

HIGHWAY GUARD DETAILS
NONE

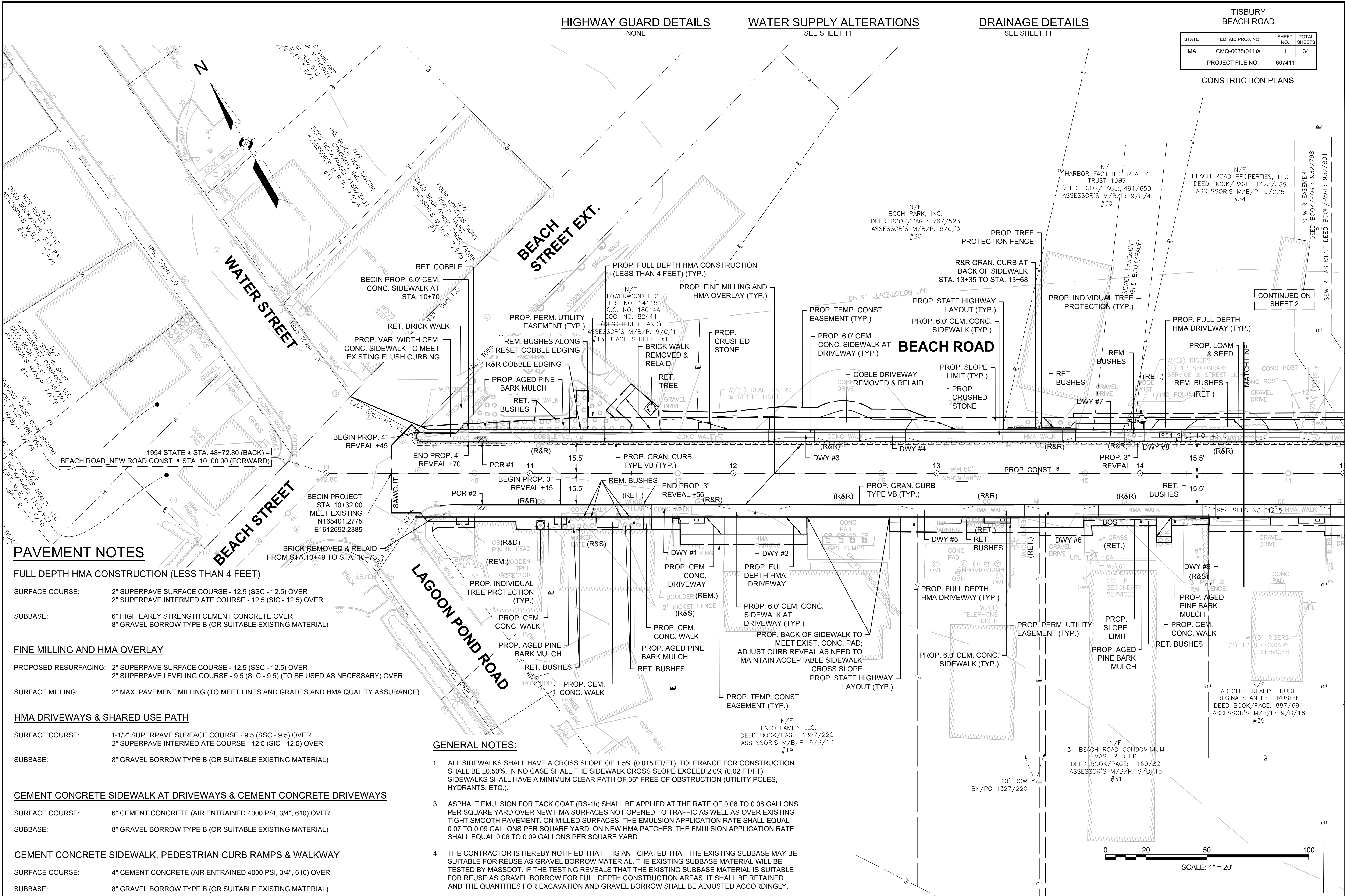
WATER SUPPLY ALTERATIONS
SEE SHEET 11

DRAINAGE DETAILS
SEE SHEET 11

TISBURY
BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	1	34
PROJECT FILE NO.		607411	

CONSTRUCTION PLANS



PAVEMENT NOTES

FULL DEPTH HMA CONSTRUCTION (LESS THAN 4 FEET)

SURFACE COURSE: 2" SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) OVER
2" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5) OVER

SUBBASE: 6" HIGH EARLY STRENGTH CEMENT CONCRETE OVER
8" GRAVEL BORROW TYPE B (OR SUITABLE EXISTING MATERIAL)

FINE MILLING AND HMA OVERLAY

PROPOSED RESURFACING: 2" SUPERPAVE SURFACE COURSE - 12.5 (SSC - 12.5) OVER
2" SUPERPAVE LEVELING COURSE - 9.5 (SLC - 9.5) (TO BE USED AS NECESSARY) OVER

SURFACE MILLING: 2" MAX. PAVEMENT MILLING (TO MEET LINES AND GRADES AND HMA QUALITY ASSURANCE)

HMA DRIVEWAYS & SHARED USE PATH

SURFACE COURSE: 1-1/2" SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5) OVER
2" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5) OVER

SUBBASE: 8" GRAVEL BORROW TYPE B (OR SUITABLE EXISTING MATERIAL)

CEMENT CONCRETE SIDEWALK AT DRIVEWAYS & CEMENT CONCRETE DRIVEWAYS

SURFACE COURSE: 6" CEMENT CONCRETE (AIR ENTRAINED 4000 PSI, 3/4", 610) OVER

SUBBASE: 8" GRAVEL BORROW TYPE B (OR SUITABLE EXISTING MATERIAL)

CEMENT CONCRETE SIDEWALK, PEDESTRIAN CURB RAMPS & WALKWAY

SURFACE COURSE: 4" CEMENT CONCRETE (AIR ENTRAINED 4000 PSI, 3/4", 610) OVER

SUBBASE: 8" GRAVEL BORROW TYPE B (OR SUITABLE EXISTING MATERIAL)

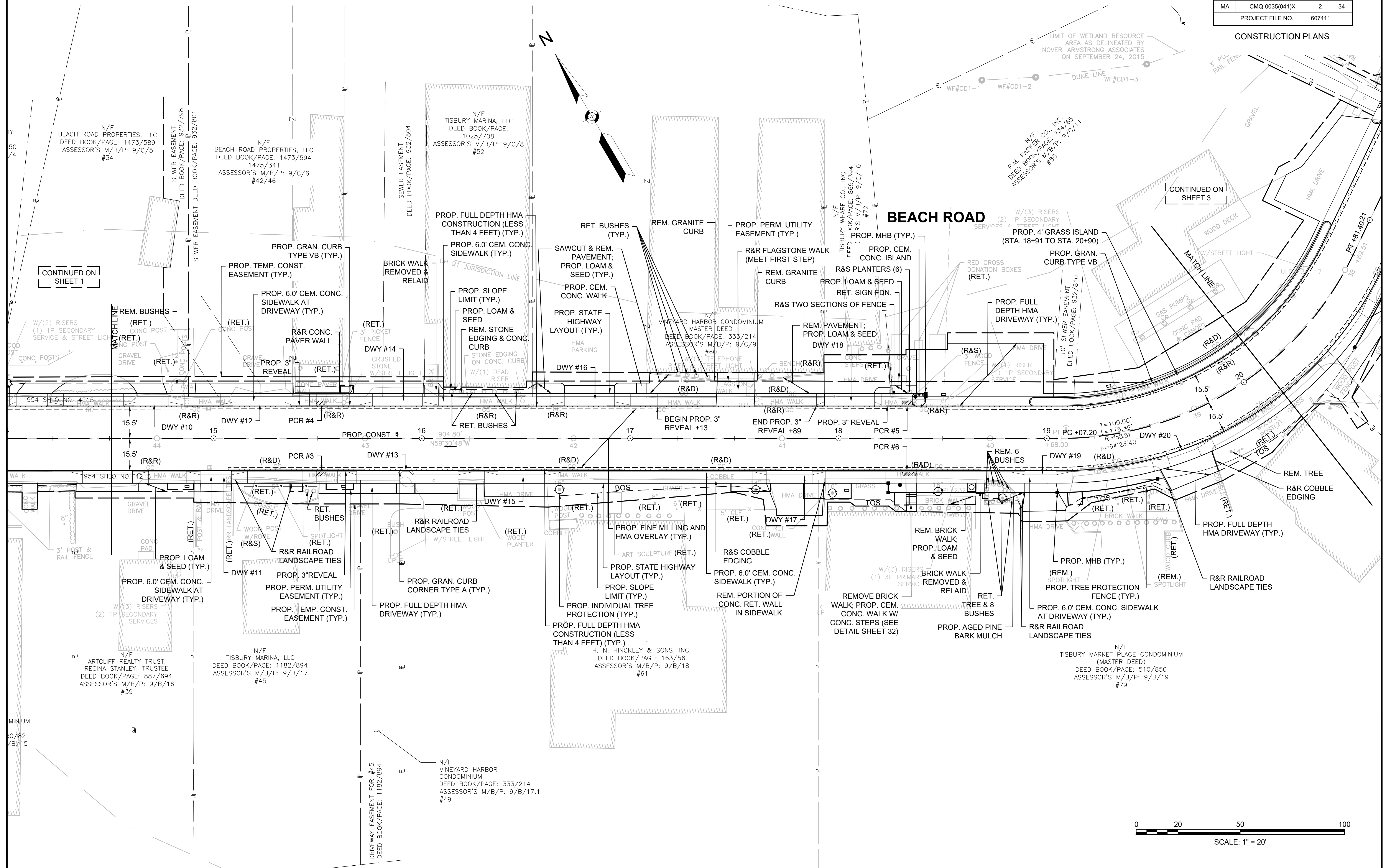
GENERAL NOTES:

- ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1.5% (0.015 FT/FT). TOLERANCE FOR CONSTRUCTION SHALL BE $\pm 0.50\%$. IN NO CASE SHALL THE SIDEWALK CROSS SLOPE EXCEED 2.0% (0.02 FT/FT). SIDEWALKS SHALL HAVE A MINIMUM CLEAR PATH OF 36" FREE OF OBSTRUCTION (UTILITY POLES, HYDRANTS, ETC.).
- ASPHALT EMULSION FOR TACK COAT (RS-1h) SHALL BE APPLIED AT THE RATE OF 0.06 TO 0.08 GALLONS PER SQUARE YARD OVER NEW HMA SURFACES NOT OPENED TO TRAFFIC AS WELL AS OVER EXISTING TIGHT SMOOTH PAVEMENT. ON MILLED SURFACES, THE EMULSION APPLICATION RATE SHALL EQUAL 0.07 TO 0.09 GALLONS PER SQUARE YARD. ON NEW HMA PATCHES, THE EMULSION APPLICATION RATE SHALL EQUAL 0.06 TO 0.09 GALLONS PER SQUARE YARD.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT IT IS ANTICIPATED THAT THE EXISTING SUBBASE MAY BE SUITABLE FOR REUSE AS GRAVEL BORROW MATERIAL. THE EXISTING SUBBASE MATERIAL WILL BE TESTED BY MASSDOT. IF THE TESTING REVEALS THAT THE EXISTING SUBBASE MATERIAL IS SUITABLE FOR REUSE AS GRAVEL BORROW FOR FULL DEPTH CONSTRUCTION AREAS, IT SHALL BE RETAINED AND THE QUANTITIES FOR EXCAVATION AND GRAVEL BORROW SHALL BE ADJUSTED ACCORDINGLY.

TISBURY
BEACH ROAD

CONSTRUCTION PLANS

607411_HD (CO).DWG Plotted on 27-May-2021 12:30 PM



HIGHWAY GUARD DETAILS
NONE

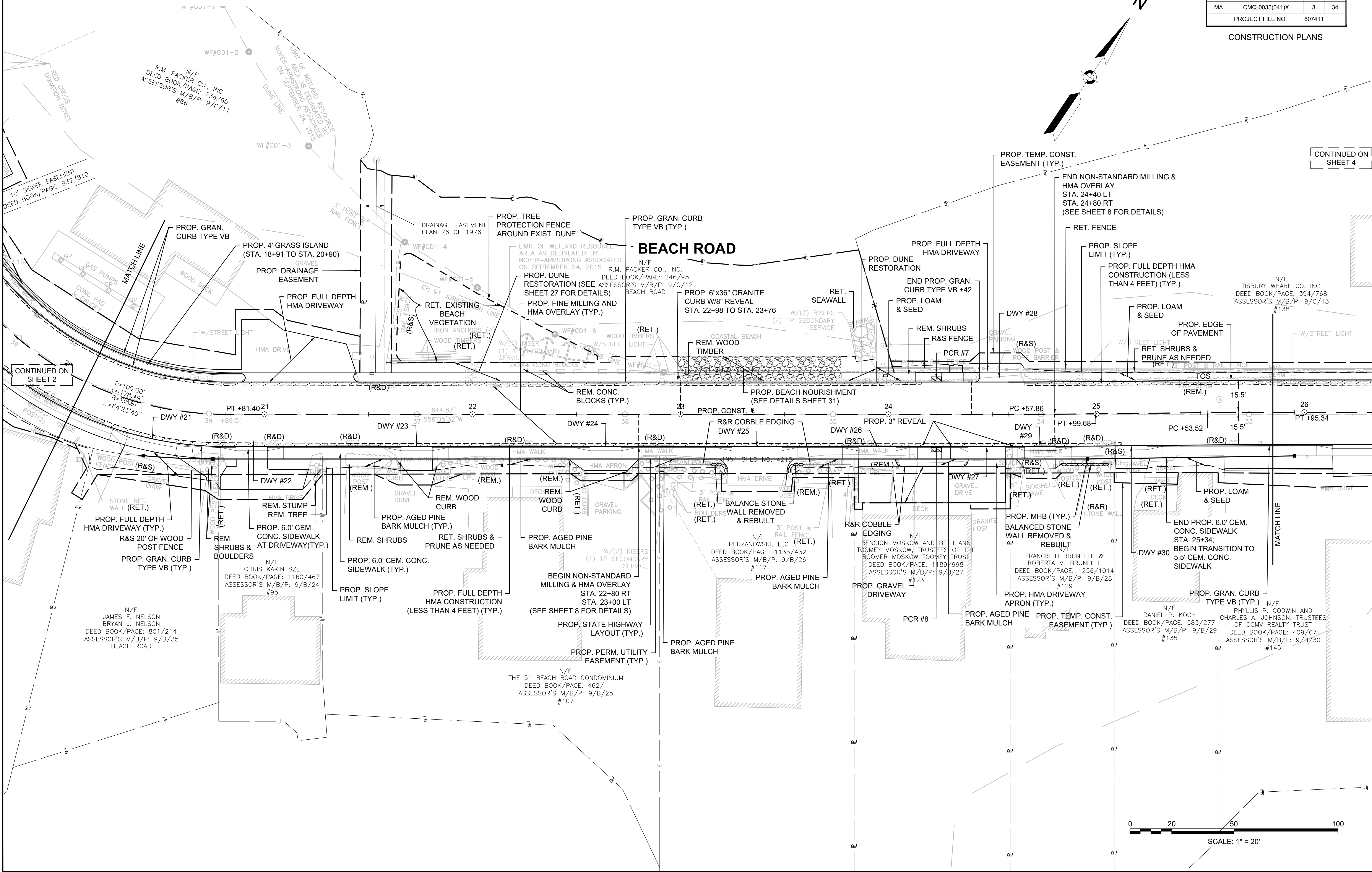
WATER SUPPLY ALTERATIONS
SEE SHEET 18

DRAINAGE DETAILS
SEE SHEET 18

TISBURY
BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	3	34
PROJECT FILE NO.		607411	

CONSTRUCTION PLANS



HIGHWAY GUARD DETAILS
NONE

WATER SUPPLY ALTERATIONS
SEE SHEET 19

DRAINAGE DETAILS
SEE SHEET 19

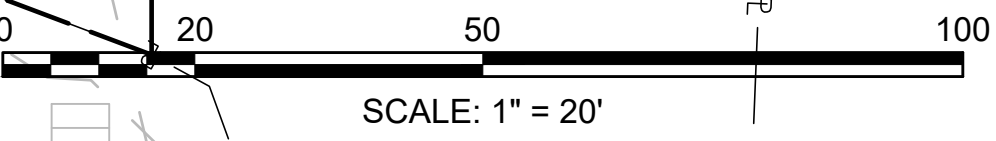
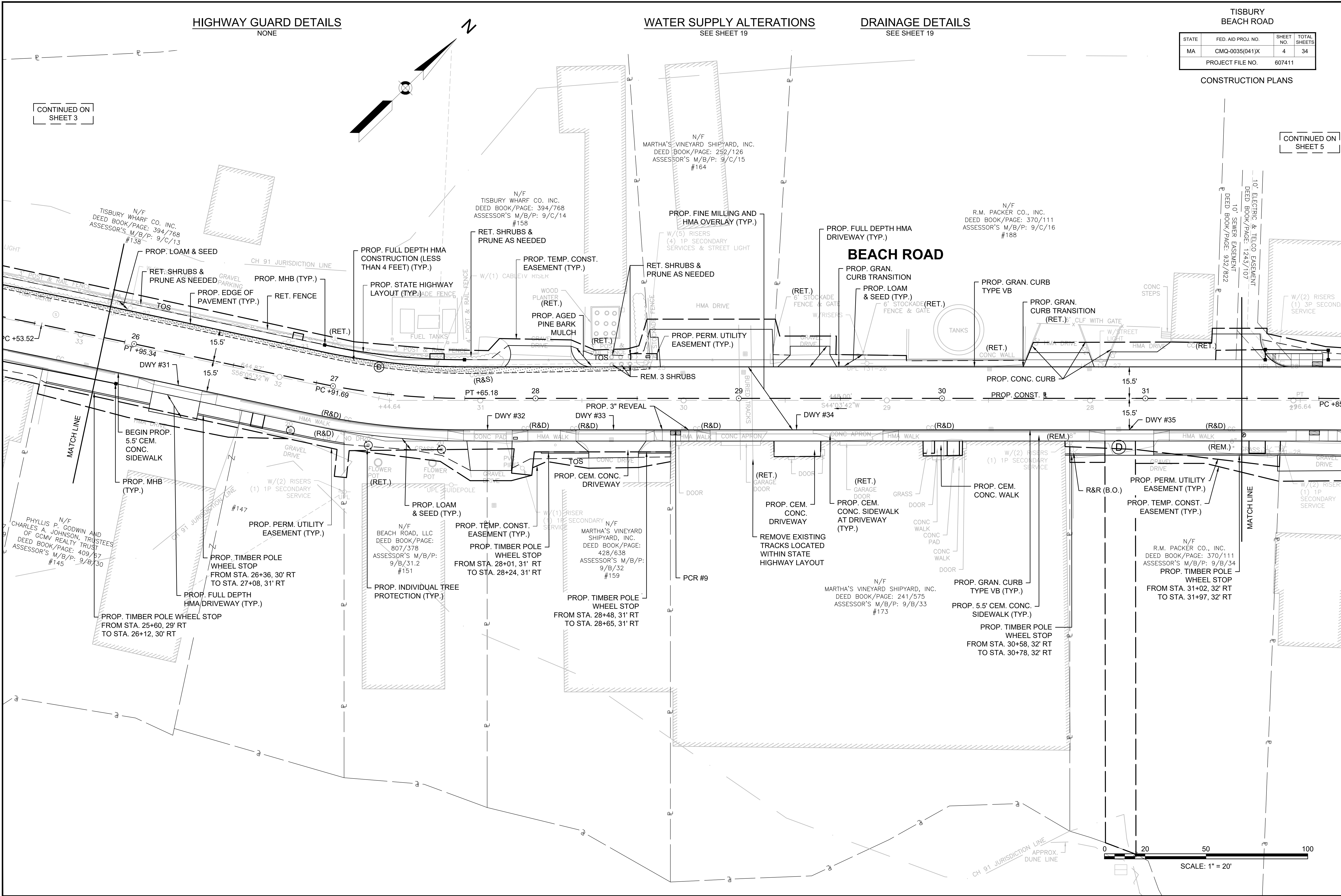
TISBURY
BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	4	34
PROJECT FILE NO.		607411	

CONSTRUCTION PLANS

CONTINUED ON
SHEET 3

CONTINUED ON
SHEET 5



HIGHWAY GUARD DETAILS
NONE

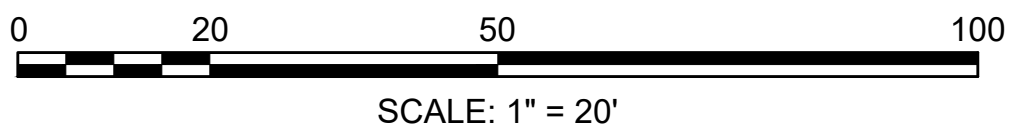
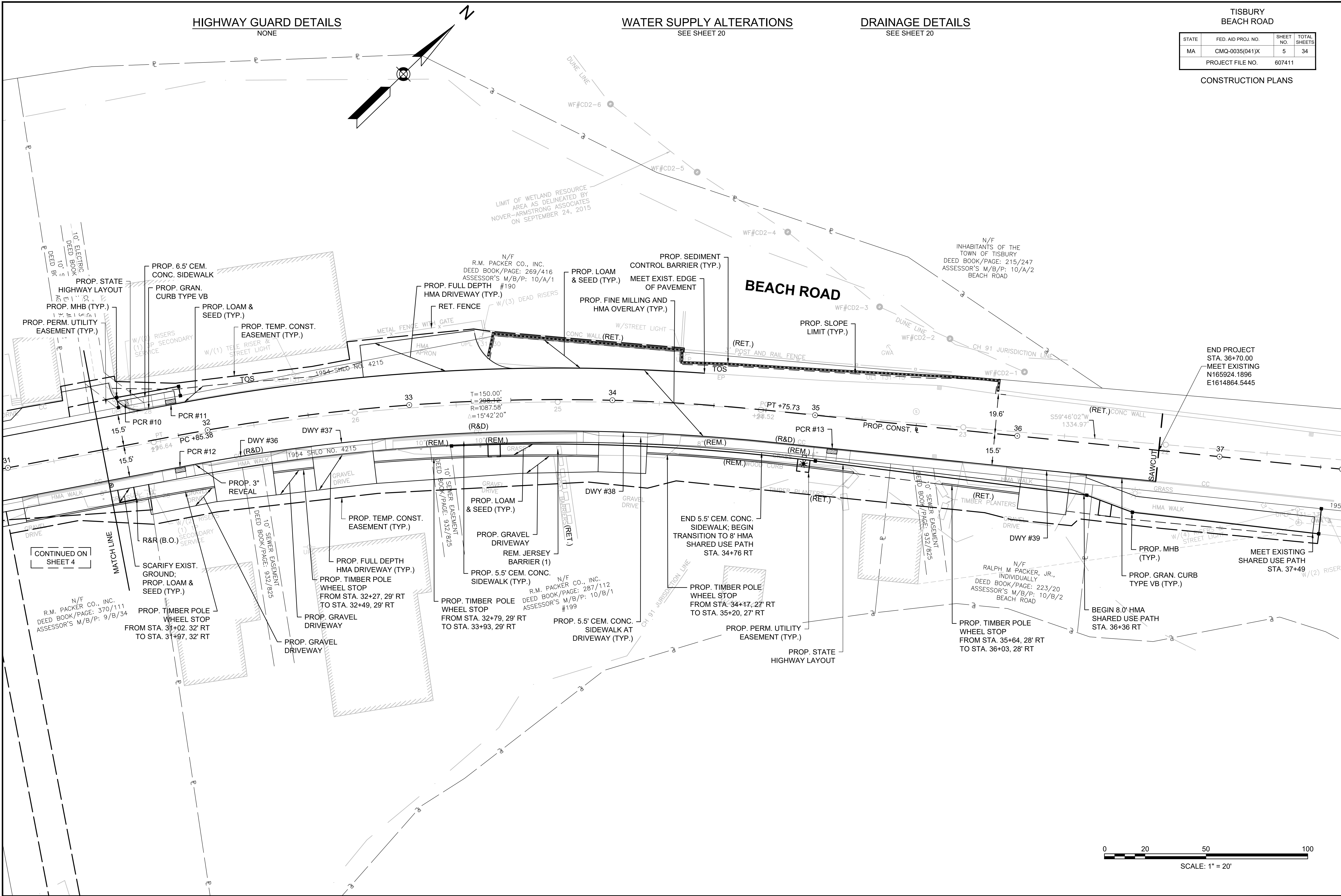
WATER SUPPLY ALTERATIONS
SEE SHEET 20

