03-HIGHWAYS
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
IDX-01	INDEX OF DRAWINGS		
TYP-01	TYPICAL SECTIONS		
MDS-01 TO MDS-06	MISCELLANEOUS DETAILS		
IGP-01 TO IGP-03	INTERSECTION GRADING PLANS		
PLN-01 TO PLN-03	ROADWAY PLANS		
DRN-01 TO DRN-06	DRAINAGE PLANS		
PRO-01 TO PRO-02	U.S. ROUTES 7&44 PROFILES		
PRO-03	GRANITE AVENUE PROFILE		
XSC-01 TO XSC-12	U.S. ROUTES 7&44 CROSS-SECTIONS		
XSC-13	GRANITE AVENUE CROSS-SECTIONS		

DESIGNED BY:

BL Companies

BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

STATE OF CONNECTICUT MICHAEL G. FISHER No. 21170 LICENSED PROFESSIONAL ENGINEER

Digitally signed by Michael Fisher
Date: 2020.01.30 08:35:07-05'00'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: **J.H.E.**
CHECKED BY: **M.F.**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_IDX-01.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT MICHAEL G. FISHER No. 21170 LICENSED PROFESSIONAL ENGINEER

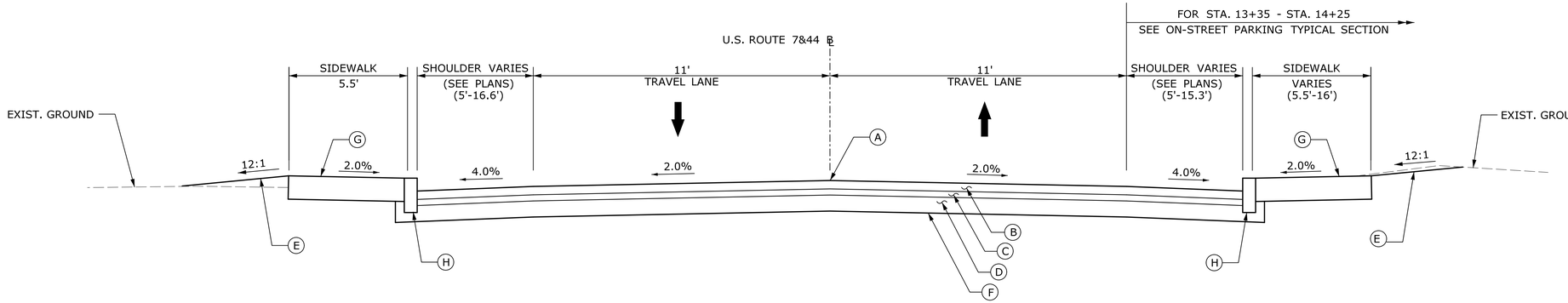
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **INDEX OF DRAWINGS**

PROJECT NO. **99-144/115**
DRAWING NO. **IDX-01**
SHEET NO. **03.01**



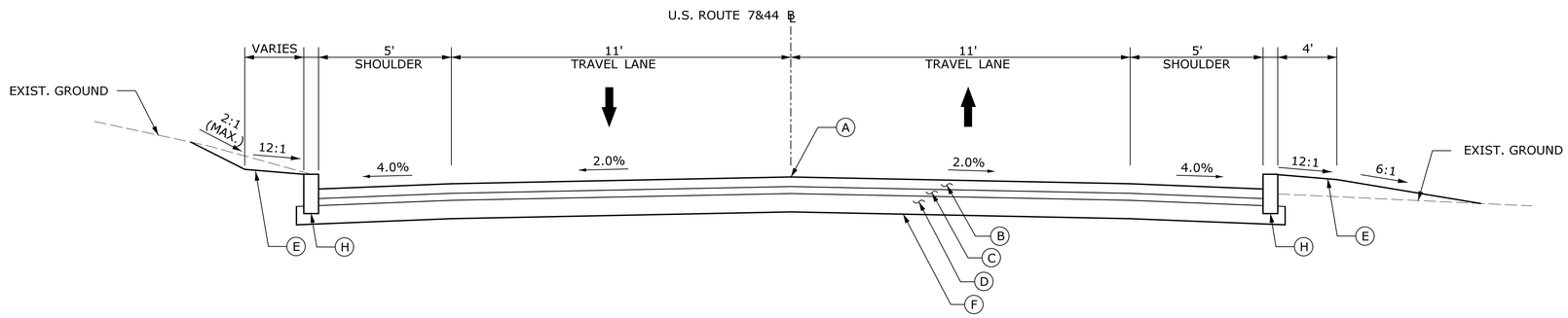
U.S. ROUTE 7&44 (MAIN STREET) STA. 11+50 TO 13+90

NOT TO SCALE

LEGEND FOR TYPICAL SECTIONS

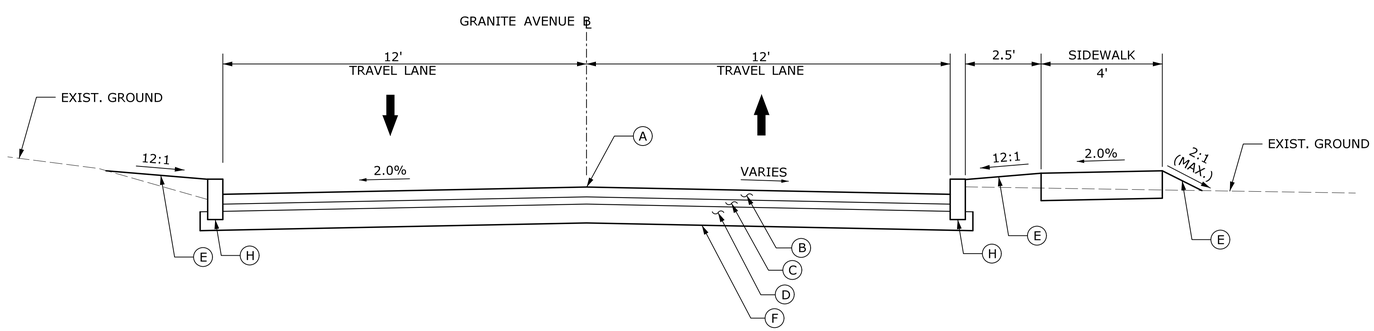
- (A) POINT OF APPLICATION OF GRADE
- (B) 4" PMA S0.5 TRAFFIC LEVEL 2 (PLACED IN TWO EQUAL LIFTS)
- (C) 3" PMA S1.0 TRAFFIC LEVEL 2
- (D) 12" SUBBASE
- (E) 4" TOPSOIL & TURF ESTABLISHMENT
- (F) FORMATION OF SUBGRADE
- (G) CONCRETE SIDEWALK
- (H) GRANITE CURBING
- (I) PMA S0.5 TRAFFIC LEVEL 2 WEDGE COURSE
- (J) 2" FINE MILLING OF BITUMINOUS CONCRETE

NOTE:
"MATERIAL FOR TACK COAT" SHALL BE APPLIED AS PER SECTION 4.06 - BITUMINOUS CONCRETE.



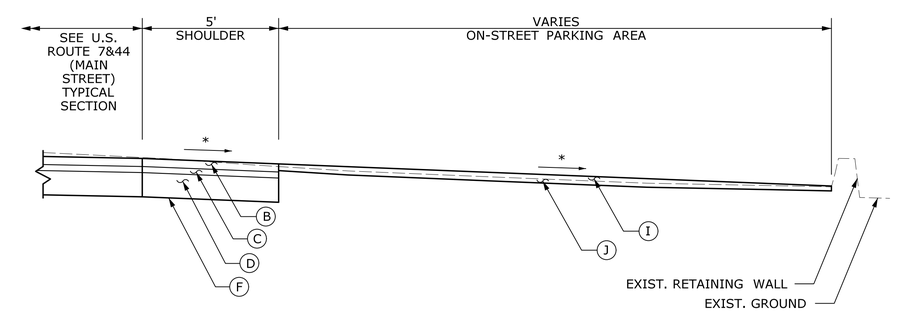
U.S. ROUTE 7&44 (MAIN STREET) STA. 13+90 TO 21+00

NOT TO SCALE



GRANITE AVENUE

NOT TO SCALE



ON-STREET PARKING STA. 13+35 TO 14+25

NOT TO SCALE

* - CONSTANT SLOPE FROM EDGE OF TRAVELWAY (VARIES 4% - 6%)

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

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CHECKED BY: M.F.
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_TYP-01.dgn

SIGNATURE/BLOCK:

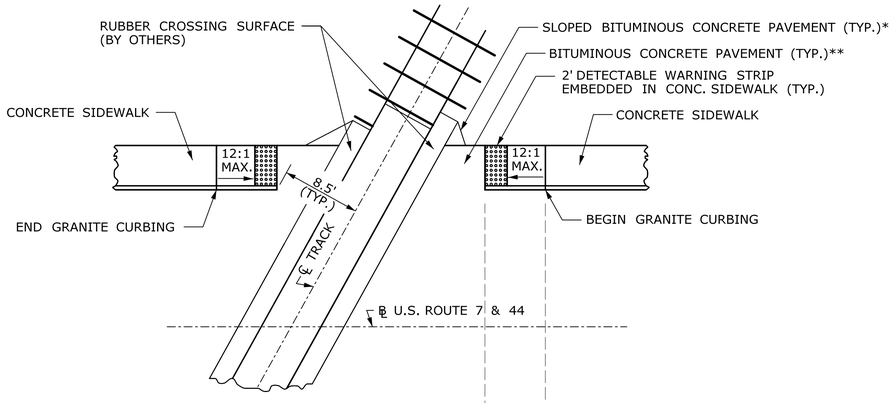
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

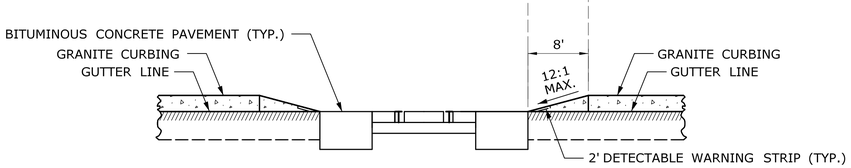
TOWN: NORTH CANAAN

DRAWING TITLE: TYPICAL SECTIONS

PROJECT NO. 99-114/115
DRAWING NO. TYP-01
SHEET NO. 03.02



PLAN VIEW



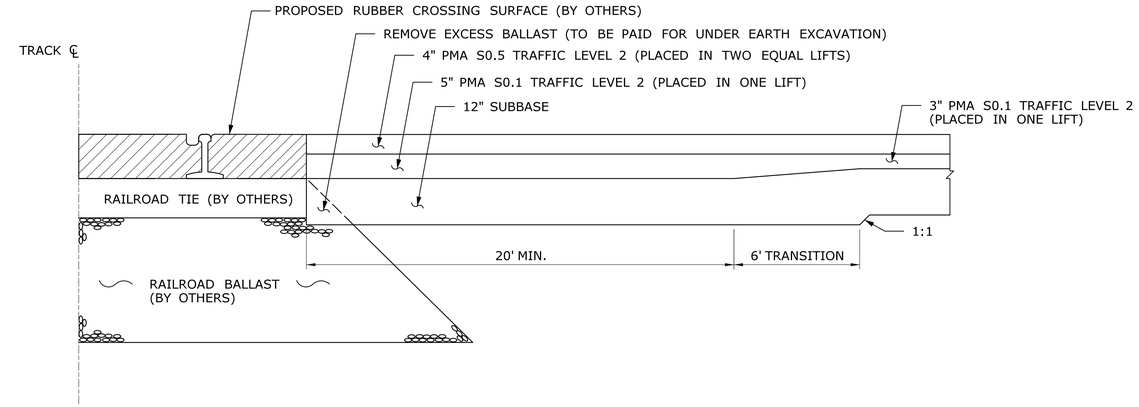
ELEVATION VIEW

SIDEWALK AT RAILROAD CROSSING

NOT TO SCALE

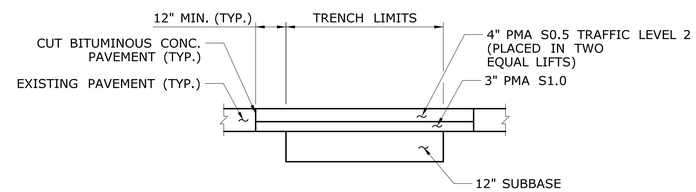
* SEE CONSTRUCTION NOTES ON SHEET PLN-01.

** BITUMINOUS CONCRETE PAVEMENT SHALL HAVE THE SAME COMPOSITION AS THE U.S. ROUTE 7 & 44 TYPICAL SECTION. THE PAVEMENT SHALL BE CONSTUCTED FLUSH WITH THE CONCRETE SIDEWALK AND THE PROPOSED RUBBER CROSSING SURFACE.



TYPICAL HALF SECTION THROUGH EXISTING RUBBER CROSSING SURFACE

NOT TO SCALE

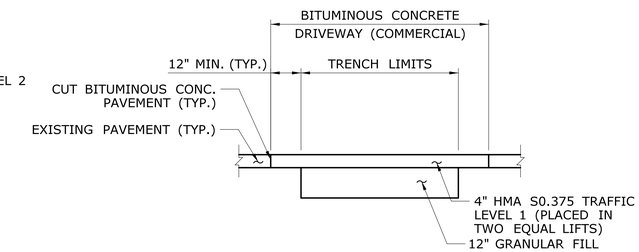


NOTES:

1. "MATERIAL FOR TACK COAT" SHALL BE APPLIED AS PER SECTION 4.06 - BITUMINOUS CONCRETE.
2. MINIMUM PROPOSED PAVEMENT THICKNESS SHALL NOT BE LESS THAN THE EXISTING PAVEMENT THICKNESS.
3. CUT BITUMINOUS CONC. PAVEMENT IS TO BE PAID FOR UNDER THE ITEM "CUT BITUMINOUS CONCRETE PAVEMENT".

PERMANENT PAVEMENT AT ROADWAY

NOT TO SCALE

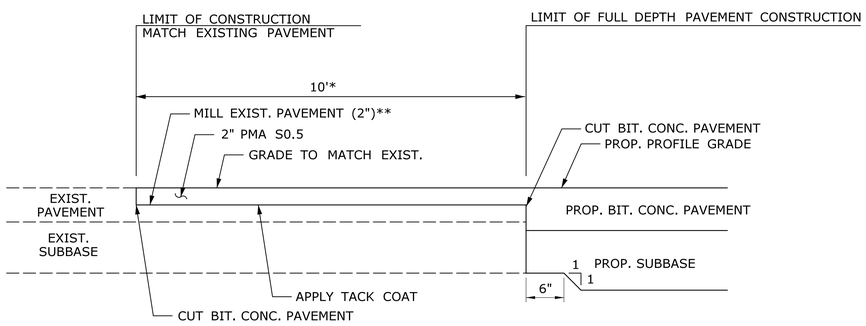


NOTES:

1. "MATERIAL FOR TACK COAT" SHALL BE APPLIED AS PER SECTION 4.06 - BITUMINOUS CONCRETE.
2. MINIMUM PROPOSED PAVEMENT THICKNESS SHALL NOT BE LESS THAN THE EXISTING PAVEMENT THICKNESS.
3. CUT BITUMINOUS CONC. PAVEMENT IS TO BE PAID FOR UNDER THE ITEM "CUT BITUMINOUS CONCRETE PAVEMENT".
4. PERMANENT PAVEMENT AT DRIVEWAY IS TO BE PAID FOR UNDER THE ITEM "BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)"

PERMANENT PAVEMENT AT DRIVEWAY

NOT TO SCALE

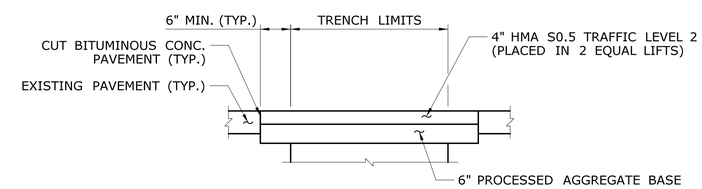


MILL AND OVERLAY DETAIL

NOT TO SCALE

* OR AS SHOWN ON PLANS

** TO BE PAID FOR UNDER THE ITEM "FINE MILLING OF BITUMINOUS CONCRETE (0 - 4")



NOTES:

1. "MATERIAL FOR TACK COAT" SHALL BE APPLIED AS PER SECTION 4.06 - BITUMINOUS CONCRETE.
2. CUT BITUMINOUS CONC. PAVEMENT IS TO BE PAID FOR UNDER THE ITEM "CUT BITUMINOUS CONCRETE PAVEMENT".

TEMPORARY PAVEMENT

NOT TO SCALE

PAVEMENT RECONSTRUCTION DETAILS AT TRENCH

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.

CHECKED BY: M.F.

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_MDS-01.dgn

SIGNATURE/BLOCK:

BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

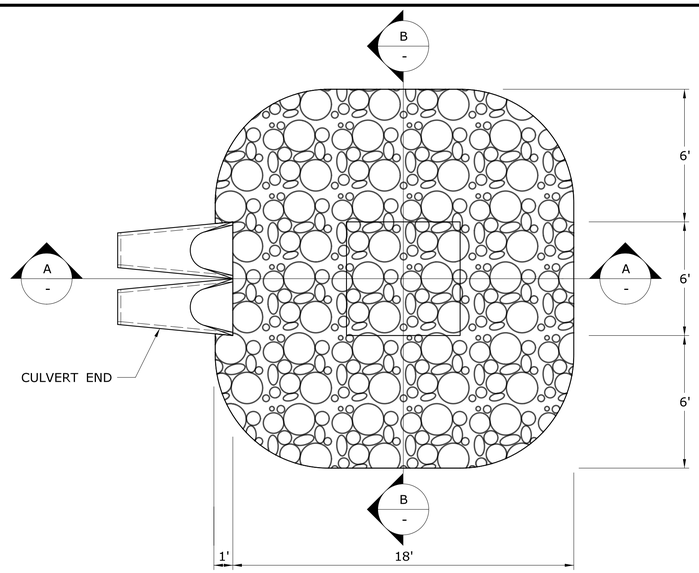
DRAWING TITLE: **MISCELLANEOUS DETAIL SHEET**

PROJECT NO. 99-114/115

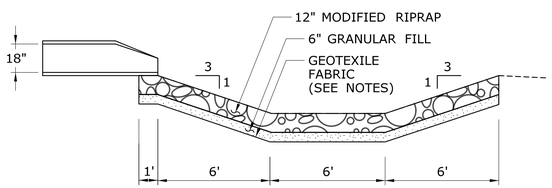
DRAWING NO. MDS-01

SHEET NO. 03.03

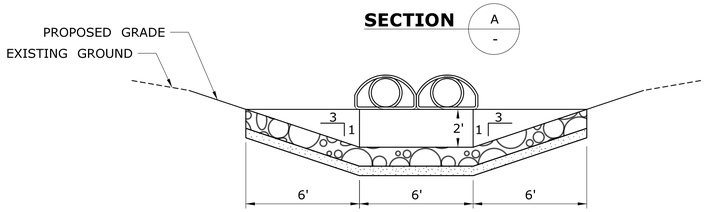
NOTES:
1. THE CONTRACTOR SHALL INSTALL A LAYER OF GEOTEXTILE FABRIC PRIOR TO INSTALLING THE LAYER OF GRANULAR FILL.
2. THE GEOTEXTILE FABRIC SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS & SECTION M.08.01-19 OF THE STANDARD SPECIFICATIONS FORM 817.



PLAN VIEW

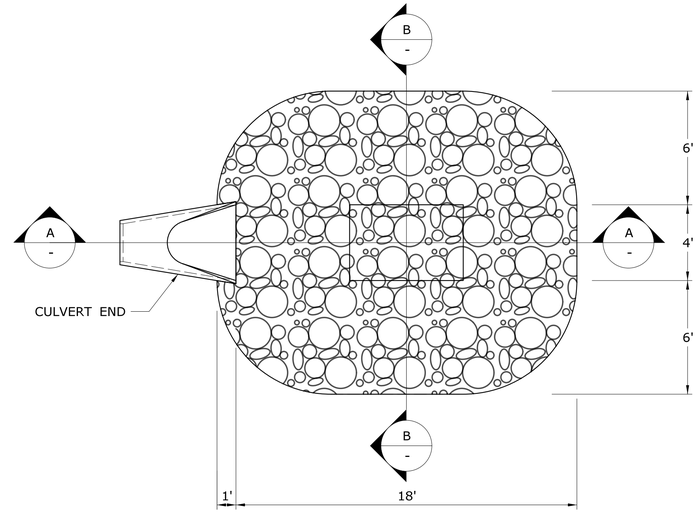


SECTION A -

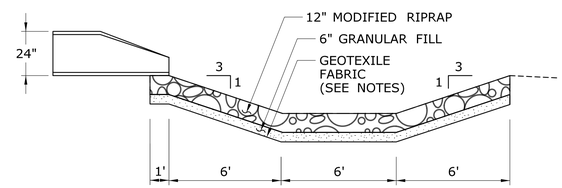


SECTION B -

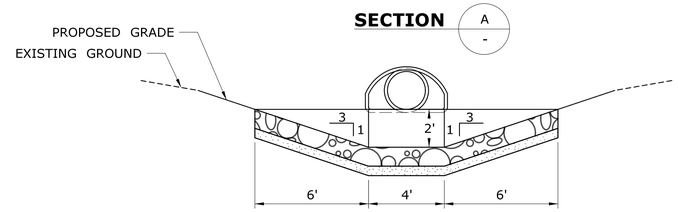
PREFORMED MODIFIED RIPRAP SCOUR HOLE TYPE II - EAST OUTLET
NOT TO SCALE



PLAN VIEW

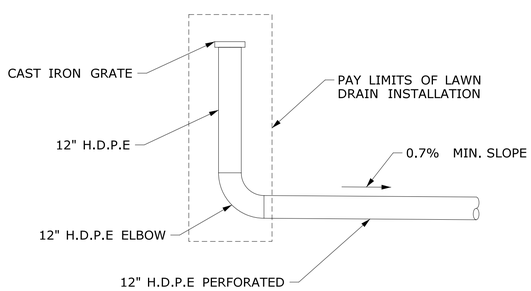


SECTION A -



SECTION B -

PREFORMED MODIFIED RIPRAP SCOUR HOLE TYPE II - WEST CHANNEL
NOT TO SCALE



LAWN DRAIN
NOT TO SCALE

NOTES:
1. THE CONTRACTOR SHALL FURNISH, IN CONFORMANCE WITH SECTION 1.06 - CONTROL OF MATERIALS, FORM 817, PRODUCT CUT SHEETS AND DESCRIPTIVE LITERATURE FOR LAWN DRAINS (INCLUDING THE GRATE SIZE AND STYLE) TO THE ENGINEER FOR APPROVAL.
2. INSTALLATION OF LAWN DRAIN SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS & SECTION 5.07 IN THE STANDARD SPECIFICATIONS FORM 817.
3. GRATE, ELBOW AND VERTICAL H.D.P.E. PIPE TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "LAWN DRAIN."

