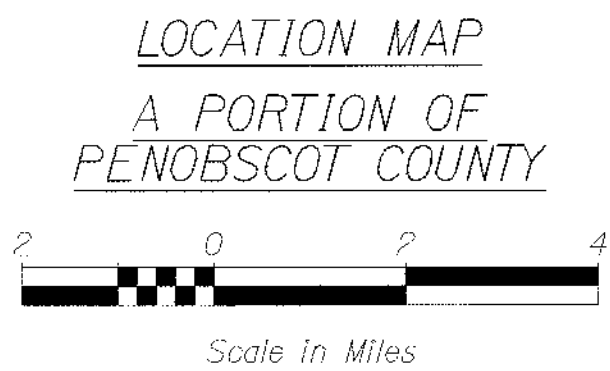
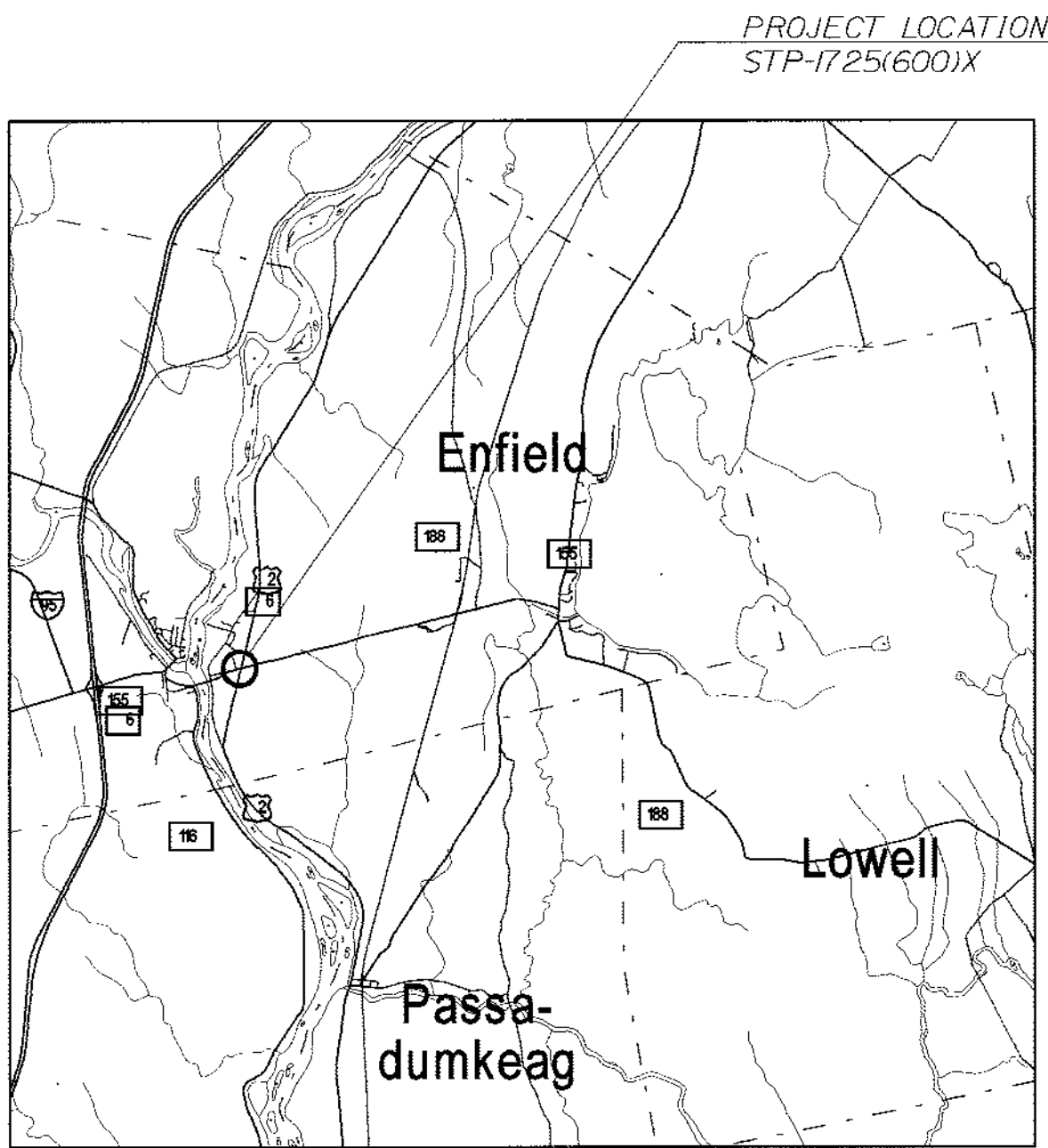


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

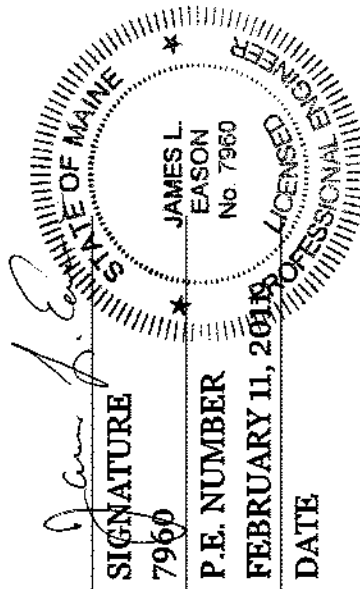


ENFIELD
PENOBSCOT
ROUTE 2 & ROUTE 155
STP-1725(600)X
PROJECT LENGTH : 0.000 MILES
INTERSECTION IMPROVEMENTS



INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2
Estimated Quantities	3
Construction Notes and Details	4
Plan	5-8
Cross - Sections	9-12
Right of Way Map	13



PROJECT INFORMATION	
PROGRAM	TRAFFIC
PROJECT MANAGER	JIM MANSUR
DESIGNER	A. GODFREY / J. EASON
CONSULTANT	TERRA MAGNA SERVICES, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PIN 17256.00