DRAINAGE DETAILS
SEE SHEET 20

TISBURY
BEACH ROAD

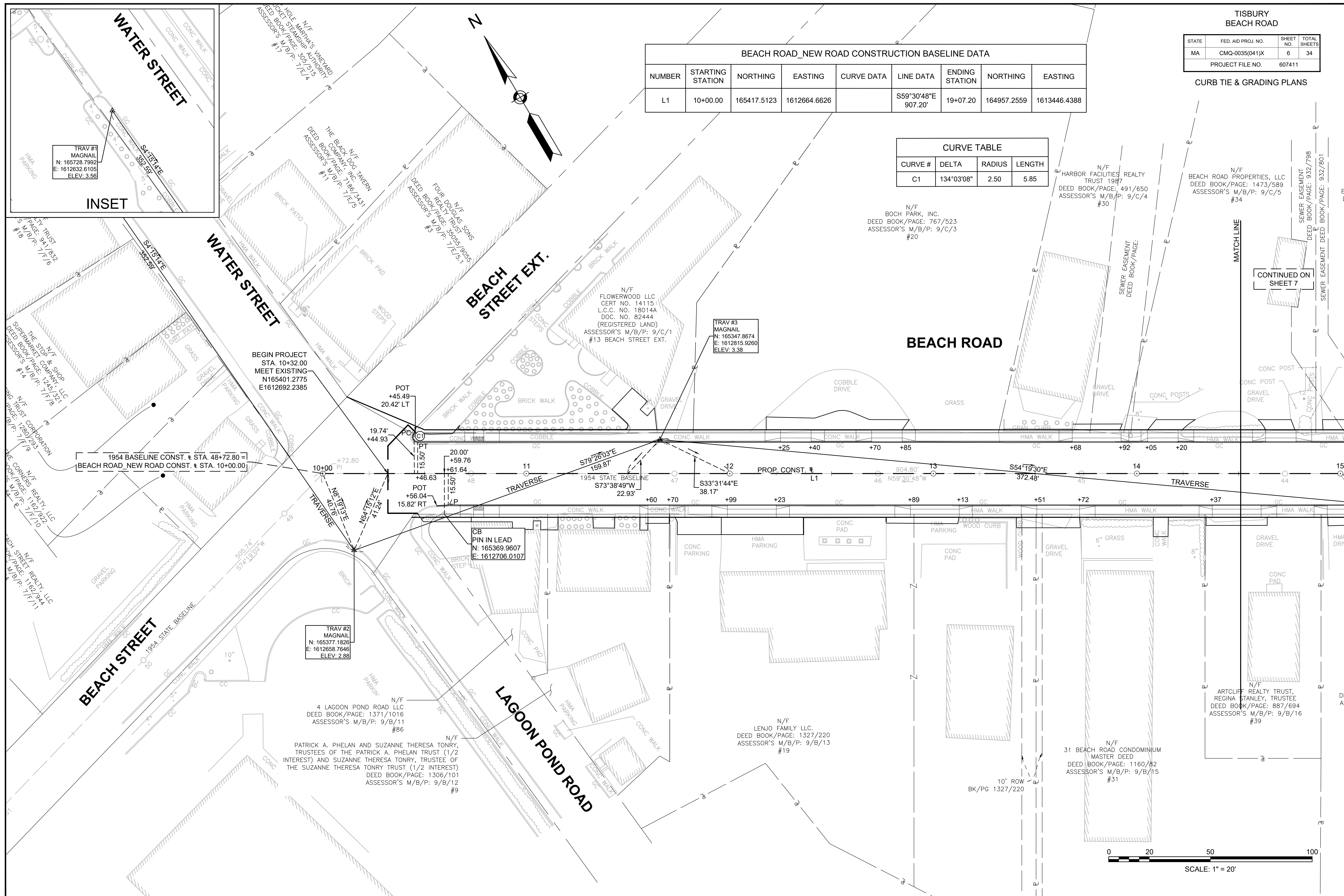
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	5	34
PROJECT FILE NO.		607411	

CONSTRUCTION PLANS



CURB TIE & GRADING PLANS

CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
C1	134°03'08"	2.50	5.85



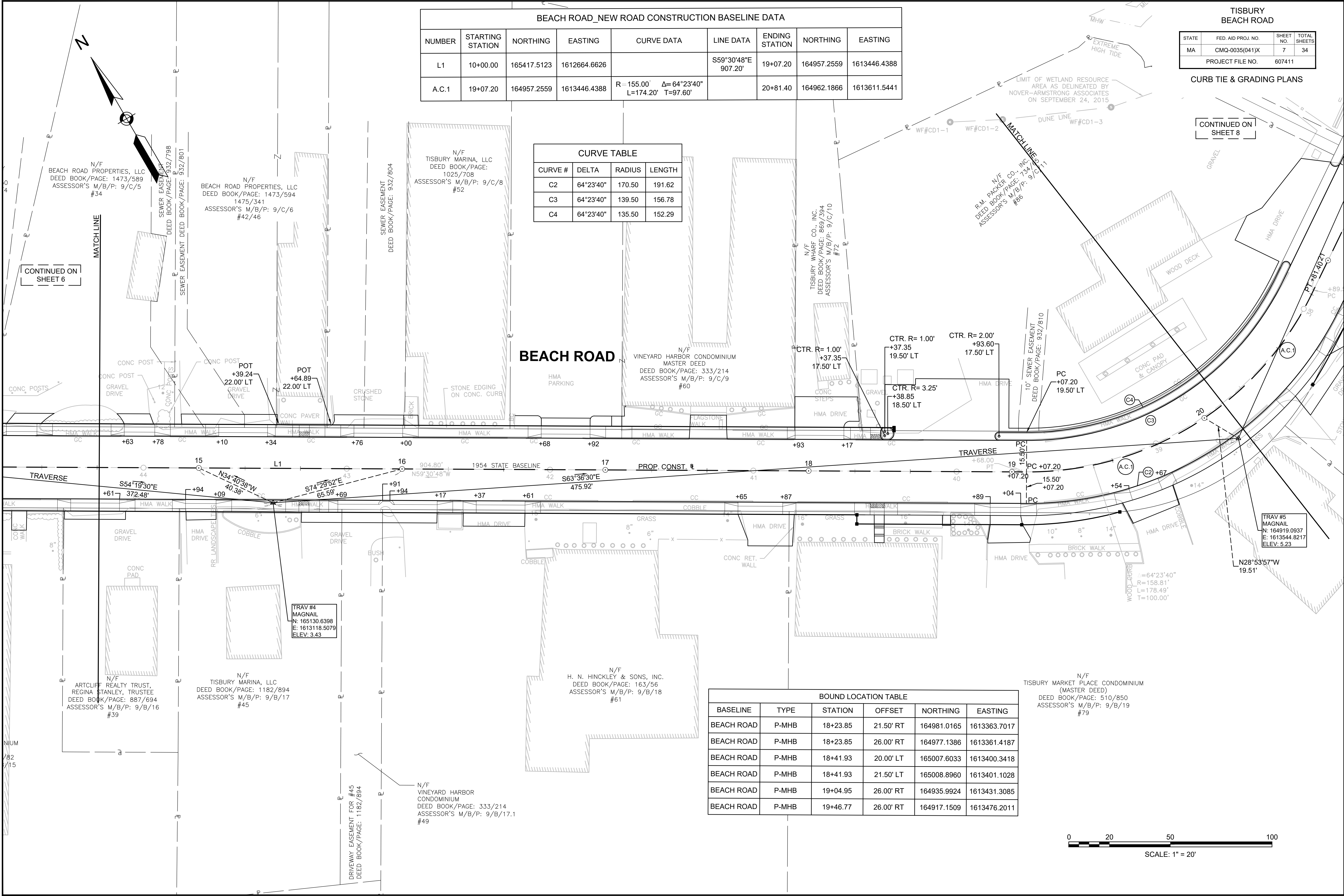
BEACH ROAD_NEW ROAD CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L1	10+00.00	165417.5123	1612664.6626		S59°30'48"E 907.20'	19+07.20	164957.2559	1613446.4388
A.C.1	19+07.20	164957.2559	1613446.4388	R = 155.00' Δ= 64°23'40" L=174.20' T=97.60'		20+81.40	164962.1866	1613611.5441

CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
C2	64°23'40"	170.50	191.62
C3	64°23'40"	139.50	156.78
C4	64°23'40"	135.50	152.29

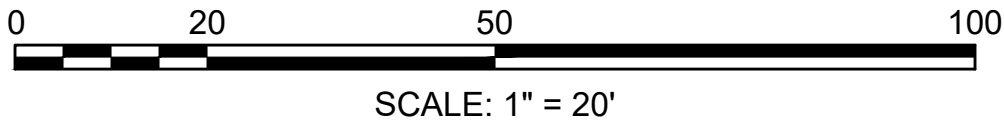
TISBURY BEACH ROAD			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	7	34
PROJECT FILE NO.		607411	

CURB TIE & GRADING PLANS

CONTINUED ON SHEET 8



BOUND LOCATION TABLE					
BASELINE	TYPE	STATION	OFFSET	NORTHING	EASTING
BEACH ROAD	P-MHB	18+23.85	21.50' RT	164981.0165	1613363.7017
BEACH ROAD	P-MHB	18+23.85	26.00' RT	164977.1386	1613361.4187
BEACH ROAD	P-MHB	18+41.93	20.00' LT	165007.6033	1613400.3418
BEACH ROAD	P-MHB	18+41.93	21.50' LT	165008.8960	1613401.1028
BEACH ROAD	P-MHB	19+04.95	26.00' RT	164935.9924	1613431.3085
BEACH ROAD	P-MHB	19+46.77	26.00' RT	164917.1509	1613476.2011



TISBURY
BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	8	34
PROJECT FILE NO.		607411	

CURB TIE & GRADING PLANS

CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
C5	0°35'56"	4015.50	41.98
C6	0°35'56"	3984.50	41.65
C7	0°35'56"	4015.50	41.98
C8	0°35'56"	3984.50	41.65

BEACH ROAD_NEW ROAD CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
A.C.1	19+07.20	164957.2559	1613446.4388	R=155.00' Δ=64°23'40" L=174.20' T=97.60'		20+81.40	164962.1866	1613611.5441
L2	20+81.40	164962.1866	1613611.5441		N56°05'32"E 376.46'	24+57.86	165172.1979	1613923.9824
A.C.2	24+57.86	165172.1979	1613923.9824	R=4000.00' Δ=0°35'56" L=41.82' T=20.91'		24+99.68	165195.7066	1613958.5649
L3	24+99.68	165195.7066	1613958.5649		N55°29'36"E 53.84'	25+53.52	165226.2076	1614002.9329
A.C.3	25+53.52	165226.2076	1614002.9329	R=4000.00' Δ=0°35'56" L=41.82' T=20.91'		25+95.34	165249.7162	1614037.5154

BOUND LOCATION TABLE					
BASELINE	TYPE	STATION	OFFSET	NORTHING	EASTING
BEACH ROAD	P-MHB	20+45.60	26.12' RT	164923.4300	1613589.5298
BEACH ROAD	P-MHB	20+74.65	23.58' RT	164940.8952	1613618.4089
BEACH ROAD	P-MHB	24+94.20	23.64' RT	165175.4270	1613967.3265

SEE INSET "A" BELOW FOR GRADING DETAILS
STA. 22+80 LT TO STA. 24+80 RT
STA. 23+00 RT TO STA. 24+40 LT

BEACH ROAD

TRAV #6
MAGNAIL
N: 165186.2840
E: 1613914.5841
ELEV: 3.72

SB/DH
N: 165155.6180
E: 1613935.5610

SB/DH
N: 165183.4029
E: 1613977.0548

N/F
BENCION MOSKOW AND BETH ANN
TOOMEY MOSKOW, TRUSTEES OF THE
BOOMER MOSKOW TOOMEY TRUST
DEED BOOK/PAGE: 1189/998
ASSESSOR'S M/B/P: 9/B/27
#123

N/F
FRANCIS H. BRUNELLE &
ROBERTA M. BRUNELLE
DEED BOOK/PAGE: 1256/1014
ASSESSOR'S M/B/P: 9/B/28
#129

N/F
DANIEL P. KOCH
DEED BOOK/PAGE: 583/277
ASSESSOR'S M/B/P: 9/B/29
#135

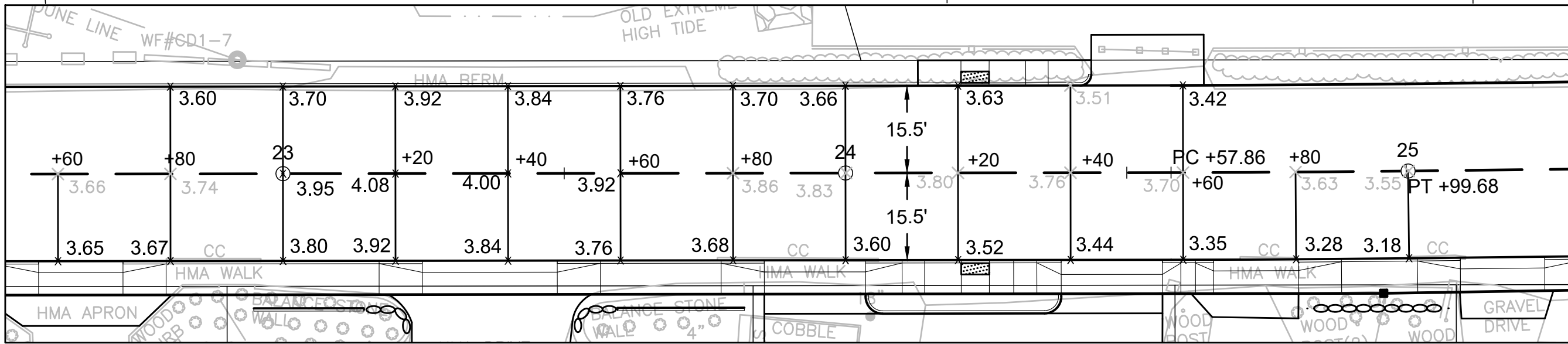
N/F
PHYLLIS P. GODWIN AND
CHARLES A. JOHNSON, TRUSTEES
OF GCMV REALTY TRUST
DEED BOOK/PAGE: 409/67
ASSESSOR'S M/B/P: 9/B/30
#145

N/F
PERZANOWSKI, LLC
DEED BOOK/PAGE: 1135/432
ASSESSOR'S M/B/P: 9/B/26
#117

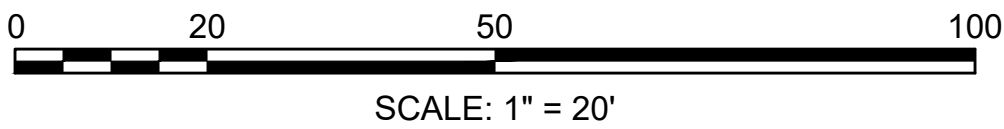
N/F
THE 51 BEACH ROAD CONDOMINIUM
DEED BOOK/PAGE: 462/1
ASSESSOR'S M/B/P: 9/B/25
#107

N/F
CHRIS KAKIN SZE
DEED BOOK/PAGE: 1160/467
ASSESSOR'S M/B/P: 9/B/24
#95

N/F
JAMES F. NELSON
BRYAN J. NELSON
DEED BOOK/PAGE: 801/214
ASSESSOR'S M/B/P: 9/B/35
BEACH ROAD



GRADING LEGEND
EXISTING SPOT GRADE x 3.43
PROPOSED SPOT GRADE x 3.43



BEACH ROAD_NEW ROAD CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
L4	25+95.34	165249.7162	1614037.5154		N56°05'32"E 96.35'	26+91.69	165303.4675	1614117.4823
A.C.4	26+91.69	165303.4675	1614117.4823	R=350.00' Δ=12°01'50" L=73.49' T=36.88'		27+65.18	165350.5440	1614173.7392
L5	27+65.18	165350.5440	1614173.7392		N44°03'42"E 420.20'	31+85.38	165652.4939	1614465.9575

**TISBURY
BEACH ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	9	34
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CURB TIE & GRADING PLANS

CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
C9	12°01'50"	334.50	70.24
C10	12°01'50"	365.50	76.75

N/F
MARTHA'S VINEYARD SHIPYARD, INC.
DEED BOOK/PAGE: 252/126
ASSESSOR'S M/B/P: 9/C/15
#164

N/F
TISBURY WHARF CO. INC.
DEED BOOK/PAGE: 394/768
ASSESSOR'S M/B/P: 9/C/14
#158

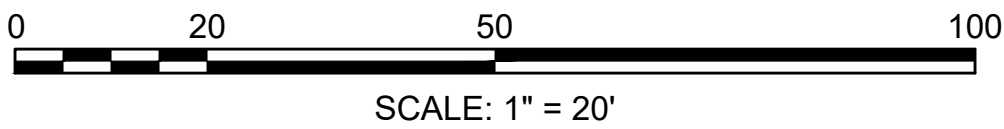
N/F
R.M. PACKER CO., INC.
DEED BOOK/PAGE: 370/111
ASSESSOR'S M/B/P: 9/C/16
#188

BEACH ROAD

BOUND LOCATION TABLE					
BASELINE	TYPE	STATION	OFFSET	NORTHING	EASTING
BEACH ROAD	P-MHB	25+93.73	23.50' RT	165232.2876	1614049.2304
BEACH ROAD	P-MHB	26+90.78	15.04' LT	165319.2951	1614106.9705
BEACH ROAD	P-MHB	27+62.94	14.50' LT	165363.6815	1614160.0127

CONTINUED ON
SHEET 8

CONTINUED ON
SHEET 10

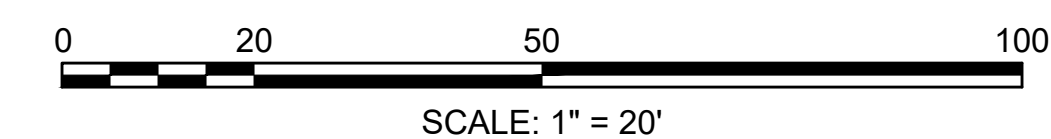


APPROX
DUNE LINE
APPROX

BEACH ROAD_NEW ROAD CONSTRUCTION BASELINE DATA								
NUMBER	STARTING STATION	NORTHING	EASTING	CURVE DATA	LINE DATA	ENDING STATION	NORTHING	EASTING
A.C.5	31+85.38	165652.4939	1614465.9575	R= 1000.00' Δ= 16°38'10" L=290.36' T=146.21'		34+75.73	165829.1128	1614695.1344
L6	34+75.73	165829.1128	1614695.1344		N60°41'52"E 284.82'	37+60.56	165968.5104	1614943.5163

CURVE TABLE			
CURVE #	DELTA	RADIUS	LENGTH
C11	16°38'10"	984.50	285.86
C12	14°49'58"	1015.50	262.89
C13	55°28'55"	15.00	14.53

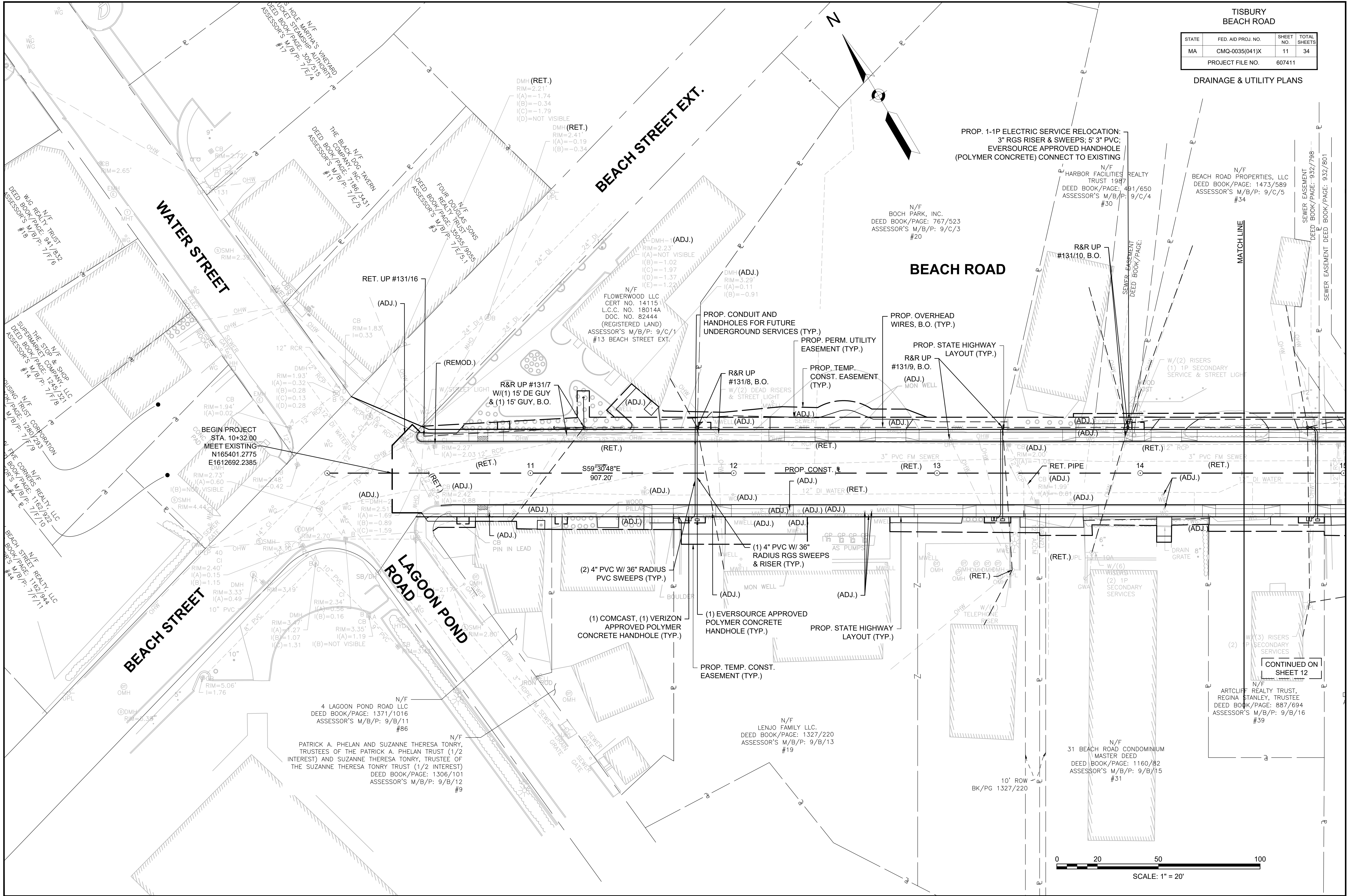
BOUND LOCATION TABLE					
BASELINE	TYPE	STATION	OFFSET	NORTHING	EASTING
BEACH ROAD	P-MHB	31+56.86	14.50' LT	165646.7510	1614433.9590
BEACH ROAD	P-MHB	31+56.86	19.50' LT	165650.2281	1614430.3661
BEACH ROAD	P-MHB	31+87.37	19.50' LT	165672.2579	1614452.1749
BEACH ROAD	P-MHB	31+87.49	14.86' LT	165669.0251	1614455.5153
BEACH ROAD	P-MHB	33+18.22	23.50' RT	165725.6057	1614578.8029
BEACH ROAD	P-MHB	35+01.10	23.63' RT	165822.6045	1614729.3496
BEACH ROAD	P-MHB	36+38.12	25.80' RT	165886.8909	1614850.3750
BEACH ROAD	P-MHB	36+60.83	31.25' RT	165893.0917	1614872.8941
BEACH ROAD	P-MHB	37+51.15	19.76' RT	165946.7753	1614946.4209
BEACH ROAD	P-MHB	37+51.21	32.22' RT	165935.9031	1614952.4976

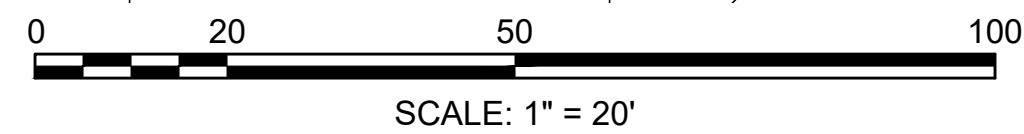
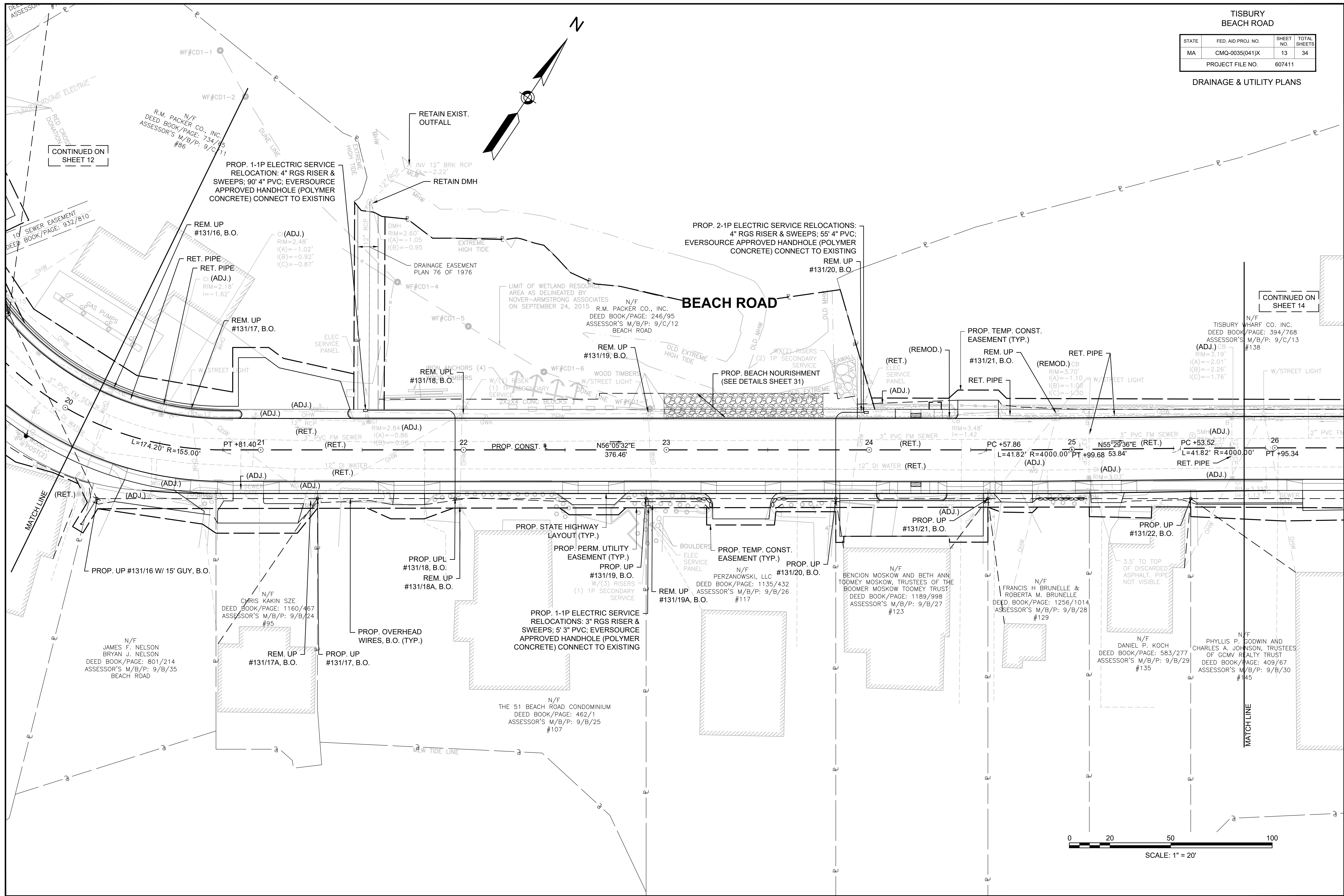


