TOWN OF TRUMBULL

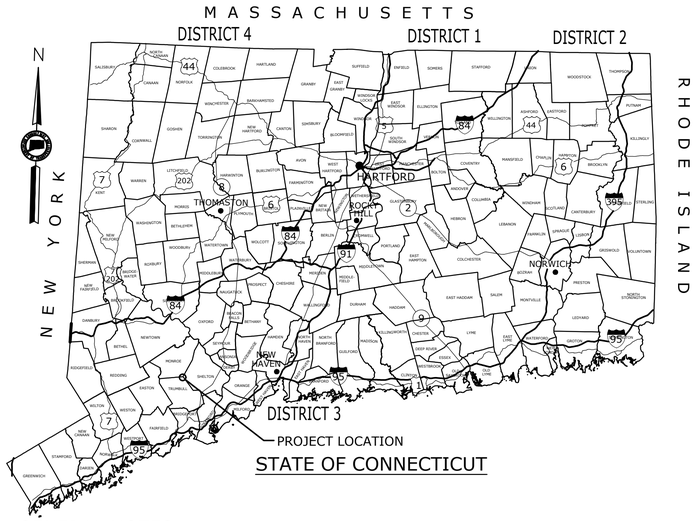
Plans For

RECONSTRUCTION OF MOOSE HILL ROAD

Town of

TRUMBULL

VICKI A. TESORO, FIRST SELECTMAN



GENERAL NOTES:

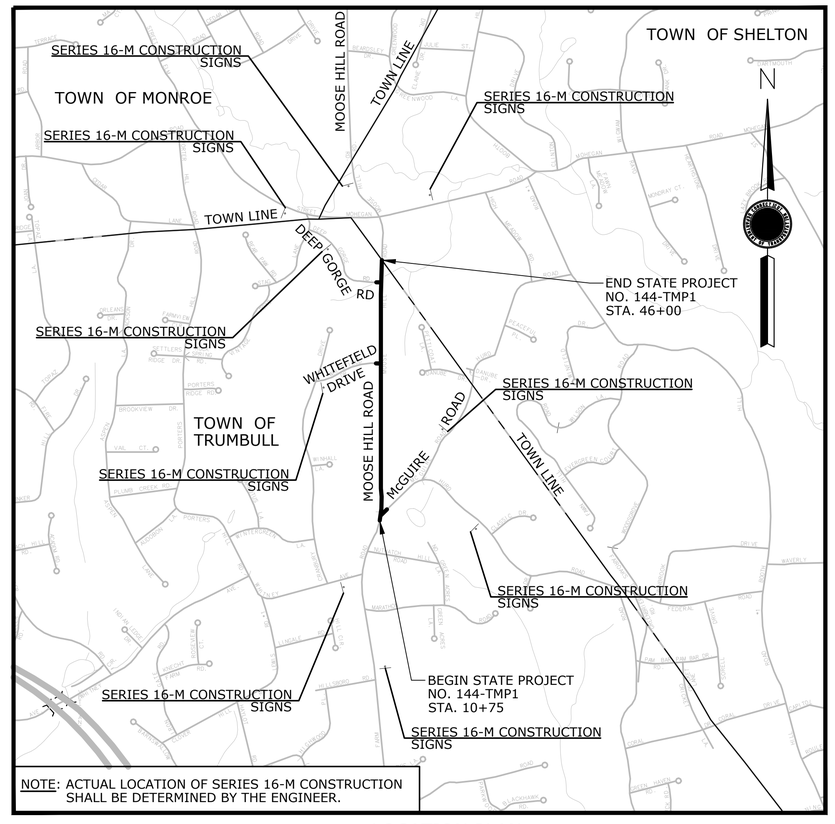
1. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 817, dated 2016; Supplemental Specifications, dated January 2018; and Special Provisions
2. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983
3. VERTICAL DATUM BASED ON NGVD 1929

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE TOWN OF TRUMBULL.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS ARE NOT AUTHORIZED BY THE TOWN OF TRUMBULL TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
MOOSE HILL ROAD	TOWN OF TRUMBULL	3525 FT.
McGUIRE ROAD	TOWN OF TRUMBULL	155 FT.
WHITEFIELD DRIVE	TOWN OF TRUMBULL	63 FT.
DEEP GORGE ROAD	TOWN OF TRUMBULL	127 FT.



NOTE: ACTUAL LOCATION OF SERIES 16-M CONSTRUCTION SHALL BE DETERMINED BY THE ENGINEER.

LOCATION PLAN

NOT TO SCALE

JULY 2018

LIST OF SUBSETS

SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
01	GENERAL	4
02	REVISIONS	1
03	HIGHWAY	106
04	TRAFFIC	14
05	STRUCTURES	5
06	UTILITIES - AQUARION	19
	UTILITIES - UICO. & FRONTIER	7
	UTILITIES - SCG CO.	7

*THE INITIAL SUBSET SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS

LIST OF DRAWINGS
SUBSET 01 - GENERAL

DRAWING TITLE	DRAWING NO.
TITLE SHEET	G-1
DETAIL ESTIMATE SHEET	EST-1 - EST 3

STANDARD CONVENTIONS

North Arrow W/No. Coor.
Grid Arrow
Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Limit Of Marsh
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Water Edge
Stream
Ditch
TOWN LINE
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall
Highway Line
Street Line
Property Line
Lot Line
Easement Line

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

DESIGNED BY:

Luchs CONSULTING ENGINEERS

89 COLONY STREET
MERIDEN, CONNECTICUT 06451

STATE OF CONNECTICUT — DORON DAGAN — No. 19837 — REGISTERED PROFESSIONAL ENGINEER

Doron Dagan
2018.07.18
09:38:00-04'00'

Plans For
RECONSTRUCTION OF
MOOSE HILL ROAD

Town of
TRUMBULL

PROJECT NO.
L144-0001

DRAWING NO.
G-1

SHEET NO.
01.01

| | GRADING | | | EARTHWORK | | | | | PAVEMENT | | | | | | | ROADWAY ITEMS | | | | | | | | | | | | MISCELLANEOUS ITEMS | | | | | | | | | | | |

ITEM NUMBER	0969062A P	0970007 P	0971001A P	0975004 P	0976002 P	0977001 P	0978002 P	0979003 P	0980001 P	0981101A P	1206023A P	1208931A P	1208932A P	1209114 P	1209131 P	1210101 P	1210102 P	1210105 P	1220027 P	
ITEM	CONSTRUCTION FIELD OFFICE - MEDIUM	TRAFFICPERSON (UNIFORMED FLAGGER)	MAINTENANCE AND PROTECTION OF TRAFFIC	MOBILIZATION AND PROJECT CLOSEOUT	BARRICADE WARNING LIGHTS - HIGH INTENSITY	TRAFFIC CONE	TRAFFIC DRUM	CONSTRUCTION BARRICADE - TYPE III	CONSTRUCTION STAKING	OPPOSING TRAFFIC LANE DIVIDER	REMOVAL AND RELOCATION OF EXISTING SIGNS	SIGN FACE SHEET ALUMINUM (TYPE IX RETROREFLECTIVE SHEETING)	SIGN FACE SHEET ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)	HOT APPLIED PAINTED PAVEMENT MARKINGS - 4" YELLOW	HOT APPLIED PAINTED LEGEND ARROWS AND MARKINGS	4" WHITE TYPE I EPOXY RESIN PAVEMENT MARKINGS	4" YELLOW TYPE I EPOXY RESIN PAVEMENT MARKINGS	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS	CONSTRUCTION SIGNS	
UNIT	MO.	HR	LS	LS	DAY	EA.	EA.	EA.	LS	EA.	LS	S.F.	S.F.	L.F.	S.F.	L.F.	L.F.	SQ.FT.	SQ.FT.	
MOOSE HILL ROAD																				
STA. 10+75 TO STA. 16+00												10.38	12			955	910	55		
STA. 16+00 TO STA. 21+00													8			1000	1000	40		
STA. 21+00 TO STA. 26+50													16			1100	1100	80		
STA. 26+50 TO STA. 32+00													49			1015	1000	60		
STA. 32+00 TO STA. 36+50													21			900	900	80		
STA. 36+50 TO STA. 41+00													8			900	900	40		
STA. 41+00 TO STA. 46+00													25			940	952	60		
McGUIRE ROAD																				
STA. 50+20 TO STA. 51+75												5.19				285	290	24		
WHITEFIELD DRIVE																				
STA. 61+40 TO STA. 62+08												5.19				100	100	24		
DEEP GORGE ROAD																				
STA. 70+35 TO STA. 71+60												5.19				220	220	17		
SUBTOTAL	18	1200	LS	LS	1080	40	40	12	LS	120	LS	25.95	139	8000	11	7415	7372	480	630	
UNASSIGNED	-	-	-	-	-	-	-	-	-	-	-	0.05	1	-	1	85	78	20	20	
	18	1200	LS	LS	1080	40	40	12	LS	120	LS	26	140	8000	12	7500	7450	500	650	

ITEM NUMBER	0204001A P	0204401A P	0205001 P	0205003 P	0205004 P	0205005 P	0205006 P	0213001 P	0507001 P	0507022 P	0507026 P	0507051 P	0507171A P	0507601 P	0507707 P	0601000 P	0601217A P	0651001 P	0651011 P	0651012 P	0651013 P	0651015 P	0651107 P	0651717 P	0651743 P	0651744 P	0652010 P	P
ITEM	COFFERDAM AND DEWATERING	HANDLING WATER (SITE NO.1)	TRENCH EXCAVATION 0'-4' DEEP	TRENCH EXCAVATION 0'-10' DEEP	ROCK IN TRENCH EXCAVATION 0'-10' DEEP	TRENCH EXCAVATON 0'-15' DEEP	ROCK IN TRENCH EXCAVATION 0'-15'	GRANULAR FILL	TYPE "C" CATCH BASIN	TYPE "C" CATCH BASIN DOUBLE GRATE TYPE II (4' SUMP)	TYPE "C" CATCH BASIN (4' SUMP)	TYPE "C" CATCH BASIN OVER 10' DEEP	HYDRODYNAMIC SEPARATOR (SITE NO. 1)	MANHOLE	TYPE "C" CATCH BASIN DOUBLE GRATE TYPE II OVER 10' DEEP (4' SUMP)	CLASS "A" CONCRETE	8' X 3.5' PRECAST CONCRETE BOX CULVERT	BEDDING MATERIAL	12" R.C. PIPE	15" R.C. PIPE	18" R.C. PIPE	24" R.C. PIPE	15" A.C.C.M. PIPE	12" DUCTILE IRON PIPE	6" POLYVINYL CHLORIDE PIPE	4" POLYVINYL CHLORIDE PIPE	15" R.C. CULVERT END	
UNIT	LF	LS	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	C.Y.	L.F.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	
MOOSE HILL ROAD																												
STA. 10+75 TO STA. 16+00				404	45	42	18		2			2		2				26	51	333								
STA. 16+00 TO STA. 21+00				550	52	111	47	1	2			2			2	1.5		37	27	502					5	5		
STA. 21+00 TO STA. 26+50				219	24	25	11		3			1						13	54	142								
STA. 26+50 TO STA. 32+00				525	31	53	23	1	3	1		2		1	1			39	54	504							1	
STA. 32+00 TO STA. 36+50				524	50				2									35	27	446					47			
STA. 36+50 TO STA. 41+00				477	49	50	22		2			2						39	27	302	168				47			
STA. 41+00 TO STA. 46+00	180		82	501	57			47	6		1		1			16	52	76		32	112	137		216				
McGUIRE ROAD																												
STA. 50+20 TO STA. 51+75																												
WHITEFIELD DRIVE																												
STA. 61+40 TO STA. 62+08				95	6				2									3	58									
DEEP GORGE ROAD																												
STA. 70+35 TO STA. 71+60				130	8				2					1				3		35			5					
SUBTOTAL	180	LS	82	3427	321	280	120	49	24	1	1	9	1	4	3	17.5	52	271	298	2296	280	137	5	216	99	5	1	
UNASSIGNED	20	-	18	73	19	30	10	6	-	-	-	-	-	-	-	7.5	-	9	22	24	-	3	-	14	6	-	-	
	200	LS	100	3500	340	310	130	55	24	1	1	9	1	4	3	25	52	280	320	2320	280	140	5	230	105	5	1	

MISCELLANEOUS ITEMS

DRAINAGE

P = FEDERAL AID PARTICIPATING
NP= FEDERAL AID NON PARTICIPATING
=FOR INTERNAL USE ONLY
NOT A LEGAL DEFINITION

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DETAILED ESTIMATE SHEET

PROJECT NO.: L144-0001

DRAWING NO.: EST-2

SHEET NO.: 01.03

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| | DRAINAGE | | | | STRUCTURE | | | | | | | | | | | LANDSCAPE | | | | | | | | | | |

REV. No.	SHEET No.	DATE dd/mm/yy	NEW	REV.	DEL.	DESCRIPTION	BY

REV. No.	SHEET No.	DATE mm/dd/yy	NEW	REV.	DEL.	DESCRIPTION	BY

REV. No.	SHEET No.	DATE mm/dd/yy	NEW	REV.	DEL.	DESCRIPTION	BY

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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Plotted Date: 10/7/2011

DESIGNER/DRAFTER: RL

CHECKED BY: DD

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\New_Revision_Sheet.dgn

SIGNATURE BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE:
LIST OF REVISIONS

PROJECT NO. L144-0001

DRAWING NO. **REV-1**

SHEET NO. **02.01**

03 - HIGHWAY
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
TYP-1	TYPICAL SECTIONS		
MDS-1 TO MDS-19	MISCELLANEOUS DETAILS		
IGP-1 TO IGP-3	INTERSECTION GRADING PLANS		
BOR-1 TO BOR-2	SOIL BORING LOGS		
PLN-1 TO PLN-7	ROADWAY PLANS		
DRN-1 TO DRN-7	DRAINAGE PLANS		
PRO-1 TO PRO-8	ROADWAY PROFILES		
W-1 TO W-2	WATER HANDLING PLAN		
L-1 TO L-8	LANDSCAPING PLANS		
XSC-1 TO XSC-48	ROADWAY CROSS SECTIONS		

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

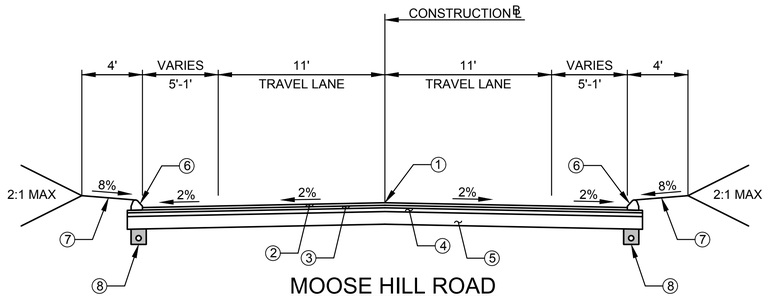
PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: SUBSET 03 COVER SHEET

PROJECT NO.: L144-0001
DRAWING NO.: HWY-00
SHEET NO.: 03.01

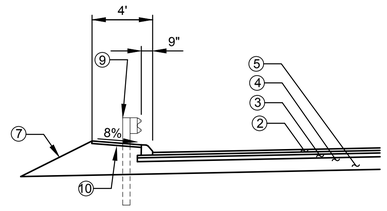
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MOOSE HILL ROAD

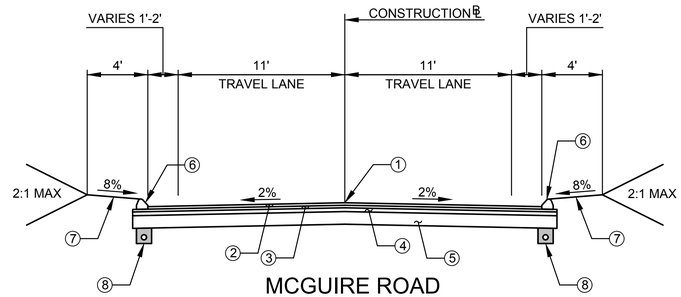
STA. 45+00 TO STA. 46+00

NOT TO SCALE



TYPICAL GUIDE RAILING TREATMENT WITH CURBING

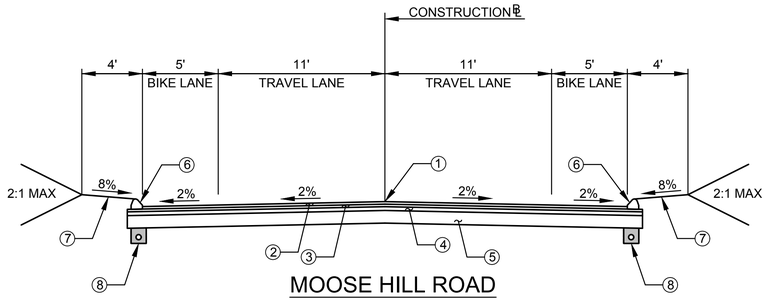
NOT TO SCALE



MCGUIRE ROAD

STA. 50+50 TO STA. 51+75

NOT TO SCALE



MOOSE HILL ROAD

STA. 12+40 TO STA. 45+00

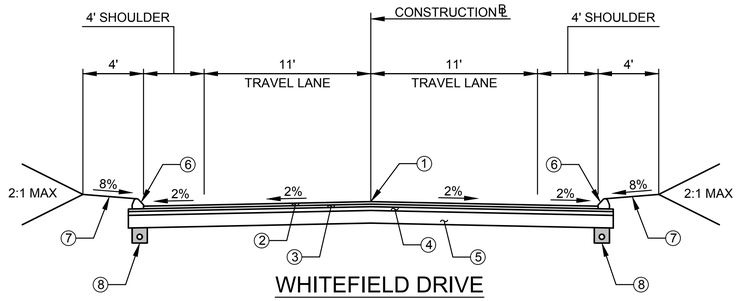
NOT TO SCALE

LEGEND

1. POINT OF APPLICATION OF GRADE
2. 2" BITUMINOUS CONCRETE CLASS 2
3. 2" BITUMINOUS CONCRETE CLASS 1
4. 3" BITUMINOUS CONCRETE CLASS 4
5. 10" PROCESSED AGGREGATE BASE
6. BITUMINOUS CONCRETE LIP CURBING
7. 4" (MIN.) TOPSOIL AND TURF ESTABLISHMENT
8. 4" EDGEDRAIN (SEE DETAIL ON DRAWING No. MDS-1)
9. METAL BEAM RAIL (SEE PLANS FOR TYPE AND LOCATION)
10. 6" PROCESSED AGGREGATE (PAVEMENT FOR RAILING) (SEE PLANS FOR LOCATION)

NOTES

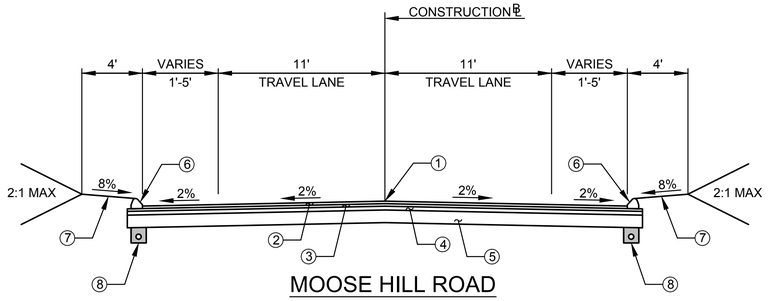
1. THE FINAL 2" COURSE OF BITUMINOUS CONCRETE CLASS 2 SHALL BE THE LAST PAVING OPERATION FOR THE ENTIRE LENGTH OF THE PROJECT.
2. TACK COAT SHALL BE PLACED BETWEEN BITUMINOUS CONCRETE LIFTS.
3. TOPSOIL AND TURF ESTABLISHMENT SHALL BE PLACED TO PROVIDE A SMOOTH, MOWABLE SURFACE AT THE SLOPE LIMITS.



WHITEFIELD DRIVE

STA. 61+40 TO STA. 61+70

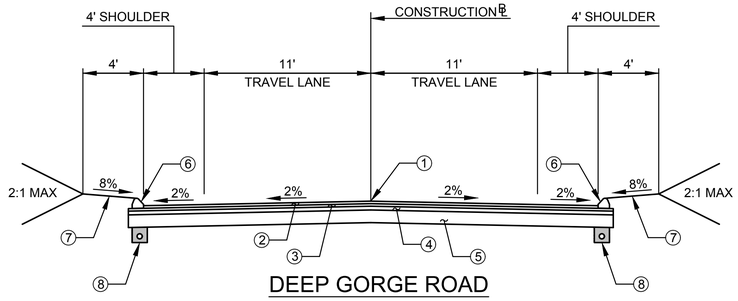
NOT TO SCALE



MOOSE HILL ROAD

STA. 10+75 TO STA. 12+40

NOT TO SCALE



DEEP GORGE ROAD

STA. 70+35 TO STA. 71+35

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

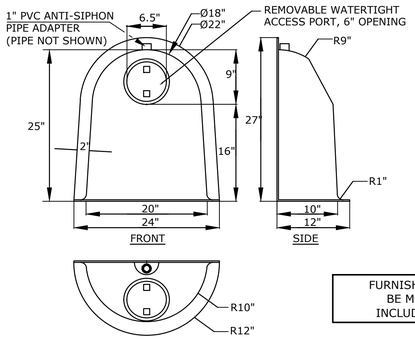
DRAWING TITLE: TYPICAL SECTION

PROJECT NO.: L144-0001

DRAWING NO.: TYP-1

SHEET NO.: 03.02

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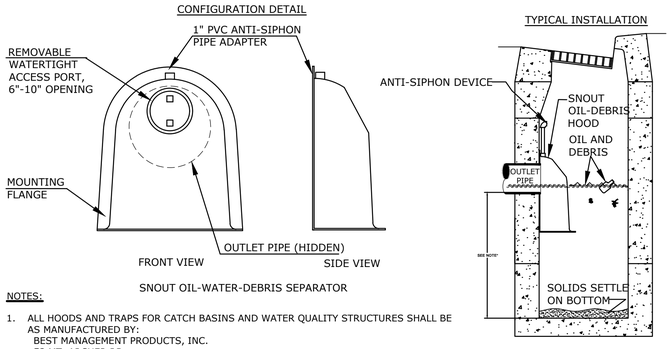
FURNISHING AND INSTALLING SNOUTS WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE CATCH BASINS

NOTES: INSTALL ON CATCH BASINS WITH 15" HDPE OUTLETS

18F SNOUT OIL & DEBRIS STOP

NOT TO SCALE

NOTE: INSTALL 24F SNOUT ON 18" HDPE OUTLETS

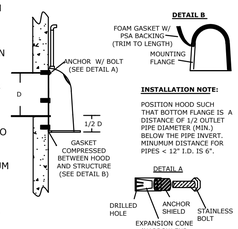


SNOUT OIL-WATER-DEBRIS SEPARATOR

NOTES:

1. ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY:
   BEST MANAGEMENT PRODUCTS, INC.
   53 MT. ARCHER RD.
   LYME, CT 06371 (860) 434-0277, (860) 434-3195 FAX
   TOLL FREE: (800) 504-8008 OR (888) 434-0277
   WEB SITE: www.bmpinc.com
   OR PRE-APPROVED EQUAL
2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL)
4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION (SNOUT SIZE ALWAYS LARGER THAN PIPE SIZE).
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
8. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8' STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED NSTALLATION KIT.
   INSTALLATION KIT SHALL INCLUDE:
   A. INSTALLATION INSTRUCTIONS
   B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
   C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
   D. 3/8" STAINLESS STEEL BOLTS
   E. ANCHOR SHIELDS

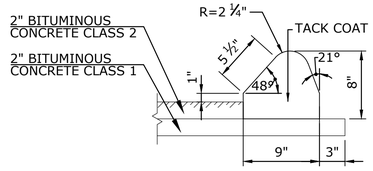
INSTALLATION DETAIL



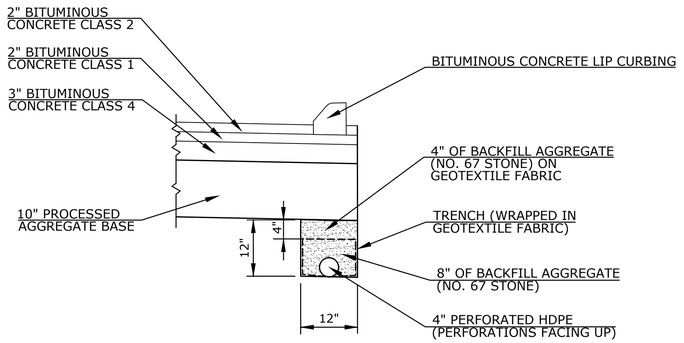
HOOD SPECIFICATION FOR
CATCH BASINS AND
WATER QUALITY STRUCTURES

SNOUT OIL- DEBRIS HOOD

NOT TO SCALE

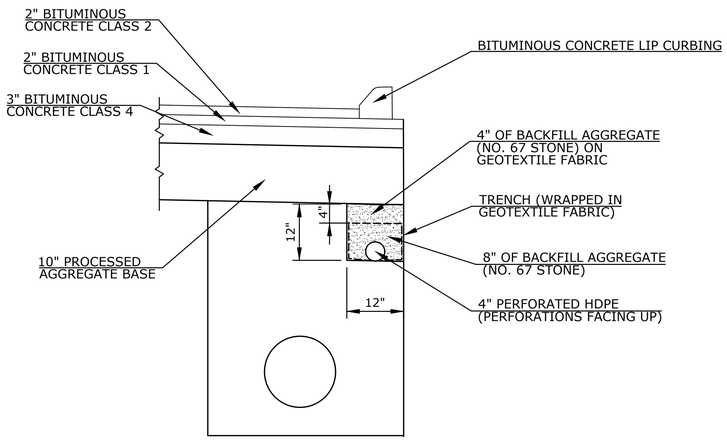


6" BITUMINOUS CONCRETE LIP CURBING



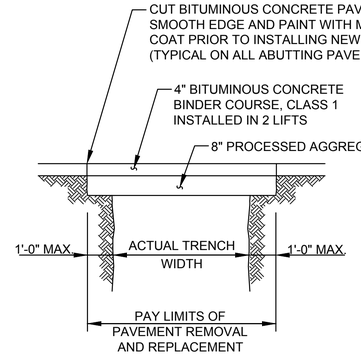
4" EDGEDRAIN UNDER CURBING

NOT TO SCALE



CULVERT AND EDGEDRAIN IN THE SAME TRENCH

NOT TO SCALE

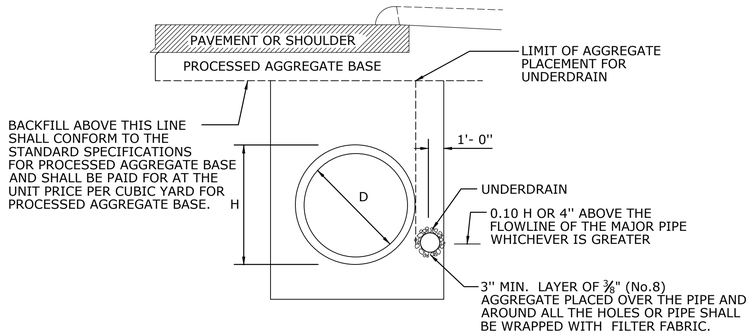


NOTE: THIS WORK AND MATERIAL FOR TRENCH SURFACE RESTORATION WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD UNDER ITEM #0406002 - "TEMPORARY PAVEMENT"
CUT BITUMINOUS CONCRETE PAVEMENT WILL BE PAID FOR UNDER ITEM #0202529 - "CUT BITUMINOUS CONCRETE PAVEMENT"

TRENCH SURFACE RESTORATION (TEMPORARY PAVEMENT)

NOT TO SCALE

ALL UTILITY AND STORM DRAINAGE TRENCHES IN THE ROADWAY SHALL BE RESTORED WITH TEMPORARY PAVEMENT AT THE END OF EACH WORK DAY.



NOTE:
PAY LIMIT FOR TRENCH EXCAVATION AND BEDDING SHALL BE THE SAME AS FOR THE CULVERT ALONE. MATERIAL ABOVE THE BEDDING SHALL BE SUITABLE MATERIAL OR GRANULAR FILL.

CULVERT AND UNDERDRAIN IN THE SAME TRENCH

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

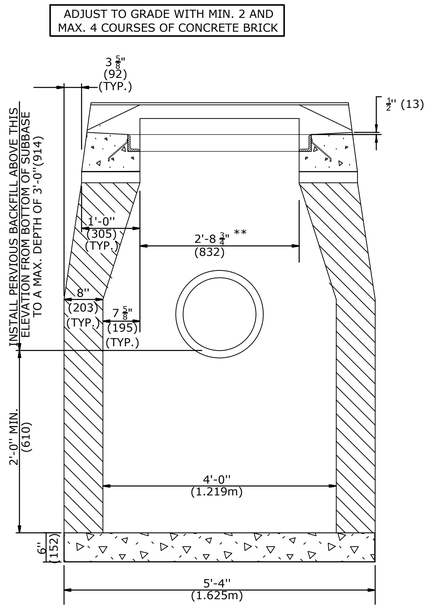
PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

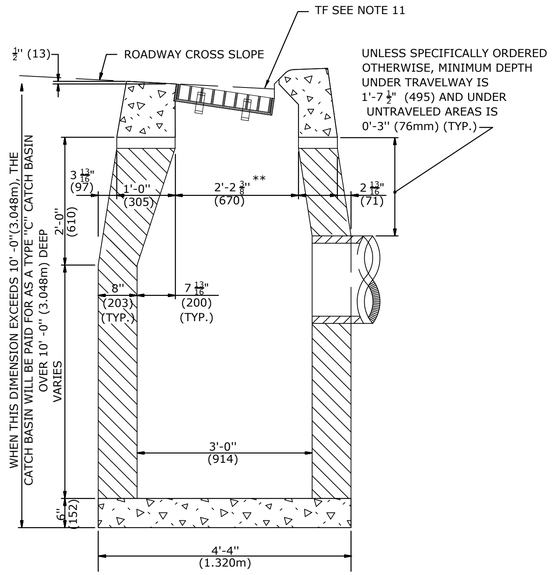
PROJECT NO.: L144-0001
DRAWING NO.: MDS-1
SHEET NO.: 03.03

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SECTION A

TYPE "C" & "C-L" CATCH BASIN
(TYPE "C" TOP SHOWN)

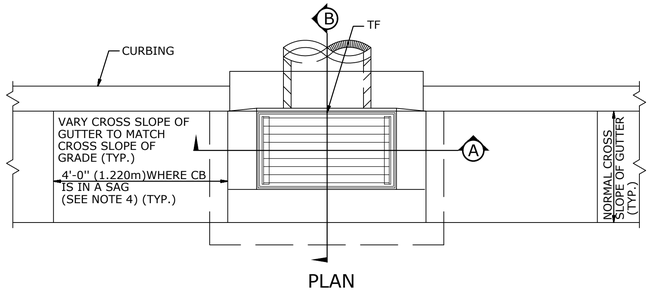


SECTION B

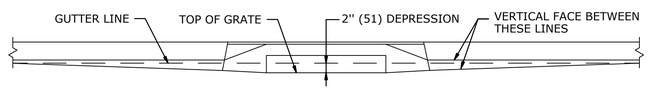
TYPE "C" CATCH BASIN

GENERAL NOTES:

1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET MDS-5.
2. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS. IF CURBING IS NOT SPECIFIED ON THE PLANS, IT SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
3. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL. THE COST FOR THE PAPER SHALL BE INCLUDED IN THE BID PRICE FOR THE TYPE OF CATCH BASIN INSTALLED.
4. USE 6'-0" (1.830m) ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'-0" (305mm) ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
5. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE OVER ALL DIMENSIONS SHOWN HERE AND SECTION 5.07 OF THE STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3" (75mm.) NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY **.
6. WALL THICKNESS OF ALL CB'S OVER 10' (3.048m) DEEP SHALL BE INCREASED TO 12" (305mm) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" (305mm) THICKNESS WILL START AFTER THE FIRST 10' (3.048m).
7. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF THE PERVIOUS BACKFILL.
8. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI (27,580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
9. LATEST STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
10. SPACER MAY BE CMU OR PRECAST WITH REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE PROPER GRADE SHOWN ON PLANS.
11. TOP OF FRAME (TF) ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE @ GUTTER LINE.
12. WHERE CATCH BASINS REQUIRE A SNOUT, THE SNOUT WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE PRICE FOR THE CATCH BASIN.



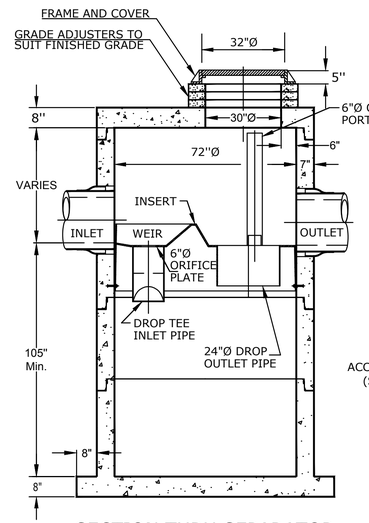
PLAN



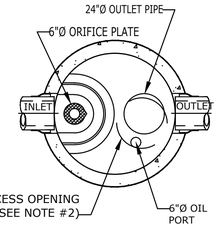
FOR CATCH BASINS IN A LINE OF 6" (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

DETAILS OF DEPRESSED GUTTER STRIP
FOR TYPE "C" CATCH BASIN

ADJUST TO GRADE WITH MIN. 2 AND MAX. 4 COURSES OF CONCRETE BRICK



SECTION THRU SEPARATOR



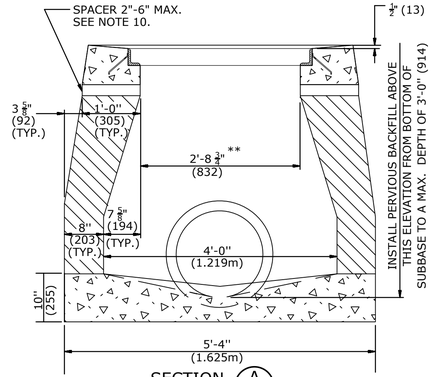
PLAN VIEW

Notes:

1. THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET.
2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL PORT.

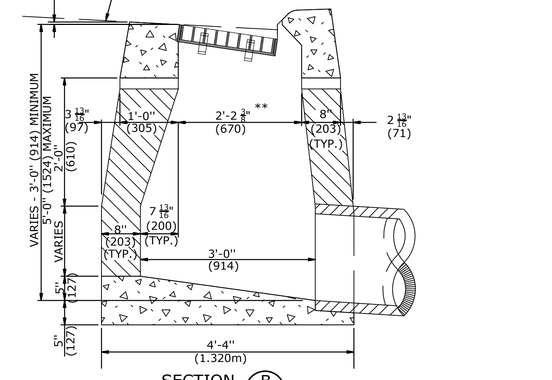
HYDRODYNAMIC SEPARATOR (SITE NO.1)

ADJUST TO GRADE WITH MIN. 2 AND MAX. 4 COURSES OF CONCRETE BRICK



SECTION A

TYPE "C" & "C-L" DROP INLET
(TYPE "C-L" TOP SHOWN)



SECTION B

TYPE "C" DROP INLET

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

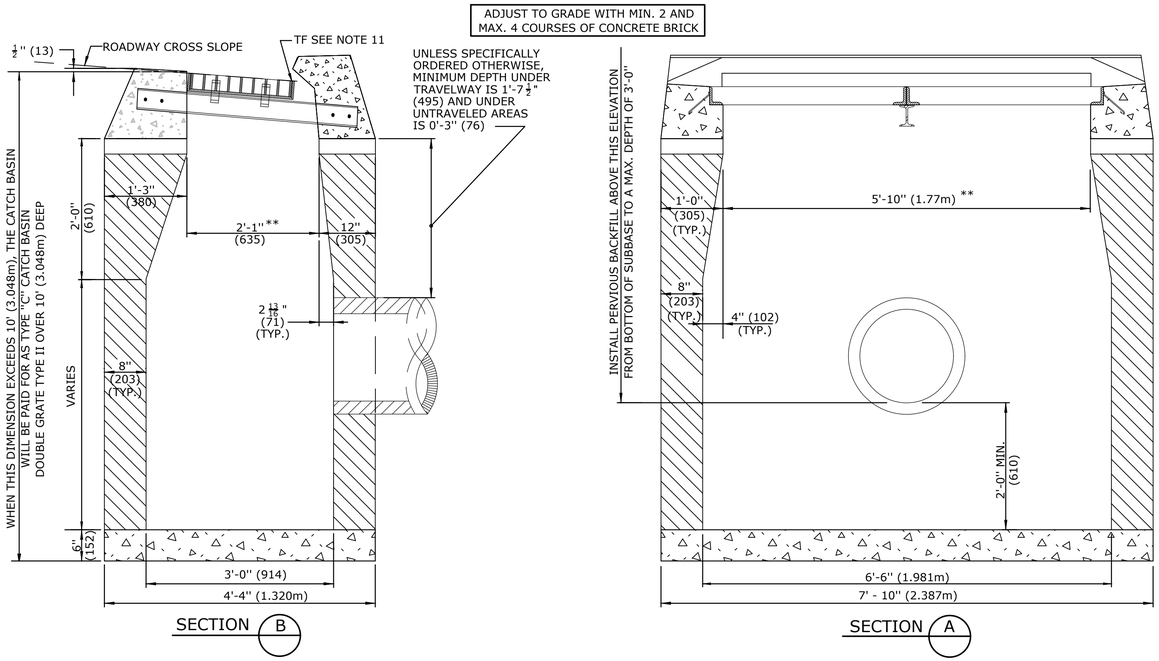
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TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

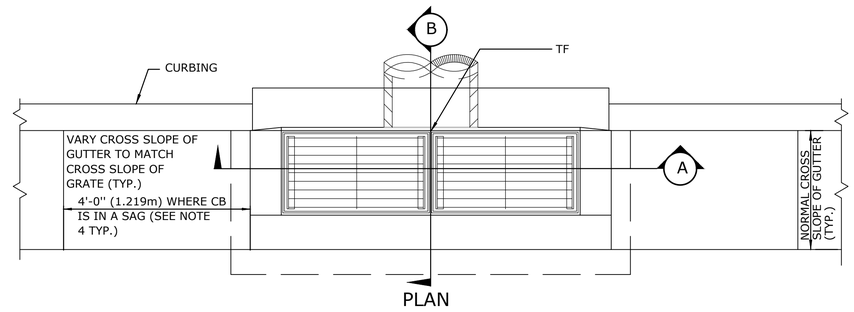
PROJECT NO.: L144-0001
DRAWING NO.: MDS-2
SHEET NO.: 03.04

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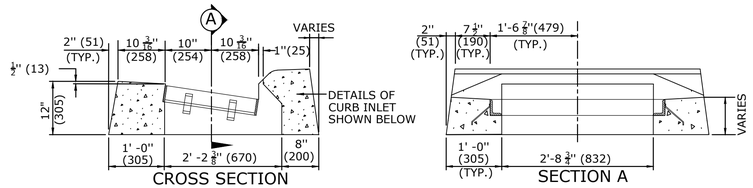


GENERAL NOTES:

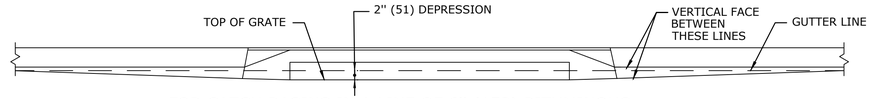
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET MDS-5.
2. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS. IF CURBING IS NOT SPECIFIED ON THE PLANS, IT SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
3. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL. THE COST FOR THE PAPER SHALL BE INCLUDED IN THE BID PRICE FOR THE TYPE OF CATCH BASIN INSTALLED.
4. USE 6'-0'' (1.830m) ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'-0" (305) ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
5. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE OVER ALL DIMENSIONS SHOWN HERE AND SECTION 5.07 OF THE STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3" (75). NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY **.
6. WALL THICKNESS OF ALL CB'S OVER 10' (3.048m)DEEP SHALL BE INCREASED TO 12'' (305) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (12'' (305) THICKNESS WILL START AFTER THE FIRST 10' (3.048m)).
7. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF THE PERVIOUS BACKFILL.
8. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI (27,580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
9. LATEST STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
10. SPACER MAY BE CMU OR PRECAST WITH REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE PROPER GRADE SHOWN ON PLANS.
11. TOP OF FRAME (TF) ELEVATION SHALL BE MEASURED IN BETWEEN BOTH GRATES @ THE GUTTER.
12. WHERE CATCH BASINS REQUIRE A SNOUT, THE SNOUT WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE PRICE FOR THE CATCH BASIN.



PLAN

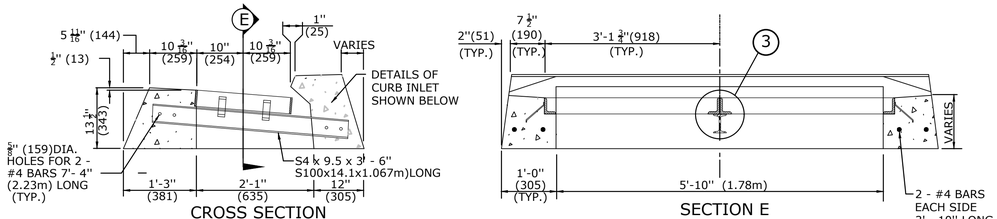


TYPE ''C'' CATCH BASIN TOP

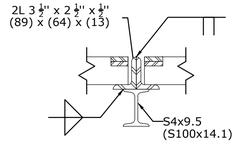


FOR CATCH BASINS IN A LINE OF 6'' (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)

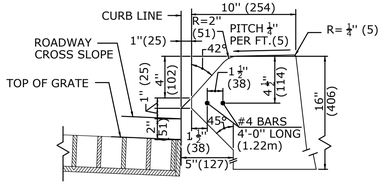
DETAILS OF DEPRESSED GUTTER STRIP
FOR TYPE ''C'' CATCH BASIN DOUBLE GRATE TYPE II



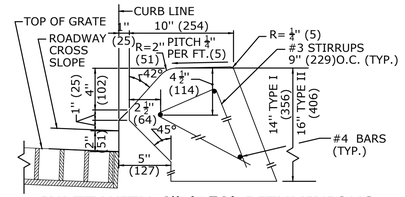
TYPE ''C'' CATCH BASIN DOUBLE GRATE - TYPE II TOP



DETAIL ''3''



INLET WITH 6'' (152) BITUMINOUS CONCRETE LIP CURBING FOR TYPE ''C'' CB



INLET WITH 6'' (152) BITUMINIOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II

GENERAL NOTES:

1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET MDS-5.
2. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
3. ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

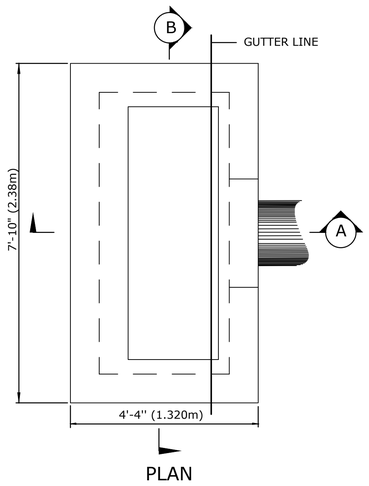
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001

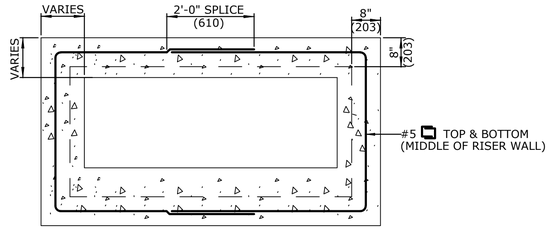
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SHEET NO.: 03.05

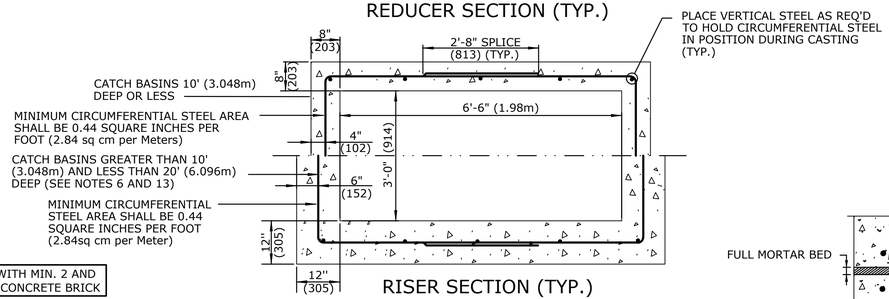
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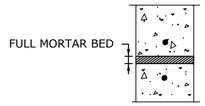
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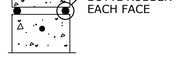
REDUCER SECTION (TYP.)



RISER SECTION (TYP.)



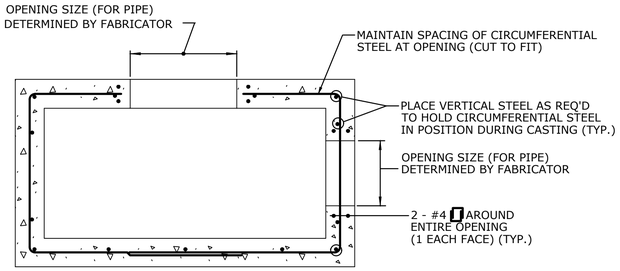
MORTAR JOINT
DETAIL



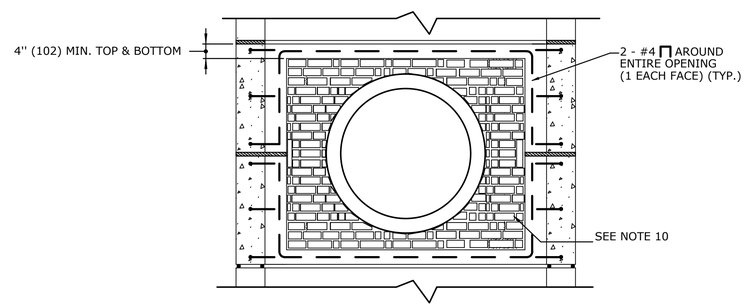
BUTYL RUBBER
JOINT DETAIL

GENERAL NOTES:

1. REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60.
2. DETAILS ON THIS SHEET SHOW STANDARD REINFORCEMENT. WELDED WIRE FABRIC WITH AN AREA EQUAL TO OR GREATER THAN THE REINFORCING SHOWN MAY BE SUBSTITUTED.
3. ALL LAP SPLICES, DEVELOPMENT LENGTHS, BENDS FOR REINFORCEMENT, AND WELDED WIRE FABRIC SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.
4. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2"(51), EXCEPT FOR BENEATH BOTTOM REINFORCEMENT IN TOP SLABS, WHERE THE MINIMUM MAY BE 1 ½" (38).
5. MINIMUM CONCRETE COMPRESSIVE STRENGTH Fc' = 4000 PSI (27.580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
6. BASES AND RISERS AT A DEPTH OF 20' (6.096m) AND GREATER SHALL BE DESIGNED BY THE CONTRACTOR AND WORKING DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
7. SEE STANDARD SHEET HW-507_08 FOR CATCH BASIN FRAMES AND GRATES.
8. FOR DOT MAINTENANCE PERSONNEL, RISERS MAY BE PREFABRICATED WITH PIPE OPENINGS IN ALL FOUR WALLS. ADEQUATE REINFORCING AROUND PIPE OPENINGS CONFORMING TO THESE PLANS SHALL BE PROVIDED. ANY RISERS USED WHERE A PIPE OPENING IS TO REMAIN IN PLACE, MUST BE FORMED UP WITH BRICK AS DIRECTED BY THE ENGINEER.
9. RISERS SHALL NEVER HAVE CORNER PIPE ENTRIES. WHERE THE ALIGNMENT OF THE PIPE WITH RESPECT TO THE CORNER OF THE CATCH BASIN CANNOT BE CHANGED, A ROUND STRUCTURE CONFORMING TO ASTM C478 SHALL BE USED. REINFORCING FOR THE ROUND TOP SLAB WITH A RECTANGULAR OPENING SHALL CONFORM TO DETAILS SHOWN HERE.
10. ALL PIPE OPENINGS SHALL BE CLOSED USING MATERIALS WHICH CONFORM TO STATE OF CONNECTICUT STANDARD SPECIFICATIONS SECTION M.08.02. IF THE ENGINEER DETERMINES THAT THE CLOSURE OF ANY PIPE OPENING IS UNSATISFACTORY, THE CONTRACTOR SHALL RECLOSE SAID OPENING AT NO ADDITIONAL COST TO THE STATE. OPENINGS FOR PIPE SHALL NOT RESULT IN A REDUCED WALL THICKNESS.
11. THE LATEST STATE OF CONNECTICUT STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
12. FOR ADDITIONAL DETAILS, SEE OTHER CATCH BASIN SHEETS.
13. WALL THICKNESS OF ALL CB'S OVER 10' (3.048m) DEEP SHALL BE INCREASED TO 12'' (305) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (THE 12'' (305) THICKNESS WILL START AFTER THE FIRST 10' (3.048m).)
14. BUTYL RUBBER JOINT SEAL SHALL CONFORM TO AASHTO M-198 AND MORTAR SHALL CONFORM TO THE LATEST STATE OF CONNECTICUT STANDARD SPECIFICATIONS MATERIAL SECTION M11.04.
15. WHERE CATCH BASINS REQUIRE A SNOUT, THE SNOUT WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE PRICE FOR THE CATCH BASIN.

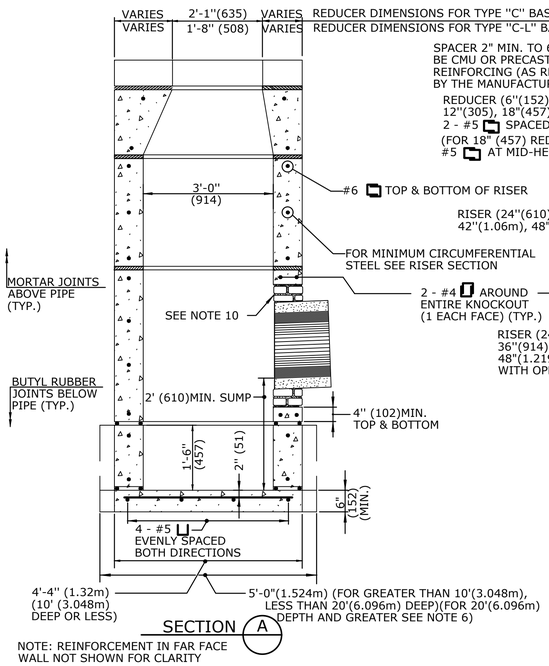


TYPICAL SECTION THRU SINGLE RISER
WITH OPENINGS



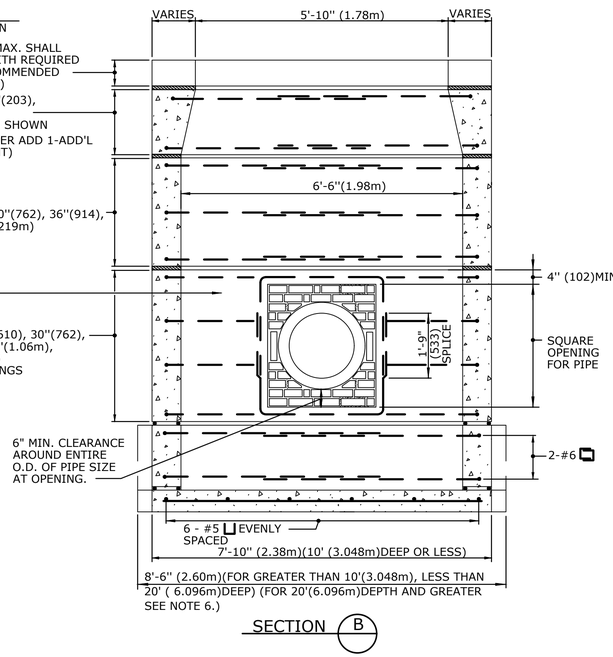
DOUBLE RISER OPENING (TYP.)
PIPES GREATER THAN 24" (610) O.D.

ADJUST TO GRADE WITH MIN. 2 AND
MAX. 4 COURSES OF CONCRETE BRICK



SECTION A

NOTE: REINFORCEMENT IN FAR FACE
WALL NOT SHOWN FOR CLARITY



SECTION B

PRECAST CONCRETE TYPE "C" & "C-L" DOUBLE GRATE TYPE II CATCH BASIN
(UNDER 10' (3.048m) DEEP SHOWN)

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

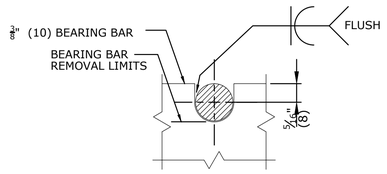
PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

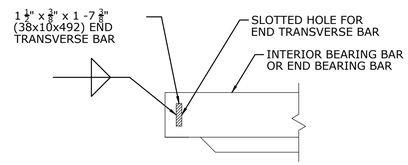
PROJECT NO.: L144-0001
DRAWING NO.: MDS-4
SHEET NO.: 03.06

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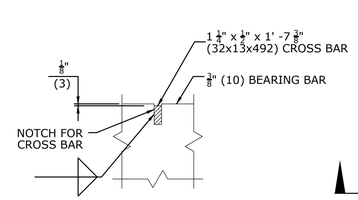


NOTE:
⅜" (16) DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

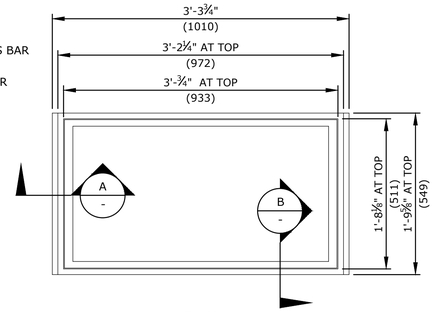
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A & B



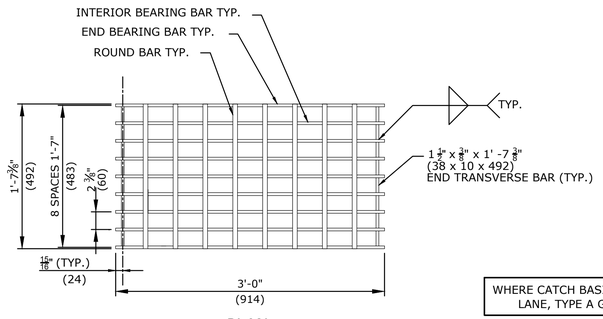
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



PLAN

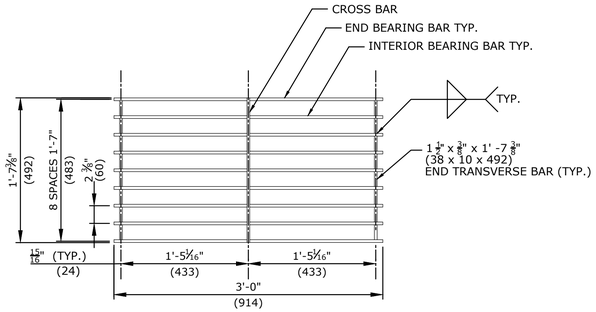
GENERAL NOTES:

1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" & "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. STEEL FRAMES AND GRATES SHALL BE GALVANIZED IN ACCORDANCE WITH ARTICLE M.06.03.
5. CAST IRON FRAMES AND GRATES SHALL BE GALVANIZED.
6. DIMENSIONAL TOLERANCES SHALL BE ± 1/16" (1.6).
7. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.
8. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS STRUCTURAL WELDING CODE, D1.1.

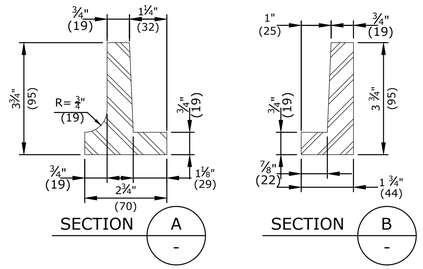


PLAN

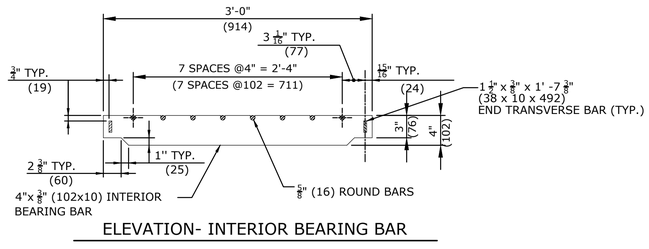
WHERE CATCH BASINS ARE IN OR NEAR A BIKE LANE, TYPE A GRATES SHALL BE USED



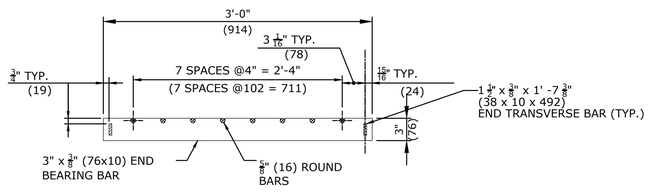
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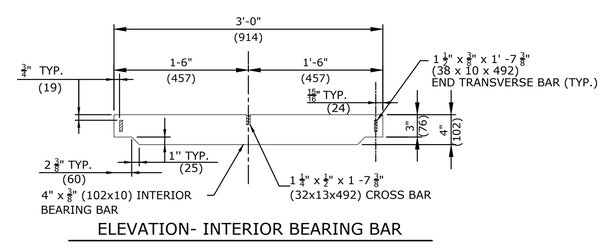
CAST IRON FRAME ALTERNATE



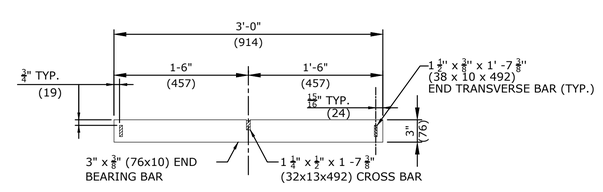
ELEVATION- INTERIOR BEARING BAR



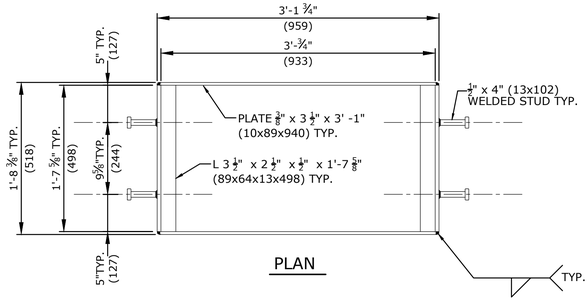
ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



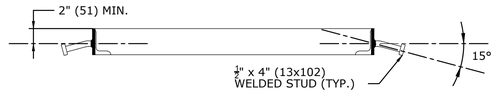
ELEVATION- INTERIOR BEARING BAR



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



PLAN



WELDED STUD ANCHOR DETAILS
STEEL FRAME

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

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CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

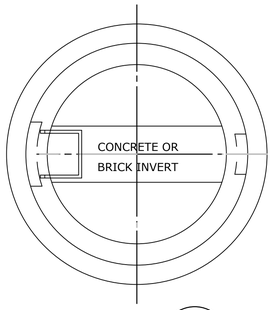
PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

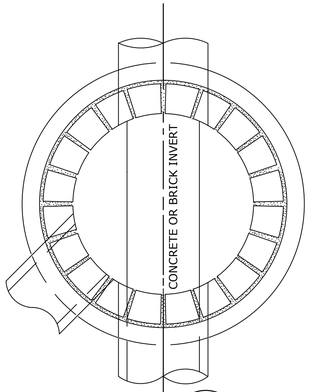
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-5
SHEET NO.: 03.07

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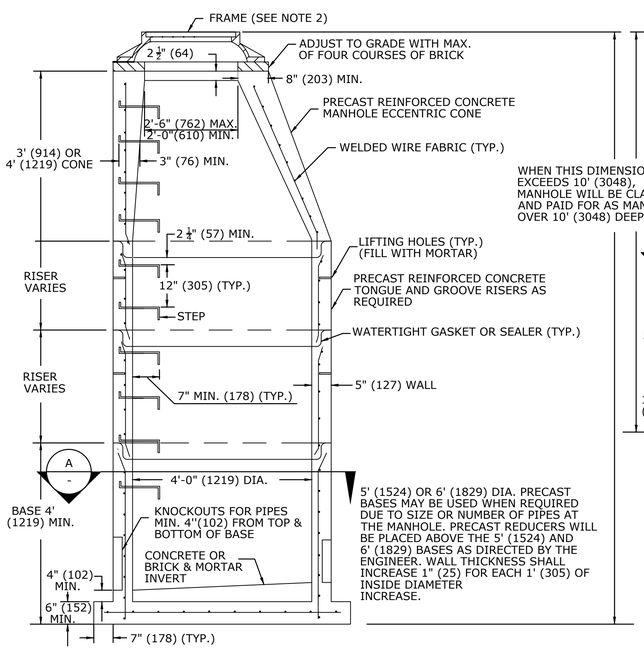


SECTION A -



SECTION B -

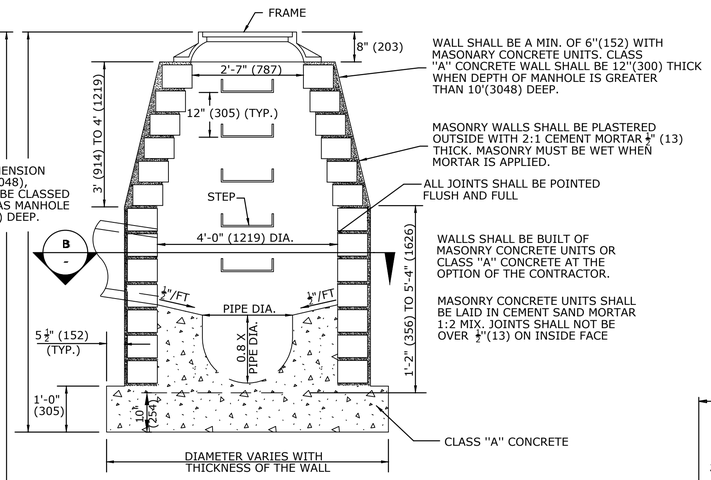
ADJUST TO GRADE WITH MIN. 2 AND MAX. 4 COURSES OF CONCRETE BRICK



ELEVATION

MANHOLE

REINFORCED PRECAST CONCRETE UNIT



ELEVATION

MANHOLE

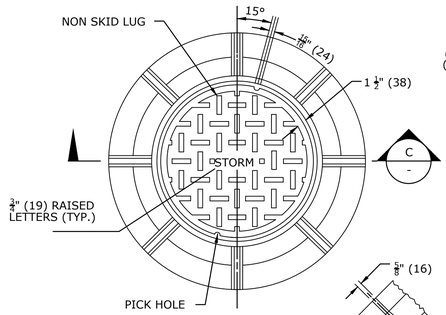
MASONARY CONCRETE UNIT OR CLASS "A" CONCRETE

GENERAL NOTES:

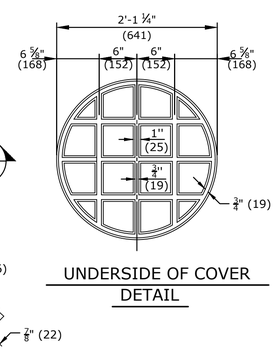
1. CHANNELS MAY BE SHAPED IN CONCRETE BASE OF MANHOLE OR FORMED USING BRICK OR MASONRY.
2. A FRAME DIAMETER OF 3'-3" (991) WITH 4" (102) FLANGE MUST BE USED WHEN THE TOP DIAMETER OF THE PRECAST CONE IS LESS THAN 3'-6" (1047). ALL OTHER FRAME DIMENSIONS SHALL REMAIN THE SAME.
3. COVER:

	CAST IRON	STEEL
MIN. COVER WEIGHT	134LB.(61kg)	134LB.(61kg)

4. ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.

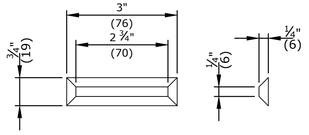


PLAN

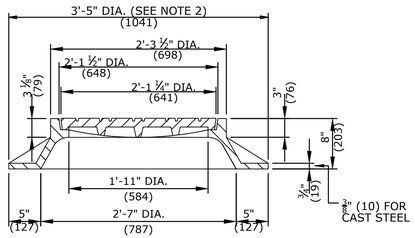


UNDERSIDE OF COVER DETAIL

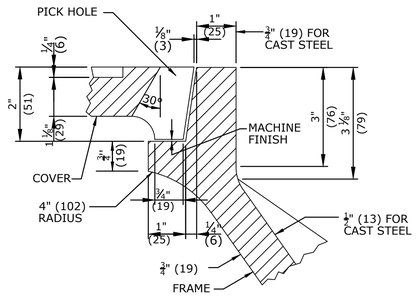
MANHOLE FRAME AND COVER TO BE PATTERN 1047.



NON SKID LUG DETAIL



SECTION C -



DETAIL OF SEAT

FRAME AND COVER DETAILS

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

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SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN. CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

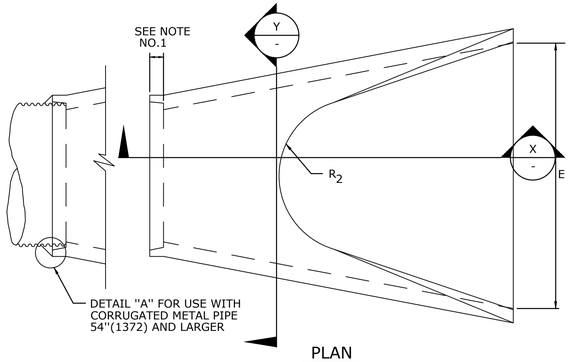
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PROJECT NO.: L144-0001

DRAWING NO.: MDS-6

SHEET NO.: 03.08

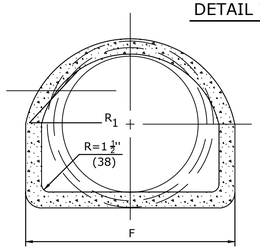
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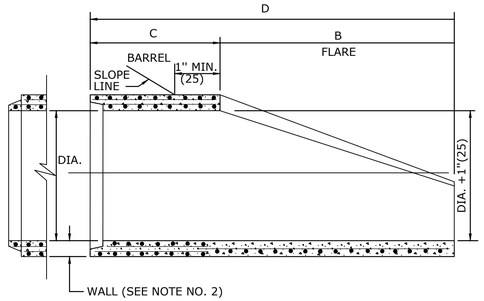
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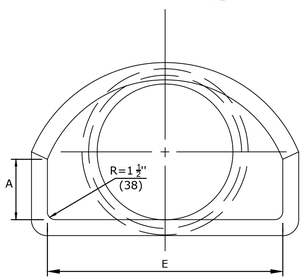


DETAIL "A"



SECTION Y / -





END VIEW

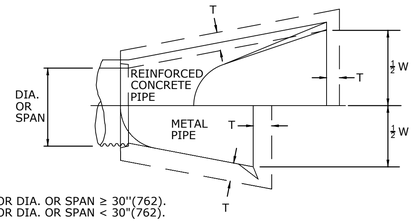
SECTION X / -

REINFORCED CONCRETE PIPE END

DIMENSIONS FOR REINFORCED CONCRETE PIPE END									FLARE REINFORCEMENT ONE LAYER ONLY IN CENTER OF WALL	
DIA.	A	B	C	D	E	F	R_1	R_2	MIN. AREA OF LONGITUDINAL STEEL SQ. IN. PER FT.	MIN. AREA OF TRANSVERSE STEEL SQ. IN. PER FT.
12"(305)	4"(102)	2'-0"(610)	4'-0 $\frac{3}{8}$" (1241)	6'-0 $\frac{3}{8}$" (1851)	2'-0"(610)	1'-7 $\frac{15}{16}$" (506)	10 $\frac{1}{4}$" (260)	9"(229)	0.048	0.048
15"(381)	6"(152)	2'-3"(686)	3'-10"(1168)	6'-1"(1854)	2'-6"(762)	2'-0 $\frac{15}{16}$" (618)	1'-0 $\frac{1}{2}$" (318)	11"(279)	0.054	0.054
18"(457)	9"(229)	2'-3"(686)	3'-10"(1168)	6'-1"(1854)	3'-0"(914)	2'-5"(737)	1'-3 $\frac{1}{2}$" (394)	1'-0"(305)	0.060	0.060
21"(533)	9"(229)	2'-11"(889)	3'-2"(965)	6'-1"(1854)	3'-6"(1067)	2'-7 $\frac{1}{2}$" (800)	1'-4"(406)	1'-1"(330)	0.066	0.066
24"(610)	9 $\frac{1}{2}$"(241)	3'-7 $\frac{1}{2}$"(1105)	2'-6"(762)	6'-1 $\frac{1}{2}$" (1867)	4'-0"(1219)	2'-9 $\frac{3}{16}$" (843)	1'-4 $\frac{13}{16}$" (427)	1'-2"(356)	0.072	0.072
30"(762)	1'-0"(305)	4'-6"(1371)	1'-7 $\frac{3}{4}$" (502)	6'-1 $\frac{3}{4}$" (1873)	5'-0"(1524)	3'-1"(940)	1'-6 $\frac{3}{8}$" (470)	1'-3"(381)	0.084	0.084
36"(914)	1'-3"(381)	5'-3"(1600)	2'-10 $\frac{3}{4}$" (883)	8'-1 $\frac{3}{4}$" (2483)	6'-0"(1829)	3'-11 $\frac{13}{16}$" (1214)	2'-0 $\frac{9}{16}$" (618)	1'-8"(508)	0.096	0.096
42"(1067)	1'-9"(534)	5'-3"(1600)	2'-11"(889)	8'-2"(2489)	6'-6"(1981)	4'-5 $\frac{7}{8}$" (1368)	2'-3 $\frac{1}{2}$" (699)	1'-10"(559)	0.108	0.108
48"(1219)	2'-0"(610)	6'-0"(1829)	2'-2"(660)	8'-2"(2489)	7'-0"(2134)	4'-8 $\frac{1}{2}$" (1435)	2'-4 $\frac{1}{2}$" (724)	1'-10"(559)	0.120	0.120
54"(1372)	2'-3"(686)	5'-5"(1651)	2'-11"(889)	8'-4"(2540)	7'-6"(2286)	5'-5 $\frac{1}{2}$" (1664)	2'-9 $\frac{1}{2}$" (841)	2'-0"(610)	0.132	0.132
60"(1524)	2'-9"(838)	5'-0"(1524)	3'-3"(991)	8'-3"(2515)	8'-0"(2438)	6'-0 $\frac{1}{2}$" (1842)	3'-0 $\frac{11}{16}$" (932)	2'-0"(610)	0.144	0.144

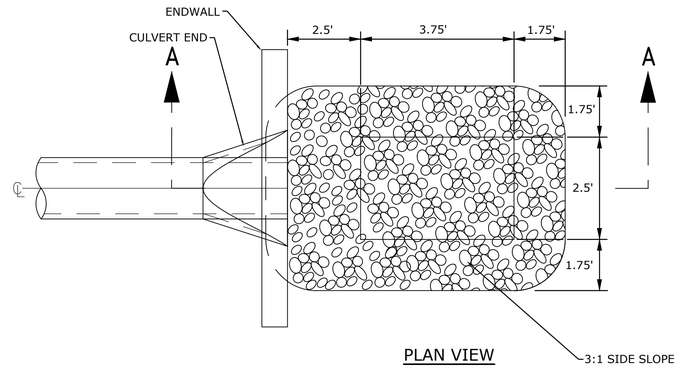
GENERAL NOTES:

1. JOINTS SHALL BE TONGUE AND GROOVE OR BELL AND SPIGOT AS REQUIRED TO CONFORM TO PIPE INSTALLED.
2. WALL THICKNESS SHALL CONFORM TO PIPE THICKNESS.

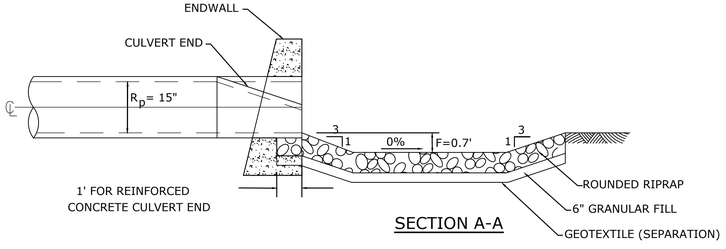


NOTE:
T = 18"(457) FOR DIA. OR SPAN ≥ 30"(762).
T = 12"(305) FOR DIA. OR SPAN < 30"(762).

HORIZONTAL PAY LIMITS FOR TRENCH EXCAVATION-PIPE ENDS



PLAN VIEW



SECTION A-A

PREFORMED SCOUR HOLE-TYPE I

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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SCALE 1"=20'

Luchs CONSULTING ENGINEERS
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TELEPHONE: 203-379-0320

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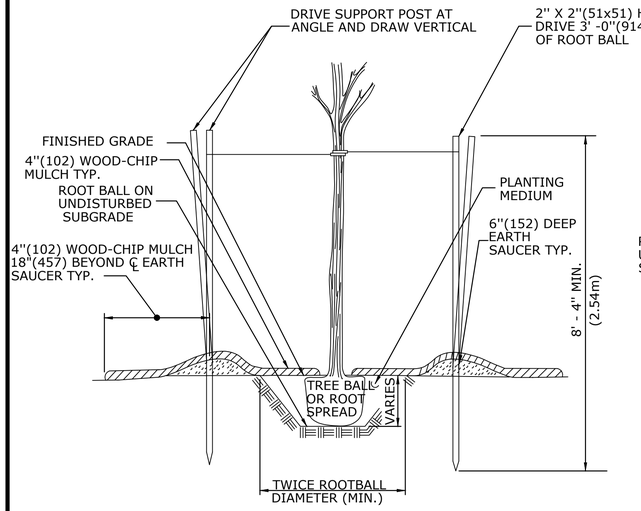
PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-7
SHEET NO.: 03.09

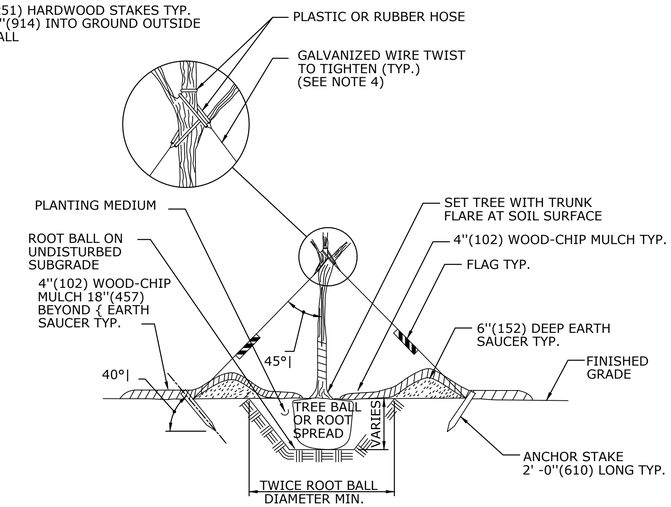
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SECTION A

NOTE:

USE 3 POSTS FOR STAKING DECIDUOUS TREES 3''(76) CALIPER OR GREATER AND EVERGREEN TREES 8' (2.4m) HIGH OR GREATER. USE 2 POSTS FOR STAKING DECIDUOUS TREES LESS THAN 3''(76) CALIPER AND EVERGREEN TREES LESS THAN 8' (2.4m) HIGH.



SECTION B

EXAMPLES OF MINIMUM SIZE OF ROOT BALL FOR NURSERY GROWN PLANTS.		
CALIPER* INCHES(mm)	BALL DIAMETER INCHES(mm)	PLANTING PIT SIZE INCHES(mm)
-	8(203)	16(406)
-	10(254)	20(508)
½(12.5)	12(304)	24(610)
¾(19)	14(356)	28(711)
1(25)	16(406)	32(813)
1½(38)	20(508)	40(1016)
2(50)	24(610)	48(1219)
2½(65)	28(711)	56(1422)
3(75)	32(813)	64(1626)
3½(90)	38(965)	76(1930)
4(100)	42(1166)	84(2134)
5(125)	54(1372)	108(2743)
6(150)**	-	-

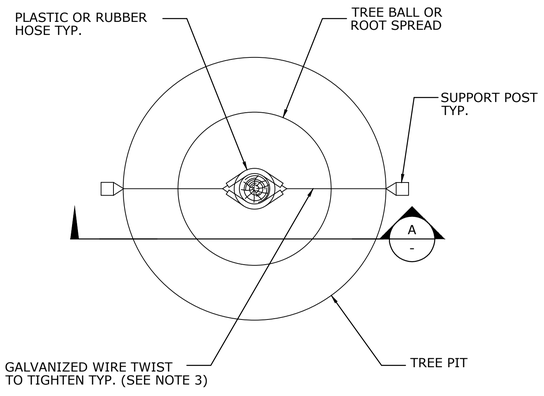
* THE CALIPER OF THE TRUNK IS MEASURED 6''(152) ABOVE THE GROUND UP TO AND INCLUDING 4''(102) SIZES AND 12''(305) ABOVE THE GROUND FOR LARGER SIZES OR AS SPECIFED IN THE MOST RECENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

** TREES GREATER THAN OR EQUAL TO 6''(152) CALIPER SHALL HAVE A ROOT BALL DIAMETER EQUAL TO 10''(254) PER INCH(25mm) OF TRUNK CALIPER (A 7''(178) CALIPER TREE SHOULD HAVE A ROOT BALL DIAMETER EQUAL TO 70''(1778)).

