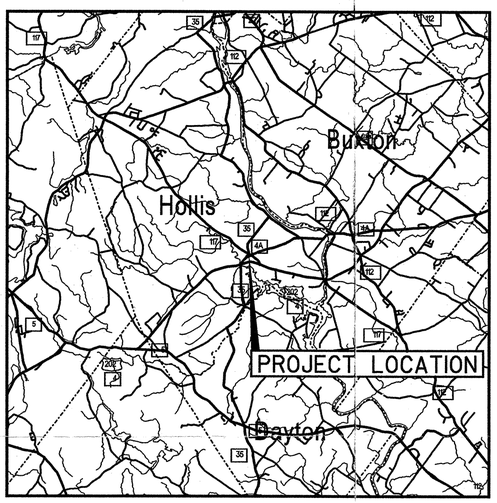
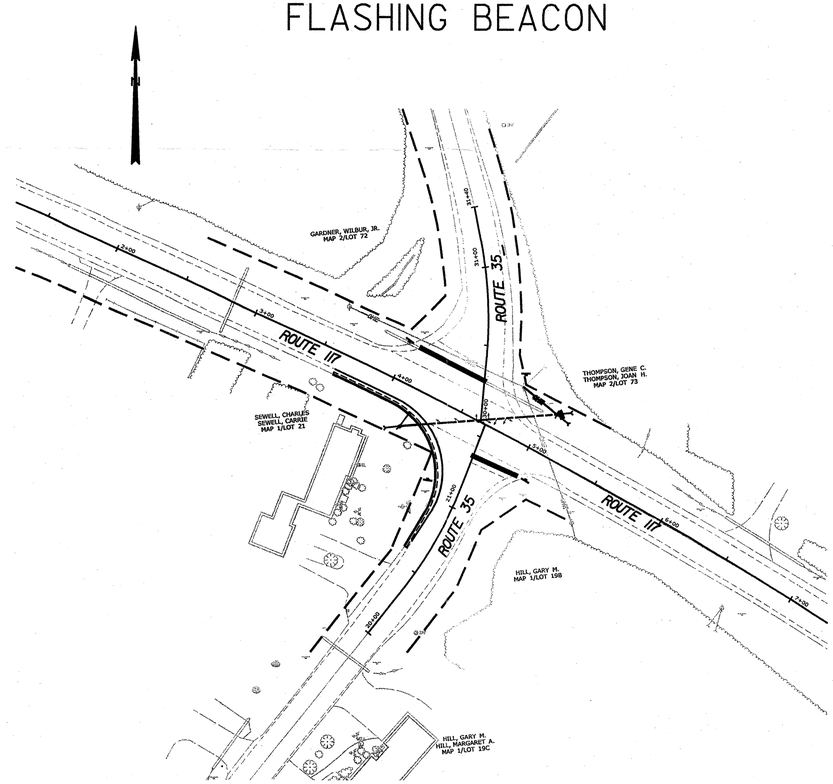
# STATE OF MAINE
# DEPARTMENT OF TRANSPORTATION

# HOLLIS
## YORK COUNTY
ROUTE 35 AT ROUTE 117
## STP-1726(300)X
FLASHING BEACON




LOCATION MAP




LAYOUT SCALE

50 0 50 100

Scale in Feet

INDEX OF SHEETS


| Description | Sheet No. |
|---|---|
| Title Sheet | 1 |
| Typical Sections/ General Notes | 2 |
| Signal/ Striping Plan | 3 |
| Geometrics Plan | 4 |


PIN 17263.00

STP-1726(300)X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PO Box 1237
15 Shaker Road
Gray, ME 04039
Engineering Excellence Since 1996
207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED

COMMISSIONER: DATE 7/1/10

CHIEF ENGINEER: DATE 6/28/10

STATE OF MAINE — RALPH C. NORWOOD, IV — No. 9689 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE 9689 — P.E. NUMBER 6-8-10 — DATE

PROJECT INFORMATION

| | |
|---|---|
| PROGRAM | TRAFFIC |
| PROJECT MANAGER | J. MANSIR |
| DESIGNER | R.NORWOOD |
| CONSULTANT | GORRILL-PALMER |
| PROJECT RESIDENT | |
| CONTRACTOR | |

HOLLIS
ROUTE 35 & ROUTE 117

TITLE SHEET

SHEET NUMBER 1 OF 4

Filename: ...\HIGHWAY\MSTA\001_TITLE_01.dgn Division: HIGHWAY Username: ZJones Date:6/7/2010

GENERAL NOTES

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

2. 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.