STP-1725(600)X

ENFIELD
ROUTE 2 & ROUTE 155

TITLE SHEET

SHEET NUMBER

1

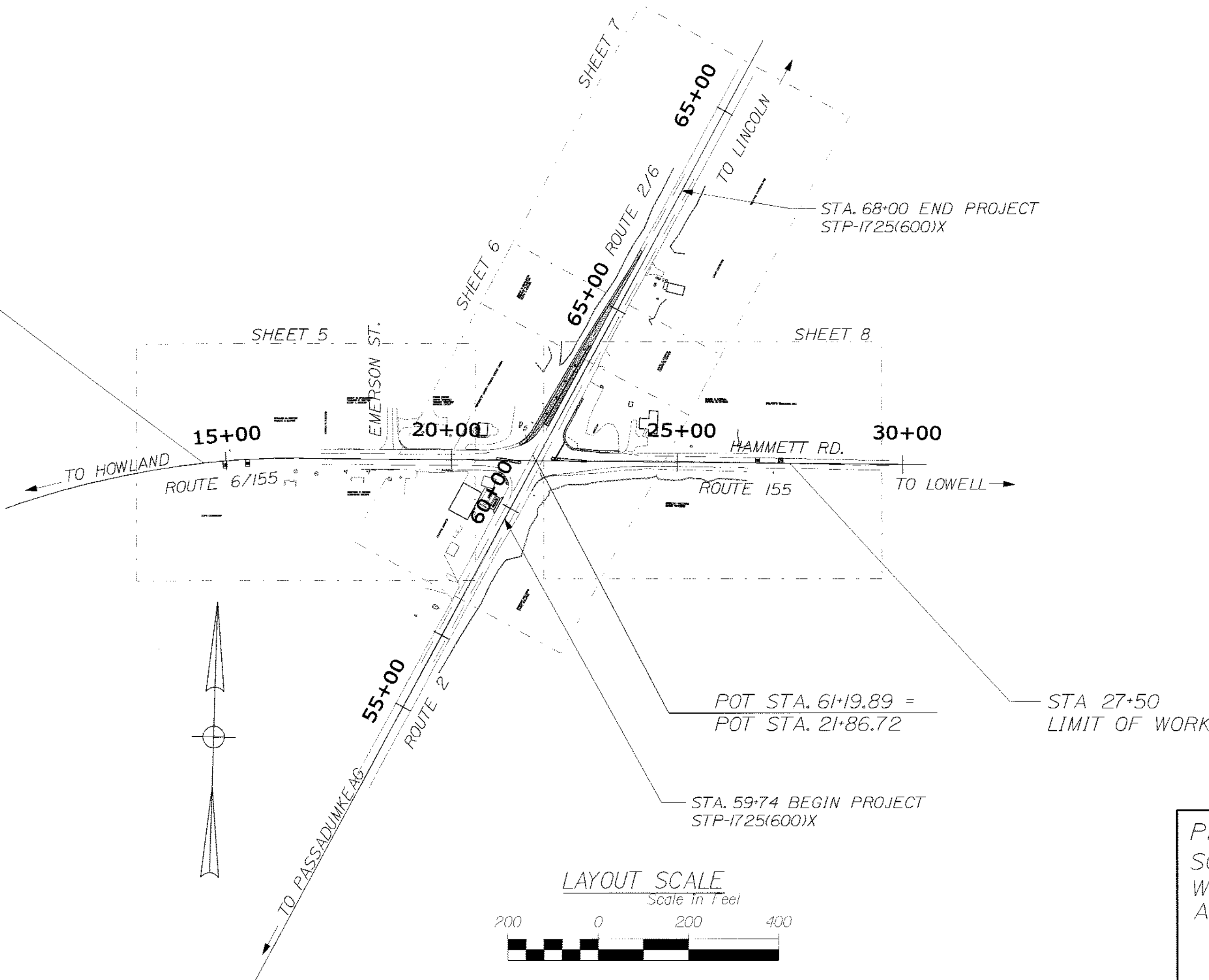
OF 13

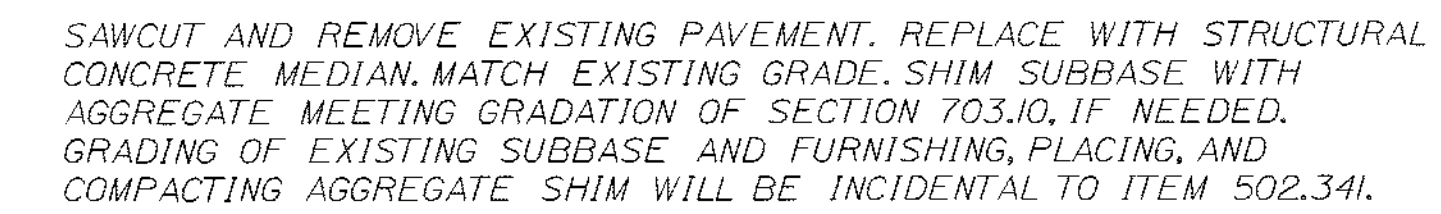
TRAFFIC DATA

Current (2011) AADT	3,710
Future (2031) AADT	4,450
DHV - % of AADT	10%
Design Hour Volume	445
% Heavy Trucks (AADT)	15%
% Heavy Trucks (DHV)	13%
Directional Distribution (DHV)	51%
18 kip Equivalent P 2.0	893
18 kip Equivalent P 2.5	850
Design Speed (mph)	45
Functional Class:	MINOR ARTERIAL

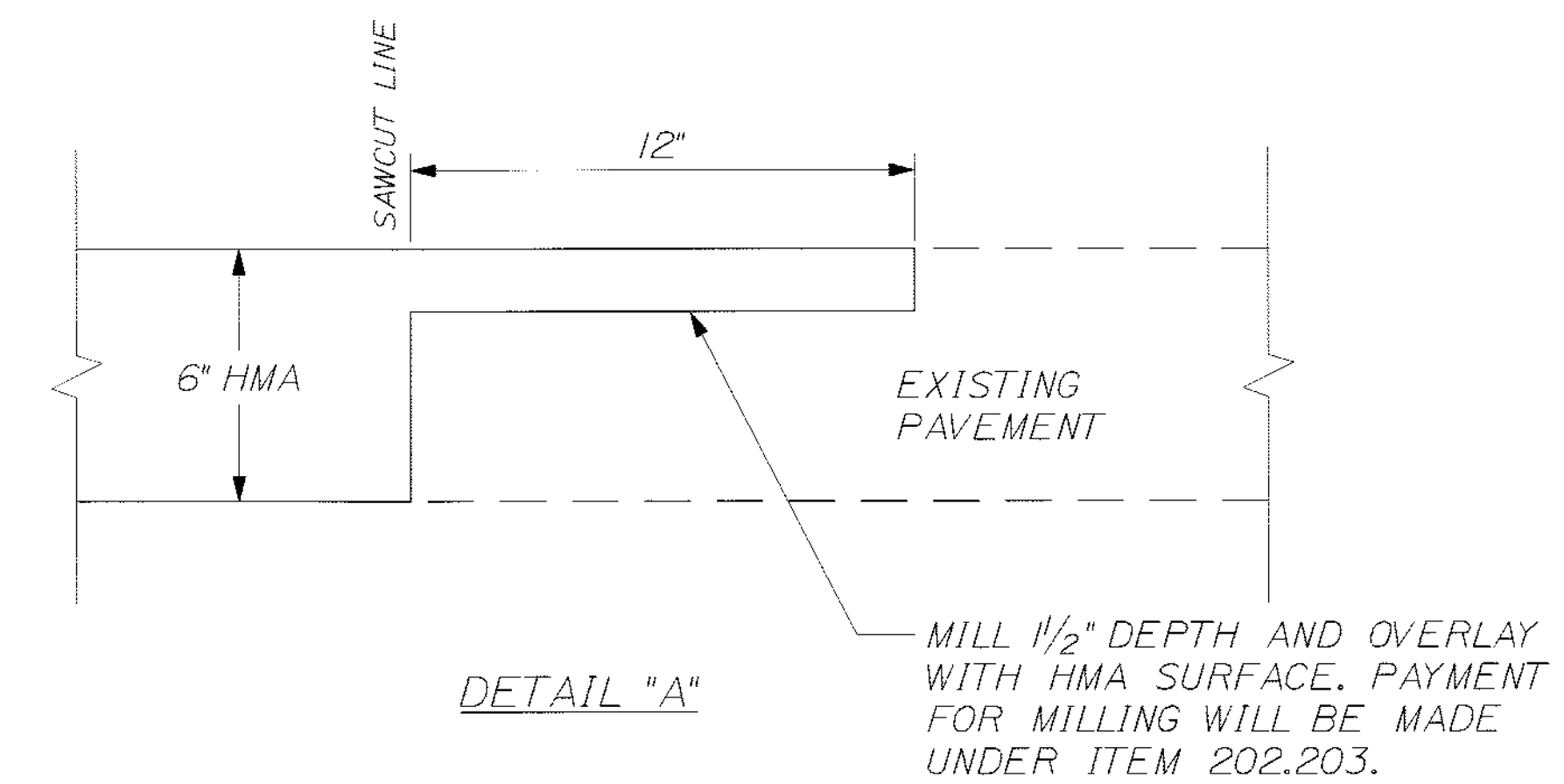
PROGRAM AREA: TRAFFIC
SCOPE OF WORK: INTERSECTION IMPROVEMENT
WITHOUT SIGNAL. REALIGN AUXILIARY LANE
AND PROVIDE MISC. SAFETY UPGRADES.

