

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



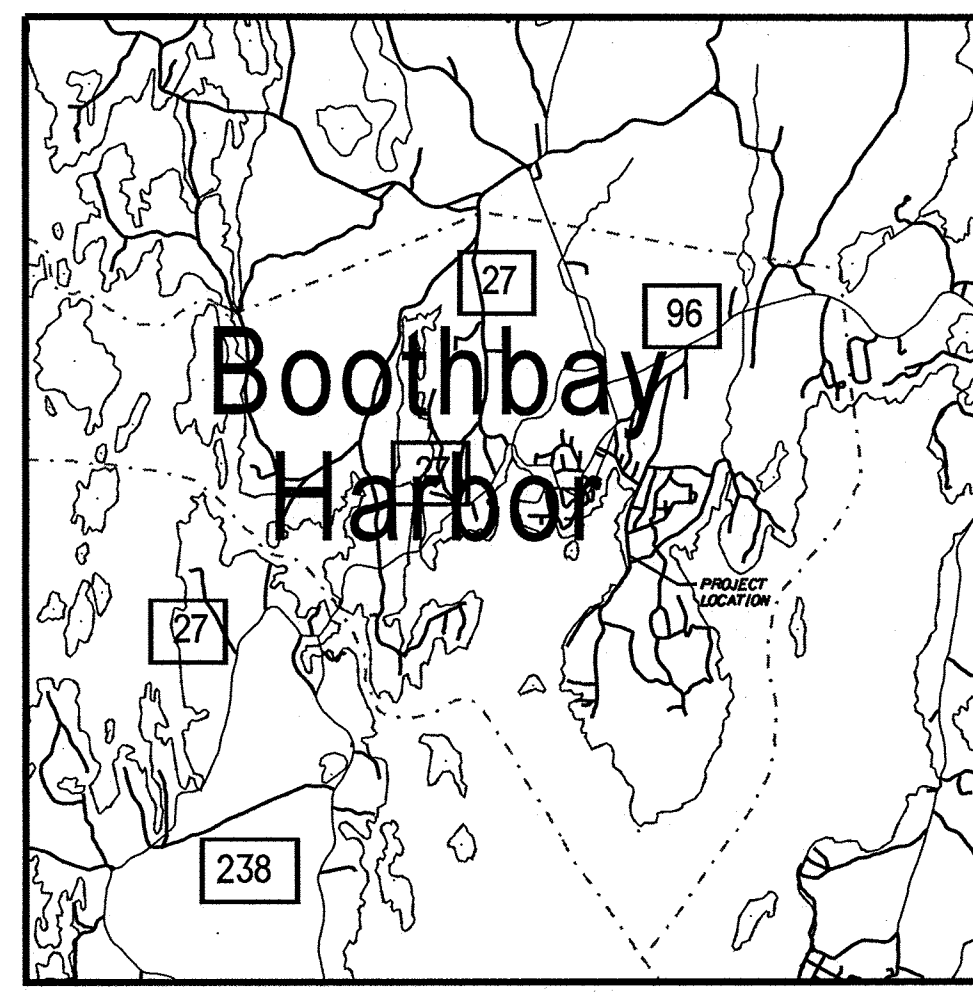
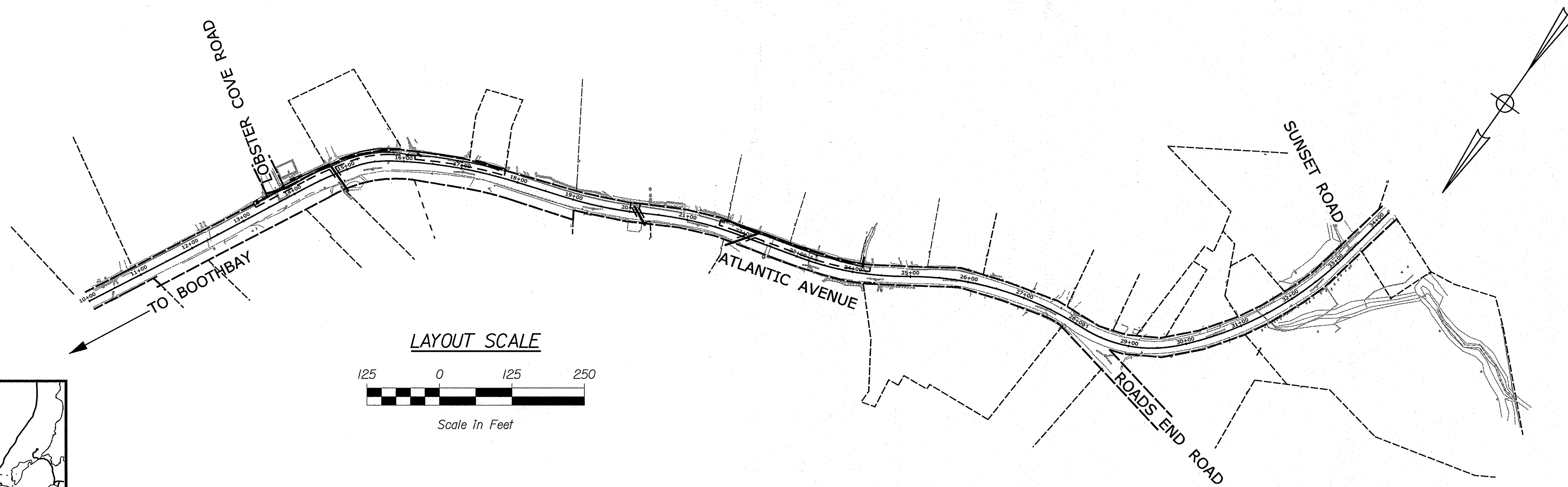
BOOTHBAY HARBOR

**LINCOLN COUNTY
ATLANTIC HIGHWAY
STATE PROJECT NO. 22831.00**

PROJECT LENGTH : 0.21 MILES

PLAN LEGEND	
Town, County, State	-----
Property Lines	-----
R/W Lines-Existing	-----
R/W Lines-Proposed	-----
Culvert-Existing	=====
Culvert Proposed	=====
Curbing Existing	=====
Curbing Proposed	=====
Type 1	=====
Type 3	=====
Type 5	=====
Outline of Bodies of Water	-----
Exposed Bedrock	-----
Buildings	-----
Trees Conifer	-----
Trees Deciduous	-----
Tree Line	-----
Clearing Limit Line	-----
Railroad	-----
Catch Basins	Existing [Symbol] Proposed [Symbol]
Manholes	Existing [Symbol] Proposed [Symbol]
Proposed Underdrain	----->
Proposed Ditch	----->
Existing Ditch	----->
Utility Poles	Existing [Symbol] Proposed [Symbol]
Fire Hydrants	Existing [Symbol] Proposed [Symbol]
Existing Water Line	-----
Existing San. Sewer	-----
Existing San. Sewer Manhole	○
Guardrail-Existing	-----
Guardrail-Proposed	-----
Guardrail-Cable, Other	-----
Centerline-Existing	-----
Centerline-Proposed	-----
Travelway-Existing	-----
Travelway-Proposed	-----
Boring	HB-XXX-###
Pavement Core	PC-#
Test Pit	TP-XXX-###
Probe	P-#.#X
	#.# = Depth
	X = W (Weathered Rock)
	R (Refusal)
	NR (No Refusal)

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TRAFFIC DATA	
Current (2021) AADT	1,410
Future (2041) AADT	1,550
DHV - % of AADT	11%
Design Hour Volume	171
% Heavy Trucks (AADT)	7%
Directional Distribution (DHV)	52%
Design Speed (mph)	25
Functional Class	Minor Collector
Corridor Priority	4

PROJECT LOCATION:	ALONG ATLANTIC AVENUE, BEGINNING AT LOBSTER COVE ROAD AND EXTENDING SOUTHERLY 0.21 MILES
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	CLOSED DRAINAGE IMPROVEMENTS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED: [Signature]
COMMISSIONER: [Signature]
DATE: 2-3-2021
CHIEF ENGINEER: [Signature]