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

4. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS APPROVED BY THE RESIDENT.

5. 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.

6. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL NON-GUARDRAIL SLOPES. SEEDING METHOD NO. 3 SHALL BE UTILIZED ON ALL GUARDRAIL FILL SLOPES. ON LONG NON-GUARDRAIL BACKSLOPES, SEEDING METHOD NO. 3 MAY BE USED INSTEAD OF METHOD NO. 2 IF NOTED OR DIRECTED BY THE RESIDENT.

7. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

8. 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.

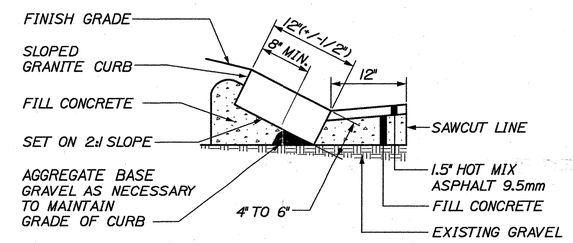
9. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

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. ALL EXISTING STOP SIGNS SHALL BE MAINTAINED UNTIL NEW SIGNS ARE IN PLACE.

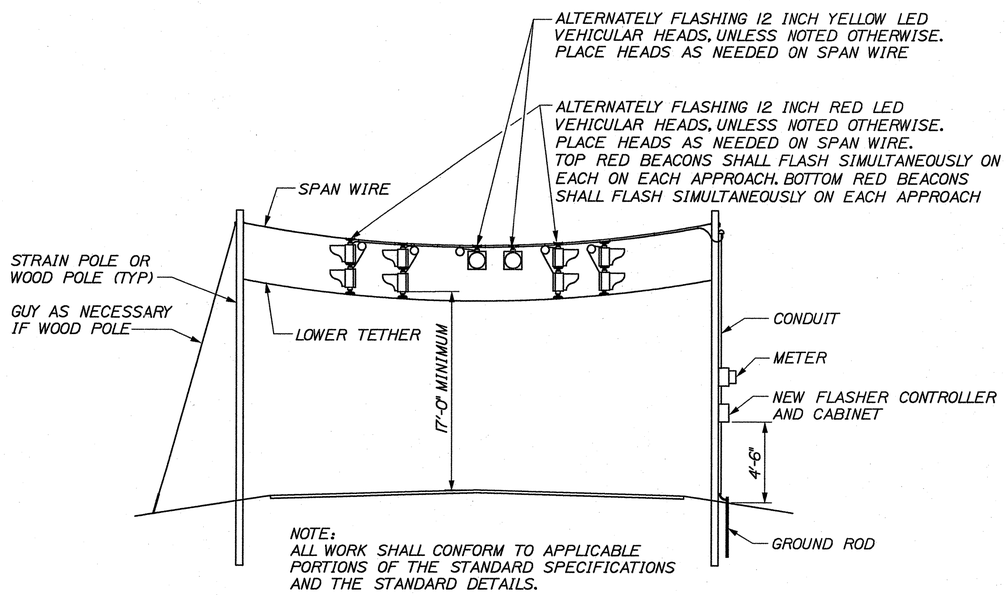
12. BEACONS TO FLASH YELLOW FOR ROUTE 117 APPROACHES AND RED FOR ROUTE 35 APPROACH.

13. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.




