

**SNOWS CORNER ROAD
MILL, OVERLAY, AND WIDENING
SUPERELEVATED**

AGGREGATE SUBBASE COURSE - GRAVEL (ITEM 304.10)
VAR. WIDTH TRAVELWAY
6.17 CY/1 LF WIDTH/100 LF
STATION TO STATION
10+19.7 TO 12+50.0

SUPERELEVATION TABLE

TRAVELWAY	STATION	TRAVELWAY
-2.0%	10+50	0.0%
-2.0%	10+75	-0.6%
-2.0%	11+00	-1.3%
-2.0%	11+25	-2.0%
-1.7%	11+50	-2.0%
-1.3%	11+75	-2.0%
-1.0%	12+00	-2.0%
-1.0%	12+25	-3.0%
EXIST.	12+50	EXIST.

NOTE:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
3. THE STATION SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
4. HMA = HOT MIX ASPHALT
A.S.C.G. = AGGREGATE SUBBASE COURSE - GRAVEL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-2057(200)X
WIN
20572.00
HIGHWAY PLANS

PROJ. MANAGER	DATE
DESIGN-DETAILED	6-15
CHECKED-REVIEWED	6-15
DESIGN-DETAILED	SIGNATURE
DESIGN-DETAILED	7960
REVISIONS 1	P.E. NUMBER
REVISIONS 2	June 15, 2015
REVISIONS 3	DATE
REVISIONS 4	
FIELD CHANGES	

**ORRINGTON
SNOWS CORNER ROAD
TYPICAL SECTIONS**

SHEET NUMBER
2
OF 11

NOT TO SCALE

Date: 6/17/2015

Username: common

Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\003_Notes_01.dgn

GENERAL NOTES

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:

BANGOR WATER DISTRICT
CITY OF BREWER
EMERA MAINE
FAIRPOINT COMMUNICATIONS
MAINE FIBER COMPANY
TIME WARNER CABLE

2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.

3. CONSTRUCT BUTT JOINTS AT ALL PAVED DRIVES AND ENTRANCES.

4. A TEMPORARY RAMP SHALL BE CONSTRUCTED WITH HMA AT THE ENDS OF THE ROADWAY SECTION PAVED OR MILLED EACH DAY. THE USES OF MILLINGS OR RAP WILL NOT BE ALLOWED, BUT COLD PATCH MAY BE TEMPORARILY UTILIZED UNTIL HMA PLANTS ARE OPEN FOR THE SEASON.

5. TEMPORARY RAMPS SHALL BE CONSTRUCTED WITH ONE FOOT OF LENGTH FOR EVERY 1/4" OF TRANSITION DEPTH ON THE LEADING END. MATERIALS, PLACEMENT, MAINTENANCE, AND REMOVAL SHALL BE INCIDENTAL TO CONTRACT ITEMS.

6. 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.

7. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.

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. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.

11. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW UNDERWATER BACKFILL.

12. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

13. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.

14. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

15. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL AREAS.

16. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN ALL AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

17. 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 627.78.

18. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE MADE UNDER THE APPROPRIATE RENTAL ITEMS.

19. 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.

20. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.

21. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

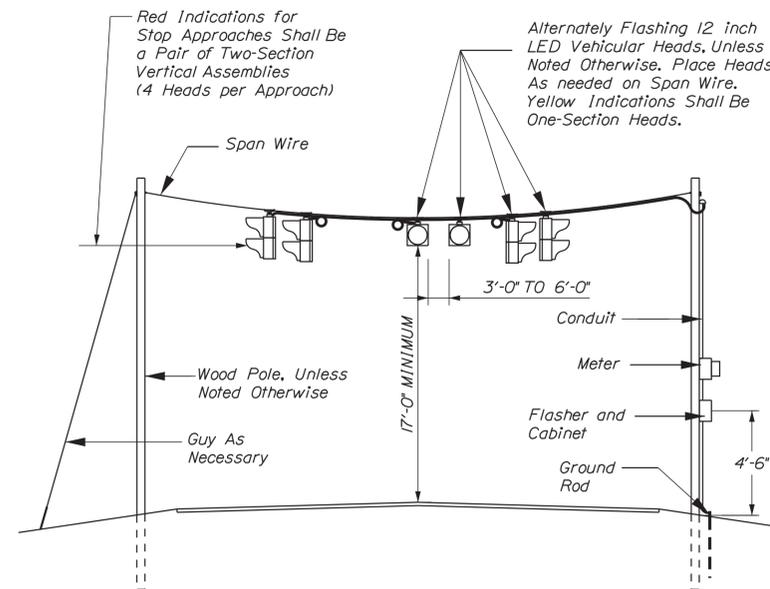
22. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.

