

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



CARIBOU

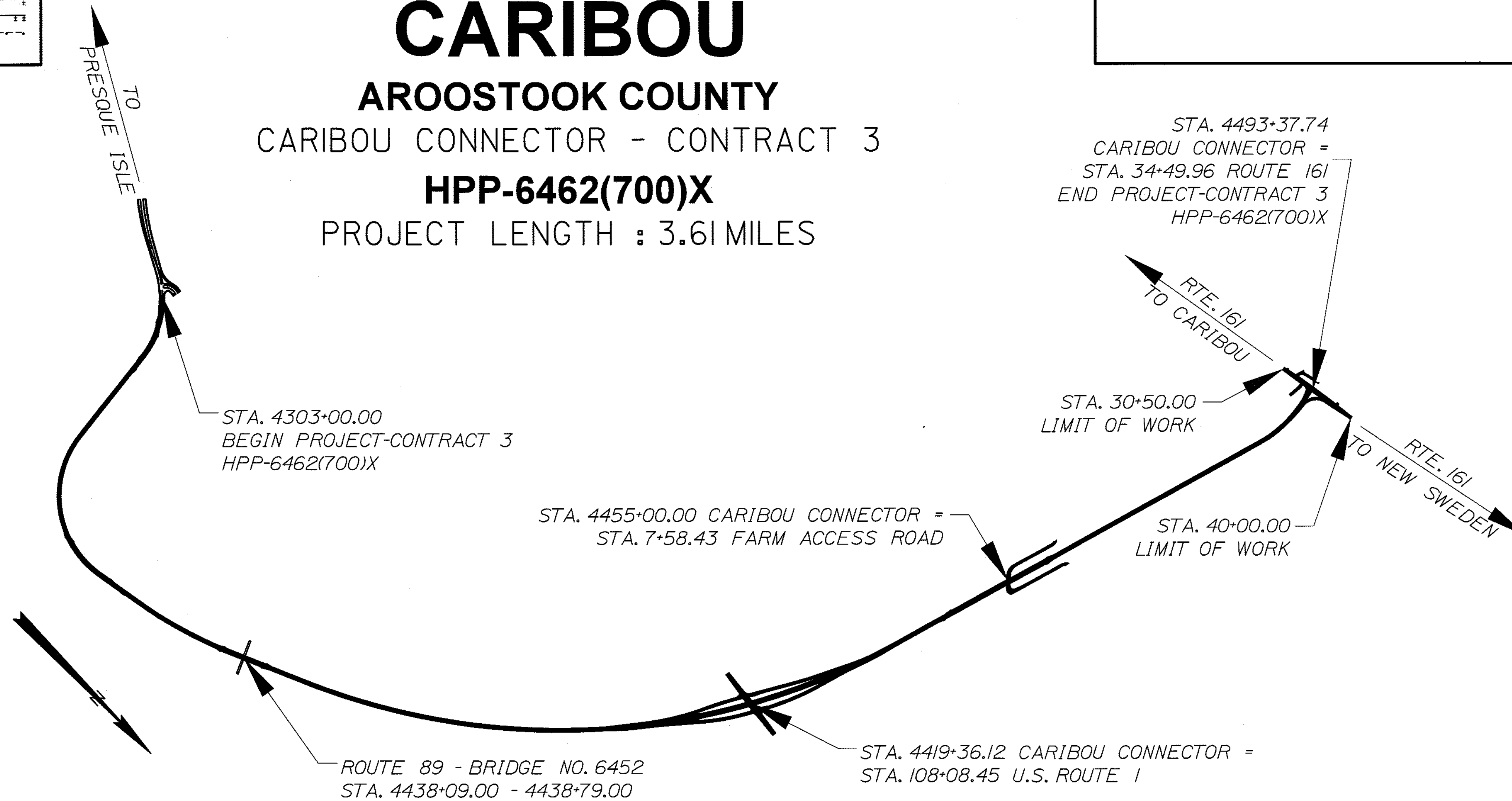
AROOSTOOK COUNTY
CARIBOU CONNECTOR - CONTRACT 3
HPP-6462(700)X
 PROJECT LENGTH : 3.61 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2 & 3
Plan Sheets	4 - 39
Lighting Plan	L1

PLAN LEGEND

Town, County, State	Centerline-Existing	Centerline-Proposed
Property Lines	Travelway-Existing	Travelway-Proposed
R/W Lines-Existing	Railroad	Catch Basins
R/W Lines-Proposed	Culvert-Existing	Catch Basins Existing
Culvert-Proposed	Culvert Proposed	Catch Basins Proposed
Curbing Existing	Curbing Proposed	Manholes Existing
Curbing Proposed	Type 1	Manholes Proposed
Type 1	Type 3	Proposed Underdrain
Type 3	Type 5	Proposed Ditch
Type 5	Outline of Bodies of Water	Existing Ditch
Ledge	Buildings	Utility Poles Existing
Buildings	Trees Conifer	Utility Poles Proposed
Trees Deciduous	Tree Line	Fire Hydrants Existing
Clearing Limit Line		Fire Hydrants Proposed
		Existing Water Line
		Existing San. Sewer
		Existing San. Sewer Manhole
		Guardrail-Existing
		Guardrail-Proposed
		Guardrail-Cable, Other



STA. 4493+37.74
 CARIBOU CONNECTOR =
 STA. 34+49.96 ROUTE 161
 END PROJECT-CONTRACT 3
 HPP-6462(700)X

STA. 4303+00.00
 BEGIN PROJECT-CONTRACT 3
 HPP-6462(700)X

STA. 4455+00.00 CARIBOU CONNECTOR =
 STA. 7+58.43 FARM ACCESS ROAD

STA. 30+50.00
 LIMIT OF WORK

STA. 40+00.00
 LIMIT OF WORK

ROUTE 89 - BRIDGE NO. 6452
 STA. 4438+09.00 - 4438+79.00

STA. 4419+36.12 CARIBOU CONNECTOR =
 STA. 108+08.45 U.S. ROUTE 1

TRAFFIC DATA

	CONNECTOR RTE. 1 TO RTE. 1	CONNECTOR RTE. 1 TO RTE. 161
Current (2010) AADT.....	4080	3920
Future (2030) AADT.....	4900	4700
DHV - % of AADT.....	10%	10%
Design Hour Volume.....	490	470
% Heavy Trucks (AADT).....	5%	5%
% Heavy Trucks (DHV).....	4%	4%
Directional Distribution (DHV).....	60%	60%
18 kip Equivalent P 2.0.....	147	136
18 kip Equivalent P 2.5.....	141	130
Design Speed (mph).....	55	55
Functional Class:.....	RURAL MINOR ARTERIAL	

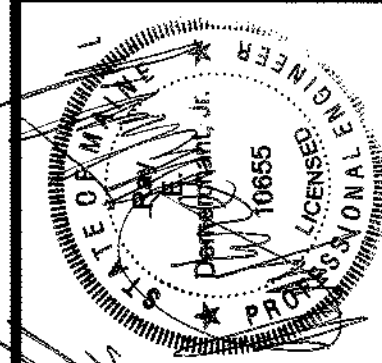
PROJECT LOCATION:	On the Caribou Connector: Beginning 0.30 miles northerly of High St. on Rte. 1 \ 89 and extending northerly 3.61 miles to the intersection of Rte. 161.
PROGRAM AREA:	Highway Program
SCOPE OF WORK:	Surface Pavement, Guardrail & R/W Fence Installation, Landscape and other incidental work.

WIN 6462.70 HPP-6462(700)X

CARIBOU CONNECTOR
TITLE SHEET

SHEET NUMBER
1
OF 1

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>	[Signature]	4/12/12
CHIEF ENGINEER: <i>[Signature]</i>		3/15/12



SIGNATURE	P.E. NUMBER	DATE
<i>[Signature]</i>	10665	3/15/12

PROJECT INFORMATION	HIGHWAY	JON BITHER
PROGRAM	PROJECT MANAGER	DESIGNER
CONSULTANT	PROJECT RESIDENT	CONTRACTOR
PROJECT COMPLETION DATE		

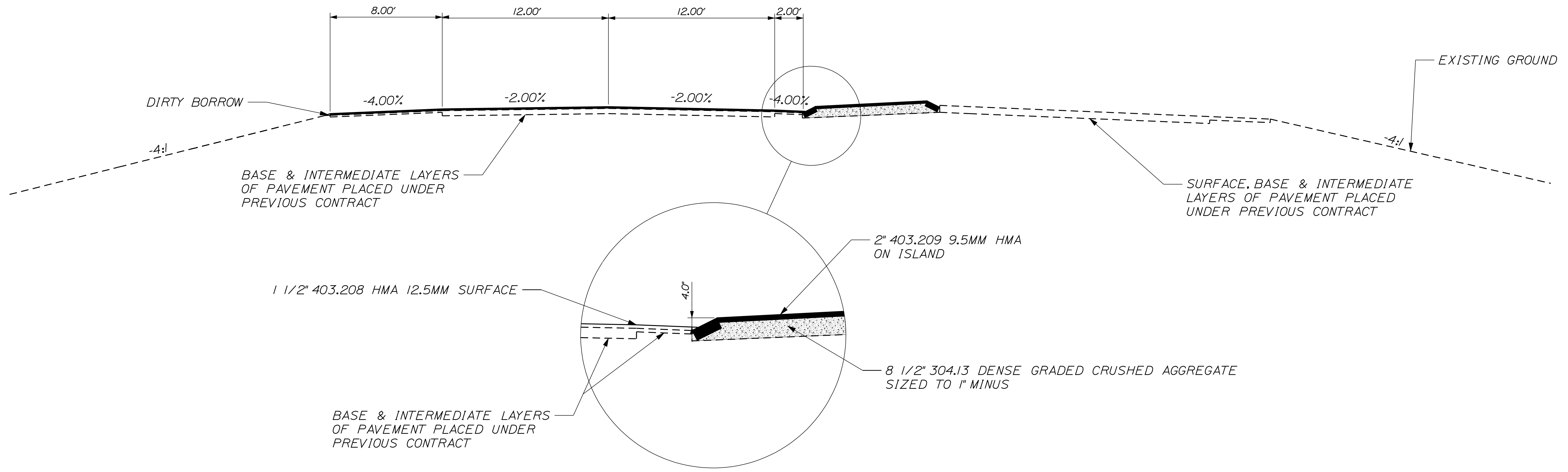
Filename: ... \highway\msta\003_Typical_2.dgn Division: HIGHWAY Username: Raymond.demarchant Date: 4/13/2012

TRAFFIC ISLAND DETAIL WITH TYPE 5 CURB INTERSECTION OF CARIBOU CONNECTOR & ROUTE 161

STATIONING FOR TYPE 5 CURB INSTALLATION
CONNECTOR MAILINE: 4491+67 TO 4493+19 RT
CONNECTOR TURN ROADWAY: 20+43 TO 22+55 LT
ROUTE 161: 34+64 TO 35+98 RT

NOTE:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
5. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.



CARIBOU CONNECTOR

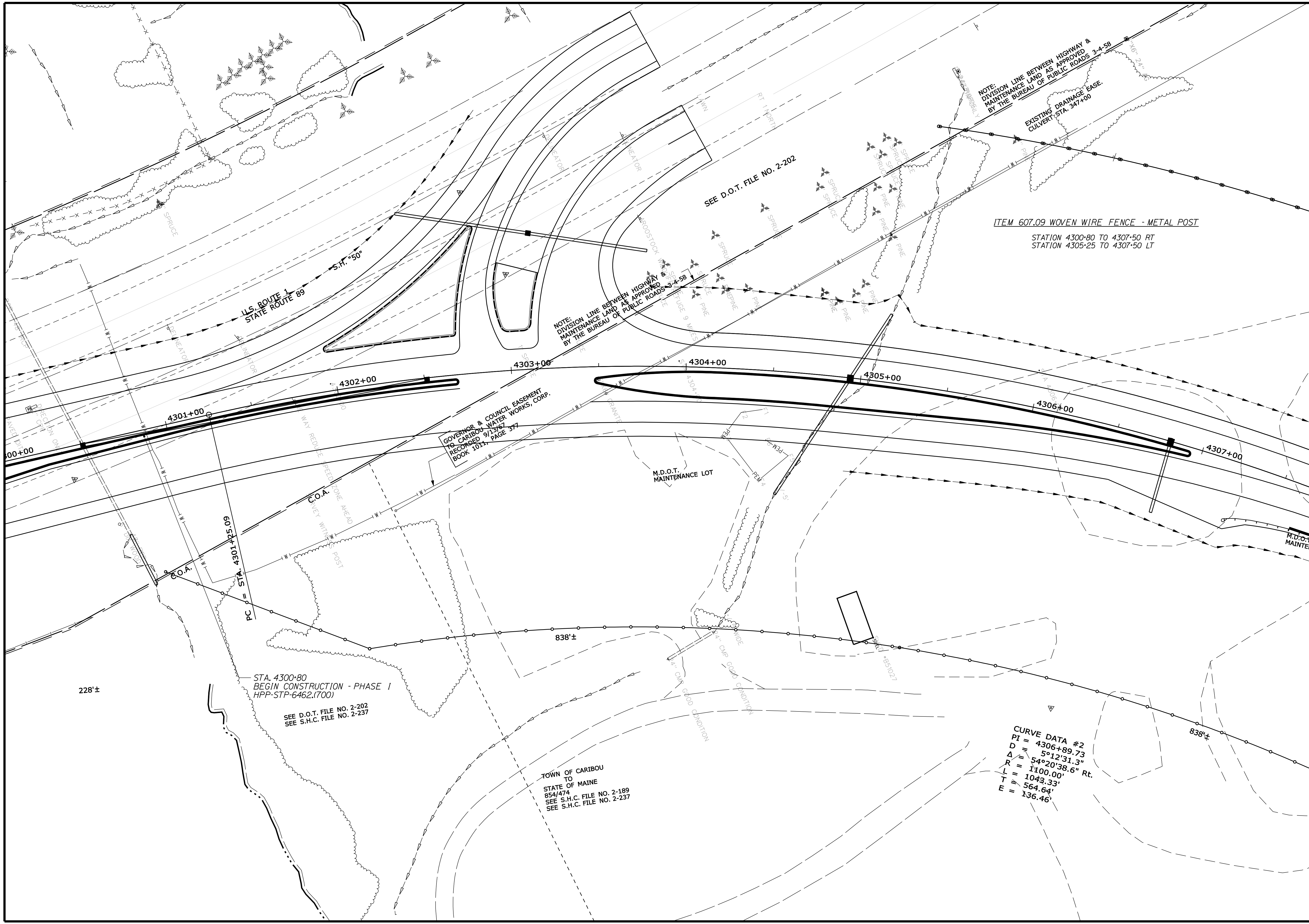
STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 HPP-6462(700)X
 WIN 6462.70
 HIGHWAY PLANS

