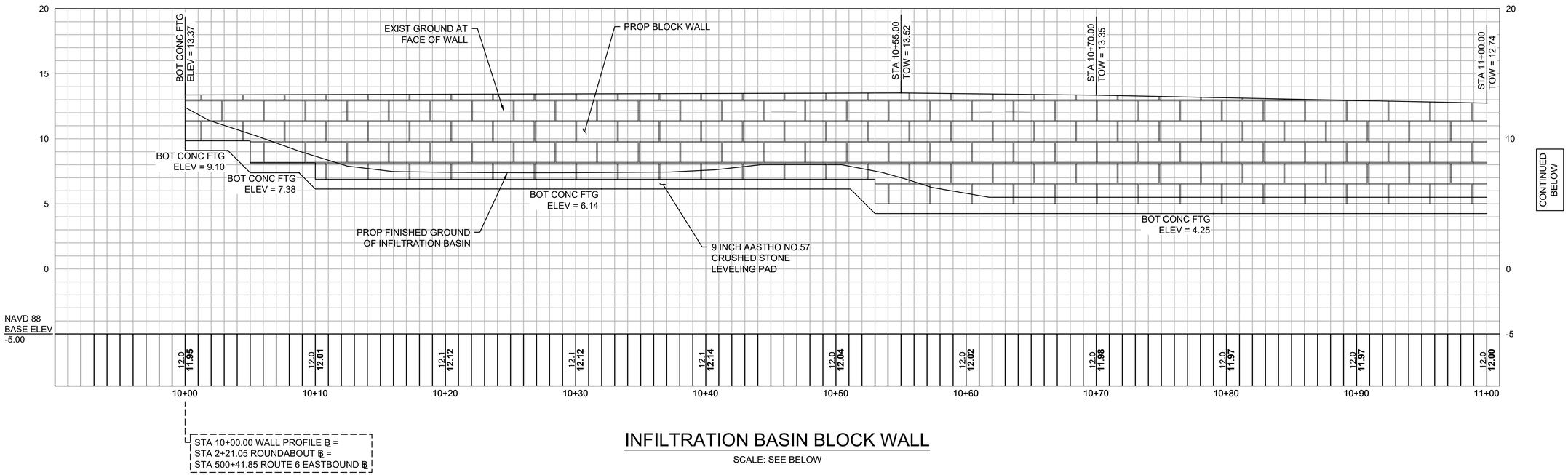
PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	158	293
PROJECT FILE NO.	608744		

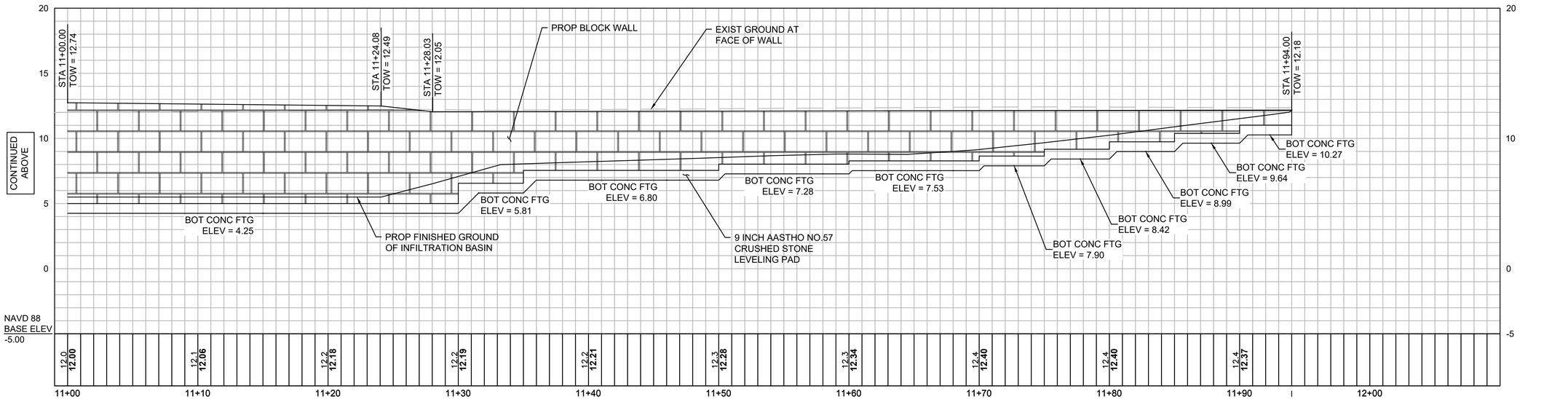
RETAINING WALL PROFILES & DETAILS - 01



STA 10+00.00 WALL PROFILE ℄ =
STA 2+21.05 ROUNDABOUT ℄ =
STA 500+41.85 ROUTE 6 EASTBOUND ℄

INFILTRATION BASIN BLOCK WALL

SCALE: SEE BELOW



INFILTRATION BASIN BLOCK WALL

SCALE: SEE BELOW

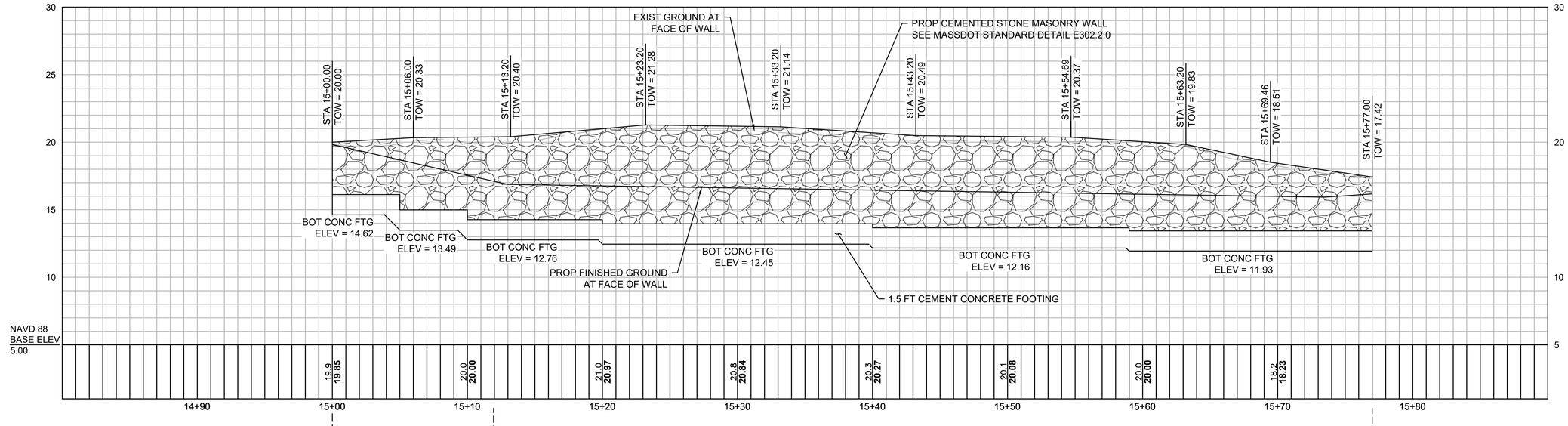
STA 11+94.00 WALL PROFILE ℄ =
STA 502+03.31 ROUTE 6 EASTBOUND ℄

HOR. SCALE IN FEET
4 0 4 8
4 0 4 8
VER. SCALE IN FEET

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	159	293
PROJECT FILE NO.	608744		

RETAINING WALL PROFILES & DETAILS - 02



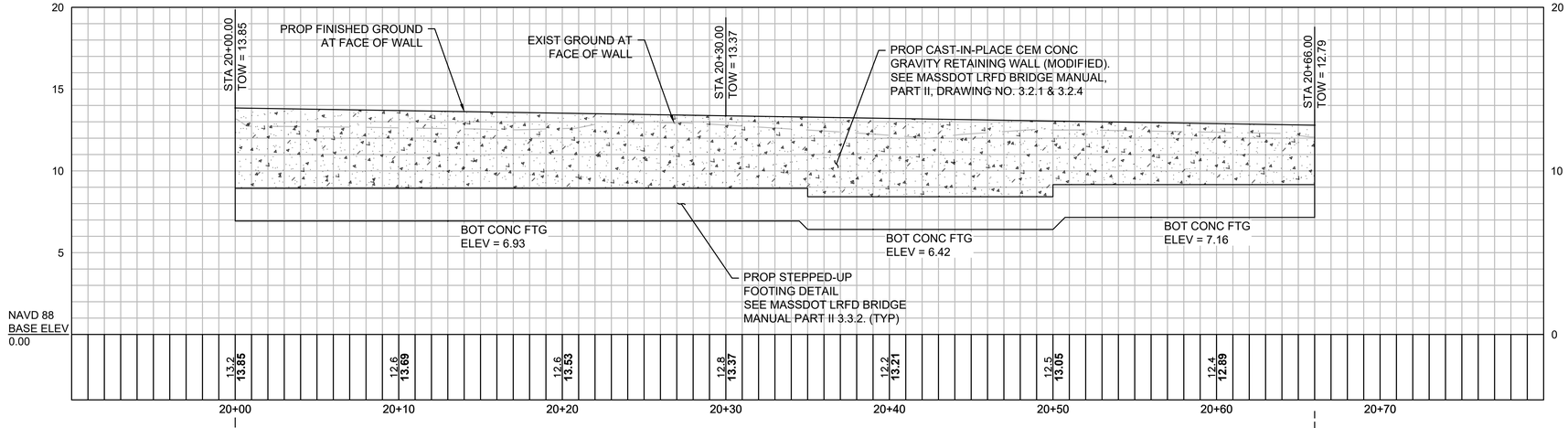
STA 15+00.00 WALL PROFILE ℄ =
STA 22+10.76 SHANK PAINTER ROAD ℄