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	
Curbing	Catch Basins
Type 1	Existing
Type 3	Proposed
Type 5	Proposed
Outline of Bodies of Water	Proposed Underdrain
Ledge	Proposed Ditch
Buildings	Existing Ditch
Trees	Utility Poles
Tree Line	Existing
Clearing Limit Line	Proposed
	Fire Hydrants
	Existing
	Proposed
	Existing Water Line
	Existing San. Sewer
	Existing San. Sewer Manhole
	Guardrail-Existing
	Guardrail-Proposed
	Guardrail-Cable, Other

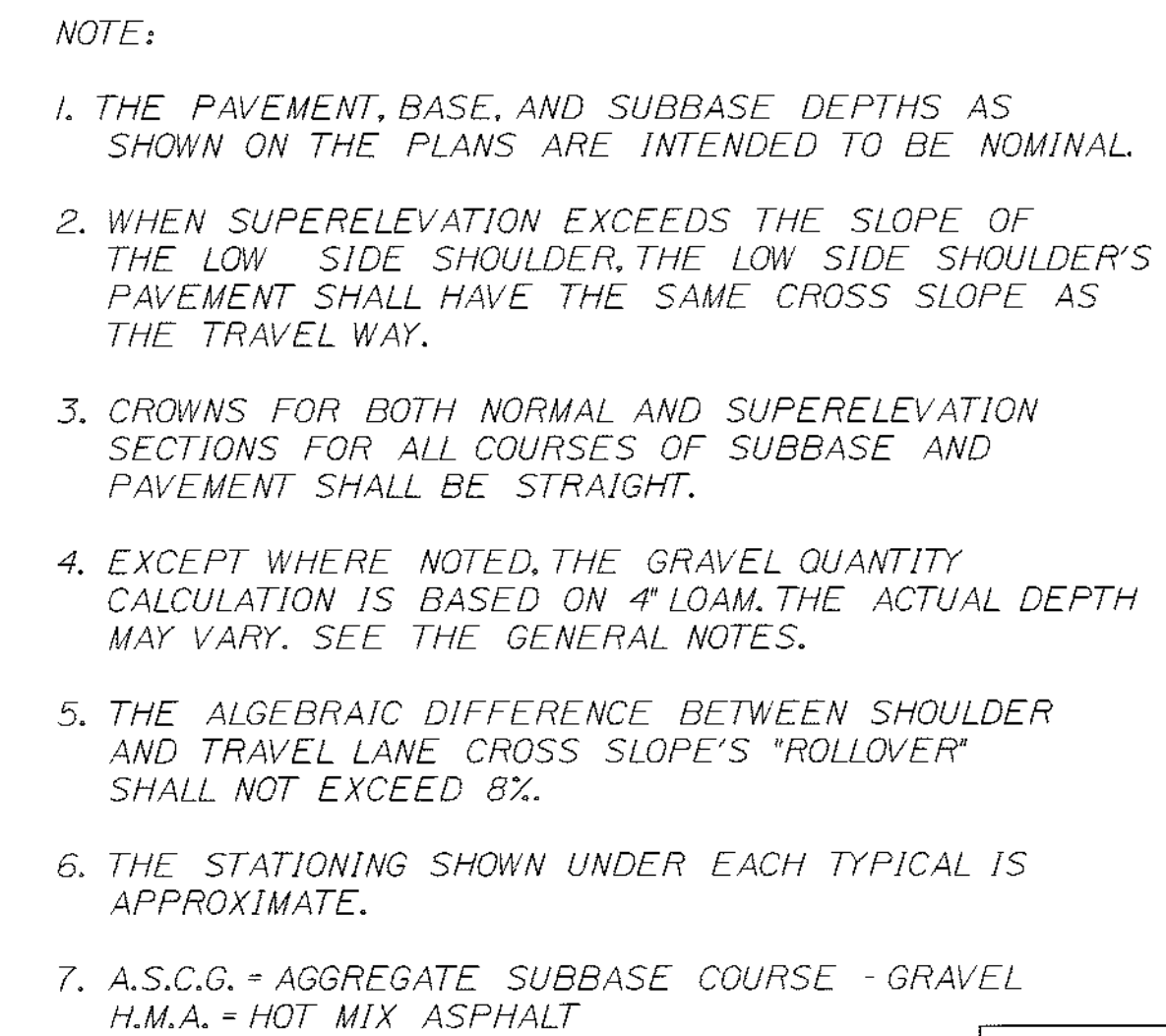




SAWCUT AND REMOVE EXISTING PAVEMENT FROM OUTSIDE EDGE OF EXISTING THROUGH LANE TO EDGE OF PAVEMENT TO ESTIMATED DEPTH OF 6 INCHES. REGRADE EXISTING SUBBASE AND PLACE VARIABLE DEPTH UNTREATED AGGREGATE SURFACE COURSE, WIDEN WITH 2" A.S.C.G. AND 6" HMA. PAYMENT FOR UNTREATED AGGREGATE SURFACE COURSE SHALL BE INCIDENTAL TO ITEM 304.10.



SAWCUT AND REMOVE EXISTING PAVEMENT FROM OUTSIDE EDGE OF EXISTING THROUGH LANE TO EDGE OF PAVEMENT TO ESTIMATED DEPTH OF 6 INCHES, REGRADE EXISTING SUBBASE AND PLACE VARIABLE DEPTH UNTREATED AGGREGATE SURFACE COURSE, WIDEN WITH 24" A.S.C.G. AND 6" HMA. PAYMENT FOR UNTREATED AGGREGATE SURFACE COURSE SHALL BE INCIDENTAL TO ITEM 304.10.



NOT TO SCALE

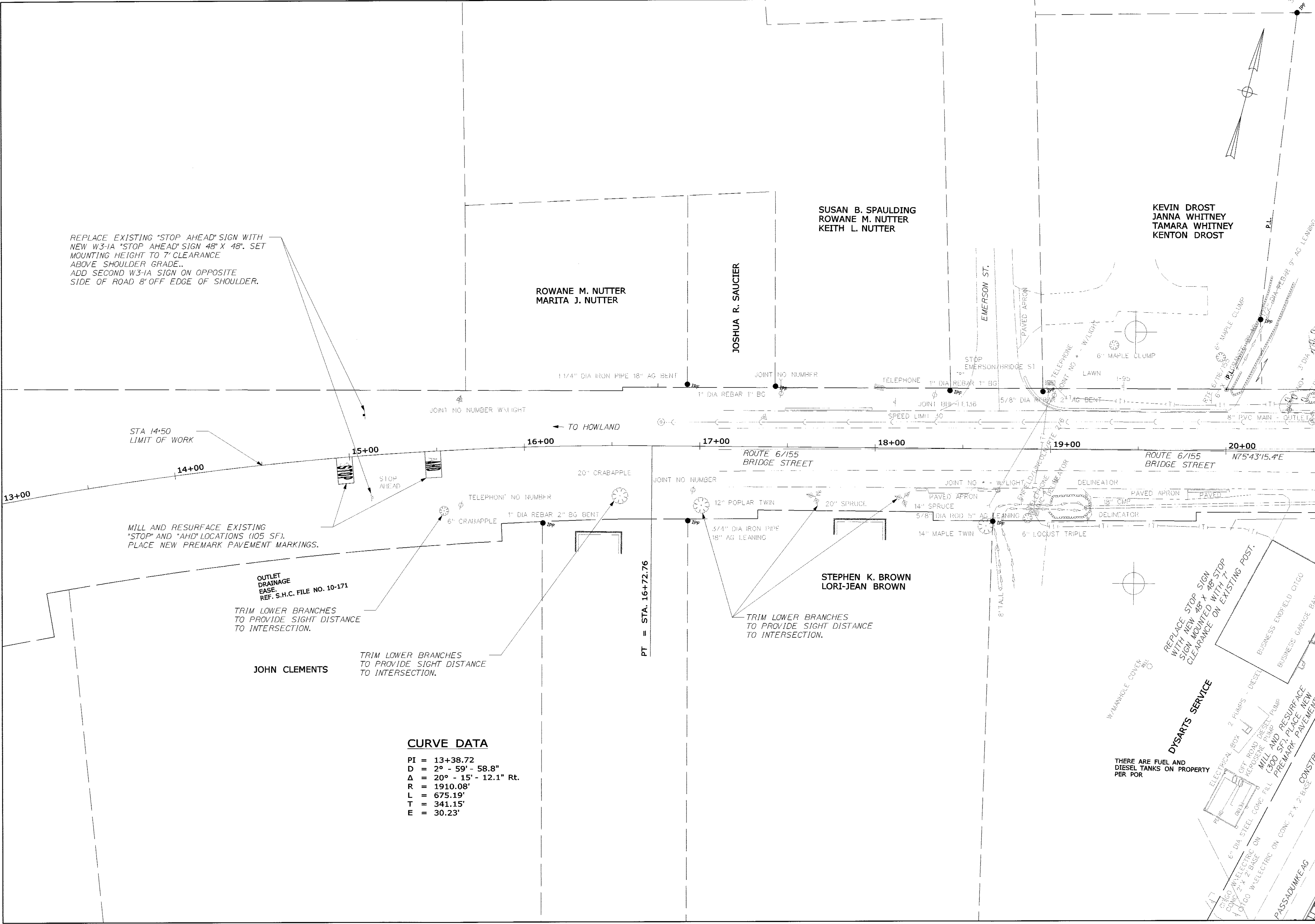
[illegible]