PROJ. MANAGER	JOB BITHR	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN DETAILED	CHECKED-REVIEWED	DESIGN DETAILED	DESIGN DETAILED	DESIGN DETAILED	DESIGN DETAILED	DESIGN DETAILED
REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES		

CARIBOU CONNECTOR
 CARIBOU CONNECTOR
 TYPICAL SECTIONS

SHEET NUMBER
3
 OF 39

NOT TO SCALE



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HPP-6462(700)X

PROJ. MANAGER	DESIGN DETAILED	CHECKED	DESIGNED	DATE
JOHN BITHR	DESIGNER	DESIGNER	DESIGNER	DATE
BY	BY	BY	BY	DATE
DATE	DATE	DATE	DATE	DATE

CARIBOU
CARIBOU CONNECTOR
PLANS

SHEET NUMBER
4
OF 39

PIN
6462.70
HIGHWAY PLANS

ITEM 607.09 WOVEN WIRE FENCE - METAL POST
STATION 4300+80 TO 4307+50 RT
STATION 4305+25 TO 4307+50 LT

CURVE DATA #2
PI = 4306+89.73
D = 5°12'31.3"
R = 54°20'38.6" Rt.
L = 1100.00'
T = 1043.33'
E = 136.46'

STA. 4300+80
BEGIN CONSTRUCTION - PHASE I
HPP-STP-6462(700)
SEE D.O.T. FILE NO. 2-202
SEE S.H.C. FILE NO. 2-237

TOWN OF CARIBOU
TO
STATE OF MAINE
854/474
SEE S.H.C. FILE NO. 2-189
SEE S.H.C. FILE NO. 2-237

GOVERNOR & COUNCIL EASEMENT
FOR CARIBOU WATER WORKS, CORP.
RECORDED
BOOK 1017, PAGE 377
9/13/67

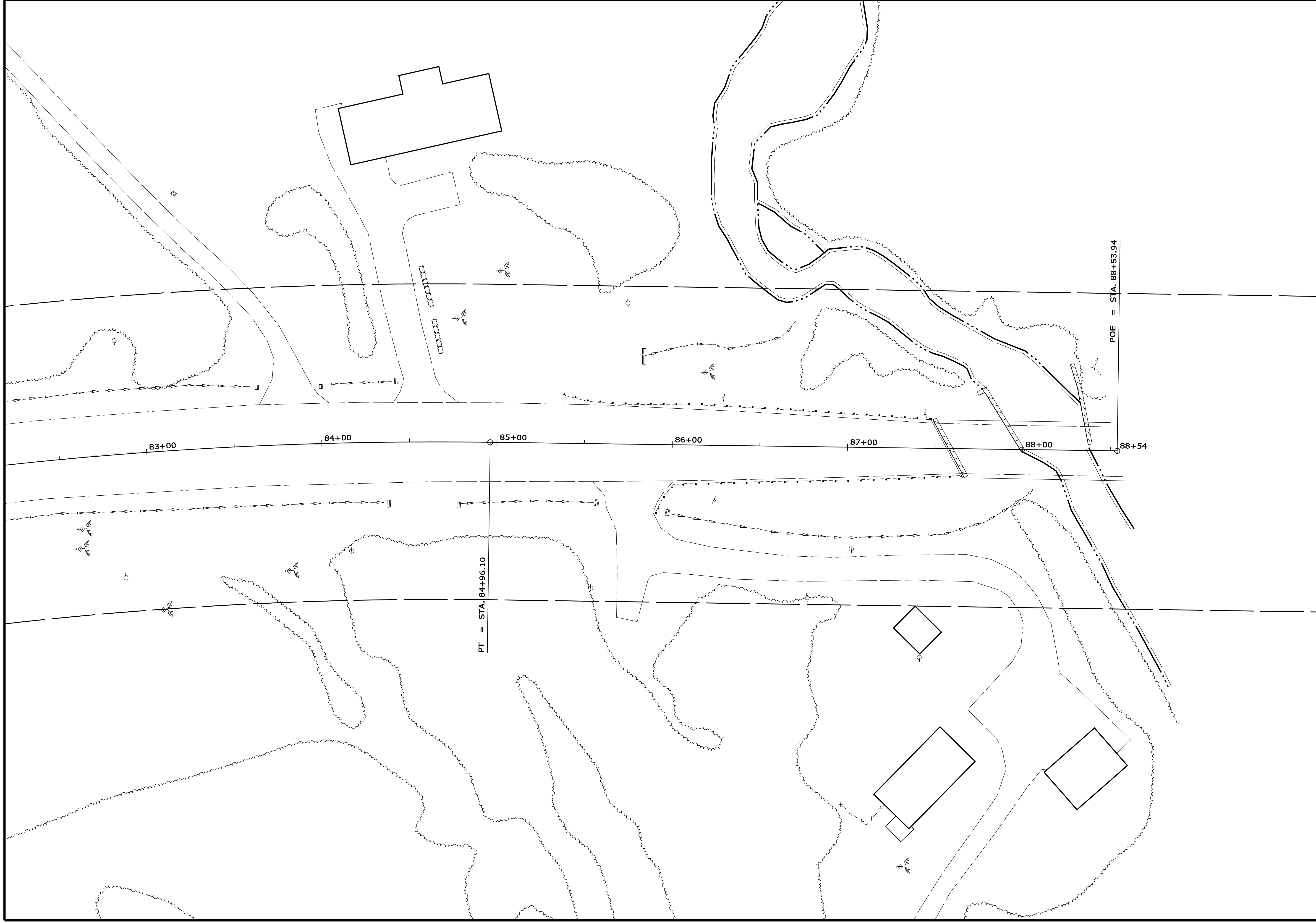
NOTE: DIVISION LINE BETWEEN HIGHWAY & MAINTENANCE LAND AS APPROVED BY THE BUREAU OF PUBLIC ROADS 3-4-58
SEE D.O.T. FILE NO. 2-202

NOTE: DIVISION LINE BETWEEN HIGHWAY & MAINTENANCE LAND AS APPROVED BY THE BUREAU OF PUBLIC ROADS 3-4-58

NOTE: DIVISION LINE BETWEEN HIGHWAY & MAINTENANCE LAND AS APPROVED BY THE BUREAU OF PUBLIC ROADS 3-4-58
EXISTING DRAINAGE EASE.
CULVERT STA. 347+00



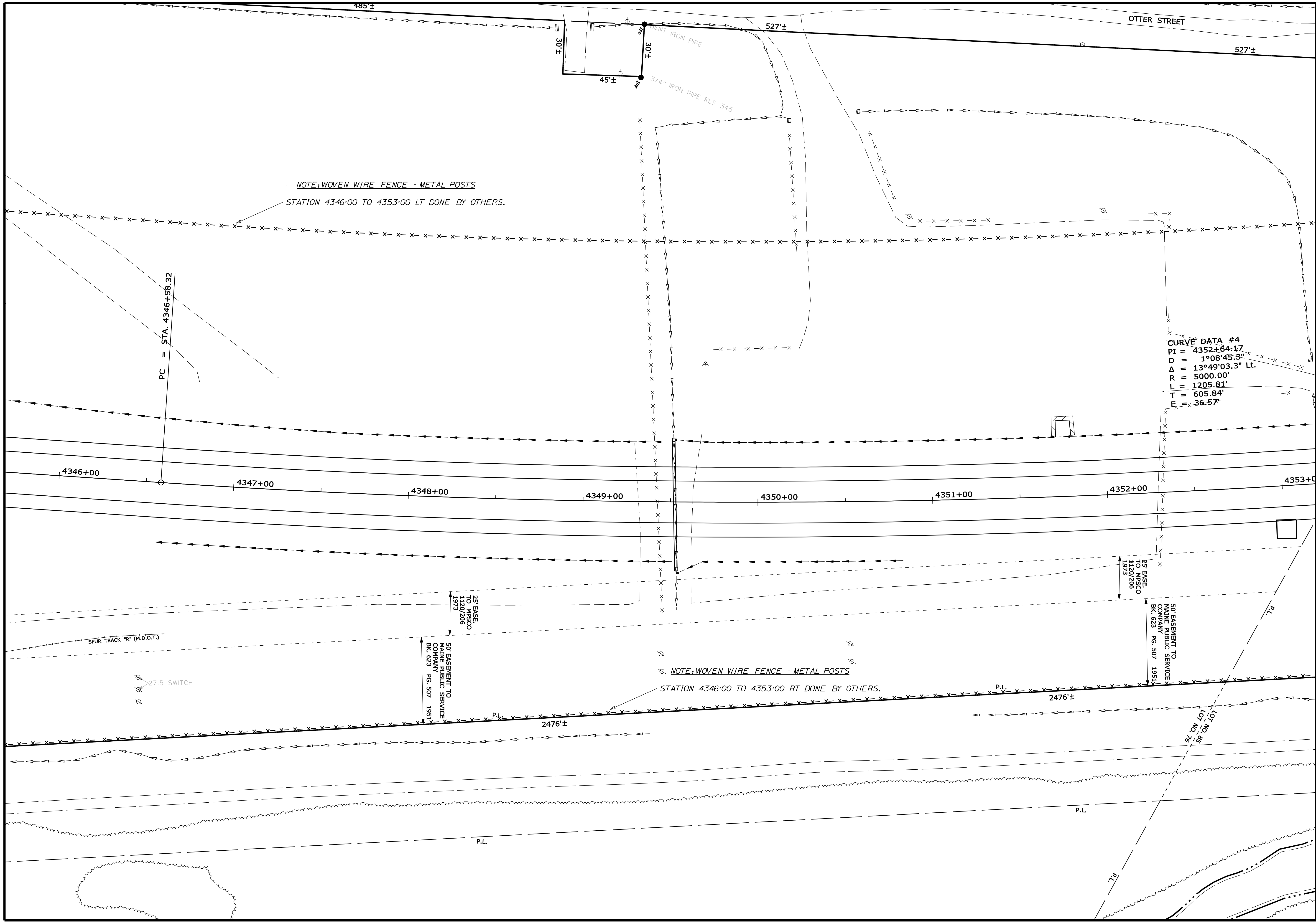
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HPP-6462(700)X		WIN 6462.70	
HIGHWAY PLANS		DATE	
PROJ. MANAGER	DESIGN-DETAILED	BY	DATE
DESIGNED	CHECKED	DESIGNED	CHECKED
REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
FIELD CHANGES	SIGNATURE		
CARIBOU CONNECTOR		P.E. NUMBER	
CARIBOU CONNECTOR		DATE	
PLANS		FIELD CHANGES	
SHEET NUMBER		DATE	
5		DATE	
OF 39		DATE	



SHEET NUMBER
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OF 39

CARIBOU
CARIBOU CONNECTOR
PLANS

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X		WIN	
6462.70		HIGHWAY PLANS	
PROJ. MANAGER	JOB BUILDER	BY	DATE
DESIGN-DETAILED	DESIGNER	DATE	DATE
CHECKED-REVIEWED	A.C.	DATE	DATE
DESIGN-DETAILED	DESIGNER	DATE	DATE
DESIGN-DETAILED	DESIGNER	DATE	DATE
REVISIONS 1	---	DATE	DATE
REVISIONS 2	---	DATE	DATE
REVISIONS 3	---	DATE	DATE
REVISIONS 4	---	DATE	DATE
FIELD CHANGES	---	DATE	DATE
SIGNATURE		SIGNATURE	
P.E. NUMBER		P.E. NUMBER	
DATE		DATE	



