MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION

TISBURY **BEACH ROAD**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	1	75
	PROJECT FILE NO.		

TITLE SHEET & INDEX

PLAN AND PROFILE OF

BEACH ROAD

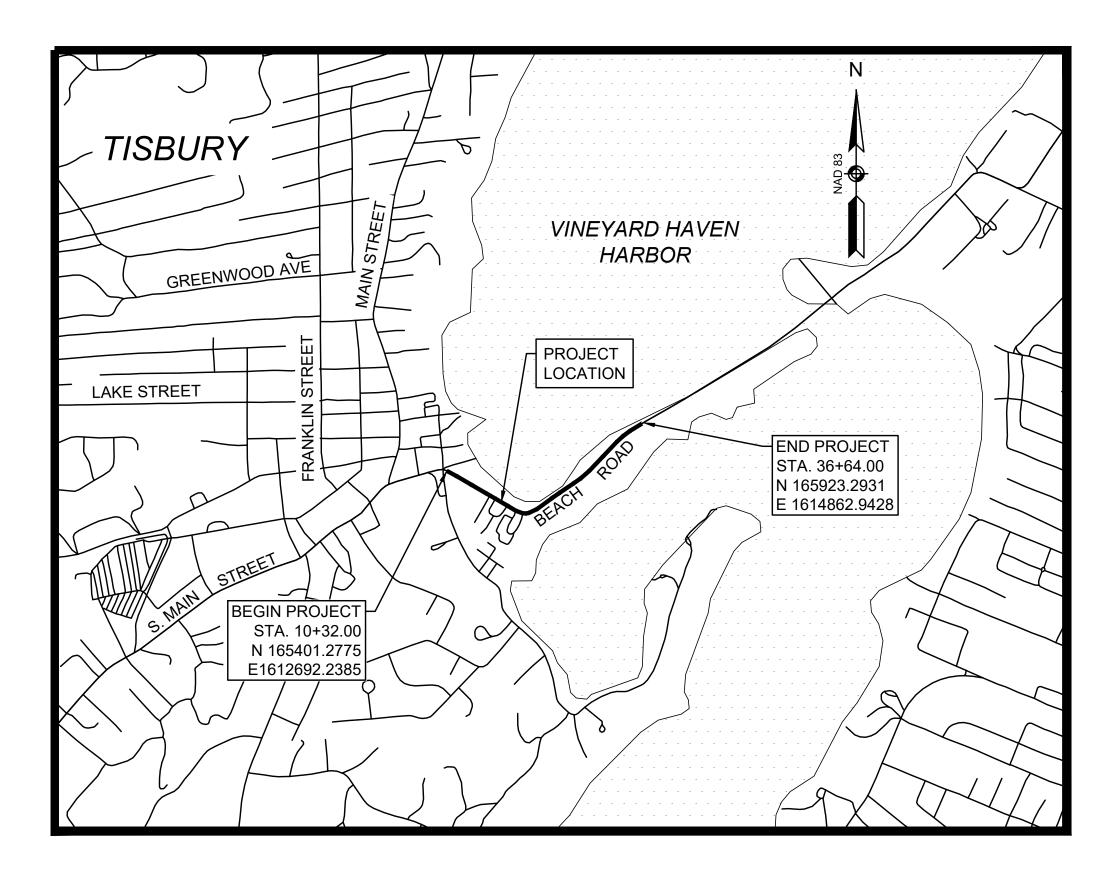
IN THE TOWN OF

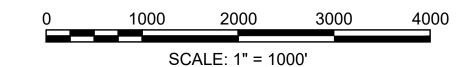
TISBURY DUKES COUNTY

INDEX

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_	50-75	CROSS SECTIONS

NOI SUBMITTAL





LENGTH OF PROJECT = 2,632 FEET = 0.4985 MILES

DESIGN DESIGNATION (BEACH ROAD)

DESIGN SPEED	30 MPH
ADT (2015)	13,500
ADT (2022)	14,500
К	7.0%
D	55%
T (PEAK HOUR)	3.5%
T (AVERAGE DAY)	3.5%
DHV	1,015
DDHV	560

FUNCTIONAL CLASSIFICATION URBAN PRINCIPAL ARTERIAL



DATE	DESCRIPTION	REV#
		·

	DATE DESCRIPTION		REV#		
	M	massDC assachusetts Department of Trans ighway Division			
RECOMMENDED FOR APPROV					
	C	HIEF ENGINEER	DATE		
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION		APPROVED			
APPROVED:					
DIVISION ADMINISTRATOR DATE	HIGHV	VAY ADMINISTRATOR	DATE		

ELEV (or EL.) ELEVATION

EXIST (or EX) EXISTING

EMBANKMENT

EDGE OF PAVEMENT

PROP

PSB

PT

PVC

PROPOSED

PLANTABLE SOIL BORROW

POINT OF VERTICAL CURVATURE

POINT OF TANGENCY

TISBURY

WM

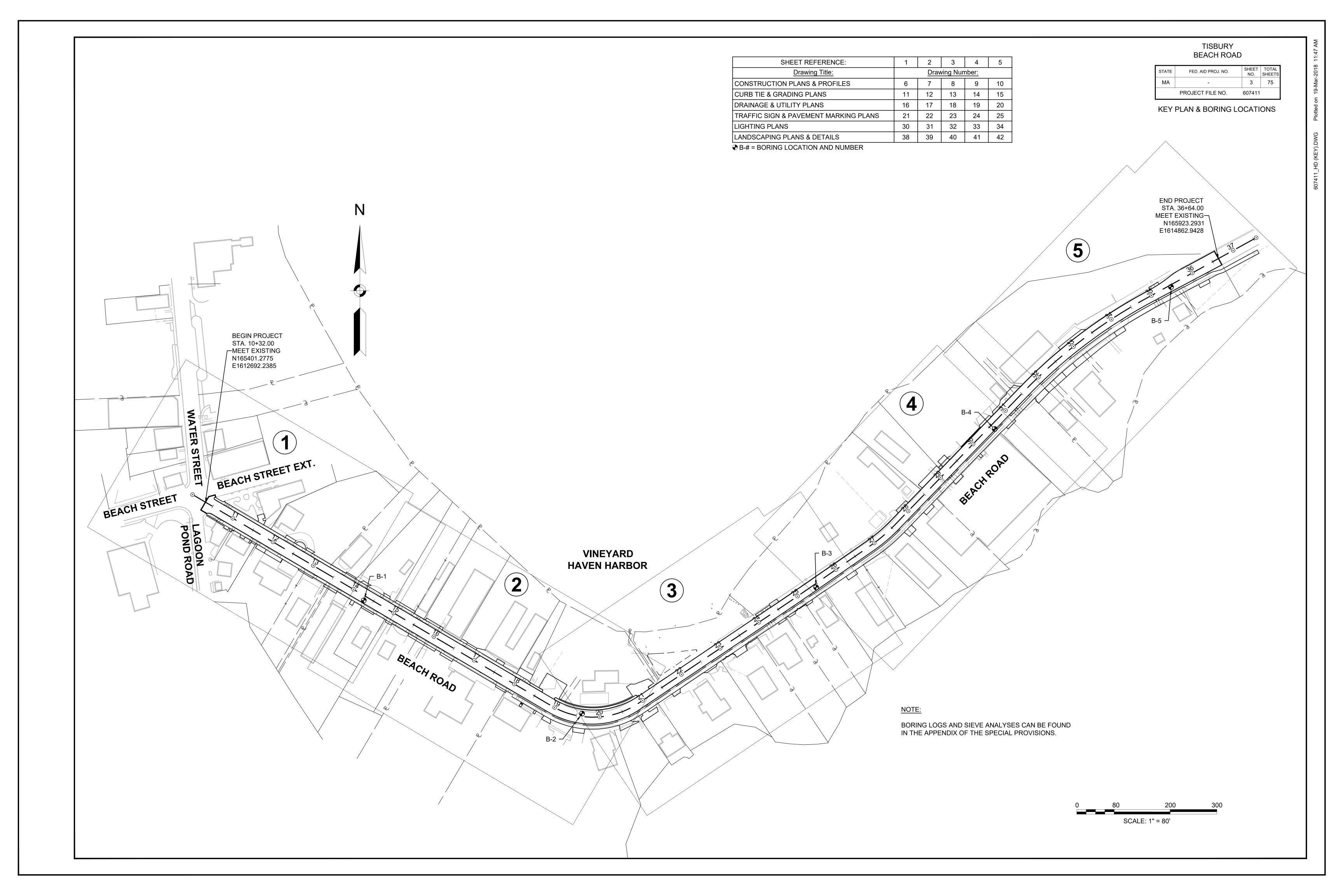
X-SECT

WATER METER/WATER MAIN

CROSS SECTION

2 75

607411



PAVEMENT NOTES

BASE:

FULL DEPTH HMA CONSTRUCTION

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: 4" DENSE GRADED CRUSHED STONE OVER

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

2" SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5) OVER

4" SUPERPAVE BASE COURSE - 37.5 (SBC - 37.5) OVER

HMA DRIVEWAYS AND SHARED USE PATH

SURFACE COURSE: 1-1/2" SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5) 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)

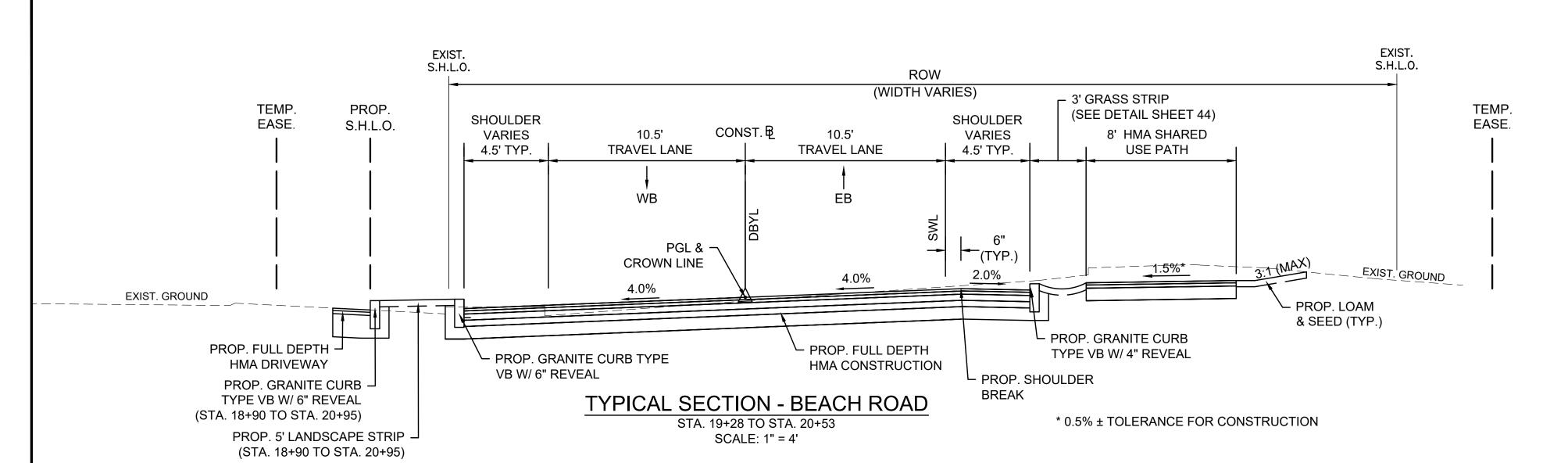
CEMENT CONCRETE SIDEWALK & WHEELCHAIR RAMPS

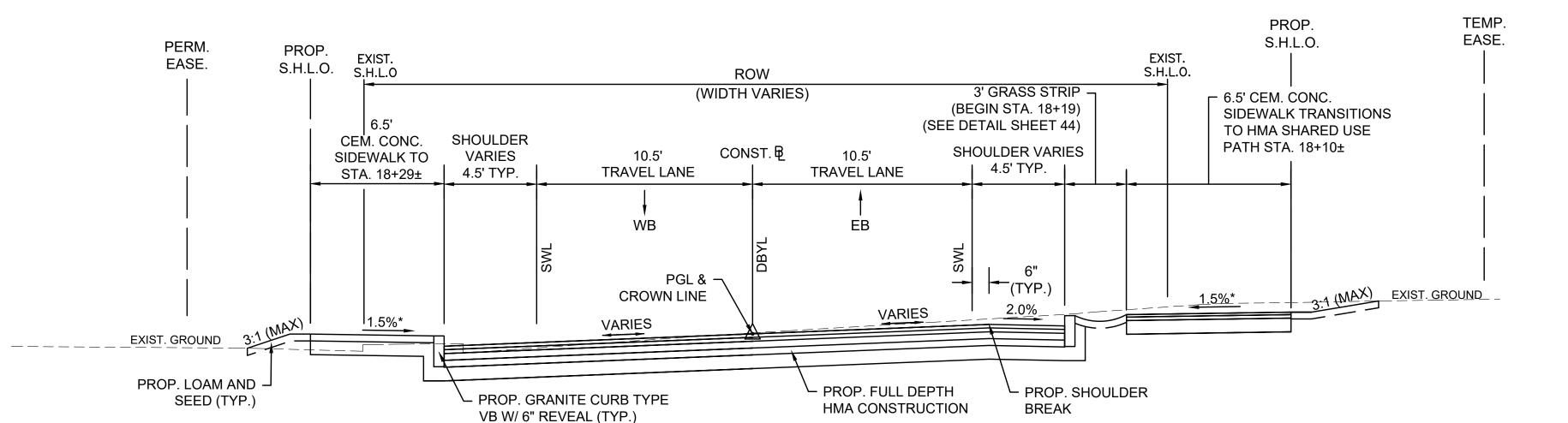
SURFACE COURSE: 4" CEMENT CONCRETE (AIR ENTRAINED 4000 PSI, 3/4", 610) OVER

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

GENERAL NOTES:

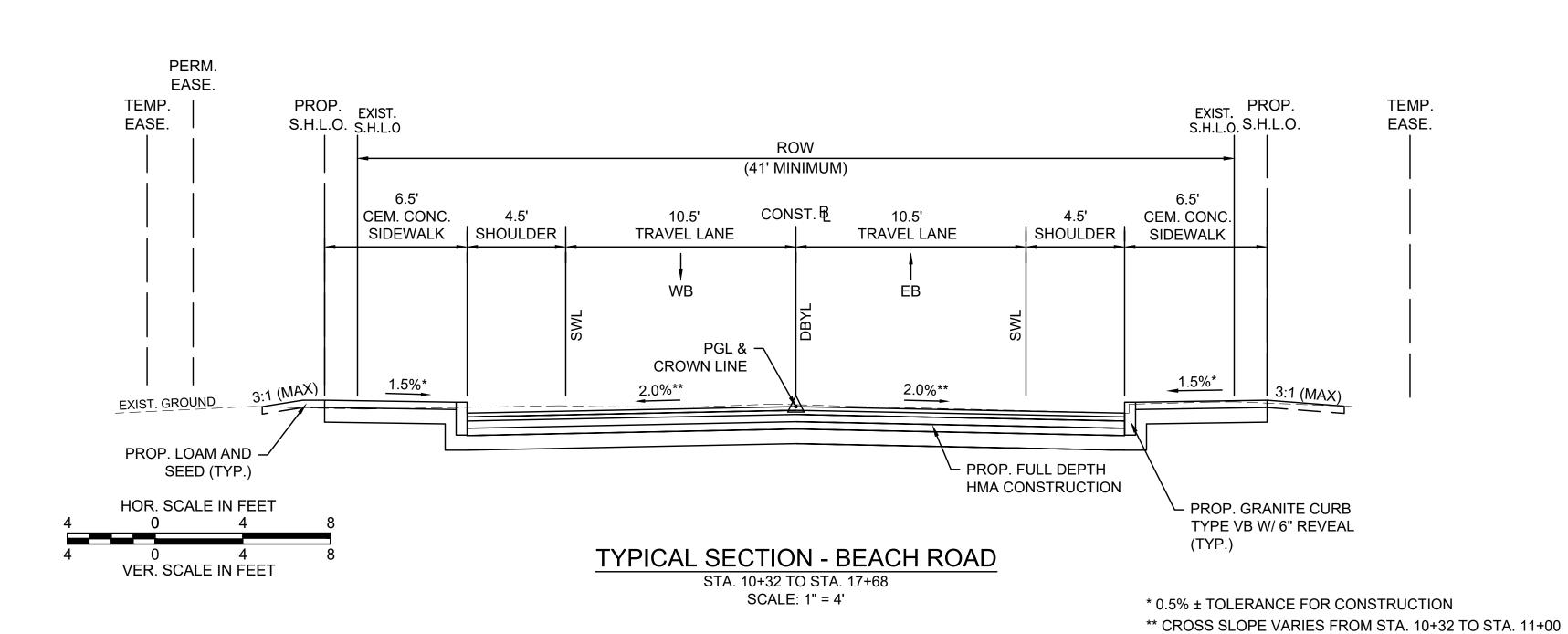
- 1. ALL SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1.5% (0.015 FT/FT). TOLERANCE FOR CONSTRUCTION SHALL BE ±0.50%. IN NO CASE SHALL THE SIDEWALK CROSS SLOPE EXCEED 2.0% (0.02 FT/FT). SIDEWALKS SHALL HAVE A MINIMUM CLEAR PATH OF 36" FREE OF OBSTRUCTION (UTILITY POLES, HYDRANTS, ETC.).
- 2. ASPHALT EMULSION FOR TACK COAT (R5-1) SHALL BE APPLIED AT THE RATE OF 0.05 GALLONS PER SQUARE YARD OVER TIGHT PAVED SURFACES PER SECTION 450.53.
- 3. 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, DENSE GRADED CRUSHED STONE AND GRAVEL BORROW SHALL BE ADJUSTED ACCORDINGLY.

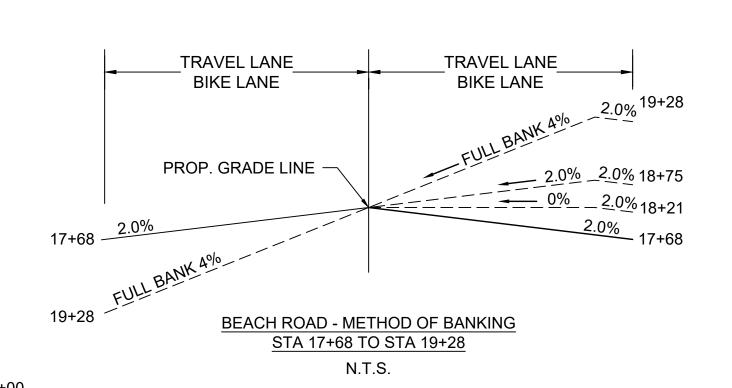


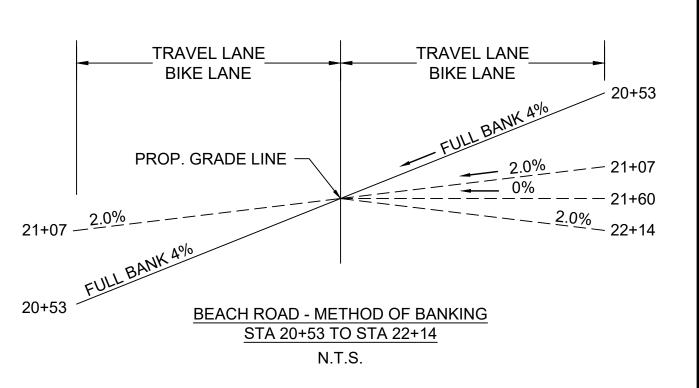


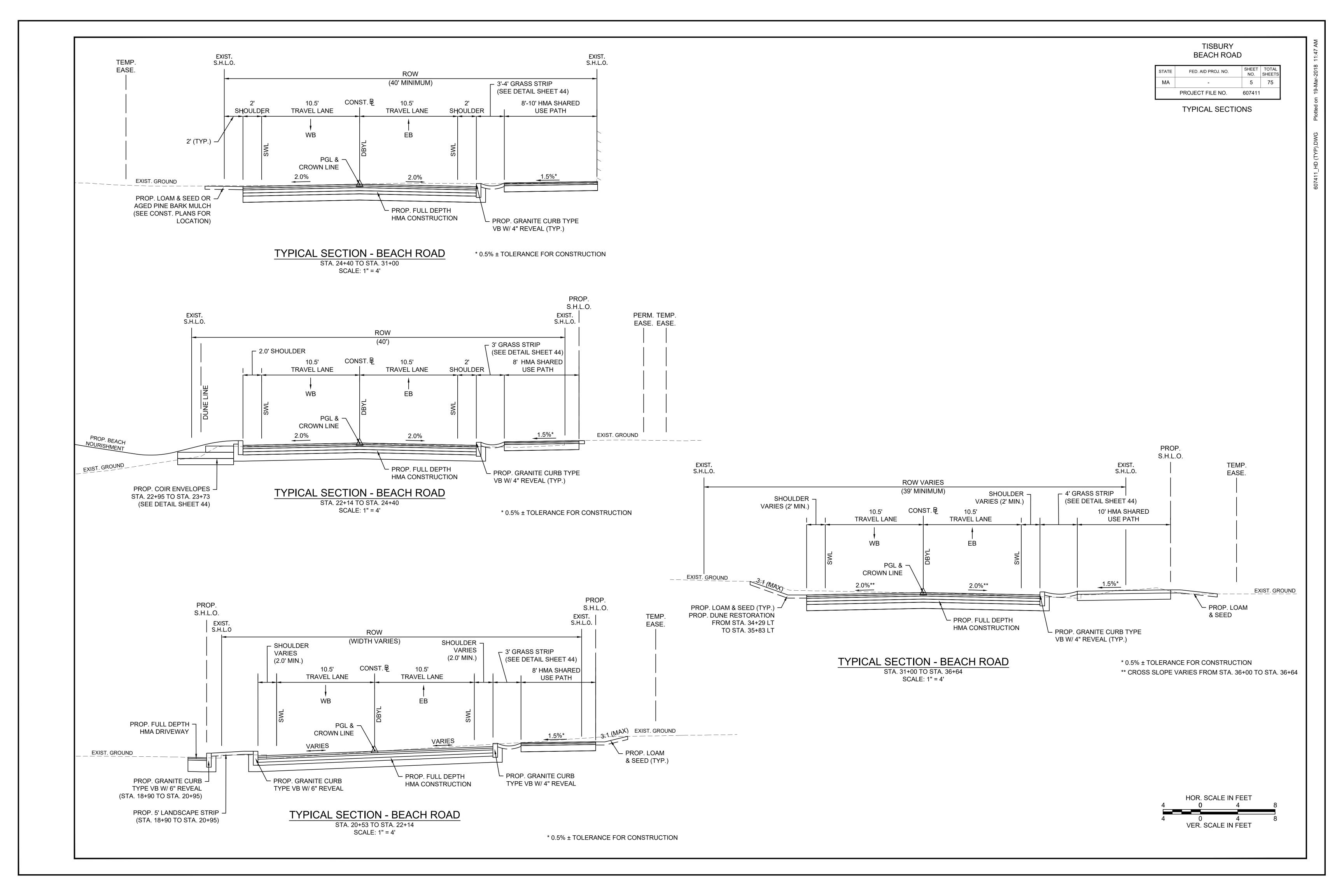
TYPICAL SECTION - BEACH ROAD STA. 17+68 TO STA. 19+28 SCALE: 1" = 4'