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.203	PAVEMENT BUTT JOINTS	180	SY
203.20	COMMON EXCAVATION	600	CY
203.24	COMMON BORROW	100	CY
203.25	GRANULAR BORROW	50	CY
206.061	STRUCT EARTH EXC-DRAIN & MINOR STRUCT- BELOW GRADE	25	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	480	CY
403.208	HOT MIX ASPHALT, 12.5mm SURFACE	70	TON
403.209	HOT MIX ASPHALT, 9.5mm (SW, DRIVES, INCIDENTALS)	14	TON
403.213	HOT MIX ASPHALT, 12.5mm BASE	200	TON
409.15	BITUMINOUS TACK COAT - APPLIED	40	GAL
502.341	STR CONC ROADWAY MEDIAN	35	CY
603.175	18 IN. RCP CLASS III	12	LF
609.31	CURB TYPE 3	270	LF
609.40	RESET CURB TYPE 5	12	LF
610.08	PLAIN RIP RAP	3	CY
613.319	EROSION CONTROL BLANKET	80	SY
615.07	LOAM	120	CY
618.1401	SEEDING METHOD NO. 2 - PLAN QUANTITY	13	UNIT
619.1201	MULCH - PLAN QUANTITY	13	UNIT
620.54	STABILIZATION GEOTEXTILE	120	SY
620.58	EROSION CONTROL GEOTEXTILE	10	SY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	910	LF
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	231	SF
627.76	TEMP PVMT MARK LINE, WHITE OR YELLOW	1	LS
627.94	PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	220	SF
629.05	HAND LABOR - STRAIGHT TIME	20	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	20	HR
631.21	ROAD BROOM (INCLUDING OPERATOR AND HAULER)	5	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	10	HR
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	5	HR
639.19	FIELD OFFICE TYPE B	1	EA
643.61	FLASHING BEACON MODIFICATION	1	LS
645.106	DEMOUNT REG WRN CONF & RTE SIGN	25	EA
645.116	REINSTALL REG WARN CONF & RTE SIGN	21	EA
645.271	REG WARN CONF RTE SIGNS TYPE 1	110	SF
652.31	TYPE I BARRICADE	4	EA
652.311	TYPE II BARRICADE	4	EA
652.33	DRUM	30	EA
652.34	CONE	30	EA
652.35	CONSTRUCTION SIGNS	710	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS

[illegible]

<u>SUMMARY OF EARTHWORK AND BORROW</u>			
<u>COMMON EXCAVATION FOR ESTIMATE</u>			
COMMON EXCAVATION (FROM CROSS SECTIONS)	515 CY		
GRUBBING IN FILL	67 CY		
ADDITIONAL REMOVAL FOR ISLANDS	6 CY		
TOTAL COMMON EXCAVATION			<u>588 CY</u>
<u>FILL FOR BORROW CALCULATIONS</u>			
COMMON FILL MAINLINE (FROM CROSS SECTIONS)	205 CY		
GRUBBING IN FILL	67 CY		
TOTAL FILL			<u>272 CY</u>
<u>ROCK EXCAVATION FOR ESTIMATE</u>			
ROCK EXCAVATION	0 CY		
TOTAL ROCK EXCAVATION			<u>0 CY</u>
<u>AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS</u>			
(1) TOTAL COMMON EXCAVATION			<u>588 CY</u>
DEDUCTIONS:			
GRUBBING IN CUT	204 CY		
GRUBBING IN FILL	67 CY		
PAVEMENT SALVAGE REMOVAL	101 CY		
(2) TOTAL DEDUCTIONS			<u>372 CY</u>
TOTAL AVAILABLE NON-ROCK EXCAVATION (1) MINUS (2)			<u>216 CY</u>
<u>COMPUTATION OF COMMON BORROW FOR ESTIMATE</u>			
(3) TOTAL FILL			<u>272 CY</u>
TOTAL AVAILABLE NON-ROCK EXCAV.	<u>215</u>	X 0.85 =	<u>184 CY</u>
TOTAL AVAILABLE ROCK EXCAV.	<u>0</u>	X 1.33 =	<u>0 CY</u>
(4) TOTAL AVAILABLE EXCAVATION			<u>184 CY</u>
BORROW NEEDED (3) MINUS (4)			<u>88 CY</u>
TOTAL SURPLUS WASTE MATERIAL (2)			<u>372 CY</u>

3 OF 13	SHEET NUMBER	ENFIELD ROUTE 2 & ROUTE 155	PROJ. MANAGER A.G. CHECKED - REVIEWED A.G. DESIGN - DETAILED JLE REVISIONS 1 ITEM 627.733, 631.8, & 631.21 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	JM. MANSE BY DATE	 STATE OF MAINE DEPARTMENT OF TRANSPORTATION	SIGNATURE 7960 P.R. NUMBER FEBRUARY 28, 2011 DATE 	STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-17255(600)X PIN 172556.00 HIGHWAY PLANS
	ESTIMATED QUANTITIES						

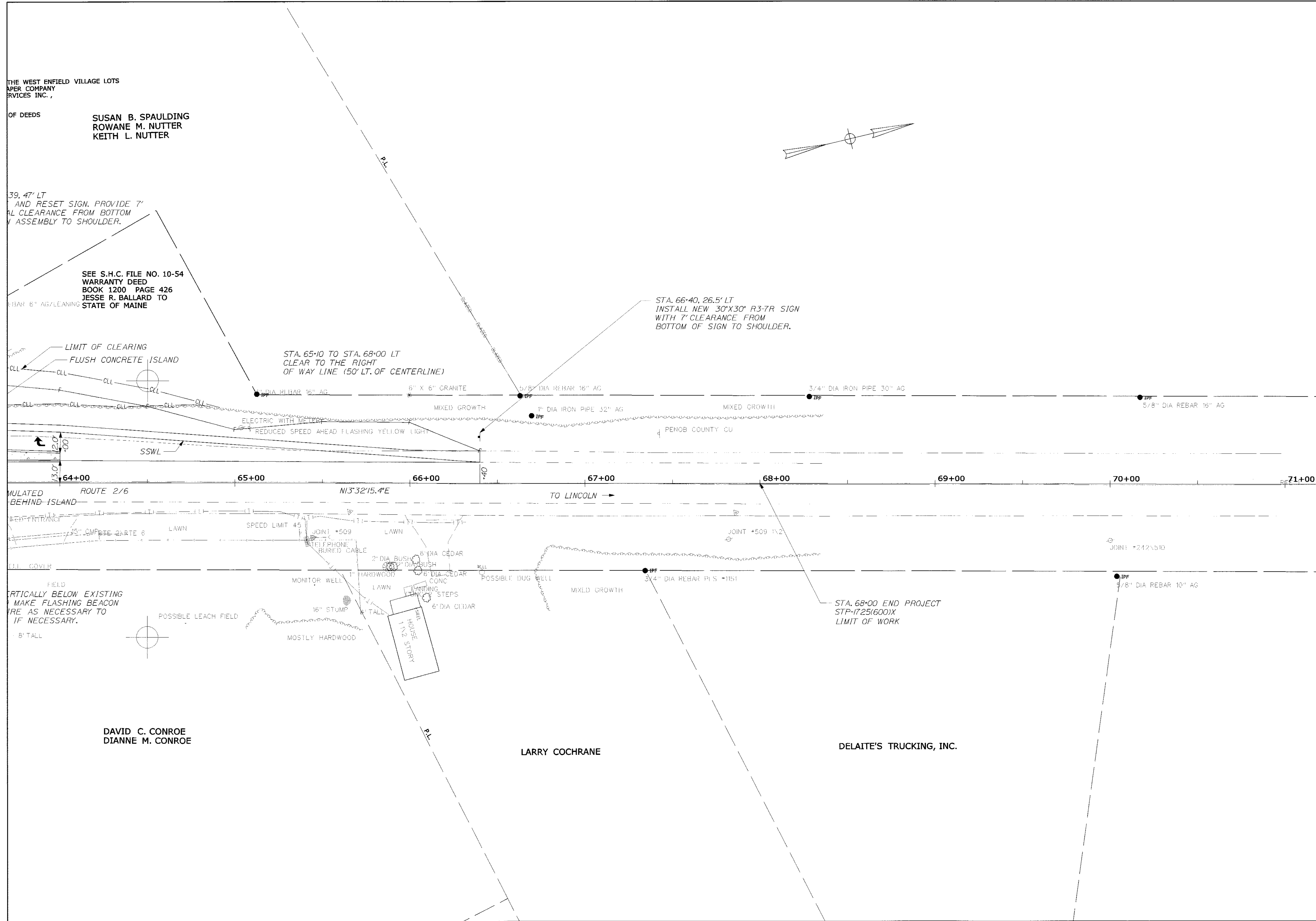


CURVE DATA

PI = 13+38.72
D = 2° - 59' - 58.8"
Δ = 20° - 15' - 12.1" Rt.
R = 1910.08'
L = 675.19'
T = 341.15'
E = 30.23'