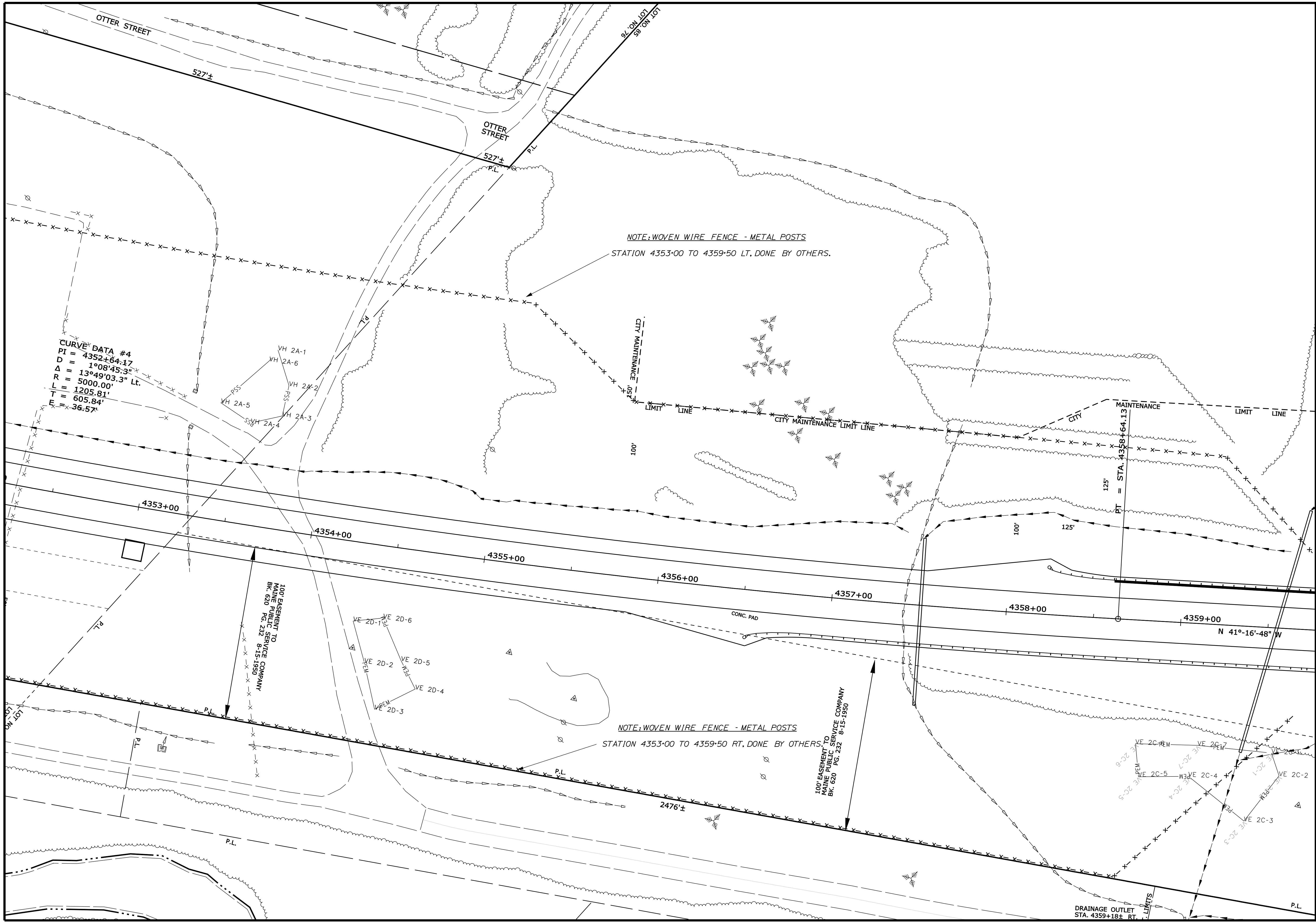
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HPP-6462(700)X
WIN
6462.70
HIGHWAY PLANS

PROJ. MGR.	DESIGNER	CHECKER	DATE
JOHN BITHER	...	...	...
DESIGN-DETAILED	DESIGNER	CHECKER	DATE
CHECKED-REVIEWED	A.G.	...	...
DESIGN-DETAILED	DESIGNER	CHECKER	DATE
DESIGN-DETAILED	DESIGNER	CHECKER	DATE
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

CARIBOU CONNECTOR
CARIBOU CONNECTOR
PLANS

SHEET NUMBER
14
OF 39

Filename: ... \highway\msta\015_HDPlan15.dgn Division: HIGHWAY Username: Raymond.demarchant Date: 4/13/2012



CURVE DATA #4
 PI = 4352+64.17
 D = 1°08'45.3"
 Δ = 13°49'03.3" Lt.
 R = 5000.00'
 L = 1205.81'
 T = 605.84'
 E = 36.57'

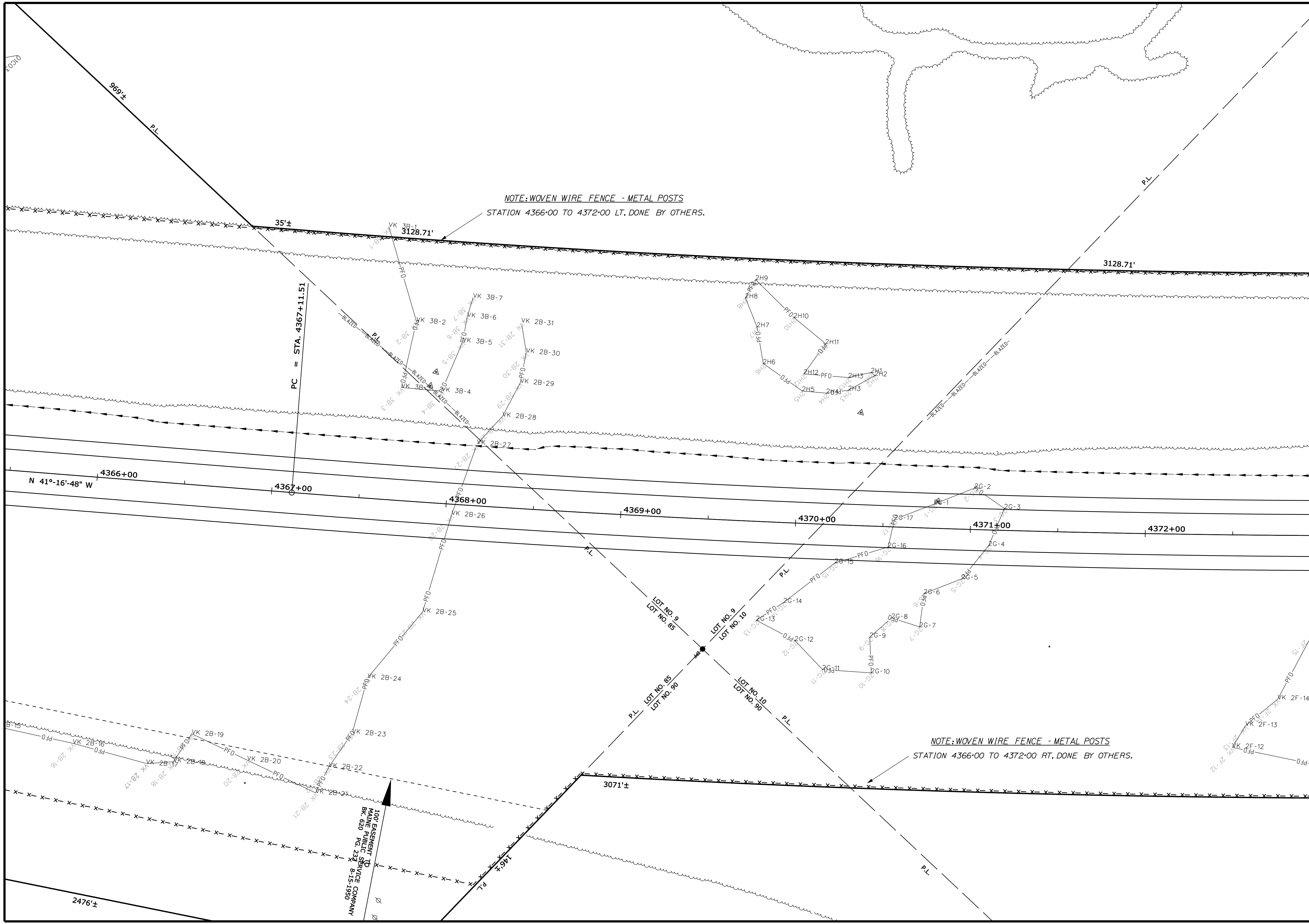
100' EASEMENT TO
 MAINE PUBLIC SERVICE COMPANY
 BK. 620 PG. 232 8-15-1930

100' EASEMENT TO
 MAINE PUBLIC SERVICE COMPANY
 BK. 620 PG. 232 8-15-1930

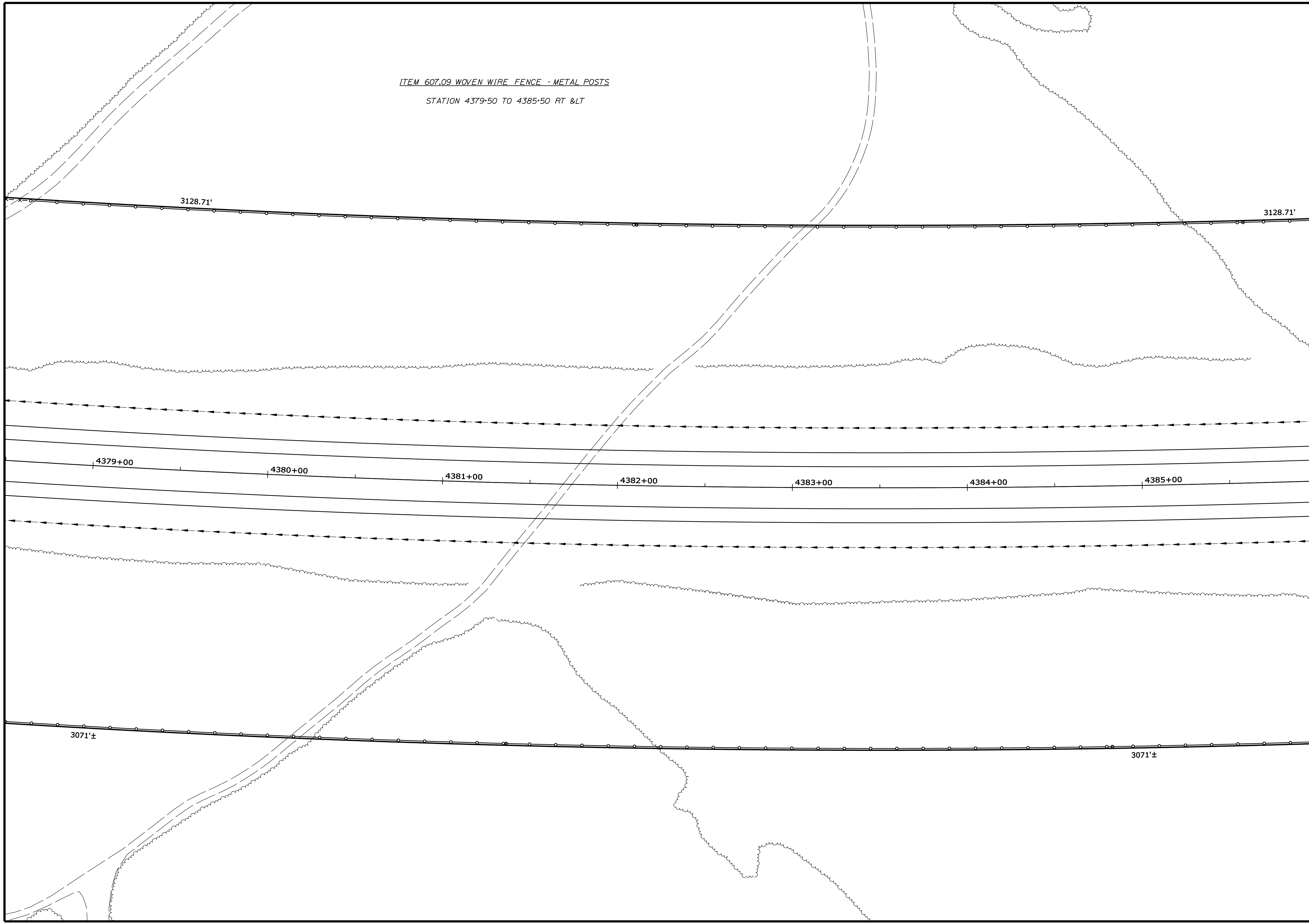
NOTE: WOVEN WIRE FENCE - METAL POSTS
 STATION 4353-00 TO 4359-50 LT. DONE BY OTHERS.

NOTE: WOVEN WIRE FENCE - METAL POSTS
 STATION 4353-00 TO 4359-50 RT. DONE BY OTHERS.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X		WIN 6462.70	
HIGHWAY PLANS		DATE	
SIGNATURE		P.E. NUMBER	
DATE		DATE	
PROJ. MANAGER	DESIGN DETAILER	DESIGN CHECKED	DESIGN APPROVED
DESIGNER	CHECKED	DESIGNED	APPROVED
DATE	DATE	DATE	DATE
REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
FIELD CHANGES	DATE	DATE	DATE
<p>CARIBOU CONNECTOR</p> <p>CARIBOU CONNECTOR</p> <p>PLANS</p>			
<p>SHEET NUMBER</p> <p>15</p> <p>OF 39</p>			



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X		PIN 6462.70 HIGHWAY PLANS	
PROJ. MANAGER	DESIGN DETAILER	BY	DATE
JOHN BITHR	DESIGNER	DATE	DATE
CHECKED	DESIGNED	BY	DATE
REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4
FIELD CHANGES	SIGNATURE		
P.E. NUMBER			DATE
SHEET NUMBER		17	
OF 39		CARIBOU CONNECTOR PLANS	



ITEM 607.09 WOVEN WIRE FENCE - METAL POSTS
STATION 4379+50 TO 4385+50 RT & LT

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X	
WIN	6462.70
HIGHWAY PLANS	

