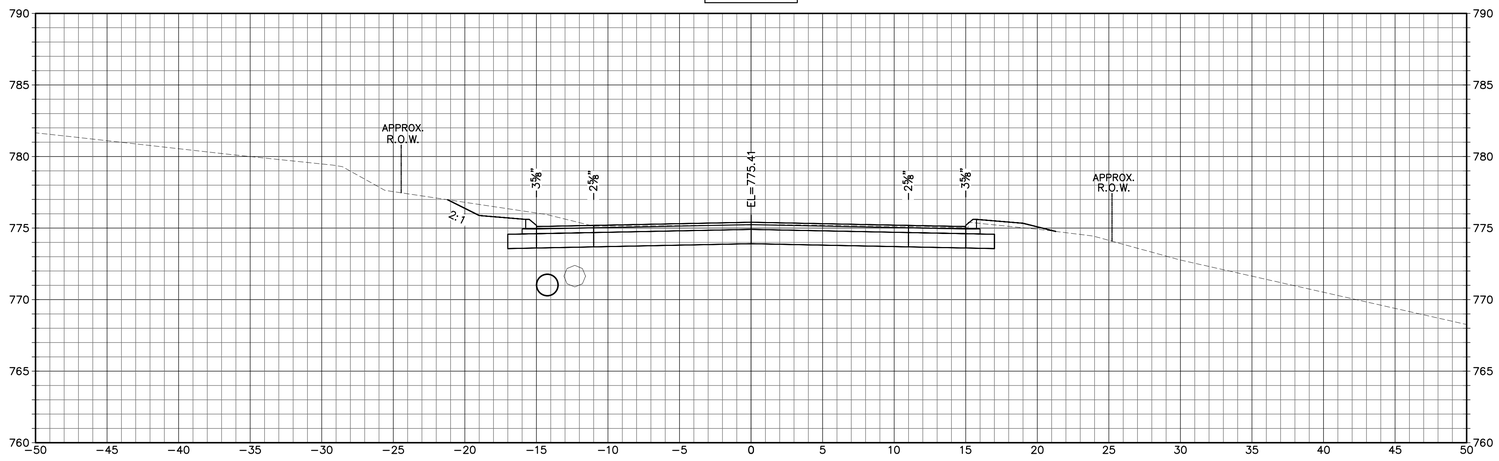
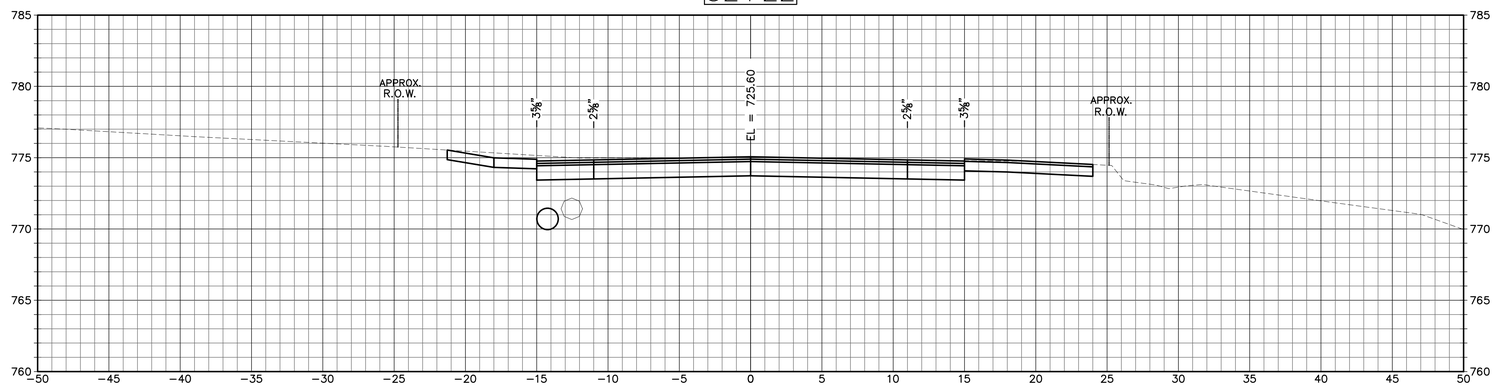
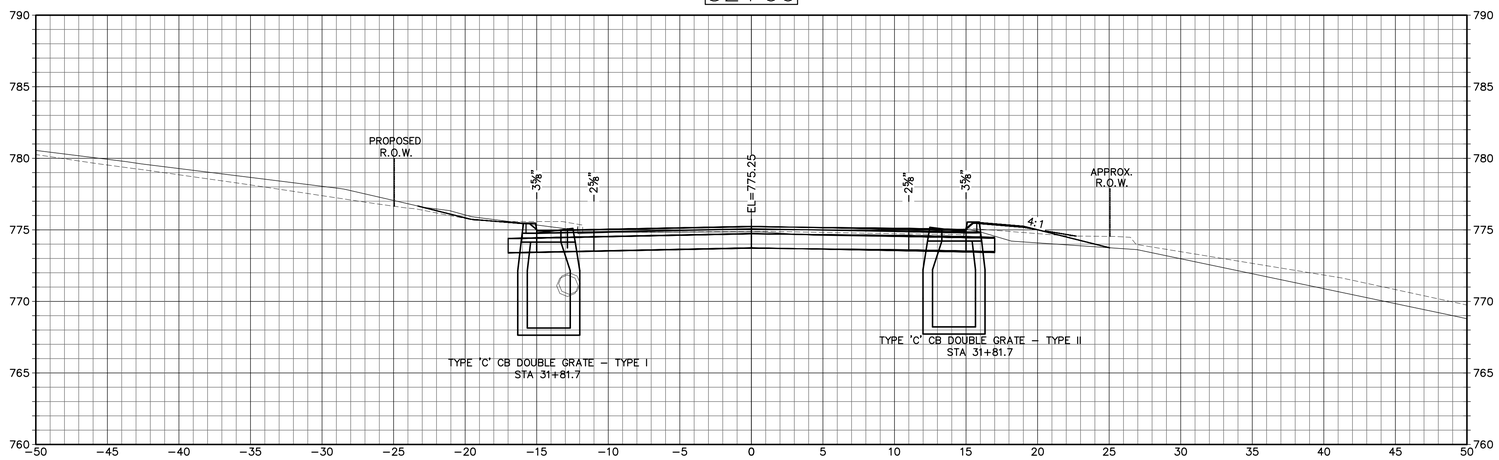
32+50



32+22



32+00



CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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www.westonandsampson.com

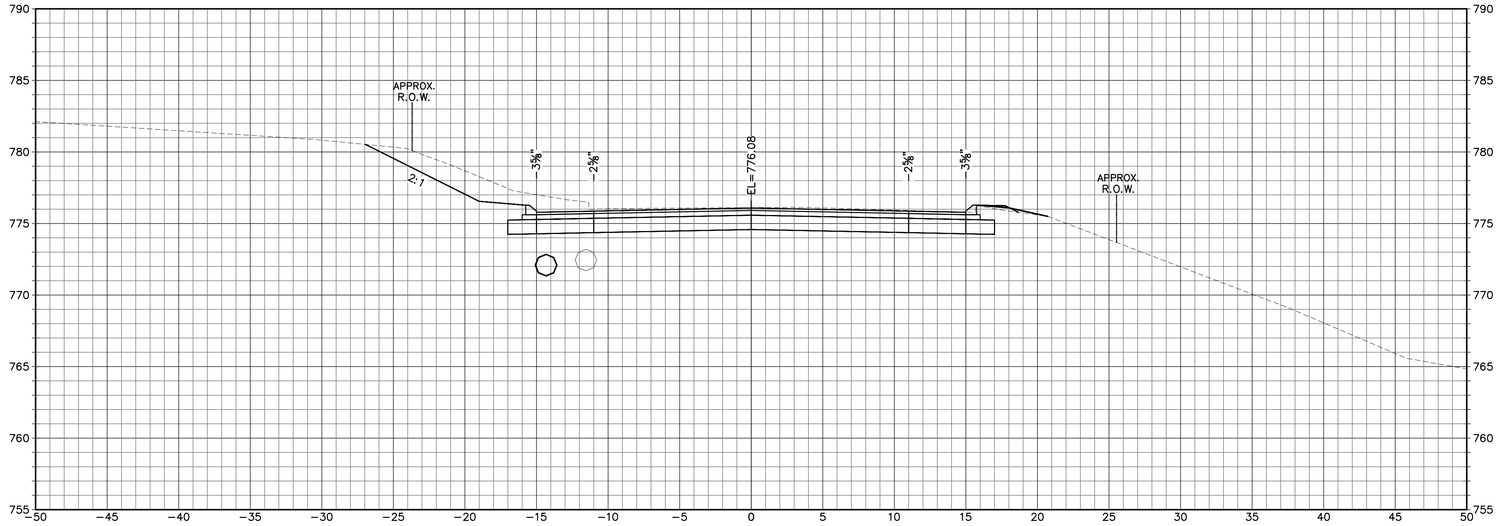
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF GUERNSEYTOWN ROAD

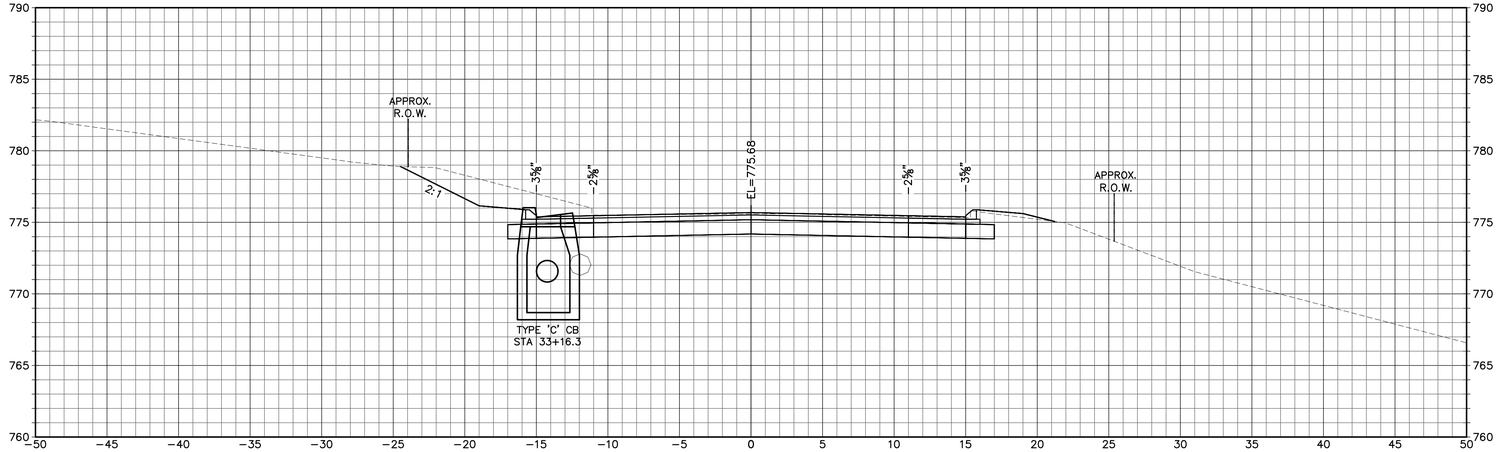
DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-32
SHEET NO. 60

33+50



33+00



CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:

APPROVED BY: DATE:

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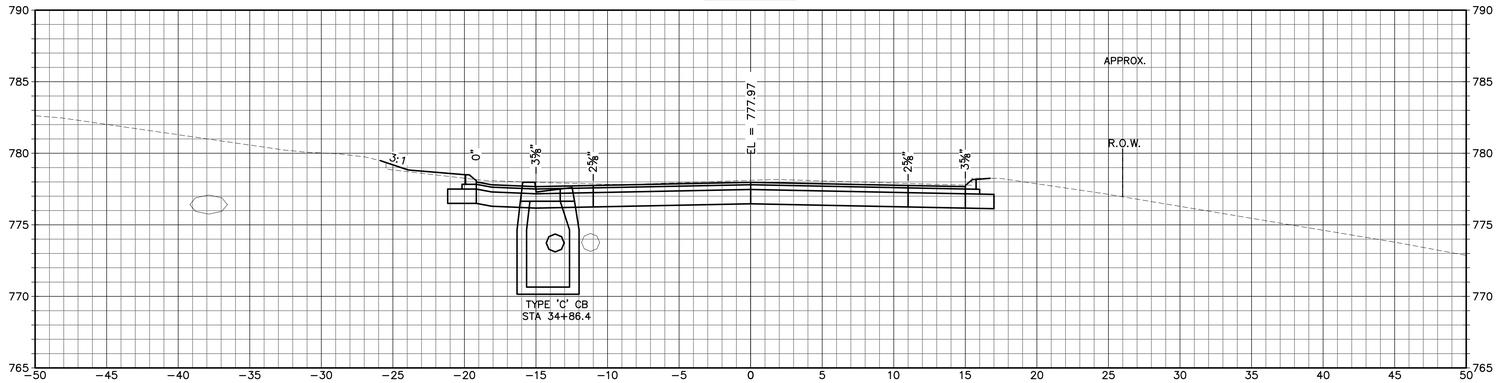
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE: RECONSTRUCTION OF GUERNSEYTOWN ROAD

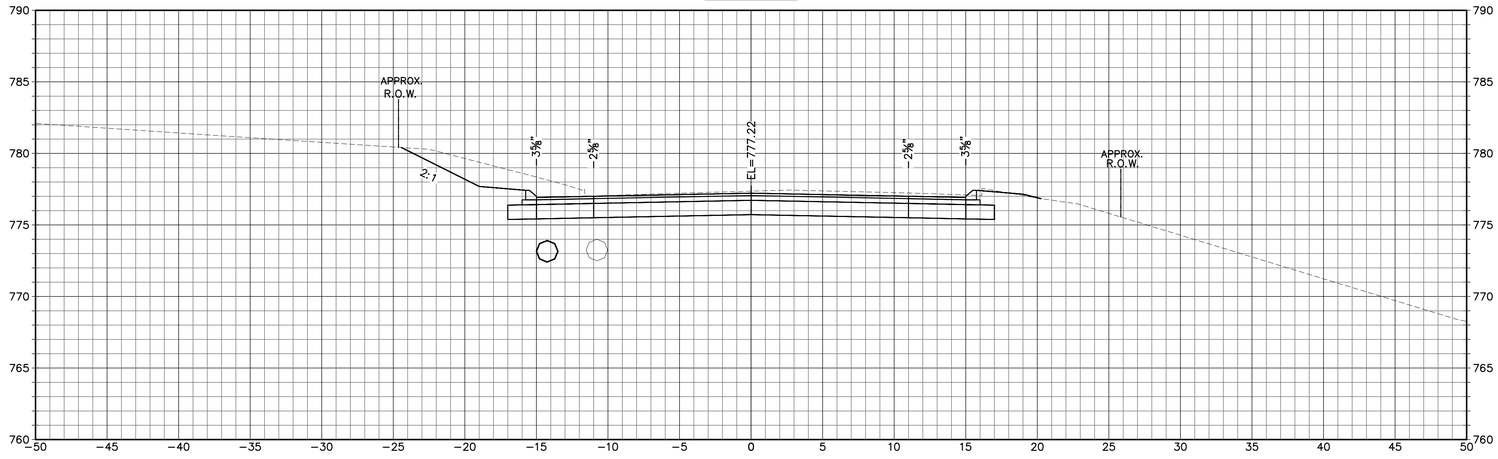
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PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-33
SHEET NO. 61

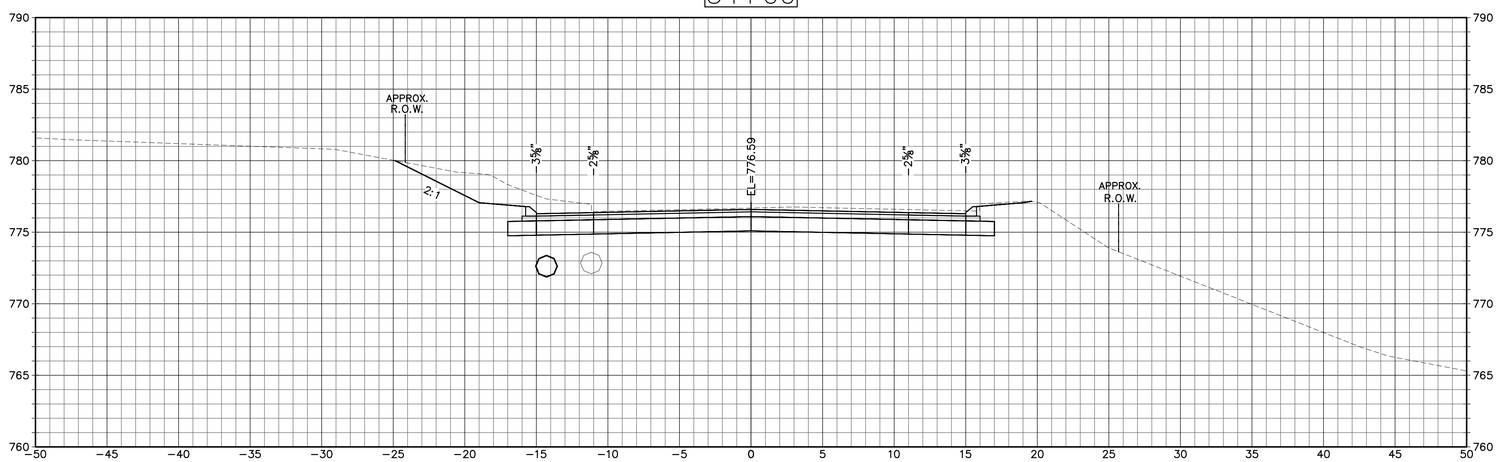
35+00



34+50



34+00



CROSS SECTIONS
SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: AJN

DATE: JULY 2019
SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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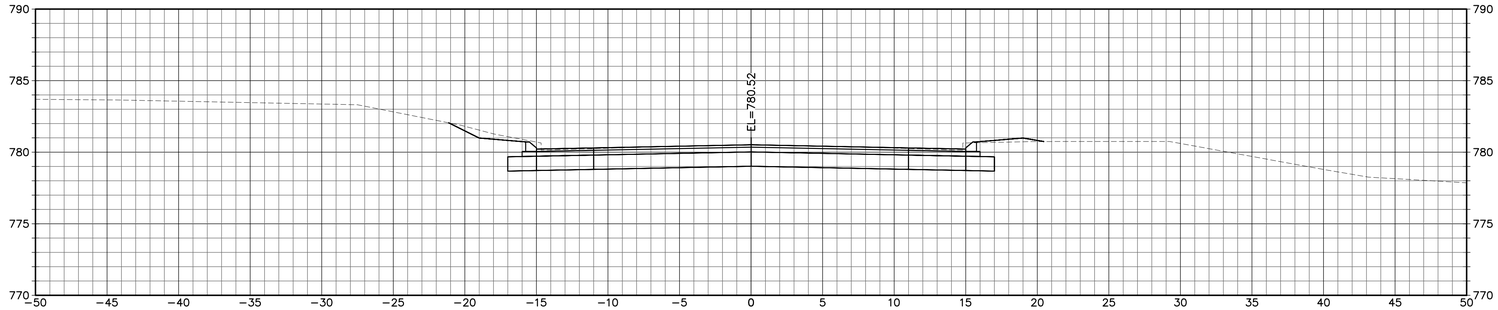
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

