

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



KENNEBUNK & WELLS YORK COUNTY

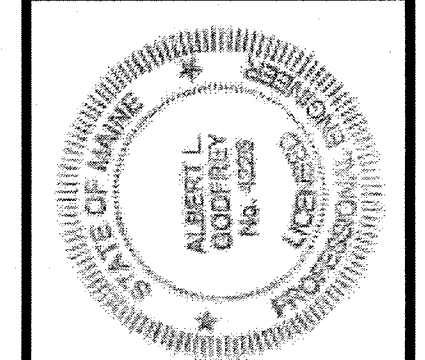
ROUTE 9A/35 @ DURRELL'S BRIDGE ROAD
ROUTE 1 @ LAUDHOLM FARM ROAD
ROUTE 1 @ DRAKE'S ISLAND ROAD

Federal Project WIN #STP-2270(400) State WIN 22704.00
PROJECT LENGTH : 0.000 MILES

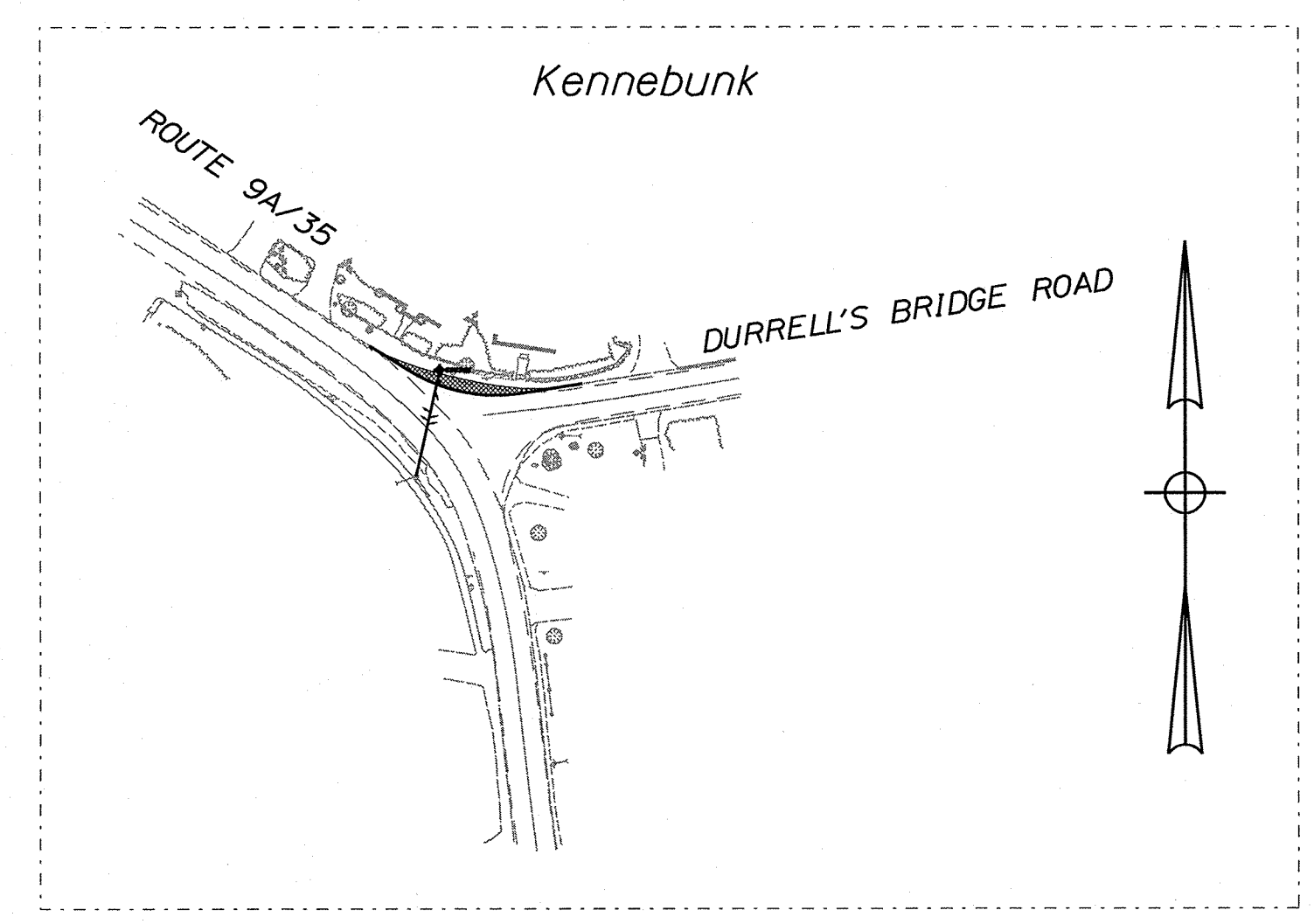
PLAN LEGEND	
Town, County, State	Centerline-Existing
Property Lines	Centerline-Proposed
R/W Lines-Existing	Travelway-Existing
R/W Lines-Proposed	Travelway-Proposed
Culvert-Existing	Railroad
Culvert Proposed	Catch Basins
Curbing Existing	Manholes
Curbing Proposed	Proposed Underdrain
Type 1	Proposed Ditch
Type 3	Existing Ditch
Type 5	Utility Poles
Outline of Bodies of Water	Fire Hydrants
Boring	Existing Water Line
Pavement Core	Existing San. Sewer
Test Pit	Existing San. Sewer Manhole
Probe	Guardrail-Existing
	Guardrail-Proposed
	Guardrail-Cable, Other
	Exposed Bedrock
	Buildings
	Trees
	Tree Line
	Clearing Limit Line

INDEX OF SHEETS	
Description	Sheet No.
Title Sheet	1
Kennebunk Beacon Plan	2
Wells Beacon Plans	3-4
Boring Plan	5