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

	SIGNATURE
	P.E. NUMBER
	DATE

CARIBOU CARIBOU CONNECTOR PLANS
SHEET NUMBER 19 OF 39

Username: Raymond.demarchant Date: 4/13/2012

Division: HIGHWAY

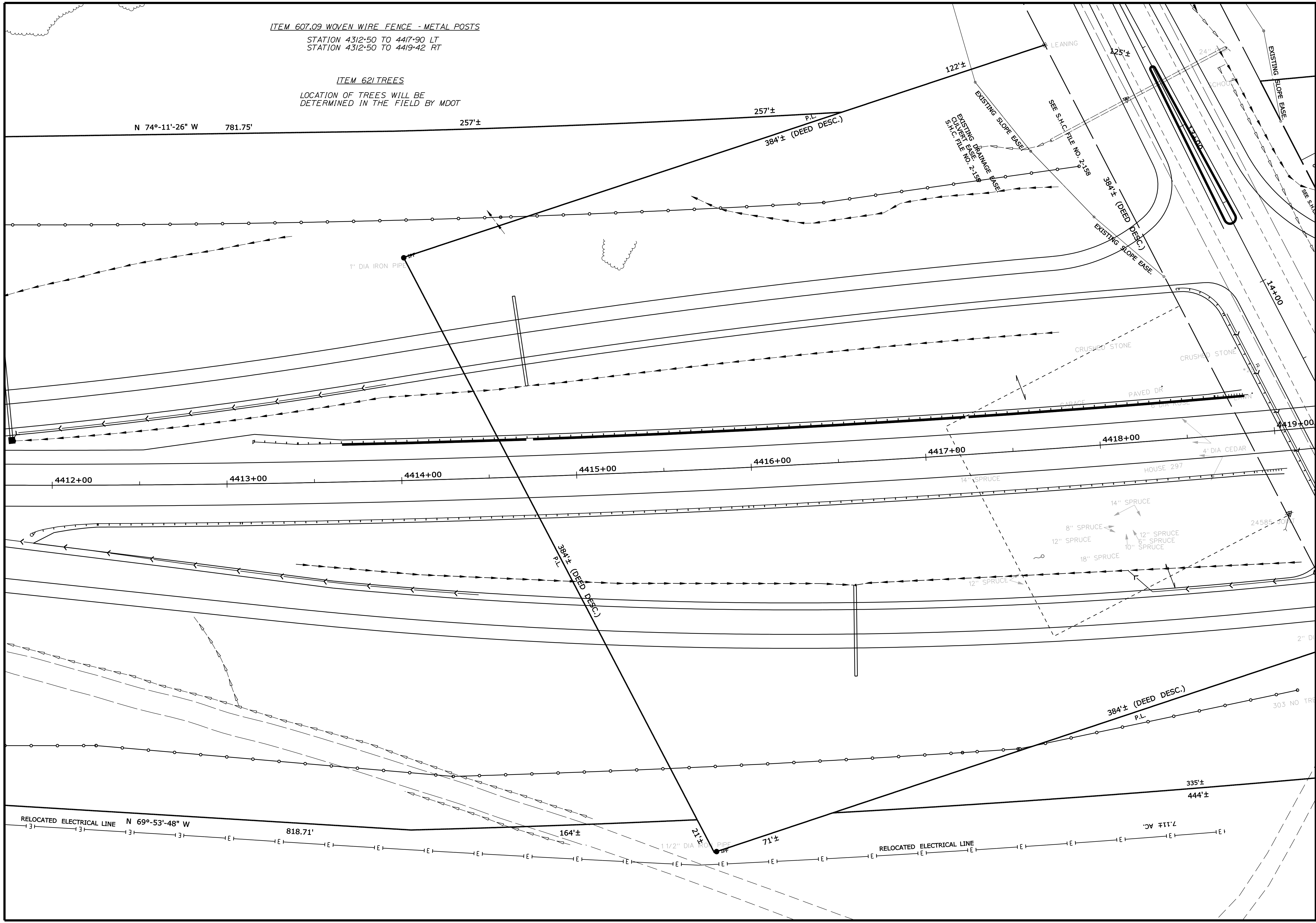
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ITEM 607.09 WOVEN WIRE FENCE - METAL POSTS

STATION 4312+50 TO 4417+90 LT
STATION 4312+50 TO 4419+42 RT

ITEM 621 TREES

LOCATION OF TREES WILL BE
DETERMINED IN THE FIELD BY MDOT

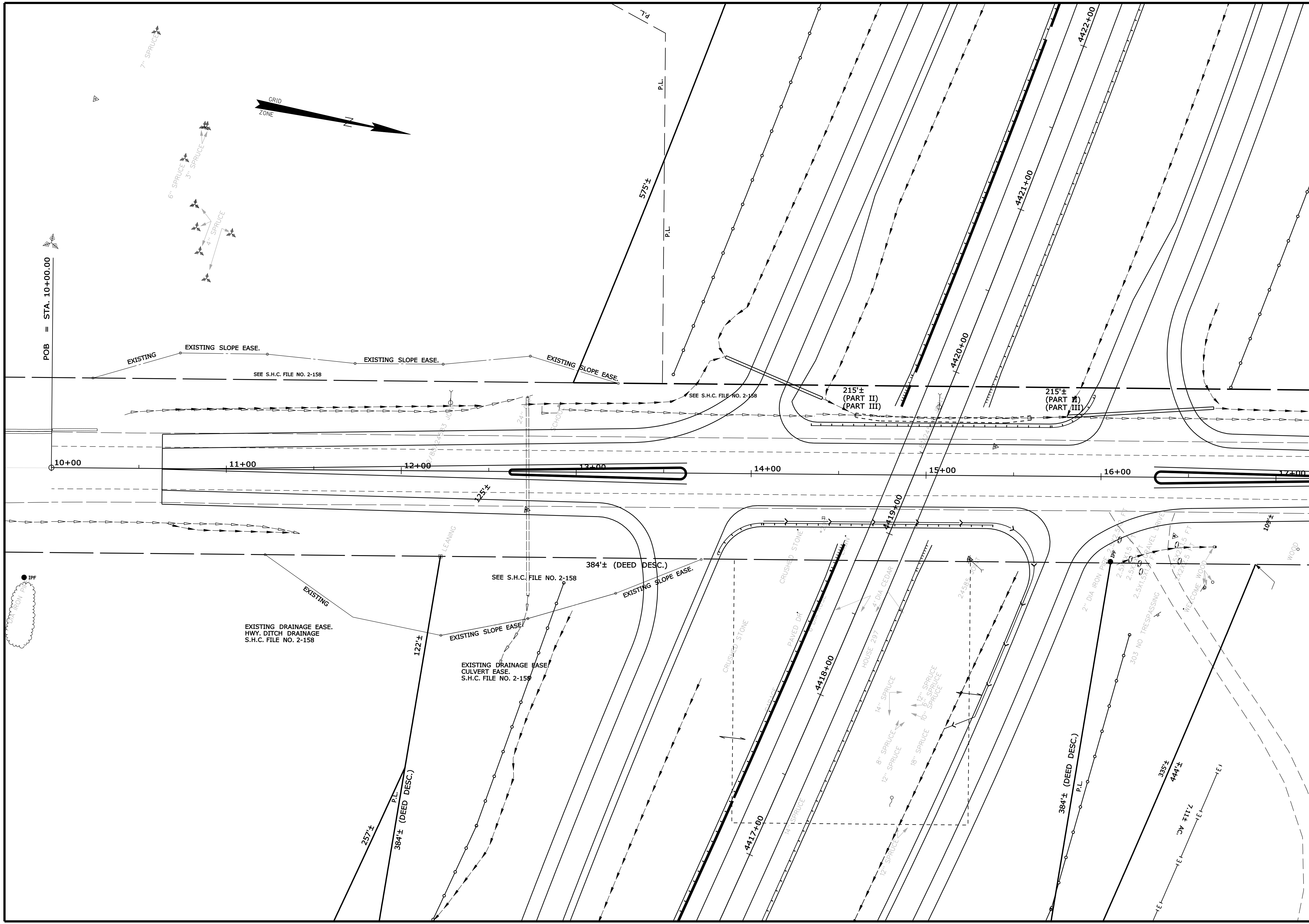


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HPP-6462(700)X
WIN 6462.70
HIGHWAY PLANS

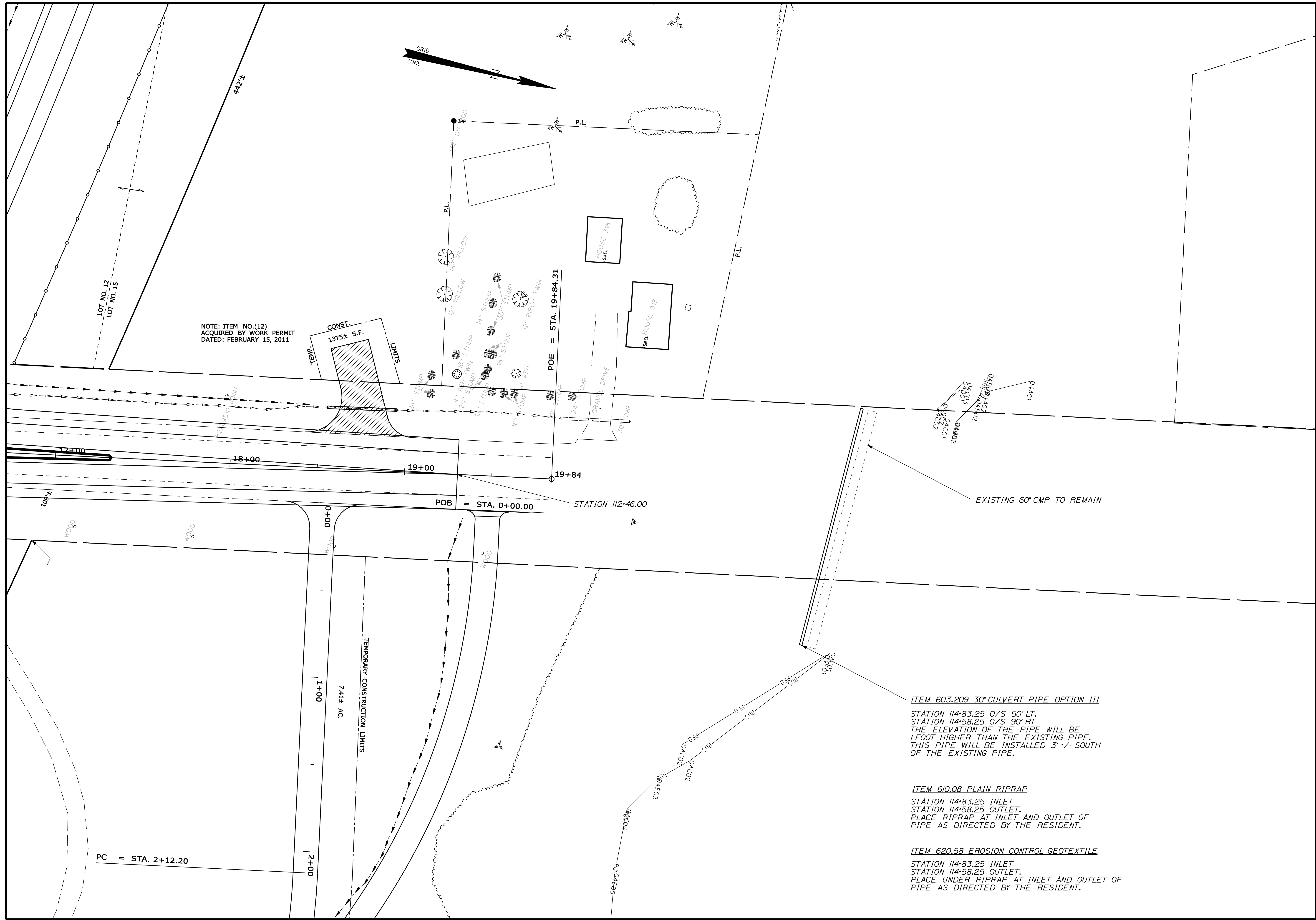
DATE	BY	PROJ. MGR.	DESIGN DET.	CHECKED	DATE	SIGNATURE
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CARIBOU CONNECTOR
CARIBOU CONNECTOR
PLANS

SHEET NUMBER
24
OF 39



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X		WIN 6462.70	
HIGHWAY PLANS			
		SIGNATURE	DATE
		P.E. NUMBER	DATE
		REVISIONS	DATE
		REVISIONS	DATE
		REVISIONS	DATE
		REVISIONS	DATE
FIELD CHANGES			
CARIBOU CONNECTOR		PLANS	
SHEET NUMBER		DATE	
25			
OF 39			



NOTE: ITEM NO.(12)
ACQUIRED BY WORK PERMIT
DATED: FEBRUARY 15, 2011

ITEM 603.209 30" CULVERT PIPE OPTION III
STATION 114+83.25 O/S 50' LT.
STATION 114+58.25 O/S 90' RT
THE ELEVATION OF THE PIPE WILL BE
1 FOOT HIGHER THAN THE EXISTING PIPE.
THIS PIPE WILL BE INSTALLED 3'-/- SOUTH
OF THE EXISTING PIPE.

ITEM 610.08 PLAIN RIPRAP
STATION 114+83.25 INLET
STATION 114+58.25 OUTLET.
PLACE RIPRAP AT INLET AND OUTLET OF
PIPE AS DIRECTED BY THE RESIDENT.

ITEM 620.58 EROSION CONTROL GEOTEXTILE
STATION 114+83.25 INLET
STATION 114+58.25 OUTLET.
PLACE UNDER RIPRAP AT INLET AND OUTLET OF
PIPE AS DIRECTED BY THE RESIDENT.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X		WIN 6462.70	
HIGHWAY PLANS		SIGNATURE	
DATE		P.E. NUMBER	
PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED	DESIGNER	DATE	DATE
CHECKED-REVIEWED	A.G.	DATE	DATE
DESIGNS DET AILED	DESIGNER	DATE	DATE
DESIGNS DET AILED	DESIGNER	DATE	DATE
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
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CARIBOU		SHEET NUMBER	
CARIBOU CONNECTOR		26	
PLANS		OF 39	