STATE OF MAINE
BRIAN J. JONES
REGISTERED PROFESSIONAL ENGINEER
13864
DATE: 1/15/21

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	DOUGLAS COOMBS
DESIGNER	SHANE KELLY
CONSULTANT	SEBAGO TECHNICS, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 22831.00 STATE PROJECT NO. 22831.00
**BOOTHBAY HARBOR
ATLANTIC AVENUE**
TITLE SHEET

SHEET NUMBER
1
OF 8

Date: 1/14/2021

Username: skelly

Division: HIGHWAY

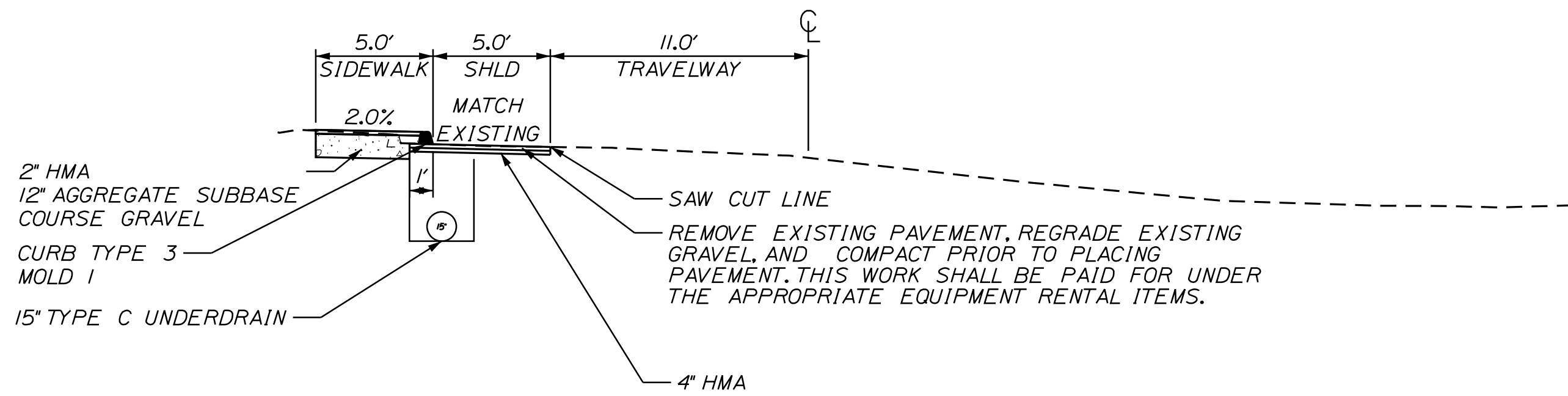
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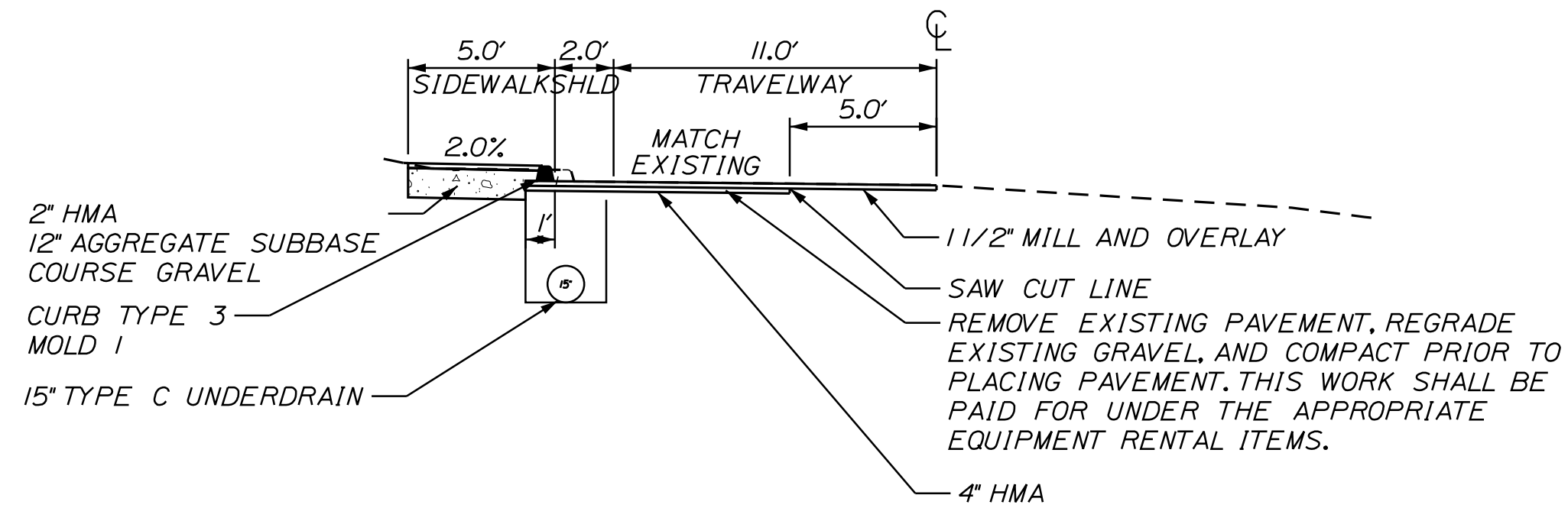
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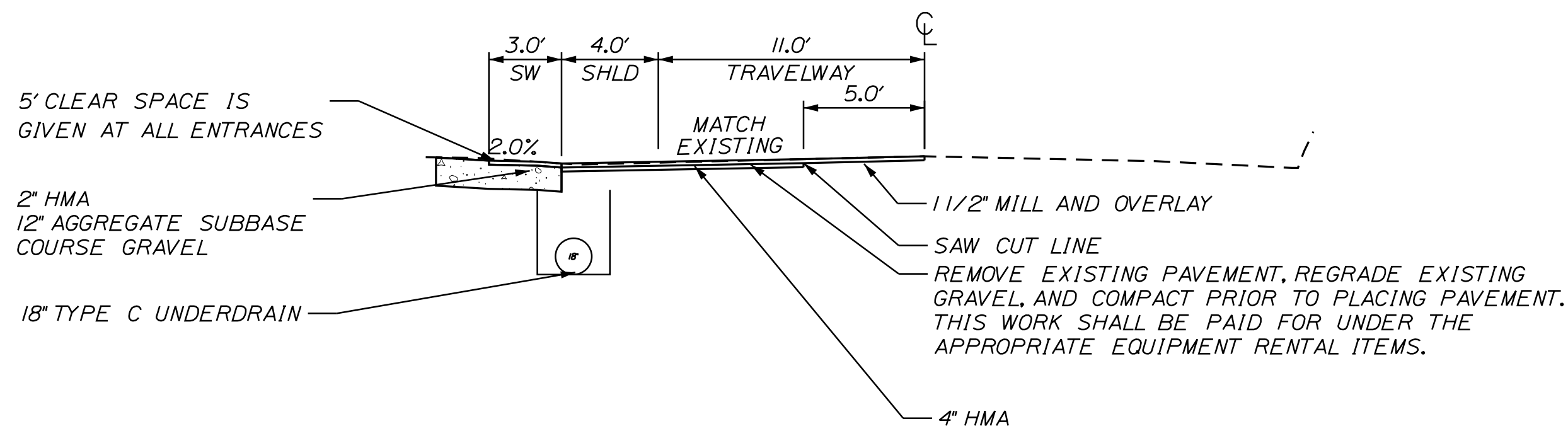
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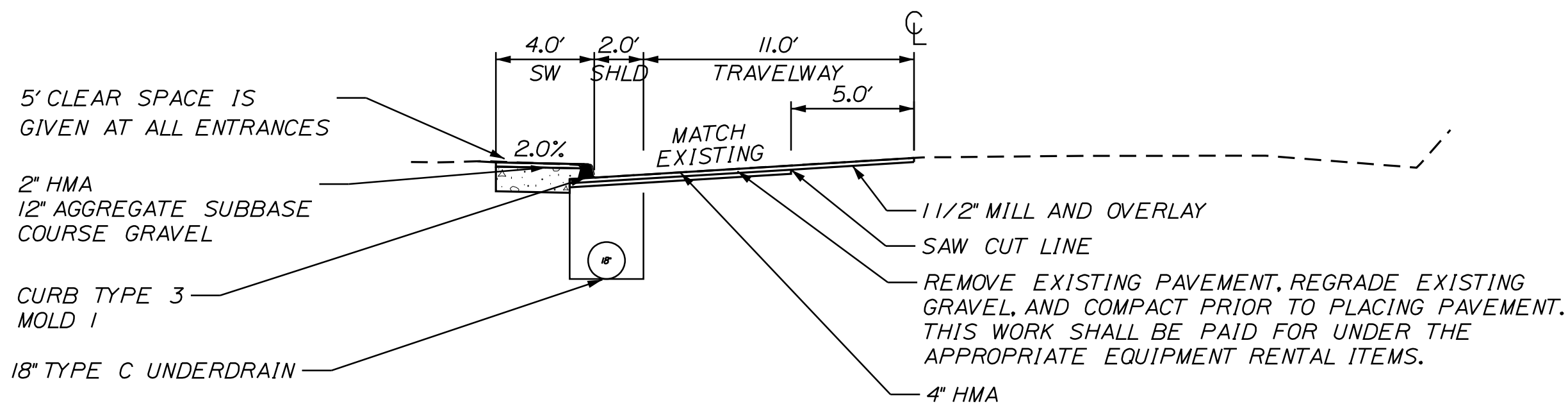
STA. 13+30 TO STA. 16+18