TISBURY
BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	11	34
PROJECT FILE NO.		607411	

DRAINAGE & UTILITY PLANS





S07411 HD (DII) DWG Plotted on 27-May-2021 12:31 PM

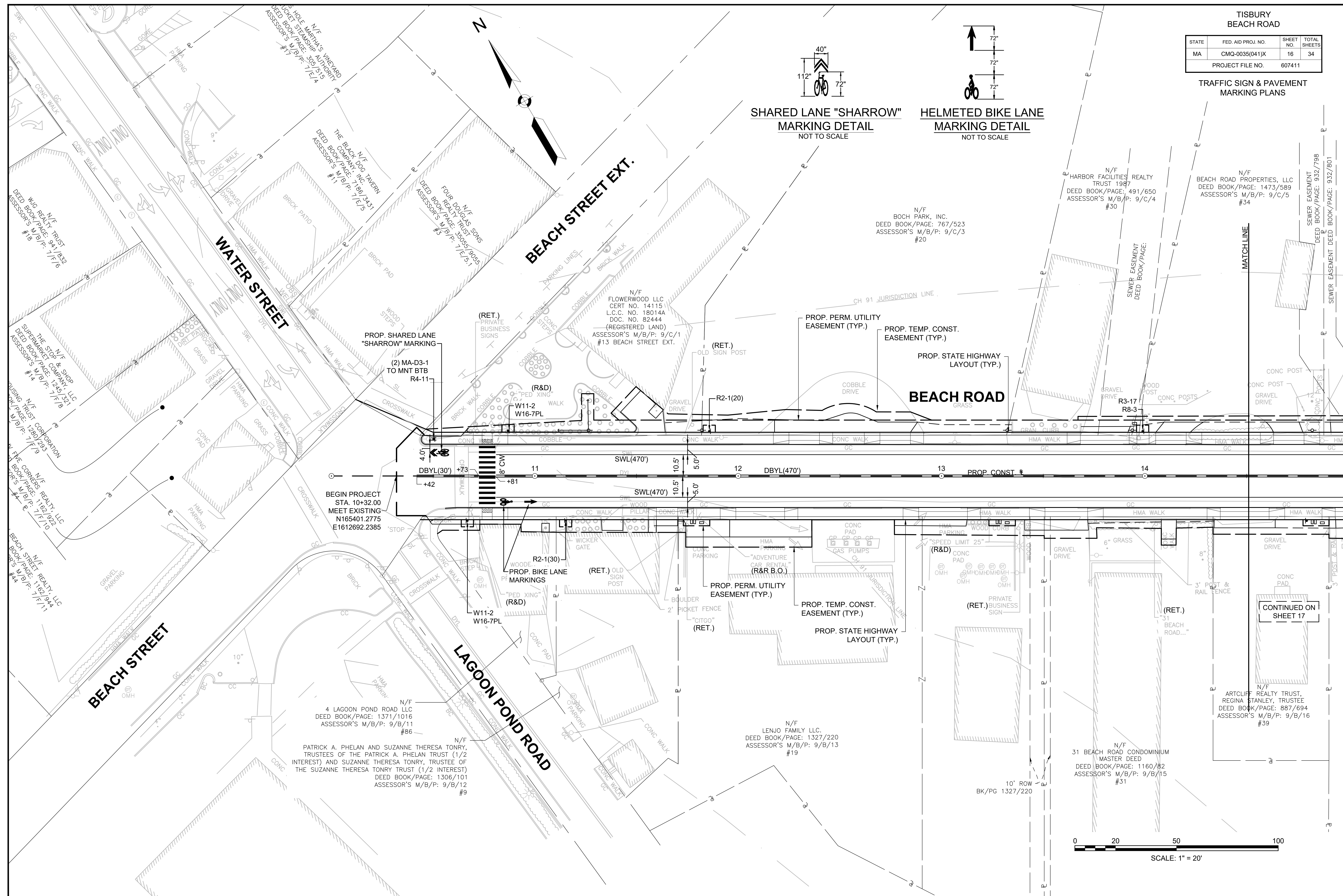
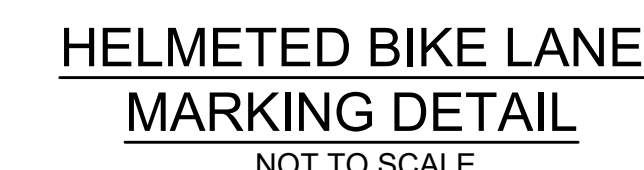


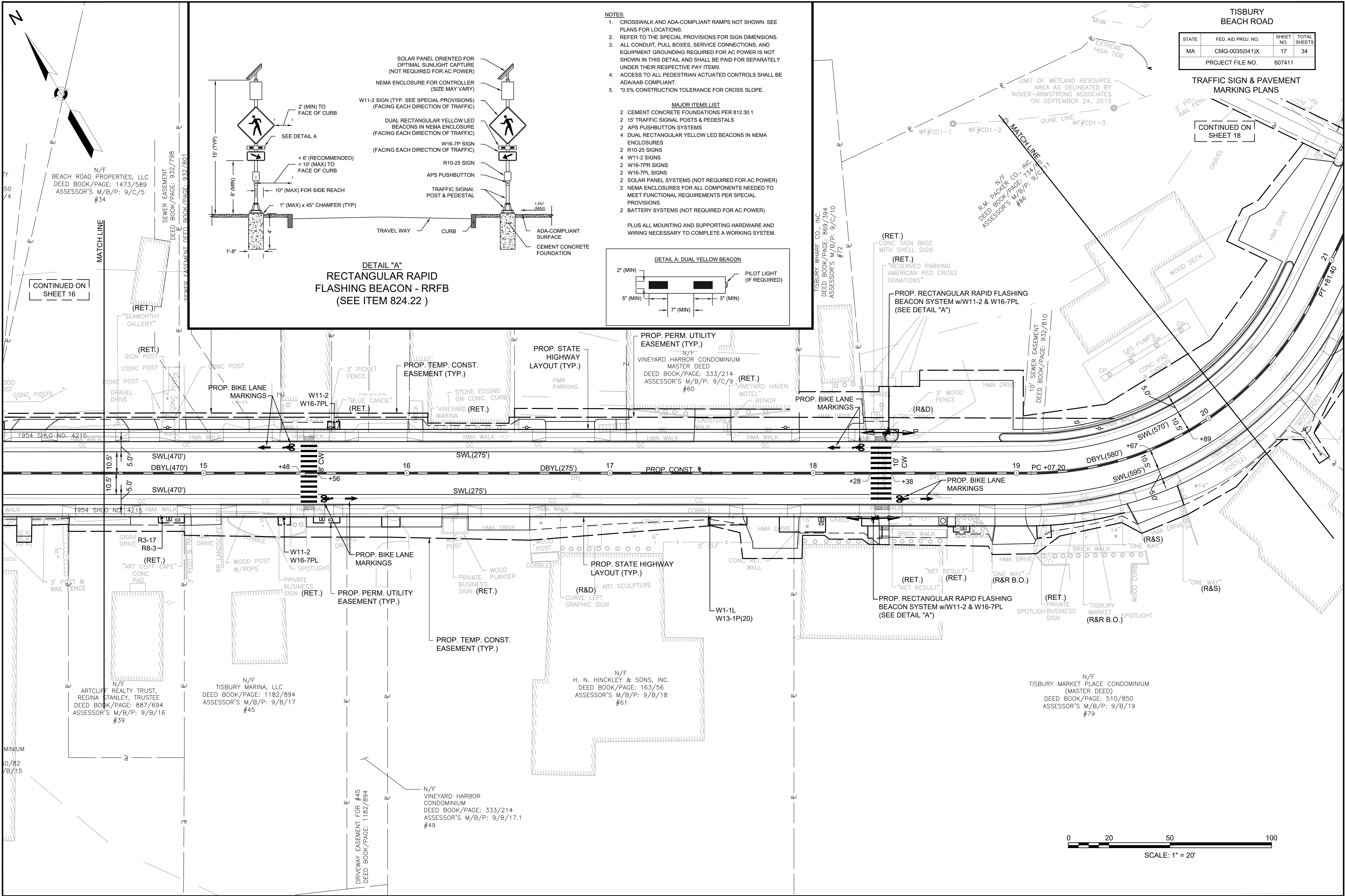
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STATE	FED. AID PROJ. NO.	SHEET NO.	TOT. SHEETS
MA	CMQG-0035(041)X	16	34
PROJECT FILE NO.		607411	

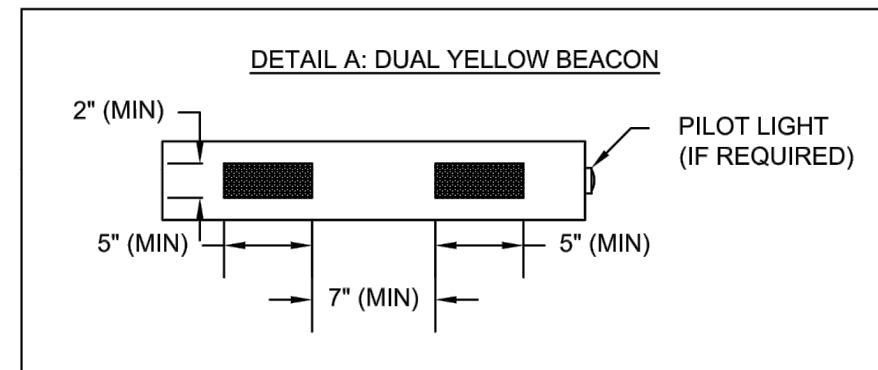
TRAFFIC SIGN & PAVEMENT MARKING PLANS



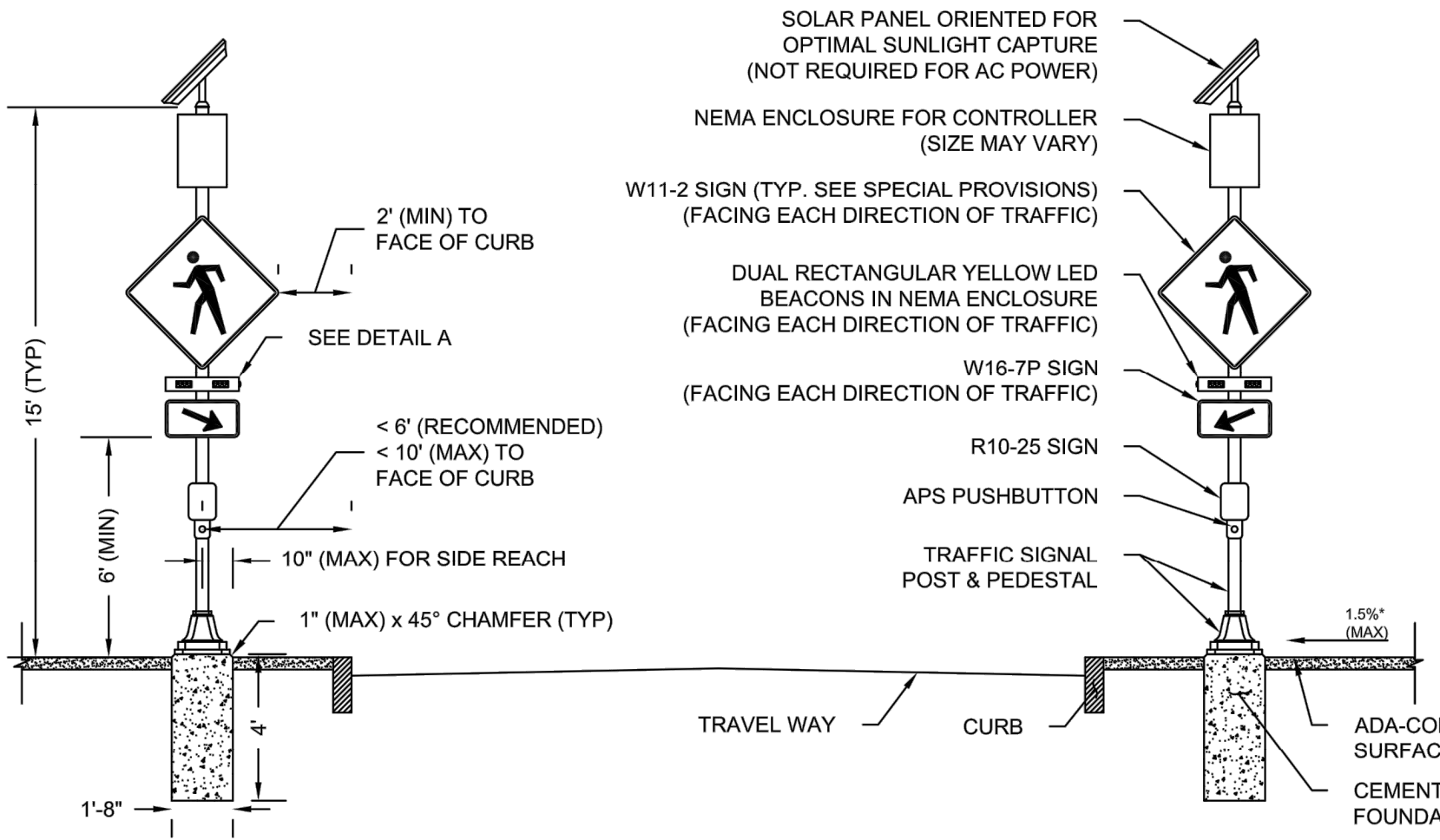


- NOTES:**
- CROSSWALK AND ADA-COMPLIANT RAMPS NOT SHOWN. SEE PLANS FOR LOCATIONS.
 - REFER TO THE SPECIAL PROVISIONS FOR SIGN DIMENSIONS.
 - ALL CONDUIT, PULL BOXES, SERVICE CONNECTIONS, AND EQUIPMENT GROUNDING REQUIRED FOR AC POWER IS NOT SHOWN IN THIS DETAIL AND SHALL BE PAID FOR SEPARATELY UNDER THEIR RESPECTIVE PAY ITEMS.
 - ACCESS TO ALL PEDESTRIAN ACTUATED CONTROLS SHALL BE ADA/AAB COMPLIANT.
 - *0.5% CONSTRUCTION TOLERANCE FOR CROSS SLOPE.

- MAJOR ITEMS LIST**
- 2 CEMENT CONCRETE FOUNDATIONS PER 812.30.1
 - 2 15' TRAFFIC SIGNAL POSTS & PEDESTALS
 - 2 APS PUSHBUTTON SYSTEMS
 - 4 DUAL RECTANGULAR YELLOW LED BEACONS IN NEMA ENCLOSURES
 - 2 R10-25 SIGNS
 - 2 W11-2 SIGNS
 - 2 W16-7PR SIGNS
 - 2 W16-7PL SIGNS
 - 2 SOLAR PANEL SYSTEMS (NOT REQUIRED FOR AC POWER)
 - 2 NEMA ENCLOSURES FOR ALL COMPONENTS NEEDED TO MEET FUNCTIONAL REQUIREMENTS PER SPECIAL PROVISIONS
 - 2 BATTERY SYSTEMS (NOT REQUIRED FOR AC POWER)
- PLUS ALL MOUNTING AND SUPPORTING HARDWARE AND WIRING NECESSARY TO COMPLETE A WORKING SYSTEM.



DETAIL "A"
RECTANGULAR RAPID FLASHING BEACON - RRFB
(SEE ITEM 824.22)



N/F
BEACH ROAD PROPERTIES, LLC
DEED BOOK/PAGE: 1473/589
ASSESSOR'S M/B/P: 9/C/5
#34

N/F
R.M. PACKER CO., INC.
DEED BOOK/PAGE: 734/10
ASSESSOR'S M/B/P: 9/C/10
#72

N/F
ARTOLIFF REALTY TRUST,
REGINA STANLEY, TRUSTEE
DEED BOOK/PAGE: 887/694
ASSESSOR'S M/B/P: 9/B/16
#39

N/F
TISBURY MARINA, LLC
DEED BOOK/PAGE: 1182/894
ASSESSOR'S M/B/P: 9/B/17
#45

N/F
H. N. HINCKLEY & SONS, INC.
DEED BOOK/PAGE: 163/56
ASSESSOR'S M/B/P: 9/B/18
#61

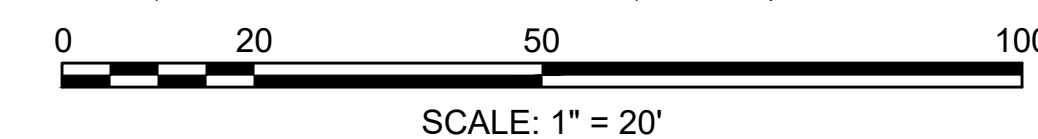
N/F
VINEYARD HARBOR
CONDOMINIUM
DEED BOOK/PAGE: 333/214
ASSESSOR'S M/B/P: 9/B/17.1
#49

N/F
TISBURY MARKET PLACE CONDOMINIUM
(MASTER DEED)
DEED BOOK/PAGE: 510/850
ASSESSOR'S M/B/P: 9/B/19
#79

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	18	34
PROJECT FILE NO.		607411	

BEACH ROAD

CONTINUED ON
SHEET 19

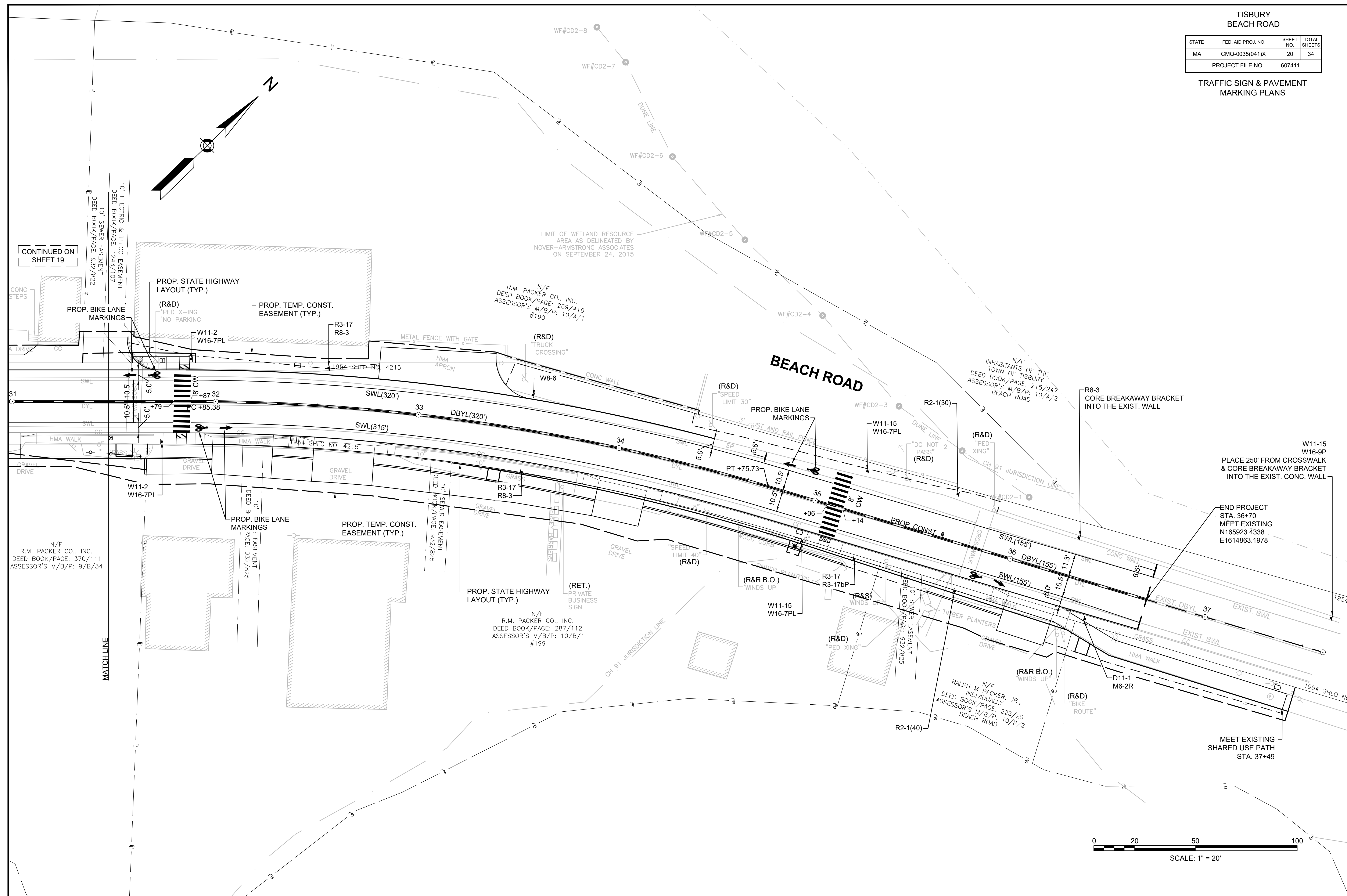


607411 HD (PM&S) DWG Plotted on 27-May-2021 12:32 PM



STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	20	34
PROJECT FILE NO.		607411	

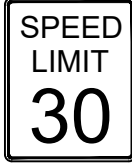
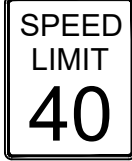
TRAFFIC SIGN & PAVEMENT MARKING PLANS



TISBURY
BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	21	34
PROJECT FILE NO.		607411	

TRAFFIC SIGN SUMMARY SHEET

IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)		NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	AREA IN SQUARE FEET
	WIDTH (INCHES)	HEIGHT (INCHES)		LETTER HEIGHT	VERTICAL SPACING		BACK- GROUND	LEGEND	BORDER			
R2-1(20)	24	30		MUTCD STANDARD	MUTCD STANDARD	1	WHITE	BLACK	BLACK	P5 (1 REQ'D)	5.00	5.00
R2-1(30)	24	30		MUTCD STANDARD	MUTCD STANDARD	2	WHITE	BLACK	BLACK	P5 (2 REQ'D)	5.00	10.00
R2-1(40)	24	30		MUTCD STANDARD	MUTCD STANDARD	1	WHITE	BLACK	BLACK	P5 (1 REQ'D)	5.00	5.00
R3-17	24	18		MUTCD STANDARD	MUTCD STANDARD	9	BLACK & WHITE	WHITE & BLACK	BLACK	8 MNT w/R8-3 1 MNT w/R3-17bP	3.00	27.00
R3-17bP	24	8		MUTCD STANDARD	MUTCD STANDARD	1	WHITE	BLACK	BLACK	P5 (1 REQ'D)	1.33	1.33
R4-11	30	30		MUTCD STANDARD	MUTCD STANDARD	1	WHITE	BLACK	BLACK	1 MNT w/MA-D3-1	6.25	6.25
R8-3	24	24		MUTCD STANDARD	MUTCD STANDARD	9	WHITE	BLACK & RED SYMBOL	BLACK	P5 (8 REQ'D)	4.00	36.00
R10-25	9	12		MUTCD STANDARD	MUTCD STANDARD	2	WHITE	BLACK	BLACK	PAY UNDER ITEM 824.22	PAY UNDER ITEM 824.22	
W1-1L	30	30		MUTCD STANDARD	MUTCD STANDARD	1	YELLOW	BLACK	BLACK	P5 (1 REQ'D)	6.25	6.25
W1-1R	30	30		MUTCD STANDARD	MUTCD STANDARD	1	YELLOW	BLACK	BLACK	P5 (1 REQ'D)	6.25	6.25
W8-6	24	24		MUTCD STANDARD	MUTCD STANDARD	2	YELLOW	BLACK	BLACK	P5 (2 REQ'D)	4.00	8.00
W11-2	30	30		MUTCD STANDARD	MUTCD STANDARD	14	YELLOW	BLACK	BLACK	P5 (10 REQ'D)	6.25	62.5
W11-15	30	30		MUTCD STANDARD	MUTCD STANDARD	4	YELLOW	BLACK	BLACK	P5 (4 REQ'D)	6.25	25.00
W13-1P(20)	18	18		MUTCD STANDARD	MUTCD STANDARD	2	YELLOW	BLACK	BLACK	1 MNT w/W1-1L 1 MNT w/W1-1R	2.25	4.50
W16-7PL	24	12		MUTCD STANDARD	MUTCD STANDARD	14	YELLOW	BLACK	BLACK	12 MNT w/W11-2	2.00	24.00
W16-7PR	24	12		MUTCD STANDARD	MUTCD STANDARD	2	YELLOW	BLACK	BLACK	2 MNT W/ W11-2 (PAY UNDER ITEM 824.22)	PAY UNDER ITEM 824.22	
W16-9P	24	12		MUTCD STANDARD	MUTCD STANDARD	2	YELLOW	BLACK	BLACK	1 MNT w/W11-2 1 MNT w/W11-15	2.00	4.00

IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)		NUMBER OF SIGNS REQUIRED	COLOR			POST SIZE AND NUMBER REQUIRED	UNIT AREA IN SQUARE FEET	AREA IN SQUARE FEET
	WIDTH (INCHES)	HEIGHT (INCHES)		LETTER HEIGHT	VERTICAL SPACING		BACK- GROUND	LEGEND	BORDER			
M6-2R	12	9		MUTCD STANDARD	MUTCD STANDARD	1	GREEN	WHITE	WHITE	MNT w/D11-1	0.75	0.75
MA-D3-1 (POS)	48	12		6"D/4"D (INCL. TOWN SEAL)	3" 3"	2	GREEN H/I	SILVER/ WHITE H/I	WHITE H/I	P5 (1 REQ'D) MNT BTB	PAY UNDER ITEM 874.	PAY UNDER ITEM 874.
D11-1	24	18		MUTCD STANDARD	MUTCD STANDARD	1	GREEN	WHITE	WHITE	1 MNT w/M4-6	3.00	3.00

NOTES:

- ALL WARNING, REGULATORY AND ROUTE MARKERS SHALL BE FABRICATED WITH HIGH INTENSITY ENCAPSULATED LENS REFLECTIVE SHEETING (SEE SECTION M9.30.0) TYPE III OR IV.
- ALL SIGNS NOTED AS "(R&R)" SHALL BE MOUNTED ON NEW P5 POSTS OR AS OTHERWISE INDICATED.
- ALL P5 POSTS SHALL BE TELESCOPIC SQUARE TYPE POSTS.
- QUANTITIES OF SIGNS AND POSTS SHOWN ON THIS SHEET MAY DIFFER FROM THE TRAFFIC SIGN & PAVEMENT MARKING PLANS. WHERE DIFFERENCES OCCUR, THE TRAFFIC SIGN & PAVEMENT MARKING PLANS SHALL PREVAIL.