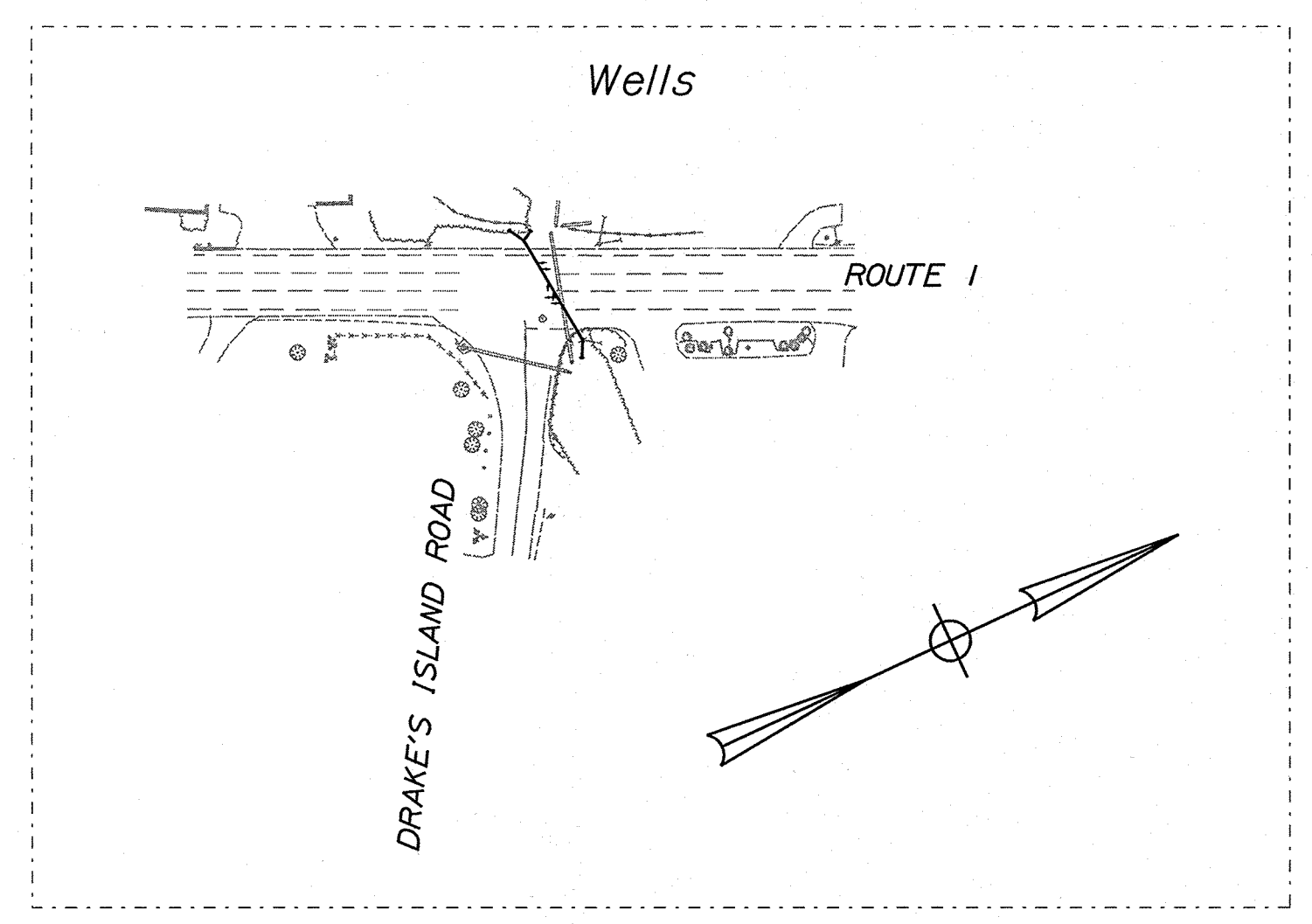
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER	<i>[Signature]</i>	6/21/18
CHIEF ENGINEER	<i>[Signature]</i>	6-21-18



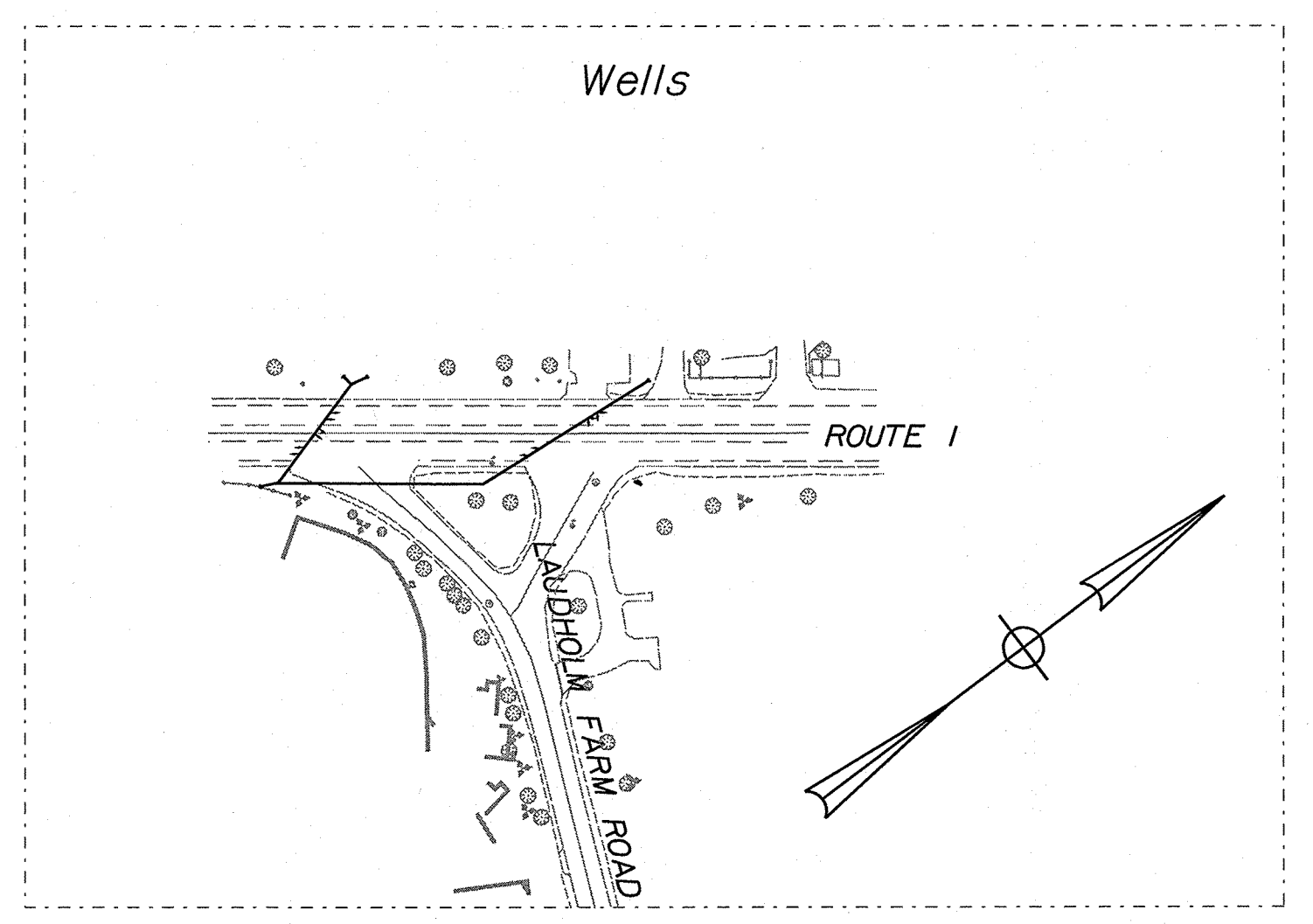
SIGNATURE	4226	P.E. NUMBER	5/10/18	DATE
MULTIMODAL	BRIAN KEEZER	DESIGNER	AL GODFREY/JAMES EASON	CONSULTANT
PROGRAM	TERRA MAGNA SERVICES, INC.	PROJECT RESIDENT		CONTRACTOR
PROJECT INFORMATION		PROJECT COMPLETION DATE		