STA. 16+18 TO STA. 17+75



STA. 21+55 TO STA. 23+20



STA. 23+20 TO STA. 24+30

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	230	SY
206.07	STRUCT. ROCK EXCAVATION-DRAINAGE AND MINOR STRUCTURES	25	CY
304.10	AGGREGATE SUBBASE COURSE GRAVEL	65	CY
403.208	HOT MIX ASPHALT 12.5 MM SURFACE	80	TONS
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	65	TONS
403.213	HOT MIX ASPHALT 12.5 MM BASE	105	TONS
409.15	BITUMINOUS TACK COAT APPLIED	40	GAL
603.165	15\" RCP CLASS III	40	LF
603.169	15\" OPTION III PIPE	56	LF
603.179	18\" OPTION III PIPE	108	LF
603.199	24\" OPTION III PIPE	60	LF
604.072	CATCH BASIN TYPE A-C	11	EA
605.12	15\" TYPE C UNDERDRAIN	365	LF
605.13	18\" TYPE C UNDERDRAIN	188	LF
606.64	GUARDRAIL - THRIE BEAM- DOUBLE RAIL (8' LONG POSTS)	137.5	LF
606.72	GUARDRAIL - THRIE BEAM- 15' RADIUS OR LESS (8' LONG POSTS)	25	LF
608.26	CURB DETECTABLE WARNING FIELD	24	SF
608.45	CONSTRUCT SIDEWALK	285	SY
609.31	CURB TYPE 3	444	LF
615.07	LOAM	28	CY
618.13	SEEDING METHOD NUMBER 1	2	UN
619.12	MULCH	2	UN
627.733	4\" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	1205	LF
629.05	HAND LABOR, STRAIGHT TIME	30	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	60	HR
631.14	GRADER (INCLUDING OPERATOR)	20	HR
631.15	ROLLER (EARTH AND BASE OPERATOR)	20	HR
631.172	LARGE TRUCK (INCLUDING OPERATOR)	60	HR
639.19	FIELD OFFICE TYPE B	1	EA
642.15	PRECAST CONCRETE STEPS	1	EA
652.33	DRUM	50	EA
652.34	CONE	100	EA
652.35	CONSTRUCTION SIGN	250	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	70	CD
652.38	FLAGGER	875	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION AND GENERAL CONDITIONS	1	LS
673.10	WET CAST SMALL LANDSCAPE BLOCK WALL	84	SF

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

022831.00
WIN
022831.00
HIGHWAY PLANS

BOOTHBAY HARBOR
ATLANTIC AVENUE
TYPICAL SECTIONS &
ESTIMATED QUANTITIES

SHEET NUMBER
2
OF 8

PROJ. MANAGER	BY	DATE
D. COOMBS	S. KELLY D. COOMBS	07/14/21 07/14/21

CHECKED-REVIEWED	DESIGN-REVIEWED	DESIGNS DETAILED	DESIGNS DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

SIGNATURE	P.E. NUMBER	DATE

GENERAL NOTES

1. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL
2. CLEARING LIMITS SHALL BE 10 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.
3. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
4. PRIOR TO REMOVING ANY PAVEMENT OR PLACING ANY SHIM PAVEMENT, THE ROADWAY WILL BE INSPECTED FOR POSSIBLE SUBSURFACE BOULDERS, WHICH WILL BE REMOVED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT RENTAL ITEMS. BACKFILL WILL BE PLACED TO SUBGRADE WITH MATERIAL CONSISTENT WITH THE SURROUNDING MATERIAL. AGGREGATE SUBBASE COURSE - GRAVEL WILL BE PLACED FROM SUBGRADE TO FINISH GRADE AND WILL BE PAID UNDER THE APPROPRIATE ITEM.
5. WHERE DEEMED NECESSARY BY THE RESIDENT, UNSUITABLE EXCESS MATERIAL SHALL BE REMOVED FROM THE EDGES OF SHOULDERS AND PLACED IN DESIGNATED AREAS OR DISPOSED OF. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.
6. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.
7. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT.
8. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.
9. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
10. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1 FOOT ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19, GRANULAR BORROW.
11. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2 INCHES HOT MIX ASPHALT AND 12 INCHES AGGREGATE SUBBASE COURSE - GRAVEL.
12. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3 INCHES HOT MIX ASPHALT AND 11 INCHES AGGREGATE SUBBASE COURSE - GRAVEL.
13. ALL PAVED WALKS TO BE CONSTRUCTED WITH 12 INCHES AGGREGATE SUBBASE COURSE - GRAVEL AND 2 INCHES HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
14. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
15. WHEN SUPER ELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER WILL HAVE SAME SLOPE AS THE TRAVELWAY.
16. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
17. THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
18. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
 - A. ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
 - B. ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
 - C. ALL DITCHING AT PIPE ENDS
 - D. FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL).
 - E. ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES
 - F. EXISTING FLOW LINES MAY BE CHANGED BY UP TO 1.5 FEET
 - G. ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES WITHIN 10 FEET OF CULVERT ENDS
 - H. AN 18 INCH WIDE STRIP OF NON-WOVEN GEO-TEXTILE MEETING THE REQUIREMENTS OF 620.5B SHALL BE PLACED OVER ALL RCP JOINTS
19. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
20. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
21. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 604, MANHOLES, INLETS AND CATCH BASINS.
22. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
23. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.
24. HOLES CREATED BY GUARDRAIL REMOVAL WILL BE FILLED AND COMPACTED WITH APPROVED MATERIALS AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS 606, GUARDRAIL.
25. ALL EXISTING GUARDRAIL SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.
26. TWO REFLECTORIZED FLEXIBLE G.R. MARKERS (ITEM 606.353) WILL BE INSTALLED AT EACH GUARDRAIL END.
27. DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT EACH END OF A RUN OF BITUMINOUS CURB.
28. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER AREAS.
29. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.
30. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT, BOTH YELLOW CENTERLINE AND WHITE EDGE LINES AND WILL BE CONSIDERED PART OF ITEM 627.733.
31. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT
32. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
33. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
34. AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
35. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
36. STATIONS REFERENCED ARE APPROXIMATE.
37. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
38. ALL HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES SHALL BE 9.5 MM OR 12.5 MM MAINEDOT APPROVED MIX DESIGN. EXCLUDING WATER AND GAS GATE VALVES, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT FOR THE PATCH AT LEAST TWO FEET AWAY FROM THE NEAREST EDGE OF THE STRUCTURE. THE CONTRACTOR SHALL PLACE HMA IN LIFTS OF 2 INCHES OR LESS, AS DIRECTED BY THE RESIDENT, AND COMPACT THE HMA USING A MINIMUM OF A 150-POUND PLATE COMPACTOR. HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES IS CONSIDERED INCIDENTAL TO THE RESPECTIVE PAY ITEM FOR ADJUST, ALTER, OR REBUILT UTILITY STRUCTURE.
39. THE PROJECT GEOTECHNICAL REPORT TITLED "GEOTECHNICAL DATA REPORT FOR CLOSED DRAINAGE IMPROVEMENTS ON ATLANTIC AVENUE", SOILS REPORT 2021-02, JANUARY 14, 2020 CAN BE ACCESSED AT THE MAINEDOT WEBSITE [HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/](http://www.maine.gov/mdot/contractors/).
40. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINEDOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY) PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.
41. THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) HAS REPORTED SPILLS AND RELEASES INVOLVING PETROLEUM PRODUCTS ADJACENT TO THE PROJECT. IN PARTICULAR, THE VICINITY OF A CULVERT REPLACEMENT AT ROUGHLY MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STATION 14+00 TO ROUGHLY MAINEDOT STATION 17+50 LEFT OF CENTER, BASED ON THE SCOPE OF WORK PRESENTED, AVAILABLE DATA SUGGEST THAT THIS CONTAMINATION MAY ONLY BE ADJACENT TO THE IMMEDIATE AREAS OF ANY EXCAVATION PROPOSED BY THE MAINEDOT. HOWEVER, IN LIGHT OF MDEP'S FINDING, THE CONTRACTOR SHALL EMPLOY APPROPRIATE HEALTH AND SAFETY MEASURES TO PROTECT ITS WORKERS AGAINST HAZARDS ASSOCIATED WITH WORKING NEAR PETROLEUM-IMPACTED SOILS. FURTHERMORE, THE CONTRACTOR SHALL REMAIN ALERT FOR ANY ADDITIONALLY EVIDENCE OF CONTAMINATION. IF THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL SECURE THE EXCAVATION, STOP WORK IN THE CONTAMINATED AREA, AND IMMEDIATELY NOTIFY THE RESIDENT. THE RESIDENT SHALL CONTACT THE SENIOR GEOLOGIST IN MAINEDOT'S ENVIRONMENTAL OFFICE (MAINEDOT-ENV) AT 207-624-3100 AND THE MDEP AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