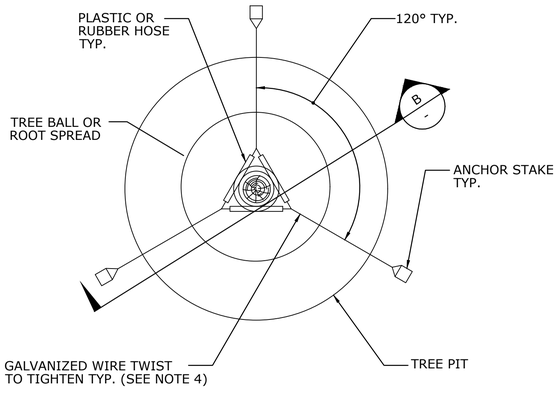
GENERAL NOTES:

1. THE PLANTING PIT SIZE SHALL BE TWICE THE DIAMETER OF THE ROOT BALL IN WIDTH AND 2''(51) LESS THAN THE HEIGHT OF THE ROOT BALL.
2. ALL EXTERIOR PACKAGING MATERIAL APPLIED TO PLANTS SHALL BE REMOVED AFTER THE PLANT IS LOCATED IN THE PLANTING PIT. CUT AND REMOVE TWINE, BURLAP OR WIRE BASKETS FROM THE TOP 2/3RDS OF THE ROOT BALL.
3. USE DOUBLE STRAND NO. 12 WIRE FOR DECIDUOUS TREES GREATER THAN OR EQUAL TO 3''(76) CALIPER AND USE DOUBLE STRAND NO. 10 WIRE FOR EVERGREEN TREES GREATER THAN OR EQUAL TO 8''(203) CALIPER.
4. TREE TRUNK WRAPPING MATERIAL SHALL BE USED AS DIRECTED BY THE ENGINEER.
5. PLANTING PITS FOR INDIVIDUAL SHRUBS ON SLOPES SHALL BE THREE TIMES THE DIAMETER OF THE ROOT BALL IN WIDTH.

GUYING PLAN

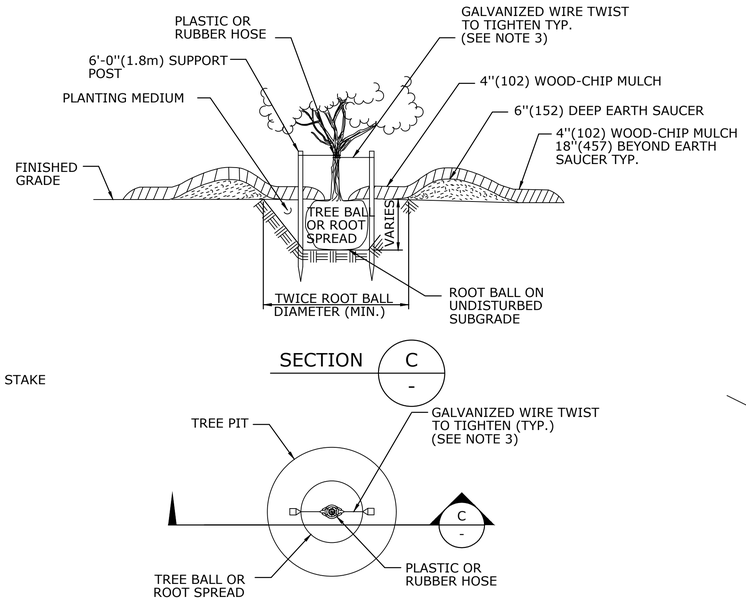


PLAN



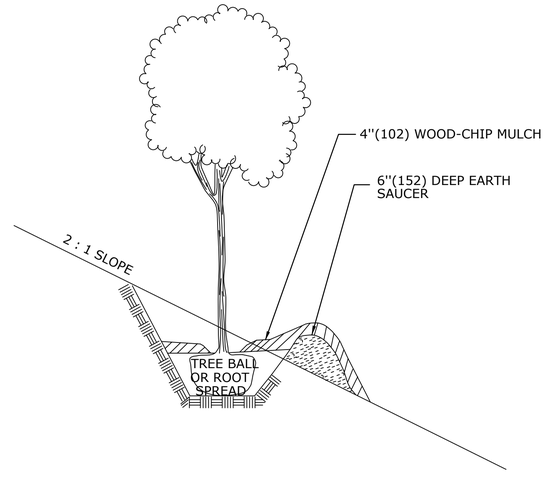
PLAN

STAKING PLAN



PLAN

STAKING PLAN FOR LOW BRANCHING DECIDUOUS AND EVERGREEN TREES FROM 5'(1.5m) TO 8'(2.4m) HIGH.



GRADING PLAN FOR TREES ON SLOPES

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

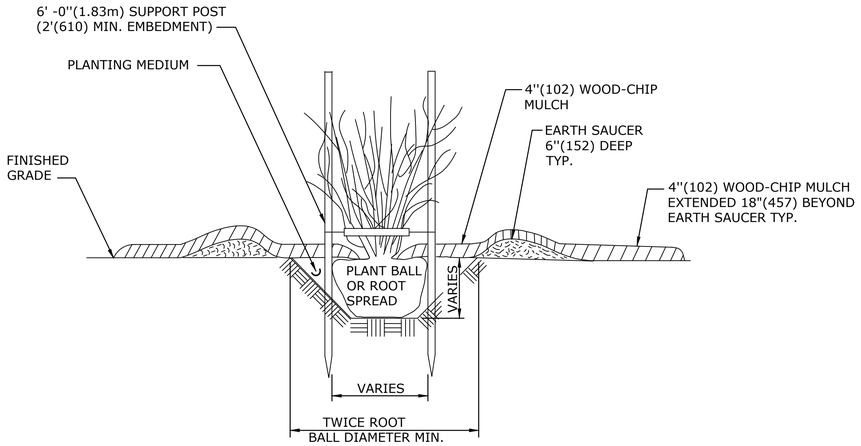
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001

DRAWING NO.: MDS-8

SHEET NO.: 03.10

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SECTION A
-

EXAMPLES OF MINIMUM CONTAINER SIZES FOR NURSERY GROWN PLANTS

CALIPER* INCHES(mm)	HEIGHT** FEET(mm)	CONTAINER SIZE GALLONS(LITERS)
-	1(305)	0.7-1.1(2.6-4.2)
-	2(610)	0.7-1.1(2.6-4.2)
-	3(914)	0.7-1.1(2.6-4.2)
-	4(1219)	1.4-2.0(5.3-7.6)
-	5(1524)	3.4-4.2(12.9-15.9)
-	6(1829)	4.7-5.4(17.8-20.4)
1(25)	7(2134)	5.8-7.8(21.9-29.5)
-	8(2438)	9.0-11.5*34.1-43.5)
1½(38)	-	12.0-16.0(45.4-60.6)
2(51)	-	25.0-29.7(94.6-112.4)
2½(64)	-	25.0-29.7(94.6-112.4)

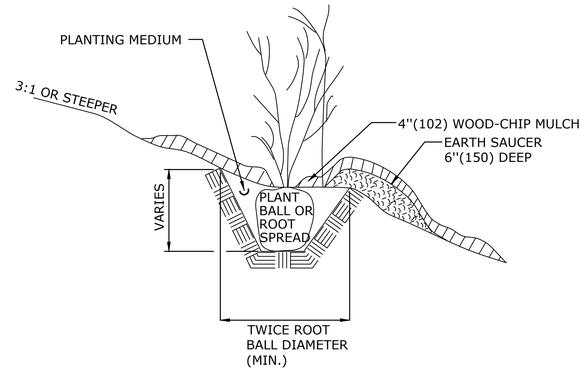
* THE CALIPER IS MEASURED 4''(102) ABOVE GROUND LEVEL.

** ONLY DECIDUOUS SHRUBS ARE INCLUDED IN THIS TABLE. EVERGREEN SHRUBS ARE MEASURED BY HEIGHT BUT, CONTAINER SIZE DEPENDS ON BOTH SIZE AND SHAPE AND ARE GENERALLY 1 TO 2 SIZES LARGER THAN DECIDUOUS PLANTS.

GENERAL NOTES:

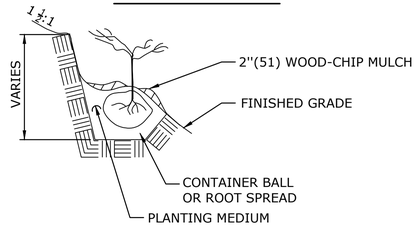
1. THE PLANTING PIT SIZE SHALL BE TWICE THE DIAMETER OF THE ROOT BALL IN WIDTH AND 2''(51) LESS THAN THE HEIGHT OF THE ROOT BALL.
2. ALL EXTERIOR PACKAGING MATERIAL APPLIED TO PLANTS SHALL BE REMOVED AFTER THE PLANT IS LOCATED IN THE PLANTING PIT. CUT AND REMOVE TWINE, BURLAP OR WIRE BASKETS FROM THE TOP 2/3RDS (17) OF THE ROOT BALL.
3. USE DOUBLE STRAND NO. 12 WIRE FOR DECIDUOUS TREES GREATER THAN OR EQUAL TO 3''(76) CALIPER AND USE DOUBLE STRAND NO. 10 WIRE FOR EVERGREEN TREES GREATER THAN OR EQUAL TO 8''(203) CALIPER.
4. TREE TRUNK WRAPPING MATERIAL SHALL BE USED AS DIRECTED BY THE ENGINEER.
5. PLANTING PITS FOR INDIVIDUAL SHRUBS ON SLOPES SHALL BE THREE TIMES THE DIAMETER OF THE ROOT BALL IN WIDTH.

TABLE FOR SHRUBS



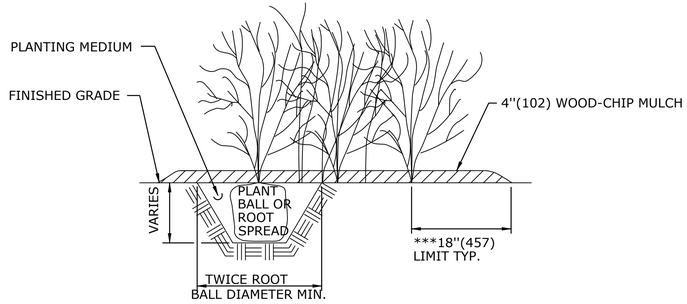
SECTION

PLANTING FOR SHRUBS IN INDIVIDUAL PITS ON SLOPES



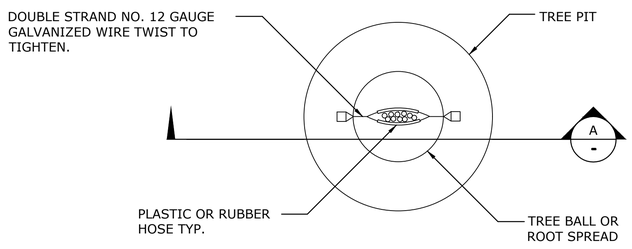
NOTE: PLACE PLANTS AT THE SAME DEPTH THAT THE SEEDLING WAS GROWN IN THE NURSERY.

PLANTING FOR SEEDLINGS, VINES AND GROUND COVER PLANTS IN PITS ON SLOPES



*** UNLESS OTHERWISE DIRECTED, WOOD-CHIP MULCH SHALL BE PLACED TO A LIMIT OF 18''(457) BEYOND THE CENTER OF THE OUTERMOST SHRUBS IN SHRUB BED.

PLANTING FOR SHRUBS IN BEDS



PLAN

STAKING FOR MULTI-STEMMED DECIDUOUS TREES FROM 5'(1.5m) TO 10'(3.0m) HIGH

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

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PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-9
SHEET NO.: 03.11

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E5 - SERIES

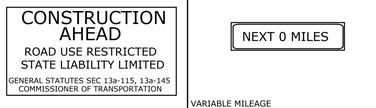
E5-1



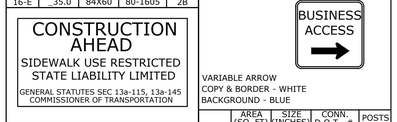
COPY & BORDER - WHITE
BACKGROUND - GREEN

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	16.0	48	51-6147	2

16 - SERIES



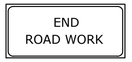
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-M	5.0	30X24	80-1613	1
16-H	17.5	60X42	80-1608	2
16-E	35.0	84X60	80-1605	2B



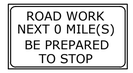
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
16-S	10.0	48X30	80-1619	2

G20 - SERIES

G20-2a



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	8.0	48X24	80-9612	2



VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	90.0	120X108	80-9728	_



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9711	1
____	16.0	48	80-9712	2

VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	7.0	72X14	80-9720	_

VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	9.0	36	50-5934	2

M4 - SERIES

M4-8



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	2.0	24X12	80-9707	1

M4-9b



VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	5.0	30X24	80-9703	1

M4-8a



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	3.0	24X18	80-9708	1

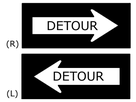
M4-9b



VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	6.25	30X30	80-9706	1

M4-10



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	6.0	48X18	80-9701R	2
____	6.0	48X18	80-9702L	2



VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	5.0	30X24	80-9710	1

R1 - SERIES

R1-1



*
COPY & BORDER - WHITE
BACKGROUND - RED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	5.19	30	31-0552	1
____	13.30	48	31-0557	2

R1-2



*
COPY & BORDER - RED
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	3.90	36	31-0523	1
____	10.83	60	31-0528	2B

R4 - SERIES

R4-7



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	5.0	24X30	31-1526	1

R9 & R11 - SERIES

R9-9



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	3.75	30X18	80-9076	1

R11-3a



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	12.5	60X30	80-9077	2

R9-11



VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	3.0	24X18	80-9074	1

R11-3b



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	12.5	60X30	80-9078	2

R9-11a



VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	2.0	24X12	80-9075	1

R11-3b



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	12.5	60X30	80-9081	2

R11-2



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	10.0	48X30	80-9080	2



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	14.0	48X42	31-1906	2
____	22.5	60X54	31-1907	2
____	30.0	72X60	31-1908	2B

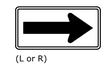
W1 - SERIES

W1-4



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9432L	1
____	9.0	36	80-9431R	1
____	16.0	48	80-9452L	2
____	16.0	48	80-9451R	2

W1-6



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	8.0	48X24	80-9424	2
____	12.5	60X30	80-9423	2

W1-8



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	3.0	18X24	80-9401	1
____	5.0	24X30	80-9403	1
____	7.5	30X36	80-9404	1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	16.0	48	80-9433L	2
____	16.0	48	80-9435R	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	16.0	48	80-9434L	2
____	16.0	48	80-9436R	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	25.0	60	80-9443L	2B
____	25.0	60	80-9445R	2B



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	25.0	60	80-9444L	2B
____	25.0	60	80-9446R	2B



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	25.0	60	80-9448L	2B
____	25.0	60	80-9450R	2B



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	25.0	60	80-9486L	2B
____	25.0	60	80-9486R	2B

W3 - SERIES

W3-1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	9.0	36	80-9808	1

W3-1a



OCTAGON - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9050	1
____	16.0	48	80-9051	2

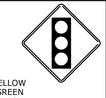
W3-2a



TRIANGLE - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9054	1
____	16.0	48	80-9055	2

W3-3

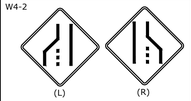


TOP CIRCLE - RED
MIDDLE CIRCLE - YELLOW
BOTTOM CIRCLE - GREEN
COPY & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9052	1
____	16.0	48	80-9053	2

W4-W6 - SERIES

W4-2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	16.0	48	80-9918L	2
____	16.0	48	80-9917R	2

W6-3



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	16.0	48	80-9945	2

W8-W9 - SERIES

W8-1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9901	1
____	16.0	48	80-9902	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9801	1
____	16.0	48	80-9802	2

W9-2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	16.0	48	80-9910L	2
____	16.0	48	80-9911R	2

W13 - SERIES

W13-1



SUBPLATE
VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	4.0	24	80-9569	1
____	6.25	30	80-9567	1



VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9506	1
____	16.0	48	80-9508	2



VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	12.0	72X24	80-9519	2

W20 - SERIES

W20-1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	6.25	30	80-9602	1
____	9.0	36	80-9603	1
____	16.0	48	80-9604	2

W20-1



VARIABLE DISTANCE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9614	1
____	16.0	48	80-9615	2

W20-2



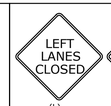
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9805	1
____	16.0	48	80-9806	2

W20-4



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9834	1
____	16.0	48	80-9835	2

W20-1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9836	2
(R)	16.0	48	80-9839	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9837	2
(R)	16.0	48	80-9838	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9847	2
(R)	16.0	48	80-9848	2

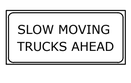


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9846	2
(R)	16.0	48	80-9849	2

W20-7a



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9803	1
____	_____	_____	_____	_____
____	16.0	48	80-9804	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	32.0	96X48	80-9815	2B



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	2.0	24X12	80-9870	_
____	3.75	30X18	80-9871	_



VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	2.5	30X12	80-9872	_
____	4.5	36X18	80-9873	_

W21 - SERIES

W21-6



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	9.0	36	80-9607	1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	2.0	24X12	80-9912	1

W22 - SERIES

W22-1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	9.0	36	80-9620	1
____	16.0	48	80-9625	2

W22-2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	10.5	42X36	80-9623	2

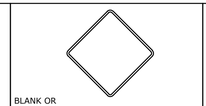
W22-3



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	7.5	36X30	80-9622	2
____	10.5	42X36	80-9621	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	4.17	60X10	80-9913	2
____	12.0	96X18	80-9914	2
____	3.33	48X10	80-9916	2



BLANK OR
VARIABLE LEGEND

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	9.0	36	80-9933	1
____	16.0	48	80-9934	2



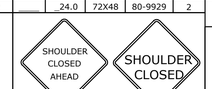
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	12.5	60X30	80-9928	2
____	24.0	72X48	80-9929	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	16.0	48	80-9951	2

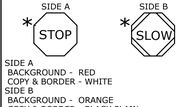


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	16.0	48	80-9956	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(1)	16.0	48	80-9957	2
(2)	9.0	36	80-9958	1
(2)	16.0	48	80-9959	2

STOP-SLOW PADDLE



SIDE A
BACKGROUND - RED
COPY & BORDER - WHITE
SIDE B
BACKGROUND - ORANGE
COPY & BORDER - BLACK PLAIN

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	2.51	19	80-9950	PADDLE



COPY & BORDER - BLACK
BACKGROUND - YELLOW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
____	_____	_____	_____	_____
____	2.0	12X24	41-0815	_

NOTES:
1. R1-SERIES SIGN THE LEGEND "O.S.T.A." SHALL APPEAR.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
3. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
4. ALL POSTS NOTED ARE FOR LONG TERM INSTALLATION. SEE STANDARD SHEET TR-1208_02.
5. FOR TEMPORARY SUPPORTS SEE STANDARD SHEET TR-1220_02 - "CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES".
6. FOR SPECIFIC SIGN DESIGN, CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
7. ALL CONSTRUCTION SIGNS TO BE PAID FOR UNDER THE CONSTRUCTION SIGNS ITEM IN THE CONTRACT.
8. MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.

MATERIALS:
SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES. ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE .100" EXCEPT SIGN #s. 80-9815, 80-9728, 80-9519, & 51-6147 (L OR R) WHICH SHALL BE .125", PLYWOOD THICKNESS FOR POST MOUNTED SIGNS SHALL BE 1/2" EXTERIOR GRADE A-C OR BETTER. SIGN BLANKS SHALL HAVE ONE COAT OF PRIMER PAINT PRIOR TO APPLICATION OF RETROREFLECTIVE SHEETING & COPY.

COLORS:
BACKGROUND - FLUORESCENT ORANGE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS WITH FLUORESCENT ORANGE BACKGROUND TO USE TYPE VIII RETROREFLECTIVE SHEETING.
ALL OTHER SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

SIGNATURE/ BLOCK:

FILENAME:

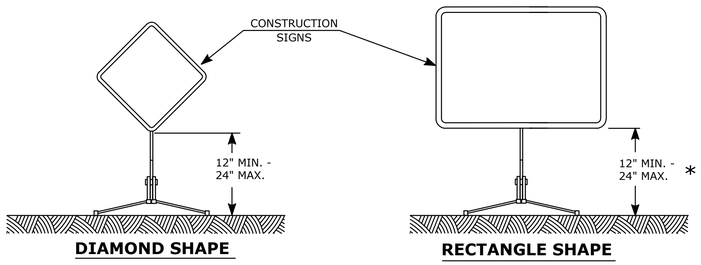
PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-10
SHEET NO.: 03.12

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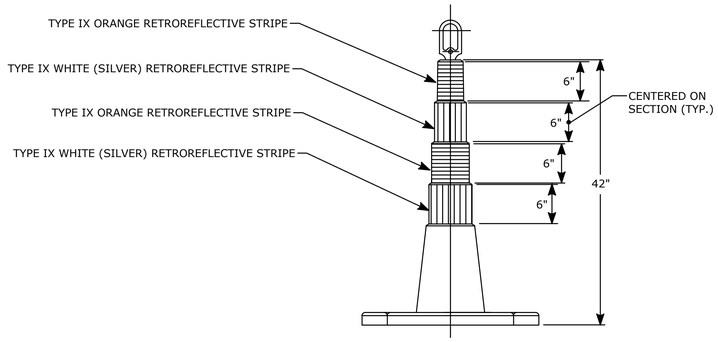


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

1. SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
4. PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
5. PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220_01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

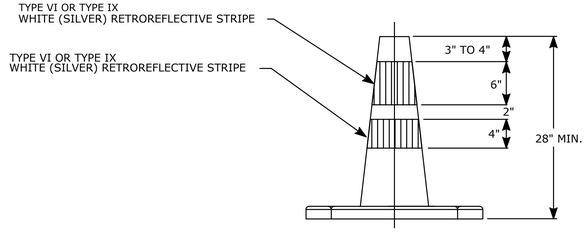
*FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

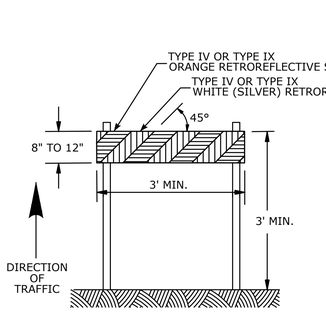
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



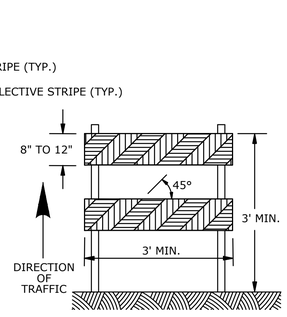
TRAFFIC CONE

NOTES:

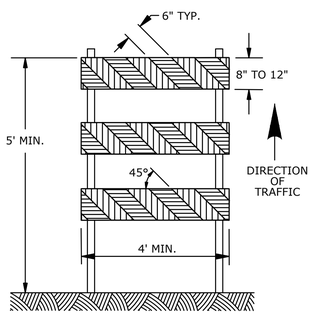
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. TRAFFIC CONES NOT USED AT NIGHT MAY UTILIZE TYPE III SHEETING.
6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



TYPE I BARRICADE



TYPE II BARRICADE

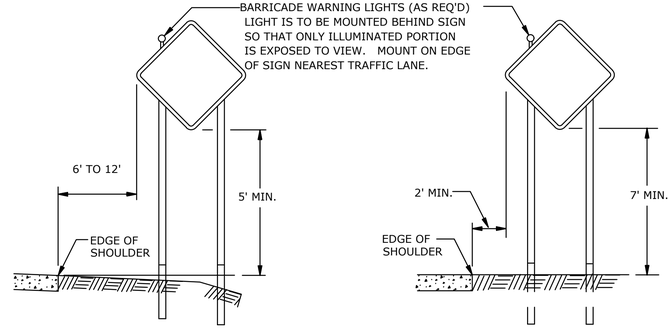


TYPE III BARRICADE

CONSTRUCTION BARRICADES

NOTES:

1. CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
2. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
6. SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.



RURAL AREA

URBAN AREA

PLACEMENT OF CONSTRUCTION SIGNS
TYPICAL LONG TERM INSTALLATION

NOTES:

SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.

SEE TYPICAL SHEETS:
"TYPICAL SIGN SUPPORT AND SIGN PLACEMENT DETAILS-GORE EXIT SIGN"
"TYPICAL METAL SIGN POSTS AND SIGN MOUNTING DETAILS"

TRAFFIC DRUM
FRONT VIEW

NOTES:

1. TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
4. THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

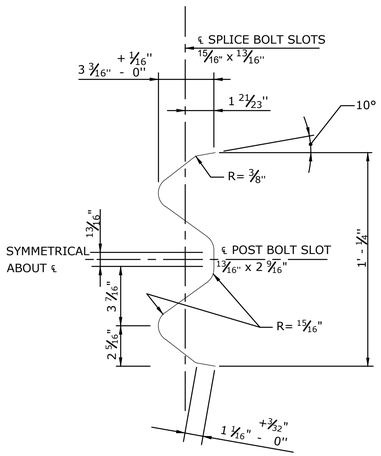
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TOWN: TRUMBULL

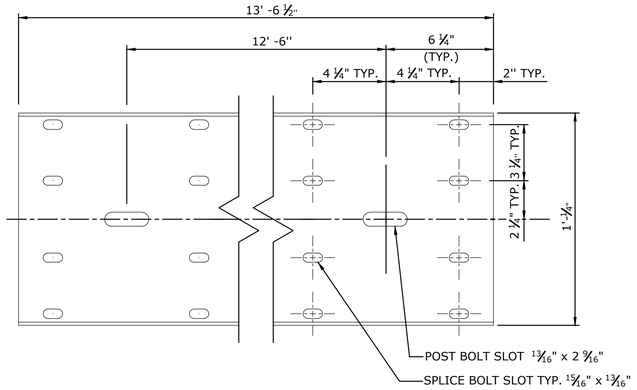
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-11
SHEET NO.: 03.13

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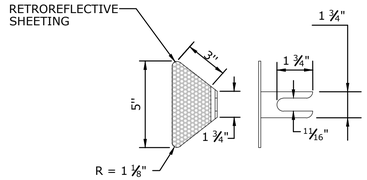


SECTION VIEW



ELEVATION VIEW

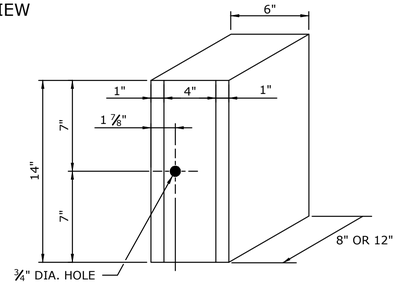
TYPICAL W-BEAM RAIL ELEMENT



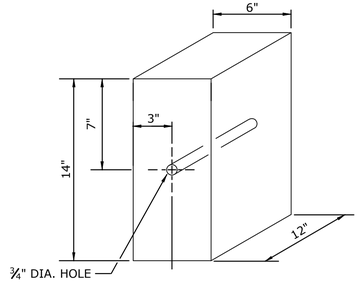
W-BEAM DELINEATOR

GENERAL NOTES:

1. W6 x 9 POSTS MAY BE USED IN PLACE OF W6 x 8.5 POSTS.
2. W-BEAM GUIDERAIL SHALL USE CLASS A (12 GAUGE), TYPE II W-BEAM RAIL ELEMENTS.
3. SEVEN FOOT LONG STEEL POSTS (W6 X 8.5) ARE TO BE INSTALLED WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES



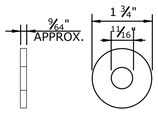
8" or 12" PLASTIC BLOCKOUT
NOMINAL DIMENSIONS



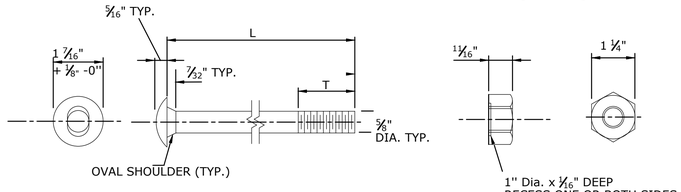
12" WOOD BLOCKOUT

W-BEAM DELINEATOR INSTALLATION NOTES:

1. INSTALL W-BEAM DELINEATORS ON RAIL THAT IS PARALLEL TO AND NOT GREATER THAN 8' FROM THE EDGE OF THE ROADWAY. A MINIMUM OF THREE W-BEAM DELINEATORS SHALL BE INSTALLED ON ANY LENGTH OF GUIDERAIL.
2. THE SPACING OF W-BEAM DELINEATORS IS 50 FEET, INSTALLED AT RAIL SPLICE LOCATIONS. SPACING IS 25 FEET ON RADII LESS THAN 300 FEET.
3. NO W-BEAM DELINEATORS ARE PERMITTED WITHIN 75 FEET OF THE IMPACT HEAD OF ANY TANGENTIAL OR FLARED IMPACT ATTENUATION SYSTEM.
4. RETROREFLECTIVE SHEETING SHALL BE WHITE EXCEPT ON THE LEFT SIDE OF DIVIDED STREETS, HIGHWAYS, RAMPS, AND ONE WAY ROADS IN THE DIRECTION OF TRAVEL WHERE IT SHALL BE YELLOW.



WASHER
[FWC16a]



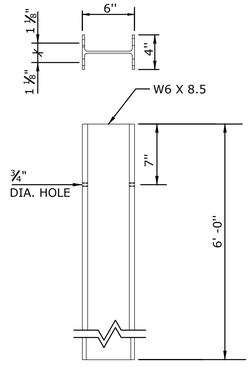
BUTTONHEAD BOLT

HEX NUT

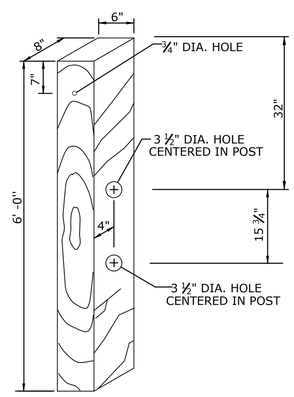
DESIGNATOR	L	T	INTENDED USE
FBB01	**1-1/4"**	**1-1/8"**	RAIL SPLICE BOLTS **TS**
FBB02	**2"**	1-3/4"	RUB RAIL BOLTS
FBB03	**10"**	**4"**	POST BOLTS (8" BLOCK OUTS)
	14"	**4"**	POST BOLT (12" BLOCK OUTS)
FBB04	**18"**	**4"**	POST BOLTS (2- 8"BLOCK OUTS)
	22"	**4"**	POST BOLT (CRT WOOD POST SYSTEM)

5/8" BUTTON HEAD BOLT(S) AND RECESSED NUT(S)

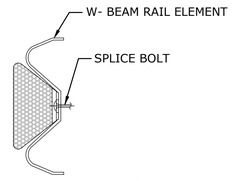
NOTE: AFTER GALVANIZING, THE NUT SHALL BE FREE RUNNING ON THE BOLT. DIAMETER SHOWN IS TYPICAL FOR ALL GUIDERAIL BOLTS. SEE DETAILS ABOVE FOR SPECIFIC LENGTHS.



STEEL POST
6'-0" LONG



CONTROL RELEASE TIMBER (CRT) POST
6' - 0" LONG



W-BEAM DELINEATOR INSTALLATION

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

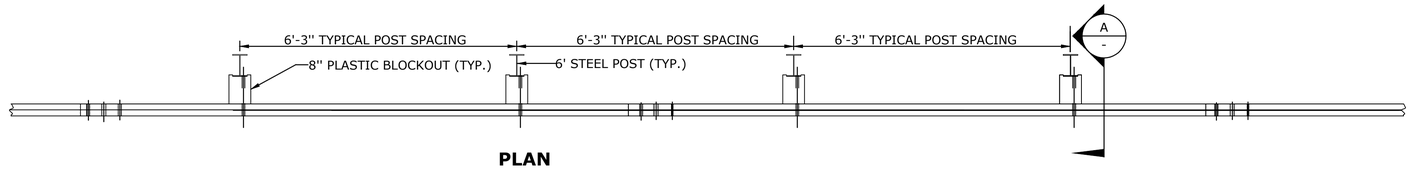
PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

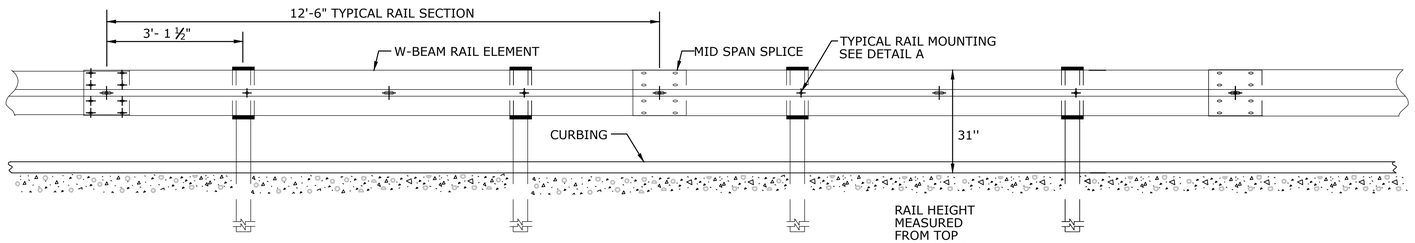
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-12
SHEET NO.: 03.14

Q:\Projects\Luchs Projects\1304\3 Moose Hill Road\Highways\MSIa_Conrad_Sheet_Files\PlanMooseHill_MDS-12.dwg



PLAN



ELEVATION
METAL BEAM RAIL (R-B MASH) GUIDERAIL

GENERAL NOTES:

1. SEE SHEET HW-910_20 FOR MASH W-BEAM HARDWARE AND W-BEAM DELINEATOR DETAILS.

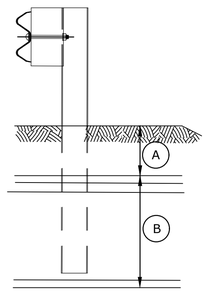
2. THREE BLOCKOUTS MAY BE USED FOR ONE POST ONLY. TWO BLOCKOUTS MAY BE USED FOR A SERIES OF POSTS. THE COST OF ADDITIONAL BLOCKOUTS AND LONGER BOLTS SHALL BE INCLUDED IN THE PRICE PER FOOT OF GUIDERAIL. EXTRA BLOCKOUTS AT TRANSITIONS TO BRIDGE PARAPETS SHOULD BE AVOIDED. DO NOT USE ADDITIONAL BLOCKS IF IT CAUSES THE POST TO BE DRIVIEN BEYOND AN EMBANKMENT HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

3. IF BLOCKOUTS DO NOT AVOID POST FROM OBSTRUCTION, ONE POST MAY BE OMITTED IF 50 FEET OF GUIDERAIL EXISTS ON BOTH SIDES OF LOCATION. USE METAL BEAM RAIL SPAN SECTION TYPE II OR III FOR MORE THAN ONE CONSECUTIVE OMITTED POST, SEE SHEET HW-910_24.

4. W-BEAM GUIDERAIL MAY BE PLACED 1' OR MORE FROM THE EDGE OF PAVEMENT ONLY ON SLOPES 10:1 OR FLATTER AND WITHOUT CURBING.

5. IF THE RAIL IS INSTALLED WITHIN 2' OF THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE SHOULDER SLOPE EXTENDED TO THE RAIL. IF THE RAIL IS INSTALLED BEYOND 2' FROM THE EDGE OF PAVEMENT, THE RAIL HEIGHT IS MEASURED FROM THE GROUND DIRECTLY BELOW THE RAIL.

6. RAIL HEIGHT CONSTRUCTION TOLERANCE IS +/- 1 INCH.



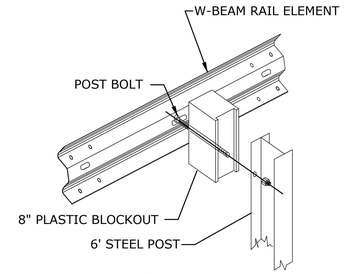
ELEVATION

CONDITION 1 :

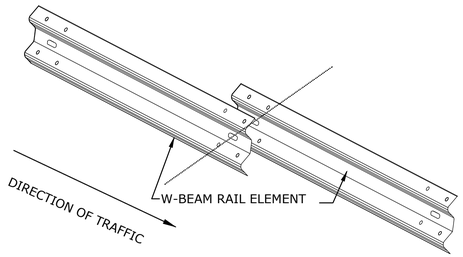
IF SOIL DEPTH IS < 18" DEEP (A) DRILL 20" DIA. HOLE 24" INTO LEDGE. (B)

CONDITION 2 :

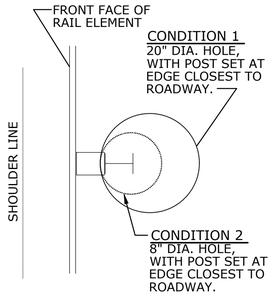
IF SOIL DEPTH IS > 18" DEEP (A) DRILL 8" DIA. HOLE 12" INTO LEDGE (B) OR TO THE DEPTH OF FULL EMBEDMENT WHICHEVER IS LESS.



DETAIL A
RAIL MOUNTING

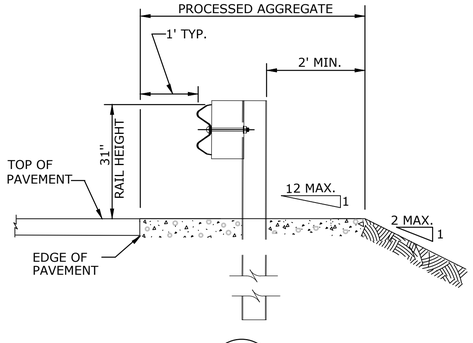


LAP W-BEAM RAIL SECTIONS
NOTE: EIGHT (8) SPLICE BOLTS PER JOINT



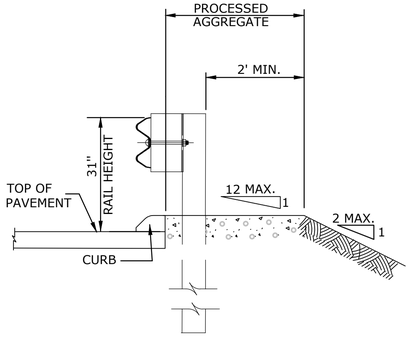
PLAN

GUIDERAIL POSTS IN ROCK



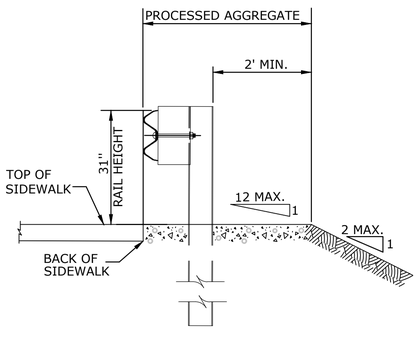
SECTION A -

NO CURB APPLICATION



SECTION A -

CURB APPLICATION



SECTION A -

SIDEWALK APPLICATION

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

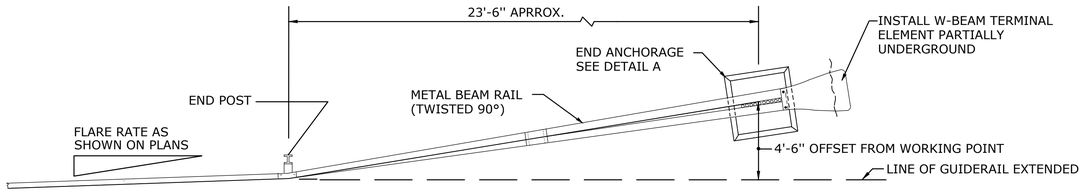
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-13
SHEET NO.: 03.15

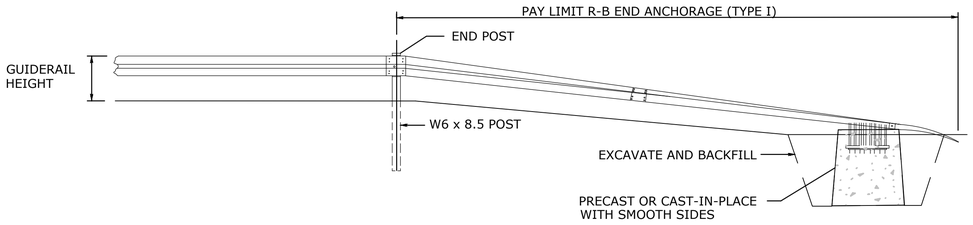
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GENERAL NOTES:

1. SEE SHEET HW-911_04 FOR TYPICAL END ANCHOR GRADING PLAN.
2. J-HOOK BOLTS MAY BE SUBSTITUTED FOR BOTTOM PLATE ANCHORAGE IN CONCRETE END ANCHORS USING THE SAME SIZE, STRENGTH, AND LENGTH AS NOTED ON THE PLANS.
3. INSTALLATION OF RADII DIFFERENT THAN WHAT IS SHOWN IN DETAIL "C" FOR R-B END ANCHORAGE TYPE II MUST BE APPROVED BY THE ENGINEER.

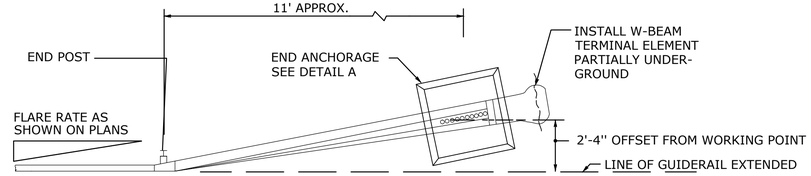


PLAN

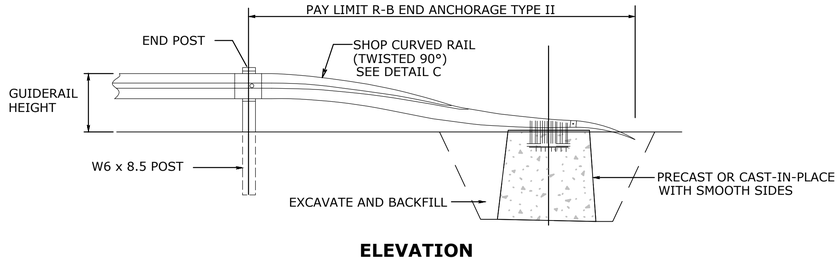


ELEVATION

R-B END ANCHORAGE TYPE I

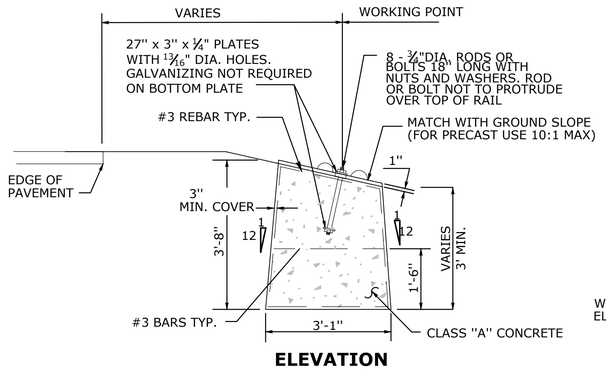


PLAN

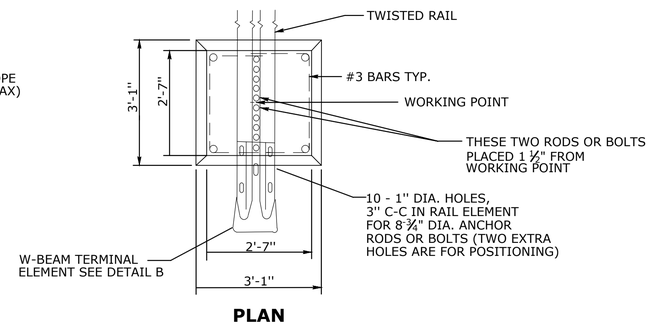


ELEVATION

R-B END ANCHORAGE TYPE II

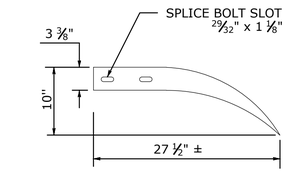


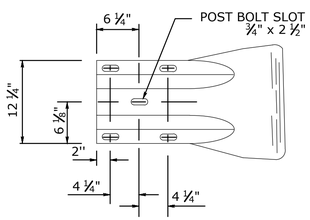
ELEVATION



PLAN

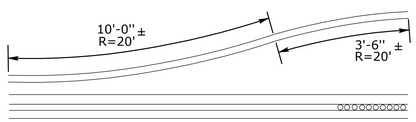
DETAIL A
ROADSIDE CONCRETE END ANCHOR
SEE NOTE 2





DETAIL B

W-BEAM TERMINAL ELEMENT



DETAIL C

SHOP CURVED RAIL
SEE NOTE 3

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

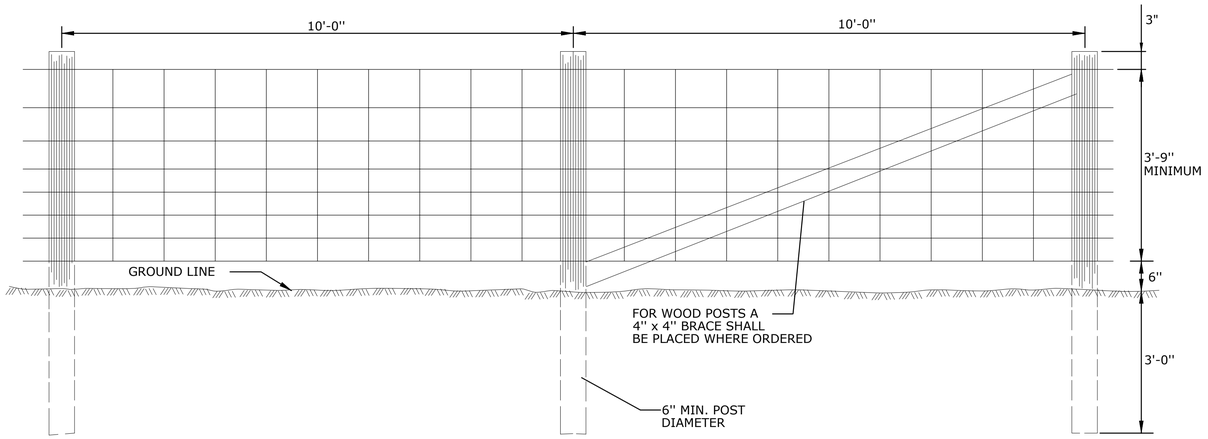
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-14
SHEET NO.: 03.16

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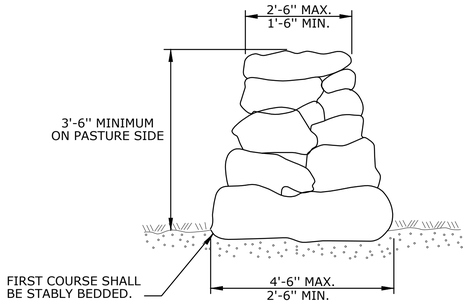
GENERAL NOTES:

1. ALL DIMENSIONS ARE NOMINAL.

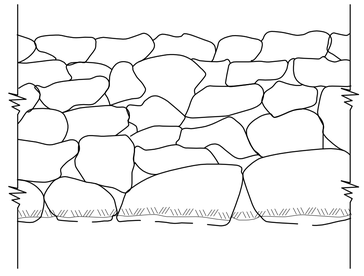


WIRE FENCE

REFER TO NOTES ON VARIOUS PROPERTIES REGARDING THE USE OF EXISTING STONES TO MATCH EXISTING WALL.

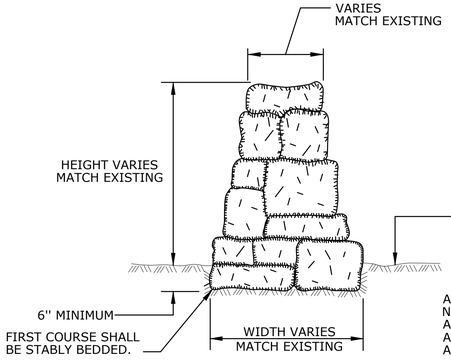


SECTION



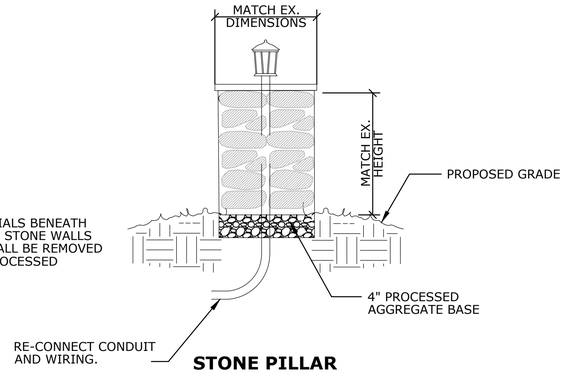
ELEVATION

FARM WALL FENCE



ALL UNSUITABLE MATERIALS BENEATH NEW LOCATIONS OF THE STONE WALLS AND STONE PILLARS SHALL BE REMOVED AND REPLACED WITH PROCESSED AGGREGATE BASE

STONE WALL SECTION



STONE PILLAR SECTION

Q:\Projects\Luchs Projects\1304\3 Moose Hill Road\Highways\MSta_Contrast_Sheet_Files\Plan\MooseHill_MDS-15.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001

DRAWING NO.: MDS-15

SHEET NO.: 03.17

GENERAL NOTES:

1. THE PLACEMENT OF THE FACE OF GUIDERAIL SHALL BE AS FOLLOWS:

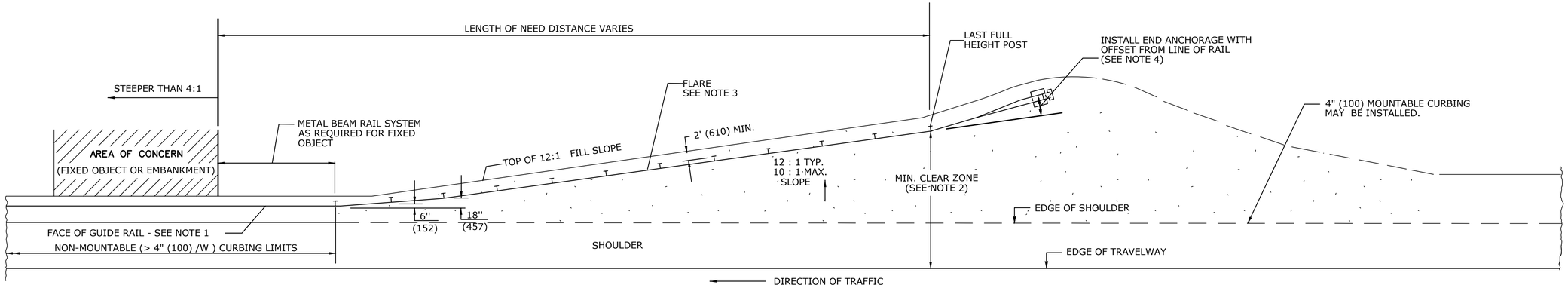
   WITHOUT CURBING: FACE OF GUIDERAIL MAY BE PLACED BEYOND THE EDGE OF SHOULDER. REFER TO GUIDERAIL STANDARD SHEETS FOR CRITERIA OF RAIL PLACEMENT ON SLOPES AND DESIGN DEFLECTION DISTANCES.

   WITH CURBING: FACE OF GUIDERAIL MUST BE PLACED FLUSH WITH FACE OF CURBING.

2. LEADING END TURN-DOWN END ANCHOR MUST BE INSTALLED OUTSIDE DESIGN CLEAR ZONE. FOR TRAILING END TURN-DOWN END ANCHORS ON DUAL DIRECTION ROADWAYS, THIS DISTANCE IS MEASURED FROM THE CENTER LINE. CLEAR ZONE VARIES. SEE PLANS.

3. FLARE RATE VARIES BASED ON DESIGN SPEED OF ROAD. SEE PLANS.

4. TURN-DOWN END ANCHOR OFFSET DISTANCE MAY VARY BASED ON ANCHOR TYPE INSTALLED. SEE HW-911_01 OR HW-910_19b.



TYPICAL GRADING FOR GUIDERAIL TURN-DOWN END ANCHOR APPROACH TO AREA OF CONCERN

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001

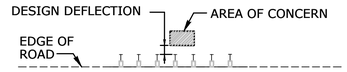
DRAWING NO.: MDS-16

SHEET NO.: 03.18

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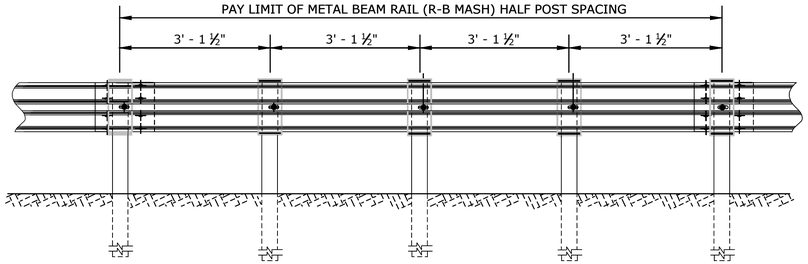
GENERAL NOTES:

1. SEE SHEET HW-910_20 FOR HARDWARE AND W-BEAM DELINEATOR DETAILS.
2. W-BEAM DELINEATOR MAY BE INSTALLED AT POST BOLT CONNECTION TO MAINTAIN APPROPRIATE DELINEATOR SPACING.

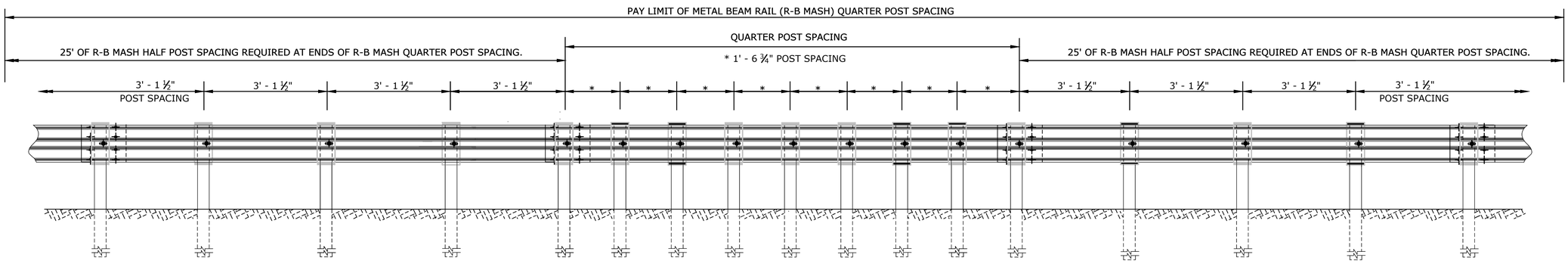


POST SPACING		DESIGN DEFLECTION
STANDARD	(6' - 3")	4' - 3"
HALF POST	(3' - 1 ½")	2' - 8"
QUARTER POST	(1' - 6 ¾")	1' - 10"

TABLE 1



METAL BEAM RAIL (R-B MASH) HALF POST SPACING



METAL BEAM RAIL (R-B MASH) QUARTER POST SPACING

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

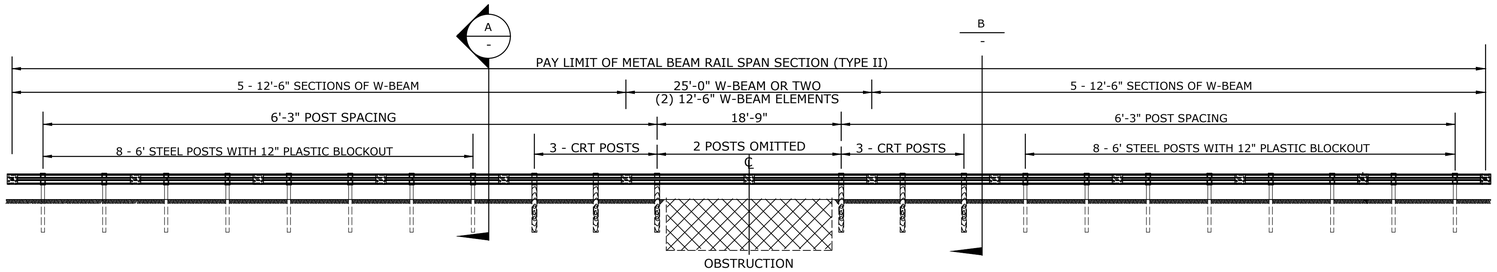
PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

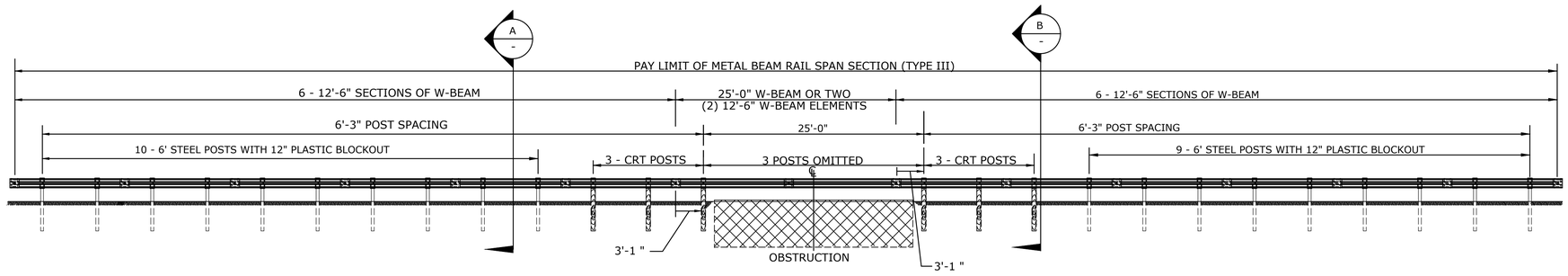
DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-17
SHEET NO.: 03.19

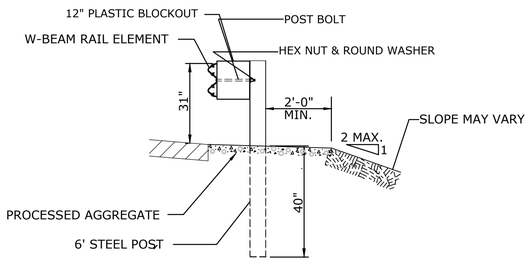
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METAL BEAM RAIL SPAN SECTION TYPE II

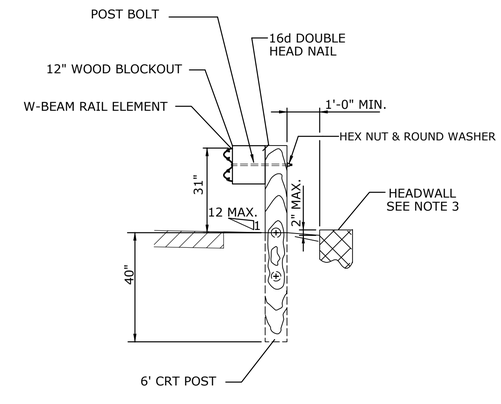


METAL BEAM RAIL SPAN SECTION TYPE III



STEEL POST W/ 12" PLASTIC BLOCKOUT

SECTION A -



CONTROL RELEASE TIMBER (CRT) POST

SECTION B -

GENERAL NOTES:

1. THIS SYSTEM IS NOT FOR USE IN-CONJUNCTION WITH ANY CURB TYPE.
2. INSTALL SYSTEM TANGENTIALLY.
3. FINISHED GRADE TO BE WITHIN 2" FROM THE TOP OF THE HEADWALL.
4. LAP W-BEAM RAIL SECTIONS IN ACCORDANCE WITH HW-910_21.

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001

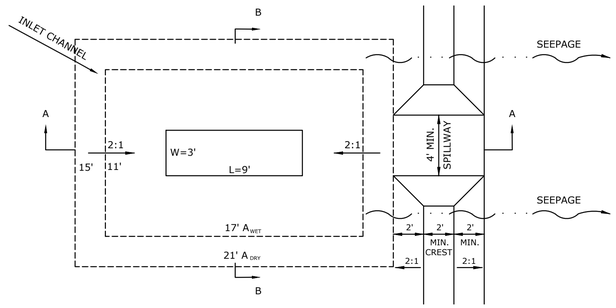
DRAWING NO.: MDS-18

SHEET NO.: 03.20

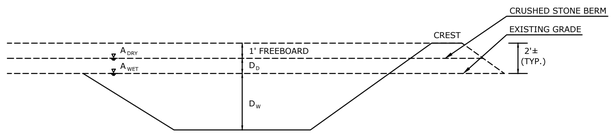
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TEMPORARY SEDIMENT TRAP SCHEDULE

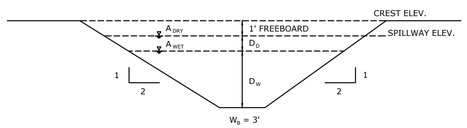
TST No.	LOCATION	TRIBUTARY AREA		VOLUME REQUIRED	VOLUME PROVIDED			W	L	D_w
					V_{WET}	V_{DRY}	V_{TOT}			
	(STA)	(SF)	(AC)	(CF)	(CF)	(CF)	(CF)	(FT)	(FT)	(FT)
1	51+50 RT	4,800	0.11	398	318	251	569	3	9	2
2	51+50 LT	3,600	0.08	289	318	251	569	3	9	2
3	19+60 LT	29,700	0.68	2,460	1,928	884	2,812	6	30	3
4	30+00 RT	24,300	0.56	2,026	1,928	884	2,812	6	30	3
5	39+10 RT	21,300	0.49	1,773	1,928	884	2,812	6	30	3
6	42+40 RT	31,200	0.72	2,605	1,928	884	2,812	6	30	3
7	44+40 RT	5,100	0.12	434	318	251	569	3	9	2



PLAN



SEC. A-A



SEC. B-B

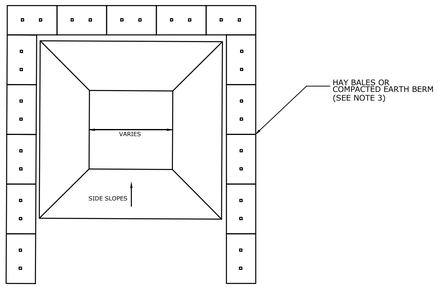
TEMPORARY SEDIMENT TRAP

NOT TO SCALE

TST

NOTES:

1. D_{DRY} = 1' ABOVE EXISTING GRADE; D_W = DEPTH BELOW EXISTING GRADE (3' MAX).
2. FREEBOARD = 1' ABOVE D_{DRY} ELEVATION. CRUSHED STONE BERM IS TYPICALLY 2' - 3' ABOVE EXISTING GRADE.
3. MAXIMUM SLOPE IS 2:1. SLOPE INLET ENDS AT FLATTER GRADE.
4. WRAP TST WITH SILT FENCE OR SAFETY FENCING IN RESIDENTIAL AREAS.
5. TST DIMENSIONS MAY BE MODIFIED FOR FIELD CONDITIONS IF APPROVED BY THE TOWN.



CONCRETE WASHOUT AREA

NOT TO SCALE

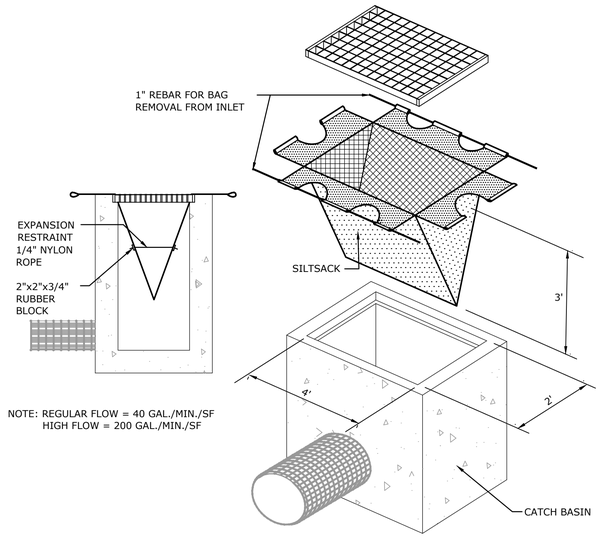
NOTES:

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON-SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.
2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREA(S) WITH THE PROJECTS EROSION AND SEDIMENTATION CONTROL PLAN AND SHALL BE APPROVED BE THE ENGINEER.

LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FEET FROM ANY STREAM,WETLAND, STORM DRAINS, OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOODPLAIN.

SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO, OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.

3. SURFACE DISCHARGE IN UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.
4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.
5. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL REPORT) WASHOUT AREAS SHOULD BE CHECKED AFTER HEAVY RAIN.
6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S HEIGHT. THE WASTE CAN BE STORED AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER. ALL CONCRETE WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES.
7. THIS ITEM IS TO BE INCLUDED IN THE LUMP SUM WORK OF STORM WATER POLLUTION CONTROLS, INCLUDING SITE RESTORATION.



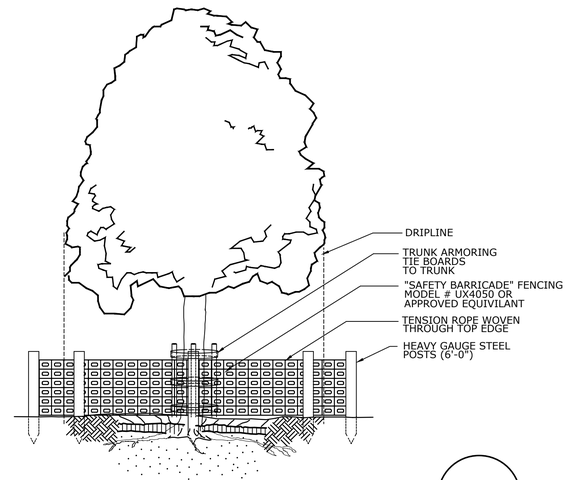
NOTE: REGULAR FLOW = 40 GAL./MIN./SF
HIGH FLOW = 200 GAL./MIN./SF

SILT SACK

N.T.S.

SS

TREE PROTECTION WILL NOT BE MEASURED FOR PAYMENT BUT THE COST SHALL BE INCLUDED IN OTHER CONTRACT ITEMS



TREE PROTECTION DETAIL

N.T.S.