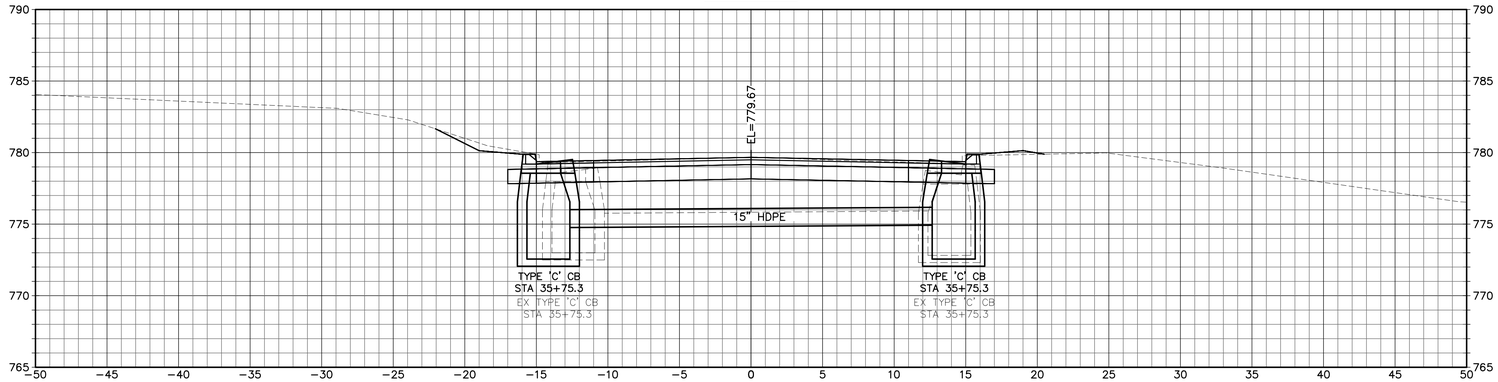
DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-34
SHEET NO. 62

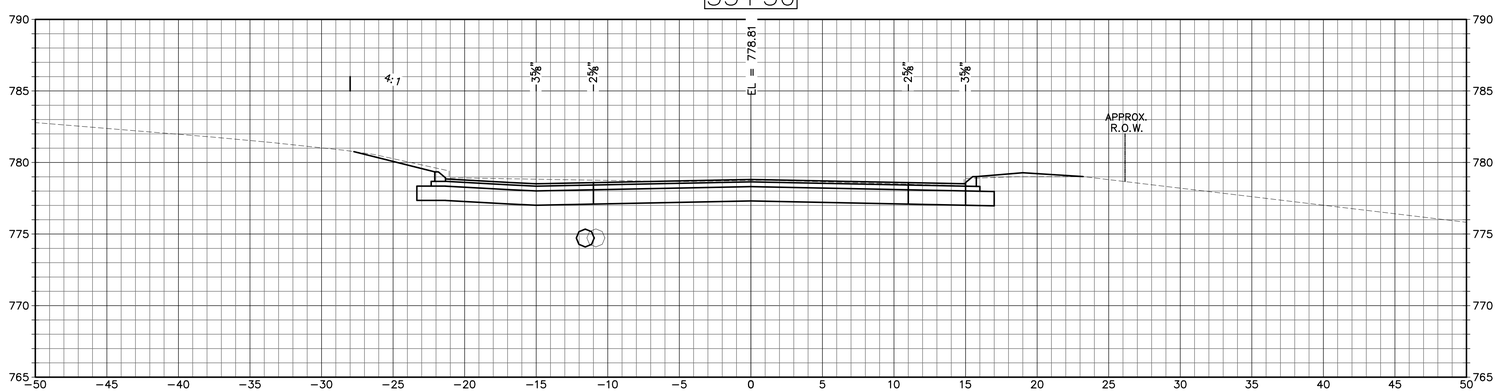
36+50



36+00



35+50



CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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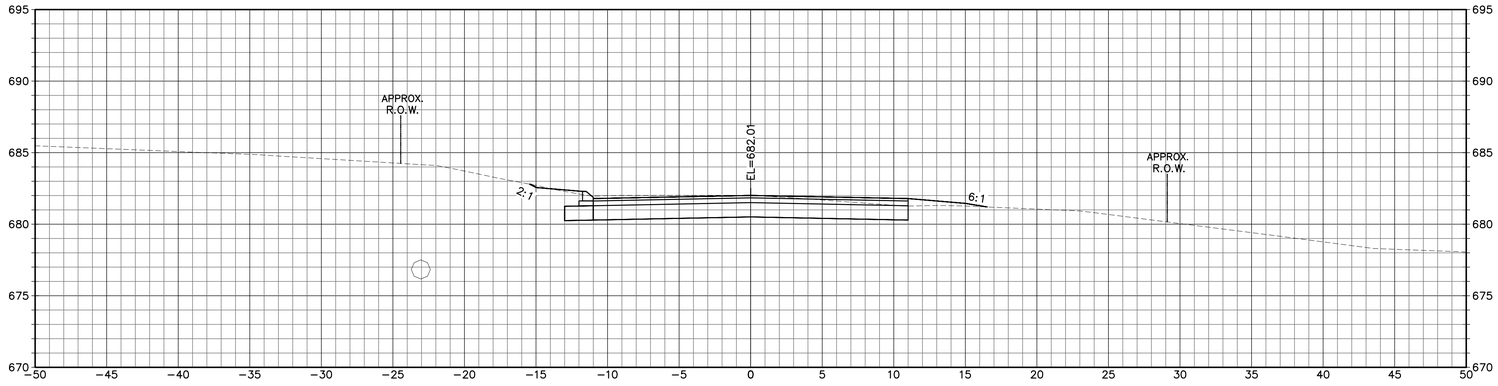
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

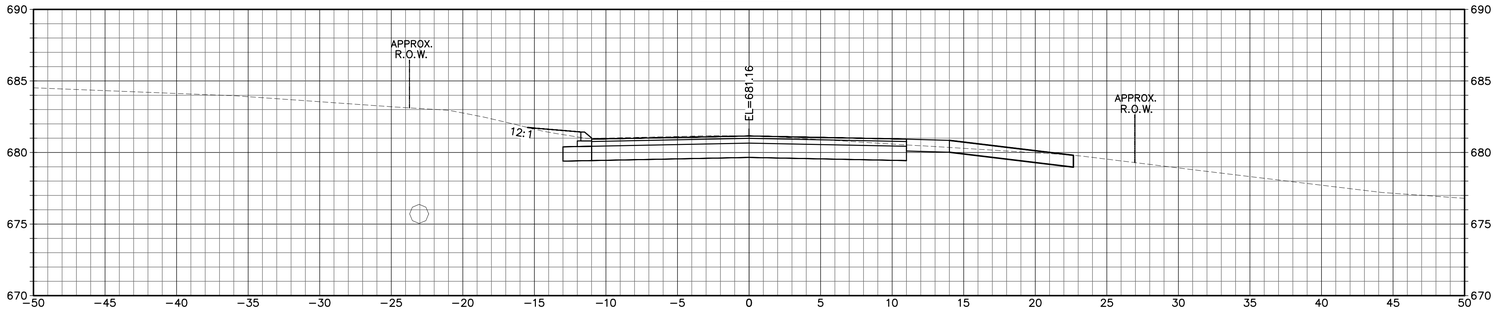
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CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-35
SHEET NO. 63

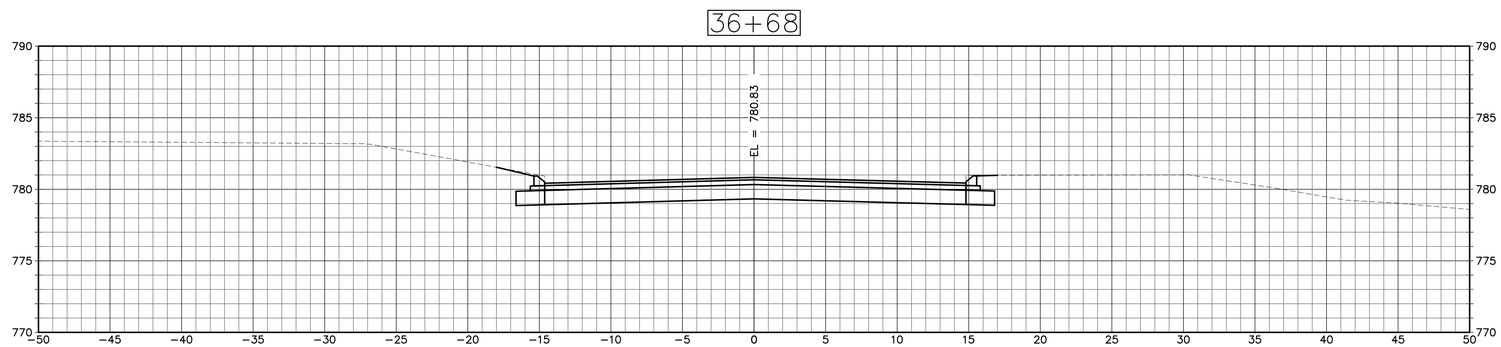
114+00



113+78



36+68



MATCH EXISTING

CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: AJN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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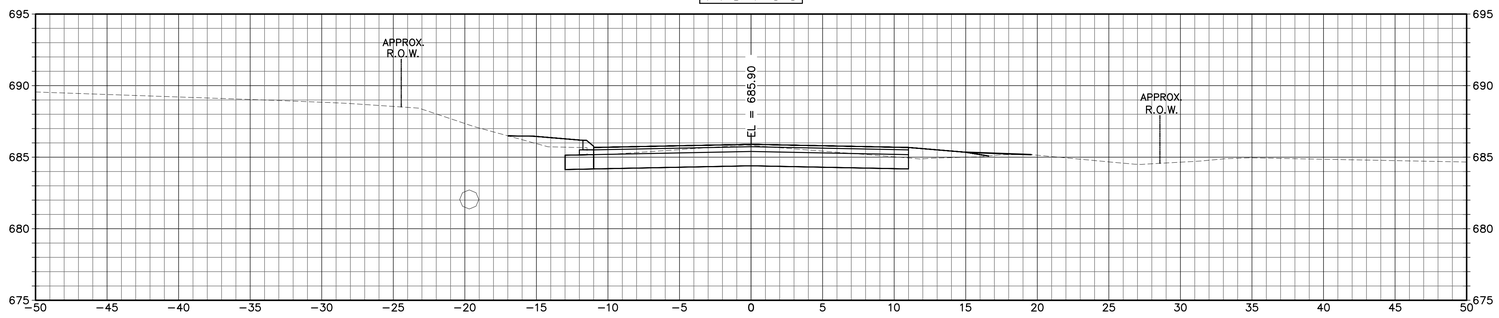
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

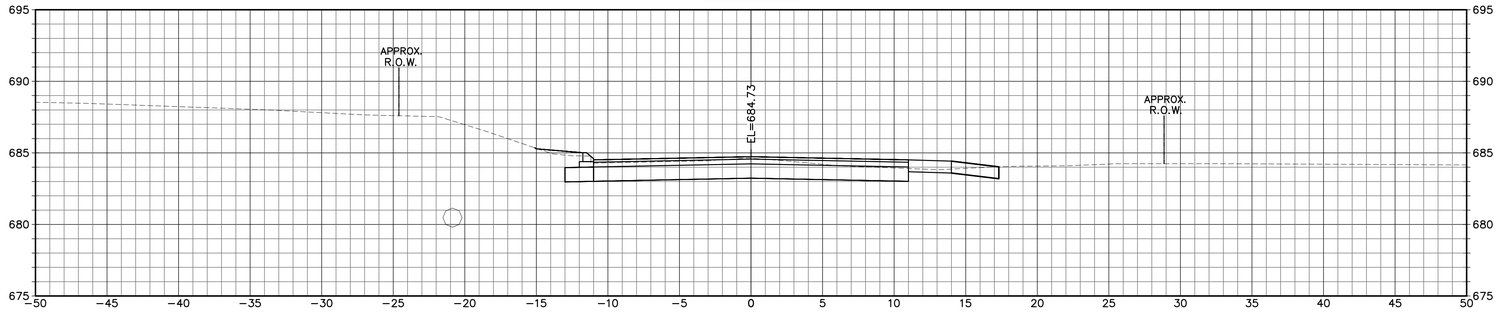
DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-36
SHEET NO. 64

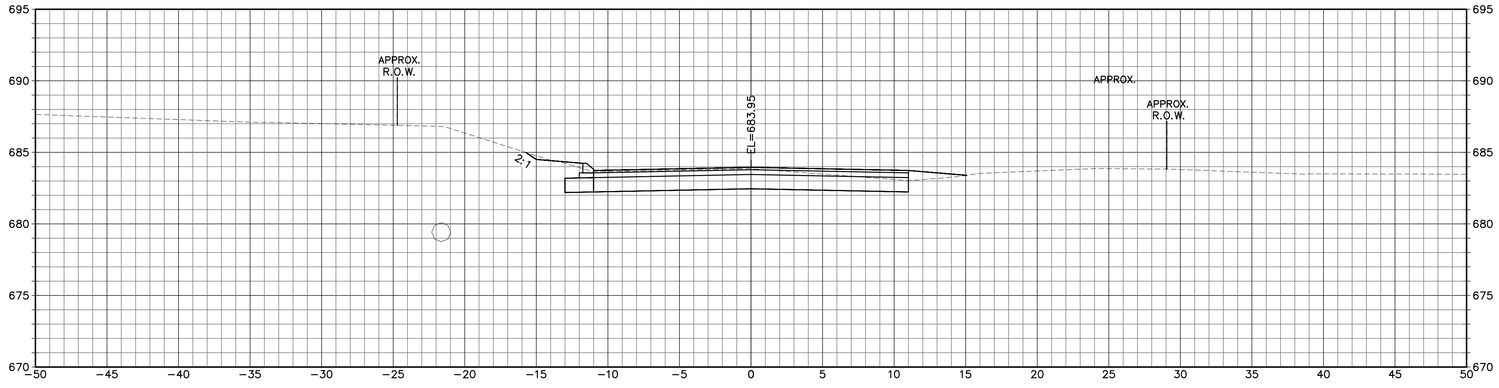
115+00



114+70



114+50



CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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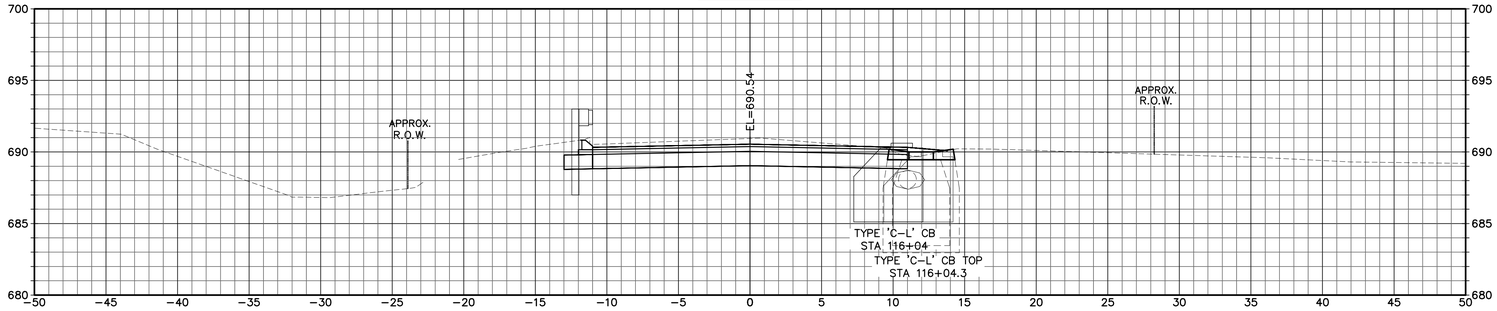
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