SUMMARY OF EARTHWORK AND BORROW

<u>COMMON EXCAVATION FOR ESTIMATE</u>		
COMMON EXCAVATION (FROM CROSS SECTIONS - MAINLINE)	338 CY	
TOTAL COMMON EXCAVATION		338 CY
<u>FILL FOR BORROW CALCULATIONS</u>		
COMMON FILL (FROM CROSS SECTIONS)	5 CY	
TOTAL FILL		5 CY
<u>ROCK EXCAVATION FOR ESTIMATE</u>		
ROCK EXCAVATION	0 CY	
TOTAL ROCK EXCAVATION		0 CY
<u>AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS</u>		
(1) TOTAL COMMON EXCAVATION DEDUCTIONS:		338 CY
PAVEMENT IN SECTIONS GRUBBING IN CUT	5 CY 75 CY	
(2) TOTAL DEDUCTIONS		80 CY
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)		258 CY
<u>COMPUTATION OF COMMON BORROW FOR ESTIMATE</u>		
(3) TOTAL FILL		5 CY
TOTAL AVAILABLE NON-ROCK EXCAV.	258	X 0.85 = 219 CY
TOTAL AVAILABLE ROCK EXCAV.	0	X 1.33 = 0 CY
(4) TOTAL AVAILABLE EXCAVATION		219 CY
SURPLUS EXCAVATION (3) MINUS (4)		214 CY
TOTAL SURPLUS WASTE MATERIAL	294 CY	

FLASHING BEACON MODIFICATION NOTES

- PAYMENT UNDER ITEM 643.61 SHALL INCLUDE, BUT IS NOT LIMITED TO, BEACON HEADS, LED LAMPS, SPANWIRE, WIRING, METER SOCKET BYPASS, AND ALL INCIDENTAL MATERIALS AND WORK NECESSARY FOR A FULLY FUNCTIONING BEACON SYSTEM, EXCEPT THOSE ITEMS INCLUDED IN OTHER BID ITEMS OF THE CONTRACT.
- ATTACH BEACONS TO SPANWIRE FROM EXISTING BEACON POLE AT STATION 102+00 LEFT TO NEW UTILITY POLE AT STATION 10+43.7 LEFT.
- ALL BEACON HEADS SHALL BE NEW.
- ROUTE 15 BEACONS SHALL FLASH YELLOW, SNOWS CORNER ROAD AND ARCTIC STATION ROAD BEACONS SHALL FLASH RED.
- BOTH HEADS IN A VERTICAL ASSEMBLY SHALL FLASH SIMULTANEOUSLY. VERTICAL ASSEMBLIES IN A PAIR SHALL FLASH ALTERNATELY FROM EACH OTHER.
- THE CONTRACTOR SHALL INSTALL A SELF-CONTAINED METER SOCKET BYPASS (SINGLE PHASE 100 OR 150 AMP) WITH A SINGLE HANDLE LEVER-OPERATED BYPASS IN A SEPARATE NEMA 3R ENCLOSURE FOR POWER SHUTOFF TO THE METER WITHOUT INTERRUPTING BEACON DISPLAYS.
- ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT, LEGIBLE, WEATHERPROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITIES AT LEAST 48 HOURS IN ADVANCE OF ANY OPERATIONS WHERE POTENTIAL CONFLICT WITH OVERHEAD WIRES MAY OCCUR.
- THE MAINTENANCE OF BEACONS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY MAINE DOT.



NOTE:
All work shall conform to applicable portions of The Standard Specifications and The Standard Details.

FLASHING BEACON MODIFICATION
ITEM NO. 643.61

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-2057(200)X
WIN
20572.00
HIGHWAY PLANS

PROJ. MANAGER/RELE	GORNEAU II	BY	DATE
DESIGN-DETAILED	JLE	JLE	6-15
CHECKED-REVIEWED	ALC		6-15
DESIGN-DETAILED			SIGNATURE
DESIGN-DETAILED			7960
REVISIONS 1			P.E. NUMBER
REVISIONS 2			June 15, 2015
REVISIONS 3			DATE
REVISIONS 4			
FIELD CHANGES			