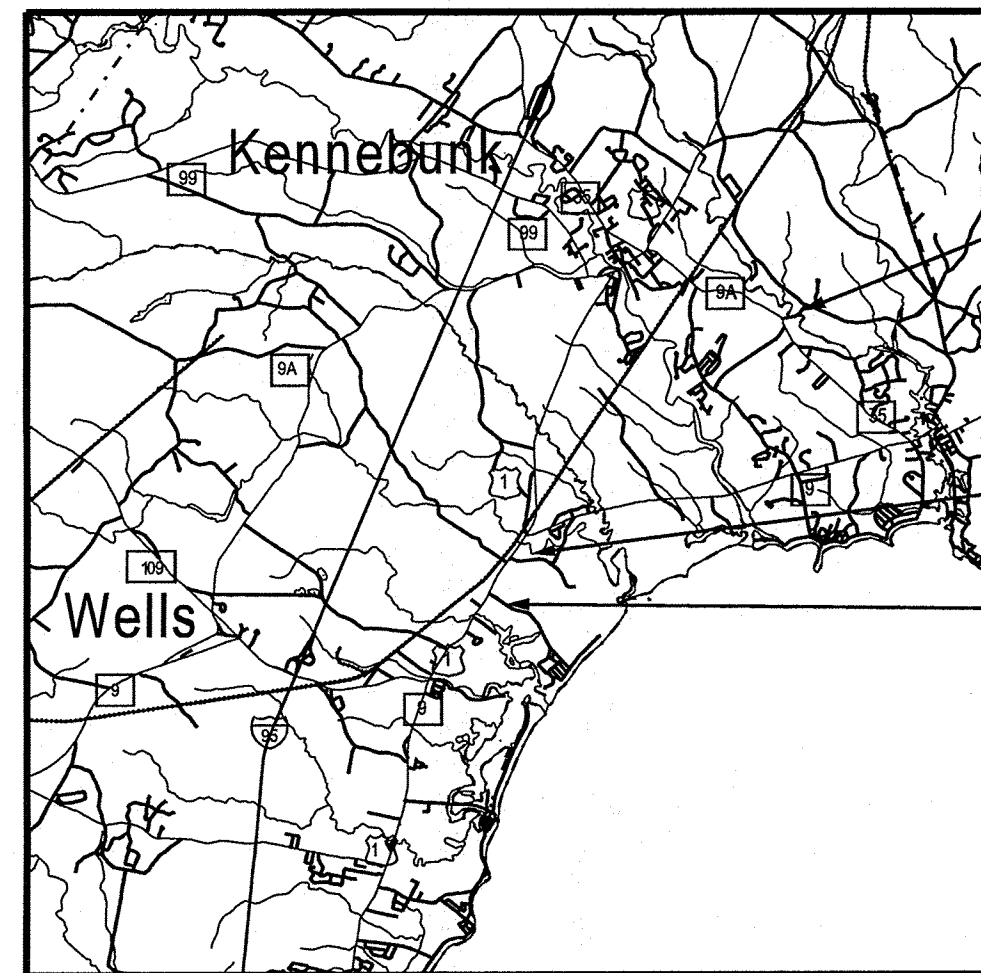
SHEET 2



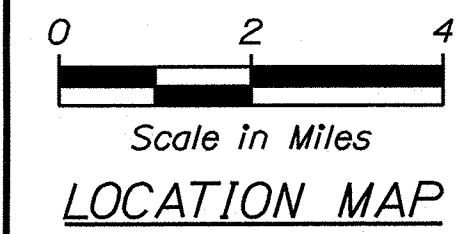
SHEET 3



SHEET 4



ROUTE 9A/35 & DURRELL'S BRIDGE ROAD
ROUTE 1 & LAUDHOLM FARM ROAD
ROUTE 1 & DRAKE'S ISLAND ROAD



PROJECT LOCATION:	INTERSECTION OF ROUTE 9A/35 AND DURRELL'S BRIDGE ROAD IN KENNEBUNK INTERSECTION OF ROUTE 1 AND LAUDHOLM FARM ROAD IN WELLS INTERSECTION OF ROUTE 1 AND DRAKE'S ISLAND ROAD IN WELLS
PROGRAM AREA:	MULTIMODAL
SCOPE OF WORK:	INTERSECTION IMPROVEMENTS