TP

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

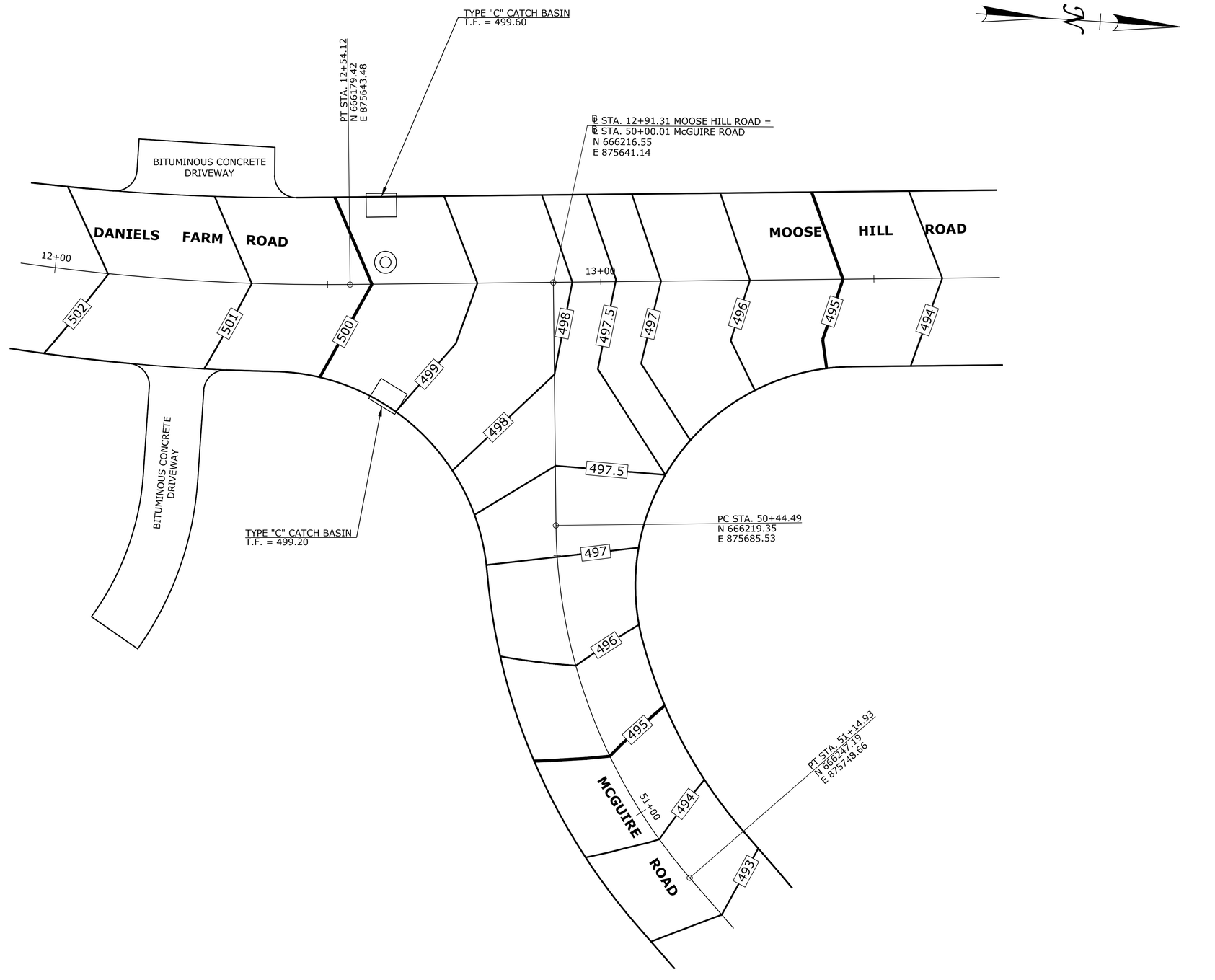
PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: MISCELLANEOUS DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: MDS-19
SHEET NO.: 03.21

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 10 20
SCALE 1"=10'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

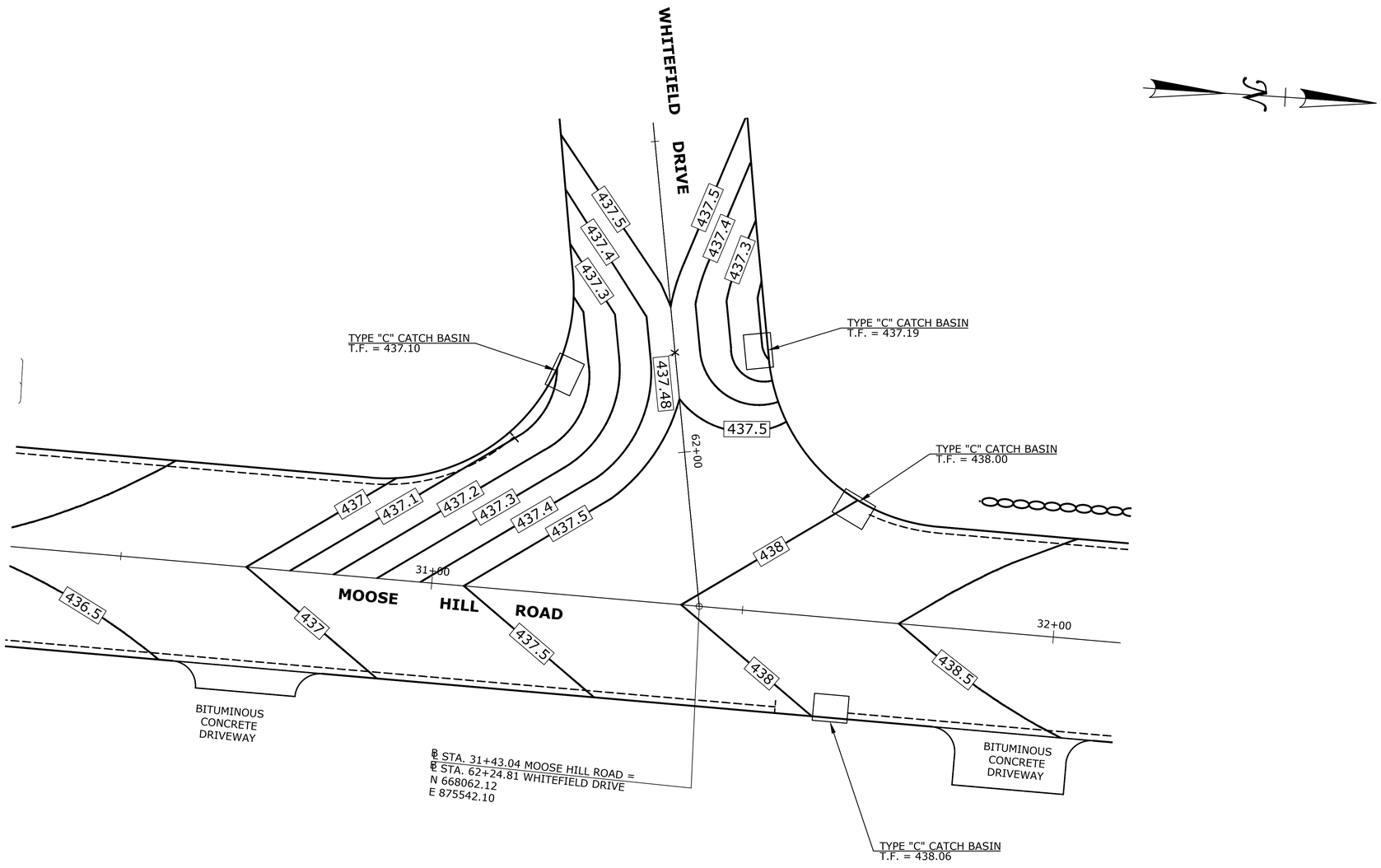
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BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE:
INTERSECTION GRADING PLAN
DANIELS FARM ROAD, MOOSE HILL ROAD
AND McGUIRE ROAD

PROJECT NO.: L144-0001
DRAWING NO.: IGP-1
SHEET NO.: 03.22



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 10 20
SCALE 1"=10'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

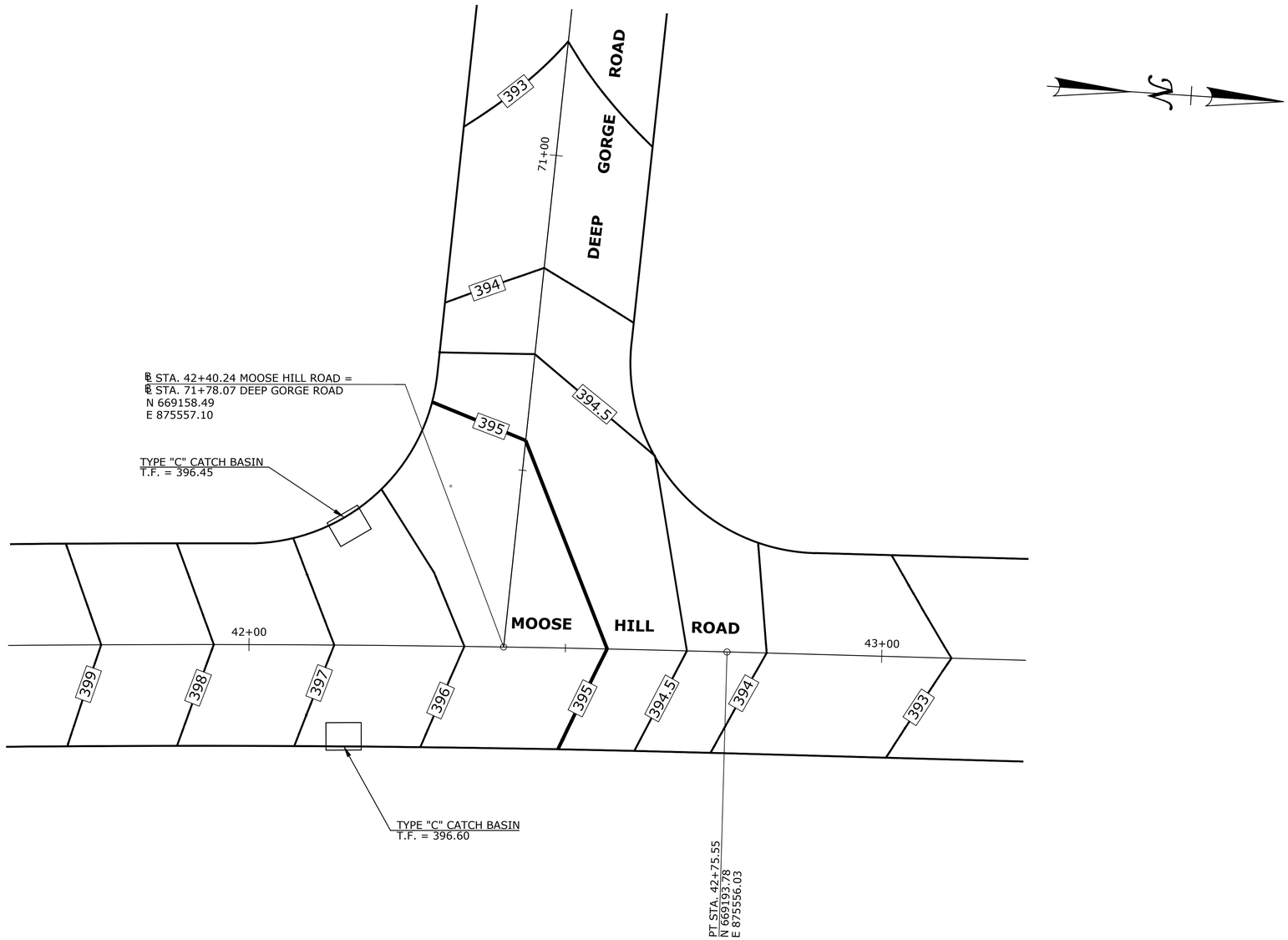
PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: INTERSECTION GRADING PLAN MOOSE HILL ROAD AND WHITEFIELD DRIVE

PROJECT NO.: L144-0001
DRAWING NO.: IGP-2
SHEET NO.: 03.23

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 10 20
SCALE 1"=10'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: INTERSECTION GRADING PLAN MOOSE HILL ROAD AND DEEP GORGE ROAD

PROJECT NO.: L144-0001
DRAWING NO.: IGP-3
SHEET NO.: 03.24

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Connecticut DOT Boring Report — R-1

Driller: Jamie Lloret | Inspector: Gerald Mishler | Engineer: GeoDesign, Inc.
Town: Trumbull, CT | Project No.: State # 144-TMP-1 | Route No.: | Bridge No.:
Hole No.: R-1 | Stat./Offset: | Northing: | Easting: | Surface Elevation:
Start Date: 6-9-15 | Finish Date: 6-9-15
Project Description: Moose Hill Road
Casing Size/Type: HSA: 2.25 in. | Sampler Type/Size: SS: 1.38 in. | Core Barrel Type:
Hammer Wt.: 140 lb. Fall: 30in. | Hammer Wt.: 140 lb. Fall: 30 in.
Groundwater Observations: @ None Encountered

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Topsoil		
	S-1	3 3 4 14	24	2		Fill	Loose, brown fine to coarse SAND, little fine to coarse Gravel, little Silt	
	S-2	8 15 23 42	24	4		Till	Dense, brown fine to coarse SAND, little fine to coarse Gravel, little Silt	
5	S-3	11 19 21 31	24	8			Dense, brown fine to coarse SAND, some fine to coarse Gravel, little Silt	
	S-4	38 50/3" - -	9	0			Very dense, No Recovery	
						Decomposed Bedrock		
10	S-5	15 52 64 -	18	2			Very dense, Brown DECOMPOSED BEDROCK Fragments	
							END OF BORING 11.5ft	
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 11.5ft Rock: 0ft | No. of Soil Samples: 5 | No. of Core Runs: 0
NOTES: Auger to 10 feet below grade through decomposed rock. Split spoon refusal at 11.5 feet below grade on inferred bedrock. Boring backfilled with excavated soil.
Sheet 1 of 1
SM-001-M REV. 1/02

Connecticut DOT Boring Report — R-2

Driller: Jamie Lloret | Inspector: Gerald Mishler | Engineer: GeoDesign, Inc.
Town: Trumbull, CT | Project No.: State # 144-TMP-1 | Route No.: | Bridge No.:
Hole No.: R-2 | Stat./Offset: | Northing: | Easting: | Surface Elevation:
Start Date: 6-9-15 | Finish Date: 6-9-15
Project Description: Moose Hill Road
Casing Size/Type: HSA: 2.25 in. | Sampler Type/Size: SS: 1.38 in. | Core Barrel Type:
Hammer Wt.: 140 lb. Fall: 30in. | Hammer Wt.: 140 lb. Fall: 30 in.
Groundwater Observations: @7ft after 0 hours

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Asphalt Pavement		
	S-1	22 35 16 17	24	10		Fill	Very dense, brown fine to coarse SAND and fine to coarse GRAVEL, little Silt	
	S-2	7 7 6 6	24	0			Medium dense, No Recovery	
5	S-3	9 19 38 50/1	19	10		Till	Very dense, brown fine to coarse SAND, little fine to coarse Gravel, little Silt, trace Decomposed Rock	
	S-4	48 60 50/4	16	12		Decomposed Bedrock	Very dense, Brown DECOMPOSED ROCK	
10	S-5	50 50/2 - -	8	3			Very dense, Brown DECOMPOSED ROCK	
							END OF BORING 10.8ft	
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 7ft Rock: 3.8ft | No. of Soil Samples: 5 | No. of Core Runs: 0
NOTES: Boring backfilled with drilled soil. Pavement repaired with cold asphalt patch.
Sheet 1 of 1
SM-001-M REV. 1/02

Connecticut DOT Boring Report — R-3

Driller: Jamie Lloret | Inspector: Gerald Mishler | Engineer: GeoDesign, Inc.
Town: Trumbull, CT | Project No.: State # 144-TMP-1 | Route No.: | Bridge No.:
Hole No.: R-3 | Stat./Offset: | Northing: | Easting: | Surface Elevation:
Start Date: 6-9-15 | Finish Date: 6-9-15
Project Description: Moose Hill Road
Casing Size/Type: HSA: 2.25 in. | Sampler Type/Size: SS: 1.38 in. | Core Barrel Type:
Hammer Wt.: 140 lb. Fall: 30in. | Hammer Wt.: 140 lb. Fall: 30 in.
Groundwater Observations: @ None Encountered

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Asphalt Pavement		
	S-1	14 15 2 3	24	4		Fill	Medium Dense, Brown fine to coarse SAND, little fine to coarse Gravel, little Silt	
	S-2	6 19 48 50/1	19	8			Very Dense, brown fine to medium SAND, some Silt, little fine to coarse Gravel	
5	S-3	48 50/3 - -	8	3		Decomposed Bedrock	Very dense, Brown DECOMPOSED BEDROCK	
							END OF BORING 6ft	
10								
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 5ft Rock: 0.8ft | No. of Soil Samples: 3 | No. of Core Runs: 0
NOTES: Split spoon refusal at 5.8 feet below grade on inferred bedrock. Auger to 6 feet below grade with refusal on inferred bedrock. Boring backfilled with drilled soil. Road repaired with cold asphalt patch.
Sheet 1 of 1
SM-001-M REV. 1/02

Connecticut DOT Boring Report — R-4

Driller: Jamie Lloret | Inspector: Gerald Mishler | Engineer: GeoDesign, Inc.
Town: Trumbull, CT | Project No.: State # 144-TMP-1 | Route No.: | Bridge No.:
Hole No.: R-4 | Stat./Offset: | Northing: | Easting: | Surface Elevation:
Start Date: 6-9-15 | Finish Date: 6-9-15
Project Description: Moose Hill Road
Casing Size/Type: HSA: 2.25 in. | Sampler Type/Size: SS: 1.38 in. | Core Barrel Type: NQ
Hammer Wt.: 140 lb. Fall: 30in. | Hammer Wt.: 140 lb. Fall: 30 in.
Groundwater Observations: @ None Encountered

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Asphalt Pavement		
	S-1	16 32 21 50/4	22	3		Fill	Very dense, Brown fine to coarse SAND, little fine to coarse Gravel, trace Silt	
						Bedrock		
5	C-1		60	57	58		Fair Quality, Moderately Weathered, Moderately Hard, gray SCHIST REC: 57/60= 95% RQD: 35/60= 58%	
							END OF BORING 8ft	
10								
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 3ft Rock: 5ft | No. of Soil Samples: 1 | No. of Core Runs: 1
NOTES: Auger chatter from 1 to 3 feet from inferred cobble or boulder. Rock core from 3 feet to 8 feet. Boring backfilled with drilled soil and pavement repaired with cold asphalt patch.
Sheet 1 of 1
SM-001-M REV. 1/02

Connecticut DOT Boring Report — R-5

Driller: Jamie Lloret | Inspector: Gerald Mishler | Engineer: GeoDesign, Inc.
Town: Trumbull, CT | Project No.: State # 144-TMP-1 | Route No.: | Bridge No.:
Hole No.: R-5 | Stat./Offset: | Northing: | Easting: | Surface Elevation:
Start Date: 6-9-15 | Finish Date: 6-9-15
Project Description: Moose Hill Road
Casing Size/Type: HSA: 2.25 in. | Sampler Type/Size: SS: 1.38 in. | Core Barrel Type:
Hammer Wt.: 140 lb. Fall: 30in. | Hammer Wt.: 140 lb. Fall: 30 in.
Groundwater Observations: @5ft after 0 hours

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Asphalt Pavement		
	S-1	19 35 30 29	24	11		Fill	Very dense, brown fine to coarse SAND, some fine to coarse Gravel, little Silt	
	S-2	16 13 7 5	24	0			Medium dense, No Recovery	
5	S-3	13 19 14 16	24	0		Till	Dense, No Recovery	
	S-4	14 22 34 53	24	6			Very dense, brown fine to coarse SAND and GRAVEL, little Silt, trace Decomposed Rock	
10	S-5	50/1 - - -	1	1		Decomposed Bedrock	Very dense, Brown DECOMPOSED BEDROCK	
							END OF BORING 10.1ft	
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 10ft Rock: 0.1ft | No. of Soil Samples: 5 | No. of Core Runs: 0
NOTES: Auger chatter from 1 to 3 ft from inferred cobbles. Boring backfilled with soil cuttings and pavement repaired with cold patch.
Sheet 1 of 1
SM-001-M REV. 1/02

Connecticut DOT Boring Report — R-6

Driller: Jamie Lloret | Inspector: Gerald Mishler | Engineer: GeoDesign, Inc.
Town: Trumbull, CT | Project No.: State # 144-TMP-1 | Route No.: | Bridge No.:
Hole No.: R-6 | Stat./Offset: | Northing: | Easting: | Surface Elevation:
Start Date: 6-10-15 | Finish Date: 6-10-15
Project Description: Moose Hill Road
Casing Size/Type: HSA: 2.25 in. | Sampler Type/Size: SS: 1.38 in. | Core Barrel Type:
Hammer Wt.: 140 lb. Fall: 30in. | Hammer Wt.: 140 lb. Fall: 30 in.
Groundwater Observations: @ None Encountered

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Asphalt Pavement		
	S-1	13 16 8 16	24	7		Fill	Medium dense, brown fine to coarse SAND, little fine to coarse Gravel, trace Silt	
	S-2	12 6 6 28	24	9		Till	Medium dense, brown fine to coarse SAND, some Silt, little fine to coarse Gravel, trace Bedrock fragments	
5	S-3	50/6 - - -	6	1		Decomposed Bedrock	Very dense, Brown, DECOMPOSED BEDROCK	
							END OF BORING 5.2ft	
10								
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 5.0ft Rock: 0.5ft | No. of Soil Samples: 3 | No. of Core Runs: 0
NOTES: Auger chatter from 4-5 feet below grade from inferred cobbles. Split spoon refusal at 5.2 feet below grade on inferred Bedrock. Boring backfilled with drilled soil and pavement repaired with cold asphalt patch.
Sheet 1 of 1
SM-001-M REV. 1/02

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: BORING LOGS

PROJECT NO.: L144-0001
DRAWING NO.: BOR-1
SHEET NO.: 03.25

Q:\Projects\Luchs Projects\1043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Plan\MooseHill_BOR-01.dwg

Connecticut DOT Boring Report

Driller: Jamie Lloret	Town: Trumbull, CT	Hole No.: R-7
Inspector: Gerald Mishler	Project No.: State # 144-TMP-1	Stat./Offset:
Engineer: GeoDesign, Inc.	Route No.:	Northing:
Start Date: 6-10-15	Bridge No.:	Easting:
Finish Date: 6-10-15		Surface Elevation:

Project Description: Moose Hill Road

Casing Size/Type: HSA: 2.25 in.	Sampler Type/Size: SS: 1.38 in.	Core Barrel Type:
Hammer Wt.: 140 lb. Fall: 30in.	Hammer Wt.: 140 lb. Fall: 30 in.	

Groundwater Observations: @4ft after 0 hours

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Asphalt Pavement		
	S-1	8 15 6 7	24	6		Fill	Medium dense, brown fine to coarse SAND, little fine to coarse Gravel, trace Silt	
	S-2	6 19 19 30	24	10		Till	Dense, brown fine to coarse SAND, little fine to coarse Gravel, little Silt	
5	S-3	14 49 49 51	24	8			Very dense, brown fine to coarse SAND, some Silt, little fine to coarse Gravel	
	S-4	50/3 - - -	3	1		Decomposed Bedrock	Very dense, DECOMPOSED BEDROCK	
							END OF BORING 7.3ft	
10								
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 7ft Rock: 0.3ft	NOTES: Split spoon refusal at 7.3 feet below grade on inferred bedrock. Boring backfilled with drilled soil and asphalt pavement repaired with cold asphalt patch.	Sheet 1 of 1
No. of Soil Samples: 4 No. of Core Runs: 0		SM-001-M REV. 1/02

Connecticut DOT Boring Report

Driller: Jamie Lloret	Town: Trumbull, CT	Hole No.: R-8
Inspector: Gerald Mishler	Project No.: State # 144-TMP-1	Stat./Offset:
Engineer: GeoDesign, Inc.	Route No.:	Northing:
Start Date: 6-10-15	Bridge No.:	Easting:
Finish Date: 6-10-15		Surface Elevation:

Project Description: Moose Hill Road

Casing Size/Type: HSA: 3.25	Sampler Type/Size: SS: 1.38 in.	Core Barrel Type:
Hammer Wt.: 140 lb. Fall: 30in.	Hammer Wt.: 140 lb. Fall: 30 in.	

Groundwater Observations: @5ft after 0 hours

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Topsoil		
	S-1	3 5 6 7	24	8		Fill	Medium dense, brown fine to coarse SAND, little fine to coarse Gravel, little Silt	
	S-2	4 4 4 5	24	0			Loose, No Recovery	
5	S-3	7 8 9 16	24	9		Till	Medium dense, brown fine to coarse SAND, little fine Gravel, little Silt	
	S-4	21 33 34 65	24	13			Very dense, brown fine to coarse SAND and GRAVEL, little Silt, trace Decomposed Rock fragments	
10								
	S-5	50 42 46 62	24	10		Decomposed Bedrock	Very dense, DECOMPOSED BEDROCK	
							END OF BORING 12ft	
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 9.5ft Rock: 2.5ft	NOTES: Boring backfilled with drilled soil.	Sheet 1 of 1
No. of Soil Samples: 5 No. of Core Runs: 0		SM-001-M REV. 1/02

Connecticut DOT Boring Report

Driller: Jamie Lloret	Town: Trumbull, CT	Hole No.: R-9
Inspector: Gerald Mishler	Project No.: State # 144-TMP-1	Stat./Offset:
Engineer: GeoDesign, Inc.	Route No.:	Northing:
Start Date: 6-10-15	Bridge No.:	Easting:
Finish Date: 6-10-15		Surface Elevation:

Project Description: Moose Hill Road

Casing Size/Type: HSA: 3.25	Sampler Type/Size: SS: 1.38 in.	Core Barrel Type:
Hammer Wt.: 140 lb. Fall: 30in.	Hammer Wt.: 140 lb. Fall: 30 in.	

Groundwater Observations: @6ft after 0 hours

Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Material Description and Notes	Elevation (ft)
0						Asphalt Pavement		
	S-1	12 11 50 67	18	6		Fill	Very dense, brown fine to coarse SAND, some fine to gravel, little Silt	
	S-2	2 3 3 3	24	8			Loose, Brown fine to medium SAND, some Silt, trace fine to coarse Gravel	
5	S-3	12 30 30 44	24	13		Till	Very dense, Brown fine to coarse SAND and fine to coarse GRAVEL, little Silt	
	S-4	7 27 33 60	24	10			Very dense, Brown fine to coarse SAND, little fine to coarse Gravel, little Silt	
10								
	S-5	52 69 45 57	24	14			Very dense, Brown fine to coarse SAND and fine to coarse GRAVEL, little Silt	
							END OF BORING 12ft	
15								
20								
25								
30								

Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%

Total Penetration in Earth: 12ft Rock: 0ft	NOTES: Boring backfilled with drilled soil.	Sheet 1 of 1
No. of Soil Samples: 5 No. of Core Runs: 0		SM-001-M REV. 1/02

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: BORING LOGS

PROJECT NO.: L144-0001

DRAWING NO.: BOR-2

SHEET NO.: 03.26

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BEGIN BITUMINOUS CONCRETE LIP CURBING
MATCH EXISTING

POB STA. 10+00.00
N 665993.81
E 875588.85

BEGINNING OF STATE PROJECT NO. 144-TMP1
STA. 10+75
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

SEE NOTE 1

MOOSE HILL ROAD
CURVE NO. 1
BASE LINE CURVE DATA
Δ = 24°-08'-38.0"
R = 400.00'
L = 168.56'
T = 85.55'

PC STA. 10+85.56
N 666013.93
E 875618.86

PT STA. 12+54.12
N 666179.42
E 875643.48

BITUMINOUS CONCRETE DRIVEWAY (COMMERCIAL)
SEDIMENTATION CONTROL SYSTEM
CUT BITUMINOUS CONCRETE PAVEMENT
RESET VALVE BOXES (WATER MAIN)
RELOCATE HYDRANT (BY OTHERS)

APPROXIMATE SLOPE LIMITS
RELOCATE UTILITY POLE (BY OTHERS)
CUT BITUMINOUS CONCRETE PAVEMENT
BITUMINOUS CONCRETE DRIVEWAY

℄ STA. 12+91.31 MOOSE HILL ROAD =
℄ STA. 50+00.01 McGUIRE ROAD
N 666216.55
E 875641.14

REMOVE AND REBUILD EXISTING STONE WALL
STONE WALL TO MATCH EXISTING STONE WALL AT 13 MOOSE HILL ROAD
CUT BITUMINOUS CONCRETE PAVEMENT
BITUMINOUS CONCRETE DRIVEWAY

DANIELS FARM ROAD
N20°32'06.4"E

MOOSE HILL ROAD
N3°36'32.0"W

CURVE NO. 1

BEGIN BITUMINOUS CONCRETE LIP CURBING, MATCH EXISTING

BITUMINOUS CONCRETE DRIVEWAY
CUT BITUMINOUS CONCRETE PAVEMENT
RESET VALVE BOXES (WATER MAIN)
APPROXIMATE SLOPE LIMITS (TYP.)
RESET VALVE BOXES (WATER MAIN)
BITUMINOUS CONCRETE DRIVEWAY
CUT BITUMINOUS CONCRETE PAVEMENT

R=40'

PC STA. 50+44.49
N 666219.35
E 875685.53

PT STA. 51+14.93
N 666247.19
E 875748.66

SAVE ALL TREES
APPROXIMATE SLOPE LIMITS
SEDIMENTATION CONTROL SYSTEM

CURVE NO. 1 51+00

McGUIRE ROAD
CURVE NO. 1
BASE LINE CURVE DATA
Δ = 60°-21'-36.2"
R = 100.00'
L = 70.44'
T = 36.75'

SEE NOTE 1
SEDIMENTATION CONTROL SYSTEM
SEE NOTE 1
BITUMINOUS CONCRETE DRIVEWAY
CUT BITUMINOUS CONCRETE PAVEMENT

McGUIRE ROAD
CURVE NO. 2
BASE LINE CURVE DATA
Δ = 02°-03'-59.8"
R = 1000.00'
L = 36.07'
T = 18.04'

PC STA. 51+80.78
N 666251.91
E 875794.05

PT STA. 52+16.85
N 666317.48
E 875822.46

END BITUMINOUS CONCRETE LIP CURBING
MATCH EXISTING

BEGIN BITUMINOUS CONCRETE LIP CURBING
MATCH EXISTING

N46°01'33.1"E

LIMIT OF CONSTRUCTION
STA. 51+75
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

McGUIRE ROAD
N48°05'33"

REMOVE TREE (TYP.)

MATCH LINE DRAWING NO. PLN-2

GENERAL NOTES

1. ALL TREES NOT TO BE SAVED WITHIN THE CUT/FILL LINES SHALL BE REMOVED UNDER ITEM #0201001 "CLEARING AND GRUBBING".
2. ALL UTILITY POLES THAT REQUIRE RELOCATION ARE TO BE PERFORMED BY NORTHEAST UTILITY COMPANY (UNITED ILLUMINATUING CO. OR AT&T).
3. ALL EXISTING WATER VALVE BOXES BEING IMPACTED WITHIN THE PROJECT LIMITS ARE TO BE RESET BY THE CONTRACTOR (SEE SPECIAL PROVISION ITEM #1302051A - "RESET VALVE BOX (WATER MAIN)".
4. ALL EXISTING GAS VALVES BEING IMPACTED WITHIN THE PROJECT LIMITS ARE TO BE RESET BY SOUTHERN CONNECTICUT GAS CO.
5. ALL EXISTING STORM DRAINAGE PIPES AND STORM DRAINAGE STRUCTURES THAT ARE TO REMAIN SHALL BE CLEANED AFTER COMPLETION OF PROJECT TO BE PAID UNDER ITEM #0653001 "CLEAN EXISTING CATCH BASIN" AND ITEM #0653100 "CLEAN EXISTING CULVERT - 12" TO 42" DIAMETER".
6. ALL NEW STORM DRAINAGE STRUCTURES AND STORM DRAINAGE PIPES SHALL BE CLEANED AFTER COMPLETION OF PROJECT.
7. IN CASES WHERE NEW DRAINAGE STRUCTURES ARE TO REPLACE EXISTING DRAINAGE STRUCTURES AND EXISTING PIPES BETWEEN STRUCTURES ARE TO REMAIN, THE EXISTING PIPES ARE TO BE REPLACED FROM THE NEW STRUCTURE TO THE LENGTH SPECIFIED AND THE EXISTING INVERTS OF THOSE PIPES SHALL BE MATCHED, UNLESS OTHERWISE NOTED.
8. ALL MAILBOXES SHALL BE RELOCATED TO LOCATIONS THAT ARE ACCESSIBLE FOR MAIL DELIVERY THROUGHOUT THE CONSTRUCTION.

SCHEDULE OF RIGHTS AND EASEMENTS

- (A) EASEMENT TO SLOPE FOR THE SUPPORT OF THE HIGHWAY REQUIRED.
- (B) EASEMENT TO SLOPE FOR THE SAFETY OF THE HIGHWAY AND REMOVE, USE OR RETAIN EXCAVATED MATERIAL REQUIRED.
- (C) EASEMENT TO RELOCATE STONE WALL(S) REQUIRED.
- (E) DRAINAGE RIGHT OF WAY REQUIRED.
- (G) RIGHT TO GRADE REQUIRED.
- (H) RIGHT TO CONSTRUCT DRIVEWAY(S) REQUIRED.
- (J) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED.

NOTE 1 ALL WORK TO BE CONTAINED IN RIGHT OF WAY UNLESS RIGHT OF ENTRY IS OBTAINED.

LEGEND

⊠ PROPOSED TREES TO BE REMOVED

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 10+75 TO STA. 16+00

PROJECT NO.: L144-0001
DRAWING NO.: PLN-1
SHEET NO.: 03.27

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSte_Contract_Sheet_Files\Plan\MooseHill_PLN-01.dwg

MATCH LINE DRAWING NO. PLN-1

MATCH LINE DRAWING NO. PLN-3

MOOSE HILL ROAD

17 MOOSE HILL ROAD
N/F
SCOTT C REIS &
JOSEPHINE MARCELLINO-REIS
VOL. 1468, PG. 28

19 MOOSE HILL ROAD
N/F
DIANE R. OLSEN
VOL. 1359, PG. 295

25 MOOSE HILL ROAD
N/F
JOSEPH C & MARY ANN RUOSPO
VOL. 976, PG. 02

31 MOOSE HILL ROAD
N/F
JASON BURNSIDE
VOL. 1620, PG. 490

26 MOOSE HILL ROAD
N/F
KIMBERLY ATHERTON
VOL. 1558, PG. 165

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON
& WESLEY DAVID DAYTON
VOL. 1170, PG. 128

SEE NOTE 1

MOOSE HILL ROAD
CURVE NO. 3
BASE LINE CURVE DATA
Δ = 02°-43'-52.9"
R = 3000.00'
L = 143.01'
T = 71.52'

BASELINE ANGLE POINT
STA. 16+24.08
N 666548.65
E 875620.20

PC STA. 17+01.70
N 666626.06
E 875614.50

PT STA. 18+44.71
N 666768.39
E 875600.60

BASELINE ANGLE POINT
STA. 20+45.70
N 666977.82
E 875575.10

N4°12'41.3"W

N6°56'34.2"W

RADIAL

CURVE NO. 3

STONE WALL TO MATCH EXISTING STONE WALL AT 13 MOOSE HILL ROAD

CUT BITUMINOUS CONCRETE PAVEMENT

BITUMINOUS CONCRETE DRIVEWAY

BITUMINOUS CONCRETE LIP CURBING

REMOVE TREE (TYP.)

SEDIMENTATION CONTROL SYSTEM

APPROXIMATE SLOPE LIMITS

REMOVE AND RESET DOG FENCE SYSTEM

WETLAND PLANTINGS

WETLAND Ⓑ

EXISTING DRAINAGE EASEMENT

PROPOSED TAKING LINE

RESET WATER METER

RELOCATE UTILITY POLE (BY OTHERS)

REMOVE AND RESET WOOD EDGING

REMOVE AND RESET BRICK EDGING

REMOVE AND REBUILD EXISTING STONE WALL- USE EXISTING STONES TO MATCH EXISTING WALL (105 L.F.±)

TAKING LINE

REMOVE AND REBUILD EXISTING STONE WALL- USE EXISTING STONES TO MATCH EXISTING WALL (90 L.F.±)

APPROXIMATE SLOPE LIMITS (TYP.)

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

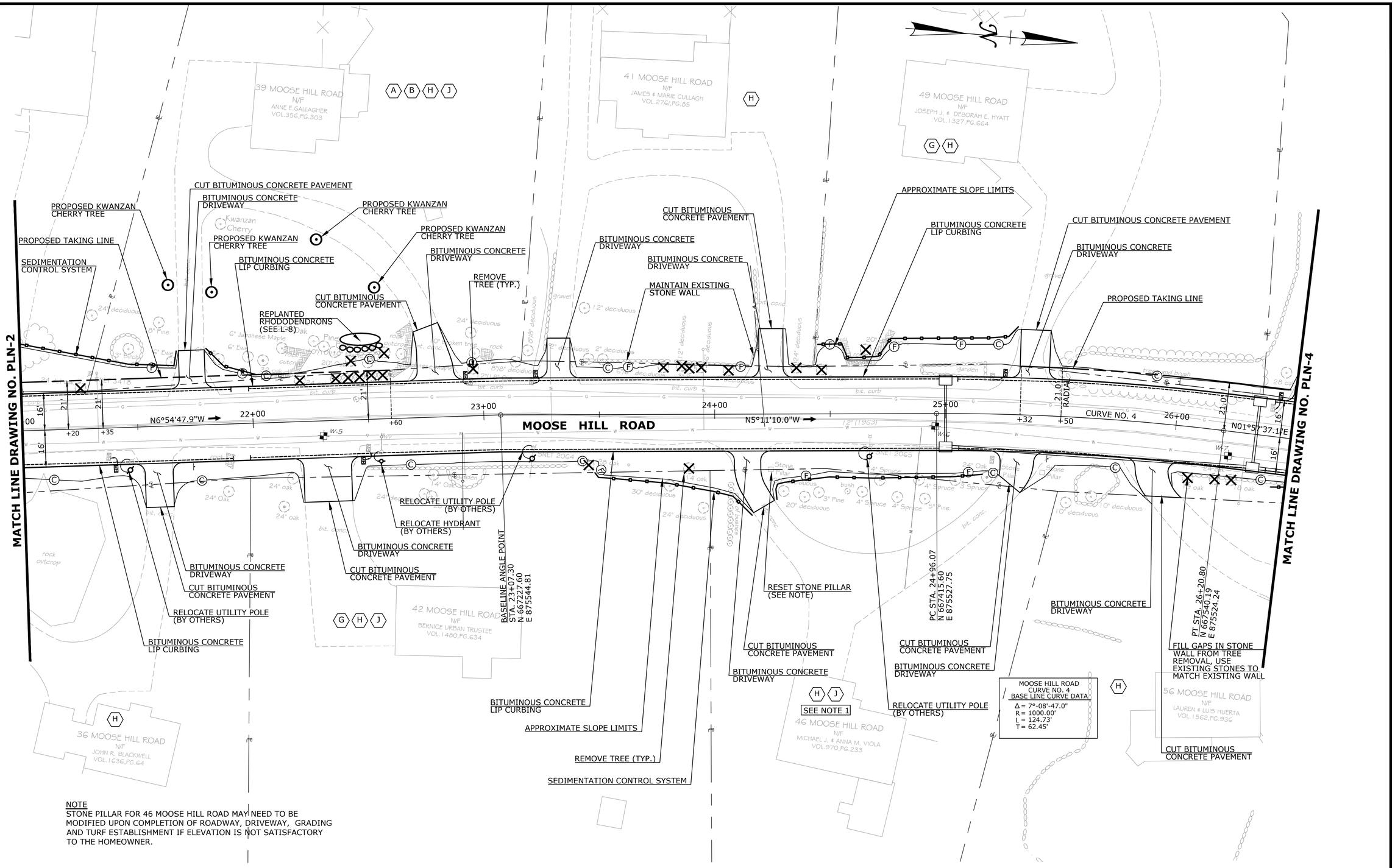
PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 16+00 TO STA. 21+00

PROJECT NO.: L144-0001
DRAWING NO.: PLN-2
SHEET NO.: 03.28

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NOTE
STONE PILLAR FOR 46 MOOSE HILL ROAD MAY NEED TO BE MODIFIED UPON COMPLETION OF ROADWAY, DRIVEWAY, GRADING AND TURF ESTABLISHMENT IF ELEVATION IS NOT SATISFACTORY TO THE HOMEOWNER.

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

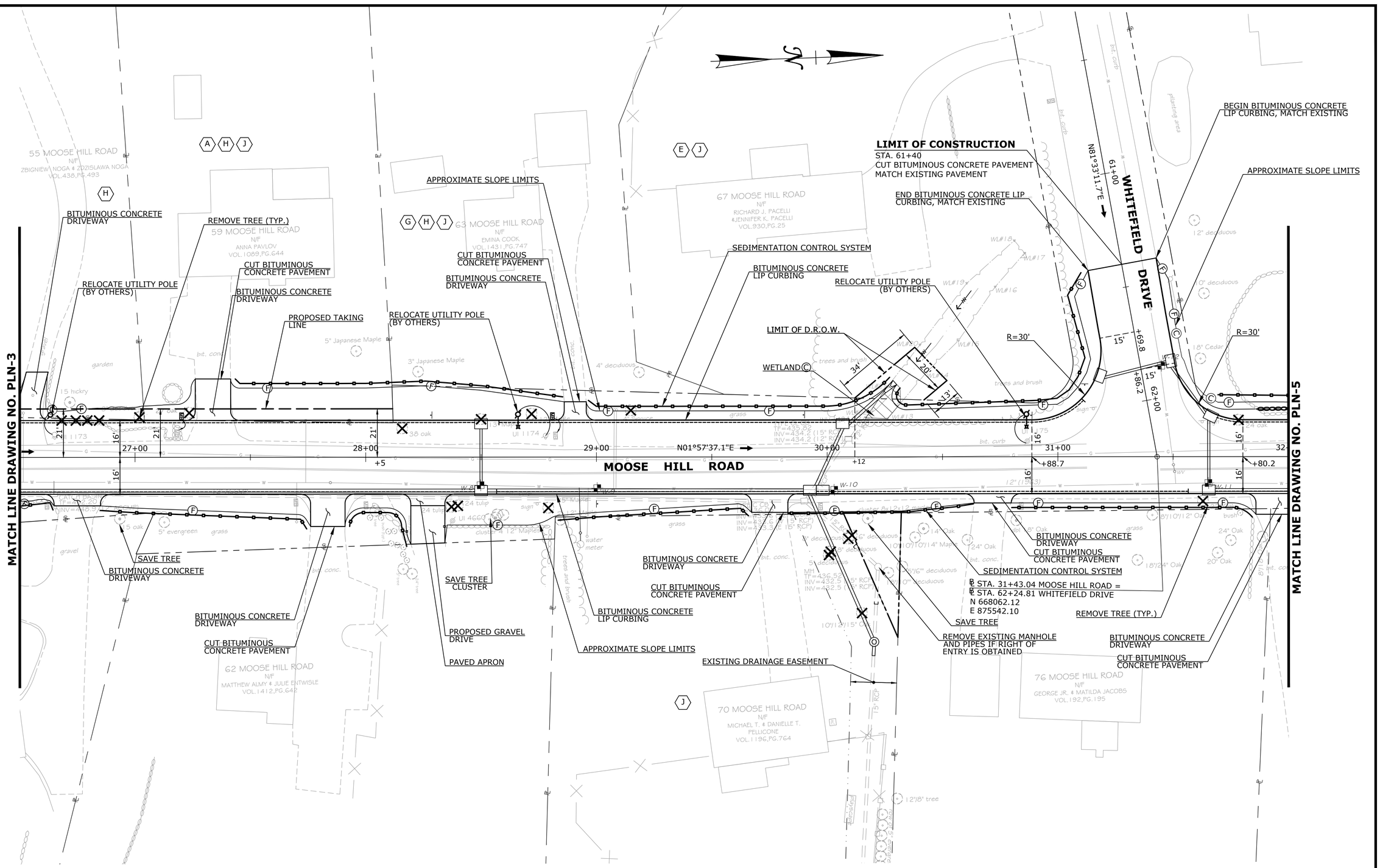
PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 21+00 TO STA. 26+50

PROJECT NO.: L144-0001
DRAWING NO.: PLN-3
SHEET NO.: 03.29

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 26+50 TO STA. 32+00

PROJECT NO.: L144-0001

DRAWING NO.: PLN-4

SHEET NO.: 03.30

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highway\MSts_Contract_Sheet_Files\Plan\MooseHill_PLN-04.dwg

MATCH LINE DRAWING NO. PLN-4

MATCH LINE DRAWING NO. PLN-6

6 WHITEFIELD DRIVE
N/F
EMMANUEL TRIBIE
& PEGGY B. TRIBIE
VOL.928,PG.327

91 MOOSE HILL ROAD
N/F
AMY MORAIS & KAREN A LEWELLYN
VOL.1526,PG.520

97 MOOSE HILL ROAD
N/F
ANNA THOMPSON
VOL.226,PG.461

99 MOOSE HILL ROAD
N/F
KEITH A. & MARTHA F. MAJERSKY
VOL.970,PG.710

82 MOOSE HILL ROAD
N/F
NEIL & GAIL SANTOSSIO
VOL.935,PG.494

88 MOOSE HILL ROAD
N/F
CARLOS H. & ANGELA C. MORALES
VOL.1450,PG.588

98 MOOSE HILL ROAD
N/F
JAMES & JENNIFER LINDINE
VOL.1438,PG.686

MOOSE HILL ROAD

N1°57'37.1"E

SEDIMENTATION CONTROL SYSTEM

APPROXIMATE SLOPE LIMITS

RESET EXISTING LANDSCAPE EDGING

CUT BITUMINOUS CONCRETE PAVEMENT

BITUMINOUS CONCRETE LIP CURBING

BITUMINOUS CONCRETE DRIVEWAY

RELOCATE UTILITY POLE (BY OTHERS)

REMOVE TREE (TYP.)

PROTECT EXISTING STONE WALL

SAVE TREES

PROPOSED TAKING LINE

RESET VALVE BOX (WATER MAIN)

REMOVE AND REBUILD EXISTING STONE WALL- USE EXISTING STONES TO MATCH EXISTING WALL (125 L.F.±)

RESET EXISTING SPRINKLER SYSTEM AT 88 MOOSE HILL ROAD

SEE NOTE 1

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

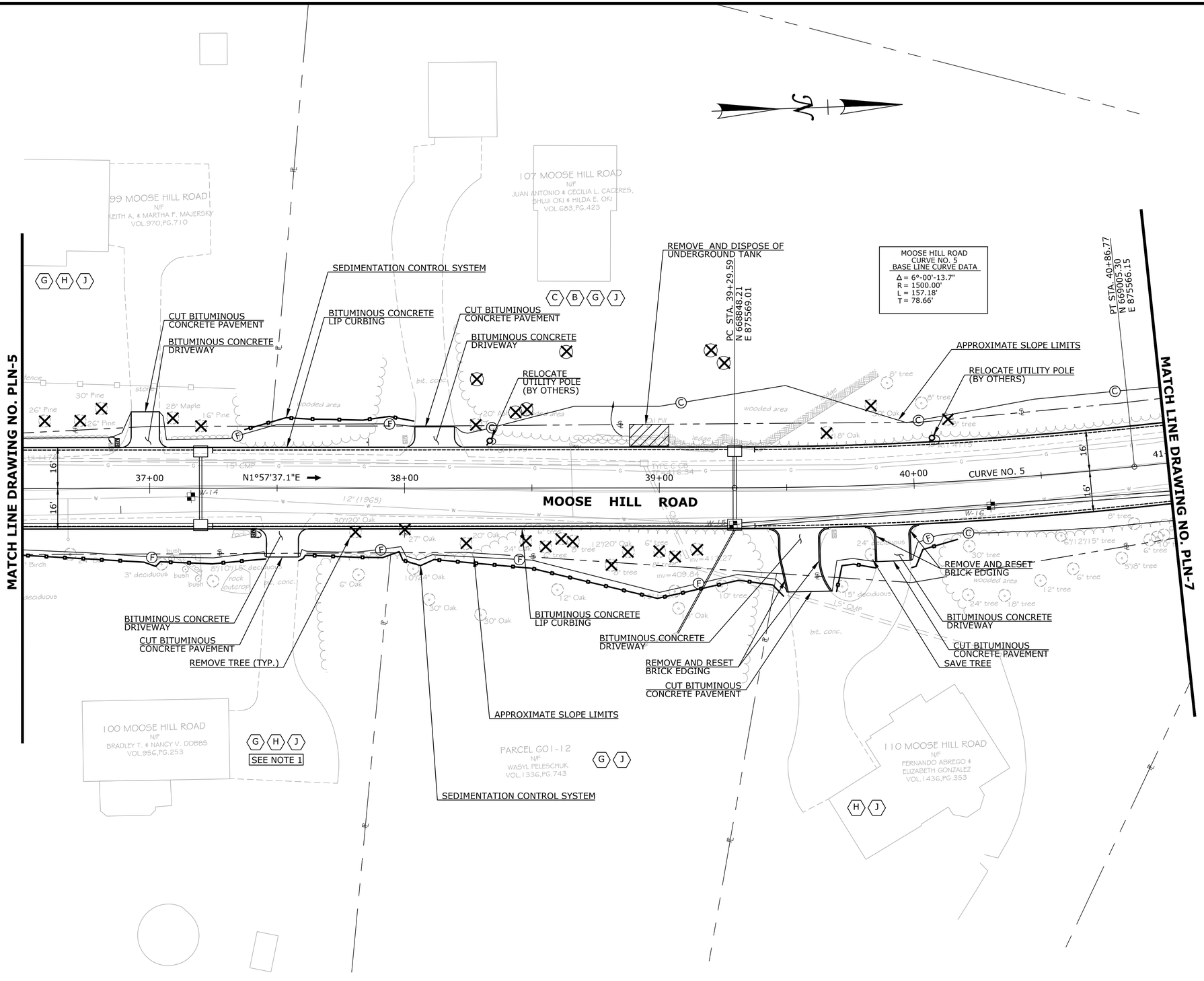
PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 32+00 TO STA. 36+50

PROJECT NO.: L144-0001
DRAWING NO.: PLN-5
SHEET NO.: 03.31

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 36+50 TO STA. 41+00

PROJECT NO.: L144-0001

DRAWING NO.: PLN-6

SHEET NO.: 03.32

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSts_Contract_Sheet_Files\Plan\MooseHill_PLN-06.dwg

LIMIT OF CONSTRUCTION
STA. 70+35
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

END BITUMINOUS CONCRETE
LIP CURBING, MATCH EXISTING

POB STA. 70+00.00
N 669168.15
E 875379.29

BEGIN BITUMINOUS CONCRETE
LIP CURBING, MATCH EXISTING

END OF STATE PROJECT NO. 144-TMP1
STA. 46+00
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

END BITUMINOUS CONCRETE
LIP CURBING, MATCH EXISTING

END BITUMINOUS CONCRETE
LIP CURBING, MATCH EXISTING

MATCH LINE DRAWING NO. PLN-6

℄ STA. 42+40.24 MOOSE HILL ROAD =
℄ STA. 71+78.07 DEEP GORGE ROAD
N 669158.49
E 875557.10

DEEP GORGE ROAD

MOOSE HILL ROAD

WITKOWSKI BROOK

TRUMBULL
SHELTON

TOWN LINE

CURVE NO. 6
N14°02'36.6"W

CURVE NO. 7
N1°24'04.1"W

8'x3.5' PRECAST CONCRETE BOX CULVERT
WITH 12" GRAVEL STREAM BED MATERIAL
AND CONCRETE WING WALLS AND
CHAIN LINK FENCE

LIMIT OF D.R.O.W.

APPROXIMATE SLOPE LIMITS

R-B END ANCHORAGE
TYPE I

SEDIMENTATION CONTROL SYSTEM

37.5' - METAL BEAM RAIL
(TYPE R-B MASH)

CUT BITUMINOUS
CONCRETE PAVEMENT

REMOVE AND REST
BRICK EDGING

BITUMINOUS CONCRETE DRIVEWAY

WETLAND Ⓓ

WETLAND Ⓔ

RELOCATE UTILITY POLE
(BY OTHERS)

REMOVE TREE (TYP.)

BITUMINOUS CONCRETE
LIP CURBING

SEDIMENTATION CONTROL SYSTEM

PC STA. 41+27.19
N 669055.59
E 875562.60

PT STA. 42+75.55
N 669193.78
E 875556.03

PC STA. 45+37.97
N 669456.13
E 875549.61

PT STA. 46+81.21
N 669599.00
E 875557.49

MOOSE HILL ROAD
CURVE NO. 6
BASE LINE CURVE DATA
Δ = 2°-38'-32.5"
R = 3000.00'
L = 138.35'
T = 69.19'

MOOSE HILL ROAD
CURVE NO. 7
BASE LINE CURVE DATA
Δ = 9°-07'-08.1"
R = 900.00'
L = 143.24'
T = 71.77'

107 MOOSE HILL ROAD
N/F
JUAN ANTONIO & CECILIA L. CACERES,
SHUJI OKI & HILDA E. OKI
VOL.683,PG.423

N/F
AQUARIAN WATER COMPANY OF CONNECTICUT

PARCEL G01-2
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

PARCEL G01-10
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

15 MOOSE HILL ROAD
N/F
MARK A. & CHARLENE GARAMELLA

wooded area

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.
1	5/03/17	Revised Street Line per Town of Trumbull	

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.

DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 41+00 TO STA. 45+40

PROJECT NO.: L144-0001
DRAWING NO.: PLN-7
SHEET NO.: 03.33

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSte_Contract_Sheet_Files\Plan\Moosehill_PLN-07.dwg

1265 DANIELS FARM ROAD
N/F
ROSE A. FRYE

1279 DANIELS FARM ROAD
N/F
THOMAS A. & LISA J. PICONE
VOL.1579,PG..891

11 MOOSE HILL ROAD
N/F
JOHN C. HOUSTON
VOL.1345,PG.272

13 MOOSE HILL ROAD
N/F
RICHARD & JESSICA GRASSIA
VOL.1612,PG.581

1260 DANIELS FARM ROAD
N/F
PAUL COSTEINES

282 DANIELS FARM ROAD
N/F
JANET OLSZEWSKI

14 McGUIRE ROAD
N/F
DAVID R. & DANIELLE R. DELIBRO

7 McGUIRE ROAD
N/F
MICHELLE LOMY-ORNITZ TRUSTEE & ALAN H. ORNITZ TRUSTEE
VOL.1624,PG.693

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON & WESLEY DAVID DAYTON
VOL.1170,PG.168

DANIELS FARM ROAD

MOOSE HILL ROAD

MCGUIRE ROAD

10+00 11+00 12+00 13+00 14+00 15+00 16+00 51+00 52+00

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 12+60, 16' LT
T.F. = 499.60
INV. = 493.80

7 L.F. - 12" RCP

21 L.F. - 12" RCP

174 LF - 4" EDGEDRAIN

200 LF - 4" EDGEDRAIN

122 L.F. - 4" EDGERDRAIN

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 14+70, 16' LT
T.F. = 489.12
INV. = 483.80

7 L.F. - 12" RCP

16 L.F. - 12" RCP

124 LF - 4" EDGEDRAIN

206 L.F. - 15" RCP

144 LF - 4" EDGEDRAIN

MANHOLE
STA. 12+60.65, 4.0' LT
T.F. = 499.20
INV. = 493.70 (W)
INV. = 491.80 (E,N)

TYPE "C" CATCH BASIN
OVER 10' DEEP
WITH 18" SNOUT
STA. 12+60, 21.9' RT
T.F. = 499.20
INV. = 491.95

MANHOLE
STA. 14+70, 4' LT
T.F. = 489.36
INV. = 483.70 (W)
INV. = 483.60 (S)
INV. = 481.40 (E)

TYPE "C" CATCH BASIN
OVER 10' DEEP
WITH 18" SNOUT
STA. 14+70, 16' RT
T.F. = 489.12
INV. = 481.20 (W)
INV. = 481.10 (N)

127 L.F. - 15" RCP WITH
124 LF - 4" EDGEDRAIN

LIMIT OF WETLAND

MATCH LINE DRAWING NO. DRN-2

WATER (Aquarion Water Company of Connecticut)

Test Pit #	BASELINE Station	BASELINE Offset	Northing	Easting	Ground Elevation (FT)	Top of Pipe Elevation	Utility Description	Relocation Anticipated
W-1	Sta. 12+65.8	4' Rt.	666191.68	875646.78	496.97	4'6"	12" Water Main	No
W-2	Sta. 14+72.7	10.1' Rt.	666396.33	875640.21	489.21	4'8"	12" Water Main	No
W-3	Sta. 16+96.2	7' Rt.	666621.18	875620.49	481.51	3'10"	12" Water Main	No
W-4	Sta. 19+40.2	8.1' Rt.	666864.09	875594.04	479.6	4'	12" Water Main	Yes-Conflict
W-5	Sta. 22+31.3	4.1' Rt.	667151.96	875560.52	480.47	4'4"	12" Water Main	Yes-Cover
W-6	Sta. 24+96.4	5.4' Rt.	667415.49	875533.21	467.78	4'4"	12" Water Main	No
W-7	Sta. 26+27.4	10.3' Rt.	667542.95	875535.01	456.58	4'2"	12" Water Main	Yes-Cover
W-8	Sta. 28+50.3	12.8' Rt.	667768.62	875544.25	438.71	4'2"	12" Water Main	Yes-Conflict
W-9	Sta. 29+00.5	13' Rt.	667819.16	875547.26	437.31	3'11"	12" Water Main	No
W-10	Sta. 30+03	14' Rt.	667921.76	875551.58	436.54	4'3"	12" Water Main	Yes-Conflict
W-11	Sta. 31+67.2	11.8' Rt.	668083.96	875554.29	438.51	4'4"	12" Water Main	No
W-12	Sta. 61+88	8.9' Lt.	668065.27	875502.73	438.06	4'7"	8" Water Main	
W-13	Sta. 34+81.9	7.3' Rt.	668400.66	875560.61	431.59	4'3"	12" Water Main	No
W-14	Sta. 37+14	3.9' Rt.	668634.88	875565.01	425.18	4'10"	12" Water Main	No
W-15	Sta. 39+29.9	14' Rt.	668847.17	875583.51	413.76	4'2"	12" Water Main	Yes-Conflict
W-16	Sta. 40+31.7	9.5' Rt.	668948.4	875579.61	410.21	4'6"	12" Water Main	Yes-Cover
W-17	Sta. 42+15.8	5' Rt.	669133.88	875563.33	395.36	4'3"	12" Water Main	Yes-Conflict
W-18	Sta. 43+53.5	7.3' Rt.	669272.81	875563.16	391.43	5'2"	12" Water Main	Yes-Culvert
W-19	Sta. 43+77.8	6.1' Rt.	669297.51	875563.33	391.17	5'4"	12" Water Main	Yes-Culvert
W-20	Sta. 44+70	4' Rt.	669389.13	875557.08	391.04	4'3"	12" Water Main	No

GAS (Southern Connecticut Gas Co.)

Test Pit #	BASELINE Station	BASELINE Offset	Northing	Easting	Ground Elevation (FT)	Top of Pipe Elevation	Utility Description	Relocation Anticipated
G-1	Sta. 12+60	13.7' Lt.						
G-2	Sta. 14+70	10.8' Lt.						
G-3	Sta. 17+00	8.6' Lt.						
G-4	Sta. 19+40	3.7' Lt.						
G-5	Sta. 22+30	9.2' Lt.						
G-6	Sta. 25+00	5.7' Lt.						
G-7	Sta. 26+35	3.3' Lt.						
G-8	Sta. 27+65	0.5' Lt.						
G-9	Sta. 28+40	1.1' Rt.						
G-10	Sta. 30+04	0.6' Rt.						
G-11	Sta. 30+51	0.1' Lt.						
G-12	Sta. 34+90	4.9' Lt.						
G-13	Sta. 37+20	8.8' Lt.						
G-14	Sta. 39+30	6.8' Lt.						
G-15	Sta. 40+30	7.7' Lt.						
G-16	Sta. 42+16	12.6' Lt.						
G-17	Sta. 43+55	10.4' Lt.						
G-18	Sta. 43+80	10.1' Lt.						
G-19	Sta. 44+70	9.1' Lt.						
G-20	Sta. 70+64	9.5' Rt.						

NOTE

1. ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES TO BE REMOVED AND SHALL BE PAID FOR UNDER THE ITEM " TRENCH EXCAVATION"

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DRAINAGE PLAN MOOSE HILL ROAD STA. 10+75 TO STA. 16+00

PROJECT NO.: L144-0001

DRAWING NO.: DRN-1

SHEET NO.: 03.34

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MATCH LINE DRAWING NO. DRN-1

MATCH LINE DRAWING NO. DRN-3

MOOSE HILL ROAD

17 MOOSE HILL ROAD
N/F
SCOTT C REIS &
JOSEPHINE MARCELLINO-REIS
VOL.1468,PG.28

19 MOOSE HILL ROAD
N/F
DIANE R. OLSEN
VOL.1359,PG.295

25 MOOSE HILL ROAD
N/F
JOSEPH C & MARY ANN RUOSPO
VOL.976,PG.02

31 MOOSE HILL ROAD
N/F
JASON BURNSIDE
VOL.1620,PG.490

26 MOOSE HILL ROAD
N/F
KIMBERLY ATHERTON
VOL.1558,PG.165

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON
& WESLEY DAVID DAYTON
VOL.1170,PG.128

TYPE "C" CATCH BASIN
OVER 10' DEEP
WITH 15" SNOUT
STA. 17+00, 16' LT
T.F. = 482.35
INV. = 474.70

27 L.F. - 12" RCP

96 L.F. - 4" EDGEDRAIN

180 L.F. - 4" EDGEDRAIN

48 L.F. - 15" RCP WITH
46 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
WITH 18" SNOUT
STA. 18+90, 16' LT
T.F. = 479.41
INV. = 473.90

LOW POINT
STA. 18+90.79

88 L.F. - 15" RCP

LIMIT OF WETLAND

EXISTING
DRAINAGE
EASEMENT

PREFORMED SCOUR HOLE

STANDARD ENDWALL
STA. 19+79.0, 95.9' LT
INV. = 472.90

LIMIT OF WETLAND

TYPE "C" CATCH BASIN DOUBLE GRATE-TYPE II
OVER 10' DEEP (4' SUMP) WITH 18" SNOUT
STA. 19+43.3, 16' LT
T.F. = 479.30
INV. = 473.20 (S,E)
INV. = 473.10 (W)

REMOVE CATCH BASIN
AND PIPE

152 L.F. - 4" EDGEDRAIN

98 L.F. - 15" RCP WITH
98 L.F. - 4" EDGEDRAIN

187 L.F. - 15" RCP WITH
184 L.F. - 4" EDGEDRAIN

24 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
WITH 18" SNOUT
STA. 18+90, 16' RT
T.F. = 479.41
INV. = 473.85 (S)
INV. = 473.75 (N)

54 L.F. - 15" RCP WITH
52 LF - 4" EDGEDRAIN

27 L.F. - 15" RCP

5 L.F. - 4" PVC

5 L.F. - 6" PVC

REMOVE CATCH BASIN
AND PIPE

150 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN DOUBLE GRATE-TYPE II
OVER 10' DEEP(4' SUMP) WITH 18" SNOUT
STA. 19+47.6, 16' RT
T.F. = 479.20
INV. = 473.50 (S)
INV. = 473.40 (W)

LIMIT OF WETLAND

TYPE "C" CATCH BASIN
OVER 10' DEEP
WITH 18" SNOUT
STA. 17+00, 16' RT
T.F. = 482.35
INV. = 476.90 (S)
INV. = 474.50 (W)
INV. = 474.40 (N)

17+00 18+00 19+00 20+00

SCALE 1"=20'

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DRAINAGE PLAN
MOOSE HILL ROAD
STA. 16+00 TO STA. 21+00

PROJECT NO.: L144-0001
DRAWING NO.: DRN-2
SHEET NO.: 03.35

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MATCH LINE DRAWING NO. DRN-2

MATCH LINE DRAWING NO. DRN-4

90 L.F. - 4" EDGEDRAIN

304 L.F. - 4" EDGEDRAIN

HIGH POINT
STA. 21+91.25

22+00

23+00

24+00

25+00

26+00

MOOSE HILL ROAD

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 25+00, 16 LT
T.F. = 467.30
INV. = 460.30

10 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 26+35, 16' LT
T.F. = 454.55
INV. = 449.00

27 L.F. - 12" RCP

27 L.F. - 12" RCP

128 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
OVER 10' DEEP
WITH 18" SNOUT
STA.25+00, 16' RT
T.F. = 467.30
INV. = 460.00 (W)
INV. = 459.90 (N)

130 L.F. - 15" RCP WITH
128 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
WITH 18" SNOUT
STA. 26+35, 16' RT
T.F. = 454.55
INV. = 448.70 (S,W)
INV. = 448.60 (N)

12 L.F. - 15" RCP WITH
10 L.F. - 4" EDGEDRAIN

90 L.F. - 4" EDGEDRAIN

304 L.F. - 4" EDGEDRAIN

39 MOOSE HILL ROAD
N/F
ANNE E.GALLAGHER
VOL.356,PG.303

41 MOOSE HILL ROAD
N/F
JAMES & MARIE CULLAGH
VOL.276,PG.85

49 MOOSE HILL ROAD
N/F
JOSEPH J. & DEBORAH E. HYATT
VOL.1327,PG.664

42 MOOSE HILL ROAD
N/F
BERNICE URBAN TRUSTEE
VOL.1480,PG.634

36 MOOSE HILL ROAD
N/F
JOHN R. BLACKWELL
VOL.1636,PG.64

46 MOOSE HILL ROAD
N/F
MICHAEL J. & ANNA M. VIOLA
VOL.970,PG.233

56 MOOSE HILL ROAD
N/F
LAUREN & LUIS HUERTA
VOL.1562,PG.936

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DRAINAGE PLAN
MOOSE HILL ROAD
STA. 21+00 TO STA. 26+50

PROJECT NO.: L144-0001

DRAWING NO.: DRN-3

SHEET NO.: 03.36

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MATCH LINE DRAWING NO. DRN-3

MATCH LINE DRAWING NO. DRN-5

MOOSE HILL ROAD

WHITEFIELD DRIVE

55 MOOSE HILL ROAD
N/F
ZBIGNIEW NOGA & ZDZISLAWA NOGA
VOL.438,PG.493

59 MOOSE HILL ROAD
N/F
ANNA PAVLOV
VOL.1089,PG.644

63 MOOSE HILL ROAD
N/F
EMINA COOK
VOL.1431,PG.747

67 MOOSE HILL ROAD
N/F
RICHARD J. PACELLI
&JENNIFER K. PACELLI
VOL.930,PG.25

62 MOOSE HILL ROAD
N/F
MATTHEW ALMY & JULIE ENTWISTLE
VOL.1412,PG.642

70 MOOSE HILL ROAD
N/F
MICHAEL T. & DANIELLE T. PELLICONE
VOL.1196,PG.764

76 MOOSE HILL ROAD
N/F
GEORGE JR. & MATILDA JACOBS
VOL.192,PG.195

198 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 28+50, 16' LT
T.F. = 439.48
INV. = 435.30

26 L.F. - 12" RCP

198 L.F. - 15" RCP WITH
198 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
WITH 18" SNOUT
STA. 28+50, 16' RT
T.F. = 439.48
INV. = 435.00 (S,W)
INV. = 433.90 (N)

152 L.F. - 15" RCP WITH
150 L.F. - 4" EDGEDRAIN

15" R.C. CULVERT END
STA. 30+24.9, 28.2' LT
INV. = 434.90

24 L.F. - 15" RCP

REMOVE CATCH BASIN
AND PIPES

TYPE "C" CATCH BASIN
WITH 18" SNOUT
STA. 30+06.7, 16' LT
T.F. = 436.16
INV. = 433.10 (W)
INV. 433.00 (E)

148 L.F. - 4" EDGEDRAIN

28 L.F. - 15" RCP WITH
28 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN
PLUG PIPES

TYPE "C" CATCH BASIN
DOUBLE GRATE TYPE II
(4' SUMP) WITH 18" SNOUT
STA. 29+92.5, 16' RT
T.F. = 436.16
INV. = 432.80 (S,W)
INV. = 432.70 (E)

67 L.F. - 15" RCP

CUT AND PLUG
15" RCP

EXISTING DRAINAGE EASEMENT

4 L.F. - 15" RCP

CONNECT NEW 15" RCP TO EXISTING
15" RCP AT NEAREST JOINT

CLEAN EXISTING 15" RCP

THE OUTLET SHALL BE CLEARED BY HAND
AND 12' OF ROUNDED RIPRAP ON 6" OF
GRANULAR FILL SHALL BE PLACED IN THE
CHANNEL TO PROVIDE SEDIMENTATION AND
EROSION PROTECTION. ALL WORK TO PERFORM
THIS TASK SHALL BE INCLUDED IN THE ITEMS
ROUNDED RIPRAP AND GRANULAR FILL.

MATCH LINE "A"

MATCH LINE "A"

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 61+85, 19.2' RT
T.F. = 437.10
INV. = 430.50

LIMIT OF
WETLAND

LOW POINT
STA. 61+83.99

LIMIT OF
D.R.O.W.

84 L.F. - 4"
EDGEDRAIN

LOW POINT
STA. 30+06.71

164 L.F. - 4" EDGEDRAIN

REMOVE EXISTING MANHOLE AND
PIPE IF RIGHT OF ENTRY IS
OBTAINED

CUT AND PLUG
15" RCP

MANHOLE
STA. 30+22.4, 80.2' RT
TF.= 436.5
INV. = 431.57 (W)
INV.= 431.55 (E)

30 L.F. - 12" RCP

TYPE "C" CATCH BASIN WITH 15" SNOUT
STA. 61+85, 14.9' LT
T.F. = 437.19
INV. = 430.30 (S)
INV. = 430.20 (E)

28 L.F. - 12" RCP

TYPE "C" CATCH BASIN
OVER 10' DEEP WITH 15" SNOUT
STA. 31+67, 19' LT
T.F. = 438.00
INV. = 430.00 (W)
INV. = 429.90 (E)

31 L.F. - 4" EDGEDRAIN

28 L.F. - 12" RCP

TYPE "C" CATCH BASIN
OVER 10' DEEP
WITH 18" SNOUT
STA. 31+65.4, 16' RT
T.F. = 438.06
INV. = 429.60 (W)
INV. = 429.50 (N)

31 L.F. - 4" EDGEDRAIN

31 L.F. - 15"RCP

27+00 28+00 29+00 30+00 31+00 32

61+00 62+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DRAINAGE PLAN
MOOSE HILL ROAD
STA. 26+50 TO STA. 32+00

PROJECT NO.: L144-0001
DRAWING NO.: DRN-4
SHEET NO.: 03.37

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSIa_Contract_Sheet_Files\Plan\MooseHill_DRN-04.dwg

MATCH LINE DRAWING NO. DRN-4

MATCH LINE DRAWING NO. DRN-6

MOOSE HILL ROAD

HIGH POINT
STA. 32+30.23

CLEANOUT

47 L.F. - 6" PVC

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 34+90, 16' LT
T.F. = 430.82
INV. = 424.30

27 L.F. - 12" RCP

28 L.F. - 4" EDGEDRAIN

254 L.F. - 4" EDGEDRAIN

155 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN
REMOVE 15" CMP

REMOVE CATCH BASIN
AND 12" CMP

157 L.F. - 15" RCP WITH
155 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
WITH 18" SNOUT
STA. 34+90, 16' RT
T.F. = 430.82
INV. = 425.40 (S)
INV. = 424.00 (W)
INV. = 423.90 (N)

28 L.F. - 4" EDGEDRAIN

289 L.F. - 15" RCP

254 L.F. - 4" EDGEDRAIN

6 WHITEFIELD DRIVE
N/F
EMMANUEL TRIBIE
& PEGGY B. TRIBIE
VOL.928,PG.327

91 MOOSE HILL ROAD
N/F
AMY MORAIS & KAREN A LEWELLYN
VOL.1526,PG.520

97 MOOSE HILL ROAD
N/F
ANNA THOMPSON
VOL.226,PG.461

99 MOOSE HILL ROAD
N/F
KEITH A. & MARTHA F. MAJERSKY
VOL.970,PG.710

82 MOOSE HILL ROAD
N/F
NEIL & GAIL SANTOSSIO
VOL.935,PG.494

88 MOOSE HILL ROAD
N/F
CARLOS H. & ANGELA C. MORALES
VOL.1450,PG.588

98 MOOSE HILL ROAD
N/F
JAMES & JENNIFER LINDINE
VOL.1438,PG.686

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DRAINAGE PLAN
MOOSE HILL ROAD
STA. 32+00 TO STA. 36+50

PROJECT NO.: L144-0001

DRAWING NO.: DRN-5

SHEET NO.: 03.38

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MATCH LINE DRAWING NO. DRN-5

MATCH LINE DRAWING NO. DRN-7

99 MOOSE HILL ROAD
N/F
KEITH A. & MARTHA F. MAJERSKY
VOL.970,PG.710

107 MOOSE HILL ROAD
N/F
JUAN ANTONIO & CECILIA L. CACERES,
SHUJI OKI & HILDA E. OKI
VOL.683,PG.423

100 MOOSE HILL ROAD
N/F
BRADLEY T. & NANCY V. DOBBS
VOL.956,PG.253

PARCEL G01-12
N/F
WASYL PELESCHUK
VOL.1336,PG.743

110 MOOSE HILL ROAD
N/F
FERNANDO ABREGO &
ELIZABETH GONZALEZ
VOL.1436,PG.353

MOOSE HILL ROAD

37+00 38+00 39+00 40+00

TYPE "C" CATCH BASIN
OVER 10' DEEP
WITH 15" SNOUT
STA. 37+20, 16' LT
T.F. = 424.63
INV. = 417.20

67 L.F. - 4" EDGEDRAIN

27 L.F. - 12" RCP

REMOVE EXISTING
15" CMP

200 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN
AND 15" CMP (E,S)

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 39+29.6, 16' LT
T.F. = 415.26
INV. = 410.30

27 L.F. - 15" RCP

162 L.F. - 4" EDGEDRAIN

68 L.F. - 15" RCP WITH
68 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
OVER 10' DEEP
STA. 37+20, 16' RT
T.F. = 424.63
INV. = 419.20 (S)
INV. = 416.90 (W)
INV. = 416.70 (N)

REMOVE EXISTING 15" CMP

PLUG EXISTING 15" CMP

207 L.F. - 15" RCP WITH
205 L.F. - 4" EDGEDRAIN

CONNECT TO EXISTING
APPROXIMATE INV. = 410.0
CONTRACTOR SHALL CONFIRM ELEVATIONS
PRIOR TO THE CONSTRUCTION OF THE
STORM LINE IN THE ROADWAY.

47 L.F. - 6" PVC

TYPE "C" CATCH BASIN
STA. 39+29.6, 16' RT
T.F. = 415.26
INV. = 410.00 (S,W)
INV. = 409.50 (E)
INV. = 408.00 (N)

162 L.F. - 4" EDGEDRAIN

PLUG EXISTING 15" CMP

168 L.F. - 18" RCP

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DRAINAGE PLAN
MOOSE HILL ROAD
STA. 36+50 TO STA. 41+00

PROJECT NO.: L144-0001
DRAWING NO.: DRN-6
SHEET NO.: 03.39

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSIa_Contract_Sheet_Files\Plan\MooseHill_DRN-06.dwg

MATCH LINE DRAWING NO. DRN-6

MATCH LINE DRAWING NO. DRN-8

25 L.F. - 15" RCP

10 L.F. - 15" RCP

5 L.F. - 15" ACCMP

MANHOLE
STA. 70+52, 18.6' LT
T.F. = 393.52
INV. = 388.75 (E)
INV. =387.37 (W)

TYPE "C" CATCH BASIN
WITH 18" SNOUT
STA. 70+63.7, 15' LT
T.F. = 392.58
INV. = 389.00 (S)
INV. = 388.90 (NW)

TYPE "C" CATCH BASIN
WITH 18" SNOUT
STA. 70+63.7, 15' RT
T.F. = 392.58
INV. = 389.20

REMOVE CATCH BASIN
AND PIPE

94 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
WITH 15" SNOUT
STA. 42+14.9, 20.2' LT
T.F. = 396.45
INV. = 392.30

REMOVE CATCH BASIN
AND PIPE

LIMIT OF WETLAND

52 L.F. - 8'x3.5' PRECAST CONCRETE
BOX CULVERT WITH 12" GRAVEL
STREAM BED MATERIAL

LIMIT OF D.R.O.W.

18 L.F. - 4" EDGEDRAIN

LIMIT OF WETLAND

TYPE "C" CATCH
WITH 15" SNOUT
STA. 44+01.44, 16' LT
T.F. = 391.05
INV. = 388.26

26 L.F. - 12" DIP WITH
26 L.F. - 4" EDGEDRAIN

52 L.F. - 4" EDGEDRAIN

82 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH
WITH 15" SNOUT
STA. 45+40, 14.27' LT
T.F. = 390.79
INV. (W)= 388.67

56 L.F. - 4" EDGEDRAIN

32 L.F. - 15" RCP

89 L.F. - 4"
EDGEDRAIN

51 L.F. - 4"
EDGEDRAIN

114 L.F. - 4" EDGEDRAIN

LOW POINT
STA. 70+63.02

LOW POINT
STA. 44+01.44

HIGH POINT
STA. 44+55.07

LOW POINT
STA. 45+40.08

55 L.F. - 12" DIP CAPPED

56 L.F. - 4" EDGEDRAIN

24 L.F. - 12" DIP WITH
24 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH
WITH 15" SNOUT
STA. 45+40, 16' RT
T.F. = 390.79
INV. (W)= 388.57
INV. (S)= 388.57

82 L.F. - 4" EDGEDRAIN

135 L.F. - 12" DIP

50 L.F. - 4" EDGEDRAIN

LIMIT OF WETLAND

TYPE "C" CATCH BASIN
(4' SUMP) WITH 15" SNOUT
STA. 44+01.44 16' RT
T.F. = 391.05
INV. (N,W) = 388.00
INV. (S) = 388.00

31 L.F. - 12" DIP

12" RCP
INV. = 387.60

30 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
STA. 43+35, 16' RT
T.F. = 391.99
INV. = 388.00 (S)
INV. = 387.90 (N)

6 L.F. - 24" RCP WITH
6 L.F. - 4" EDGEDRAIN

HYDRODYNAMIC SEPARATOR
(SITE NO. 1)
STA. 43+48, 15' RT
T.F. = 391.68
INV. = 387.80

17 L.F. - 24" RCP

LIMIT OF D.R.O.W.