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.
CHECKED BY: M.F.
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_MDS-02.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

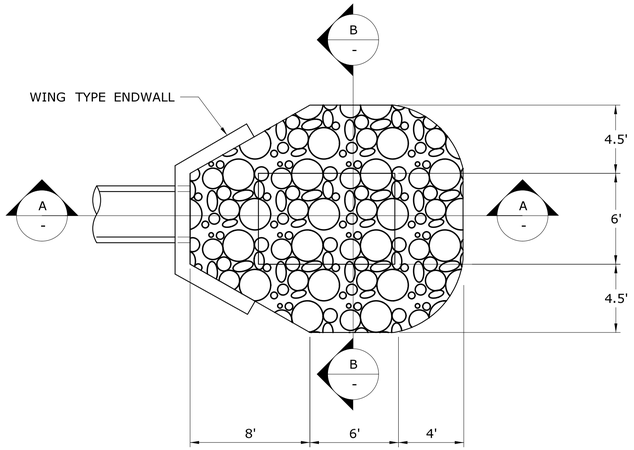
PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

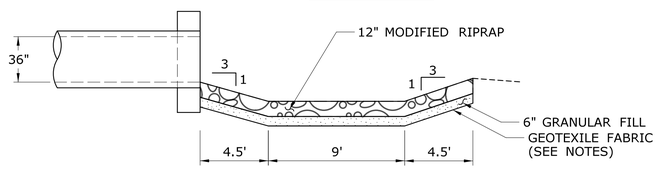
DRAWING TITLE: **MISCELLANEOUS DETAIL SHEET**

PROJECT NO. 99-114/115
DRAWING NO. MDS-02
SHEET NO. 03.04

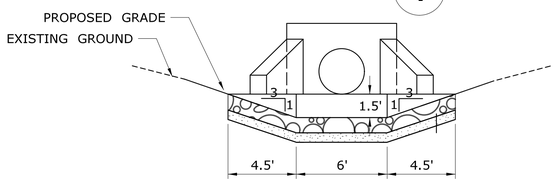
NOTES:
1. THE CONTRACTOR SHALL INSTALL A LAYER OF GEOTEXTILE FABRIC PRIOR TO INSTALLING THE LAYER OF GRANULAR FILL.
2. THE GEOTEXTILE FABRIC SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS & SECTION M.08.01-19 OF THE STANDARD SPECIFICATIONS FORM 817.



PLAN VIEW

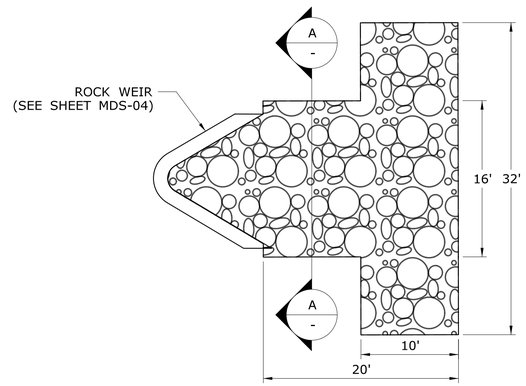


SECTION A

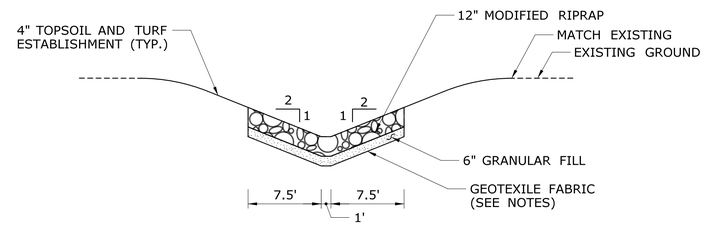


SECTION B

PREFORMED MODIFIED RIPRAP SCOUR HOLE TYPE I
NOT TO SCALE

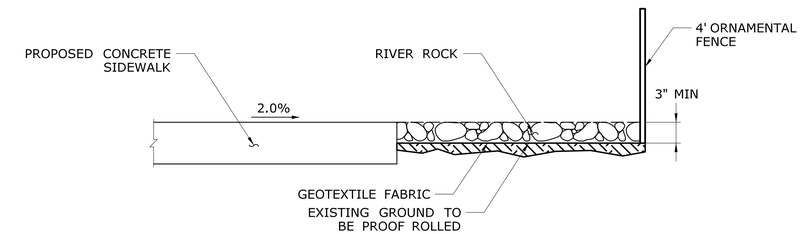


PLAN VIEW

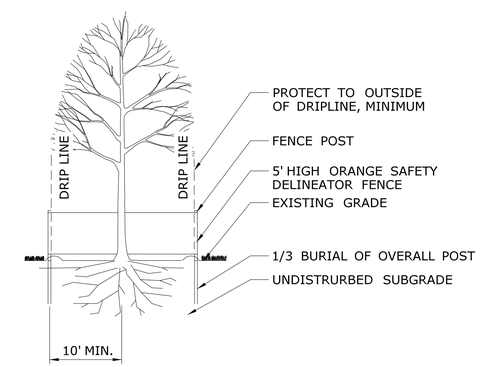


SECTION A

MODIFIED RIPRAP CHANNEL OUTLET
NOT TO SCALE



RIVER ROCK
N.T.S.



NOTES:

1) COORDINATE LOCATION OF FENCE WITH THE ENGINEER.

TREE PROTECTION FENCING
N.T.S.

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SCALE AS NOTED

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Filename: ...\HW_MSH_99-114-115_MDS-03.dgn

SIGNATURE/BLOCK:

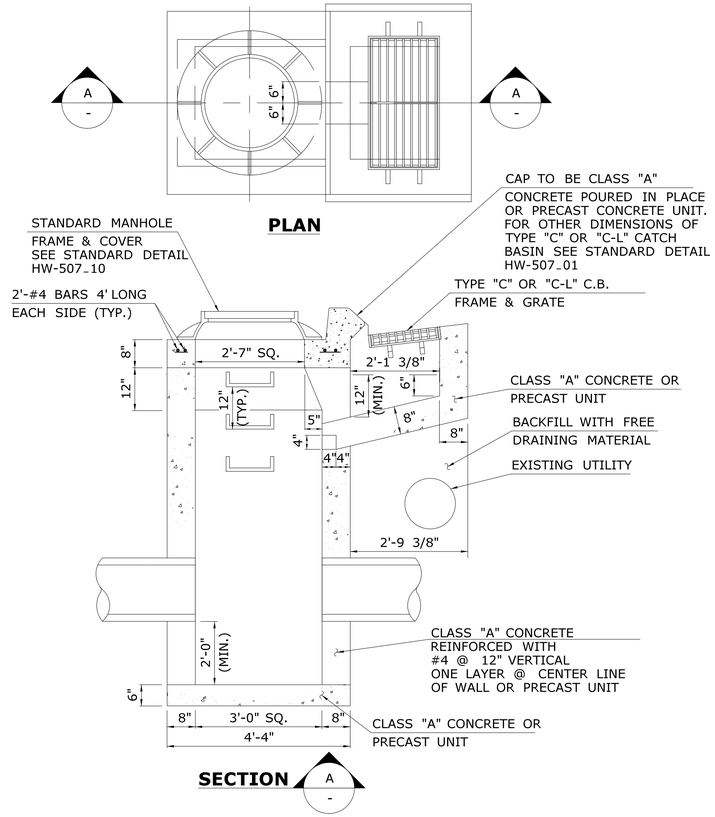
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: NORTH CANAAN

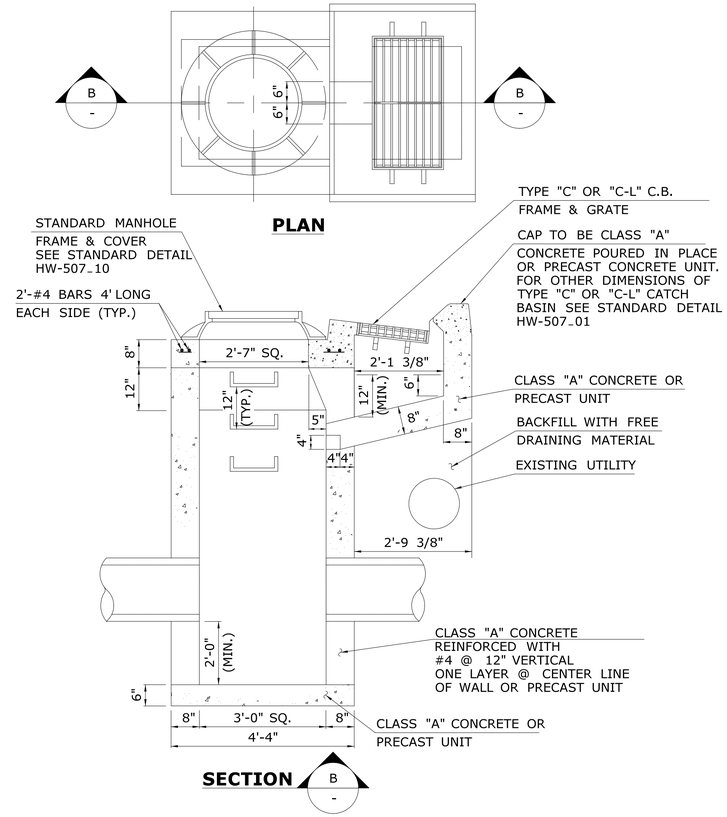
DRAWING TITLE: MISCELLANEOUS DETAIL SHEET

PROJECT NO. 99-114/115
DRAWING NO. MDS-03
SHEET NO. 03.05



TYPE "C" CATCH BASIN - OFFSET A

NOT TO SCALE



TYPE "C" CATCH BASIN - OFFSET B

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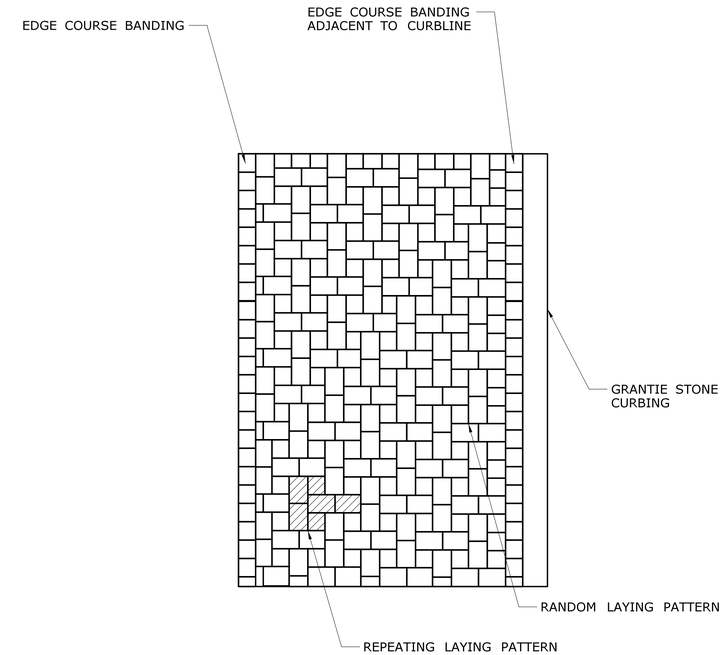
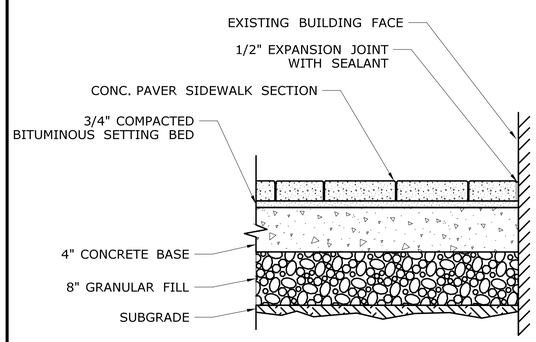


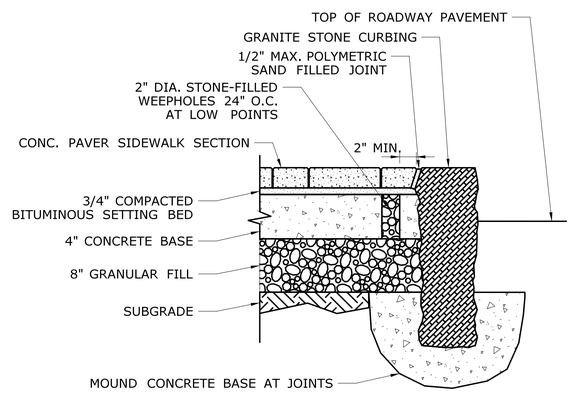
CONC. PAVER LAYING PATTERN

NOT TO SCALE



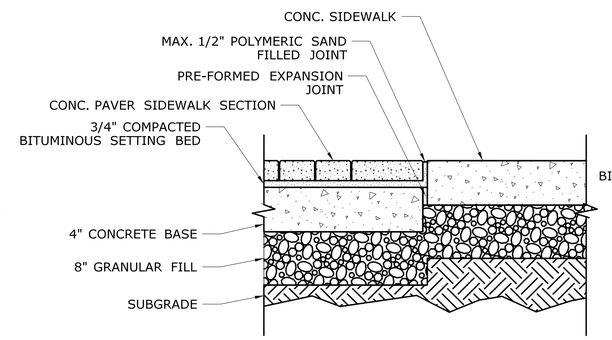
CONC. PAVER SIDEWALK AT EXISTING BUILDING

NOT TO SCALE



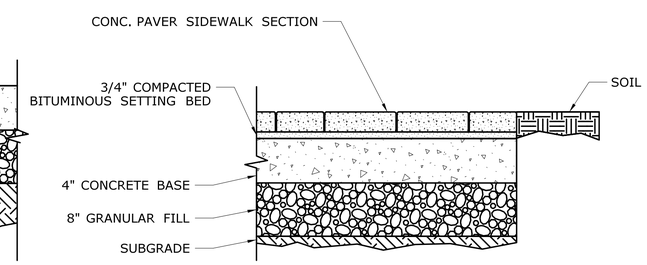
CONC. PAVER WALK AT GRANITE STONE CURBING

NOT TO SCALE



CONC. PAVER WALK AT CONCRETE SIDEWALK

NOT TO SCALE



CONC. PAVER WALK AT SOIL

NOT TO SCALE

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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.

CHECKED BY: M.F.

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ..\HW_MSH_99-114-115_MDS-04.dgn

SIGNATURE/BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

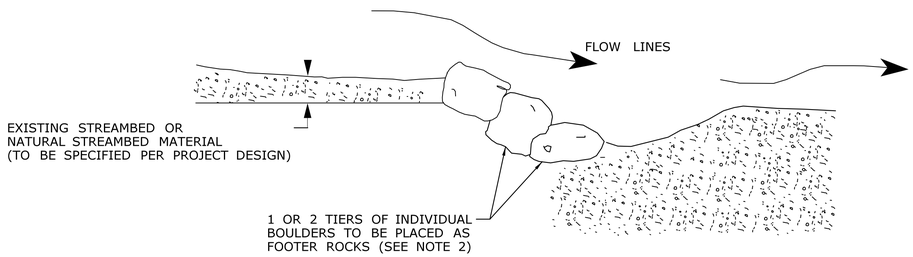
TOWN: NORTH CANAAN

DRAWING TITLE: MISCELLANEOUS DETAIL SHEET

PROJECT NO. 99-114/115

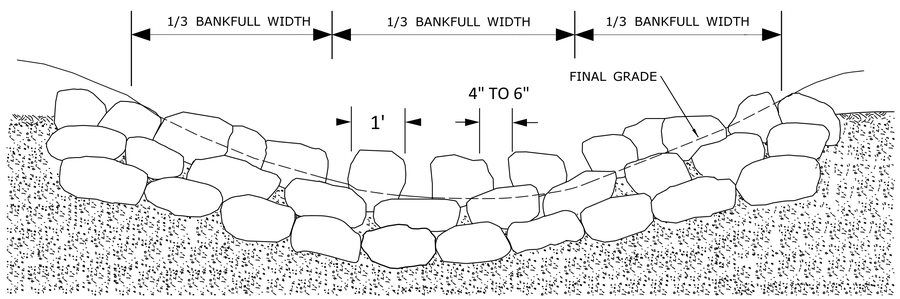
DRAWING NO. MDS-04

SHEET NO. 03.06



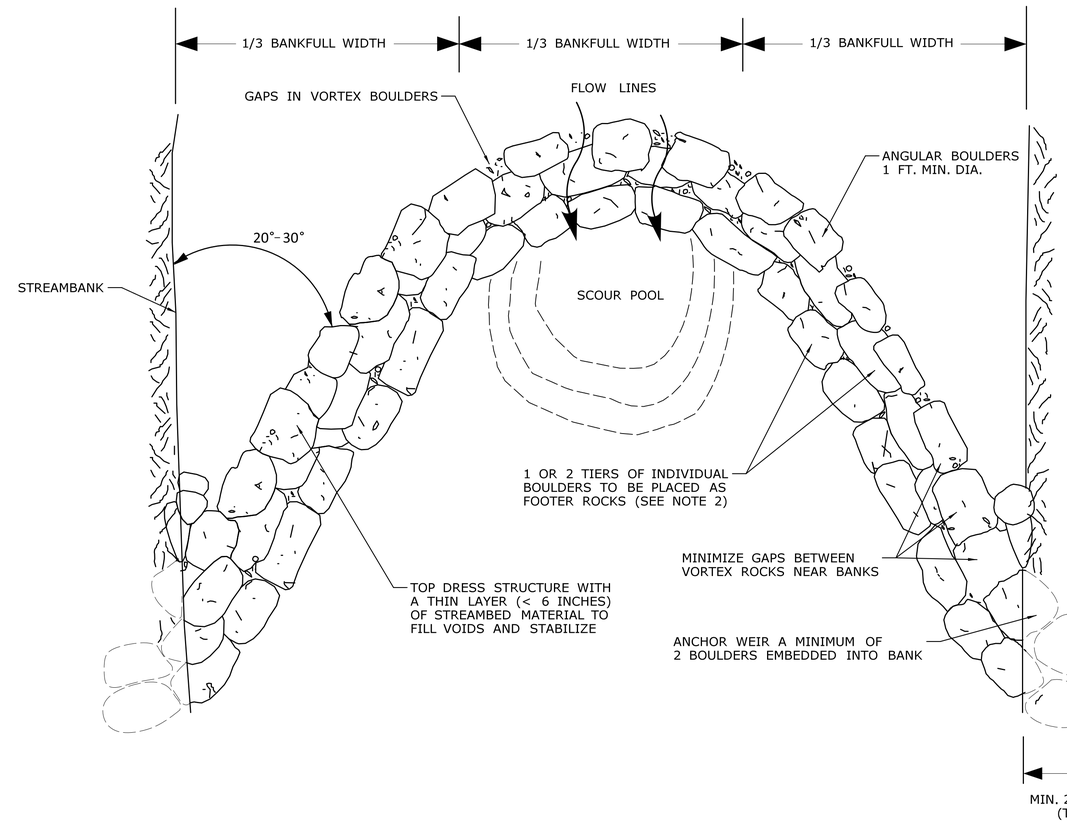
ROCK WEIR - PROFILE VIEW

N.T.S.



ROCK WEIR - SECTION VIEW (UPSTREAM)

N.T.S.



ROCK WEIR - PLAN VIEW

N.T.S.

NOTE:

1. PLACEMENT OF THE ROCK WEIR SHALL BE DIRECTED IN THE FIELD BY THE ENGINEER OR THEIR AUTHORIZED DELEGATE. SEE SPECIAL PROVISION "ROCK WEIR".

