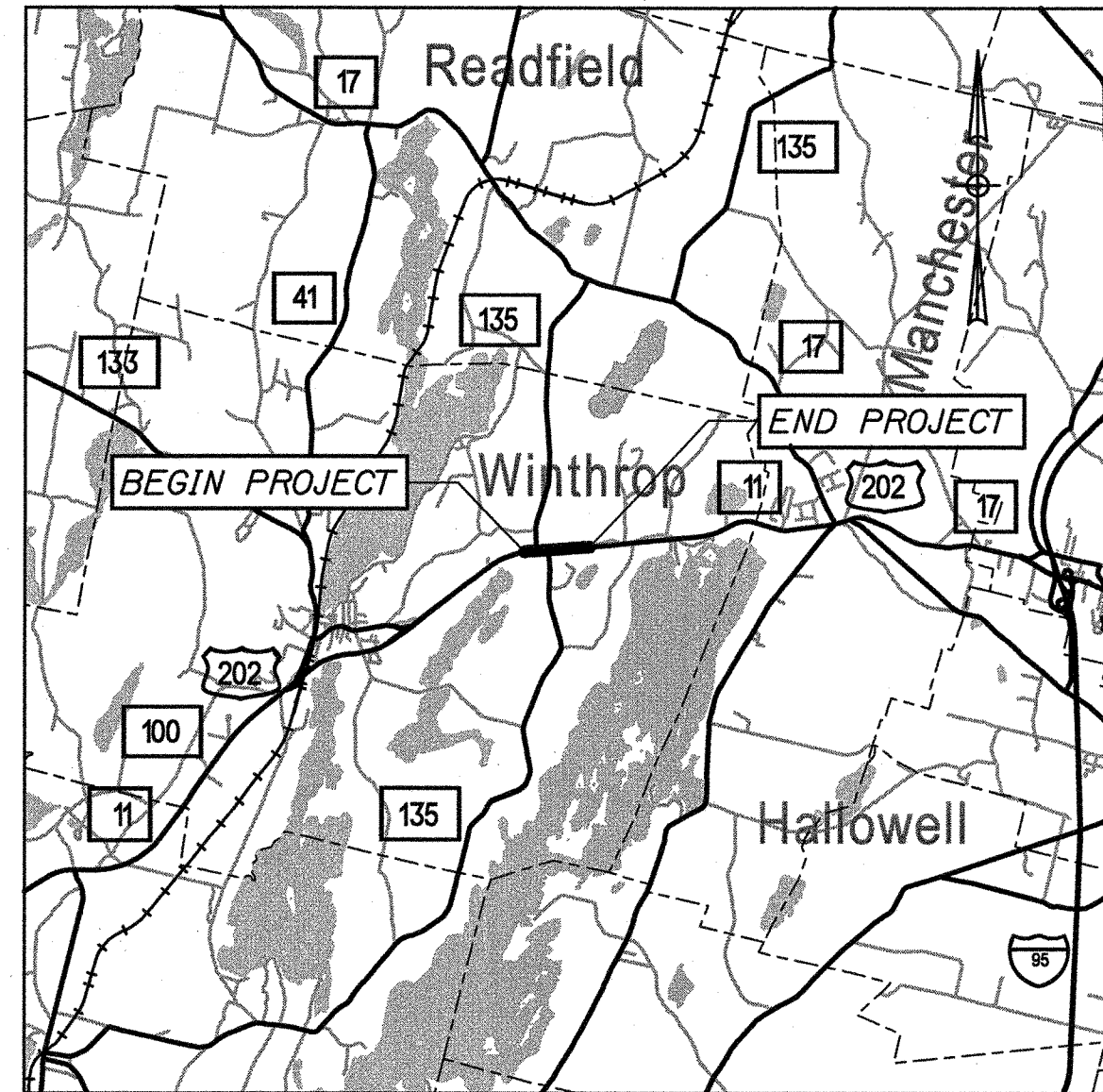


STATE OF MAINE DEPARTMENT OF TRANSPORTATION

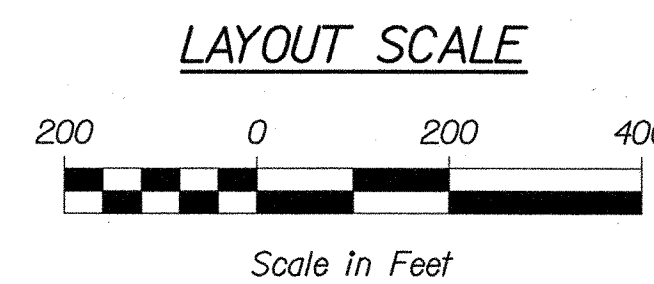
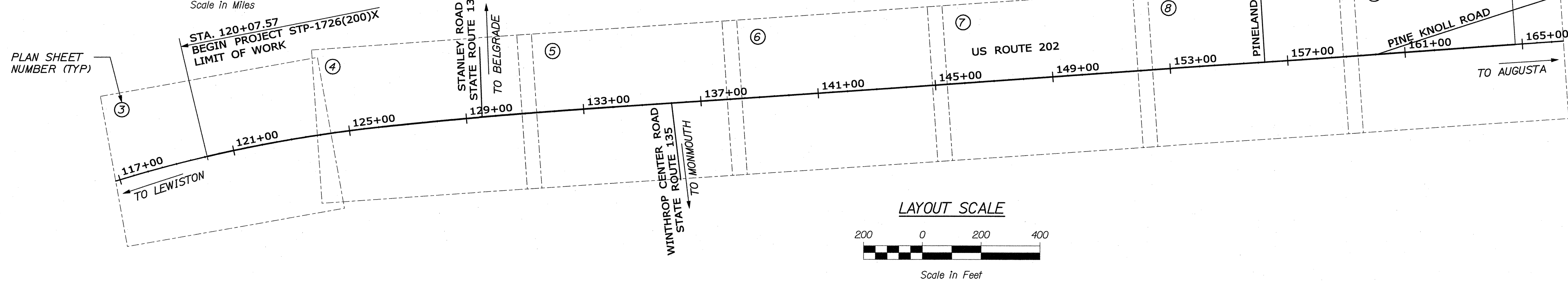
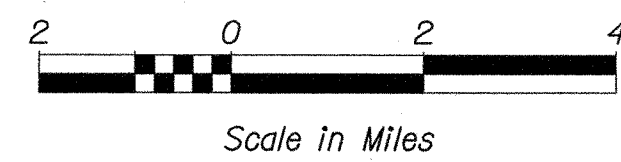