022704.00 2270400

KENNEBUNK & WELLS
FLASHING BEACONS
TITLE SHEET

SHEET NUMBER
1
OF 5

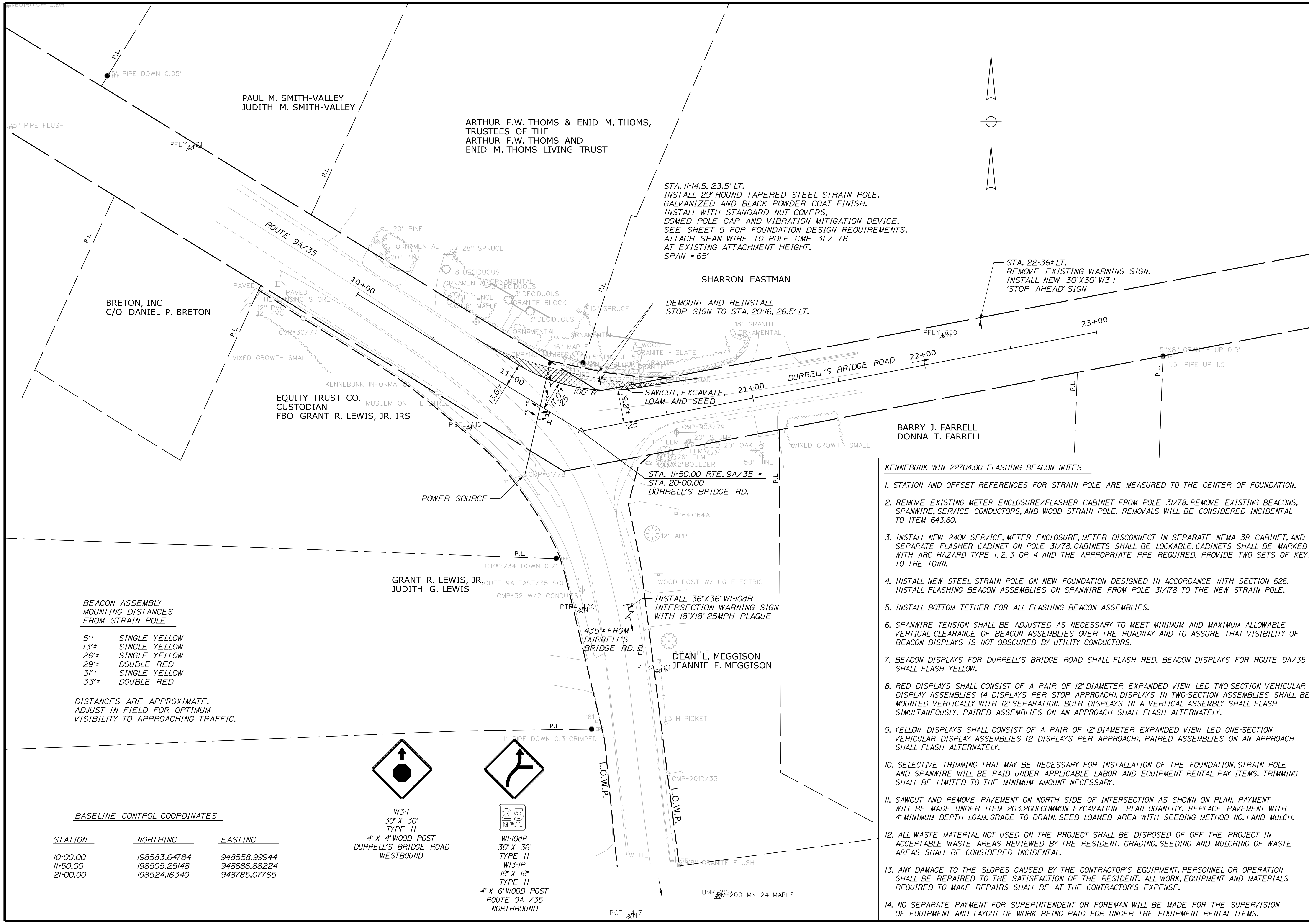
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User: common
Division: HIGHWAY
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Date: 6/18/2018

Username: common

Division: HIGHWAY

Filename: ... \Kennebunk\002_Plan.dgn



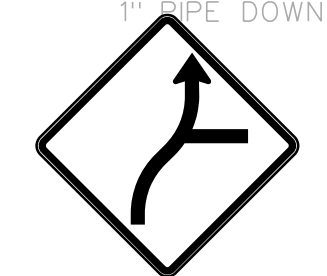
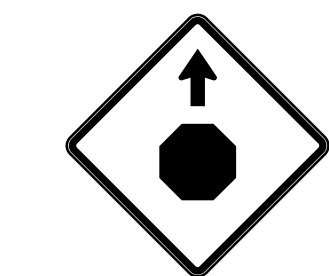
BEACON ASSEMBLY MOUNTING DISTANCES FROM STRAIN POLE

5'±	SINGLE YELLOW
13'±	SINGLE YELLOW
26'±	SINGLE YELLOW
29'±	DOUBLE RED
31'±	SINGLE YELLOW
33'±	DOUBLE RED

DISTANCES ARE APPROXIMATE. ADJUST IN FIELD FOR OPTIMUM VISIBILITY TO APPROACHING TRAFFIC.

BASILINE CONTROL COORDINATES

STATION	NORTHING	EASTING
10+00.00	198583.64784	948558.99944
11+50.00	198505.25148	948686.88224
21+00.00	198524.16340	948785.07765



W3-1
30' X 30'
TYPE II
4' X 4' WOOD POST
DURRELL'S BRIDGE ROAD
WESTBOUND

25
M.P.S.

W1-10dR
36' X 36'
TYPE II
W13-IP
18' X 18'
TYPE II
4' X 6' WOOD POST
ROUTE 9A /35
NORTHBOUND

STA. 11+14.5, 23.5' LT.
INSTALL 29' ROUND TAPERED STEEL STRAIN POLE. GALVANIZED AND BLACK POWDER COAT FINISH. INSTALL WITH STANDARD NUT COVERS, DOMED POLE CAP AND VIBRATION MITIGATION DEVICE. SEE SHEET 5 FOR FOUNDATION DESIGN REQUIREMENTS. ATTACH SPAN WIRE TO POLE CMP 31 / 78 AT EXISTING ATTACHMENT HEIGHT. SPAN = 65'

DEMOUNT AND REINSTALL STOP SIGN TO STA. 20+16, 26.5' LT.


SAWCUT, EXCAVATE, LOAM AND SEED

STA. 11+50.00 RTE. 9A/35 = STA. 20+00.00 DURRELL'S BRIDGE RD.