2. FOOTER ROCKS SHALL SERVE AS THE FOUNDATION FOR THE TOP LAYER OF THE WEIR. FOOTER ROCKS SHALL HAVE REASONABLE FLAT TOPS AND BOTTOMS TO ENABLE BETTER PLACEMENT OF THE TOP LAYER OF THE WEIR.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: **J.H.E.**

CHECKED BY: **M.F.**

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_MDS-05.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

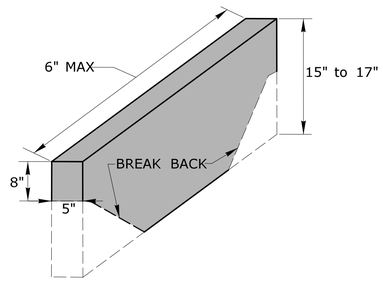
TOWN: **NORTH CANAAN**

DRAWING TITLE: **MISCELLANEOUS DETAIL SHEET**

PROJECT NO. **99-114/115**

DRAWING NO. **MDS-05**

SHEET NO. **03.07**



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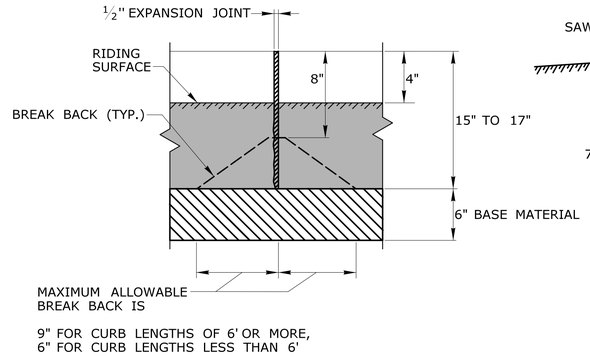
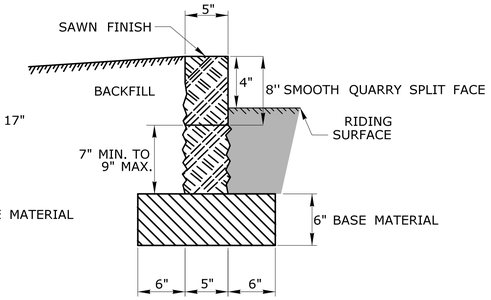


ELEVATION

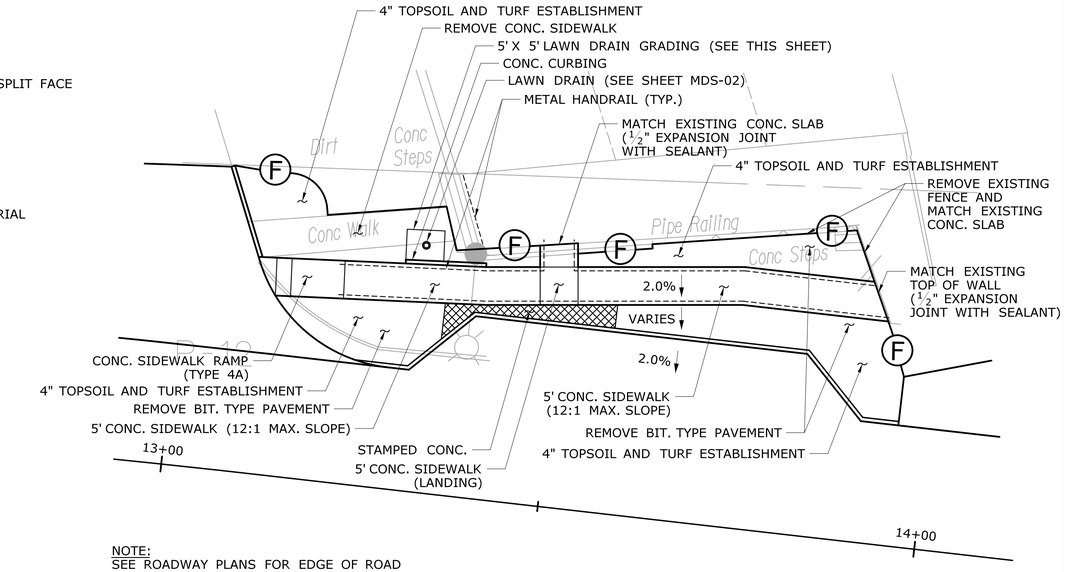


SECTION

NOTE:
GRANITE CURB (4" REVEAL) IS TO BE PAID FOR UNDER ITEM 0813021 - 6" GRANITE STONE CURBING

GRANTIE CURB (4" REVEAL)

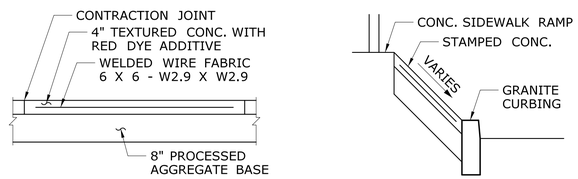
NOT TO SCALE



NOTE:
SEE ROADWAY PLANS FOR EDGE OF ROAD LAYOUT AND DIMENSIONS.

CONC. SIDEWALK RAMP WITH HANDRAIL

SCALE: 1" = 10'

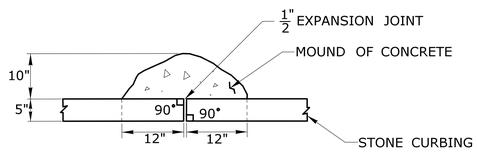


ELEVATION **SECTION**

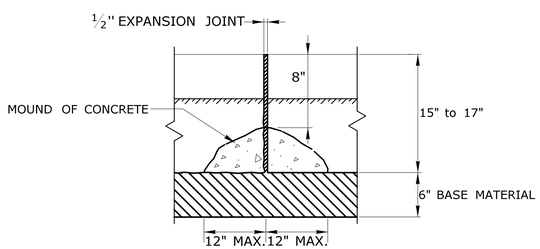
NOTES:
1. CONTRACTOR TO PROVIDE 48" X 48" SAMPLE TO ENGINEER FOR APPROVAL.
2. CONTRACTION JOINTS SHALL BE SPACED A MAXIMUM OF 15 FEET ON CENTER.

STAMPED CONC.

NOT TO SCALE



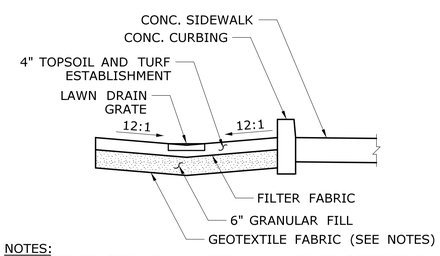
PLAN



BACK ELEVATION

MOUND OF CONCRETE AT ALL JOINTS FOR STONE CURBING

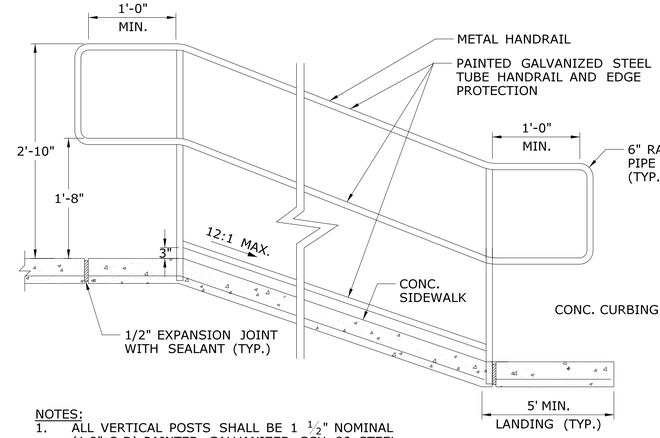
NOT TO SCALE



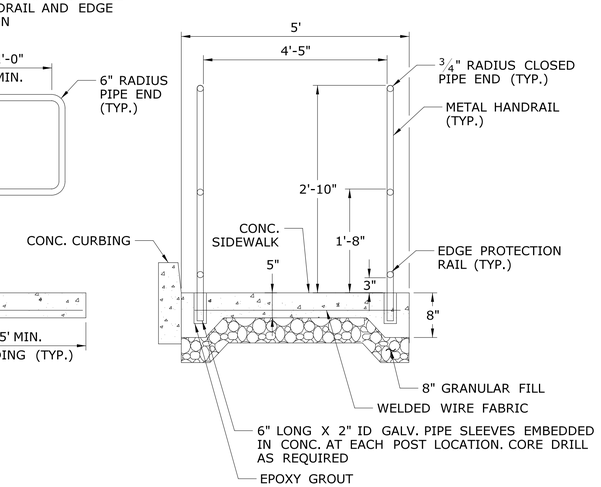
NOTES:
1. THE CONTRACTOR SHALL INSTALL A LAYER OF GEOTEXTILE FABRIC PRIOR TO INSTALLING THE LAYER OF GRANULAR FILL.
2. THE GEOTEXTILE FABRIC SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS & SECTION M.08.01-19 OF THE STANDARD SPECIFICATIONS FORM 817.

LAWN DRAIN GRADING

NOT TO SCALE



NOTES:
1. ALL VERTICAL POSTS SHALL BE 1 ½" NOMINAL (1.9" O.D) PAINTED GALVANIZED SCH. 80 STEEL PIPE AT 4'-0" O.C. MAX. POSTS SHALL BE SET IN EPOXY GROUT.
2. ALL HANDRAILS SHALL BE 1 ¼" NOMINAL (1.66" O.D.) PAINTED GALVANIZED SCH. 80 STEEL PIPE. TYPICAL OF TOP AND MIDDLE RAIL.
3. WELD AND GRIND ALL JOINTS SMOOTH.



CONC. SIDEWALK RAMP WITH HANDRAIL DETAIL

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.
CHECKED BY: M.F.
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_MDS-06.dgn

SIGNATURE/BLOCK:

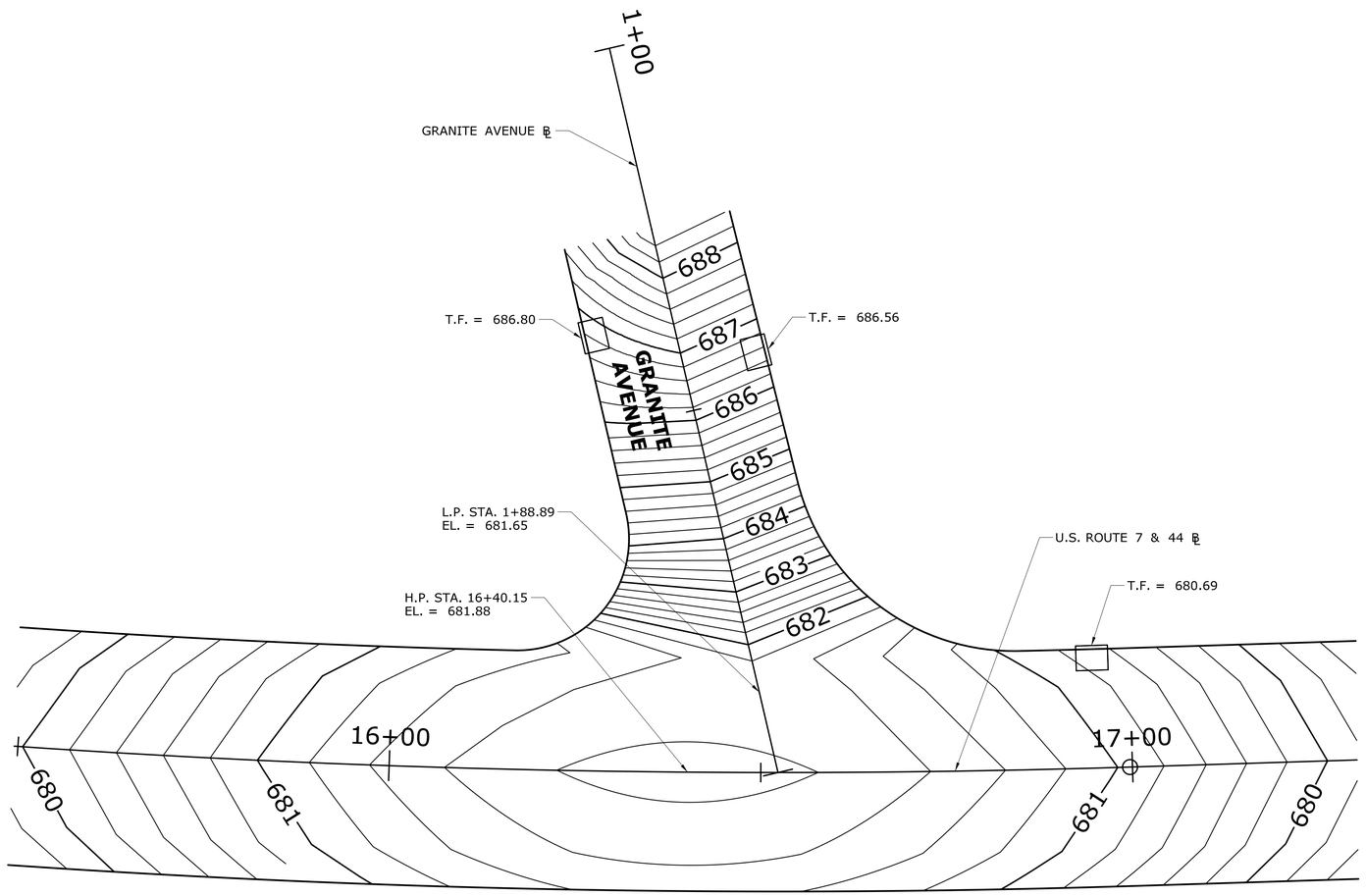
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **MISCELLANEOUS DETAIL SHEET**

PROJECT NO. 99-114/115
DRAWING NO. MDS-06
SHEET NO. 03.08



GRANITE AVENUE INTERSECTION GRADING PLAN

CONTOUR INTERVAL = 0.20'

LEGEND

——XXX—— PROPOSED MAJOR CONTOUR

———— PROPOSED MINOR CONTOUR

CONSTRUCTION NOTES

1. CATCH BASIN TOP ELEVATIONS REFER TO THE GUTTER LINE ELEVATION. SEE STANDARD DETAIL SHEETS TO DETERMINE REQUIRED DEPRESSION.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: C.L.M.

CHECKED BY: M.F.

SCALE IN FEET 0 10 20

SCALE 1"=10'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_IGP-01.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT No. 21718 REGISTERED PROFESSIONAL ENGINEER

BL Companies

BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

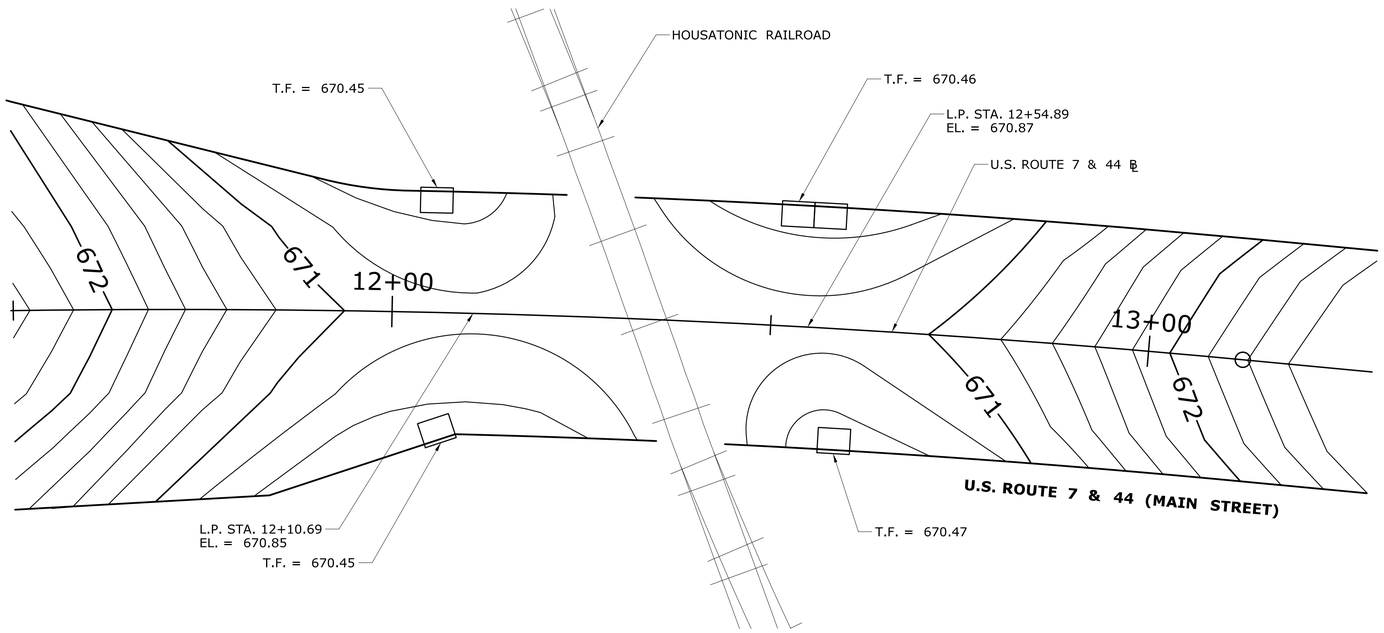
TOWN: NORTH CANAAN

DRAWING TITLE: INTERSECTION GRADING PLAN

PROJECT NO. 99-114

DRAWING NO. IGP-01

SHEET NO. 03.09



WESTERLY CROSSING INTERSECTION GRADING PLAN

CONTOUR INTERVAL = 0.20'

LEGEND

——— XXX ——— PROPOSED MAJOR CONTOUR

——————— PROPOSED MINOR CONTOUR

CONSTRUCTION NOTES

1. CATCH BASIN TOP ELEVATIONS REFER TO THE GUTTER LINE ELEVATION. SEE STANDARD DETAIL SHEETS TO DETERMINE REQUIRED DEPRESSION.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: C.L.M.
CHECKED BY: M.F.
SCALE IN FEET 0 10 20
SCALE 1"=10'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_IGP-02.dgn

SIGNATURE/BLOCK:

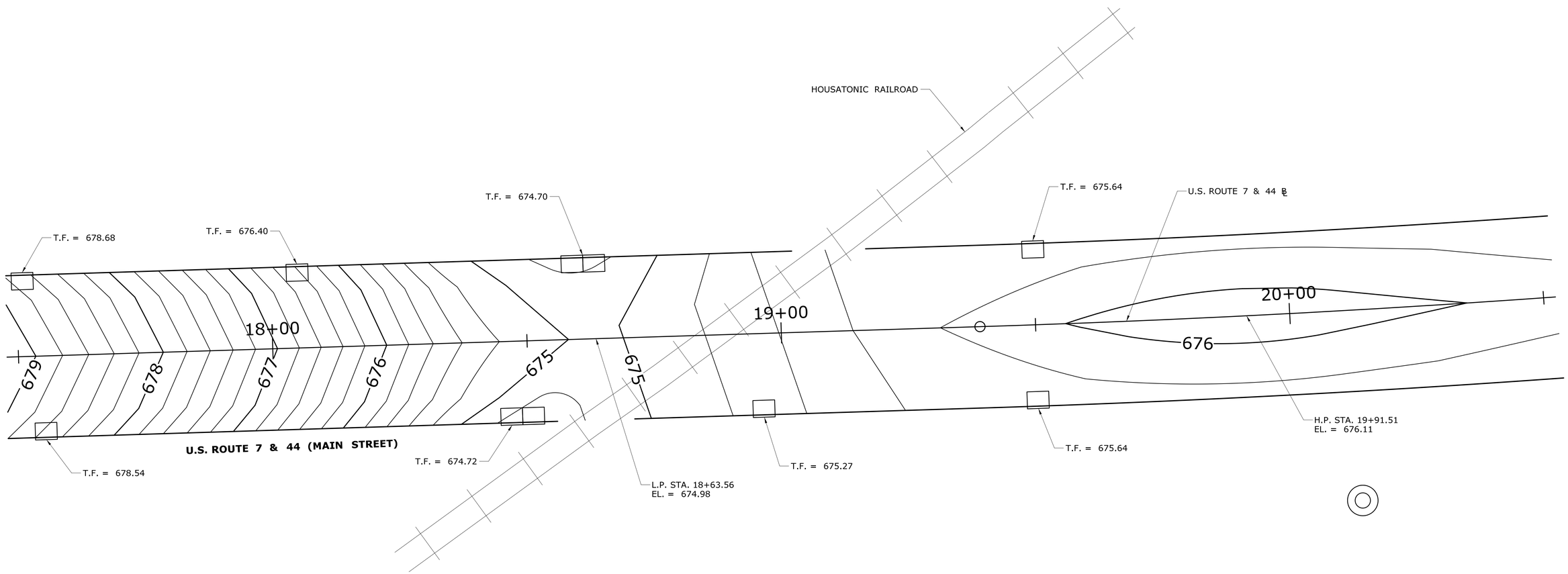
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: NORTH CANAAN

DRAWING TITLE: INTERSECTION GRADING PLAN

PROJECT NO. 99-115
DRAWING NO. IGP-02
SHEET NO. 03.10



EASTERLY CROSSING INTERSECTION GRADING PLAN

CONTOUR INTERVAL = 0.20'

LEGEND

——XXX——	PROPOSED MAJOR CONTOUR
————	PROPOSED MINOR CONTOUR

CONSTRUCTION NOTES

1. CATCH BASIN TOP ELEVATIONS REFER TO THE GUTTER LINE ELEVATION. SEE STANDARD DETAIL SHEETS TO DETERMINE REQUIRED DEPRESSION.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: C.L.M.
CHECKED BY: M.F.
SCALE IN FEET 0 10 20
SCALE 1"=10'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_IGP-03.dgn

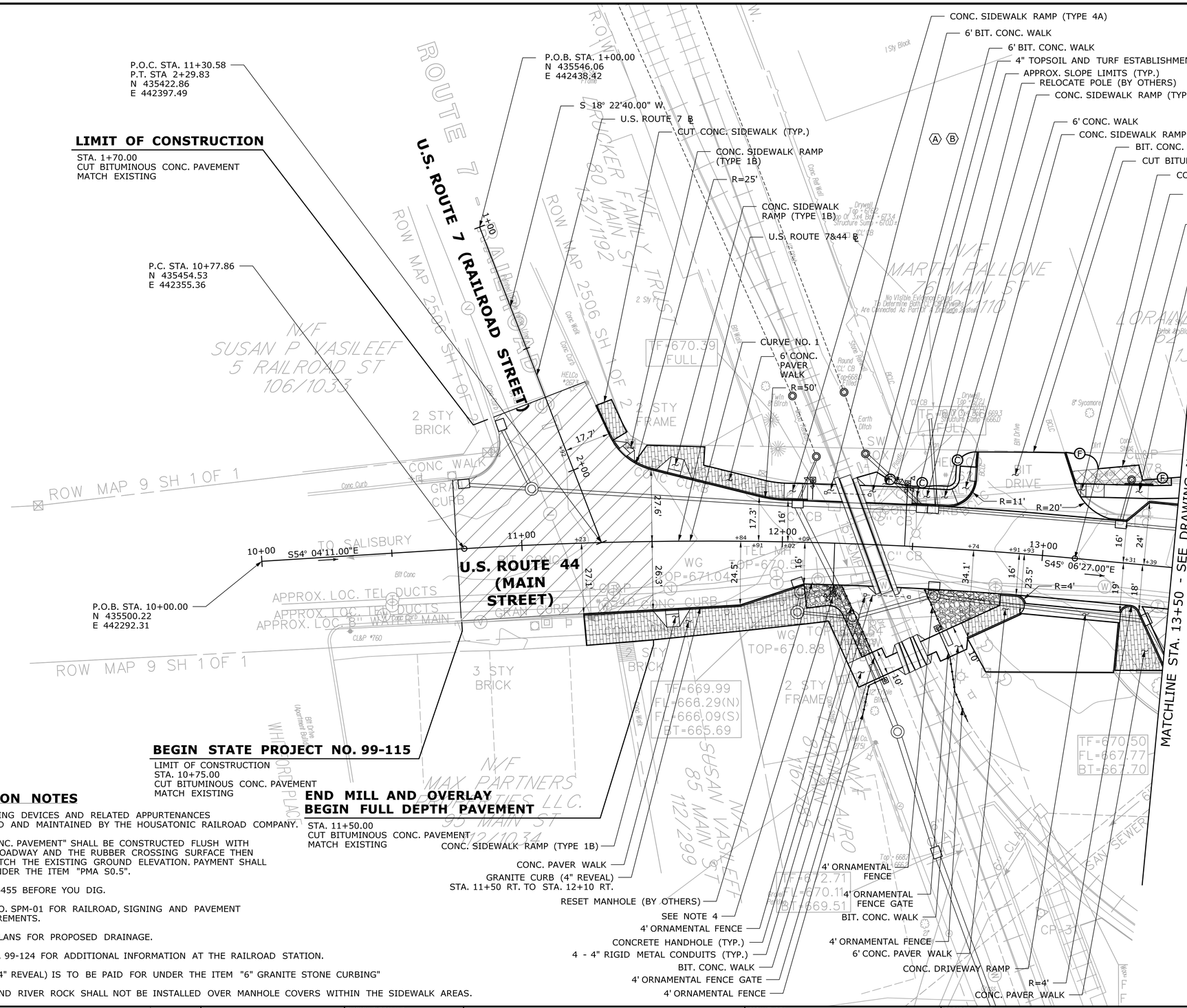
SIGNATURE/BLOCK:
STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER No. 21178
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: NORTH CANAAN