24" RCP
INV. = 387.60

112 L.F. - 18" RCP

118 L.F. - 4" EDGEDRAIN

LIMIT OF WETLAND

TYPE "C" CATCH BASIN
STA. 42+15.1, 16' RT
T.F. = 396.60
INV. = 392.00 (S,W)
INV. = 390.60 (N)

114 L.F. - 24" RCP WITH
114 L.F. - 4" EDGEDRAIN

WITKOWSKI BROOK

TRUMBULL
SHELTON

TOWN LINE

MOOSE HILL ROAD

GORGE ROAD

DEEP

35'

15'

180°

+52

70+00

71+00

42+00

43+00

44+00

46+00

47+00

PARCEL G01-2
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

107 MOOSE HILL ROAD
N/F
JUAN ANTONIO & CECILIA L. CACERES,
SHUJI OKI & HILDA E. OKI
VOL.683,PG.423

15 MOOSE HILL ROAD
N/F
MARK A. & CHARLENE GARAMELLA

TOP OF WALL=395.50
INV=390.21 (15" RCP)
INV=389.05 (42"x29" RCP)

TOP OF WALL=392.78 (42"x29" RCP)
INV=389.78 (15" RCP)

TYPE "C" CB
T.F.=391.77
INV=389.10 (S) (15" RCP)
INV=389.90 (W) (15" RCP)

TYPE "C" CB
T.F.=391.99
INV=389.00 (S) (15" RCP)

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.
1	5/03/17	Revised Street Line per Town of Trumbull	

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DRAINAGE PLAN
MOOSE HILL ROAD
STA. 41+00 TO STA. 45+40

PROJECT NO.: L144-0001

DRAWING NO.: DRN-7

SHEET NO.: 03.40

Q:\Projects\Luchs Projects\3043 Moose Hill Road\Highways\MSta_Conrad_Sheet_Files\Plan\MooseHill_DRN-07.dwg

BEGINNING OF STATE PROJECT NO. 144-TMP1
STA. 10+75
MATCH EXISTING PAVEMENT

PVI STA.10+75.00
EL.=504.06

S=-0.60%

PVC STA.11+20.00
EL.=503.79

MANHOLE

TYPE "C" CATCH BASIN

TYPE "C" CATCH BASIN
OVER 10' DEEP

PVI STA.12+10.00
EL.=503.25

S=-0.60%

S=-6.18%

ISD = 390'
LEFT

ISD >490'
RIGHT

MCGUIRE ROAD ℄

PROPOSED GRADE ALONG
CONSTRUCTION BASELINE

12" RCP

12" RCP

PVT STA.13+00.00
EL.=497.68

L.V.C.=180.00
S.S.D.=264
K=32

PVC STA.13+20.00
EL.=496.45

L.V.C.=160.00
S.S.D.=251
K=49

EXISTING GRADE ALONG
CONSTRUCTION BASELINE

S=-6.18%

S=-6.18%

S=-2.94%

TYPE "C" CATCH BASIN

MANHOLE

TYPE "C" CATCH BASIN
OVER 10' DEEP

PVT STA.14+80.00
EL.=489.15

PVI STA.14+00.00
EL.=491.50

15" RCP

12" RCP

12" RCP

12" RCP

15" RCP

S=-2.94%

MATCH LINE DRAWING NO. PRO-2

510 505 500 495 490 485 480

10+00 10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00 14+50 15+00 15+50 16+00

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSfa_Conrad_Sheet_Files\Profile\MooseHill_PRO-01.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

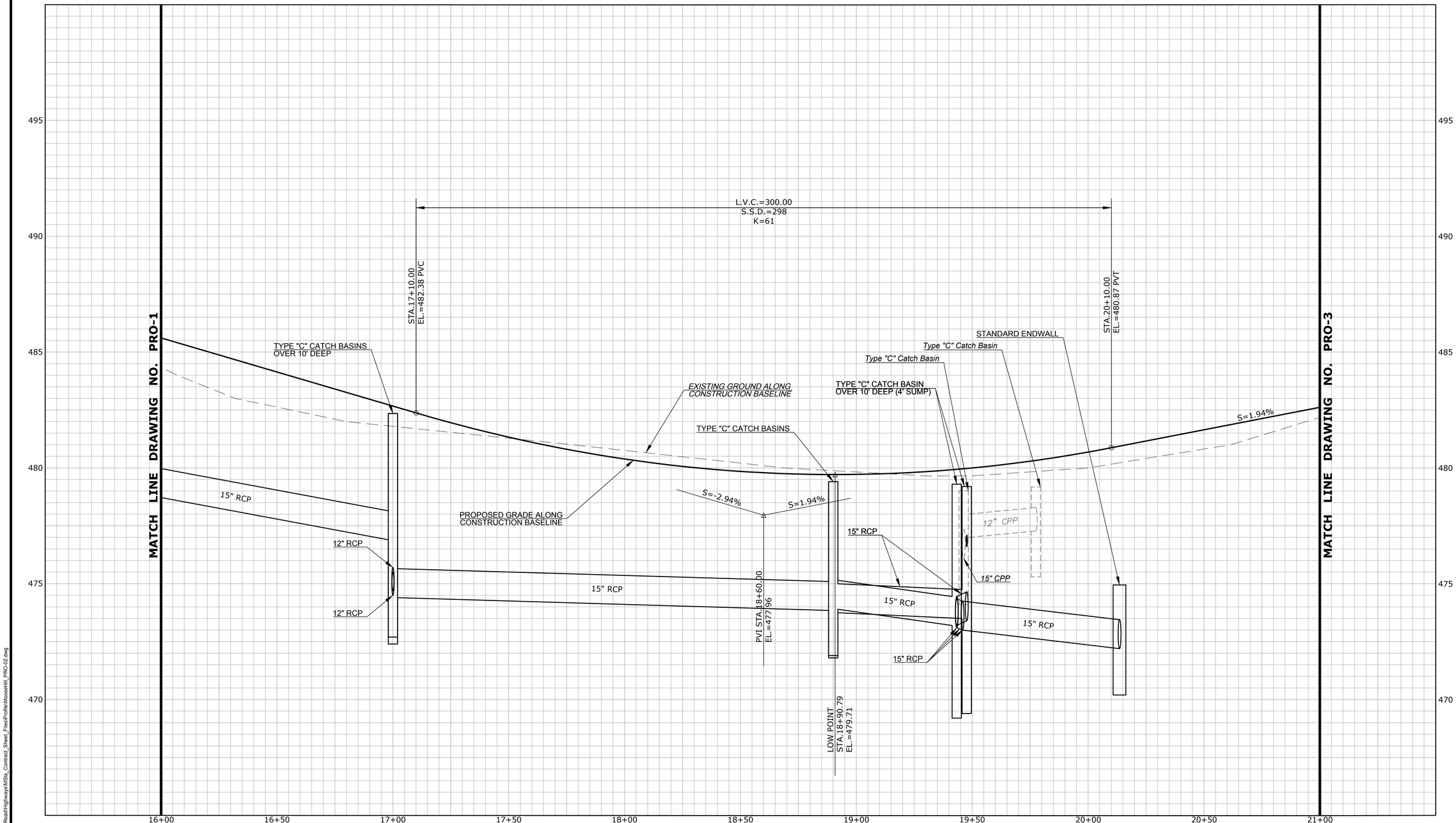
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PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PROFILE
MOOSE HILL ROAD
STA. 10+75 TO STA. 16+00

PROJECT NO.: L144-0001
DRAWING NO.: PRO-1
SHEET NO.: 03.41



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

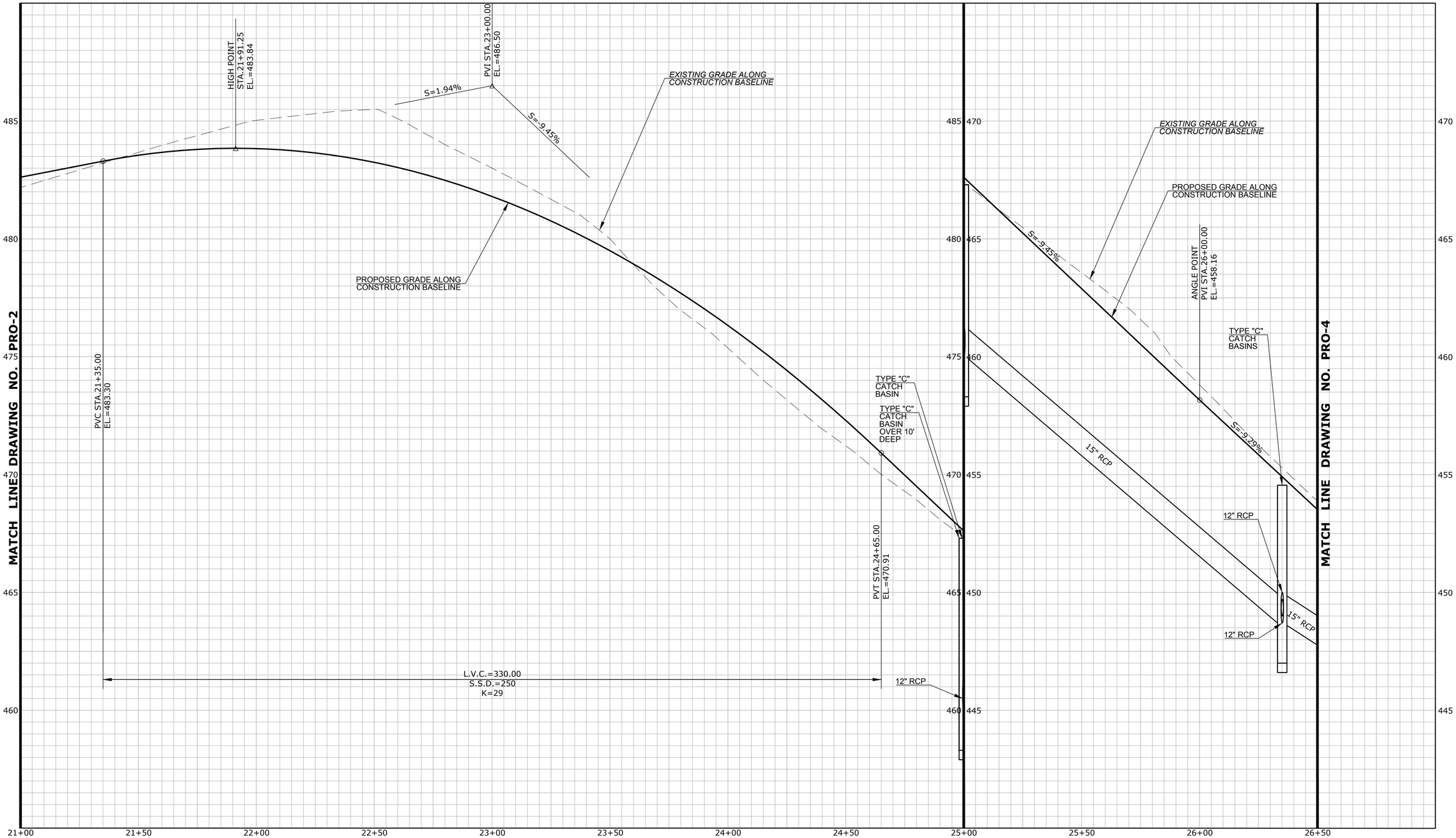
DRAWING TITLE: ROADWAY PROFILE
MOOSE HILL ROAD
STA. 16+00 TO STA. 21+00

PROJECT NO.: L144-0001

DRAWING NO.: PRO-2

SHEET NO.: 03.42

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

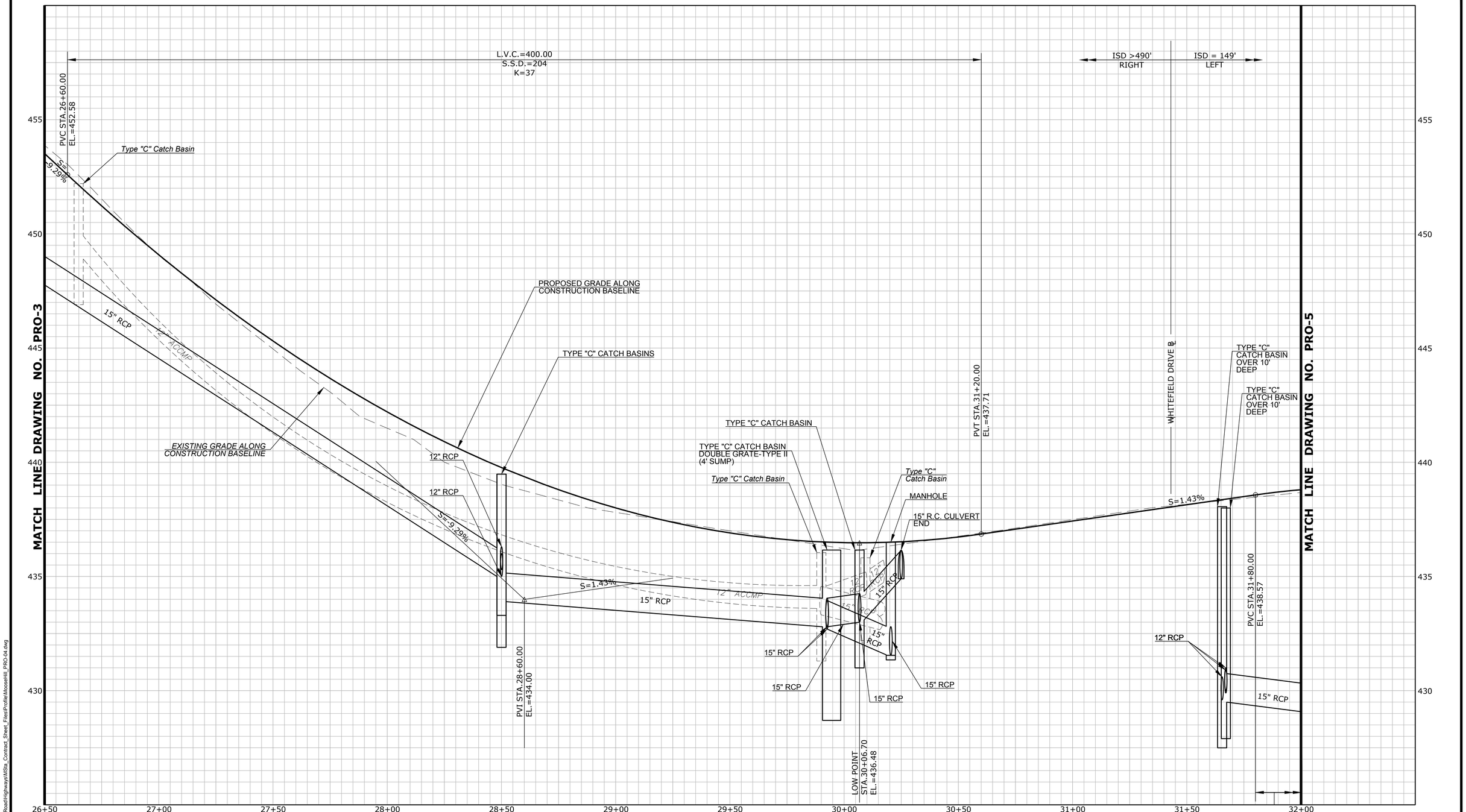
PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PROFILE
MOOSE HILL ROAD
STA. 21+00 TO STA. 26+50

PROJECT NO.: L144-0001
DRAWING NO.: PRO-3
SHEET NO.: 03.43

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

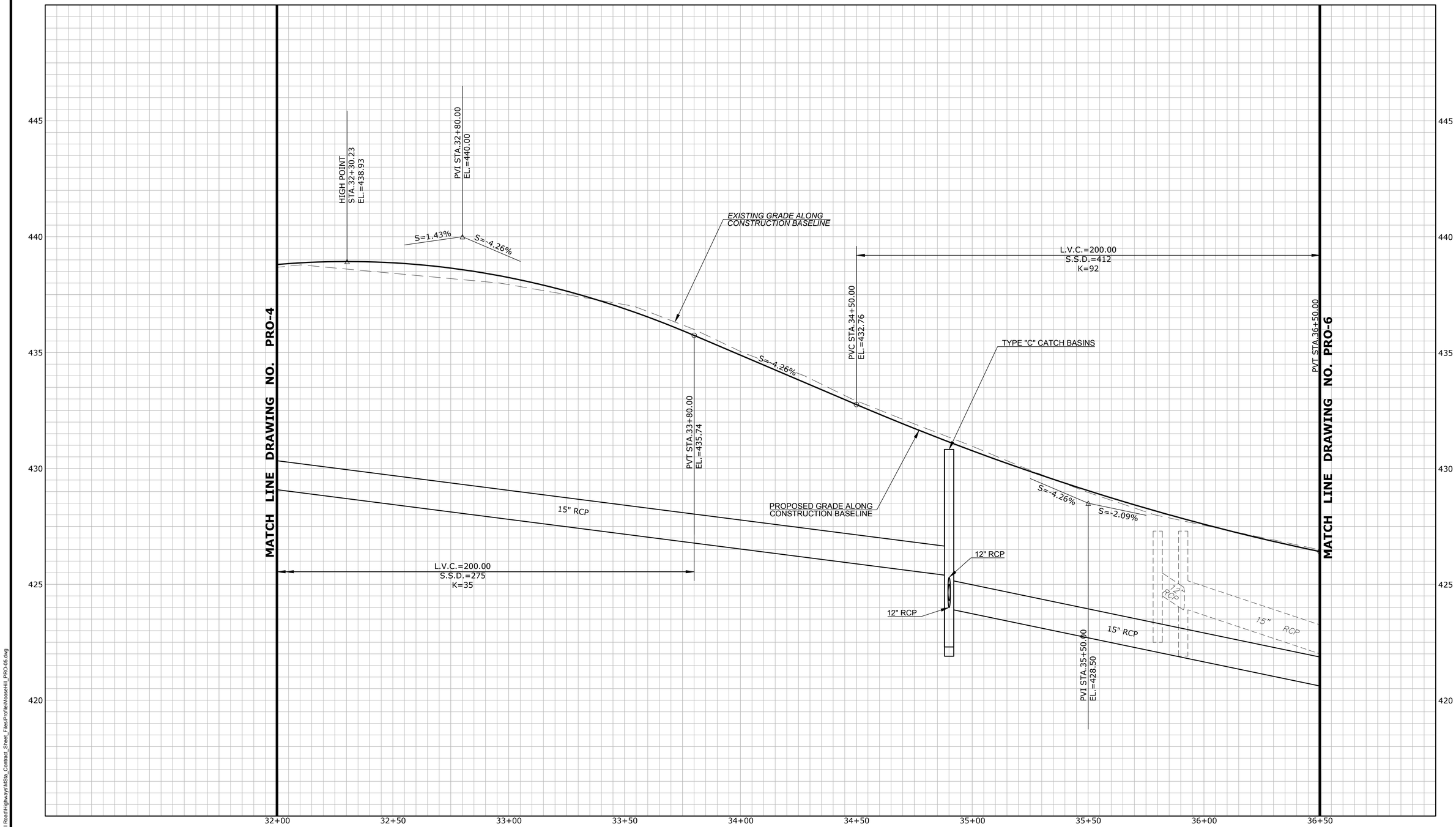
PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PROFILE
MOOSE HILL ROAD
STA. 26+50 TO STA. 32+00

PROJECT NO.: L144-0001
DRAWING NO.: PRO-4
SHEET NO.: 03.44

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

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SCALE IN FEET
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SCALE 1"=20'

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89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

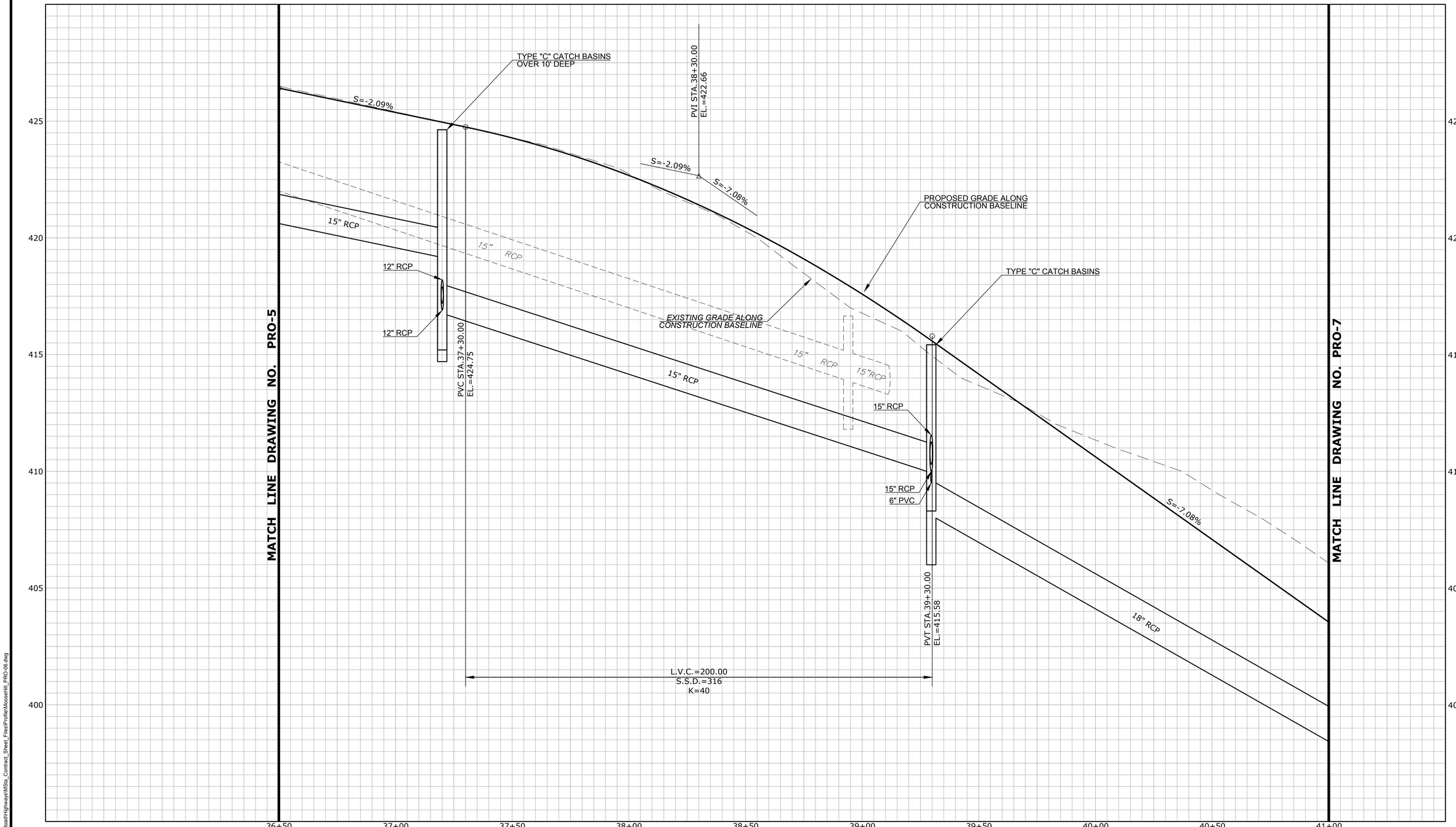
PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PROFILE
MOOSE HILL ROAD
STA. 32+00 TO STA. 36+50

PROJECT NO.: L144-0001
DRAWING NO.: PRO-5
SHEET NO.: 03.45

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Profile\MooseHill_PRO-05.dwg



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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

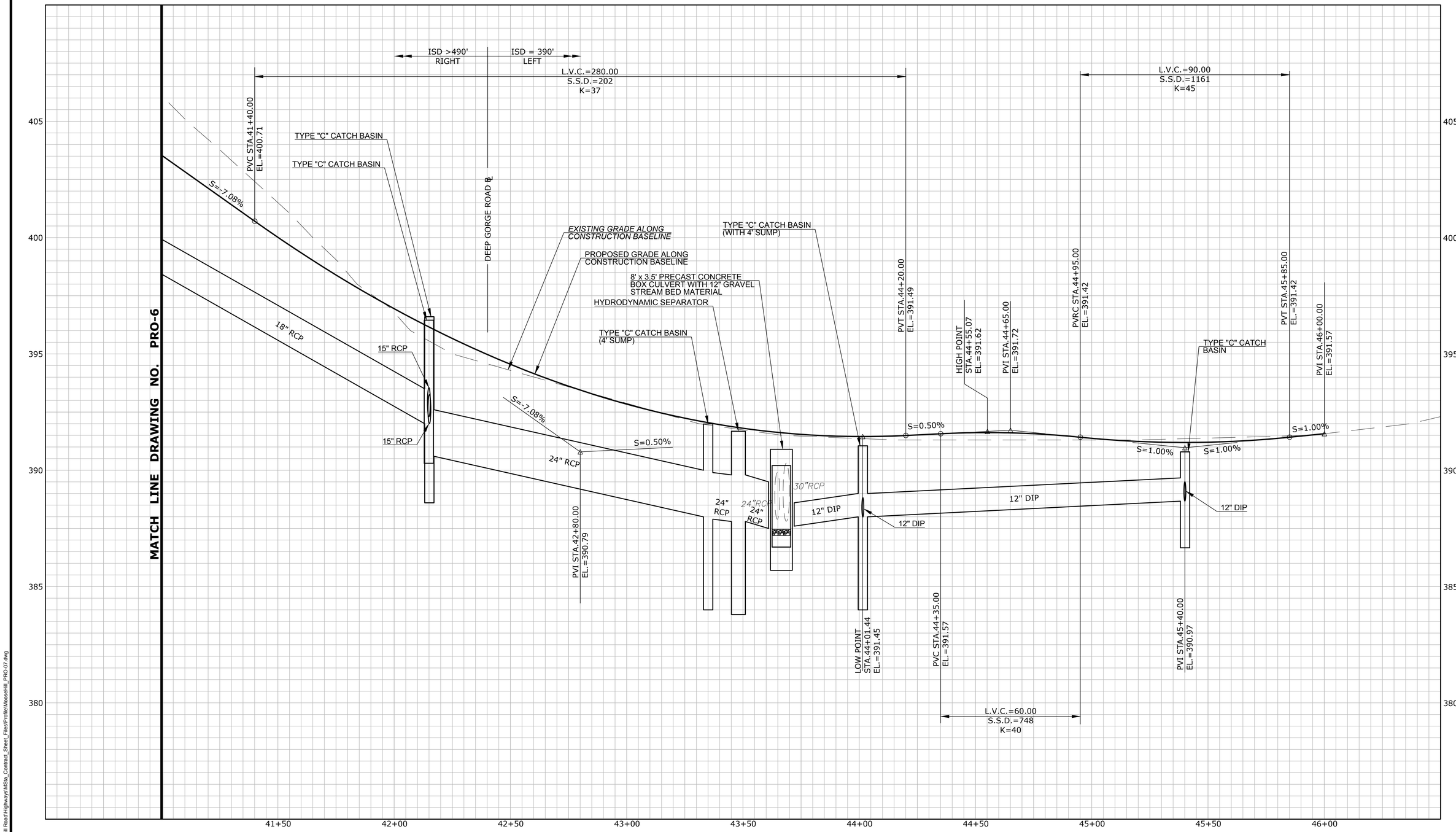
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PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PROFILE
MOOSE HILL ROAD
STA. 36+50 TO STA. 41+00

PROJECT NO.: L144-0001
DRAWING NO.: PRO-6
SHEET NO.: 03.46



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

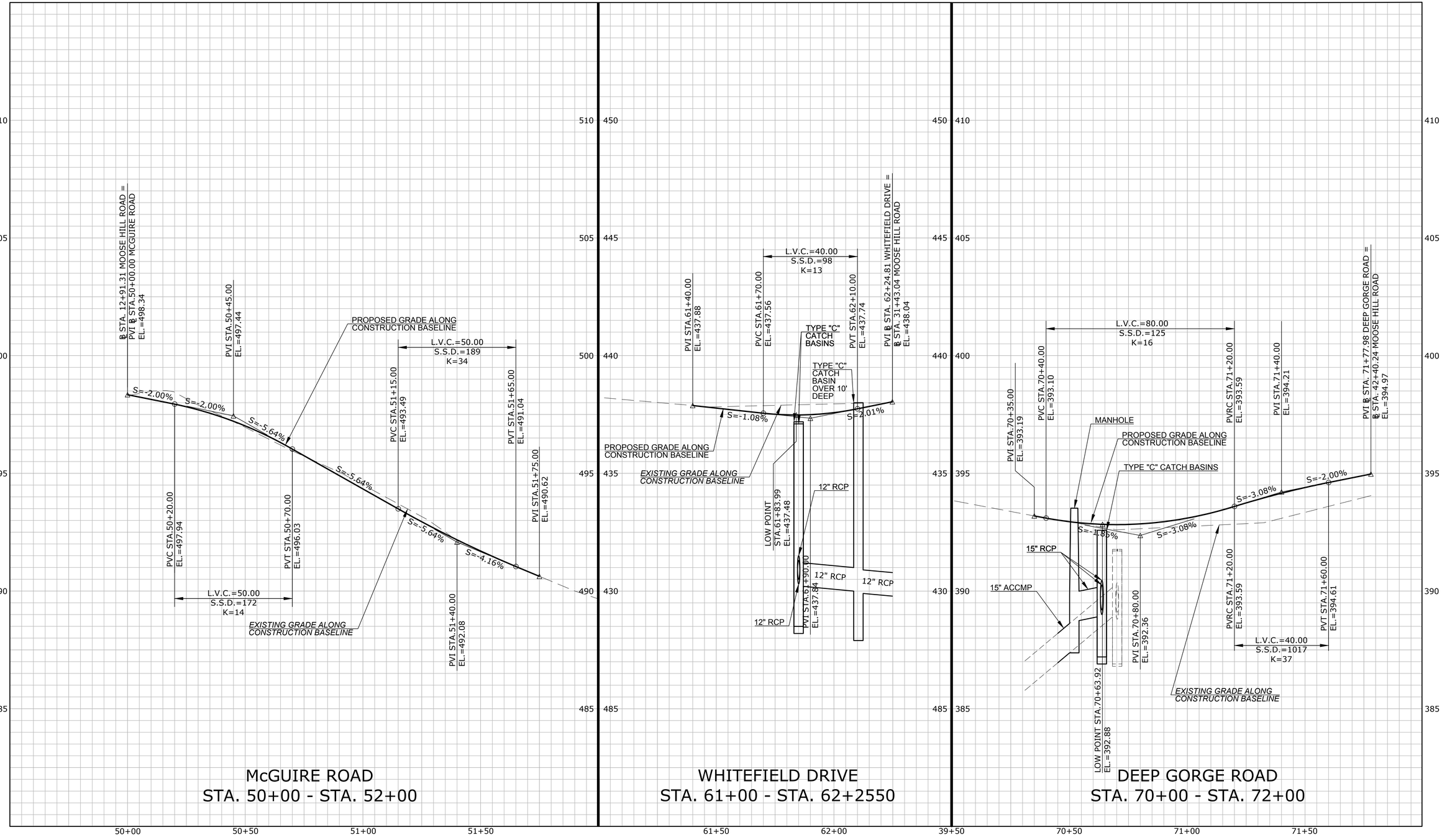
DRAWING TITLE: ROADWAY PROFILE MOOSE HILL ROAD STA. 41+00 TO STA. 45+40

PROJECT NO.: L144-0001

DRAWING NO.: PRO-7

SHEET NO.: 03.47

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PROFILES McGUIRE ROAD, WHITEFIELD DRIVE & DEEP GORGE ROAD

PROJECT NO.: L144-0001

DRAWING NO.: PRO-8

SHEET NO.: 03.48

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HYDROLOGY SUMMARY	
EVENT	FLOW (CFS)
AVERAGE DAILY FLOW	1
AVERAGE SPRING FLOW	1.6
1 YEAR STORM	10.7
2 YEAR STORM	24.1
10 YEAR STORM	72.2
25 YEAR STORM	108
50 YEAR STORM	147
100 YEAR STORM	176

WATER HANDLING NOTES

GENERAL

1. REFER TO ADDITIONAL INFORMATION IN PROJECT SPECIFICATIONS FOR WATER HANDLING, FLOOD CONTINGENCY, AQUARION WATER COMPANY, AND OTHER PERMIT REQUIREMENTS. CULVERT REPLACEMENT TO TAKE PLACE DURING TIME OF LOW STREAM FLOW WITHIN AQUARION WATER COMPANY LICENSED PREMISES. TEMPORARY DESIGN DISCHARGE IS 1.6 C.F.S. FOR THE AVERAGE SPRING FLOW. THE UPSTREAM DESIGN ELEVATION FOR TEMPORARY COFFERDAM #1 (TC) IS 390.0±.
2. CONTRACTOR SHALL SUBMIT PRODUCT INFORMATION ON PUMPS, PIPES, COFFERDAM, AND CONSTRUCTION SCHEDULE TO TOWN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. ALTERNATIVE WATER HANDLING METHODS ARE ALLOWED IF SUBMITTED AND APPROVED.
3. CONTRACTOR MAY USE ELECTRIC PUMPS, BUT SHALL COORDINATE TEMPORARY ELECTRIC SERVICE AND METERING WITH UNITED ILLUMINATING COMPANY.
4. CONTRACTOR TO COORDINATE WATER HANDLING WITH UTILITY COMPANIES RELOCATING UTILITY LINES PRIOR TO BOX CULVERT INSTALLATION. UTILITY COMPANIES SHALL FOLLOW ALL WATER HANDLING AND PERMIT REQUIREMENTS DURING UTILITY RELOCATIONS.
5. ALL DISCHARGE TO WITKOWSKI BROOK FROM BOTH BYPASS SYSTEM AND CONSTRUCTION DISCHARGES TO BE CLEAR WATER. INSTALL ADDITIONAL CONTROLS, IF NECESSARY, DUE TO PHASING OR SCHEDULING REQUIREMENTS.

STAGE 1 INITIAL CONSTRUCTION

6. INSTALL TEMPORARY MAINTENANCE AND PROTECTION OF TRAFFIC BARRIERS, TEMPORARY SIGNS, AND SEDIMENT AND EROSION CONTROLS. SAW CUT MOOSE HILL ROAD TO INSTALL TEMPORARY 12" HDPE PIPE TO SLEEVE DEWATERING HOSES, INSTALL PIPE WITH 12" MINIMUM COVER AND WITH TEMPORARY PAVEMENT.
7. INSTALL PUMP SETTLING BASIN AT LEAST 100 FEET AWAY FROM WITKOWSKI BROOK.
8. INSTALL BYPASS PUMP INTAKE PIPE AND TEMPORARY UPSTREAM AND DOWNSTREAM COFFERDAMS. BOTH COFFERDAMS TO BE STANDARD SANDBAGS WRAPPED WITH PLASTIC SHEETING. PUMP CLEAR BROOK WATER THROUGH WORK AREA AND DISCHARGE WATER DIRECTLY TO BROOK BELOW DOWNSTREAM COFFERDAM.
9. INSTALL SECOND PUMP INTAKE PIPE AND PUMP WITHIN ACTIVE CONSTRUCTION EXCAVATION AND DISCHARGE THAT PUMP HOSE TO THE PUMP SETTLING BASIN. DIRECT ALL MUDDY WATER WITHIN CONSTRUCTION AREA TO PUMP SETTLING BASIN, NOT TO BROOK. PUMP SETTLING BASIN DISCHARGE HOSE TO BE CONNECTED TO A DIRTBAG BY ACF ENVIRONMENTAL WWW.ACFENVIRONMENTAL.COM OR APPROVED EQUAL.

STAGE 2 CULVERT DEMOLITION AND CONSTRUCTION

10. EXCAVATE AND REMOVE EXISTING 24" AND 30" CULVERTS IN SECTIONS.
11. EXCAVATE FOR PROPOSED BOX CULVERT. REMOVE ANY UNSUITABLE MATERIAL OR ROCK AND PLACE CRUSHED STONE LEVELING PAD. INSTALL CUTOFF AND RETURN WALLS UNDER BOX CULVERT INLET AND OUTLET. SET PRECAST BOX CULVERT SECTIONS ON CRUSHED STONE LEVELING PAD.
12. CONSTRUCT UPSTREAM AND DOWNSTREAM FOOTINGS AND WING WALLS. PLACE 12" OF NATIVE GRAVEL STREAMBED MATERIAL WITHIN BOX CULVERT. INSTALL PERMANENT NATIVE ROUNDED RIP RAP AT UPSTREAM AND DOWNSTREAM ENDS OF CULVERT.

STAGE 3 CULVERT COMPLETION

13. INSTALL STORM DRAINAGE OUTFALLS AT OUTLET WING WALLS. REMOVE ALL CONSTRUCTION MATERIAL FROM BROOK BED. DIVERT WITKOWSKI BROOK BACK INTO NEW CULVERT BY REMOVING PORTIONS OF TEMPORARY COFFERDAMS.
14. REMOVE EXISTING PUMP INTAKE PIPE FOR STREAM BYPASS. MAINTAIN WORKING AREA PUMP INTAKE PIPES FOR WORK AREAS TO CONTINUE TO DISCHARGE TO PUMP SETTLING BASIN. RELOCATE PUMPED SETTLING BASINS AS NECESSARY.
15. COMPLETE REMAINING ROADWAY WORK, AND RE-OPEN MOOSE HILL ROAD TO TRAFFIC.
16. REMOVE SEDIMENT AND EROSION CONTROLS AFTER ALL UPLAND AREAS ARE FULLY STABILIZED WITH PERMANENT SEEDING AND LANDSCAPING.

APPROXIMATE LIMIT OF 100 YEAR FLOODPLAIN

TOP OF WALL=395.30
INV=390.21 (15" RCP)
INV=389.05 (42"x24" RCP)

70+00

ROAD

GORGE

71+00

DEEP

TOP OF WALL=394.38
INV=388.78 (42"x26" RCP)
INV=388.78 (15" RCP)

WL#38 WL#37 WL#36 WL#34 WL#33 WL#50

TYP. CB
TF=391.77
INV=389.10 (S, 15" RCP)
INV=388.90 (W 15" RCP)

TEMPORARY 12" HDPE SLEEVE PIPE UNDER ROAD

WITKOWSKI BROOK

N/F
AQUARIAN WATER COMPANY OF CONNECTICUT

PARCEL G01-2
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

107 MOOSE HILL ROAD
N/F
JUAN ANTONIO & CECILIA L. CACERES,
SHUJI OKI & HILDA E. OKI
VOL.683,PG.423

PUMP INTAKE PROTECTION WELL POINT FOR DEWATERING BROOK AROUND WORK AREA — PuP1

TEMPORARY SANDBAG COFFERDAM #1
TOP 390.0± — TC

LIMIT OF AQUARION LICENSED PREMISES

PUMP INTAKE PROTECTION FOR CONSTRUCTION AREA DEWATERING — PuP1

52 L.F. - 8'x3.5' PRECAST CONCRETE BOX CULVERT WITH 12" GRAVEL STREAM BED MATERIAL

MARK A. & CHARLENE GARAMELLA

MATCH LINE DRAWING NO. DRN-6

42+00 43+00 44+00 45+00 46+00 47+00

+52

MOOSE HILL ROAD

TOWN LINE

15'

110'± FROM BROOK

35'

WITKOWSKI BROOK

TEMPORARY SANDBAG COFFERDAM #2
TOP 389.5± — TC

PARCEL G01-1O
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

APPROXIMATE LIMIT OF 100 YEAR FLOODPLAIN
(ELEV. 391.64)

APPROXIMATE LIMIT OF 100 YEAR FLOODPLAIN

PsB-1 — TEMPORARY PUMP SETTLING BASIN WITH DIRTBAG SILT FENCE, HAYBALES AND CRUSHED STONE

PUMP DISCHARGE HOSE FROM CONSTRUCTION AREA

TEMPORARY PUMPED BYPASS HOSE OUTLET

LIMIT OF AQUARION LICENSED PREMISES

DISCHARGE CLEAR PUMPED BYPASS WATER BACK INTO BROOK

TRUMBULL
SHELTON

PARCEL G01-1O
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

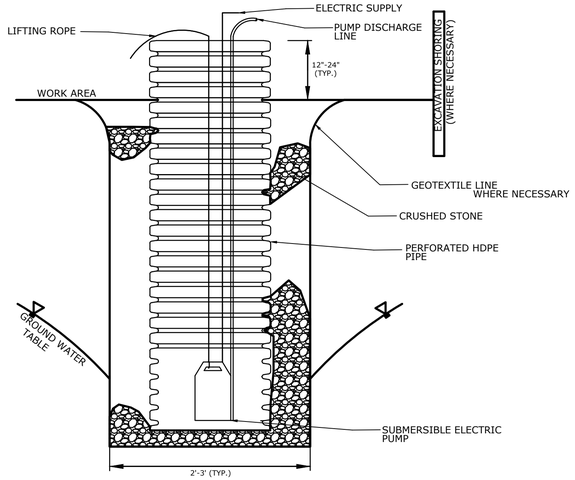
DRAWING TITLE: WATER HANDLING PLAN

PROJECT NO.: L144-0001
DRAWING NO.: WH-1
SHEET NO.: 03.49

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSIa_Contract_Sheet_Files\Plan\MooseHill_WH-1.dwg

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY AQUARION WATER COMPANY TWO WEEKS PRIOR TO THE START OF ANY WORK ON OR ADJACENT TO AQUARION'S PROPERTY AND UPON COMPLETION OF SAID WORK.
   MS. ELIZABETH CAMERINO-SCHULTZ
   DIRECTOR OF REAL ESTATE
   AQUARION WATER COMPANY OF CONNECTICUT
   835 MAIN STREET
   BRIDGEPORT, CT 06604
   TELEPHONE: (203) 336-7632
2. ANY EXPANSION, MODIFICATION, OR RELOCATION OF FACILITIES MAY REQUIRE A REVISED PERMIT.
3. THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICATION RECEIVED BY THE DRINKING WATER SECTION ON DECEMBER 6, 2017.
4. ALL ACTIVITIES SHALL BE CONFINED TO THE CLASS I WATER COMPANY LAND IDENTIFIED, STAKED PRIOR TO THE PROJECT, AND PERTAIN TO THE PROJECT INDICATED IN THE PERMIT APPLICATION.
5. ANY AGREEMENTS ENTERED INTO BY THE AQUARION WATER COMPANY AND ANY OUTSIDE CONTRACTOR OR OTHER PARTIES FOR THIS PROJECT SHALL REFERENCE THIS PERMIT AND ALL CONDITIONS CONTAINED HEREIN, AS WELL AS BEST MANAGEMENT PROVISIONS SUBMITTED AS PART OF THE APPLICATION.
6. THE AQUARION WATER COMPANY OR ITS AUTHORIZED REPRESENTATIVE SHALL PROVIDE ONSITE INSPECTIONS TO ASSURE THAT THE PURITY AND ADEQUACY OF THE DRINKING WATER SOURCES ARE NOT PLACED IN JEOPARDY. INSPECTIONS WILL BE CONDUCTED MULTIPLE TIMES PER WEEK UNTIL THE AREA IS STABILIZED. THESE INSPECTIONS ARE IN ADDITION TO THE ROUTINE INSPECTIONS CONDUCTED THROUGHOUT CONSTRUCTION OF THE PROJECT.
7. ALL ACTIVITIES SHALL BE CONDUCTED DURING DRY WEATHER CONDITIONS, PERTAIN TO THE INSTALLATION OF THE PROJECT IMPROVEMENTS AND BE CONFINED TO THE WATER COMPANY LAND IDENTIFIED IN THE PERMIT APPLICATION.
8. DEWATERING MAY BE REQUIRED FOR THE CONSTRUCTION OF THE NEW STORMWATER DRAINAGE STRUCTURE. PURSUANT TO RCSA SECTION 19-13-B32(i), ANY DISCHARGE FROM DEWATERING ACTIVITIES WITHIN A PUBLIC WATER SUPPLY WATERSHED CANNOT BE DISCHARGED WITHIN 100' FROM THE EDGE OF A WATERCOURSE TRIBUTARY TO A DRINKING WATER SOURCE UNLESS OTHERWISE APPROVED BY THE STATE DEPARTMENT OF HEALTH. THE CONTRACTOR SHALL SUBMIT A PLAN TO THE AQUARION WATER COMPANY FOR APPROVAL SHOWING THE LOCATION WHERE THE WASTEWATER FROM THE DEWATERING ACTIVITIES WILL BE DISCHARGED AND HOW THE WASTEWATER WILL BE TREATED.
9. DURING CONSTRUCTION AND UNTIL A VEGETATIVE COVER IS REESTABLISHED, THE PROJECT AREA MUST BE INSPECTED DAILY AND AFTER RAINFALL TO VERIFY EROSION CONTROL MEASURES ARE PROPERLY MAINTAINED.
10. NO CONSTRUCTION SHALL TAKE PLACE UNTIL EROSION AND SEDIMENTATION CONTROLS ARE IN PLACE. THESE CONTROLS SHALL BE INSTALLED, PROPERLY FUNCTIONING, INSPECTED REGULARLY, AND REMAIN IN PLACE THROUGHOUT THE PROJECT.
11. ANY MALFUNCTION OR BREAKDOWN OF EROSION AND/OR SEDIMENTATION CONTROL DEVICES OR WATER POLLUTION DEVICES SHALL BE REPAIRED IMMEDIATELY. CONSTRUCTION ACTIVITIES SHALL BE DISCONTINUED UNTIL REPAIRS HAVE BEEN COMPLETED.
12. ANY MATERIALS TO BE PLACED ON SITE AS FILL SHALL BE INSPECTED AND APPROVED AS CLEAN BY THE AQUARION WATER COMPANY OR ITS AUTHORIZED REPRESENTATIVE. ALL FILL SHALL BE STABILIZED TO PREVENT EROSION AND CONTAINED TO PREVENT RUNOFF. THE EXTENT OF FILL OR EXCAVATION SHALL BE MINIMIZED. ALL FILL AREAS SHALL BE RESTORED AND REVEGETATED.
13. DISTURBED AREAS MUST BE SEEDED OR SODDED AS SOON AS POSSIBLE TO PROVIDE A VEGETATIVE COVER AGAINST EROSION. SEED MIXTURES AND EROSION CONTROL FABRIC SHALL BE FREE FROM ANY PESTICIDE OR HERBICIDE ADDITIVE OR TREATMENT. FERTILIZER SHALL NOT BE APPLIED EXCEPT FOR RESEEDING AND SHALL HAVE A HIGH PERCENTAGE OF ITS NITROGEN BE WATER INSOLUBLE AND SHALL BE APPLIED SPARINGLY.
14. SPILL CONTAINMENT MATERIALS, ADEQUATE IN TYPE AND NUMBER SHALL BE AVAILABLE ON-SITE.
15. REFER TO PROJECT MANUAL AND STORMWATER POLLUTION CONTROL PLAN FOR ADDITIONAL PERMIT CONDITIONS.
16. REFER TO "RIGHT OF WAY" SURVEY MAP SHOWING LICENSED PREMISES GRANTED BY AQUARION WATER COMPANY OF CONNECTICUT PARCEL GO1-2 AND PARCEL GO1-10 TRUMBULL, CT REVISED AUGUST 14, 2017 BY THE TRUMBULL ENGINEERING DEPARTMENT FOR LIMITS OF TEMPORARY GRADING AND DRAINAGE ACTIVITIES.



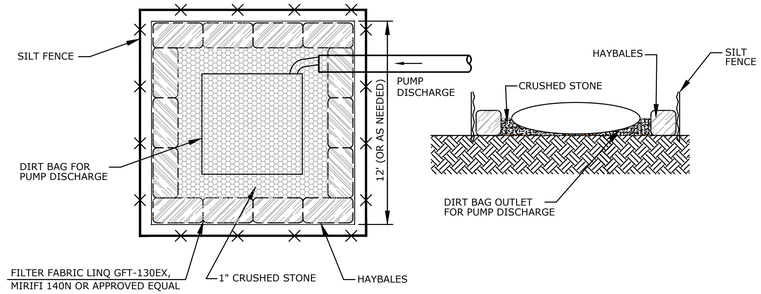
PUMP INTAKE PROTECTION

N.T.S.

PuP-1

NOTES:

1. OVERALL SUMP PIT DIMENSIONS SHALL BE COMPATIBLE WITH ANTICIPATED SEEPAGE RATES AND PUMP SIZE TO BE USED.
2. THE STANPIPE DIAMETER AND NUMBER OF PERFORATIONS SHALL BE COMPATIBLE WITH THE PUMP SIZE BEING USED.
3. PERFORATIONS IN THE STANPIPE SHALL BE EITHER CIRCULAR OR SLOTS. PERFORATION SIZE SHALL NOT EXCEED ¼" IN DIAMETER.
4. CRUSHED STONE OR GRAVEL SHALL BE NO SMALLER THAN CT DOT #67 SIZE NOR LARGER THAN CT DOT #3 SIZE. CRUSHED STONE SHALL EXTEND A MINIMUM OF 12" BELOW THE BOTTOM OF THE STANDPIPE.
5. IF EXCESSIVE MOVEMENT OF FINE SOIL PARTICLES FROM THE SURROUNDING EXISTING SOILS IS ANTICIPATED, A PROPERLY DESIGNED GEOTEXTILE SHALL BE PLACED BETWEEN THE EXISTING SOILS AND THE CRUSHED STONE OR GRAVEL BACKFILL.
6. THE STANDPIPE SHALL EXTEND A MINIMUM OF 12" ABOVE THE SURROUNDING GROUND.



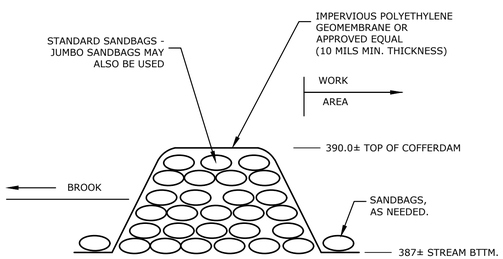
TEMPORARY PUMP SETTLING BASIN

N.T.S.

PsB-1

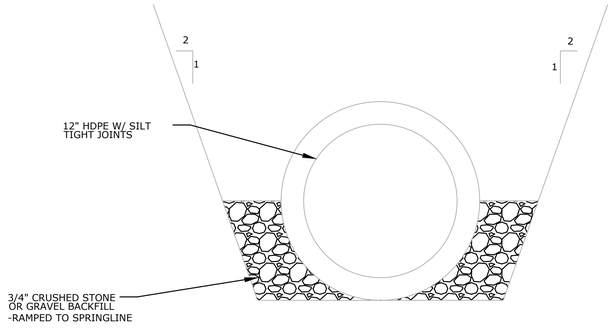
NOTES:

1. 12' x 12' ARE APPROXIMATE DIMENSIONS FOR DEWATERING BASIN. DEPENDING UPON DISCHARGE TO THE BASIN THE DIMENSIONS MAY BE ADJUSTED BY THE OWNERS REPRESENTATIVE.
2. ALTERNATE DESIGNS SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO IMPLEMENTATION.
3. DIRTBAG TO HAVE SEWN IN NECK. SEAMS TO BE HIGH STRENGTH DOUBLE STITCHED "J SEAMS". DISCHARGE TO BE CLEAN.



TEMPORARY COFFERDAM

TC



TEMPORARY 12" HDPE BYPASS PIPE

N.T.S.

TBP

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: T. Gallagher
SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN. CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER HANDLING DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: WH-2
SHEET NO.: 03.50

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POB STA. 10+00
N 665993.81
E 875588.85

PC STA. 10+85.56
N 666011.93
E 875618.86

SEDIMENTATION CONTROL SYSTEM

APPROXIMATE SLOPE LIMITS

PT STA. 12+54.12
N 666179.42
E 875643.48

℄ STA. 12+91.31 MOOSE HILL ROAD =
℄ STA. 50+00.01 McGUIRE ROAD
N 666216.55
E 875641.14

SS INSTALL SILT SACKS IN CATCH BASINS (TYP.)

STONE WALL - TO MATCH EXISTING
STONE WALL AT 13 MOOSE HILL ROAD

DANIELS FARM ROAD
N20°32'06.4"E

MOOSE HILL ROAD
N3°36'32.0"W

CURVE NO. 1
R=40'

N86°23'09.3"E

PC STA. 50+44.49
N 666219.35
E 875685.53

PT STA. 51+14.93
N 666247.19
E 875748.66

SAVE ALL TREES

APPROXIMATE SLOPE LIMITS

SEDIMENTATION CONTROL SYSTEM

ECB INSTALL TEMPORARY EROSION CONTROL BLANKET

REMOVE TREE (TYP.)

MATCH LINE DRAWING NO. L-2

HAYBALES (TYP.)

TEMPORARY LEAKOFF

TST #2

INSTALL TEMPORARY 6" PVCP OUTLET PIPE UNDER DRIVE APRON

N46°01'33.1"E

SEDIMENTATION CONTROL SYSTEM

TEMPORARY LEAKOFF

TST #1

TEMPORARY RELOCATION OF MAILBOX (TYP.)

PC STA. 51+80.78
N 666294.91
E 875796.05

PT STA. 52+16.85
N 666317.48
E 875824.46

MCGUIRE ROAD
N48°05'53.0"E

PO-7

WETLAND A

1260 DANIELS FARM ROAD
N/F
PAUL COSTEINES

282 DANIELS FARM ROAD
N/F
JANET OLSZEWSKI

14 McGUIRE ROAD
N/F
DAVID R. & DANIELLE R. DELIBRO

7 McGUIRE ROAD
N/F
MICHELLE LEWY-ORNITZ TRUSTEE & ALAN M. ORNITZ TRUSTEE
VOL.1624,PG.693

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON & WESLEY DAVID DAYTON
VOL.1170,PG.128

N/F
JOHN C. HOUSTON
VOL.1345,PG.272

PLANT SCHEDULE

TREES	QTY	COMMON NAME	BOTANICAL NAME	CAL	SIZE
SD	13	STELLAR DOGWOOD	CORNUS RUTGAN	2"-2½"	-
KC	4	KWANZAN CHERRY		1"	-
ERC	5	EASTERN RED CEDAR	JUNIPERUS VIRGINIANA	-	7'-8'
CR	5	CRYPTOMERIA		-	7'-8'
RM	6	RED MAPLE	ACER RUBRUM	2"-2½"	
WM	2	WHITE MAPLE	ACER SACCHARINUM	2"-2½"	
WP	16	WHITE PINE	PINUS STROBUS	2"-2½"	

SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	CAL	SIZE
RC	25	RUSSIAN CYPRESS	MICROBIOTA DECUSSATA	#3 CAN	-
FSA	8	FLOWERING SILVER ANDROMEDA		#6 CAN	-
DK	9	ROSE & PINK DOUBLE KNOCKOUT		#3 CAN	-
SJ	17	SHORE JUNIPER	JUNIPERUS CONFERTA	#3 CAN	-
BB	24	HIGHBUSH BLUEBERRY	VACCINIUM CORYMBOSUM	-	18"-24"
WB	24	COMMON WINTERBERRY	ILEX VERTICILLATA	-	18"-24"
SP	63	SWEET PEPPERBUSH	CLETHERA ALNIFOLIA	-	2'-3'
PA	4	BLAAUW'S PINK AZALEA		-	3 GAL.
CR	8	CATAWBA RHODODENDRON	ROSEUM ELEGANS	-	10 GAL.

LEGEND

⊠ PROPOSED TREES TO BE REMOVED

NOTES:

1. CLEARING AND GRUBBING SHALL BE PERFORMED WITHIN THE CUT AND FILL LIMITS.
2. ONLY NORTHERN GROWTH PLANT MATERIAL IS PERMITTED.
3. ONE YEAR GUARANTEE REQUIRED FOR PLANTS.
4. THE LANDSCAPER SHALL PROVIDE 12" OF TOPSOIL TO PLANTING BEDS.
5. THE LANDSCAPER SHALL PROVIDE 4" DEPTH OF SHREDDED MULCH OVER PLANTING BEDS (NO DYED MULCH)
6. ALL PLANT MATERIAL MUST BE INSTALLED AT A GRADE HIGHER THAN EXISTING GRADE.
7. ALL DOG FENCE SYSTEMS SHALL BE RELOCATED PRIOR TO EXCAVATION ON PROPERTY, TO BE PAID AS "REMOVE AND RESET FENCE".
8. ALL SPRINKLER SYSTEMS SHALL BE RELOCATED PRIOR TO EXCAVATION ON PROPERTY, RELOCATION OF SPRINKLER SYSTEMS WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE PRICE OF OTHER ITEMS.
9. FINAL LOCATION OF ALL PLANTINGS TO BE DETERMINED BY HOMEOWNER.

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PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: LANDSCAPING PLAN MOOSE HILL ROAD STA. 10+75 TO STA. 16+00

PROJECT NO.: L144-0001
DRAWING NO.: L-1
SHEET NO.: 03.51

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Plan\MooseHill_L-01.dwg

MATCH LINE DRAWING NO. L-1

MATCH LINE DRAWING NO. L-3

MOOSE HILL ROAD

17 MOOSE HILL ROAD
N/F
SCOTT C REIS &
JOSEPHINE MARCELLINO-REIS
VOL. 1468, PG. 28

19 MOOSE HILL ROAD
N/F
DIANE R. OLSEN
VOL. 1359, PG. 295

25 MOOSE HILL ROAD
N/F
JOSEPH C & MARY ANN RUOSPO

31 MOOSE HILL ROAD
N/F
JASON BURNSIDE
VOL. 1620, PG. 490

26 MOOSE HILL ROAD
N/F
KIMBERLY ATHERTON
VOL. 1558, PG. 165

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON
& WESLEY DAVID DAYTON
VOL. 1170, PG. 128

MOOSE HILL ROAD
CURVE NO. 3
BASE LINE CURVE DATA
Δ = 02°-43'-52.9"
R = 3000.00'
L = 143.01'
T = 71.52'

CURVE NO. 3

REMOVE TREE (TYP.)

STONE WALL - TO MATCH EXISTING STONE WALL AT 13 MOOSE HILL ROAD

REMOVE PLANTINGS

BASELINE ANGLE POINT
STA. 16+24.08
N 666548.65
E 875620.20

PC STA. 17+01.70
N 666626.06
E 875614.50

PT STA. 18+44.71
N 666768.39
E 875600.60

BASELINE ANGLE POINT
STA. 20+55.70
N 666977.82
E 875575.10

N4°12'41.3"W

N6°56'34.2"W

16'

21'

RADIAL

WETLAND B

WETLAND A

WETLAND PLANTINGS

PO-1

EXISTING DRAINAGE EASEMENT

NO TREE CLEARING IN WETLANDS
MAY 15TH - AUGUST 15TH
SEE NTC - PERMITS

REMOVE BUSHES
LIMIT OF REMOVAL TO BE DETERMINED BY OWNER

SEDIMENTATION CONTROL SYSTEM

APPROXIMATE SLOPE LIMITS

REMOVE AND RESET DOG FENCE SYSTEM

TST #3

PROPOSED TAKING LINE

INSTALL TEMPORARY EROSION CONTROL BLANKETS

ECB

SD 1

WP 1

RM 1

WP 5

SS INSTALL SILT SACKS IN CATCH BASINS (TYP.)

TAKING LINE

APPROXIMATE SLOPE LIMITS (TYP.)

SILT FENCE

RESET LANDSCAPE EDGING

	LOCATION	WETLAND IMPACT	
		TEMPORARY IMPACT	PERMANENT IMPACT
WETLAND B	STA 19+50 LEFT		1440 SQFT.

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSts_Contract_Sheet_Files\Plan\MooseHill_L-02.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/06/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

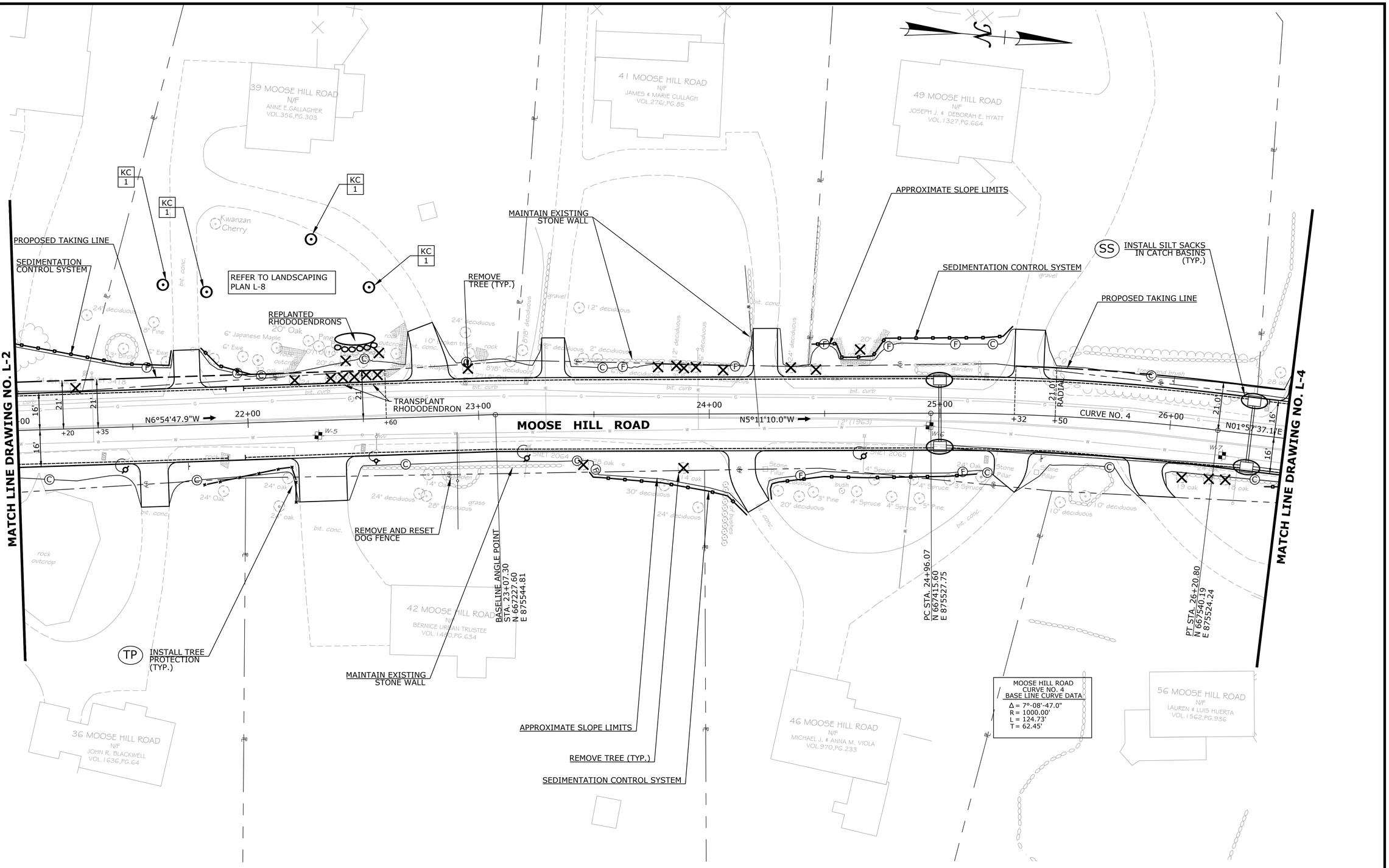
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PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: LANDSCAPING PLAN
MOOSE HILL ROAD
STA. 16+00 TO STA. 21+00

PROJECT NO.: L144-0001
DRAWING NO.: L-2
SHEET NO.: 03.52



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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: LANDSCAPING PLAN MOOSE HILL ROAD STA. 21+00 TO STA. 26+50

PROJECT NO.: L144-0001

DRAWING NO.: L-3

SHEET NO.: 03.53

MATCH LINE DRAWING NO. L-3

MATCH LINE DRAWING NO. L-5

MOOSE HILL ROAD

WHITEFIELD DRIVE

N01°57'37.1"E

N81°33'11.7"E

27+00 | 28+00 | 29+00 | 30+00 | 31+00 | 32

61+00 | +69.8 | +86.2 | 62+00 | +88.7 | +80.2

WETLAND C

55 MOOSE HILL ROAD
N/F
ZBIGNIEW NOGA & ZDZISLAWA NOGA
VOL.438,PG.493

59 MOOSE HILL ROAD
N/F
ANNA PAVLOV
VOL.1089,PG.644

63 MOOSE HILL ROAD
N/F
EMINA COOK
VOL.1431,PG.747

67 MOOSE HILL ROAD
N/F
RICHARD J. PACELLI
&JENNIFER K. PACELLI
VOL.930,PG.25

62 MOOSE HILL ROAD
N/F
MATTHEW ALMY & JULIE ENTWISLE
VOL.1412,PG.642

70 MOOSE HILL ROAD
N/F
MICHAEL T. & DANIELLE T. PELLICONE
VOL.1196,PG.764

76 MOOSE HILL ROAD
N/F
GEORGE JR. & MATILDA JACOBS
VOL.192,PG.195

REMOVE EXISTING SHRUBS
PLANT NEW SHRUBS
AS DIRECTED BY OWNER

REMOVE TREE (TYP.)

SS INSTALL SILT SACKS IN CATCH BASINS (TYP.)

PROPOSED TAKING LINE

APPROXIMATE SLOPE LIMITS

SEDIMENTATION CONTROL SYSTEM

LIMIT OF D.R.O.W.

SF SILT FENCE

WM 1

R=30'

SAVE TREE

SAVE TREE CLUSTER

TP TREE PROTECTION

TEMPORARY 12" PVCP INLET PIPE

TST #4

TEMPORARY 12" PVCP OUTLET PIPE

APPROXIMATE SLOPE LIMITS

MAINTAIN EXISTING STONE WALL

DISCHARGE INTO EXISTING PIPE

INSTALL SILT FENCE AT ENDWALL

EXISTING DRAINAGE EASEMENT

SAVE TREE

SEDIMENTATION CONTROL SYSTEM

REMOVE TREE (TYP.)

℄ STA. 31+43.04 MOOSE HILL ROAD =
℄ STA. 62+24.81 WHITEFIELD DRIVE
N 668062.12
E 875542.10

MATCH LINE "A"

MATCH LINE "A"

PO-2

	LOCATION	WETLAND IMPACT	
2"/8" tree		TEMPORARY IMPACT	PERMANENT IMPACT
WETLAND C	STA 30+20 LEFT		200 SQ. FT.

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

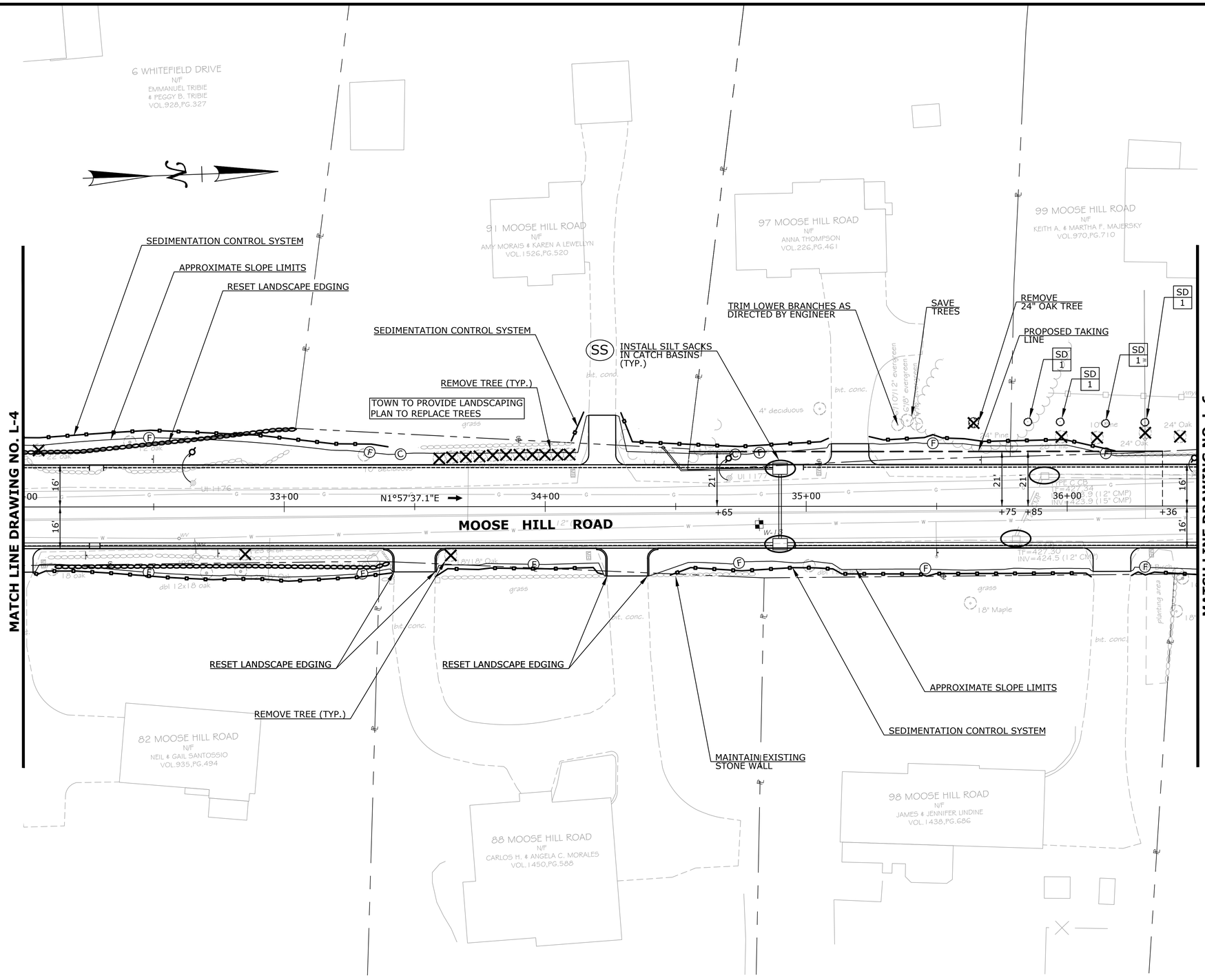
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PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: LANDSCAPING PLAN
MOOSE HILL ROAD
STA. 26+50 TO STA. 32+00

PROJECT NO.: L144-0001
DRAWING NO.: L-4
SHEET NO.: 03.54



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

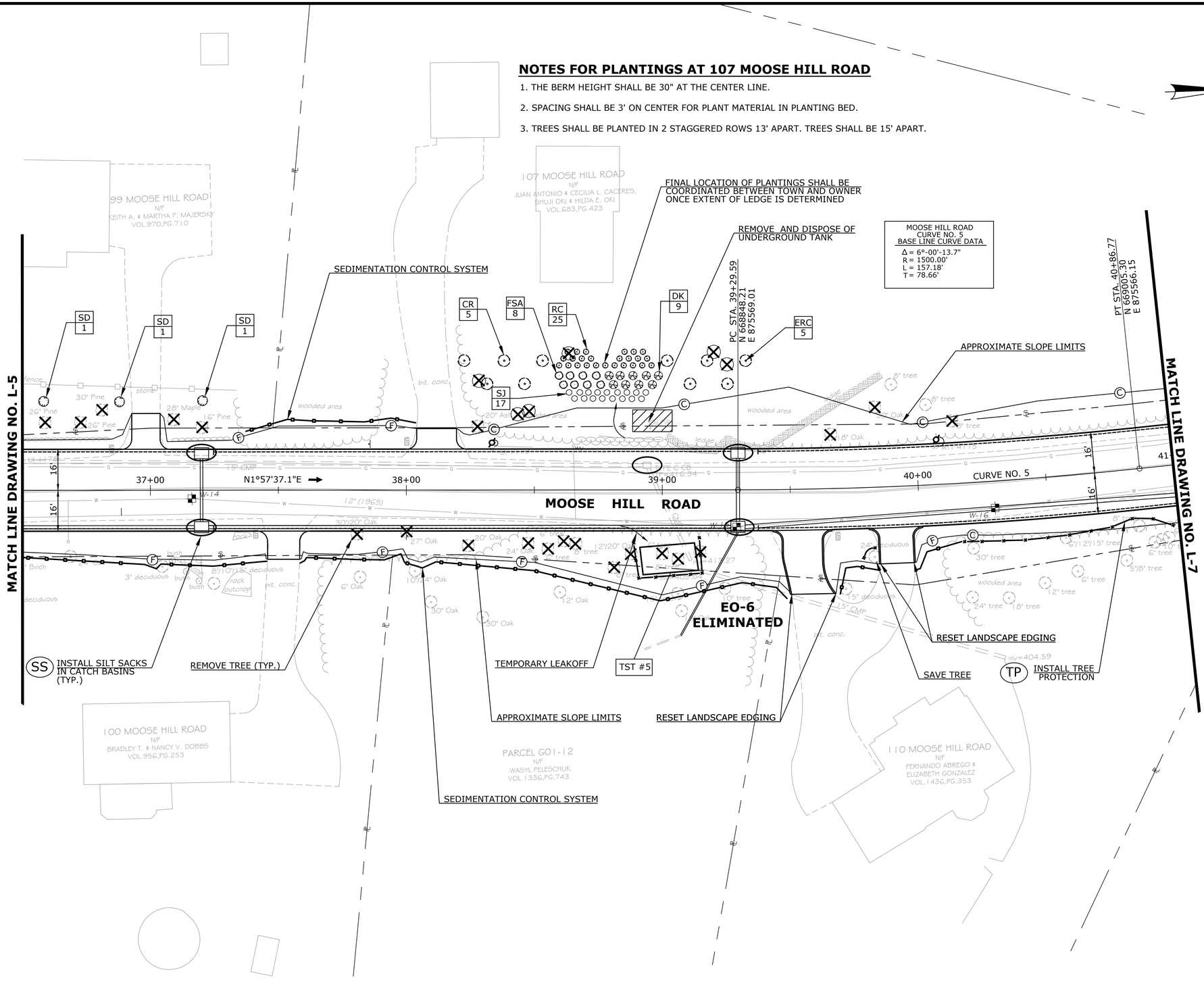
DRAWING TITLE: LANDSCAPING PLAN
MOOSE HILL ROAD
STA. 32+00 TO STA. 36+50

PROJECT NO.: L144-0001
DRAWING NO.: L-5
SHEET NO.: 03.55

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NOTES FOR PLANTINGS AT 107 MOOSE HILL ROAD

1. THE BERM HEIGHT SHALL BE 30" AT THE CENTER LINE.
2. SPACING SHALL BE 3' ON CENTER FOR PLANT MATERIAL IN PLANTING BED.
3. TREES SHALL BE PLANTED IN 2 STAGGERED ROWS 13' APART. TREES SHALL BE 15' APART.



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: LANDSCAPING PLAN MOOSE HILL ROAD STA. 36+50 TO STA. 41+00

PROJECT NO.: L144-0001
DRAWING NO.: L-6
SHEET NO.: 03.56

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	LOCATION	WETLAND IMPACT	
		TEMPORARY IMPACT	PERMANENT IMPACT
WETLAND D	STA. 42+92 TO STA. 44+90 LEFT		1050 SQ. FT.
WETLAND E	STA. 42+40 TO STA. 44+40 RIGHT		1760 SQ. FT.

SS INSTALL SILT SACKS IN CATCH BASINS (TYP.)

INSTALL SILT FENCE AT OUTFALL OUTSIDE MAIN CHANNEL

POB STA. 70+00.00
N 669168.15
E 875379.29

NO TREE CLEARING IN WETLANDS
MAY 15TH - AUGUST 15TH-
SEE NTC - PERMITS

WETLAND D

END OF STATE PROJECT NO. 144-TMP1
STA. 46+00
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

CONCRETE WASH OUT AREA

APPROXIMATE SLOPE LIMITS

SILT FENCE SEE WH-1 PLAN (SF)

LIMIT OF D.R.O.W.

SEDIMENTATION CONTROL SYSTEM

INSTALL TEMPORARY EROSION CONTROL BLANKETS ON SLOPES (ECB)

RESET LANDSCAPE EDGING

TRUMBULL / SHELTON

107 MOOSE HILL ROAD
N/F
JUAN ANTONIO & CECILIA L. CACERES
SHUJI OKI & HILDA E. OKI
VOL.683,PG.423

15 MOOSE HILL ROAD
N/F
MARK A. & CHARLENE GARAMELLA

PARCEL G01-2
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

WITKOWSKI BROOK

DEEP GORGE ROAD

MOOSE HILL ROAD

℄ STA. 42+40.24 MOOSE HILL ROAD =
℄ STA. 71+78.07 DEEP GORGE ROAD
N 669158.49
E 875557.10

MATCH LINE DRAWING NO. L-6

CURVE NO. 6
N14°02'36.6"W

CURVE NO. 7
N1°24'04.1"W

PO-1 PO-2 PO-3 PO-4

TST #6 TST #7

TEMPORARY LEAKOFF

REMOVE TREE (TYP.)

TOWN LINE

PARCEL G01-10
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

PC STA. 41+37.19
N 669055.59
E 875562.60

PT STA. 42+75.55
N 669193.78
E 875556.03

PC STA. 45+37.97
N 669456.13
E 875549.61

PT STA. 46+81.21
N 669599.00
E 875557.49

MOOSE HILL ROAD
CURVE NO. 6
BASE LINE CURVE DATA
Δ = 2°-38'-32.5"
R = 3000.00'
L = 138.35'
T = 69.19'

MOOSE HILL ROAD
CURVE NO. 7
BASE LINE CURVE DATA
Δ = 9°-07'-08.1"
R = 900.00'
L = 143.24'
T = 71.77'

WETLAND E

NO TREE CLEARING IN WETLANDS
MAY 15TH - AUGUST 15TH-
SEE NTC - PERMITS

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.
1	5/03/17	Revised Street Line per Town of Trumbull	

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DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

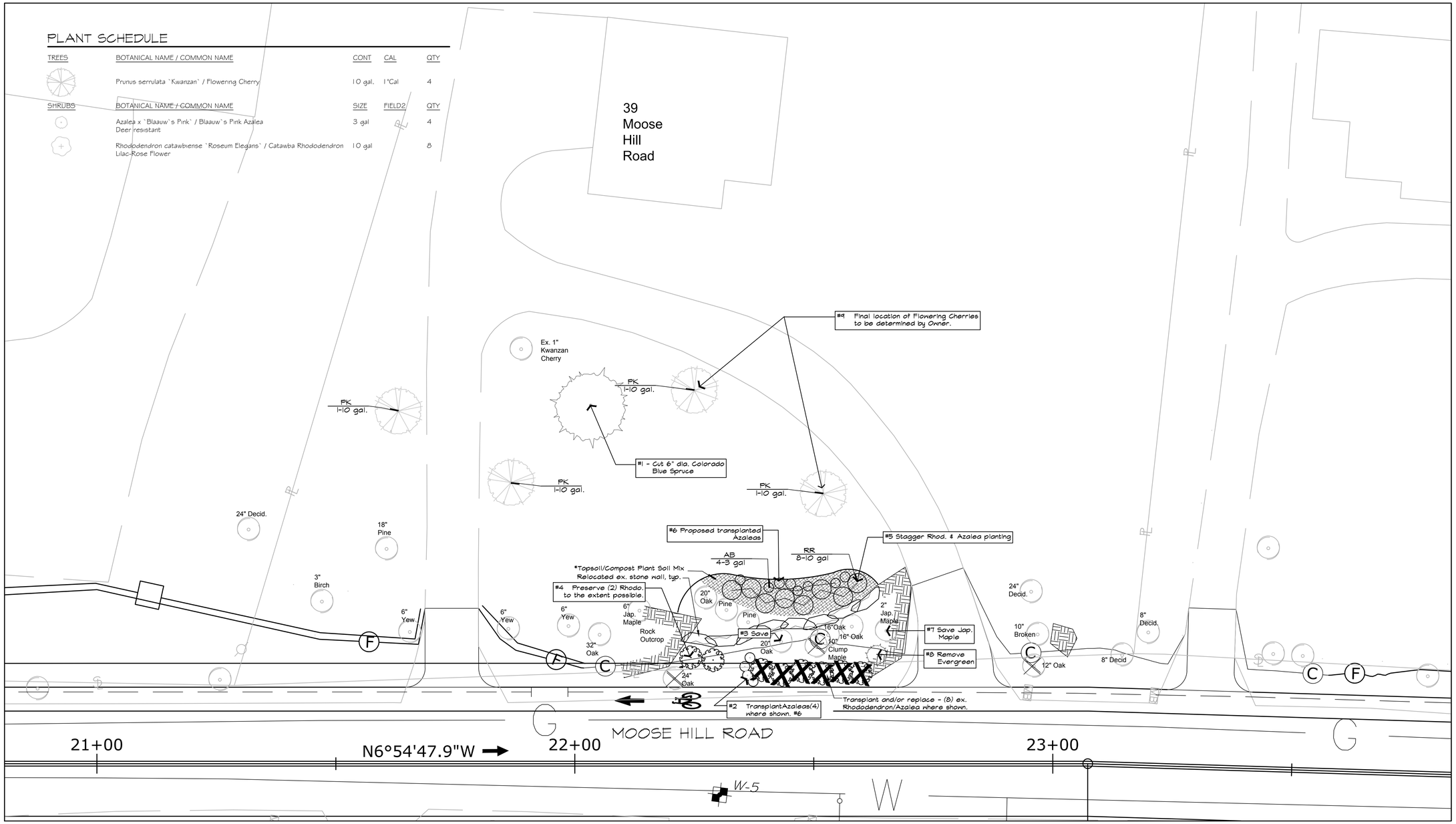
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PROJECT NO.: L144-0001
DRAWING NO.: L-7
SHEET NO.: 03.57

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PLANT SCHEDULE

TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	QTY
	Prunus serrulata `Kwanzan` / Flowering Cherry	10 gal.	1"Cal	4
SHRUBS	**BOTANICAL NAME / COMMON NAME**	**SIZE**	**FIELD2**	**QTY**
	Azalea x `Blaauw`s Pink` / Blaauw`s Pink Azalea Deer resistant	3 gal		4
	Rhododendron catawbiense `Roseum Elegans` / Catawba Rhododendron Lilac-Rose Flower	10 gal		8



PLANTING NOTES

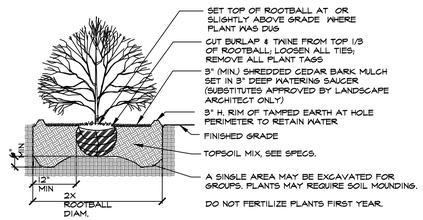
1. The Engineers opinion will be final as to matters regarding the condition of soil, trees, and shrubs.
2. Report any descrepancies between quahties, and varities indicated on plan, plant scedule or field conditions to the Engineer prior to planting.
3. Stake or paint the location of the proposed plants for approval by the Engineerprior to planting.
4. Remove all tags, plastic twine, wire baskets, etc. that do not readily compose.
5. Quality and size of plants, root balls, containers, and branching shall conform to the American Standards for Nursery Stock" ANSI 260 (most recent edition) prepared by the Association of Nurseryman, Inc.

The Owner will be responsible for plant protection and care including watering, of transplanted plants.

6. No plant guarantee for 'Acts of God', deer or animal damage.
7. Plants to be guaranteed for one year from planting date with exceptions as noted.
8. All plant pits shall be free draining or mounded where necessary.
9. No substitutes will be accepted without written approval from the Engineer.
10. Optional - Mulch tree and plant beds with 2" depth with aged shredded bark or root mulch.
11. Plants that die, do not transplant, or not true to species, shall be promptly replaced once, prior to the end of the guarantee period.

TOPSOIL /PLANTING SPECIFICATION

1. Topsoil/compost plant mix to be 60% topsoil/ 40% compost at 12" minimum depth in the area shown. shall be natural fertile, agricultural soil capable of sustaining vigorous plant growth. It should be uniform composition throughout, with mixture of subsoil. It should be free of stones > than ½", live plants, roots, sticks and extraneous matter. Topsoil/compost should not be used while frozen or in muddy condition.
2. All materials shall conform to CTDOT Section M.13.
3. M.13.01 Topsoil & Planting - sandy loam w/ PH @ 4.5-5.5 add amendments as needed to adjust PH for broadleaf evergreens.
4. M.13.06 Compost
5. M.13.07 Plant materials shall be nursery grown.



