STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

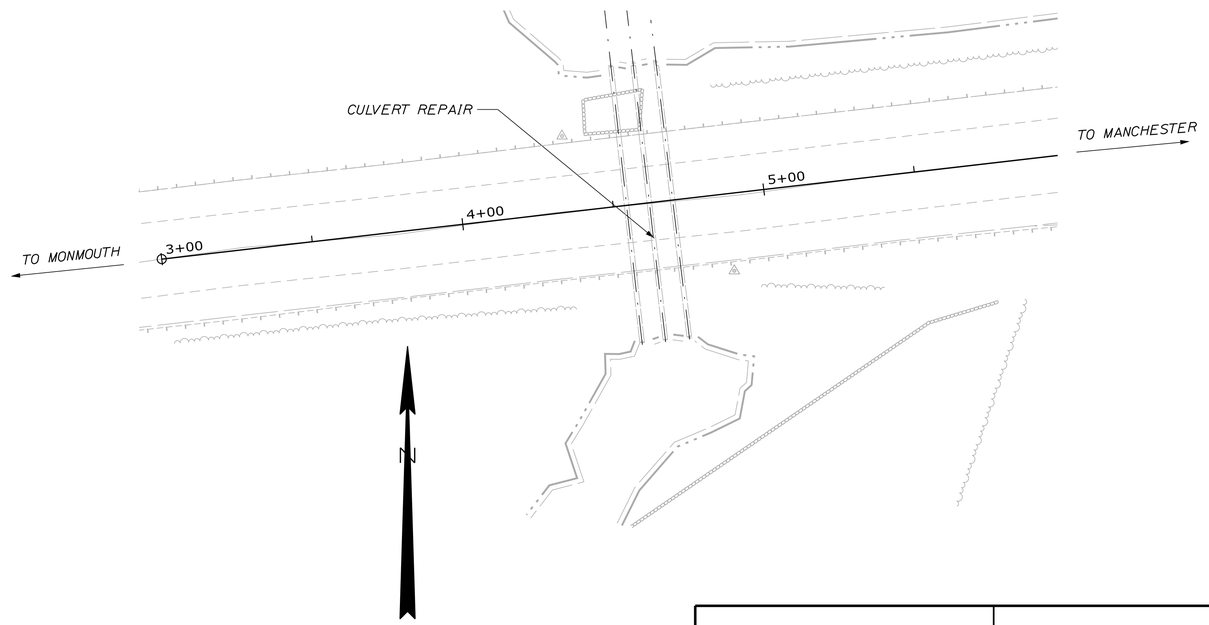
PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
Culvert-Existing
Culvert Proposed
Curbing — Existing — Proposed
Type 1
Type 3
Type 5
Outline of Bodies of Water
Ledge
Buildings
Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line — CLL
Centerline-Existing
Centerline-Proposed — 10+00
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins — Existing — Proposed
Manholes — Existing — Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utlity Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

WINTHROP
KENNEBEC COUNTY
ROUTE 202
STATE PROJECT NO. 20338.00
PROJECT LENGTH : 0.01 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
General Notes	2
Pipe Details	3
Plan	4
Cross Sections	5-6
Right of Way Map	7



TRAFFIC DATA

Current (2014) AADT	13910
Design Speed (mph)	45
Functional Class	Minor Arterial
Corridor Priority	1

LAYOUT SCALE

25 0 25 50

Scale in Feet

PROJECT LOCATION:	RTE 202, 1.0 MILE WESTERLY OF MANCHESTER/WINTHROP TL
PROGRAM AREA:	HIGHWAY
SCOPE OF WORK:	LARGE CULVERT REHABILITATION: SLIP LINING

WIN 20338.00 20338.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE

COMMISSIONER:

CHIEF ENGINEER:

SIGNATURE

P.E. NUMBER

DATE

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	SHAWN SMITH
DESIGNER	N HARTLEY
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WINTHROP
ROUTE 202

TITLE SHEET

SHEET NUMBER

1

OF 7

Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Division: HIGHWAY Username: Nicholas.W.Hartley Date:7/2/2014

GENERAL NOTES

1. EXISTING INSLOPES STEEPER THAN 2:1 IN PROPOSED FILL AREAS SHALL BE BENCHED AS DIRECTED BY THE RESIDENT.

2. THE FOLLOWING SHALL BE CONSIDERED INCIDENTAL TO ITEM 509.202 SLIP LINING:
   A) ANY CUTTING OF EXISTING CULVERTS AND/OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS.