022831.00
WIN
022831.00

HIGHWAY PLANS

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	07/14/21	S. KELLY	07/14/21			
CHECKED-REVIEWED		D. COOMBS				
DESIGN-DETAILED						
DESIGN-DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

BOOTHBAY HARBOR
ATLANTIC AVENUE
GENERAL NOTES

SHEET NUMBER

3

OF 8

Date: 1/14/2021

Username: skelly

Division: HIGHWAY

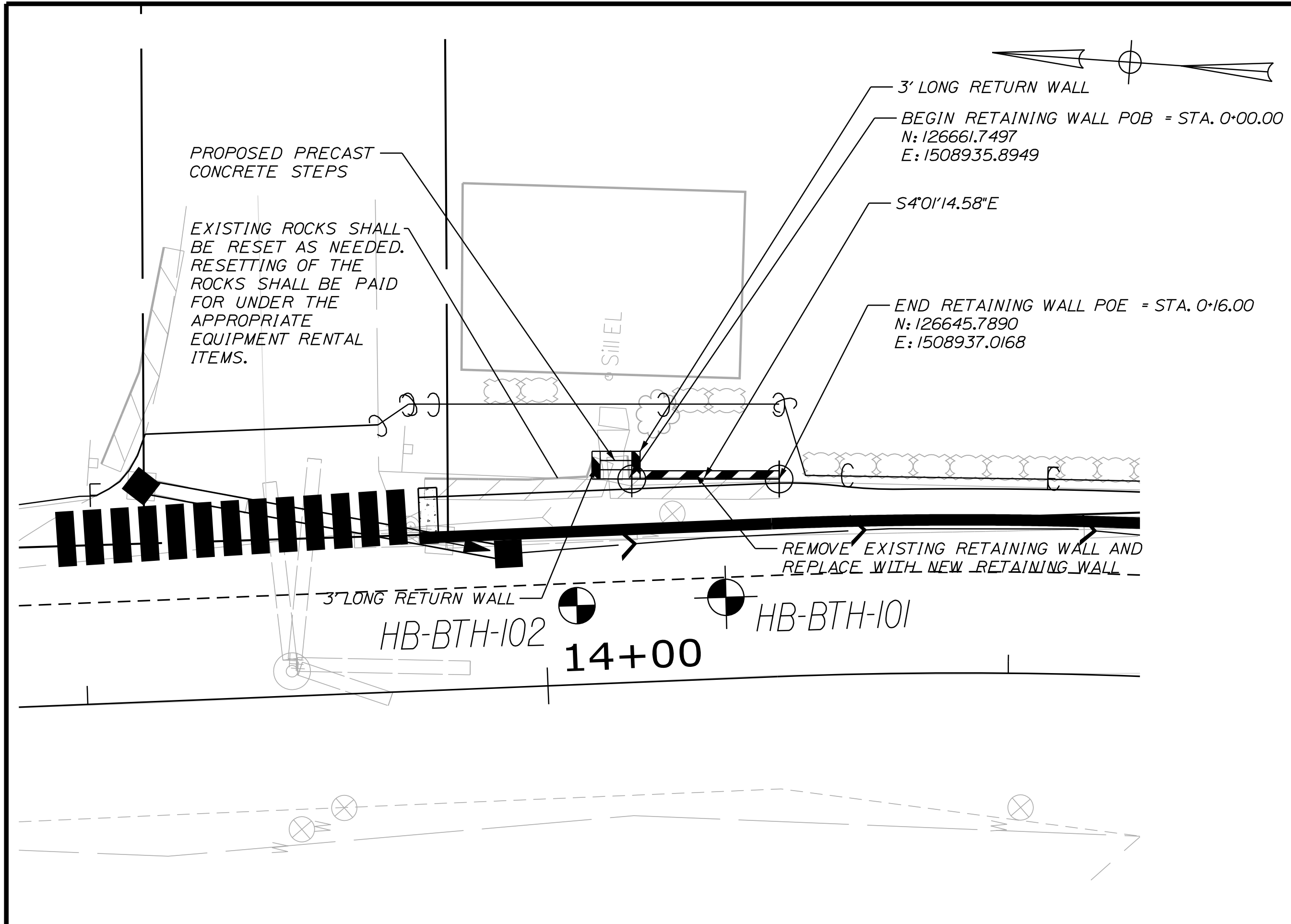
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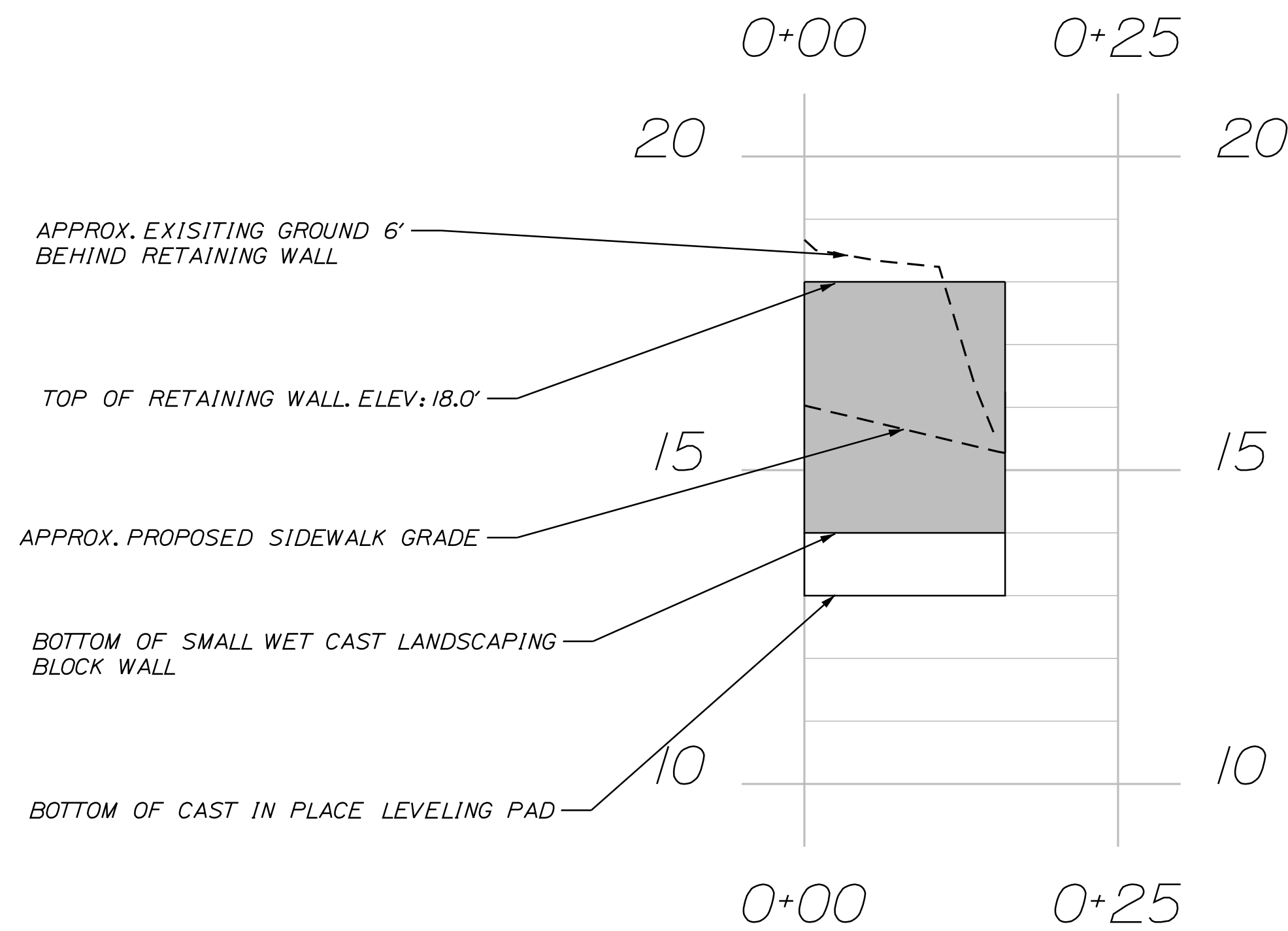
Division: HIGHWAY