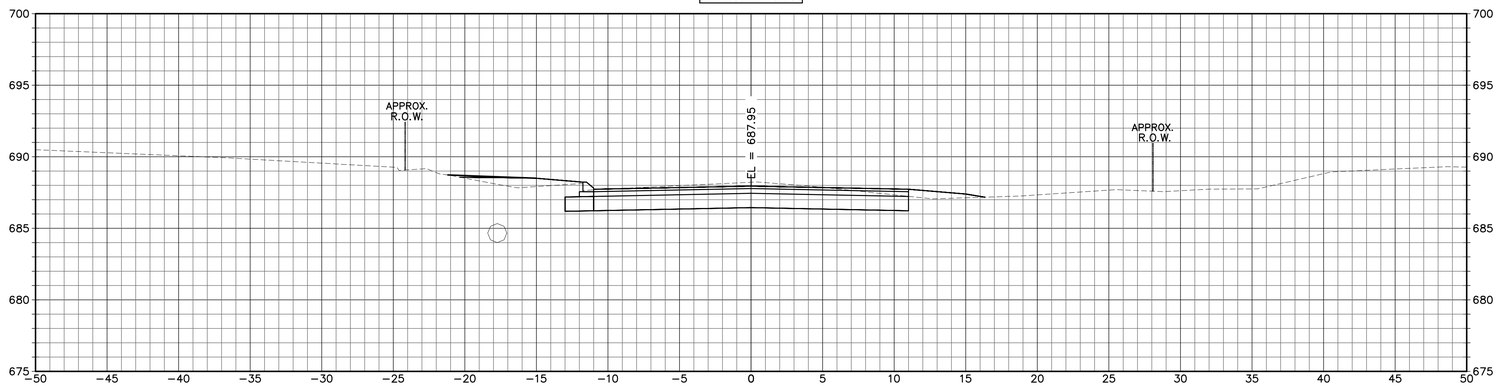
DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-37
SHEET NO. 65

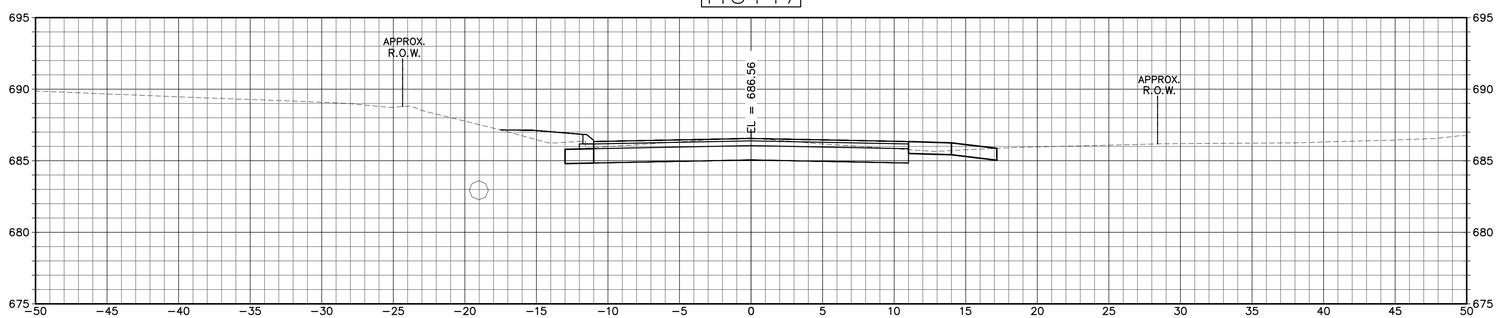
116+00



115+50



115+17



CROSS SECTIONS
SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019
SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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www.westonandsampson.com

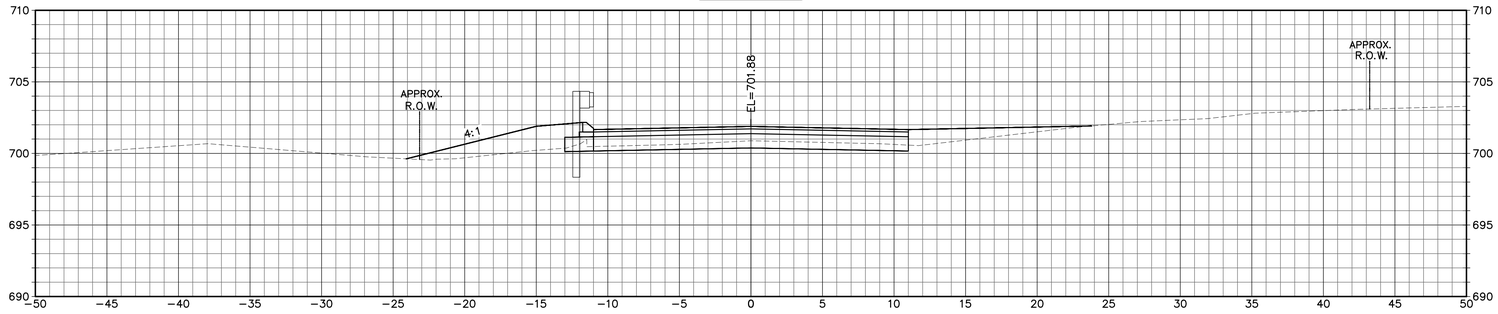
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF GUERNSEYTOWN ROAD

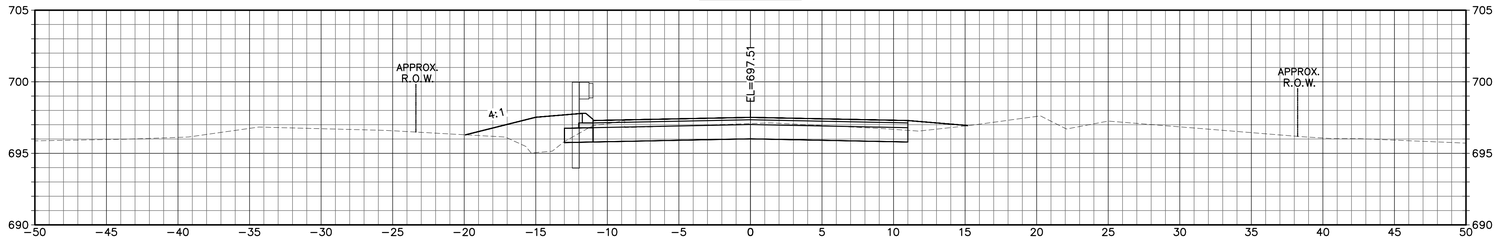
DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-38
SHEET NO. 66

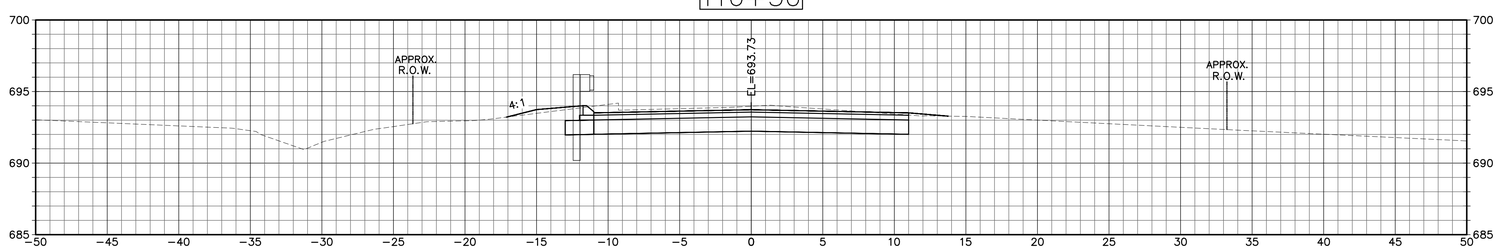
117+50



117+00



116+50



CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:

APPROVED BY: DATE:

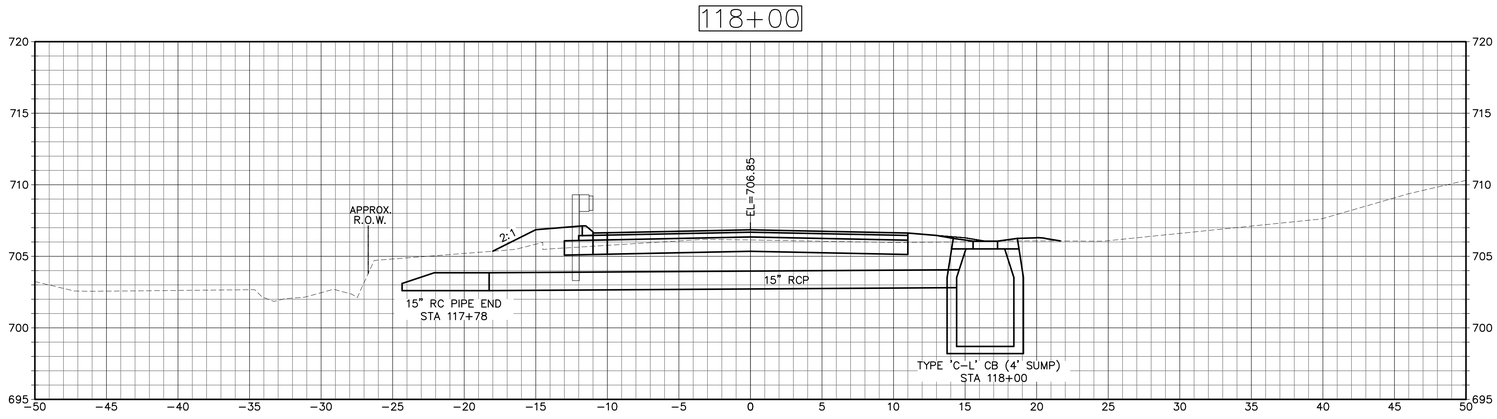
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860.513.1473 800.SAMPSON
www.westonandsampson.com

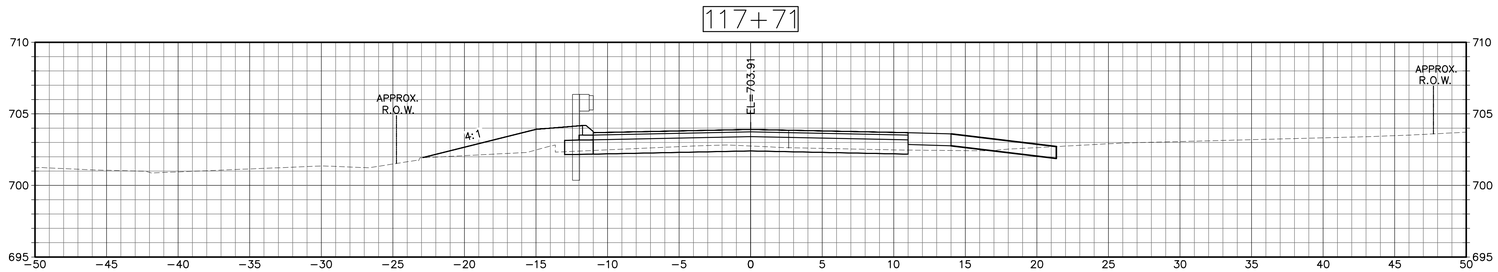
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-39
SHEET NO. 67





CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:

APPROVED BY: DATE:

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860.513.1473 800.SAMPSON
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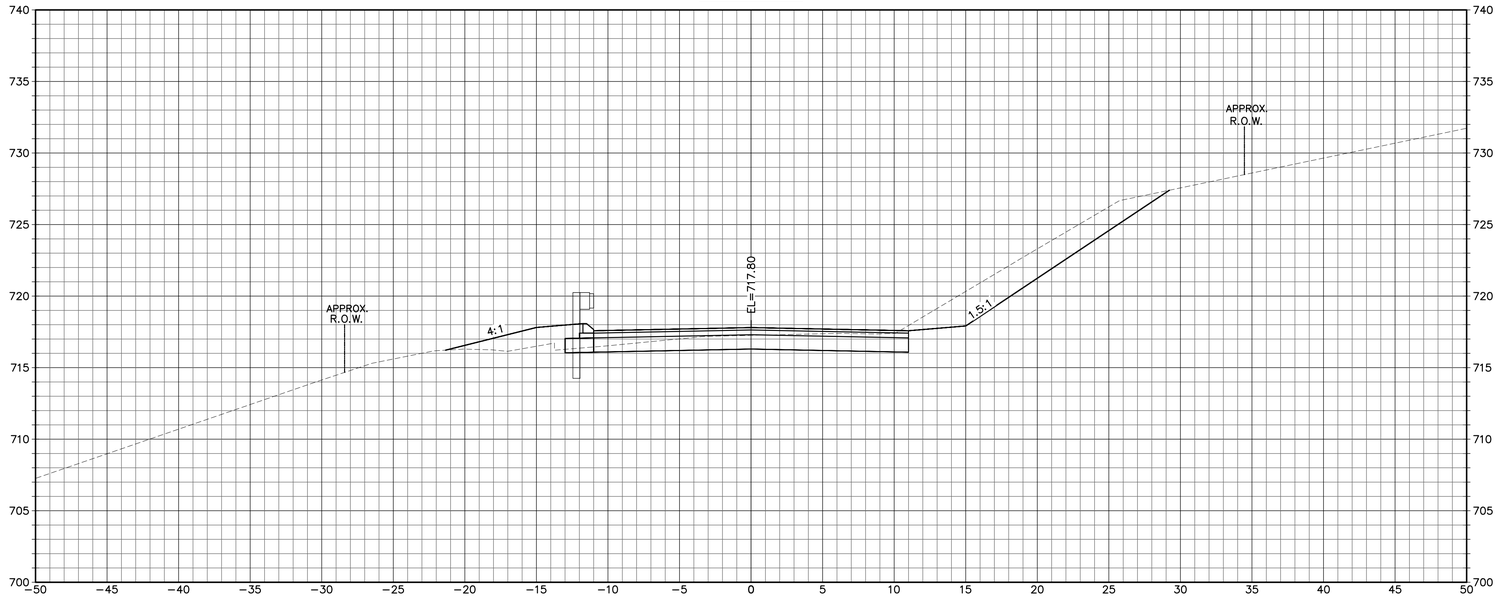
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

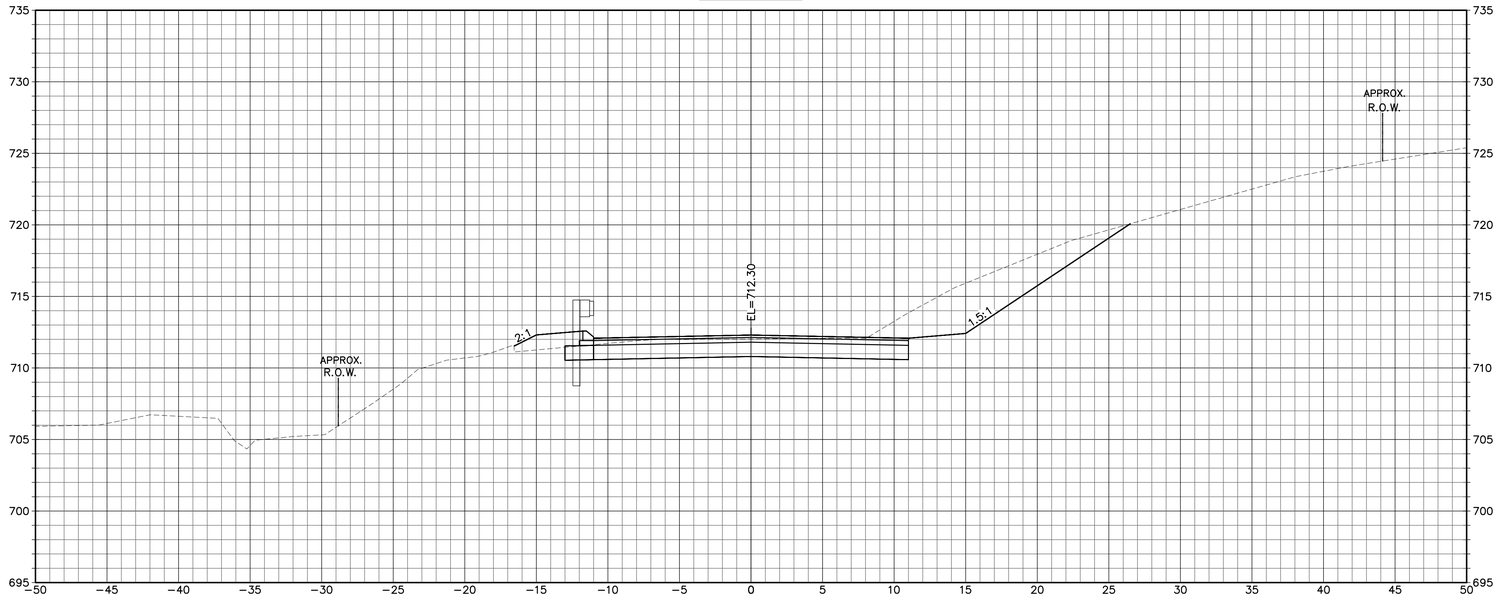
DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-40
SHEET NO.