   B) ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVING OF PAVEMENT.

   C) FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION.

   D) FLOW LINES MAY BE CHANGED BY UP TO 1.5 FT.

   E) ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES WITHIN 10' OF CULVERT ENDS.

   F) FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND/OR FILL MATERIAL. THIS ALSO INCLUDES GRANULAR BORROW USED UNDER THE PIPES AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION. EXCAVATION OF MAINTENANCE OF TRAFFIC MATERIAL IS ALSO INCIDENTAL.

3. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED, OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

4. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEMS.

5. 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.

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

7. EROSION CONTROL GEOTEXTILE SHALL BE PLACED AT ALL RIPRAP LOCATIONS. PAYMENT WILL BE MADE UNDER ITEM 620.58 EROSION CONTROL GEOTEXTILE.

8. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

9. STATIONS REFERENCED ARE APPROXIMATE.

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

11. THE CONTRACTOR WILL PERFORM FIELD MEASUREMENTS BEFORE FABRICATION TO ENSURE THE SLIP LINE WILL FIT IN THE CURRENT PIPE CONDITIONS.

12. QUANTITIES INCLUDED FOR PAY ITEMS MEASURED AND PAID FOR BY LUMP SUM ARE ESTIMATED QUANTITIES AND ARE PROVIDED BY MAINEDOT FOR INFORMATIONAL PURPOSES ONLY. LUMP SUM PAY ITEMS WILL BE PAID FOR AT THE CONTRACT BID AMOUNT WITH NO ADDITION OR REDUCTION IN PAYMENT TO THE CONTRACTOR IF THE ACTUAL FINAL QUANTITIES ARE DIFFERENT FROM MAINEDOT PROVIDED ESTIMATED QUANTITIES EXCEPT AS FOLLOWS:

    A) IF A LUMP SUM PAY ITEM IS ELIMINATED THE REQUIREMENTS OF STANDARD SPECIFICATIONS SECTION 109.2 ELIMINATION OF ITEMS WILL TAKE PRECEDENCE.

    B) IF OTHER CONTRACT DOCUMENTS SPECIFICALLY ALLOW A CHANGE IN PAYMENT OF A LUMP SUM PAY ITEM THOSE REQUIREMENTS WILL BE AS FOLLOWED.

    C) IF A DESIGN CHANGE RESULTS IN A CHANGE TO ESTIMATED QUANTITIES FOR LUMP SUM PAY ITEMS, PRICE ADJUSTMENTS WILL BE MADE IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 109.7 EQUITABLE ADJUSTMENTS TO COMPENSATION.

CONSTRUCTION NOTES

AREAS AND STATIONS AS DIRECTED ON PLANS.

509.202 CULVERT SLIP LINING
THIS ITEM SHALL INCLUDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE SLIPPING. THIS INCLUDES, BUT IS NOT LIMITED TO, DEWATERING, CLEANING THE EXISTING STRUCTURE, FURNISHING AND PLACING APPROXIMATELY 280' OF NEW 54" INSIDE DIAMETER CULVERT, BRACING THE CULVERT, AND ANNULAR SPACE GROUT.

511.07 COFFERDAM
THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO CONSTRUCT COFFERDAMS IN ACCORDANCE WITH SECTION 511 OF THE STANDARD SPECIFICATIONS. SEPARATE PAYMENT SHALL BE MADE FOR UPSTREAM AND DOWNSTREAM COFFERDAMS.

610.08 PLAIN RIPRAP
STATION 4+43 LT TO STATION 4+86 LEFT
STATION 4+43 RT TO STATION 4+91 RT

SEEDING - INCIDENTAL TO CONTRACT ITEMS
METHOD #2 - SEEDING MAY BE DONE BY HAND

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	10	CY
203.24	GRANULAR BORROW	10	CY
509.202	CULVERT SLIPLINING	280	LF
511.07	COFFERDAM: UPSTREAM	1	LS
511.07	COFFERDAM: DOWNSTREAM	1	LS
610.08	PLAIN RIPRAP	260	CY
620.58	EROSION CONTROL GEOTEXTILE	310	SY
629.05	HAND LABOR - STRAIGHT TIME	20	HR
631.12	ALL PURPOSE EXCAVATOR (INC. OPERATOR)	10	HR
631.72	TRUCK - LARGE (INC. OPERATOR)	10	HR
631.18	CHAIN SAW RENTAL (INC. OPERATOR)	10	HR
652.33	DRUM	10	EA
652.34	CONE	20	EA
652.35	CONSTRUCITON SIGN	300	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	45	CD/LS
652.38	FLAGGER	240	HR
656.75	TEMPORARY SOOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