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		STP-1725(600)X		PIN 17256.00		HIGHWAY PLANS	
SIGNATURE JAMES L. EASON No. 7960 P.E. NUMBER FEBRUARY 28, 2011 DATE		PROFESSIONAL ENGINEER STATE OF MAINE		SHEET NUMBER 5 OF 13			
ENFIELD ROUTE 2 & ROUTE 155				PLANS			

Filename: ... \highway\msta\008_HDPlan_04.dgn



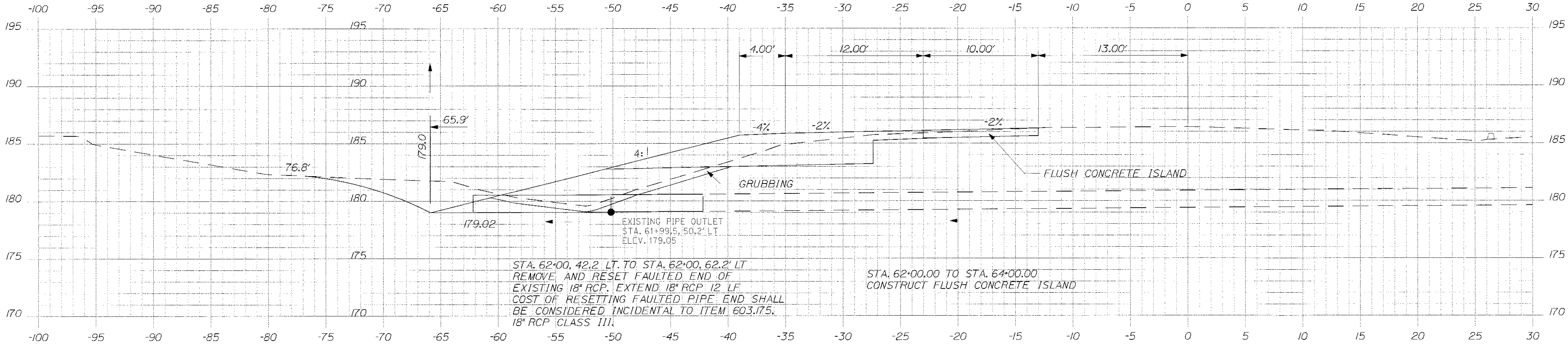
OF 13 SHEET NUMBER	ENFIELD ROUTE 2 & ROUTE 155	PROJ. MANAGER JIM MANFRIE BY JLE DATE 2-11	STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER JAMES L. JAMESON No. 7980 EXPIRATION DATE FEBRUARY 28, 2011	STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-1725(600)X
	PLANS	SIGNATURE 7960 P.E. NUMBER FEBRUARY 28, 2011 DATE		PIN 17256.00 HIGHWAY PLANS

Date: 2/28/2011

Username: jeoson

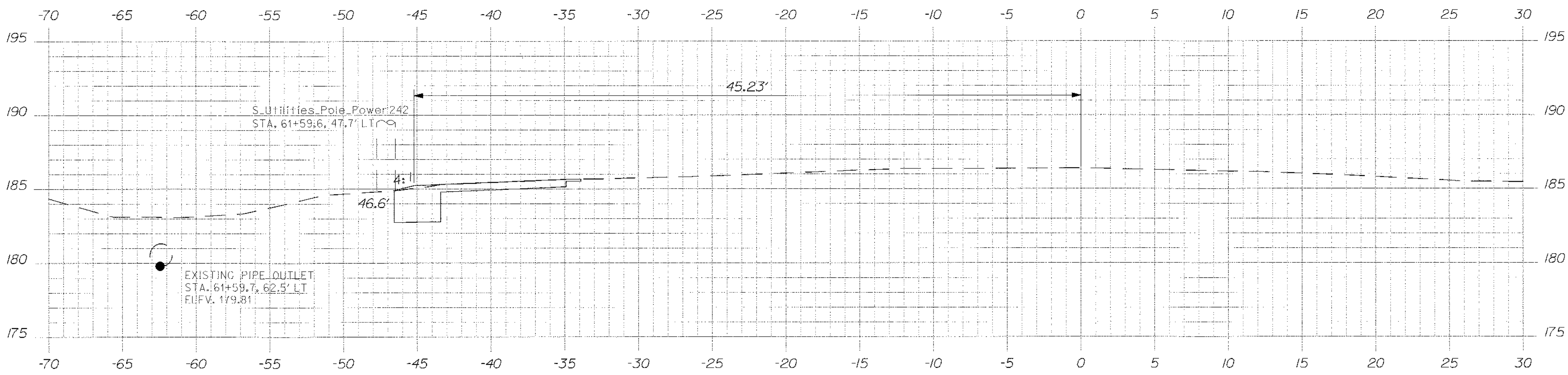
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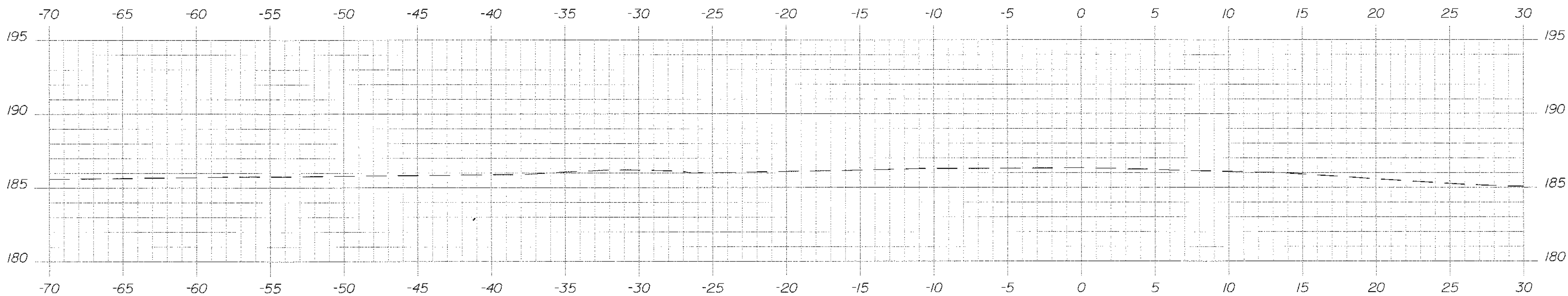
62+00.00

C = 58 CY
F = 25 CY
G = 9 CY



61+50.00

C = 4 CY
F = 0 CY



61+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1725(600)X
PIN 17256.00
HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
FEBRUARY 28, 2011
DATE
SIGNATURE
P.E. NUMBER
7960

PROJ. MANAGER	J.M. MAXSIE	BY	DATE
DESIGN-DETAILED	A.L.G.	A.L.G.	2-11
CHECKED-REVIEWED	A.L.G.		2-11
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ENFIELD
ROUTE 2 & ROUTE 155
61+00.00 CROSS SECTIONS 62+00.00