119+00



118+50



CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: AJN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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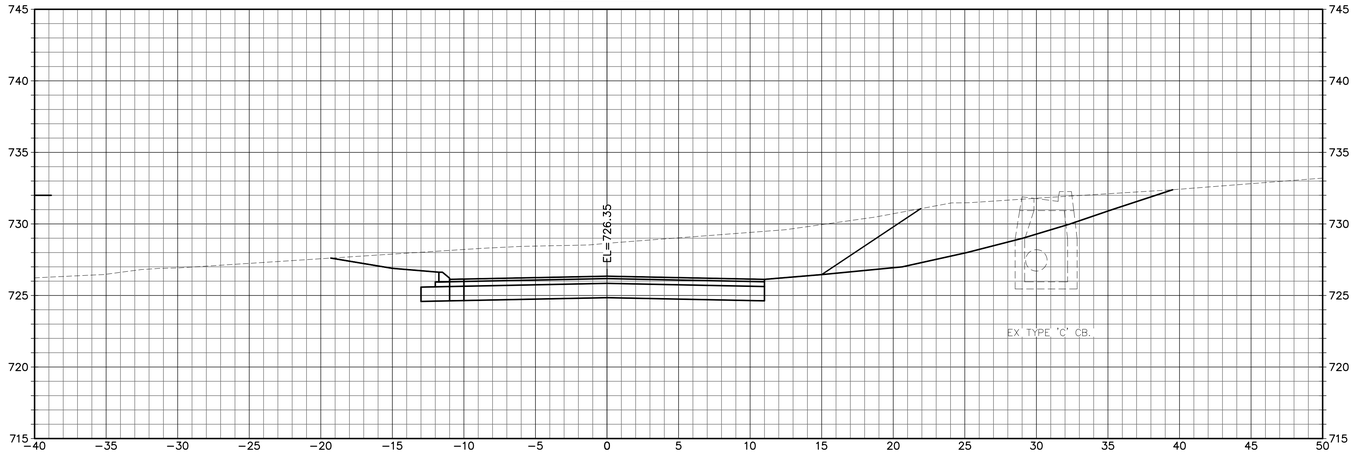
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

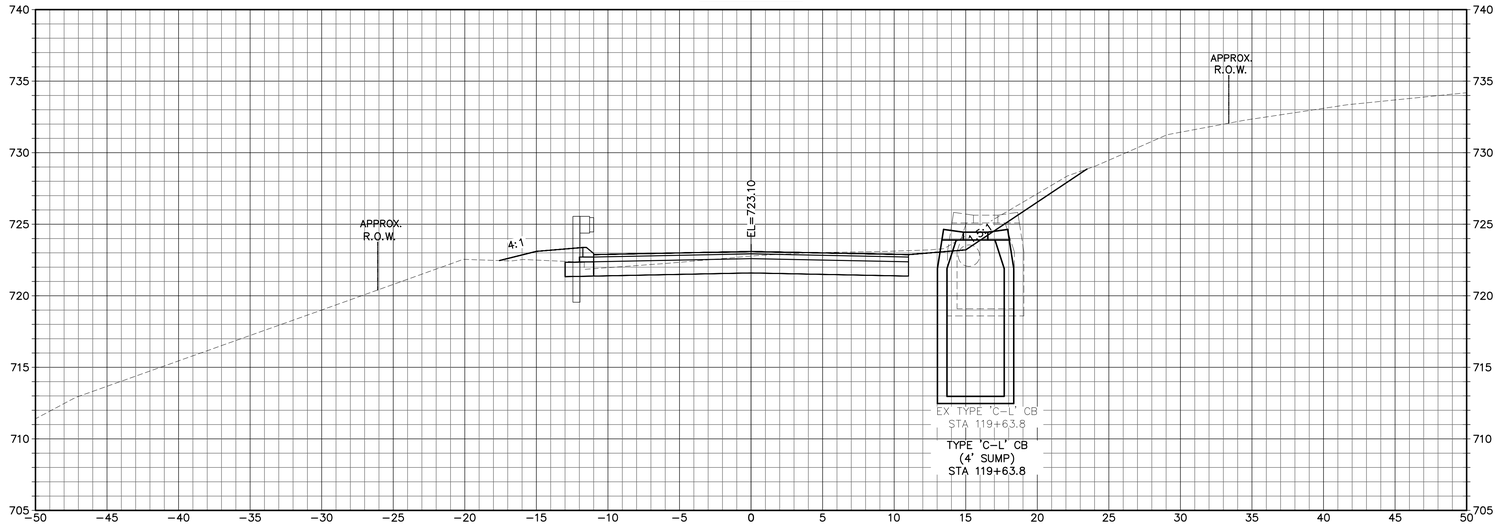
DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-41
SHEET NO. 69

120+00



119+50



CROSS SECTIONS

SCALE: 1"=5'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: AIN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

DRAWING TITLE:
CROSS SECTIONS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. XSC-42
SHEET NO. 70

SIGN AND PAVEMENT MARKING LEGEND:

	SIGN, SINGLE POST
	SIGN, DOUBLE POST
00 / 00-0000	SIGN LOCATION NO. / SIGN NO.
SWSB	24" SOLID WHITE STOP BAR
DYL	DOUBLE YELLOW CENTER LINE, 2 – 4" YELLOW
SHL	SHOULDER LINE, 4" WHITE

PAVEMENT MARKING NOTES:

1. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
2. INSTALL ALL PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MATCH TO EXISTING PAVEMENT MARKINGS AT THE PROJECT LIMITS.
3. PAVEMENT MARKINGS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWINGS EXCEPT AS OTHERWISE DIMENSIONED OR SHOWN ON THE PLANS.
4. TOWN TO MAINTAIN ALL PAVEMENT MARKINGS.

SIGN NOTES:

1. INSTALL ALL SIGNS AS INDICATED.
2. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS TO BE REMOVED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ALL EXISTING SIGNS OUTSIDE THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
4. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
5. THE CONTRACTOR SHALL CLEAR AND TRIM AS DIRECTED BY THE ENGINEER TO PROVIDE ADEQUATE SIGHT LINE TO THE SIGNS. THIS WORK WILL BE PAID FOR UNDER ITEM "CLEARING AND GRUBBING".
6. WHEN A SIGN IS TO BE REPLACED, THE EXISTING SIGN SHOULD NOT BE REMOVED UNTIL THE NEW REPLACEMENT SIGN IS INSTALLED.
7. SIGNS SHALL NOT BE PLACED LESS THAN 10 FEET FROM UTILITY POLES.
8. THE REMOVAL OF EXISTING SIGNS IN THE PROJECT AREA WILL BE PAID FOR UNDER ITEM "REMOVAL OF EXISTING SIGNS".
9. ALL REMOVED SIGNS AND SIGN POSTS SHALL BE RETURNED TO THE TOWN.

BEGIN PROJECT
STA 3+00.00
N 784158.3085
E 894843.8929
BEGIN FULL DEPTH RECONSTRUCTION/ MATCH EXISTING

LIMIT OF SIGNING AND PAVEMENT MARKINGS/ MATCH EXISTING

SIGN TO REMAIN

SIGN TO REMAIN

MATCHLINE A–A (SEE SHEET PLN–2)

EASTWOOD HALL RD

GUERNSEYTOWN RD

APPROX. R.O.W.

PROPOSED ROW

BENCHMARK "A"
NAIL IN E. FACE
CL&P 8728
ELEV. 726.93

BENCHMARK "B"
NAIL IN E. FACE
CL&P 23022
ELEV. 722.14

BENCHMARK "C"
NAIL IN E. FACE
CL&P 23024
ELEV. 709.21

N/F JOESPH V. CIARLEGLIO III

N/F TAFT SCHOOL (WATERTOWN GOLF CLUB)

N/F STATE OF CONNECTICUT (BLACK ROCK STATE PARK)

N/F KIMBERLY A. BEHR

PLAN
SCALE: 1"=40'
0 40' 80' 120'

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019
SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

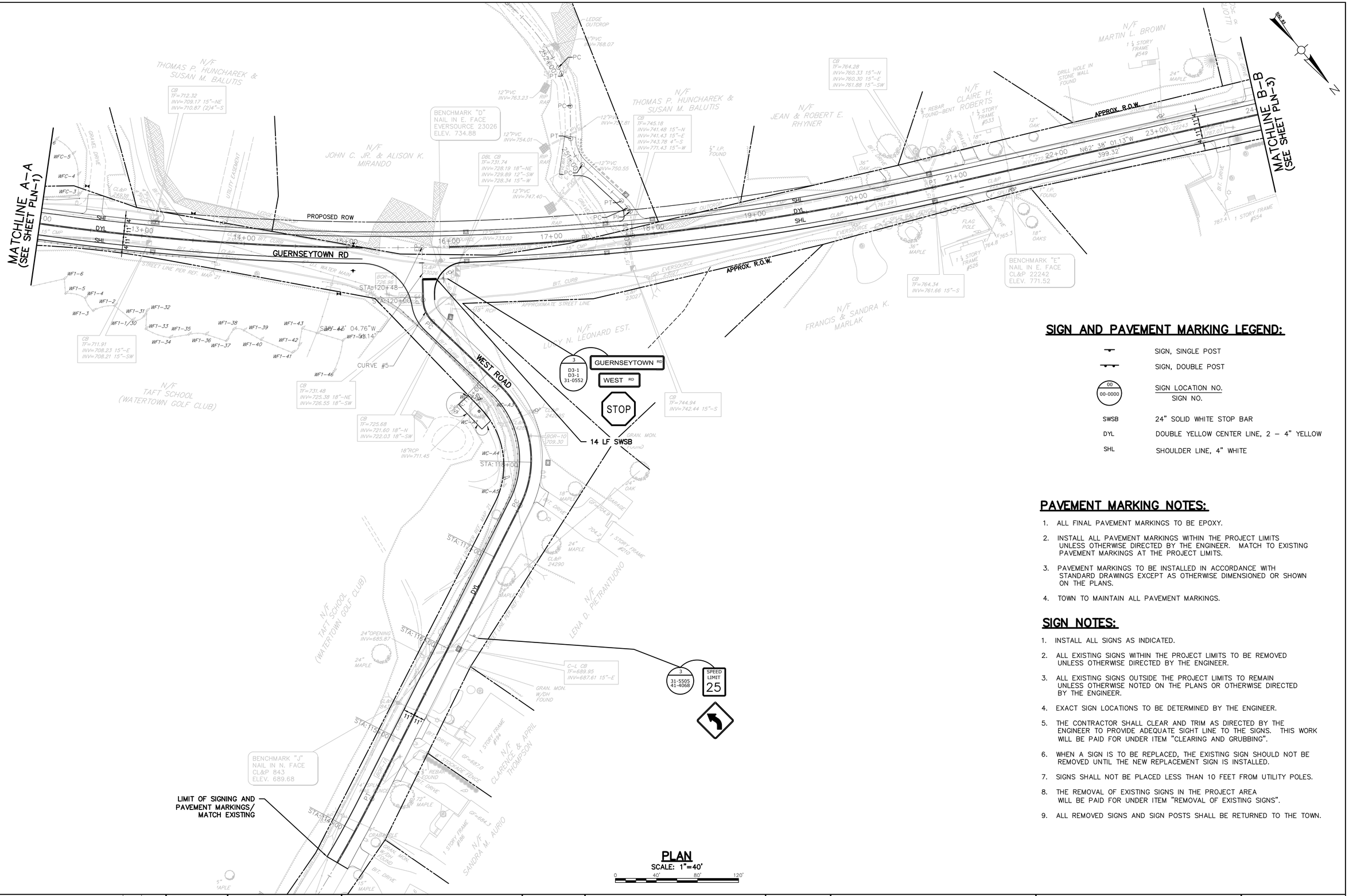
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860.513.1473 800.SAMPSON
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TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE:
SIGNING AND PAVEMENT MARKING PLAN
STA 3+00 TO 12+00

PROJECT NO. L153–0003
FILE NO.
DRAWING NO. SPM–1
SHEET NO. 7 1



SIGN AND PAVEMENT MARKING LEGEND:

	SIGN, SINGLE POST
	SIGN, DOUBLE POST
00 / 00-0000	SIGN LOCATION NO. / SIGN NO.
SWSB	24" SOLID WHITE STOP BAR
DYL	DOUBLE YELLOW CENTER LINE, 2 – 4" YELLOW
SHL	SHOULDER LINE, 4" WHITE

PAVEMENT MARKING NOTES:

1. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
2. INSTALL ALL PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MATCH TO EXISTING PAVEMENT MARKINGS AT THE PROJECT LIMITS.
3. PAVEMENT MARKINGS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWINGS EXCEPT AS OTHERWISE DIMENSIONED OR SHOWN ON THE PLANS.
4. TOWN TO MAINTAIN ALL PAVEMENT MARKINGS.

SIGN NOTES:

1. INSTALL ALL SIGNS AS INDICATED.
2. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS TO BE REMOVED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ALL EXISTING SIGNS OUTSIDE THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
4. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
5. THE CONTRACTOR SHALL CLEAR AND TRIM AS DIRECTED BY THE ENGINEER TO PROVIDE ADEQUATE SIGHT LINE TO THE SIGNS. THIS WORK WILL BE PAID FOR UNDER ITEM "CLEARING AND GRUBBING".
6. WHEN A SIGN IS TO BE REPLACED, THE EXISTING SIGN SHOULD NOT BE REMOVED UNTIL THE NEW REPLACEMENT SIGN IS INSTALLED.
7. SIGNS SHALL NOT BE PLACED LESS THAN 10 FEET FROM UTILITY POLES.
8. THE REMOVAL OF EXISTING SIGNS IN THE PROJECT AREA WILL BE PAID FOR UNDER ITEM "REMOVAL OF EXISTING SIGNS".
9. ALL REMOVED SIGNS AND SIGN POSTS SHALL BE RETURNED TO THE TOWN.

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019
SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

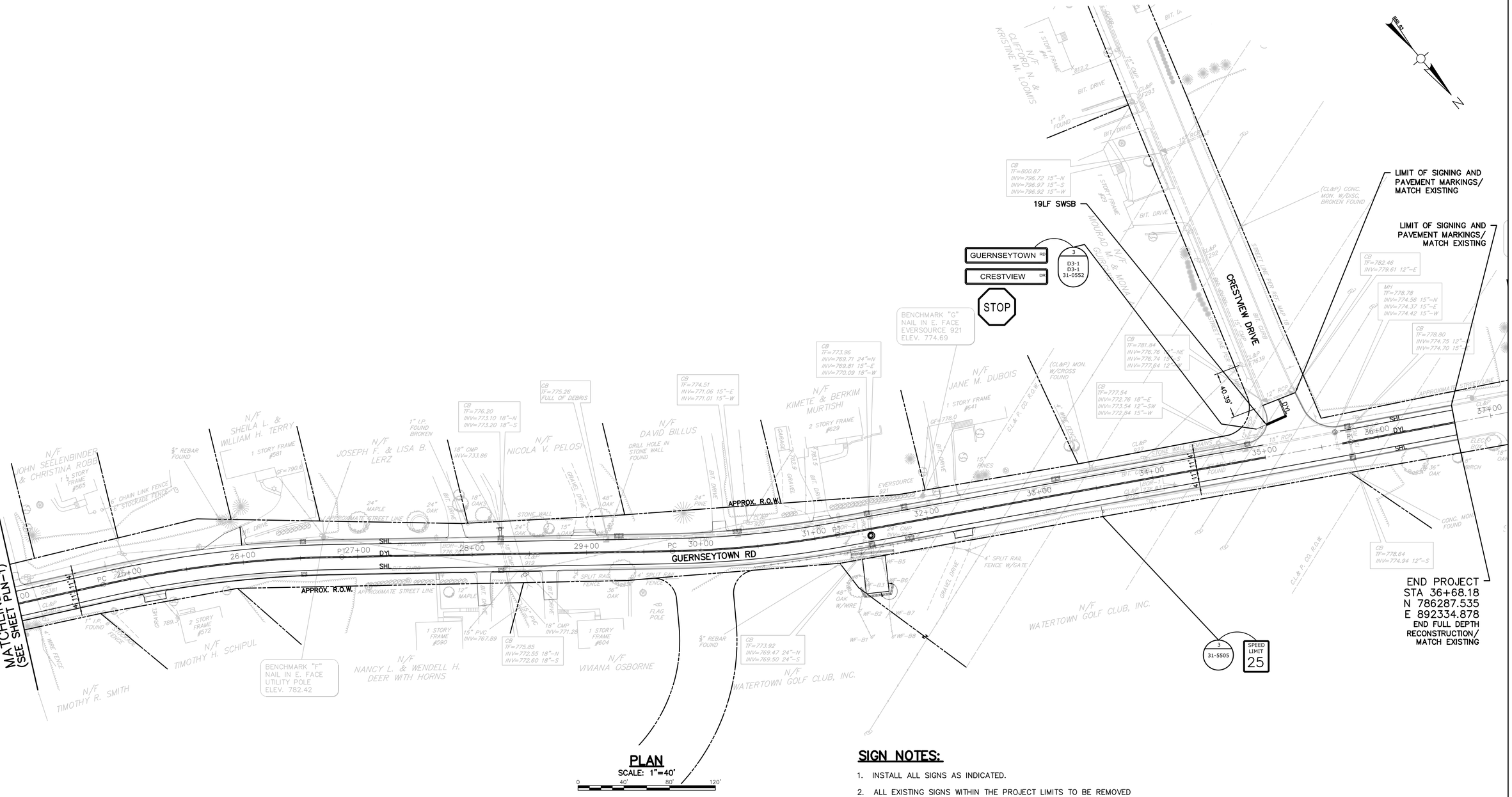
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TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE:
SIGNING AND PAVEMENT MARKING PLAN
STA 12+00 TO 24+00
STA 113+40 TO 120+48

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. SPM-2
SHEET NO.



PLAN
SCALE: 1"=40'

SIGN AND PAVEMENT MARKING LEGEND:

	SIGN, SINGLE POST
	SIGN, DOUBLE POST
00 / 00-0000	SIGN LOCATION NO. / SIGN NO.
SWSB	24" SOLID WHITE STOP BAR
DYL	DOUBLE YELLOW CENTER LINE, 2 – 4" YELLOW
SHL	SHOULDER LINE, 4" WHITE

PAVEMENT MARKING NOTES:

1. ALL FINAL PAVEMENT MARKINGS TO BE EPOXY.
2. INSTALL ALL PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MATCH TO EXISTING PAVEMENT MARKINGS AT THE PROJECT LIMITS.
3. PAVEMENT MARKINGS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWINGS EXCEPT AS OTHERWISE DIMENSIONED OR SHOWN ON THE PLANS.
4. TOWN TO MAINTAIN ALL PAVEMENT MARKINGS.