ORRINGTON
SNOWS CORNER ROAD
GENERAL NOTES
EARTHWORK SUMMARY

SHEET NUMBER

3

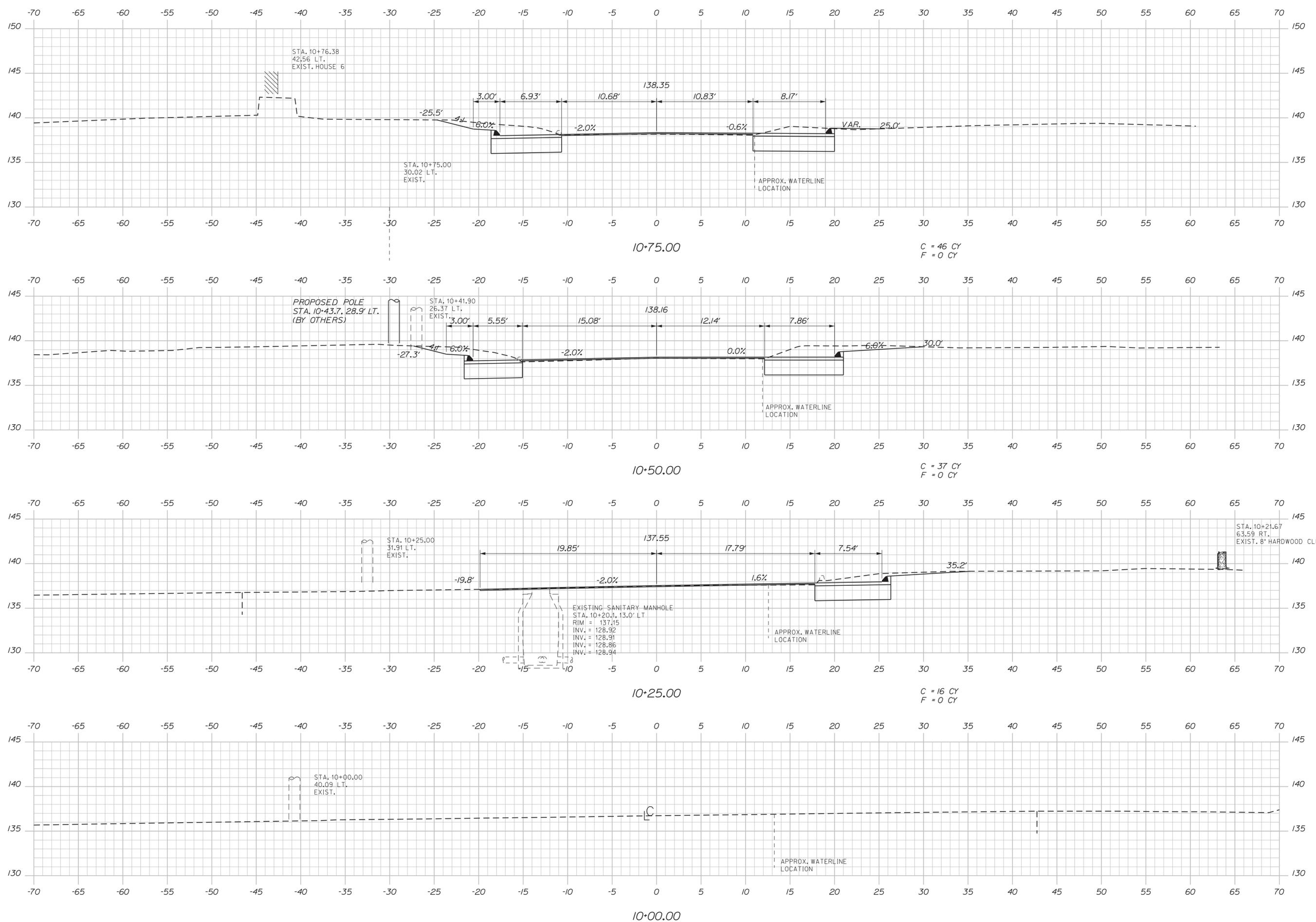
OF 11

Date: 6/17/2015

Username: common

Division: HIGHWAY

Filename: ... \MSTA\006_XSECT_10+00_001.dgn



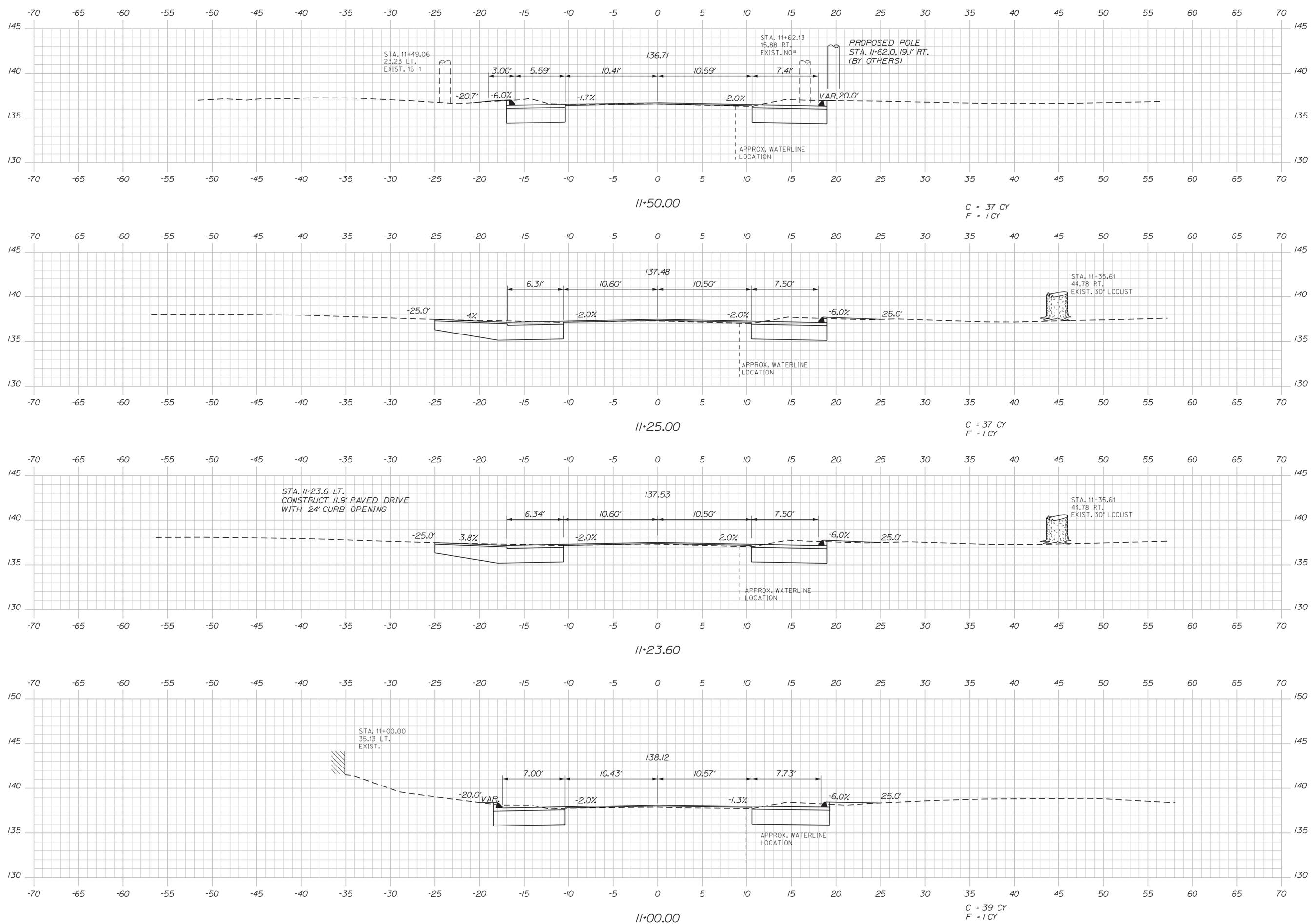
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		STP-2057(200)X	
ORRINGTON SNOWS CORNER ROAD		WIN 20572.00	
CROSS SECTIONS		HIGHWAY PLANS	
PROJ. MANAGER	CORNEAU II	DATE	SIGNATURE
DESIGN-DETAILED	JLE	6-15	7960
CHECKED-REVIEWED	ALC	6-15	
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES		DATE	