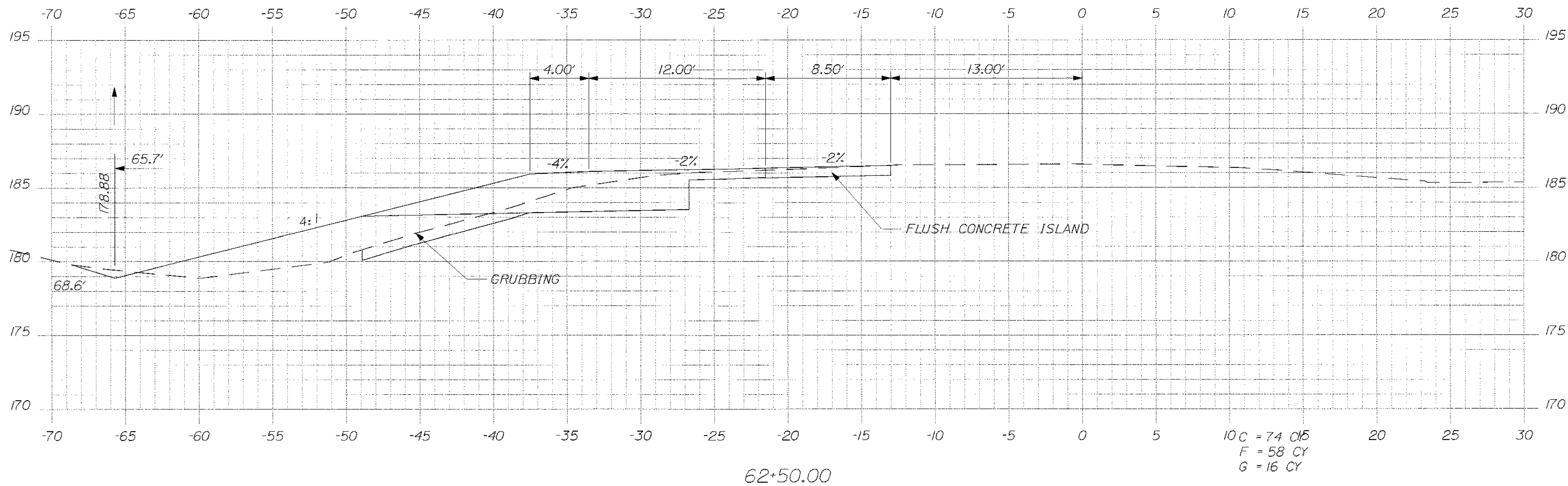
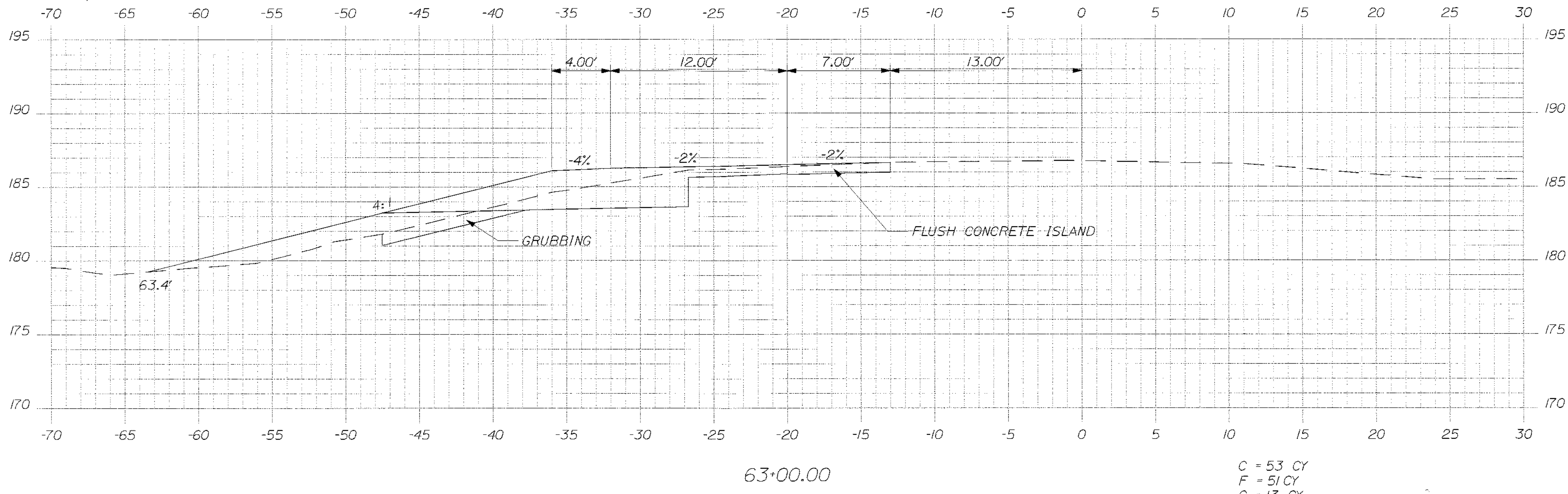
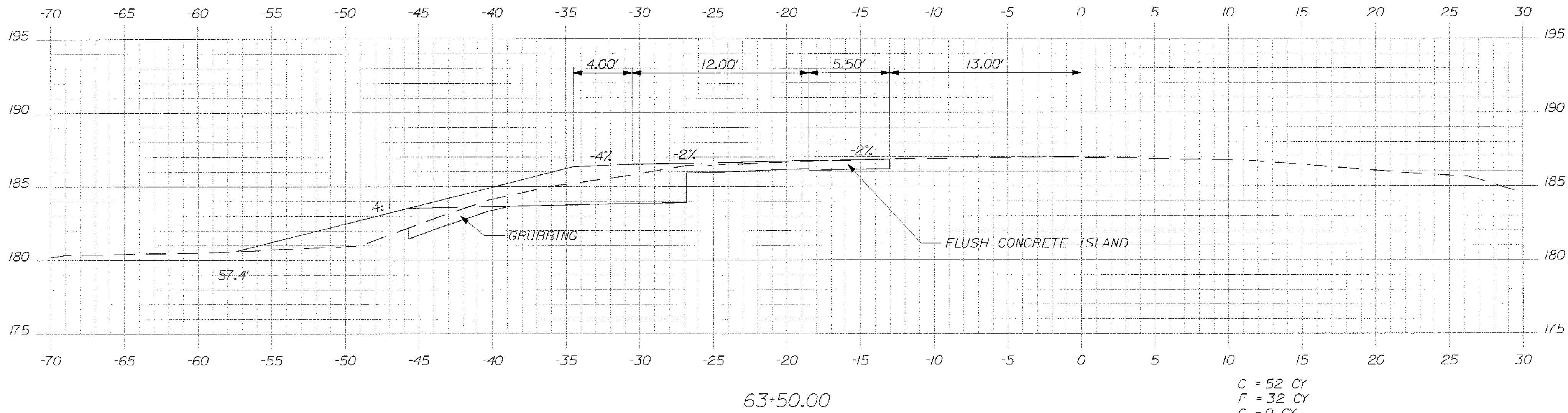
SHEET NUMBER
9
OF 13

Date:2/28/2011

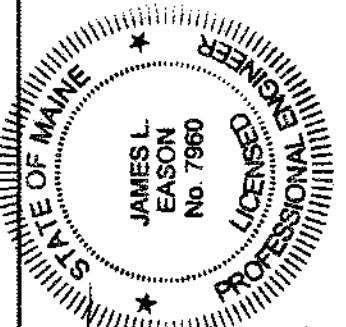
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Division: HIGHWAY

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1725(600)X
PIN 17256.00
HIGHWAY PLANS



SIGNATURE
7960
P.E. NUMBER
FEBRUARY 28, 2011
DATE

PROJ. MANAGER	J.M. MARSH	BY	DATE
DESIGN DETAIL 1	A.L.C.	J.L.E.	2-11
CHECKED/REVIEWED	A.L.C.	J.L.E.	2-11
DESIGN DETAIL 2	A.L.C.	J.L.E.	2-11
DESIGN DETAIL 3	A.L.C.	J.L.E.	2-11
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ENFIELD
ROUTE 2 & ROUTE 155