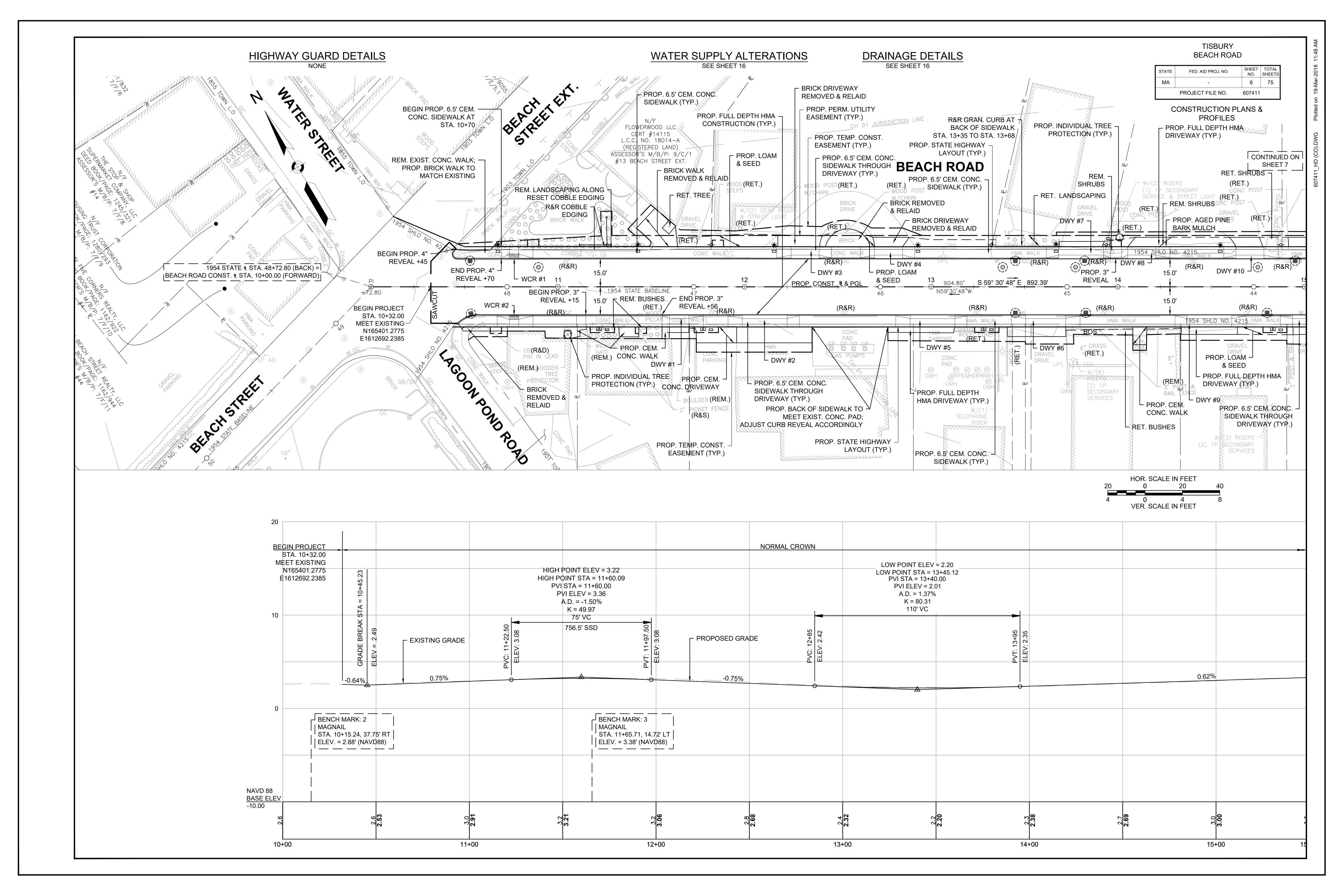
* 0.5% ± TOLERANCE FOR CONSTRUCTION

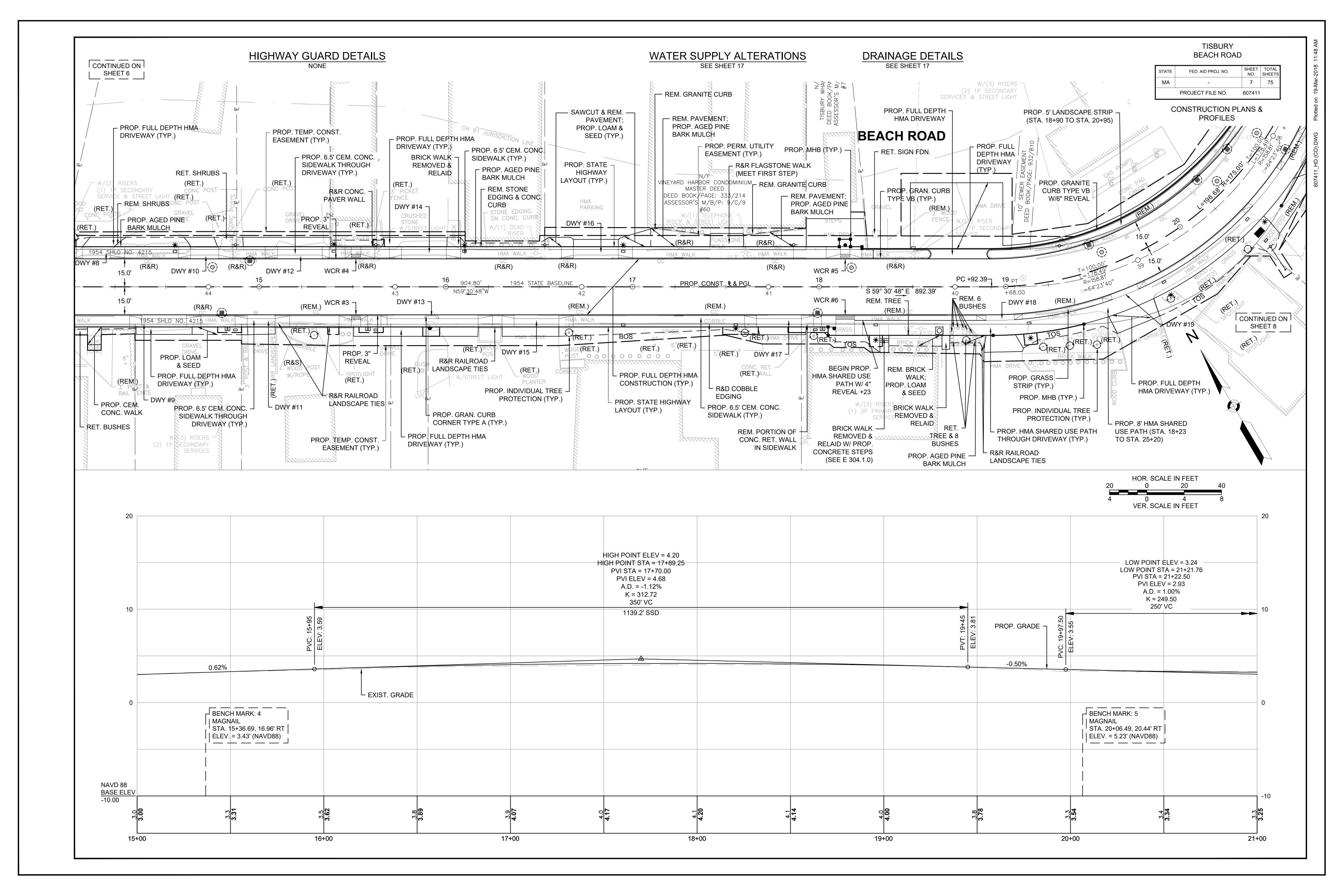


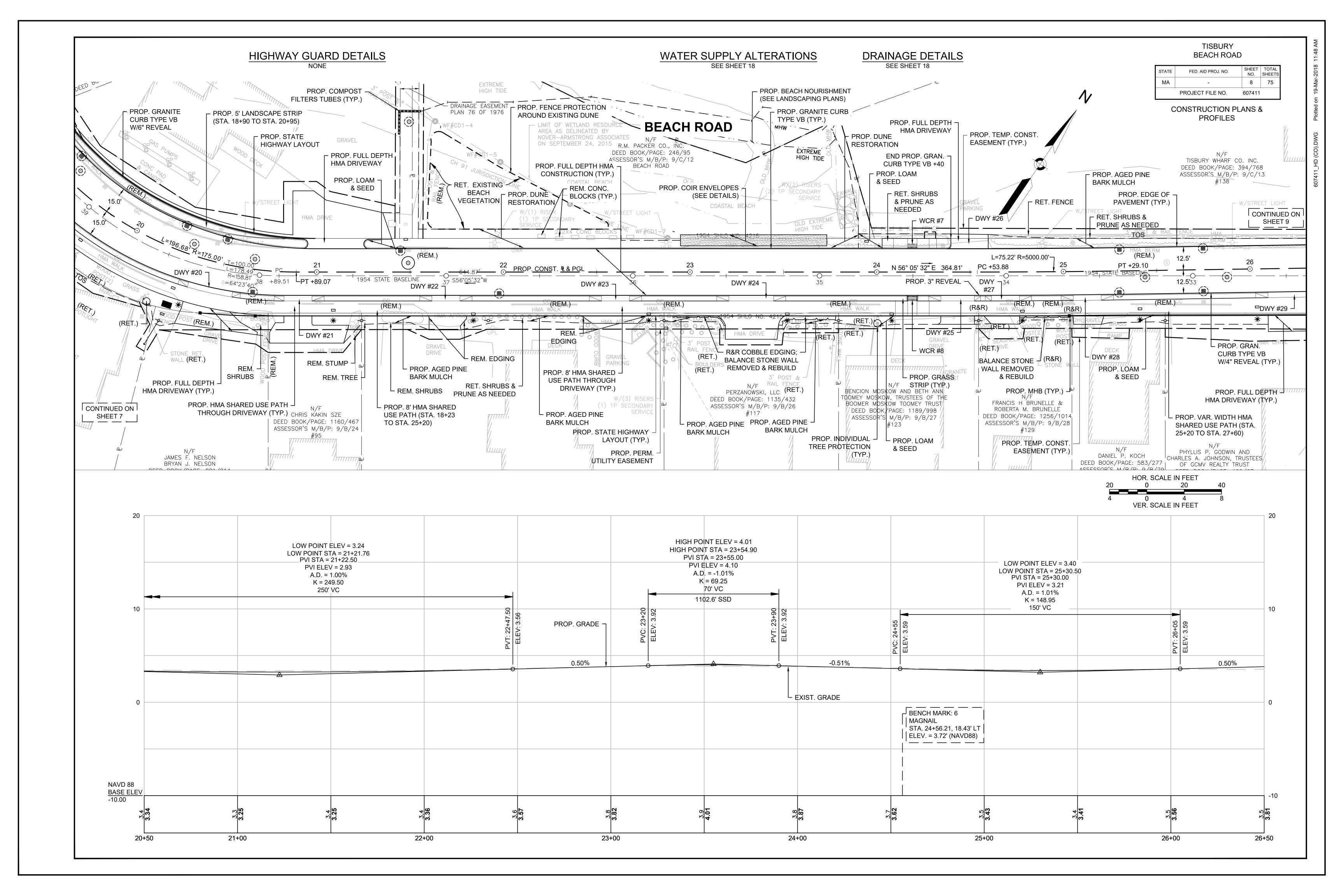


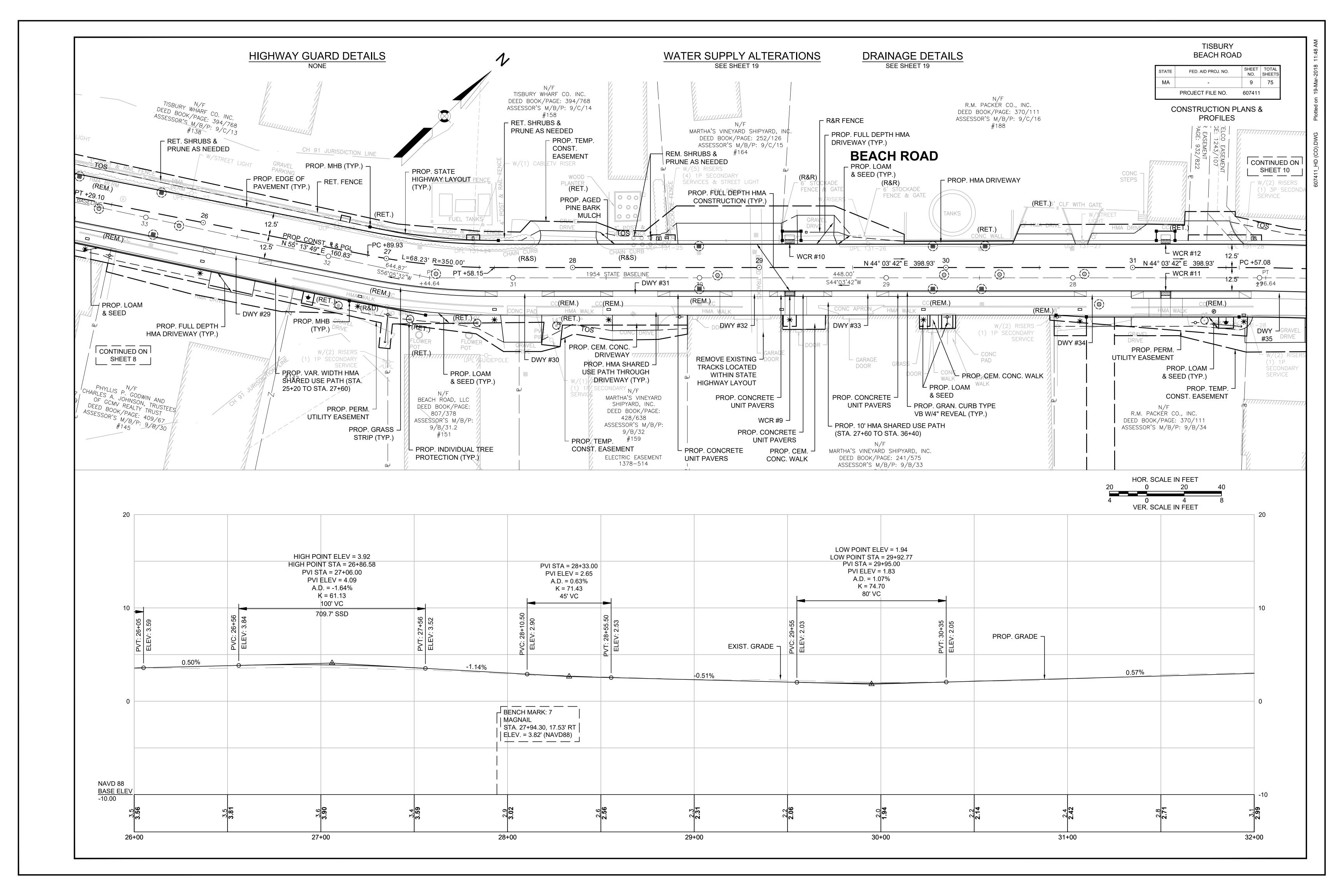


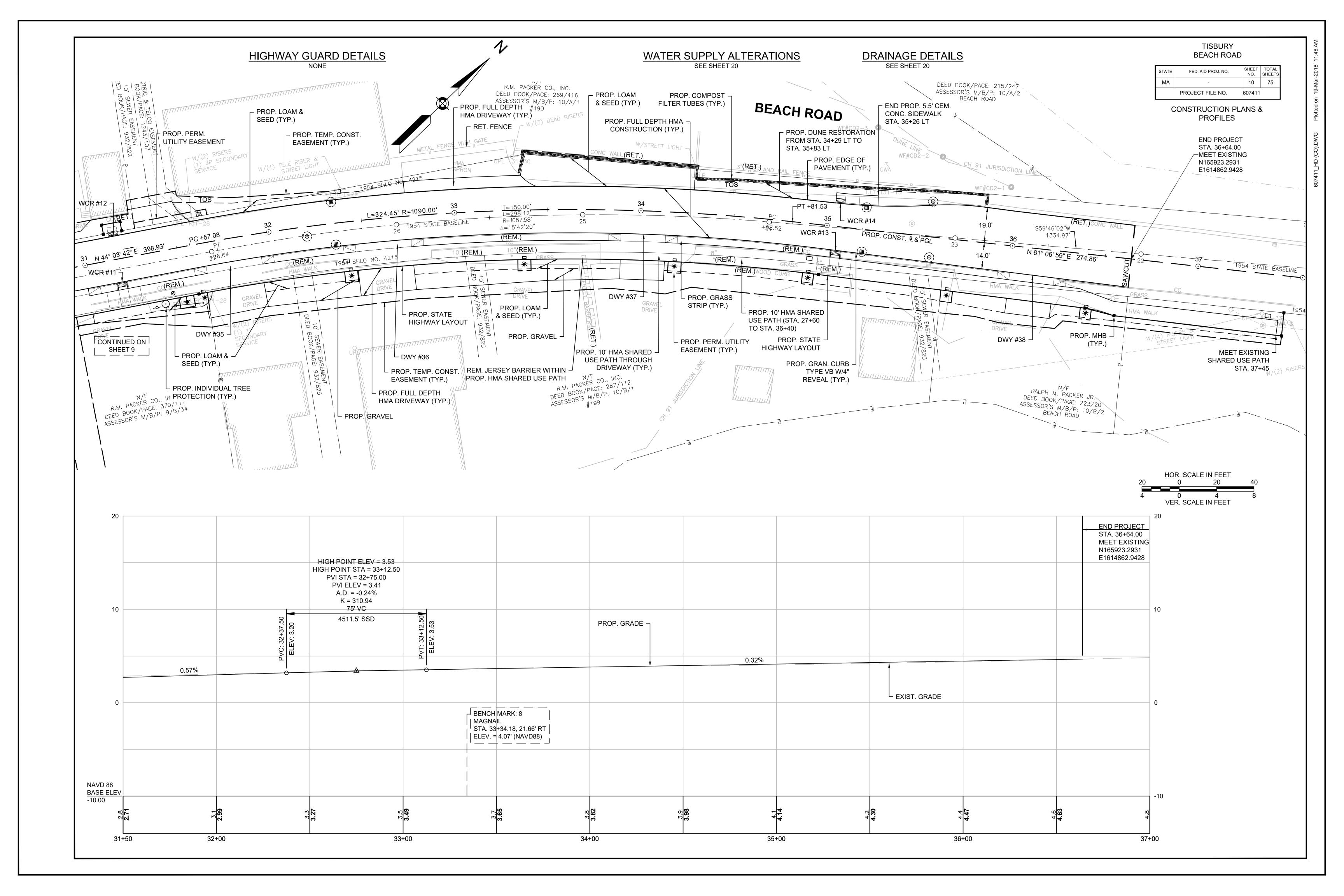


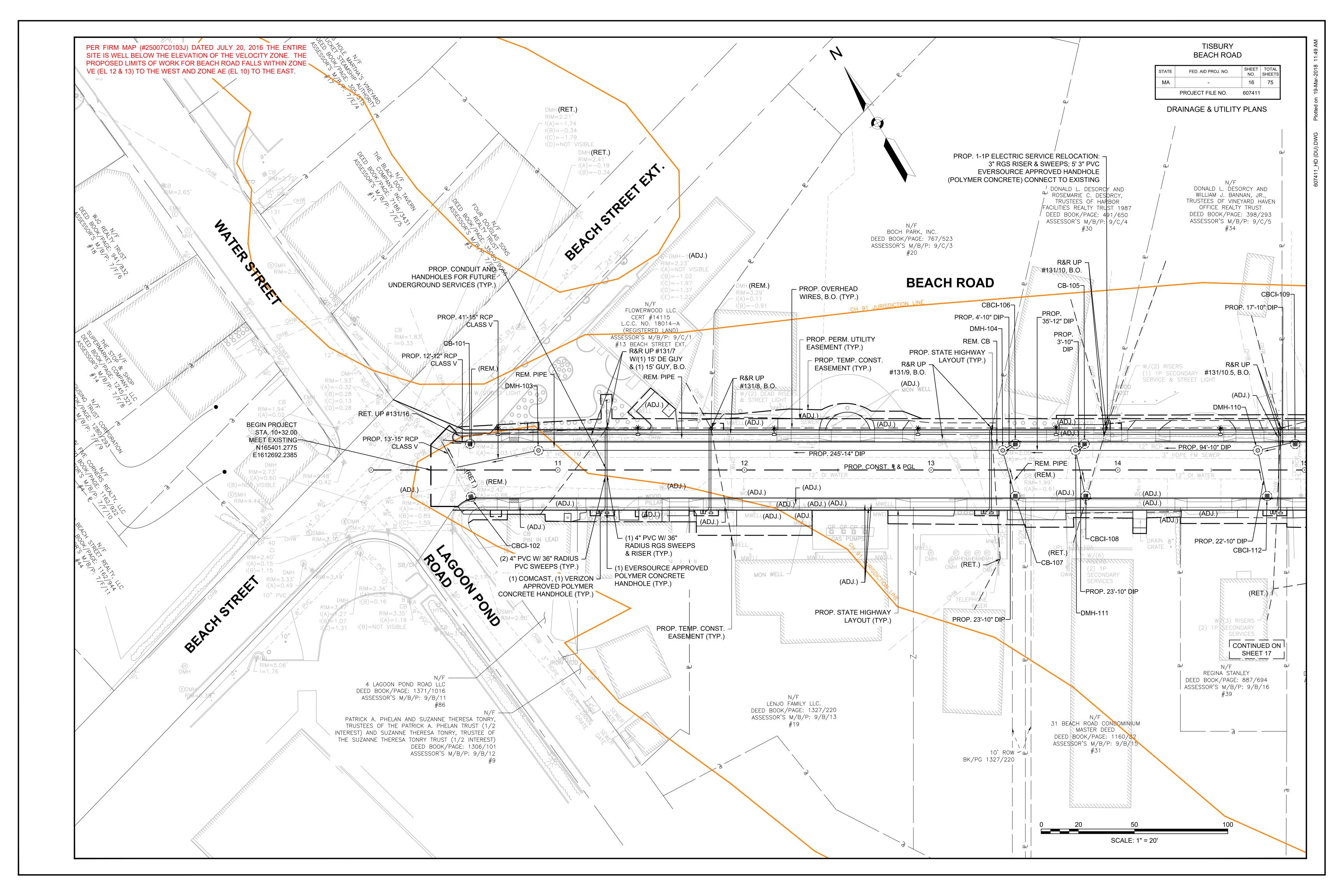


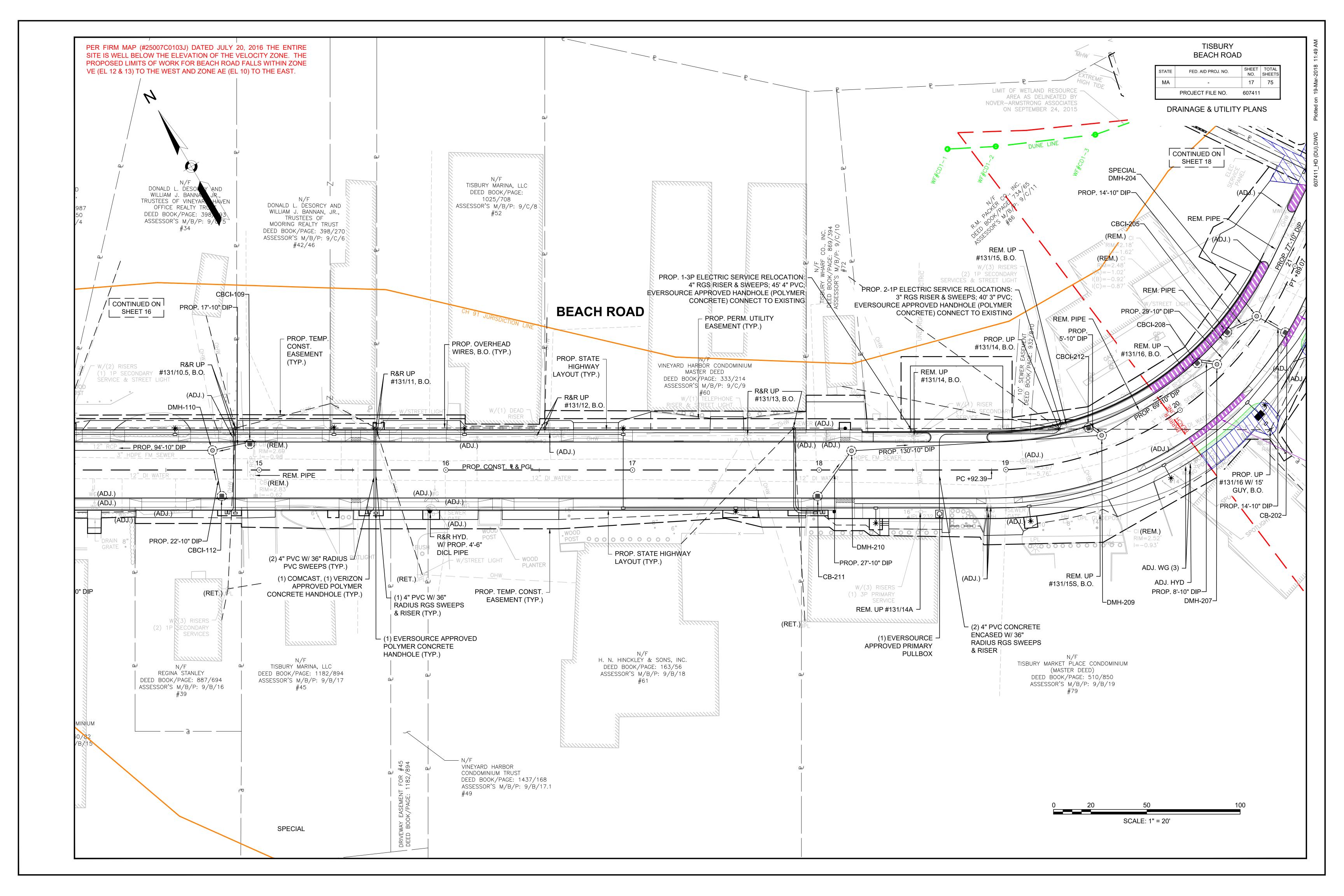


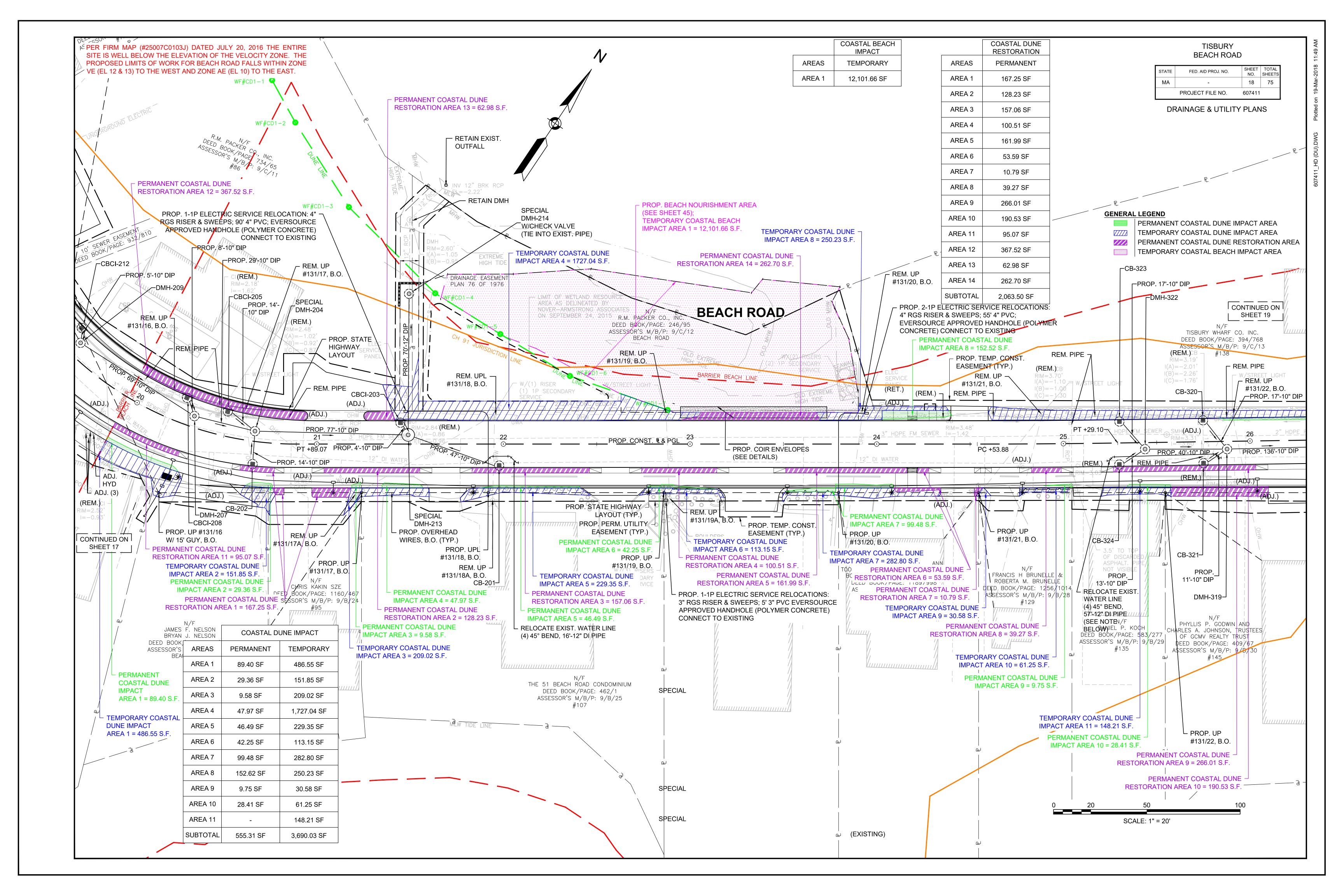


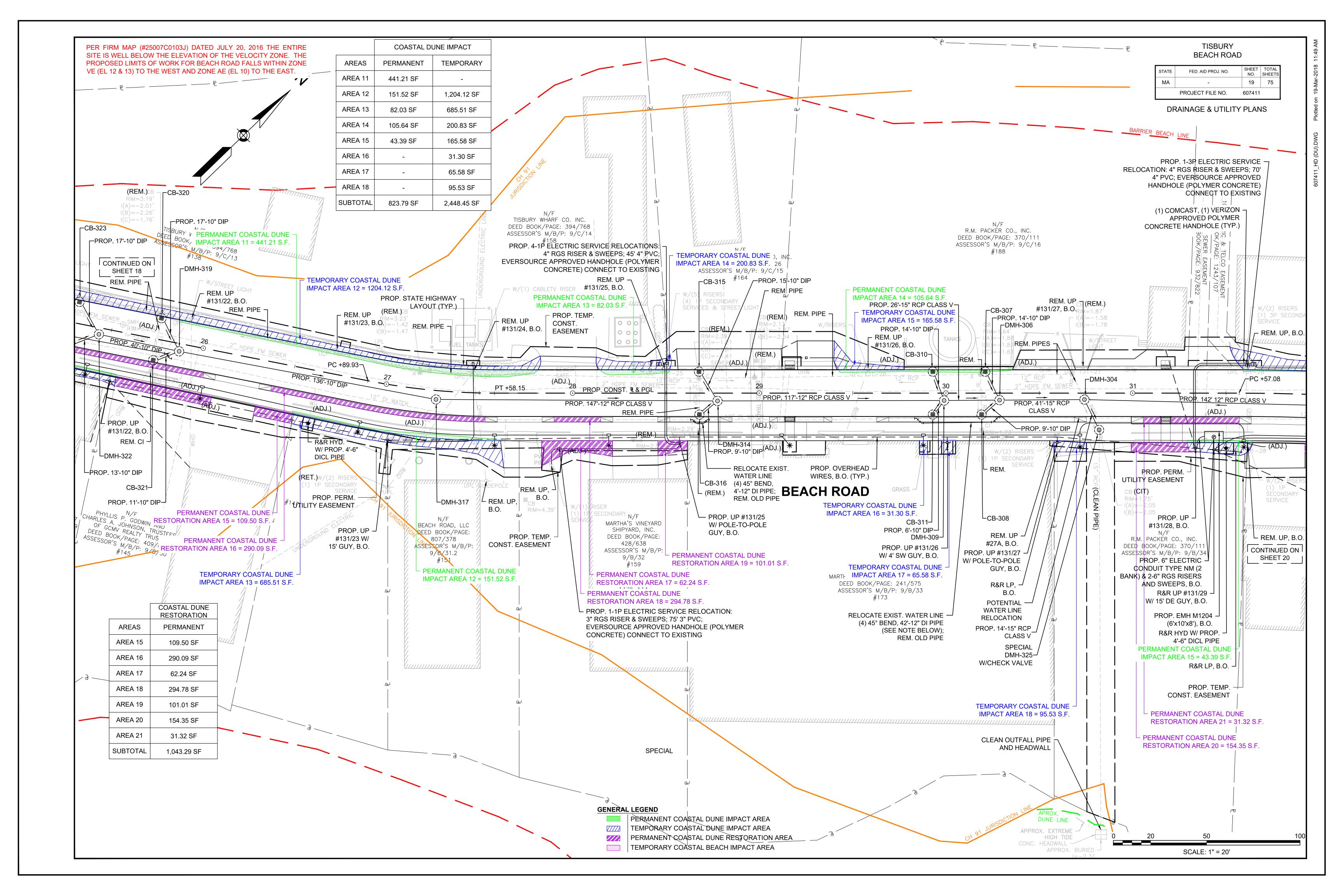


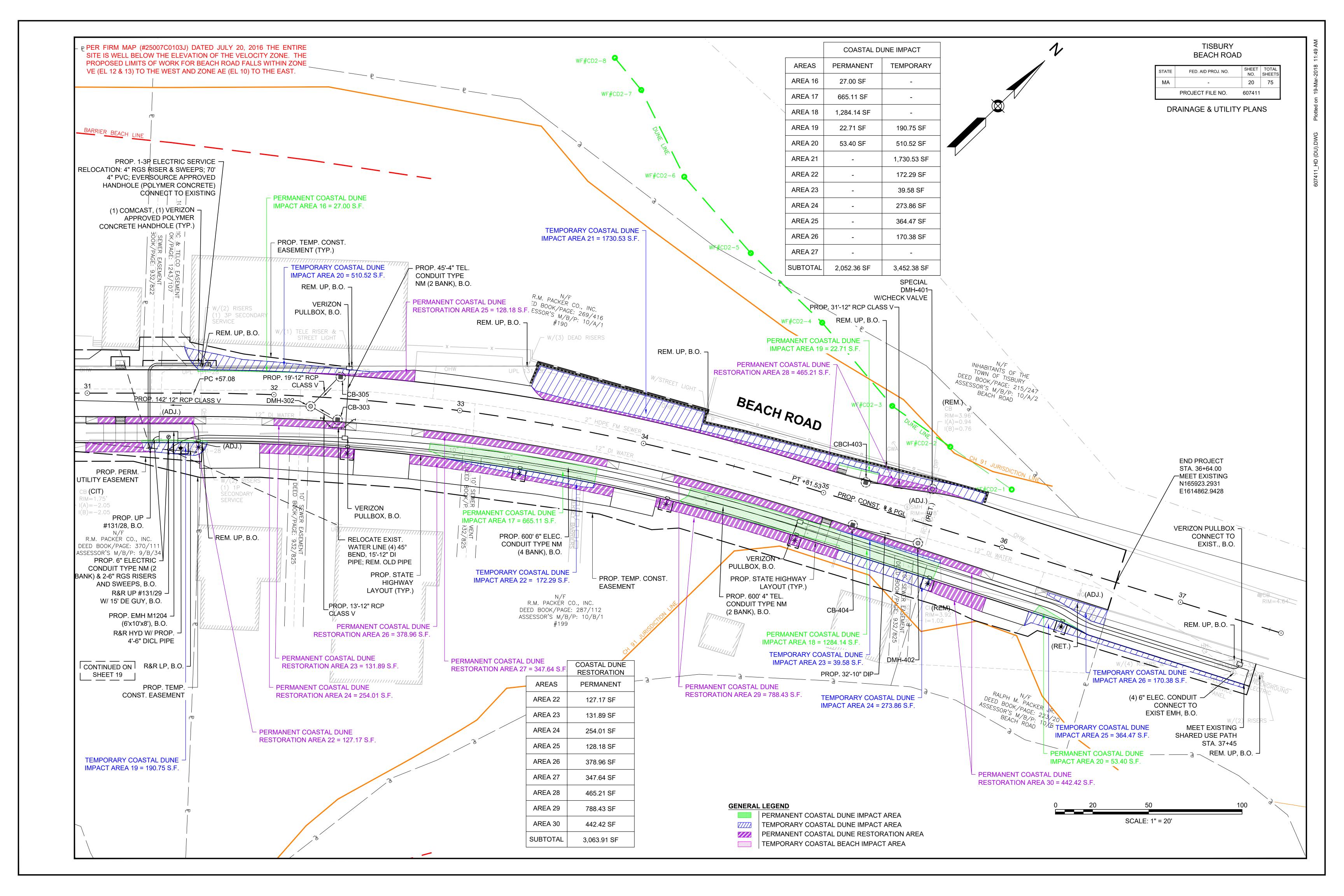


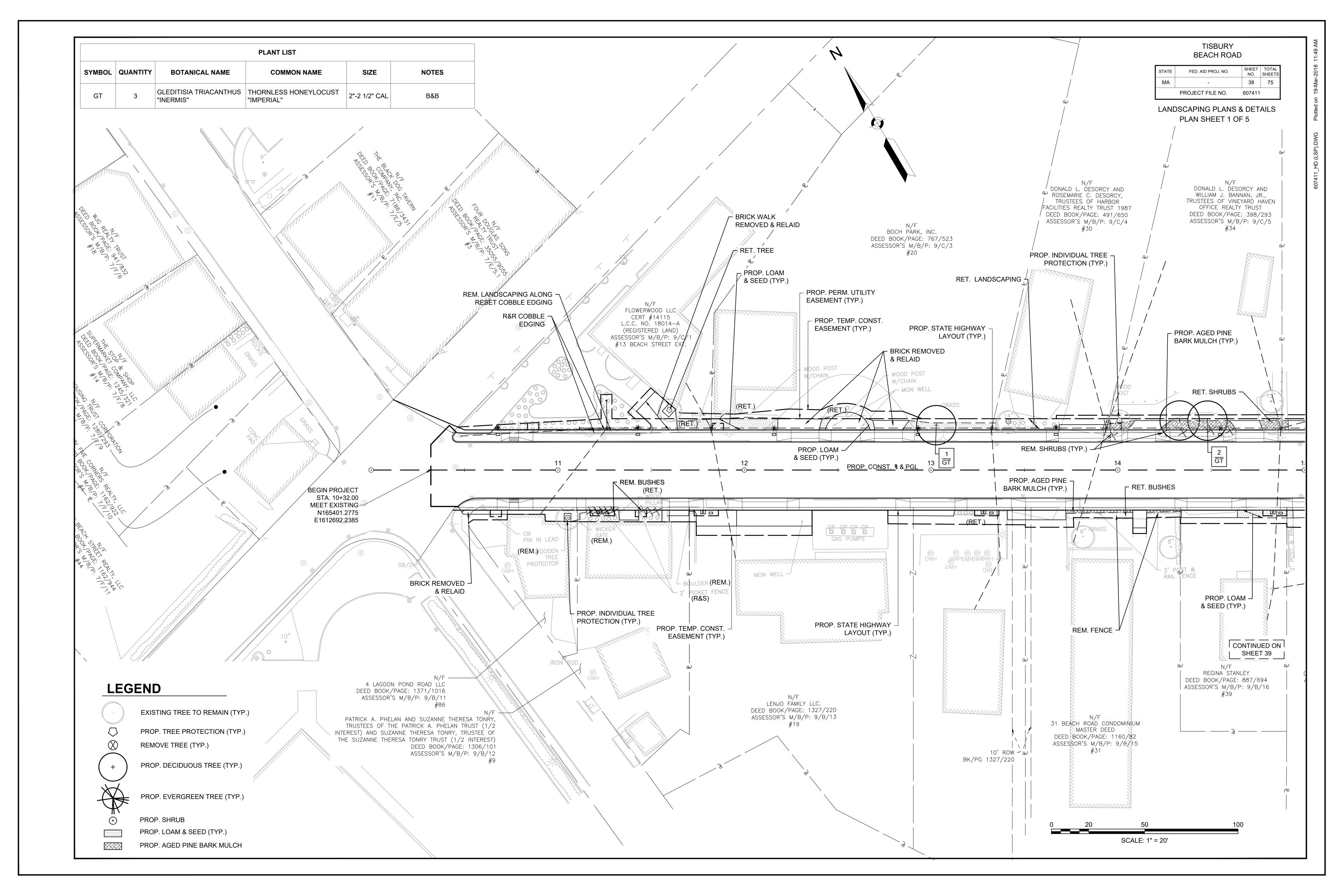


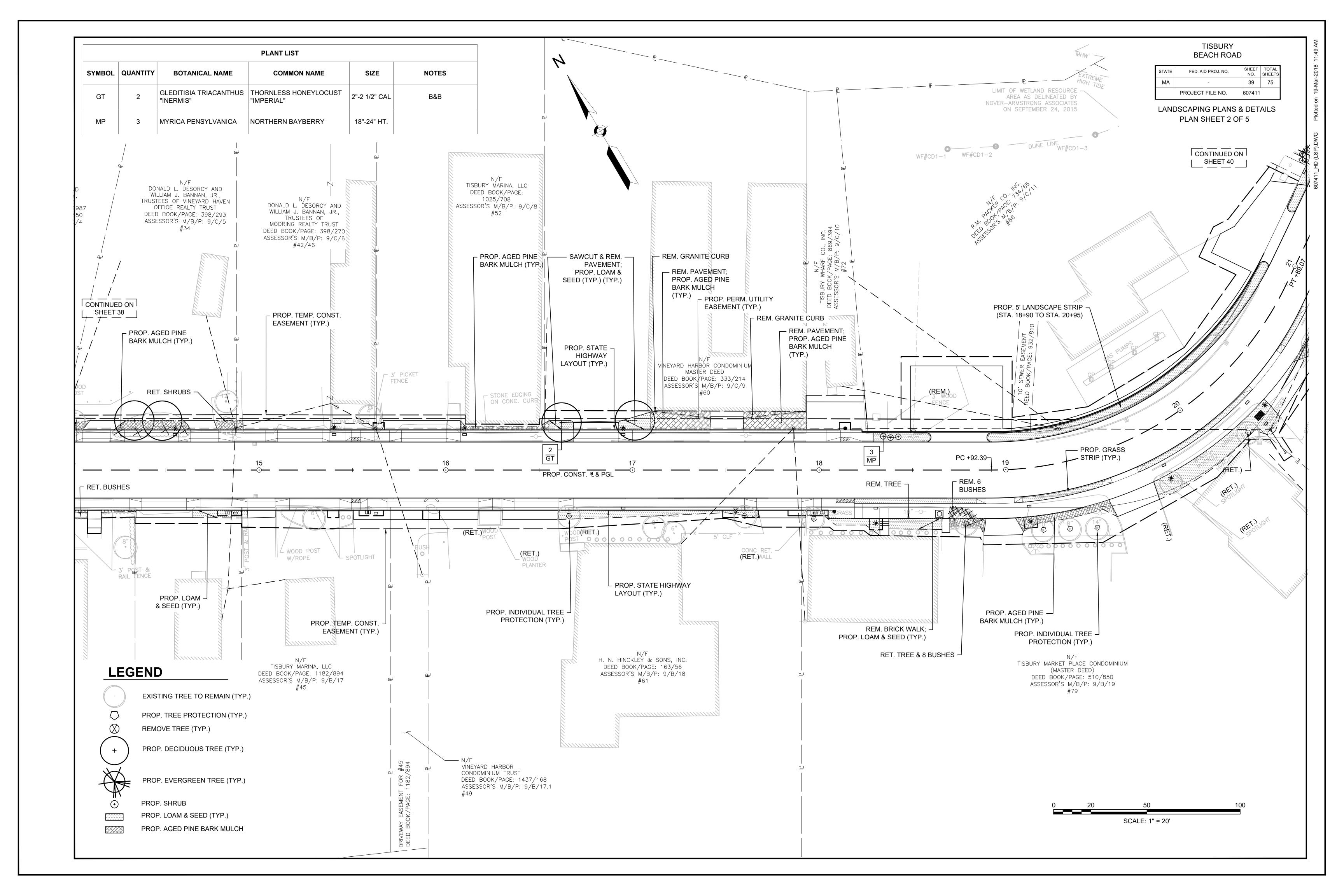