DRAWING TITLE: INTERSECTION GRADING PLAN

PROJECT NO. 99-114
DRAWING NO. IGP-03
SHEET NO. 03.11



CURBING TABLE				
CURBING TYPE	START STA.	START OFFSET	END STA.	END OFFSET
GRANITE	1+80	17' LT	1+99	19' LT
GRANITE	11+46	33' LT	12+00	16' LT
GRANITE	12+58	16' LT	12+66	17' LT
BCLC	12+73	32' LT	12+73	40' LT
BCLC	13+05	40' LT	13+29	16' LT
GRANITE	13+29	16' LT	13+50	24' LT
CONC.	13+29	30' LT	13+40	31' LT
GRANITE	11+23	27' RT	12+09	16' RT
GRANITE	12+85	16' RT	12+95	19' RT
GRANITE	12+74	34' RT	12+94	23' RT
GRANITE	13+31	41' RT	13+31	23' RT
GRANITE	13+31	19' RT	13+50	37' RT

R.O.W. LEGEND

(A) RIGHT TO CONSTRUCT DRIVEWAY REQUIRED

(B) RIGHT TO GRADE REQUIRED

LEGEND

REMOVE BIT. TYPE PAVEMENT AND PROVIDE 4" TOPSOIL AND TURF ESTABLISHMENT

MILL AND OVERLAY

CONCRETE PAVER WALK

RIVER ROCK AREA

U.S. ROUTE 7 & 44 CURVE DATA

CURVE NO. 1

R = 1500.00'
L = 234.63'
T = 117.56'
DELTA = 8° 57'44.00" RT
P.I. N 435385.55
E 442450.55

CONSTRUCTION NOTES

1. RAILROAD WARNING DEVICES AND RELATED APPURTENANCES TO BE INSTALLED AND MAINTAINED BY THE HOUSATONIC RAILROAD COMPANY.
2. "SLOPED BIT. CONC. PAVEMENT" SHALL BE CONSTRUCTED FLUSH WITH THE ADJACENT ROADWAY AND THE RUBBER CROSSING SURFACE THEN TAPERED TO MATCH THE EXISTING GROUND ELEVATION. PAYMENT SHALL BE INCLUDED UNDER THE ITEM "PMA S0.5".
3. CALL 1-800-922-4455 BEFORE YOU DIG.
4. SEE DRAWING NO. SPM-01 FOR RAILROAD, SIGNING AND PAVEMENT MARKING REQUIREMENTS.
5. SEE DRAINAGE PLANS FOR PROPOSED DRAINAGE.
6. SEE PROJECT NO. 99-124 FOR ADDITIONAL INFORMATION AT THE RAILROAD STATION.
7. GRANITE CURB (4" REVEAL) IS TO BE PAID FOR UNDER THE ITEM "6" GRANITE STONE CURBING"
8. BRICK PAVERS AND RIVER ROCK SHALL NOT BE INSTALLED OVER MANHOLE COVERS WITHIN THE SIDEWALK AREAS.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.
CHECKED BY: M.F.
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_PLN-01.dgn

SIGNATURE/BLOCK:

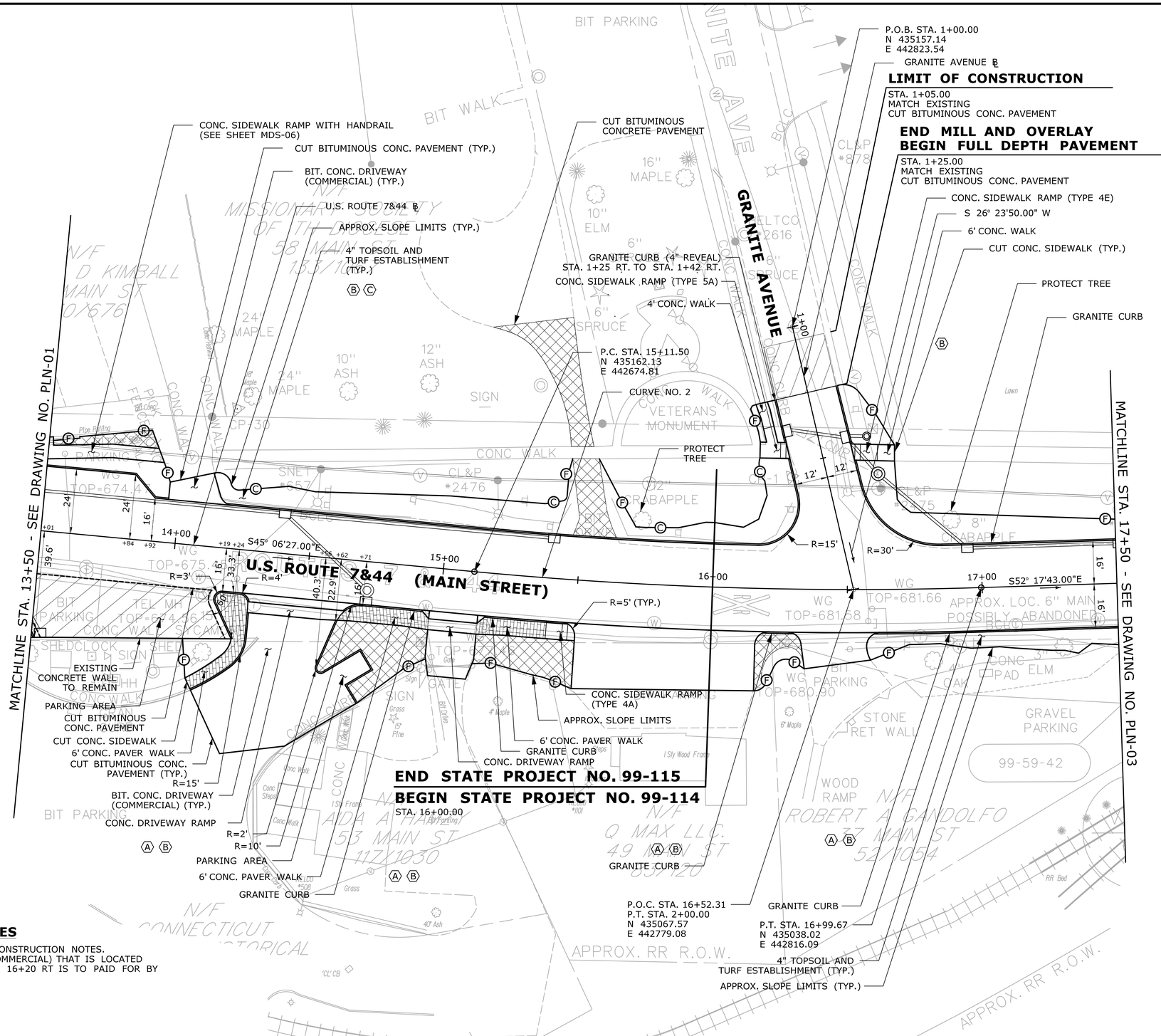
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: NORTH CANAAN

DRAWING TITLE: ROADWAY PLAN

PROJECT NO. 99-115
DRAWING NO. PLN-01
SHEET NO. 03.12



CURBING TABLE				
CURBING TYPE	START STA.	START OFFSET	END STA.	END OFFSET
GRANITE	13+50	23' LT	13+96	16' LT
GRANITE	14+17	16' LT	1+47	12' RT
GRANITE	1+25	12' RT	1+42	12' RT
GRANITE	1+25	12' LT	1+48	12' LT
GRANITE	1+53	12' LT	17+50	16' LT
GRANITE	13+50	24' RT	14+30	19' RT
GRANITE	14+11	54' RT	14+30	23' RT
GRANITE	14+62	23' RT	14+71	53' RT
GRANITE	14+59	16' RT	14+93	16' RT
GRANITE	15+17	16' RT	15+39	16' RT
GRANITE	16+19	16' RT	16+30	16' RT
GRANITE	16+60	16' RT	17+50	16' RT

R.O.W. LEGEND

- (A) RIGHT TO CONSTRUCT DRIVEWAY REQUIRED
- (B) RIGHT TO GRADE REQUIRED
- (C) RIGHTS OF ACCESS REQUIRED

LEGEND

- REMOVE BIT. TYPE PAVEMENT AND PROVIDE 4" TOPSOIL AND TURF ESTABLISHMENT
- MILL AND OVERLAY
- CONCRETE PAVER WALK

U.S. ROUTE 7 & 44 CURVE DATA

CURVE NO. 2

R = 1500.00'
L = 188.18'
T = 94.21'
DELTA = 7° 11'16.00" LT
P.I. N 435095.64
E 442741.55

CONSTRUCTION NOTES

1. SEE SHEET NO. PLN-01 FOR CONSTRUCTION NOTES.
2. THE BIT. CONC. DRIVEWAY (COMMERCIAL) THAT IS LOCATED BETWEEN STA. 15+50 RT AND 16+20 RT IS TO PAID FOR BY PROJECT NO. 99-115.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.
CHECKED BY: M.F.
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_PLN-02.dgn

SIGNATURE/BLOCK:
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

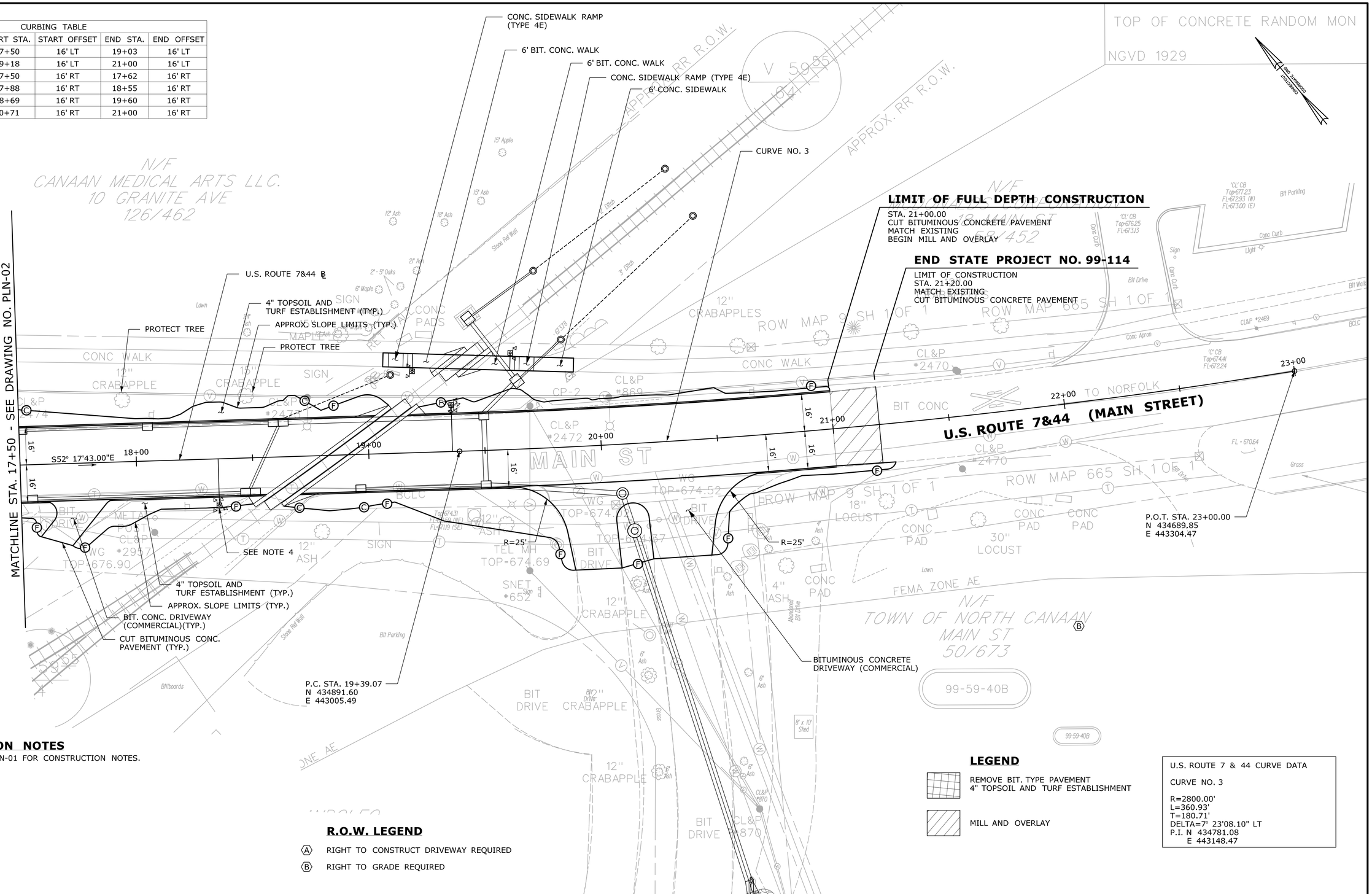
PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: NORTH CANAAN

DRAWING TITLE: ROADWAY PLAN

PROJECT NO. 99-114/115
DRAWING NO. PLN-02
SHEET NO. 03.13

CURBING TABLE				
CURBING TYPE	START STA.	START OFFSET	END STA.	END OFFSET
GRANITE	17+50	16' LT	19+03	16' LT
GRANITE	19+18	16' LT	21+00	16' LT
GRANITE	17+50	16' RT	17+62	16' RT
GRANITE	17+88	16' RT	18+55	16' RT
GRANITE	18+69	16' RT	19+60	16' RT
GRANITE	20+71	16' RT	21+00	16' RT



CONSTRUCTION NOTES

1. SEE SHEET NO. PLN-01 FOR CONSTRUCTION NOTES.

R.O.W. LEGEND

(A) RIGHT TO CONSTRUCT DRIVEWAY REQUIRED

(B) RIGHT TO GRADE REQUIRED

LEGEND

REMOVE BIT. TYPE PAVEMENT
4" TOPSOIL AND TURF ESTABLISHMENT

MILL AND OVERLAY

U.S. ROUTE 7 & 44 CURVE DATA

CURVE NO. 3

R=2800.00'
L=360.93'
T=180.71'
DELTA=7° 23'08.10" LT
P.I. N 434781.08
E 443148.47

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.
CHECKED BY: M.F.
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_PLN-03.dgn

SIGNATURE/BLOCK:

BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

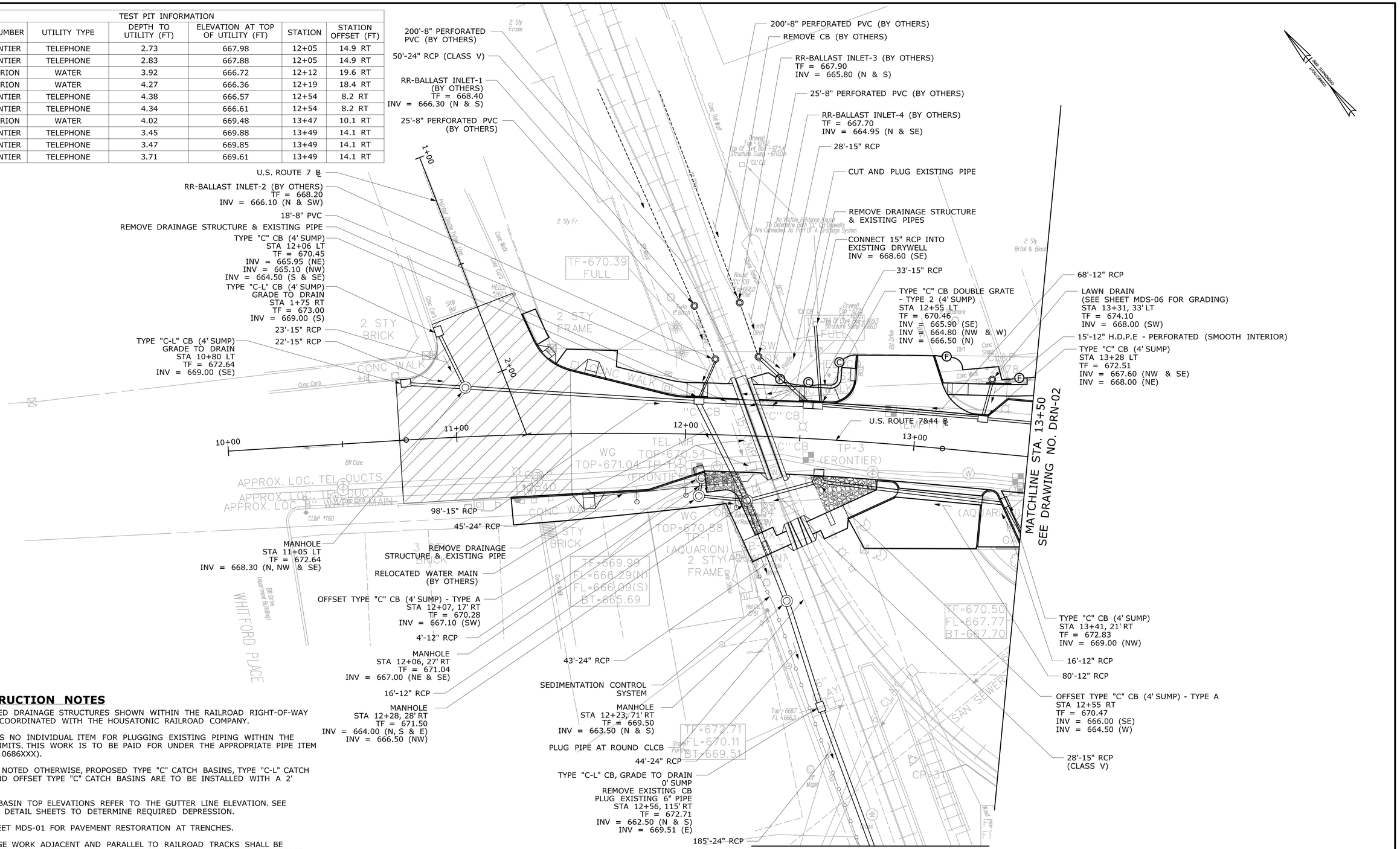
PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: NORTH CANAAN

DRAWING TITLE: ROADWAY PLAN

PROJECT NO. 99-114
DRAWING NO. PLN-03
SHEET NO. 03.14

TEST PIT INFORMATION					
TEST PIT NUMBER	UTILITY TYPE	DEPTH TO UTILITY (FT)	ELEVATION AT TOP OF UTILITY (FT)	STATION	STATION OFFSET (FT)
TP-1A FRONTIER	TELEPHONE	2.73	667.98	12+05	14.9 RT
TP-1B FRONTIER	TELEPHONE	2.83	667.88	12+05	14.9 RT
TP-1 AQUERION	WATER	3.92	666.72	12+12	19.6 RT
TP-2 AQUERION	WATER	4.27	666.36	12+19	18.4 RT
TP-3A FRONTIER	TELEPHONE	4.38	666.57	12+54	8.2 RT
TP-3B FRONTIER	TELEPHONE	4.34	666.61	12+54	8.2 RT
TP-3 AQUERION	WATER	4.02	669.48	13+47	10.1 RT
TP-5A FRONTIER	TELEPHONE	3.45	669.88	13+49	14.1 RT
TP-5B FRONTIER	TELEPHONE	3.47	669.85	13+49	14.1 RT
TP-5C FRONTIER	TELEPHONE	3.71	669.61	13+49	14.1 RT



CONSTRUCTION NOTES

1. PROPOSED DRAINAGE STRUCTURES SHOWN WITHIN THE RAILROAD RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HOUSATONIC RAILROAD COMPANY.

2. THERE IS NO INDIVIDUAL ITEM FOR PLUGGING EXISTING PIPING WITHIN THE PROJECT LIMITS. THIS WORK IS TO BE PAID FOR UNDER THE APPROPRIATE PIPE ITEM (ITEM NO. 0686XXX).

3. UNLESS NOTED OTHERWISE, PROPOSED TYPE "C" CATCH BASINS, TYPE "C-L" CATCH BASINS, AND OFFSET TYPE "C" CATCH BASINS ARE TO BE INSTALLED WITH A 2' SUMP.

4. CATCH BASIN TOP ELEVATIONS REFER TO THE GUTTER LINE ELEVATION. SEE STANDARD DETAIL SHEETS TO DETERMINE REQUIRED DEPRESSION.