HIGHWAY LIGHTING LEGEND

LUMINAIRE TYPE—

POLE NUMBER—

CIRCUIT VOLTAGE—

CIRCUIT #—

1Ø OR 3Ø—

1	A	III
120	A	
1	1	16

ANSI/IES LIGHT DISTRIBUTION

POLE MATERIAL

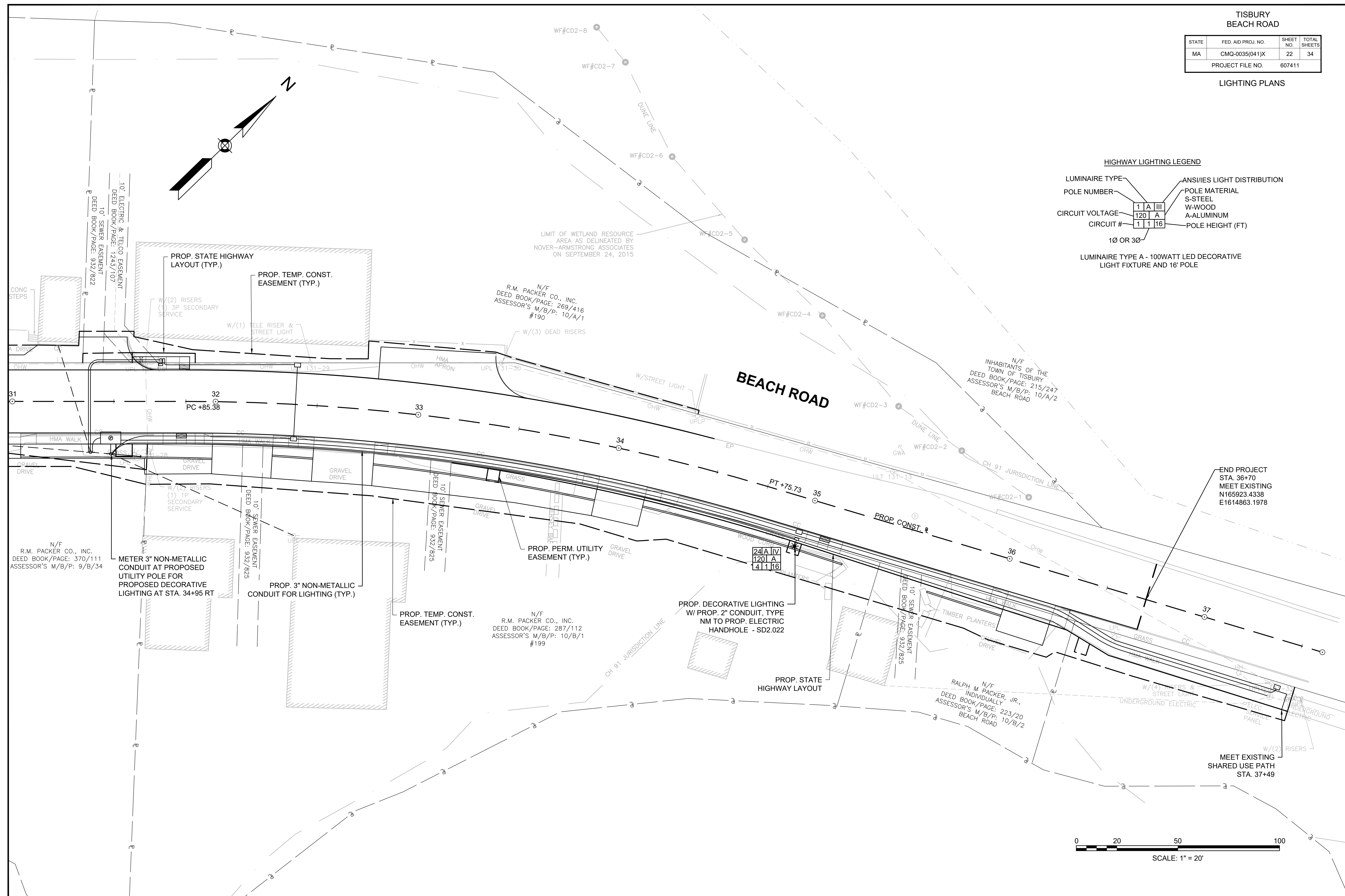
S-STEEL

W-WOOD

A-ALUMINUM

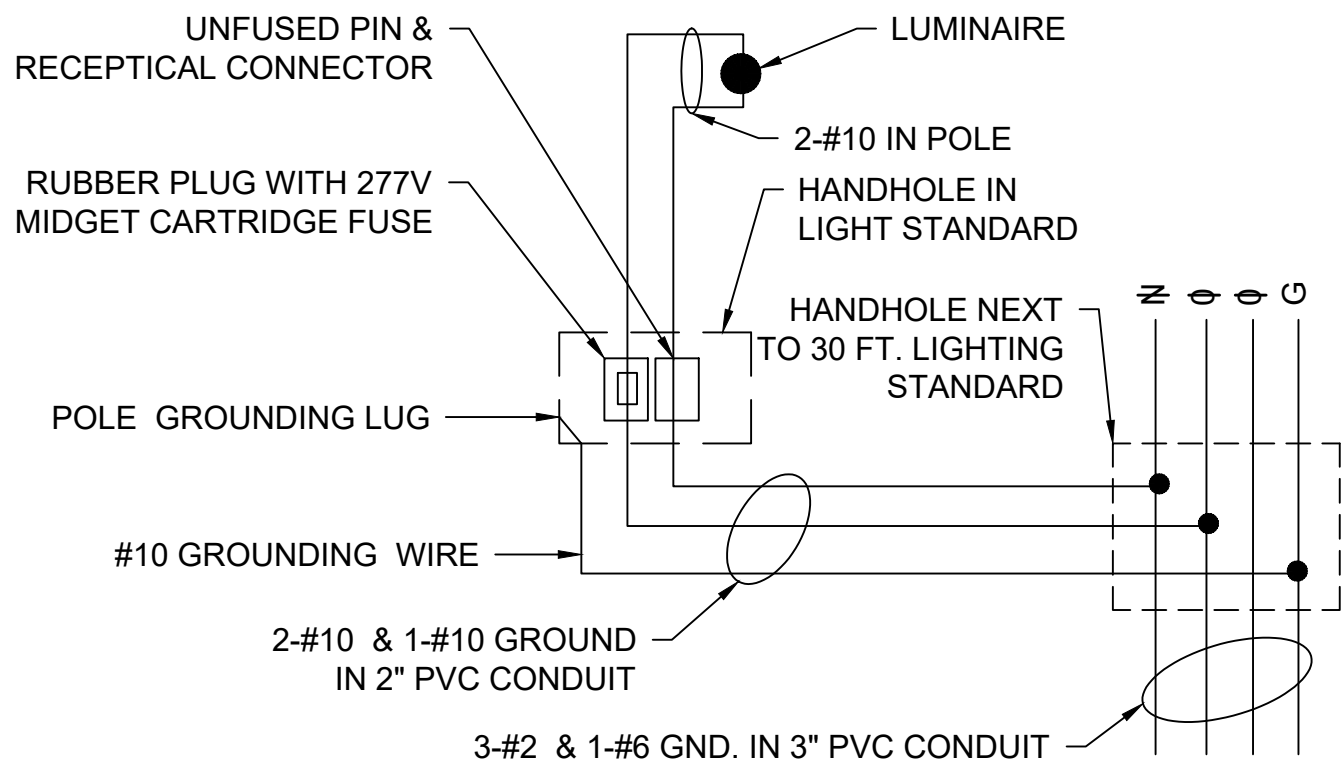
POLE HEIGHT (FT)

LUMINAIRE TYPE A - 100WATT LED DECORATIVE
LIGHT FIXTURE AND 16' POLE

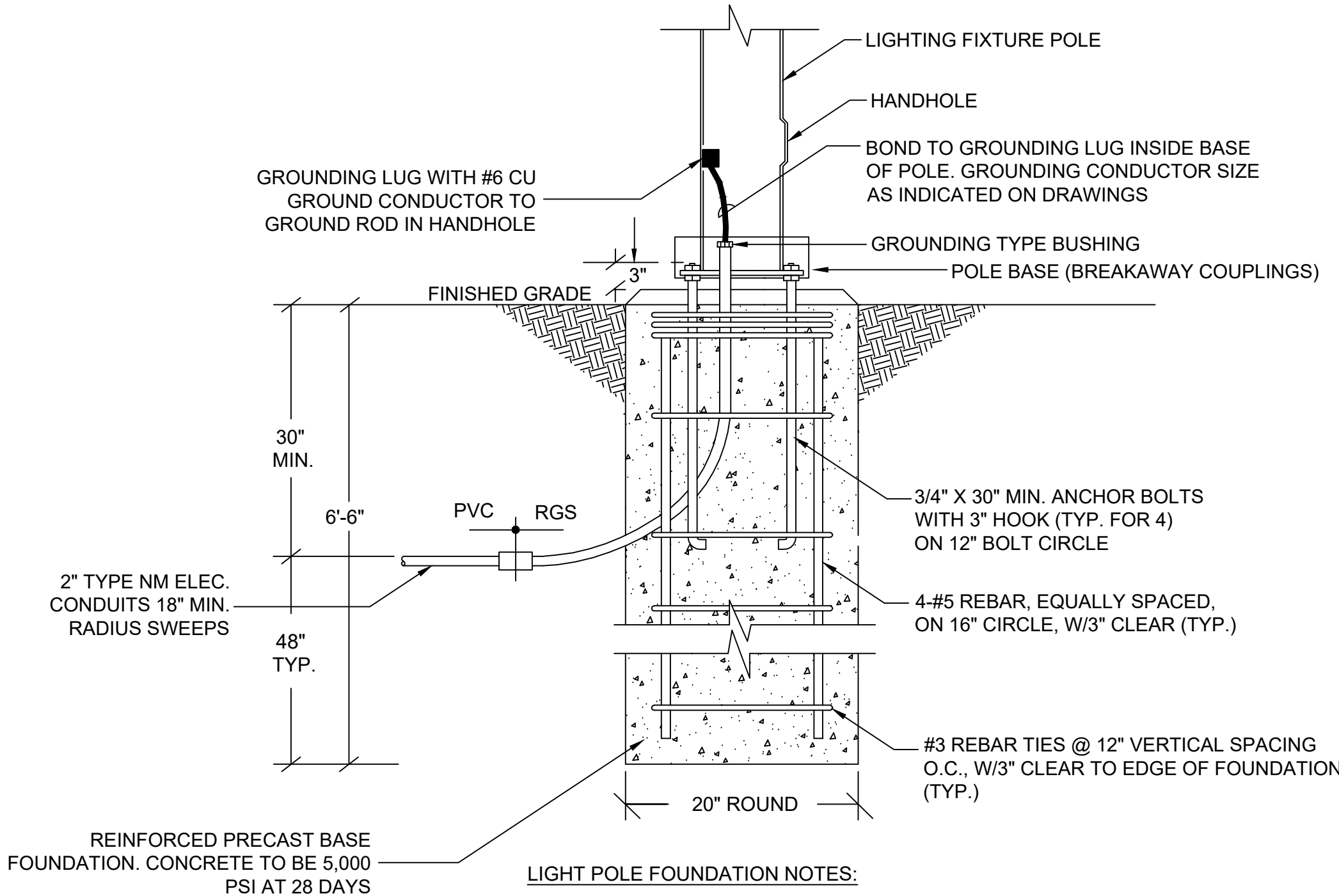


TISBURY BEACH ROAD			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	23	34
PROJECT FILE NO.		607411	

LIGHTING DETAILS



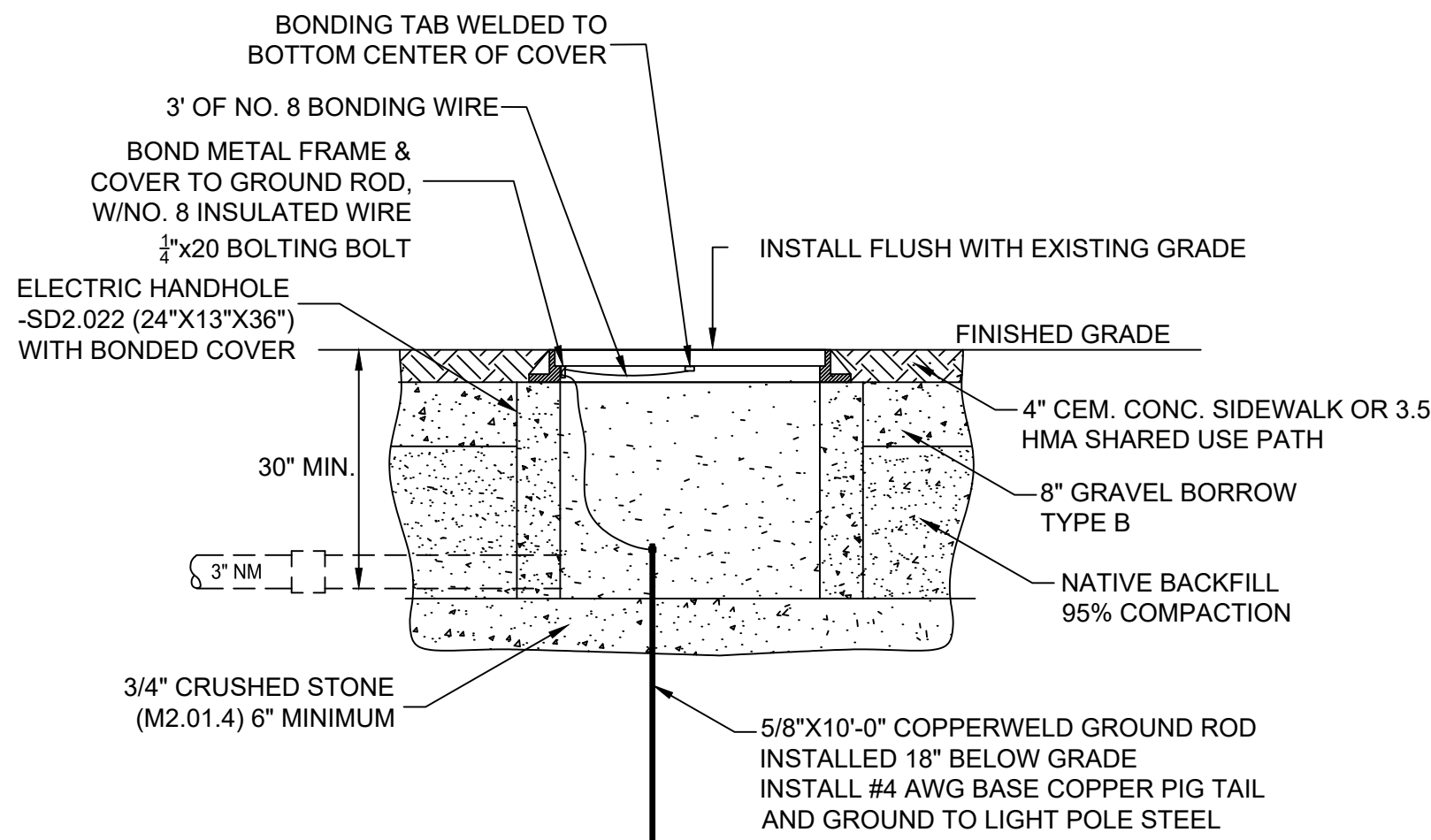
WIRING DIAGRAM FOR HIGHWAY LIGHTING LUMINAIRE
NOT TO SCALE



LIGHT POLE FOUNDATION NOTES:

1. BOLT PATTERN SHOWN IS TYPICAL AND NOT FOR CONSTRUCTION CONTRACTOR TO PROVIDE BOLT PATTERN DETAILS BASED ON SELECTED MANUFACTURER.
2. PROVIDE REBAR DETAIL FROM PRECAST CONCRETE VENDOR FOR APPROVAL.
3. CONDUIT LOCATIONS SHOWN ARE TYPICAL.

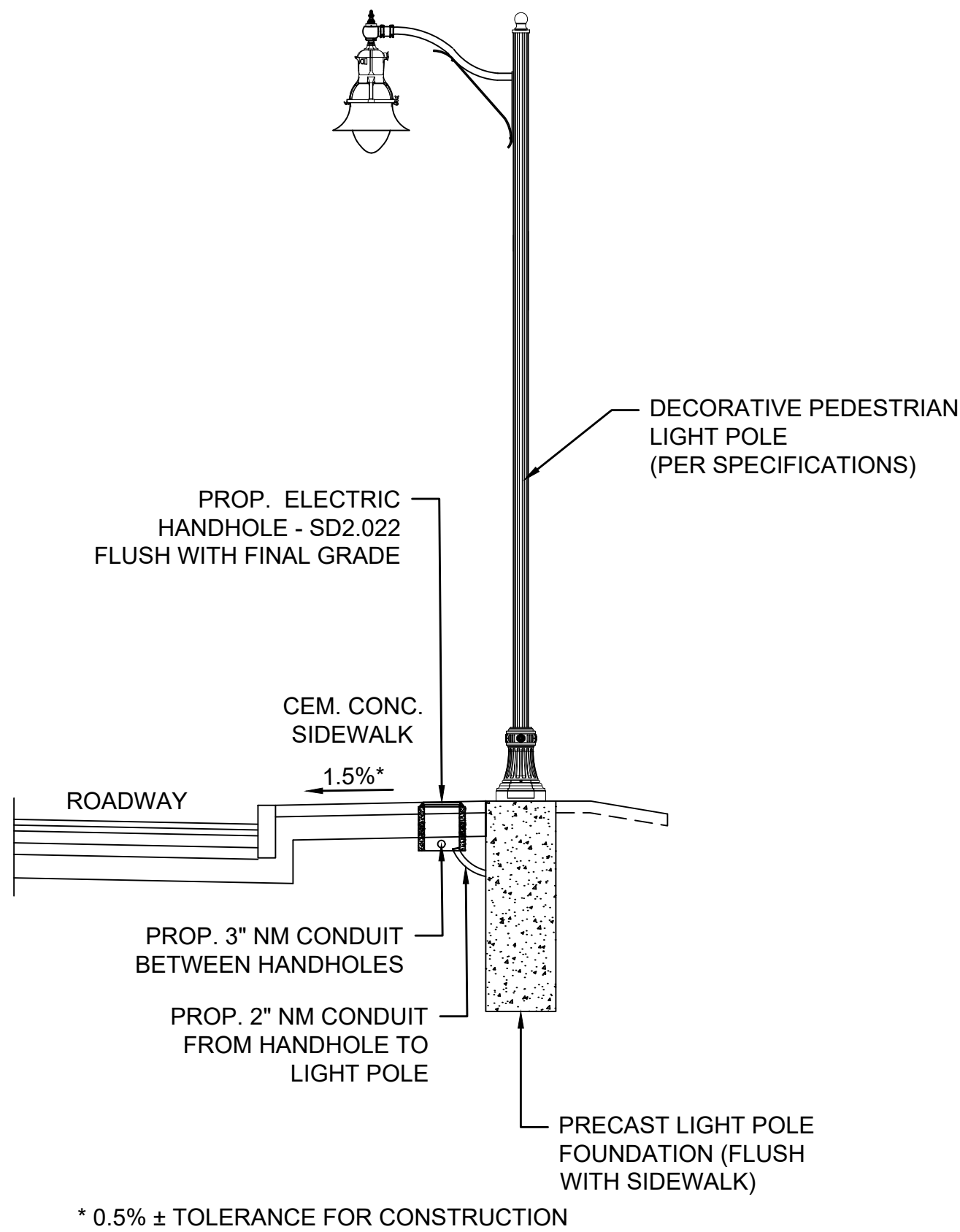
LIGHT POLE FOUNDATION DETAIL
NOT TO SCALE



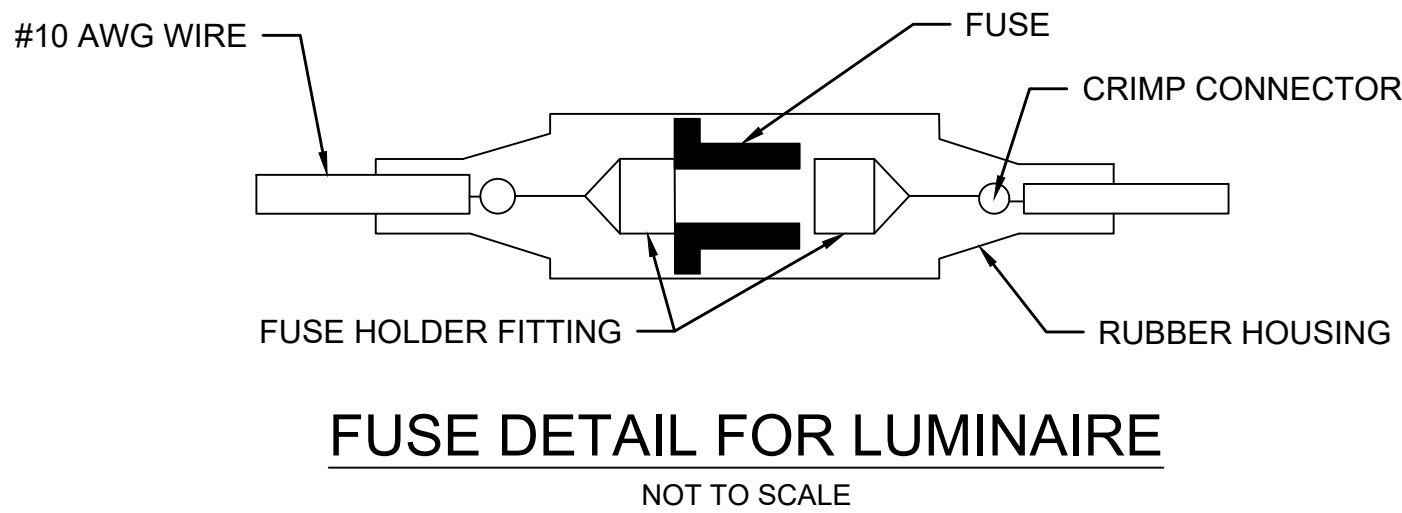
HANDHOLE INSTALLATION NOTES:

1. HANDHOLE ORIENTATION TO BE SUCH THAT ALL SUPPLY DUCTS ENTER ON SAME SHORT SIDE.
2. SIZE AND NUMBER OF CONDUITS AS REQUIRED.
3. CONDUIT LOCATIONS SHOWN ARE TYPICAL.