STA 15+11.94 WALL PROFILE ℄ =
STA 22+18.74 SHANK PAINTER ROAD ℄

STA 15+77.00 WALL PROFILE ℄ =
STA 22+83.80 SHANK PAINTER ROAD ℄

SHANK PAINTER STONE MASONRY WALL

SCALE: SEE BELOW



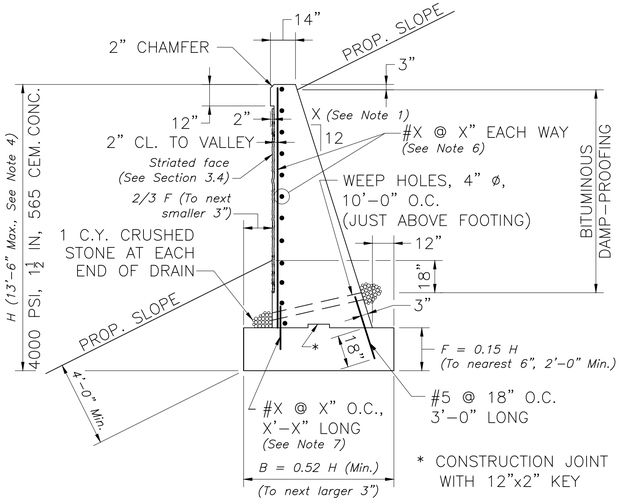
STA 20+00.00 WALL PROFILE ℄ =
STA 24+09.78 SHANK PAINTER ROAD ℄

STA 20+66.00 WALL PROFILE ℄ =
STA 24+77.78 SHANK PAINTER ROAD ℄

SHANK PAINTER CAST-IN-PLACE CEMENT CONCRETE WALL

SCALE: SEE BELOW

HOR. SCALE IN FEET
4 0 4 8
4 0 4 8
VER. SCALE IN FEET



FOR RETAINING WALLS OR SPLAYED WINGWALLS

TYPICAL SECTION

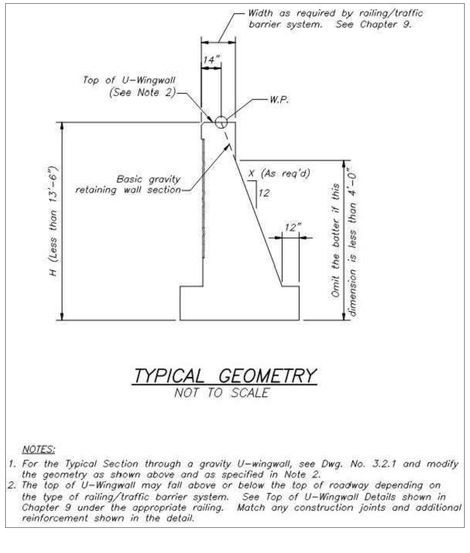
SCALE: ¼" = 1'-0"

NOTES:

1. The back batter shall be constant and shall be determined by the highest section contained between expansion joints.
2. Show maximum factored toe pressure or pile load, if on piles.
3. If piles are required, see Section 3.6.
4. Footing to be omitted when founded on ledge. For typical section see Dwg. No. 3.6.4.
5. Design base width including any live load surcharge and include the effects of sloping backfills where applicable.
6. Provide required Temperature and Shrinkage Reinforcement as per Dwg. No. 3.1.3.
7. Match size and spacing of vertical bars in stem. Provide length of reinforcing bars as follows:
   - for #4 and #5 bars – 2'-0"
   - for #6 bars – 2'-6"
   - for #7 bars – 2'-10"

One-half of the specified bar length shall be embedded into the footing.

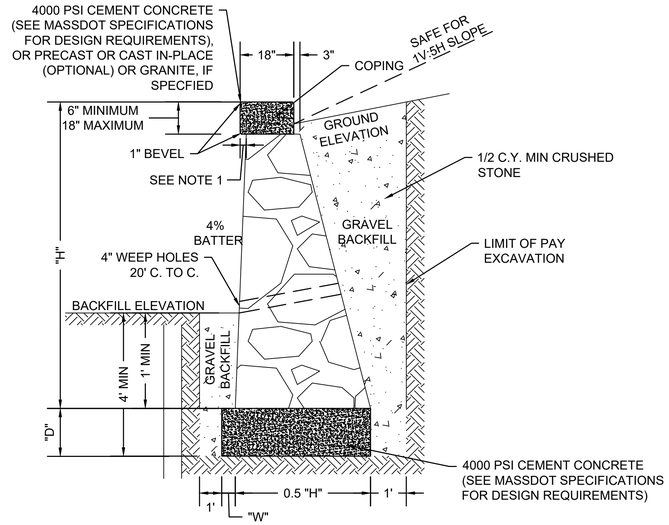
MASSDOT LRFD BRIDGE MANUAL, PART II DETAIL 3.2.1



TYPICAL GEOMETRY
NOT TO SCALE

NOTES:

1. For the Typical Section through a gravity U-wingwall, see Dwg. No. 3.2.1 and modify the geometry as shown above and as specified in Note 2.
2. The top of U-Wingwall may fall above or below the top of roadway depending on the type of railing/traffic barrier system. See Top of U-Wingwall Details shown in Chapter 9 under the appropriate railing. Match any construction joints and additional reinforcement shown in the detail.

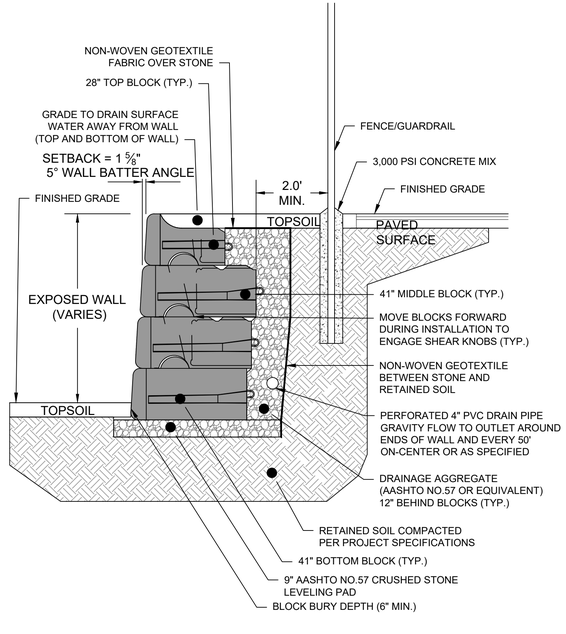


NOTES:

1. COPING OVERHANG TO BE APPROXIMATELY 3" FOR WALLS 10' OR MORE IN HEIGHT AND APPROXIMATELY 2" FOR WALLS LESS THAN 10' IN HEIGHT; IN A CONTINUOUS WALL OF VARYING HEIGHT THE OVERHANG WILL BE APPROXIMATELY 2" TO 3" FOR THE ENTIRE LENGTH.
2. ALL DIMENSIONS SHOWN ARE MINIMUM.

CEMENTED STONE MASONRY WALL

NOT TO SCALE



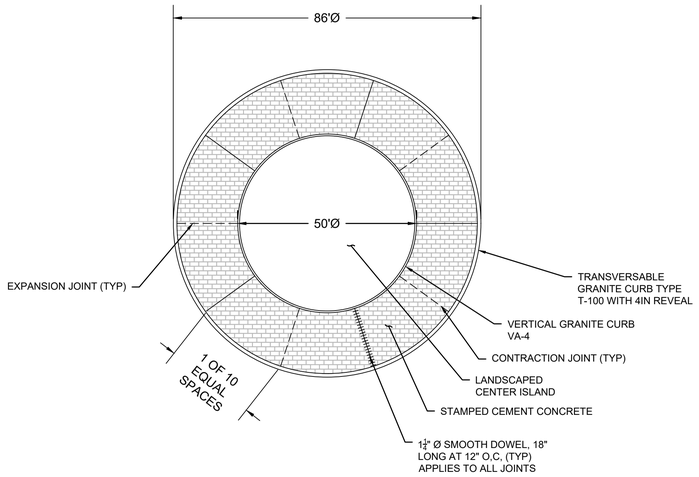
INFILTRATION BASIN BLOCK WALL

NOT TO SCALE

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

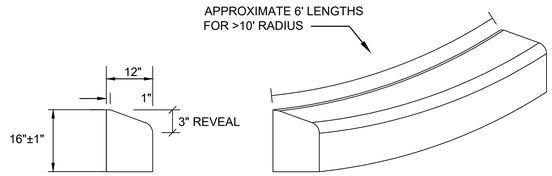
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	161	293
PROJECT FILE NO.	608744		

CONSTRUCTION DETAILS - 01



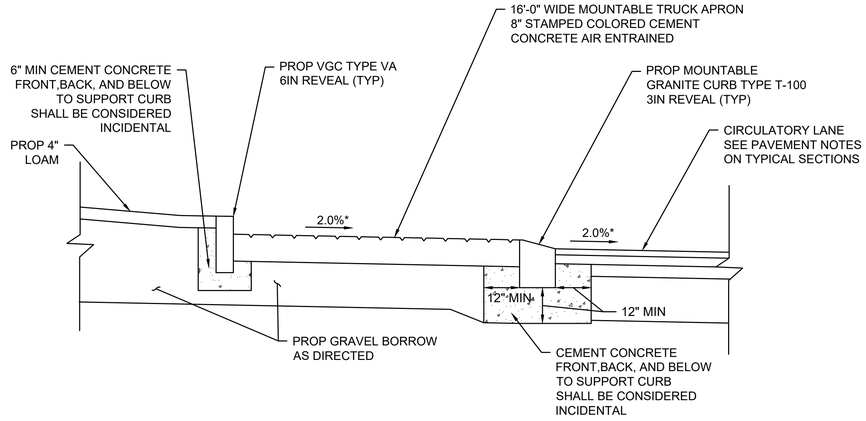
MOUNTABLE TRUCK APRON

N.T.S.