INSTALL 36' X 36' W1-10dR INTERSECTION WARNING SIGN WITH 18' X 18' 25MPH PLAQUE

KENNEBUNK WIN 22704.00 FLASHING BEACON NOTES

1. STATION AND OFFSET REFERENCES FOR STRAIN POLE ARE MEASURED TO THE CENTER OF FOUNDATION.
2. REMOVE EXISTING METER ENCLOSURE/FLASHER CABINET FROM POLE 31/78. REMOVE EXISTING BEACONS, SPANWIRE, SERVICE CONDUCTORS, AND WOOD STRAIN POLE. REMOVALS WILL BE CONSIDERED INCIDENTAL TO ITEM 643.60.
3. INSTALL NEW 240V SERVICE, METER ENCLOSURE, METER DISCONNECT IN SEPARATE NEMA 3R CABINET, AND SEPARATE FLASHER CABINET ON POLE 31/78. CABINETS SHALL BE LOCKABLE. CABINETS SHALL BE MARKED WITH ARC HAZARD TYPE 1, 2, 3 OR 4 AND THE APPROPRIATE PPE REQUIRED. PROVIDE TWO SETS OF KEYS TO THE TOWN.
4. INSTALL NEW STEEL STRAIN POLE ON NEW FOUNDATION DESIGNED IN ACCORDANCE WITH SECTION 626. INSTALL FLASHING BEACON ASSEMBLIES ON SPANWIRE FROM POLE 31/78 TO THE NEW STRAIN POLE.
5. INSTALL BOTTOM TETHER FOR ALL FLASHING BEACON ASSEMBLIES.
6. SPANWIRE TENSION SHALL BE ADJUSTED AS NECESSARY TO MEET MINIMUM AND MAXIMUM ALLOWABLE VERTICAL CLEARANCE OF BEACON ASSEMBLIES OVER THE ROADWAY AND TO ASSURE THAT VISIBILITY OF BEACON DISPLAYS IS NOT OBSCURED BY UTILITY CONDUCTORS.
7. BEACON DISPLAYS FOR DURRELL'S BRIDGE ROAD SHALL FLASH RED. BEACON DISPLAYS FOR ROUTE 9A/35 SHALL FLASH YELLOW.
8. RED DISPLAYS SHALL CONSIST OF A PAIR OF 12" DIAMETER EXPANDED VIEW LED TWO-SECTION VEHICULAR DISPLAY ASSEMBLIES (4 DISPLAYS PER STOP APPROACH). DISPLAYS IN TWO-SECTION ASSEMBLIES SHALL BE MOUNTED VERTICALLY WITH 12" SEPARATION. BOTH DISPLAYS IN A VERTICAL ASSEMBLY SHALL FLASH SIMULTANEOUSLY. PAIRED ASSEMBLIES ON AN APPROACH SHALL FLASH ALTERNATELY.
9. YELLOW DISPLAYS SHALL CONSIST OF A PAIR OF 12" DIAMETER EXPANDED VIEW LED ONE-SECTION VEHICULAR DISPLAY ASSEMBLIES (2 DISPLAYS PER APPROACH). PAIRED ASSEMBLIES ON AN APPROACH SHALL FLASH ALTERNATELY.
10. SELECTIVE TRIMMING THAT MAY BE NECESSARY FOR INSTALLATION OF THE FOUNDATION, STRAIN POLE AND SPANWIRE WILL BE PAID UNDER APPLICABLE LABOR AND EQUIPMENT RENTAL PAY ITEMS. TRIMMING SHALL BE LIMITED TO THE MINIMUM AMOUNT NECESSARY.
11. SAWCUT AND REMOVE PAVEMENT ON NORTH SIDE OF INTERSECTION AS SHOWN ON PLAN. PAYMENT WILL BE MADE UNDER ITEM 203.2001 COMMON EXCAVATION PLAN QUANTITY. REPLACE PAVEMENT WITH 4" MINIMUM DEPTH LOAM. GRADE TO DRAIN. SEED LOAMED AREA WITH SEEDING METHOD NO. 1 AND MULCH.
12. 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.
13. 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.
14. 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.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2270400	WIN 022704.00	HIGHWAY PLANS
				
PROJ. MANAGER	DATE	BY	DATE	DATE
BRIAN KEIZER	5-18	ALG	5-18	
DESIGN/DETAILED	ALG	ALG		
CHECKED/REVIEWED				
DESIGN/DETAILED				
DESIGN/DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				
KENNEBUNK ROUTE 9A/35 & DURRELL'S BRIDGE RD.		BEACON PLAN		
SHEET NUMBER		2		
OF 5				

Date: 6/18/2018

Username: common

Division: HIGHWAY

Filename: ... \Wells\003_Plan.dgn

COREY W. DANIELS

NORMAN VEZEAU
ELIZABETH VEZEAU

JOANTHAN P. HALL, TRUSTEE
THE COLE'S CORNER REALTY TRUST

SHAIKH, LLC

DANIEL J. HARRINGTON
LEAH E. HARRINGTON

ROBERT FITCH
WENDY FITCH

POLE NOTES

- Ⓐ INSTALL 40' CLASS 3 WOOD POLE AND GUY ANCHOR. INSTALL NEW METER, FLASHER CABINET AND METER DISCONNECT ENCLOSURE. ATTACH SPANWIRE AT 25.25'
- Ⓑ INSTALL 40' CLASS 3 WOOD POLE AND GUY ANCHOR. ATTACH SPANWIRE AT 25.25'
- Ⓒ EXISTING UTILITY POLE CMP 244 / 325. ATTACH SPANWIRE AT 26.00' SPANWIRE FROM POLE Ⓒ TO POLE Ⓓ SHALL BE DOUBLE SPANWIRE.
- Ⓓ EXISTING UTILITY POLE CMP 1. POWER SOURCE. ATTACH DOUBLE SPANWIRE TO POLE Ⓓ AT 26.00'

SIGN SUMMARY



RH-1
30" X 30"
TYPE 11
4" X 4" WOOD POST
LAUDHOLM FARM ROAD
NORTHBOUND

WELLS WIN 22704.00 - FLASHING BEACON NOTES LAUDHOLM FARM ROAD

1. REMOVE EXISTING METER ENCLOSURE/FLASHER CABINET FROM POLE CMP 243/324. REMOVE EXISTING BEACONS, SPANWIRE, AND SERVICE CONDUCTORS. REMOVALS WILL BE CONSIDERED INCIDENTAL TO ITEM 643.60.
2. INSTALL NEW 240V SERVICE, METER ENCLOSURE, METER DISCONNECT IN SEPARATE NEMA 3R CABINET, AND SEPARATE FLASHER CABINET ON NEW BEACON POLE Ⓐ AS SHOWN ON PLAN. CABINETS SHALL BE LOCKABLE. CABINETS SHALL BE MARKED WITH ARC HAZARD TYPE 1, 2, 3 OR 4 AND THE APPROPRIATE PPE REQUIRED. PROVIDE TWO SETS OF KEYS TO THE TOWN.
3. INSTALL FLASHING BEACON ASSEMBLIES ON SPANWIRES AS INDICATED ON PLAN. ADJUST LOCATIONS ON SPANWIRES FOR OPTIMUM VISIBILITY TO APPROACHING TRAFFIC.
4. INSTALL BOTTOM TETHER FOR ALL FLASHING BEACON ASSEMBLIES.
5. SPANWIRE TENSION SHALL BE ADJUSTED AS NECESSARY TO MEET MINIMUM AND MAXIMUM ALLOWABLE VERTICAL CLEARANCE OF BEACON ASSEMBLIES OVER THE ROADWAY AND TO ASSURE THAT VISIBILITY OF BEACON DISPLAYS IS NOT OBSCURED BY UTILITY CONDUCTORS.
6. BEACON DISPLAYS FOR LAUDHOLM FARM ROAD SHALL FLASH RED. BEACON DISPLAYS FOR ROUTE 1 SHALL FLASH YELLOW.
7. BEACON ASSEMBLIES SHALL HAVE POLYCARBONATE HEADS.
8. RED DISPLAYS SHALL CONSIST OF A PAIR OF 12" DIAMETER DIRECTIONALLY PROGRAMMABLE VISIBILITY LED TWO-SECTION VEHICULAR DISPLAY ASSEMBLIES (4 DISPLAYS PER STOP APPROACH). DISPLAYS SHALL BE PROGRAMMED TO PREVENT VISIBILITY TO ROUTE 1 TRAFFIC. DISPLAYS IN TWO-SECTION ASSEMBLIES SHALL BE MOUNTED VERTICALLY WITH 12" SEPARATION. BOTH DISPLAYS IN A VERTICAL ASSEMBLY SHALL FLASH SIMULTANEOUSLY. PAIRED ASSEMBLIES ON AN APPROACH SHALL FLASH ALTERNATELY.
9. YELLOW DISPLAYS SHALL CONSIST OF A PAIR OF 12" DIAMETER EXPANDED VIEW LED ONE-SECTION VEHICULAR DISPLAY ASSEMBLIES (2 DISPLAYS PER APPROACH). PAIRED ASSEMBLIES ON AN APPROACH SHALL FLASH ALTERNATELY.
10. SELECTIVE TRIMMING THAT MAY BE NECESSARY FOR INSTALLATION OF POLE 'A' AND CONDUCTORS WILL BE PAID UNDER APPLICABLE LABOR AND EQUIPMENT RENTAL PAY ITEMS. TRIMMING SHALL BE LIMITED TO THE MINIMUM AMOUNT NECESSARY.
11. 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.
12. 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.
13. 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.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2270400
WIN
022704.00
HIGHWAY PLANS