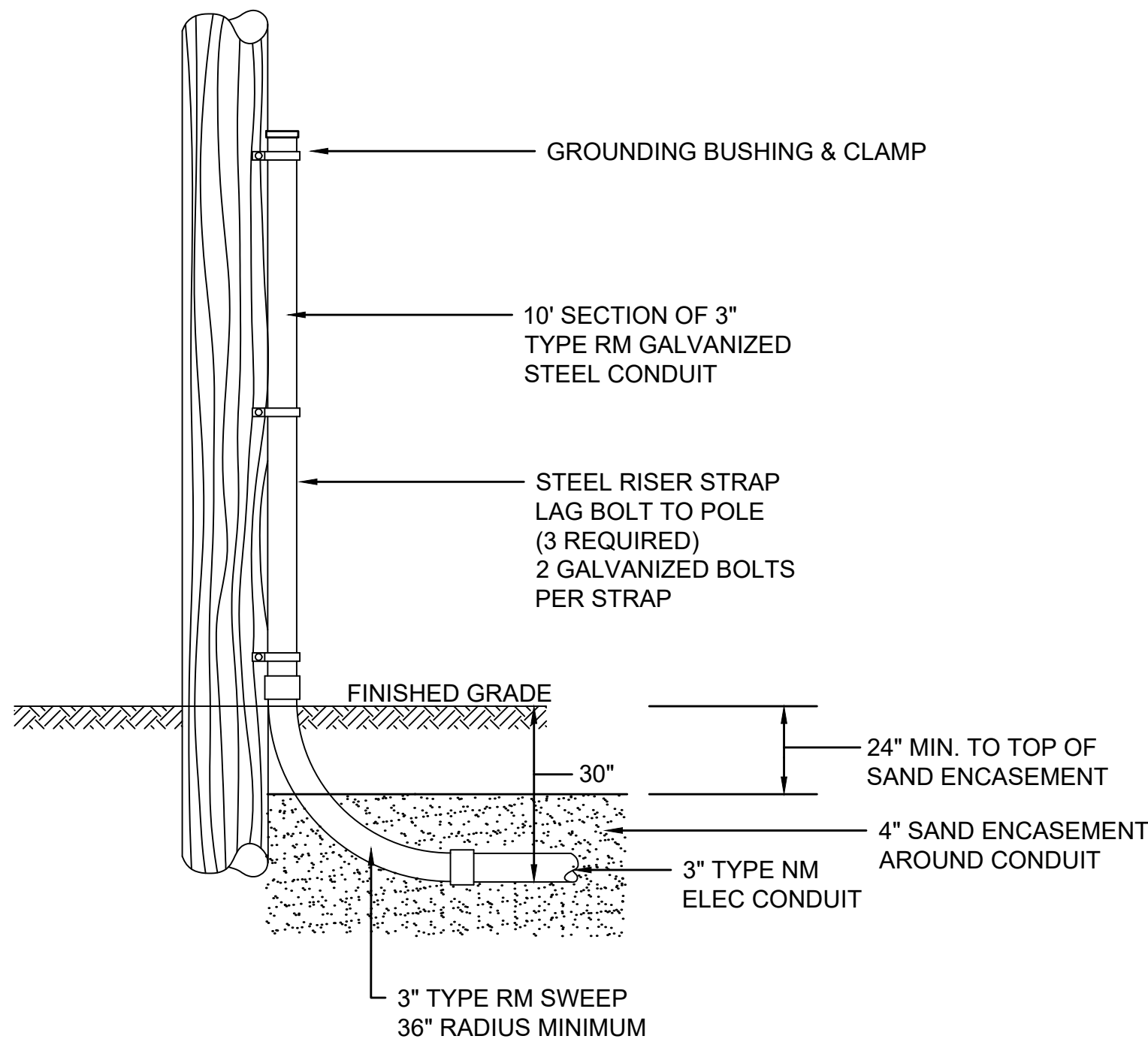
INSTALLATION DETAIL
ELECTRIC HANDHOLE
NOT TO SCALE



INSTALLATION DETAIL TYPICAL SECTION
ELECTRIC HANDHOLE FOR LIGHTING
NOT TO SCALE



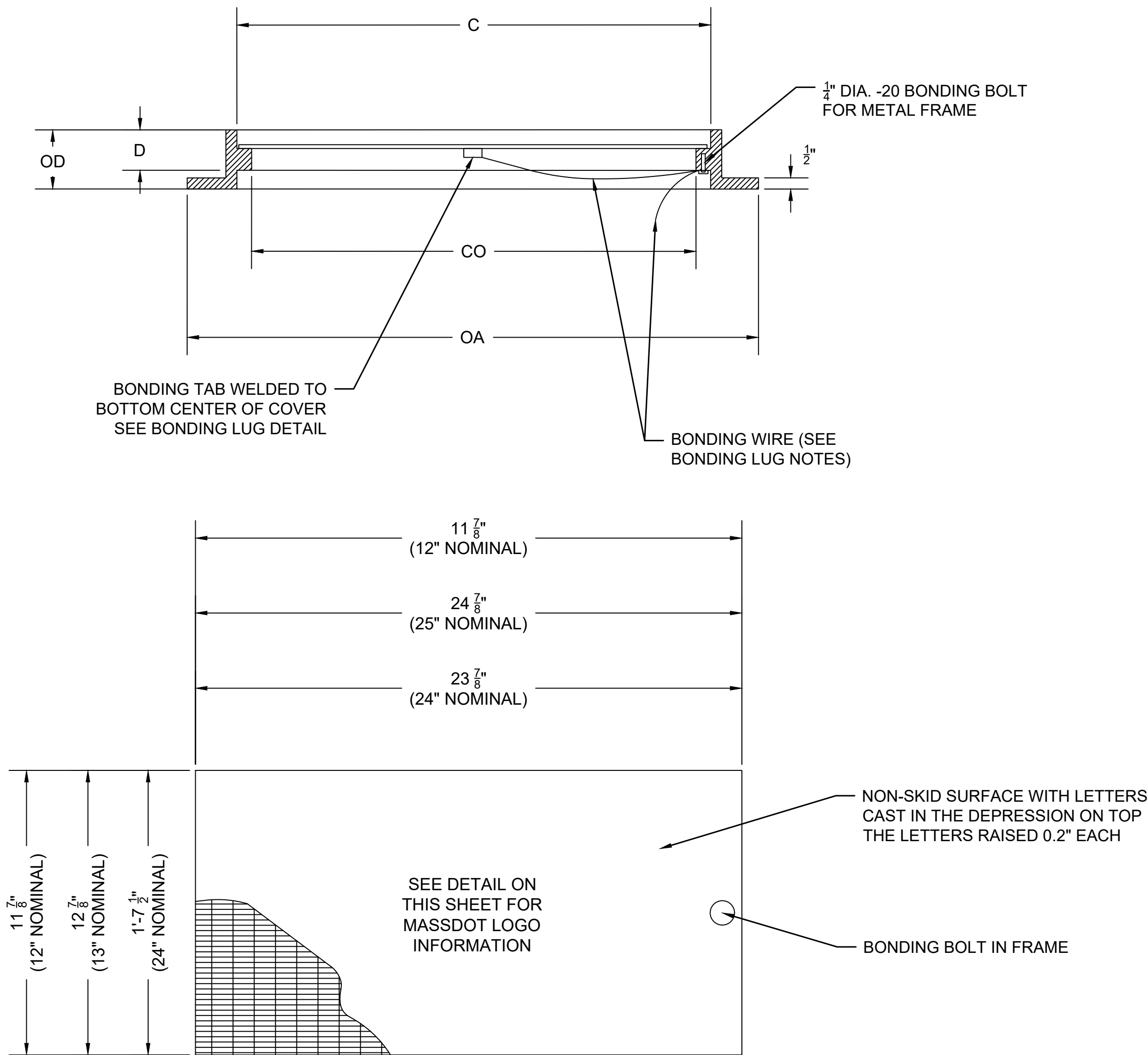
FUSE DETAIL FOR LUMINAIRE
NOT TO SCALE



TYPICAL UTILITY
RISER POLE DETAIL
NOT TO SCALE

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	24	34
PROJECT FILE NO.		607411	

LIGHTING DETAILS



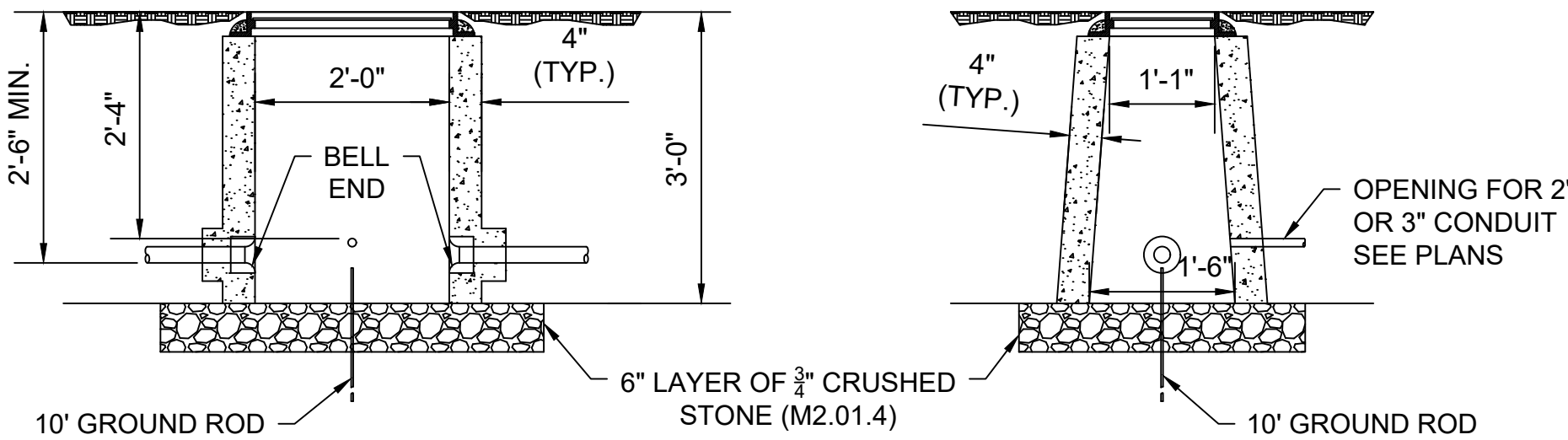
ELECTRIC HANDHOLE FRAME AND COVER DETAIL

NOT TO SCALE

SIZE OF COVER	COVER DEPTH	OVERALL DEPTH	CLEAR OPENING	OVERALL	APPROX. WEIGHT	STANDARD DRAWING
C	D	OD	CO	OA	W	W
12" x 12"	1"	3 1/2"	10 1/2" x 10 1/2"	17 1/4" x 17 1/4"	82 LB.	811.31.0
13" x 25"	1 1/2"	3"	12" x 24"	20" x 29 3/4"	159 LB.	811.22.0 811.32.0
24" x 24"	1"	3"	22" x 22"	28 1/2" x 28 1/2"	190 LB.	811.23.0

NOTE:

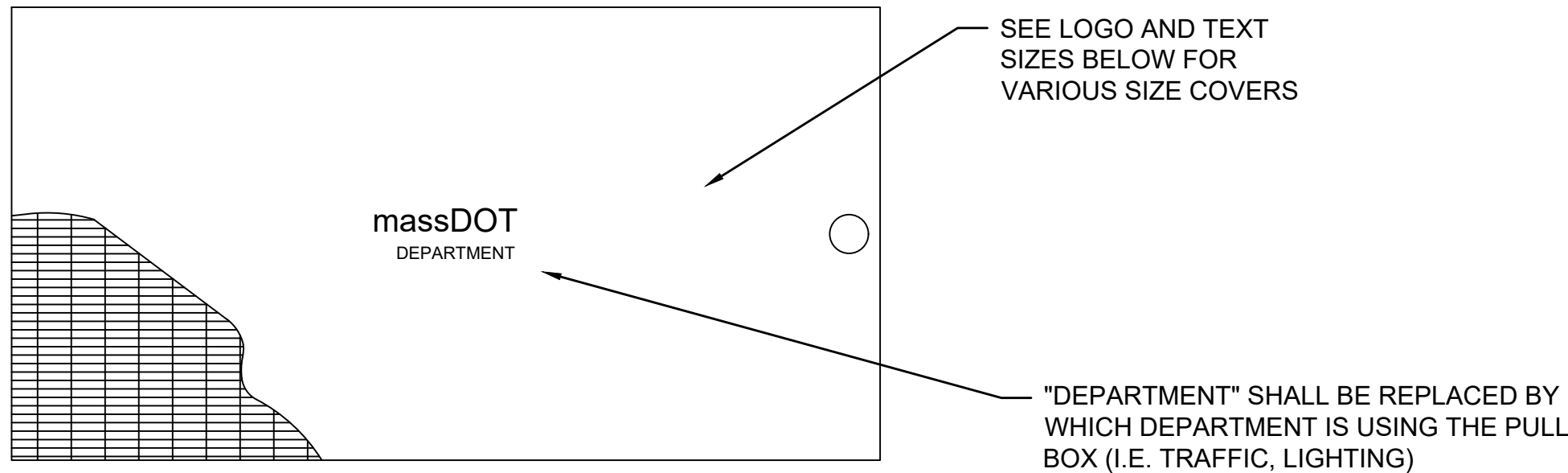
ATTACH 3 FEET OF NO. 8 BONDING WIRE FROM COVER TAB TO BONDING BOLT ON FRAME. ATTACH SUFFICIENT LENGTH OF NO. 8 BONDING WIRE FROM BONDING BOLT ON FRAME TO THE BONDING WIRE ROUTED THROUGH THE PULL BOX.



SECTIONS THROUGH ELECTRIC HANDHOLE

(SD2-022)

NOT TO SCALE



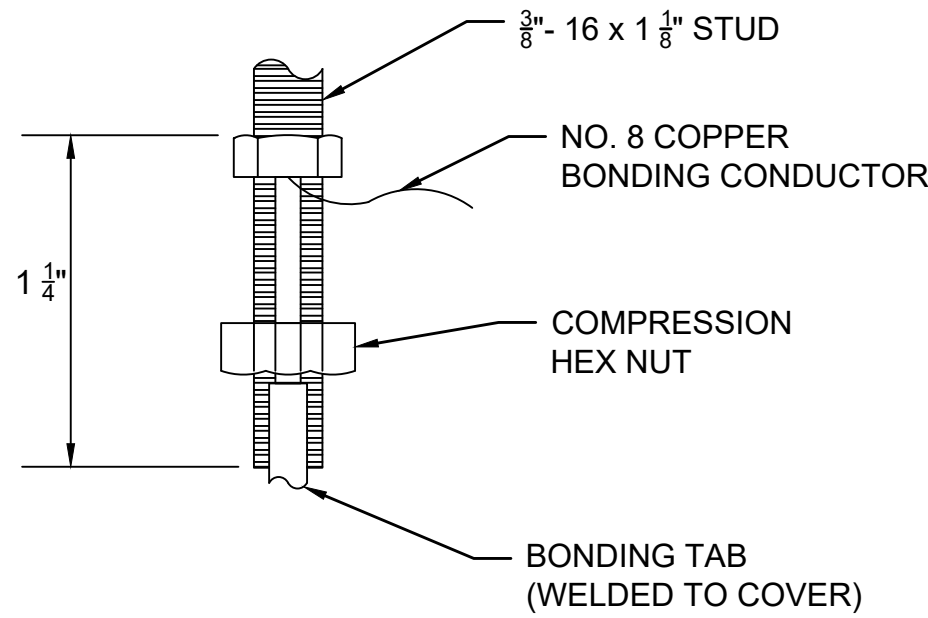
MASSDOT LOGO FOR ELECTRIC HANDHOLE

NOT TO SCALE

NOTES:

- LOGO AND TEXT SHALL BE CENTERED WITHIN THE COVER.
- LOGO AND TEXT SHALL BE RAISED 0.2 INCHES FROM THE COVER SURFACE.
- LOGO AND TEXT SHALL BE ITALICIZED AND SHALL UTILIZE THE "ERAS DEMI" STYLE FONT.

SIZE OF COVER	MASSDOT LOGO	DEPARTMENT TEXT SIZE	STANDARD DRAWING
12" x 12"	9" WIDE x 1.3" HIGH	TRAFFIC: 3" WIDE x 0.5" HIGH HIGH LIGHTING: 3.5" WIDE x 0.5" HIGH	811.31.1 811.31.2 811.32.1 811.32.2
12" x 8"	6" WIDE x 0.85" HIGH	TRAFFIC: 2" WIDE x 0.35" HIGH HIGH LIGHTING: 2.25" WIDE x 0.35" HIGH	
13" x 24"	13.25" WIDE x 2" HIGH	TRAFFIC: 3" WIDE x 0.5" HIGH HIGH LIGHTING: 3.5" WIDE x 0.5" HIGH	
CIRCULAR (24", 26", OR 27.5" DIAMETER)	13.25" WIDE x 2" HIGH	TRAFFIC: 3" WIDE x 0.5" HIGH HIGH LIGHTING: 3.5" WIDE x 0.5" HIGH	



BONDING LUG

NOT TO SCALE

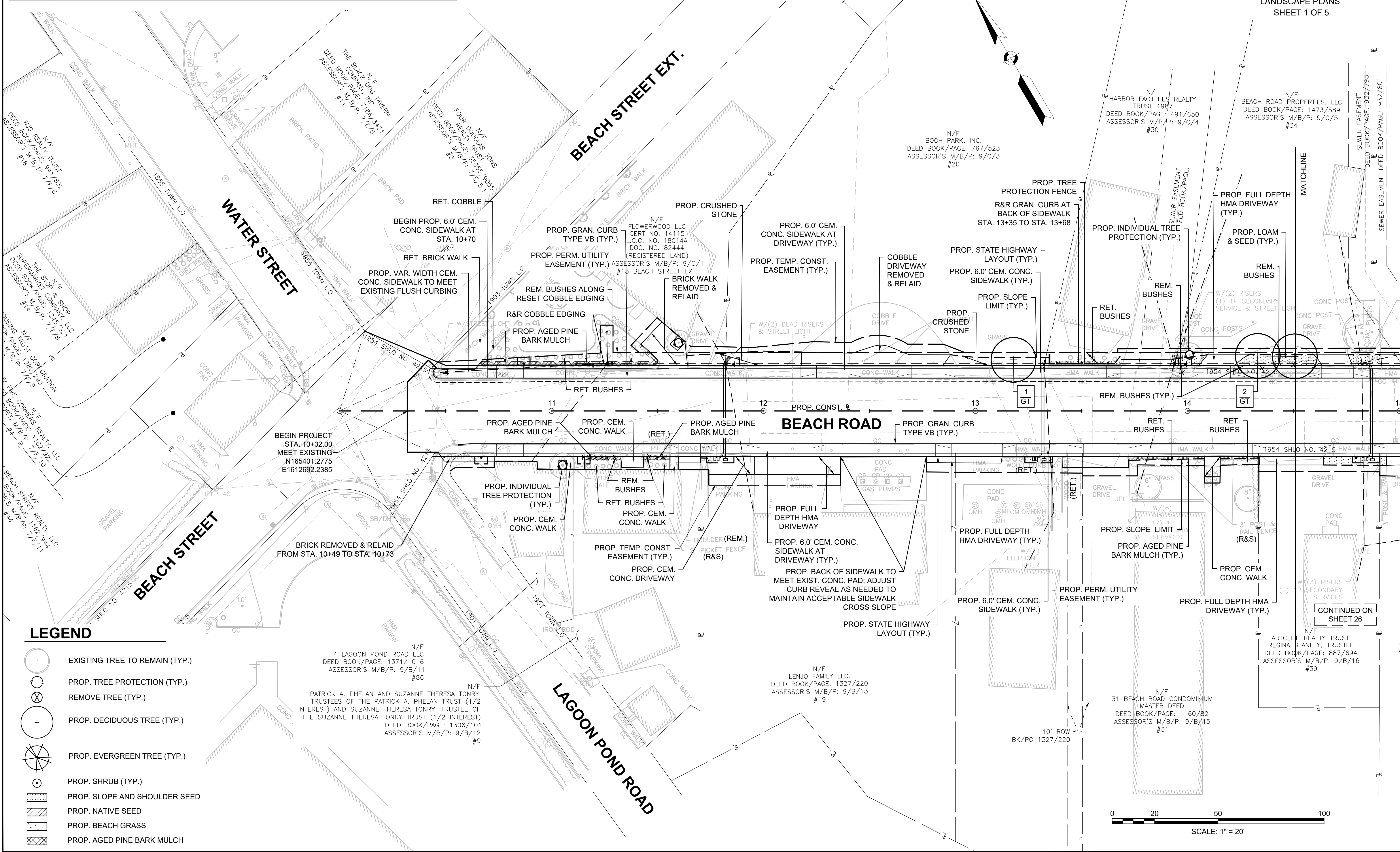
NOTES:

- BONDING POST CONNECTOR SHALL BE LONG STUD TYPE WHICH WILL ACCOMMODATE A DOUBLE CONDUCTOR INSTALLATION.
- ATTACH 3 FOOT LENGTH OF NO. 8 COPPER BONDING CONDUCTOR FROM BONDING POST CONNECTOR INSTALLED ON COVER TO BONDING POST CONNECTOR INSTALLED ON FRAME.
- ATTACH FREE END OF BONDING CONDUCTOR ROUTED THROUGH CONDUIT SYSTEM TO BONDING POST CONNECTOR INSTALLED IN THE FRAME.
- LUG SHALL BE EITHER COPPER OR BRASS.

PLANT LIST					
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
GT	3	GLEDTISIA TRIACANTHOS "INERMIS"	THORNLESS HONEYLOCUST "IMPERIAL"	2"-2.5" CAL.	B&B

TISBURY BEACH ROAD			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	25	34
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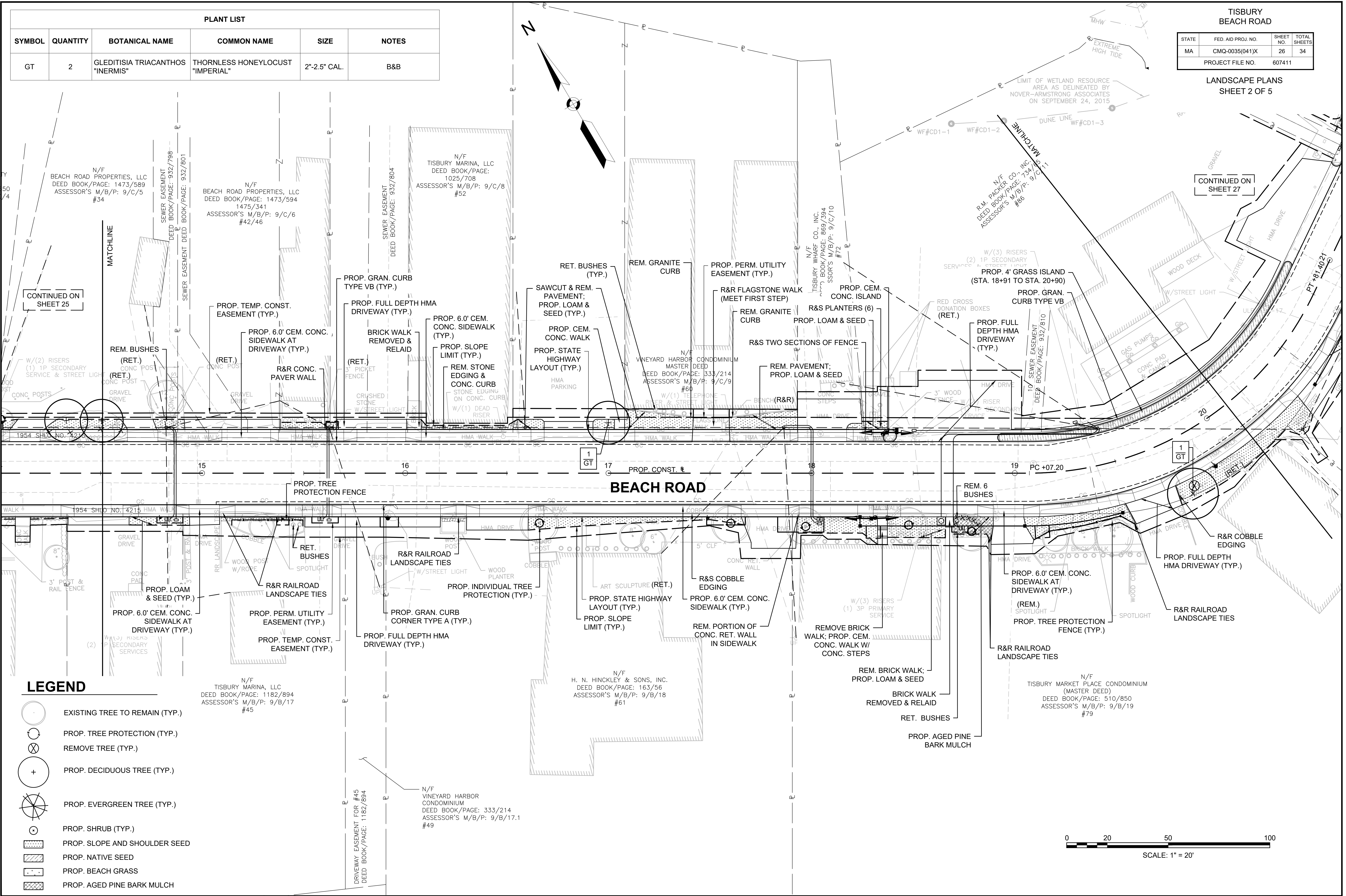
LANDSCAPE PLANS
SHEET 1 OF 5



PLANT LIST					
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
GT	2	GLEDTISIA TRIACANTHOS "INERMIS"	THORNLESS HONEYLOCUST "IMPERIAL"	2"-2.5" CAL.	B&B

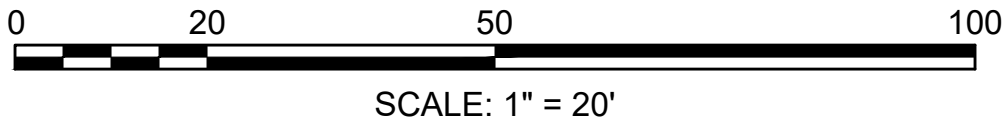
TISBURY BEACH ROAD			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	26	34
PROJECT FILE NO.		607411	

LANDSCAPE PLANS
SHEET 2 OF 5



LEGEND

- EXISTING TREE TO REMAIN (TYP.)
- PROP. TREE PROTECTION (TYP.)
- REMOVE TREE (TYP.)
- PROP. DECIDUOUS TREE (TYP.)
- PROP. EVERGREEN TREE (TYP.)
- PROP. SHRUB (TYP.)
- PROP. SLOPE AND SHOULDER SEED
- PROP. NATIVE SEED
- PROP. BEACH GRASS
- PROP. AGED PINE BARK MULCH



TISBURY BEACH ROAD			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	27	34
PROJECT FILE NO.		607411	

LANDSCAPE PLANS
SHEET 3 OF 5

VINEYARD HAVEN HARBOR

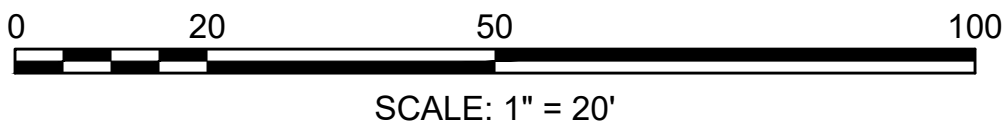
BEACH ROAD

LAGOON POND

LEGEND

- EXISTING TREE TO REMAIN (TYP.)
- PROP. TREE PROTECTION (TYP.)
- REMOVE TREE (TYP.)
- PROP. DECIDUOUS TREE (TYP.)
- PROP. EVERGREEN TREE (TYP.)
- PROP. SHRUB (TYP.)
- PROP. SLOPE AND SHOULDER SEED
- PROP. NATIVE SEED
- PROP. BEACH GRASS
- PROP. AGED PINE BARK MULCH