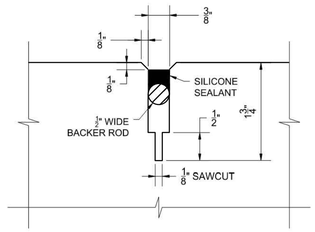
GRANITE CURB-TRANSVERABLE TYPE-100 (CURVED)

N.T.S



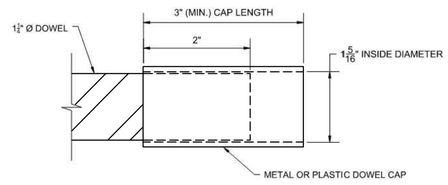
BULLNOSE STAMPED CONCRETE TRUCK APRON DETAIL

N.T.S.



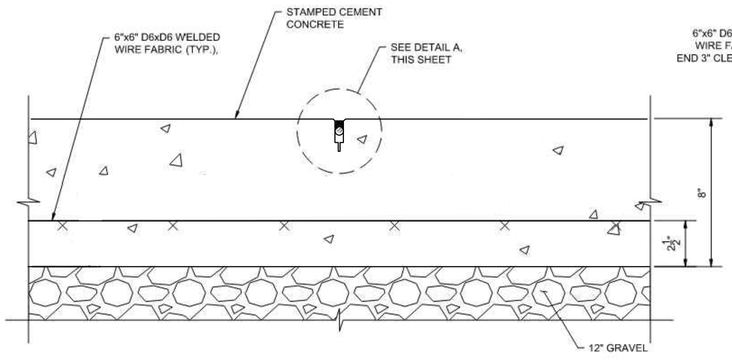
DETAIL A

N.T.S.



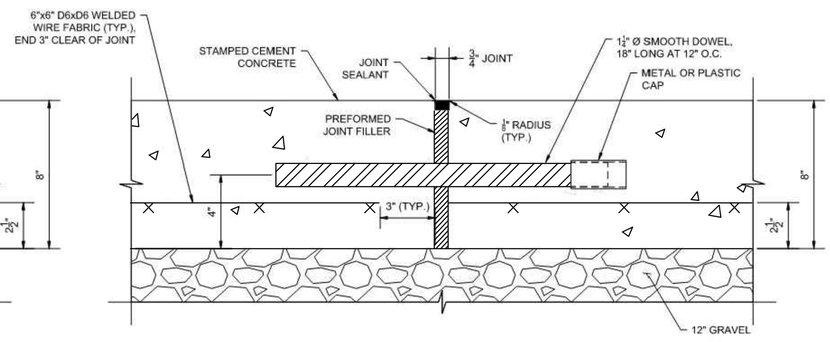
DOWEL BAR CAP DETAIL

N.T.S.



TRUCK APRON CONTRACTION JOINT

N.T.S.



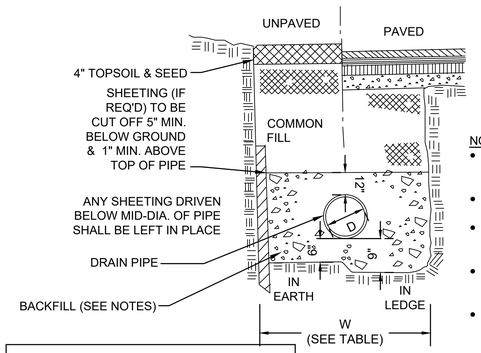
TRUCK APRON EXPANSION JOINT

N.T.S.

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	162	293
PROJECT FILE NO.	608744		

CONSTRUCTION DETAILS - 02

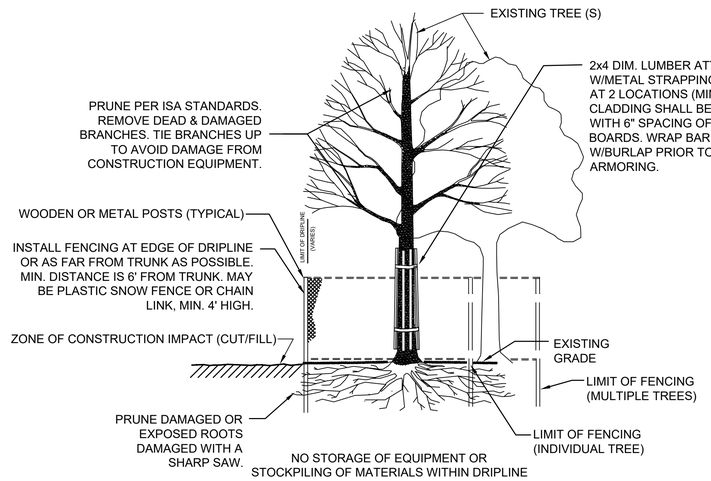


1.75" HMA TOP COURSE
1.75" HMA BINDER COURSE
3.5" HMA BASE COURSE
4" DENSE GRADE CRUSHED STONE
8" GRAVEL BORROW TYPE B (OR SUITABLE SUBBASE)

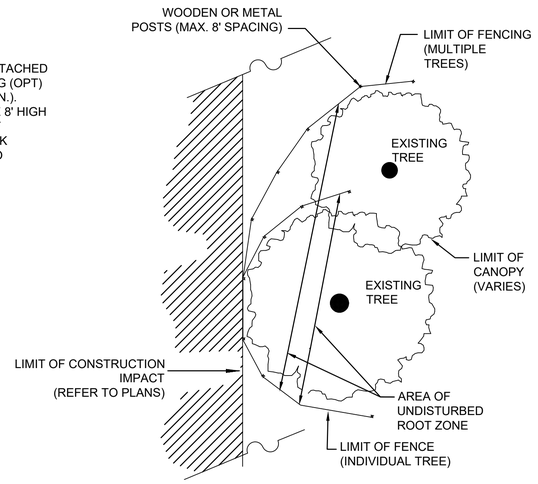
TRENCH WIDTH		
D DIAMETER OF PIPE	W UNSHEETED	W SHEETED
TO 12"	3'	4'
14" TO 24"	4'	5'
30" TO 36"	5'	6'

NOTES:
- ALL TRENCH CONSTRUCTION TO CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
- COMPACT FILL AND TAMP PIPE TO 95% MAX. DENSITY UNLESS OTHERWISE SPECIFIED.
- COMMON FILL MATERIAL TO CONSIST OF GRANULAR MATERIAL CONTAINING NO STONES LARGER THAN 6" IN GREATEST DIMENSION.
- BACKFILL WITH SELECT MATERIAL CONTAINING NO STONES LARGER THAN 3" IN GREATEST DIMENSION TO 12" OVER PIPE FOR SEWER AND DRAIN PIPES.
- PROVIDE SCREENED GRAVEL BEDDING TO MID PIPE DIAMETER WHERE GROUNDWATER IS ENCOUNTERED AS DIRECTED BY THE ENGINEER.
- REMOVE UNSUITABLE MATERIAL BELOW GRADE IF ENCOUNTERED, TO SUITABLE DEPTHS AS DIRECTED BY ENGINEER AND REPLACE WITH CLEAN GRANULAR FILL.
- PAYMENT FOR HMA TRENCH PATCHING SHALL BE PAID FOR UNDER ITEM 472. HMA FOR MISCELLANEOUS WORK.

PERMANENT TRENCH PATCH
N.T.S

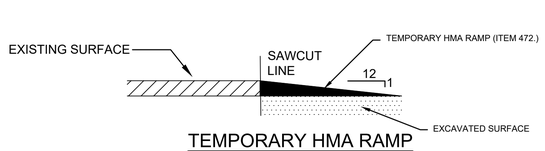


SECTION VIEW

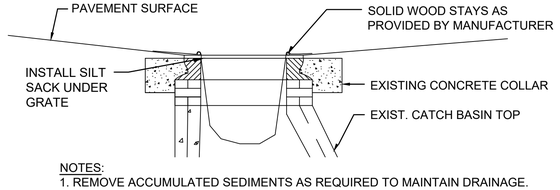


PLAN VIEW

TREE PROTECTION DETAIL
N.T.S

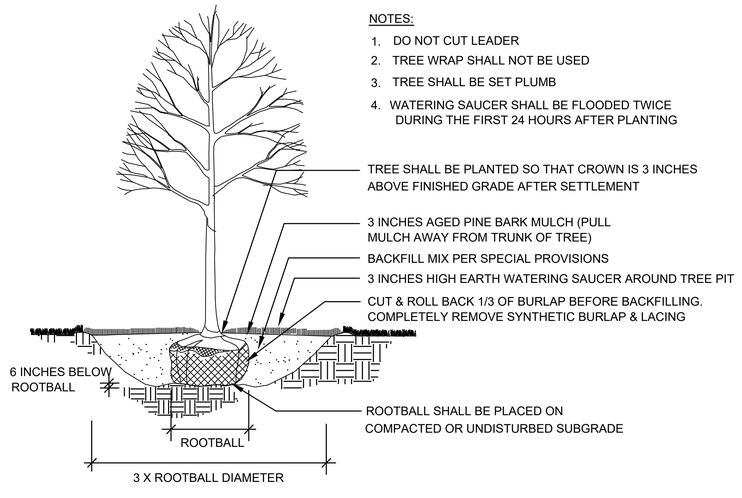


TEMPORARY HMA RAMP
N.T.S



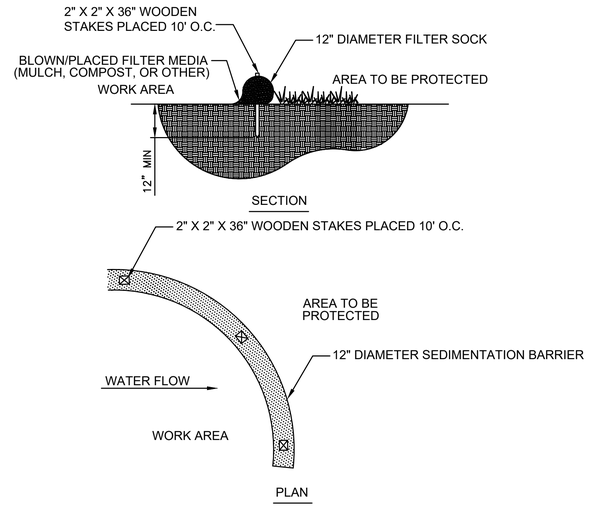
NOTES:
1. REMOVE ACCUMULATED SEDIMENTS AS REQUIRED TO MAINTAIN DRAINAGE.
2. INSPECT FABRIC EVERY WEEK DURING CONSTRUCTION.