SHRUB PLANTING

NOT TO SCALE

0 10 20 30 feet

1" = 10'

Tate & Associates, LLC
Landscape Architecture
Site Planning

857 Post Road MB 225
Fairfield, Connecticut 06824
(203) 255-9011
(203) 301-8194 fax

39 MOOSE HILL RD

Trumbull, Connecticut

LANDSCAPE REMEDIATION

Revisions / Issued

5.14.2016 Issued
10.24.16 Revised

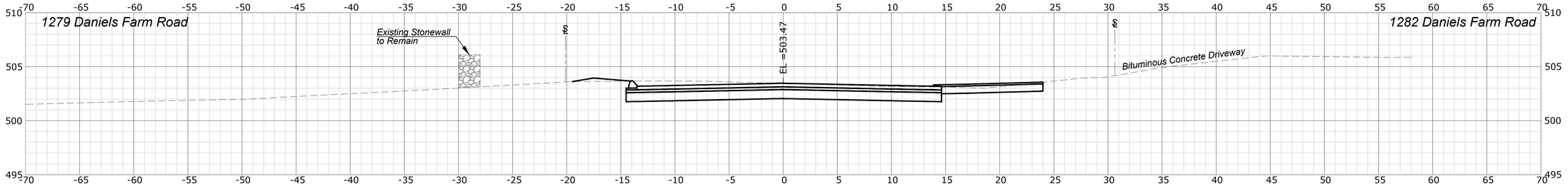
Date 5.14.2016

Scale As Noted

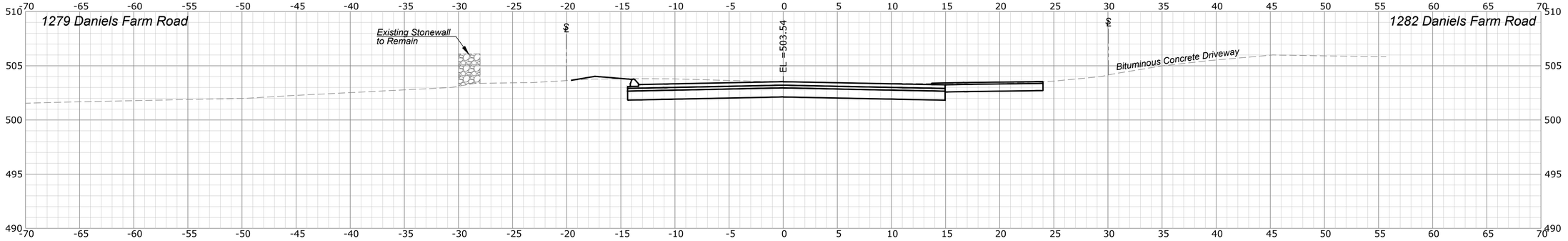
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Sheet No. L-8

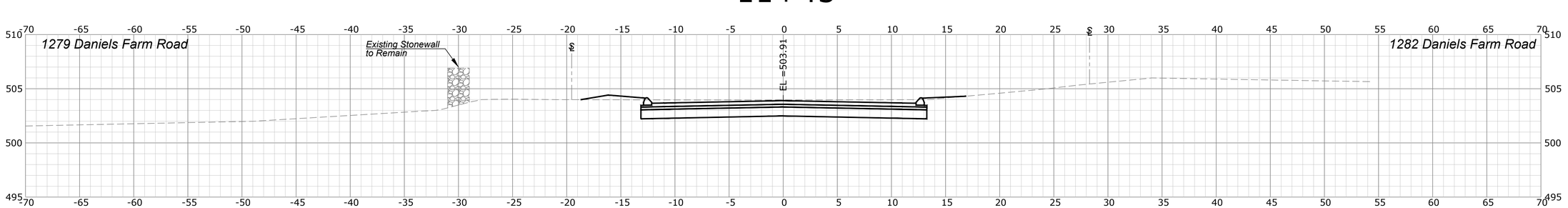
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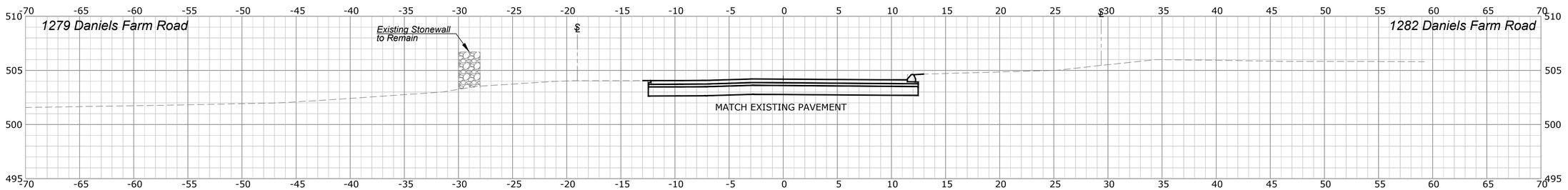
11+50



11+45



11+00



10+75

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

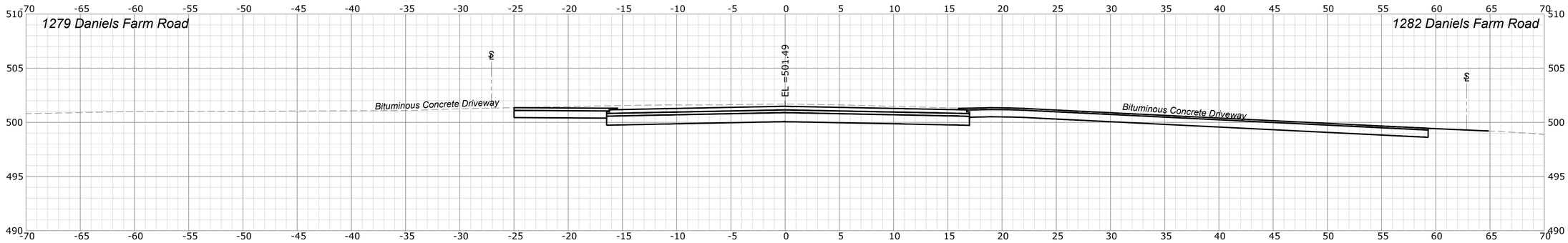
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PROJECT NO.: L144-0001

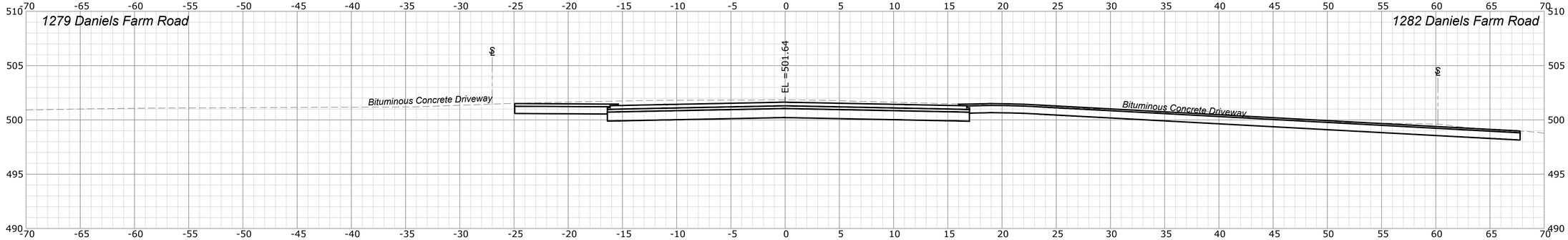
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SHEET NO.: 03.59

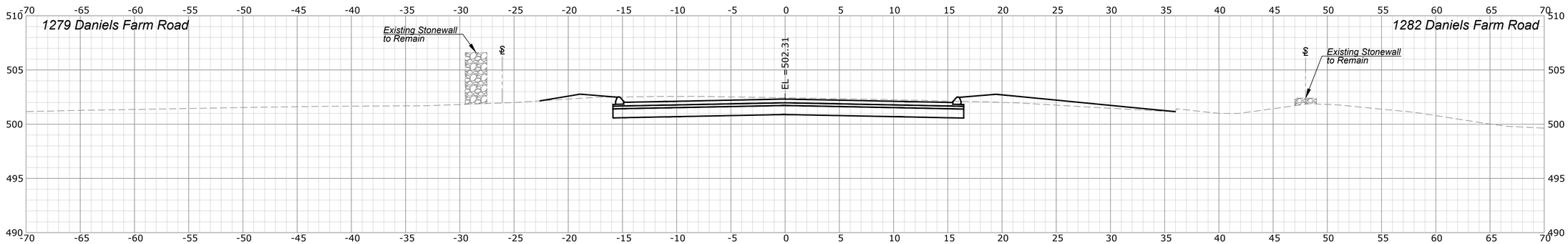
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12+24



12+20



12+00

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

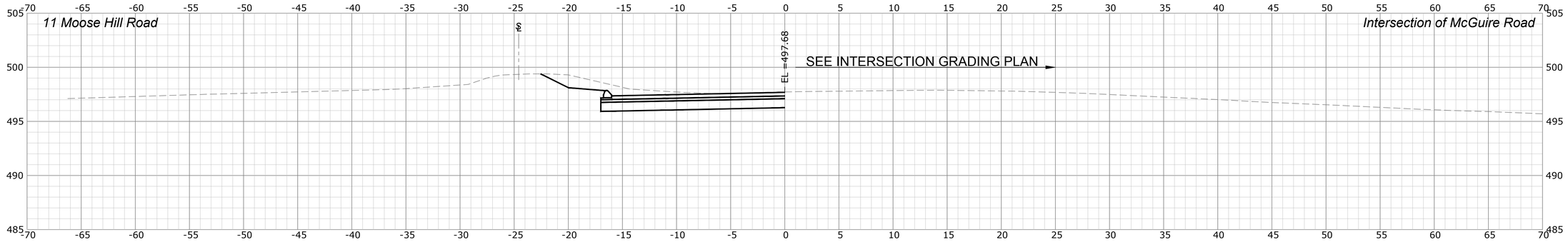
TOWN: TRUMBULL

DRAWING TITLE: ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 12+00 TO STA. 12+24

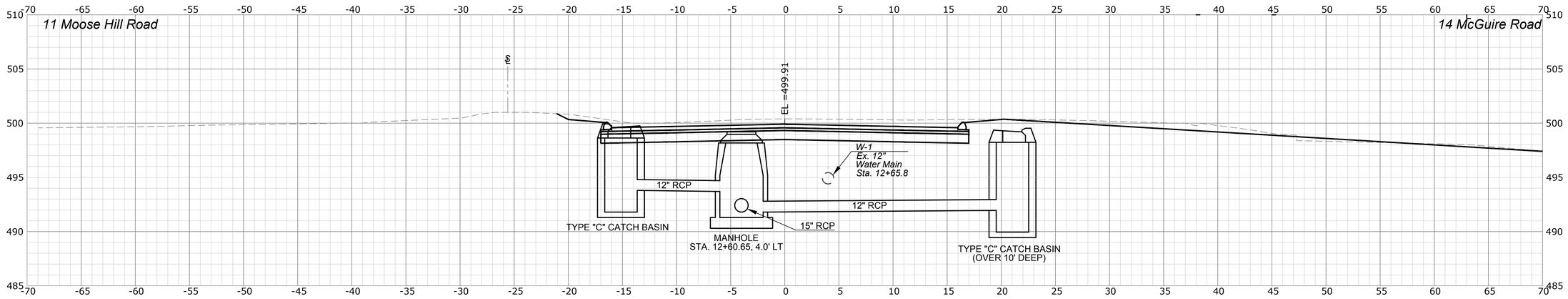
PROJECT NO.: L144-0001

DRAWING NO.: XSC-02

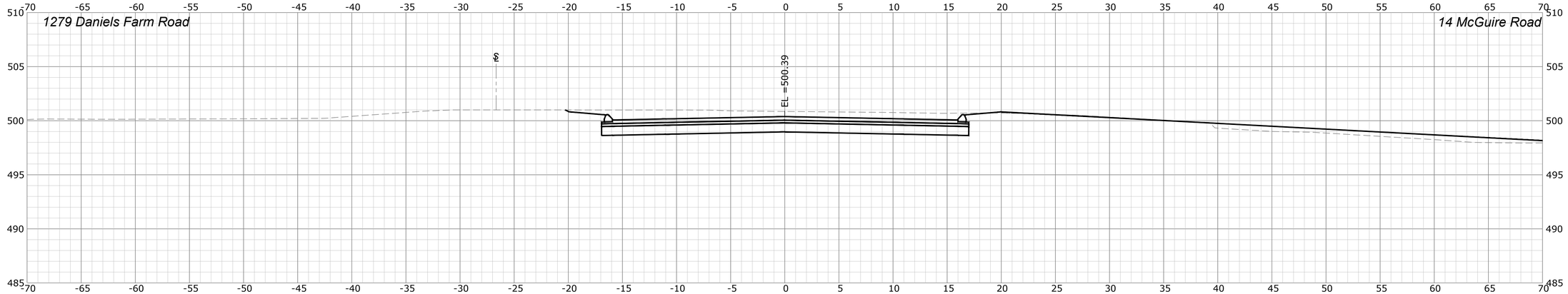
SHEET NO.: 03.60



13+00



12+60



12+50

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SCALE IN FEET 0 5 10

SCALE 1"=5'

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FILENAME:

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RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

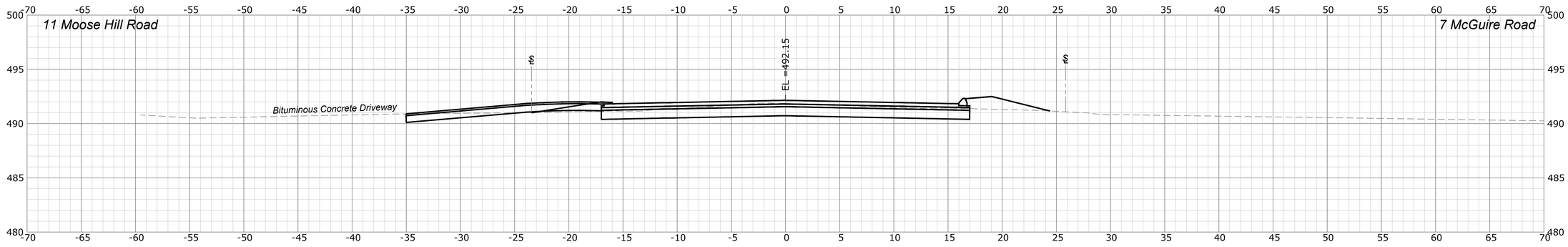
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 12+50 TO STA. 13+00

PROJECT NO.: L144-0001

DRAWING NO.: XSC-03

SHEET NO.: 03.61

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highway\MSta_Contract_Sheet_Files\Sections\MooseHill_XSC-03.dwg



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

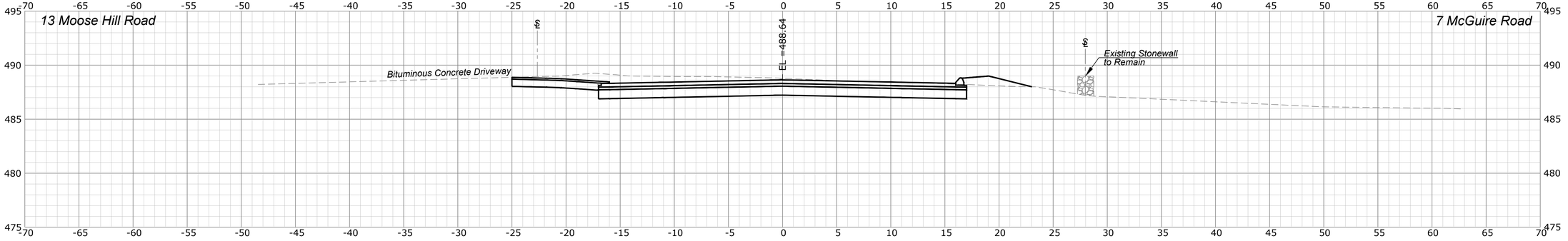
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PROJECT NO.: L144-0001

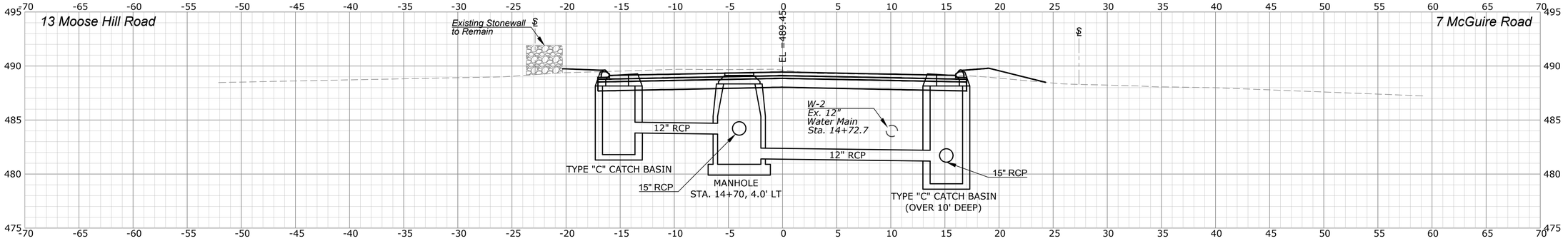
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SHEET NO.: 03.62

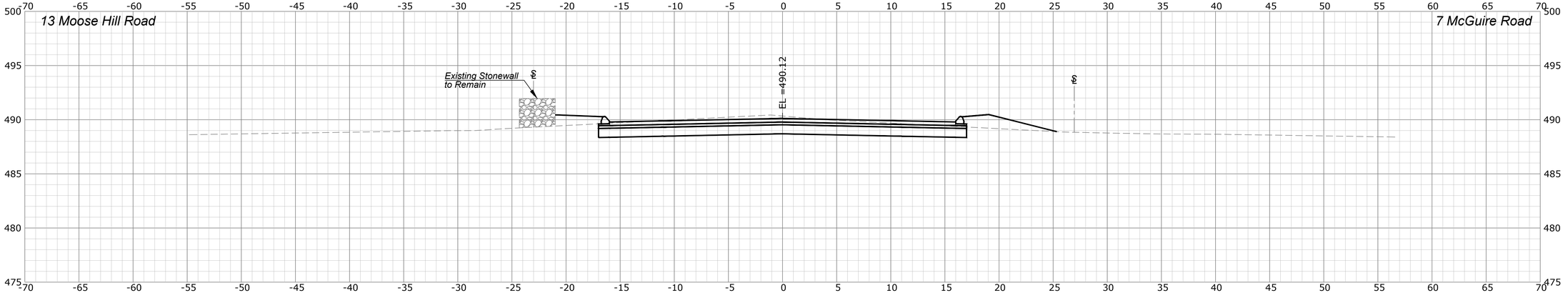
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14+97



14+70



14+50

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 5 10
SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

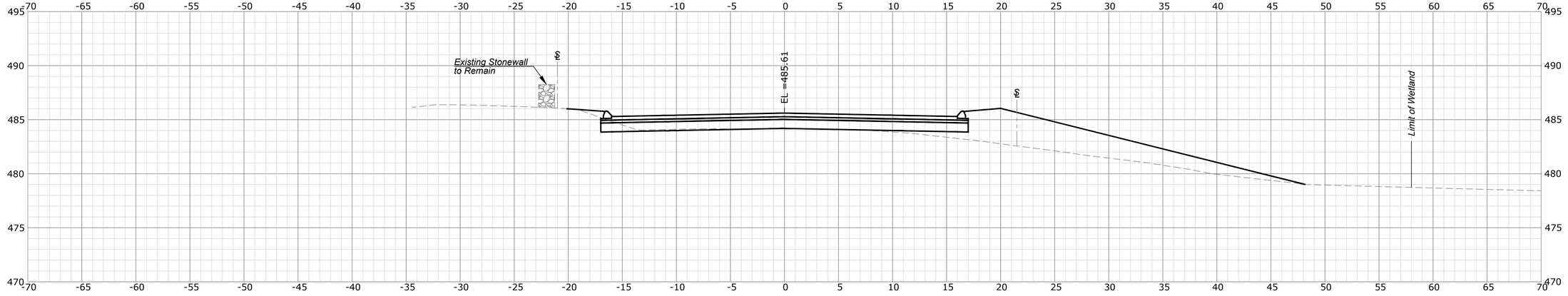
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 14+50 TO STA. 14+97

PROJECT NO.: L144-0001

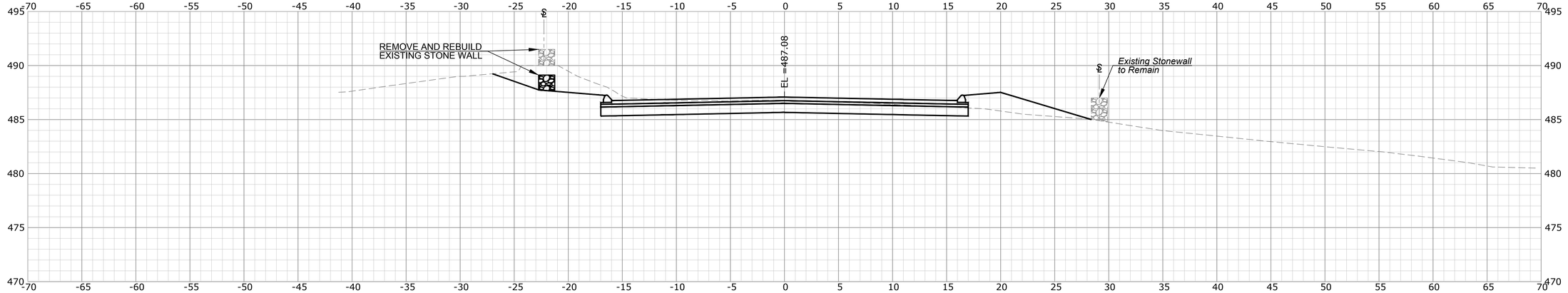
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SHEET NO.: 03.63

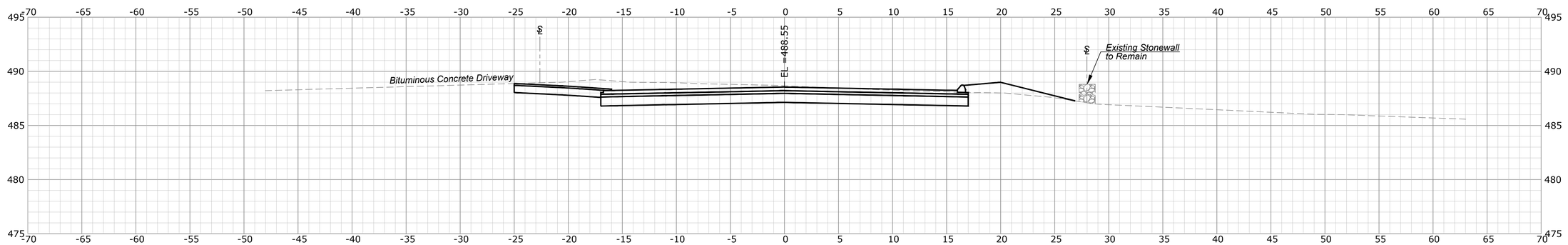
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16+00



15+50



15+00

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Sections\MooseHill_XSC-06.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

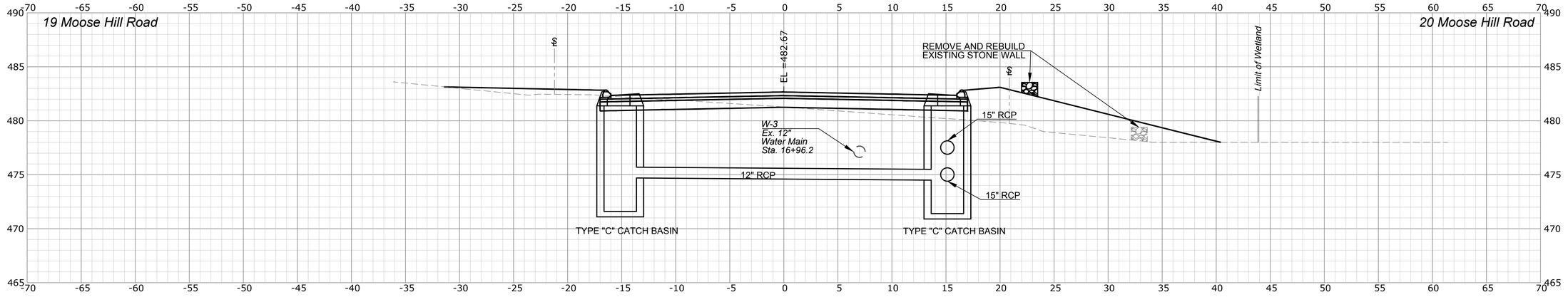
TOWN: TRUMBULL

DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 15+00 TO STA. 16+00

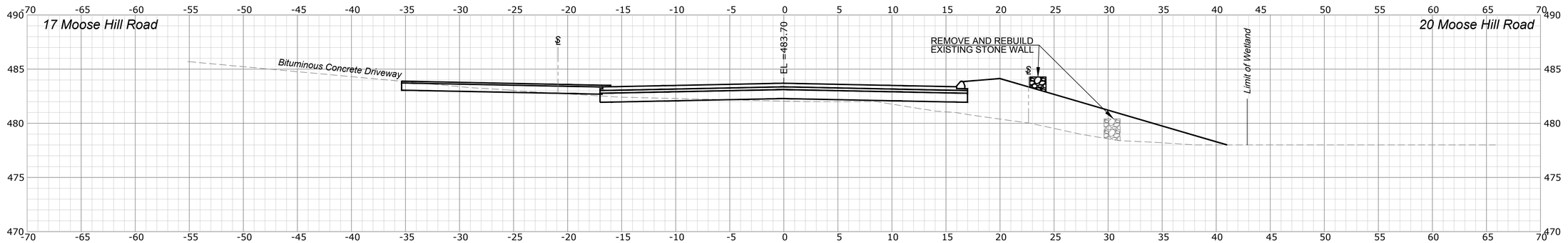
PROJECT NO.: L144-0001

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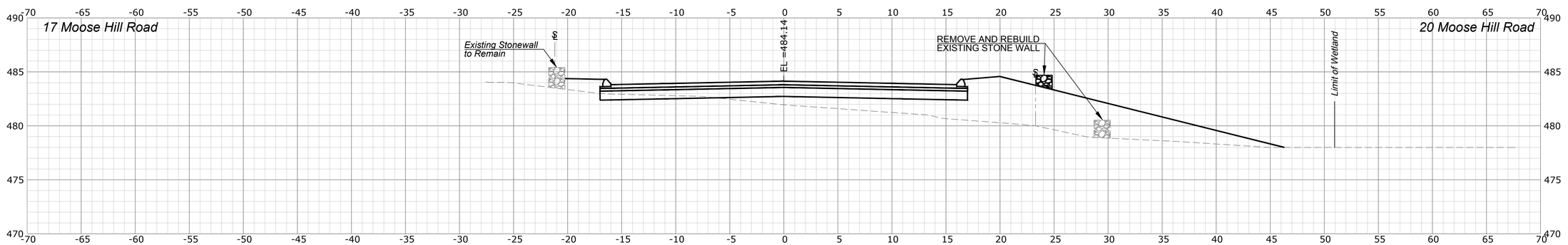
SHEET NO.: 03.64



17+00



16+65



16+50

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

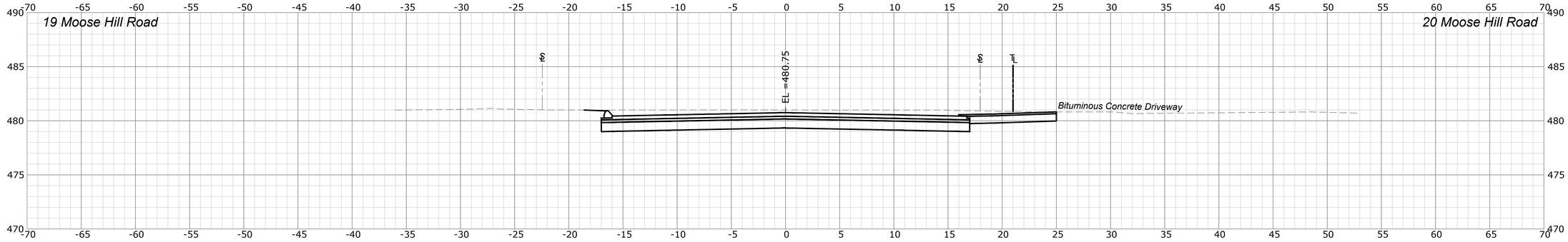
DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 16+50 TO STA. 17+00

PROJECT NO.: L144-0001

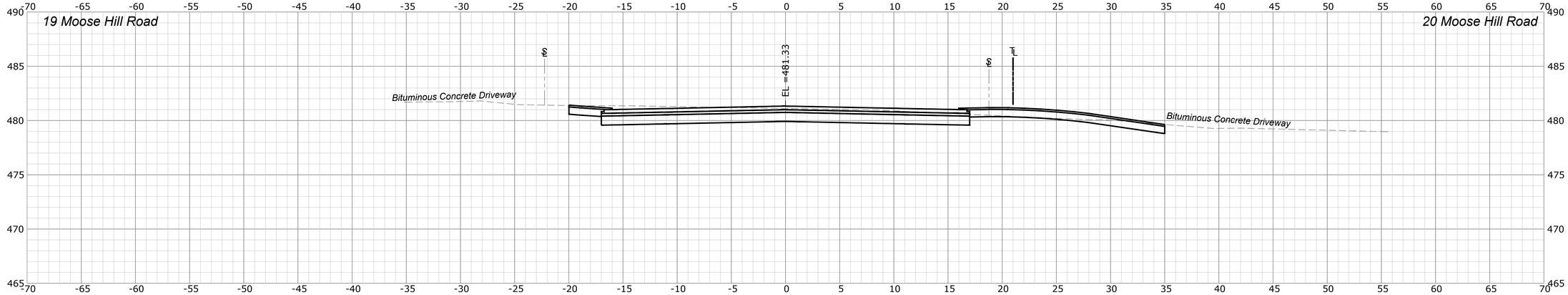
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SHEET NO.: 03.65

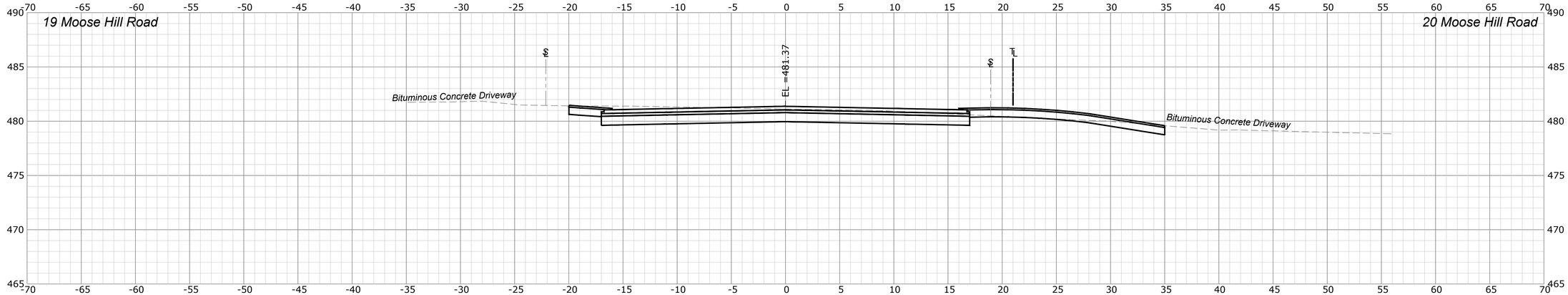
Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSIa_Contract_Sheet_Files\Sections\MooseHill_XSC-07.dwg



17+78



17+50



17+48

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

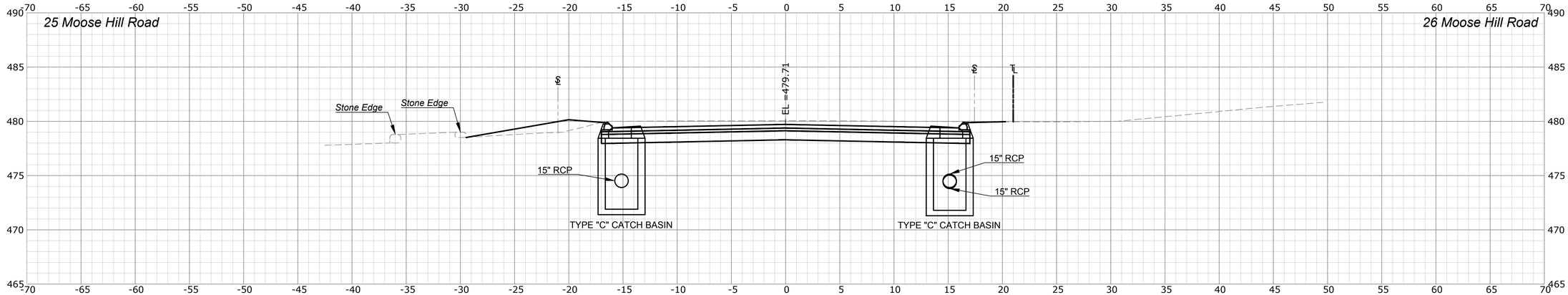
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 17+48 TO STA. 17+78

PROJECT NO.: L144-0001

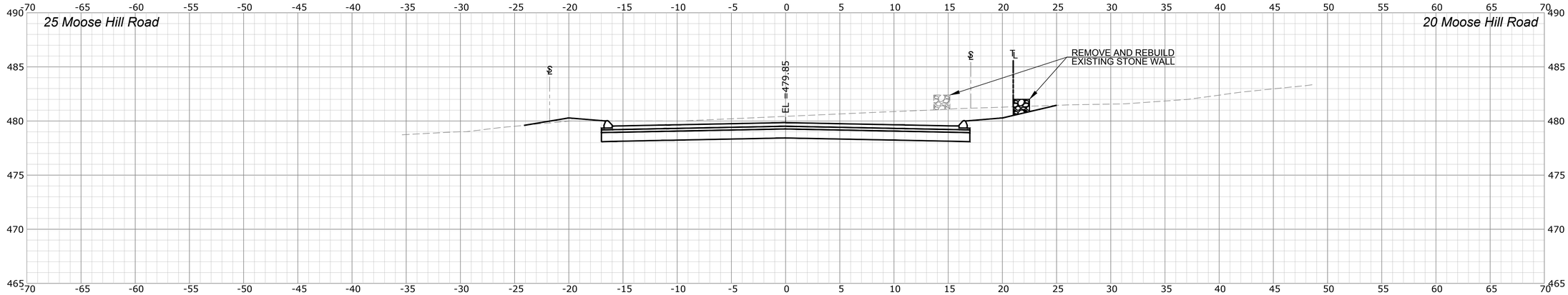
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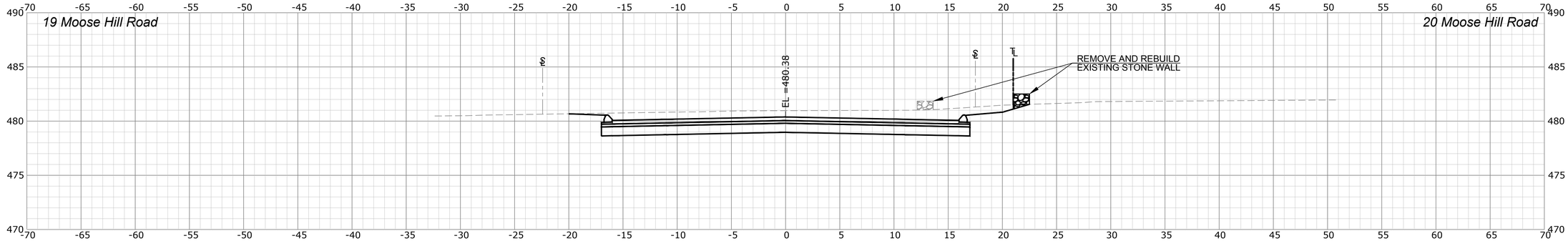
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18+90



18+50



18+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

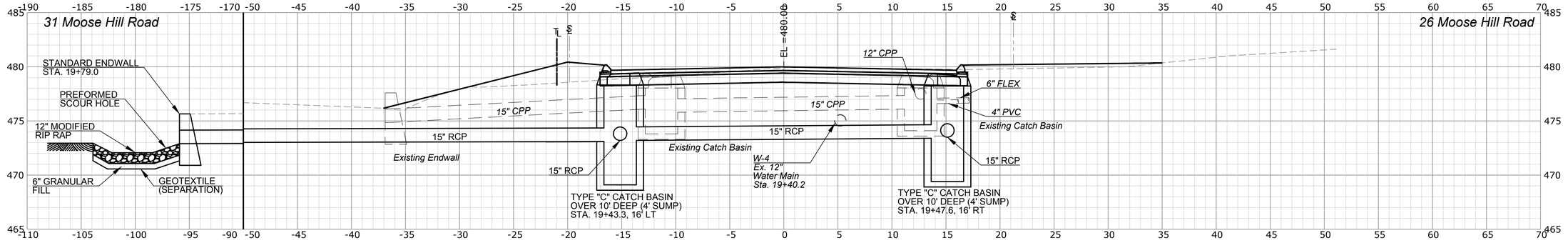
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PROJECT NO.: L144-0001

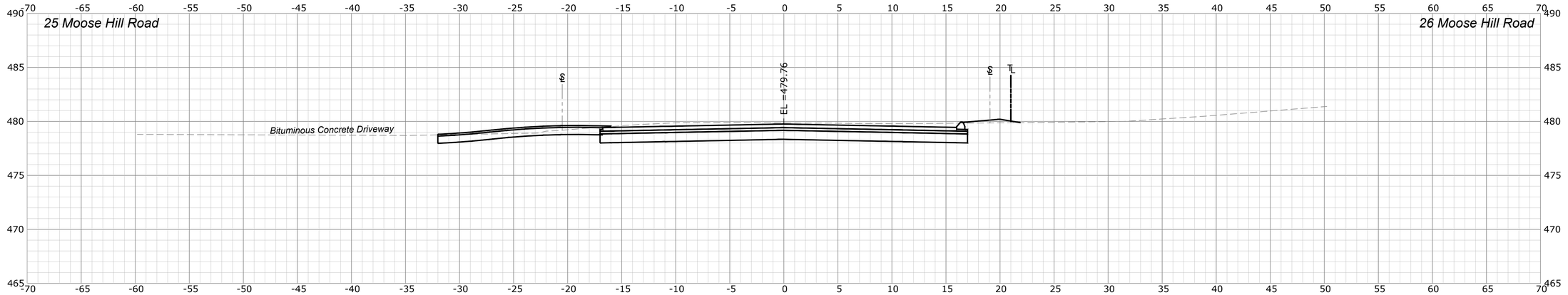
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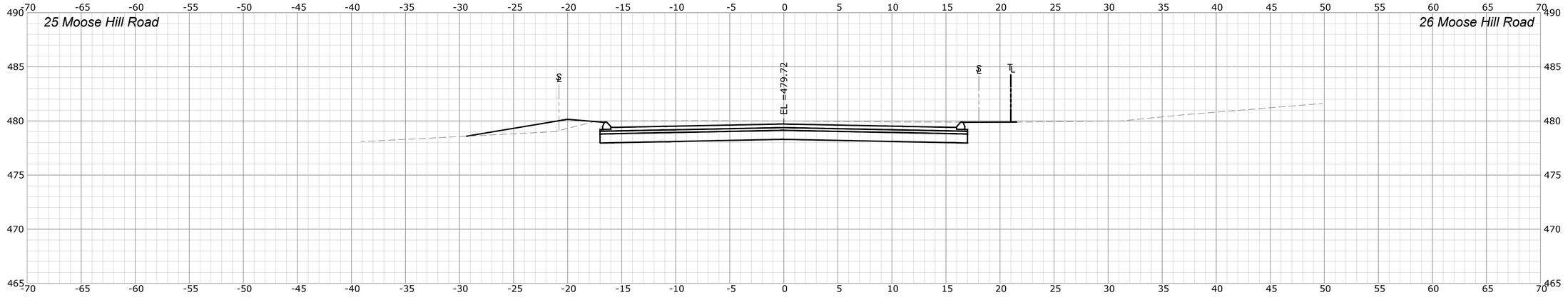
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19+50



19+16



19+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

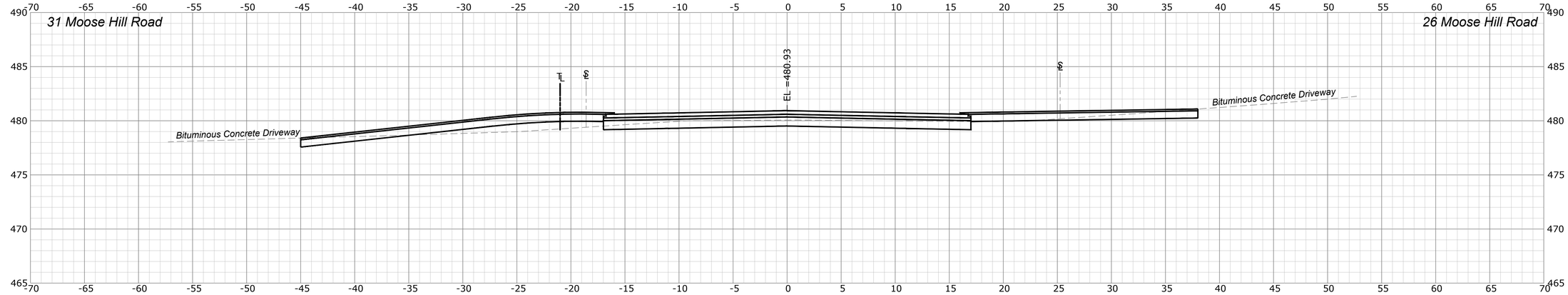
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 19+00 TO STA. 19+50

PROJECT NO.: L144-0001

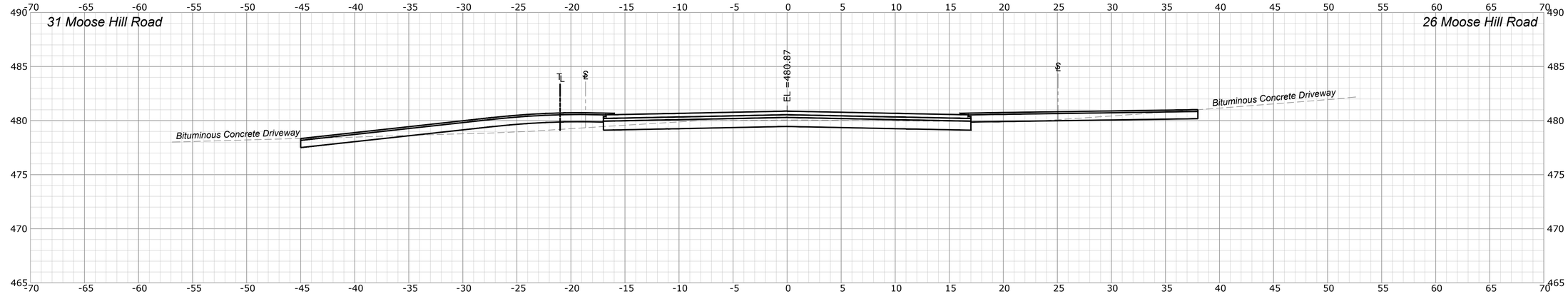
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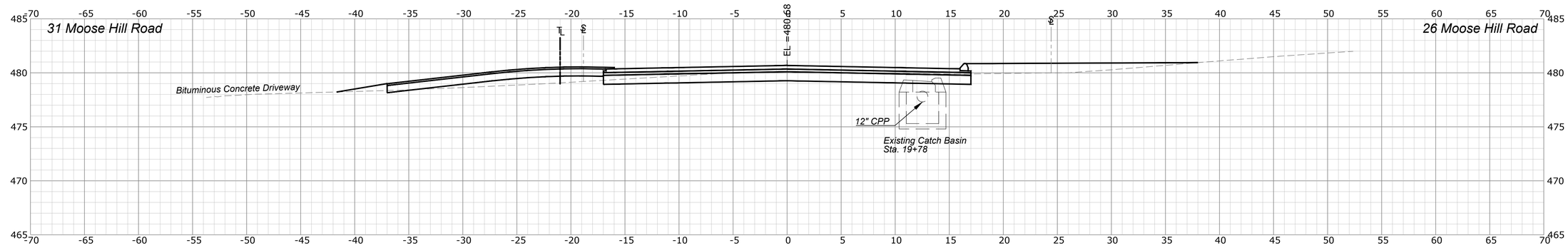
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20+13



20+10



20+00

Q:\Projects\Luchs Projects\1043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Sections\MooseHill_XSC-11.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

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PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

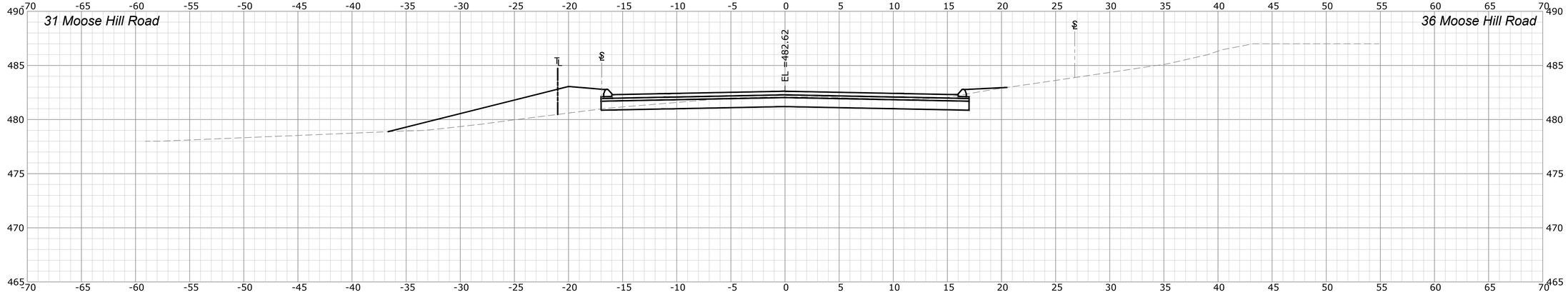
TOWN: TRUMBULL

DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 20+00 TO STA. 20+13

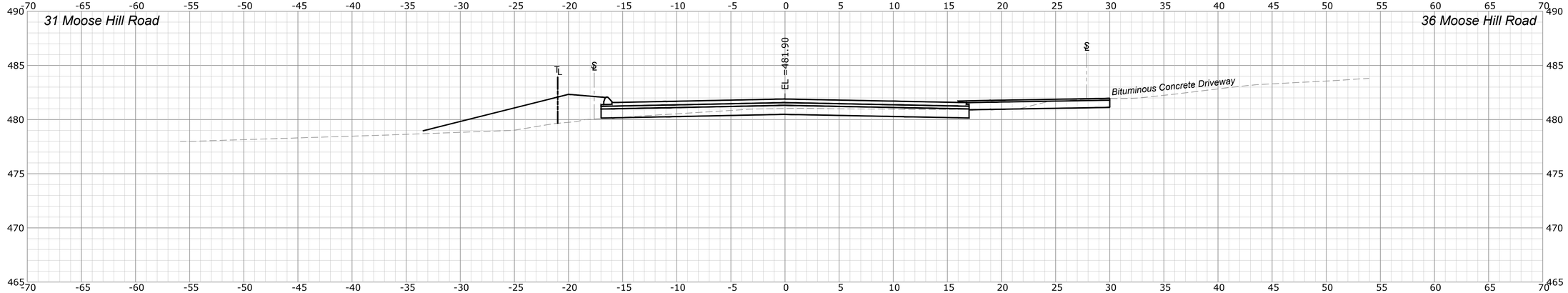
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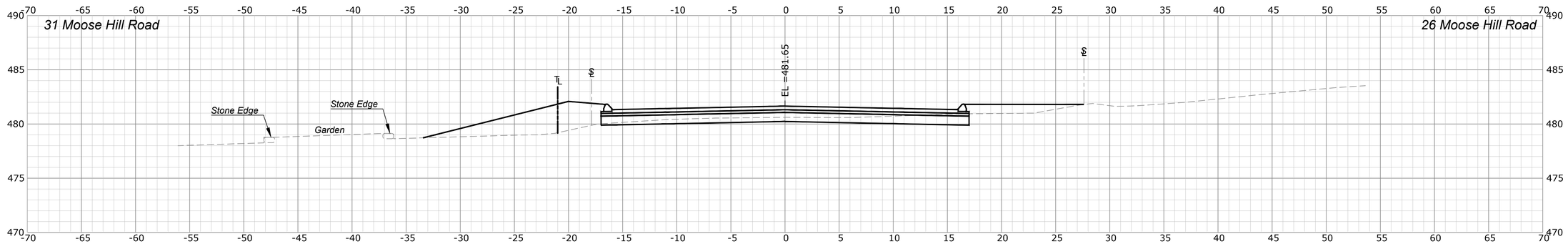
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21+00



20+63



20+50

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

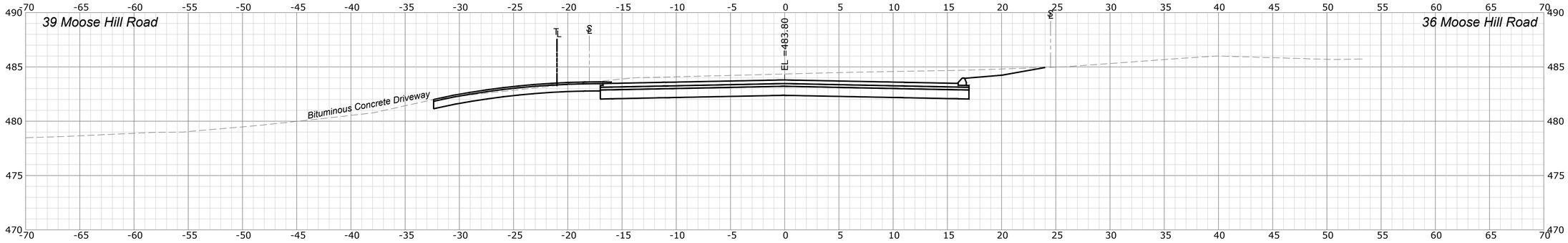
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 20+50 TO STA. 21+00

PROJECT NO.: L144-0001

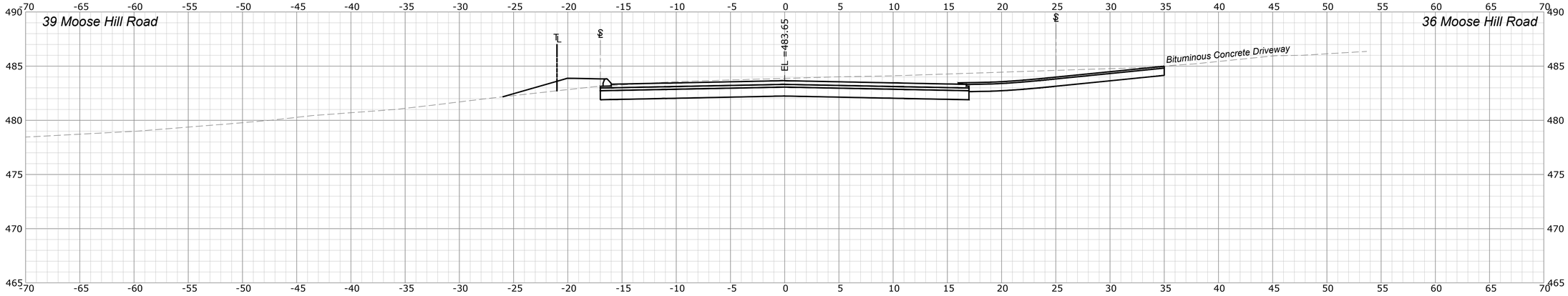
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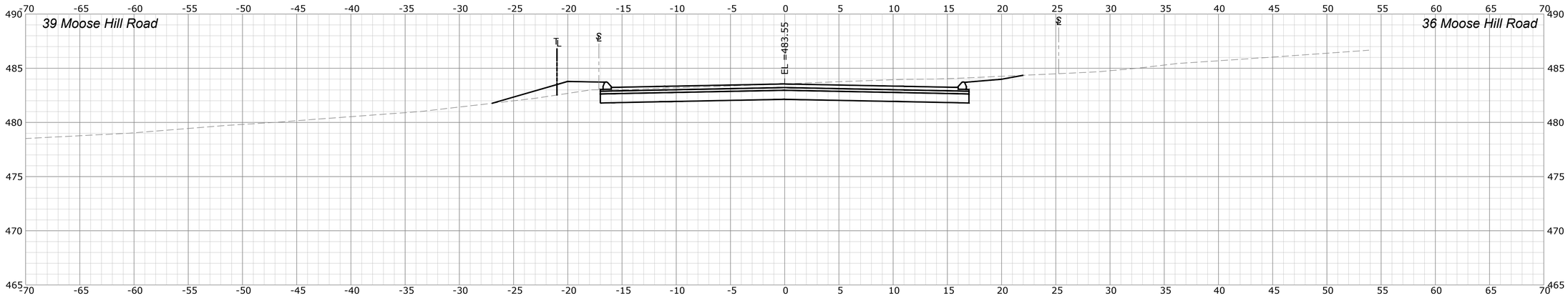
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21+75



21+58



21+50

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

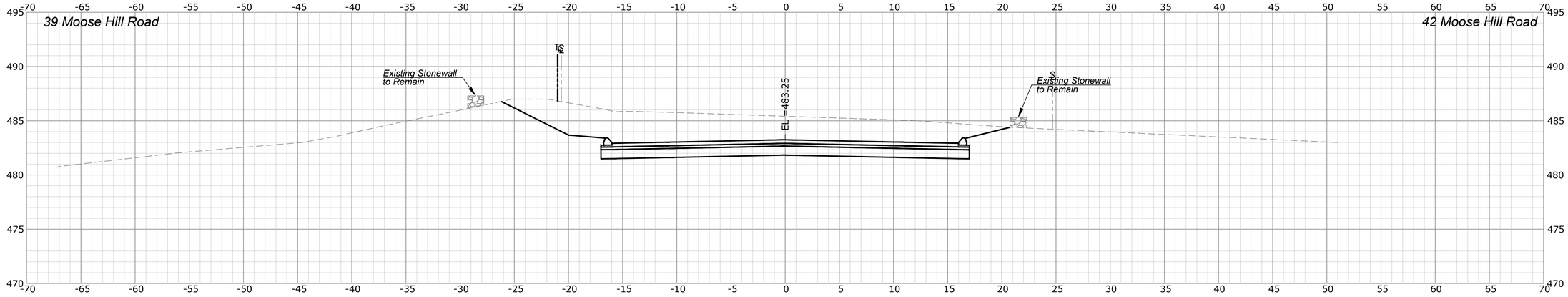
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 21+50 TO STA. 21+75

PROJECT NO.: L144-0001

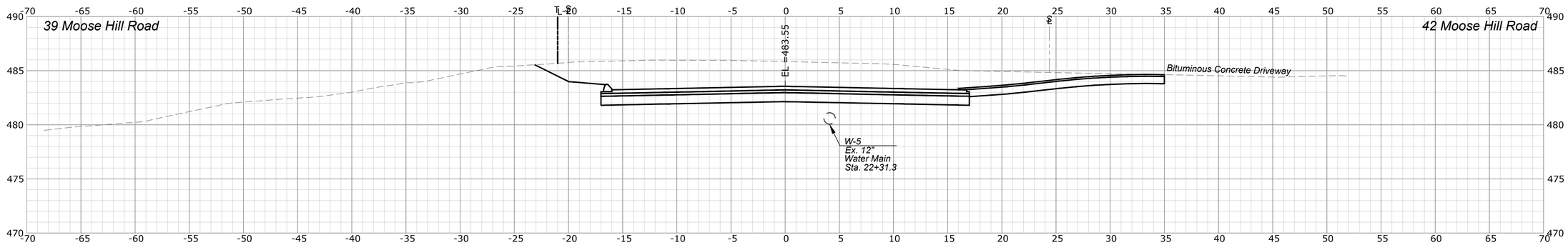
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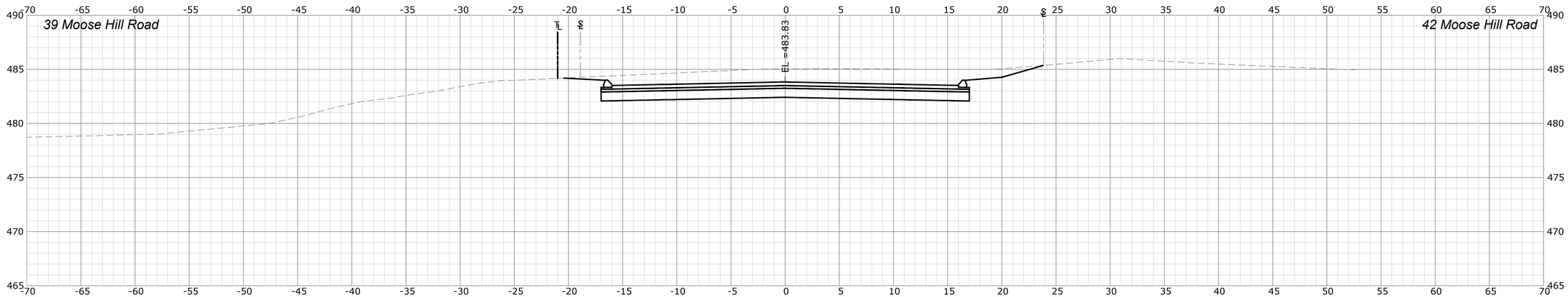
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22+50



22+32



22+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

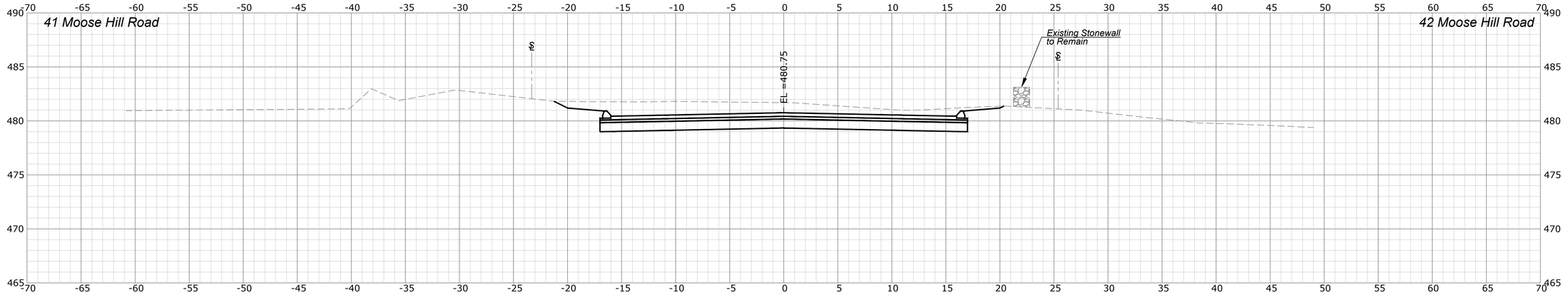
DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 22+00 TO STA. 22+50

PROJECT NO.: L144-0001

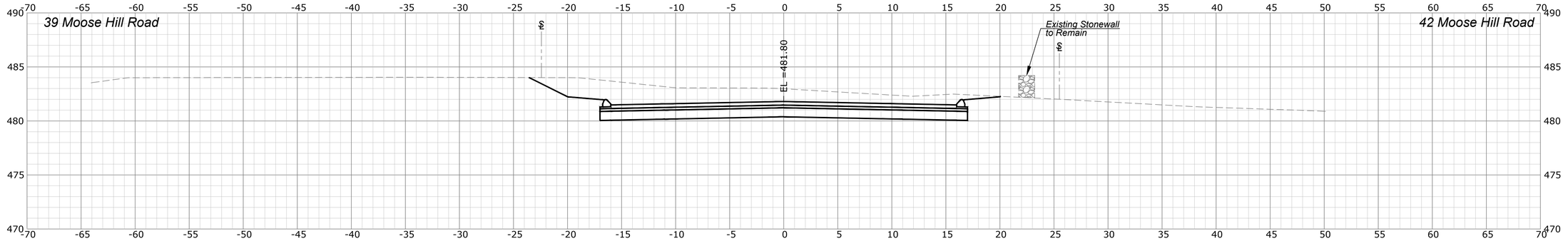
DRAWING NO.: XSC-14

SHEET NO.: 03.72

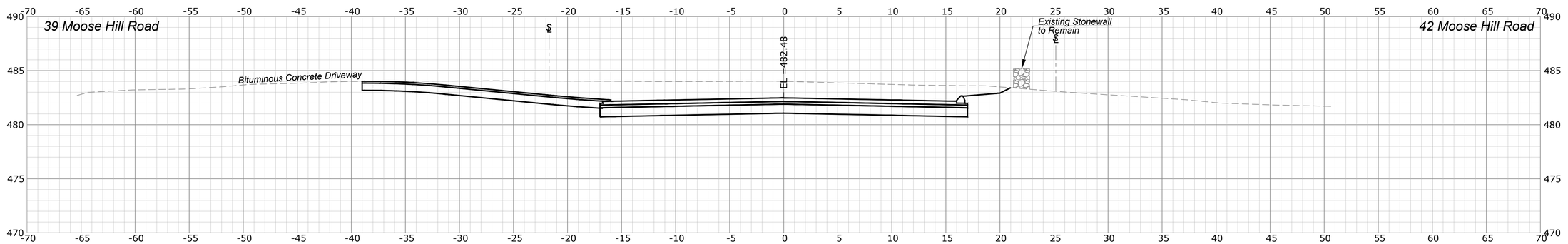
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23+25



23+00



22+80

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

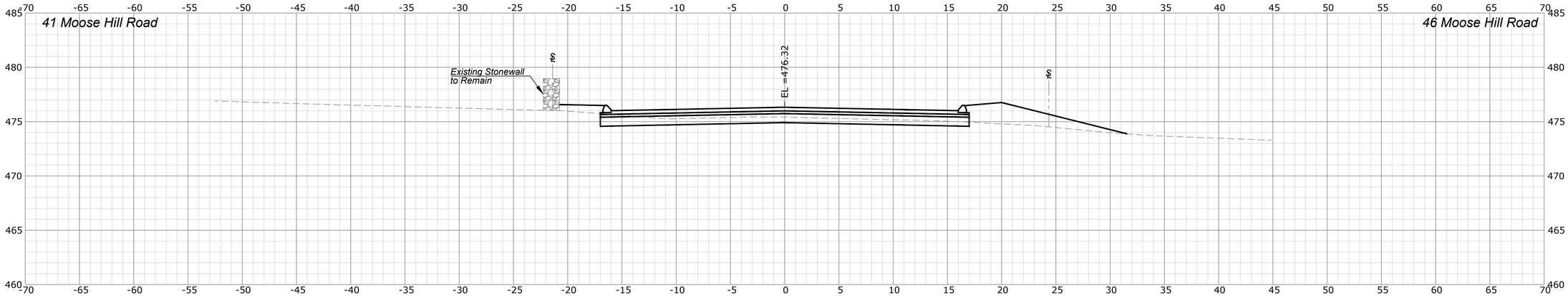
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PROJECT NO.: L144-0001

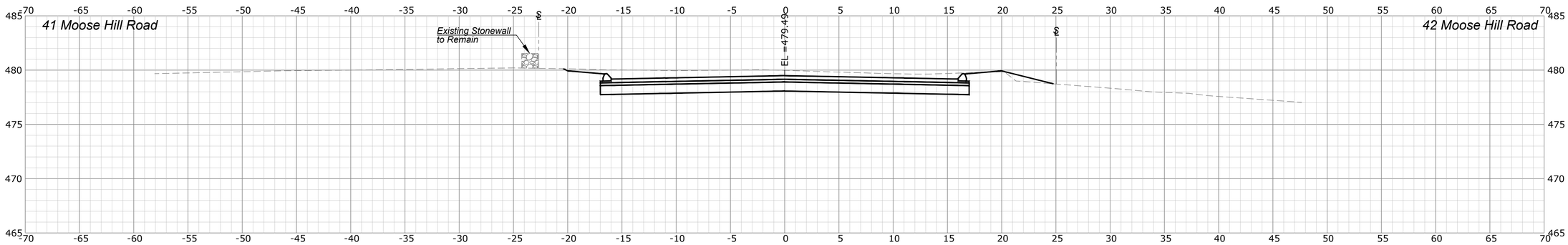
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SHEET NO.: 03.73

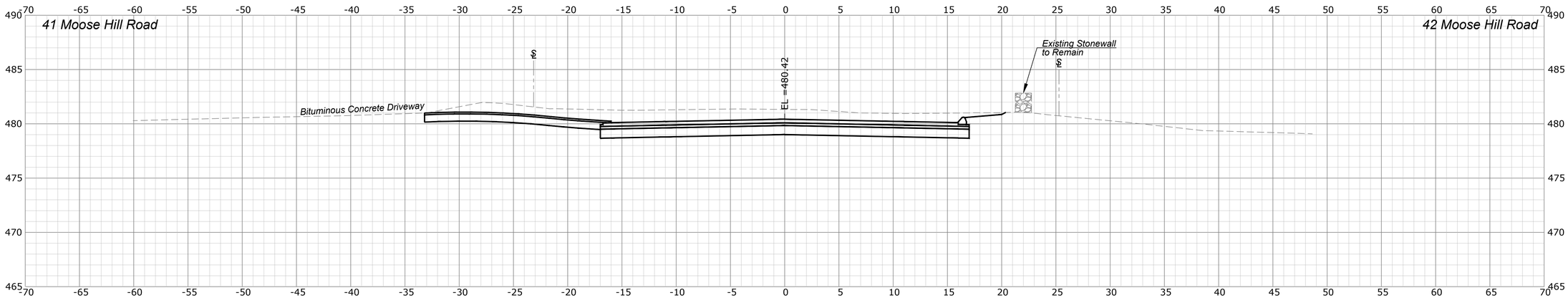
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24+00



23+50



23+32

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

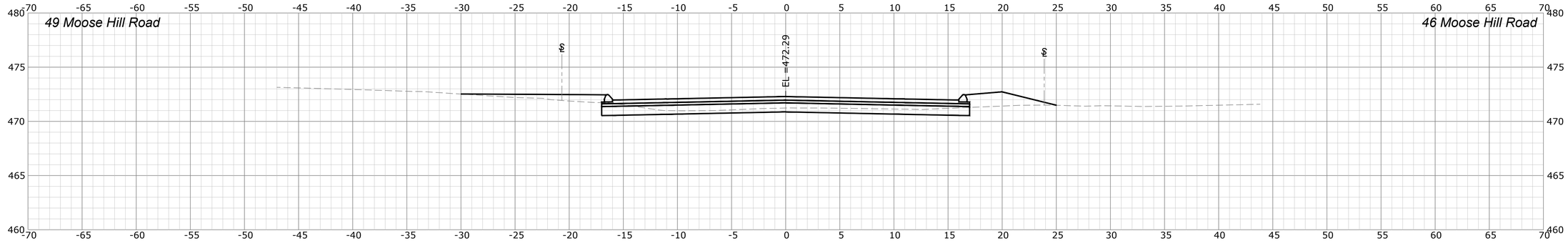
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PROJECT NO.: L144-0001

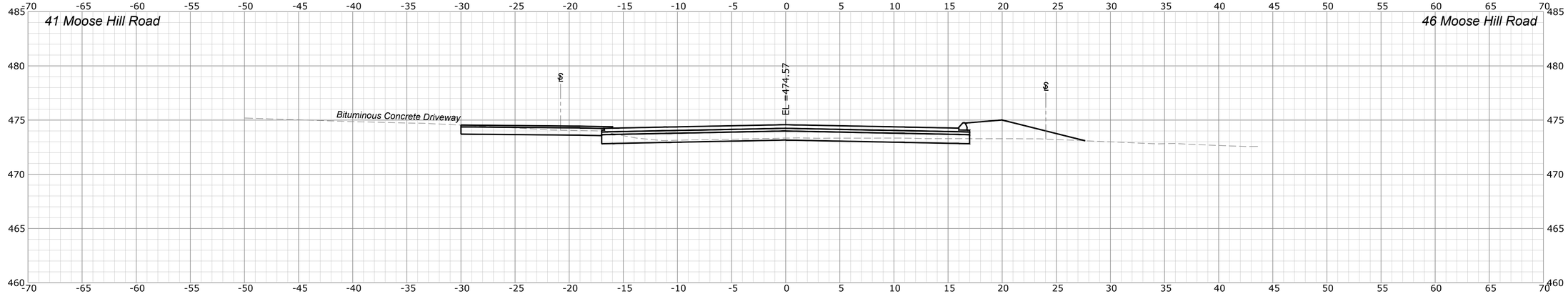
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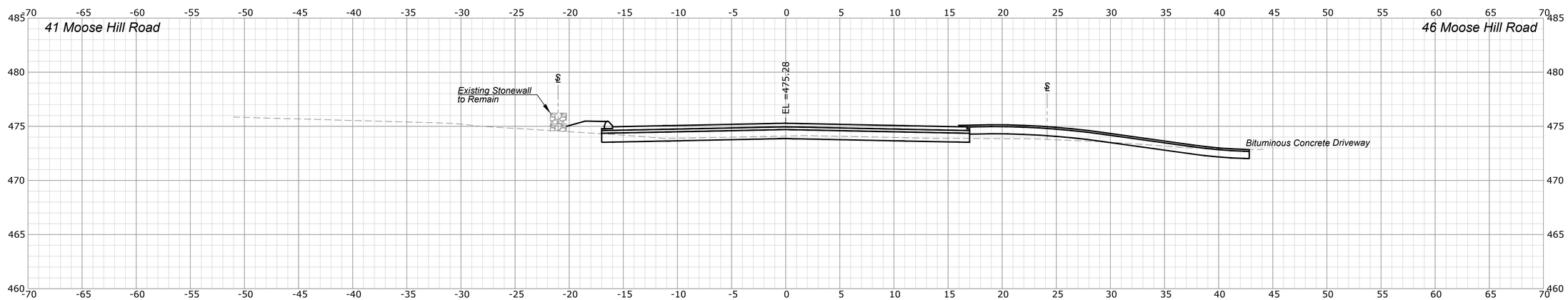
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24+50



24+23



24+14

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN. CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

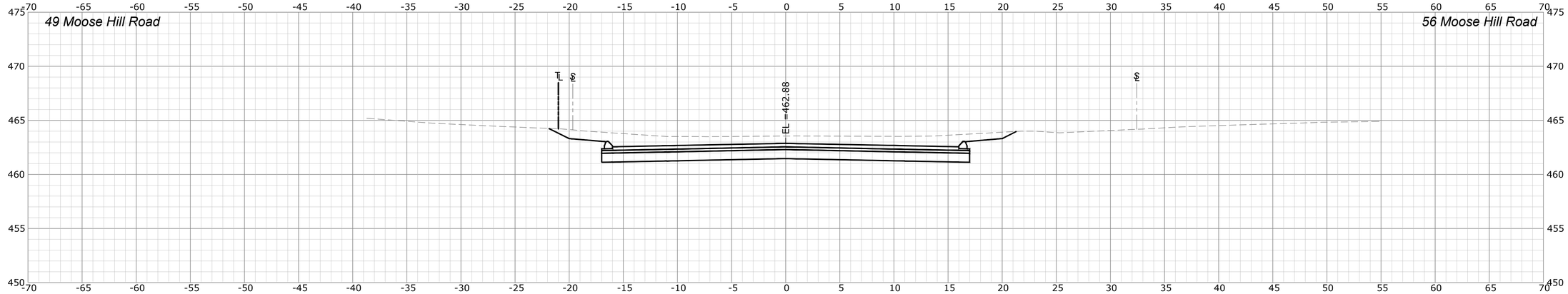
DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 24+14 TO STA. 24+50

PROJECT NO.: L144-0001

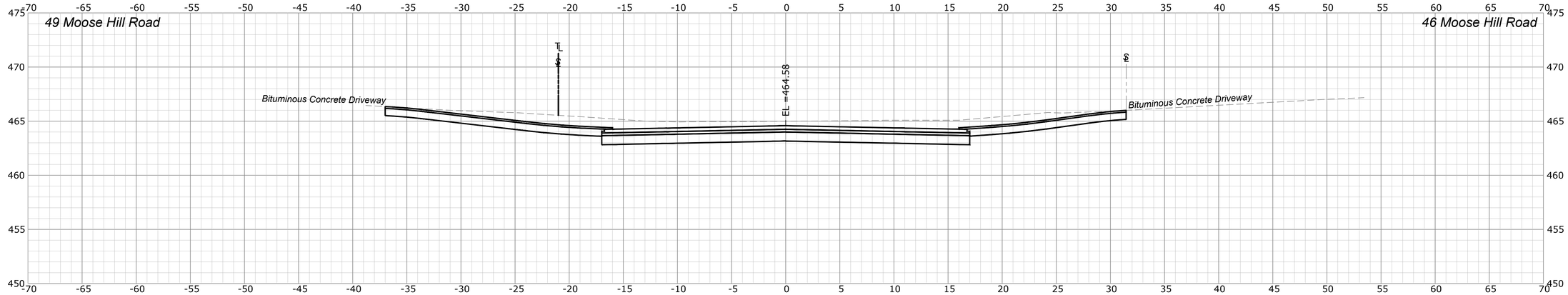
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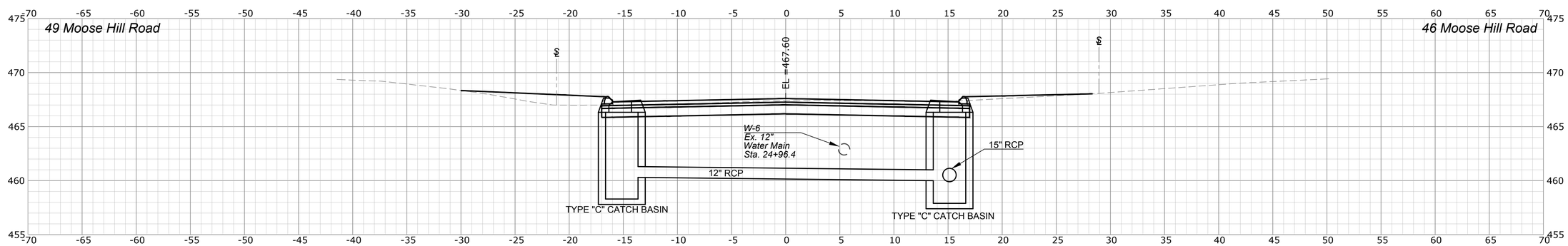
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25+50



25+32



25+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

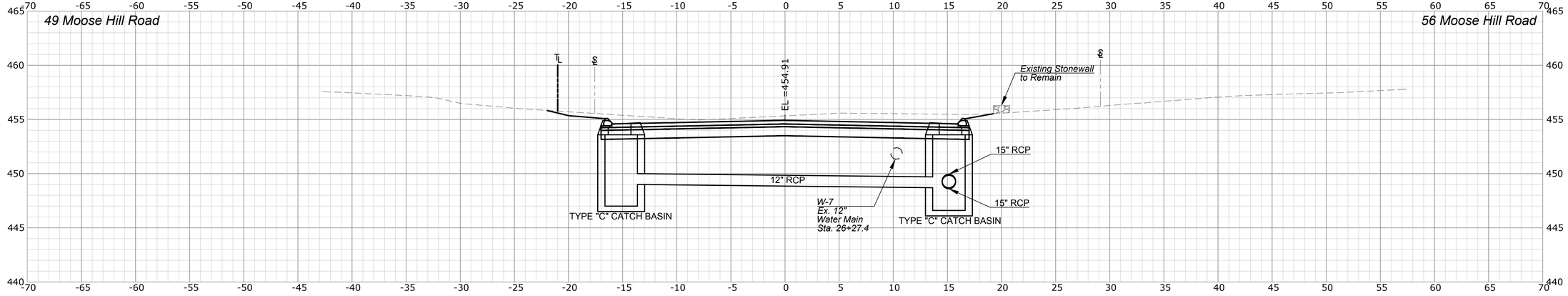
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 25+00 TO STA. 25+50

PROJECT NO.: L144-0001

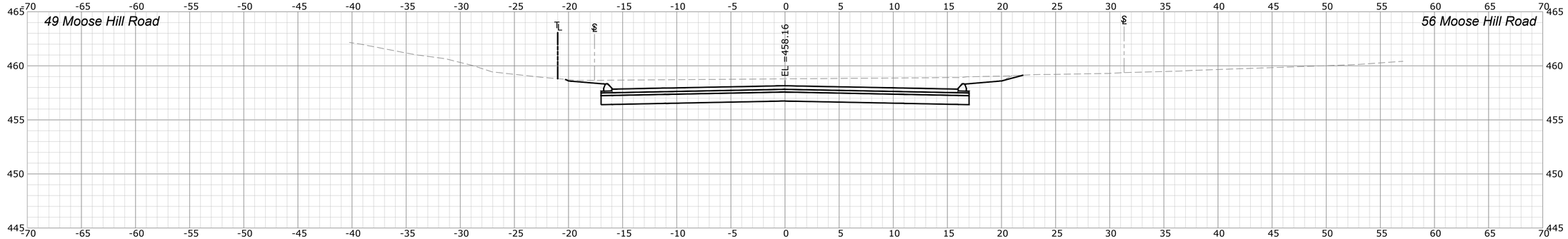
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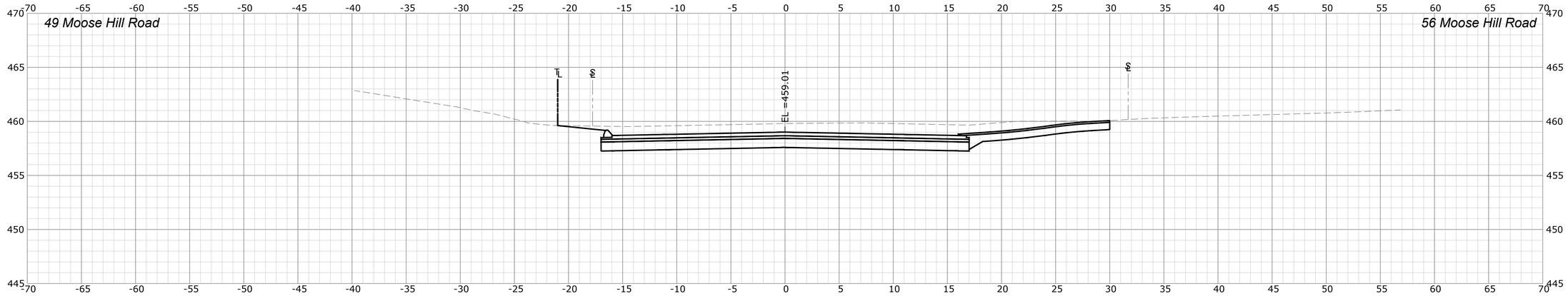
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26+35



26+00



25+91

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

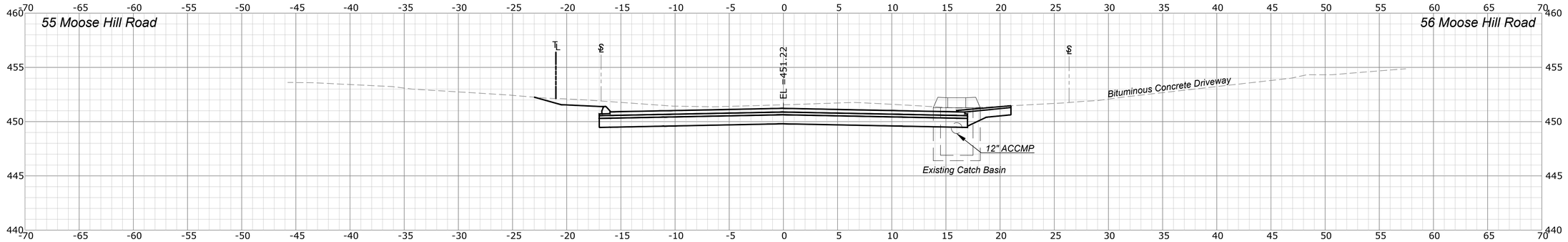
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 25+91 TO STA. 26+35