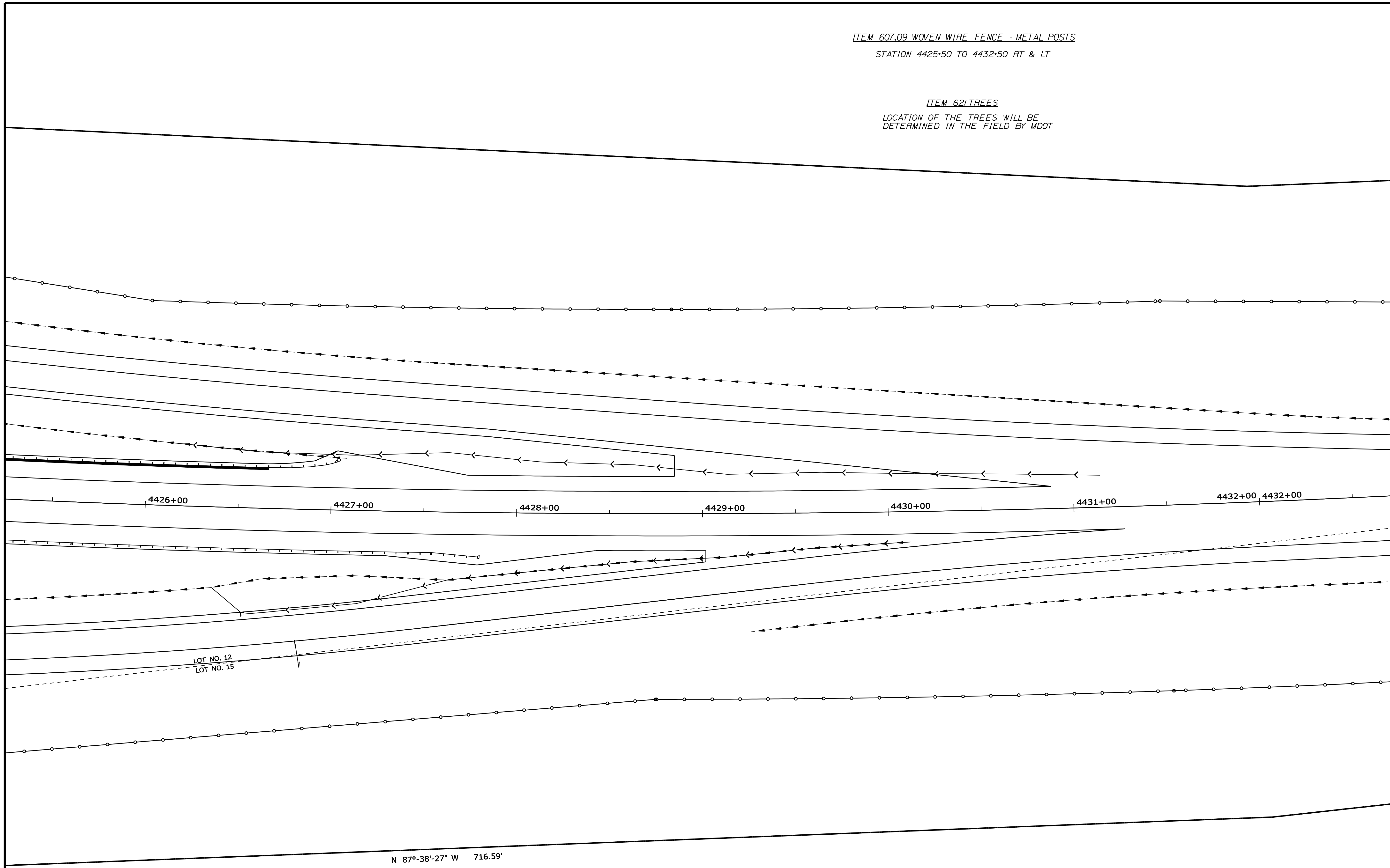
Username: Raymond.demarchant Date:4/3/2012

Division: HIGHWAY

Filename: ... \highway\msta\028_HDPlan28.dgn

ITEM 607.09 WOVEN WIRE FENCE - METAL POSTS
STATION 4425+50 TO 4432+50 RT & LT

ITEM 621 TREES
LOCATION OF THE TREES WILL BE
DETERMINED IN THE FIELD BY MDOT



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X		WIN 6462.70	
HIGHWAY PLANS		SHEET NUMBER	
28		OF 39	

PROJ. MANAGER	JOHN BITHER	BY	DATE
DESIGN-DETAILED	DESIGNER	BY	DATE
CHECKED-REVIEWED	A.C.	BY	DATE
DESIGN-DETAILED	DESIGNER	BY	DATE
DESIGN-DETAILED	DESIGNER	BY	DATE
REVISIONS 1	---	---	---
REVISIONS 2	---	---	---
REVISIONS 3	---	---	---
REVISIONS 4	---	---	---
FIELD CHANGES	---	---	---

SIGNATURE	---
P.E. NUMBER	---
DATE	---

CARIBOU
CARIBOU CONNECTOR
PLANS

627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINES

-PAINT EDGE LINE FROM STATION 4437+00 TO 4439+50 O/S 12' RT & LT OF CENTER LINE.

-PAINT CENTER LINE FROM STATION 4437+00 TO 4439+50.

ITEM 607.09 WOVEN WIRE FENCE - METAL POSTS

STATION 4432+50 TO 4439+50 RT & LT

ITEM 621 TREES

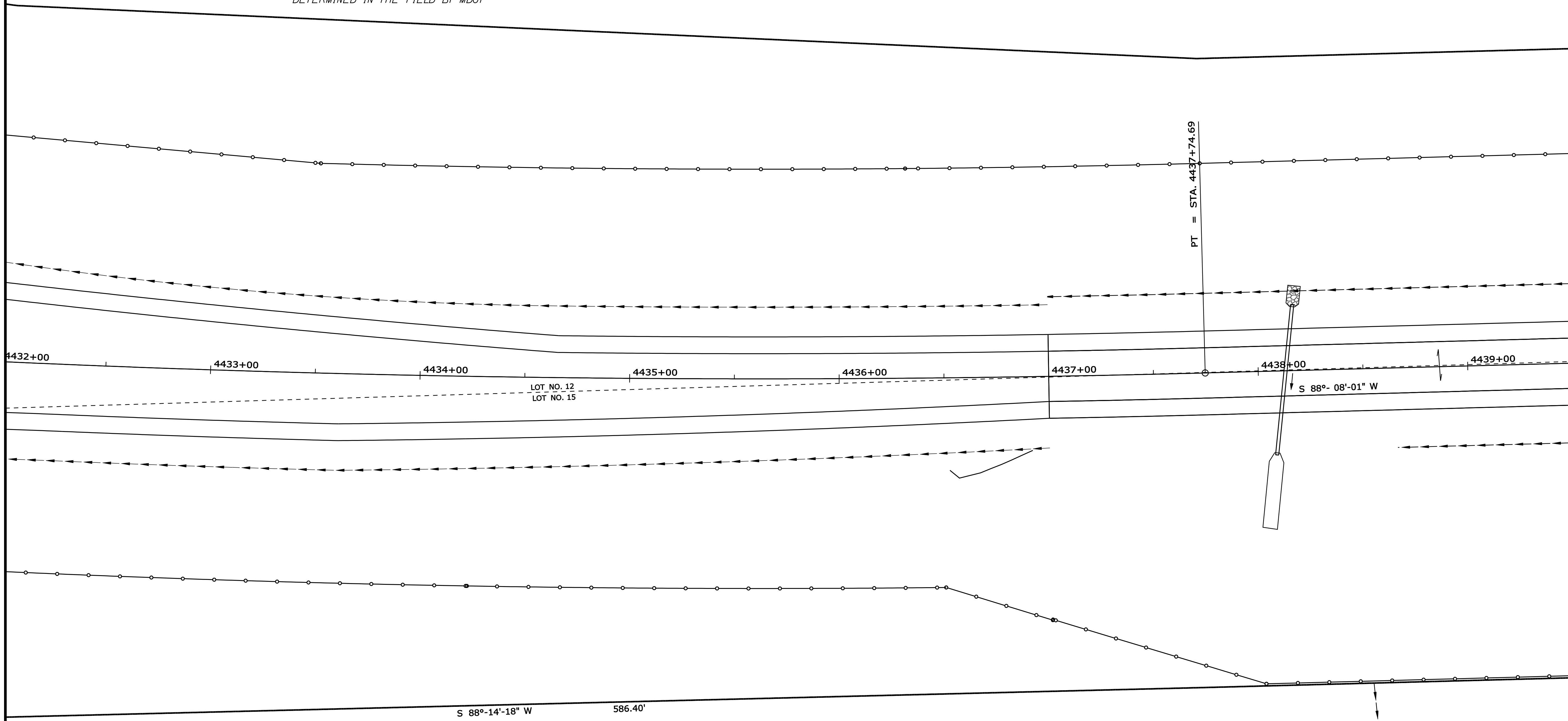
LOCATION OF THE TREES WILL BE DETERMINED IN THE FIELD BY MDOT

ITEM 203.242 DIRTY BORROW

STATION 4437+00 TO 4439+00 RT & LT. PLACE BESIDE PAVEMENT. 2' WIDE X 2' AVG. DEPTH. THE PAYMENT OF THE DIRTY BORROW WILL BE IN PLACE MEASURE.

ITEM 403.208 HOT MIX ASPHALT 12.5mm (SURFACE)

STATION 4437+00 TO 4439+00 RT & LT. MAINLINE & SHOULDERS.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HPP-6462(700)X
WIN
6462.70
HIGHWAY PLANS

PROJ. MANAGER	DESIGN DETAILED	CHECKED/REVIEWED	DATE
JON BITHER	DESIGNER	A.G.	---
	DESIGN DETAILED	DESIGNER	---
	REVISIONS 1	---	---
	REVISIONS 2	---	---
	REVISIONS 3	---	---
	REVISIONS 4	---	---
	FIELD CHANGES	---	---

CARIBOU
CARIBOU CONNECTOR
PLANS

SHEET NUMBER
29
OF 39

Username: Raymond.demarchant Date: 4/13/2012

Division: HIGHWAY

Filename: ... \highway\insta\029_HDPlan29.dgn

ITEM 607.09 WOVEN WIRE FENCE - METAL POSTS
STATION 4439+50 TO 4446+00 RT & LT

ITEM 621 TREES

LOCATION OF THE TREES WILL BE
DETERMINED IN THE FIELD BY MDOT

627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINES

-PAINT CENTER LINE AT STATION 4439+50 TO 4446+00
-PAINT EDGE LINE AT STATION 4439+50 TO 4446+00 O/S 12' RT & LT OF CENTER LINE.

ITEM 606.79 GUARDRAIL 350 FLARED TERMINAL

STATION 4444+59 TO 4444+96.5 LT
STATION 4443+53 TO 4443+90.5 RT

ITEM 606.23 GR TP 3C - SINGLE RAIL

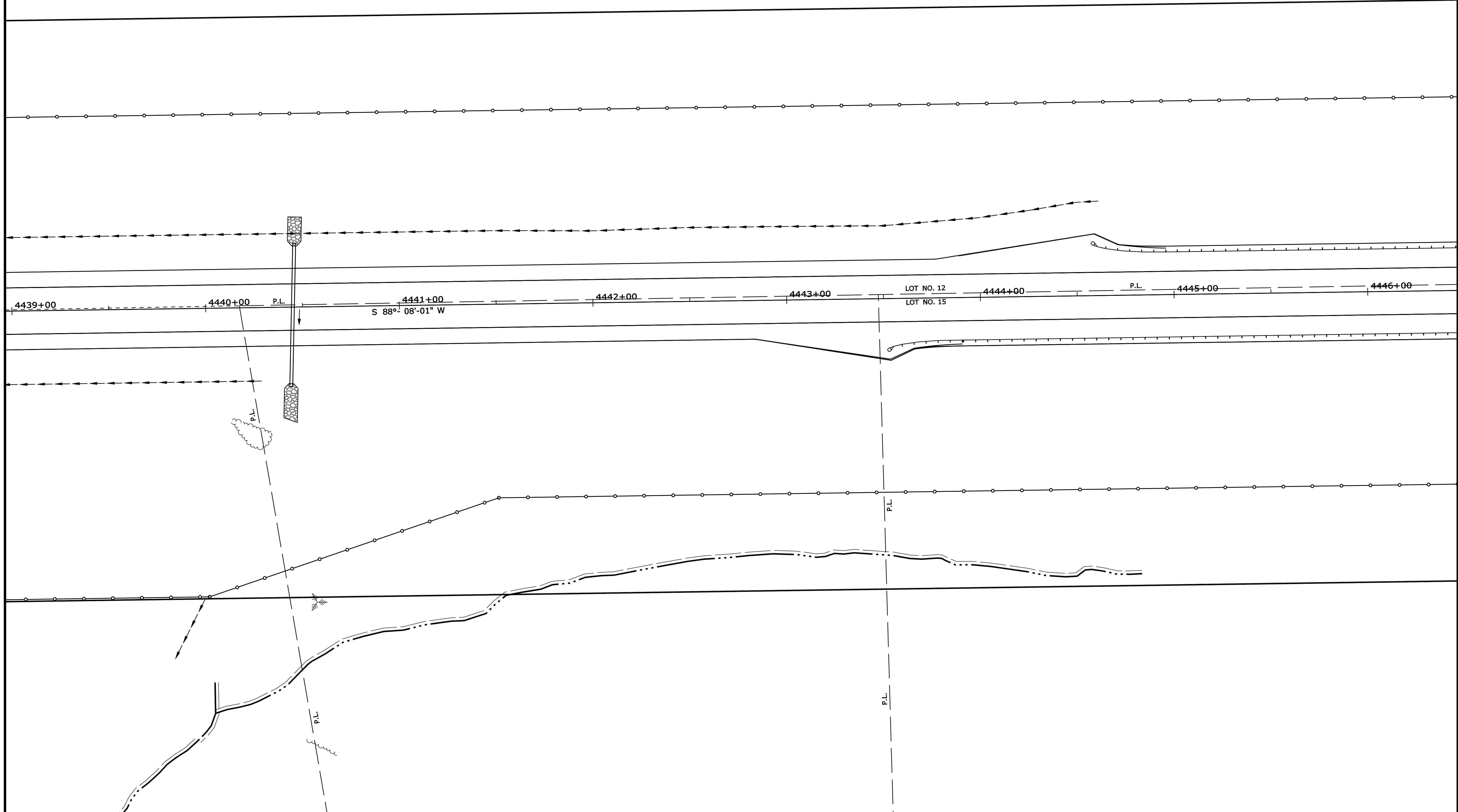
STATION 4444+96.5 TO 4446+00 LT
STATION 4443+90.5 TO 4446+00 RT

ITEM 203.242 DIRTY BORROW

STATION 4439+00 TO 4446+00 RT & LT.
PLACE BESIDE PAVEMENT.
2' WIDE X 2' AVG. DEPTH. THE PAYMENT
OF THE DIRTY BORROW WILL
BE IN PLACE MEASURE.