SILT SACK
N.T.S



NOTES:
1. DO NOT CUT LEADER
2. TREE WRAP SHALL NOT BE USED
3. TREE SHALL BE SET PLUMB
4. WATERING SAUCER SHALL BE FLOODED TWICE DURING THE FIRST 24 HOURS AFTER PLANTING

DECIDUOUS TREE PLANTING
N.T.S

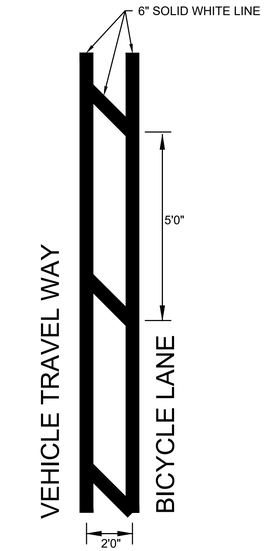


12" DIAMETER SEDIMENTATION BARRIER
N.T.S

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

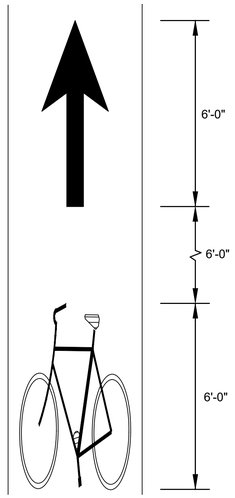
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	163	293
PROJECT FILE NO.	608744		

CONSTRUCTION DETAILS - 03



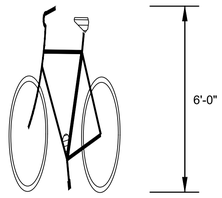
2' BICYCLE BUFFER

N.T.S



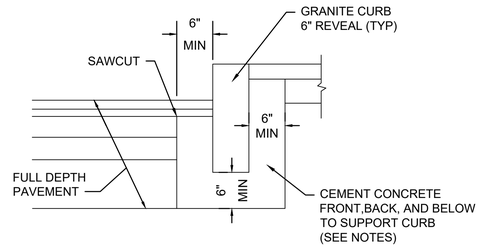
BICYCLE LANE MARKINGS

N.T.S



BICYCLE LANE MARKINGS (MOD)

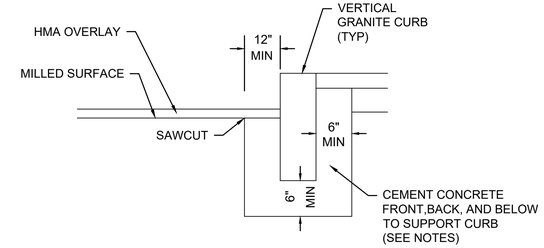
N.T.S



NOTES:
1. CONCRETE AND SAWCUT SHALL BE INCLUDED IN PRICE BID FOR GRANITE CURB
2. SAWCUT 12" FROM EXISTING EDGE OF PAVEMENT FOR FULL DEPTH BOX WIDENING AND SAWCUT 6" FROM CURB LINE IF BINDER COURSE IS PLACED PRIOR TO CURB SETTING.
3. ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE UNDER SECTION M4 OF THE STANDARD SPECIFICATIONS MAY BE USED. ALL TEST REQUIREMENTS ARE WAIVED. HOT MIX ASPHALT SHALL NOT BE USED AS A SUBSTITUTE.

GRANITE CURB IN FULL DEPTH PAVEMENT

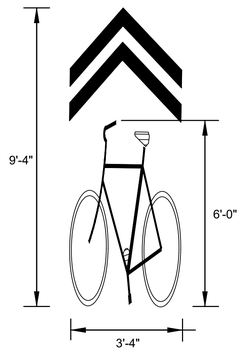
N.T.S.



NOTES:
1. CONCRETE AND SAWCUT SHALL BE INCLUDED IN PRICE BID FOR GRANITE CURB.
2. SAWCUT 12" FROM CURB LINE AND REMOVE EXISTING PAVEMENT AND GRAVEL. REPLACE WITH CEMENT CONCRETE.
3. ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE UNDER SECTION M4 OF THE STANDARD SPECIFICATIONS MAY BE USED. ALL TEST REQUIREMENTS ARE WAIVED. HOT MIX ASPHALT SHALL NOT BE USED AS A SUBSTITUTE.

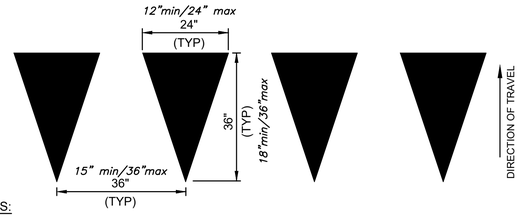
GRANITE CURB IN EXISTING PAVEMENT WITH MILL/OVERLAY

N.T.S.



SHARED LANE MARKINGS

N.T.S

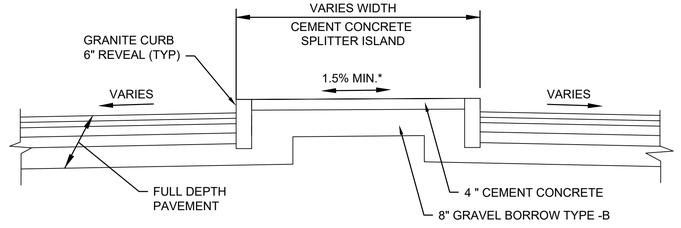


NOTES:

1. YIELD LINES SHALL CONSIST OF A ROW OF SOLID WHITE TRIANGLES.
2. IF APPLICABLE, YIELD LINES SHALL BE PLACED 4-FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE.
3. IN THE ABSENCE OF A MARKED CROSSWALK, YIELD LINES SHALL BE PLACED AS SHOWN ON THE PLANS.

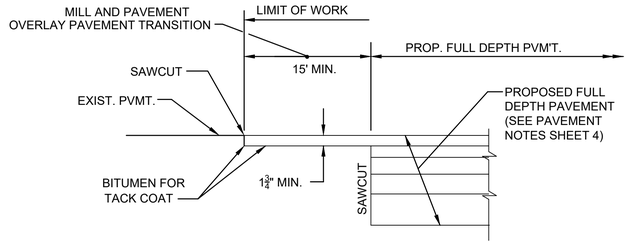
YIELD LINE TRIANGLES

N.T.S.



CEMENT CONCRETE SPLITER ISLAND DETAIL

N.T.S.



JOINT DETAILS AT PAVING LIMITS

N.T.S.

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

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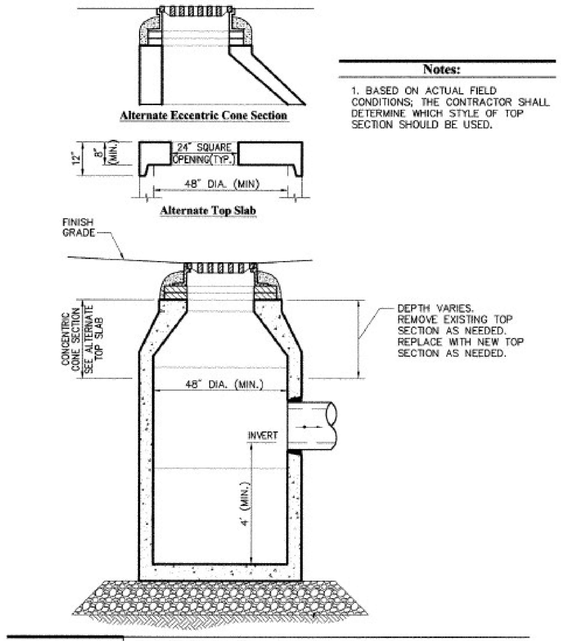
PROJECT FILE NO.	608744		

CONSTRUCTION DETAILS - 04

608744_HD(CONST_DETAILS).DWG Plotted on 1-Apr-2024 10:27 PM



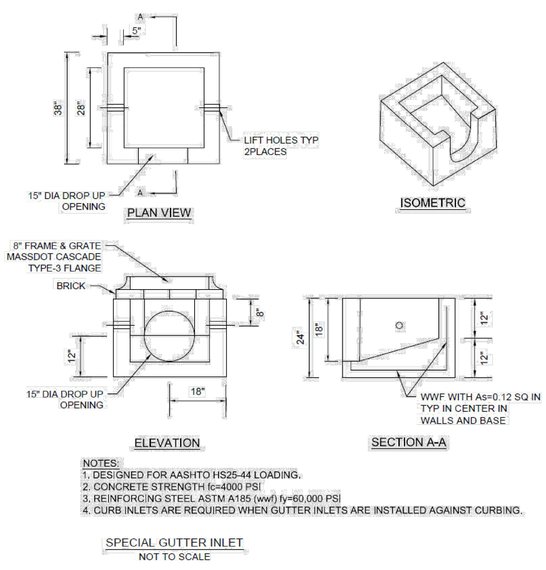
Notes:

