT ELEVATION TO BE FIELD VERIFIED.
 2. REFER TO THE CITY SIDEWALK RAMP AND DETECTABLE WARNING DETAILS (R-28 WITH CITY OF DETROIT THICKNESS AMENDMENT) AND SIDEWALK JOINTING STANDARDS (C-4462).
 3. THE MINIMUM SEWER PIPE SLOPE IS 0.32%.



SCOTTEN - FRONT OF HIGH SCHOOL				
ITEM NO.	DESCRIPTION OF ITEM	ITEM ID	PAY UNIT	QTY
1	Sidewalk, Rem	2040055	Syd	108
2	_Curb, Rem, Modified	2047001	Ft	95
3	Pavt, Rem	2040050	Syd	149
4	Aggregate Base, 8 inch	3020020	Syd	149
5	Sewer, CI IV, 12 inch, Tr Det B	4020987	Ft	40
6	Sewer Tap, 12 inch	4021204	Ea	2
8	_Drainage Structure Cover, Type CB, Modified	4037050	Ea	2
9	_Dr Structure 48 Inch DIA, Modified	4037050	Ea	2
10	HMA Surface, Rem	5010005	Syd	149
11	HMA, 5E3	5010057	Ton	5
12	_Cold Milling HMA Surface, Modified	5017011	Syd	60
13	Conditioning Existing Pavement, Modified (7% of 4E3+5E3)	5017031	Ton	0.35
14	_Pavt Repr, Nonreinf Conc, 8 inch, Modified	6027011	Syd	60
15	Conc Pavt, Nonreinf, 8 inch	6020104	Syd	149
16	lane Tie, Epoxy, Anchored	6030030	Ea	222
17	Sawing and Sealing longit Pavt Joints	6030095	Ft	105
18	Sawing and Sealing Trans Pavt Joints	6030096	Ft	152
19	_Curb, Conc, Detail CD, Modified	8027001	Ft	95
20	_Detectable Warning Surface Tile, Modified	8027001	Ft	20
21	_Sidewalk, Conc, 4 inch, Modified	8027010	Sft	736
22	_Sidewalk, Conc, 6 inch, Modified	8027010	Sft	236
23	Pavt Mrkg, Polyurea, 12 inch, Crosswalk	8110110	Ft	130
24	Pavt Mrkg, Polyurea, 18 inch, Stop Bar	8110113	Ft	40
25	Pavt Mrkg, Polyurea, V shaped ramp SYM	8117050	Ea	4
26	Sodding	8160055	Syd	4
27	_Topsoil Surface, Furn, LM, Modified	8167021	Cyd	2.5





FINAL ROW PLAN REVISIONS (SUBMITTAL DATE: 06 / 23/ 2021)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



DESIGNED BY :	Alan Ko
DRAWN BY :	Sami Kaffarani
CHECKED BY :	