020338.00

WIN 20338.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	SHAWN SMITH		
DESIGN-DETAILED	N HARTLEY		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

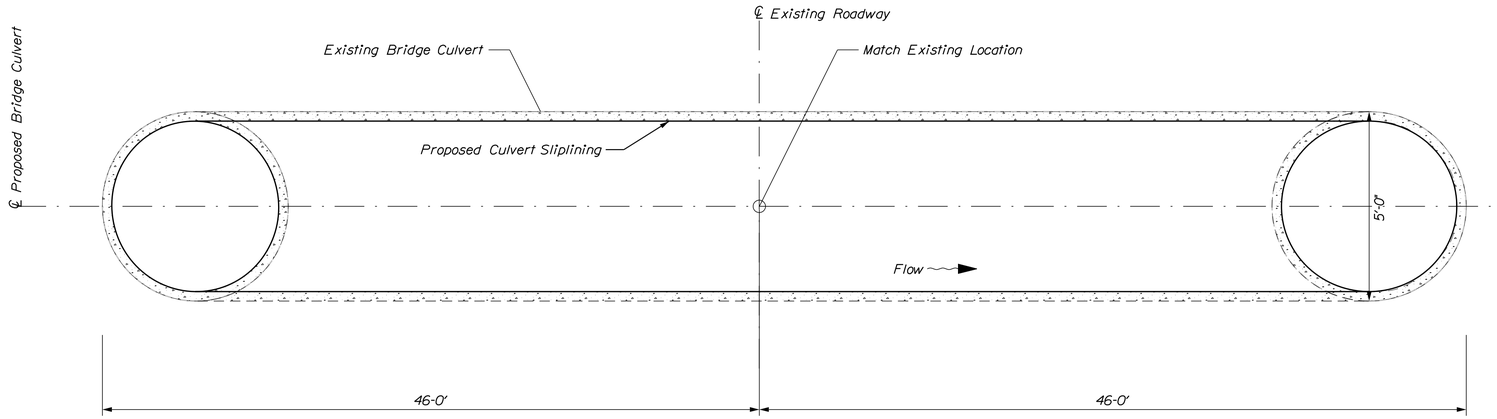
DATE

WINTHROP
ROUTE 202

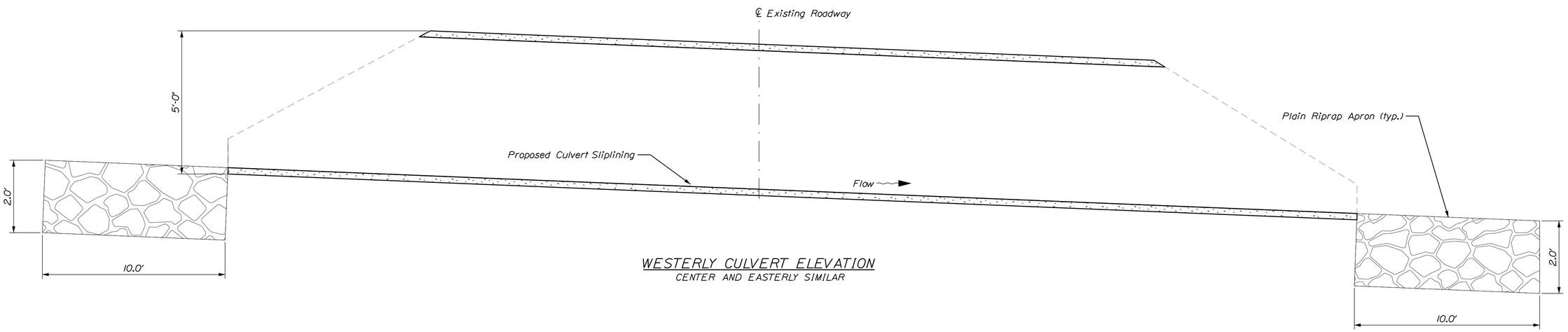
GENERAL NOTES/ESTIMATE

SHEET NUMBER
2
OF 7

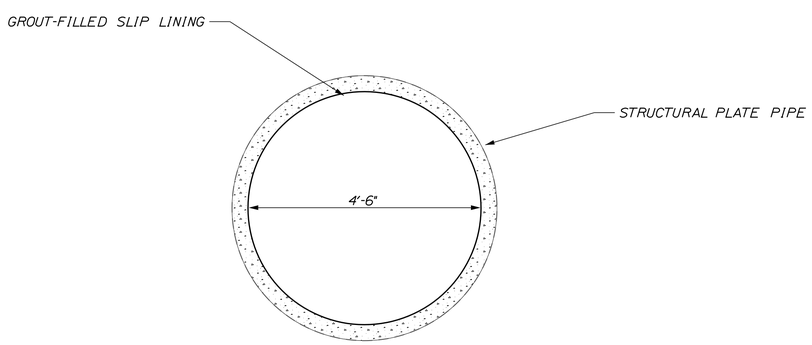
Filename: ...\MSTA\002_GeneralNotes.dgn Division: HIGHWAY Username: Nicholas.W.Hartley Date:7/2/2014



WESTERLY CULVERT PLAN
CENTER AND EASTERLY SIMILAR



WESTERLY CULVERT ELEVATION
CENTER AND EASTERLY SIMILAR



WESTERLY CULVERT SECTION
CENTER AND EASTERLY SIMILAR

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

020338.00

WIN 20338.00

HIGHWAY PLANS

PROJ. MANAGER	SHAWN SMITH	BY	DATE
DESIGN-DETAILED	N HARTLEY	----	----
CHECKED-REVIEWED	----	----	----
DESIGN2-DETAILED2	----	----	----
DESIGN3-DETAILED3	----	----	----
REVISIONS 1	----		----
REVISIONS 2	----		----
REVISIONS 3	----		----
REVISIONS 4	----		----
FIELD CHANGES	----		----