SIGNATURE: [Signature]
4226
P.E. NUMBER
5/10/18
DATE

PROJ. MANAGER	DATE	BY	DATE
BRIAN KEIZER	5-18	JLE	5-18
CHECKED-REVIEWED		ALG	
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

WELLS
ROUTE 1 &
LAUDHOLM FARM ROAD
BEACON PLAN

SHEET NUMBER

3

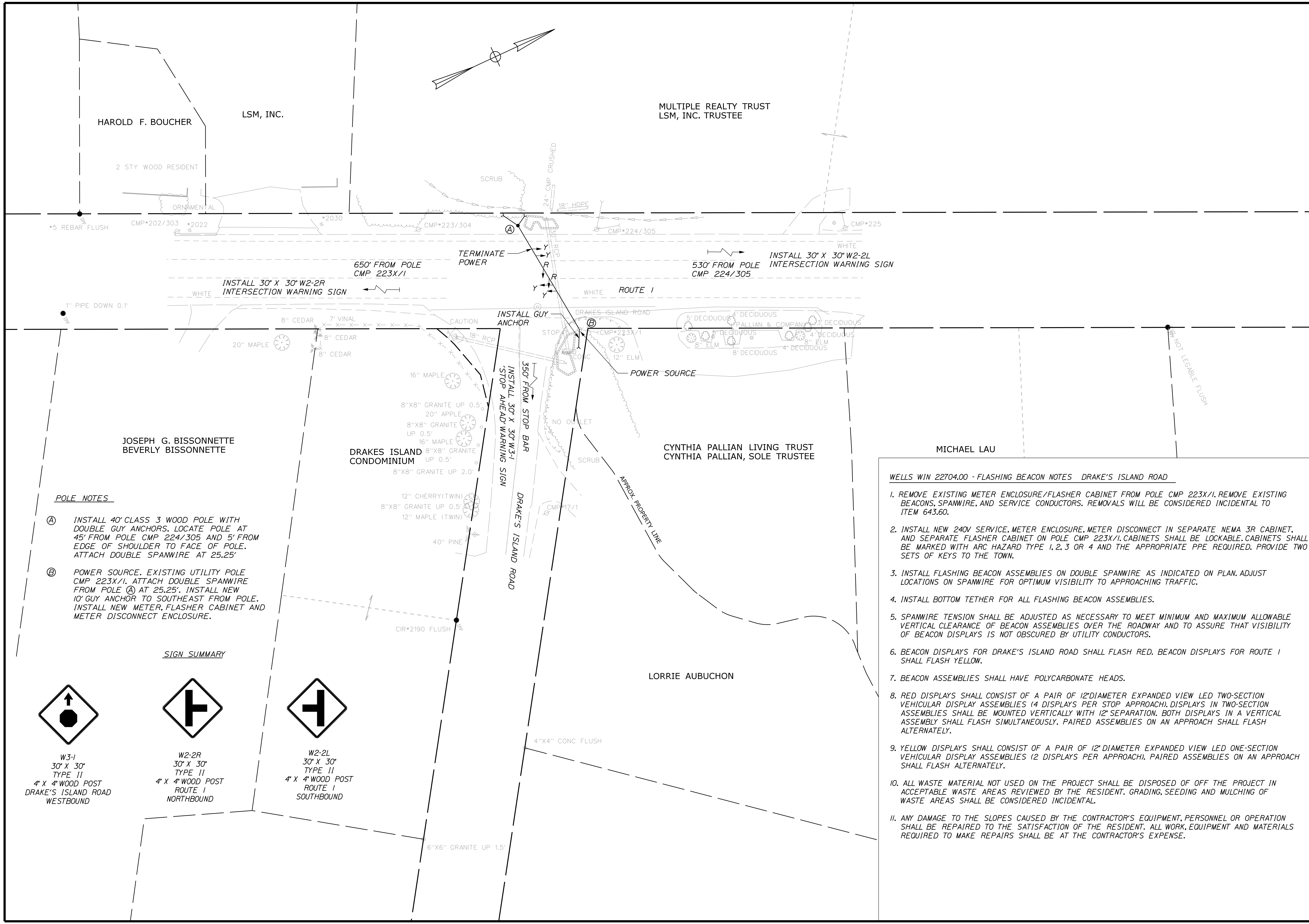
OF 5

Date: 6/18/2018

Username: common

Division: HIGHWAY

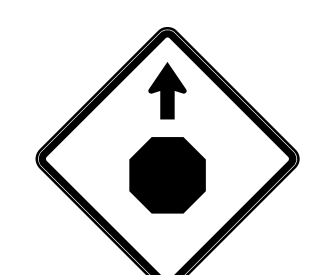
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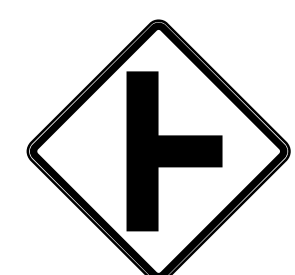
POLE NOTES

- Ⓐ INSTALL 40' CLASS 3 WOOD POLE WITH DOUBLE GUY ANCHORS. LOCATE POLE AT 45' FROM POLE CMP 224/305 AND 5' FROM EDGE OF SHOULDER TO FACE OF POLE. ATTACH DOUBLE SPANWIRE AT 25.25'
- Ⓑ POWER SOURCE. EXISTING UTILITY POLE CMP 223X/1. ATTACH DOUBLE SPANWIRE FROM POLE Ⓐ AT 25.25'. INSTALL NEW 10' GUY ANCHOR TO SOUTHEAST FROM POLE. INSTALL NEW METER, FLASHER CABINET AND METER DISCONNECT ENCLOSURE.