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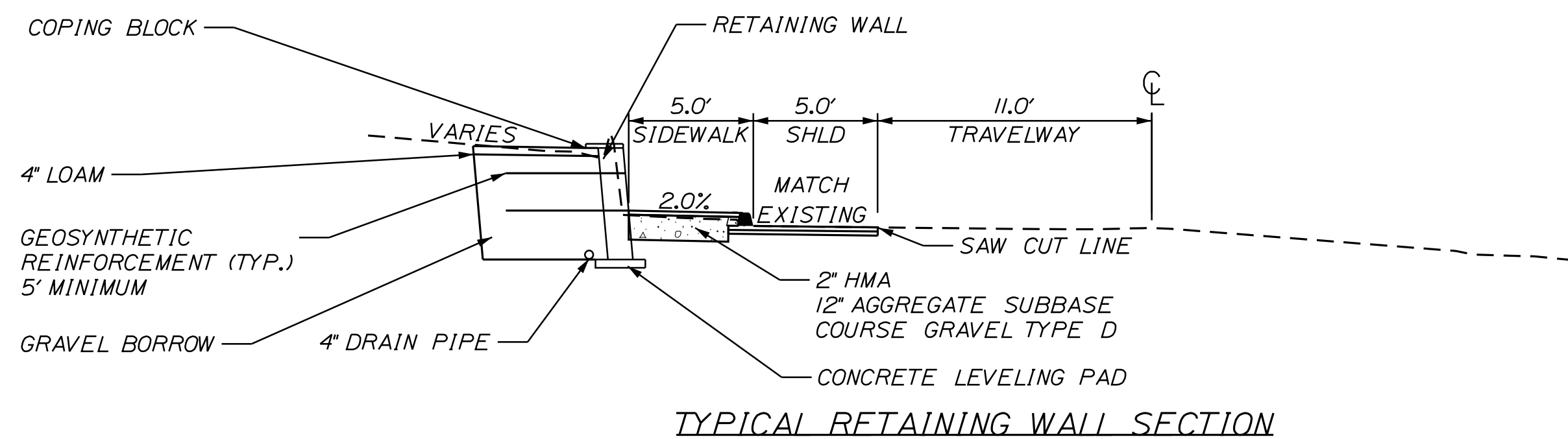


RETAINING WALL NOTES:

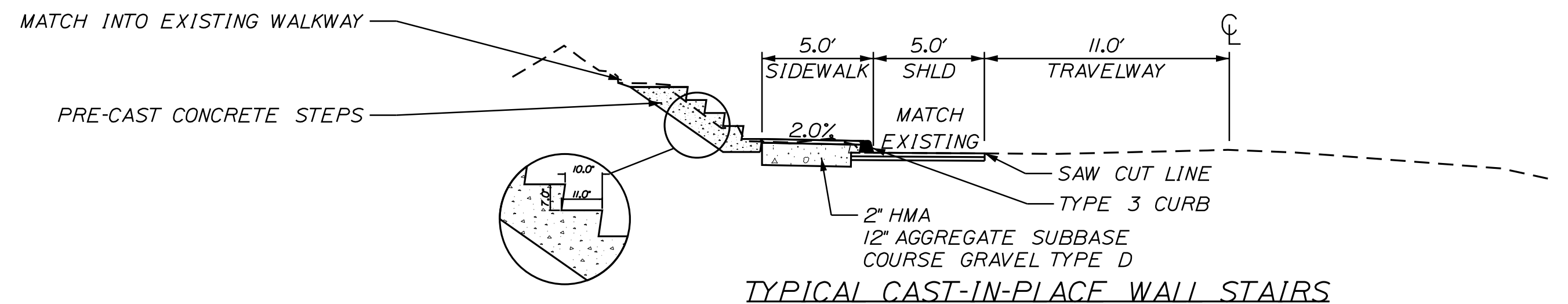
1. THE CONTRACTOR SHALL DESIGN AND FURNISH A WET CAST SMALL LANDSCAPE BLOCK WALL IN ACCORDANCE WITH STANDARD SPECIFICATION 673 AND SPECIAL PROVISION 673. THE WET CAST SMALL LANDSCAPE BLOCK WALL SHALL BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE AND SUBMITTED TO THE RESIDENT FOR REVIEW. PLAN DETAILS ARE SHOWN FOR ESTIMATING PURPOSES ONLY.
2. THE WET CAST SMALL LANDSCAPE BLOCK WALL SHALL BE AN APPROVED SYSTEM FROM THE MAINEDOT QUALIFIED PRODUCTS LIST THAT MEETS THE REQUIREMENTS OF STANDARD SPECIFICATION 673.
3. BACKFILL AND FOUNDATION SOIL PARAMETERS FOR USE IN THE SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION 673.
4. FOR THE STRENGTH LIMIT STATE THE APPLIED FACTORED BEARING RESISTANCE FOR THE WET CAST SMALL LANDSCAPE BLOCK WALL BEARING ON NATIVE SOILS SHALL NOT EXCEED 3.5 KSF. FOR THE SERVICE LIMIT STATE THE APPLIED FACTORED BEARING RESISTANCE FOR THE WET CAST LANDSCAPE BLOCK WALL BEARING ON NATIVE SOILS SHALL NOT EXCEED 5.0 KSF.
5. ALL EXPOSED BLOCK FACES SHALL BE FINISHED TO MATCH THE WALL FACE.
6. PIPE DRAINAGE SHALL BE INCLUDED IN THE DESIGN OF THE WALLS. WALL DRAINAGE WILL BE INCIDENTAL TO THE CONSTRUCTION OF THE WALL.
7. A MINIMUM EMBEDMENT DEPTH OF 2.0 FEET IS REQUIRED FOR CONSTRUCTION OF THE WET CAST LANDSCAPE BLOCK WALL.
8. RETAINING WALL ELEVATION DRAWN FACING RIGHT OF CENTERLINE DOWN STATION TO RIGHT AND UP STATION TO LEFT.
9. END OF COPING NOT SHOWN ON PLAN AND ELEVATION VIEWS.
10. PLAN VIEW WALL BATTER NOT SHOWN.
11. CONSULT SUPPLIERS CHARTS TO DETERMINE MINIMUM BOTTOM COURSE RADIUS.
12. ACTUAL WALL ALIGNMENT AND LIMITS TO BE DETERMINED IN THE FIELD.
13. EXISTING RETAINING WALL TO BE EXCAVATED DOWN TO A MINIMUM OF 2.4 FEET BELOW FINISHED SIDEWALK GRADE. A MINIMUM 4 INCH THICK LEVELING PAD SHALL BE PLACED ON THE EXISTING RETAINING WALL PORTION TO REMAIN (IF ANY) IN AREAS WHERE THE EXISTING AND PROPOSED WALLS COINCIDE.
14. THE FACE QUANTITY OF WET CAST SMALL LANDSCAPE BLOCK WALL WILL BE APPROVED BY APPROVAL OF THE SHOP DRAWINGS.
15. UTILITY POLES AND/OR OTHER FACILITIES REQUIRED WITHIN THE WALL LIMITS SHALL NOT BE DRIVEN OR AUGURED THROUGH GEOSYNTHETIC REINFORCEMENT. THE IMPACT OF UTILITY POLES AND/OR OTHER FACILITIES ON WALL REINFORCEMENT SHALL BE ADDRESSED IN THE WALL DESIGN SUBMITTAL.
16. THE CONTRACTOR SHALL DESIGN AND FURNISH HANDRAILS FOR ALL STAIRS AT THE RETAINING WALLS. THE DESIGN SHALL MEET THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. THE HANDRAIL DESIGN SHALL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW AND ACCEPTANCE.
17. LOCATION OF EXISTING AND PROPOSED UTILITIES ARE APPROXIMATE. SEE CROSS SECTIONS OFR ADDITIONAL INFORMATION.
18. PROPOSED ELEVATIONS ARE ASSUMED BASED ON BLOCK DIMENSIONS OF 18"W X 6"H. ACTUAL ELEVATIONS MAY VARY DEPENDING UPON ACTUAL DIMENSIONS.
19. COMMON EXCAVATION INCLUDED IN THE ESTIMATE IS FOR NECESSARY EXCAVATION OF THE SIDEWALK ONLY. EXCAVATION REQUIRED BEHIND THE PROPOSED WALL LOCATION WILL BE CONSIDERED INCIDENTAL TO ITEM 673.10 - WET CAST SMALL LANDSCAPE BLOCK WALL.
20. ANY DAMAGE TO THE EXISTING TRAVELWAY OR SHOULDER CAUSED BY THE CONTRACTOR'S WORK OR EQUIPMENT SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT AT THE CONTRACTOR'S EXPENSE.



RETAINING WALL ELEVATION



TYPICAL RETAINING WALL SECTION



TYPICAL CAST-IN-PLACE WALL STAIRS

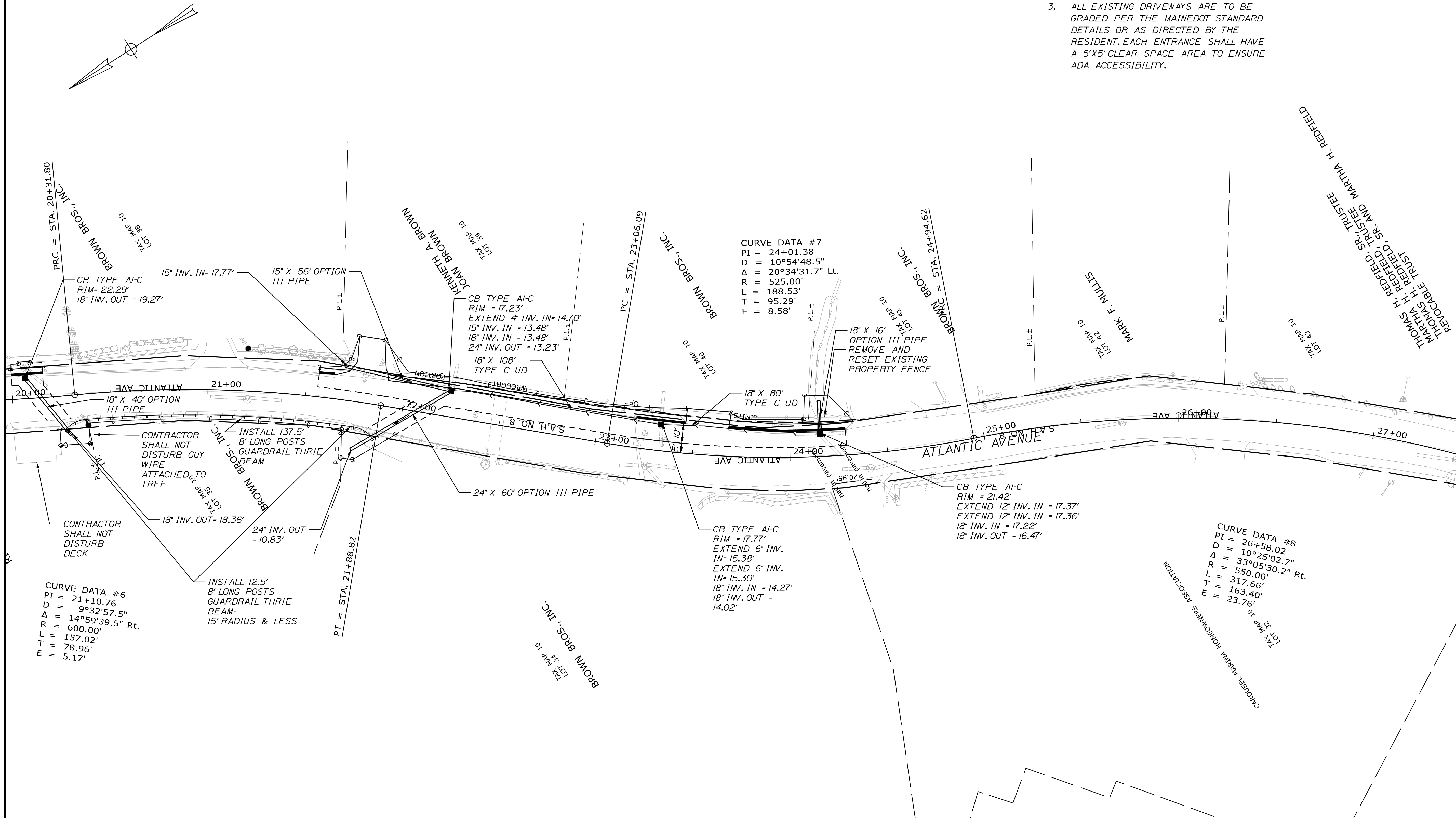
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

022831.00
WIN
22831.00
HIGHWAY PLANS

PROJ. MANAGER	D. COOMBS	BY	S. KELLY D. COOMBS	DATE	07/14/21 07/14/21
DESIGN DETAILED		CHECKED/REVIEWED		DESIGNED	
DESIGN DETAILED		DESIGN DETAILED		DESIGN DETAILED	
REVISIONS 1		REVISIONS 2		REVISIONS 3	
REVISIONS 4		REVISIONS 5		REVISIONS 6	
FIELD CHANGES					