1. BASED ON ACTUAL FIELD CONDITIONS; THE CONTRACTOR SHALL DETERMINE WHICH STYLE OF TOP SECTION SHOULD BE USED.

CATCH BASIN

OFFSET CATCH BASIN

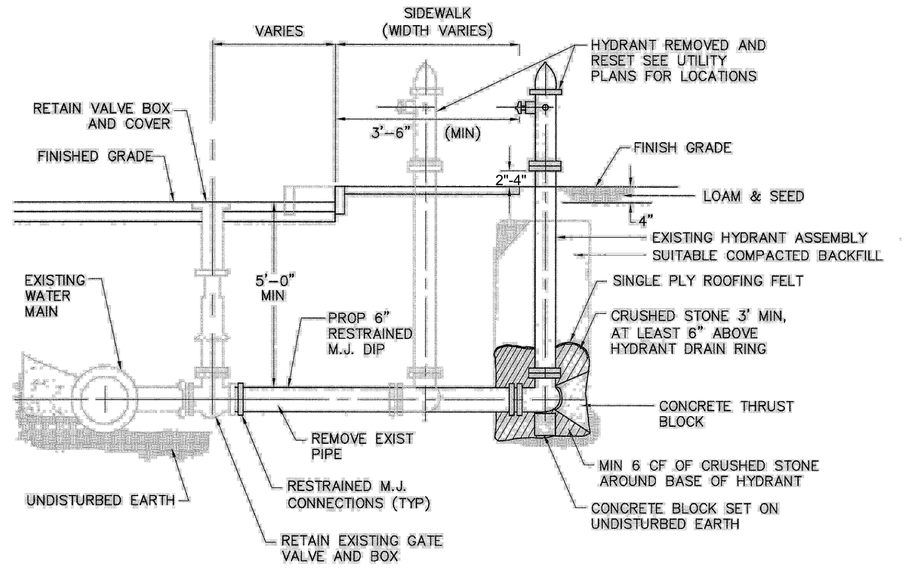
N.T.S.



NOTES:
1. DESIGNED FOR AASHTO HS25-44 LOADING.
2. CONCRETE STRENGTH fc=4000 PSI
3. REINFORCING STEEL ASTM A185 (wwf) fy=60,000 PSI
4. CURB INLETS ARE REQUIRED WHEN GUTTER INLETS ARE INSTALLED AGAINST CURBING.

SPECIAL GUTTER INLET

NOT TO SCALE



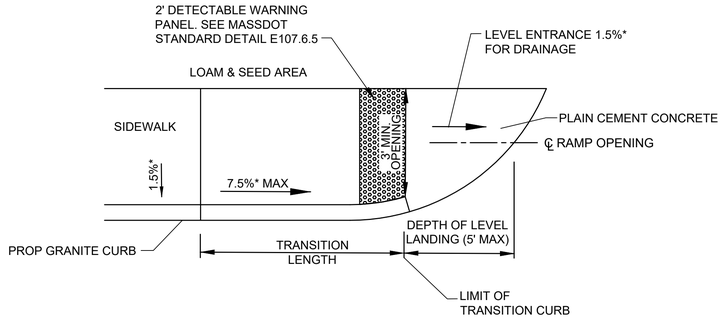
DETAIL FOR HYDRANT REMOVED AND RESET

N.T.S.

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

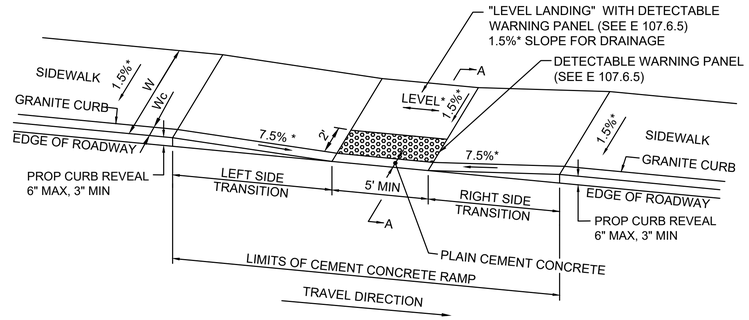
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	165	293
PROJECT FILE NO.		608744	

PEDESTRIAN CURB RAMP DETAILS - 01



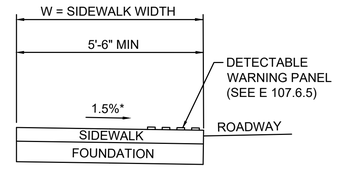
PEDESTRIAN CURB RAMP (CONTINUOUS DIRECTION DETAIL)

N.T.S.



PEDESTRIAN CURB RAMP

N.T.S.



SECTION A-A

LEGEND:

W SIDEWALK WIDTH
Wc CURB WIDTH
CC CEMENT CONCRETE
* TOLERANCE FOR CONSTRUCTION ±0.5%

USABLE SIDEWALK WIDTH PER AAB = Wc-W

USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'0"

PEDESTRIAN CURB RAMPS WILL BE FITTED WITH DETECTABLE WARNING PANELS (SEE E 107.6.5)

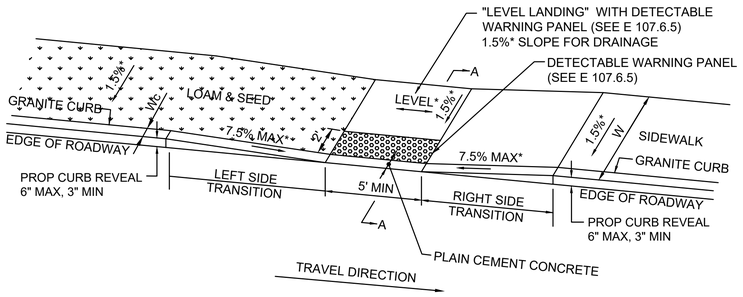
PCR #	ALIGNMENT	RAMP REFERENCE POINT		TRANSITION LENGTH	WIDTH OF RAMP (MIN 5.00')	ROADWAY GUTTER SLOPE (±)
		STATION	OFFSET			
9	SHANK PAINTER ROAD	13+28	22.00' RT	9.25'	7.50'	3.20%
10	SHANK PAINTER ROAD	13+67	21.00' RT	11.00'	7.50'	7.70%
15	SHANK PAINTER ROAD	15+26	22.00' RT	6.50'	7.50'	0.50%
16	SHANK PAINTER ROAD	15+59	22.00' RT	9.00'	7.50'	-2.20%
17	SHANK PAINTER ROAD	17+69	22.00' RT	9.00'	7.50'	-1.80%
18	SHANK PAINTER ROAD	18+10	22.00' RT	9.00'	7.50'	-1.80%
21	SHANK PAINTER ROAD	19+48	22.00' RT	9.00'	7.50'	-2.20%
22	SHANK PAINTER ROAD	19+75	22.00' RT	6.50'	7.50'	-0.60%
23	SHANK PAINTER ROAD	23+10	22.00' RT	9.00'	7.50'	-2.70%
24	SHANK PAINTER ROAD	23+47	22.00' RT	6.50'	7.50'	0.30%
25	SHANK PAINTER ROAD	24+92	22.00' RT	9.00'	7.55'	-9.20%
27	SHANK PAINTER ROAD	25+17	22.00' RT	8.00'	8.50'	4.60%
31	SHANK PAINTER ROAD	26+35	21.50' RT	8.00'	8.50'	-5.00%
32	SHANK PAINTER ROAD	26+62	21.00' RT	5.00'	7.50'	2.60%
35	SHANK PAINTER ROAD	30+51	21.00' LT	6.50'	5.50'	-1.00%
36	SHANK PAINTER ROAD	30+59	22.00' RT	6.50'	7.50'	-0.90%

PCR #	ALIGNMENT	RAMP REFERENCE POINT		WIDTH OF RAMP (MIN 5.00')	DEPTH OF SIDEWALK (W) (MIN 4.00')	ROADWAY GUTTER SLOPE (±)	TRANSITION LENGTH	
		STATION	OFFSET				LEFT	RIGHT
02	SHANK PAINTER ROAD	10+94	29.00' RT	10.00'	10.00'	3.60%	11.00'	10.00'
08	JEROME SMITH ROAD	5+29	32.60' RT	5.00'	5.50'	-5.00%	10.00'	6.60'
12	SHANK PAINTER ROAD	14+23	17.00' RT	5.00'	5.50'	1.70%	6.50'	9.00'
13	CAPTAIN BERTIE'S WAY	5+23	18.00' LT	5.00'	5.60'	0.60%	9.00'	5.00'
19	SHANK PAINTER ROAD	18+82	17.00' RT	5.00'	7.50'	-2.30%	6.50'	9.00'
20	SHANK PAINTER ROAD	18+82	17.00' LT	5.00'	5.50'	-1.90%	4.50'	3.25'
29	SHANK PAINTER ROAD	25+50	17.00' LT	5.00'	5.50'	-1.80%	4.50'	6.50'
30	SHANK PAINTER ROAD	25+50	17.00' RT	5.00'	8.50'	-1.70%	6.50'	9.00'
33	SHANK PAINTER ROAD	30+24	22.00' RT	5.00'	6.60'	1.00%	9.00'	4.00'
34	SHANK PAINTER ROAD	30+23	22.60' LT	5.00'	6.00'	-3.70%	7.50'	8.00'
37	SHANK PAINTER ROAD	32+35	17.00' LT	5.00'	5.50'	0.10%	8.00'	3.25'
39	SHANK PAINTER ROAD	38+41	21.00' RT	5.00'	5.00'	1.90%	9.00'	6.50'
40	SHANK PAINTER ROAD	38+42	21.00' LT	5.00'	5.50'	-0.10%	6.50'	8.00'

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

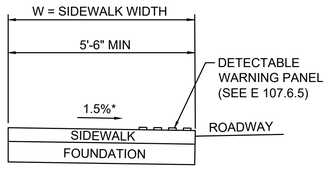
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	166	293
PROJECT FILE NO.	608744		

PEDESTRIAN CURB RAMP DETAILS - 02



PEDESTRIAN CURB RAMP TYPE A

N.T.S.