5. SEE SHEET MDS-01 FOR PAVEMENT RESTORATION AT TRENCHES.

6. DRAINAGE WORK ADJACENT AND PARALLEL TO RAILROAD TRACKS SHALL BE COORDINATED WITH THE RAILROAD AND PERFORMED DURING CROSSING SURFACE RECONSTRUCTION. THE RAILROAD SHALL SUSPEND TRAIN SERVICE DURING THIS TIME.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.
CHECKED BY: M.F.
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_DRN-01.dgn

SIGNATURE/BLOCK:
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: NORTH CANAAN

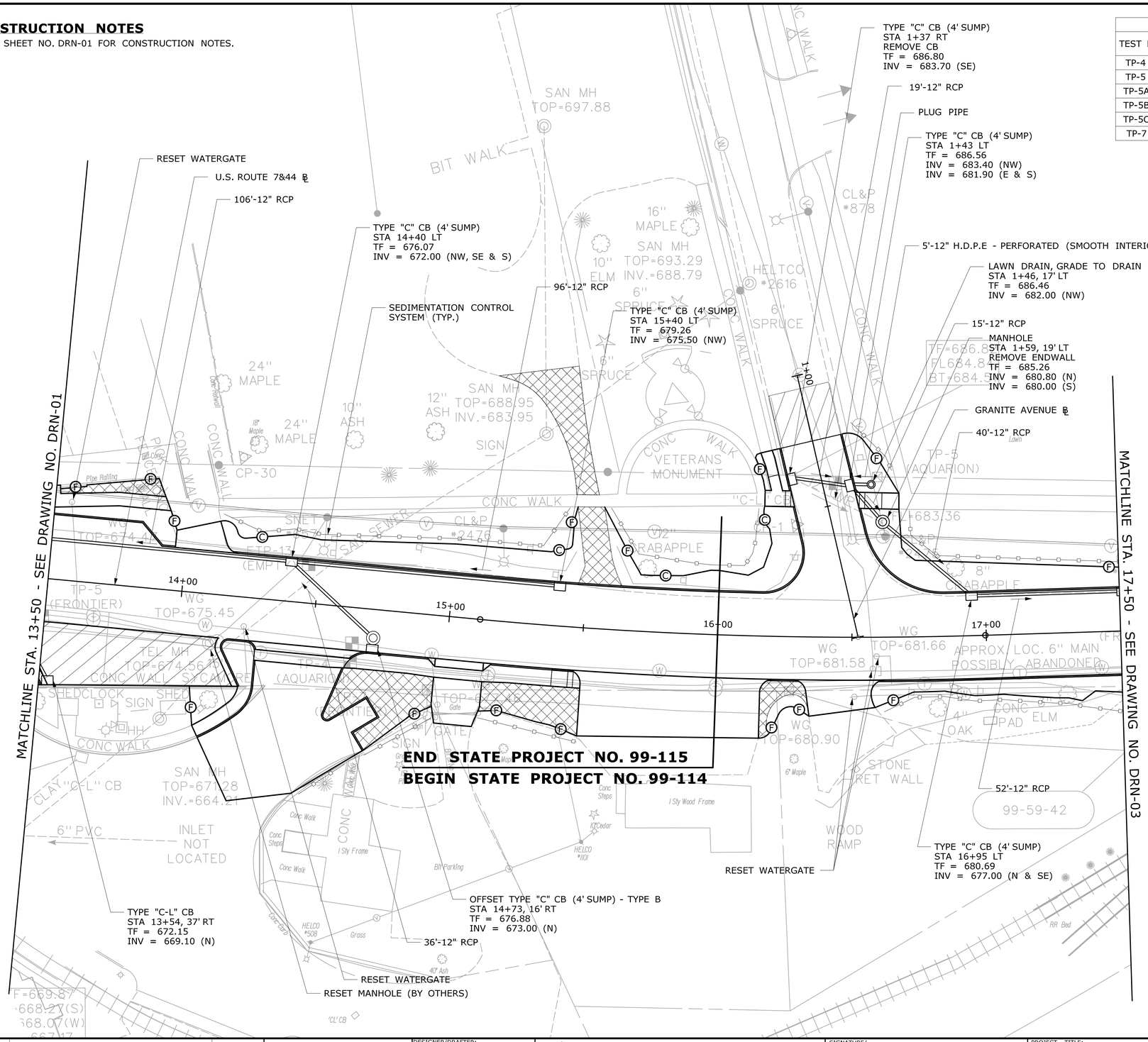
DRAWING TITLE: DRAINAGE PLAN

PROJECT NO. 99-115
DRAWING NO. DRN-01
SHEET NO. 03.15

CONSTRUCTION NOTES

1. SEE SHEET NO. DRN-01 FOR CONSTRUCTION NOTES.

TEST PIT INFORMATION					
TEST PIT NUMBER	UTILITY TYPE	DEPTH TO UTILITY (FT)	ELEVATION AT TOP OF UTILITY (FT)	STATION	STATION OFFSET (FT)
TP-4 AQUERION	WATER	3.76	672.95	14+65	13.3 RT
TP-5 AQUERION	WATER	4.49	682.83	1+42	4.8 LT
TP-5A FRONTIER	TELEPHONE	3.45	669.88	13+49	14.8 RT
TP-5B FRONTIER	TELEPHONE	3.47	669.85	13+49	14.8 RT
TP-5C FRONTIER	TELEPHONE	3.71	669.61	13+49	14.8 RT
TP-7 FRONTIER	TELEPHONE	2.85	673.26	14+65	20.1 RT



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER: **J.H.E.**
CHECKED BY: **M.F.**
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_DRN-02.dgn

SIGNATURE/BLOCK:
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

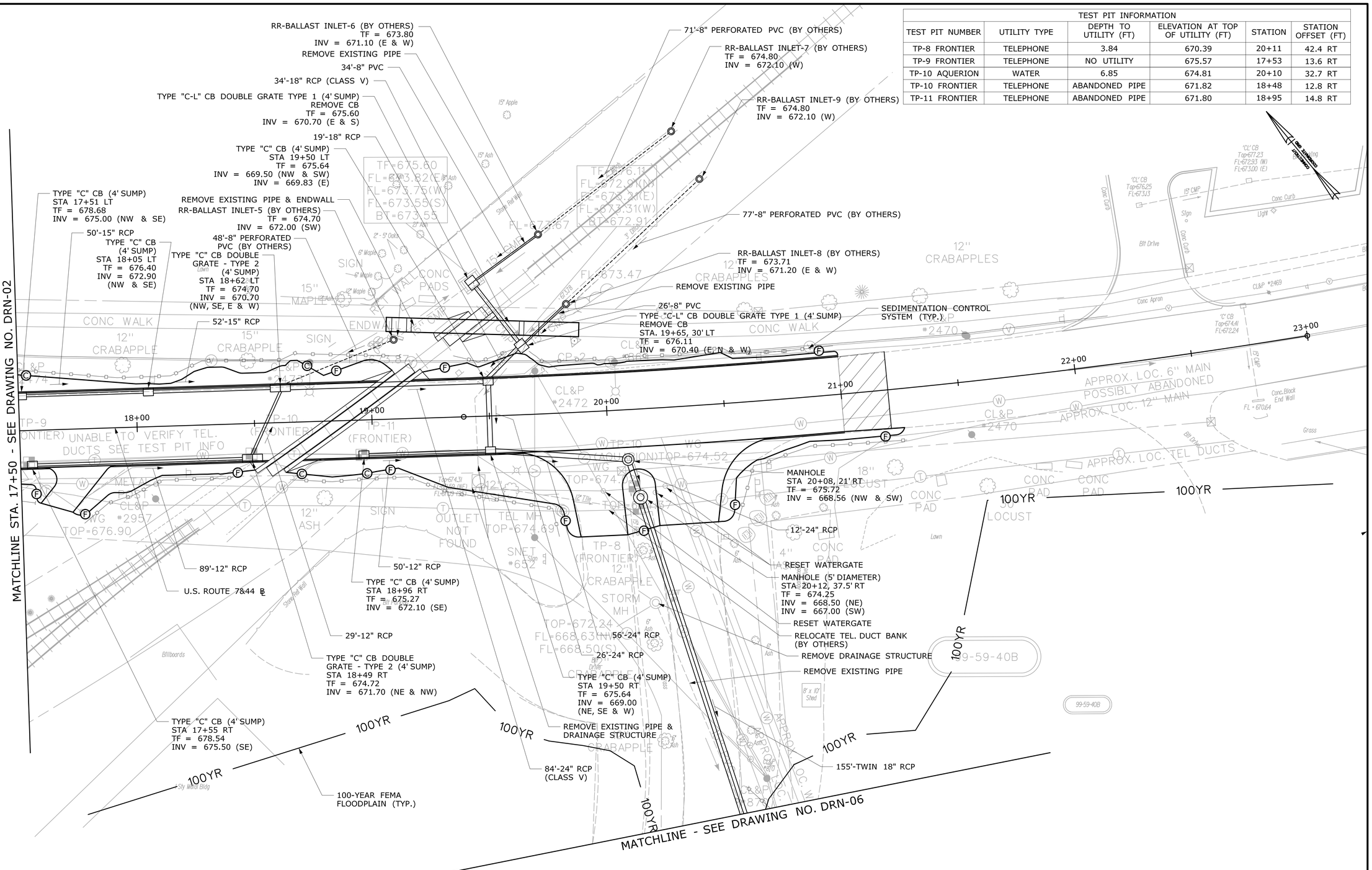
PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS
U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **DRAINAGE PLAN**

PROJECT NO. **99-114/115**
DRAWING NO. **DRN-02**
SHEET NO. **03.16**

TEST PIT INFORMATION					
TEST PIT NUMBER	UTILITY TYPE	DEPTH TO UTILITY (FT)	ELEVATION AT TOP OF UTILITY (FT)	STATION	STATION OFFSET (FT)
TP-8 FRONTIER	TELEPHONE	3.84	670.39	20+11	42.4 RT
TP-9 FRONTIER	TELEPHONE	NO UTILITY	675.57	17+53	13.6 RT
TP-10 AQUERION	WATER	6.85	674.81	20+10	32.7 RT
TP-10 FRONTIER	TELEPHONE	ABANDONED PIPE	671.82	18+48	12.8 RT
TP-11 FRONTIER	TELEPHONE	ABANDONED PIPE	671.80	18+95	14.8 RT



CONSTRUCTION NOTES

1. SEE SHEET NO. DRN-01 FOR CONSTRUCTION NOTES.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER: J.H.E.
CHECKED BY: M.F.
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_DRN-03.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **DRAINAGE PLAN**

PROJECT NO. **99-114**
DRAWING NO. **DRN-03**
SHEET NO. **03.17**

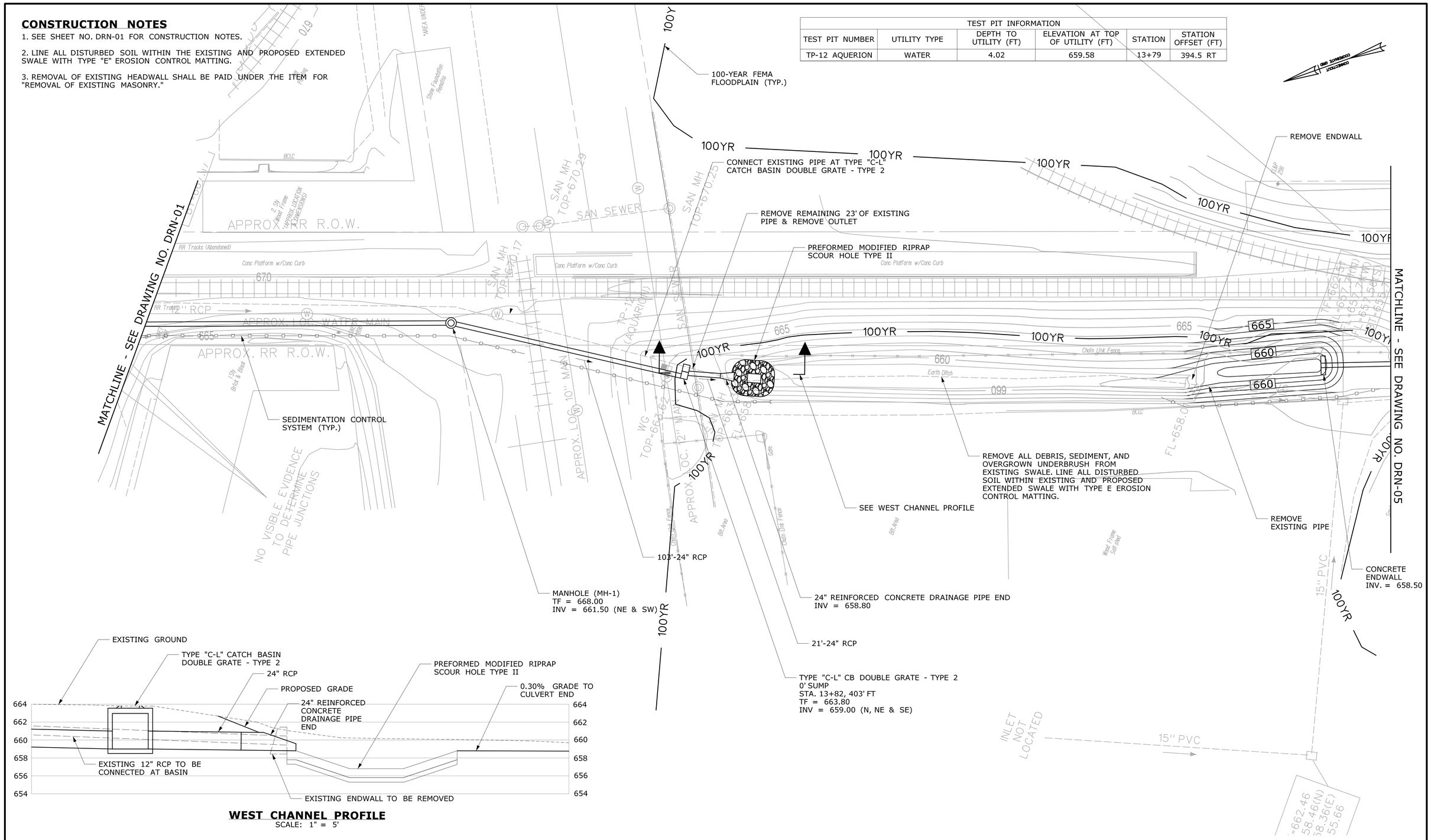
CONSTRUCTION NOTES

1. SEE SHEET NO. DRN-01 FOR CONSTRUCTION NOTES.

2. LINE ALL DISTURBED SOIL WITHIN THE EXISTING AND PROPOSED EXTENDED SWALE WITH TYPE "E" EROSION CONTROL MATTING.

3. REMOVAL OF EXISTING HEADWALL SHALL BE PAID UNDER THE ITEM FOR "REMOVAL OF EXISTING MASONRY."

TEST PIT INFORMATION					
TEST PIT NUMBER	UTILITY TYPE	DEPTH TO UTILITY (FT)	ELEVATION AT TOP OF UTILITY (FT)	STATION	STATION OFFSET (FT)
TP-12 AQUERION	WATER	4.02	659.58	13+79	394.5 RT



WEST CHANNEL PROFILE
SCALE: 1" = 5'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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DESIGNER/DRAFTER: **J.H.E.**
CHECKED BY: **M.F.**
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_DRN-04.dgn

SIGNATURE/BLOCK:
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

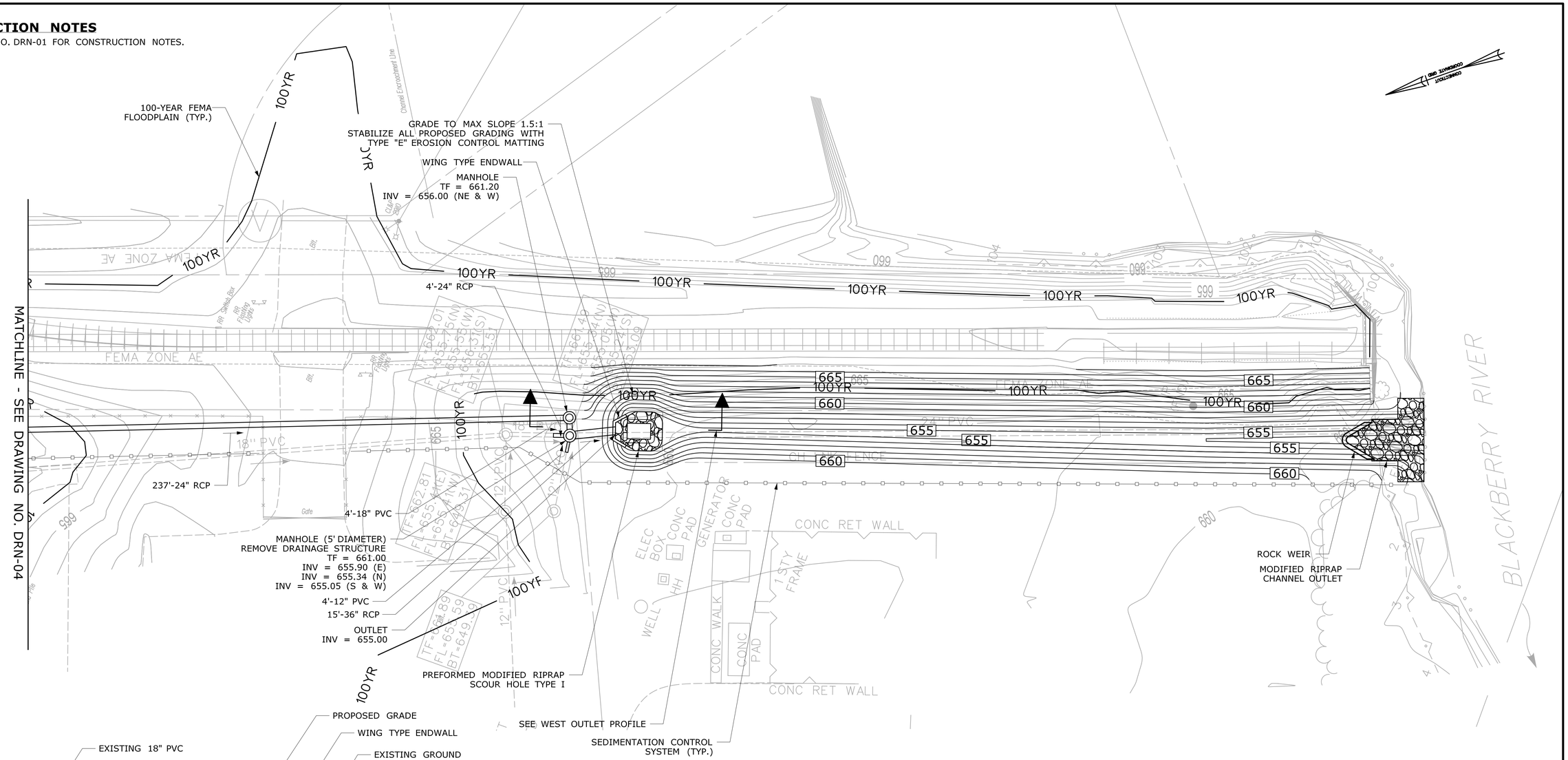
TOWN: **NORTH CANAAN**

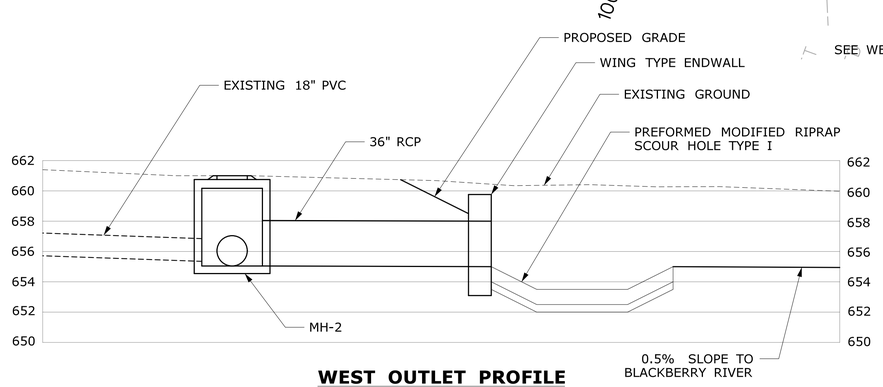
DRAWING TITLE: **DRAINAGE PLAN**

PROJECT NO. **99-115**
DRAWING NO. **DRN-04**
SHEET NO. **03.18**

CONSTRUCTION NOTES

1. SEE SHEET NO. DRN-01 FOR CONSTRUCTION NOTES.





WEST OUTLET PROFILE

SCALE: 1" = 5'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.H.E.

CHECKED BY: M.F.