SIGN NOTES:

1. INSTALL ALL SIGNS AS INDICATED.
2. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS TO BE REMOVED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ALL EXISTING SIGNS OUTSIDE THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS OR OTHERWISE DIRECTED BY THE ENGINEER.
4. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
5. THE CONTRACTOR SHALL CLEAR AND TRIM AS DIRECTED BY THE ENGINEER TO PROVIDE ADEQUATE SIGHT LINE TO THE SIGNS. THIS WORK WILL BE PAID FOR UNDER ITEM "CLEARING AND GRUBBING".
6. WHEN A SIGN IS TO BE REPLACED, THE EXISTING SIGN SHOULD NOT BE REMOVED UNTIL THE NEW REPLACEMENT SIGN IS INSTALLED.
7. SIGNS SHALL NOT BE PLACED LESS THAN 10 FEET FROM UTILITY POLES.
8. THE REMOVAL OF EXISTING SIGNS IN THE PROJECT AREA WILL BE PAID FOR UNDER ITEM "REMOVAL OF EXISTING SIGNS".
9. ALL REMOVED SIGNS AND SIGN POSTS SHALL BE RETURNED TO THE TOWN.

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019
SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

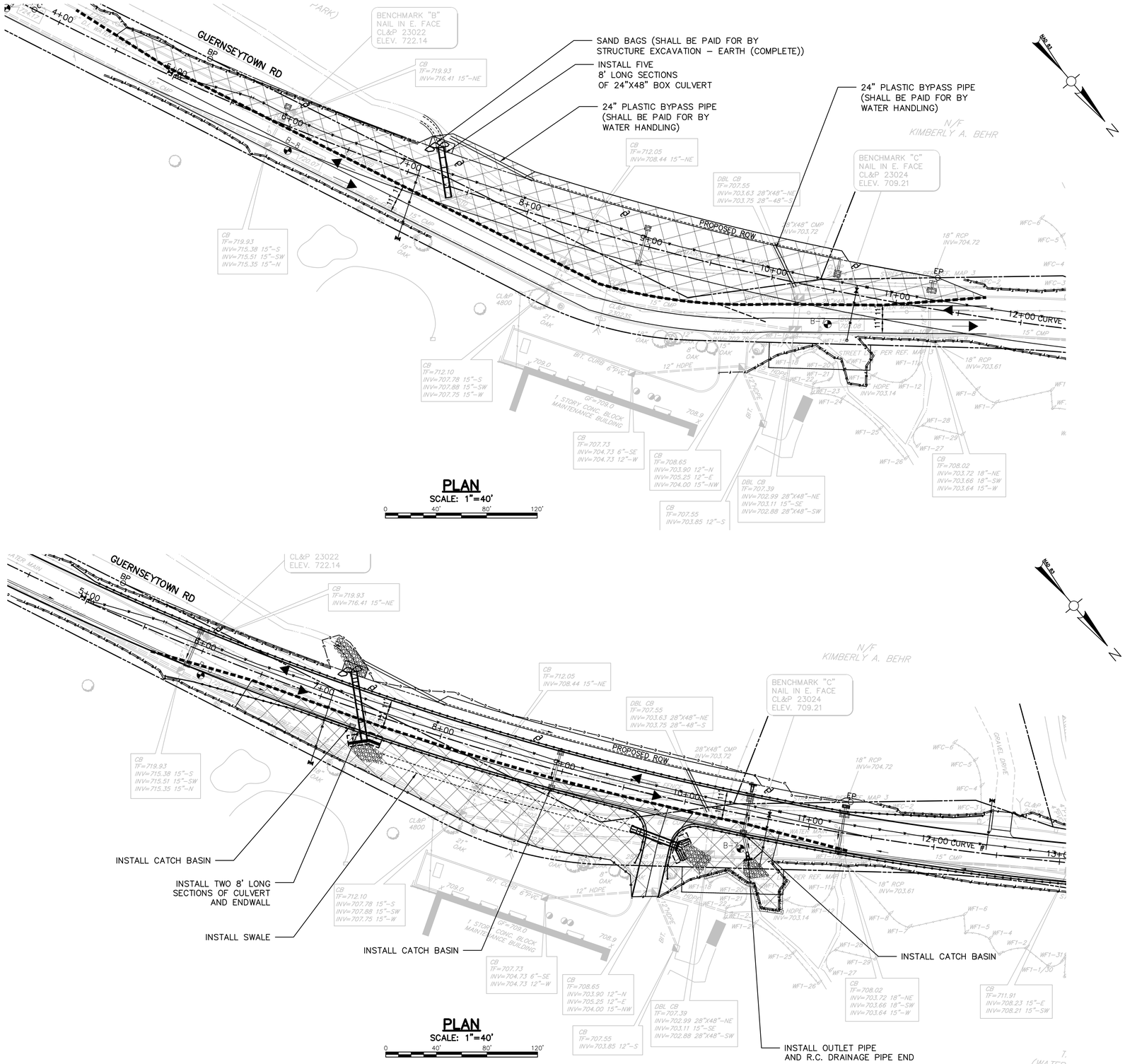
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TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE:
SIGNING AND PAVEMENT MARKING PLAN
STA 24+00 TO 35+70

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. SPM-3
SHEET NO. 73



PLAN
SCALE: 1"=40'
0 40' 80' 120'

STAGE 1 – CONSTRUCTION SEQUENCE

1. INSTALL SEDIMENT & EROSION CONTROL MEASURES.
2. CONSTRUCT LEFT SWALE BETWEEN STA 7+25 AND STA 10+50.

STAGE 2 – CONSTRUCTION SEQUENCE

1. DARKEN THE EXISTING LANE STRIPING. CLOSE PART OF THE SOUTHBOUND LANE. USE TWO–WAY TRAFFIC OPERATION WITH 11' LANES AND PAINT TEMPORARY LANE STRIPING.
2. INSTALL THE 15" PLASTIC BYPASS PIPE BETWEEN THE EXISTING SWALE AND NEW LEFT SWALE AT STA 7+50 AND BETWEEN THE LEFT SWALE AND THE EXISTING CULVERT AT STA 10+20 AS SHOWN IN THE PLAN WHILE MAINTAINING FLOW THROUGH THE EXISTING CULVERT AT STA 10+20.
3. INSTALL SHORING AROUND THE PROPOSED CULVERT LOCATION. INSTALL 5–8' LONG SECTIONS OF THE 24"X48" BOX CULVERT AT STA 7+25. PLACE SAND BAGS IN FRONT OF THE CULVERT INLET.
4. INSTALL THE CATCH BASINS, HEADWALLS AND STORM DRAINAGE PIPES REFERENCED IN PLANS. ABANDON OR REMOVE CATCH BASINS AND STORMWATER PIPES EXCEPT FOR THE CULVERT AT STA 10+20.
5. INSTALL THE WATER MAIN BETWEEN STA 5+00 AND STA 11+50. TEMPORARILY USE ONE WAY ALTERNATING TRAFFIC WHILE INSTALLING THE WATER BY STA 5+00.
6. GRADE AND CONSTRUCT THE BASE OF THE PROPOSED ROAD, SHOWN IN THE WORK AREA.

STAGE 3 – CONSTRUCTION SEQUENCE

1. OPEN THE CONSTRUCTED ROADWAY AND CLOSE THE EXISTING ROAD WITH TEMPORARY TRAFFIC BARRIERS AND PART OF THE NORTH BOUND LANE. USE TWO–WAY TRAFFIC OPERATION WITH 11' WIDE LANES. DARKEN THE EXISTING LANE STRIPING AND PAINT TEMPORARY LANE LINES.
2. BUILD THE REMAINING BOX CULVERT AND ENDWALL. CLOSE NORTHBOUND LANE TEMPORARILY AND OPERATE WITH ONE WAY ALTERNATING TRAFFIC.
3. CONSTRUCT THE SWALE AND CULVERT AT STA 9+60. INSTALL OUTLET PROTECTION.
4. REMOVE DEWATERING AND ALLOW THE WATER TO FLOW THROUGH THE BOX CULVERTS.
5. FINALIZE GRADING, AND INSTALL GUARD RAIL AND FENCING.
6. REMOVE THE SEDIMENT & EROSION CONTROL MEASURES. REMOVE THE 15" PLASTIC BYPASS PIPE AND SAND BAGS.

LEGEND

WORK AREA

TEMPORARY PRECAST CONCRETE BARRIER CURB (TPCBC)

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: AIN

DATE: JULY 2019
SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

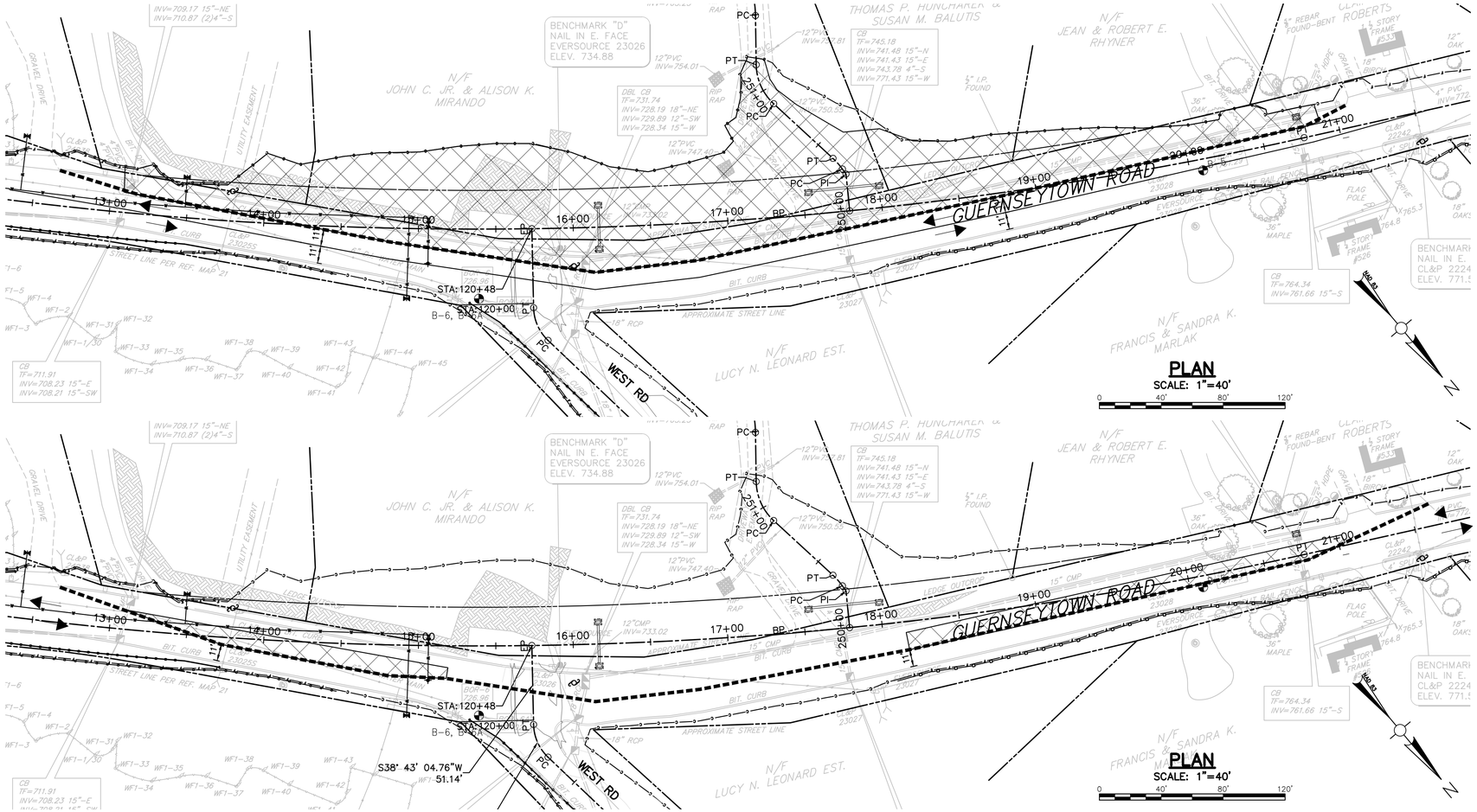
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PROJECT TITLE: RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE: MAINTENANCE AND PROTECTION OF TRAFFIC

PROJECT NO. L153–0003
FILE NO.
DRAWING NO. MPT–1
SHEET NO. 74



STAGE 1 – CONSTRUCTION SEQUENCE

1. INSTALL SEDIMENT & EROSION CONTROL MEASURES.
2. CLOSE PART OF SOUTHBOUND LANE. USE TWO–WAY TRAFFIC OPERATION WITH 11' WIDE LANES. DARKEN THE EXISTING LANE STRIPING AND PAINT TEMPORARY LANE LINES.
3. GRADE ROADWAY AND DRIVEWAYS. INSTALL THE CATCH BASINS AND STORM PIPES WITHIN THE WORK AREA AS SHOWN IN PLAN.

STAGE 2 – CONSTRUCTION SEQUENCE

1. CLOSE SOUTHBOUND LANE. USE ONE–WAY ALTERNATING TRAFFIC OPERATION WITH A SINGLE 11' WIDE LANE.
2. GRADE ROADWAY WITHIN WORK AREAS.

STAGE 3 – CONSTRUCTION SEQUENCE

1. CLOSE EXISTING NORTHBOUND LANE AND PART OF NEW NORTHBOUND LANE. USE TWO–WAY TRAFFIC OPERATION WITH 11' WIDE LANES. DARKEN THE EXISTING LANE STRIPING AND PAINT TEMPORARY LANE LINES.
2. GRADE ROADWAY AND INSTALL THE CATCH BASINS AND STORM DRAINAGE PIPES WITHIN THE WORK AREA.
3. FOR ONE DAY, CLOSE WEST STREET AND GRADE ROADWAY.
4. FINALIZE GRADING, AND INSTALL GUARD RAIL AND FENCING.
5. REMOVE THE SEDIMENT & EROSION CONTROL MEASURES.

LEGEND

WORK AREA

TEMPORARY PRECAST CONCRETE BARRIER CURB (TPCBC)

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019
SCALE: AS SHOWN

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APPROVED BY: DATE:

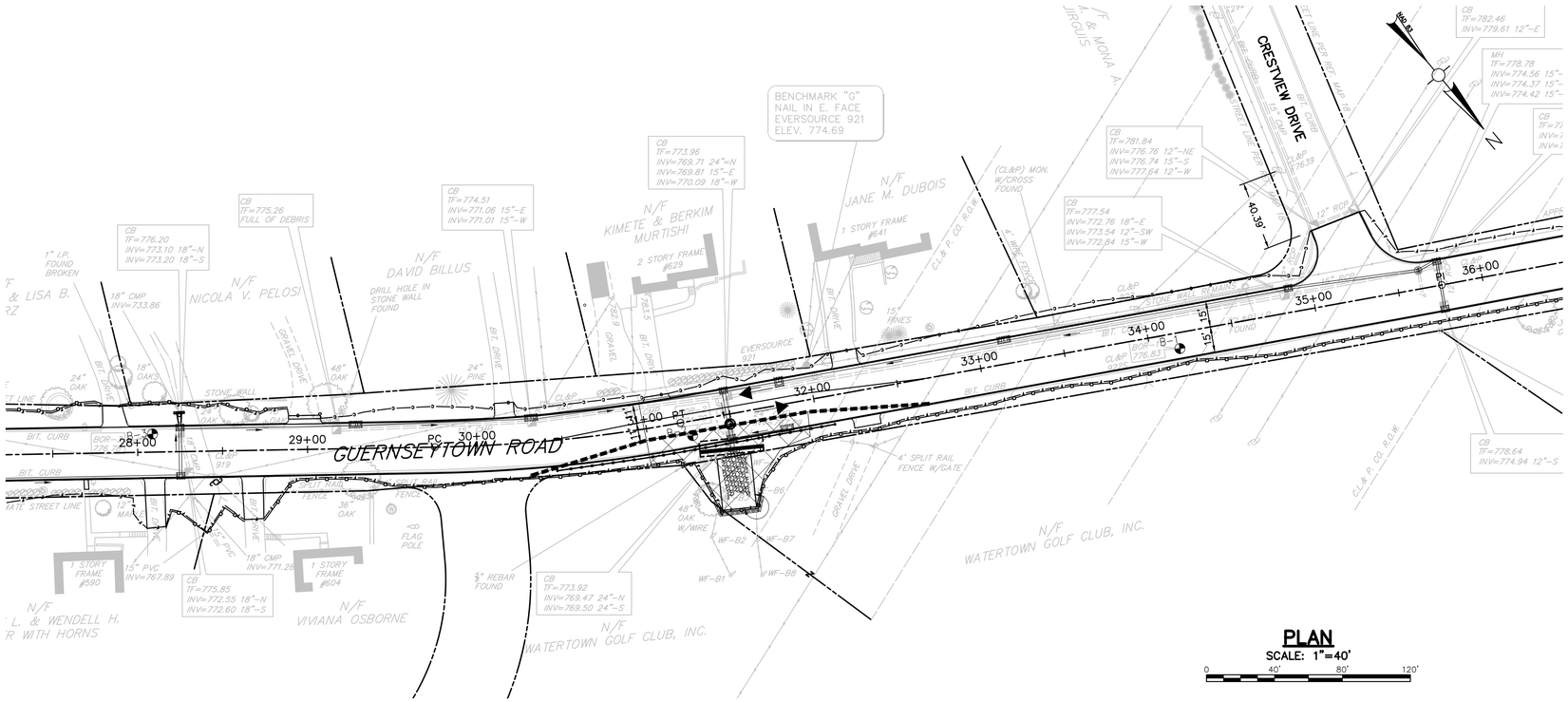
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DIVISION OF ENGINEERING

PROJECT TITLE: RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE: MAINTENANCE AND PROTECTION OF TRAFFIC

PROJECT NO. L153–0003
FILE NO.
DRAWING NO. MPT–2
SHEET NO. 75



STAGE 1 – CONSTRUCTION SEQUENCE

1. CLOSE PART OF NORTHBOUND LANE. USE TWO–WAY TRAFFIC OPERATION WITH 11' WIDE LANES.
2. INSTALL SHORING AND CONSTRUCT HEADWALL.
3. REMOVE SHORING. GRADE THE ROAD. REMOVE TRAFFIC CLOSURE.