ITEM 403.208 HOT MIX ASPHALT 12.5 mm (SURFACE)

STATION 4439+00 TO 4446+00 RT & LT.
MAINLINE & SHOULDERS.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HPP-6462(700)X
WIN 6462.70
HIGHWAY PLANS

PROJ. MANAGER	DESIGN DETAILED	CHECKED/REVIEWED	DESIGN DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
JOHN BITHER	DESIGNER	DESIGNER	DESIGNER	---	---	---	---	---
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE

CARIBOU
CARIBOU CONNECTOR
PLANS

SHEET NUMBER
30
OF 39

Username: Raymond.demarchant Date: 4/13/2012

Division: HIGHWAY

Filename: ... \highway\msta\030_HDPlan30.dgn

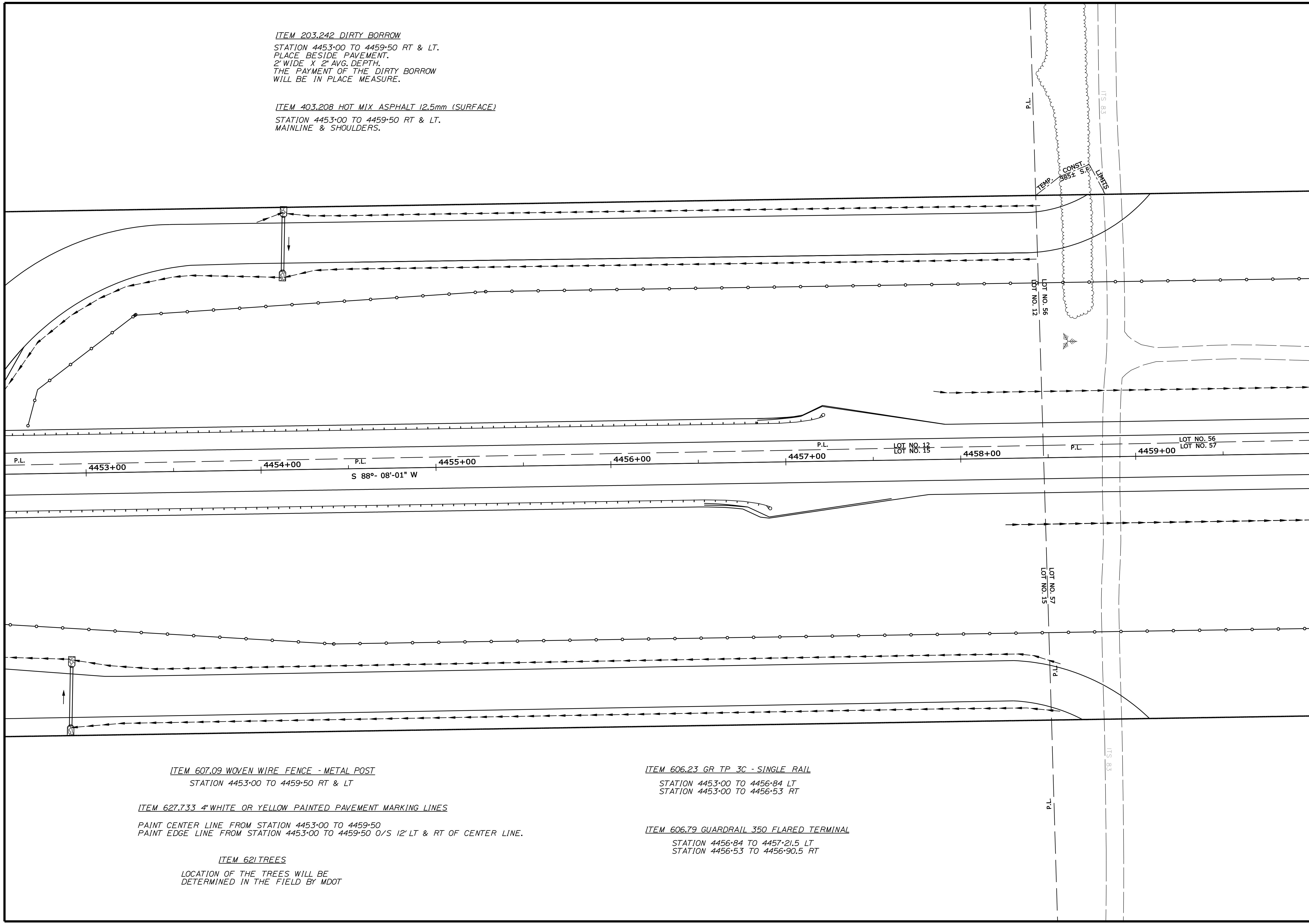
Username: Raymond.demarchant Date:4/13/2012

Division: HIGHWAY

Filename: ... \highway\msta\032_HDPlan32.dgn

ITEM 203.242 DIRTY BORROW
STATION 4453+00 TO 4459+50 RT & LT.
PLACE BESIDE PAVEMENT.
2' WIDE X 2' AVG. DEPTH.
THE PAYMENT OF THE DIRTY BORROW
WILL BE IN PLACE MEASURE.

ITEM 403.208 HOT MIX ASPHALT 12.5mm (SURFACE)
STATION 4453+00 TO 4459+50 RT & LT.
MAINLINE & SHOULDERS.



ITEM 607.09 WOVEN WIRE FENCE - METAL POST
STATION 4453+00 TO 4459+50 RT & LT

ITEM 627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINES
PAINT CENTER LINE FROM STATION 4453+00 TO 4459+50
PAINT EDGE LINE FROM STATION 4453+00 TO 4459+50 O/S 12' LT & RT OF CENTER LINE.

ITEM 621 TREES
LOCATION OF THE TREES WILL BE
DETERMINED IN THE FIELD BY MDOT

ITEM 606.23 GR TP 3C - SINGLE RAIL
STATION 4453+00 TO 4456+84 LT
STATION 4453+00 TO 4456+53 RT

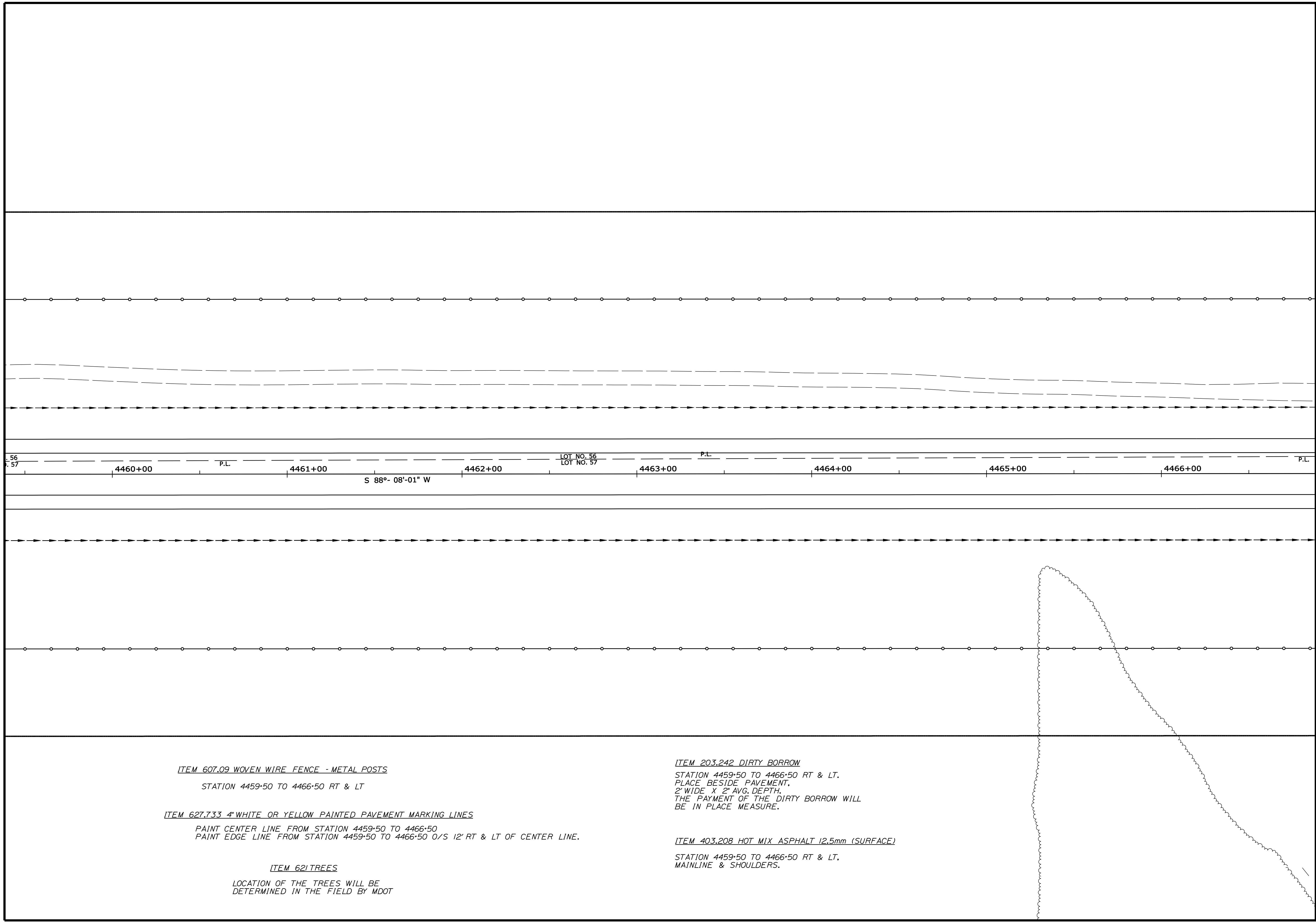
ITEM 606.79 GUARDRAIL 350 FLARED TERMINAL
STATION 4456+84 TO 4457+21.5 LT
STATION 4456+53 TO 4456+90.5 RT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HPP-6462(700)X
WIN 6462.70
HIGHWAY PLANS

PROJ. MGR	DESIGN DET	CHKD	DESIGN	DESIGN	DESIGN	REVISION	REVISION	REVISION	REVISION	FIELD	PROJ. MGR	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
MANAGER	DETAILED	REVIEWED	REVIEWED	REVIEWED	REVIEWED	1	2	3	4	CHANGES	MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE

CARIBOU CONNECTOR
CARIBOU CONNECTOR
PLANS

SHEET NUMBER
32
OF 39



ITEM 607.09 WOVEN WIRE FENCE - METAL POSTS
STATION 4459+50 TO 4466+50 RT & LT

ITEM 627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINES
PAINT CENTER LINE FROM STATION 4459+50 TO 4466+50
PAINT EDGE LINE FROM STATION 4459+50 TO 4466+50 O/S 12' RT & LT OF CENTER LINE.

ITEM 621 TREES
LOCATION OF THE TREES WILL BE
DETERMINED IN THE FIELD BY MDOT

ITEM 203.242 DIRTY BORROW
STATION 4459+50 TO 4466+50 RT & LT.
PLACE BESIDE PAVEMENT.
2' WIDE X 2' AVG. DEPTH.
THE PAYMENT OF THE DIRTY BORROW WILL
BE IN PLACE MEASURE.

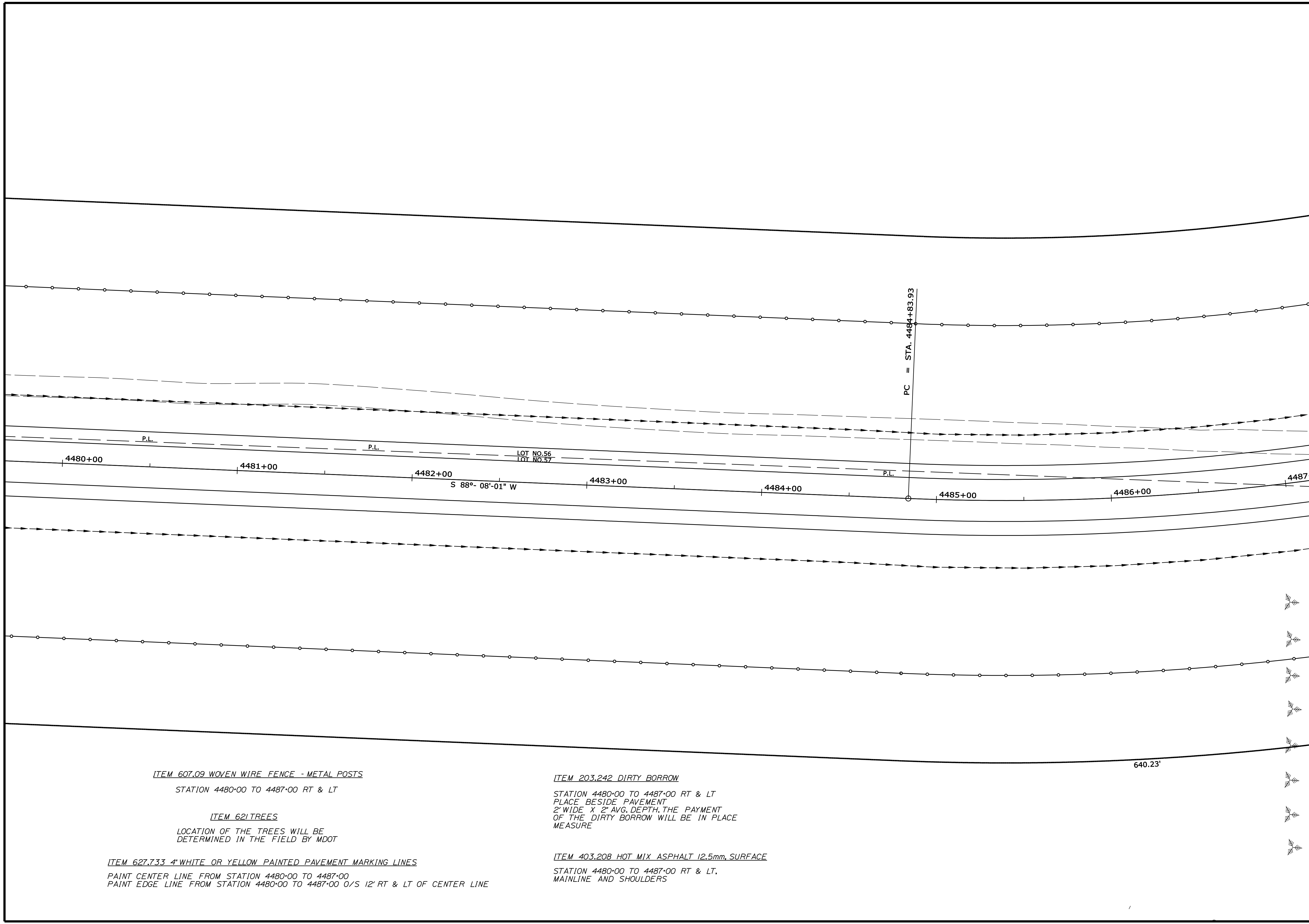
ITEM 403.208 HOT MIX ASPHALT 12.5mm (SURFACE)
STATION 4459+50 TO 4466+50 RT & LT,
MAINLINE & SHOULDERS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HPP-6462(700)X
WIN
6462.70
HIGHWAY PLANS