BOOTHBAY HARBOR
ATLANTIC AVENUE
RETAINING WALL DETAILS

SHEET NUMBER
4
OF 8



- NOTES:
1. ALL EXISTING CB'S AND DRAINAGE PIPES SHALL BE REMOVED WHERE NEW DRAINAGE IS PROPOSED. THIS SHALL BE CONSIDERED INCIDENTAL TO 603 AND 604 ITEMS.
 2. THE INTENT IS TO MATCH EXISTING INVERTS AS CLOSE AS POSSIBLE TO MINIMIZE ROCK EXCAVATION. THE CONTRACTOR SHALL CHECK EXISTING INVERT ELEVATIONS AND REPORT BACK TO THE DEPARTMENT PRIOR TO FABRICATION OF STRUCTURES.
 3. ALL EXISTING DRIVEWAYS ARE TO BE GRADED PER THE MAINE DOT STANDARD DETAILS OR AS DIRECTED BY THE RESIDENT. EACH ENTRANCE SHALL HAVE A 5'X5' CLEAR SPACE AREA TO ENSURE ADA ACCESSIBILITY.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		022831.00	
BOOTHBAY HARBOR ATLANTIC AVENUE DRAINAGE AREA #2		WIN 22831.00 HIGHWAY PLANS	
PROJ. MANAGER	D. COOMBS	BY	DATE
DESIGN/DETAILED	S. KELLY	07/14/21	SIGNATURE
CHECKED/REVIEWED	D. COOMBS	07/14/21	P.E. NUMBER
DESIGNS/DETAILED			DATE
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SHEET NUMBER		6	
		OF 8	

Town, County, State _____
 Approx. Property Lines _____
 Existing Right of Way _____
 Limits of Wrought Portion _____
 Control Of Access _____
 New Right of Way _____
 New Easement _____
 New Temporary Rights _____
 New R/W Within Existing R/W _____

New R/W Along Existing R/W _____
 Building _____
 Trees Conifer _____
 Tree Line _____
 Water Edge _____
 Ledge _____
 Fence _____
 Sign _____

Clearing Limit Line _____
 Deciduous _____
 Bush Line _____
 Rock/Boulder _____
 Flag Pole _____
 BARB WIRE _____
 STOCKADE _____
 WELL _____
 Mailbox _____

PLAN LEGEND
 Existing _____ Proposed _____
 Sanitary Sewer _____
 Telephone Line _____
 Electric Line _____
 Water Line _____
 Underdrain Line _____
 Gas Line _____
 Guardrail _____
 Culvert _____
 Traveled Way _____
 Ditch _____
 Catch Basin _____
 Manhole _____
 Sewer Manhole _____
 Utility Pole _____
 Fire Hydrant _____
 Curbing _____

Cut Line _____
 Stonewall _____
 Baseline _____
 Monument _____
 Iron Rod Found _____
 Replacement Pin Set _____
 Fill Line _____
 Retaining Wall _____
 Traverse Point _____
 Pipe Found _____

STATE OF MAINE
 REGISTRY OF DEEDS
 COUNTY _____
 RECEIVED _____, 20____
 at _____ h _____ m _____ M and recorded in
 Plan Book _____, Page _____
 Attest: _____ REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S
 ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES.
 IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN
 ADJUTING PROPERTY OWNERS.

25 0 25 50 75 100
 Scale of Feet

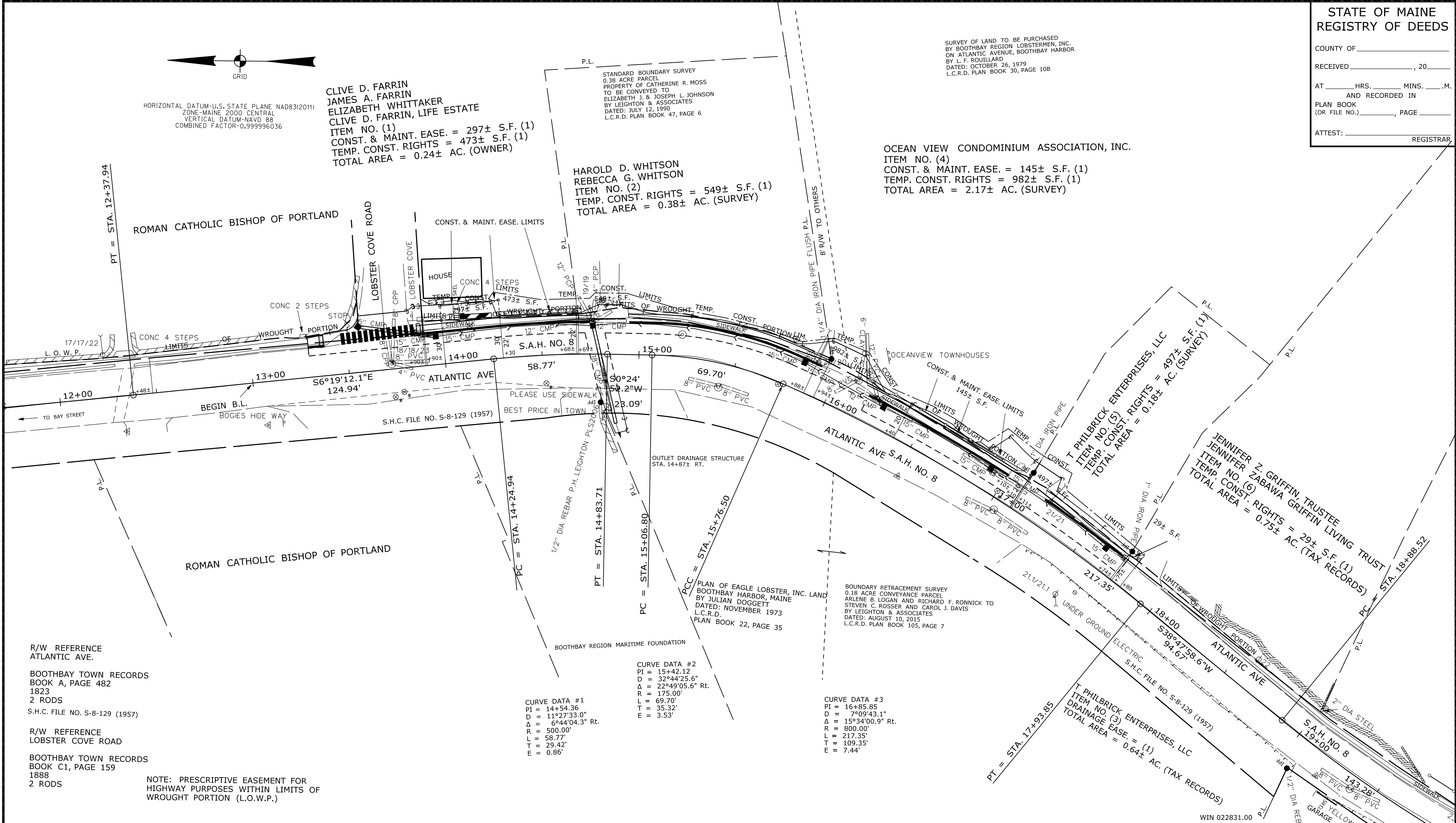
HORIZONTAL DATUM-U.S. STATE PLANE NAD83(2011)
 ZONE-MAINE 2000 CENTRAL
 VERTICAL DATUM-NAVD 88
 COMBINED FACTOR-0.999996036

CLIVE D. FARRIN
 JAMES A. FARRIN
 ELIZABETH WHITTAKER
 CLIVE D. FARRIN, LIFE ESTATE
 ITEM NO. (1)
 CONST. & MAINT. EASE. = 297± S.F. (1)
 TEMP. CONST. RIGHTS = 473± S.F. (1)
 TOTAL AREA = 0.24± AC. (OWNER)

HAROLD D. WHITSON
 REBECCA G. WHITSON
 ITEM NO. (2)
 TEMP. CONST. RIGHTS = 549± S.F. (1)
 TOTAL AREA = 0.38± AC. (SURVEY)