62+50.00 CROSS SECTIONS 63+50.00

SHEET NUMBER

10

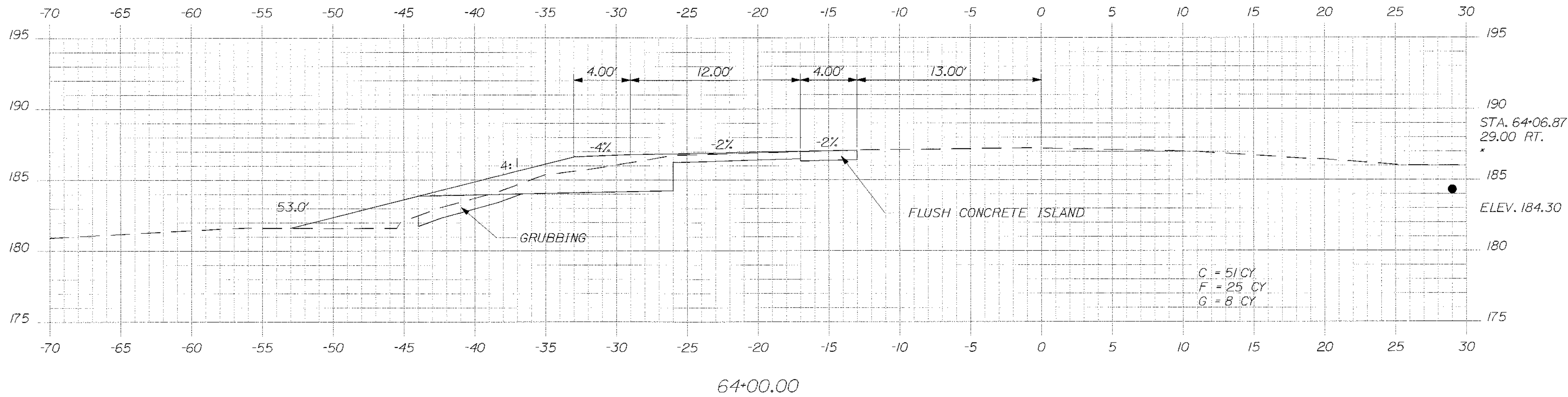
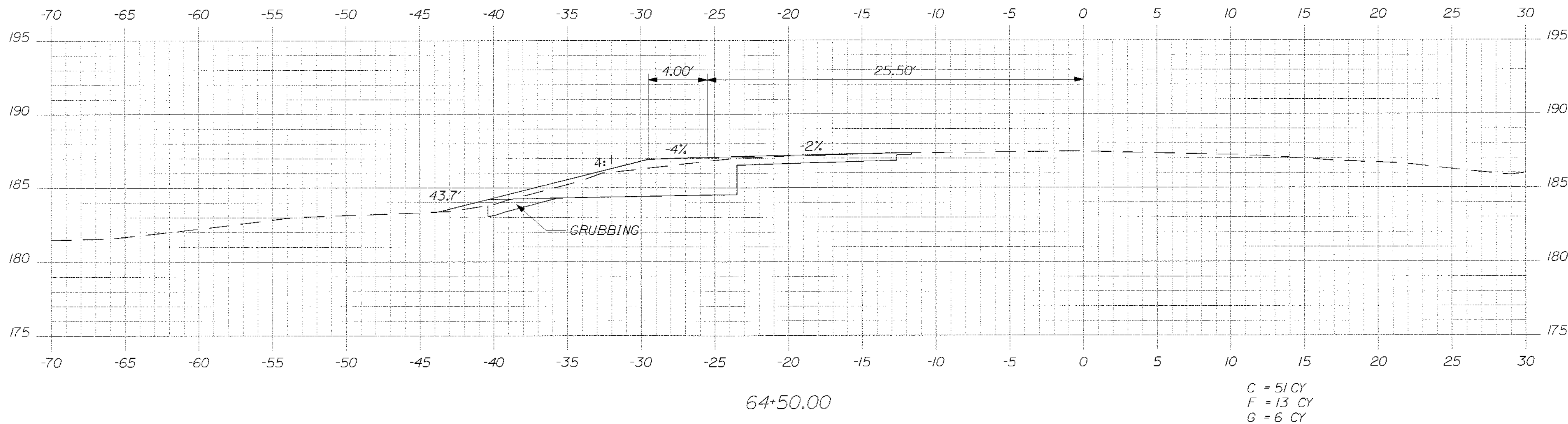
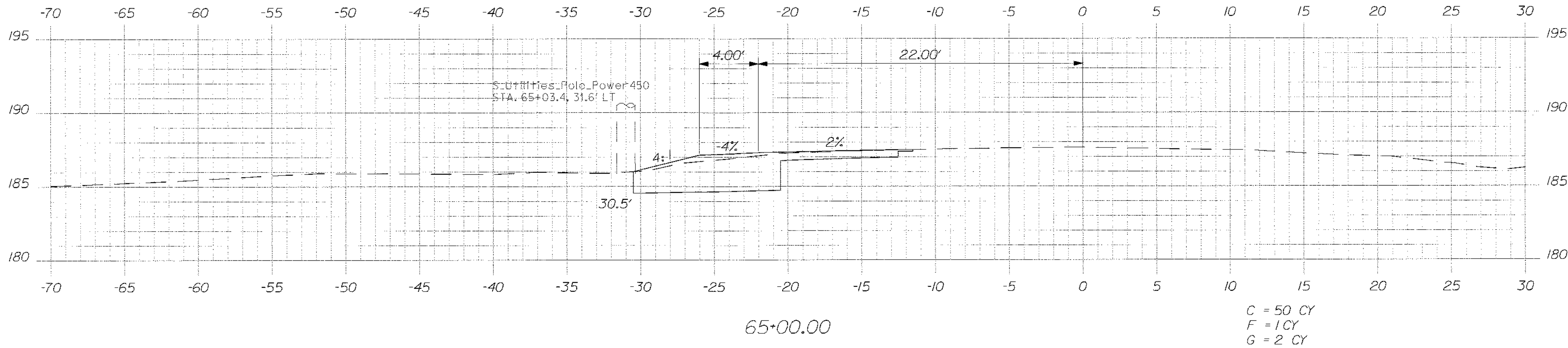
OF 13

Date:2/28/2011

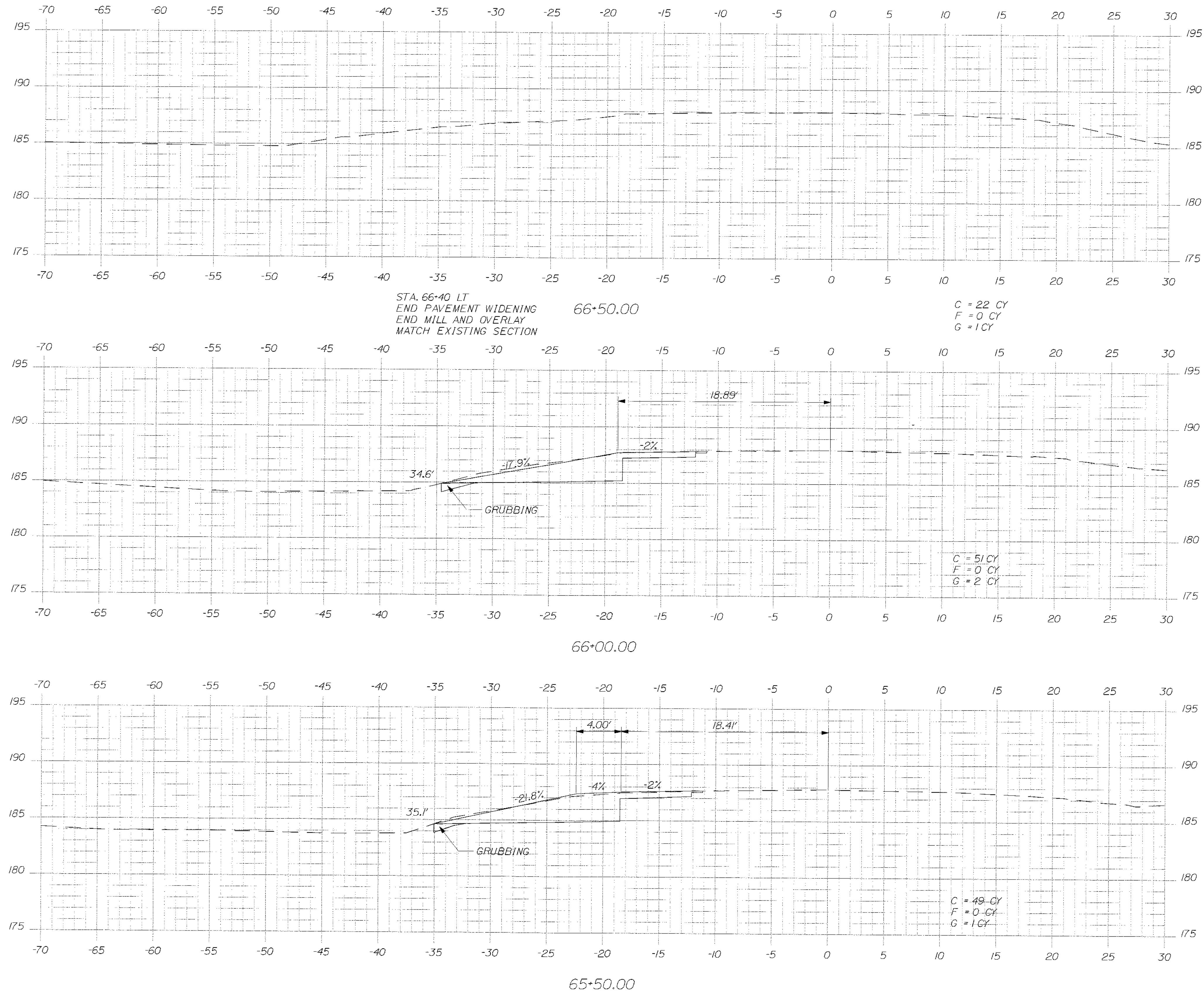
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Division: HIGHWAY