WINTHROP KENNEBEC COUNTY US ROUTE 202 STP-1726(200)X

PROJECT LENGTH : 0.846 mi.
A PAVING, STRIPING, AND SIGNING PROJECT



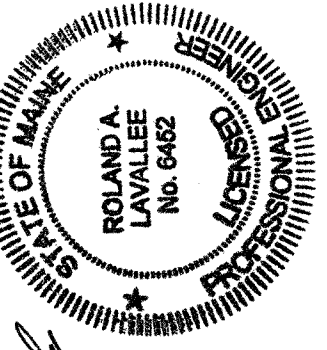
LOCATION MAP



INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Estimated Quantities, General Notes & Typical Sections	2
Plans	3-9

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>		6/4/12
CHIEF ENGINEER: <i>[Signature]</i>		6/4/10



<i>[Signature]</i>	SIGNATURE
6482	P.E. NUMBER
6/22/12	DATE

PROGRAM	TRAFFIC ENGINEERING
PROJECT MANAGER	JIM MANSR
DESIGNER	BRUCE MUNGER
CONSULTANT	HNTB
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PIN 17262.00

STP-1726(200)X

WINTHROP
US ROUTE 202
TITLE SHEET

SHEET NUMBER

1

OF 9

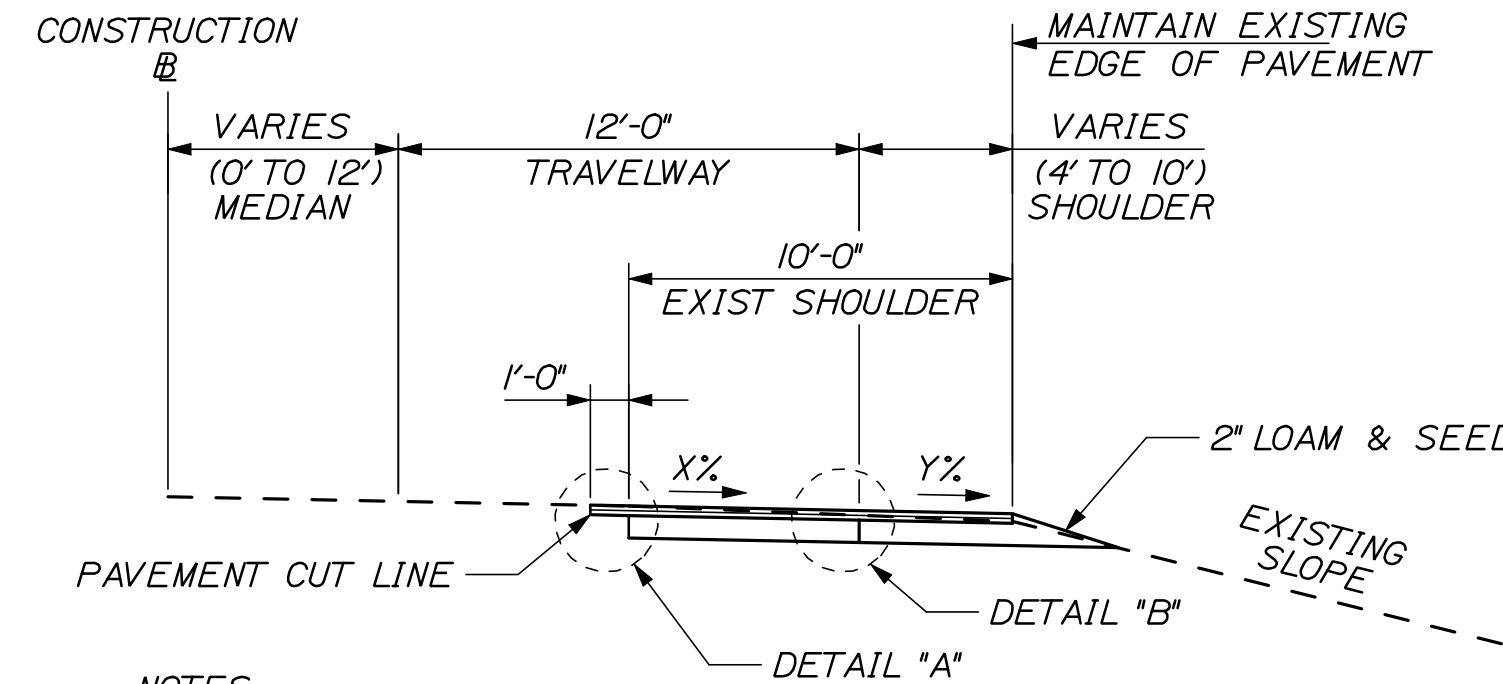
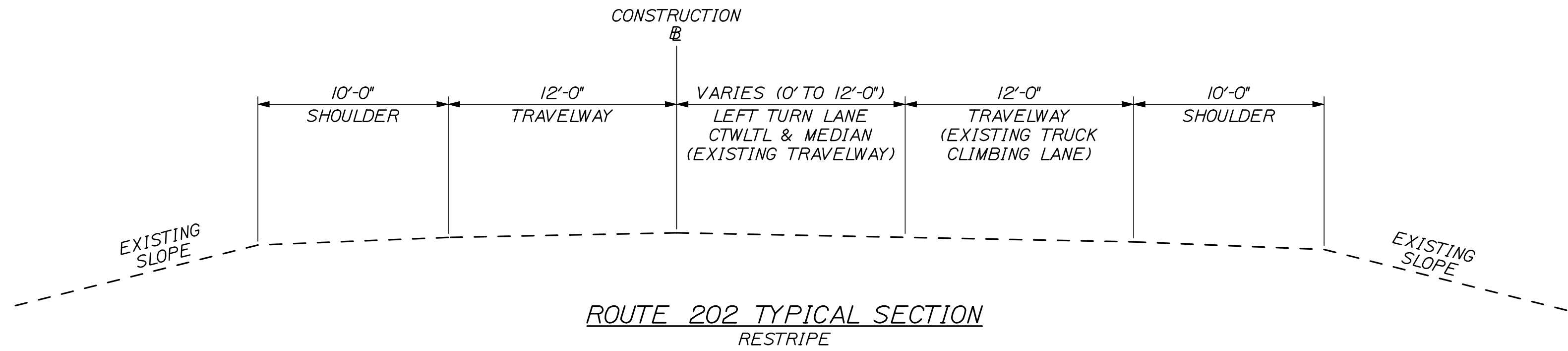
ESTIMATED QUANTITIES