PROJECT NO.: L144-0001

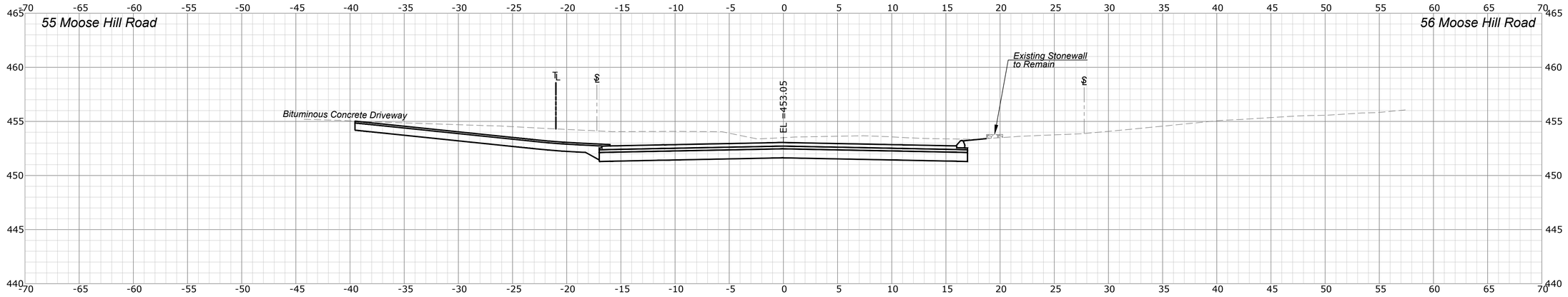
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SHEET NO.: 03.77

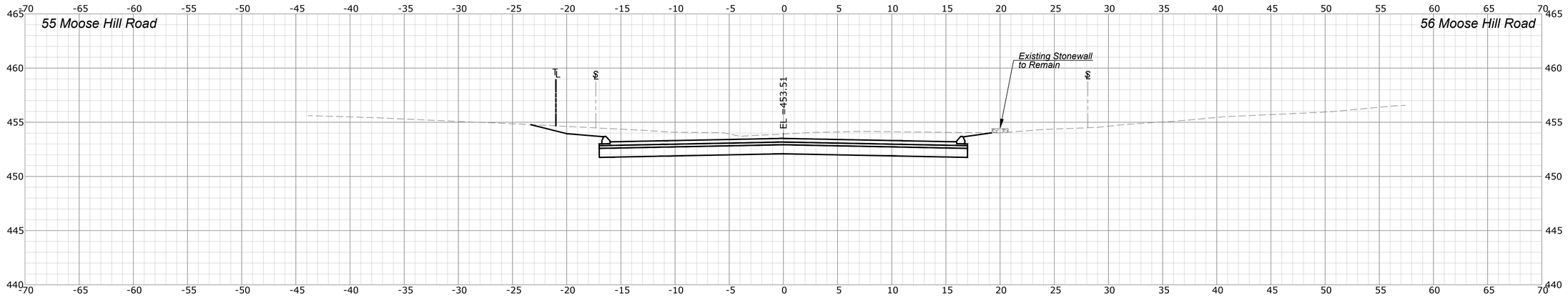
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26+75



26+55



26+50

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

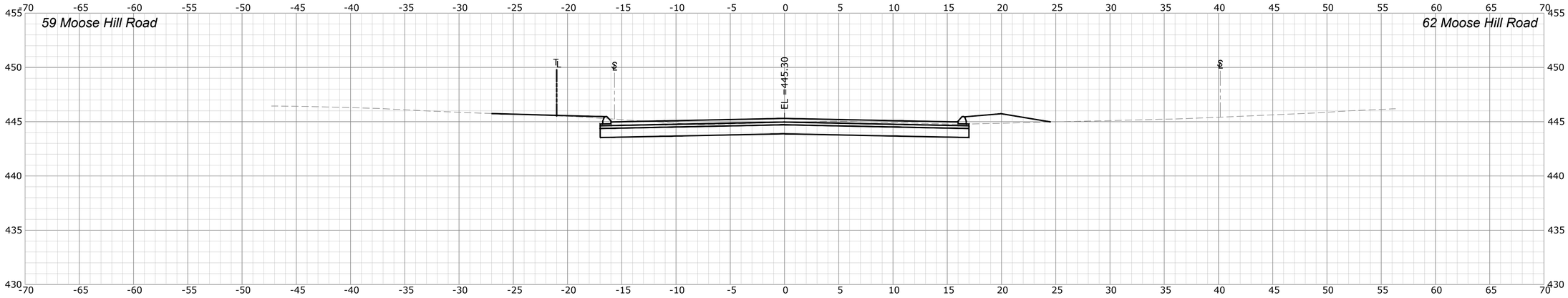
DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 26+50 TO STA. 26+75

PROJECT NO.: L144-0001

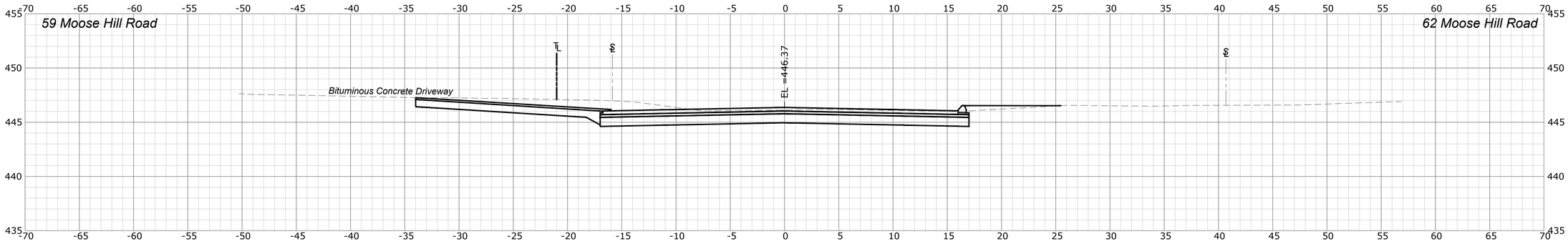
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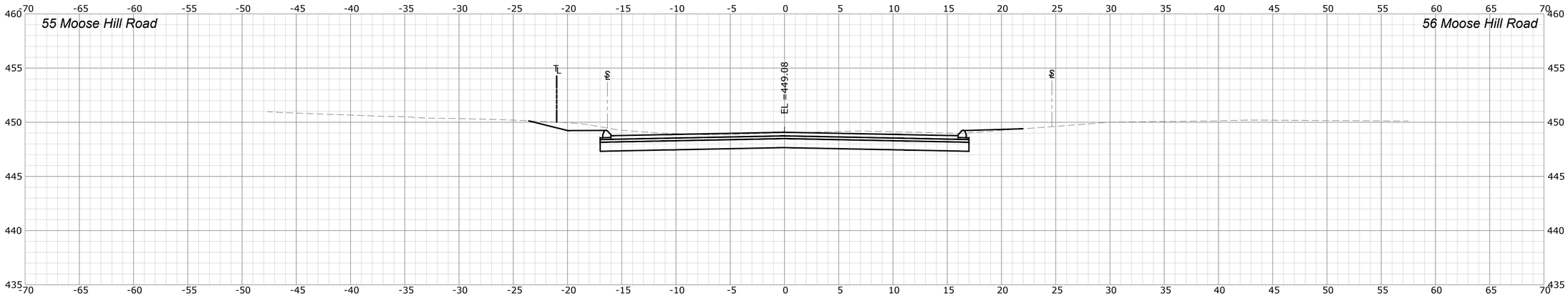
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27+50



27+35



27+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

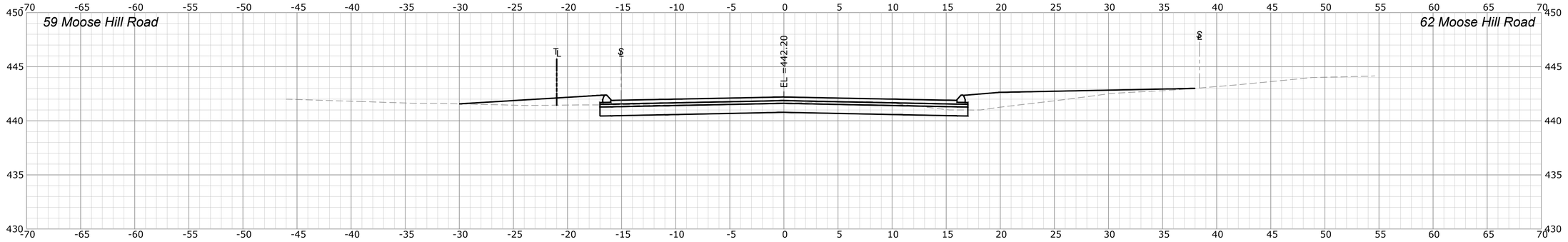
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 27+00 TO STA. 27+50

PROJECT NO.: L144-0001

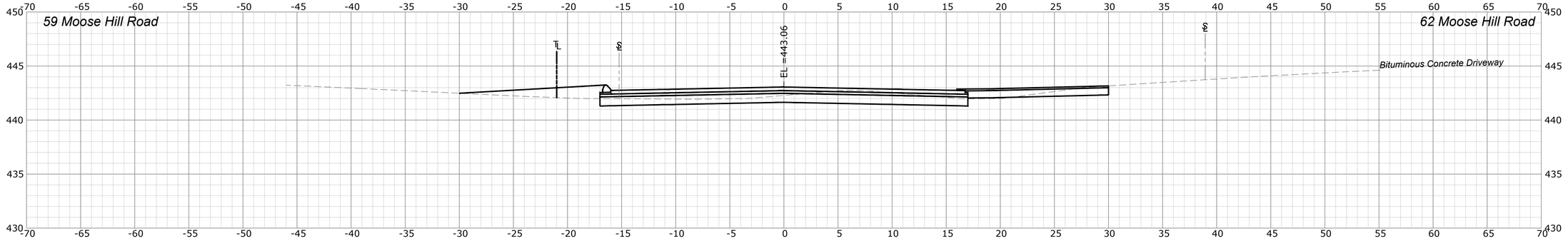
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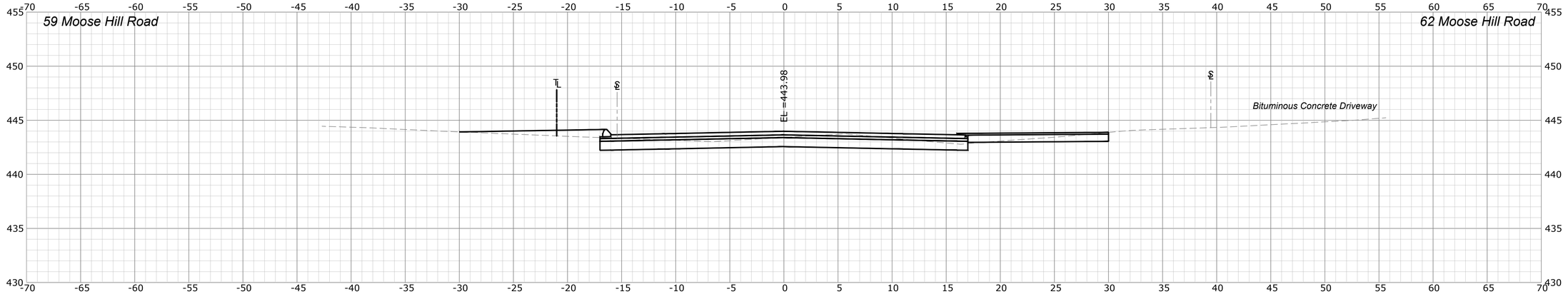
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28+00



27+85



27+70

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

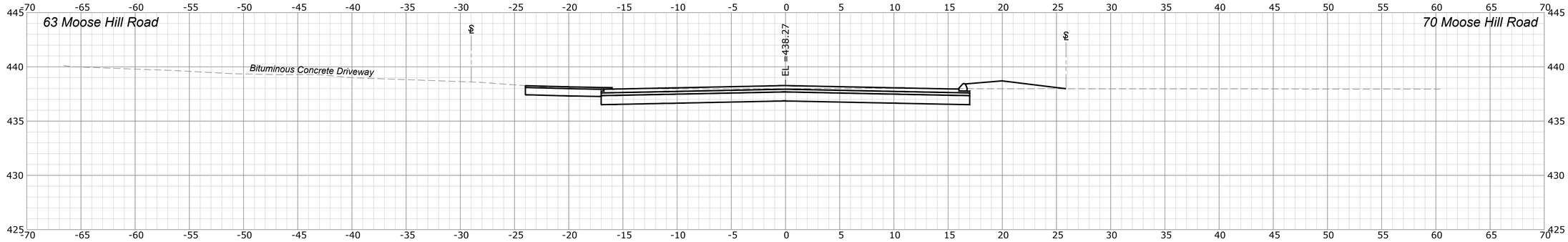
DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 27+70 TO STA. 28+00

PROJECT NO.: L144-0001

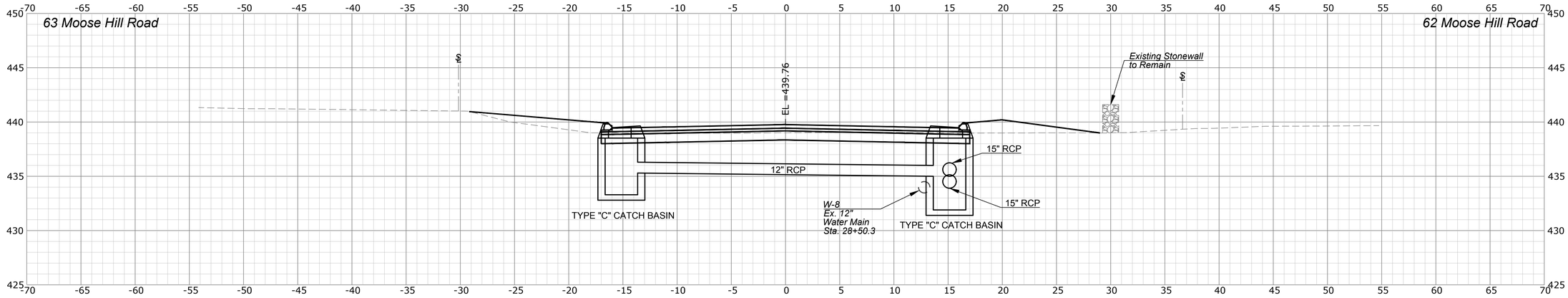
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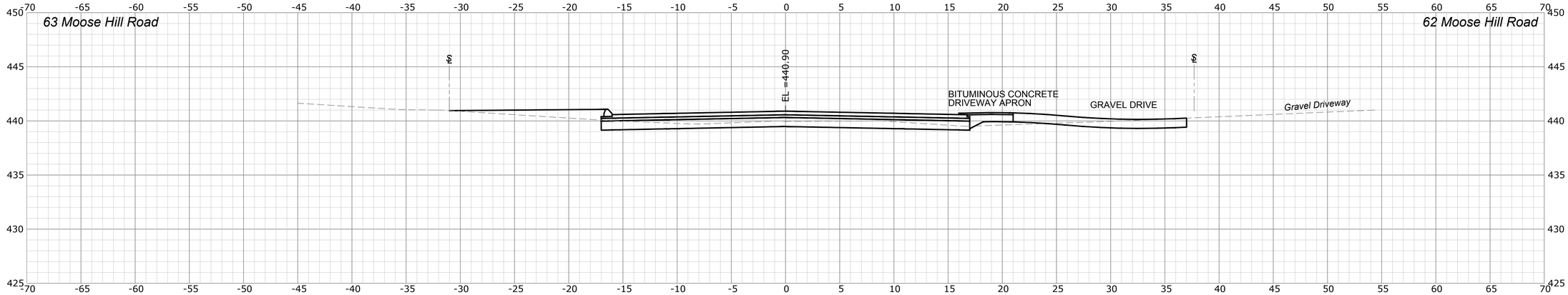
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28+91



28+50



28+25

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

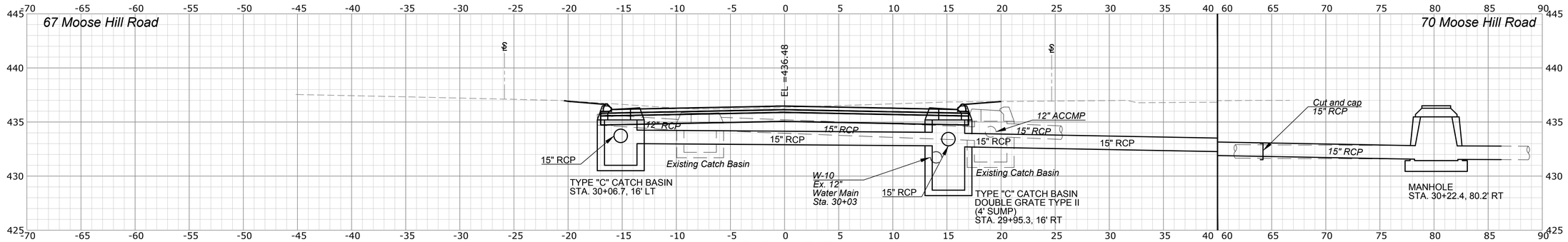
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 28+20 TO STA. 28+91

PROJECT NO.: L144-0001

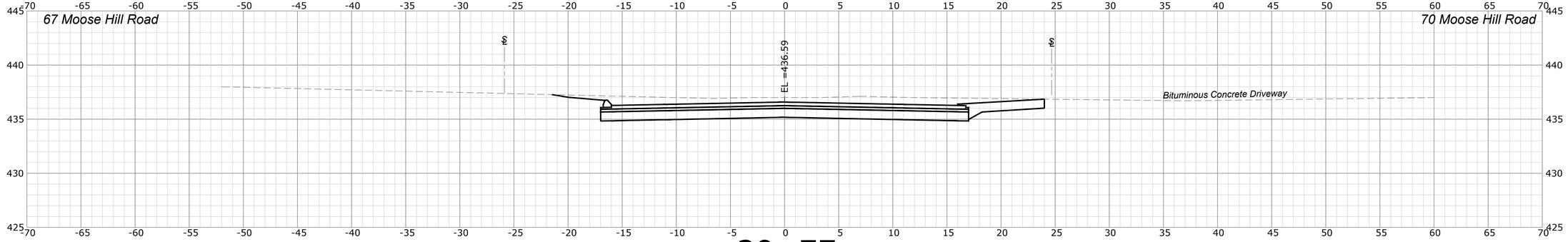
DRAWING NO.: XSC-23

SHEET NO.: 03.81

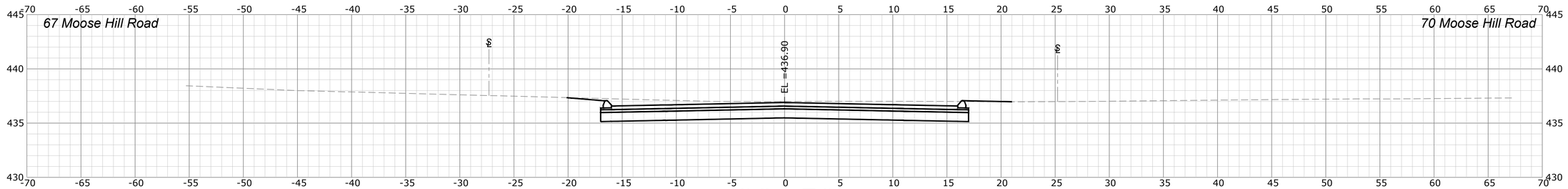
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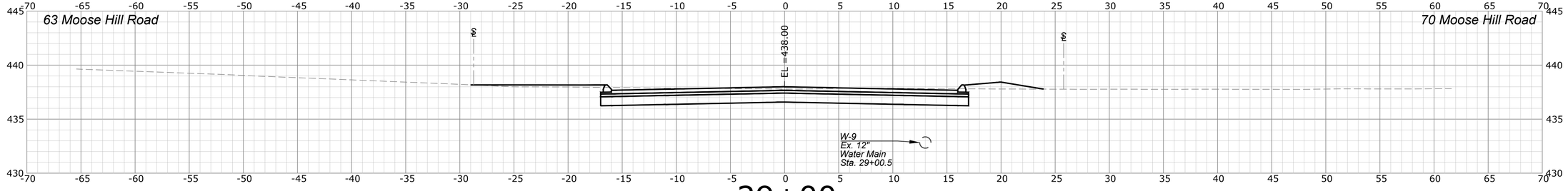
30+00



29+77



29+50



29+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

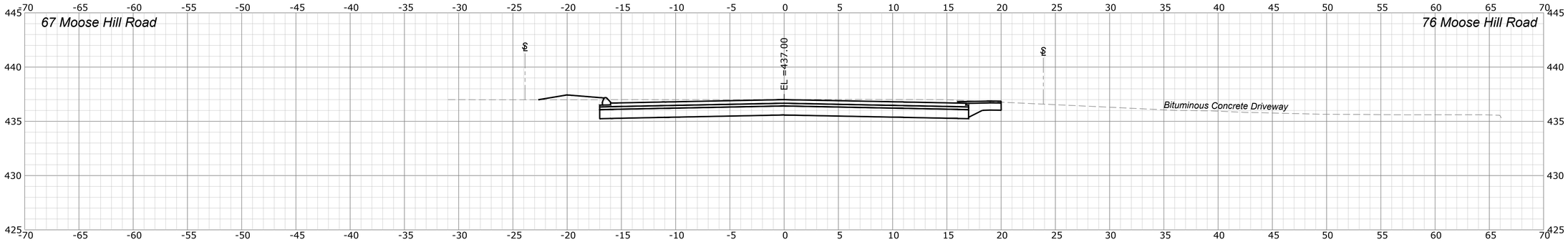
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 29+00 TO STA. 30+00

PROJECT NO.: L144-0001

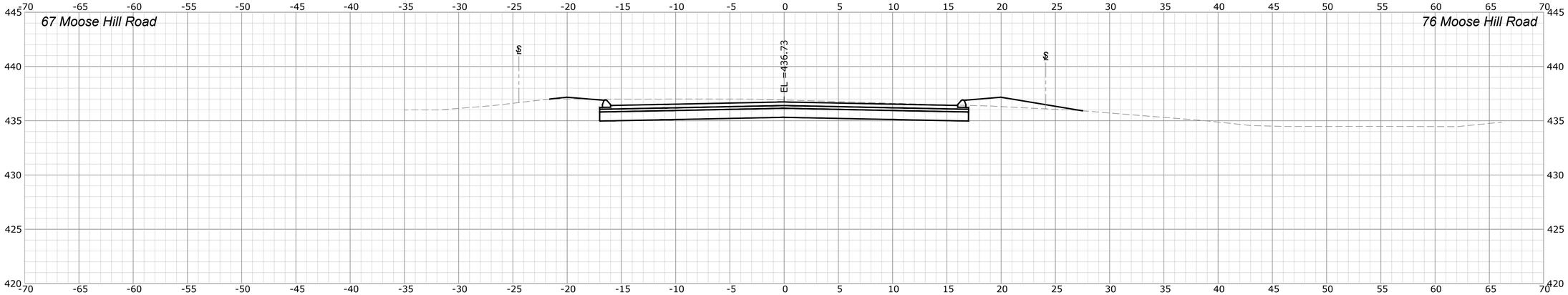
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SHEET NO.: 03.82

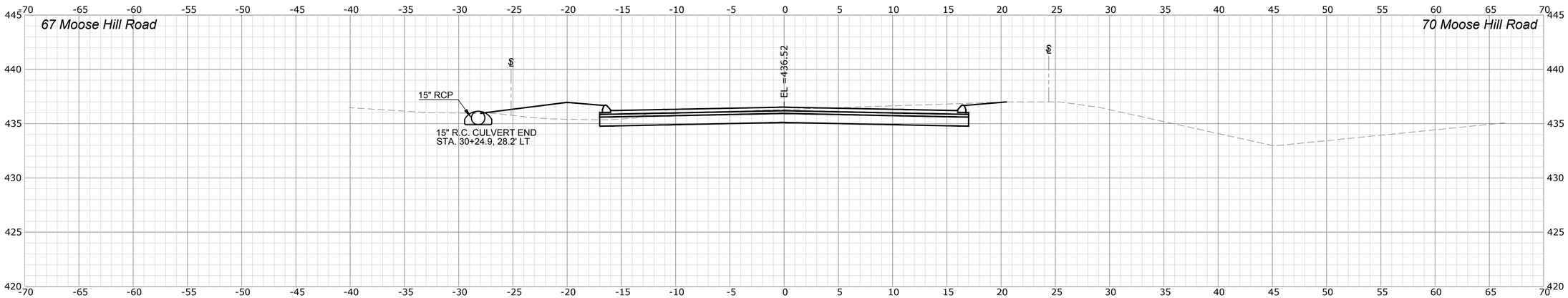
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30+70



30+50



30+25

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

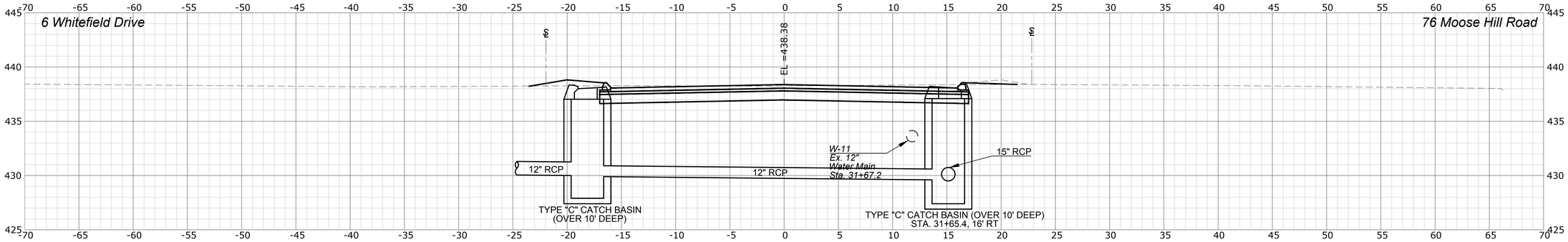
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 30+25 TO STA. 30+70

PROJECT NO.: L144-0001

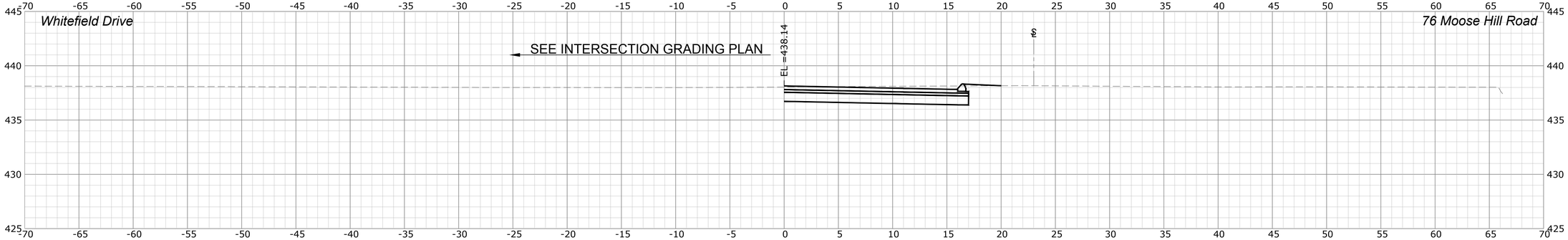
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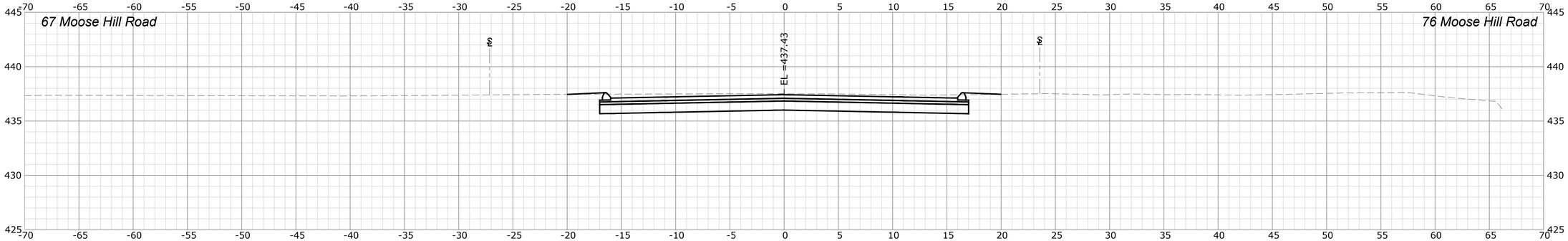
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31+67



31+50



31+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

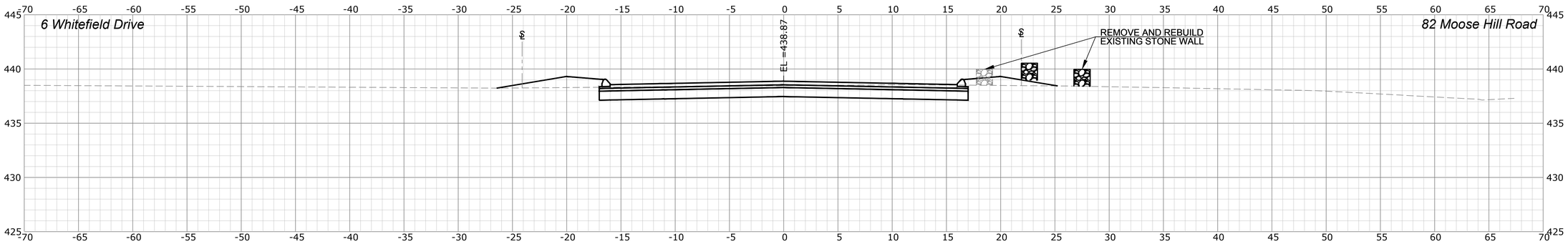
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PROJECT NO.: L144-0001

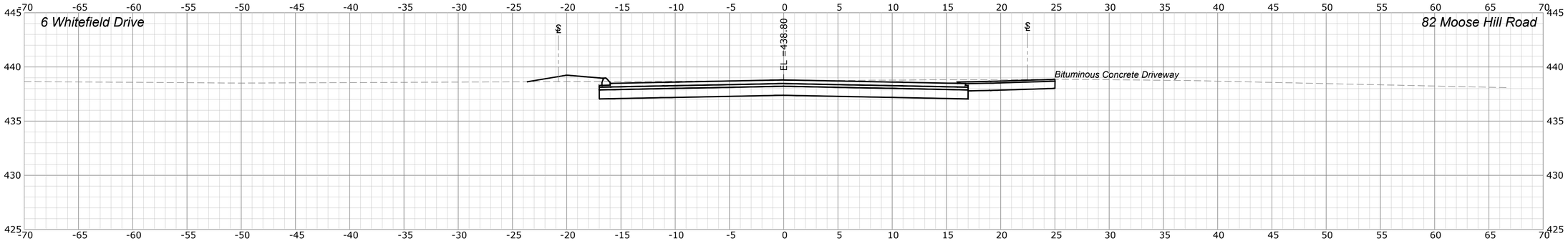
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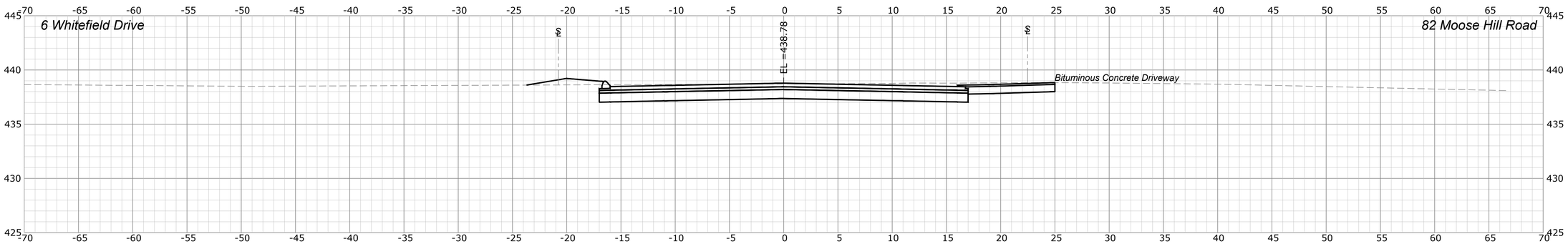
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32+50



32+00



31+98

Q:\Projects\Luchs Projects\1043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Sections\MooseHill_XSC-27.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

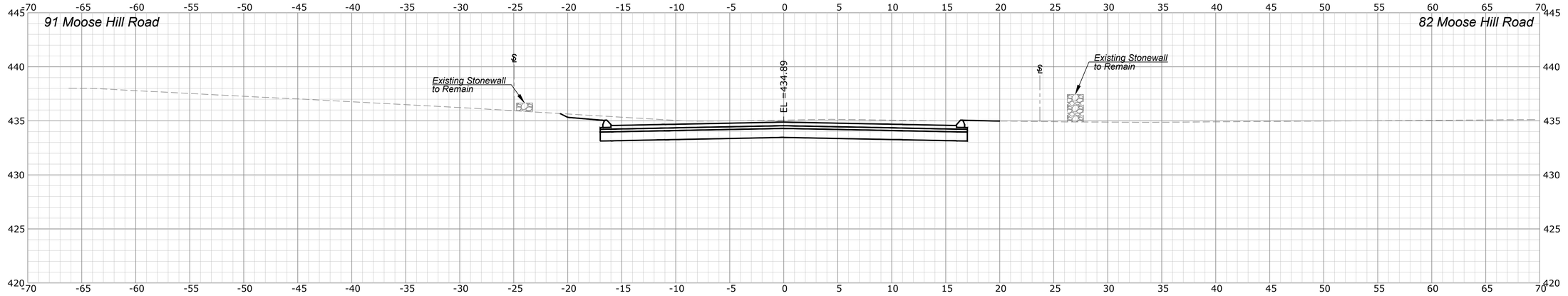
TOWN: TRUMBULL

DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 31+98 TO STA. 32+50

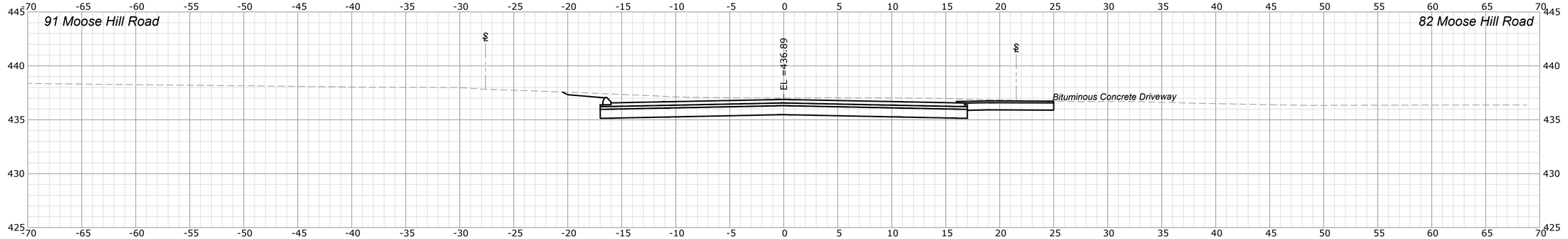
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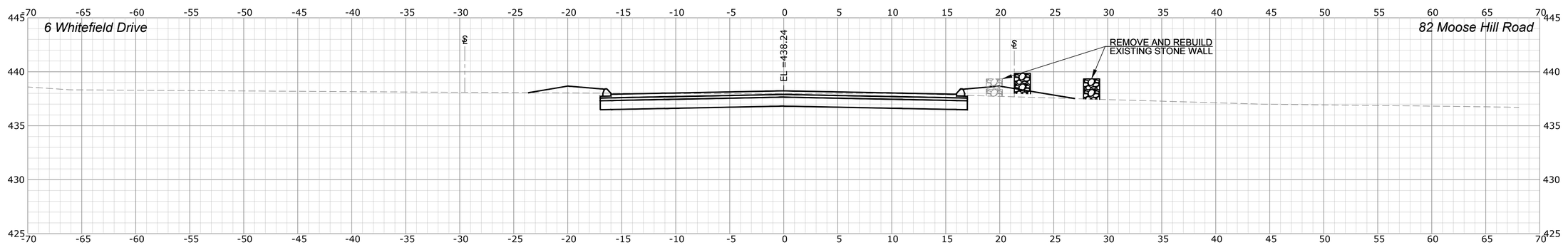
SHEET NO.: 03.85



34+00



33+50



33+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

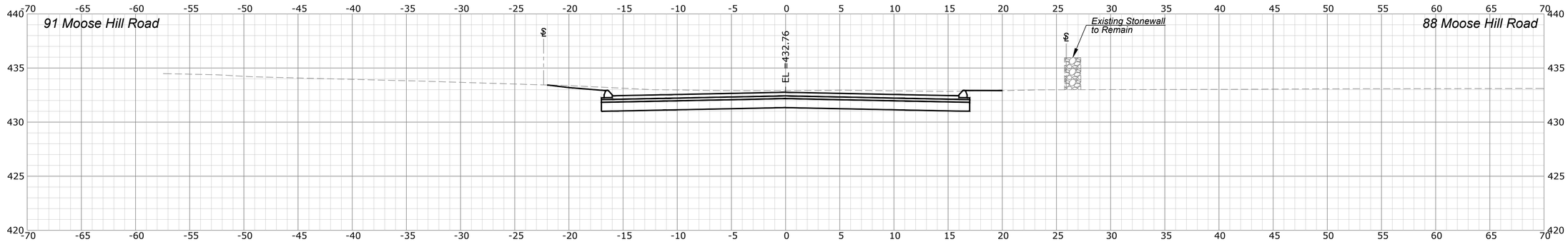
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 33+00 TO STA. 34+00

PROJECT NO.: L144-0001

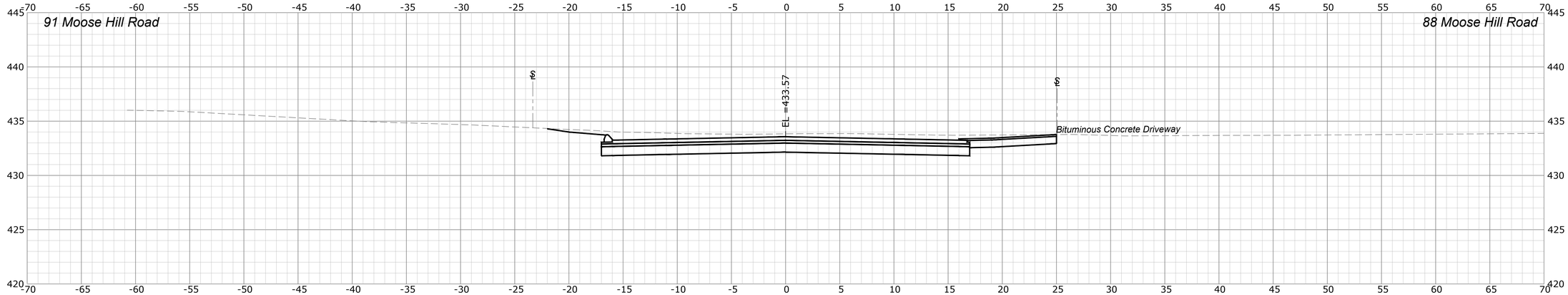
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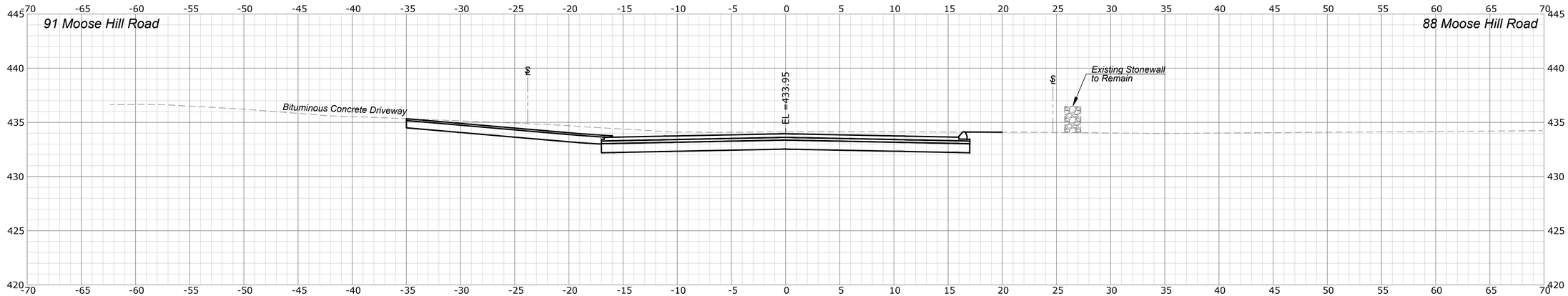
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34+50



34+31



34+22

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

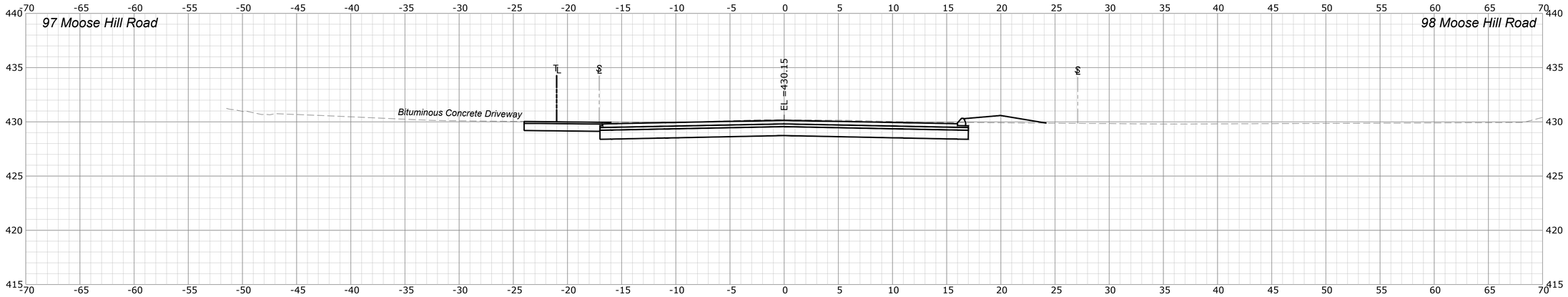
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PROJECT NO.: L144-0001

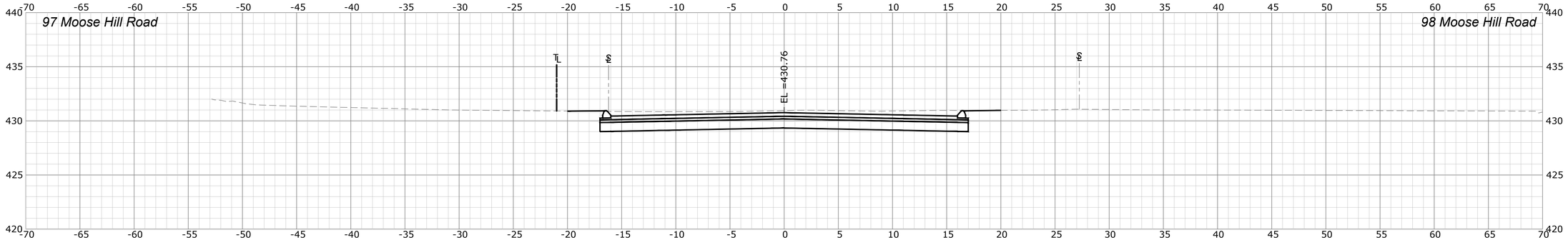
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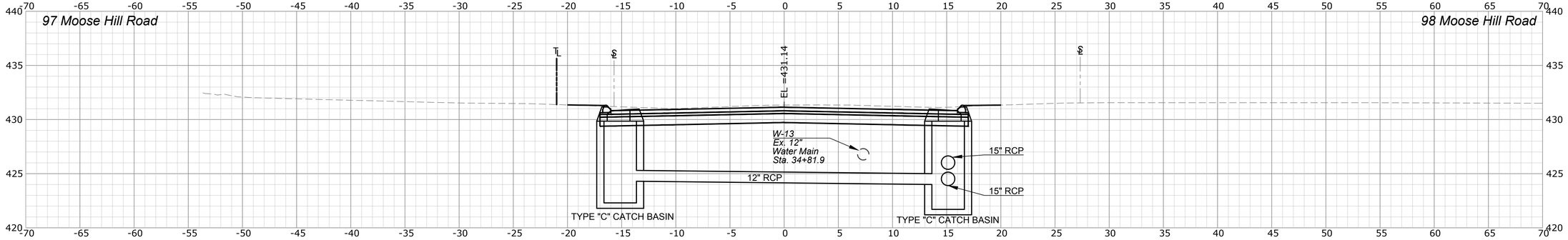
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35+17



35+00



34+90

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highway\MSIa_Contract_Sheet_Files\Sections\MooseHill_XSC-30.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

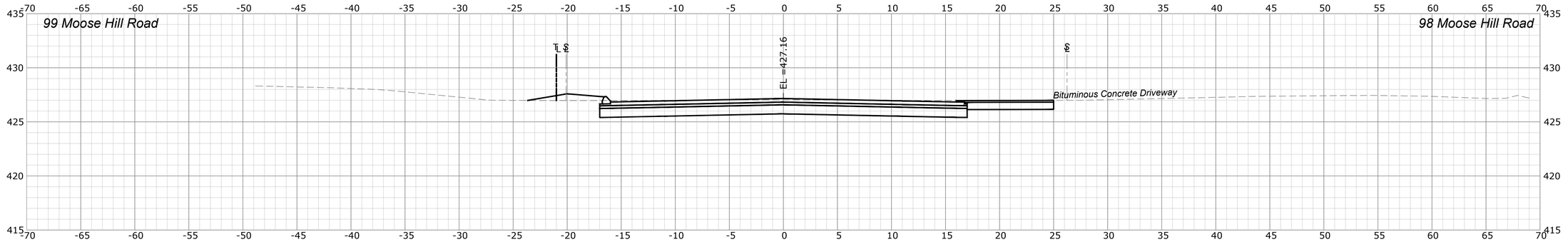
TOWN: TRUMBULL

DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 34+90 TO STA. 35+17

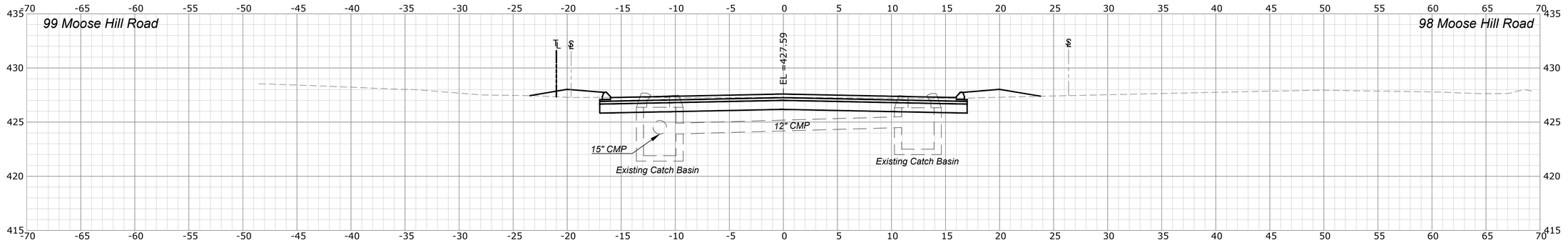
PROJECT NO.: L144-0001

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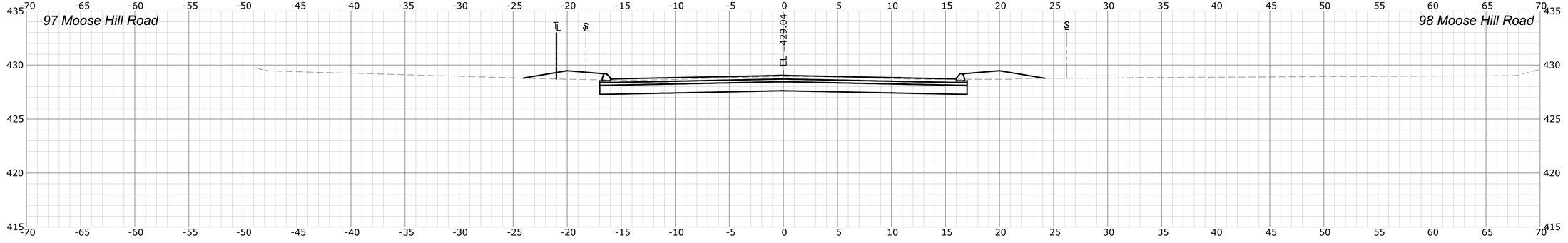
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36+17



36+00



35+50

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

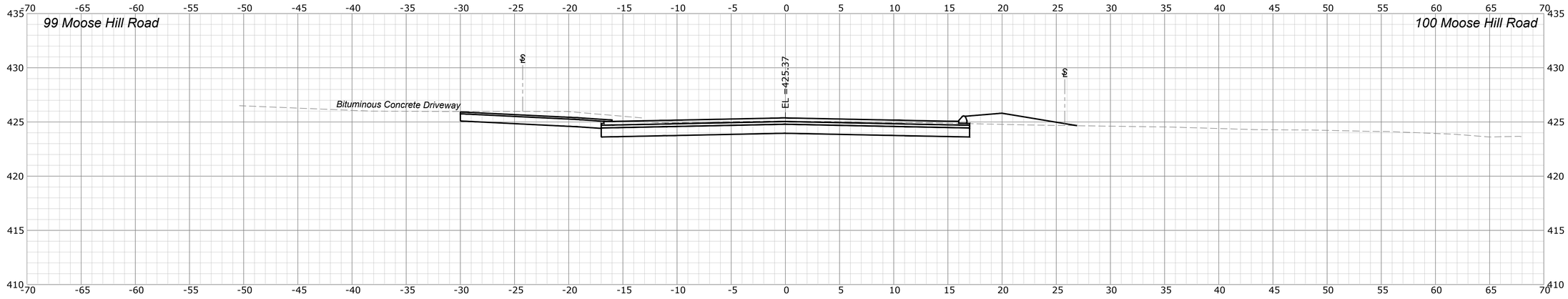
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PROJECT NO.: L144-0001

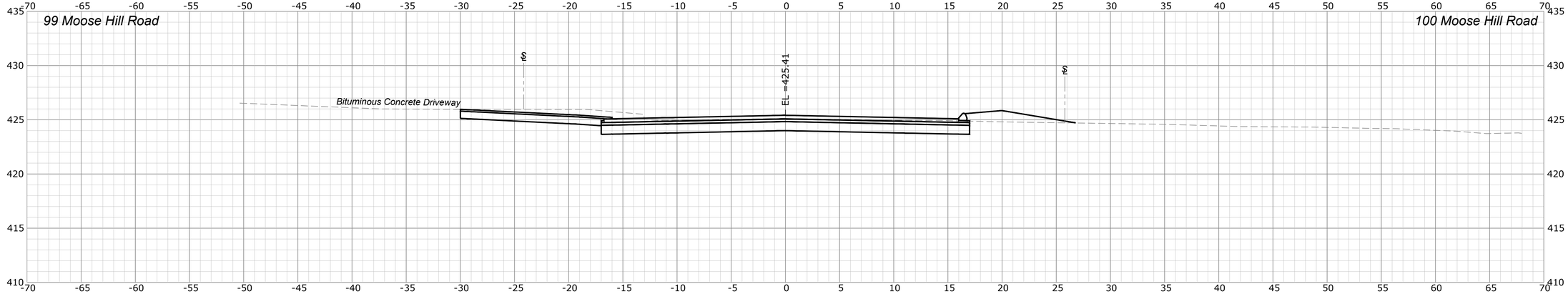
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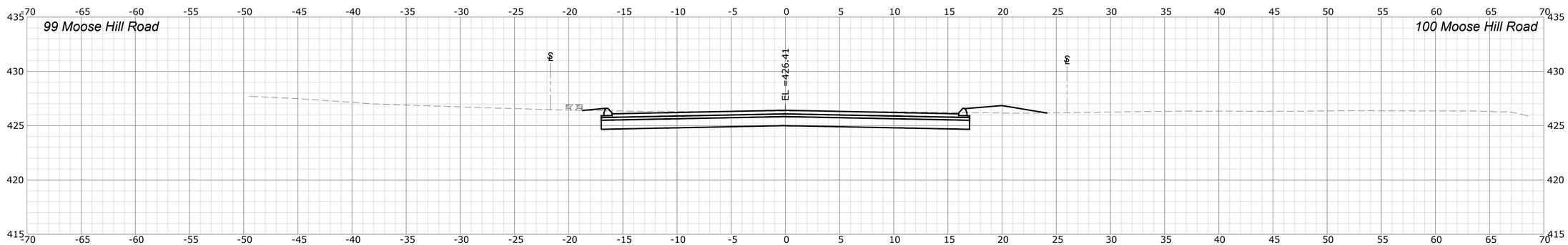
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37+00



36+98



36+50

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

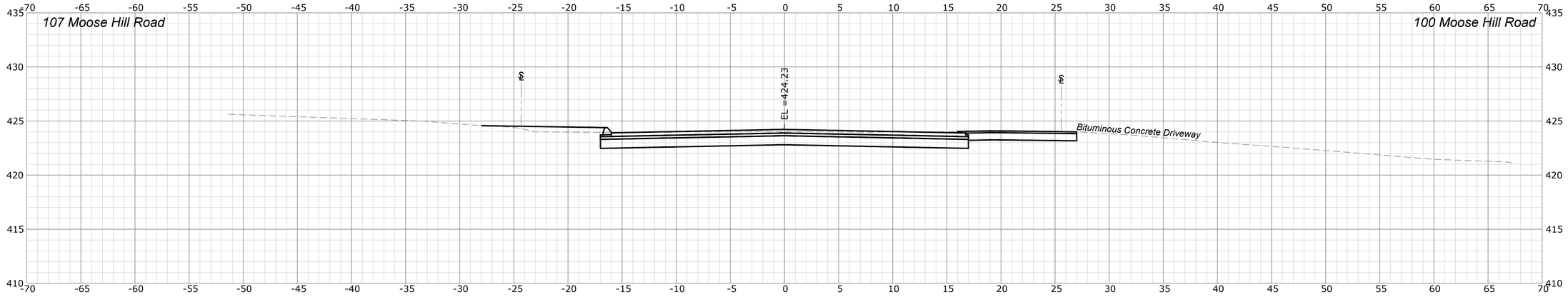
TOWN: TRUMBULL

DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 36+50 TO STA. 37+00

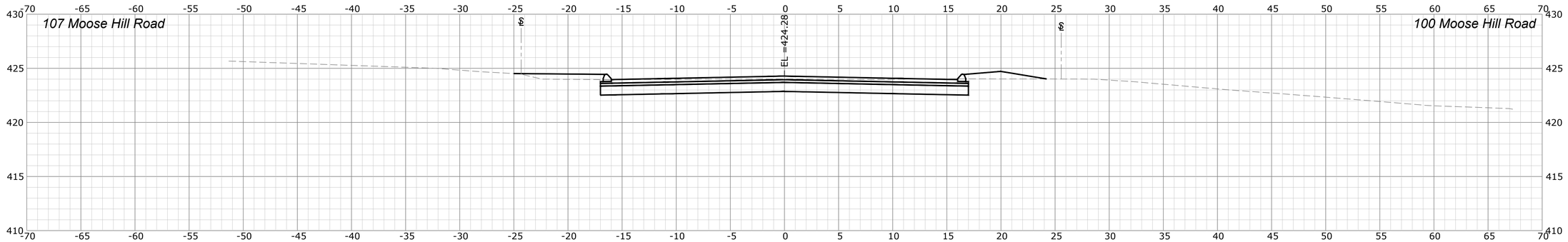
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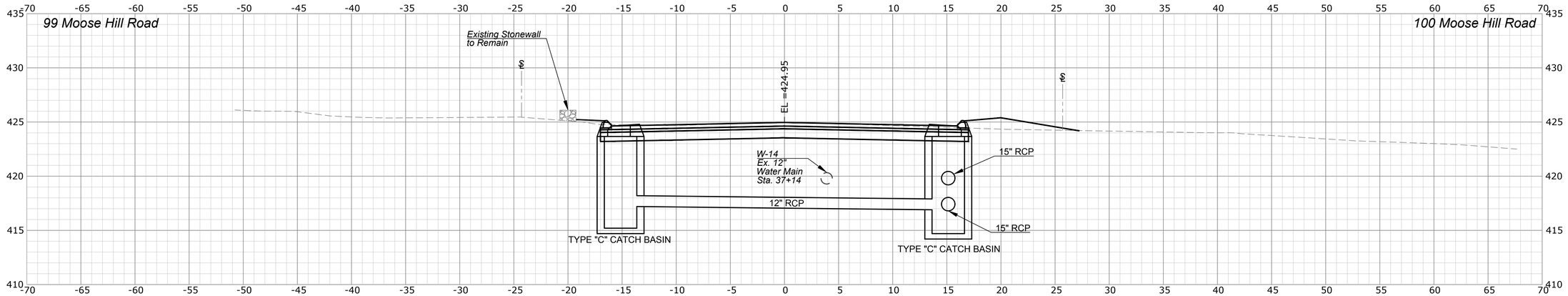
SHEET NO.: 03.90



37+52



37+50



37+20

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

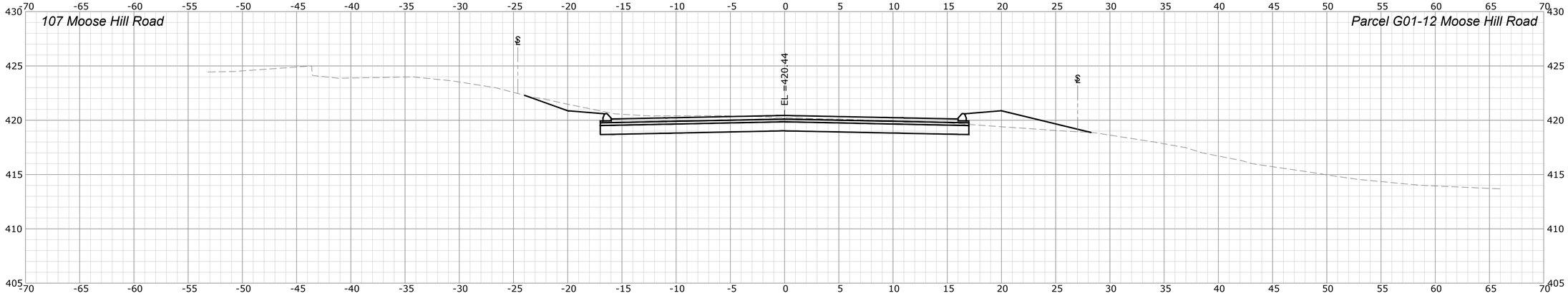
DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 37+20 TO STA. 37+52

PROJECT NO.: L144-0001

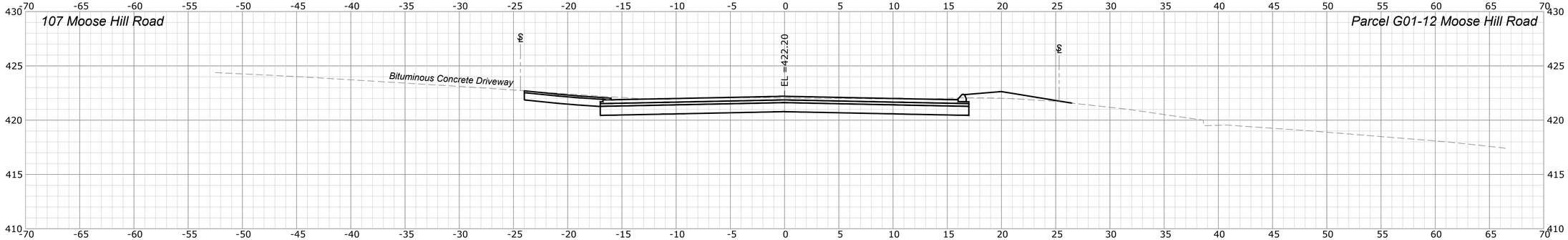
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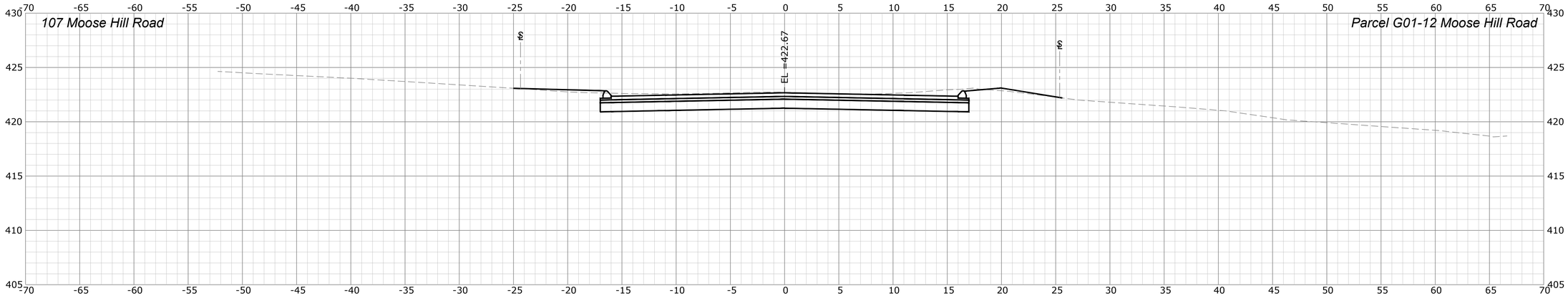
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38+50



38+12



38+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

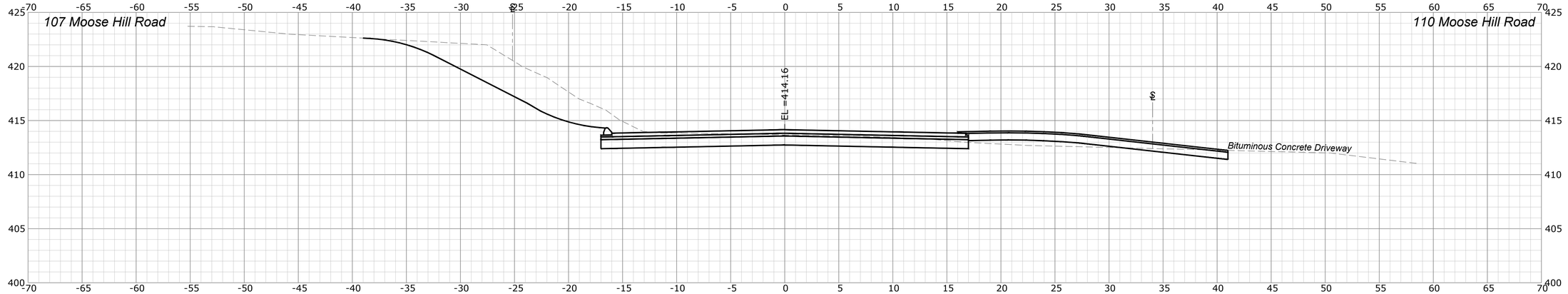
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 38+00 TO STA. 38+50

PROJECT NO.: L144-0001

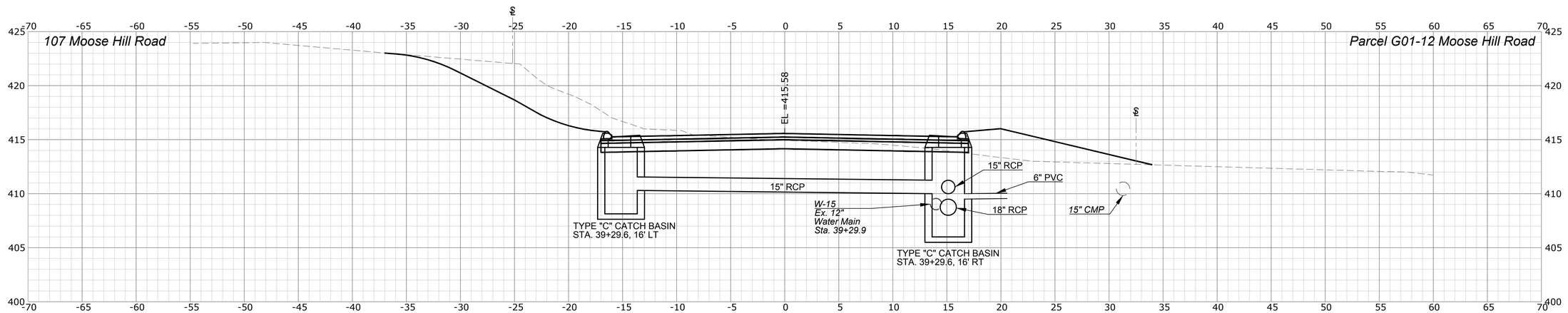
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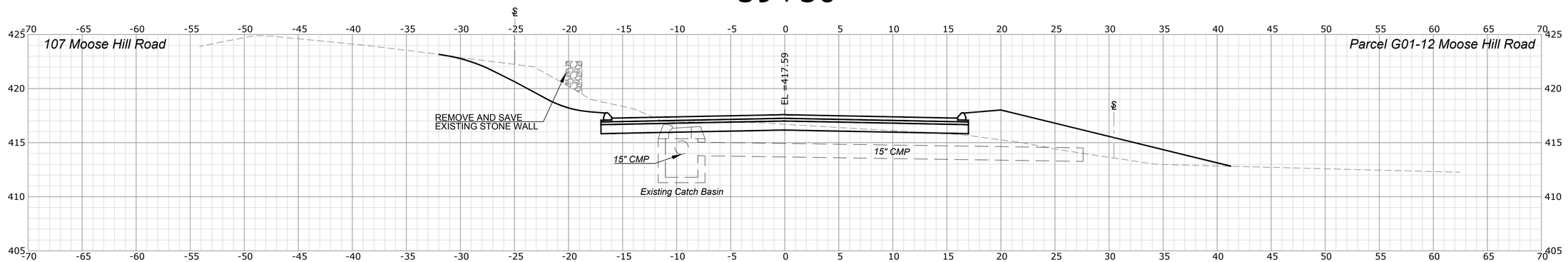
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39+50



39+30



39+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 5 10
SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

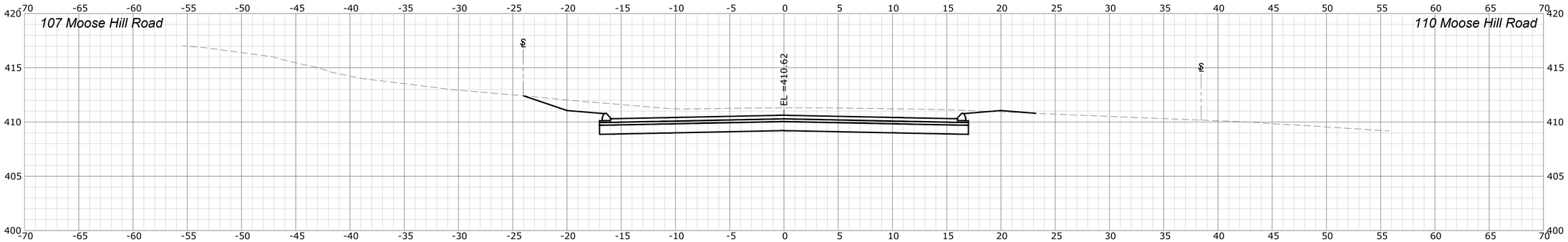
PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

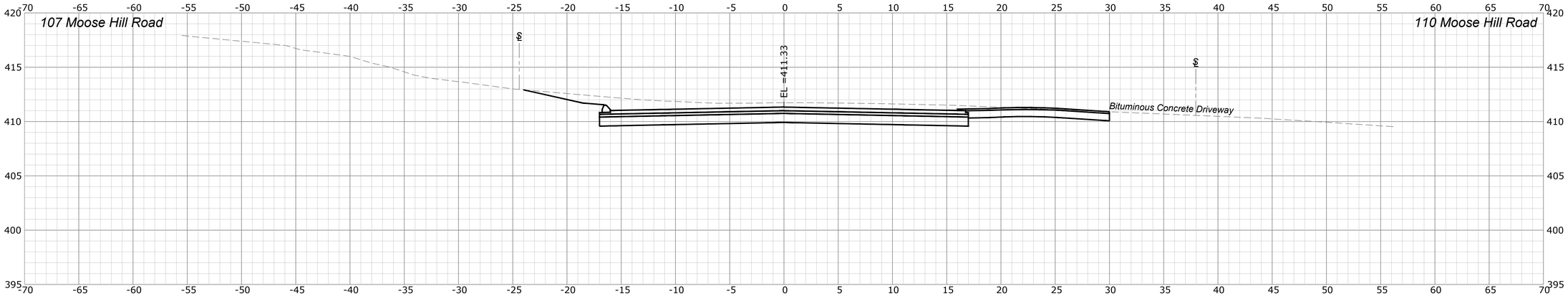
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 39+00 TO STA. 39+50

PROJECT NO.: L144-0001
DRAWING NO.: XSC-35
SHEET NO.: 03.93

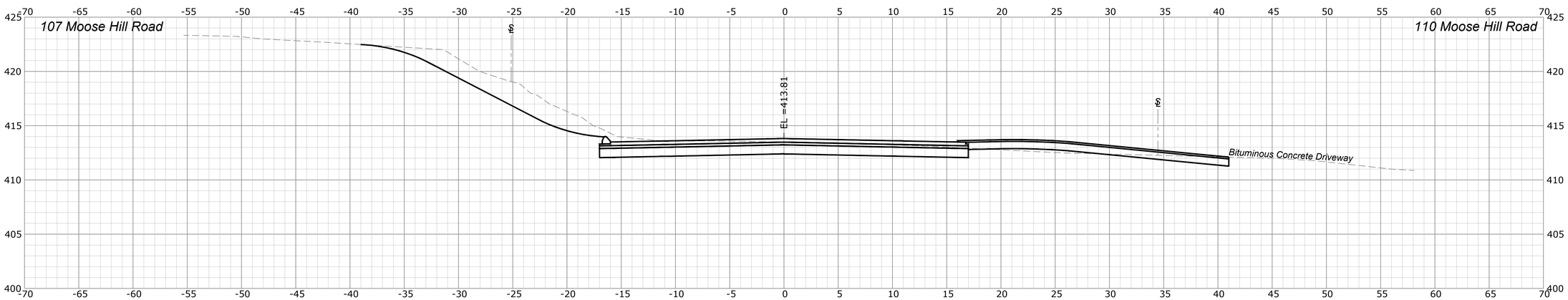
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40+00



39+90



39+55

Q:\Projects\Luchs Projects\1043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Sections\MooseHill_XSC-36.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

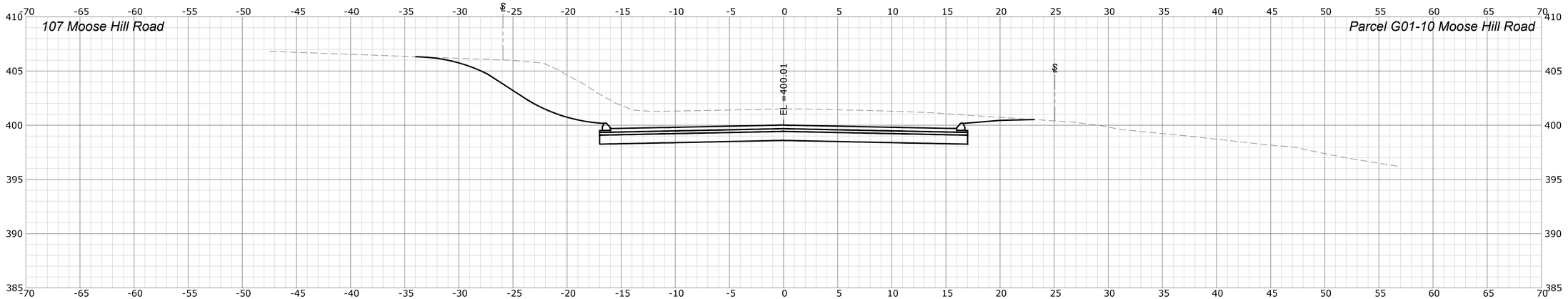
TOWN: TRUMBULL

DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 39+55 TO STA. 40+00

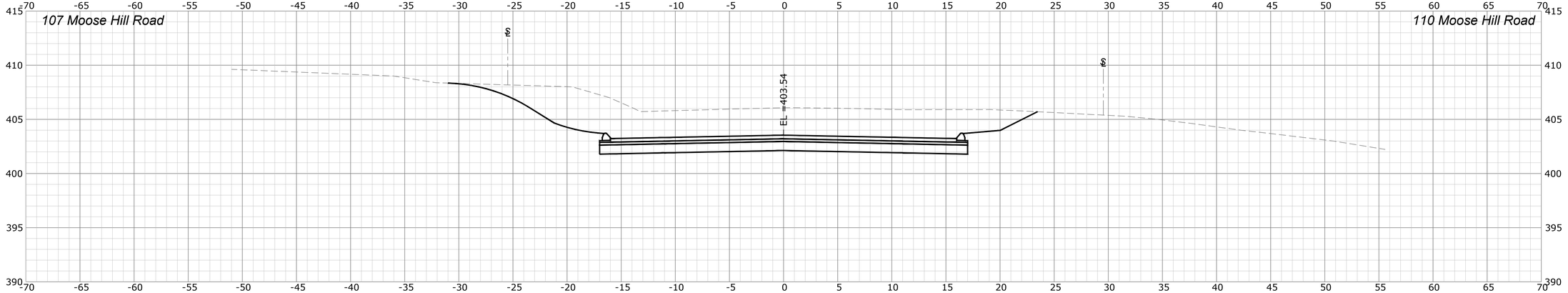
PROJECT NO.: L144-0001

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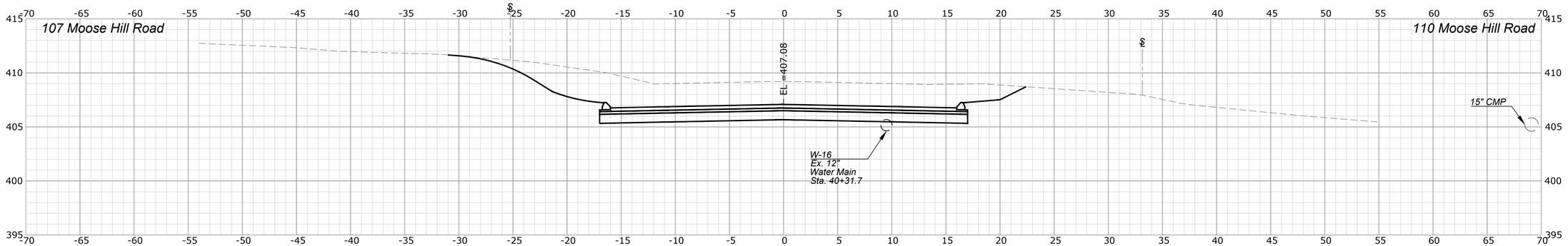
SHEET NO.: 03.94



41+50



41+00



40+50

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

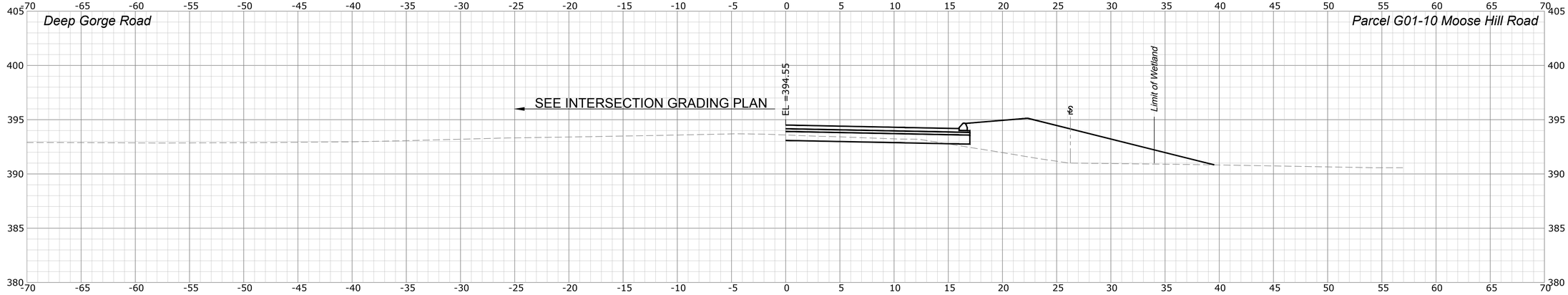
DRAWING TITLE: ROADWAY CROSS SECTIONS MOOSE HILL ROAD - STA. 40+50 TO STA. 41+50