		P.E. NUMBER June 15, 2015	
SHEET NUMBER		DATE	
6			
OF 11			

Date: 6/17/2015

Username: common

Division: HIGHWAY

Filename: ... \MSTA007_XSECT_11+00_002.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-2057(200)X
WIN
20572.00
HIGHWAY PLANS

PROJ. MANAGER/RELE. GORNEAU II	DATE	BY	SIGNATURE
DESIGN-DETAILED JLE	6-15	JLE	7960
CHECKED-REVIEWED ALC	6-15		
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ORRINGTON
SNOWS CORNER ROAD
CROSS SECTIONS

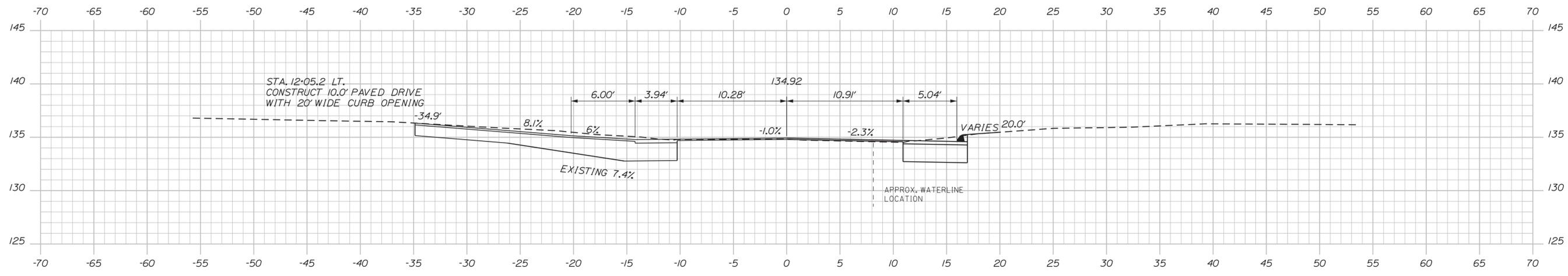
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OF 11