ITEM NO	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	250	CY
304.10	AGGREGATE SUBBASE COURSE-GRAVEL	175	CY
403.207	HMA, 19.0MM NOMINAL MAX SIZE	145	TON
403.208	HMA, 12.5MM NOMINAL MAX SIZE, SURFACE	120	TON
403.209	HMA, 9.5MM NOMINAL MAX SIZE (SIDEWALKS, DRIVES, ISLANDS & INCIDENTALS)	54	TON
403.213	HMA, 12.5MM NOMINAL MAX SIZE, BASE	120	TON
409.15	BITUMINOUS TACK COAT, APPLIED	145	GAL
609.34	CURB TYPE 5	1,300	LF
609.35	CURB TYPE 5 - CIRCULAR	25	LF
615.07	LOAM	21	CY
618.1301	SEEDING METHOD NUMBER 1 - PLAN QUANTITY	3.5	UNIT
619.1201	MULCH, PLAN QUANTITY	3.5	UNIT
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	10,600	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	750	SF
627.76	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	1	LS
627.77	REMOVING EXISTING PAVEMENT MARKINGS	3,900	SF
629.05	HAND LABOR, STRAIGHT TIME	40	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
645.106	DEMOUNT REGULATORY, WARNING, CONFIRMATION & ROUTE MARKER ASSEMBLY SIGN	3	EA
645.271	REGULATORY, WARNING, CONFIRMATION & ROUTE ASSEMBLY SIGN, TYPE 1	101	SF
645.306	FLEXIBLE REFLECTORIZED DELINEATOR	67	EA
652.33	DRUM	180	EA
652.34	CONE	180	EA
652.35	CONSTRUCTION SIGNS	470	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGERS	240	HR
658.20	ACRYLIC LATEX COLOR FINISH	490	SY
659.10	MOBILIZATION	1	LS

* UNDETERMINED LOCATION

GENERAL NOTES

- THE UTILITIES INVOLVED IN THIS CONTRACT ARE:
CENTRAL MAINE POWER COMPANY
FAIRPOINT COMMUNICATIONS
GREATER AUGUSTA UTILITY DISTRICT
TIME WARNER CABLE
- ALL UTILITY FACILITIES SHALL BE ADJUSTED THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED OR PLANNED.
- NO UTILITY INVOLVEMENT IS ANTICIPATED.
- ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.
- NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN SHALL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
- PAVEMENT CUT LINES SHALL BE NEAT, CLEAN AND STRAIGHT AS DIRECTED BY THE RESIDENT. PAYMENT FOR CUTTING OF EXISTING PAVEMENT SHALL BE INCIDENTAL TO ITEM 403.
- PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY" U.S.D.O.T. F.H.W.A. 2003 EDITION.
- SIGNS R3-8cR AND R3-8cL SHALL BE 30" X 30". SIGN R3-9b SHALL BE 24" X 36". SIGNS R3-9c AND R3-9d SHALL BE 24" X 12".
- LOAM HAS BEEN ESTIMATED FOR 100% OF THE DISTURBED SLOPE AREA. ACTUAL PLACEMENT OF THE LOAM USED SHALL BE AS DESIGNATED BY THE RESIDENT.
- UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE USED IN ALL AREAS.
- MULCH SHALL BE APPLIED IN AREAS SEEDED BY SEEDING METHOD NO. 1.
- LOAM SHALL BE PLACED TO A DEPTH OF 4" IN DEVELOPED LAWN AREAS AND 2" IN ALL OTHER AREAS OR AS DIRECTED BY THE RESIDENT.
- ACRYLIC LATEX COLOR FINISH - GREEN SHALL BE PLACED ON PAVED APRONS OF FIELD INLETS AND ON ALL PAVED ISLANDS.