SECTION A-A

LEGEND:

W SIDEWALK WIDTH

Wc CURB WIDTH

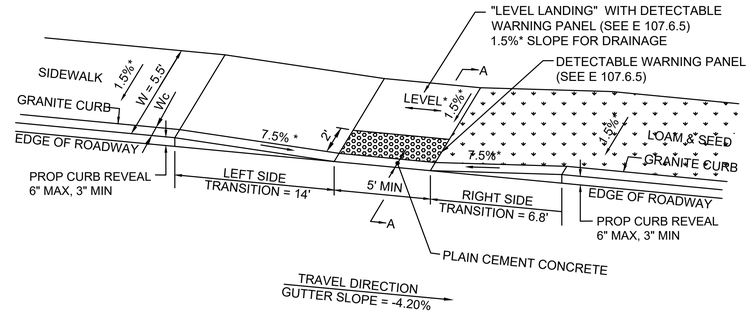
CC CEMENT CONCRETE

* TOLERANCE FOR CONSTRUCTION ±0.5%

USABLE SIDEWALK WIDTH PER AAB = Wc-W

USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'0"

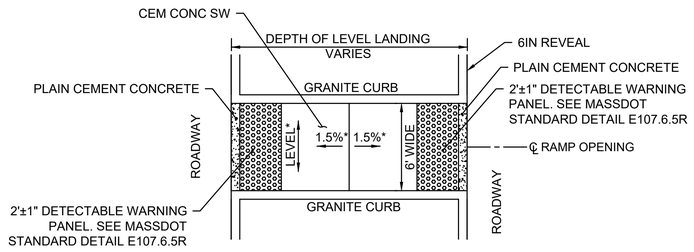
PEDESTRIAN CURB RAMPS WILL BE FITTED WITH DETECTABLE WARNING PANELS (SEE E 107.6.5)



PEDESTRIAN CURB RAMP TYPE B - PCR #26

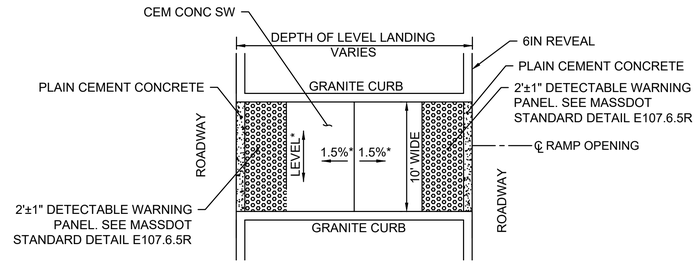
N.T.S.

PCR #	ALIGNMENT	RAMP REFERENCE POINT		WIDTH OF RAMP (MIN 5.00')	DEPTH OF SIDEWALK (W) (MIN 4.00')	ROADWAY GUTTER SLOPE (±)	TRANSITION LENGTH	
		STATION	OFFSET				LEFT	RIGHT
14	CAPTAIN BERTIE'S WAY	5+28	17.00' RT	5.00'	5.60'	-0.50%	9.00'	9.00'
28	SHANK PAINTER ROAD	25+28	24.00' LT	5.00'	5.60'	0.30%	9.75'	11.00'



PEDESTRIAN CURB RAMP AT MEDIAN ISLANDS #01 & 07

N.T.S.



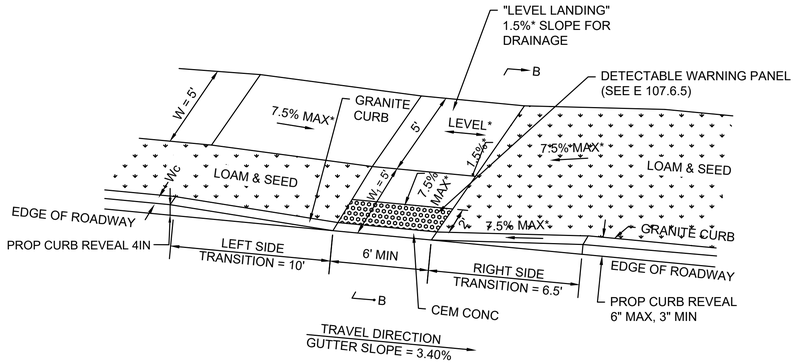
PEDESTRIAN CURB RAMP AT MEDIAN ISLANDS #03

N.T.S.

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

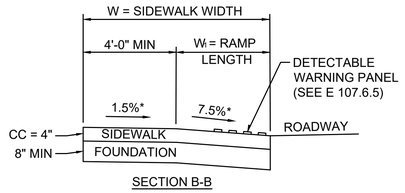
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	167	293
PROJECT FILE NO.	608744		

PEDESTRIAN CURB RAMP DETAILS - 03



PEDESTRIAN CURB RAMP TYPE C - PCR #06

N.T.S.



SECTION B-B

LEGEND:

W SIDEWALK WIDTH

Wc CURB WIDTH

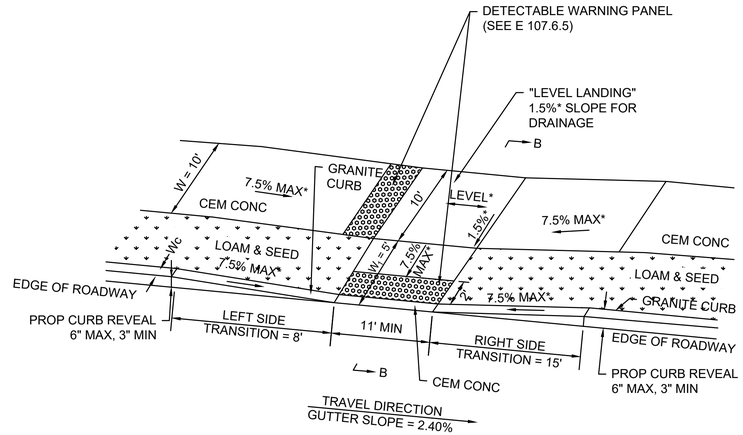
W1 PERPENDICULAR RAMP LENGTH

CEM CONC CEMENT CONCRETE

* TOLERANCE FOR CONSTRUCTION ±0.5%

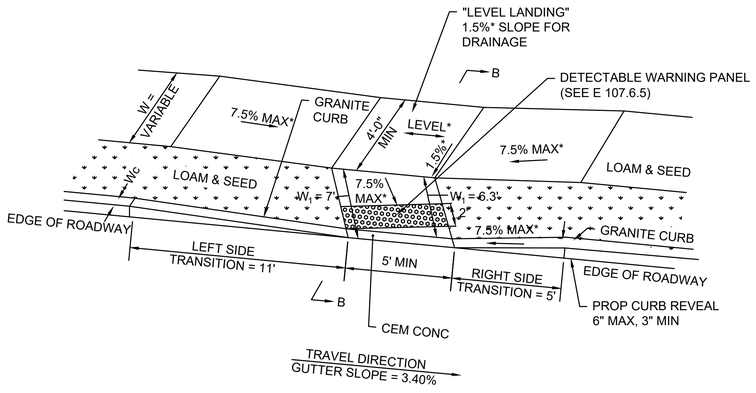
USABLE SIDEWALK WIDTH PER AAB = W - Wc

USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'0"



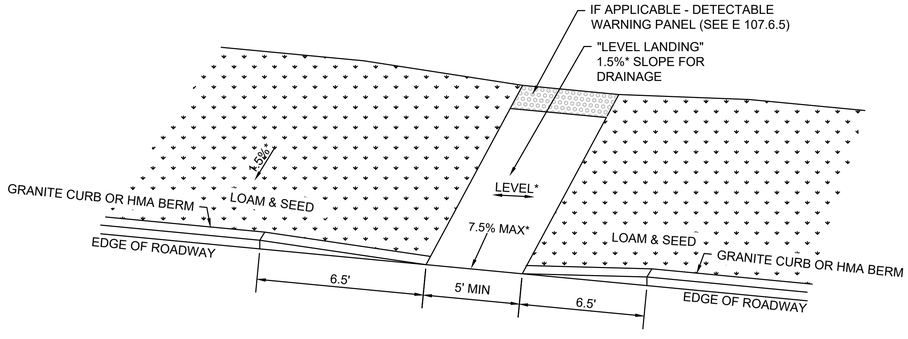
PEDESTRIAN CURB RAMP TYPE C - PCR #04

N.T.S.



PEDESTRIAN CURB RAMP TYPE C #05

N.T.S.

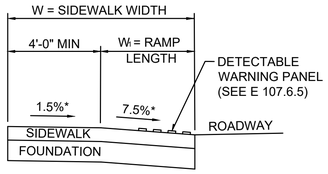


HOT MIX ASPHALT BIKE ACCESS RAMP

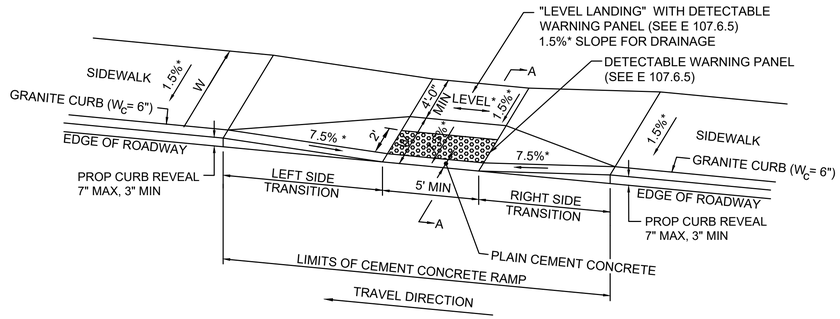
N.T.S.