Date: 6/17/2015

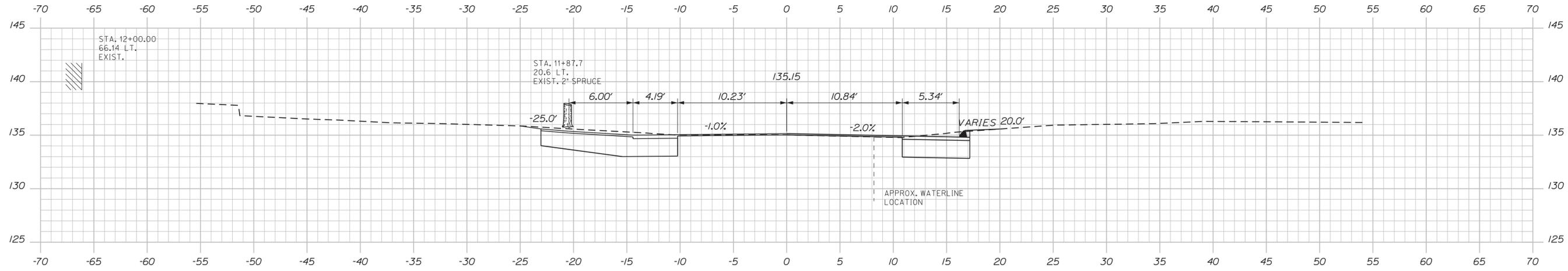
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Division: HIGHWAY

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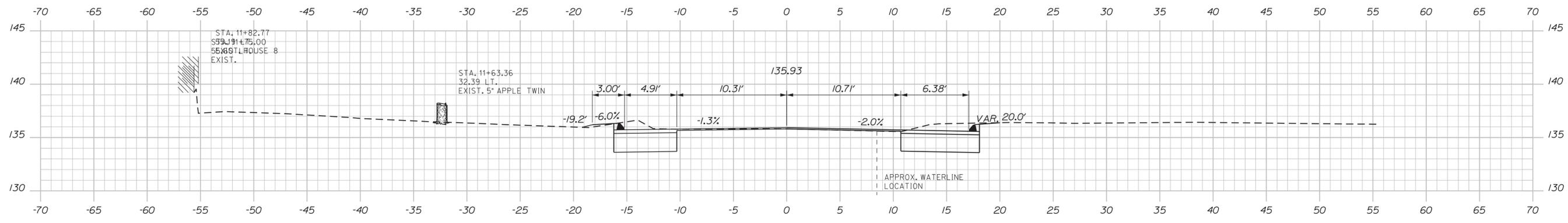


12+06.35



12+00.00

C = 31 CY
F = 1 CY



11+75.00

C = 32 CY
F = 1 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-2057(200)X
WINPIN
20572.00
HIGHWAY PLANS

PROJ. MANAGER: GORNEAU II
CHECKED: REVIEWED: ALC
DESIGNED: DETAILED:
SIGNATURE: 7960
P.E. NUMBER: June 15, 2015
DATE:

PROJ. MANAGER	DATE
GORNEAU II	6-15
CHECKED	6-15
DESIGNED	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

ORRINGTON
SNOWS CORNER ROAD
CROSS SECTIONS

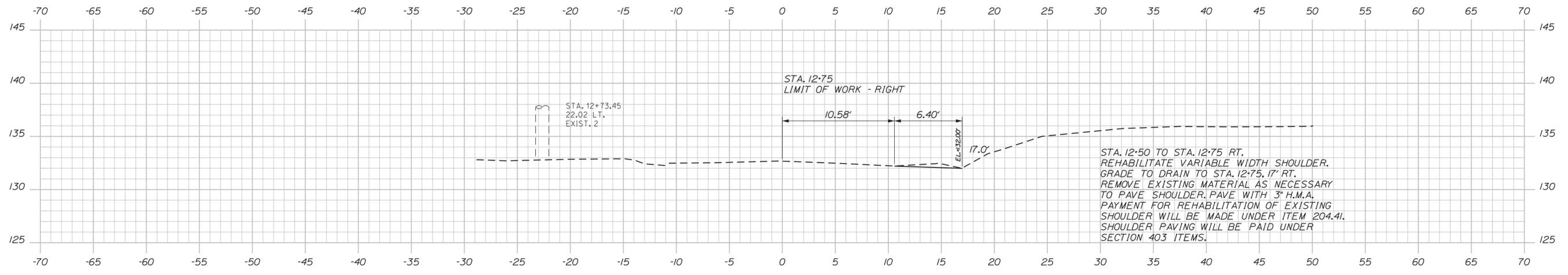
SHEET NUMBER
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OF 11