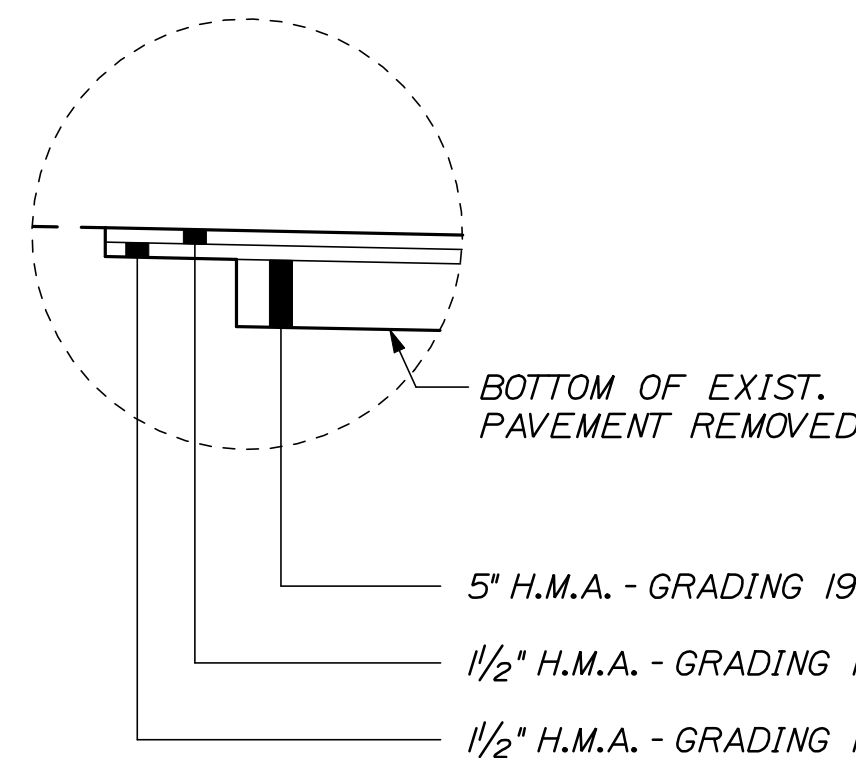


NOTES:

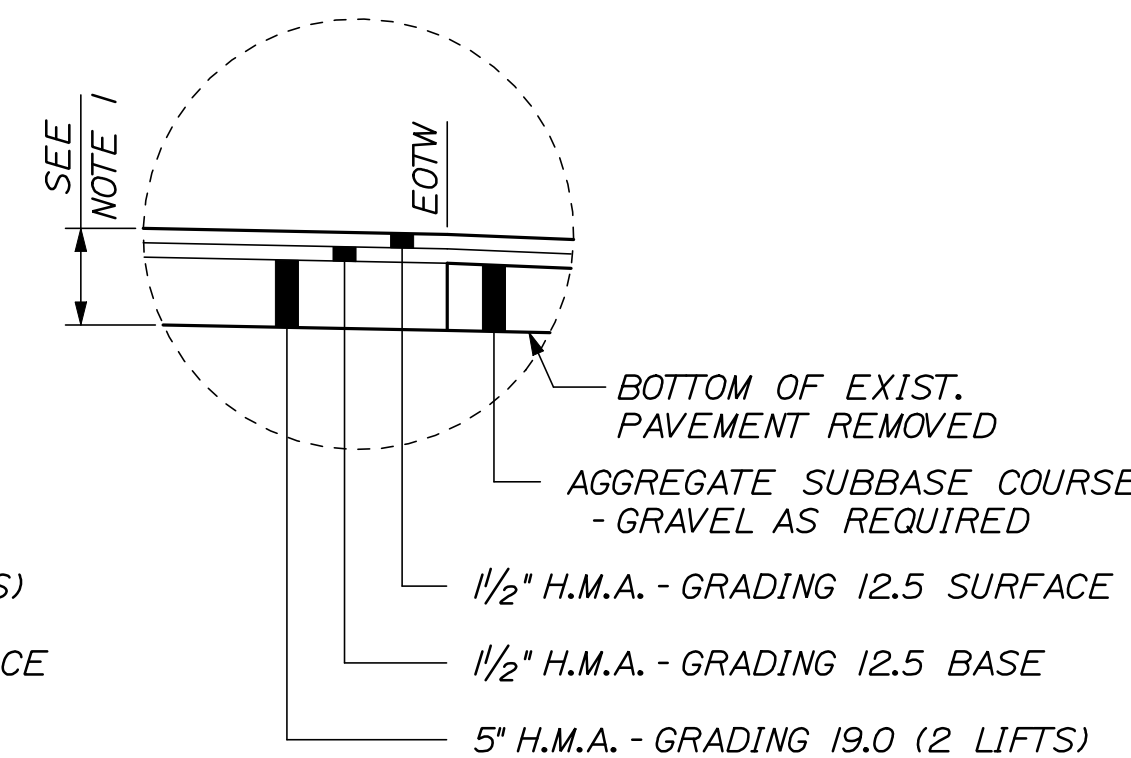
- X% EQUALS EXISTING TRAVELWAY CROSS SLOPE.
- Y% EQUALS THE GREATER OF 4% OR EXISTING TRAVELWAY CROSS SLOPE.
- PAVEMENT REMOVAL SHALL BE PAID FOR AS COMMON EXCAVATION.

SHOULDER RECONSTRUCTION DETAIL

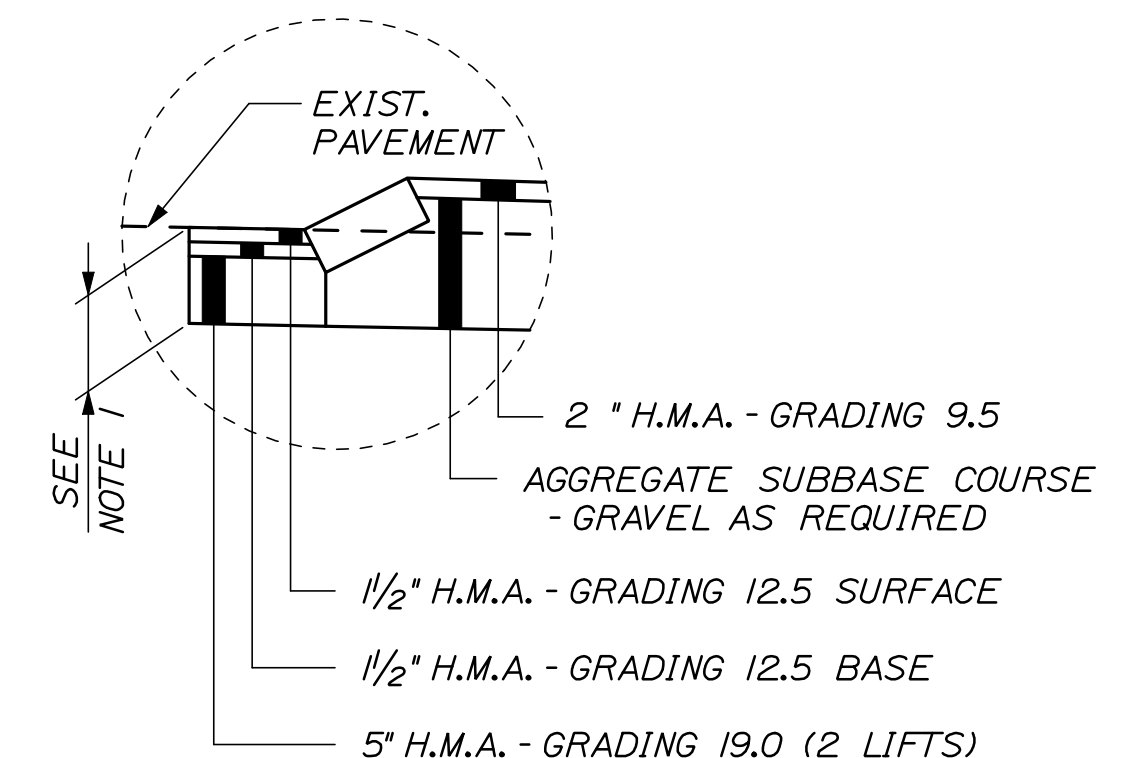
STA. 120+07.57 TO STA. 126+11.60
STA. 159+54 TO STA. 164+76