SCALE IN FEET 0 20 40

SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_DRN-05.dgn

SIGNATURE/BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **DRAINAGE PLAN**

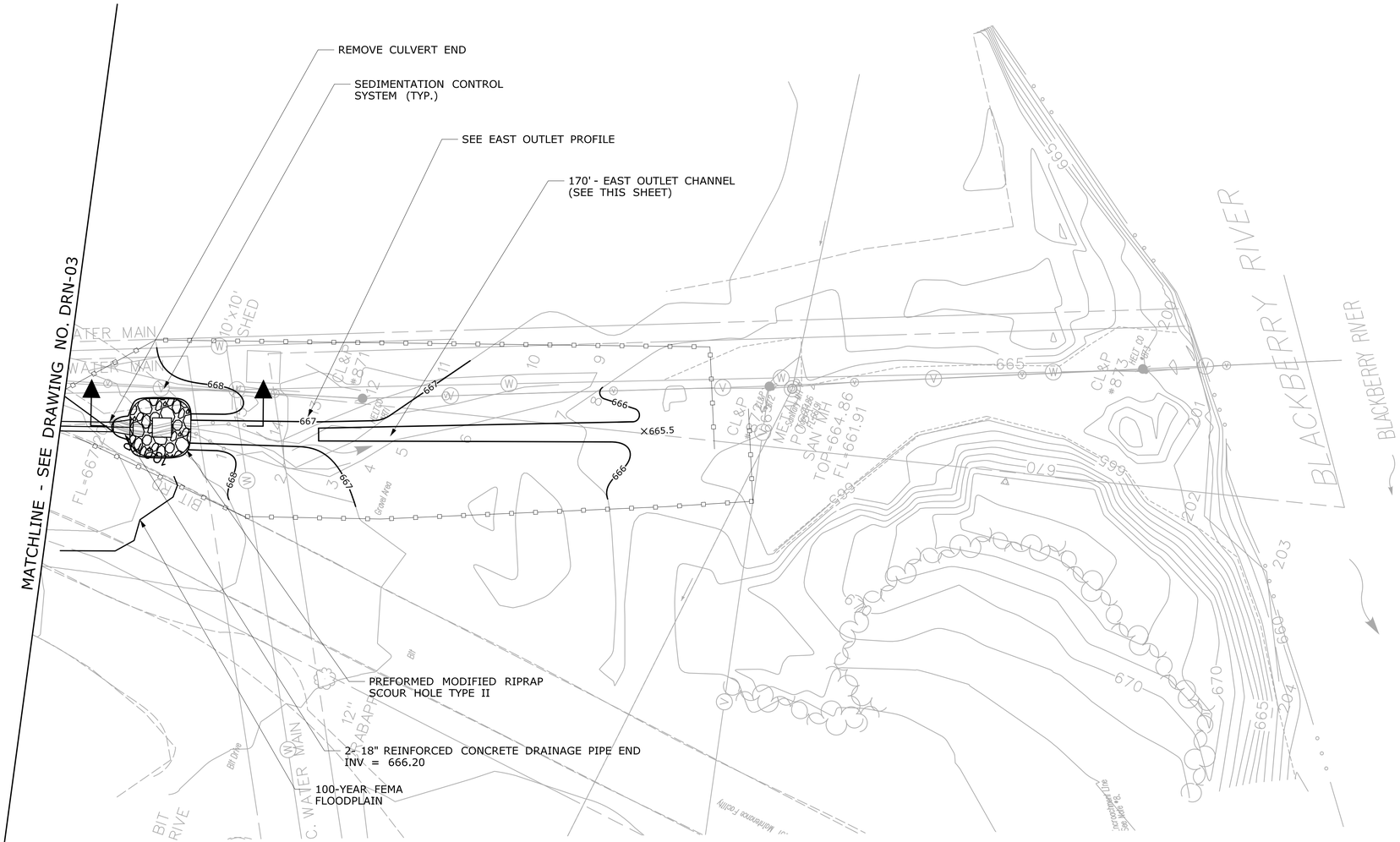
PROJECT NO. **99-115**

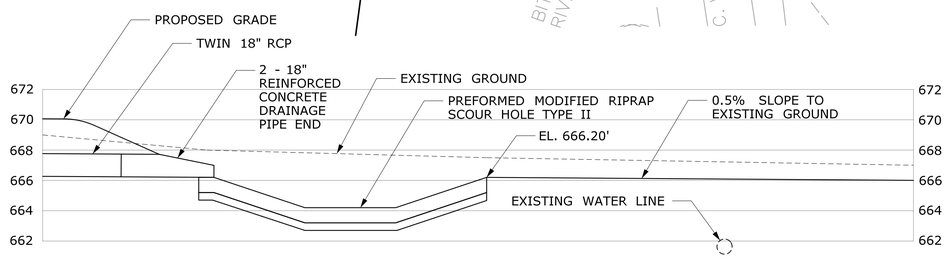
DRAWING NO. **DRN-05**

SHEET NO. **03.19**

CONSTRUCTION NOTES

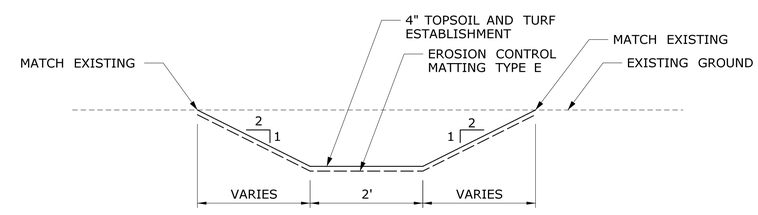
1. SEE SHEET NO. DRN-01 FOR CONSTRUCTION NOTES.





EAST OUTLET PROFILE

SCALE: 1" = 5'



EAST OUTLET CHANNEL

SCALE: N.T.S.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: **J.H.E.**

CHECKED BY: **M.F.**

SCALE IN FEET 0 20 40

SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_DRN-06.dgn

SIGNATURE/BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

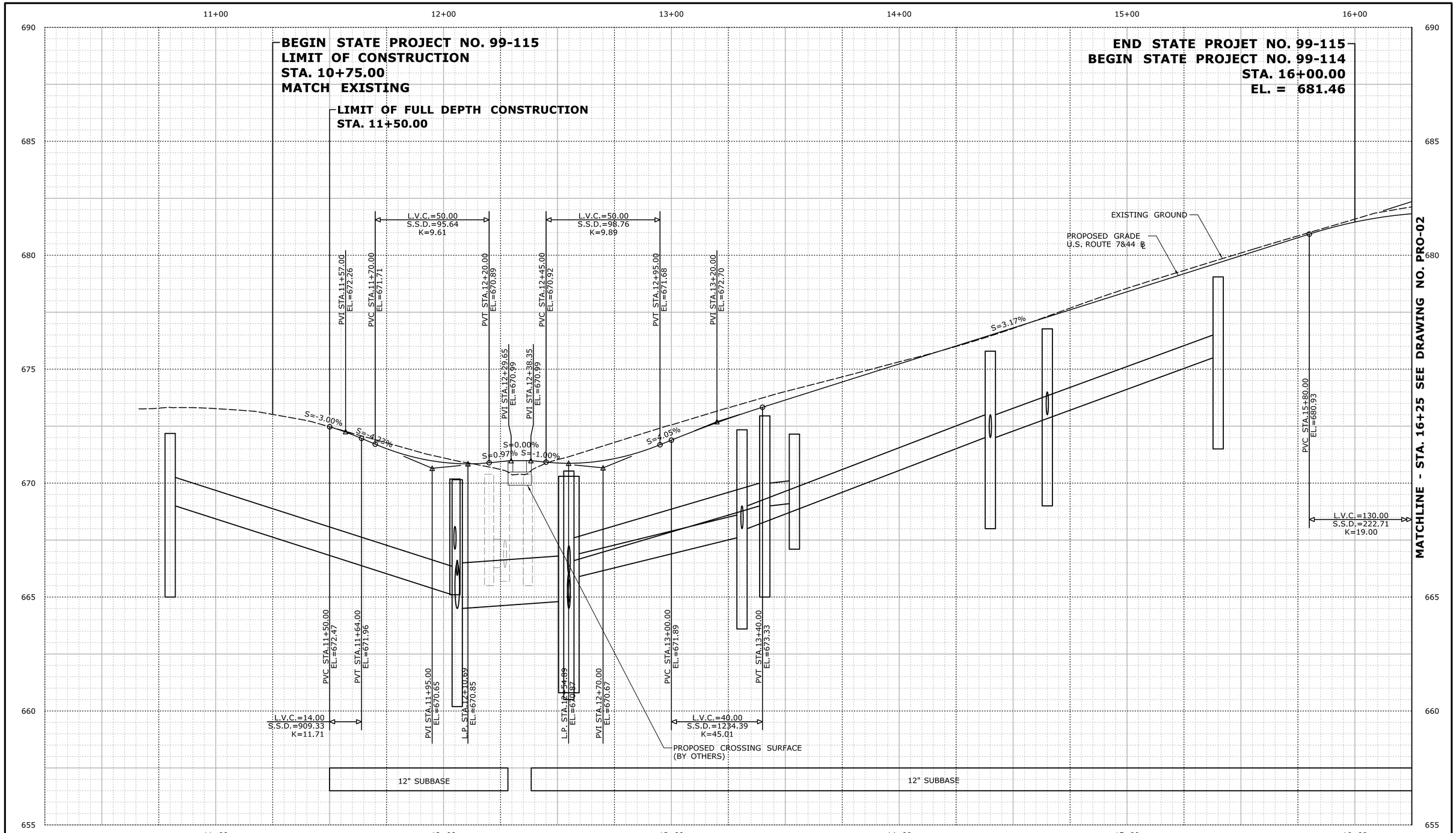
TOWN: **NORTH CANAAN**

DRAWING TITLE: **DRAINAGE PLAN**

PROJECT NO. **99-114**

DRAWING NO. **DRN-06**

SHEET NO. **03.20**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: **J.H.E.**

CHECKED BY: **M.F.**

HORIZ. SCALE IN FEET 0 20 40

VERT. SCALE IN FEET 0 2 4

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_PRO-01.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

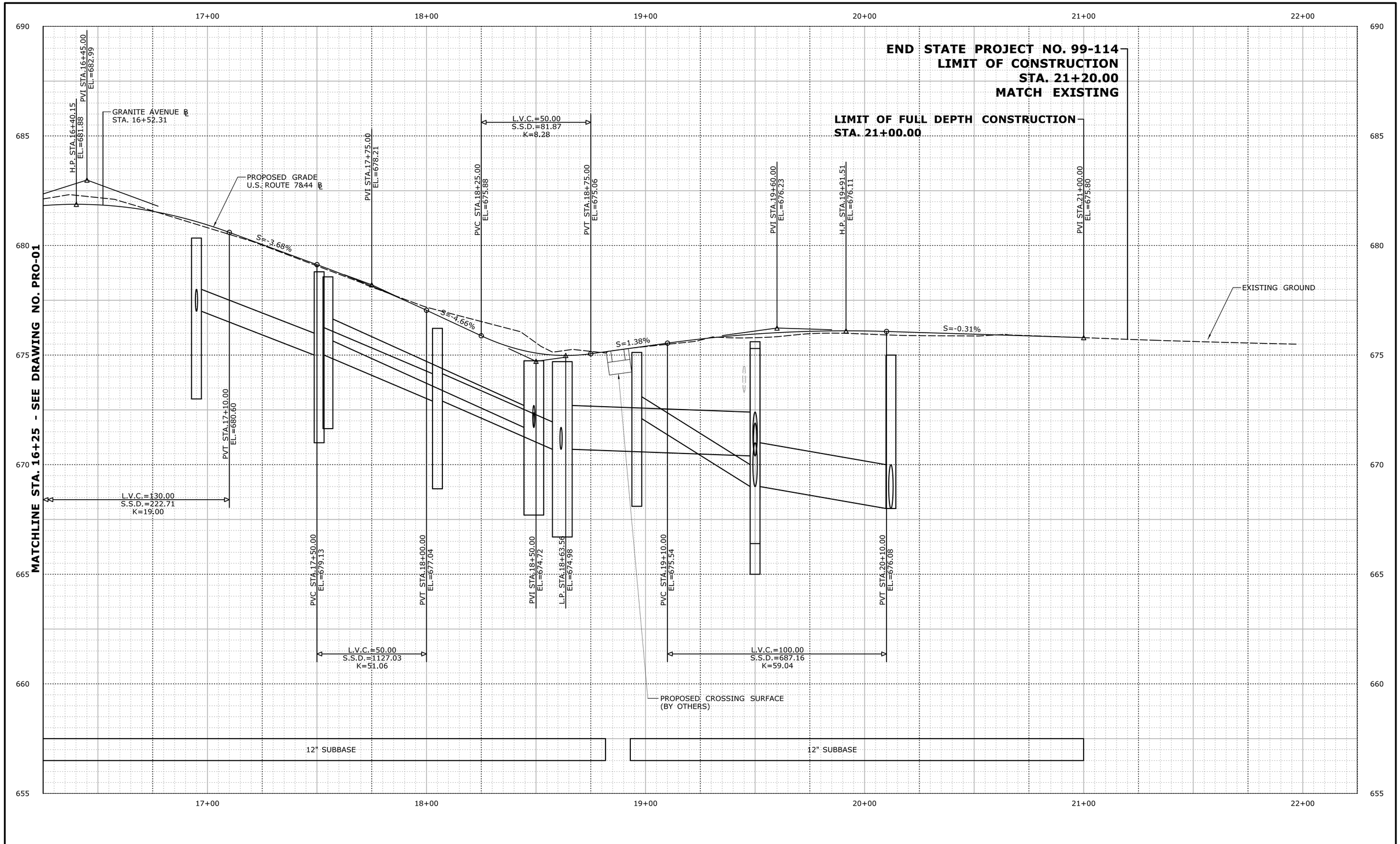
TOWN: **NORTH CANAAN**

DRAWING TITLE: **U.S. ROUTES 7&44 PROFILE**

PROJECT NO. **99-114/115**

DRAWING NO. **PRO-01**

SHEET NO. **03.21**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.
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HORIZ. SCALE IN FEET 0 20 40

VERT. SCALE IN FEET 0 2 4

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_PRO-02.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT REGISTERED PROFESSIONAL ENGINEER No. 21718

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

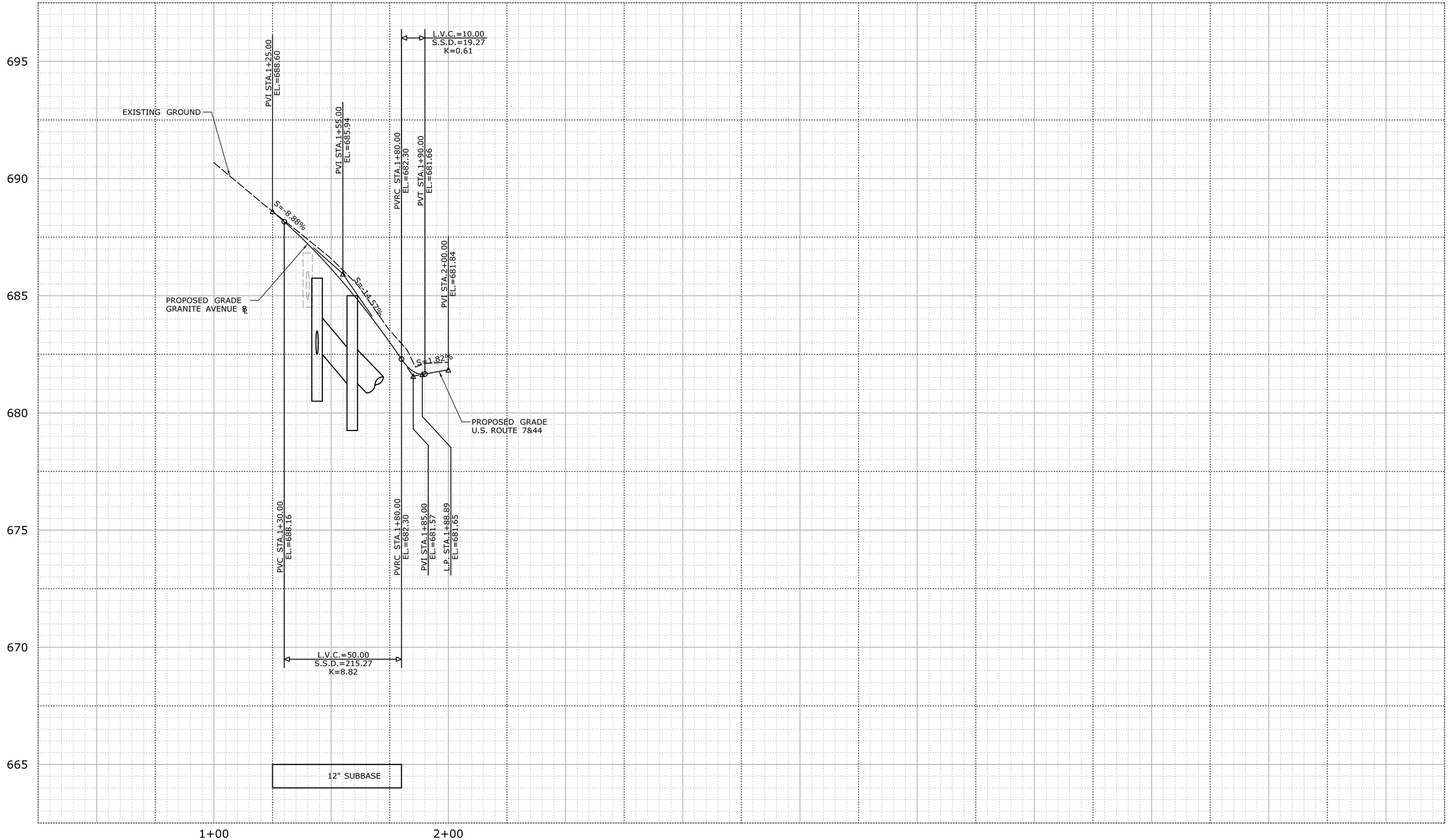
TOWN: **NORTH CANAAN**

DRAWING TITLE: **U.S. ROUTE 7 & 44 PROFILE**

PROJECT NO. **99-114/115**

DRAWING NO. **PRO-02**

SHEET NO. **03.22**



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VERT. SCALE IN FEET 0 2 4

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

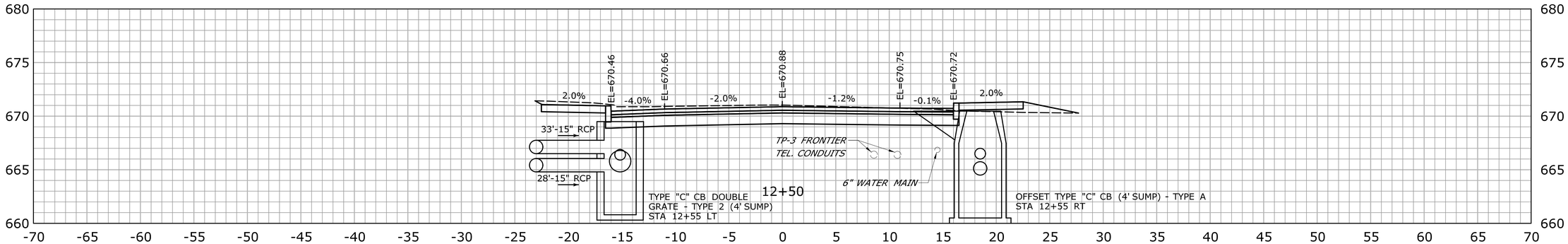
TOWN: **NORTH CANAAN**

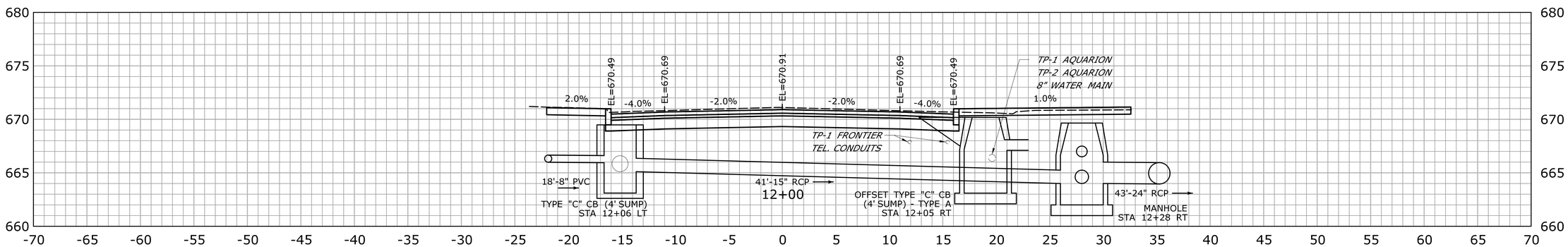
DRAWING TITLE: **GRANITE AVENUE PROFILE**

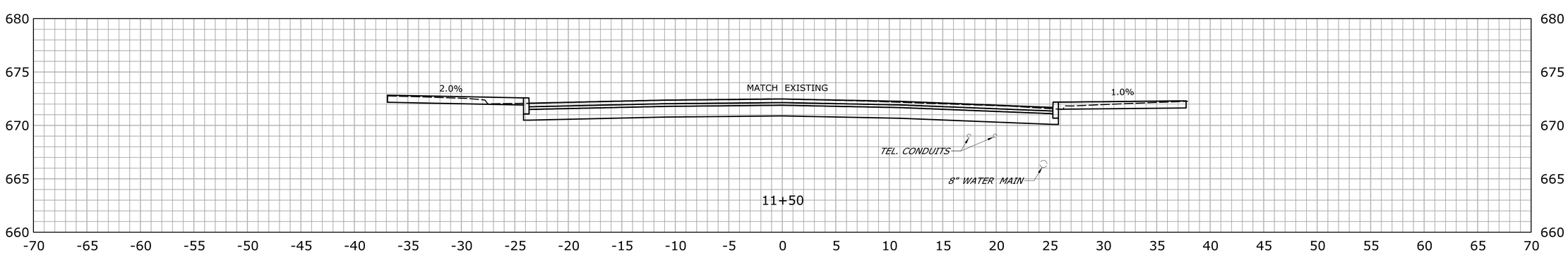
PROJECT NO. **99-114**

DRAWING NO. **PRO-03**

SHEET NO. **03.23**







STA.11+50 TO STA.12+50

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DESIGNER/DRAFTER: J.E.