Date: 6/17/2015

Username: common

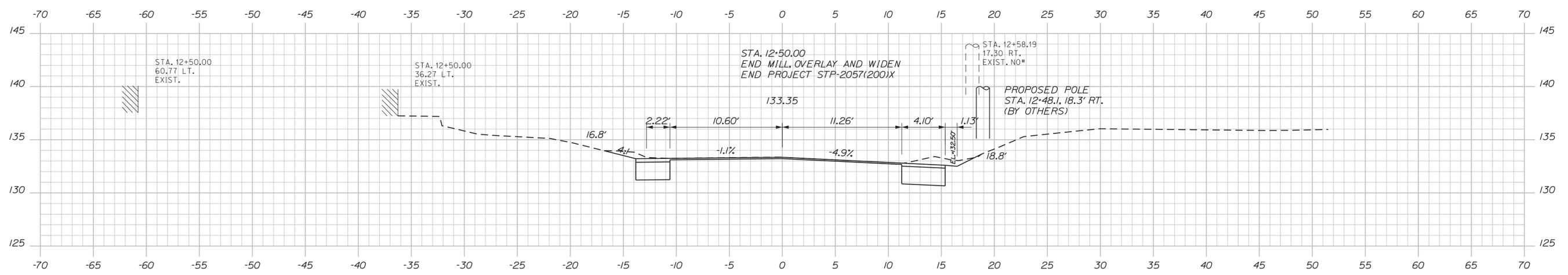
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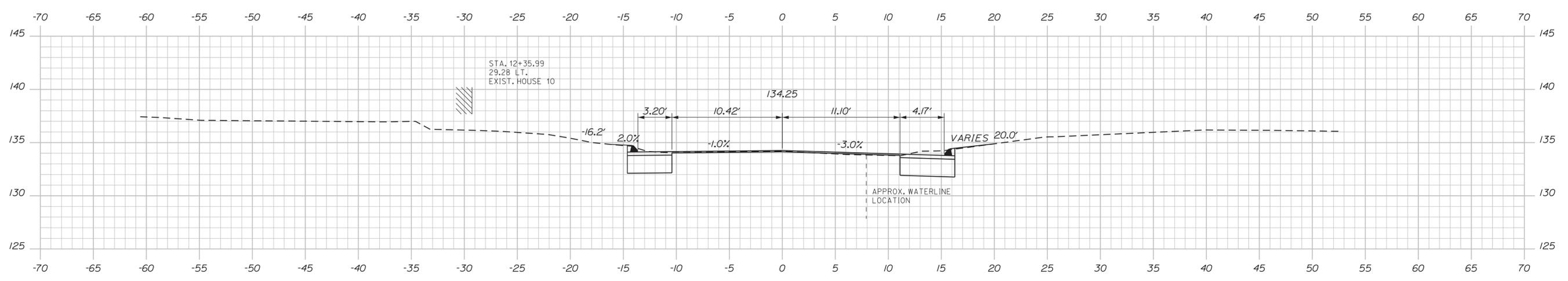
12+75.00

C = 6 CY
F = 0 CY



12+50.00

C = 18 CY
F = 0 CY



12+25.00

C = 37 CY
F = 0 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-2057(200)X
WIN
20572.00
HIGHWAY PLANS

DATE	6-15	SIGNATURE	7960
BY	JLE	P.E. NUMBER	June 15, 2015
PROJ. MANAGER	GORNEAU II	DATE	

CHECKED	REVIEWED	DESIGNED	DATE
JLE	ALC	ALC	
DESIGNED	REVISIONS 1	REVISIONS 2	REVISIONS 3
ALC	REVISIONS 4	REVISIONS 5	REVISIONS 6
	FIELD CHANGES		