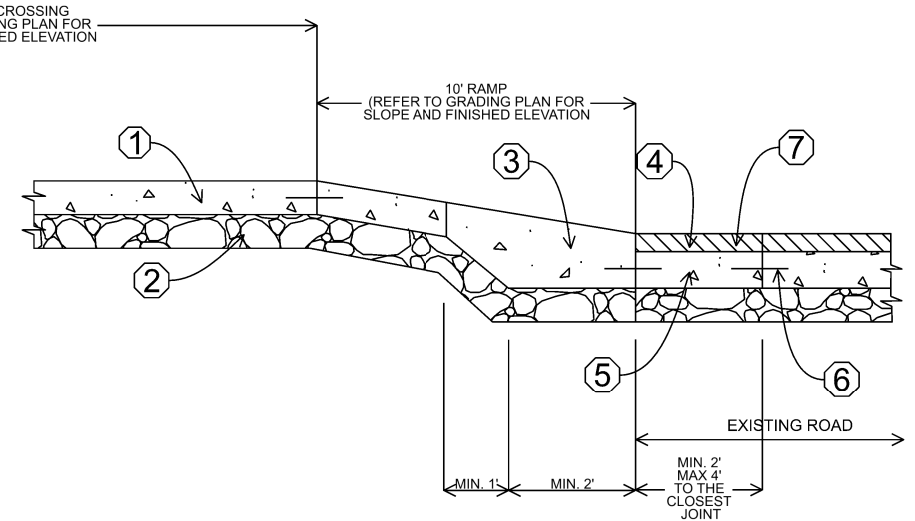
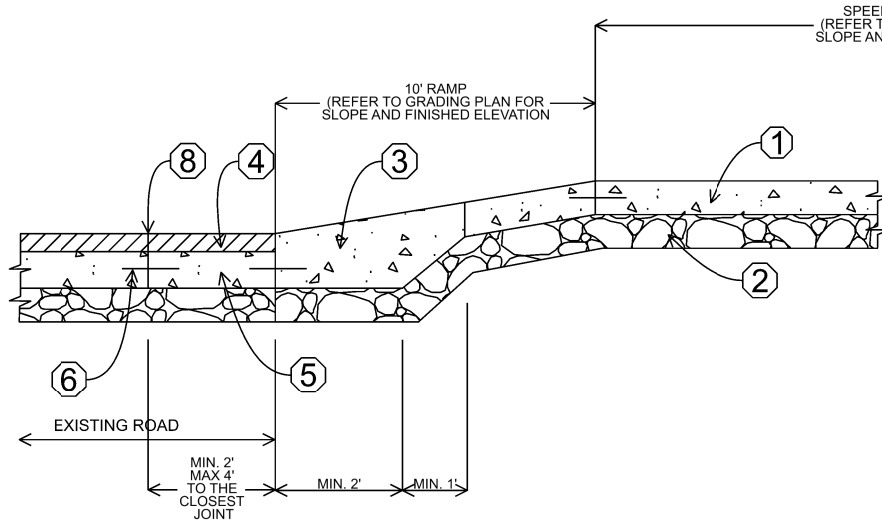
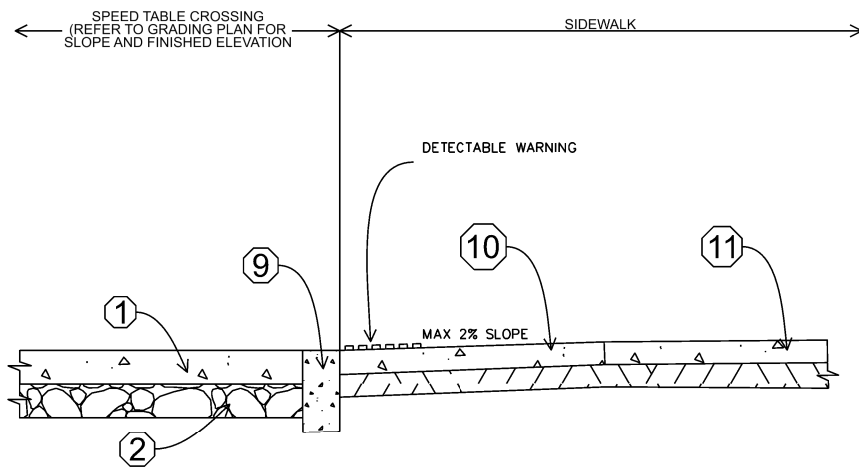
APPROVED BY : _____