SIGNATURE

P.E. NUMBER

DATE

WINTHROP
ROUTE 202

PLANS

SHEET NUMBER

3

OF 7

Filename: ...\MSTA\003_Pipedetails.dgn Division: HIGHWAY Username: Nicholas.W.Hartley Date:7/2/2014

LITTLE COBBOSSEECONTEE LAKE
f/k/a RICHARD POND

TAX MAP 54
LOT 44

GRID
ZONE

KELBEES
ITEM NO. (1)
TEMP. CONST. RIGHTS = 0.23± AC. (1)
TOTAL AREA = 4.7± AC. (TAX RECORDS)

CONSTRUCTION
0.23± AC.

INSTALL 3-54" GROUT FILLED SLIP LININGS

TEMPORARY

LIMITS

PLAIN RIPRAP

SEE S.H.C. FILE NO. 6-80 (1956)

WET AREA

BABTIST CHURCH PALS CAT SHELTER

STA. 3+00 BEGIN PROJ 020338.00

STA. 6+00 END PROJECT 020338.00

EAST WINTHROP

U. S. ROUTE 202-LEWISTON ROAD

C. FILE NO. 6-35 (1940)

STATE HIGHWAY "15"

BEGIN B.L.

3+00

+90

4+00

5+00

N83°24'05.29"E

+25

N83°24'05.3"E
400.00'

6+00

END B.L.

7+00

0.7 MILES TO WINTHROP-MANCHESTER T.L.

SEE S.H.C. FILE NO. 6-35 (1940)

BEGIN MESSURED 1000'

SPEED LIMIT 55

SPEED LIMIT 45

GRAVEL

GRAVEL

P.L.±

PLAIN RIPRAP

SEE S.H.C. FILE NO. 6-80 (1956)

TEMPORARY

LIMITS

CONSTRUCTION

0.15± AC.