ORRINGTON
SNOWS CORNER ROAD
CROSS SECTIONS

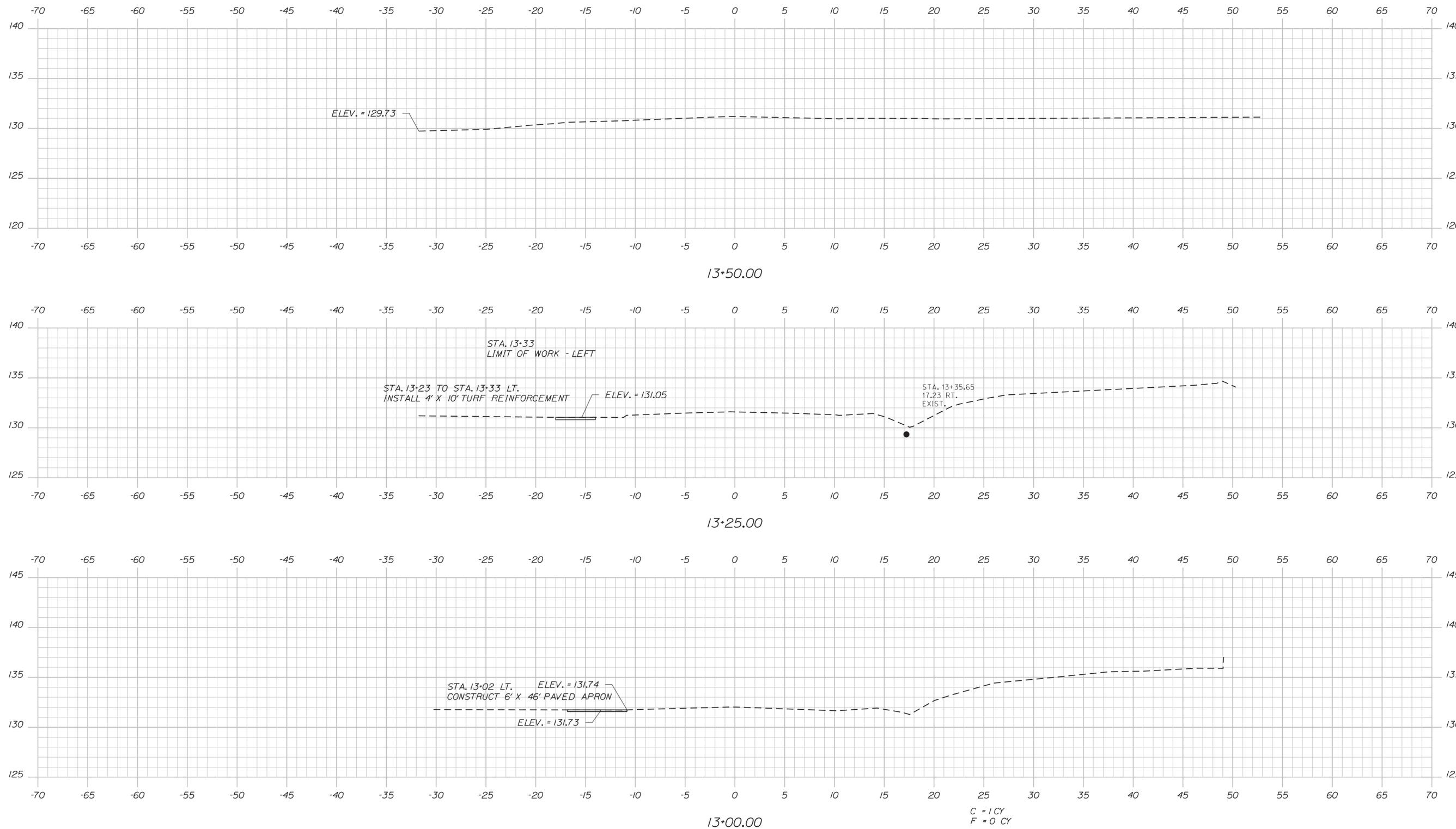
SHEET NUMBER
9
OF 11

Date: 6/17/2015

Username: common

Division: HIGHWAY

Filename: ... \MSTAD10_XSECT_13+00_005.dgn



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 STP-2057(200)X
 WIN
 20572.00
 HIGHWAY PLANS

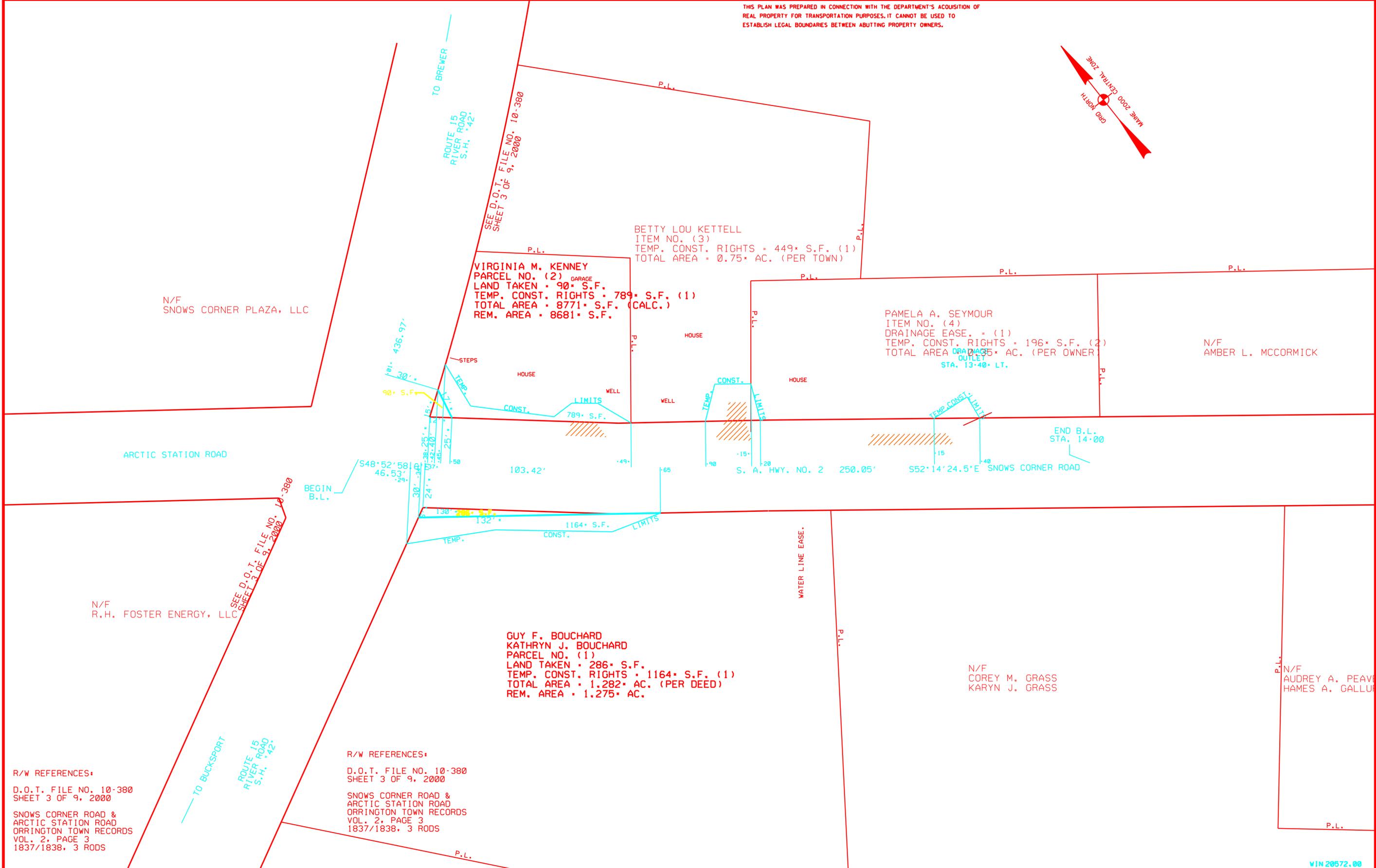
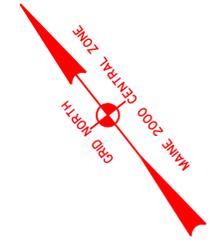
PROJ. MANAGER	BY	DATE
MANAGRELE CORNEAU II	JLE	6-15
DESIGN/DETAILED	JLE	6-15
CHECKED/REVIEWED	ALC	
DESIGN/DETAILED		
REVISIONS 1		
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FIELD CHANGES		