DATE: 06 / 02 / 2021

CS:	
JN:	PW-7018

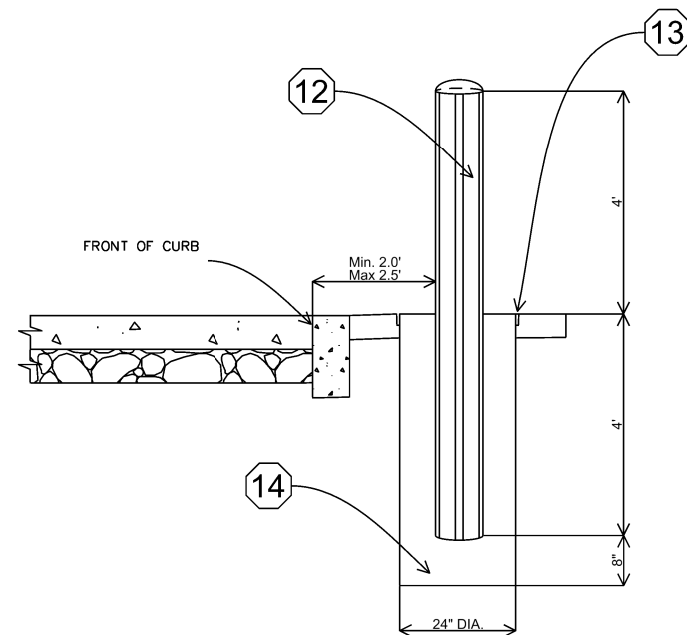
CLARK AVENUE AND SCOTTEN AVENUE
SPEED TABLE
SAW CUT LINE

DRAWING	SHEET
	6 OF 7



SPEED TABLE CROSS SECTION DETAILS

- ① CROSSING AREA, 8 INCH CONCRTE PAVEMENT. MAX. SLOPE 2%
- ② 8" AGGREGATE BASE, 21AA
- ③ THICKNED CONCRETE 12 INCH
- ④ HANDPATCHING /HMA PAVEMENT
- ⑤ CONCRETE BASE CSE, NON REINF 8 INCH
- ⑥ COLD TIED JOINT
- ⑦ 4' COLD MILL EXISTING HMA SURFACE AND RESURFACE WITH 1 1/2 " HMA 5E3.
- ⑧ SAWCUT LINE
- ⑨ CONCRETE CURB CD DETAILS, 6" W, MIN. 20" D. REFER TO STANDARD CURB DETAILS (C-4380)
- ⑩ ADA RAMP MAX 2% SLOPE, REFER TO THE CITY OF DETROIT WALKWAY RAMP AND DETECTABLE WARNING DETAILS (R-28-I WITH CITY OF DETROIT THICKNESS AMENDMENT)
- ⑪ SIDEWALK TURNING SPACE, MAX SLOPE 2%. REFER TO THE CITY OF DETROIT WALKWAY RAMP AND DETECTABLE WARNING DETAILS (R-28-I WITH CITY OF DETROIT THICKNESS AMENDMENT)
- ⑫ STEEL PIPE TO BE COATED FOLLOWING FEDERAL STANDARD 095B COLOR FS 33538 OR UPPROVED ALTERNATE. STEEL TO BE CLEANED PRIOR TO COATING FOLLOWING MANUFACTURERS REC. SHERWIN WILLIAMS HIGH PERFORMANCE INDUSTRIALPOXY PAINT OR AS APPROVED WILL BE USED TO COAT THE STEEL. MULTIPLE COATS/APPLICATIONS MAY BE REQUIRED.
- ⑬ 1/2" JT FILLER
- ⑭ PLACE CONCRETE GRADEE P1 OR S2 IN AUGERED HOLE. SUPPORT OIOE IN VERTICAL POSTION. THE USE OF SPIRAL WOUND PAPER TUBE FOR FOUNDATION FORMING IS ACCEPABLE. REMOVE PAPER AT GROUND LEVEL PRIOR TO FINAL GRADING.



STEEL PIPE BOLLARD DETAIL

- 1- THE DISTANCE BETWEEN BOLLARDS SHOULD BE BETWEEN 3 AND 5 FEET.
- 2- BALLARDS SHOULD BE PLACED:
 - 2.0'-2.5' FROM FRONT OF CURB WHERE CARS ARE ALLOWED TO PARK.
 - 0.5'-1.0' FROM FRONT OF CURB WHERE CARS ARE NOT ALLOWED TO PARK.