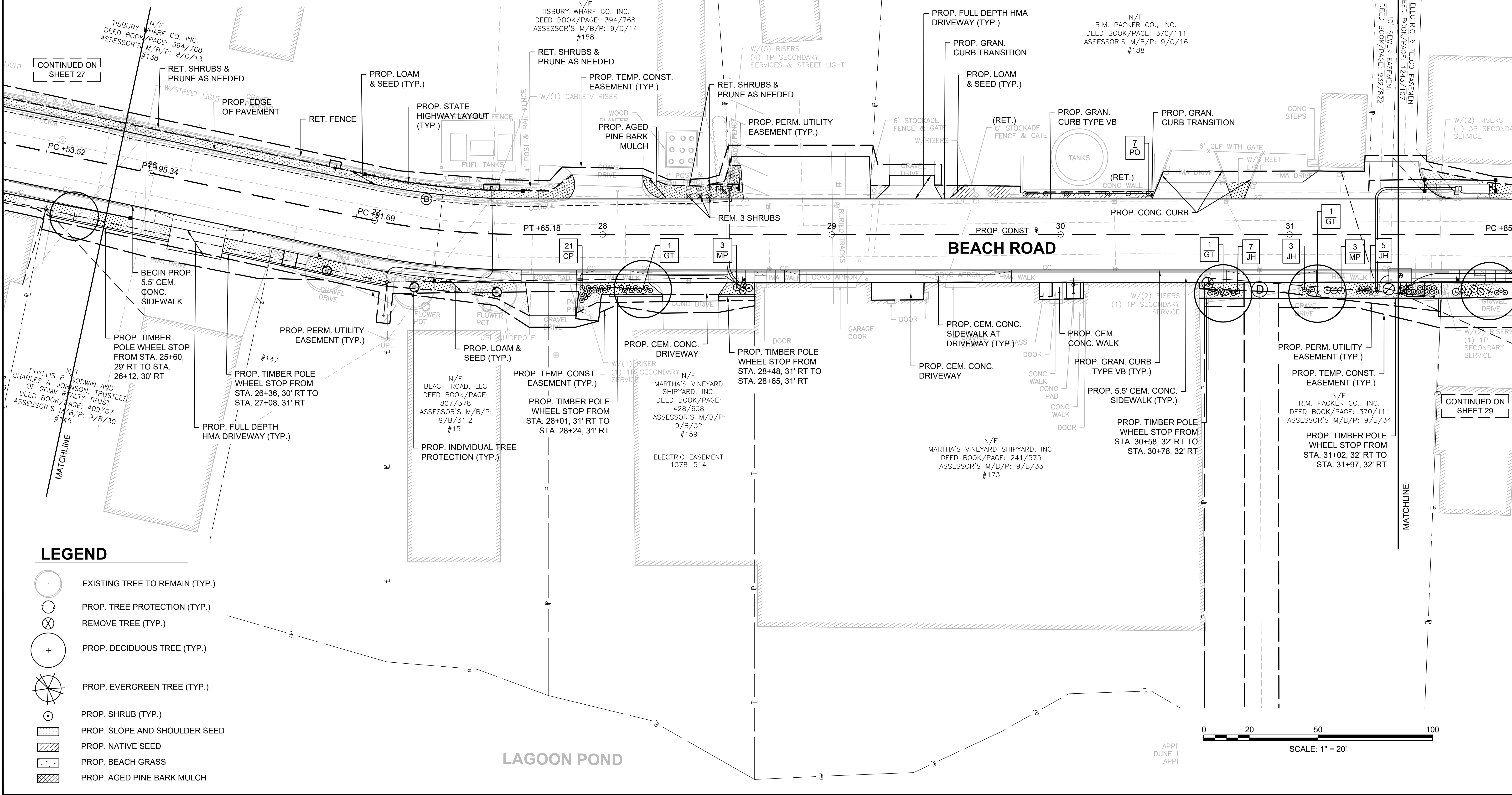
PLANT LIST					
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
AB	3,690	AMMOPHILIA BREVIGULATA	AMERICAN BEACHGRASS	CULMS	2 PER HOLE, 12" O.C. STAGGERED
GT	1	GLEDITISIA TRIACANTHOS "INERMIS"	THORNLESS HONEYLOCUST "IMPERIAL"	2"-2.5" CAL.	B&B
JH	16	JUNIPERUS HORIZONTALIS "BAR HARBOR"	CREeping JUNIPER	12"-15" SPRD.	2' O.C. STAGGERED
MP	18	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	18"-24" HT.	3' O.C. STAGGERED
PM	10	PRUNUS MARITIMA	BEACH PLUM	2'-3' HT.	3' O.C. STAGGERED

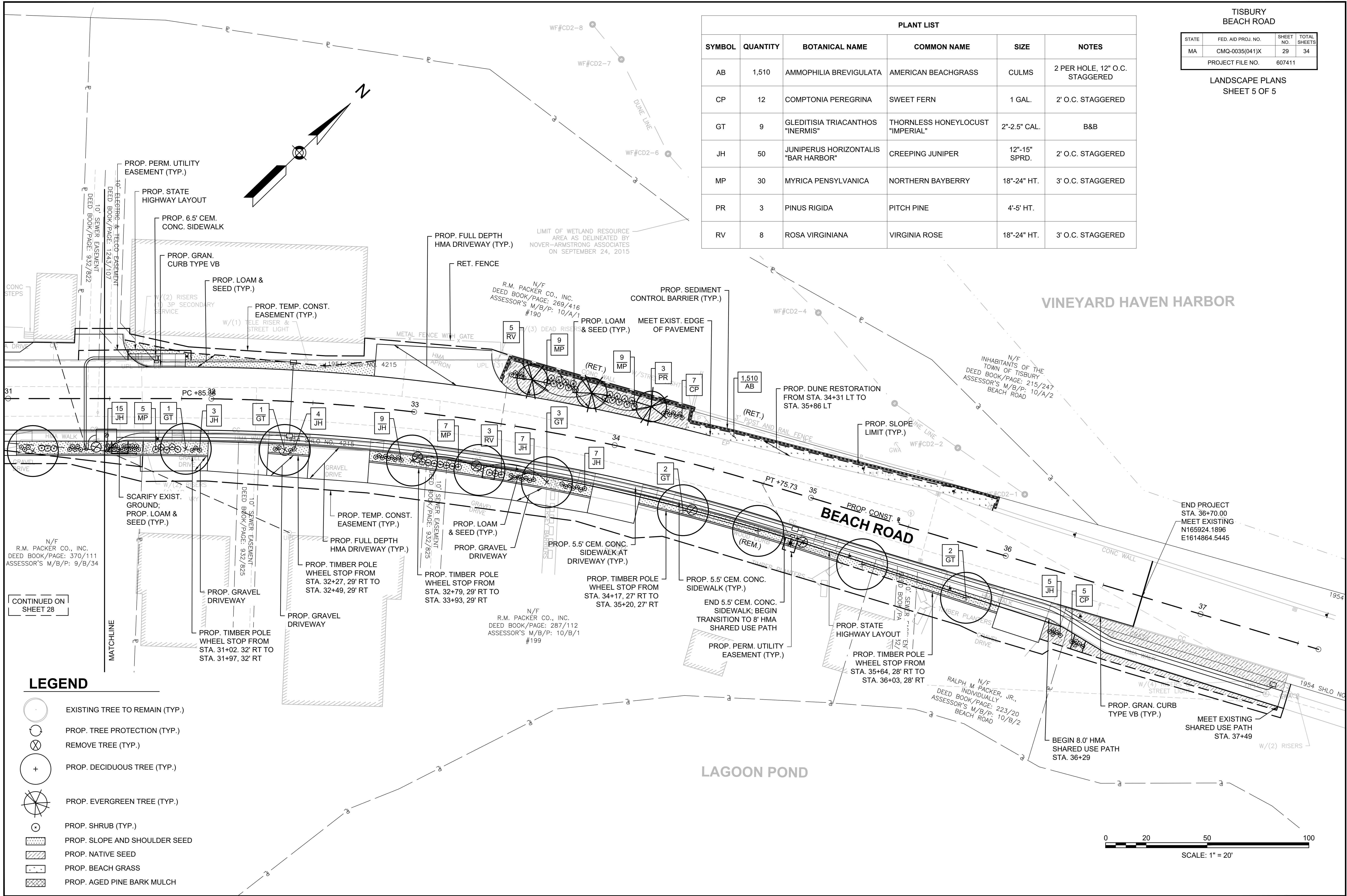


PLANT LIST					
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
CP	21	COMPTONIA PEREGRINA	SWEET FERN	1 GAL.	2' O.C. STAGGERED
GT	3	GLEDTISIA TRIACANTHOS "INERMIS"	THORNLESS HONEYLOCUST "IMPERIAL"	2"-2.5" CAL.	B&B
JH	15	JUNIPERUS HORIZONTALIS "BAR HARBOR"	CREeping JUNIPER	12"-15" SPRD.	2' O.C. STAGGERED
MP	6	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	18"-24" HT.	3' O.C. STAGGERED
PQ	7	PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER	1 GAL.	BASE OF WALL

TISBURY BEACH ROAD			
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MA	CMQ-0035(041)X	28	34
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LANDSCAPE PLANS
SHEET 4 OF 5



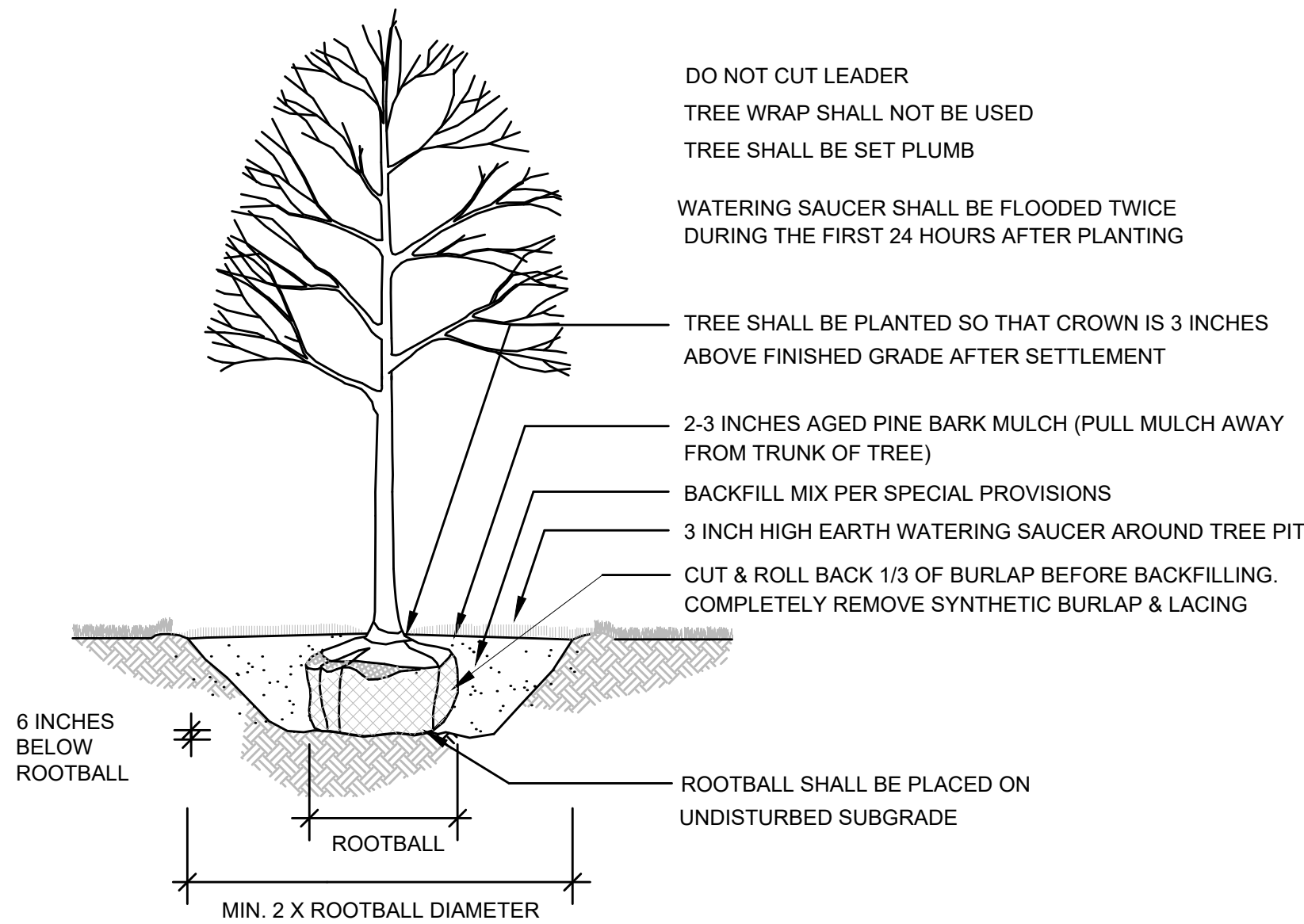


PLANT LIST					
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
AB	1,510	AMMOPHILA BREVIGULATA	AMERICAN BEACHGRASS	CULMS	2 PER HOLE, 12" O.C. STAGGERED
CP	12	COMPTONIA PEREGRINA	SWEET FERN	1 GAL.	2' O.C. STAGGERED
GT	9	GLEDITISIA TRIACANTHOS "INERMIS"	THORNLESS HONEYLOCUST "IMPERIAL"	2"-2.5" CAL.	B&B
JH	50	JUNIPERUS HORIZONTALIS "BAR HARBOR"	CREeping JUNIPER	12"-15" SPRD.	2' O.C. STAGGERED
MP	30	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	18"-24" HT.	3' O.C. STAGGERED
PR	3	PINUS RIGIDA	PITCH PINE	4'-5' HT.	
RV	8	ROSA VIRGINIANA	VIRGINIA ROSE	18"-24" HT.	3' O.C. STAGGERED

TISBURY BEACH ROAD			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	29	34
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LANDSCAPE PLANS
SHEET 5 OF 5

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	30	34
PROJECT FILE NO.		607411	



DECIDUOUS TREE PLANTING
NOT TO SCALE

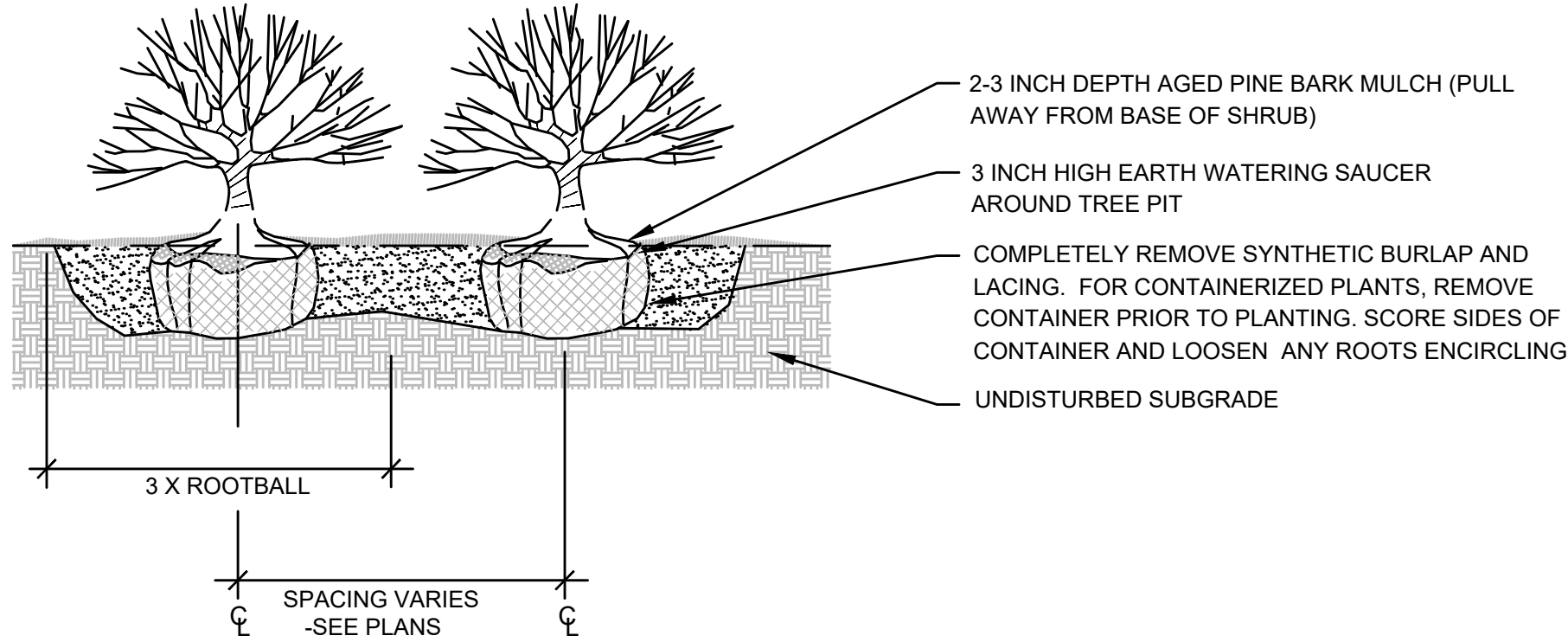
WATER BY FLOODING TWICE IN FIRST TWO HOURS AFTER PLANTING. WATER & MAINTAIN AS PER STANDARD SPECIFICATIONS

SHRUB SHALL BE PLANTED SO THAT CROWN IS 2 INCHES ABOVE FINISHED GRADE AFTER SETTLEMENT

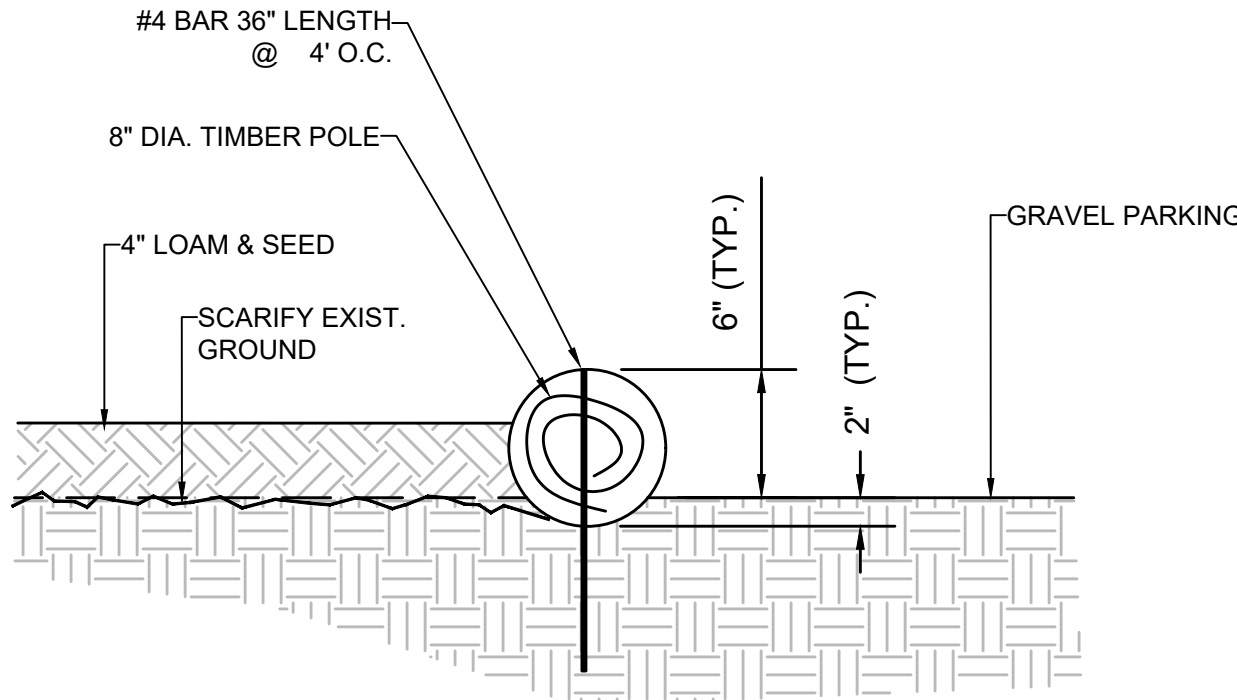
BACKFILL MIX PER SPECIAL PROVISIONS

LOOSE OR CRACKED ROOTBALLS WILL NOT BE ACCEPTED FOR PLANTING

ADJUST SHRUBS SO THAT BOTTOM OF FOLIAGE IS EVENLY SPACED ABOVE THE GROUND



SHRUB PLANTING
NOT TO SCALE



TIMBER POLE WHEEL STOP
NOT TO SCALE

PLANT LIST

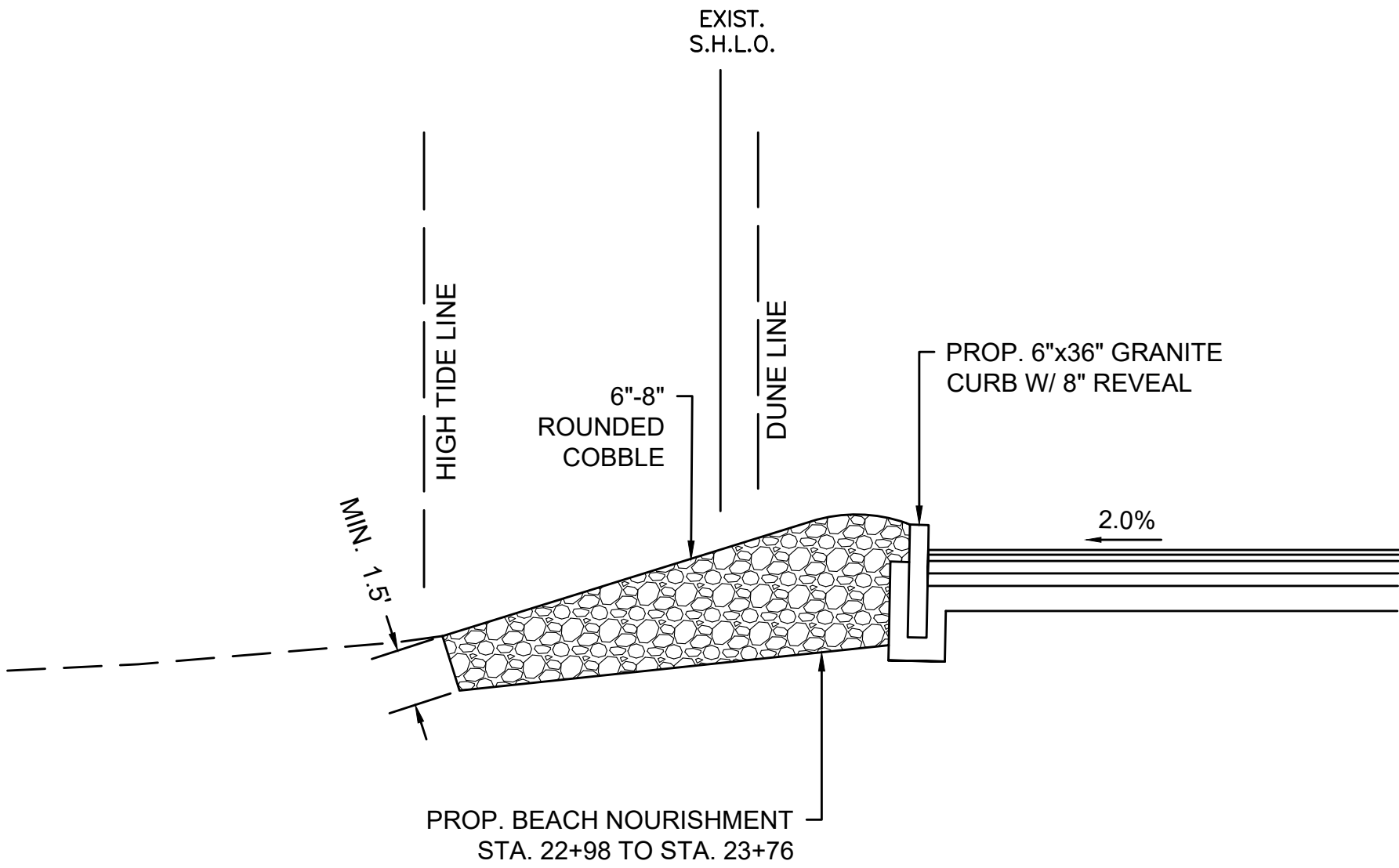
QTY.	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT	SHEET 1	SHEET 2	SHEET 3	SHEET 4	SHEET 5
TREES										
18	GT	GLEDITISIA TRIACANTHOS "INERMIS"	THORNLESS HONEYLOCUST "IMPERIAL"	2"-2.5" CAL.		3	2	1	3	9
3	PR	PINUS RIGIDA	PITCH PINE	4'-5' HT.		-	-	-	-	3
SHRUBS										
33	CP	COMPTONIA PEREGRINA	SWEET FERN	1 GAL.	2' O.C. STAGGERED	-	-	-	21	12
81	JH	JUNIPERUS HORIZONTALIS "BAR HARBOR"	CREEPING JUNIPER	12"-15" SPRD.	2' O.C. STAGGERED	-	-	16	15	50
54	MP	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	18"-24" HT.	3' O.C. STAGGERED	-	-	18	6	30
10	PM	PRUNUS MARITIMA	BEACH PLUM	18"-24" HT.	3' O.C. STAGGERED	-	-	10	-	-
8	RV	ROSA VIRGINIANA	VIRGINIA ROSE	18"-24" HT.	3' O.C. STAGGERED	-	-	-	-	8
GROUNDCOVERS & PERENNIALS										
7	PQ	PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER	1 GAL.	BASE OF WALL	-	-	-	7	-
COASTAL BANK PLUGS										
5,200	AB	AMMOPHILIA BREVIGULATA	AMERICAN BEACHGRASS	CULMS	2 PER HOLE, 12" O.C. STAGGERED	-	-	3,690	-	1,510

SEEDING SCHEDULE

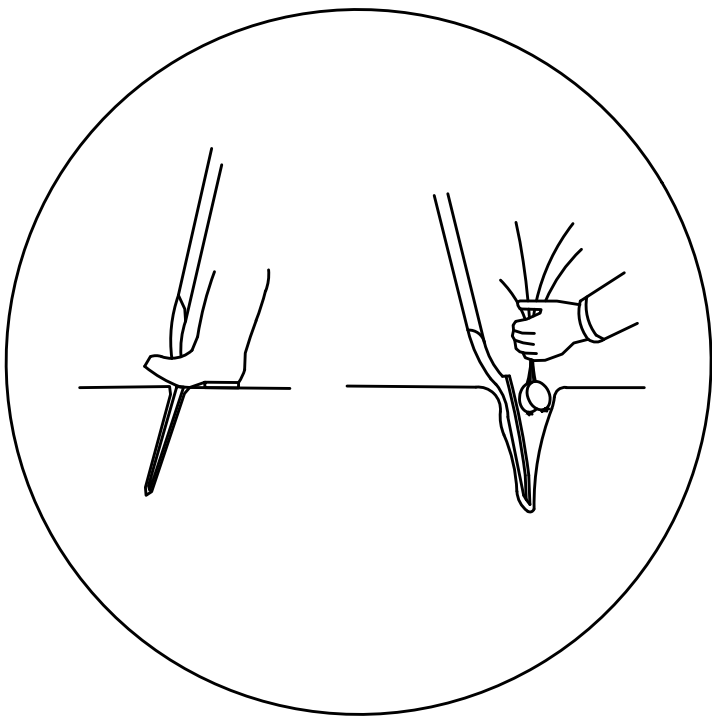
LEGEND	TYPE	SUB TYPE	ITEM	NOTES
STANDARD MIXES				
	LAWN AREA SEED MIX	LAWNS OR SLOPES AND SHOULDERS - M6.03.0	765.	FOR USE IN YARDS AND SHOULDERS FREQUENTLY MOWN. SEED OVER 4" LOAM.
NATIVE - SUN/PART SHADE UPLAND				
	NATIVE SEED MIX	ROADSIDE - FULL SUN	765.411	FOR ROADSIDE USE WHERE NO MOWING / INFREQUENT MOWING EXPECTED. SEED OVER 4" LOAM.