SIGNATURE	P.E. NUMBER	DATE
	7960	June 15, 2015

ORRINGTON
 SNOWS CORNER ROAD
 CROSS SECTIONS

SHEET NUMBER
10
 OF 11

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.



N/F SNOWS CORNER PLAZA, LLC

BETTY LOU KETTEL
ITEM NO. (3)
TEMP. CONST. RIGHTS = 449* S.F. (1)
TOTAL AREA = 0.75* AC. (PER TOWN)

VIRGINIA M. KENNEY
PARCEL NO. (2) GARAGE
LAND TAKEN = 90* S.F.
TEMP. CONST. RIGHTS = 789* S.F. (1)
TOTAL AREA = 8771* S.F. (CALC.)
REM. AREA = 8681* S.F.

PAMELA A. SEYMOUR
ITEM NO. (4)
DRAINAGE EASE. = (1)
TEMP. CONST. RIGHTS = 196* S.F. (2)
TOTAL AREA = 0.45* AC. (PER OWNER)

N/F AMBER L. MCCORMICK

N/F R.H. FOSTER ENERGY, LLC

GUY F. BOUCHARD
KATHRYN J. BOUCHARD
PARCEL NO. (1)
LAND TAKEN = 286* S.F.
TEMP. CONST. RIGHTS = 1164* S.F. (1)
TOTAL AREA = 1.282* AC. (PER DEED)
REM. AREA = 1.275* AC.

N/F COREY M. GRASS
KARYN J. GRASS

N/F AUDREY A. PEAVE
HAMES A. GALLUP

R/W REFERENCES:
D.O.T. FILE NO. 10-380
SHEET 3 OF 9, 2000

SNOWS CORNER ROAD &
ARCTIC STATION ROAD
ORRINGTON TOWN RECORDS
VOL. 2, PAGE 3
1837/1838, 3 RODS

R/W REFERENCES:
D.O.T. FILE NO. 10-380
SHEET 3 OF 9, 2000

SNOWS CORNER ROAD &
ARCTIC STATION ROAD
ORRINGTON TOWN RECORDS
VOL. 2, PAGE 3
1837/1838, 3 RODS

SYMBOLS

•	TOP OF PIPE (IRON PIPE OR PIN FOUND)	(WELL)
○	GRADING LIMIT LINE	
□	CONSTRUCTION LIMIT LINE	
—	PROPERTY LINE PL	
—	LIMITS OF WROUGHT PORTION (L.L. (A.W.P.))	
—	EXISTING RIGHT OF WAY	
—	NEW RIGHT OF WAY	
—	NEW FROM WITHIN EXIST. ROW	
—	CONTROL OF ACCESS	

ITEM	TECH	CHECKED
BASE MAP		
EXPOSED R/W	BDM	
PROP. LINES	BDM	
AREAS	BDM	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
ORRINGTON
RIGHT OF WAY MAP

REVISIONS			PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD					
NO.	DATE	DESCRIPTION	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE				

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE AID HIGHWAY NO. 2
SNOWS CORNER ROAD
ORRINGTON PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. STP-2057(200)

MARCH 2015
SCALE 1" = 25'

RIGHT-OF-WAY MAP
SHEET 1 OF 1

D.O.T. FILE NO. 10-490F 11

SHEET NUMBER
11

Date: \$date\$
User: \$user\$
Division: \$group\$
Filename: \$file\$

WIN 20572.00