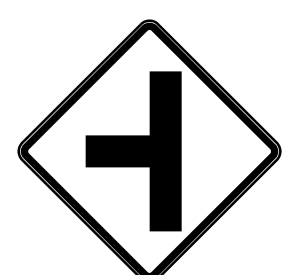
SIGN SUMMARY



W3-1
30" X 30"
TYPE II
4" X 4" WOOD POST
DRAKE'S ISLAND ROAD
WESTBOUND



W2-2R
30" X 30"
TYPE II
4" X 4" WOOD POST
ROUTE 1
NORTHBOUND



W2-2L
30" X 30"
TYPE II
4" X 4" WOOD POST
ROUTE 1
SOUTHBOUND

WELLS WIN 22704.00 - FLASHING BEACON NOTES DRAKE'S ISLAND ROAD

1. REMOVE EXISTING METER ENCLOSURE/FLASHER CABINET FROM POLE CMP 223X/1. REMOVE EXISTING BEACONS, SPANWIRE, AND SERVICE CONDUCTORS. REMOVALS WILL BE CONSIDERED INCIDENTAL TO ITEM 643.60.
2. INSTALL NEW 240V SERVICE, METER ENCLOSURE, METER DISCONNECT IN SEPARATE NEMA 3R CABINET, AND SEPARATE FLASHER CABINET ON POLE CMP 223X/1. CABINETS SHALL BE LOCKABLE. CABINETS SHALL BE MARKED WITH ARC HAZARD TYPE 1, 2, 3 OR 4 AND THE APPROPRIATE PPE REQUIRED. PROVIDE TWO SETS OF KEYS TO THE TOWN.
3. INSTALL FLASHING BEACON ASSEMBLIES ON DOUBLE SPANWIRE AS INDICATED ON PLAN. ADJUST LOCATIONS ON SPANWIRE FOR OPTIMUM VISIBILITY TO APPROACHING TRAFFIC.
4. INSTALL BOTTOM TETHER FOR ALL FLASHING BEACON ASSEMBLIES.
5. SPANWIRE TENSION SHALL BE ADJUSTED AS NECESSARY TO MEET MINIMUM AND MAXIMUM ALLOWABLE VERTICAL CLEARANCE OF BEACON ASSEMBLIES OVER THE ROADWAY AND TO ASSURE THAT VISIBILITY OF BEACON DISPLAYS IS NOT OBSCURED BY UTILITY CONDUCTORS.
6. BEACON DISPLAYS FOR DRAKE'S ISLAND ROAD SHALL FLASH RED. BEACON DISPLAYS FOR ROUTE 1 SHALL FLASH YELLOW.
7. BEACON ASSEMBLIES SHALL HAVE POLYCARBONATE HEADS.
8. RED DISPLAYS SHALL CONSIST OF A PAIR OF 12" DIAMETER EXPANDED VIEW LED TWO-SECTION VEHICULAR DISPLAY ASSEMBLIES (4 DISPLAYS PER STOP APPROACH). DISPLAYS IN TWO-SECTION ASSEMBLIES SHALL BE MOUNTED VERTICALLY WITH 12" SEPARATION. BOTH DISPLAYS IN A VERTICAL ASSEMBLY SHALL FLASH SIMULTANEOUSLY. PAIRED ASSEMBLIES ON AN APPROACH SHALL FLASH ALTERNATELY.
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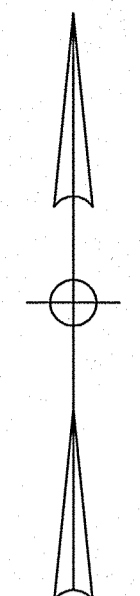
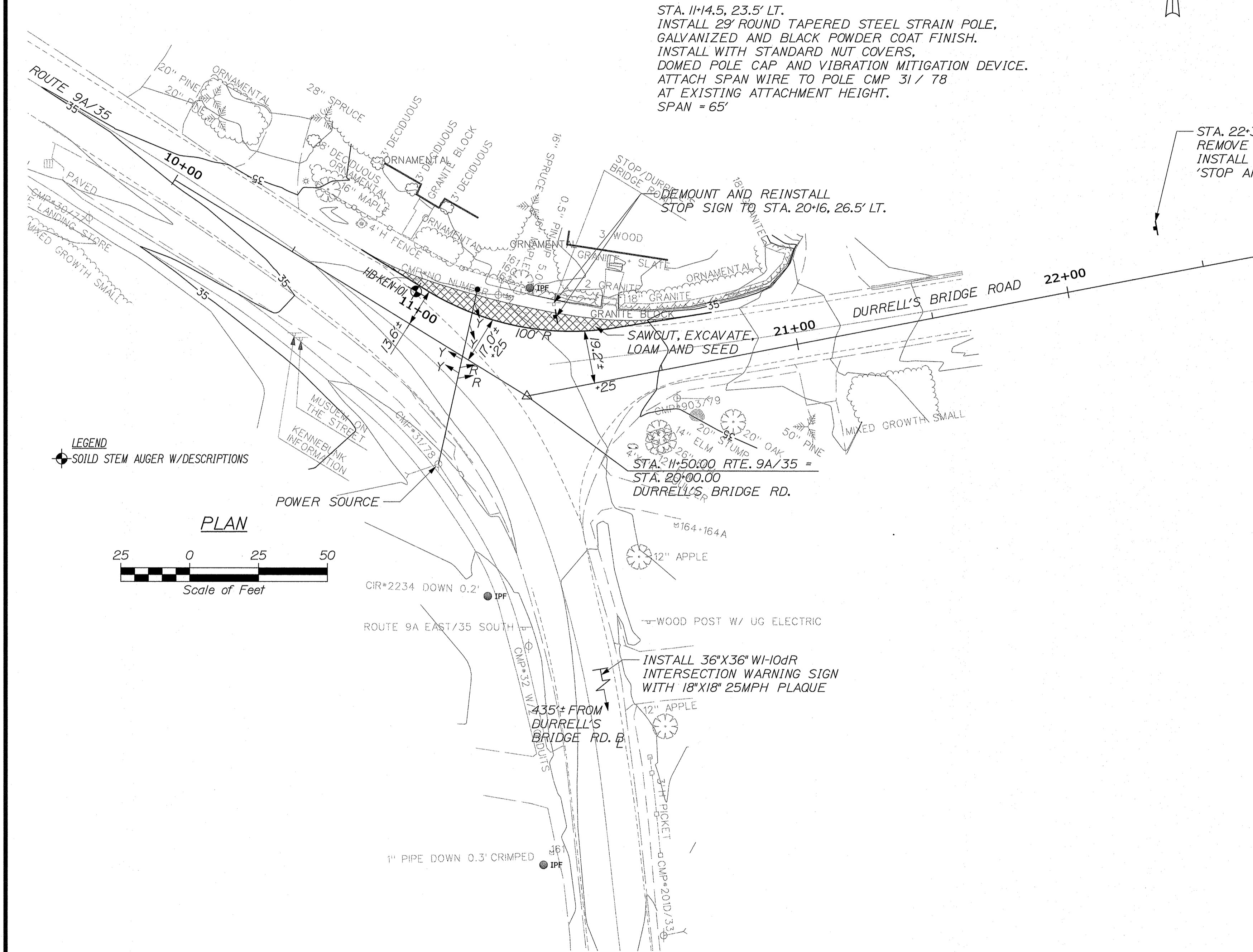
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2270400		WIN 022704.00		HIGHWAY PLANS	
PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE	
BRIAN KEIZER	5-18	ALG	5-18	<i>[Signature]</i>	42262	5/10/18	
DESIGN-DETAILED		JLE					
CHECKED-REVIEWED		ALG					
DESIGN-DETAILED							
DESIGN-DETAILED							
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							
WELLS ROUTE 1 & DRAKE'S ISLAND ROAD				BEACON PLAN			
SHEET NUMBER							
4							
OF 5							