PROJ. MANAGER	JOHN BITHER	BY	DATE
CHECKED-DETAILED	DESIGNER	BY	DATE
DESIGN-REVIEWED	A.G.	BY	DATE
DESIGN-DETAILED	DESIGNER	BY	DATE
REVISIONS 1	---	BY	DATE
REVISIONS 2	---	BY	DATE
REVISIONS 3	---	BY	DATE
REVISIONS 4	---	BY	DATE
FIELD CHANGES	---	BY	DATE

CARIBOU CONNECTOR
CARIBOU CONNECTOR
PLANS

SHEET NUMBER
33
OF 39



ITEM 607.09 WOVEN WIRE FENCE - METAL POSTS
STATION 4480+00 TO 4487+00 RT & LT

ITEM 621 TREES
LOCATION OF THE TREES WILL BE
DETERMINED IN THE FIELD BY MDOT

ITEM 627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINES
PAINT CENTER LINE FROM STATION 4480+00 TO 4487+00
PAINT EDGE LINE FROM STATION 4480+00 TO 4487+00 O/S 12' RT & LT OF CENTER LINE

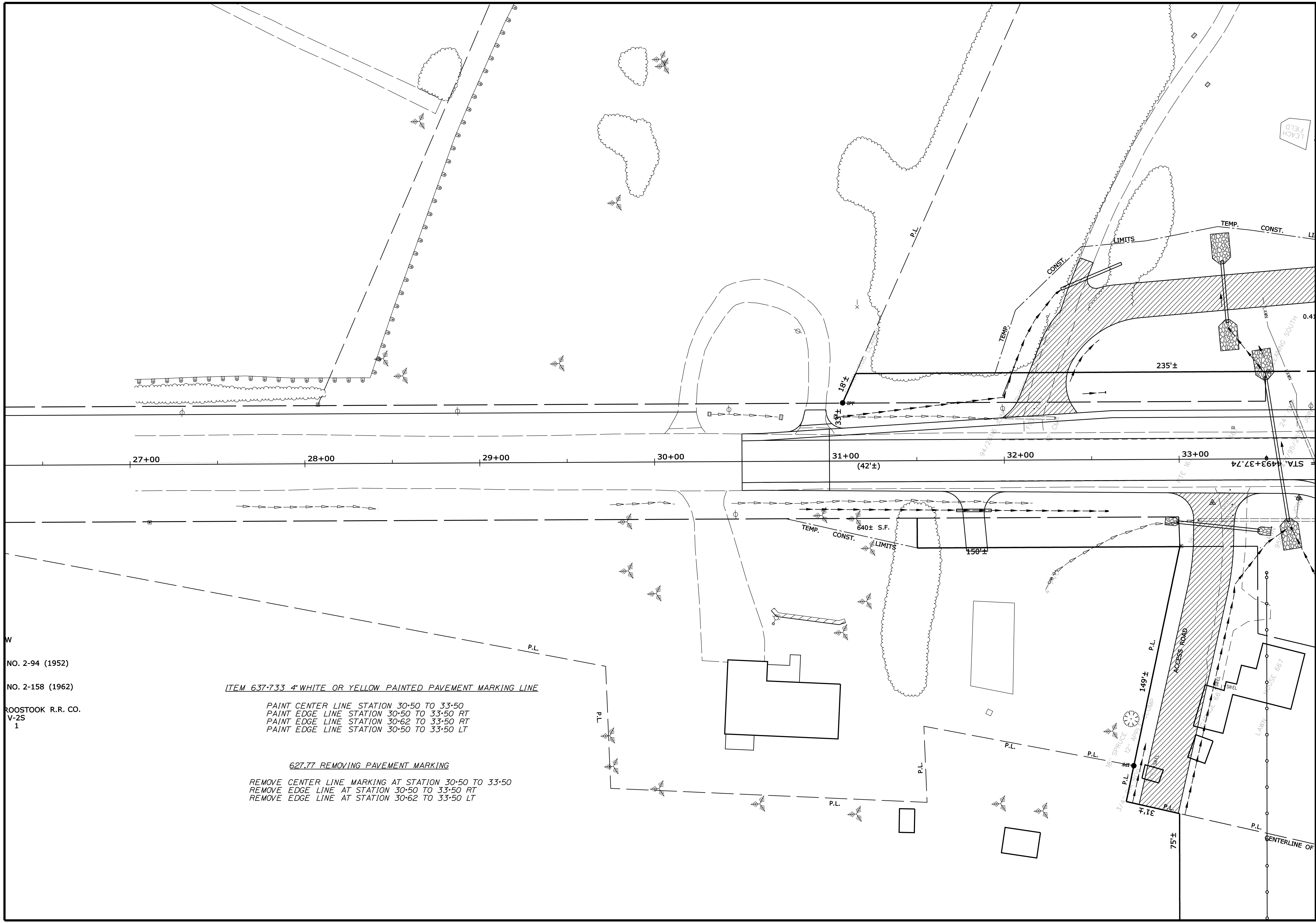
ITEM 203.242 DIRTY BORROW
STATION 4480+00 TO 4487+00 RT & LT
PLACE BESIDE PAVEMENT
2' WIDE X 2' AVG. DEPTH. THE PAYMENT
OF THE DIRTY BORROW WILL BE IN PLACE
MEASURE

ITEM 403.208 HOT MIX ASPHALT 12.5mm SURFACE
STATION 4480+00 TO 4487+00 RT & LT,
MAINLINE AND SHOULDERS

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X	
WIN	6462.70
HIGHWAY PLANS	

PROJ. MANAGER DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	JON BITHER A.G. A.G. A.G. --- --- --- --- ---
BY DESIGNER DESIGNER DESIGNER --- --- --- --- ---	DATE --- --- --- --- --- --- --- ---
SIGNATURE	
P.E. NUMBER	
DATE	

CARIBOU CARIBOU CONNECTOR PLANS
SHEET NUMBER 36 OF 39



NO. 2-94 (1952)
 NO. 2-158 (1962)
 ROOSTOOK R.R. CO.
 V-25
 1

ITEM 637-733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE
 PAINT CENTER LINE STATION 30-50 TO 33-50
 PAINT EDGE LINE STATION 30-50 TO 33-50 RT
 PAINT EDGE LINE STATION 30-62 TO 33-50 RT
 PAINT EDGE LINE STATION 30-50 TO 33-50 LT

627.77 REMOVING PAVEMENT MARKING
 REMOVE CENTER LINE MARKING AT STATION 30-50 TO 33-50
 REMOVE EDGE LINE AT STATION 30-50 TO 33-50 RT
 REMOVE EDGE LINE AT STATION 30-62 TO 33-50 LT

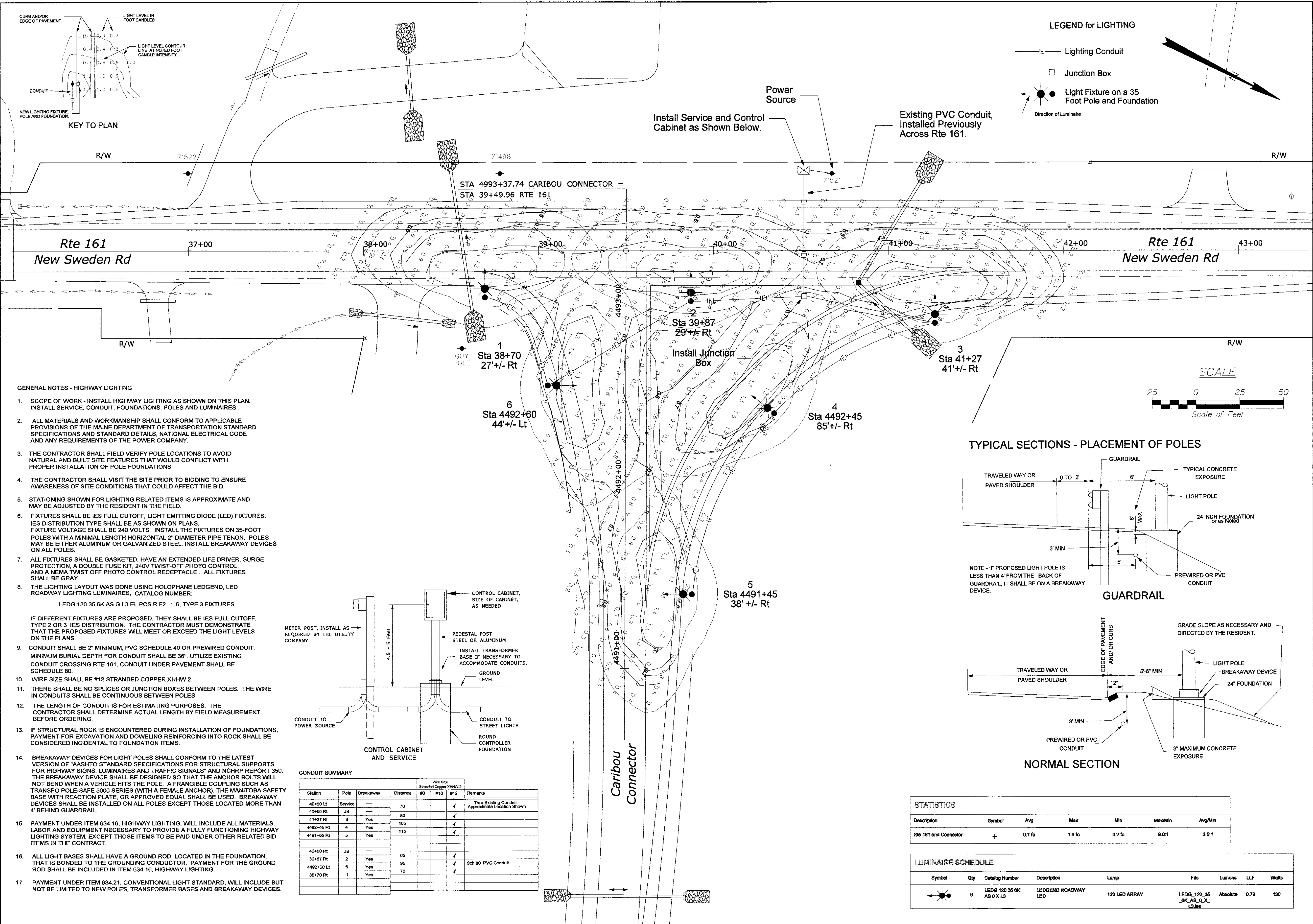
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
HPP-6462(700)X		WIN 6462.70	
HIGHWAY PLANS		SIGNATURE	
DATE		P.E. NUMBER	
PROJ. MANAGER		BY	
DESIGN DETAILED		CHECKED	
DESIGNED		DESIGNED	
REVISIONS 1		REVISIONS 2	
REVISIONS 3		REVISIONS 4	
FIELD CHANGES		DATE	
CARIBOU CONNECTOR		SHEET NUMBER	
CARIBOU CONNECTOR		38	
PLANS		OF 39	

Date: 3/21/2012

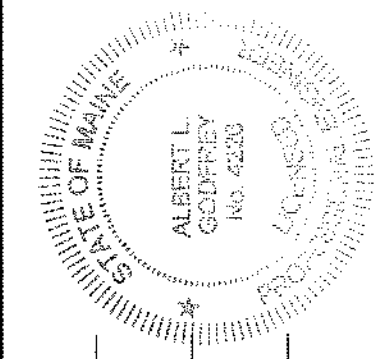
Username: jason

Division: HIGHWAY

Filename: ...LightingPlan.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
HHP-STP-6462(700)
PIN 6462.70
HIGHWAY PLANS



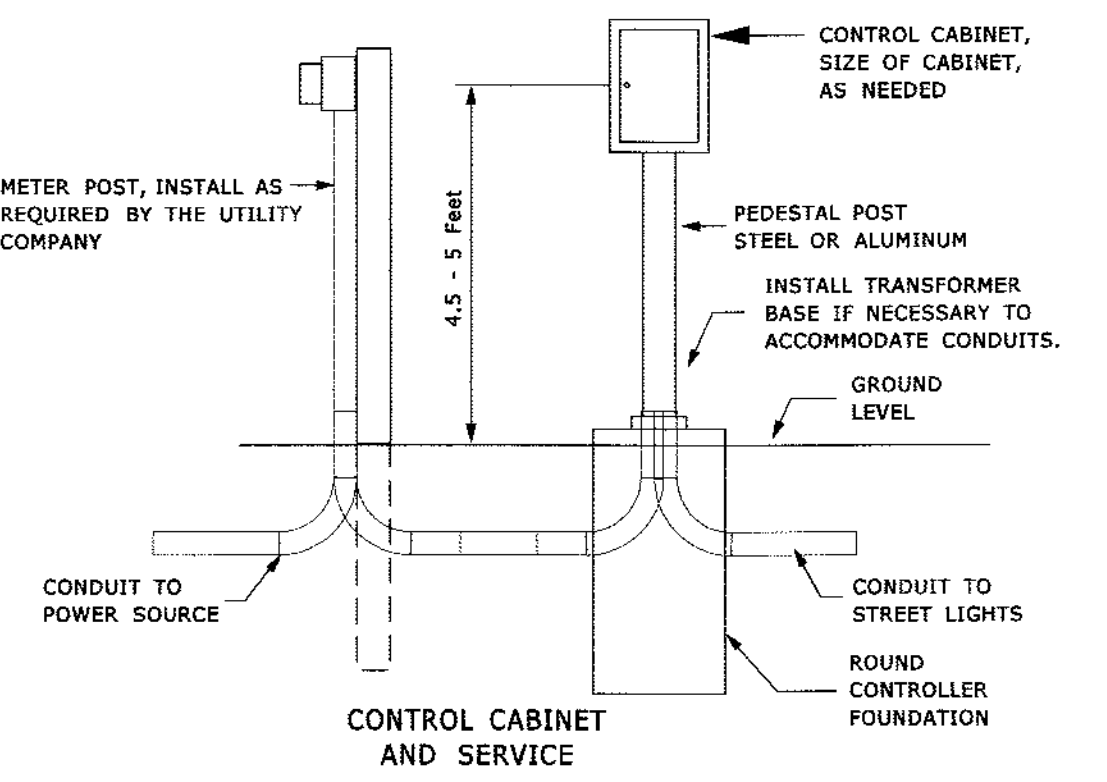
DATE: Mar 2012
BY: [Signature]
SIGNATURE: [Signature]
P.E. NUMBER: 4226
DATE: 3/20/12