SLOPED GRANITE CURB

NOT TO SCALE




TYPICAL FLASHING BEACON INSTALLATION

ITEM NO. 643.60

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1726(300)X

PIN 17263.00

HIGHWAY PLANS

STATE OF MAINE — RALPH C. NORWOOD, IV — No. 9699 — PROFESSIONAL ENGINEER

P.E. NUMBER 7699

6-9-10

DATE

| PROJ. MANAGER | S. SMITH | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | J. WILLIAMS | Z. JONES | 01-10 |
| CHECKED-REVIEWED | R. NORWOOD | | 01-10 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |

HOLLIS
ROUTE 35/ROUTE 117

GENERAL NOTES & TYPICAL SECTIONS

SHEET NUMBER

2

OF 4

Filename: ...\MSTA\002_Typical_01.dgn Division: HIGHWAY Username: Z.Jones Date:6/9/2010

| EQUIPMENT SCHEDULE | | | |
|---|---|---|---|
| DESIGNATION | FATIGUE CATEGORY | ITEM | DESCRIPTION |
| A | | PROPOSED CLASS 4 POLE | GUY, SPAN WIRE, LOWER TETHER, 10' ARM WITH 150W LUMINARE |
| B | | PROPOSED CLASS 4 POLE | 2 GUYS, SPAN WIRE, LOWER TETHER, FLASHER CONTROLLER AND CABINET, 12 FLASHING EXPANDED VIEW LED VEHICULAR HEADS, METER. |
| C | | EXISTING UTILITY POLE | ELECTRICAL SERVICE FOR POLE 'B' |

NOTE 'A'

1. JSF TECHNOLOGIES FL-1400. BEACONS SHALL BE SOLAR POWERED AND EACH SIGNAL ASSEMBLY SHALL HAVE IT'S OWN SOLAR ARRAY AND BATTERY. SOLAR PANELS SHALL BE A MINIMUM 4.5W, 6V, 765MA.
2. BATTERIES SHALL BE HAWKER 25 AH, 2V, BC CELL. CIRCUIT BOARD SHALL BE CONFORMAL COATED AND WEATHER SEALED AND SHALL USE INDUSTRIAL GRADE COMPONENTS.
3. LED LENSES SHALL BE 12 INCH DIAMETER, RED IN COLOR AND MEET THE REQUIREMENTS OF JSF. THEY SHALL FLASH IN HIGH VISIBILITY STROBE PATTERN.
4. ENVIRONMENTAL REQUIREMENTS:
   OPERATION LUMINARE: -40F TO +165F
   MINIMUM DAILY SOLAR INSOLATION: 0.8 HOURS
   MAXIMUM INSULATION LATITUDE: 56 DEGREES N/S
   OPERATE AT RATED USAGE FOR 100+ DAYS WITHOUT SOLAR CHARGING.