DETAIL "A"



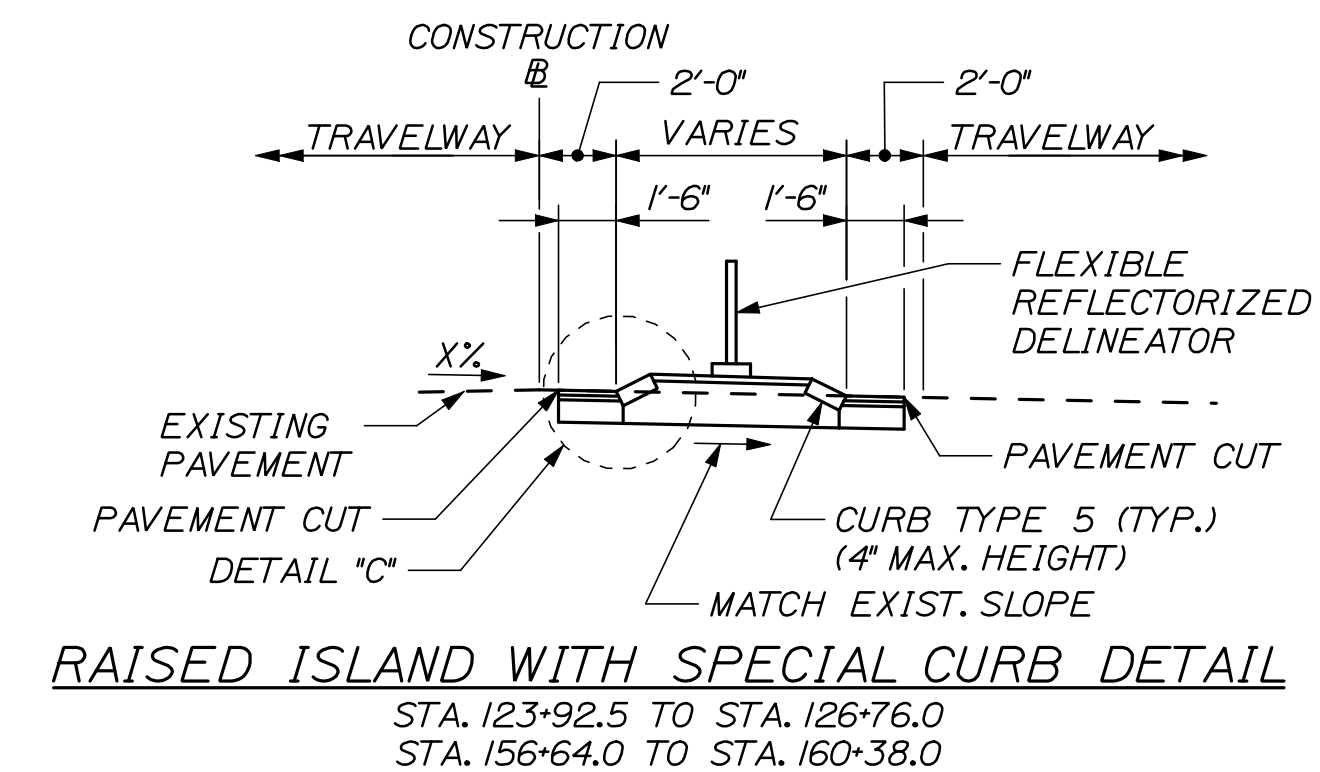
DETAIL "B"



DETAIL "C"

NOTES:

- THE PAVEMENT DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL PROPOSED TRAVELWAY AND SHOULDER PAVEMENT DEPTH SHALL MATCH EXISTING. 8" AND 3" PAVEMENT DEPTH FOR TRAVELWAY AND SHOULDER DEPTHS WAS ASSUMED FOR DESIGN PURPOSES. RESIDENT SHALL DETERMINE FINAL PAVEMENT DEPTHS.