PROJECT NO.: L144-0001

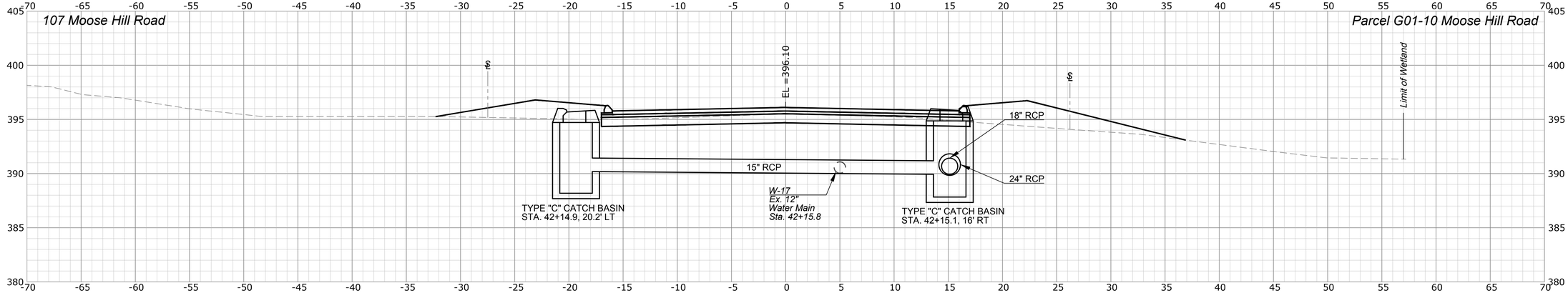
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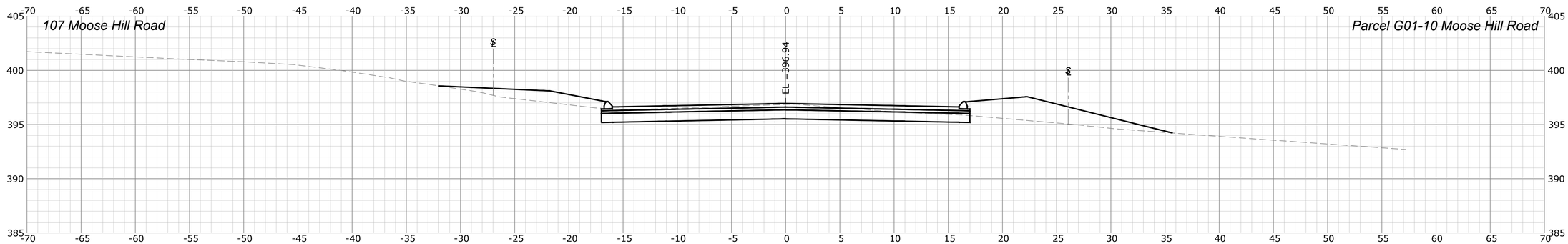
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42+50



42+16



42+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

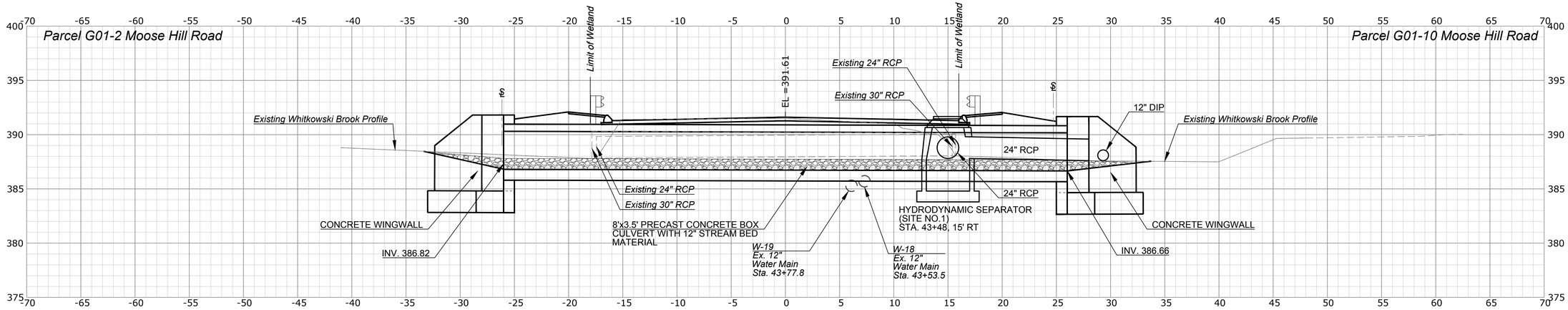
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PROJECT NO.: L144-0001

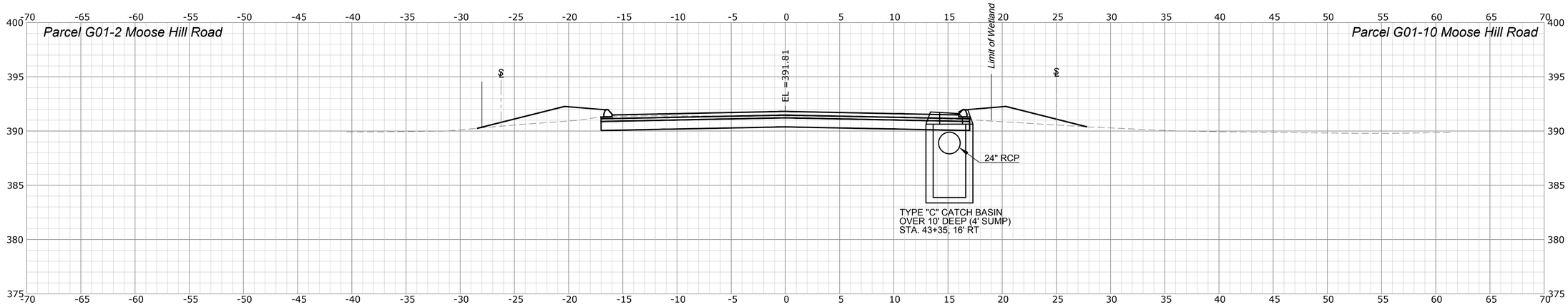
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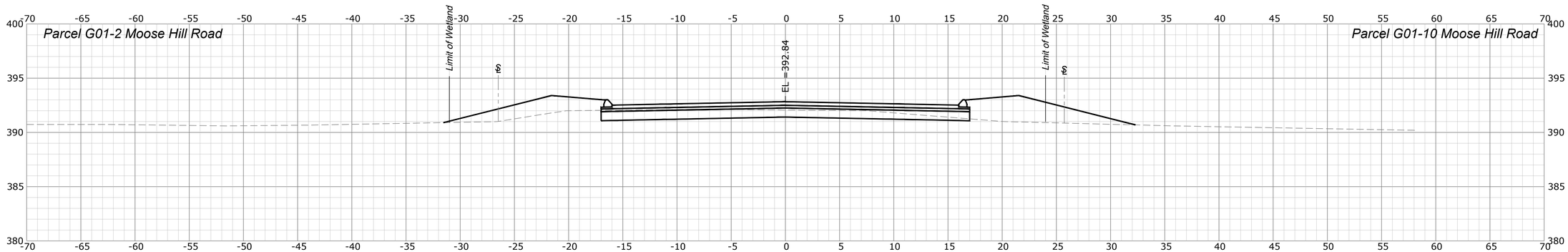
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43+67



43+50



43+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

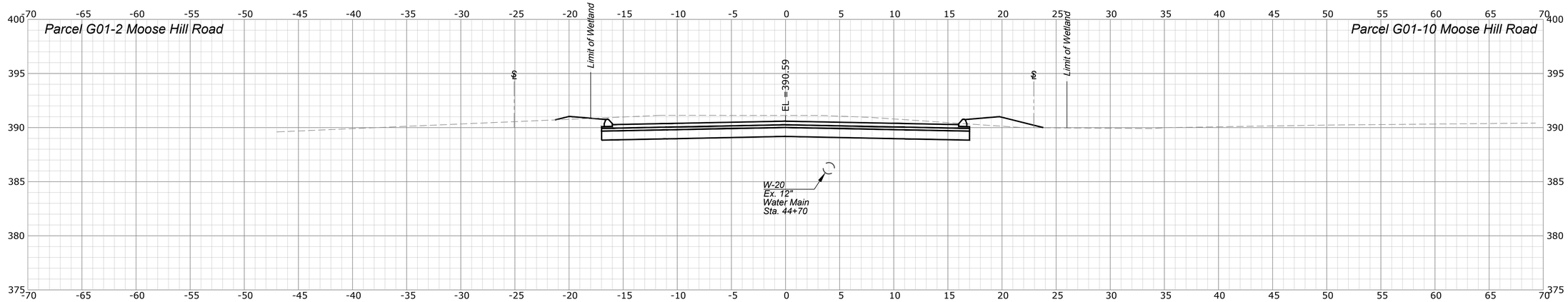
DRAWING TITLE: ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 43+00 TO STA. 43+67

PROJECT NO.: L144-0001

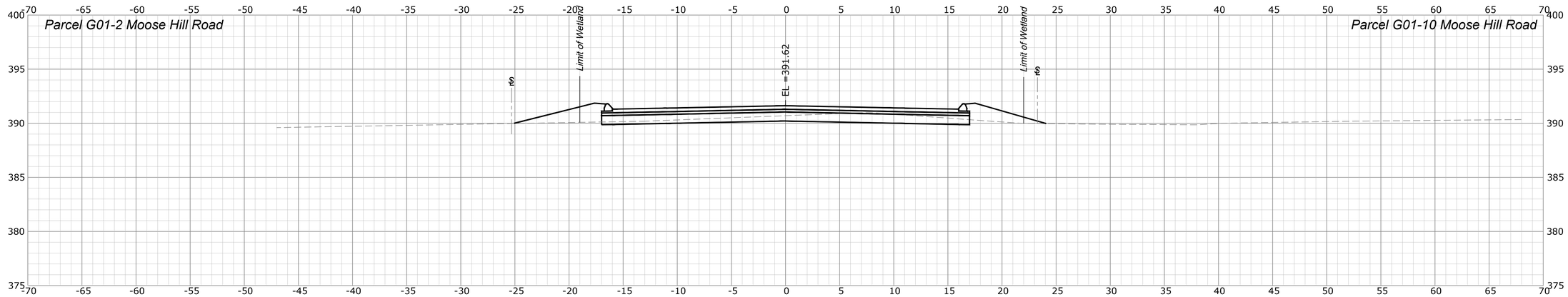
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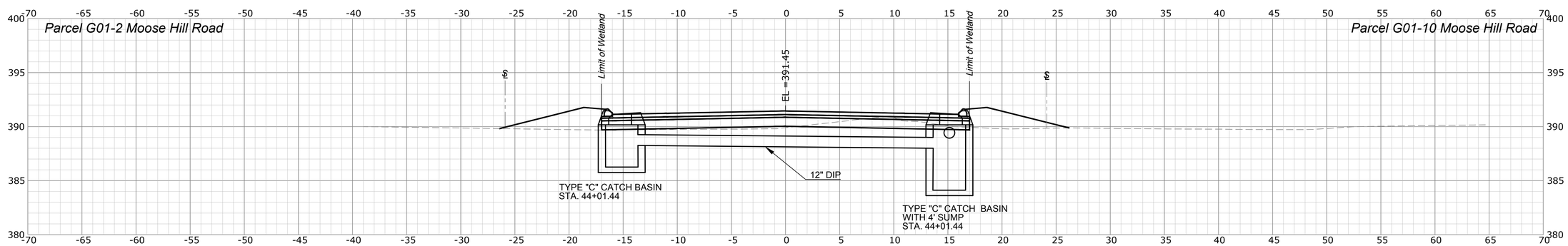
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44+70



44+50



44+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

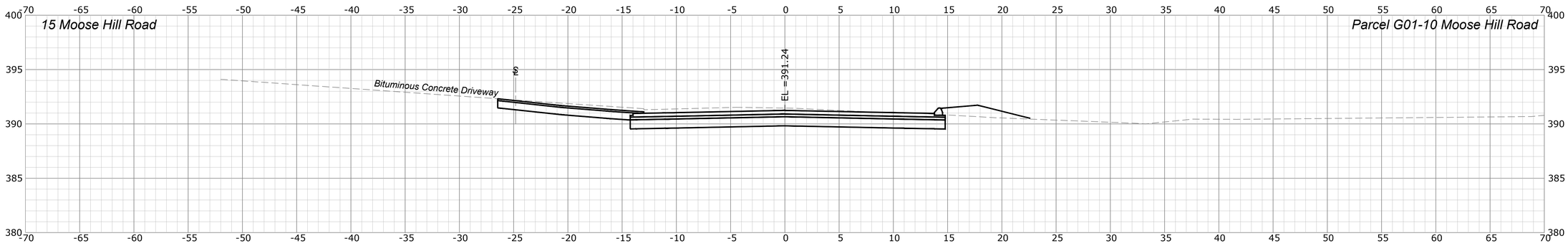
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 44+00 TO STA. 44+70

PROJECT NO.: L144-0001

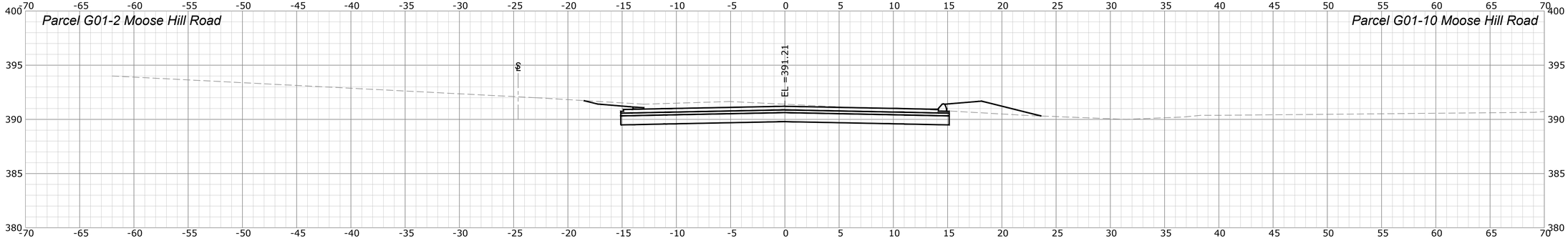
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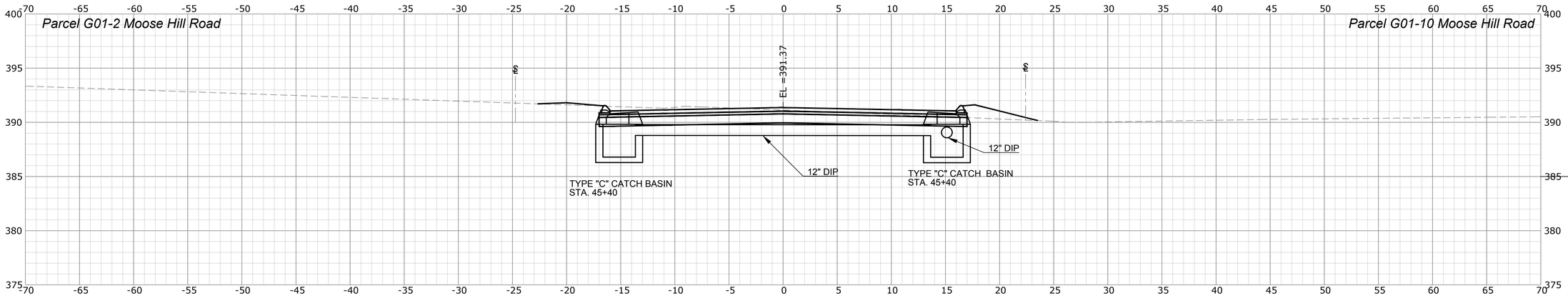
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45+60



45+50



45+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

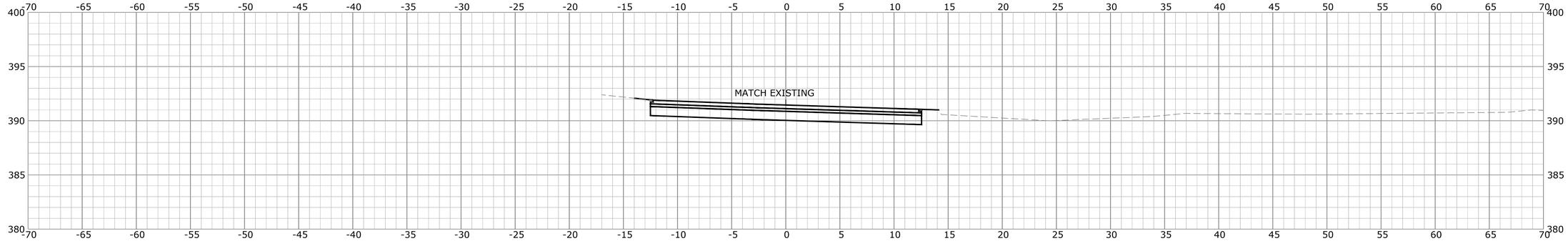
DRAWING TITLE:
ROADWAY CROSS SECTIONS
MOOSE HILL ROAD - STA. 45+00 TO STA. 45+60

PROJECT NO.: L144-0001

DRAWING NO.: XSC-41

SHEET NO.: 03.99

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highway\MSta_Contract_Sheet_Files\Sections\MooseHill_XSC-41.dwg



46+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

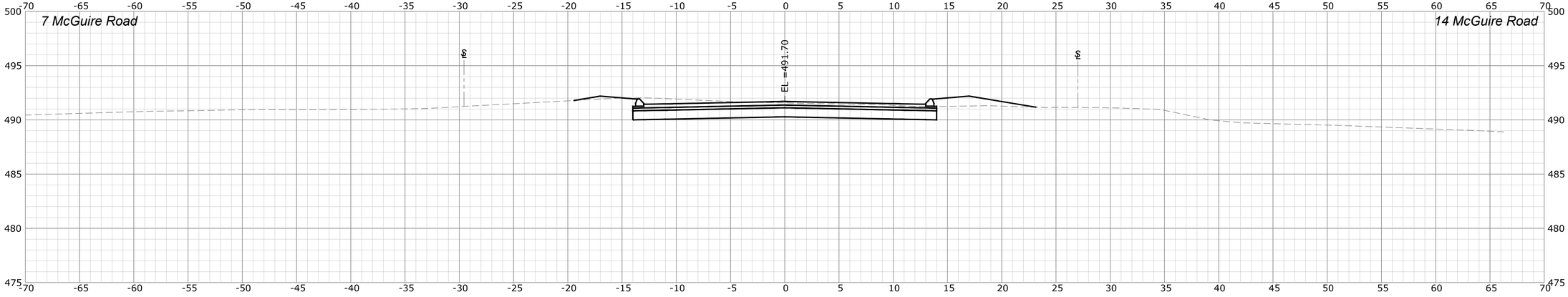
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PROJECT NO.: L144-0001

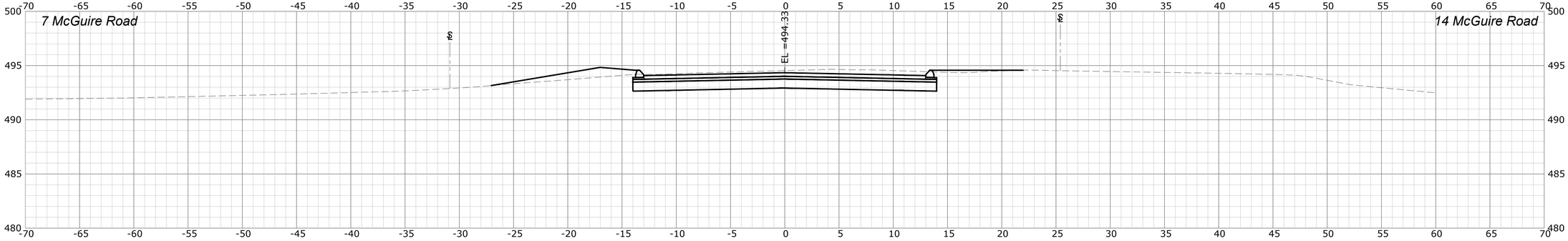
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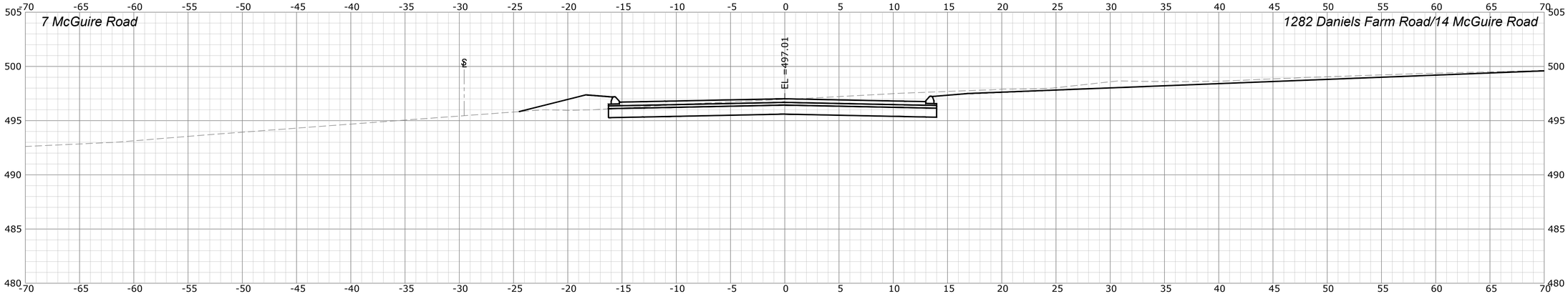
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51+50



51+00



50+50

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

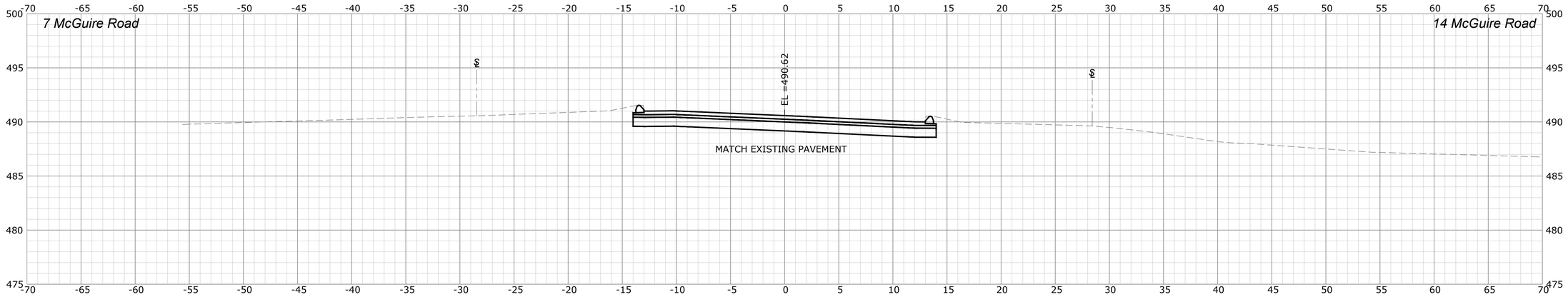
DRAWING TITLE: ROADWAY CROSS SECTIONS McGUIRE ROAD - STA. 50+50 TO STA. 51+50

PROJECT NO.: L144-0001

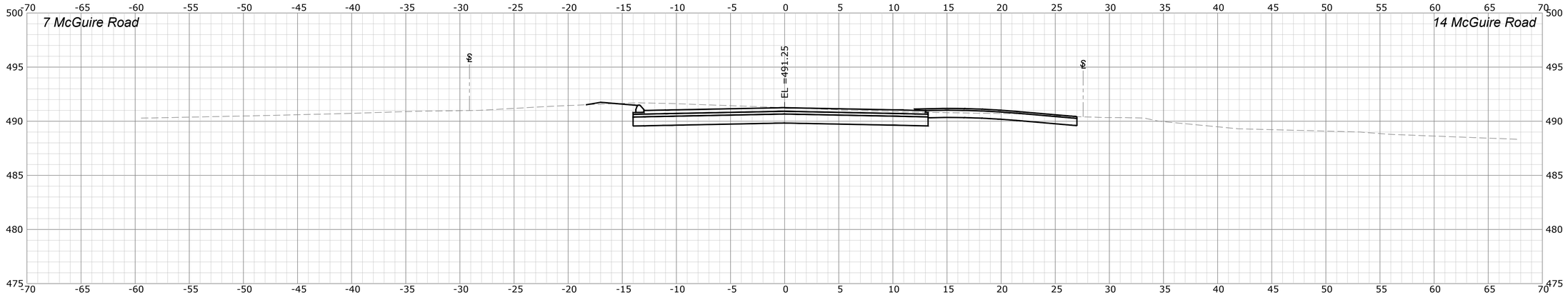
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51+75



51+60

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

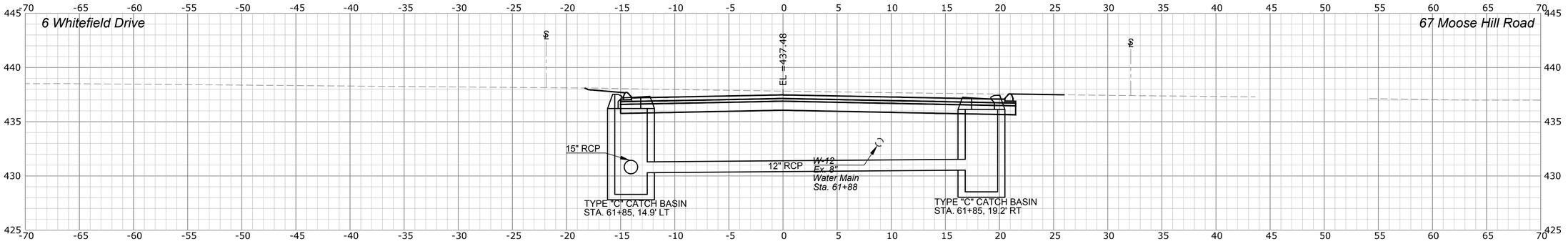
DRAWING TITLE:
ROADWAY CROSS SECTIONS
McGUIRE ROAD - STA. 51+60 TO STA. 51+75

PROJECT NO.: L144-0001

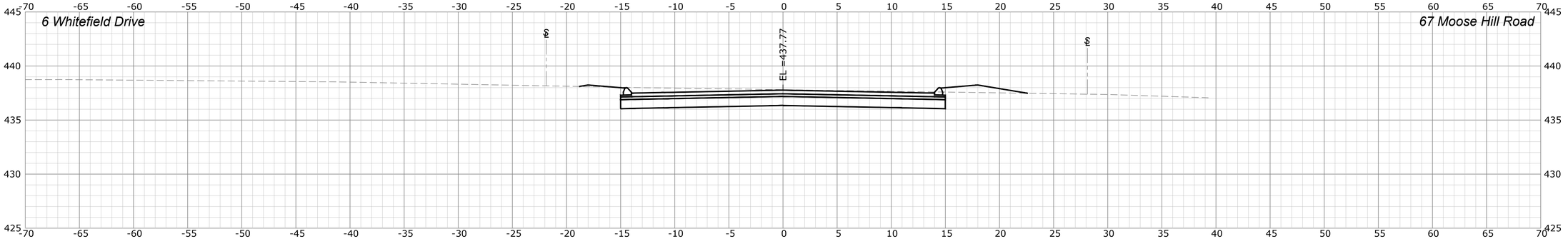
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SHEET NO.: 03.102

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61+86



61+50



61+40

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

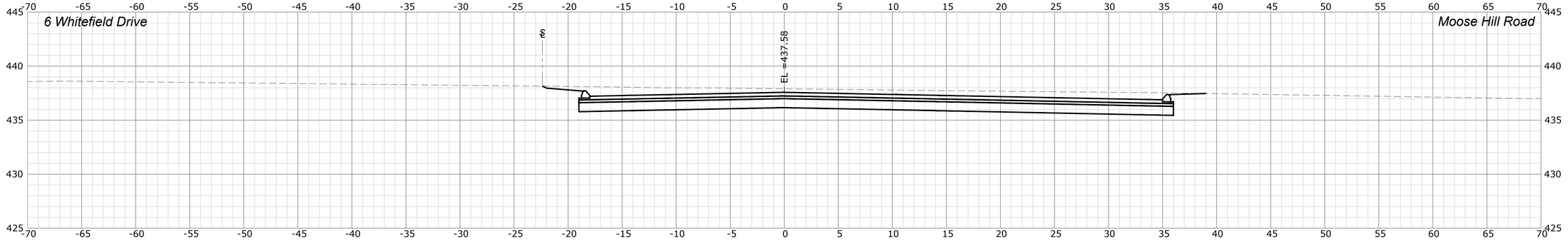
DRAWING TITLE: ROADWAY CROSS SECTIONS WHITEFIELD DRIVE - STA. 61+40 TO STA. 61+86

PROJECT NO.: L144-0001

DRAWING NO.: XSC-45

SHEET NO.: 03.103

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSIa_Contract_Sheet_Files\Sections\MooseHill_XSC-45.dwg



62+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 5 10
SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

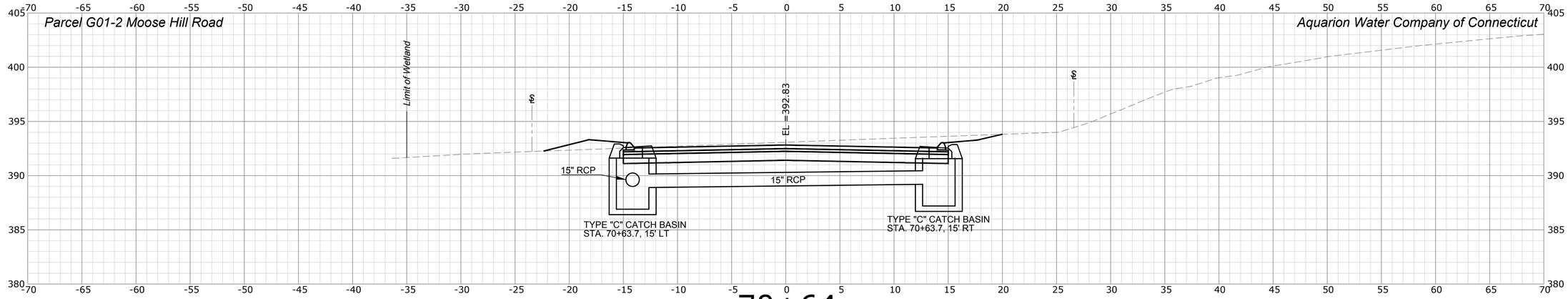
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PROJECT NO.: L144-0001

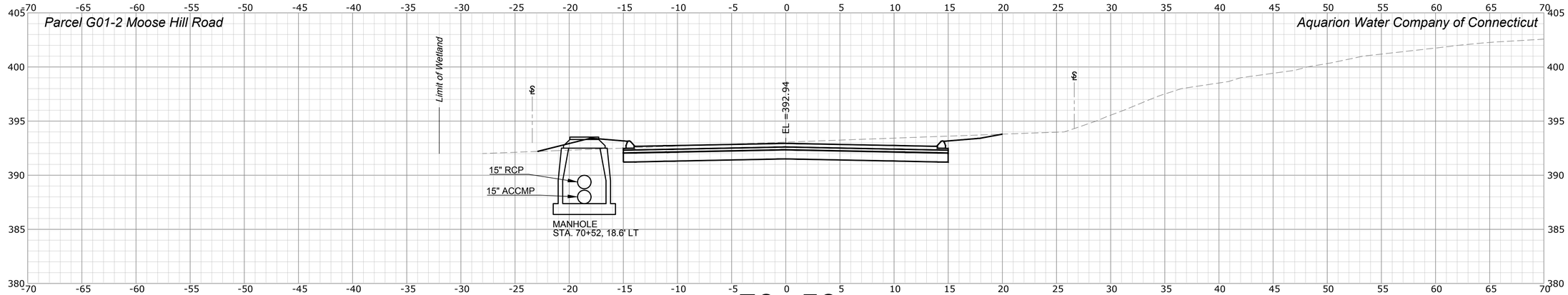
DRAWING NO.: XSC-46

SHEET NO.: 03.104

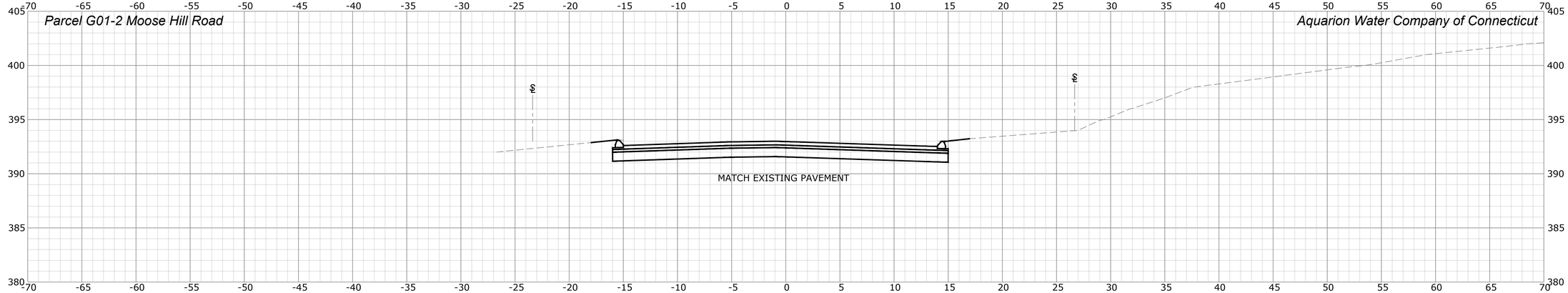
Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highway\MSIa_Contract_Sheet_Files\Sections\MooseHill_XSC-46.dwg



70+64



70+50



70+35

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

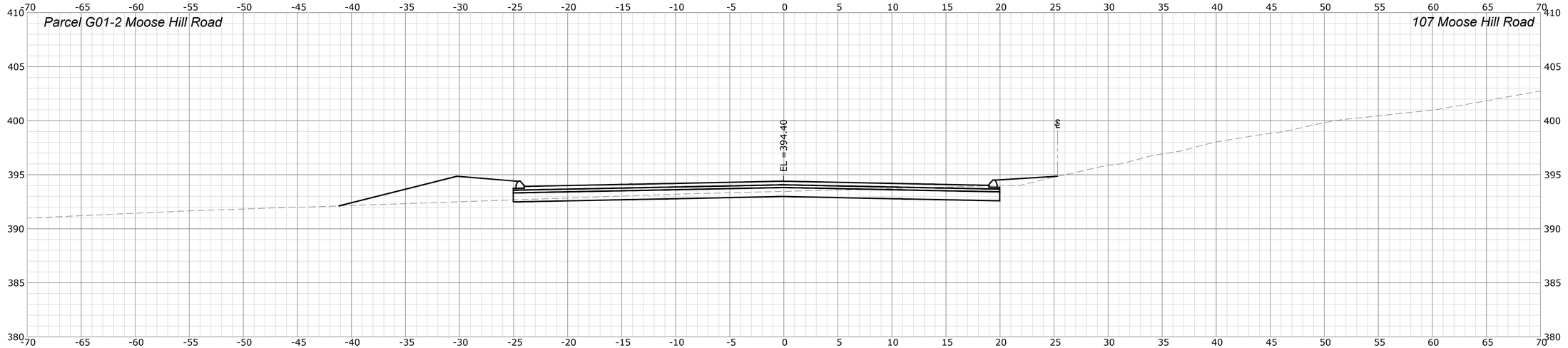
DRAWING TITLE:
ROADWAY CROSS SECTIONS
DEEP GORGE ROAD - STA. 70+35 TO STA. 70+64

PROJECT NO.: L144-0001

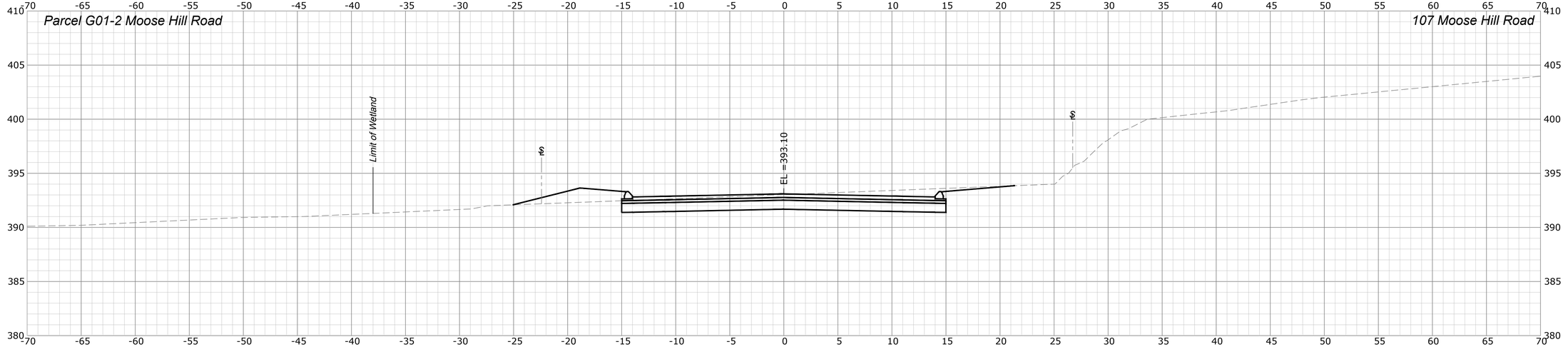
DRAWING NO.: XSC-47

SHEET NO.: 03.105

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSts_Contract_Sheet_Files\Sections\MooseHill_XSC-47.dwg



71+50



71+00

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 5 10

SCALE 1"=5'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY CROSS SECTIONS DEEP GORGE ROAD - STA. 71+00 TO STA. 71+50

PROJECT NO.: L144-0001

DRAWING NO.: XSC-48

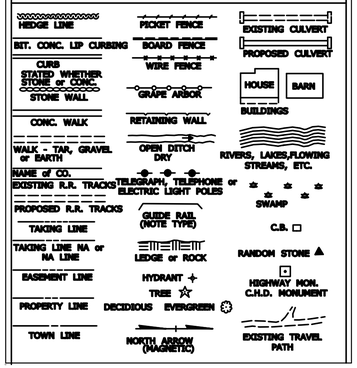
SHEET NO.: 03.106

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Sections\MooseHill_XSC-48.dwg

04 - TRAFFIC
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE
DET-1 TO DET-3	DETOUR PLANS
SPM-1 TO SPM-7	SIGNING AND PAVEMENT MARKING PLANS
TR_GS_01	R-SERIES SIGN TYPICAL DETAILS
TR_GS_02	S & W-SERIES SIGN TYPICAL DETAILS
TR_GS_03	D,E,I, & M-SERIES SIGN TYPICAL DETAILS

STANDARD CONVENTIONS



STANDARD TRAFFIC SIGNAL CONVENTIONS

○	PROPOSED WOOD SPAN POLE
●	EXISTING WOOD SPAN POLE
□	PROPOSED STEEL SPAN POLE
■	EXISTING STEEL SPAN POLE
▨	PROPOSED COMBINATION SPAN POLE
◪	EXISTING COMBINATION SPAN POLE
-⊙-	PROPOSED UTILITY POLE
-●-	EXISTING UTILITY POLE
□	PEDESTAL MOUNTING
⊡	PEDESTAL PUSH BUTTON
-▷	TRAFFIC SIGNAL FACE
-▯	PEDESTRIAN SIGNAL FACE
⊠	CONTROLLER
□	LOOP DETECTOR
⌁	LOOP LEADS IN SAWCUT
■	MAGNETIC DETECTOR
⊡	HANDHOLE
·— —	CONDUIT
-▶	PORCELAIN STRAIN INSULATOR
◆	CABLE CLOSURE

STANDARD SIGNING CONVENTIONS

●—	OVERHEAD INSTALLATION	
●—	CANTILEVER INSTALLATION	
⊥	SIDE MOUNTED INSTALLATION	
⊥	SINGLE POST MOUNTING	REGULATORY, WARNING OR GUIDE SIGN INSTALLATION
⊥⊥	DOUBLE POST MOUNTING	
⊥⊥	AS NOTED - (16H,16E CONSTRUCTION INDENTIFICATION SIGNS)	
ΔG / 00-G	LOCATION NO. / SIGN NO.	

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: SUBSET 04 COVER SHEET

PROJECT NO.: L144-0001

DRAWING NO.: TRA-00

SHEET NO.: 04.01

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSte_Contract_Sheet_Files\Plan\HW_MSH_Subset04.dwg

SIGN SUMMARY

2 x 31-0553*

STOP

3 x 80-9928

MOOSE HILL ROAD
CLOSED AHEAD
LOCAL TRAFFIC ONLY

2 x 80-9929

MOOSE HILL ROAD
CLOSED
MOHEGAN ROAD TO
DEEP GORGE ROAD
LOCAL TRAFFIC ONLY

4 x 80-9080

ROAD
CLOSED

2 x W20-3

ROAD
CLOSED
AHEAD

2 x 80-9708

END
DETOUR

1 x 80-9710

DETOUR

3 x 80-9710

DETOUR

4 x 80-9710

DETOUR

1 x 80-9710

DETOUR

4 x 80-9913

MOOSE HILL ROAD

4 x 80-9933

DETOUR
AHEAD

32 SIGNS TOTAL

REMOVE OR COVER
EXISTING
CONFLICTING SIGNS

* TO BE PAID FOR UNDER
ITEM # 1220027-
CONSTRUCTION SIGNS
BRIGHT FLUORESCENT
SHEETING

SERIES 16-M CONSTRUCTION SIGNS

MOOSE HILL ROAD
CLOSED AHEAD
LOCAL TRAFFIC ONLY

MOOSE HILL ROAD
DETOUR

SERIES 16-M CONSTRUCTION SIGNS

MOOSE HILL ROAD
CLOSED
MOHEGAN ROAD TO
DEEP GORGE ROAD
LOCAL TRAFFIC ONLY

DETOUR AHEAD

DETOUR

DETOUR AHEAD

TOWN OF MONROE
TOWN OF SHELTON

MOOSE HILL ROAD
DETOUR

DETOUR

DETOUR AHEAD

MOOSE HILL ROAD
CLOSED
MOHEGAN ROAD TO
DEEP GORGE ROAD
LOCAL TRAFFIC ONLY

SERIES 16-M CONSTRUCTION SIGNS

TOWN OF MONROE
TOWN OF TRUMBULL

DETOUR

END DETOUR

MOOSE HILL ROAD
CLOSED AHEAD
LOCAL TRAFFIC ONLY

ROAD CLOSED

BARRICADE TYPE III (TYP.) WITH
BARRICADE WARNING LIGHTS
(HIGH INTENSITY)

MOOSE HILL ROAD
DETOUR

ROAD CLOSED AHEAD

STOP

ROAD CLOSED

TEMPORARY PRECAST CONCRETE
BARRIER CURB

WITKOWSKI BROOK

MOOSE HILL ROAD
DETOUR

END DETOUR

TOWN OF SHELTON
TOWN OF TRUMBULL

ROAD CLOSED

STOP

ROAD CLOSED

BARRICADE TYPE III (TYP.) WITH
BARRICADE WARNING LIGHTS
(HIGH INTENSITY)

DETOUR AHEAD

ROAD CLOSED AHEAD

MOOSE HILL ROAD
CLOSED AHEAD
LOCAL TRAFFIC ONLY

SERIES 16-M CONSTRUCTION SIGNS

NOTE:

1. ACTUAL LOCATION OF SERIES 16-M CONSTRUCTION SHALL BE DETERMINED BY THE ENGINEER.

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE AS NOTED

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DETOUR PLAN
FOR WORK DURING THE REPLACEMENT
OF THE CULVERT AT WITKOWSKI BOOK

PROJECT NO.: L144-0001

DRAWING NO.: DET-1

SHEET NO.: 04.02

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSs_Contract_Sheet_Files\Plan\MooseHill_DET-01.dwg

SIGN SUMMARY

2 x 31-0553*

STOP

3 x 80-9928

MOOSE HILL ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY

2 x 80-9929

MOOSE HILL ROAD CLOSED MOHEGAN ROAD TO DEEP GORGE ROAD LOCAL TRAFFIC ONLY

4 x 80-9080

ROAD CLOSED

2 x W20-3

ROAD CLOSED AHEAD

2 x 80-9708

END DETOUR

1 x 80-9710

DETOUR ↑

3 x 80-9710

DETOUR ←

4 x 80-9710

DETOUR →

1 x 80-9710

DETOUR ↰

4 x 80-9913

MOOSE HILL ROAD

4 x 80-9933

DETOUR AHEAD

32 SIGNS TOTAL

REMOVE OR COVER EXISTING CONFLICTING SIGNS

* TO BE PAID FOR UNDER ITEM # 1220027- CONSTRUCTION SIGNS BRIGHT FLUORESCENT SHEETING

NOTE:

1. ACTUAL LOCATION OF SERIES 16-M CONSTRUCTION SHALL BE DETERMINED BY THE ENGINEER.

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE AS NOTED

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DETOUR PLAN FOR WORK BETWEEN WHITEFIELD DRIVE AND DEEP GORGE ROAD

PROJECT NO.: L144-0001

DRAWING NO.: DET-2

SHEET NO.: 04.03

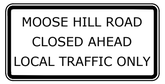
Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\PlanMooseHill_DET-02.dwg

SIGN SUMMARY

2 x 31-0553*



3 x 80-9928



2 x 80-9929



4 x 80-9080



2 x W20-3



2 x 80-9708



1 x 80-9710



3 x 80-9710



4 x 80-9710



1 x 80-9710



4 x 80-9913



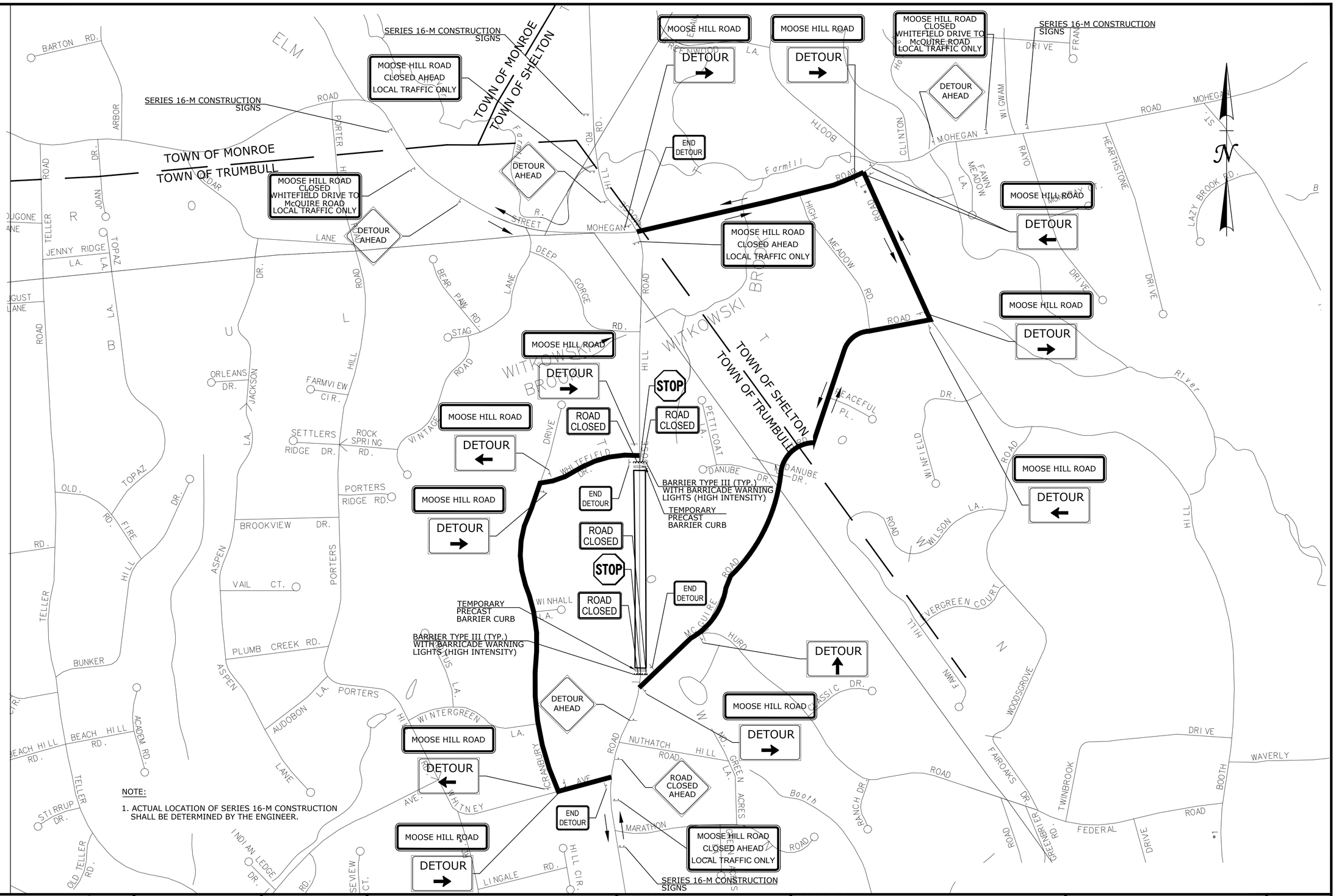
4 x 80-9933



32 SIGNS TOTAL

REMOVE OR COVER
EXISTING
CONFLICTING SIGNS

* TO BE PAID FOR UNDER
ITEM # 1220027-
CONSTRUCTION SIGNS
BRIGHT FLUORESCENT
SHEETING



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE AS NOTED

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: DETOUR PLAN
FOR WORK BETWEEN
WHITEFIELD DRIVE AND McQUIRE ROAD

PROJECT NO.: L144-0001

DRAWING NO.: DET-3

SHEET NO.: 04.04

Q:\Projects\Luchs Projects\3043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\PlanMooseHill_DET-03.dwg

1265 DANIELS FARM ROAD
N/F
ROSE A. FRYE

1279 DANIELS FARM ROAD
N/F
THOMAS A. & LISA J. PICONE
VOL.1579,PG..891

11 MOOSE HILL ROAD
N/F
JOHN C. HOUSTON
VOL.1345,PG.272

13 MOOSE HILL ROAD
N/F
RICHARD & JESSICA GRASSIA
VOL.1612,PG.581

1260 DANIELS FARM ROAD
N/F
PAUL COSTEINES

1282 DANIELS FARM ROAD
N/F
JANET OLSZEWSKI

7 McGUIRE ROAD
N/F
MICHELLE LEWY-ORNITZ TRUSTEE
& ALAN M. ORNITZ TRUSTEE
VOL.1693

14 McGUIRE ROAD
N/F
DAVID R. & DANIELLE R. DELIBRO

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON
& WESLEY DAVID DAYTON
VOL.1170,PG.128

10+00 **DANIELS FARM ROAD**

11+00

12+00

13+00

14+00

15+00

MOOSE HILL ROAD

MCGUIRE ROAD

52+00

51+00

+30

+54

+25

+50

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

END 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

1 51-1356 31-0564 END BIKE LANE

2 31-0552(Z) STOP

12" WHITE EPOXY RESIN PAVEMENT MARKINGS (STOP BAR)

BEGIN 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

BEGIN 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE) MATCH EXISTING

12" WHITE EPOXY RESIN PAVEMENT MARKINGS (STOP BAR)

3 31-0552(Z) STOP

BEGIN 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

12" WHITE EPOXY RESIN PAVEMENT MARKINGS (STOP BAR)

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

wood fence

4 31-0552(Z) STOP

5 31-0564 31-0695 BIKE LANE

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

6 31-5505 SPEED LIMIT 30

McGUIRE ROAD RIGHT ISD >490'

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

END 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE) MATCH EXISTING

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

MATCH LINE DRAWING NO. SPM-2

DR

bit. conc.

row of 6"

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE:
SIGNING AND PAVEMENT MARKING PLAN
MOOSE HILL ROAD
STA. 10+75 TO STA. 16+00

PROJECT NO.: L144-0001
DRAWING NO.: SPM-1
SHEET NO.: 04.05

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSIa_Contract_Sheet_Files\Plan\Moosehill_SPM-01.dwg

17 MOOSE HILL ROAD
N/F
SCOTT C REIS &
JOSEPHINE MARCELLINO-REIS
VOL.1468,PG.28

19 MOOSE HILL ROAD
N/F
DIANE R. OLSEN
VOL.1359,PG.295

MOOSE HILL ROAD
N/F
C & MARY ANN RUOSPO
VOL.976,PG.02

31 MOOSE HILL ROAD
N/F
JASON BURNSIDE
VOL.1620,PG.490

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON
& WESLEY DAVID DAYTON
VOL.1170,PG.128

26 MOOSE HILL ROAD
N/F
KIMBERLY ATHERTON
VOL.1558,PG.165

7
31-0564
31-0695
BIKE LANE

8
31-0564
31-0695
BIKE LANE

4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE) (TYP.)

4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE) (TYP.)

4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE) (TYP.)

MOOSE HILL ROAD

17+00 18+00 19+00 20+00

5' 11' 11' 5'

DR

bit. conc.

grass

evergreens

bushes

garden

water meter

rock outcrop

24" maple 24" maple 24" maple

MATCH LINE DRAWING NO. SPM-2

MATCH LINE DRAWING NO. SPM-4

MOOSE HILL ROAD

22+00 23+00 24+00 25+00 26+00

5' 11' 11' 5' 5' 11' 11' 5'

4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE) (TYP.)

4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE) (TYP.)

4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE) (TYP.)

9 31-0564 31-0695 BIKE LANE

10 31-0564 31-0695 BIKE LANE

11 31-0564 31-0695 BIKE LANE

12 31-0564 31-0695 BIKE LANE

39 MOOSE HILL ROAD N/F ANNE E.GALLAGHER VOL.356,PG.303

41 MOOSE HILL ROAD N/F JAMES & MARIE CULLAGH VOL.276,PG.85

49 MOOSE HILL ROAD N/F JOSEPH J. & DEBORAH E. HYATT VOL.1327,PG.664

42 MOOSE HILL ROAD N/F BERNICE URBAN TRUSTEE VOL.1480,PG.634

36 MOOSE HILL ROAD N/F JOHN R. BLACKWELL VOL.1636,PG.64

46 MOOSE HILL ROAD N/F MICHAEL J. & ANNA M. VIOLA VOL.970,PG.233

56 MOOSE HILL ROAD N/F LAUREN & LUIS HUERTA VOL.1562,PG.936

Kwanzan Cherry

20" Oak

Pine

rock outcrop

bit. conc.

gravel

grass

garden

Pillar

bushes and brush

DR

Q:\Projects\Luchs Projects\1043 Moose Hill Road\Highways\MSIa_Contract_Sheet_Files\Plan\MooseHill_SPM-03.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: SIGNING AND PAVEMENT MARKING PLAN MOOSE HILL ROAD STA. 21+00 TO STA. 26+50

PROJECT NO.: L144-0001

DRAWING NO.: SPM-3

SHEET NO.: 04.07

MOOSE HILL ROAD

MATCH LINE DRAWING NO. SPM-3

MATCH LINE DRAWING NO. SPM-5

WHITEFIELD DRIVE

55 MOOSE HILL ROAD
N/F
ZBIGNIEW NOGA & ZDZISLAWA NOGA
VOL.438,PG.493

59 MOOSE HILL ROAD
N/F
ANNA PAVLOV
VOL.1089,PG.644

63 MOOSE HILL ROAD
N/F
EMINA COOK
VOL.1431,PG.747

67 MOOSE HILL ROAD
N/F
RICHARD J. PACELLI
&JENNIFER K. PACELLI
VOL.930,PG.25

62 MOOSE HILL ROAD
N/F
MATTHEW ALMY & JULIE ENTWISLE
VOL.1412,PG.642

70 MOOSE HILL ROAD
N/F
MICHAEL T. & DANIELLE T.
PELLICONE
VOL.1196,PG.764

76 MOOSE HILL ROAD
N/F
GEORGE JR. & MATILDA JACOBS
VOL.192,PG.195

4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE) (TYP.)

4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE) (TYP.)

END 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

4" WHITE EPOXY RESIN PAVEMENT MARKINGS (STOP BAR)

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

END 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

BEGIN 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

BEGIN 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

STOP 16 31-0552(Z)

SPEED LIMIT 30 14 31-5505

13 31-0564 31-0695 BIKE LANE

15 31-0564 31-0695 BIKE LANE

17 31-0564 31-0695 BIKE LANE

27+00 28+00 29+00 30+00 31+00 +65 +89 +15 61+00 +70 62+00 +16 +3 32

4' 11' 11' 4'

5' 11' 11' 5'

DR

gravel garden bit. conc. grass trees and brush water meter bit. curb planting area

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

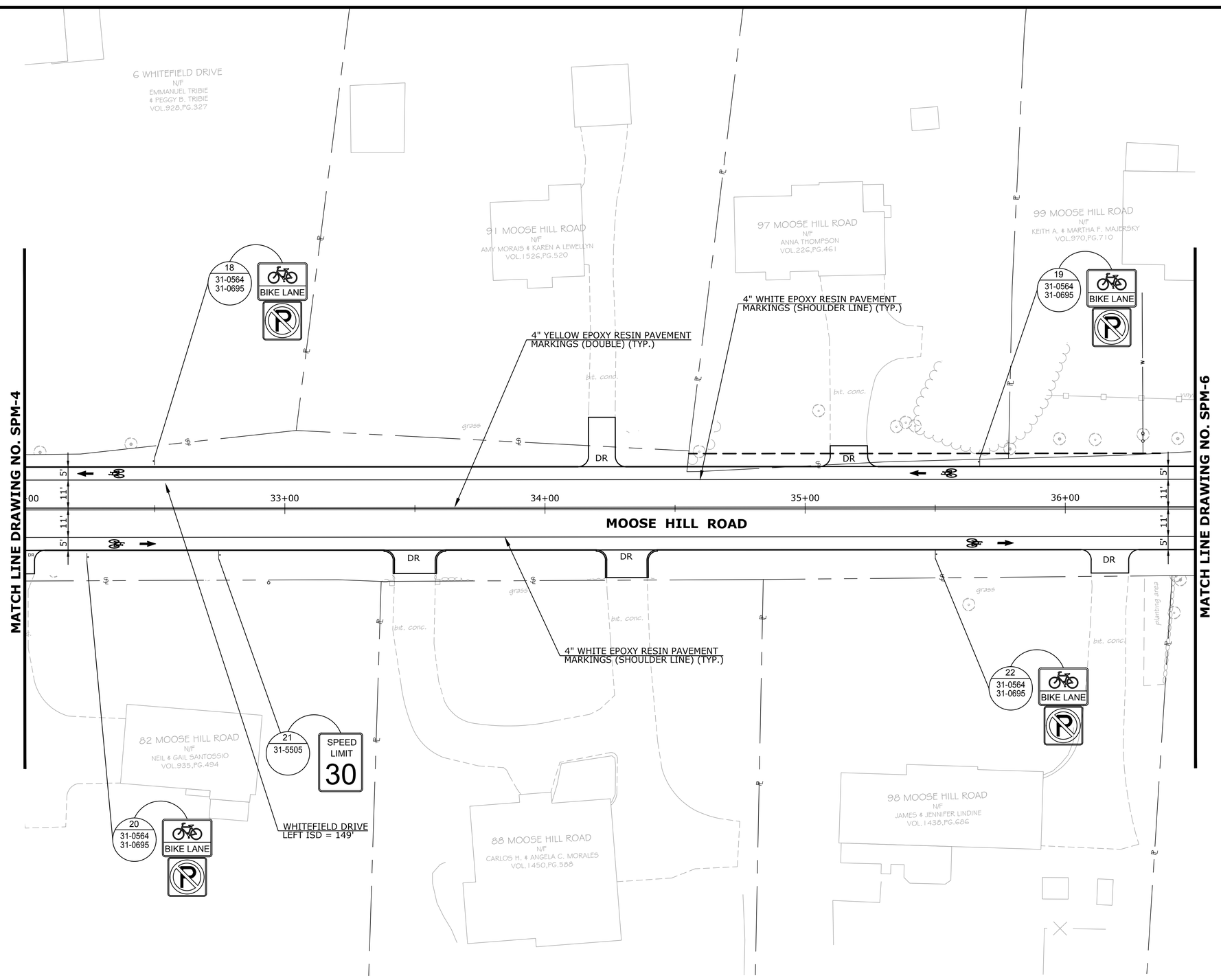
DRAWING TITLE: SIGNING AND PAVEMENT MARKING PLAN MOOSE HILL ROAD STA. 26+50 TO STA. 32+00

PROJECT NO.: L144-0001

DRAWING NO.: SPM-4

SHEET NO.: 04.08

D:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Plan\MooseHill_SPM-04.dwg



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

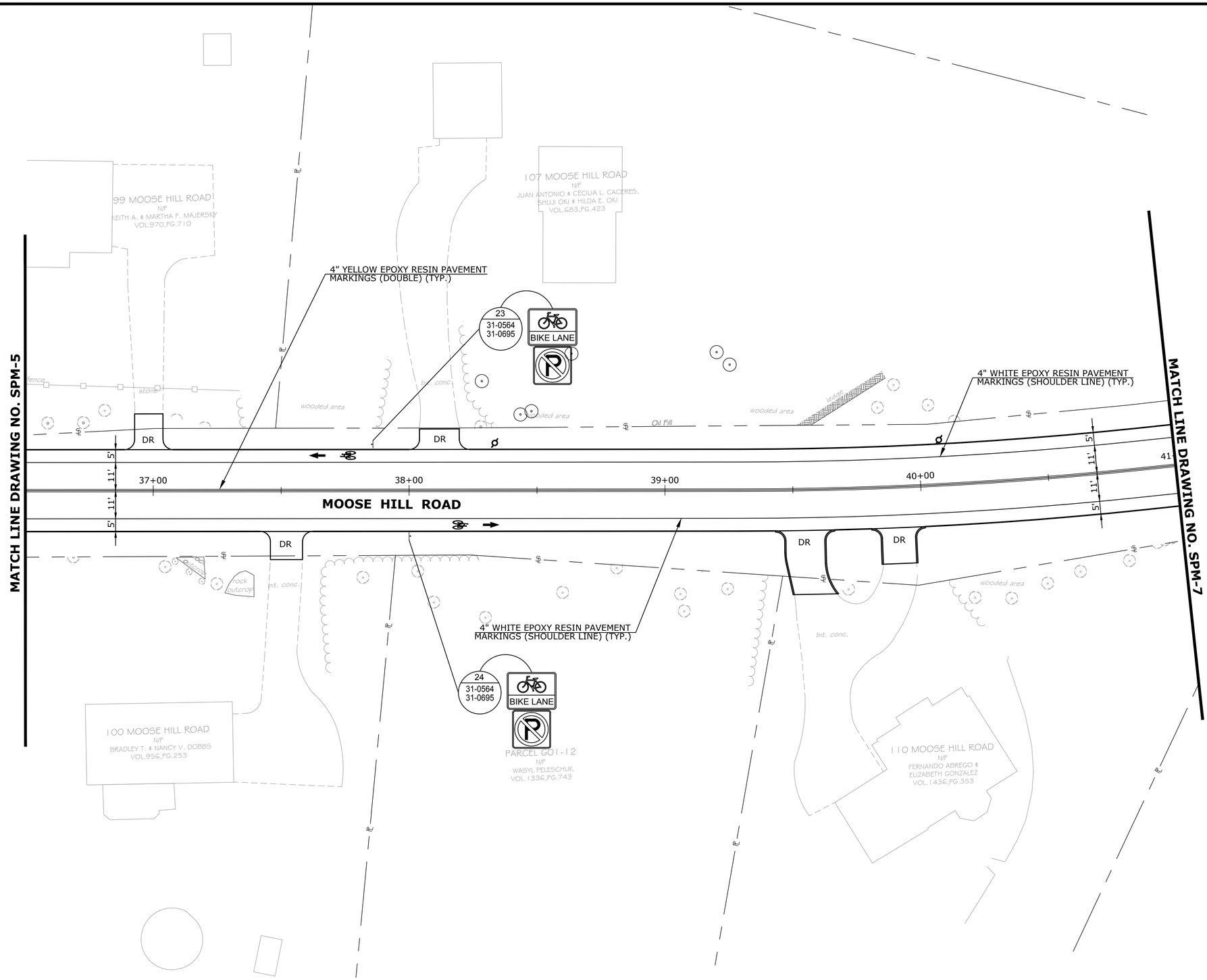
PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE:
SIGNING AND PAVEMENT MARKING PLAN
MOOSE HILL ROAD
STA. 32+00 TO STA. 36+50

PROJECT NO.: L144-0001
DRAWING NO.: SPM-5
SHEET NO.: 04.09

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE:
SIGNING AND PAVEMENT MARKING PLAN
MOOSE HILL ROAD
STA. 36+50 TO STA. 41+00

PROJECT NO.: L144-0001
DRAWING NO.: SPM-6
SHEET NO.: 04.10

Q:\Projects\Luchs Projects\1043 Moose Hill Road\Highways\MSIs_Contract_Sheet_Files\Plan\MooseHill_SPM-06.dwg

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

END 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

BEGIN 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

12" WHITE EPOXY RESINPAVEMENT MARKINGS (STOP BAR)

DEEP GORGE ROAD

70+00

71+00

+45

4' 11' 11' 4

STOP

27
31-0552(Z)

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

BEGIN 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

25
31-5505

SPEED LIMIT 30

26
31-0564
31-0695

BIKE LANE

MATCH LINE DRAWING NO. SPM-6

42+00 +16 +60 +85 43+00 44+00 45+00 46+00 +24 47+00

MOOSE HILL ROAD

5' 11' 11' 5'

PARCEL G01-2
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

15 MOOSE HILL ROAD
N/F
MARK A. & CHARLENE GARAMELLA

28
31-0564
31-0695

BIKE LANE

TRUMBULL
SHELTON

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE) MATCH EXISTING

DR

vinyl fence

UI 4242

wooded area

END 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE) MATCH EXISTING

END 4" WHITE EPOXY RESIN PAVEMENT MARKINGS (SHOULDER LINE)

TOWN LINE

PARCEL G01-10
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

30
31-5505

SPEED LIMIT 30

TRUMBULL
SHELTON

31
51-1356
31-0564

END
BIKE LANE

WITKOWSKI BROOK

BEGIN 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

PARCEL G01-1
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

29
31-0564
31-0695

BIKE LANE

END 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS (DOUBLE)

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE:
SIGNING AND PAVEMENT MARKING PLAN
MOOSE HILL ROAD
STA. 41+00 TO STA. 46+00

PROJECT NO.: L144-0001
DRAWING NO.: SPM-7
SHEET NO.: 04.11

Q:\Projects\Luchs Projects\1043 Moose Hill Road\Highways\MSIs_Contract_Sheet_Files\Plan\MooseHill_SPM-07.dwg

R1 - SERIES

R1-1 *



LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.31	24	31-0536	1	.080
5.19	30	31-0552	1	.080
7.98	36	31-0553	1	.080
13.3	48	31-0557	2	.100

R1-2 *



LEGEND - RED
BACKGROUND -WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.90	36	31-0523	1	.080
6.77	48	31-0522	2B	.100
10.83	60	31-0528	2B	.100

R1-3 *



LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	31-0508		.080

R2 - SERIES

R2-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-5505	1	.080
7.50	30X36	31-5504	1	.080
12.00	36X48	31-5506	2	.100
20.00	48X60	31-5507	2B	.100

R3 - SERIES

R3-1



31-1604 OVERHEAD MTD
LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1604		.080
6.25	30X30	31-1617	1	.080
5.00	30X24	31-1618		.080
9.00	36X36	31-1627	2	.080
7.50	36X30	31-1628		.080

R3-2



31-1603 OVERHEAD MTD
LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1603		.080
6.25	30X30	31-1619	1	.080
5.00	30X24	31-1620		.080
9.00	36X36	31-1629	2	.080
7.50	36X30	31-1630		.080

R3-3



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1648	1	.080
9.00	36X36	31-1647	2	.080

R3-4



LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

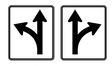
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1622	1	.080
9.00	36X36	31-1632	2	.080

R3-5



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-0135L	1	.080
4.00	24X24	31-0138R	1	.080
7.50	30X36	31-0183L	1	.080
7.50	30X36	31-0184R	1	.080

R3-6



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0157L	1	.080
7.50	30X36	31-0158R	1	.080

R3-7L

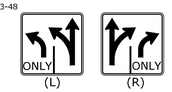


R3-7R



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0117L	1	.080
6.25	30X30	31-0118R	1	.080
9.00	36X36	31-0120L	2	.080
9.00	36X36	31-0123R	2	.080

R3-48



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0262L	1	.080
6.25	30X30	31-0261R	1	.080



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-0125	1	.080
6.25	30X30	31-0165	1	.080
7.50	30X36	31-0175	1	.080



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-0290	1	.080



31-0222 31-0223

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0279	2	.100





31-0282 31-0283



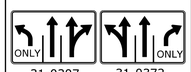
31-0295 31-0219

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

R3-8b

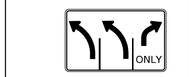


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30	31-0302	2	.100

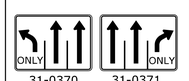


31-0307 31-0372

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30		2	.100

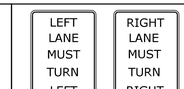


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0334	2	.100



31-0370 31-0371

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30		2	.100



R4 - SERIES

R4-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1502	1	.080



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1574	2B	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1504	2B	.100

R4-3



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1562	1	.080
20.00	48X60	31-1564	2B	.100

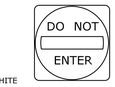
R4-7



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1526	1	.080
12.00	36X48	31-1536	2	.100
20.00	48X60	31-1546	2B	.100

R5 - SERIES

R5-1 *



LEGEND - WHITE
BACKGROUND - WHITE
CIRCLE - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-1119	1	.080
9.00	36X36	31-1120	2	.080
16.00	48X48	31-1121	2	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-1775	2	.100

R5-1a *



LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	36X24	31-1122	2	.080
8.75	42X30	31-1123	2	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1790	1	.080
20.00	48X60	31-1792	2B	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
27.00	54X72	31-1719	2B	.125



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-1702	1	.080

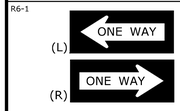
R5-10c



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	31-1774	1	.080

R6 - SERIES

R6-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1188L	1	.080
3.00	36X12	31-1177R	1	.080
6.75	54X18	31-1189L	2	.100
6.75	54X18	31-1178R	2	.100

R7 - SERIES



LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	12X24	31-0629	1	.080

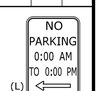
R7-1



LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0630	1	.080

R7-2a



LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0603	1	.080

R8 - SERIES

R8-7



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	48X36	31-0670	2	.100

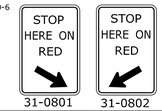
R9 - SERIES



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
27.50	66X60	31-1733	2B	.125

R10 - SERIES

R10-6



31-0801 31-0802

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	24X36		1	.080

R10-11b



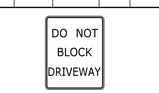
OVERHEAD MOUNTED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-0823		.080
9.00	36X36	31-0816	2	.080



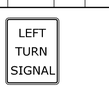
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0847	1	.080
20.00	48X60	31-0849	2B	.100

R10-1



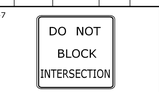
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0803	1	.080
12.00	36X48	31-0804	2	.100

R10-10L



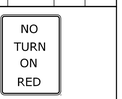
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0842		.080
7.50	30X36	31-0852	1	.080

R10-7



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0806	1	.080
12.00	36X48	31-0807	2	.100

R10-11a



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0830	1	.080
12.00	36X48	31-0819	2	.100

R11 - SERIES

R11-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1915	1	.080
20.00	48X60	31-1918	2B	.100

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.00	4X36	31-5003	1	.080
2.00	4X72	31-5004	1	.080
2.67	4X96	31-5005	1	.080

NOTES:

FOR METRIC SEE CONVERSION CHART.

1. THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R- SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
2. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
3. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
4. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
5. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
6. FOR OVERHEAD MOUNTED SIGNS, SEE STANDARD SHEET TR-1114_01 - "BONDING AND UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAIL."

COLORS:

BACKGROUND - WHITE (SILVER) - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION
5	6-2015	REVISED DRAWING NO.
4	5-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
3	6-2012	REVISED NOTE #1 TO REFERENCE "O.S.T.A."
2	6-2010	INCLUDED SIGNS TO MEET 2009 MUTCD REQUIREMENTS.
1	1-2010	REVISED SHEETING FROM TYPE I TO III.

METRIC CONVERSION CHART (1" = 25mm)

ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC
12"	300	42"	1050	72"	1800
18"	450	48"	1200	78"	1950
24"	600	54"	1350	84"	2100
30"	750	60"	1500	90"	2250
36"	900	66"	1650	96"	2400

DESIGNER/DRAFTER: D. K. SWINBURNE
CHECKED BY: L.N. CONROY
Plotted: 4/11/2018

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_GS.dgn

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE:
SIGN FACE SHEET ALUMINUM R-SERIES SIGNS TYPICAL DETAILS

PROJECT NO. L144-0001
DRAWING NO. TR-GS_01
SHEET NO. 04.12

S - SERIES

S1-1 *



LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	36	41-2112	1	.080
12.00	48	41-2113	2	.100

W1 - SERIES

W1-1L



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4006	1	.080
9.00	36	41-4031	1	.080
16.00	48	41-4056	2	.100

W1-1R



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4005	1	.080
9.00	36	41-4160	1	.080
16.00	48	41-4055	2	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4141L	1	.080
9.00	36	41-4140R	1	.080
16.00	48	41-4062L	2	.100
16.00	48	41-4061R	2	.100

W1-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4028	1	.080
9.00	36	41-4084	1	.080
16.00	48	41-4068	2	.100

W1-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4027	1	.080
9.00	36	41-4083	1	.080
16.00	48	41-4067	2	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.0	36	41-4139L	1	.080
9.0	36	41-4140R	1	.080
16.00	48	41-4088L	2	.100
16.00	48	41-4087R	2	.100

W1-6



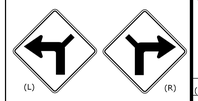
(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4222	2	.100
12.50	60X30	41-4224	2	.100

W1-7



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.00	48X24	41-4207	2	.100
12.50	60X30	41-4208	2	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4128L	1	.080
9.00	36	41-4127R	1	.080
16.00	48	41-4058L	2	.100
16.00	48	41-4057R	2	.100

W1-8



(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	41-4250	1	.080
5.00	24X30	41-4203	1	.080
7.50	30X36	41-4204	1	.080
12.00	36X48	41-4251	2	.080

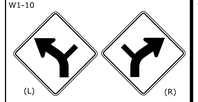
W1-8 *



LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW
(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	41-4210	1	.080
7.50	30X36	41-4211	1	.080

W1-10



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4085L	1	.080
9.00	36	41-4043R	1	.080
16.00	48	41-4090L	2	.100
16.00	48	41-4089R	2	.100

W2 - SERIES

W2-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4226	1	.080
9.00	36	41-4236	1	.080
16.00	48	41-4246	2	.100

W2-2



(LEFT OR RIGHT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4225	1	.080
9.00	36	41-4235	1	.080
16.00	48	41-4245	2	.100

W2-3



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4220L	1	.080
6.25	30	41-4219R	1	.080
9.00	36	41-4253L	1	.080
9.00	36	41-4252R	1	.080
16.00	48	41-4244L	2	.100
16.00	48	41-4243R	2	.100

W2-4



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4217	1	.080
9.00	36	41-4255	1	.080
16.00	48	41-4247	2	.100

W3 - SERIES

W3-1



OCTAGON - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0501	1	.080
9.00	36	41-0502	1	.080
16.00	48	41-0503	2	.100

W3-2



TRIANGLE - RED & WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0504	1	.080
9.00	36	41-0505	2	.100
16.00	48	41-0506	2	.100

W3-3



SYMBOL & LEGEND - BLACK
BACKGROUND - YELLOW
TOP CIRCLE - RED
BOTTOM CIRCLE - GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0835	1	.080
9.00	36	41-0836	1	.080
16.00	48	41-0848	2	.100
25.00	60	41-0860	2B	.125

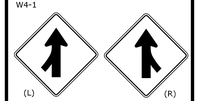


W/ FLASHERS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
25.00	60	41-0534	2B	.125

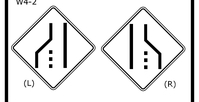
W4 - SERIES

W4-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4448L	1	.080
9.00	36	41-4449R	1	.080
16.00	48	41-4452L	2	.100
16.00	48	41-4459R	2	.100

W4-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4442L	1	.080
9.00	36	41-4441R	1	.080
16.00	48	41-4446L	2	.100
16.00	48	41-4447R	2	.100

W4-3



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4468L	1	.080
9.00	36	41-4470R	1	.080
16.00	48	41-4435L	2	.100
16.00	48	41-4434R	2	.100

W5 - SERIES

W5-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4402	1	.080
16.00	48	41-4404	2	.100

W6 - SERIES

W6-1 W6-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4335	1	.080
16.00	48	41-4330	2	.100

W6-3



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4329	1	.080
16.00	48	41-4331	2	.100

W7 - SERIES

W7-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4506	1	.080
9.00	36	41-4530	1	.080
16.00	48	41-4508	2	.100

W8 - SERIES

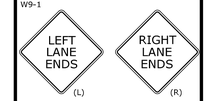
W8-5



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4519	1	.080
9.00	36	41-4520	1	.080
16.00	48	41-4521	2	.100

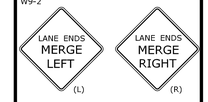
W9 - SERIES

W9-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4443L	1	.080
9.00	36	41-4440R	1	.080
16.00	48	41-4444L	2	.100
16.00	48	41-4445R	2	.100

W9-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4454L	1	.080
9.00	36	41-4453R	1	.080
16.00	48	41-4456L	2	.100
16.00	48	41-4455R	2	.100



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
22.00	66X48	41-1510	2B	.125

W10 - SERIES

W10-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.07	36	41-2201	1	.080

W11 - SERIES

W11-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4810	1	.080
9.00	36	41-4811	1	.080
16.00	48	41-4812	2	.100

W11-8



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4680	1	.080
9.00	36	41-4681	1	.080
16.00	48	41-4692	2	.100

W12 - SERIES

W12-1

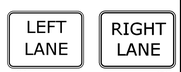


AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4213	1	.080
9.00	36	41-4215	1	.080
16.00	48	41-4214	2	.100

W12-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36	41-4706	1	.080
16.00	48	41-4708	2	.100



(SUBPLATE)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30	41-4729L		.080
7.50	36X30	41-4728R		.080

W13 - SERIES

W13-1



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	41-5568		.080
4.00	24X24	41-5569		.080
6.25	30X30	41-5573		.080
16.00	48X48	41-5572		.100

W13-2



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	41-5596	2B	.100

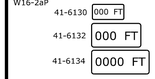
W13-3



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	41-5598	2B	.100

W16 - SERIES

W16-2aP



(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6130		.080
3.75	30X18	41-6132		.080
7.00	42X24	41-6134		.100

W16-2aP *



(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6140		.080
3.75	30X18	41-6142		.080

W16-7PL



(SUBPLATE)
USE WITH W11-2 AT CROSSWALK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2607		.080
3.75	30X18	41-2608		.080

W16-7PL *



(SUBPLATE)
USE WITH S1-1 AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2617		.080
3.75	30X18	41-2618		.080

W16-7PR



(SUBPLATE)
USE WITH W11-2 AT CROSSWALK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2609		.080
3.75	30X18	41-2610		.080

W16-7PR *



(SUBPLATE)
USE WITH S1-1 AT CROSSWALK
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-2619		.080
3.75	30X18	41-2620		.080

W16-9P



(SUBPLATE)
USE AT ADVANCE SIGN LOCATION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6125		.080
3.75	30X18	41-6112		.080
6.00	36X24	41-6116		.080
12.00	48X36	41-6115		.100

W16-9P *



(SUBPLATE)
USE AT ADVANCE SIGN LOCATION
LEGEND - BLACK
BACKGROUND - FLUORESCENT YELLOW GREEN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	41-6126		.080
3.75	30X18	41-6137		.080
6.00	36X24	41-6138		.080
12.00	48X36	41-6139		.100

* THIS SIGN ADDED FOR THIS PROJECT ONLY

NOTES:

FOR METRIC SEE CONVERSION CHART.