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	168	293
PROJECT FILE NO.		608744	

PEDESTRIAN CURB RAMP DETAILS - 04



SECTION A-A



PEDESTRIAN CURB RAMP

N.T.S.

PCR #	ALIGNMENT	RAMP REFERENCE POINT		LENGTH OF RAMP (W_1)	WIDTH OF RAMP (MIN 5.00')	DEPTH OF LEVEL LANDING (MIN 4.00')	ROADWAY GUTTER SLOPE (±)	TRANSITION LENGTH	
		STATION	OFFSET					LEFT	RIGHT
11	SHANK PAINTER ROAD	14+23	17.00' RT	3.50'	5.00'	4.00'	1.80%	9.00'	6.50'
38	SHANK PAINTER ROAD	32+35	17.00' RT	3.50'	5.00'	4.00'	-0.10%	6.50'	4.00'

LEGEND:

W SIDEWALK WIDTH

W1 PERPENDICULAR RAMP LENGTH

CC CEMENT CONCRETE

* TOLERANCE FOR CONSTRUCTION ±0.5%

** 3 IN CURB REVEAL

USABLE SIDEWALK WIDTH PER AAB = Wc-W

USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'0"

RAMP LENGTH, W1 = W - 4'0" MIN

PEDESTRIAN CURB RAMPS WILL BE FITTED WITH DETECTABLE WARNING PANELS (SEE E 107.6.5)

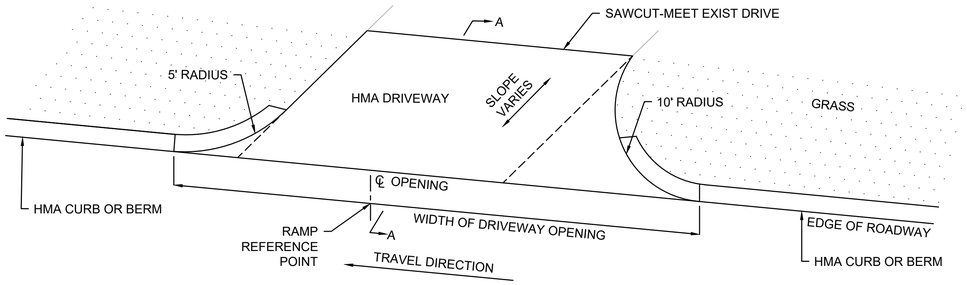
PEDESTRIAN CURB RAMPS WILL BE LAID OUT SUCH THAT THE DETECTABLE WARNING PANEL IS FACING THE CROSSWALK (SEE GENERAL PLANS FOR LAYOUT)

608744_HD(CONST_DETAILS).DWG Plotted on 1-Apr-2024 10:28 PM

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	169	293
PROJECT FILE NO.		608744	

DRIVEWAY DETAILS - 01



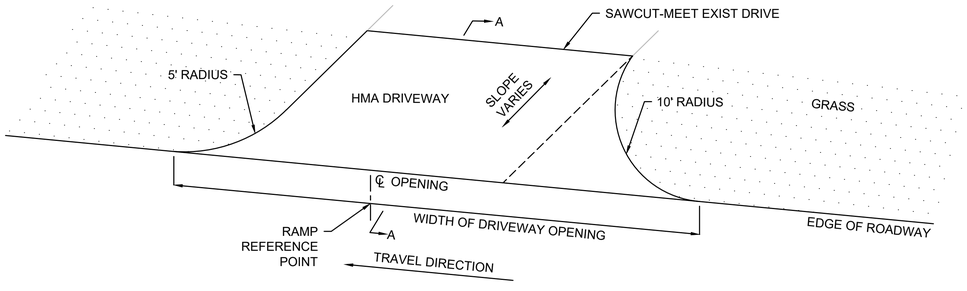
LEGEND:

HMA = HOT MIX ASPHALT

* TOLERANCE FOR CONSTRUCTION ±0.5%

HOT MIX ASPHALT DRIVEWAY WITH EDGE TREATMENT

N.T.S.



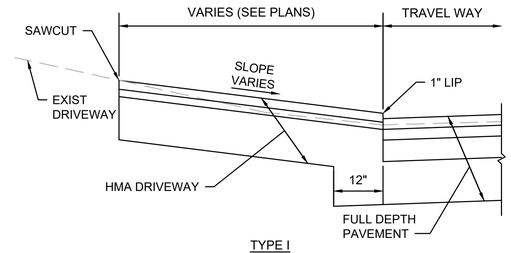
LEGEND:

HMA = HOT MIX ASPHALT

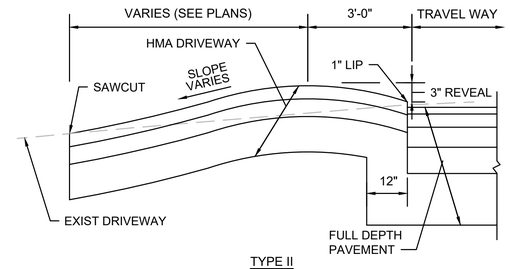
* TOLERANCE FOR CONSTRUCTION ±0.5%

HOT MIX ASPHALT DRIVEWAY WITHOUT EDGE TREATMENT

N.T.S.



TYPE I



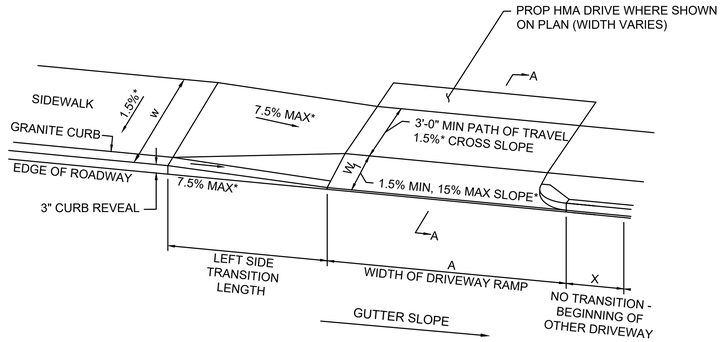
TYPE II

SECTION A-A

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	170	293
PROJECT FILE NO.	608744		

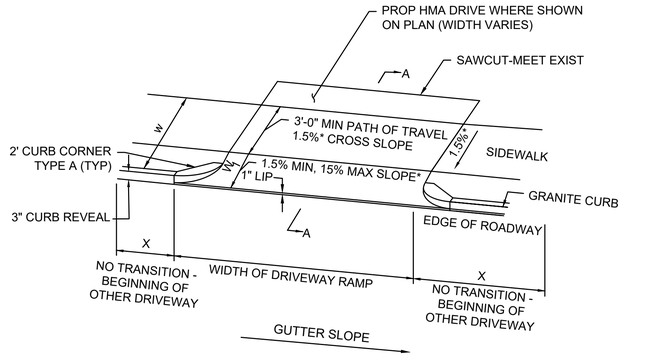
DRIVEWAY DETAILS - 02



DRIVEWAY WITH LEFT SIDE WING

N.T.S.

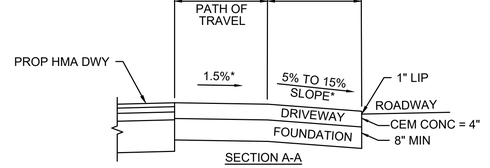
DWY#	ALIGNMENT	DWY REFERENCE POINT		LENGTH OF PRIMARY RAMP (W_1)	PATH OF TRAVEL (MIN 3.00')	SIDEWALK WIDTH (W)	WIDTH OF DRIVEWAY RAMP (A)	ROADWAY GUTTER SLOPE (%)	TRANSITION LENGTH	
		STATION	OFFSET						LEFT	RIGHT
07	SHANK PAINTER ROAD	20+06.68	17.00' LT	2.00'	3.50'	5.50'	23.00'	-1.60%	9.00'	-
20	SHANK PAINTER ROAD	30+03.66	17.00' RT	4.00'	3.50'	7.50'	20.00'	0.60%	3.25'	-
26	SHANK PAINTER ROAD	34+72.42	17.00' LT	2.00'	3.50'	5.50'	17.00'	0.40%	6.50'	-
28	SHANK PAINTER ROAD	36+42.54	17.00' LT	2.00'	3.50'	5.50'	132.00'	0.60%	6.50'	-
31	SHANK PAINTER ROAD	37+54.80	17.00' RT	2.50'	3.00'	5.50'	61.00'	-1.00%	7.67'	-



DRIVEWAY WITH CURB STONE WITHOUT TRANSITIONS

N.T.S.