RAISED ISLAND WITH SPECIAL CURB DETAIL

STA. 123+92.5 TO STA. 126+76.0
STA. 156+64.0 TO STA. 160+38.0

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1726(200)X
PIN 17262.00
HIGHWAY PLANS

PROJ. MANAGER	JIM MANSUR	BY	DATE
DESIGN-DETAILED	LRM	LEM	05/10
CHECKED-REVIEWED	DJE		05/10
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

WINTHROP
US ROUTE 202
ESTIMATED QUANTITIES, GENERAL NOTES & TYPICAL SECTIONS

SHEET NUMBER
2
OF 9

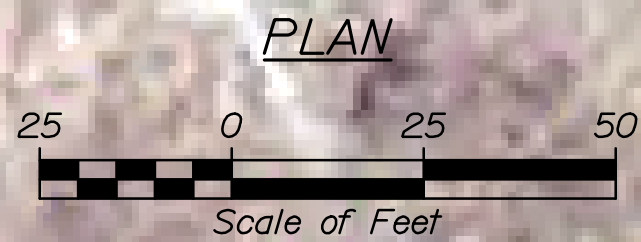
NOT TO SCALE

Date: 6/14/2010

Username: imeek

Division: HIGHWAY

Filename: ... \CAD\002_GN&EST.dgn



NOTES:

- ALL WORK TO CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
- ALL PROPOSED WORK SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", U.S.D.O.T., F.H.W.A. 2003 EDITION.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS.
- BASELINE LAYOUT INFORMATION IS BASED ON AERIAL PHOTOS, NOT BASED ON SURVEY.
- LOCATIONS OF EXISTING AND PROPOSED SIGNS ARE APPROXIMATE. EXACT LOCATIONS OF PROPOSED SIGNS SHALL BE DETERMINED BY THE RESIDENT.
- FLEXIBLE REFLECTORIZED DELINEATORS SHALL BE INSTALLED AT 10' SPACING ALONG CENTER OF RAISED ISLANDS.

LEGEND	
SWL	SOLID WHITE LINE 4"
SYL	SOLID YELLOW LINE 4"
BWL	BROKEN WHITE LINE 4"
BYL	BROKEN YELLOW LINE 4"
DYL	DOUBLE YELLOW LINE 4"
↑	STRAIGHT ARROW PAVEMENT MARKING
←	LEFT ARROW PAVEMENT MARKING
→	RIGHT ARROW PAVEMENT MARKING
ONLY	"ONLY" PAVEMENT MARKING

BASELINE CURVE DATA	
(A)	PI = 119+81.43
	D = 1° - 13' - 55.8"
	Δ = 15° - 37' - 37.6" Rt.
	R = 4650.00'
	L = 1268.26'
	T = 638.09'
	E = 43.58'

LAYOUT LINE CURVE DATA	
(C)	D = 1° - 50' - 53.7"
	Δ = 6° - 50' - 18.2" Rt.
	R = 3100.00'
	L = 369.99'
	T = 185.22'
	E = 5.53'

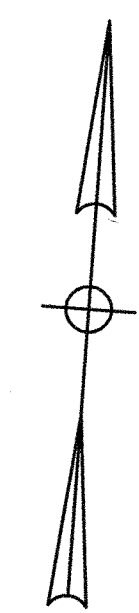
LAYOUT LINE CURVE DATA	
(D)	D = 0° - 15' - 31.7"
	Δ = 0° - 36' - 15.3" Rt.
	R = 22138.00'
	L = 233.47'
	T = 116.74'
	E = 0.31'

PROJ. MANAGER	JIM MANSIR	BY	DATE
DESIGN-DETAILED	LRM	LEM	05/10
CHECKED-REVIEWED	DGE	-	05/10
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