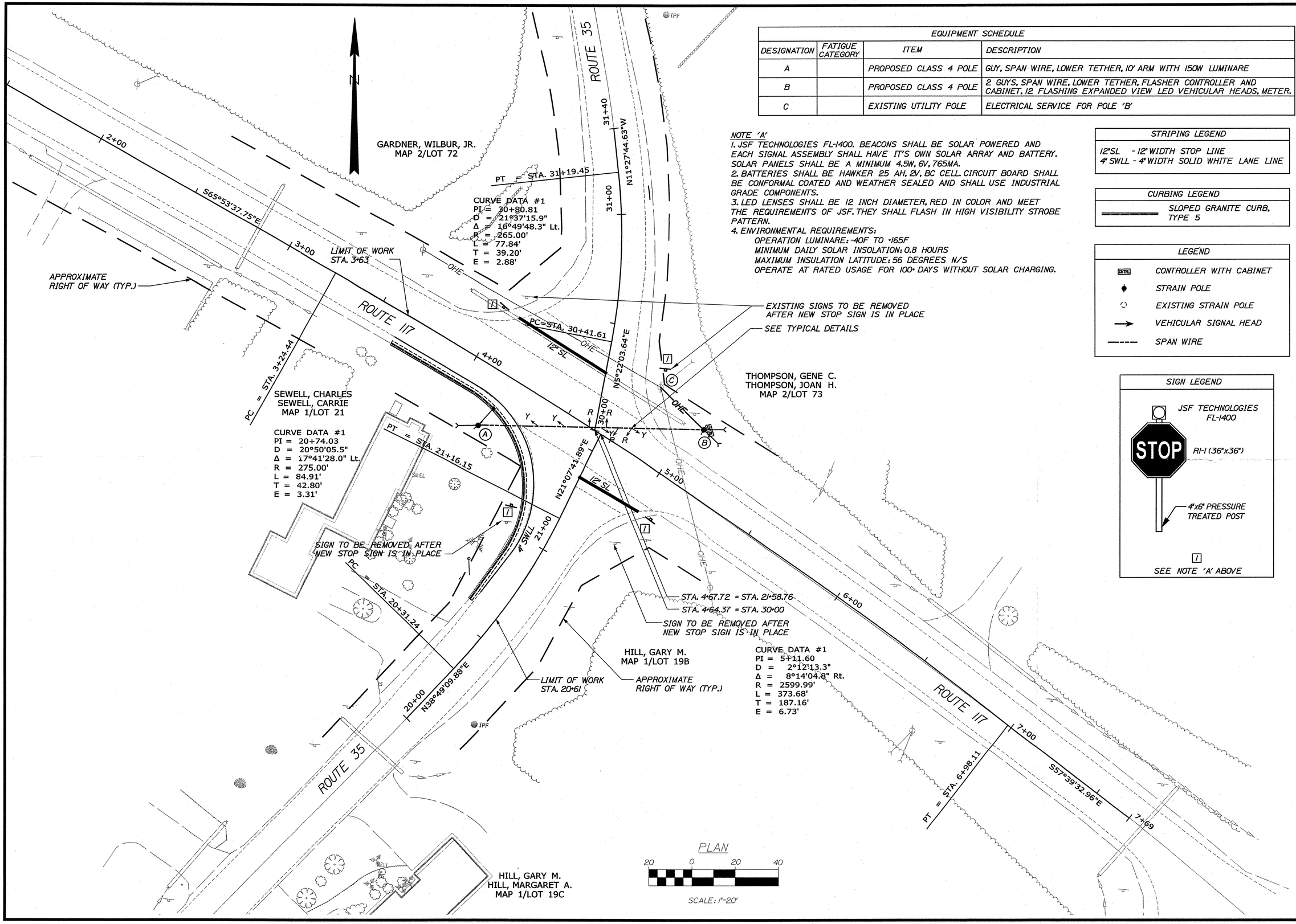
| STRIPING LEGEND |
|---|
| 12"SL - 12" WIDTH STOP LINE |
| 4" SWLL - 4" WIDTH SOLID WHITE LANE LINE |

| CURBING LEGEND |
|---|
| SLOPED GRANITE CURB, TYPE 5 |

| LEGEND | |
|---|---|
| CNTRL | CONTROLLER WITH CABINET |
| | STRAIN POLE |
| | EXISTING STRAIN POLE |
| | VEHICULAR SIGNAL HEAD |
| | SPAN WIRE |