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGNED-DETAILED	DESIGNED-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

CARIBOU CONNECTOR
CARIBOU CONNECTOR
HIGHWAY LIGHTING PLANS

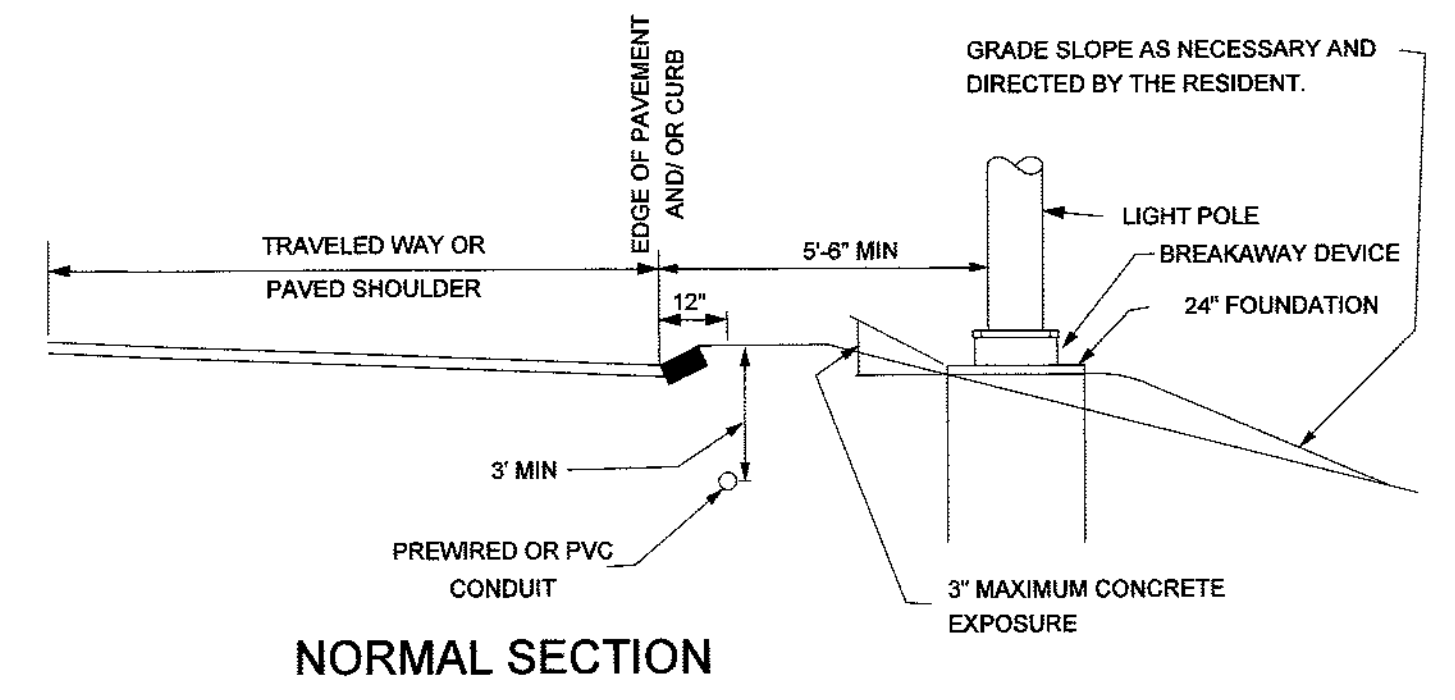
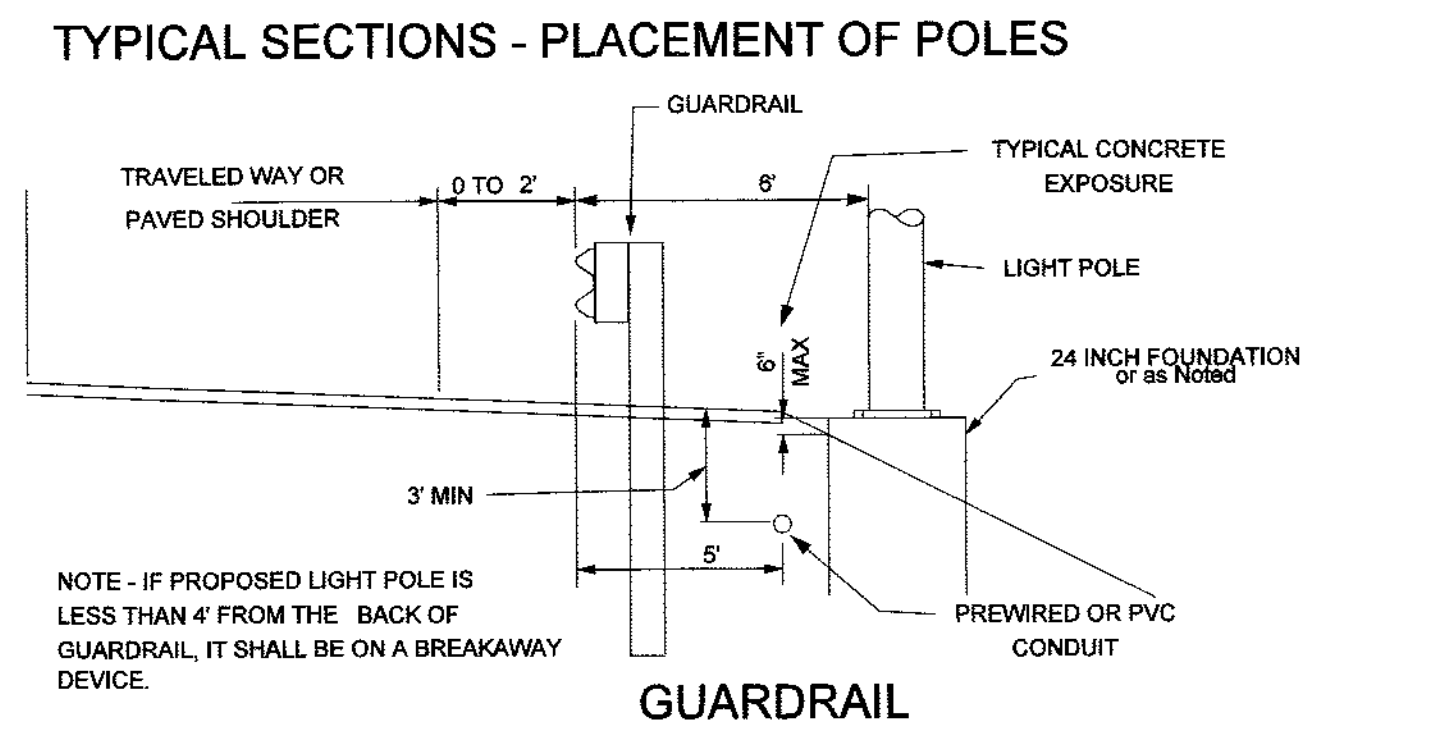
SHEET NUMBER
L1
OF L1

- GENERAL NOTES - HIGHWAY LIGHTING**
- SCOPE OF WORK - INSTALL HIGHWAY LIGHTING AS SHOWN ON THIS PLAN. INSTALL SERVICE, CONDUIT, FOUNDATIONS, POLES AND LUMINAIRES.
 - ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO APPLICABLE PROVISIONS OF THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, NATIONAL ELECTRICAL CODE AND ANY REQUIREMENTS OF THE POWER COMPANY.
 - THE CONTRACTOR SHALL FIELD VERIFY POLE LOCATIONS TO AVOID NATURAL AND BUILT SITE FEATURES THAT WOULD CONFLICT WITH PROPER INSTALLATION OF POLE FOUNDATIONS.
 - THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO ENSURE AWARENESS OF SITE CONDITIONS THAT COULD AFFECT THE BID.
 - STATIONING SHOWN FOR LIGHTING RELATED ITEMS IS APPROXIMATE AND MAY BE ADJUSTED BY THE RESIDENT IN THE FIELD.
 - FIXTURES SHALL BE IES FULL CUTOFF, LIGHT EMITTING DIODE (LED) FIXTURES. IES DISTRIBUTION TYPE SHALL BE AS SHOWN ON PLANS. FIXTURE VOLTAGE SHALL BE 240 VOLTS. INSTALL THE FIXTURES ON 35-FOOT POLES WITH A MINIMAL LENGTH HORIZONTAL 2" DIAMETER PIPE TENON. POLES MAY BE EITHER ALUMINUM OR GALVANIZED STEEL. INSTALL BREAKAWAY DEVICES ON ALL POLES.
 - ALL FIXTURES SHALL BE GASKETED, HAVE AN EXTENDED LIFE DRIVER, SURGE PROTECTION, A DOUBLE FUSE KIT, 240V TWIST-OFF PHOTO CONTROL AND A NEMA TWIST OFF PHOTO CONTROL RECEPTACLE. ALL FIXTURES SHALL BE GRAY.
 - THE LIGHTING LAYOUT WAS DONE USING HOLOPHANE LEDGEND, LED ROADWAY LIGHTING LUMINAIRES, CATALOG NUMBER:
LEDG 120 35 6K AS G L3 EL PCS R F2 ; 6, TYPE 3 FIXTURES
 - IF DIFFERENT FIXTURES ARE PROPOSED, THEY SHALL BE IES FULL CUTOFF, TYPE 2 OR 3 IES DISTRIBUTION. THE CONTRACTOR MUST DEMONSTRATE THAT THE PROPOSED FIXTURES WILL MEET OR EXCEED THE LIGHT LEVELS ON THE PLANS.
 - CONDUIT SHALL BE 2" MINIMUM, PVC SCHEDULE 40 OR PREWIRED CONDUIT. MINIMUM BURIAL DEPTH FOR CONDUIT SHALL BE 36". UTILIZE EXISTING CONDUIT CROSSING RTE 161. CONDUIT UNDER PAVEMENT SHALL BE SCHEDULE 80.
 - WIRE SIZE SHALL BE #12 STRANDED COPPER XHHW-2.
 - THERE SHALL BE NO SPLICES OR JUNCTION BOXES BETWEEN POLES. THE WIRE IN CONDUITS SHALL BE CONTINUOUS BETWEEN POLES.
 - THE LENGTH OF CONDUIT IS FOR ESTIMATING PURPOSES. THE CONTRACTOR SHALL DETERMINE ACTUAL LENGTH BY FIELD MEASUREMENT BEFORE ORDERING.
 - IF STRUCTURAL ROCK IS ENCOUNTERED DURING INSTALLATION OF FOUNDATIONS, PAYMENT FOR EXCAVATION AND DOWELING REINFORCING INTO ROCK SHALL BE CONSIDERED INCIDENTAL TO FOUNDATION ITEMS.
 - BREAKAWAY DEVICES FOR LIGHT POLES SHALL CONFORM TO THE LATEST VERSION OF "AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AND NCHRP REPORT 350. THE BREAKAWAY DEVICE SHALL BE DESIGNED SO THAT THE ANCHOR BOLTS WILL NOT BEND WHEN A VEHICLE HITS THE POLE. A FRANGIBLE COUPLING SUCH AS TRANSPO POLE-SAFE 5000 SERIES (WITH A FEMALE ANCHOR), THE MANITOBA SAFETY BASE WITH REACTION PLATE, OR APPROVED EQUAL SHALL BE USED. BREAKAWAY DEVICES SHALL BE INSTALLED ON ALL POLES EXCEPT THOSE LOCATED MORE THAN 4' BEHIND GUARDRAIL.
 - PAYMENT UNDER ITEM 634.16, HIGHWAY LIGHTING, WILL INCLUDE ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PROVIDE A FULLY FUNCTIONING HIGHWAY LIGHTING SYSTEM, EXCEPT THOSE ITEMS TO BE PAID UNDER OTHER RELATED BID ITEMS IN THE CONTRACT.
 - ALL LIGHT BASES SHALL HAVE A GROUND ROD, LOCATED IN THE FOUNDATION, THAT IS BONDED TO THE GROUNDING CONDUCTOR. PAYMENT FOR THE GROUND ROD SHALL BE INCLUDED IN ITEM 634.16, HIGHWAY LIGHTING.
 - PAYMENT UNDER ITEM 634.21, CONVENTIONAL LIGHT STANDARD, WILL INCLUDE BUT NOT BE LIMITED TO NEW POLES, TRANSFORMER BASES AND BREAKAWAY DEVICES.



CONDUIT SUMMARY

Station	Pole	Breakaway	Distance	Wire Size			Remarks
				#8	#10	#12	
40+50 Lt	Service	---	70				Thru Existing Conduit - Approximate Location Shown
40+50 Rt	JB	---	80				
41+27 Rt	3	Yes	105				
4492+45 Rt	4	Yes	115				
4491+55 Rt	5	Yes					
40+50 Rt	JB	---	65				
39+87 Rt	2	Yes	95				Sch 80 PVC Conduit
4492+60 Lt	6	Yes	70				
38+70 Rt	1	Yes					



STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Rte 161 and Connector	+	0.7 fc	1.6 fc	0.2 fc	8.0:1	3.5:1

LUMINAIRE SCHEDULE

Symbol	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
[Symbol]	6	LEDG 120 35 6K AS 0 X L3	LEDGEND ROADWAY LED	120 LED ARRAY	LEDG_120_35_6K_AS_0_X_L3.lis	Absolute	0.79	130