TISBURY BEACH ROAD			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	31	34
PROJECT FILE NO.		607411	

LANDSCAPE DETAILS
SHEET 2 OF 2

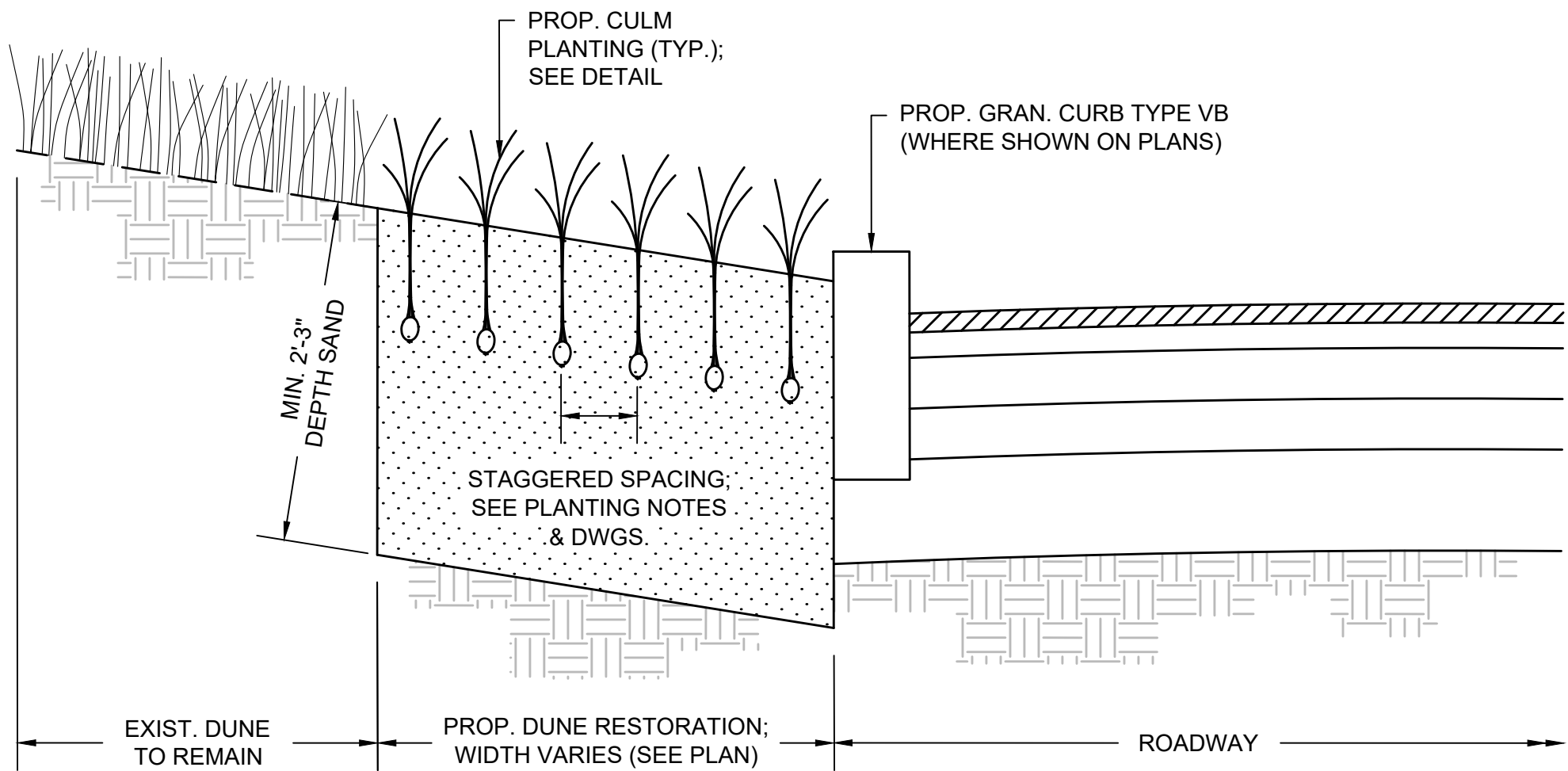


6"-8" ROUNDED COBBLE FOR BEACH NOURISHMENT
NOT TO SCALE



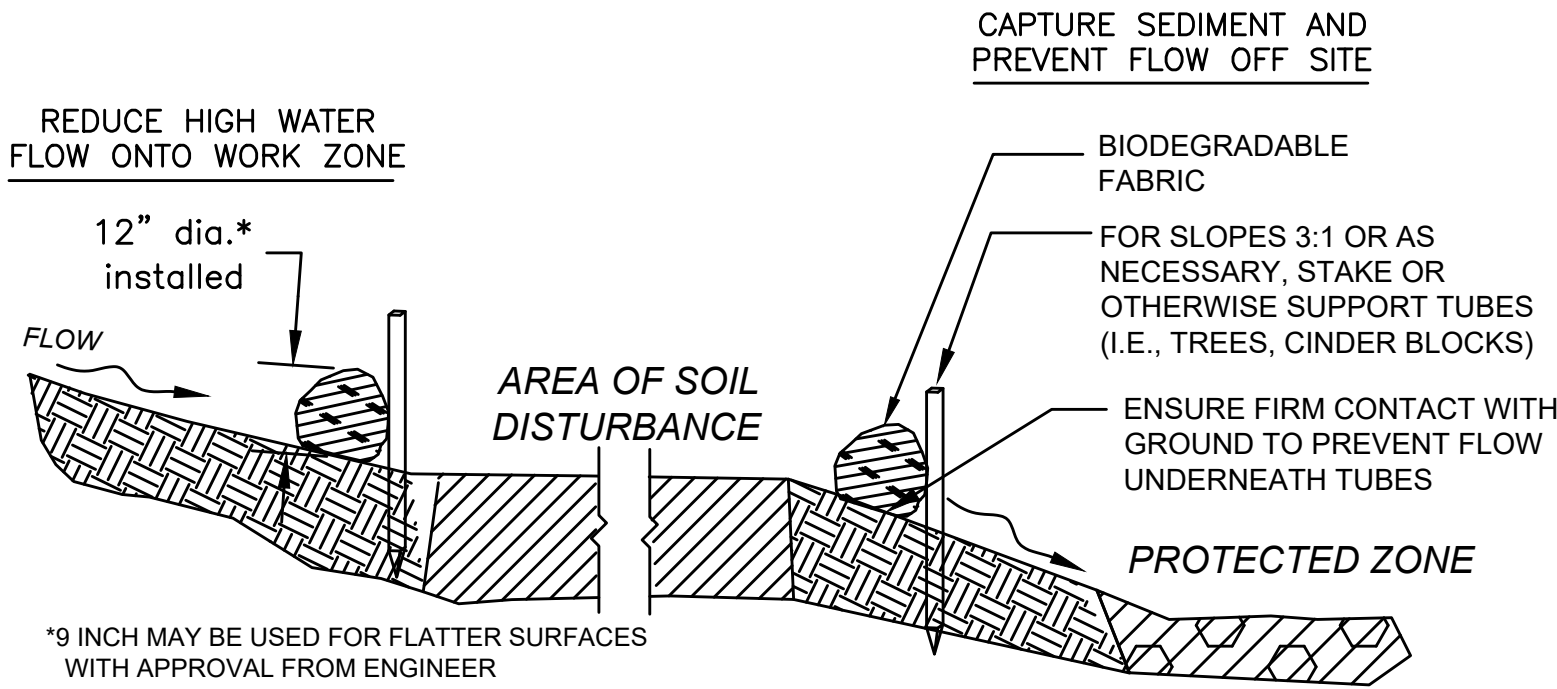
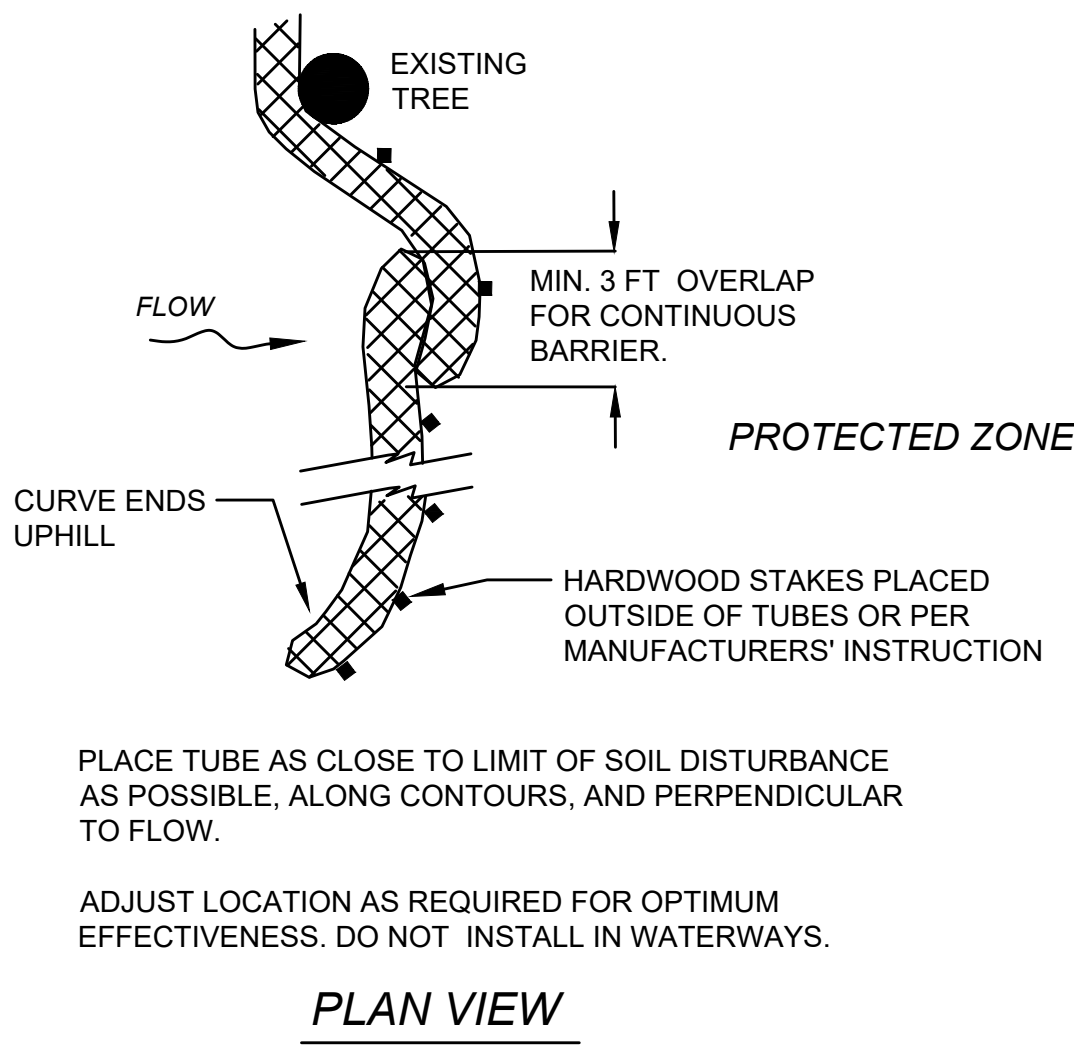
CULM PLANTING DETAIL

- PLANTING NOTES:**
- CULMS SHALL BE PLANTED WITH EITHER A "POGO" STYLE PLANTER OR A STRAIGHT BLADE SHOVEL.
 - HOLES SHALL BE 8"-10" DEEP TO ALLOW THE LIVING NODE TO REACH DEEPLY INTO THE SAND.
 - TWO CULMS SHALL BE PLACED IN EACH HOLE.
 - SLIDE THE PLANT DOWN THE BLADE WITH THE BLADE IN THE GROUND. PUSH THE RHIZOMES DOWN INTO THE HOLE AS SHOVEL IS LIFTED.
 - HEEL-IN EACH BUNDLE USING THE FOOT OR PALM OF HAND. CHECK FOR FIRMNESS. PLANTS SHOULD WITHSTAND A GENTLE PULL.
 - APPLY FERTILIZATION AS PER SPECIFICATION.

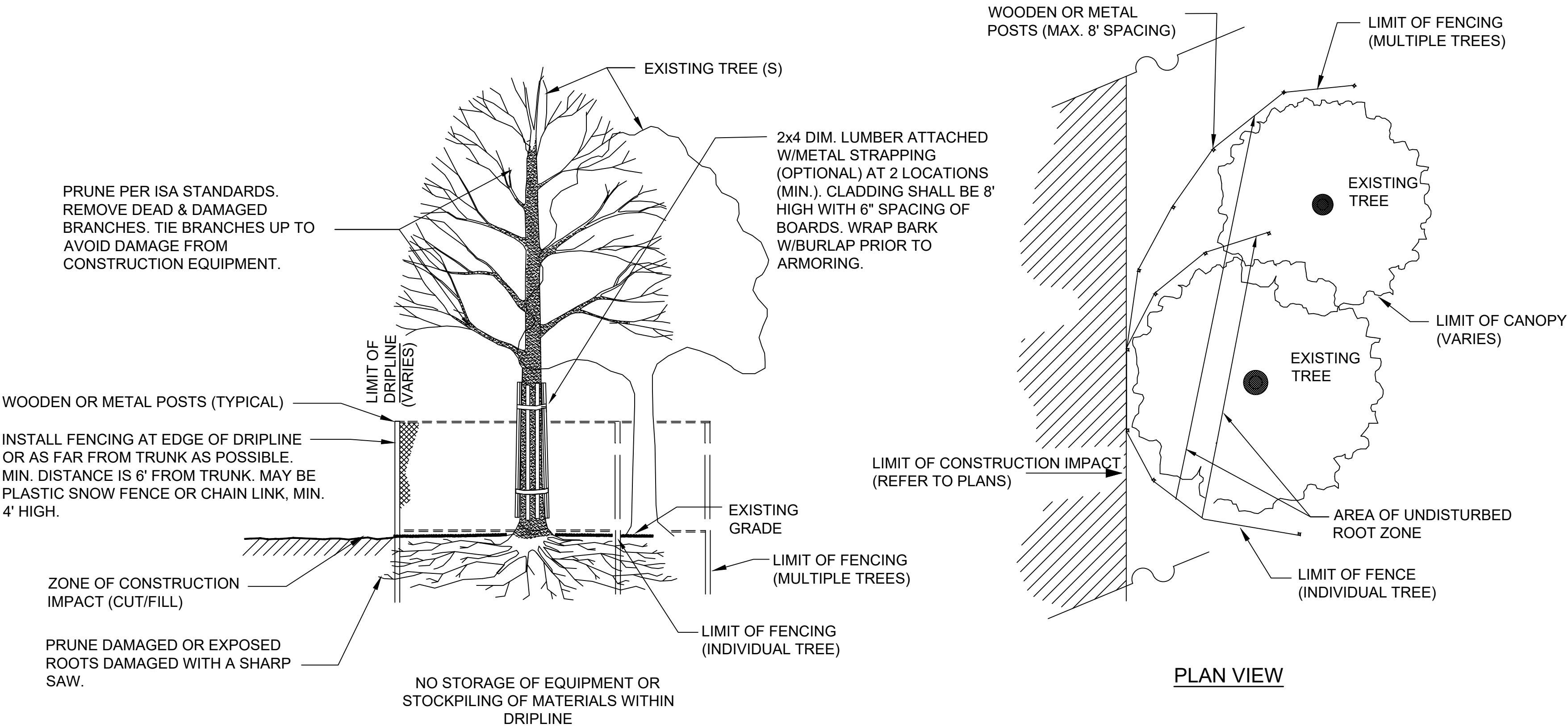


DUNE RESTORATION SECTION

DUNE RESTORATION & CULM PLANTING
NOT TO SCALE



SEDIMENT CONTROL BARRIER - COMPOST FILTER TUBE
NOT TO SCALE



TREE PROTECTION - EXISTING TREES
NOT TO SCALE

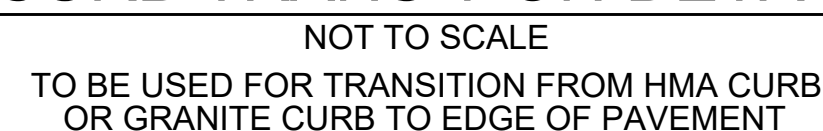
1. SCHEDULE 80 ELECTRICAL CONDUIT TYPE NM-PLASTIC (UL), WITH PULL ROPE, UNLESS OTHERWISE APPROVED BY MASSDOT.
2. CONTROLLED DENSITY FILL SHALL MEET THE REQUIREMENTS OF SUBSECTION M4.08.0.
3. WARNING TAPE COLOR SHALL BE PER APWA STANDARDS.
4. HMA SURFACE, INTERMEDIATE AND BASE COURSE SHALL BE PAID FOR UNDER ITEM 451.
5. EXCAVATABLE CONTROLLED DENSITY FILL ONLY REQUIRED IN CONDUIT TRENCHES LOCATED WITHIN AREAS OF EXIST. ROADWAY PAVEMENT THAT DO NOT REQUIRE FULL DEPTH PAVEMENT CONSTRUCTION.



NOT TO SCALE



1. BASED ON ACTUAL FIELD CONDITIONS; THE CONTRACTOR SHALL DETERMINE WHICH STYLE OF TOP SECTION SHOULD BE USED.
2. CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).



1. ALL CONCRETE DIMENSIONS SHOWN ARE MINIMUM EXCEPT RISERS AND TREADS WHICH HAVE 1/4" TOLERANCE.
2. FOR REINFORCING STEEL AND OTHER DETAILS SEE MASSDOT CONSTRUCTION DETAILS E 304.1.0 AND E 304.2.0 FOR DESIGN A.

[illegible]

NOT TO SCALE



1. ALL WATER GATES & HYDRANTS TO OPEN LEFT
2. ALL MECHANICAL RESTRAINT DEVICES, STONE, GRAVEL, ETC. NECESSARY TO INSTALL OR REMOVE AND RESET HYDRANTS ARE INCIDENTAL TO ITEM 376.2.

NOT TO SCALE

CONSTRUCTION DETAILS

TISBURY
BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	33	34
PROJECT FILE NO.		607411	

PEDESTRIAN CURB RAMP/
DRIVEWAY DETAILS

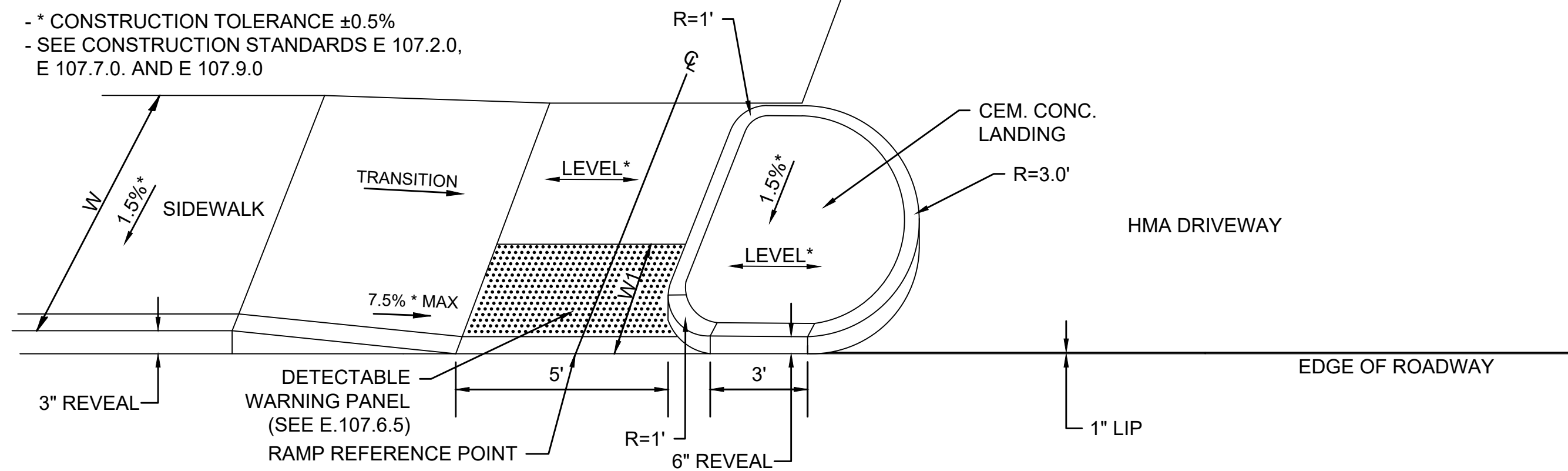
ROADWAY PROFILE GRADE	* HIGH SIDE TRANSITION LENGTH
%	ENGLISH UNITS
=0%	6'-6"
>0% TO 1%	7'-8"
>1% TO 2%	9'-0"
>2% TO 3%	11'-0"
>3% TO 4%	14'-0"
>4% TO 5%	15'-0" Max

NOTE:

- * BASED ON A DESIGN SLOPE OF 7.5% AND A REVEAL OF 6".
- SEE CONSTRUCTION STANDARD E 107.9.0

NOTES:

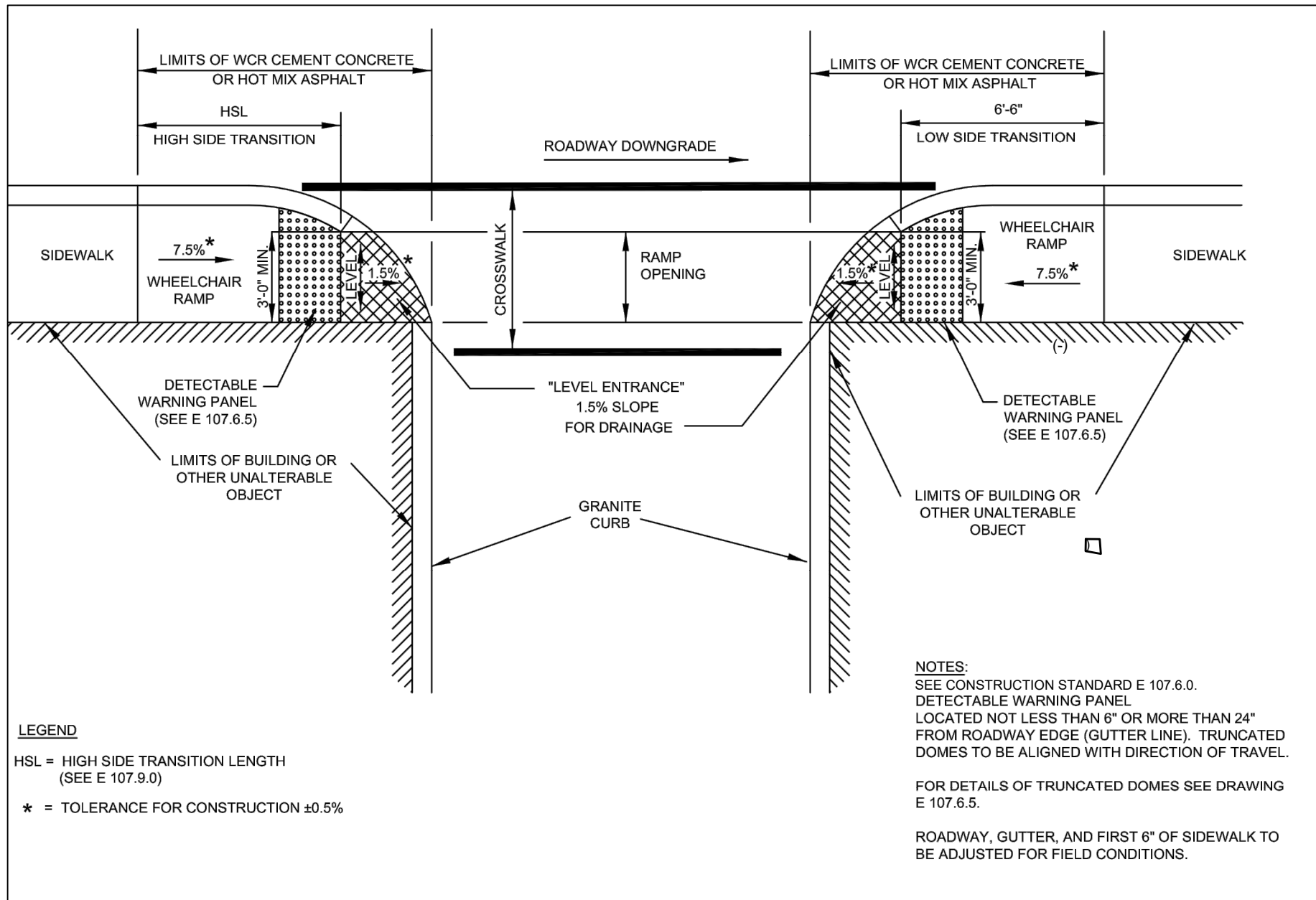
- * CONSTRUCTION TOLERANCE $\pm 0.5\%$
- SEE CONSTRUCTION STANDARDS E 107.2.0, E 107.7.0. AND E 107.9.0



PCR #	RAMP REFERENCE POINT			LENGTH OF PRIMARY RAMP (W1)	WIDTH OF SIDEWALK	WIDTH OF RAMP MIN. 5'-0"	DEPTH OF LEVEL LANDING MIN. 4'-0"	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	BASELINE	STATION	OFFSET						LEFT SIDE	RIGHT SIDE
5	BEACH RD	18+33	15.5' LT	2'-6"	6'-0"	5'-0"	5'-6"	-0.40%	3'-10"	N/A