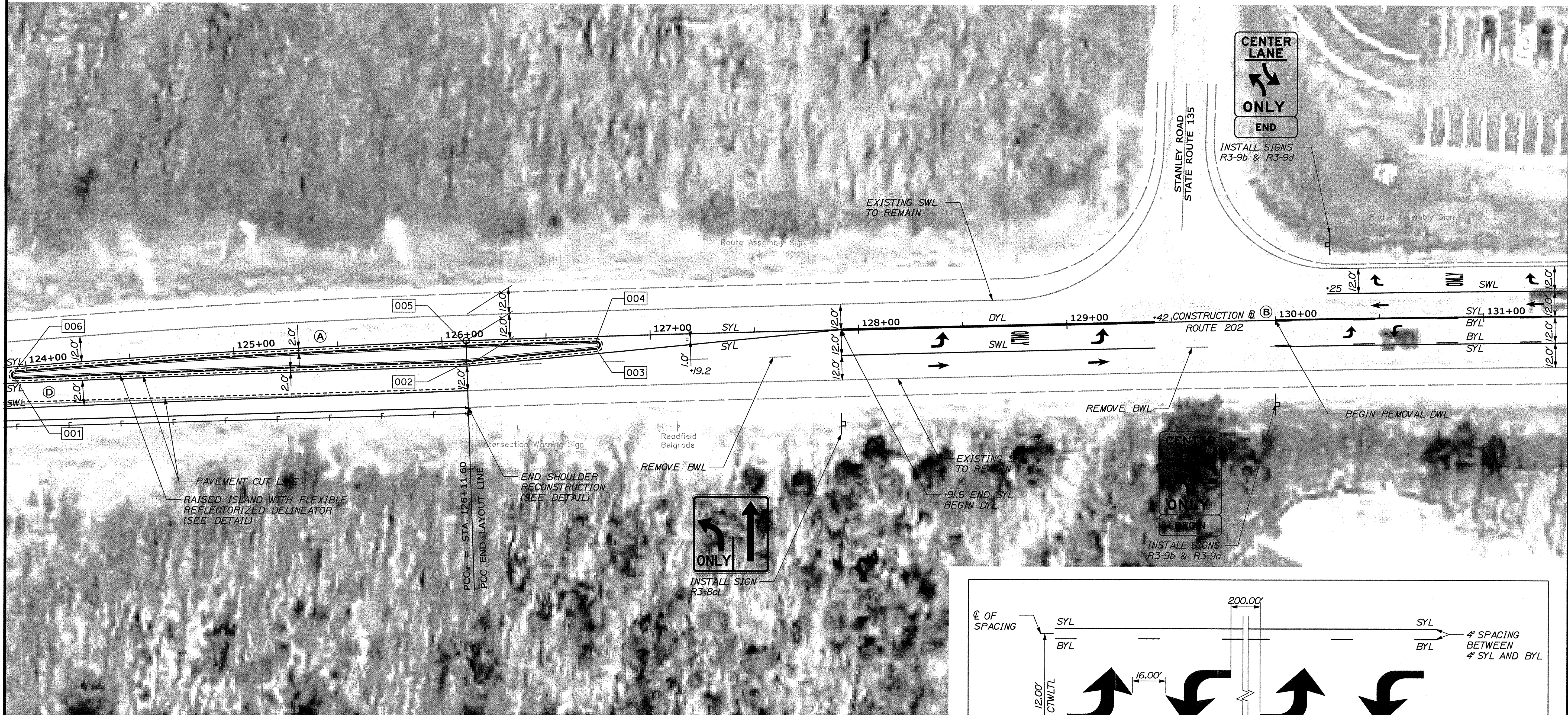
SIGNATURE	P.E. NUMBER	DATE

CURB TYPE 5 (4" MAX. HEIGHT)						
POINT	STATION/OFFSET	TO	POINT	STATION/OFFSET	RADIUS	LENGTH
001	123+94.46, 6.00'	RT	002	126+11.54, 10.00'	22,140.00'	216.73'
002	126+11.54, 10.00'	RT	003	126+74.14, 5.99'	-	62.71'
004	126+74.01, 2.00'	RT	005	126+11.60, 2.00'	19,478.36'	62.40'
005	126+11.60, 2.00'	RT	006	123+94.53, 2.00'	4,648.00'	216.98'

CURB TYPE 5 - CIRCULAR (4" MAX. HEIGHT)						
POINT	STATION/OFFSET	TO	POINT	STATION/OFFSET	RADIUS	LENGTH
001	123+94.46, 6.00'	RT	006	123+94.53, 2.00'	2.00'	6.21'
003	126+74.14, 5.99'	RT	004	126+74.01, 2.00'	2.00'	6.15'



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1726(200)X
PIN 17262.00
HIGHWAY PLANS



PROJ. MANAGER	JUN. MANAGER	BY	DATE
DESIGN-DETAILED	LEM		05/10
CHECKED-REVIEWED	DCE		05/10
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

WINTHROP
US ROUTE 202
PLAN

BASELINE CURVE DATA

Ⓐ

PI	= 119+81.43
D	= 1° - 13' - 55.8"
Δ	= 15° - 37' - 37.6" Rt.
R	= 4650.00'
L	= 1268.26'
T	= 638.09'
E	= 43.58'

BASELINE CURVE DATA

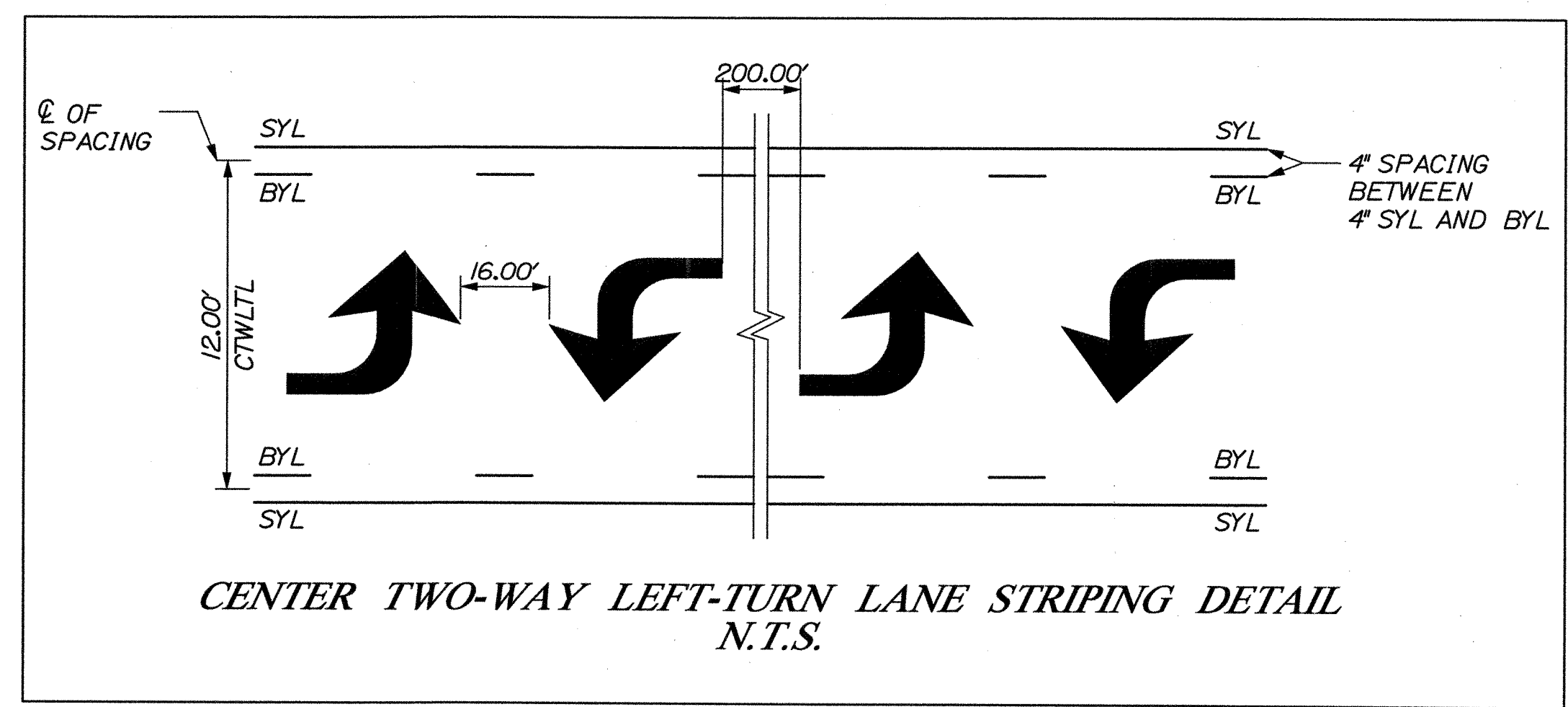
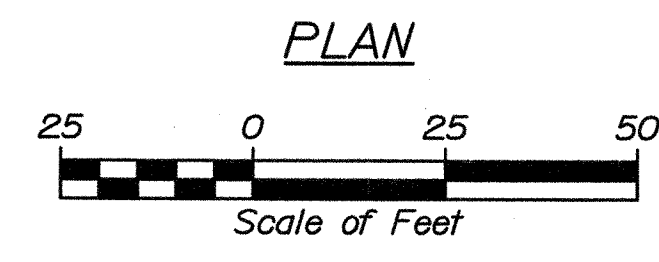
Ⓑ