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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		STP-1725(600)X		PIN 17256.00		HIGHWAY PLANS	
		SIGNATURE		P.E. NUMBER		DATE	
		JAMES L. EASON		7960		FEBRUARY 28, 2011	
ENFIELD ROUTE 2 & ROUTE 155		SHEET NUMBER		11		OF 13	
64+00.00 CROSS SECTIONS		65+00.00					



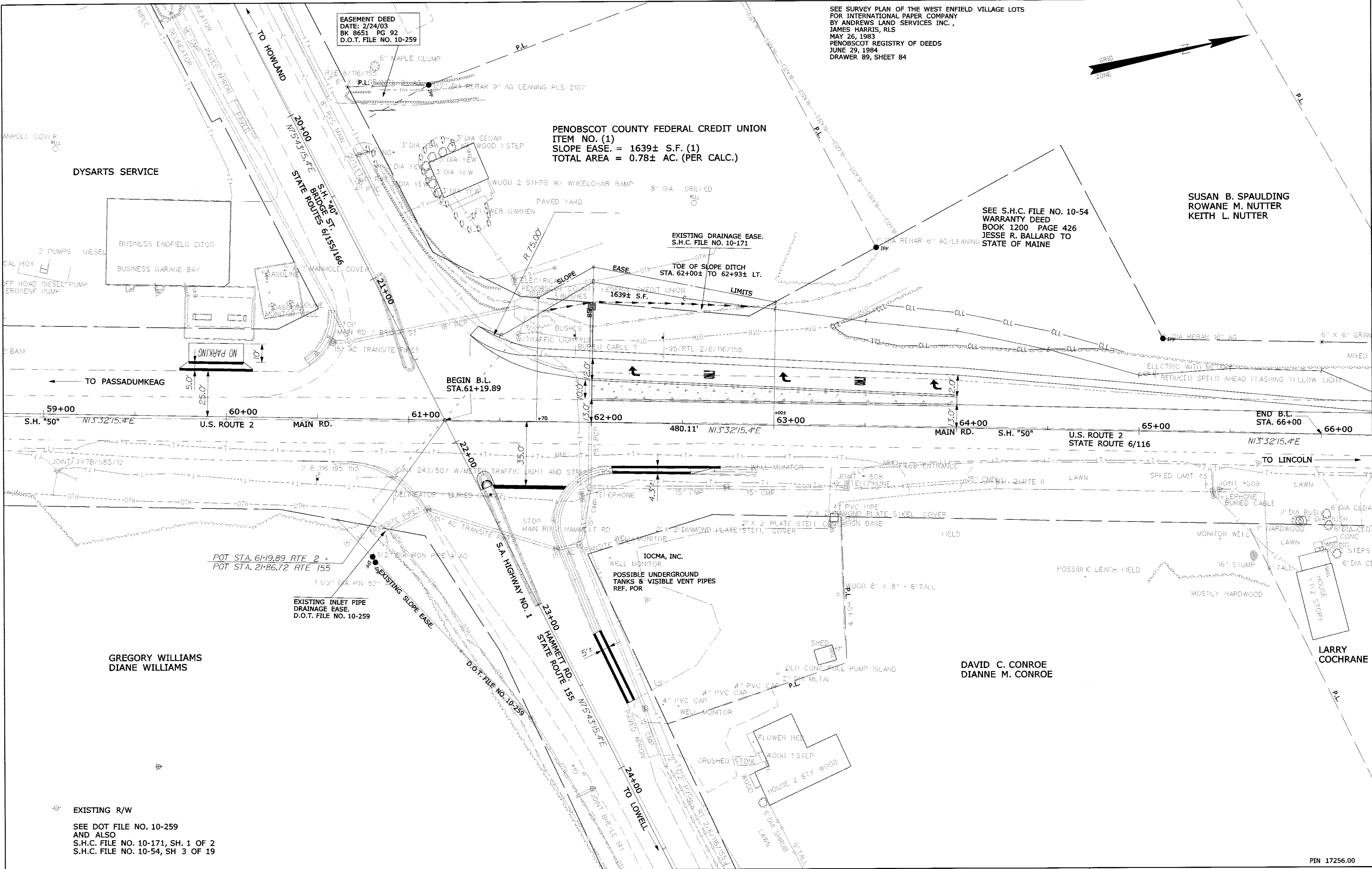
SHEET NUMBER 12 OF 13	ENFIELD ROUTE 2 & ROUTE 155 CROSS SECTIONS	65+50.00	66+50.00	PROJ. MANAGER DESIGN-RETAINED A/C BY J.E CHORD-REVERSED A/C DATE 2-11 DESIGN OF ALEDO DATE 2-11 DESIGN DETAILDS REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES			SIGNATURE 7966 P.E. NUMBER FEBRUARY 28, 2011 DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-1725(600)X	STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-1725(600)X	PIN 172566.00 HIGHWAY PLANS
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Date: 2/28/2011

Username: jeson

Division: HIGHWAY

Filename: ... \ROW\MSTA013_RWPLAN.dgn



SYMBOLS					CHECKED					STATE OF MAINE DEPARTMENT OF TRANSPORTATION 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0006 ENFIELD RIGHT OF WAY MAP	
GRADING LIMIT LINE	(WELL)	IRON PIPE (PIN FOUND)	ITEM	TECH	BASE MAP	BDM	EXIST. R/W	BDM	PROP. LINES	AREAS	SHEET NUMBER 13 OF 13
CONSTRUCTION LIMIT LINE	WELL	ST. (SECTION NO.)									
PROPERTY LINE	PL	ASB (TRAVERSE POINT)									
LIMITS OF WROUGHT PORTION (LOW P)		WATER LINE									
EXISTING RIGHT OF WAY		GAS LINE									
NEW RIGHT OF WAY		ELECTRIC LINE									
NEW ROW WITHIN EXIST. ROW		TELEPHONE LINE									
CONTROL OF ACCESS		SEWER LINE									

REVISIONS			PLAN FILED IN PLAN BOOK						COUNTY RECORD		DAVID BERNHARDT	
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE		COMMISSIONER	
1				1	PENOBSCOT COUNTY FEDERAL CREDIT UNION	EASEMENT	7/7/10	12357	257		KENNETH L. SWEENEY	CHIEF ENGINEER
											DATE	

STATE OF MAINE
PETER A. BELANGER
1941
PROFESSIONAL
LAND SURVEYOR

STATE HIGHWAY "50"
U.S. ROUTE 2
ENFIELD
PENOBSCOT COUNTY
FEDERAL AID PROJECT NO. STP-1725(600)X
OCTOBER 2010
SCALE 1" = 25'

RIGHT-OF-WAY MAP
SHEET 1 OF 1

D.O.T. FILE NO. 10-466

STATE HIGHWAY "50"		SHEET NUMBER	
U.S. ROUTE 2		13	
ENFIELD PENOBSCOT COUNTY FEDERAL AID PROJECT NO. STP-1725(600)X		OF 13	
OCTOBER 2010 SCALE 1" = 25'	RIGHT-OF-WAY MAP SHEET 1 OF 1	D.O.T. FILE NO. 10-466	