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SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

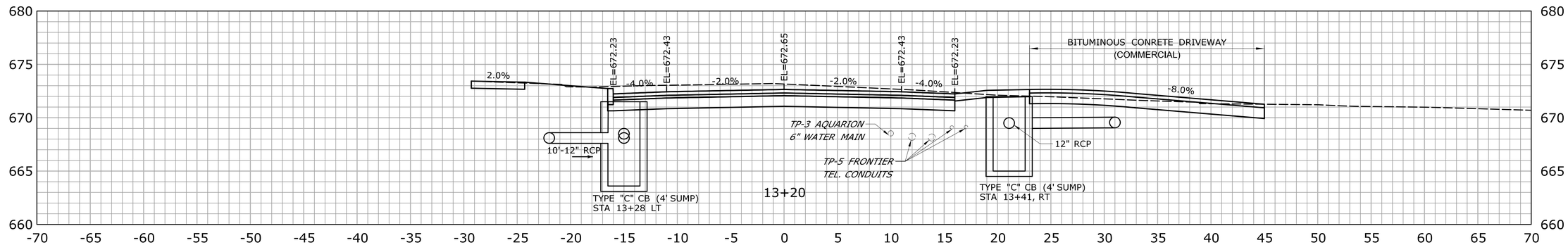
TOWN: **NORTH CANAAN**

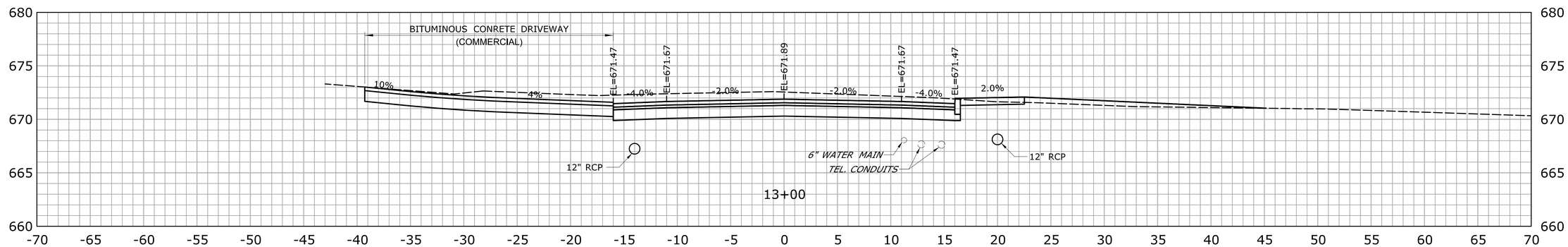
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

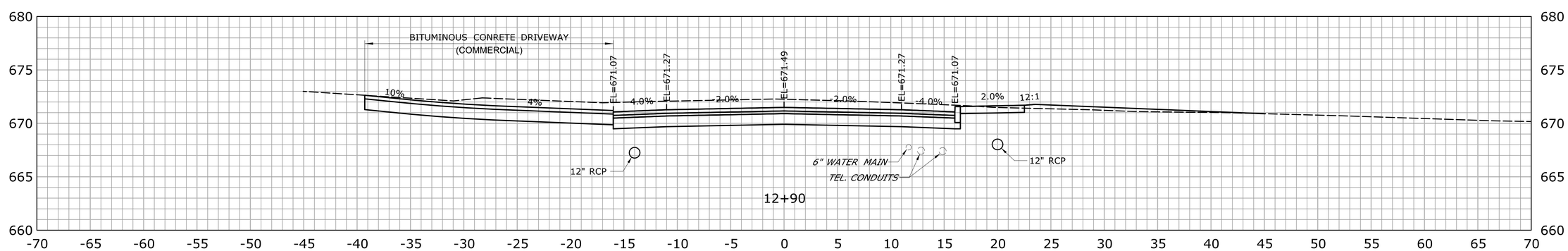
PROJECT NO. **99-115**

DRAWING NO. **XSC-01**

SHEET NO. **03.24**







STA.12+90 TO STA.13+20

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DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

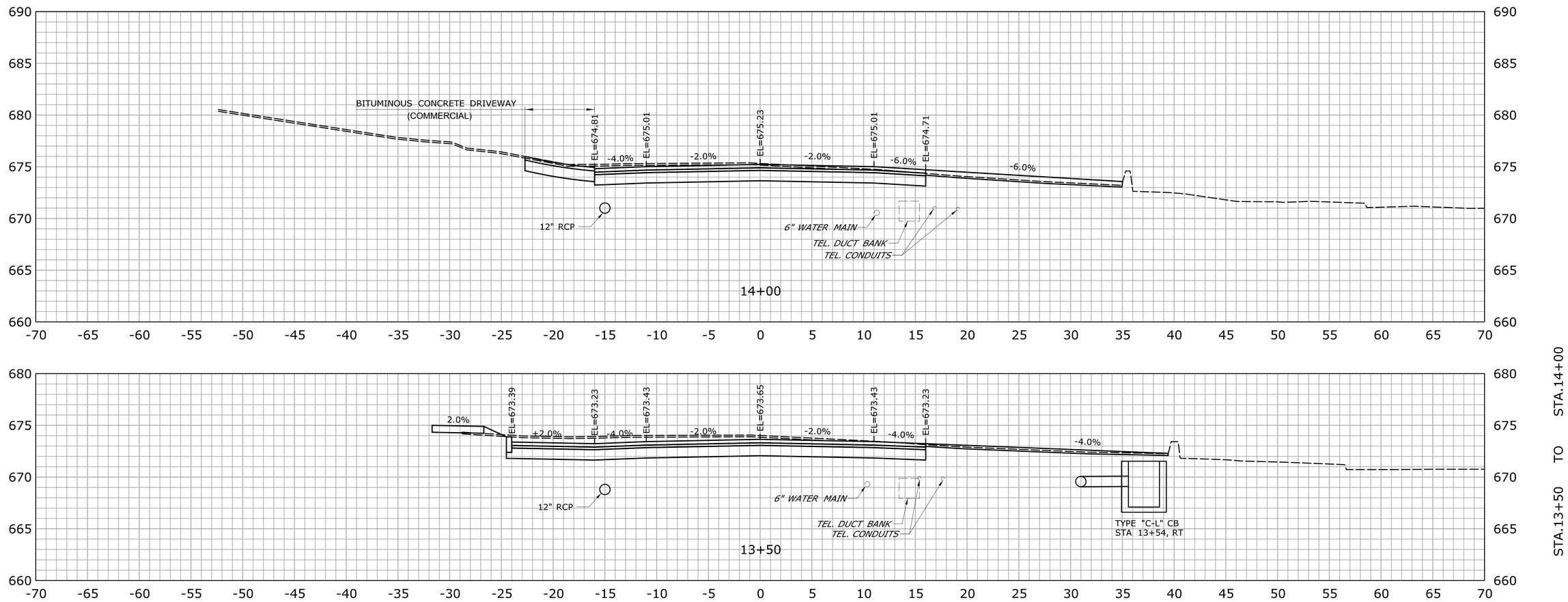
TOWN: **NORTH CANAAN**

DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

PROJECT NO. **99-115**

DRAWING NO. **XSC-02**

SHEET NO. **03.25**



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

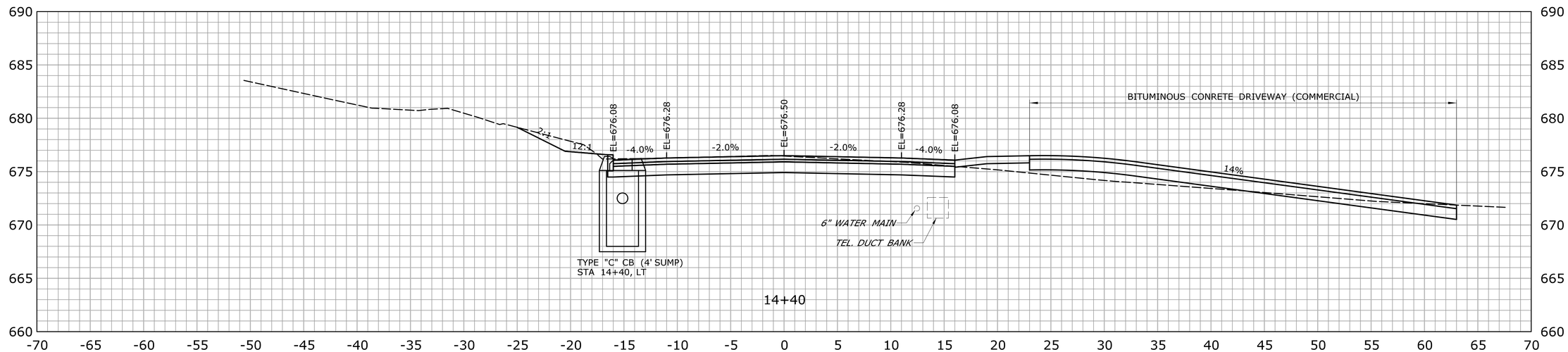
TOWN: **NORTH CANAAN**

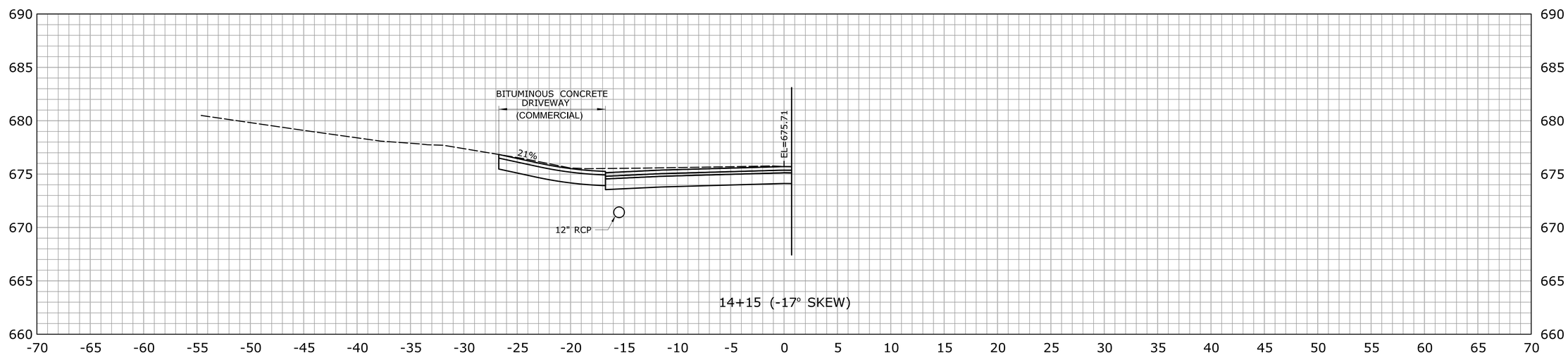
DRAWING TITLE:
U.S. ROUTES 7&44 CROSS SECTIONS

PROJECT NO. **99-115**

DRAWING NO. **XSC-03**

SHEET NO. **03.26**





STA.14+15 TO STA.14+40

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

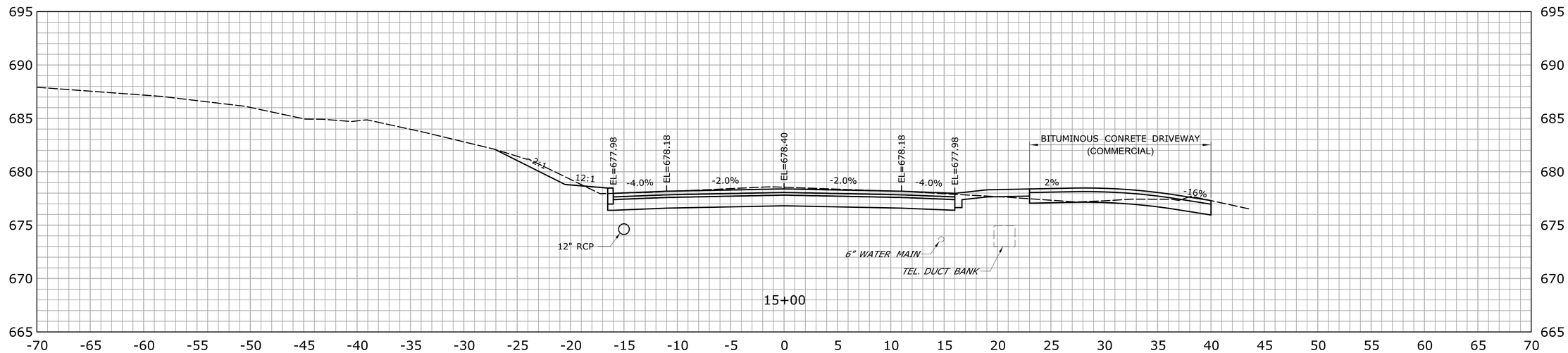
TOWN: **NORTH CANAAN**

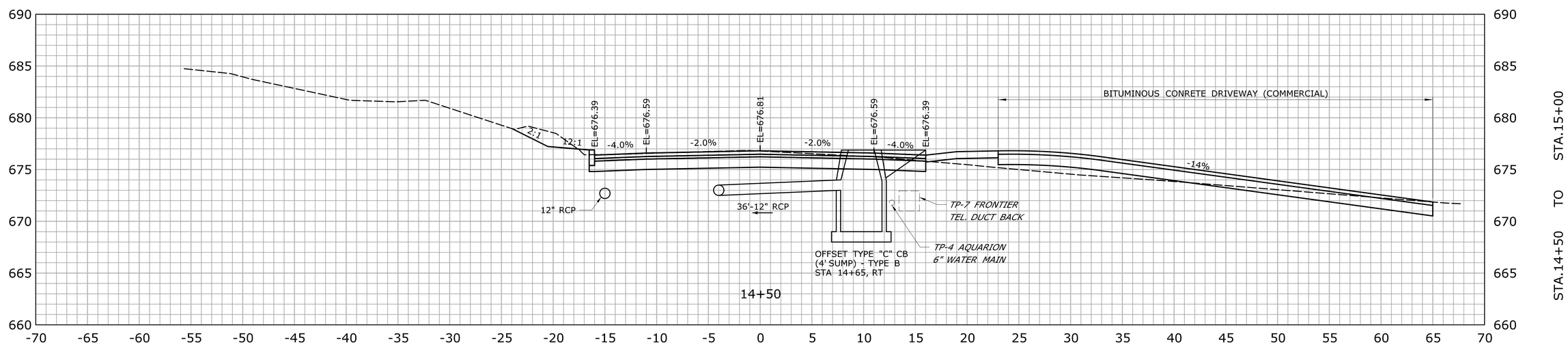
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

PROJECT NO. **99-115**

DRAWING NO. **XSC-04**

SHEET NO. **03.27**





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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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BL Companies

BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

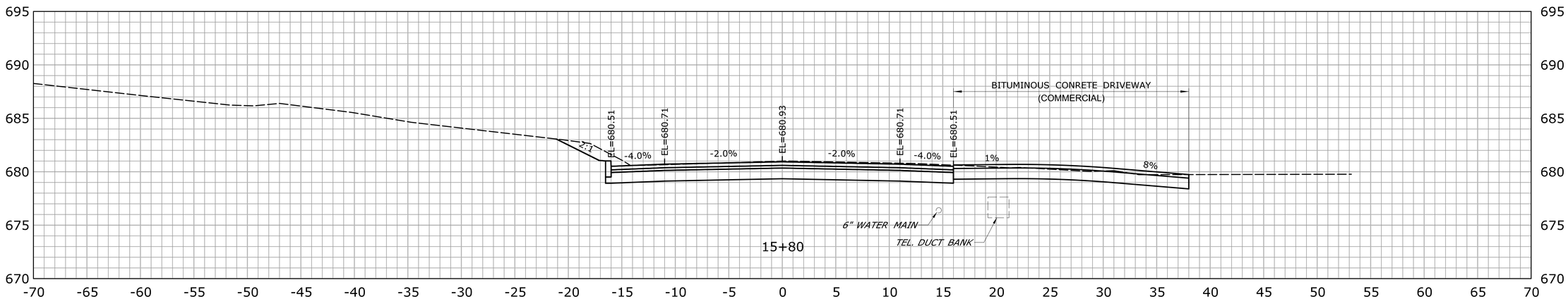
TOWN: **NORTH CANAAN**

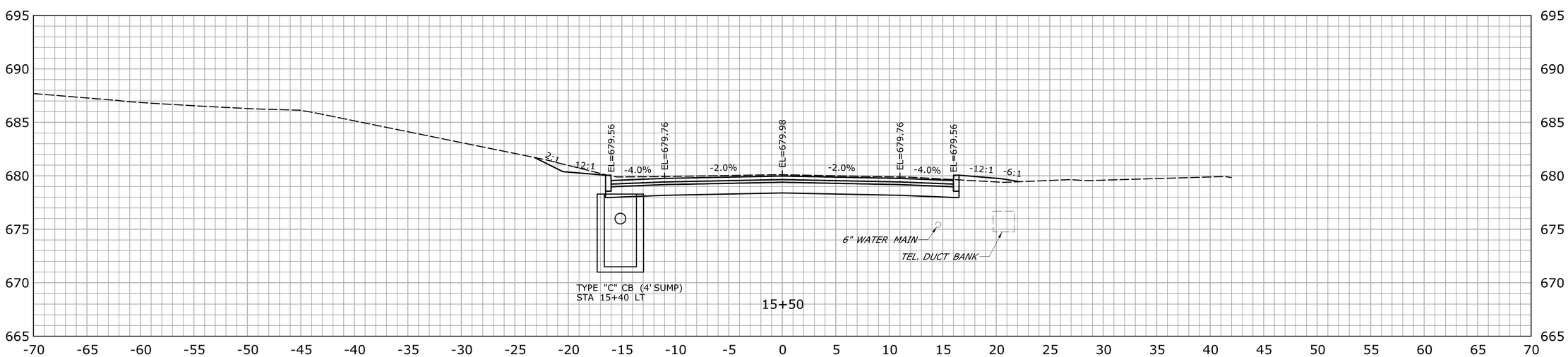
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

PROJECT NO. **99-115**

DRAWING NO. **XSC-05**

SHEET NO. **03.28**





STA.15+50 TO STA.15+80

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

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STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

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BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

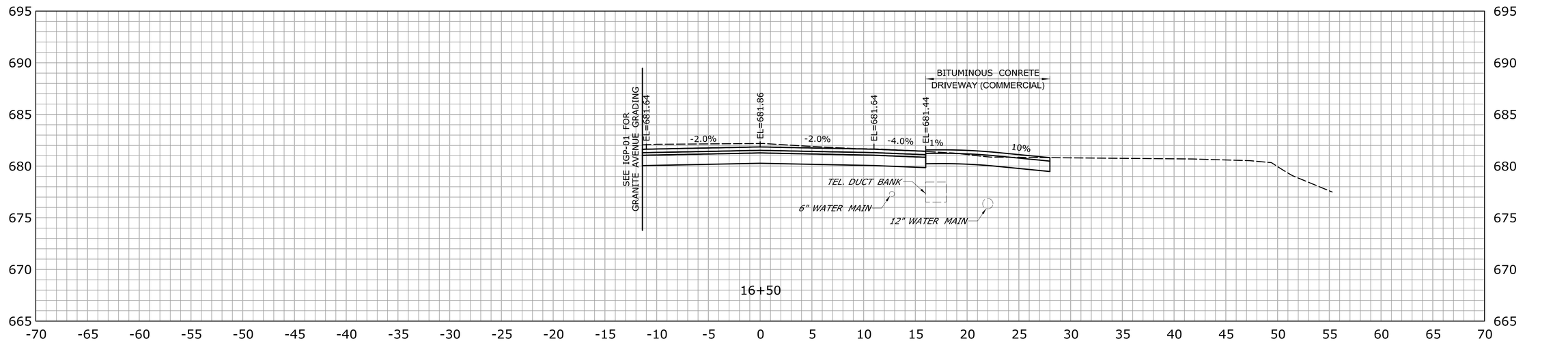
TOWN: **NORTH CANAAN**

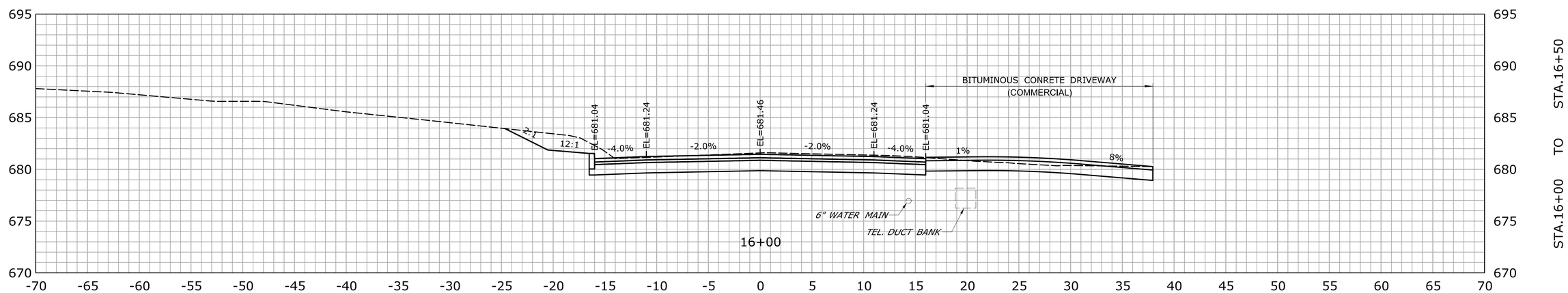
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

PROJECT NO. **99-115**

DRAWING NO. **XSC-06**

SHEET NO. **03.29**





STA.16+00 TO STA.16+50

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

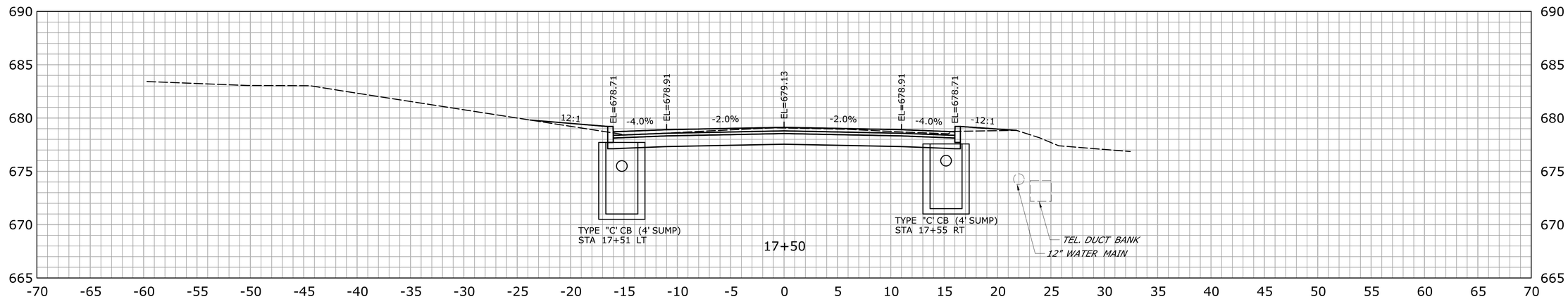
TOWN: **NORTH CANAAN**

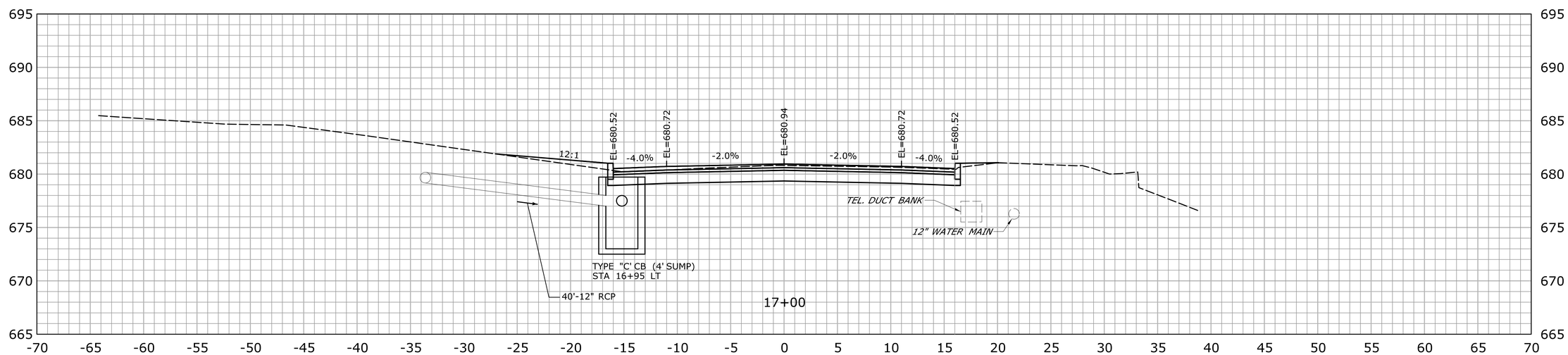
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