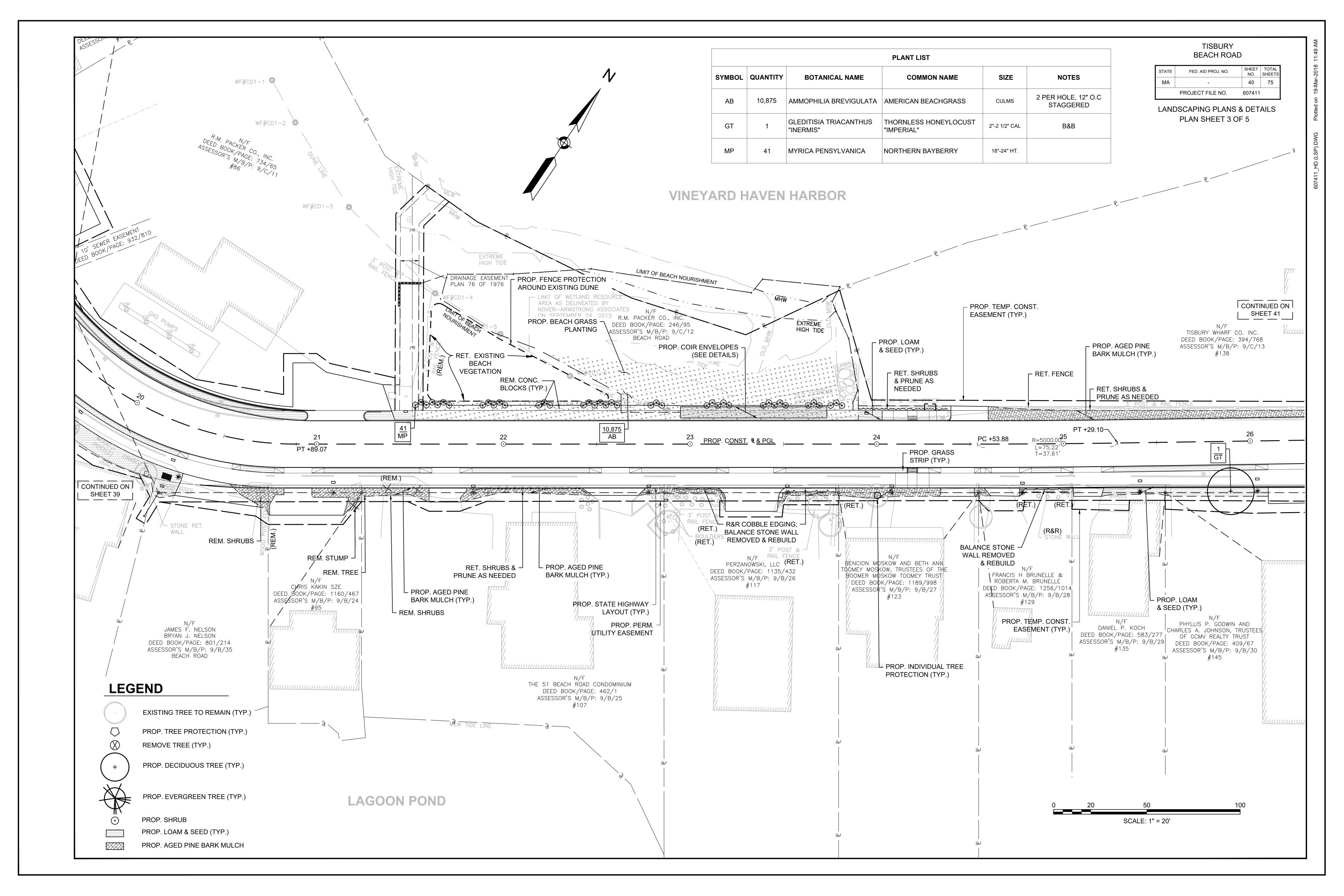


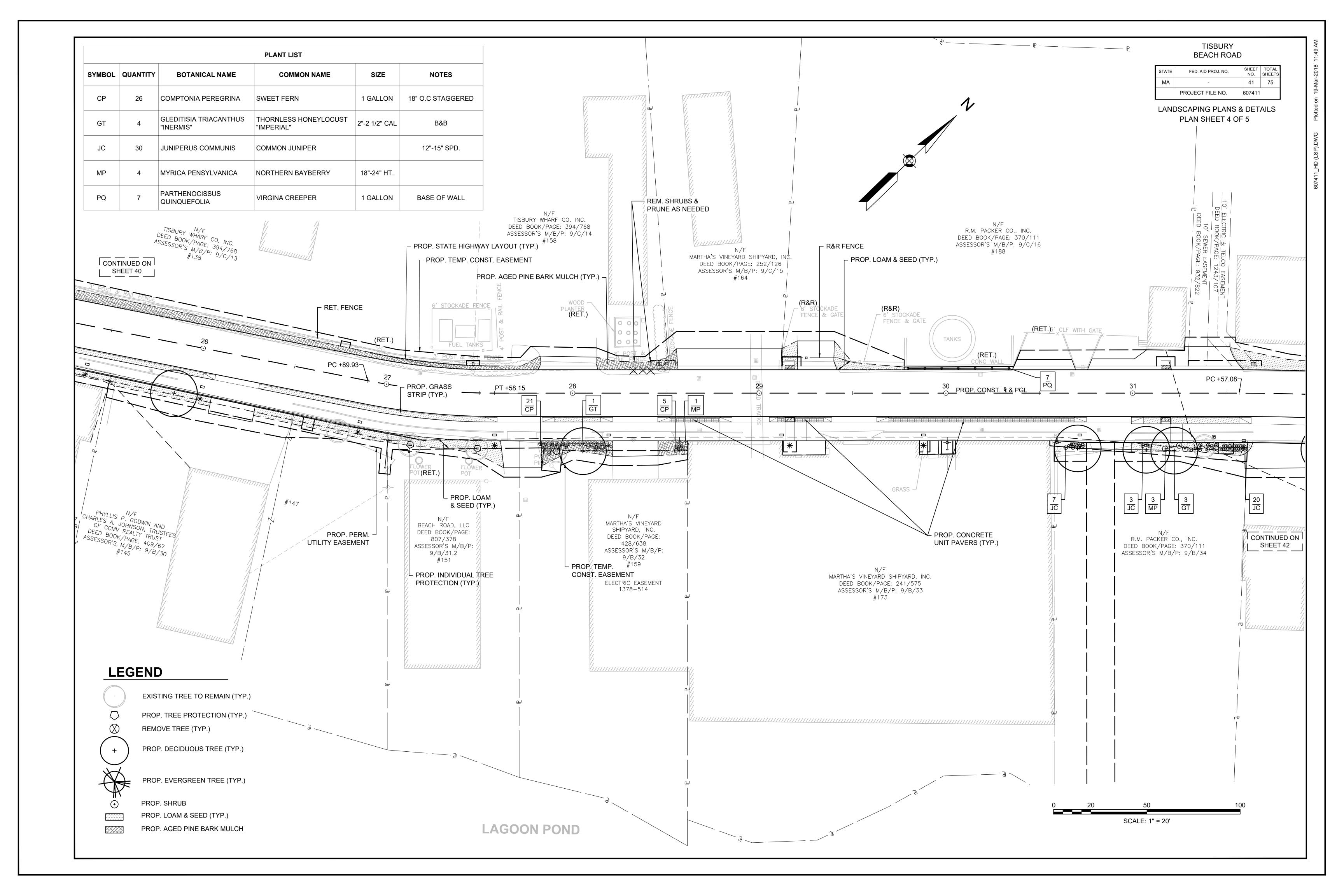


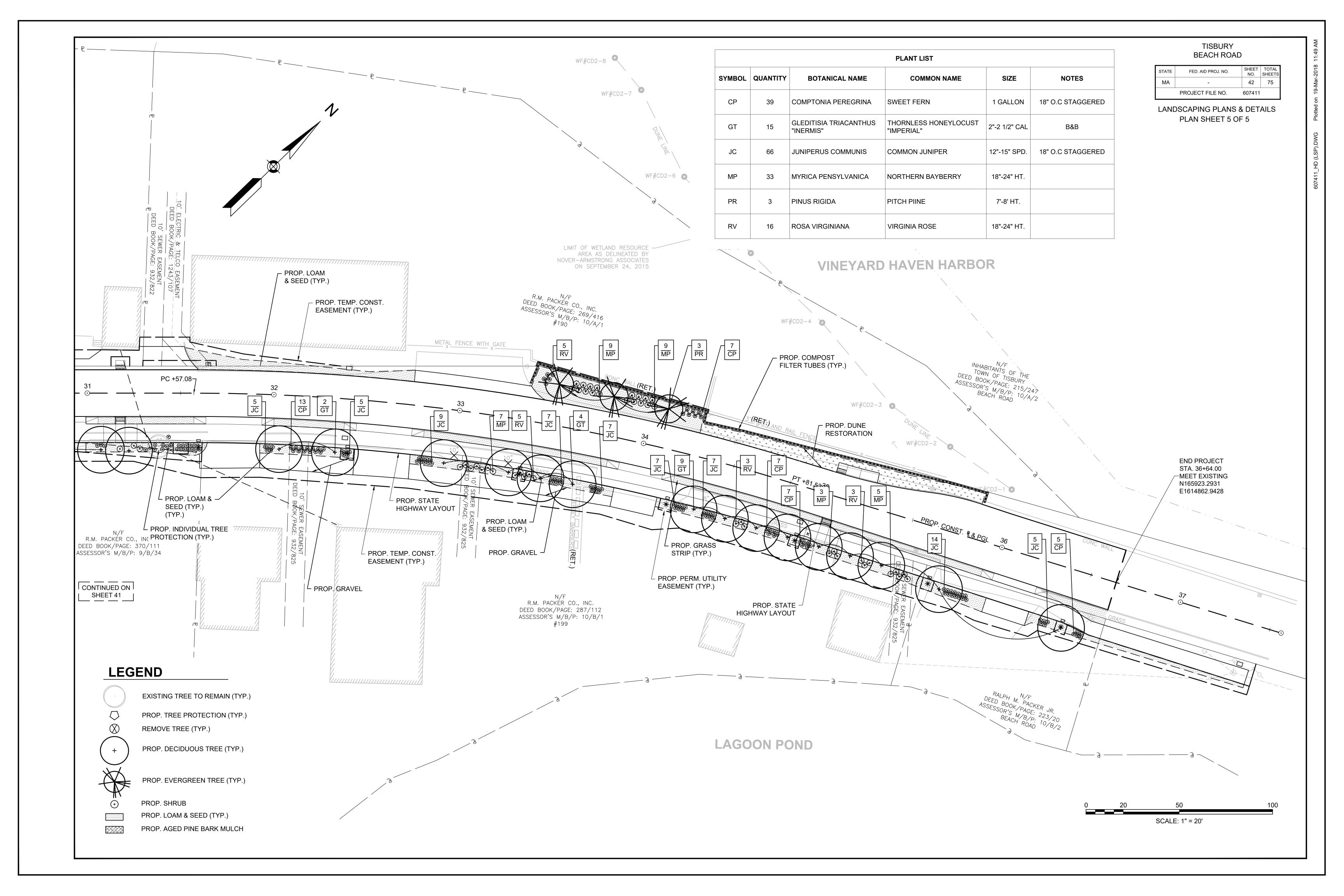










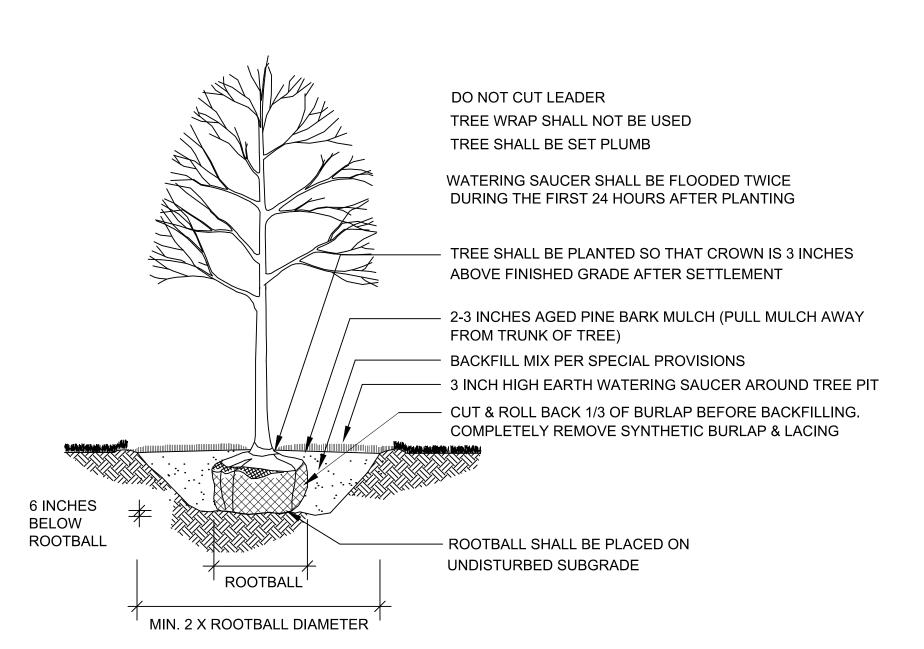


TISBURY BEACH ROAD

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	43	75
	PROJECT FILE NO.	607411	

LANDSCAPING PLANS & DETAILS DETAIL SHEET 1 OF 2

PLAN ⁻	TLIST									
QTY.	ID	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT	SHEET 1	SHEET 2	SHEET 3	SHEET 4	SHEET 5
		TREES								
25	GT	GLEDITISIA TRIACANTHUS "INERMIS"	THORNLESS HONEYLOCUST "IMPERIAL"	2"-2.5" CALIPER		3	2	1	4	15