PI	= 130+09.62
D	= 0° - 15' - 31.2"
Δ	= 2° - 3' 32.0" Rt.
R	= 22150.00'
L	= 795.95'
T	= 398.02'
E	= 3.58'

LAYOUT LINE CURVE DATA

Ⓒ

D	= 0° - 15' - 31.7"
Δ	= 0° - 36' - 15.3" Rt.
R	= 22138.00'
L	= 233.47'
T	= 116.74'
E	= 0.31'



SHEET NUMBER
4
OF 9

Date: 5/20/2010
Username: mcundiff
Division: BRIDGE
Filename: 004_HDPLAN.dgn



BASELINE CURVE DATA

① PI = 130+09.62
 D = 0° - 15' - 31.2"
 Δ = 2° - 3' 32.0" Rt.
 R = 22150.00'
 L = 795.95'
 T = 398.02'
 E = 3.58'

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 STP-1726(200)X

DATE	BY	SIGNATURE
05/10	LEM	
05/10		

PROJ. MANAGER	JIM MANSUR	DATE
DESIGN-DETAILED	IRM	
CHECKED-REVIEWED	DGE	
DESIGN-DETAILED		
REVISIONS		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

WINTHROP
 US ROUTE 202
 PLAN

SHEET NUMBER
5
 OF 9

HIGHWAY PLANS
 PIN
 17262.00

Date: 5/20/2010

Username: mcundliff

Division: BRIDGE

Filename: 006_HDPLAN.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1726(200)X

DATE
05/20
05/20

BY
LEM

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER
JIM MANSIR

DESIGN-DETAILED
IRM

CHECKED-REVIEWED
ICE

DESIGN-DETAILED
DESIGN-DETAILED03

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

WINTHROP
US ROUTE 202
PLAN

SHEET NUMBER
6
OF 9

HIGHWAY PLANS

PIN 17262.00

Date: 5/20/2010

Username: mcundiff

Division: BRIDGE

Filename: 007_HDPLAN.dgn



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
STP-1726(200)X		PIN 17262.00	
HIGHWAY PLANS			
PROJ. MANAGER	JIM MANSER	BY	DATE
DESIGN-DETAILED	IRM	LEM	05/10
CHECKED-REVIEWED	DCB		05/10
DESIGN-DETAILED2			
DESIGN-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
SIGNATURE		SIGNATURE	
P.E. NUMBER		P.E. NUMBER	
DATE		DATE	
WINTHROP US ROUTE 202 PLAN			
SHEET NUMBER			
7			
OF 9			

Date: 5/20/2010

Username: mcundiff

Division: BRIDGE

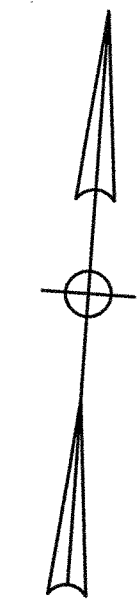
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CURB TYPE 5 (4" MAX. HEIGHT)

POINT STATION/OFFSET	TO	POINT STATION/OFFSET	RADIUS	LENGTH
011 156+65.59, 5.95' RT		012 157+00.00, 10.00' RT	148.00'	34.72'
012 157+00.00, 10.00' RT		013 160+36.04, 6.00' RT	-	336.08'
014 160+36.01, 2.00' RT		015 156+66.06, 2.00' RT	-	369.95'

CURB TYPE 5 - CIRCULAR (4" MAX. HEIGHT)

POINT STATION/OFFSET	TO	POINT STATION/OFFSET	RADIUS	LENGTH
011 156+65.59, 5.95' RT		015 156+66.06, 2.00' RT	2.00'	5.81'
013 160+36.04, 6.00' RT		014 160+36.01, 2.00' RT	2.00'	6.25'



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1726(200)X
PIN 17262.00
HIGHWAY PLANS

PROJ. MANAGER	JIM MANSIR	BY	DATE
DESIGN-DETAILED	FRM	LEM	05/10
CHECKED-REVIEWED	DC		05/10
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

WINTHROP
US ROUTE 202
PLAN

SHEET NUMBER
8
OF 9

Filename: 009_HDPLAN.dgn

Division: BRIDGE

Username: mcundiff

Date: 5/20/2010



STA. 164+76
 END PROJECT STP-1726(200)X
 LIMIT OF WORK
 MATCH EXISTING PAVEMENT AND STRIPING

PINE KNOLL ROAD

EXISTING SWL
 TO REMAIN

014
 SYL +67.4
 R 3.75'
 SYL
 SWL
 013
 PAVEMENT CUT LINE
 STA. 159+92.7
 BEGIN SHOULDER RECONSTRUCTION
 (SEE DETAIL)
 RAISED ISLAND WITH FLEXIBLE
 REFLECTORIZED DELINEATOR
 (SEE DETAIL)

MAINTAIN MIN. 4' SHOULDER WIDTH

END SHOULDER
 RECONSTRUCTION



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 STP-1726(200)X
 PIN 17262.00
 HIGHWAY PLANS

PROJ. MANAGER	JUN. MANAGER	BY	DATE
DESIGN-DETAILED	LEM	LEM	05/20
CHECKED-REVIEWED	DCE	-	05/20
DESIGN-DETAILED	DCE	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

WINTHROP
 US ROUTE 202
 PLAN

SHEET NUMBER
 9
 OF 9