LEGEND

WORK AREA

TEMPORARY PRECAST CONCRETE BARRIER CURB (TPCBC)

PLAN

SCALE: 1"=40'

0 40' 80' 120'

NO.	REVISIONS	BY	DATE

DES BY: LEC
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DATE: JULY 2019

SCALE: AS SHOWN

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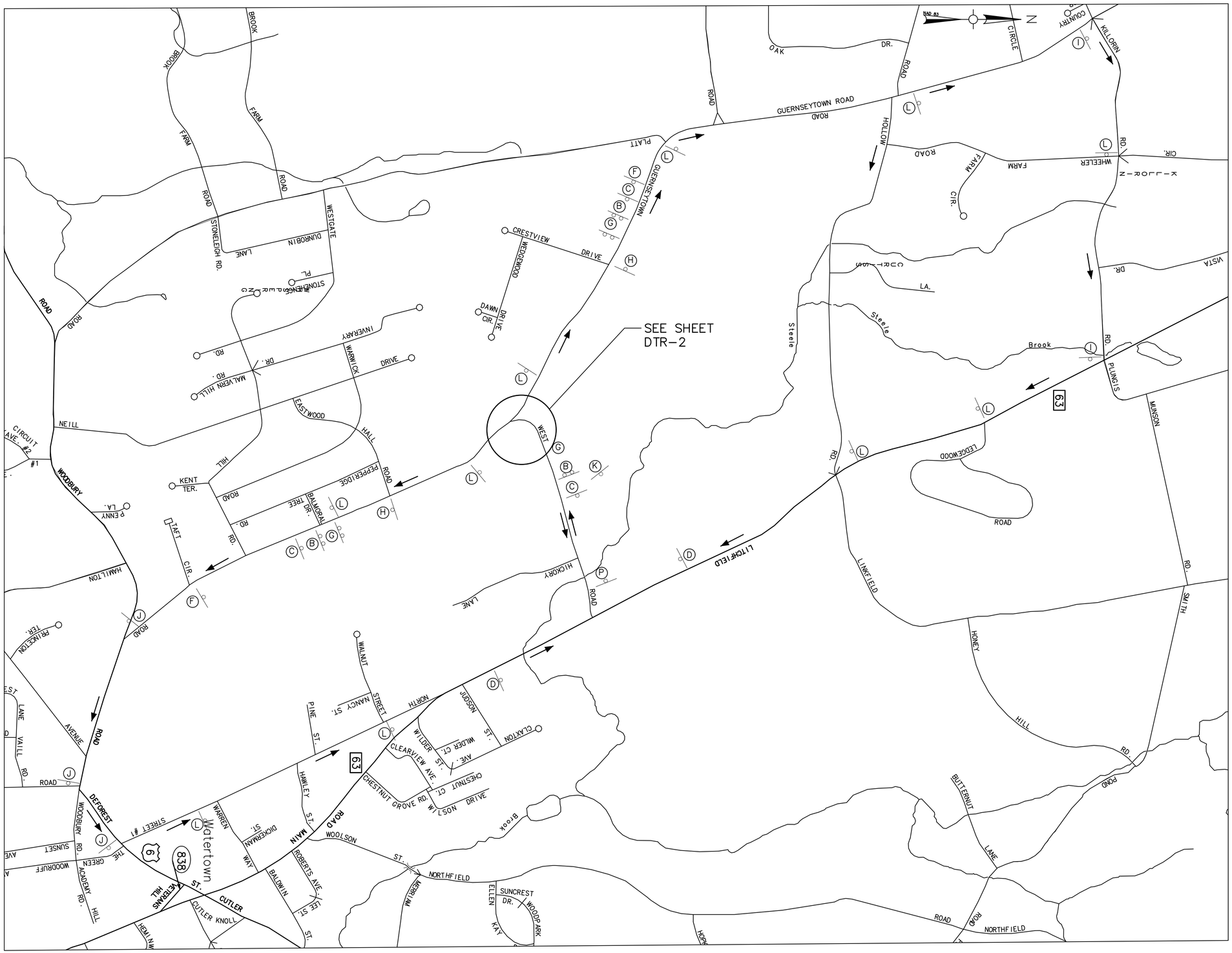
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PROJECT TITLE: RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE: MAINTENANCE AND PROTECTION OF TRAFFIC

PROJECT NO. L153–0003
FILE NO.
DRAWING NO. MPT–3
SHEET NO. 76



VEHICULAR DETOUR

SCALE 1"=500'

SIGN LEGEND:

- (A) 31-0553 – "STOP"
- (B) 31-1906 – "ROAD WORK AHEAD, FINES DOUBLED"
- (C) 80-1613 – "CONSTRUCTION AHEAD" SERIES 16-M
- (D) 80-9077 – "WEST RD. CLOSED AHEAD, LOCAL TRAFFIC ONLY"
- (F) 80-9081 – "WEST RD. CLOSED TO THRU TRAFFIC"
- (G) 80-9603 – "ROAD WORK AHEAD"
- (H) 80-9612 – "END ROAD WORK"
- (I) 80-9919 – "WEST RD."
  80-9701 – "DETOUR, ARROW (RIGHT)"
- (J) 80-9919 – "WEST RD."
  80-9702 – "DETOUR ARROW (LEFT)"
- (L) 80-9919 – "WEST RD."
  80-9710 – "DETOUR, ARROW STRAIGHT"
- (P) 80-9708 – "END DETOUR"

SYMBOL LEGEND

- ONE-POST SIGN
- TWO-POST SIGN
- CONSTRUCTION BARRICADE TYPE III
- TRAFFIC FLOW DURING CONSTRUCTION

NO.	REVISIONS	BY	DATE

DES BY: LEC
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CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019
SCALE: AS SHOWN

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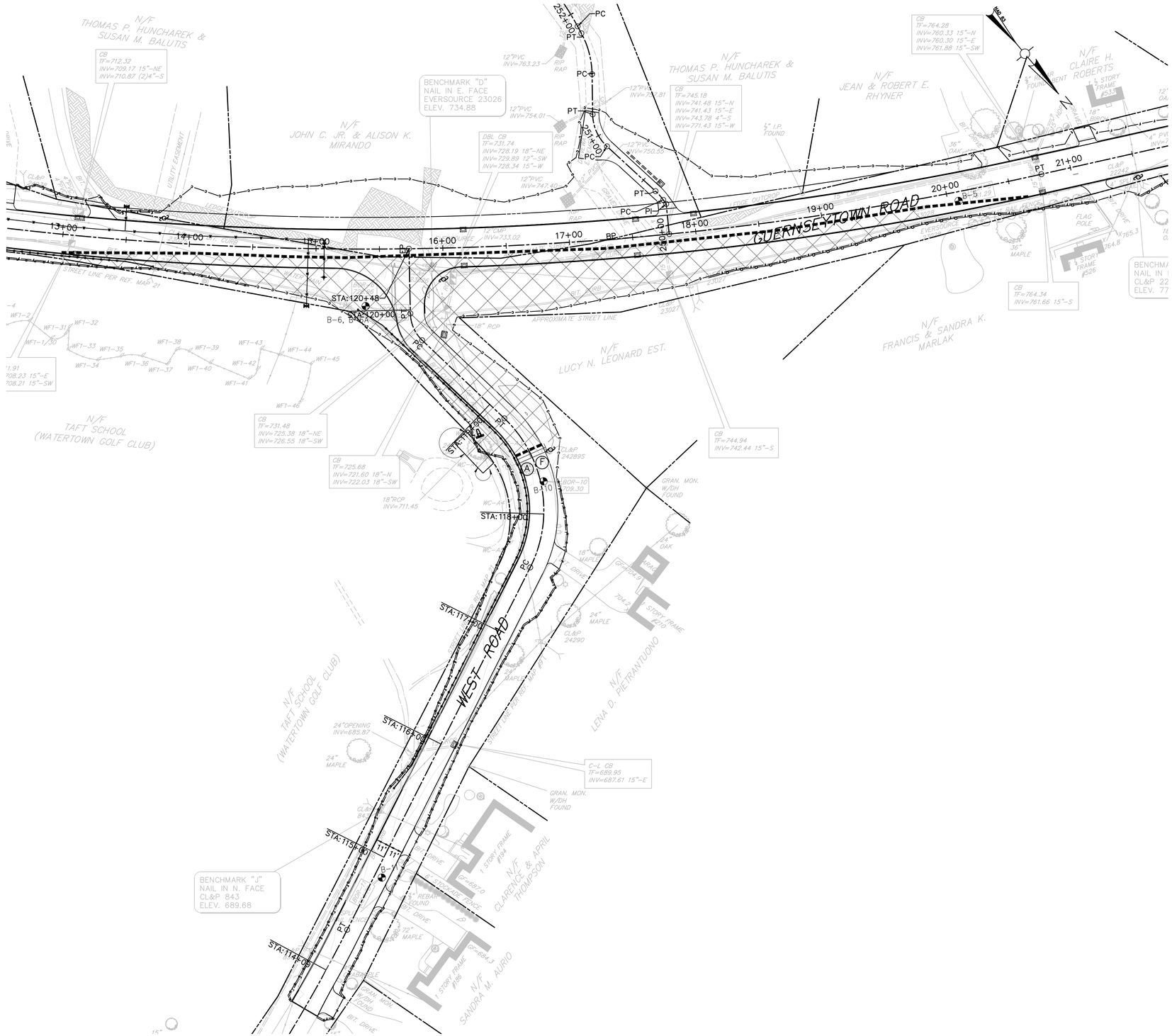
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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE: RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE: DETOUR PLAN

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. DTR-1
SHEET NO. 77



PLAN
SCALE: 1"=40'
0 40' 80' 120'

MP&T AND DETOUR NOTES

1. AL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR SECTION 1.08 – PROSECUTION AND PROGRESS AND ITEM NO. 0971001A – MAINTENANCE AND PROTECTION OF TRAFFIC.
2. CONTRACTOR TO NOTIFY THE ENGINEER, THE TOWN OF WATERTOWN, AND ALL EMERGENCY SERVICES AT LEAST TWO WEEKS PRIOR TO ROAD CLOSURE.
3. ALL SIGNS USED FOR CONSTRUCTION/DETOUR ACTIVITIES SHALL BE PAID FOR UNDER ITEM NO. 1220027 – CONSTRUCTION SIGNS.
4. DETOUR SIGNS ARE TO BE INSTALLED SO THAT THEY DO NOT BLOCK OR ARE NOT BLOCKED BY EXISTING SIGNS.
5. ALL CONFLICTING SIGNS SHALL BE COVERED OR REMOVED WHEN THE DETOUR IS IN EFFECT. REMOVAL/COVERING OF EXISTING SIGNS IS PAYABLE UNDER ITEM NO. 0971001A – MAINTENANCE AND PROTECTION OF TRAFFIC.
6. ALL DETOUR SIGNS TO BE INSTALLED ON BREAKAWAY POSTS PER CTDOT TRAFFIC STANDARD SHEET TR-1208-1, TR-1208-2 AND TR-1220-2.
7. THE LOCATION OF TEMPORARY SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE ADJUSTED BY 'THE CONTRACTOR TO MEET FIELD CONDITIONS.
8. ANY EXISTING SIGNING DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO COST TO THE TOWN.
9. THE BARRICADE WARNING LIGHTS – HIGH INTENSITY SHALL BE MOUNTED ON ALL DIAMOND SHAPED POSTS-MOUNTED CONSTRUCTION SIGNS.
10. EXISTING ILLUMINATION OR TEMPORARY ILLUMINATION SHALL REMAIN OPERATIONAL AT ALL TIMES.
11. EXISTING SIGNS ARE TO BE RELOCATED AS NEEDED AND AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION SO THAT THEY ARE IN THE APPROPRIATE LOCATION AND VISIBLE TO MOTORISTS. SOME SIGNS MAY HAVE TO BE TEMPORARILY LOCATED WITHIN THE WORK AREA. THIS WORK WILL BE PAID FOR UNDER ITEM NO. 097100A – MAINTENANCE AND PROTECTION OF TRAFFIC.

LEGEND

WORK AREA

TEMPORARY PRECAST CONCRETE BARRIER CURB (TPCBC)

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019
SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

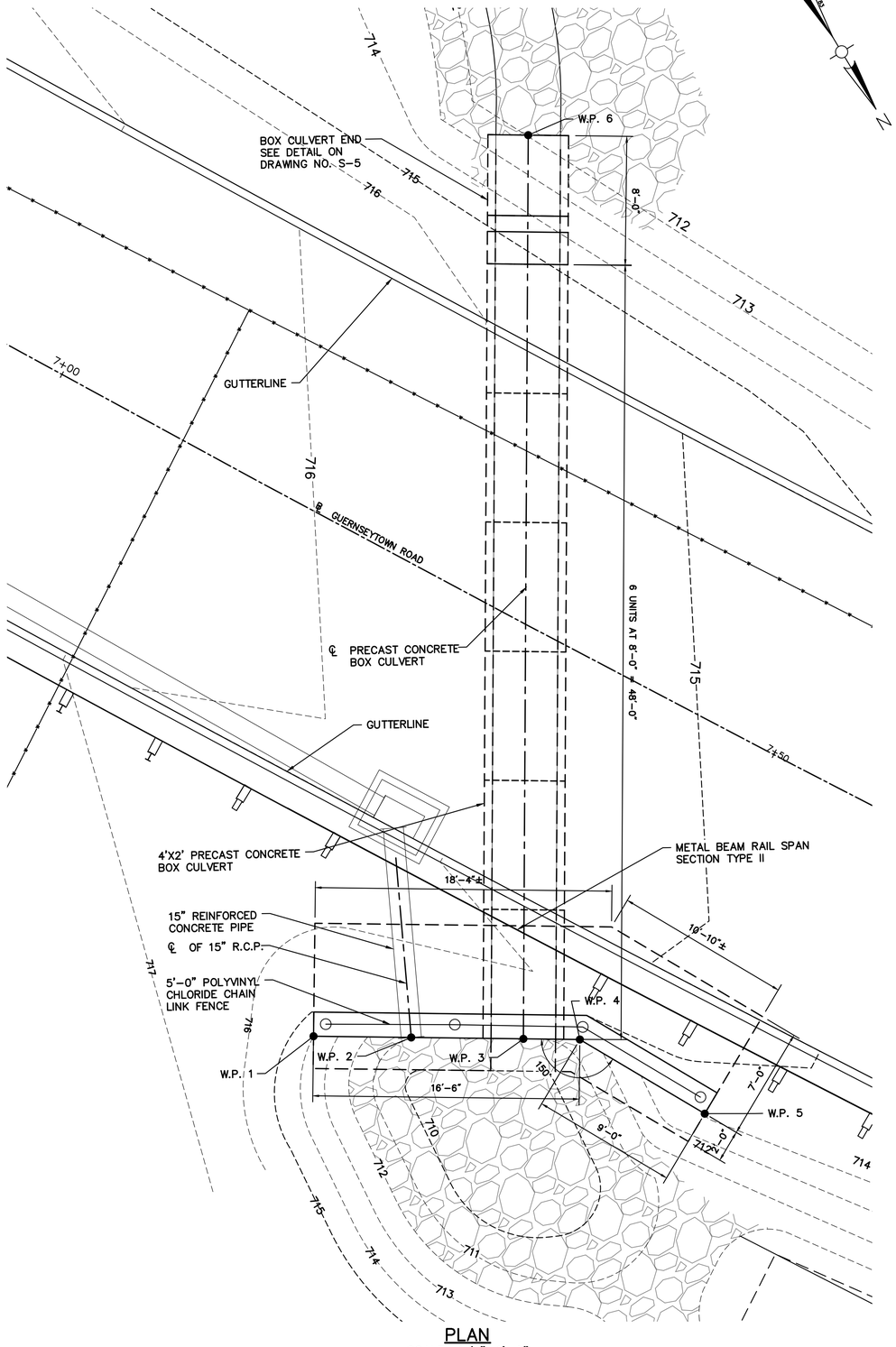
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DEPARTMENT OF PUBLIC WORKS
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PROJECT TITLE: RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE: DETOUR PLAN