3	PR	PINUS RIGIDA	PITCH PIINE	7'-8' HT.		-	-	-	-	3
		SHRUBS SHRUBS								
105	СР	COMPTONIA PEREGRINA	SWEET FERN	1 GALLON	18" O.C STAGGERED	-	-	40	26	39
96	JC	JUNIPERUS COMMUNIS	COMMON JUNIPER	12"-15" SPD.		-	-	-	30	66
81	MP	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	18"-24" HT.		-	3	41	4	33
16	RV	ROSA VIRGINIANA	VIRGINIA ROSE	18"-24" HT.		-	-	-	-	16
		GROUNDCOVERS & PERENNIALS								
7	PQ	PARTHENOCISSUS QUINQUEFOLIA	VIRGINA CREEPER	1 GALLON	BASE OF WALL	-	-	-	7	-
		COASTAL BANK PLUGS								
10,875	AB	AMMOPHILIA BREVIGULATA	AMERICAN BEACHGRASS	CULMS	2 PER HOLE, 12" O.C STAGGERED	-	-	10,875	-	-



DECIDUOUS TREE PLANTING NOT TO SCALE

COIR ENVELOPES NOT TO SCALE

PLANTING DETAIL 1. CULMS SHALL BE PLANTED WITH EITHER A "POGO" STYLE PLANTER OR A STRAIGHT BLADE 2. HOLES SHALL BE 8"-10" DEEP TO ALLOW THE LIVING NODE TO REACH DEEPLY INTO THE SAND. 3. TWO CULMS SHALL BE PLACED IN EACH HOLE. 4. SLIDE THE PLANT DOWN THE BLADE WITH THE BLADE IN THE GROUND. PUSH THE RHIZOMES DOWN INTO THE HOLE AS SHOVEL IS LIFTED. 