PROJECT NO. **99-114/115**

DRAWING NO. **XSC-07**

SHEET NO. **03.30**





STA.17+00 TO STA.17+50

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

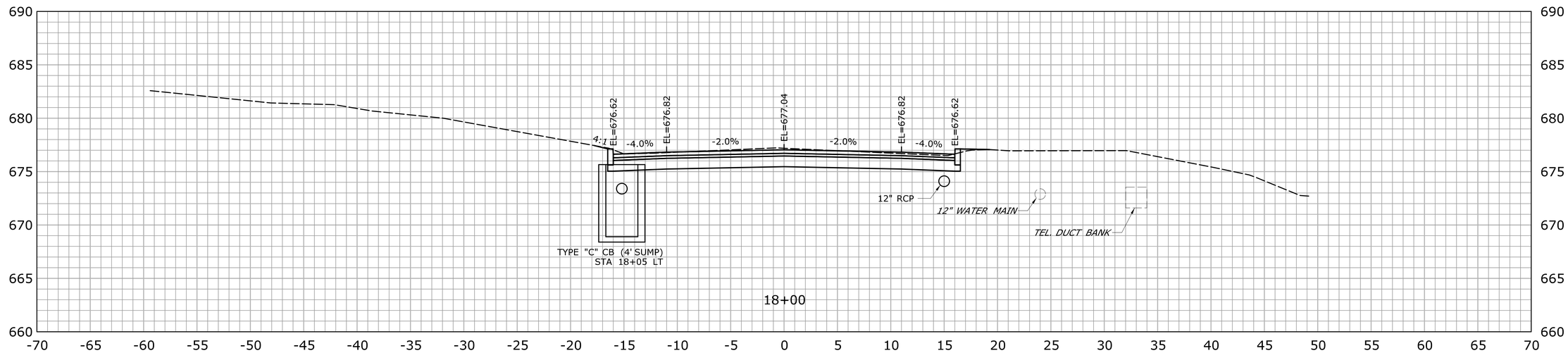
TOWN: **NORTH CANAAN**

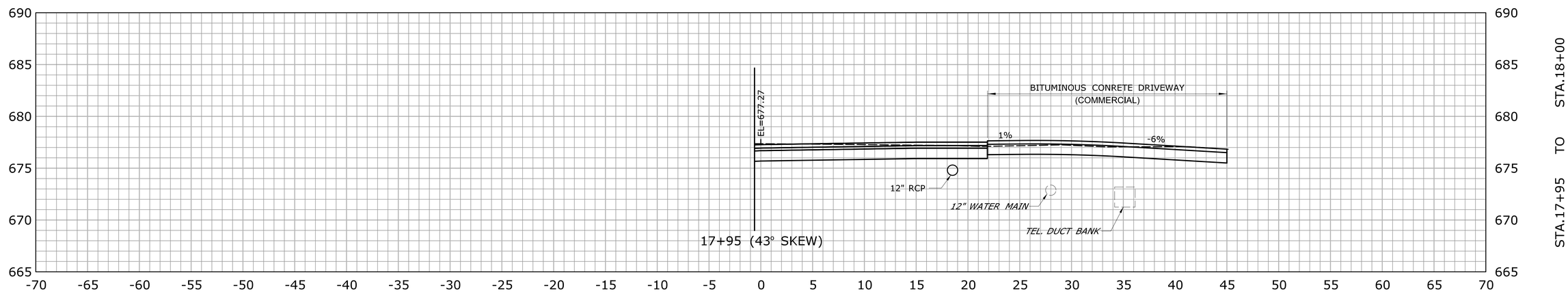
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

PROJECT NO. **99-114**

DRAWING NO. **XSC-08**

SHEET NO. **03.31**





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

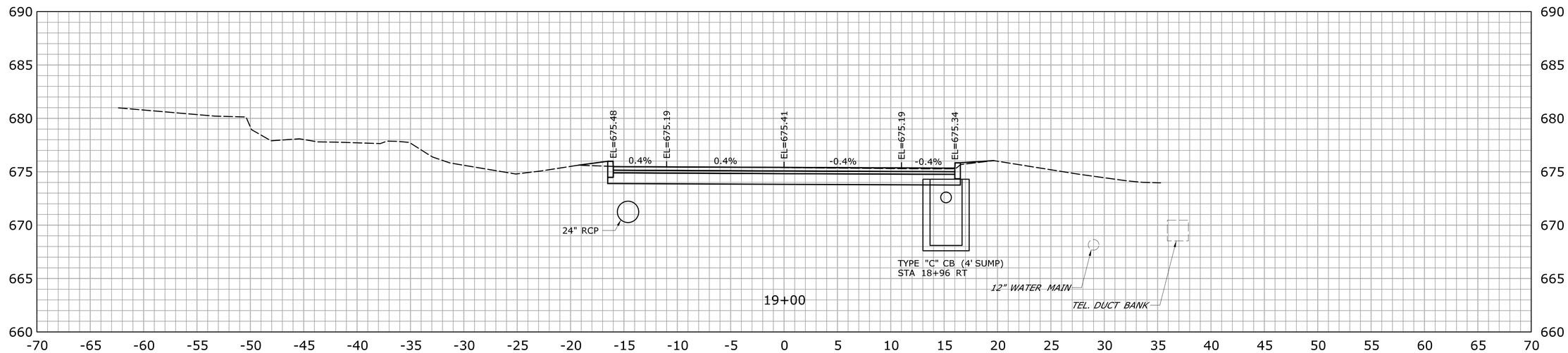
TOWN: **NORTH CANAAN**

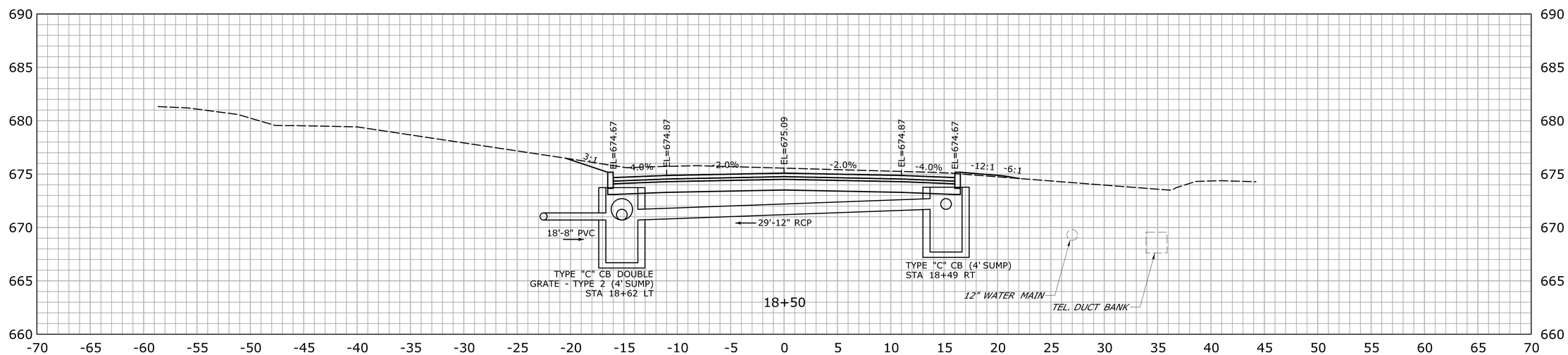
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

PROJECT NO. **99-114**

DRAWING NO. **XSC-09**

SHEET NO. **03.32**





STA.18+50 TO STA.19+00

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/BLOCK:

STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

BL Companies

BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

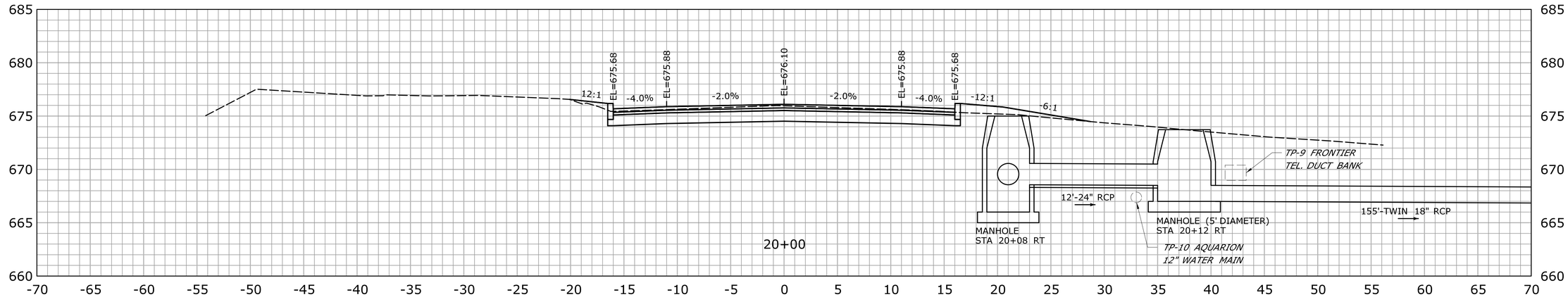
TOWN: **NORTH CANAAN**

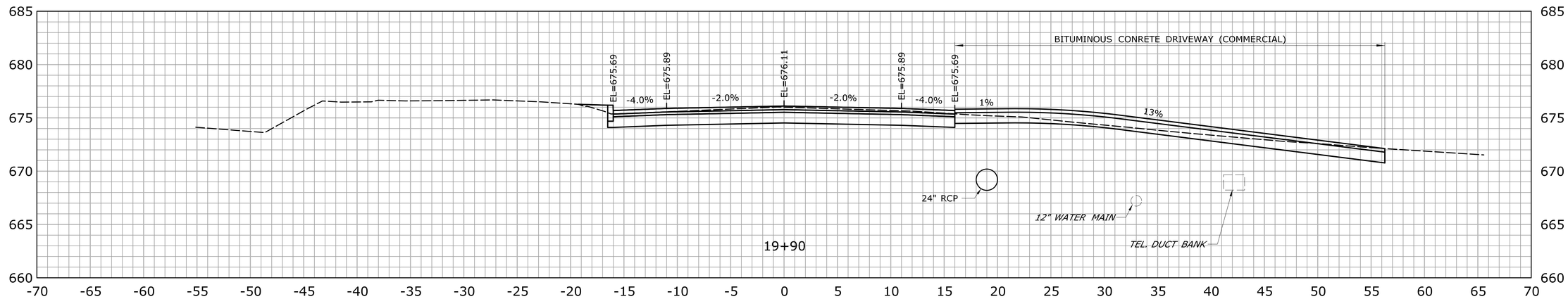
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

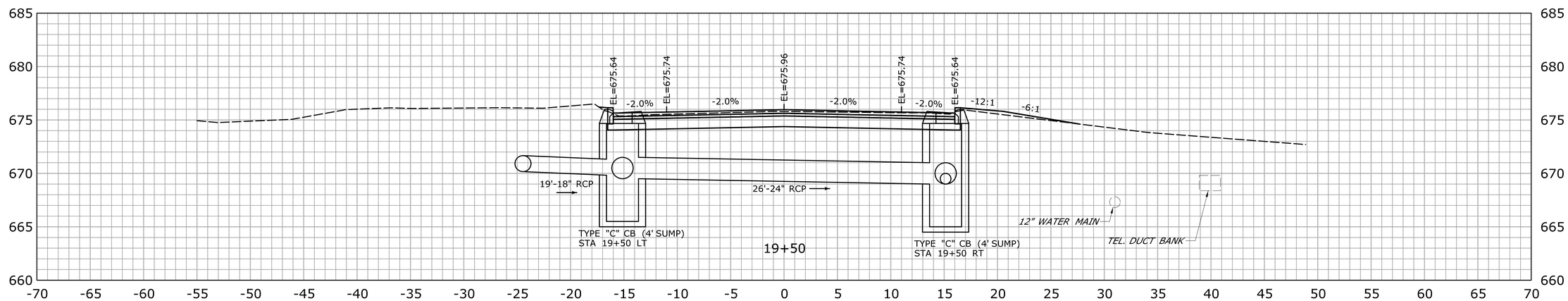
PROJECT NO. **99-114**

DRAWING NO. **XSC-10**

SHEET NO. **03.33**







STA.19+50 TO STA.20+00

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

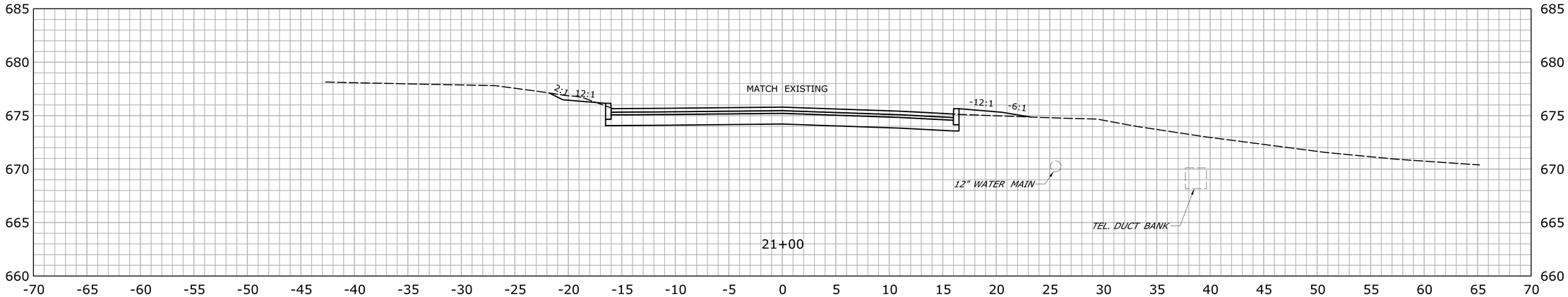
TOWN: **NORTH CANAAN**

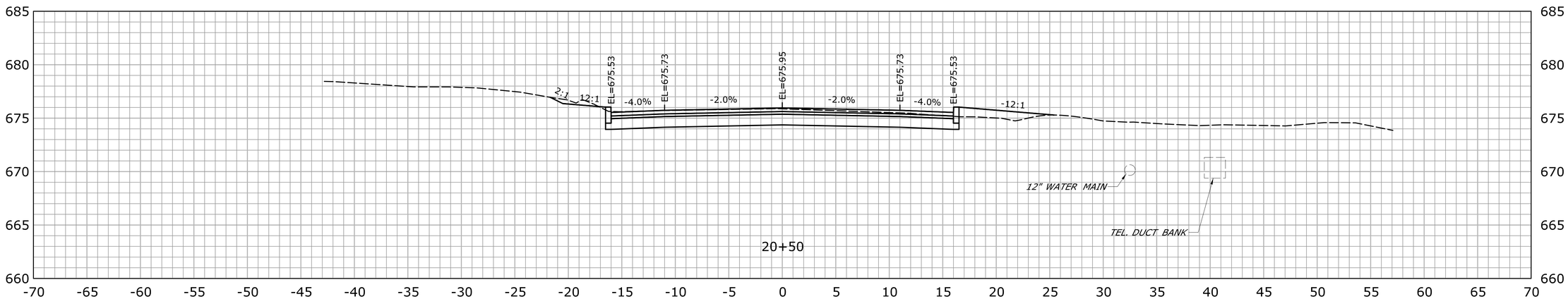
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

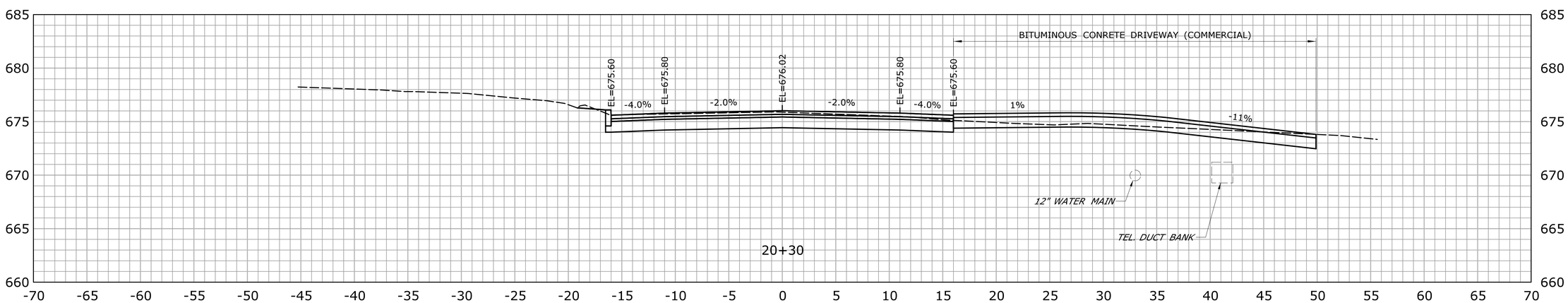
PROJECT NO. **99-114**

DRAWING NO. **XSC-11**

SHEET NO. **03.34**







STA.20+30 TO STA.21+00

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/ BLOCK:

BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:

RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

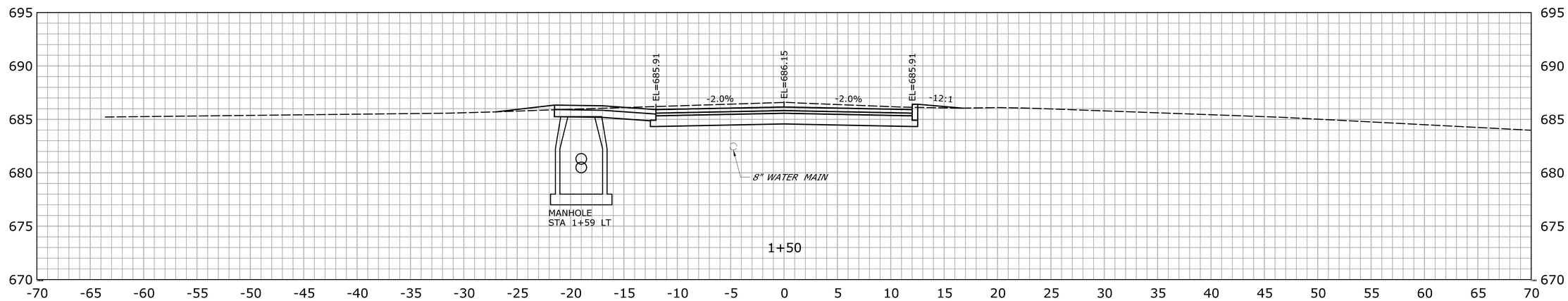
TOWN: **NORTH CANAAN**

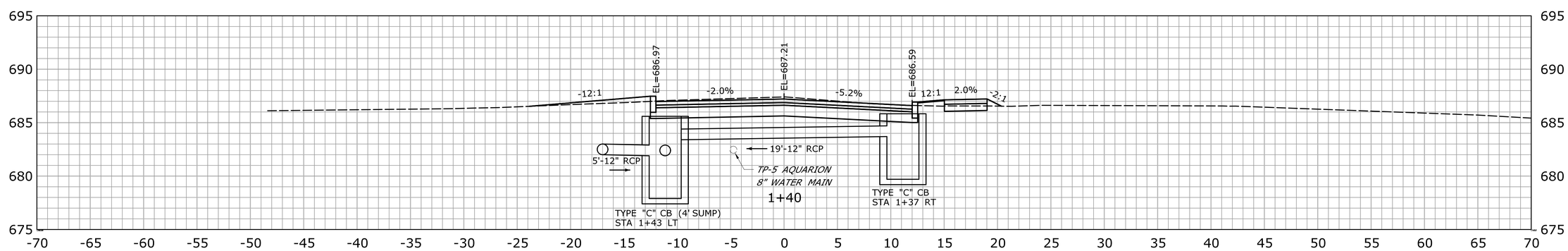
DRAWING TITLE: **U.S. ROUTES 7&44 CROSS SECTIONS**

PROJECT NO. **99-114**

DRAWING NO. **XSC-12**

SHEET NO. **03.35**





STA.1+40 TO STA.1+50

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 1/7/2020

DESIGNER/DRAFTER: J.E.

CHECKED BY: M.F.

SCALE IN FEET 0 5 10

SCALE 1" = 5'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_99-114-115_XSC.dgn

SIGNATURE/BLOCK:

BL Companies
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355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
RAILROAD-HIGHWAY GRADE CROSSING IMPROVEMENTS U.S. ROUTES 7&44 (MAIN ST.)

TOWN: **NORTH CANAAN**

DRAWING TITLE: **GRANITE AVENUE CROSS SECTIONS**

PROJECT NO. **99-114**

DRAWING NO. **XSC-13**

SHEET NO. **03.36**