MAPLE

EXISTING SLOPE EASEMENT

THAER ENG. 1213

ERIN WAY

SEE S.H.C. FILE NO. 6-35 (1940)

TAX MAP
LOT 43

ANTHONY WESS
SHEREE WESS

LAKESIDE VILLAGE CONDOMINIUM UNIT OWNERS ASSOCIATION
ITEM NO. (2)
TEMP. CONST. RIGHTS = 0.15± AC. (1)
TOTAL AREA = 3.8± AC. (SURVEY)

STANDARD BOUNDARY SURVEY
LAKESIDE
FOR F & M REALTY
BY THAYER ENGINEERING CO.
1986
KENNEBEC COUNTY REGISTRY OF DEEDS
PLAN E-86056

TAX MAP 53
LOT 7

SUBJECT TO FLOWAGE RIGHTS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

020338.00

WIN
20338.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	SHAWN SMITH	
DESIGN-DETAILED	N HARTLEY	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

WINTHROP
ROUTE 202

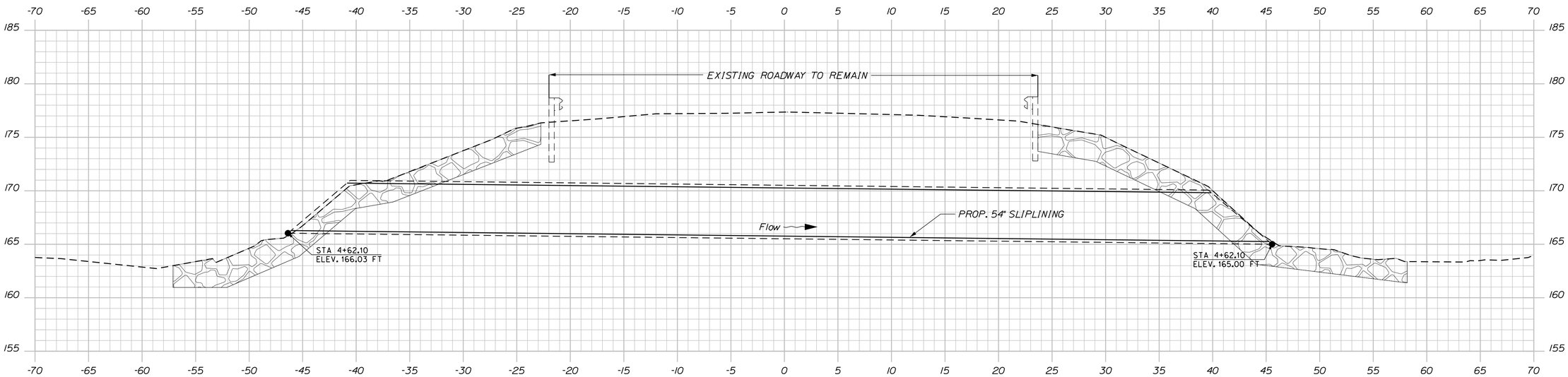
PLANS

SHEET NUMBER

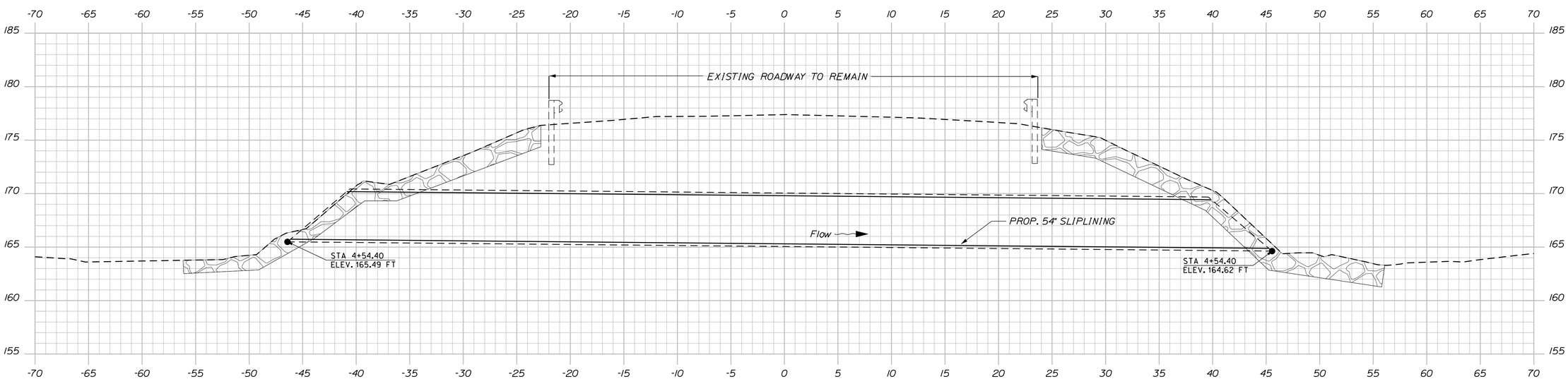
4

OF 7

Filename: ...\HIGHWAY\MSTA\004_HDPlan1.dgn Division: HIGHWAY Username: Nicholas.W.Hartley Date:7/2/2014