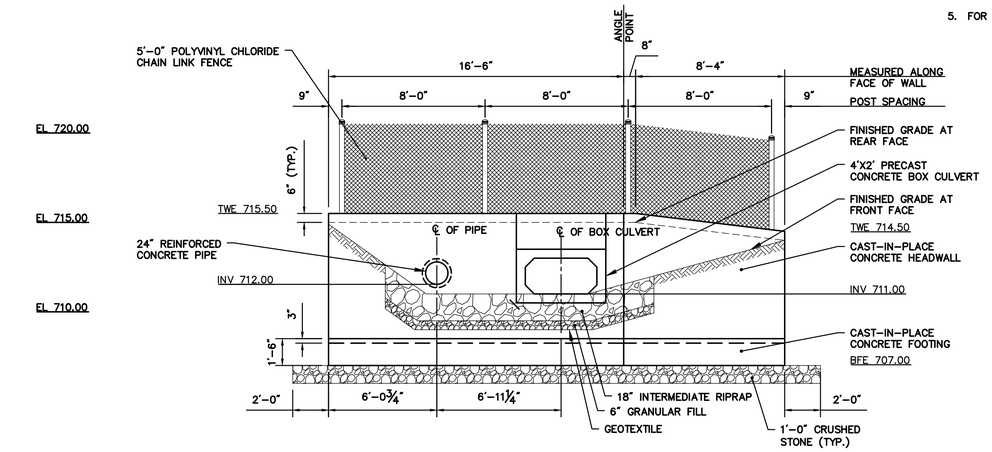
PROJECT NO. L153-0003
FILE NO.
DRAWING NO. DTR-2
SHEET NO. 78



PLAN

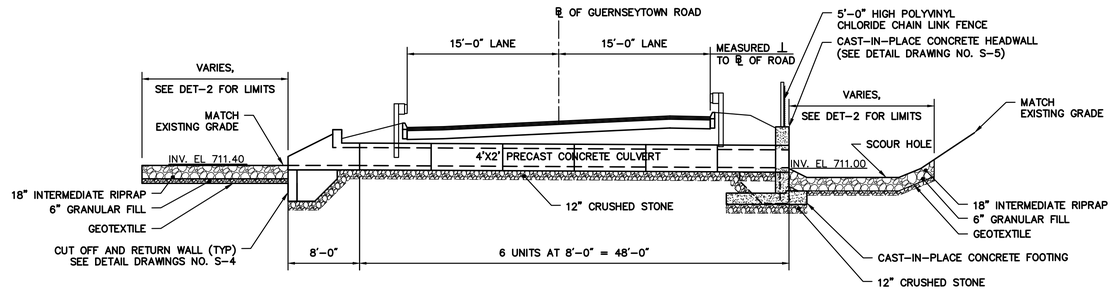
SCALE: 1/4"=1'-0"

WORKING POINTS		
NUMBER	NORTH COORDINATE	EAST COORDINATE
1	784561.3051	894677.7719
2	784564.4868	894672.6203
3	784568.1840	894666.6342
4	784569.9755	894663.7336
5	784557.9008	894659.4685
6	784520.2883	894637.6197



DEVELOPED ELEVATION

SCALE: 1/4"=1'-0"



CROSS SECTION

SCALE: 1/8"=1'-0"

REFERENCE NOTES

1. FOR GENERAL NOTES SEE S-4
3. FOR TYPICAL PRECAST BOX CULVERT SEE DRAWING NO. S-5
2. FOR TYPICAL WING WALL SECTION SEE DRAWING NO. S-4
4. FOR HEADWALL DETAIL SEE DRAWING NO. S-5
5. FOR BOX CULVERT END DETAIL SEE DRAWING NO. S-5

BRIDGE ITEM QUANTITIES – ENDWALL 1		
CONSTRUCTION ITEM	UNIT	QUANTITY
STRUCTURE EXCAVATION – EARTH (EXCLUDING HANDLING WATER)	C.Y.	250
STRUCTURE EXCAVATION – ROCK (EXCLUDING HANDLING WATER)	C.Y.	13
PERVIOUS STRUCTURAL BACKFILL	C.Y.	70
CLASS "A" CONCRETE	C.Y.	22.5
4'X2' PRECAST CONCRETE BOX CULVERT	L.F.	48
4'X2' R.C. CULVERT END	EA.	1
DEFORMED STEEL BARS – GALVANIZED	LB.	3375
MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	S.Y.	41
MEMBRANE WATERPROOFING	S.Y.	40
DAMPPROOFING	S.Y.	11
NO. 4 CRUSHED STONE	C.F.	842
5' POLYVINYL CHLORIDE CHAIN LINK FENCE	L.F.	25

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019

SCALE: AS SHOWN

SUBMITTED BY: DATE:
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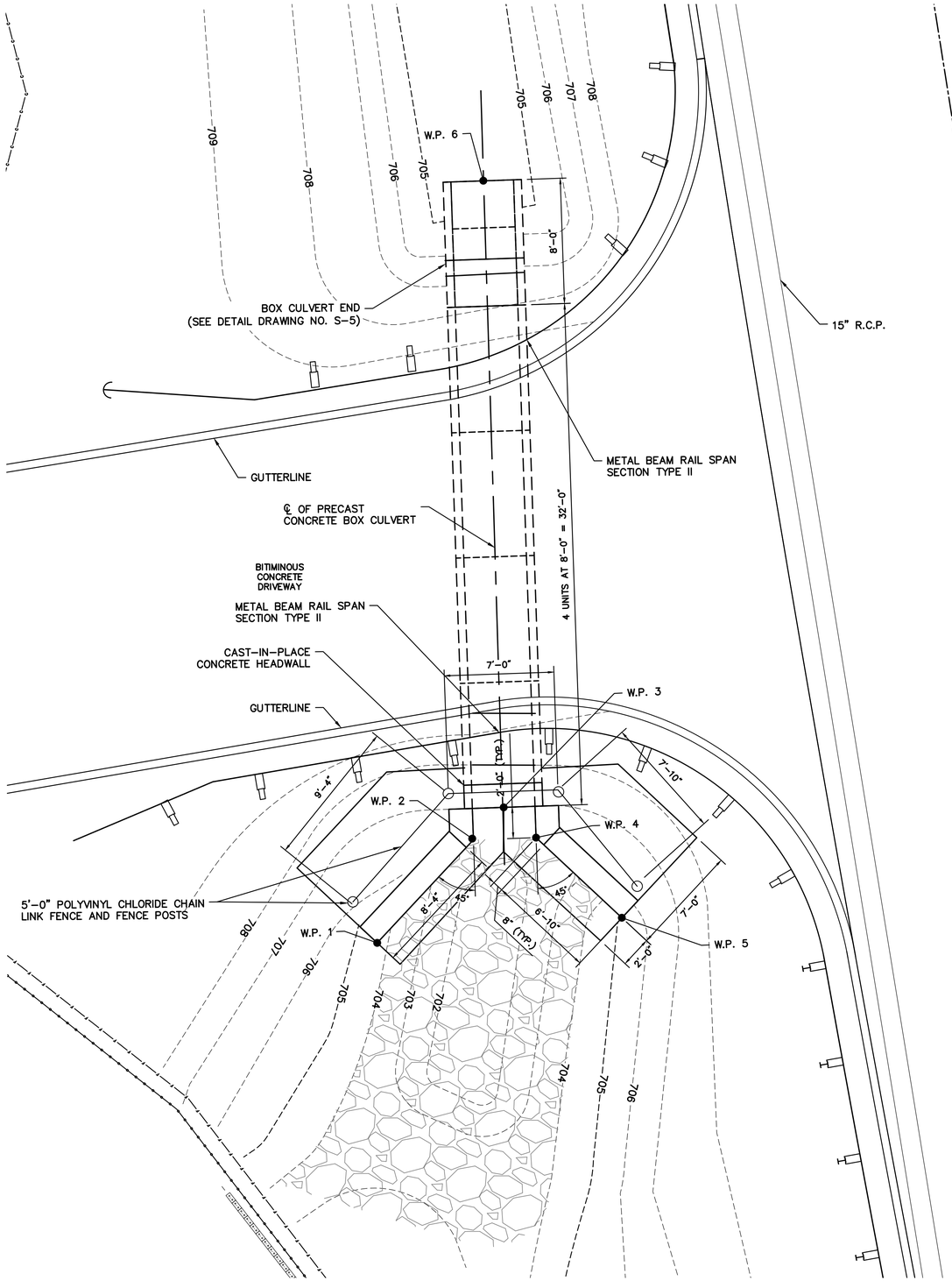
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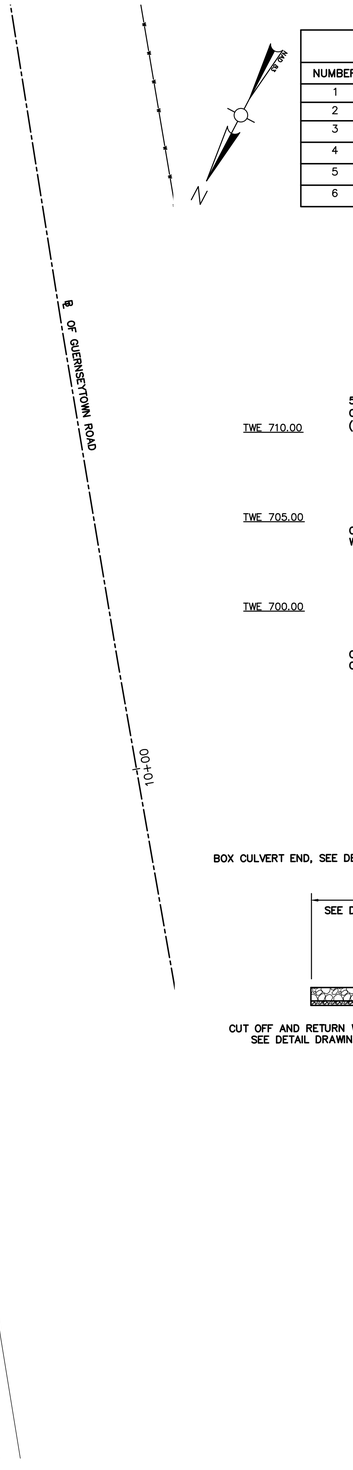
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

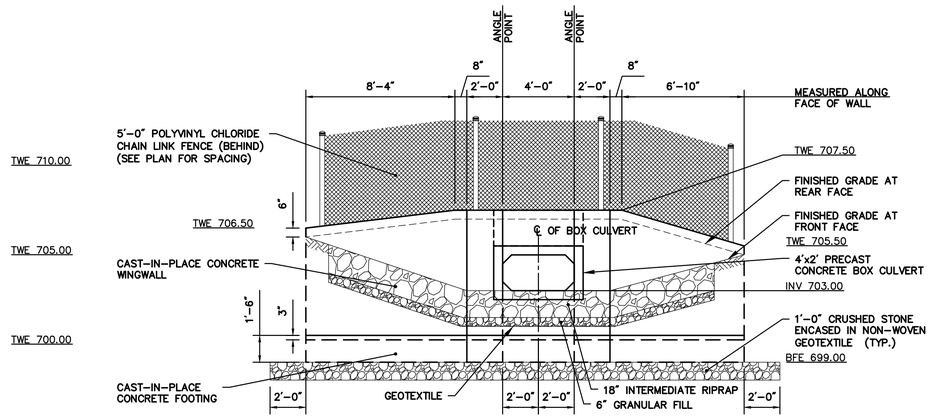
DRAWING TITLE:
PLAN, SECTION AND ELEVATION
ENDWALL 1

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. S-1
SHEET NO. 79





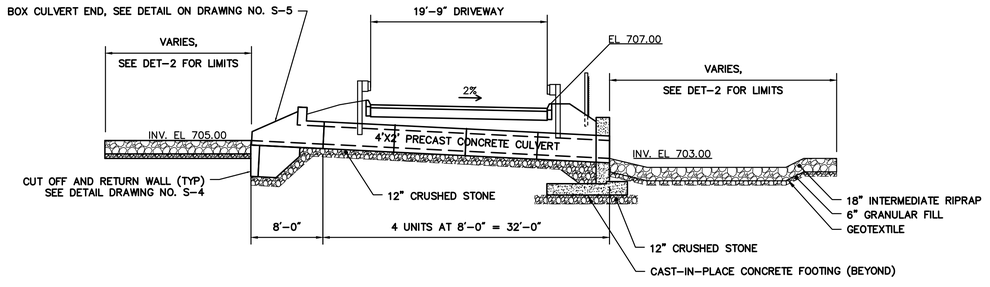
WORKING POINTS		
NUMBER	NORTH COORDINATE	EAST COORDINATE
1	784801.9301	894533.3627
2	794793.3564	894530.6256
3	794790.6620	894529.7654
4	784791.5222	894527.0709
5	784793.8031	894519.9262
6	784755.0743	894548.0505



DEVELOPED ELEVATION
SCALE: 1/4"=1'-0"

REFERENCE NOTES

1. FOR GENERAL NOTES SEE DRAWING NO. S-4
2. FOR TYPICAL PRECAST BOX CULVERT SEE DRAWING NO. S-5
3. FOR TYPICAL WING WALL SECTION SEE DRAWING NO. S-4
4. FOR SCOUR HOLE DIMENSIONS SEE DRAWING NO. D-2
5. FOR HEADWALL DETAIL SEE DRAWING NO. S-5



CROSS SECTION
SCALE: 1/8"=1'-0"

PLAN
SCALE: 1/4"=1'-0"

BRIDGE ITEM QUANTITIES – ENDWALL 2		
CONSTRUCTION ITEM	UNIT	QUANTITY
STRUCTURE EXCAVATION – EARTH (EXCLUDING WATER HANDLING)	C.Y.	220
STRUCTURE EXCAVATION – ROCK (EXCLUDING WATER HANDLING)	C.Y.	11
PERVIOUS STRUCTURAL BACKFILL	C.Y.	60
CLASS "A" CONCRETE	C.Y.	19.5
4'x2' PRECAST CONCRETE BOX CULVERT	L.F.	32
4'x2' R.C. CULVERT END	EA.	1
DEFORMED STEEL BARS – GALVANIZED	LB.	2925
MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	S.Y.	28
MEMBRANE WATERPROOFING	S.Y.	40
DAMPPROOFING	S.Y.	10
NO. 4 CRUSHED STONE	C.F.	676
5' POLYVINYL CHLORIDE CHAIN LINK FENCE	L.F.	25

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: ALN

DATE: JULY 2019
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SUBMITTED BY: DATE:
APPROVED BY: DATE:

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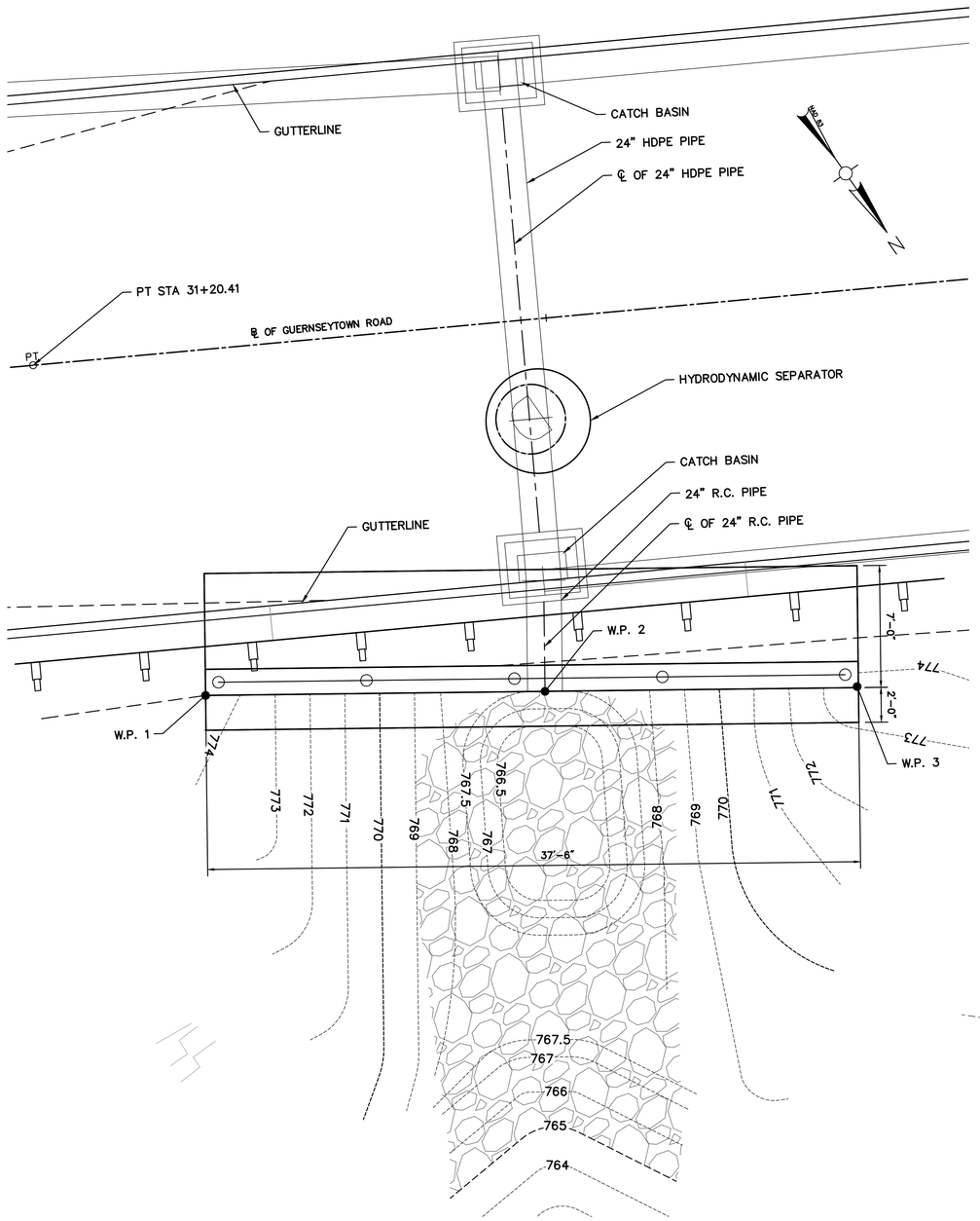
TOWN OF WATERTOWN
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE:
RECONSTRUCTION OF
GUERNSEYTOWN ROAD