OCEAN VIEW CONDOMINIUM ASSOCIATION, INC.
 ITEM NO. (4)
 CONST. & MAINT. EASE. = 145± S.F. (1)
 TEMP. CONST. RIGHTS = 982± S.F. (1)
 TOTAL AREA = 2.17± AC. (SURVEY)

STATE OF MAINE
 REGISTRY OF DEEDS
 COUNTY OF _____
 RECEIVED _____, 20____
 AT _____ HRS. _____ MINS. _____ M.
 AND RECORDED IN
 PLAN BOOK _____, PAGE _____
 ATTEST: _____ REGISTRAR



Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	D.W.B.	
FINAL RIGHT OF WAY	D.W.B.	
AREAS	D.W.B.	P.N.S.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460
 BOOTHBAY HARBOR
 RIGHT OF WAY MAP

NO.	DATE	REVISIONS DESCRIPTION	BY	PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD				BRUCE A. VAN NOTE	
				NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	COND.	DATE		BOOK

BRUCE A. VAN NOTE
 COMMISSIONER
 JOYCE NOEL TAYLOR
 CHIEF ENGINEER
 DATE _____

STATE AID HIGHWAY NO. 8
 ATLANTIC AVENUE
 BOOTHBAY HARBOR LINCOLN COUNTY
 STATE PROJECT NO. 22831.00
 AUGUST 2019
 SCALE 1" = 25'

SHEET NUMBER
 7
 OF 8

Town, County, State _____
 Approx. Property Lines _____
 Existing Right of Way _____
 Limits of Wrought Portion _____
 Control Of Access _____
 New Right of Way _____
 New Easement _____
 New Temporary Rights _____
 New R/W Within Existing R/W _____

New R/W Along Existing R/W _____
 Building _____
 Trees Conifer _____
 Deciduous _____
 Tree Line _____
 Bush Line _____
 Water Edge _____
 Ledge _____
 Fence CHAIN LINK _____
 Sign _____
 Clearing Limit Line CLL _____
 Rock/Boulder _____
 Flag Pole _____
 BARB WIRE _____
 STOCKADE _____
 WELL _____
 Mailbox _____

PLAN LEGEND

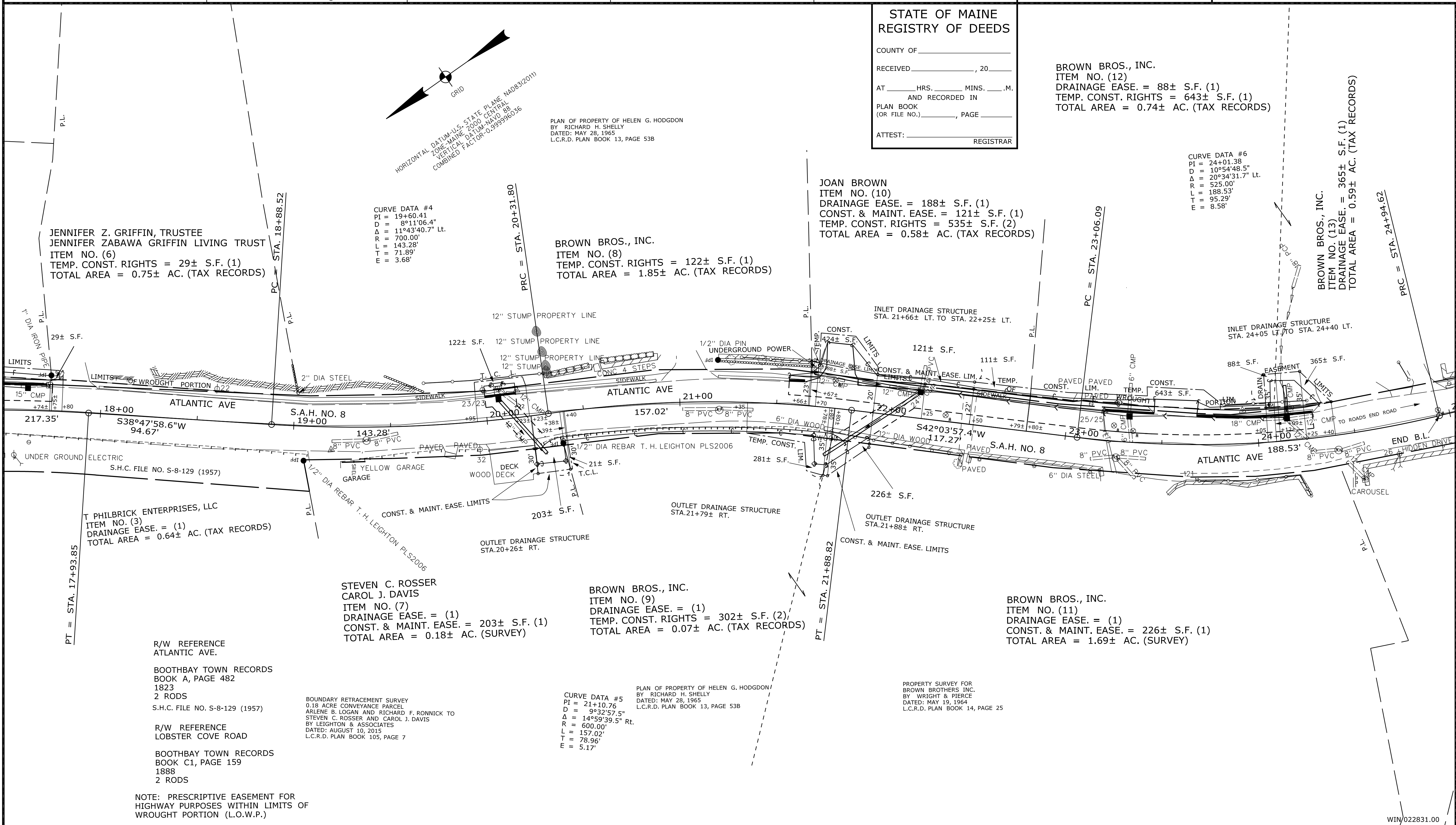
Sanitary Sewer	Existing	Proposed	Traveled Way	Existing	Proposed
Telephone Line	Existing	Proposed	Ditch	Existing	Proposed
Electric Line	Existing	Proposed	Catch Basin	Existing	Proposed
Water Line	Existing	Proposed	Manhole	Existing	Proposed
Underdrain Line	Existing	Proposed	Sewer Manhole	Existing	Proposed
Gas Line	Existing	Proposed	Utility Pole	Existing	Proposed
Guardrail	Existing	Proposed	Fire Hydrant	Existing	Proposed
Culvert	Existing	Proposed	Curbing	Existing	Proposed

Cut Line C-C _____
 Stonewall _____
 Baseline _____
 Monument _____
 Iron Rod Found IRF _____
 Replacement Pin Set _____
 Fill Line F-F _____
 Retaining Wall _____
 Traverse Point _____
 Pipe Found IPF _____

STATE OF MAINE
 REGISTRY OF DEEDS
 COUNTY _____
 RECEIVED _____, 20____
 AT _____ HRS. _____ MINS. _____ M.
 AND RECORDED IN _____
 PLAN BOOK _____, PAGE _____
 Attest: _____ REGISTER

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ADJACENT PROPERTY OWNERS.

25 0 25 50 75 100
 Scale of Feet



ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	D.W.B.	
FINAL RIGHT OF WAY	D.W.B.	
AREAS	D.W.B.	P.N.S.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460
 BOOTHBAY HARBOR
 RIGHT OF WAY MAP

REVISIONS			PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD				BRUCE A. VAN NOTE
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	COND.	
							1/6/20	5477	72		

STATE AID HIGHWAY NO. 8
 ATLANTIC AVENUE
 BOOTHBAY HARBOR LINCOLN COUNTY
 STATE PROJECT NO. 22831.00

AUGUST 2019
 SCALE 1" = 25'

RIGHT-OF-WAY MAP
 SHEET 2 OF 3

D.O.T. FILE NO. 8-191

SHEET NUMBER
8
 OF 8

Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$

WIN022831.00