5. HEEL-IN EACH BUNDLE USING THE FOOT OR PALM OF HAND. CHECK FOR FIRMNESS. PLANTS SHOULD WITHSTAND A GENTLE PULL. 6. APPLY FERTILIZATION AS PER SPECIFICATION. MEAN HIGH WATER— STAGGERED SPACING VARIES, SEE PLANTING NOTES & DWGS. DUNE FOREDUNE/BACKSHORE FORESHORE OPEN WATER **SECTION VIEW**

PROP. BEACH NOURISHMENT ----

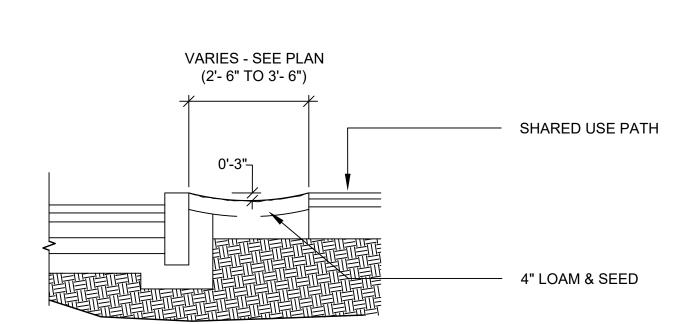
9" x 6' x 80' COIR ENVELOPE. BURY (2) BELOW EXISTING GRADE (TYP.)

9" x 3' x 80' COIR ENVELOPES

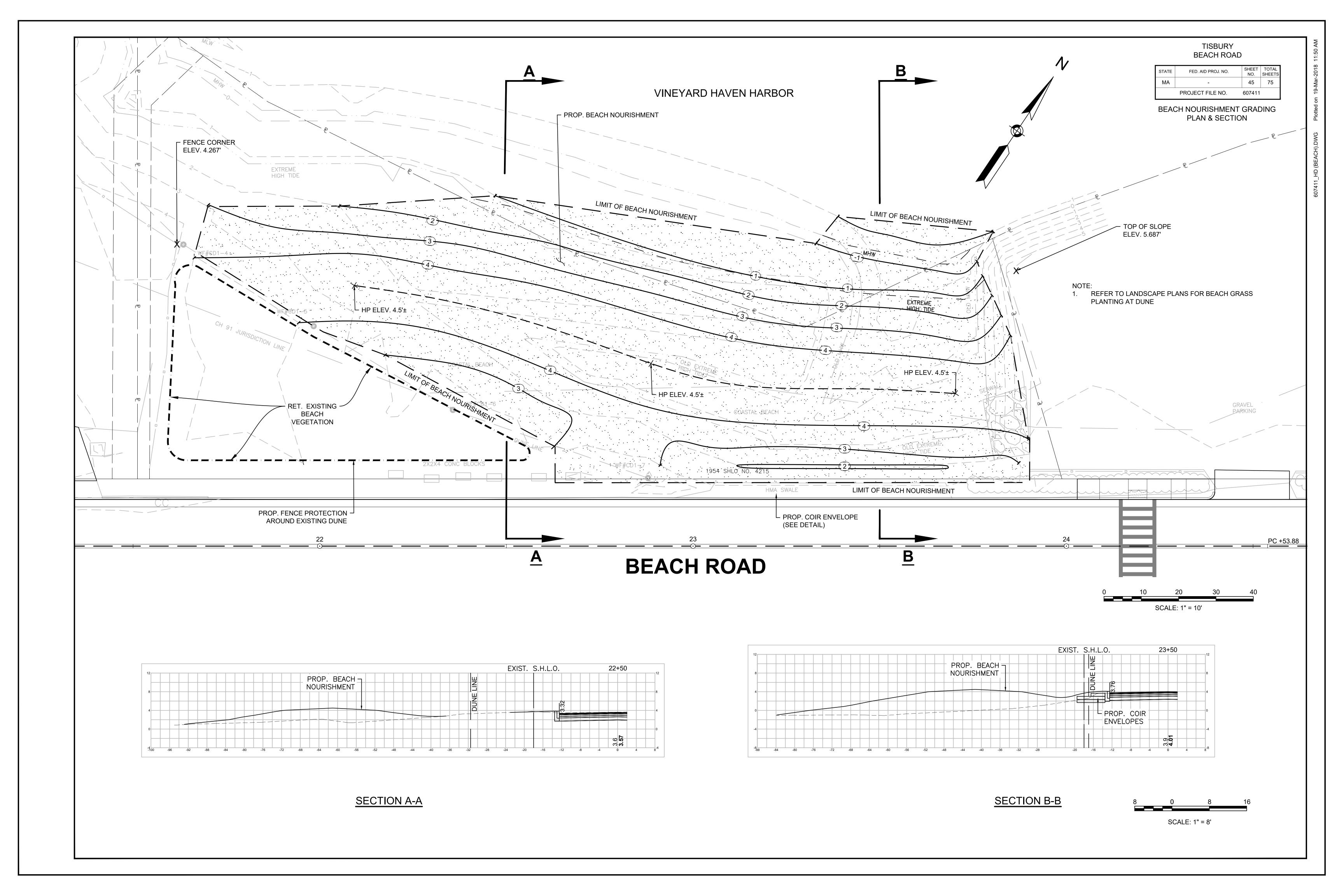
ROADWAY

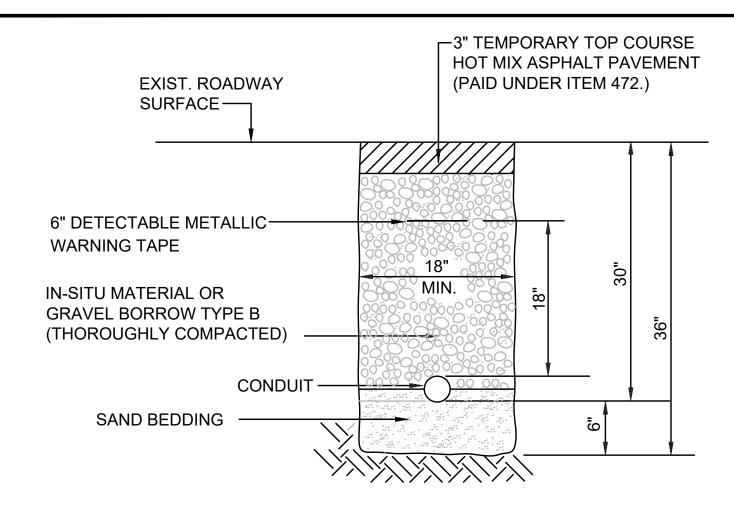
ALL COIR ENVELOPES TO BE STITCHED CLOSED AS PER SPECIFICATION.