NOTE: * 3" CURB REVEAL

PEDESTRIAN CURB RAMP AND DRIVEWAY
SEPARATED BY CEMENT CONCRETE ISLAND



LEGEND

HSL = HIGH SIDE TRANSITION LENGTH
(SEE E 107.9.0)

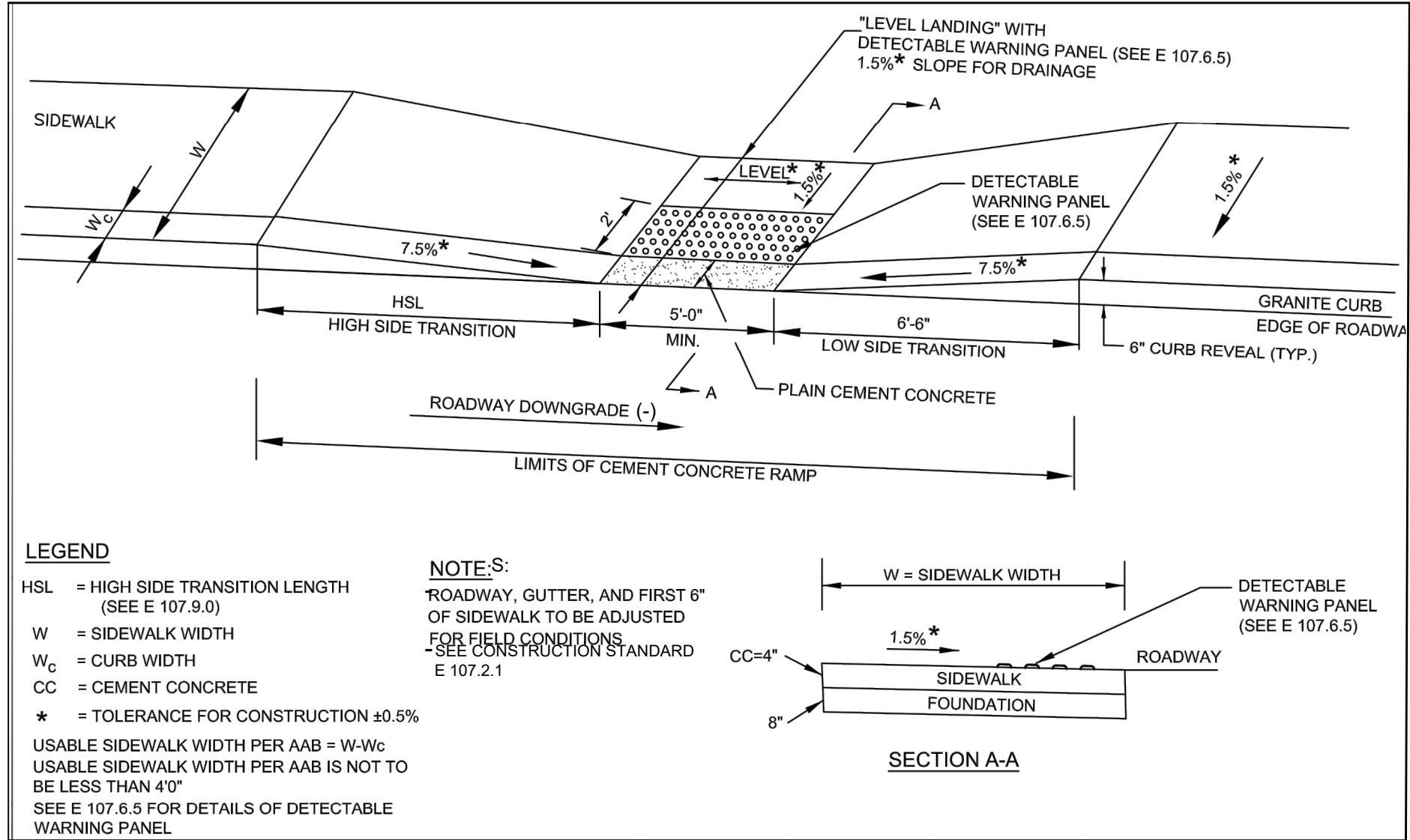
* = TOLERANCE FOR CONSTRUCTION $\pm 0.5\%$

NOTES:
SEE CONSTRUCTION STANDARD E 107.6.0.
DETECTABLE WARNING PANEL
LOCATED NOT LESS THAN 6" OR MORE THAN 24"
FROM ROADWAY EDGE (GUTTER LINE). TRUNCATED
DOMES TO BE ALIGNED WITH DIRECTION OF TRAVEL.
FOR DETAILS OF TRUNCATED DOMES SEE DRAWING
E 107.6.5.

ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO
BE ADJUSTED FOR FIELD CONDITIONS.

PCR #	RAMP REFERENCE POINT			WIDTH OF SIDEWALK	WIDTH OF OPENING	ROADWAY GUTTER SLOPE	TRANSITION LENGTH***
	BASELINE	STATION	OFFSET				
10	BEACH RD	31+62	16.50' LT	6'-6"	3'-0"	0.38%	7'-8"

PEDESTRIAN CURB RAMP FOR ONE CONTINUOUS
DIRECTION OF PEDESTRIAN TRAVEL



LEGEND

HSL = HIGH SIDE TRANSITION LENGTH
(SEE E 107.9.0)

W = SIDEWALK WIDTH

W_c = CURB WIDTH

CC = CEMENT CONCRETE

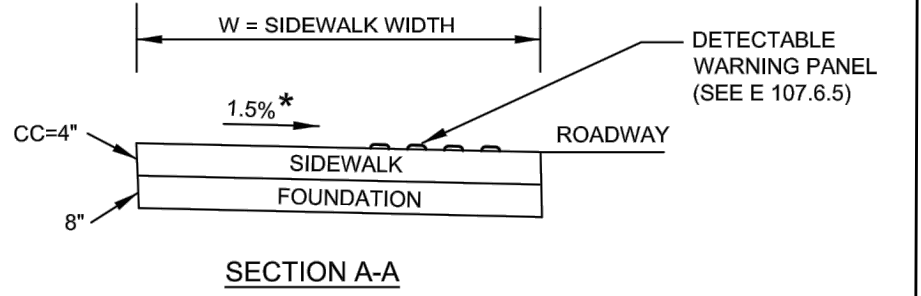
* = TOLERANCE FOR CONSTRUCTION $\pm 0.5\%$

USABLE SIDEWALK WIDTH PER AAB = W-W_c
USABLE SIDEWALK WIDTH PER AAB IS NOT TO
BE LESS THAN 4'0"

SEE E 107.6.5 FOR DETAILS OF DETECTABLE
WARNING PANEL

NOTE:S:

*ROADWAY, GUTTER, AND FIRST 6"
OF SIDEWALK TO BE ADJUSTED
FOR FIELD CONDITIONS
-SEE CONSTRUCTION STANDARD
E 107.2.1



PCR #	RAMP REFERENCE POINT			WIDTH OF SIDEWALK	WIDTH OF RAMP MIN. 5'-0"	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	BASELINE	STATION	OFFSET				LEFT SIDE	RIGHT SIDE
1	BEACH RD	10+77	15.5' LT	6'-0"	5'-0"	0.75%	4'-4"	7'-8"
2	BEACH RD	10+77	15.5' RT	6'-0"	5'-0"	-0.75%	7'-8"	6'-6"
3	BEACH RD	15+52	15.5' RT	6'-0"	5'-0"	-0.62%	5'-2"	6'-6"
4	BEACH RD	15+52	15.5' LT	6'-0"	5'-0"	0.62%	3'-3"	7'-8"
6	BEACH RD	18+33	15.5' RT	6'-0"	7'-0"	0.40%	6'-6"	7'-8"
7	BEACH RD	24+23	15.5' LT	4'-6"	5'-0"	-0.57%	7'-8"	6'-6"
8	BEACH RD	24+23	15.5' RT	6'-0"	6'-0"	0.57%	4'-4"	6'-6"
9	BEACH RD	28+69	15.5' RT	5'-6"	5'-0"	0.40%	4'-0"	4'-0"
11	BEACH RD	31+85	15.5' LT	6'-6"	5'-0"	0.40%	6'-6"	N/A
12	BEACH RD	31+83	15.5' RT	5'-6"	5'-0"	-0.40%	4'-3"	6'-6"
13	BEACH RD	35+10	15.5' RT	6'-0"	5'-0"	-0.40%	6'-6"	6'-6"

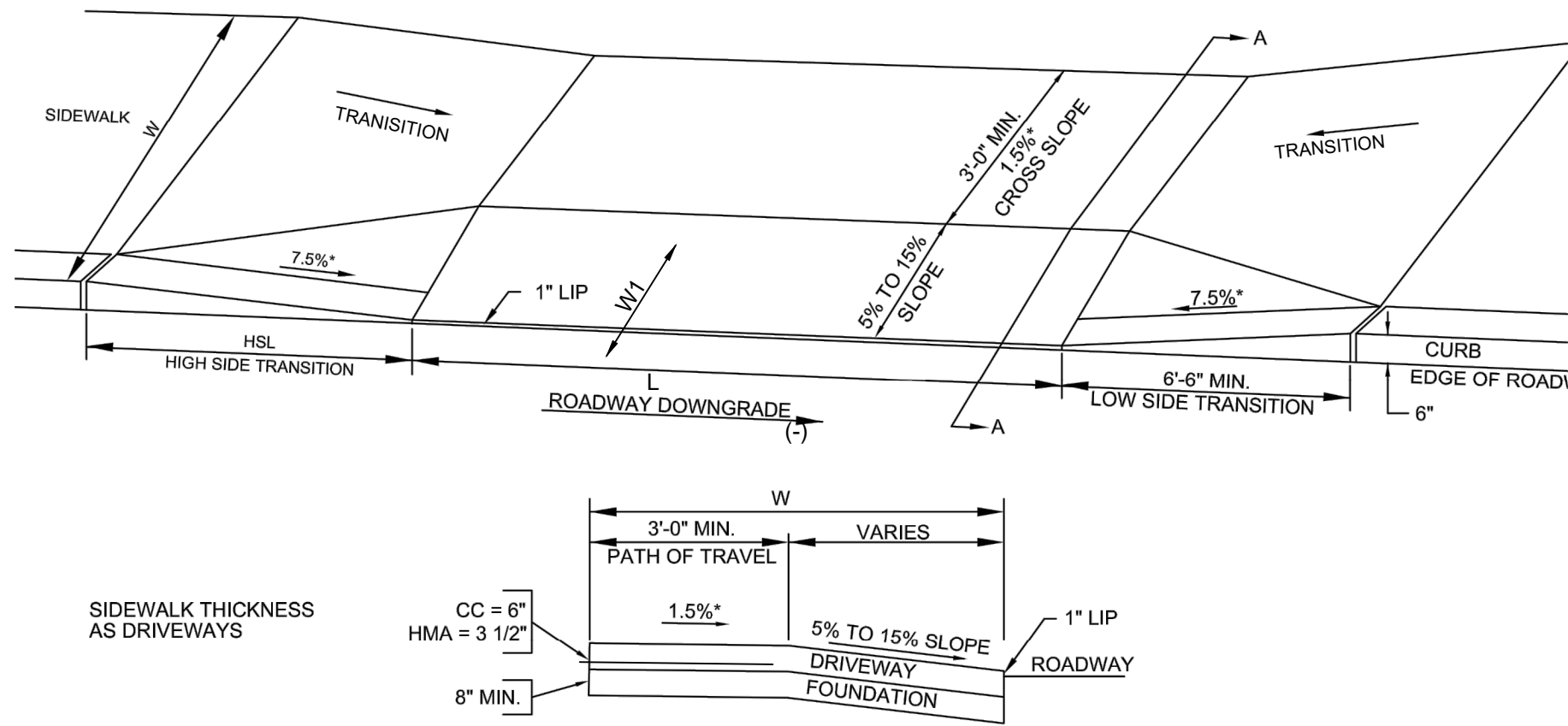
NOTE: * 3" REVEAL; ** 4" REVEAL

PEDESTRIAN CURB RAMP ON NARROW SIDEWALK
WITH DETECTABLE WARNING PANEL

TISBURY
BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	CMQ-0035(041)X	34	34
PROJECT FILE NO.		607411	

PEDESTRIAN CURB RAMP/
DRIVEWAY DETAILS



LEGEND

HSL = HIGH SIDE TRANSITION LENGTH. SEE E 107.9.0
W = SIDEWALK WIDTH
* = TOLERANCE FOR CONSTRUCTION ±0.5%
CC = CEMENT CONCRETE
HMA = HOT MIX ASPHALT

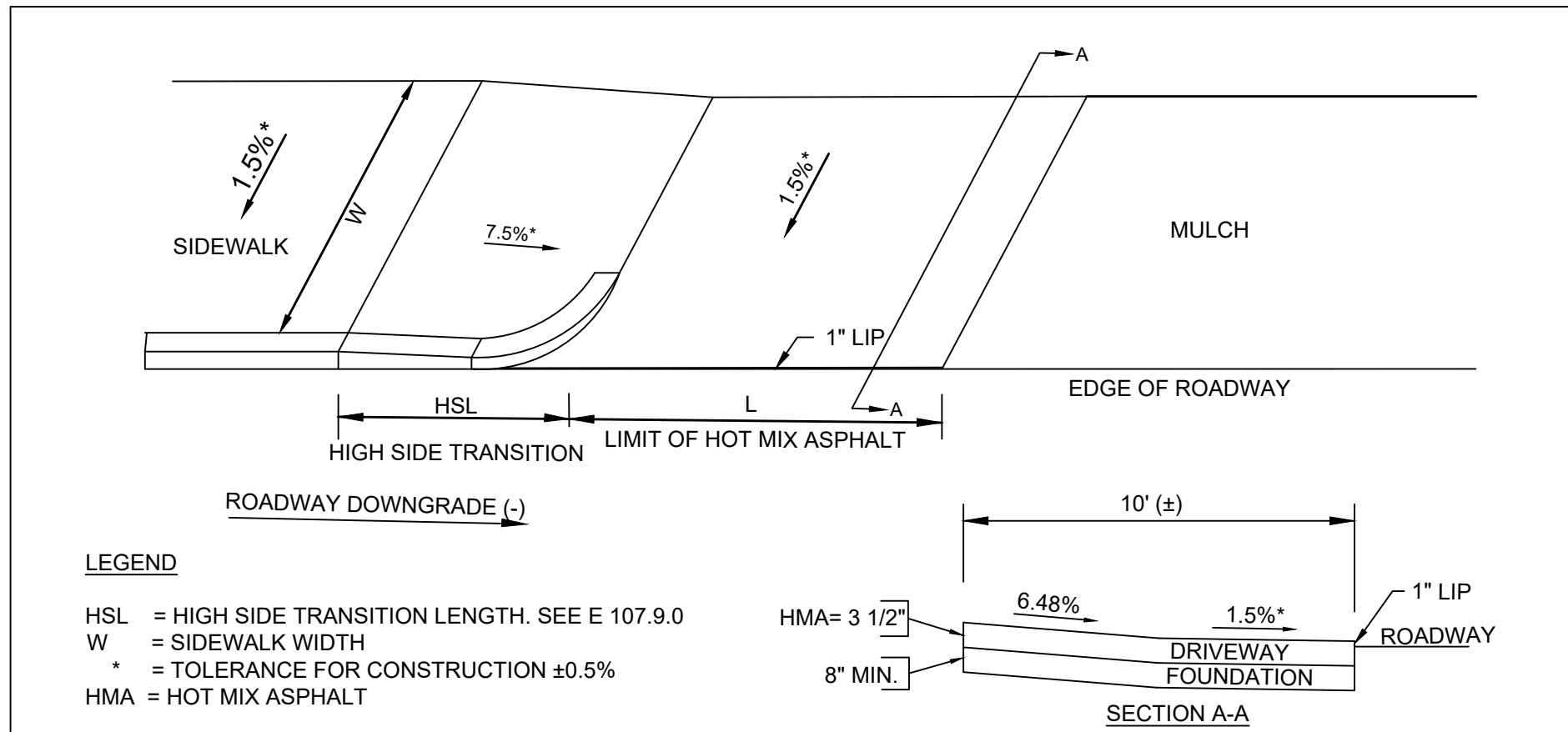
NOTES:

- SEE CONSTRUCTION STANDARD E 107.7.0

DWY #	RAMP REFERENCE POINT			LENGTH OF PRIMARY RAMP (W1)	WIDTH OF SIDEWALK (W)	WIDTH OF DRIVEWAY (L)	DEPTH OF TRAVEL PATH MIN. 3'-0"	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	BASELINE	STATION	OFFSET						LEFT SIDE	RIGHT SIDE
1	BEACH RD	11+65	15.5' RT	2'-0"	6'-0"	10'-6"	4'-0"	-0.01%	7'-8"	4'-0"
2	BEACH RD	12+11	15.5' RT	2'-0"	6'-0"	24'-0"	4'-0"	0.19%	6'-6"	7'-8"
3	BEACH RD	12+32	15.5' LT	2'-0"	6'-0"	15'-0"	4'-0"	-0.62%	7'-8"	6'-6"
4	BEACH RD	12+77	15.5' LT	2'-0"	6'-0"	15'-0"	4'-0"	-0.44%	7'-8"	6'-6"
5	BEACH RD	13+01	15.5' RT	2'-0"	6'-0"	24'-0"	4'-0"	0.38%	6'-6"	7'-8"
6	BEACH RD	13+61	15.5' RT	2'-0"	6'-0"	21'-0"	4'-0"	-0.08%	7'-8"	7'-8"
7	BEACH RD	13+80	15.5' LT	2'-0"	6'-0"	24'-0"	4'-0"	0.25%	6'-6"	3'-10"
8	BEACH RD	14+13	15.5' LT	2'-0"	6'-0"	15'-0"	4'-0"	0.59%	3'-3"	7'-8"
9	BEACH RD	14+49	15.5' RT	2'-0"	6'-0"	24'-0"	4'-0"	-0.62%	7'-8"	6'-6"
10	BEACH RD	14+71	15.5' LT	2'-0"	6'-0"	15'-0"	4'-0"	0.62%	6'-6"	7'-8"
11	BEACH RD	15+01	15.5' RT	2'-0"	6'-0"	15'-0"	4'-0"	-0.57%	7'-8"	6'-6"
12	BEACH RD	15+22	15.5' LT	2'-0"	6'-0"	24'-0"	4'-0"	0.62%	6'-6"	3'-10"
14	BEACH RD	15+88	15.5' LT	2'-0"	6'-0"	24'-0"	4'-0"	0.62%	6'-6"	7'-8"
15	BEACH RD	16+49	15.5' RT	2'-0"	6'-0"	24'-0"	4'-0"	-0.46%	7'-8"	6'-6"
16	BEACH RD	16+80	15.5' LT	2'-0"	6'-0"	24'-0"	4'-0"	0.33%	6'-6"	7'-8"
17	BEACH RD	17+76	15.5' RT	2'-0"	6'-0"	22'-0"	4'-0"	-0.06%	6'-6"	6'-6"
18	BEACH RD	18+05	15.5' LT	2'-0"	6'-0"	24'-0"	4'-0"	-0.22%	3'-10"	3'-3"
19	BEACH RD	18+96	15.5' RT	2'-0"	6'-0"	15'-0"	4'-0"	-0.28%	7'-8"	7'-8"
20	BEACH RD	19+60	15.5' RT	2'-0"	6'-0"	15'-0"	4'-0"	0.36%	7'-8"	7'-8"
21	BEACH RD	20+49	15.5' RT	2'-0"	6'-0"	24'-0"	4'-0"	0.43%	7'-8"	7'-8"
22	BEACH RD	20+94	15.5' RT	2'-0"	6'-0"	15'-0"	4'-0"	0.91%	7'-8"	7'-8"
23	BEACH RD	21+73	15.5' RT	2'-0"	6'-0"	15'-0"	4'-0"	-0.40%	7'-8"	7'-8"
24	BEACH RD	22+64	15.5' RT	2'-0"	6'-0"	15'-0"	4'-0"	-0.40%	7'-8"	7'-8"
25	BEACH RD	23+37	15.5' RT	2'-0"	6'-0"	24'-0"	4'-0"	-0.13%	7'-8"	7'-8"
26	BEACH RD	23+94	15.5' RT	2'-0"	6'-0"	18'-0"	4'-0"	0.44%	6'-6"	7'-8"
27	BEACH RD	24+47	15.5' RT	2'-0"	6'-0"	18'-0"	4'-0"	0.57%	3'-3"	4'-4"
29	BEACH RD	24+73	15.5' RT	2'-0"	6'-0"	15'-0"	4'-0"	0.57%	7'-8"	3'-3"
30	BEACH RD	25+16	15.5' RT	2'-0"	6'-0"	15'-0"	4'-0"	0.23%	7'-8"	7'-8"
31	BEACH RD	26+26	15.5' RT	2'-0"	5'-6"	24'-0"	4'-0"	-0.40%	7'-8"	7'-8"
32	BEACH RD	27+76	15.5' RT	2'-0"	5'-6"	24'-0"	4'-0"	0.99%	7'-8"	7'-8"
33	BEACH RD	28+38	15.5' RT	2'-0"	5'-6"	34'-6"	4'-0"	0.61%	4'-0"	7'-8"
34	BEACH RD	29+28	15.5' RT	2'-0"	5'-6"	85'-0"	8'-0"	0.40%	7'-8"	6'-6"
35	BEACH RD	30+92	15.5' RT	2'-0"	5'-6"	24'-0"	8'-0"	-0.42%	7'-8"	7'-8"
36	BEACH RD	32+14	15.5' RT	2'-0"	5'-6"	30'-0"	8'-0"	-0.40%	7'-8"	4'-3"
37	BEACH RD	32+65	15.5' RT	2'-0"	5'-6"	30'-0"	8'-0"	-0.40%	7'-8"	7'-8"
38	BEACH RD	34+06	15.5' RT	2'-0"	5'-6"	24'-0"	8'-0"	-0.40%	7'-8"	7'-8"
39	BEACH RD	36+16	15.5' RT	2'-0"	7'-6"	24'-0"	8'-0"	-0.40%	7'-8"	7'-8"

NOTE: * 3" CURB REVEAL; ** 4" REVEAL

SIDEWALK AT DRIVEWAYS WITHOUT CURB RETURNS

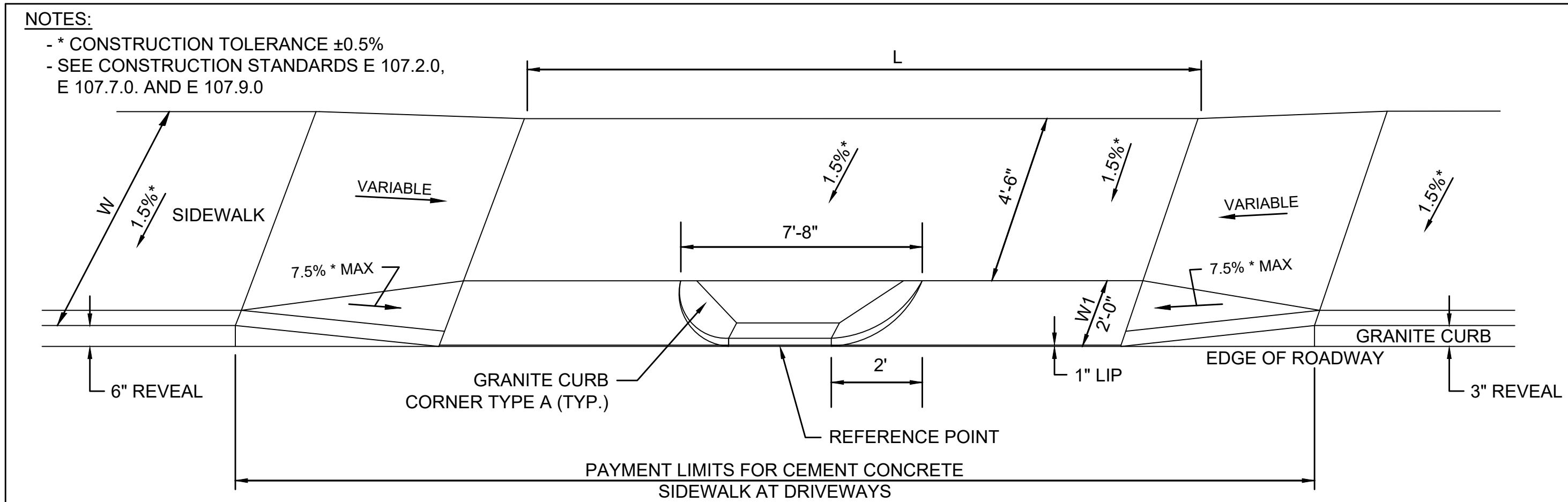


LEGEND

HSL = HIGH SIDE TRANSITION LENGTH. SEE E 107.9.0
W = SIDEWALK WIDTH
* = TOLERANCE FOR CONSTRUCTION ±0.5%
HMA = HOT MIX ASPHALT

DWY #	RAMP REFERENCE POINT			WIDTH OF SIDEWALK (W)	WIDTH OF DRIVEWAY (L)	ROADWAY GUTTER SLOPE	TRANSITION LENGTH***	
	BASELINE	STATION	OFFSET				LEFT SIDE	RIGHT SIDE
28	BEACH ROAD	24+53	15.5' LT	5'-0"	20'-0"	-0.57%	7'-8"	N/A

NO SIDEWALK AT DRIVEWAY



DWY #	RAMP REFERENCE POINT			LENGTH OF PRIMARY RAMP (W1)	WIDTH OF SIDEWALK (W)	WIDTH OF DRIVEWAY (L)	DEPTH OF TRAVEL PATH MIN. 3'-3"	ROADWAY GUTTER SLOPE	TRANSITION LENGTH	
	BASELINE	STATION	OFFSET						LEFT SIDE	RIGHT SIDE
13	BEACH RD	15+92	15.5' RT	2'-0"	6'-0"	49'-0"	4'-0"	-0.61%	7'-8"	4'-6"

NOTE: ** 4" CURB REVEAL ON RIGHT SIDE

SIDEWALK AT ADJACENT DRIVEWAYS SEPARATED BY CURB RETURNS