4+62.10



4+54.40

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

020338.00

WIN
20338.00

HIGHWAY PLANS

PROJ. MANAGER	SHAWN SMITH	BY	DATE
DESIGN-DETAILED	N HARTLEY		
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

WINTHROP
ROUTE 202

CROSS SECTIONS

SHEET NUMBER

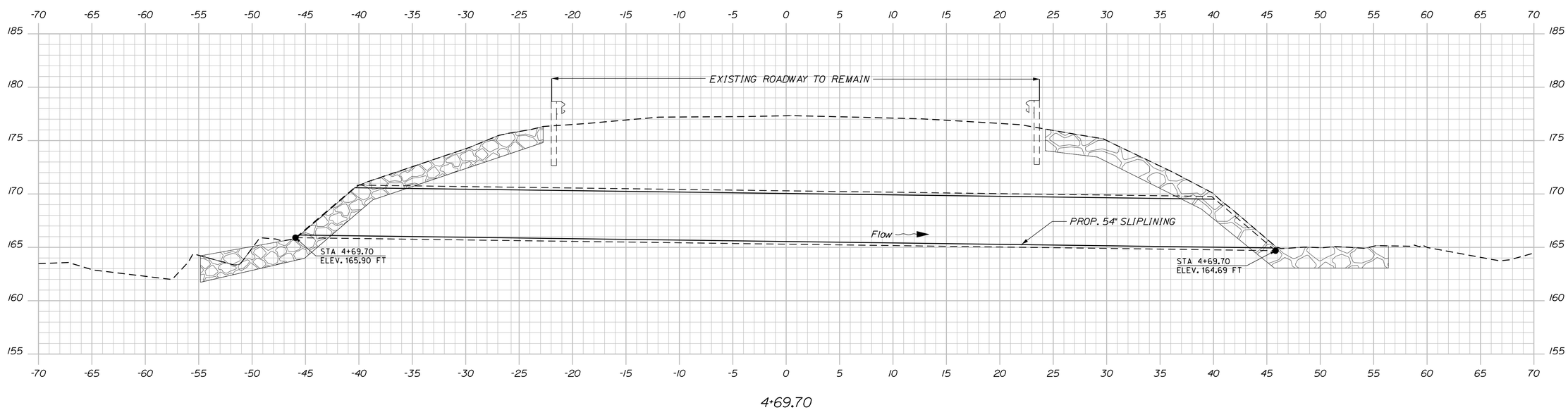
5

OF 7

Filename: ...\MSTA\005_Xsect_4+54_001.dgn Division: HIGHWAY Username: Nicholas.W.Hartley Date:7/2/2014

Sta. 4+54.40 to Sta. 4+62.10

Filename: ...\MSTA\006_Xsect_4+69_002.dgn Division: HIGHWAY Username: Nicholas.W.Hartley Date:7/2/2014



PROJ. MANAGER	SHAWN SMITH	BY	DATE
DESIGN-DETAILED	N HARTLEY		
CHECKED-REVIEWED			SIGNATURE
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			P.E. NUMBER
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			DATE
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