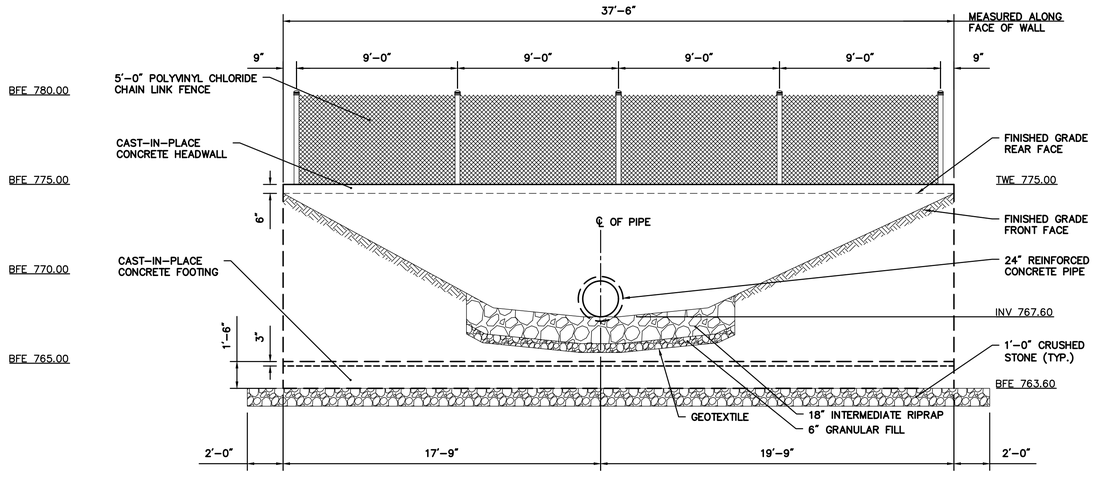
DRAWING TITLE:
PLAN, SECTION AND ELEVATION
ENDWALL 2

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. S-2
SHEET NO. 30

WORKING POINTS		
NUMBER	NORTH COORDINATE	EAST COORDINATE
1	786037.6208	891813.6030
2	786048.6105	892797.4988
3	786058.6701	892782.6578



PLAN
SCALE: 1/4"=1'-0"

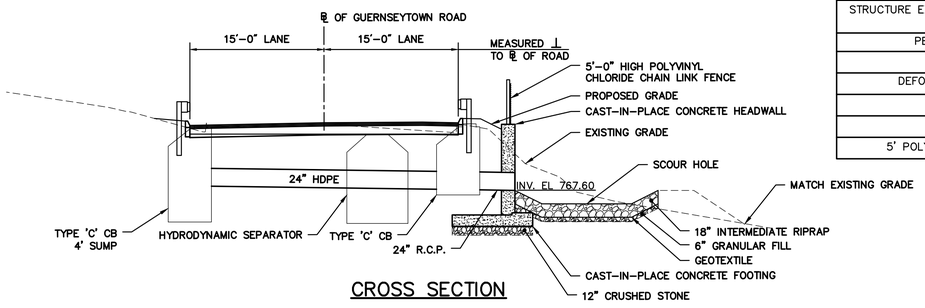


DEVELOPED ELEVATION
SCALE: 1/4"=1'-0"

COFFERDAM & DEWATERING CONSTRUCTION SEQUENCE

1. INSTALL SEDIMENT & EROSION CONTROL MEASURES.
2. CONSTRUCT THE PROPOSED PIPED STORMWATER SYSTEM AND ABANDON CROSSING AT STA 28+25.

BRIDGE ITEM QUANTITIES – ENDWALL 3		
CONSTRUCTION ITEM	UNIT	QUANTITY
STRUCTURE EXCAVATION – EARTH (EXCLUDING HANDLING WATER)	CY	230
STRUCTURE EXCAVATION – ROCK (EXCLUDING HANDLING WATER)	CY	11
PERVIOUS STRUCTURAL BACKFILL	CY	180
CLASS "A" CONCRETE	CY	38
DEFORMED STEEL BARS – GALVANIZED	LB.	5700
DAMPPROOFING	S.Y.	41
NO. 4 CRUSHED STONE	C.F.	540
5' POLYVINYL CHLORIDE CHAIN LINK FENCE	L.F.	36



CROSS SECTION
SCALE: 1/8"=1'-0"

REFERENCE NOTES:
1. FOR GENERAL NOTES SEE DRAWING NO. S-4
2. FOR TYPICAL WING WALL SECTION SEE DRAWING NO. S-4
3. FOR SCOUR HOLE DIMENSIONS SEE DRAWING NO. D-2

NO.	REVISIONS	BY	DATE

DES BY: LEC
DRN BY: LEC
CHK BY: LAS
APPD BY: AIN

DATE: JULY 2019
SCALE: AS SHOWN

SUBMITTED BY: DATE:
APPROVED BY: DATE:

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PROJECT TITLE:
RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE:
PLAN, SECTION AND ELEVATION
ENDWALL 3

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. S-3
SHEET NO. 81

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 (2016), SUPPLEMENTAL SPECIFICATION DATED (JULY 2019) AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (8TH EDI.-2017) AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003)

MATERIAL STRENGTHS

PCC03340 f'c = 4000 psi

THE SPECIFIED CONCRETE STRENGTH, f'c, USED IN DESIGN OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 6.01 CONCRETE FOR STRUCTURES OF THE STANDARD SPECIFICATIONS.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60, fy = 60,000 psi.

LIVE LOAD: HL-93, LEGAL AND PERMITTING VEHICLES

ELEVATIONS: ELEVATIONS ARE GIVEN IN DECIMAL FEET AND ARE REFERENCED TO NAVD88. WHEN ELEVATIONS ARE GIVEN TO LESS THAN TWO DECIMAL PLACES, THE OMITTED DIGITS CAN BE ASSUMED TO BE ZEROS.

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENT TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY.

UTILITIES: THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES, CABLES, CONDUITS OR OTHER UTILITIES ARE SHOWN. THE ACTUAL LOCATIONS OF UTILITIES SHALL BE DETERMINED BY CONTRACTOR. ALL UTILITY COMPANIES SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY WORK AFFECTING UTILITIES.

TRAFFIC: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISION "MAINTENANCE AND PROTECTION OF TRAFFIC."

CONCRETE NOTES:

CONCRETE: PCC03340 SHALL BE USED THROUGHOUT.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" x 1" UNLESS DIMENSIONED OTHERWISE

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

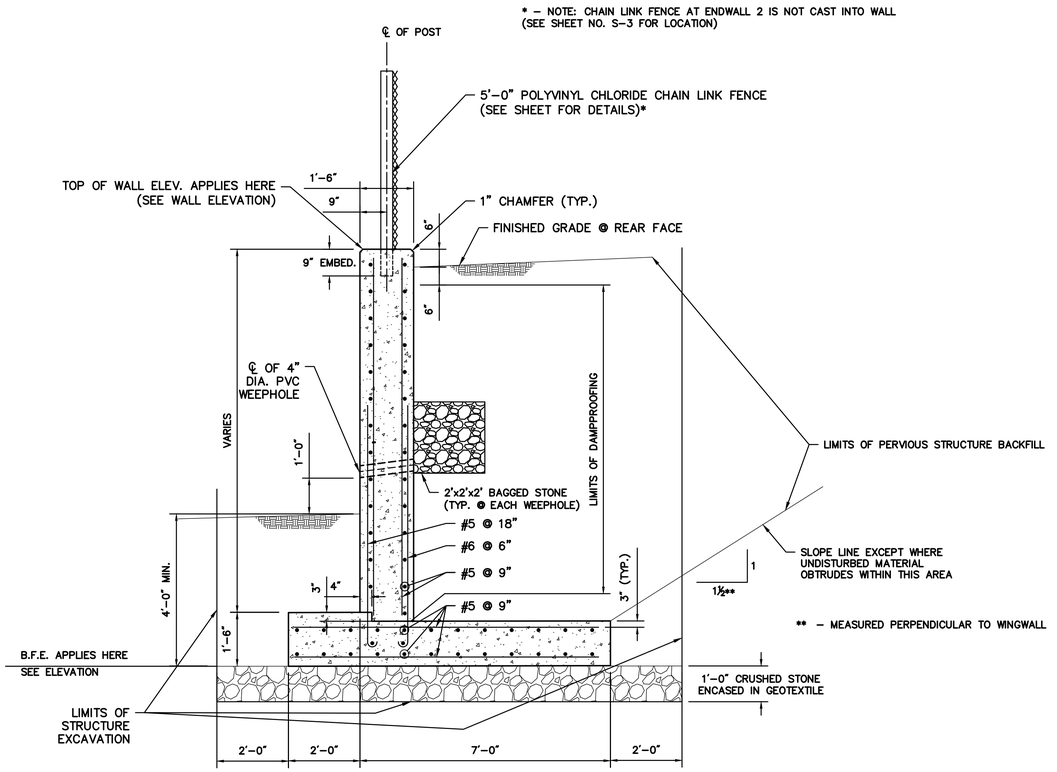
PREFORMED EXPANSION JOINT FILLER: THE COST OF FURNISHING AND INSTALLING PREFORMED EXPANSION JOINT FILLER SHALL BE INCLUDED IN THE COST OF THE ITEM "PCC03340 CONCRETE".

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

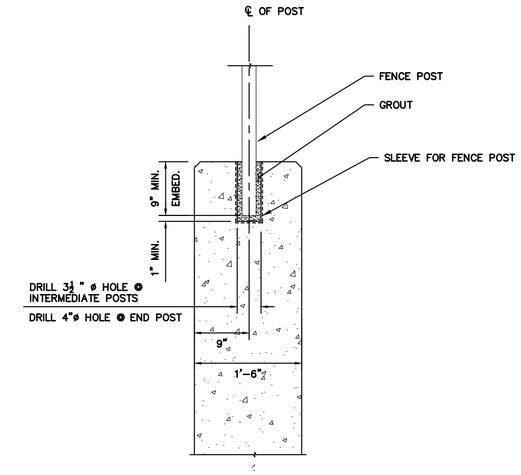
REINFORCEMENT: ALL REINFORCEMENT SHALL BE GALVANIZED AFTER FABRICATION UNLES NOTED OTHERWISE. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A767, CLASS 1, INCLUDING SUPPLEMENTAL REQUIREMENTS. THE COST OF FURNISHING AND PLACING THIS REINFORCEMENT SHALL BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS - GALVANIZED".

PRECAST BOX CULVERT NOTES:

1. THE CONTRACTOR SHALL DESIGN, MANUFACTURE AND CONSTRUCT PRECAST CONCRETE BOX CULVERT IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR "PRECAST CONCRETE BOX CULVERT" AND THE INSIDE DIMENSIONS, LENGTH AND DETAILS SHOWN ON THESE PLANS.
2. ALL INSERTS OR HOLES CAST INTO THE CULVERT SECTIONS FOR THE SOLE PURPOSE OF HANDLING AND SETTING THE UNITS SHALL BE GROUTED OVER TO A SMOOTH FINISH UPON COMPLETION OF THE WORK.
3. NON-SHRINK GROUT SHALL BE USED TO GROUT THE REINFORCEMENT.
4. THE COST OF FURNISHING AND INSTALLING INSERTS SHALL BE INCLUDED IN THE ITEM "4'X2' PRECAST CONCRETE BOX CULVERT" AND SHALL BE ONE OF THE FOLLOWING:
   1. STAR EXPANSION INDUSTRIES CORP. TYPE P-35-T
   2. RICHMOND SCREW ANCHOR CO. TYPE LF
   3. DAYTON SUPERIOR CORP. TYPE F-57
5. THE #5 BARS WITH THREADED END SHALL BE COMPATIBLE WITH THE THREADED INSERTS (SEE NOTE 4). THREADS SHALL BE LONG ENOUGH TO FULLY ENGAGE THE INSERTS. THE THREADED BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.
6. ALL REINFORCEMENT TO HAVE 2" COVER UNLESS NOTED OTHERWISE.

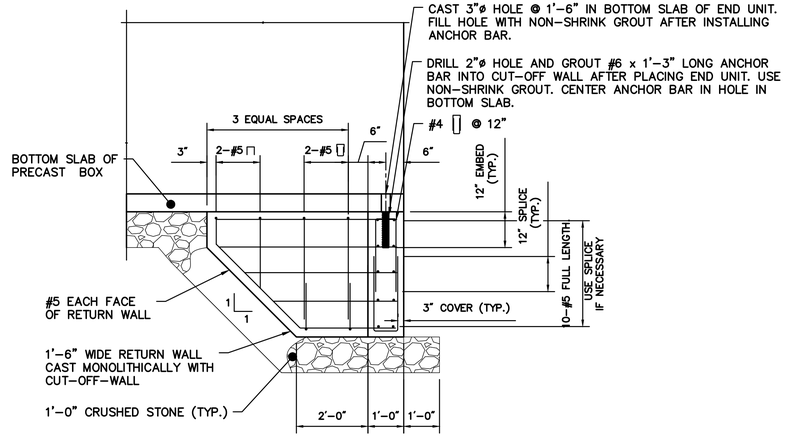


TYPICAL WING WALL SECTION
SCALE: 1/2"=1'-0"



NOTE:
DRILLING AND GROUTING TO BE INCLUDED IN COST OF "4'-0" HIGH POLYVINYL CHLORIDE CHAIN LINK FENCE"

FENCE POST SLEEVE DETAIL
SCALE: 1" = 1'-0"



CUTOFF AND RETURN WALL DETAIL
SCALE: 1/2"=1'-0"

NO.	REVISIONS	BY	DATE

DES BY: LEC
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APPD BY: ALN

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APPROVED BY: DATE:

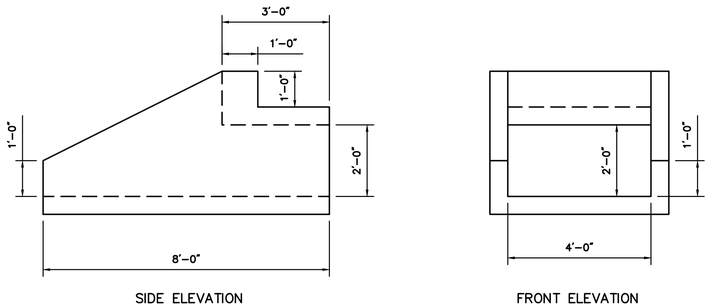
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PROJECT TITLE:
RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE:
STRUCTURAL GENERAL NOTES AND STRUCTURAL DETAILS

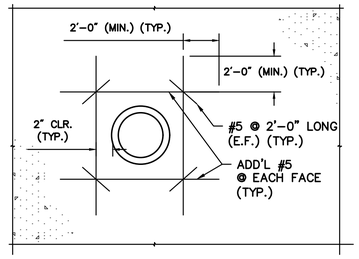
PROJECT NO. L153-0003
FILE NO.
DRAWING NO. S-4
SHEET NO. 82



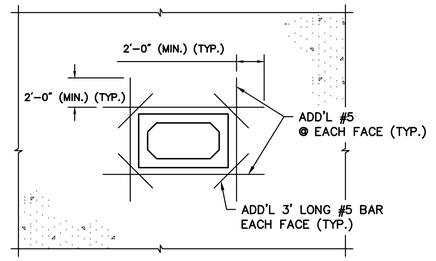
SIDE ELEVATION

FRONT ELEVATION

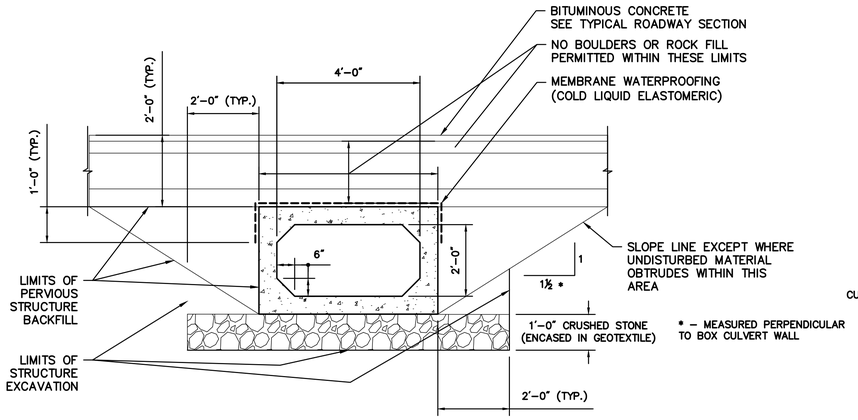
BOX CULVERT END DETAIL
SCALE: 1/2"=1'-0"



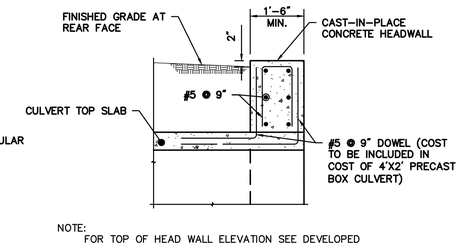
WALL REINFORCEMENT AT PIPE PENITRATION
SCALE: 1/4"=1'-0"



WALL REINFORCEMENT AT BOX CULVERT PENETRATION
SCALE: 1/4"=1'-0"



TYPICAL PRECAST BOX CULVERT DETAIL
SCALE: 1/2"=1'-0"



NOTE:
FOR TOP OF HEAD WALL ELEVATION SEE DEVELOPED ELEVATION

HEADWALL REINFORCEMENT DETAIL
SCALE: 1/2"=1'-0"

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PROJECT TITLE:
RECONSTRUCTION OF GUERNSEYTOWN ROAD

DRAWING TITLE:
STRUCTURAL DETAILS

PROJECT NO. L153-0003
FILE NO.
DRAWING NO. S-5
SHEET NO. 83