DWY#	ALIGNMENT	DWY REFERENCE POINT		LENGTH OF PRIMARY RAMP (W_1)	PATH OF TRAVEL (MIN 3.00')	SIDEWALK WIDTH (W)	WIDTH OF DRIVEWAY RAMP (A)	ROADWAY GUTTER SLOPE (%)
		STATION	OFFSET					
08	SHANK PAINTER ROAD	20+37.21	17.00' LT	2.00'	3.50'	5.50	29.00'	-1.50%
09	SHANK PAINTER ROAD	20+88.45	17.00' LT	2.00'	3.50'	5.50	62.00'	-1.60%
11	SHANK PAINTER ROAD	21+40.07	17.00' LT	2.00'	3.50'	5.50	26.00'	-1.60%
13	SHANK PAINTER ROAD	22+10.65	17.00' LT	2.00'	3.50'	5.50	94.00'	-1.60%
18	SHANK PAINTER ROAD	28+81.07	17.00' RT	4.00'	3.50'	7.50'	50.00'	0.70%
19	SHANK PAINTER ROAD	29+48.64	17.00' RT	4.00'	3.50'	7.50'	70.00'	0.70%

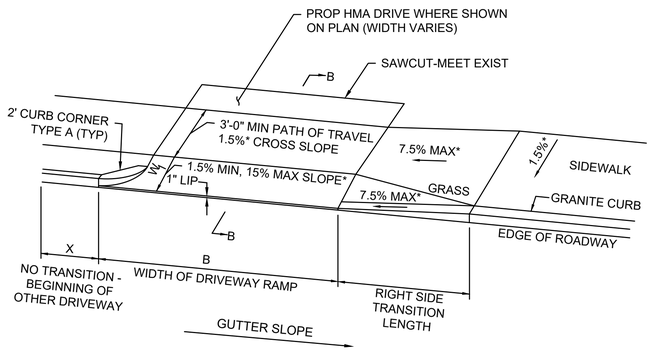


SECTION A-A

NOTES:
- SEE CONSTRUCTION STANDARD E107.7.0
- * CONSTRUCTION TOLERANCE ±0.5%
- ** TRANSITION CURB LENGTH (FOR HIGH SIDE TRANSITION LENGTH, SEE MASSDOT STANDARD DETAIL E107.9.0. FOR LOW SIDE TRANSITION LENGTH = 6'6" UNLESS OTHERWISE DEPICTED ON PLAN.
- FINAL TRANSITION LENGTHS TO BE SET IN THE FIELD BASED ON ACTUAL FIELD CONDITIONS AT THE DIRECTION OF THE TOWN AND OR ENGINEER

LEGEND:

HSL	HIGH SIDE FRONT TRANSITION LENGTH (SEE E 107.9.0)
W	SIDEWALK WIDTH
CEM CONC	CEMENT CONCRETE
*	TOLERANCE FOR CONSTRUCTION ±0.5%
**	3 IN CURB REVEAL



DRIVEWAY WITH RIGHT SIDE WING

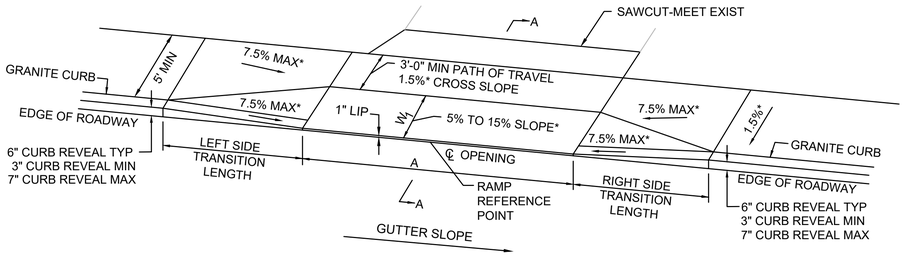
N.T.S.

DWY#	ALIGNMENT	DWY REFERENCE POINT		LENGTH OF PRIMARY RAMP (W_1)	PATH OF TRAVEL (MIN 3.00')	SIDEWALK WIDTH (W)	WIDTH OF DRIVEWAY RAMP (A)	ROADWAY GUTTER SLOPE (%)	TRANSITION LENGTH	
		STATION	OFFSET						LEFT	RIGHT
14	SHANK PAINTER ROAD	23+07.47	17.00' LT	2.00'	3.50'	5.50'	64.00'	-1.50%	-	6.50'
17	SHANK PAINTER ROAD	28+31.89	17.00' RT	3.00'	4.00'	7.50'	40.00'	0.70%	-	7.67'
27	SHANK PAINTER ROAD	35+24.42	17.00' LT	2.00'	3.50'	5.50'	71.00'	0.50%	-	7.67'
29	SHANK PAINTER ROAD	36+98.51	17.00' RT	3.50'	4.00'	7.50'	29.00'	-0.60%	-	6.50

PROVINCETOWN
SHANK PAINTER ROAD & ROUTE 6

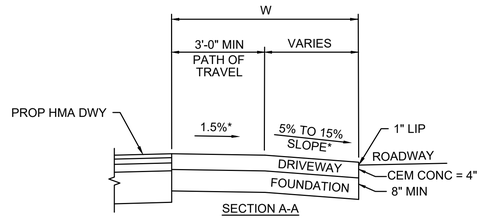
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	171	293
PROJECT FILE NO.	608744		

DRIVEWAY DETAILS - 03



CEMENT CONCRETE DRIVEWAY - TYPE 1

N.T.S.



SECTION A-A

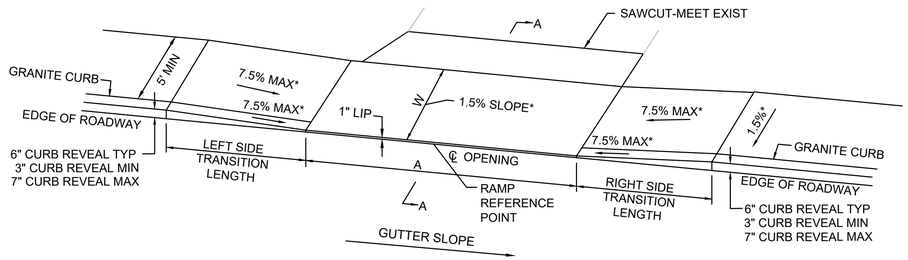
DWY#	ALIGNMENT	DWY REFERENCE POINT		LENGTH OF PRIMARY RAMP (W_1)	PATH OF TRAVEL (MIN 3.00')	SIDEWALK WIDTH (W)	WIDTH OF DRIVEWAY RAMP (A)	ROADWAY GUTTER SLOPE (%)	TRANSITION LENGTH	
		STATION	OFFSET						LEFT	RIGHT
03	SHANK PAINTER ROAD	16+23.48	17.00' RT	3.50'	4.00'	7.50'	28.00'	0.40%	6.50'	7.67'
10	SHANK PAINTER ROAD	20+84.23	17.00' RT	3.50'	4.00'	7.50'	50.00'	1.60%	6.50'	9.00'
12	SHANK PAINTER ROAD	21+80.38	17.00' RT	3.50'	4.00'	7.50'	68.00'	1.60%	6.50'	9.00'
15	SHANK PAINTER ROAD	26+91.65	17.00' RT	3.50'	4.00'	7.50'	18.00'	0.70%	6.50'	9.00'
16	SHANK PAINTER ROAD	27+56.01	17.00' RT	3.50'	4.00'	7.50'	19.00'	0.70%	6.50'	7.67'
21	SHANK PAINTER ROAD	31+20.21	17.00' RT	3.50'	4.00'	7.50'	67.00'	0.50%	6.50'	7.67'
23	SHANK PAINTER ROAD	31+99.76	17.00' RT	3.50'	4.00'	7.50'	38.00'	0.30%	**3.25'	7.67'
25	SHANK PAINTER ROAD	34+11.35	17.00' RT	3.50'	4.00'	7.50'	30.00'	-0.30%	7.67'	6.66'

LEGEND:

HSL	HIGH SIDE FRONT TRANSITION LENGTH (SEE E 107.9.0)
W	SIDEWALK WIDTH
CEM CONC	CEMENT CONCRETE
*	TOLERANCE FOR CONSTRUCTION ±0.5%
**	3 IN CURB REVEAL

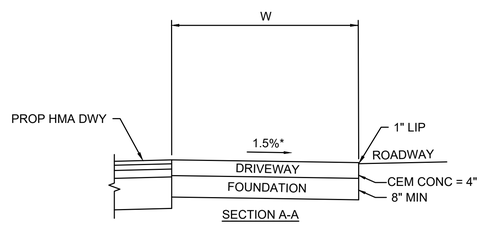
NOTES:

- SEE CONSTRUCTION STANDARD E107.7.0
- * CONSTRUCTION TOLERANCE ±0.5%
- ** TRANSITION CURB LENGTH (FOR HIGH SIDE TRANSITION LENGTH, SEE MASSDOT STANDARD DETAIL E107.9.0. FOR LOW SIDE TRANSITION LENGTH = 6'6" UNLESS OTHERWISE DEPICTED ON PLAN.
- FINAL TRANSITION LENGTHS TO BE SET IN THE FIELD BASED ON ACTUAL FIELD CONDITIONS AT THE DIRECTION OF THE TOWN AND OR ENGINEER



CEMENT CONCRETE DRIVEWAY - TYPE 2

N.T.S.



SECTION A-A

DWY#	ALIGNMENT	DWY REFERENCE POINT		SIDEWALK WIDTH (W)	WIDTH OF DRIVEWAY RAMP (A)	ROADWAY GUTTER SLOPE (%)	TRANSITION LENGTH	
		STATION	OFFSET				LEFT	RIGHT
01	SHANK PAINTER ROAD	13+03.95	17.00' LT	5.50'	39.00'	2.84%	6.50'	11.00'
02	SHANK PAINTER ROAD	15+78.96	17.00' LT	5.50'	33.00'	0.40%	6.50'	6.50'
04	SHANK PAINTER ROAD	17+18.93	17.00' LT	5.50'	103.00'	-1.70%	6.50'	7.67'
05	SHANK PAINTER ROAD	18+39.54	17.00' LT	5.50'	49.00'	-1.90%	9.00'	3.25'
06	SHANK PAINTER ROAD	19+19.81	17.00' LT	5.50'	33.00'	-1.90%	**4.50'	6.50'
22	SHANK PAINTER ROAD	31+26.20	17.00' LT	5.50'	85.00'	-0.50	7.67'	6.50
24	SHANK PAINTER ROAD	32+64.16	17.00' LT	5.50'	65.00'	0.10%	4.00'	7.67'

LEGEND:

HSL	HIGH SIDE FRONT TRANSITION LENGTH (SEE E 107.9.0)
W	SIDEWALK WIDTH
CEM CONC	CEMENT CONCRETE
*	TOLERANCE FOR CONSTRUCTION ±0.5%
**	3 IN CURB REVEAL