SIGN LEGEND




PLAN

20 0 20 40

SCALE: 1"=20'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1726(300)X

PIN 17263.00

HIGHWAY PLANS

STATE OF MAINE
RALPH C. NORWOOD, IV
No. 9699
LICENSED PROFESSIONAL ENGINEER

| | | |
|---|---|---|
| SIGNATURE | P.E. NUMBER | DATE |
| 9699 | 6-9-10 | |

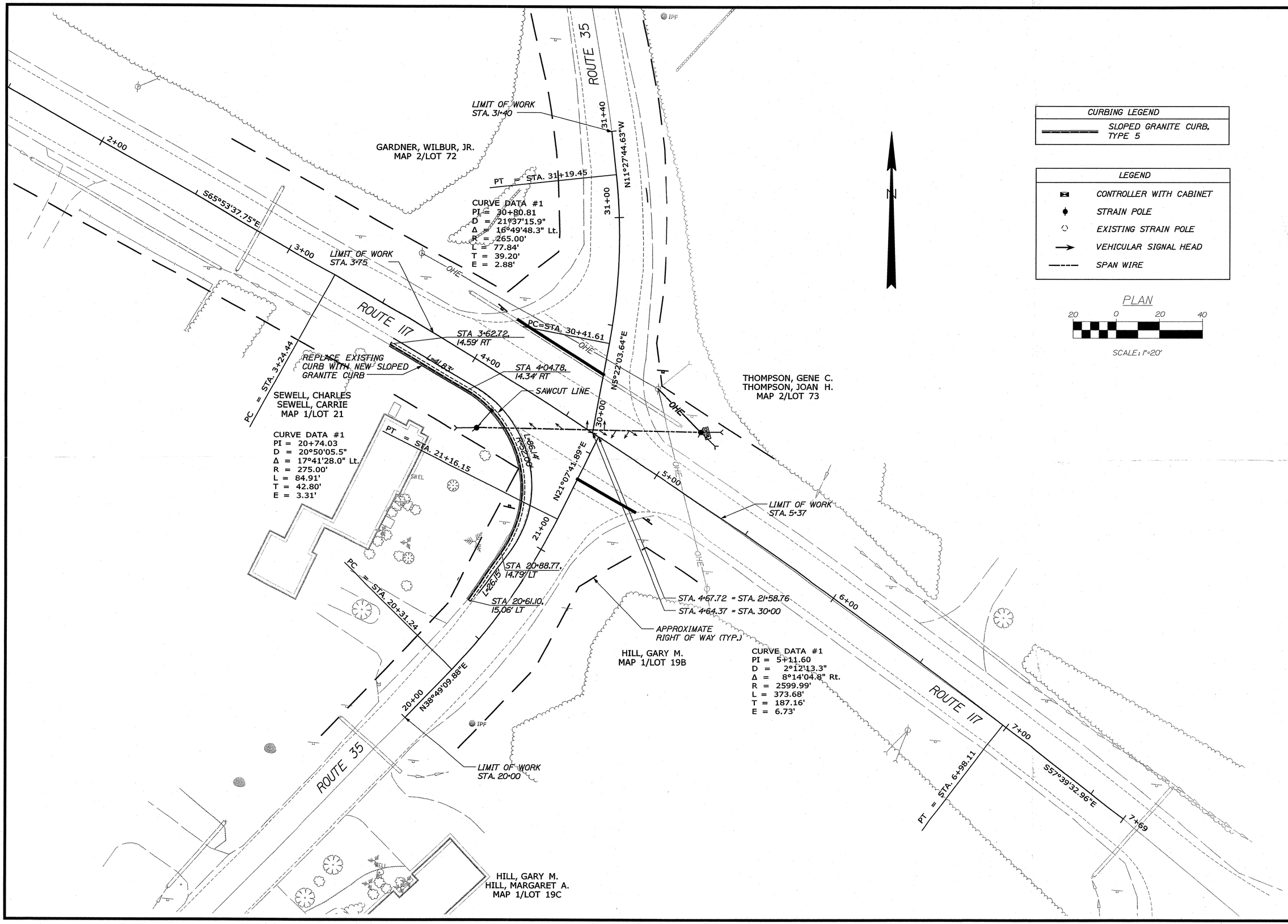
| | BY | DATE |
|---|---|---|
| PROJ. MANAGER J. MANSIR | | |
| DESIGN-DETAILED | JWILLIAMS | 01/10 |
| CHECKED-REVIEWED | RNORWOOD | 01/10 |
| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

HOLLIS
ROUTE 35/ROUTE 117
YORK COUNTY

SIGNAL PLAN

SHEET NUMBER
3
OF 4

Filename: ...\HIGHWAY\MSTA\003_plan01.dgn Division: HIGHWAY Username: ZJones Date:6/4/2010




STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1726(300)X

PIN 17263.00

HIGHWAY PLANS

STATE OF MAINE
RALPH C. NORWOOD, IV
No. 9699
LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 6-9-10
DATE

| | BY | DATE |
|---|---|---|
| PROJ. MANAGER J. MANSIR | | |
| DESIGN-DETAILED | JWILLIAMS | 01/10 |
| CHECKED-REVIEWED | RNORWOOD | 01/10 |
| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

HOLLIS
ROUTE 35/ROUTE 117
YORK COUNTY

GEOMETRICS PLAN

SHEET NUMBER
4
OF 4

Filename: ...\HIGHWAY\MSTA\004_plan02.dgn Division: HIGHWAY Username: ZJones Date:6/7/2010