Date: 6/18/2018

Username: kate.maguire

Division: GEOTECH

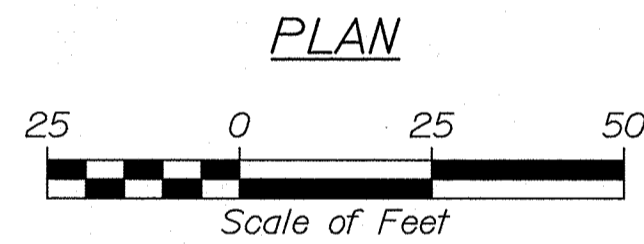
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STA. 11+4.5, 23.5' LT.
 INSTALL 29' ROUND TAPERED STEEL STRAIN POLE,
 GALVANIZED AND BLACK POWDER COAT FINISH.
 INSTALL WITH STANDARD NUT COVERS,
 DOMED POLE CAP AND VIBRATION MITIGATION DEVICE.
 ATTACH SPAN WIRE TO POLE CMP 31 / 78
 AT EXISTING ATTACHMENT HEIGHT.
 SPAN = 65'

STA. 22+3
 REMOVE
 INSTALL
 'STOP AT'

LEGEND
 SOILD STEM AUGER W/ DESCRIPTIONS

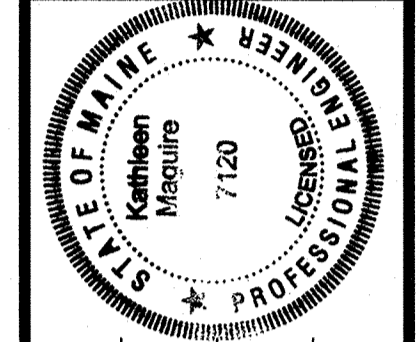


PLAN

Maine Department of Transportation Soil/Rock Exploration Log US CUSTOMARY UNITS		Project: Replace flashing Beacon at Intersection Route 35/9A Location: Kennebunk, Maine		Boring No.: HB-KEN-101						
Driller: MaineDOT	Elevation (ft.): 36.1	Auger ID/OD: 5" Dia.	WIN: 22704.00							
Operator: Doggett/Niles	Batum: NAVD88	Sampler: Standard Split Spoon								
Logged By: B. Wilder	Rig Type: CME 45C	Hammer Wt./Fall: 140#/30"								
Date Start/Finish: 5/16/2018: 08:00-10:00	Drilling Method: Solid Stem Auger	Core Barrel: N/A								
Boring Location: 10+95.9, 11.3 ft Lt.	Casing ID/OD: N/A	Water Level*: 5.1 ft bgs.								
Hammer Efficiency Factor: 0.854	Hammer Type: Automatic <input checked="" type="checkbox"/> Hydraulic <input type="checkbox"/> Rope & Cathead <input type="checkbox"/>									
<small> Definitions: S_u = Rock Core Sample S_u(lab) = Lab Vane Undrained Shear Strength (psf) T_v = Pocket Torque Shear Strength (psf) D = Split Spoon Sample SSA = Solid Stem Auger C_u = Unconfined Compressive Strength (ksf) WC = Water Content, percent M = Unsuccessful Split Spoon Sample Attempt SSA = Hollow Stem Auger C_u = Unconfined Compressive Strength (ksf) LL = Liquid Limit U = Thin Wall Tube Sample RC = Roller Core H = Horizontal Blow Count (blows/ft) PL = Plastic Limit MU = Unsuccessful Thin Wall Tube Sample Attempt WH = Weight of 100lb. Hammer H = Hammer Efficiency Factor = Rig Specific Annual Calibration VerBa = Plasticity Index V = Field Vane Shear Test. PP = Pocket Penetration/PTC = Weight of Rods or Casing N₆₀ = SPT Uncorrected Corrected for Hammer Efficiency G = Grain Size Analysis W = Unsuccessful Field Vane Shear Test Attempt. WSP = Weight of Fine Sieve N₆₀ = Hammer Efficiency Factor (50% uncorrected) C = Consolidation Test </small>										
Sample Information										
Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blow 1/6 in. Strength (lb/ft ²) or RFD (%)	Noncorrected	Corrected	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/AASHTO Unified Class
10	24/15	1.50 - 3.50	8/9/8/8	17	24		35.6	6" RMA.	Brown, damp, medium dense, fine to coarse SAND, little gravel, trace silt, (fill).	0.5
5	20	24/20	5.00 - 7.00	8/9/12/9	21	30	32.1		Light brown, wet, medium dense, fine to medium SAND, little silt.	4.0
10	30	24/11	10.00 - 12.00	WOR/WOR/WOR	---	---	27.6		Grey, wet, very soft, Clayey-SILT, some fine sand.	6.5
15	40	24/20	15.00 - 17.00	WOR/WOR/WOR	---	---	19.1		Dark grey, wet, very soft, Clayey-SILT, trace fine sand.	7.0
20									Bottom of Exploration at 17.0 feet below ground surface. NO REFUSAL	
25										
30										
Remarks:										
Stratification lines represent approximate boundaries between soil types; transitions may be gradual.						Page 1 of 1				
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.						Boring No.: HB-KEN-101				

Design of the foundation for the project strain pole shall be based on Standard Details 626(03) and 626(04) using Charts S400-1, S400-2 and S400-3 (Soils with Su = 400 psf).

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 02270400
 WIN
 22704.KENNEBUNK
 HIGHWAY PLANS



SIGNATURE: Kate Maguire
 P.E. NUMBER: 7120
 DATE: 6/18/2018

PROJ. MANAGER	DATE	BY
CHECKED-REVIEWED	JUN 2018	T. WHITE
DESIGN-DETAILED		
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

KENNEBUNK
 ROUTE 9A/35 AT DURRELLS BRIDGE RD.
 BORING LOCATION PLAN &
 BORING LOG WITH
 FOUNDATION DESIGN REQUIREMENTS

SHEET NUMBER
 5
 OF 5