020338.00

WIN
20338.00

HIGHWAY PLANS

WINTHROP
ROUTE 202

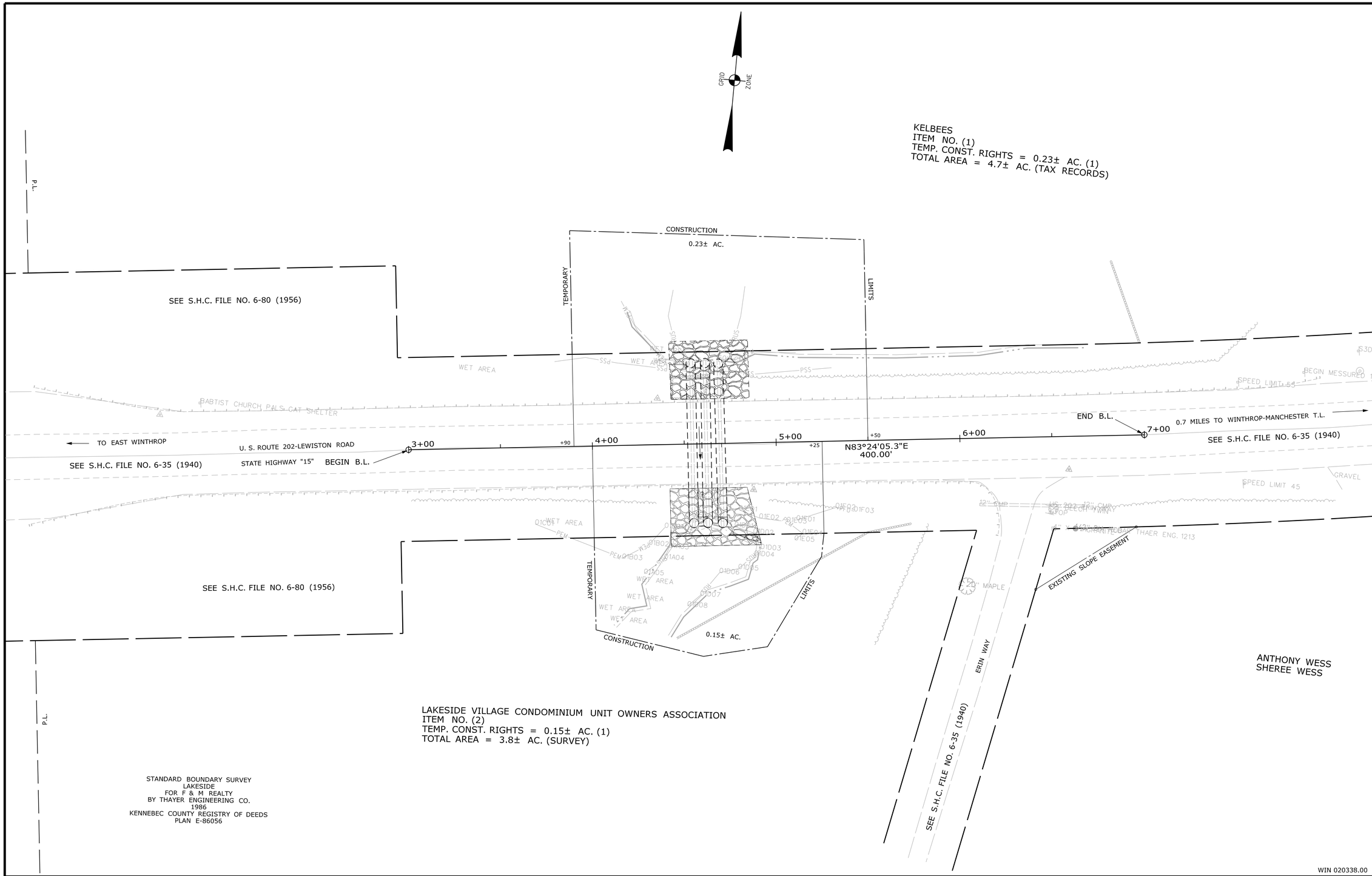
CROSS SECTIONS

SHEET NUMBER

6

OF 7

Sta. 4+69.70 to Sta. 4+69.70



SYMBOLS

- IP or IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- (TRAVERSE POINT)
- WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	D.W.B.	
PROP. LINES	D.W.B.	
AREAS	D.W.B.	P.N.S.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
WINTHROP
RIGHT OF WAY MAP

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "15"
U.S. ROUTE 202-LEWISTON ROAD
WINTHROP KENNEBEC COUNTY
STATE PROJECT NO. 20338.00

MAY 2014 | RIGHT-OF-WAY MAP | 6-X
SCALE 1" = 25' | SHEET 1 OF 1

SHEET NUMBER
7
OF 7

Filename: ...\HIGHWAY\MSTA\007_RWPLAN1.dgn Division: HIGHWAY Username: Nicholas.W.Hartley Date:7/2/2014