CULM PLANTING



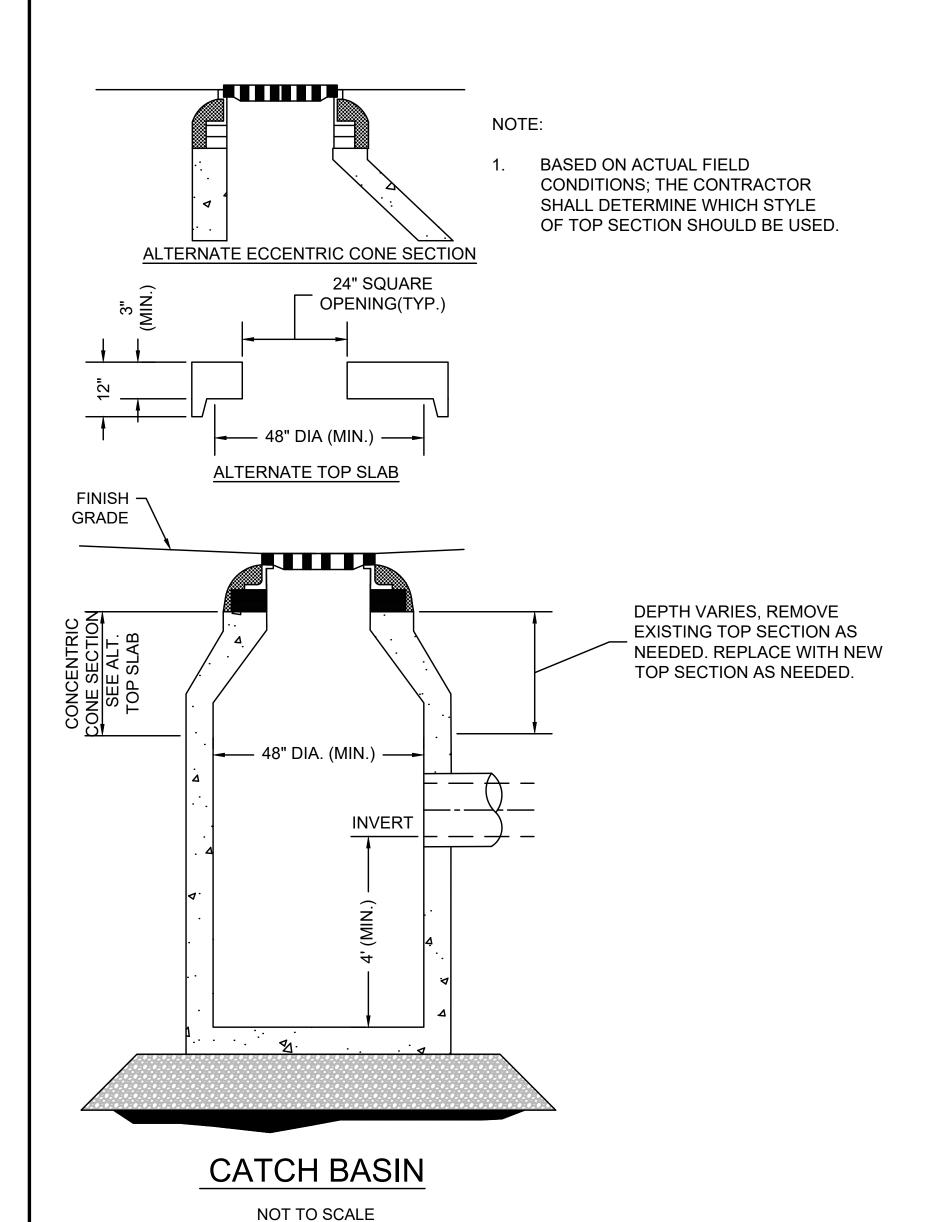


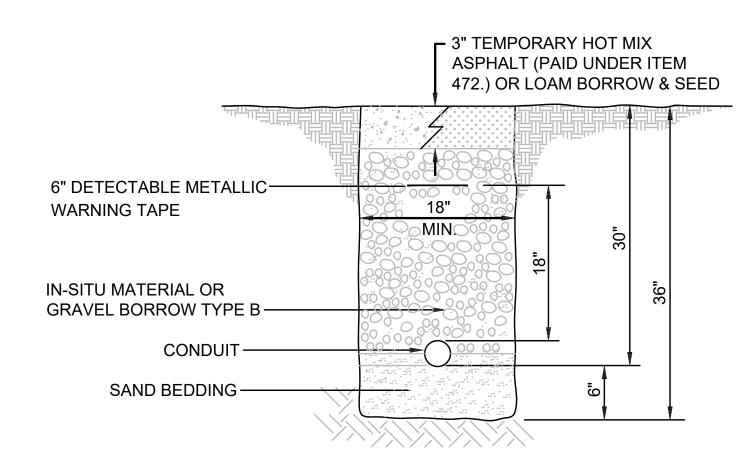




CONDUIT TRENCH DETAIL

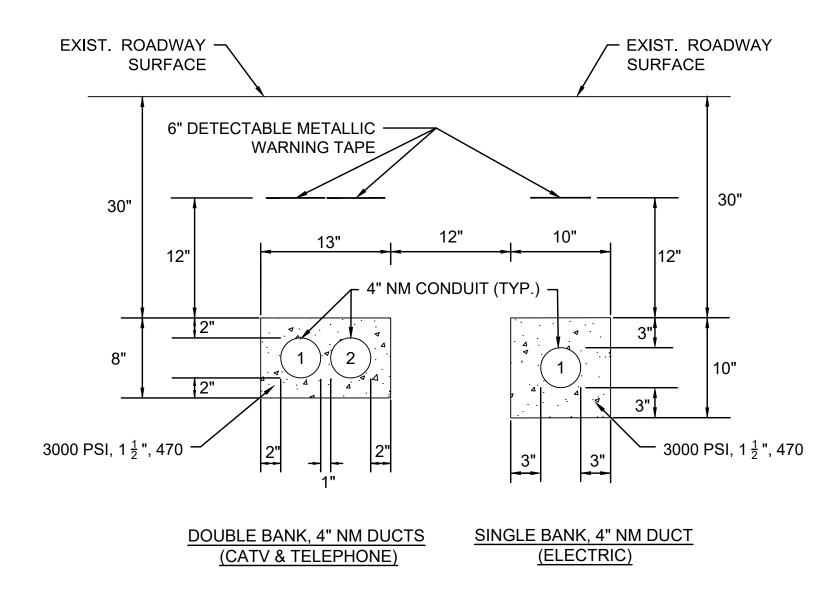
(IN AREAS OF FULL DEPTH PAVEMENT RECONSTRUCTION)
NOT TO SCALE





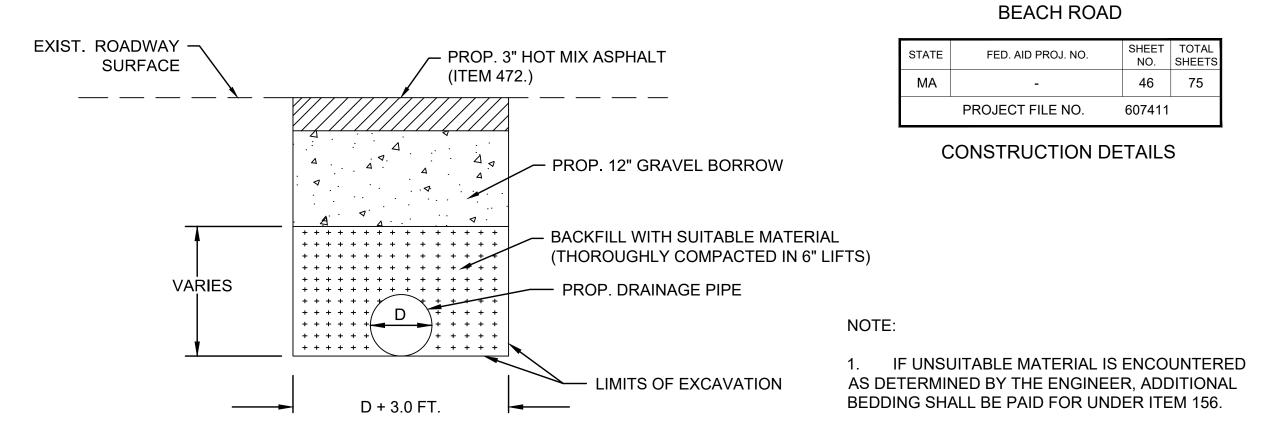
CONDUIT TRENCH DETAIL

(IN SIDEWALK, SHARED-USE PATH OR LANDSCAPE AREAS) NOT TO SCALE



CONCRETE CONDUIT ENCASEMENT

NOT TO SCALE

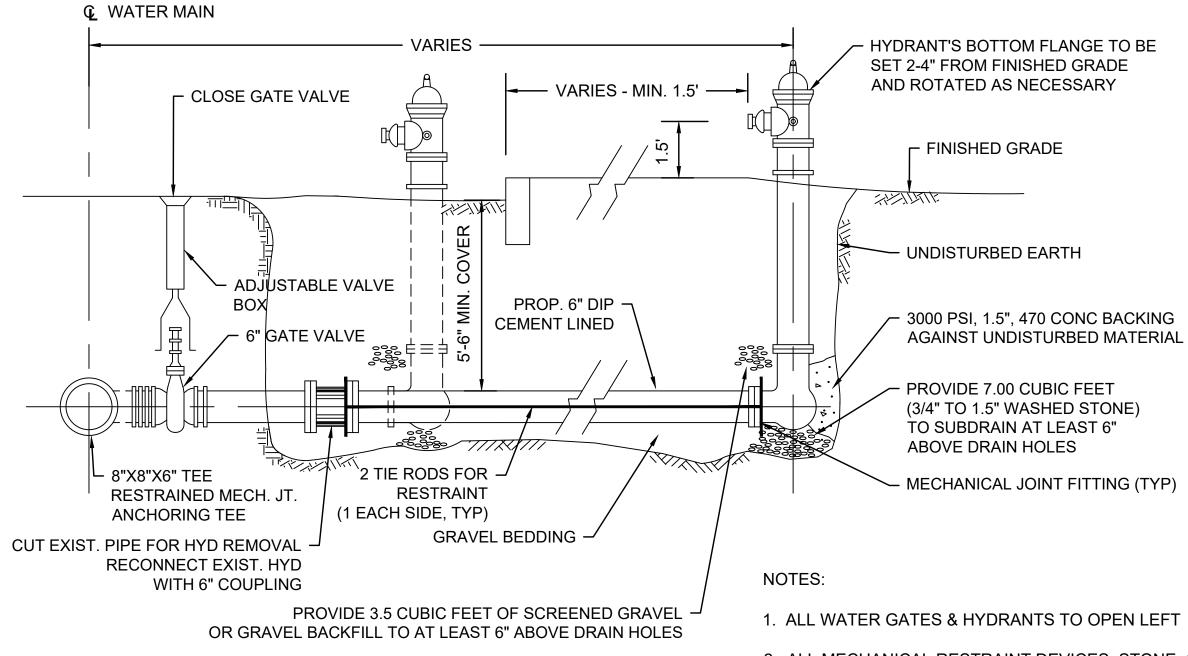


DRAINAGE TRENCH DETAIL

(IN AREAS OF FULL DEPTH PAVEMENT RECONSTRUCTION)
NOT TO SCALE

NOTES:

- ALL CONDUITS ENCASED IN CONCRETE, SHALL USE PLASTIC SPACERS TO MAINTAIN CONDUIT SPACING. SPACERS SHALL MEET UTILITY SPECIFICATIONS FOR DESIGN AND SPACING.
- 2. EACH DUCT BANK SHALL HAVE ASSOCIATED WARNING TAPE INSTALLED. ELECTRIC DUCT BANKS WILL HAVE 6 INCH, COLOR RED AND CATV & TELEPHONE DUCT BANKS WILL HAVE 6 INCH, COLOR ORANGE; DETECTABLE METALLIC WARNING TAPE PLACED 12 INCHES ABOVE EACH CONCRETE ENCASEMENT.
- 3. CONDUITS SHALL BE BLOWN CLEAN USING COMPRESSED AIR. RUN MANDREL THRU EACH CONDUIT TO CONFIRM VIABLE PATHWAY.
- 4. WOVEN POLYESTER MULE TAPE WITH A MINIMUM BREAKING STRENGTH OF 2500 LB. TENSILE STRENGTH SHALL BE INSTALLED WITHIN EACH CONDUIT AND THE ENDS PLUGGED.
- 5. A UTILITY COMPANY REPRESENTATIVE SHALL BE PRESENT TO APPROVE ALL CATV, ELECTRIC, AND TELEPHONE CONDUITS INSTALLED.



HYDRANT INSTALLATION
HYDRANT REMOVED AND RESET
NOT TO SCALE

2. ALL MECHANICAL RESTRAINT DEVICES, STONE, GRAVEL, ETC. NECESSARY TO INSTALL OR REMOVE AND RESET HYDRANTS ARE INCIDENTAL TO ITEM 376.2.

TISBURY