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

BACKGROUND - YELLOW - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION
4	6-2015	REVISED DRAWING NO.
3	5-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
2	11-2013	UPDATED PER MUTCD.
1	1-2010	REVISED SHEETING FROM TYPE I TO III.

METRIC CONVERSION CHART (1" = 25mm)

ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC
12"	300	42"	1050	72"	1800
18"	450	48"	1200	78"	1950
24"	600	54"	1350	84"	2100
30"	750	60"	1500	90"	2250
36"	900	66"	1650	96"	2400

DESIGNER/DRAFTER: D.K. SWINBURNE
CHECKED BY: L.N. CONROY
Plotted: 4/11/2018

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_GS.dgn

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: **TRUMBULL**

DRAWING TITLE:
SIGN FACE SHEET ALUMINUM S&W SERIES SIGNS TYPICAL DETAILS

PROJECT NO. **L144-0001**
DRAWING NO. **TR-GS_02**
SHEET NO. **04.13**

D1 - SERIES

D1-1
51-5202 Variable →

D1-2
51-5203 Variable Variable →

VARIABLE LEGEND & ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.17	60X12	51-5202	2	.100
8.33	60X24	51-5203	2	.100

D3 - SERIES

D3-1
Variable Road Name

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	48X12	51-2010	2	.100
5.00	60X12	51-2011	2	.100
6.00	72X12	51-2012	2	.125
7.00	84X12	51-2013	2	.125

D3-1
Variable Road Name

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	48X18	51-2004	2	.100
7.50	60X18	51-2001	2	.100
9.00	72X18	51-2002	2	.125
10.50	84X18	51-2003	2	.125

D4 - SERIES

D4-2
PARK - RIDE

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6006	1	.080
7.50	30X36	51-6007	1	.080
12.00	36X48	51-6008	2	.100

D4-2
PARK - RIDE

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6033	1	.080
7.50	30X36	51-6034	1	.080
12.00	36X48	51-6035	2	.100

D4-2
PARK - RIDE

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	51-6044	1	.080
7.50	30X36	51-6045	1	.080
12.00	36X48	51-6046	2	.100

NOTICE
THIS PARKING AREA PATROLLED

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
15.00	60X36	51-5937	2	.100

PARK AT YOUR OWN RISK
REMOVE KEYS AND LOCK CAR
NOT RESPONSIBLE FOR
PROPERTY LOST OR STOLEN

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.50	36X18	51-6037	1	.080

D5 - SERIES

D5-2b
REST AREA →

LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
42.25	78X78	51-6901	2B	.125

SERVICE PLAZA →

LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
39.00	72X78	51-6158	2B	.125

D7 - SERIES

D-7
51-6802 Variable →
51-6803 Variable Variable →

W or W/O ARROW
VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.17	60X10	51-6802	2	.100
8.33	60X20	51-6803	2	.100

D9 - SERIES

D9-2
H

** FOR ARROW SUBPLATES USE M5 & M6 SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6788	1	.080

D9-3a

** FOR ARROW SUBPLATES USE M5 & M6 SERIES

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6762	1	.080

51-6705 DIESEL →
51-6706 FOOD →
51-6707 PHONE →
51-6708 GAS →
51-6709 LODGING →

VARIABLE ARROW DIRECTION

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	36X9		1	.080

D10 - SERIES

D10-4
NORTH (95) MILE 000

CARDINAL DIRECTION, SHIELD AND NUMERALS ARE VARIABLE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.75	18X54	51-5307	1	.080

RECREATIONAL RS- SERIES

RS-054

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6873	1	.080

RS-117

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-7872	1	.080

51-2705 ↑
51-2706 L or R →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.19	21X15	51-2705		.080
2.19	21X15	51-2706		.080

E5 - SERIES

E5-1a
EXIT ↖ (L) EXIT ↗ (R)

FOR USE AT "NO NUMBERED" EXITS

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
		(L or R)		
30.00	72X60	51-6150	2B	.125

E5-1a
EXIT ↖ 00 (L) EXIT 00 ↗ (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
		(L or R)		
32.50	78X60	51-6124R	2B	.125
32.50	78X60	51-6125L	2B	.125

E5-1a
EXIT ↖ 00 B (L) EXIT 00 B ↗ (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
		(L or R)		
45.00	108X60	51-6126R	2B	.125
45.00	108X60	51-6127L	2B	.125

E5-1a
EXIT ↖ 00 A-B (L) EXIT 00 A-B ↗ (R)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
		(L or R)		
57.50	138X60	51-6128R	2B	.125
57.50	138X60	51-6129L	2B	.125

I - SERIES

I-3
(Variable) River

VARIABLE: RIVER, BROOK, CREEK

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.50	36X18	51-2007	2	.080
12.00	48X36	51-2051	2	.100

(Town Name)
(INCORPORATED OR SETTLED) (DATE)
TOWN LINE

VARIABLE: TOWN / CITY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	40X27	51-2020	2	.080

(Name)
Connecticut

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30	51-2040	2	.100

I-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-1448	1	.080
6.25	30X30	51-1445	1	.080

INCIDENT MANAGEMENT

N 0 .0 N 0 0 .0 N 0 0 0 .0

CARDINAL DIRECTION VARIABLE - N, S, E, W

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	12X36	51-5103	1	.080
4.00	12X48	51-5104	1	.080
5.00	12X60	51-5105	1	.080

SYMBOL - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	18X24	51-5943	1	.080

51-6504 Variable
51-6505 Variable Variable

TO BE SUBMOUNTED W/ 51-5943
LEGEND - WHITE
BACKGROUND - BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	51-6504		.080
1.50	18X12	51-6505		.080

✹ TOWN OF SEYMOUR INCORPORATED 1850 TOWN LINE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-2020	1	.080

M1 - SERIES

M1-1
INTERSTATE CONNECTICUT 00 — 51-6662, 51-6666 VARIABLE: 1 or 2 DIGITS
INTERSTATE CONNECTICUT 000 — 51-6663, 51-6667 VARIABLE: 3 DIGITS

LEGEND - WHITE
BACKGROUND - RED & BLUE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.20	24X24	51-6662	1	.080
3.99	30X24	51-6663	1	.080
7.20	36X36	51-6666	2	.080
8.99	45X36	51-6667	2	.100

M1-4
00 — 51-6615, 51-6635 VARIABLE: 1 or 2 DIGITS
000 — 51-6644, 51-6645 VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6615	1	.080
5.00	30X24	51-6644	1	.080
9.00	36X36	51-6635	2	.080
11.25	45X36	51-6645	2	.100

M1-5
00 — 51-6616, 51-6636 VARIABLE: 1 or 2 DIGITS
000 — 51-6647, 51-6646 VARIABLE: 3 DIGITS

LEGEND - BLACK
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	51-6616	1	.080
5.00	30X24	51-6647	1	.080
9.00	36X36	51-6636	2	.080
11.25	45X36	51-6646	2	.100

M2 - SERIES

M2-1
JCT

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-6640	(1)	.080
2.19	21X15	51-6610	(2)	.080

M3 - SERIES

M3-1
NORTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6651	(1)	.080
2.00	24X12	51-6611	(2)	.080
4.50	30X18	51-6655	(1)	.080
4.50	30X18	51-6625	(2)	.080

M3-2
EAST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6652	(1)	.080
2.00	24X12	51-6612	(2)	.080
4.50	30X18	51-6656	(1)	.080
4.50	30X18	51-6626	(2)	.080

M3-3
SOUTH

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6653	(1)	.080
2.00	24X12	51-6613	(2)	.080
4.50	30X18	51-6657	(1)	.080
4.50	30X18	51-6627	(2)	.080

M3-4
WEST

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6654	(1)	.080
2.00	24X12	51-6614	(2)	.080
4.50	30X18	51-6658	(1)	.080
4.50	30X18	51-6628	(2)	.080

M4 - SERIES

M4-5
TO

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.00	24X12	51-6650	(1)	.080
2.00	24X12	51-6620	(2)	.080

M5 - SERIES

M5-1
L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2690L	(1)	.080
2.19	21X15	51-2691R	(1)	.080
2.19	21X15	51-2630L	(2)	.080
2.19	21X15	51-2631R	(2)	.080

M5-2
L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2692L	(1)	.080
2.19	21X15	51-2693R	(1)	.080
2.19	21X15	51-2632L	(2)	.080
2.19	21X15	51-2633R	(2)	.080

M6 - SERIES

M6-1
L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2686	(1)	.080
2.19	21X15	51-2626	(2)	.080

M6-2
L or R

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2688L	(1)	.080
2.19	21X15	51-2689R	(1)	.080
2.19	21X15	51-2628L	(2)	.080
2.19	21X15	51-2629R	(2)	.080
4.89	32X22	51-2609R	(2)	.080

M6-3
↑

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2685	(1)	.080
2.19	21X15	51-2625	(2)	.080

M6-4

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	COLOR	ALUM. THK.
2.19	21X15	51-2697	(1)	.080
2.19	21X15	51-2627	(2)	.080

✹ THIS SIGN ADDED FOR THIS PROJECT ONLY

NOTES:

FOR METRIC SEE CONVERSION CHART.

1. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
3. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
4. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.

COLORS:

D - SERIES
D1, 2, 3, 4, 10 BACKGROUND-GREEN, LEGEND-WHITE
D7, RS BACKGROUND-BROWN, LEGEND-WHITE
D9 BACKGROUND-BLUE, LEGEND-WHITE
ALL OTHER D-SERIES AS NOTED

E - SERIES
BACKGROUND-GREEN, LEGEND-WHITE

I - SERIES
BACKGROUND-GREEN, LEGEND-WHITE (EXCEPT AS NOTED)

M2 - M6 SERIES
(1) BACKGROUND-BLUE, LEGEND-WHITE
(2) BACKGROUND-WHITE, LEGEND-BLACK

ALL COLORS SHALL BE TYPE IV RETROREFLECTIVE WITH THE EXCEPTION OF BLACK WHICH SHALL BE OPAQUE.

REV.	DATE	REVISION DESCRIPTION
3	6-2015	REVISED DRAWING TITLE AND NO.
2	5-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
1	1-2010	REVISED SHEETING FROM TYPE I TO III.

METRIC CONVERSION CHART (1" = 25mm)

ENGLISH	METRIC	ENGLISH	METRIC	ENGLISH	METRIC
12"	300	42"	1050	72"	1800
18"	450	48"	1200	78"	1950
24"	600	54"	1350	84"	2100
30"	750	60"	1500	90"	2250
36"	900	66"	1650	96"	2400

DESIGNER/DRAFTER: D.K. SWINBURNE
CHECKED BY: L.N. CONROY
Plotted: 4/11/2018

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_GS.dgn

SIGNATURE/BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE:
SIGN FACE SHEET ALUMINUM D,RS,E,I,&M SERIES SIGNS TYPICAL DETAILS

PROJECT NO. L144-0001
DRAWING NO. TR-GS_03
SHEET NO. 04.14

05 - STRUCTURE
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
S-1	CULVERT PLAN, SECTION AND ELEVATIONS		
S-2	GENERAL NOTES, WORKING POINTS AND QUANTITIES		
S-3	SUBSTRUCTURE DETAILS		
S-4	WINGWALL DETAILS		

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

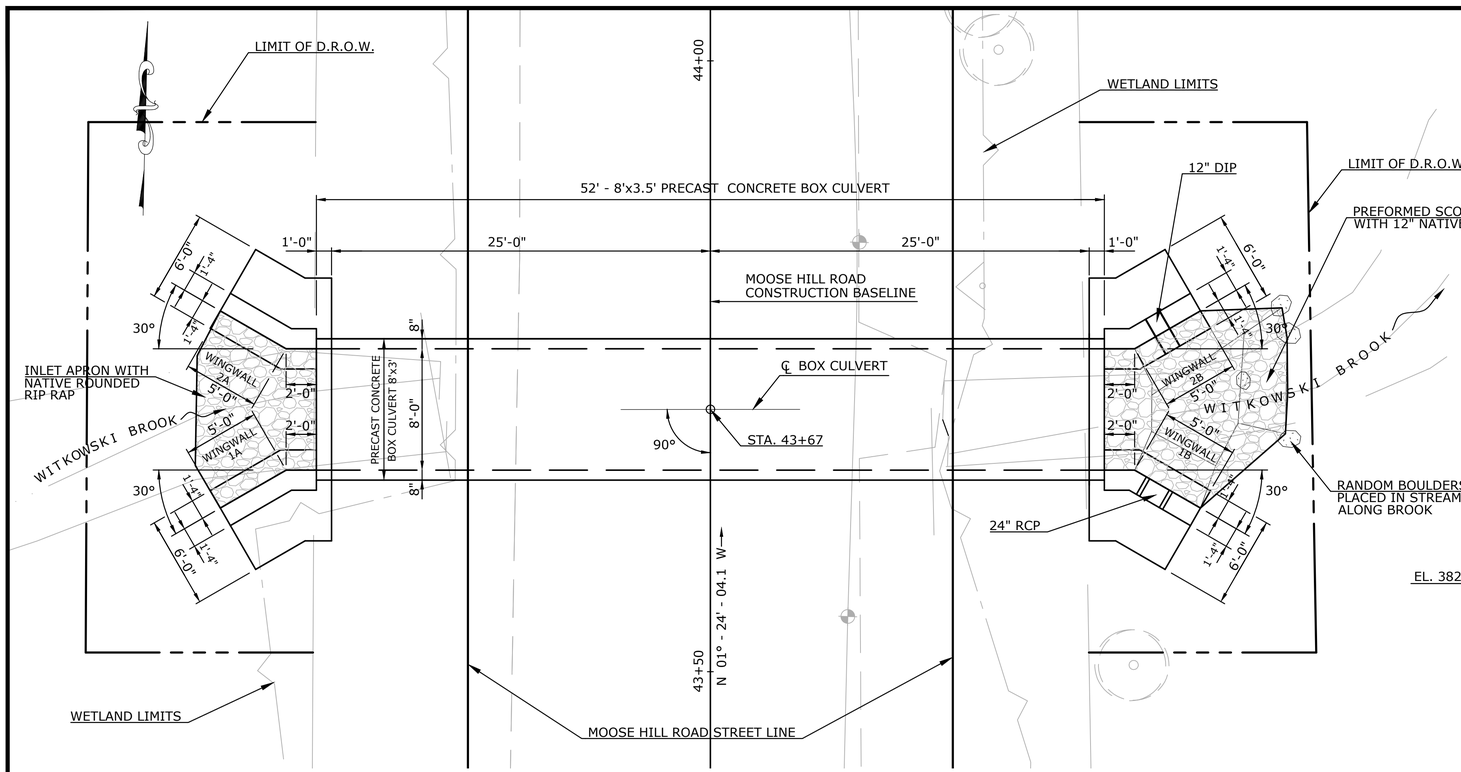
DRAWING TITLE: SUBSET 05 COVER SHEET

PROJECT NO.: L144-0001

DRAWING NO.: STR-00

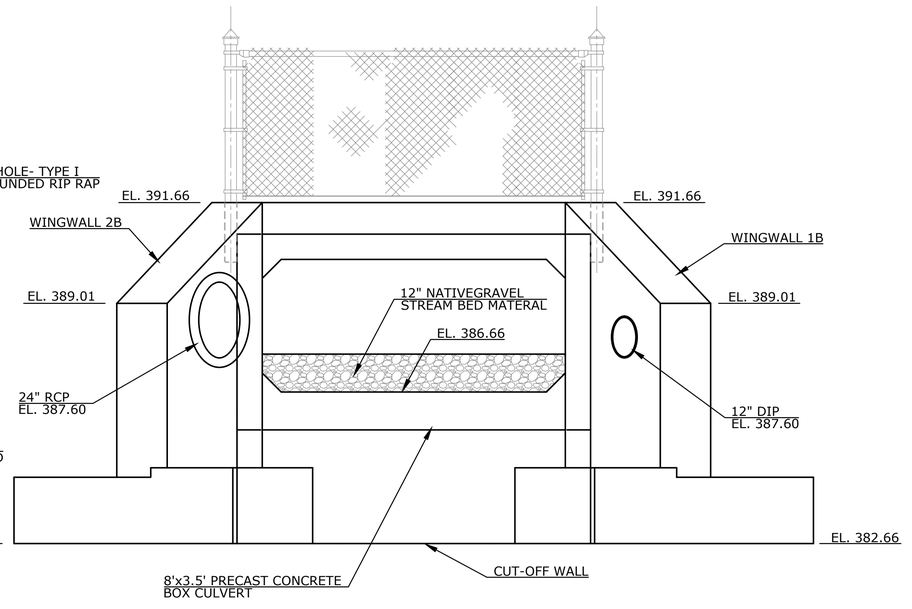
SHEET NO.: 05.01

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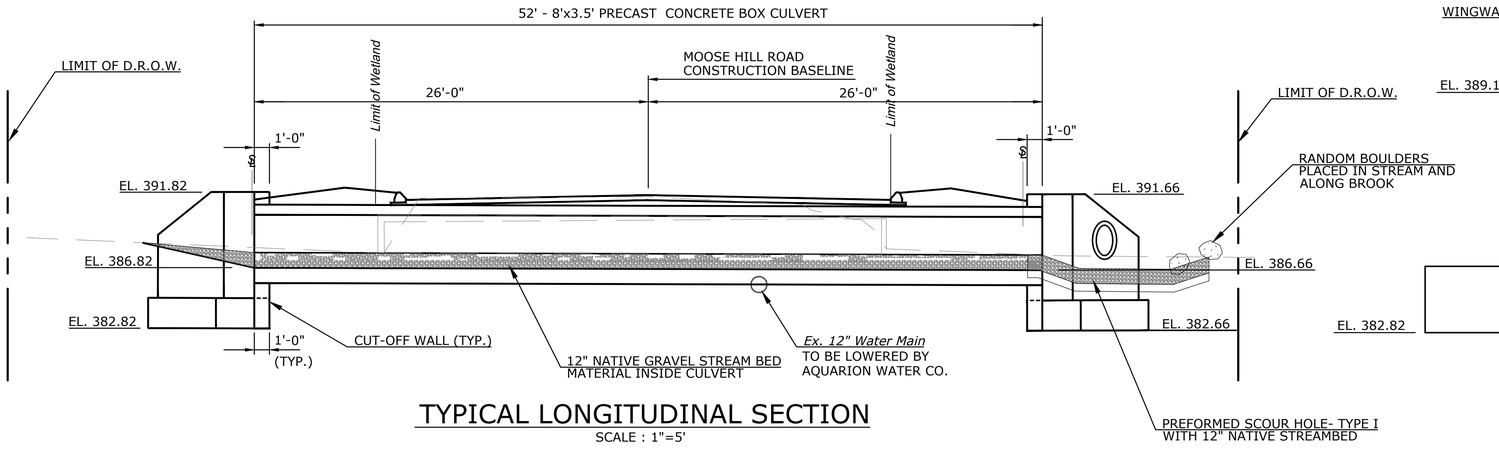
PLAN

SCALE : 1"=5'



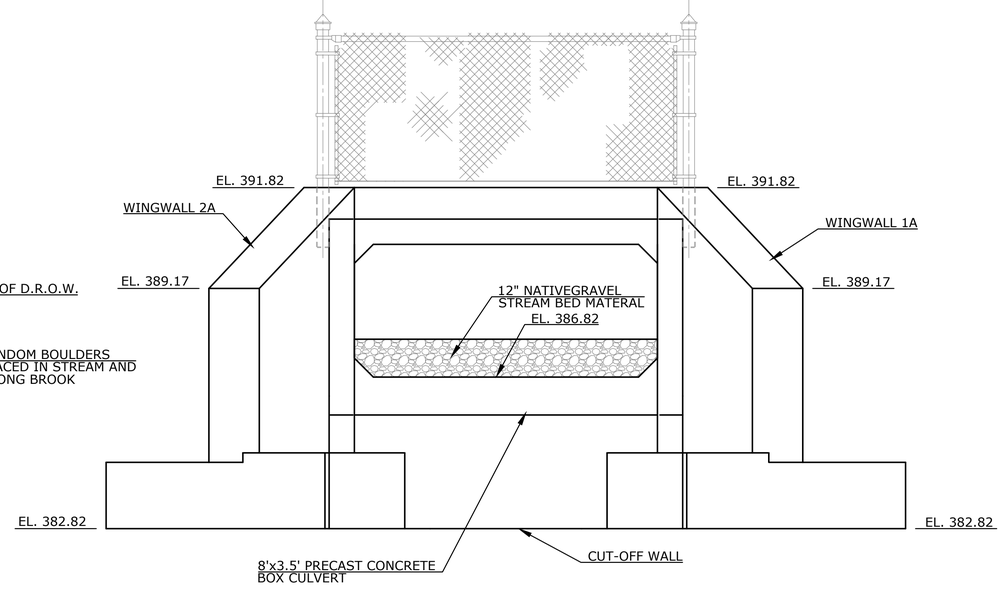
OUTLET ELEVATION

SCALE : 1/2"=1'



TYPICAL LONGITUDINAL SECTION

SCALE : 1"=5'



INLET ELEVATION

SCALE : 1/2"=1'

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 7/13/2018

DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: CULVERT PLAN, SECTION AND ELEVATIONS

PROJECT NO.: L144-0001

DRAWING NO.: S-1

SHEET NO.: 05.02

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GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 (2016), SUPPLEMENTAL SPECIFICATIONS DATED JULY 2017 AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS-7TH EDITION, 2012 WITH INTERIM SPECIFICATIONS INCLUDING AND UP TO 2015 AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003).

ALLOWABLE DESIGN STRESSES:

CLASS "A" CONCRETE	BASED ON f'c = 3000 psi
REINFORCEMENT	(ASTM A615 GRADE 60) fy = 60,000 psi

CONCRETE: THE SPECIFIED CONCRETE STRENGTH USED IN DESIGN, f'c, 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".

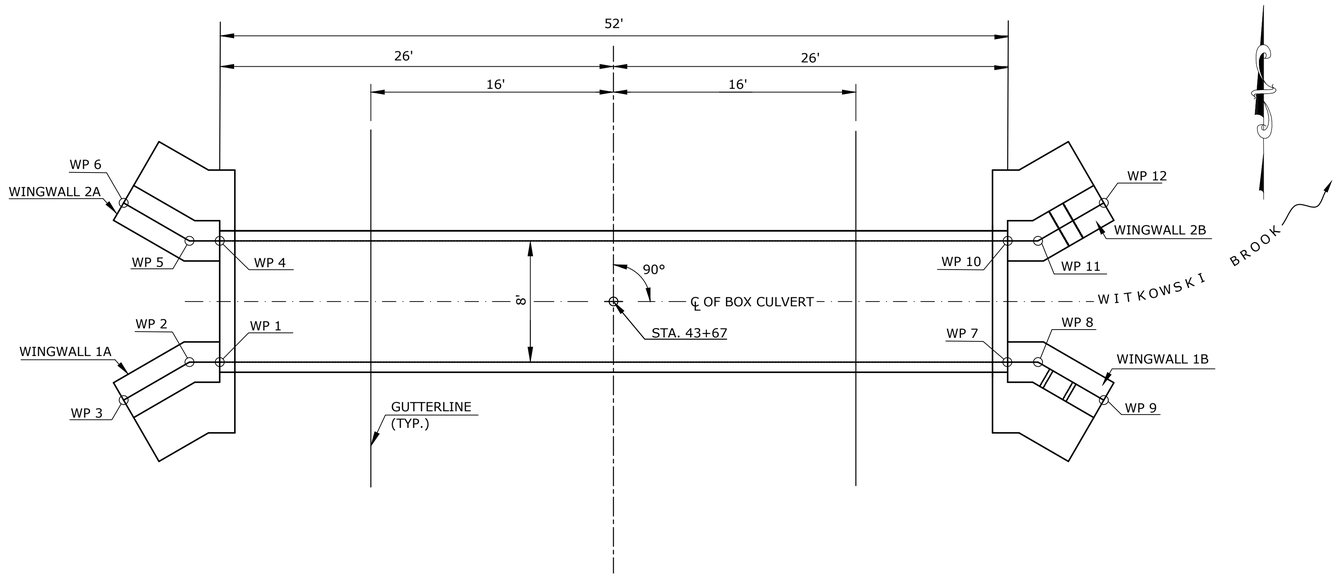
LIVE LOAD: HL93

OVERLAY: THE FIRST LIFT SHALL CONSIST OF BITUMINOUS CONCRETE CLASS 2 (1" THICK). FOLLOWED BY THE REQUIRED PAVEMENT COURSES TO REACH FINAL GRADE.

DIMENSIONS: ALL DIMENSIONS SHOWN ON THE PLANS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL ELEVATIONS ARE GIVEN IN FEET. WHEN ELEVATIONS ARE GIVEN TO LESS THAN TWO DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZERO.

UTILITIES: THE CONTRACTOR SHALL LOCATE AND PROTECT ALL UTILITIES AS NECESSARY FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ALL UTILITIES.

OVERHEAD UTILITIES: OVERHEAD UTILITIES ON THE EAST FASCIA ARE NOT BEING RELOCATED HORIZONTALLY. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY AND PLAN STRUCTURE INSTALLATION ACCORDINGLY.



WORKING POINT PLAN

SCALE: 1:5

CONCRETE NOTES:

REMAIN-IN-PLACE FORMS: THE USE OF REMAIN-IN-PLACE FORMS ON THIS STRUCTURE IS NOT ALLOWED.

CLASS "A" CONCRETE: CLASS "A" CONCRETE SHALL BE USED FOR THE ENTIRE SUBSTRUCTURE, CUTOFF WALLS, HEADWALLS, AND PARAPETS.

JOINT SEAL: SEE SPECIAL PROVISIONS

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

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60.

PREFORMED EXPANSION JOINT FILLER: THE COST OF FURNISHING AND INSTALLING PREFORMED EXPASNION JOINT FILLER SHALL BE INCLUDED UNDER THE ITEM "CLASS "A" CONCRETE".

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

HANDLING WATER NOTES:

1. THE CONTRACTOR SHALL DESIGN AND DETAIL PROCEDURES FOR THE HANDLING OF WATER DURING THE CONSTRUCTION OF THE CULVERT AS SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, FOR HIS INFORMATION, DETAILED PLANS AND COMPUTATIONS OF ITS PROPOSAL PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT.
3. METHODS UTILIZED FOR HANDLING WATER SHALL CONFORM TO THE CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 (2016).

TABLE OF WORKING POINTS

WORKING POINT	STATION	OFFSET	N	E
WP 1	43+63.304	26.000' LT.	669281.610	875527.871
WP 2	43+63.304	28.000' LT.	669281.561	875525.871
WP 3	43+60.797	32.343' LT.	669278.949	875521.591
WP 4	43+71.304	26.000' LT.	669289.608	875527.675
WP 5	43+71.304	28.000' LT.	669289.559	875527.675
WP 6	43+73.811	32.343' LT.	669291.959	875521.273
WP 7	43+63.304	26.000' RT.	669282.882	875579.855
WP 8	43+63.304	28.000' RT.	669282.931	875581.854
WP 9	43+60.797	32.343' RT.	669280.530	875586.257
WP 10	43+71.304	26.000' RT.	669290.879	875579.659
WP 11	43+71.304	28.000' RT.	669290.928	875581.659
WP 12	43+73.811	32.343' RT.	669293.541	875585.939

TABLE OF QUANTITIES

ITEM	UNIT	QUANTITY
STRUCTURE EXCAVATION - EARTH (COMPLETE)	C.Y.	372
GRAVEL STREAMBED MATERIAL	C.Y.	15
GRANULAR FILL	C.Y.	47
PERVIOUS STRUCTURE BACKFILL	C.Y.	55
HMA S0.25	TON	2
SAWING AND SEALING JOINTS	L.F.	64
CLASS "A" CONCRETE	C.Y.	16
8' x 3.5' PRECAST CONCRETE BOX CULVERT	L.F.	52
DEFORMED STEEL BARS	LB	1730
MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	S.Y.	66
DAMPPROOFING	S.Y.	19

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: GENERAL NOTES, WORKING POINTS AND QUANTITIES

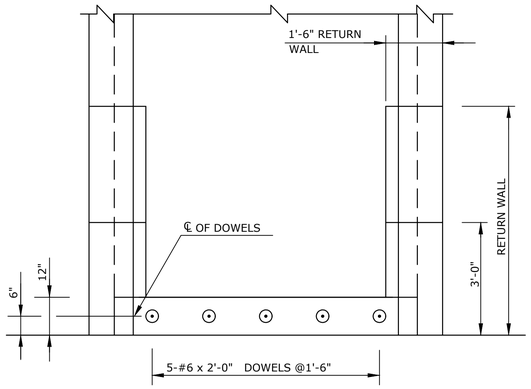
PROJECT NO.: L144-0001

DRAWING NO.: S-2

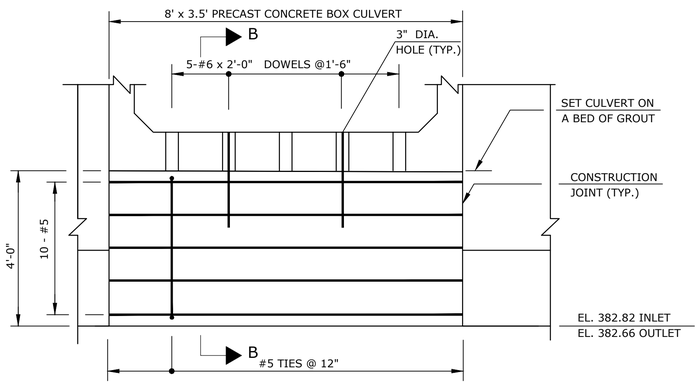
SHEET NO.: 05.03

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Struct_Bridge\MStw_Design\S-2_gennotes.dwg

NOTE:
#6 DOWELS TO MATCH
4" DIA. HOLES IN
FLOOR OF CULVERT.



PLAN
SCALE: 1/2" = 1'-0"

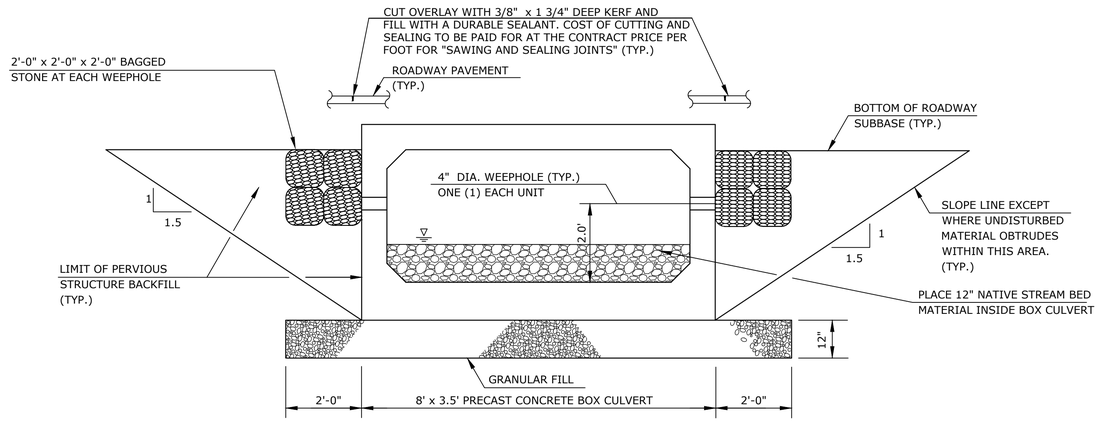


ELEVATION
SCALE: 1/2" = 1'-0"

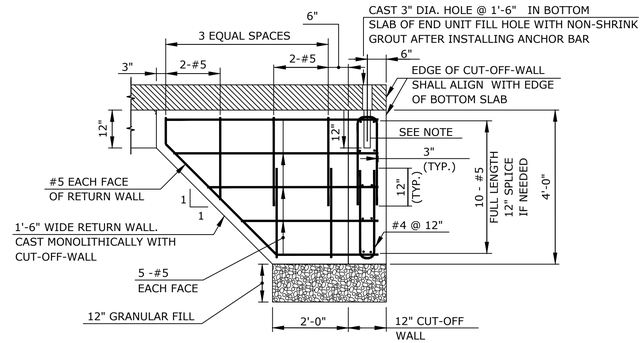
CUT-OFF WALL DETAIL

NOTES:

1. THE CONTRACTOR SHALL DESIGN, MANUFACTURE AND CONSTRUCT PRECAST 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 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. ALL INSERTS SHALL HAVE A CORROSIVE RESISTANT COATING.
6. 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 REQUIRMENTS OF ASTM A615, GRADE 60.
7. ALL REINFORCEMENT TO HAVE 3 INCHES OF COVER UNLESS OTHERWISE NOTED.

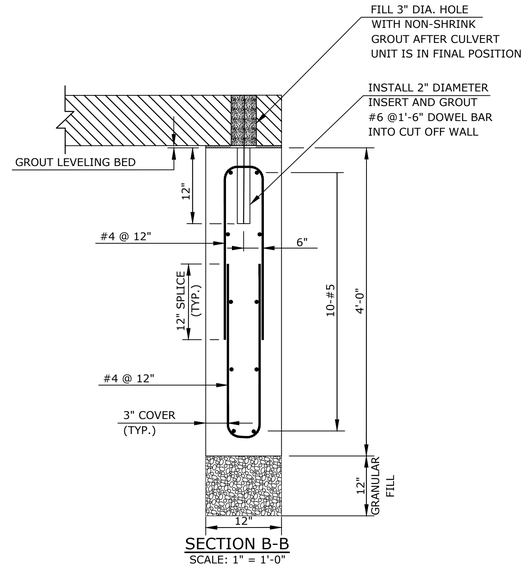


TYPICAL CULVERT SECTION
SCALE: 1/2" = 1'-0"



NOTE:
DRILL 2" DIA. x 12" DEEP HOLE AND GROUT #6 x 2'-0" LONG ANCHOR BAR INTO CUT-OFF-WALL (12" EMBEDMENT DEPTH) AFTER PLACING END UNIT. USE NON-SHRINK GROUT. CENTER ANCHOR BAR IN HOLE IN BOTTOM SLAB.

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



SECTION B-B
SCALE: 1" = 1'-0"

Q:\Projects\Luchs Projects\1043 Moose Hill Road\Struct_Bridge\MSta_Design\S-3_subdets.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

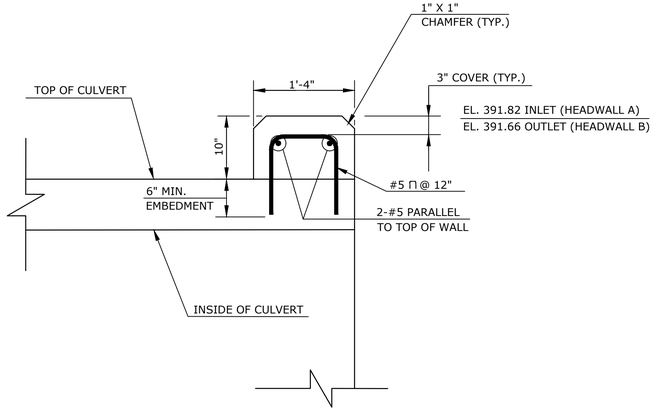
SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

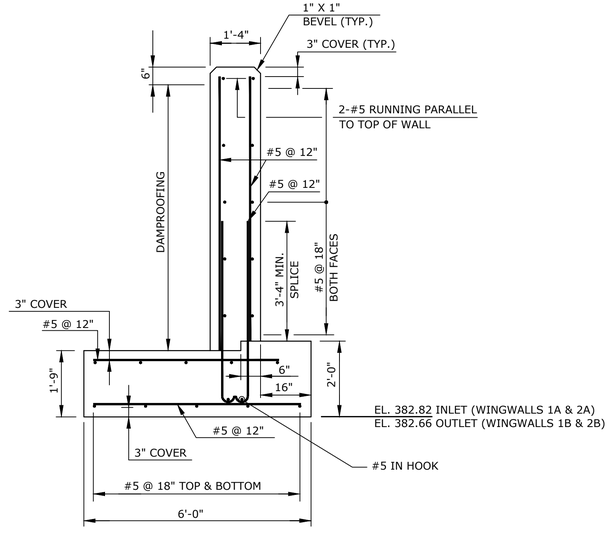
DRAWING TITLE: SUBSTRUCTURE DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: S-3
SHEET NO.: 05.04

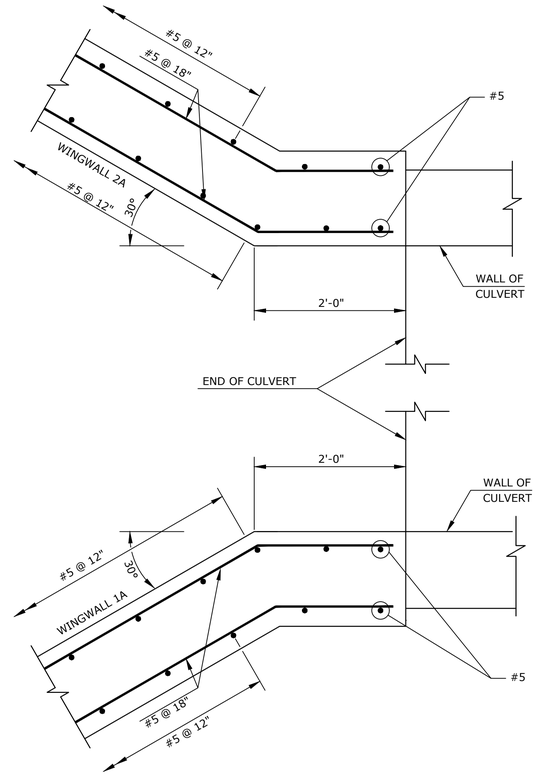


TYPICAL SECTION
HEADWALL
SCALE: 1/2" = 1'-0"

NOTE:
REINFORCING BARS IN STEM TO HAVE 2" COVER
REINFORCING BARS IN FOOTING TO HAVE 3" COVER.



TYPICAL SECTION
WINGWALLS 1A & 2A
SCALE: 1/2" = 1'-0"



WALL DETAILS AT INLET & OUTLET
SCALE: 1" = 1'-0"

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 4/19/2018

DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/
BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN:
TRUMBULL

DRAWING TITLE:
WINGWALL DETAILS

PROJECT NO.:
L144-0001

DRAWING NO.:
S-4

SHEET NO.:
05.05

06 - UTILITIES
INDEX OF DRAWINGS

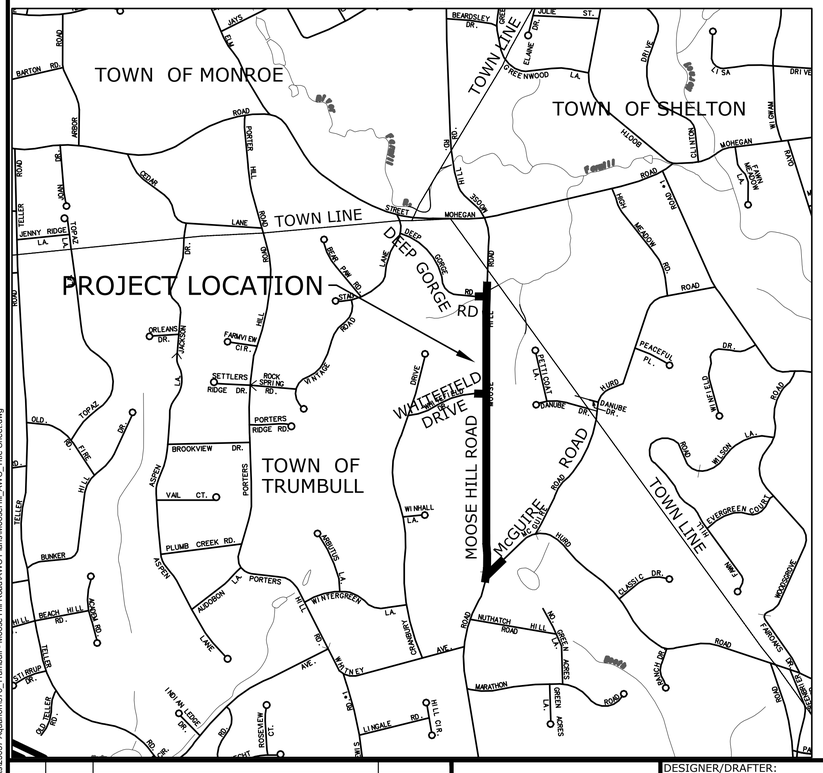
DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
AWC-1 TO AWC-17	AQUARION RELOCATION PLANS		
UT-1 TO UT-7	UI CO. AND FRONTIER UTILITY POLE RELOCATION PLANS		
SCG-1 TO SCG-7	SCGAS CO. RELOCATION PLANS		

WATER MAIN RELOCATION AT MOOSE HILL ROAD

FOR RECONSTRUCTION OF MOOSE HILL ROAD

LOCATION MAP

NOT TO SCALE



GENERAL NOTES:

1. AQUARION WILL FURNISH ALL WATER MAIN, VALVES, BENDS, SLEEVES, JOINT RESTRAINTS WITH ACCESSORIES, AND OTHER RELATED HARDWARE REQUIRED FOR INSTALLATION BY THE AWC CONTRACTOR ON THIS PROJECT. CONCRETE FOR THRUST BLOCKS SHALL BE FURNISHED AND INSTALLED BY THE AWC CONTRACTOR. THE TOWN'S CONTRACTOR SHALL COORDINATE HIS WORK WITH THE AWC CONTRACTOR AND THE AQUARION REPRESENTATIVE. THE TOWN'S CONTRACTOR SHALL ASSIST AQUARION IN THE PLACEMENT OF THE RELOCATED WATER MAIN BELOW THE WITKOWSKI BROOK BOX CULVERT AS DESCRIBED BY ITEM #1301964A - 18" DUCTILE IRON CASING WITH 12" WATER MAIN.
2. ALL WATER MAIN INSTALLATION WORK SHALL CONFORM TO AQUARION WATER COMPANY STANDARDS AND/OR AS DIRECTED BY THE AQUARION REPRESENTATIVE.
3. THE DATA SHOWN ON THESE PLANS IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION UNTIL FIELD CONDITIONS HAVE BEEN VERIFIED.
4. ALL VALVES SHALL BE OPERATED BY AQUARION FORCES. EXISTING VALVES TO REMAIN AND TO BE USED FOR TYING IN NEW MAIN SHALL BE WORKED TO VERIFY OPERATION AND LISTENED ON TO IDENTIFY LEAKAGE. UNSATISFACTORY VALVES SHALL BE REPLACED BY AQUARION.
5. ALL BENDS SHALL HAVE THRUST BLOCKS IN ADDITION TO JOINT RESTRAINTS.

INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
1	AWC-00	TITLE SHEET
2-14	AWC-01 - AWC-13	WATER MAIN RELOCATION PLANS AND PROFILES
15	AWC-14	WATER MAIN RELOCATION AT BROOK
16-18	AWC-15 - AWC-17	AQUARION DETAILS

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/15/2018

DESIGNER/DRAFTER:

CHECKED BY:

SCALE AS NOTED

AQUARION

FILENAME:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

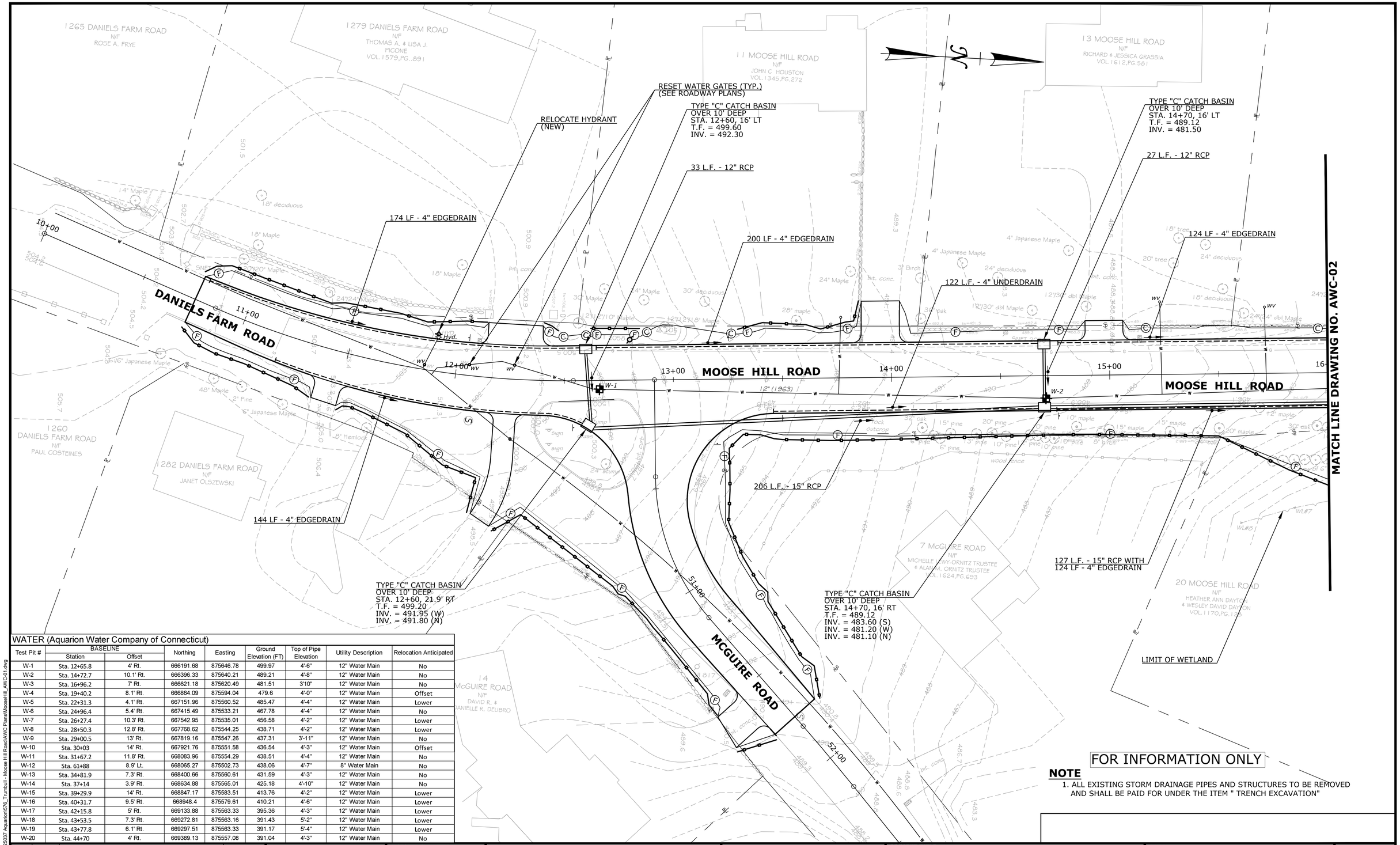
DRAWING TITLE: TITLE SHEET WATER MAIN RELOCATION

PROJECT NO.: L144-0001

DRAWING NO.: AWC-00

SHEET NO.: 06.02

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WATER (Aquarion Water Company of Connecticut)

Test Pit #	BASELINE Station	BASELINE Offset	Northing	Easting	Ground Elevation (FT)	Top of Pipe Elevation	Utility Description	Relocation Anticipated
W-1	Sta. 12+65.8	4' Rt.	666191.68	875646.78	499.97	4'-6"	12" Water Main	No
W-2	Sta. 14+72.7	10.1' Rt.	666396.33	875640.21	489.21	4'-8"	12" Water Main	No
W-3	Sta. 16+96.2	7' Rt.	666621.18	875620.49	481.51	3'10"	12" Water Main	No
W-4	Sta. 19+40.2	8.1' Rt.	666864.09	875594.04	479.6	4'-0"	12" Water Main	Offset
W-5	Sta. 22+31.3	4.1' Rt.	667151.96	875560.52	485.47	4'-4"	12" Water Main	Lower
W-6	Sta. 24+96.4	5.4' Rt.	667415.49	875533.21	467.78	4'-4"	12" Water Main	No
W-7	Sta. 26+27.4	10.3' Rt.	667542.95	875535.01	456.58	4'-2"	12" Water Main	Lower
W-8	Sta. 28+50.3	12.8' Rt.	667768.62	875544.25	438.71	4'-2"	12" Water Main	Lower
W-9	Sta. 29+00.5	13' Rt.	667819.16	875547.26	437.31	3'-11"	12" Water Main	No
W-10	Sta. 30+03	14' Rt.	667921.76	875551.58	436.54	4'-3"	12" Water Main	Offset
W-11	Sta. 31+67.2	11.8' Rt.	668083.96	875554.29	438.51	4'-4"	12" Water Main	No
W-12	Sta. 61+88	8.9' Lt.	668065.27	875502.73	438.06	4'-7"	8" Water Main	No
W-13	Sta. 34+81.9	7.3' Rt.	668400.66	875560.61	431.59	4'-3"	12" Water Main	No
W-14	Sta. 37+14	3.9' Rt.	668634.88	875565.01	425.18	4'-10"	12" Water Main	No
W-15	Sta. 39+29.9	14' Rt.	668847.17	875583.51	413.76	4'-2"	12" Water Main	Lower
W-16	Sta. 40+31.7	9.5' Rt.	668948.4	875579.61	410.21	4'-6"	12" Water Main	Lower
W-17	Sta. 42+15.8	5' Rt.	669133.88	875563.33	395.36	4'-3"	12" Water Main	Lower
W-18	Sta. 43+53.5	7.3' Rt.	669272.81	875563.16	391.43	5'-2"	12" Water Main	Lower
W-19	Sta. 43+77.8	6.1' Rt.	669297.51	875563.33	391.17	5'-4"	12" Water Main	Lower
W-20	Sta. 44+70	4' Rt.	669389.13	875557.08	391.04	4'-3"	12" Water Main	No

FOR INFORMATION ONLY

NOTE

1. ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES TO BE REMOVED AND SHALL BE PAID FOR UNDER THE ITEM " TRENCH EXCAVATION"

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/22/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET

0 20 40

SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN RELOCATION PLAN

PROJECT NO.: L144-0001

DRAWING NO.: AWC-01

SHEET NO.: 06.03

Q:\Projects\Luchs Projects\23037 Aquarion\576_Trumbull - Moose Hill Road\AWC Plans\MooseHill_AWC-01.dwg

MATCH LINE DRAWING NO. AWC-01

MATCH LINE DRAWING NO. AWC-04

MOOSE HILL ROAD

17 MOOSE HILL ROAD
N/F
SCOTT C REIS &
JOSEPHINE MARCELLINO-REIS
VOL.1468,PG.28

19 MOOSE HILL ROAD
N/F
DIANE R. OLSEN
VOL.1359,PG.295

25 MOOSE HILL ROAD
N/F
JOSEPH C & MARY ANN RUOSPO
VOL.976,PG.02

31 MOOSE HILL ROAD
N/F
JASON BURNSIDE
VOL.1620,PG.490

26 MOOSE HILL ROAD
N/F
KIMBERLY ATHERTON
VOL.1558,PG.165

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON
& WESLEY DAVID DAYTON
VOL.1170,PG.128

PREFORMED SCOUR HOLE

STANDARD ENDWALL
STA. 20+15.2, 174.4' LT
INV. = 472.20

175 L.F. - 15" RCP

EXISTING
DRAINAGE
EASEMENT

LIMIT OF WETLAND

LIMIT OF WETLAND

TYPE "C" CATCH BASIN
OVER 10' DEEP
STA. 17+00, 16' LT
T.F. = 482.35
INV. = 474.70

27 L.F. - 12" RCP

TYPE "C" CATCH BASIN
OVER 10' DEEP (4' SUMP)
STA. 19+43.3, 16' LT
T.F. = 479.30
INV. = 473.20 (S.E)
INV. = 473.10 (W)

96 L.F. - 4" EDGEDRAIN

48 L.F. - 15" RCP WITH
46 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN
AND PIPE

180 L.F. - 4" EDGEDRAIN

12" ADAPTOR COUPLING

OFFSET 40' - 12" WATER MAIN
MIN. 12" BELOW PROPOSED
STORM CROSSING

152 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
STA. 18+90, 16' LT
T.F. = 479.41
INV. = 473.90

LOW POINT
STA. 18+90.79

98 L.F. - 15" RCP WITH
98 L.F. - 4" EDGEDRAIN

24 L.F. - 4" EDGEDRAIN

187 L.F. - 15" RCP WITH
184 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN
AND PIPE

12" ADAPTOR COUPLING

TYPE "C" CATCH BASIN
STA. 18+90, 16' RT
T.F. = 479.41
INV. = 473.85 (S)
INV. = 473.75 (N)

150 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
OVER 10' DEEP(4' SUMP)
STA. 19+47.6, 16' RT
T.F. = 479.20
INV. = 473.50 (S)
INV. = 473.40 (W)

54 L.F. - 15" RCP WITH
52 LF - 4" EDGEDRAIN

27 L.F. - 15" RCP

5 L.F. - 4" PVC

5 L.F. - 6" PVC

LIMIT OF WETLAND

TYPE "C" CATCH BASIN
OVER 10' DEEP
STA. 17+00, 16' RT
T.F. = 482.35
INV. = 476.90 (S)
INV. = 474.50 (W)
INV. = 474.40 (N)

17+00 18+00 19+00 20+00 21+

W-3 W-4

FOR INFORMATION ONLY

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/15/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN
RELOCATION PLAN

PROJECT NO.: L144-0001

DRAWING NO.: AWC-02

SHEET NO.: 06.04

Q:\Projects\Luchs Projects\25037 Aquarion\576_Trumbull - Moose Hill Road\AWC Plans\MooseHill_AWC-02.dwg

L.V.C.=300.00
S.S.D.=298
K=61

STA.17+10.00
EL.=482.38 PVC

STA.20+10.00
EL.=480.87 PVT

TYPE "C" CATCH BASINS
OVER 10' DEEP

EXISTING GROUND ALONG
CONSTRUCTION BASELINE

TYPE "C" CATCH BASINS

TYPE "C" CATCH BASIN
OVER 10' DEEP (4' SUMP)

STANDARD ENDWALL

Type "C" Catch Basin

Type "C" Catch Basin

S=1.94%

15" RCP

S=-2.94%

S=1.94%

PROPOSED GRADE ALONG
CONSTRUCTION BASELINE

12" ADAPTOR
COUPLING

15" RCP

12" OPP

12" RCP

15" OPP

15" RCP

15" RCP

PVI STA.18+60.00
EL.=477.96

15" RCP

12" 45° BEND

15" RCP

ASSUMED EXISTING
12" C.I. WATER MAIN

12" ADAPTOR
COUPLING

12" 45° BEND

12" 45° BEND

12" 45° BEND

LOW POINT
STA.18+90.79
EL. =479.71

OFFSET 40' - 12" WATER MAIN
MIN. 12" BELOW PROPOSED
STORM CROSSING

MATCH LINE DRAWING NO. AWC-05

495
490
485
480
475
470

16+00
16+50
17+00
17+50
18+00
18+50
19+00
19+50
20+00
20+50
21+00

FOR INFORMATION ONLY

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/15/2018

DESIGNER/DRAFTER: DBH/AP
CHECKED BY: RJN
SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN
RELOCATION PROFILE

PROJECT NO.: L144-0001
DRAWING NO.: AWC-03
SHEET NO.: 06.05

MATCH LINE DRAWING NO. AWC-02

MATCH LINE DRAWING NO. AWC-06

MOOSE HILL ROAD

HIGH POINT
STA. 21+91.25

90 L.F. - 4" EDGEDRAIN

304 L.F. - 4" EDGEDRAIN

RECONNECT EX. SERVICE

2" AIR VENT WITH TEMPORARY 12" PLUG

12" BUTTERFLY VALVE - OTR

12"x6" TEE
6" GATE VALVE - OTR

12" 45° BEND

12" 45° BEND

12" ADAPTOR COUPLING

90 L.F. - 4" EDGEDRAIN

12" 45° BEND

12" ADAPTOR COUPLING

304 L.F. - 4" EDGEDRAIN

RECONNECT EX. SERVICE

RELOCATE HYDRANT (NEW)

LOWER 215' - 12" WATER MAIN TO 4.5' COVER
STA. 21+70 TO STA. 23+50

12" BUTTERFLY VALVE - OTR

2" AIR VENT WITH TEMPORARY 12" PLUG

12" 45° BEND

12" 45° BEND

12" ADAPTOR COUPLING

TYPE "C" CATCH BASIN
STA. 25+00, 16 LT
T.F. = 467.30
INV. = 460.30

10 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
STA. 26+35, 16' LT
T.F. = 454.55
INV. = 449.00

27 L.F. - 12" RCP

2" AIR VENT WITH TEMPORARY 12" PLUG

27 L.F. - 12" RCP

12" 45° BEND

12" ADAPTOR COUPLING

128 L.F. - 4" EDGEDRAIN

RECONNECT EX. SERVICE

TYPE "C" CATCH BASIN
STA. 26+35, 16' RT
T.F. = 454.55
INV. = 448.70 (S,W)
INV. = 448.60 (N)

TYPE "C" CATCH BASIN
OVER 10' DEEP
STA.25+00, 16' RT
T.F. = 467.30
INV. = 460.00 (W)
INV. = 459.90 (N)

130 L.F. - 15" RCP WITH
128 L.F. - 4" EDGEDRAIN

12 L.F. - 15" RCP WITH
10 L.F. - 4" EDGEDRAIN

RELOCATE 70' - 12" WATER MAIN
(HORIZONTAL OFFSET)

12" 45° BEND

39 MOOSE HILL ROAD
N/F
ANNE E.GALLAGHER
VOL.356,PG.303

41 MOOSE HILL ROAD
N/F
JAMES & MARIE CULLAGH
VOL.276/,PG.85

49 MOOSE HILL ROAD
N/F
JOSEPH J. & DEBORAH E. HYATT
VOL.1327,PG.664

42 MOOSE HILL ROAD
N/F
BERNICE URBAN TRUSTEE
VOL.1280,PG.634

36 MOOSE HILL ROAD
N/F
JOHN R. BLACKWELL
VOL.1636,PG.64

46 MOOSE HILL ROAD
N/F
MICHAEL J. & ANNA M. VIOLA
VOL.970,PG.233

56 MOOSE HILL ROAD
N/F
LAUREN & LUIS HUERTA
VOL.1562,PG.936

FOR INFORMATION ONLY

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/23/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN RELOCATION PLAN

PROJECT NO.: L144-0001

DRAWING NO.: AWC-04

SHEET NO.: 06.06

MATCH LINE DRAWING NO. AWC-03

MATCH LINE DRAWING NO. AWC-07

HIGH POINT
STA.21+91.25
EL.=483.84

PVI STA.23+00.00
EL.=486.50

S=1.94%

S=-9.45%

EXISTING GRADE ALONG CONSTRUCTION BASELINE

PROPOSED GRADE ALONG CONSTRUCTION BASELINE

ASSUMED EXISTING WATER MAIN

PVC STA.21+35.00
EL.=483.30

12" BUTTERFLY VALVE - OTR

2" AIR VENT WITH TEMPORARY 12" PLUG

12" ADAPTOR COUPLING

LOWER 215' - 12" WATER MAIN TO 4.5' BELOW PROPOSED ROADWAY

RELOCATE HYDRANT (NEW)

RECONNECT EXISTING SERVICE

12" BUTTERFLY VALVE - OTR

2" AIR VENT WITH TEMPORARY 12" PLUG

12" ADAPTOR COUPLING

L.V.C.=330.00
S.S.D.=250
K=29

TYPE "C" CATCH BASIN

TYPE "C" CATCH BASIN OVER 10' DEEP

PVT STA.24+65.00
EL.=470.91

12" RCP

S=-9.35%

EXISTING GRADE ALONG CONSTRUCTION BASELINE

PROPOSED GRADE ALONG CONSTRUCTION BASELINE

ANGLE POINT
PVI STA.26+00.00
EL.=458.16

12" 45° BEND

TYPE "C" CATCH BASINS

12" 45° BEND

S=-9.20%

15" RCP

ASSUMED EXISTING WATER MAIN

12" RCP

12" ADAPTOR COUPLING

12" 45° BEND

15" RCP

12" RCP

2" AIR VENT WITH TEMPORARY 12" PLUG

OFFSET 20' - 12" WATER MAIN MIN. 12" BELOW PROPOSED STORM CROSSING

12" 45° BEND

485 480 475 470 465 460

485 480 475 470 465 460 455 450 445

470 465 460 455 450 445

21+00 21+50 22+00 22+50 23+00 23+50 24+00 24+50 25+00 25+50 26+00 26+50

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/23/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN RELOCATION PROFILE

PROJECT NO.: L144-0001

DRAWING NO.: AWC-05

SHEET NO.: 06.07

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NOTE: NEED TO OFFSET (HORIZ.) COULD BE REDUCED/ELIMINATED IF OFFSET "C" CATCH BASINS ARE UTILIZED AT STA. 26+35, STA. 28+50, STA. 30+07 AND STA. 31+65

198 L.F. - 4" EDGEDRAIN

12" 45° BENDS

TYPE "C" CATCH BASIN
STA. 28+50, 16' LT
T.F. = 439.48
INV. = 435.30

26 L.F. - 12" RCP

148 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN AND PIPES

TYPE "C" CATCH BASIN
STA. 30+06.7, 16' LT
T.F. = 436.16
INV. = 433.10 (W)
INV. 433.00 (E)

15" R.C. CULVERT END
STA. 30+24.9, 28.2' LT
INV. = 434.90

24 L.F. - 15" RCP

8" ADAPTOR COUPLING

12" BUTTERFLY VALVE - OTR

TYPE "C" CATCH BASIN
STA. 61+85, 19.2' RT
T.F. = 437.10
INV. = 430.50

LIMIT OF WETLAND

WHITEFIELD DRIVE

LOW POINT
STA. 61+83.99

LIMIT OF D.R.O.W.

84 L.F. - 4" EDGEDRAIN

30 L.F. - 12" RCP

TYPE "C" CATCH BASIN
STA. 61+85, 14.9' LT
T.F. = 437.19
INV. = 430.30 (S)
INV. = 430.20 (E)

28 L.F. - 12" RCP

TYPE "C" CATCH BASIN
OVER 10' DEEP
STA. 31+67, 19' LT
T.F. = 438.00
INV. = 430.00 (W)
INV. = 429.90 (E)

31 L.F. - 4" EDGEDRAIN

MOOSE HILL ROAD

27+00 28+00 29+00 30+00 31+00 32

61+00 62+00

LOW POINT
STA. 30+06.71

MANHOLE
STA. 30+22.7, 34.8' RT
T.F. = 435.80
INV. = 431.80

16 L.F. - 15" RCP

164 L.F. - 4" EDGEDRAIN

8" 45° BENDS

2" AIR VENT WITH TEMPORARY PLUG

8" GATE VALVE-OTR

12"x8" TEE

28 L.F. - 12" RCP

TYPE "C" CATCH BASIN
OVER 10' DEEP
STA. 31+65.4, 16' RT
T.F. = 438.06
INV. = 429.60 (W)
INV. = 429.50 (N)

31 L.F. - 4" EDGEDRAIN

31 L.F. - 15"RCP

REMOVE CATCH BASIN PLUG PIPES

24 L.F. - 15" RCP WITH 24 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN (4' SUMP)
STA. 30+06.7, 16' RT
T.F. = 436.16
INV. = 432.80 (S,W)
INV. = 432.70 (E)

25 L.F. - 15" RCP

CONNECT NEW 15" RCP TO EXISTING 15" RCP AT NEAREST JOINT

EXISTING DRAINAGE EASEMENT

REMOVE EXISTING MANHOLE

198 L.F. - 15" RCP WITH 198 L.F. - 4" EDGEDRAIN

RELOCATE EX. SERVICE

RELOCATE EX. SERVICE

TYPE "C" CATCH BASIN
STA. 28+50, 16' RT
T.F. = 439.48
INV. = 435.00 (S,W)
INV. = 433.90 (N)

12" BUTTERFLY VALVE - OTR

152 L.F. - 15" RCP WITH 150 L.F. - 4" EDGEDRAIN

RELOCATE EX. SERVICE

RELOCATE EX. SERVICE

MATCH LINE "A"

THE OUTLET SHALL BE CLEARED BY HAND AND 12" OF MODIFIED RIPRAP ON 6" OF GRANULAR FILL SHALL BE PLACED IN THE CHANNEL TO PROVIDE SEDIMENTATION AND EROSION PROTECTION. ALL WORK TO PERFORM THIS TASK SHALL BE INCLUDED IN THE ITEMS MODIFIED RIPRAP AND GRANULAR FILL.

MATCH LINE DRAWING NO. AWC-04

MATCH LINE DRAWING NO. AWC-08

MATCH LINE "A"

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/22/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN RELOCATION PLAN

PROJECT NO.: L144-0001

DRAWING NO.: AWC-06

SHEET NO.: 06.08

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L.V.C.=400.00
S.S.D.=204
K=37

ISD >490'
RIGHT

ISD = 149'
LEFT

PVC STA.26+60.00
EL.=452.58

Type "C" Catch Basin

S=9.29%

RECONNECT EXISTING SERVICE

RECONNECT EXISTING SERVICE

15" RCP

12" ACCMP

EXISTING GRADE ALONG
CONSTRUCTION BASELINE

PROPOSED GRADE ALONG
CONSTRUCTION BASELINE

TYPE "C" CATCH BASINS

12" RCP

12" RCP

S=9.29%

RECONNECT EXISTING SERVICE

RECONNECT EXISTING SERVICE

12" BUTTERFLY VALVE - OTR

S=1.43%

15" RCP

12" ACCMP

ASSUMED EXISTING
WATER MAIN

12" 45° BEND

12" 45° BEND

PVI STA.28+60.00
EL.=434.00

RECONNECT EXISTING SERVICE

RECONNECT EXISTING SERVICE

RECONNECT EXISTING SERVICE

TYPE "C" CATCH BASIN
(4' SUMP)

TYPE "C" CATCH BASIN

Type "C" Catch Basin

Type "C"
Catch Basin

MANHOLE

15" R.C. CULVERT
END

15" RCP

15" RCP

15" RCP

15" RCP

LOW POINT
STA.30+06.70
EL.=436.48

PVT STA.31+20.00
EL.=437.71

WHITEFIELD DRIVE B

TYPE "C"
CATCH BASIN
OVER 10'
DEEP

TYPE "C"
CATCH BASIN
OVER 10'
DEEP

S=1.43%

12" BUTTERFLY VALVE - OTR

PVC STA.31+80.00
EL.=438.57

12" RCP

15" RCP

12"x8" TEE
8" GATE VALVE-OTR
2" AIR VENT
2 - 8" 45° BENDS
TIE-IN TO EX.
8" WATER MAIN
ON WHITEFIELD DR.

MATCH LINE DRAWING NO. AWC-05

MATCH LINE DRAWING NO. AWC-09

455
450
445
440
435
430

26+50
27+00
27+50
28+00
28+50
29+00
29+50
30+00
30+50
31+00
31+50
32+00

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/22/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN:
TRUMBULL

DRAWING TITLE:
WATER MAIN
RELOCATION PROFILE

PROJECT NO.:
L144-0001

DRAWING NO.:
AWC-07

SHEET NO.:
06.09

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MATCH LINE DRAWING NO. AWC-06

MATCH LINE DRAWING NO. AWC-10

MOOSE HILL ROAD

33+00 34+00 35+00 36+00

6 WHITEFIELD DRIVE
N/F
EMMANUEL TRIBIE
& PEGGY B. TRIBIE
VOL.928,PG.327

91 MOOSE HILL ROAD
N/F
AMY MORAIS & KAREN A LEWELLYN
VOL.1526,PG.520

97 MOOSE HILL ROAD
N/F
ANNA THOMPSON
VOL.226,PG.461

99 MOOSE HILL ROAD
N/F
KEITH A. & MARTHA F. MAJERSKY
VOL.970,PG.710

82 MOOSE HILL ROAD
N/F
NEIL & GAIL SANTOSSIO
VOL.935,PG.494

88 MOOSE HILL ROAD
N/F
CARLOS H. & ANGELA C. MORALES
VOL.1450,PG.588

98 MOOSE HILL ROAD
N/F
JAMES & JENNIFER LINDINE
VOL.1438,PG.686

28 L.F. - 4" EDGEDRAIN

12" BUTTERFLY VALVE - OTR

12"x6" TEE
6" GATE VALVE - OTR

RECONNECT EX. SERVICE

2" AIR VENT WITH TEMPORARY 12" PLUG

12" ADAPTOR COUPLING

254 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
STA. 34+90, 16' LT
T.F. = 430.82
INV. = 424.30

27 L.F. - 12" RCP

155 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN
PLUG 15" CMP

12" 45° BEND

12" 45° BEND

RELOCATE HYDRANT (NEW)

28 L.F. - 4" EDGEDRAIN

289 L.F. - 15" RCP

HIGH POINT
STA. 32+30.23

254 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN
AND 12" CMP

157 L.F. - 15" RCP WITH
155 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
STA. 34+90, 16' RT
T.F. = 430.82
INV. = 425.40 (S)
INV. = 424.00 (W)
INV. = 423.90 (N)

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/22/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

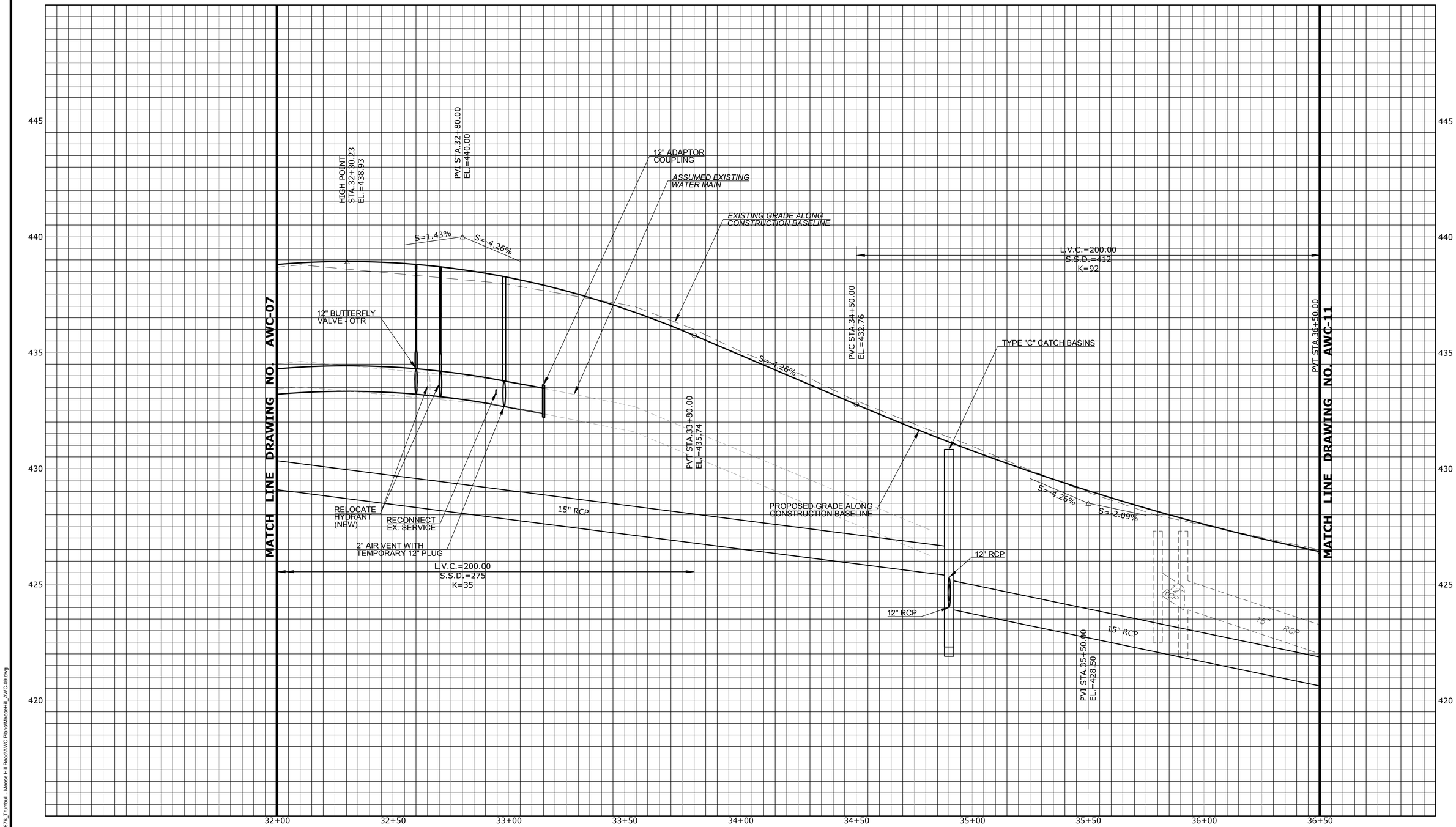
DRAWING TITLE: WATER MAIN RELOCATION PLAN

PROJECT NO.: L144-0001

DRAWING NO.: AWC-08

SHEET NO.: 06.10

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FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/22/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN RELOCATION PROFILE

PROJECT NO.: L144-0001

DRAWING NO.: AWC-09

SHEET NO.: 06.11

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MATCH LINE DRAWING NO. AWC-08

MATCH LINE DRAWING NO. AWC-12

99 MOOSE HILL ROAD
N/F
KEITH A. & MARTHA F. MAJERSKY
VOL.970,PG.710

107 MOOSE HILL ROAD
N/F
JUAN ANTONIO & CECILIA L. CACERES,
SHUJI OKI & HILDA E. OKI
VOL.683,PG.423

100 MOOSE HILL ROAD
N/F
BRADLEY T. & NANCY V. DOBBS
VOL.956,PG.253

PARCEL G01-12
N/F
WASYL PELESCHUK
VOL.1336,PG.743

110 MOOSE HILL ROAD
N/F
FERNANDO ABREGO &
ELIZABETH GONZALEZ
VOL.1436,PG.353

MOOSE HILL ROAD

37+00 38+00 39+00 40+00

TYPE "C" CATCH BASIN
OVER 10' DEEP
STA. 37+20, 16' LT
T.F. = 424.63
INV. = 417.20

67 L.F. - 4" EDGEDRAIN

27 L.F. - 12" RCP

200 L.F. - 4" EDGEDRAIN

REMOVE CATCH BASIN
AND 15" CMP (E)
PLUG 15" CMP (S)

RECONNECT
EX. SERVICE

2" AIR VENT WITH
TEMPORARY 12" PLUG

12" 45° BEND

12" 45° BENDS (VERTICAL)

TYPE "C" CATCH BASIN
STA. 39+29.6, 16' LT
T.F. = 415.26
INV. = 410.30

27 L.F. - 15" RCP

162 L.F. - 4" EDGEDRAIN

12" 22½° BENDS (VERTICAL)

12" 45° BEND

12" ADAPTOR COUPLING

REMOVE EXISTING 15" CMP

PLUG EXISTING 15" CMP

68 L.F. - 15" RCP WITH
68 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
OVER 10' DEEP
STA. 37+20, 16' RT
T.F. = 424.63
INV. = 419.20 (S)
INV. = 416.90 (W)
INV. = 416.70 (N)

207 L.F. - 15" RCP WITH
205 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
STA. 39+29.6, 16' RT
T.F. = 415.26
INV. = 410.00 (S,W)
INV. = 409.90 (N)

162 L.F. - 4" EDGEDRAIN

PLUG EXISTING 15" CMP

168 L.F. - 18" RCP

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/23/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

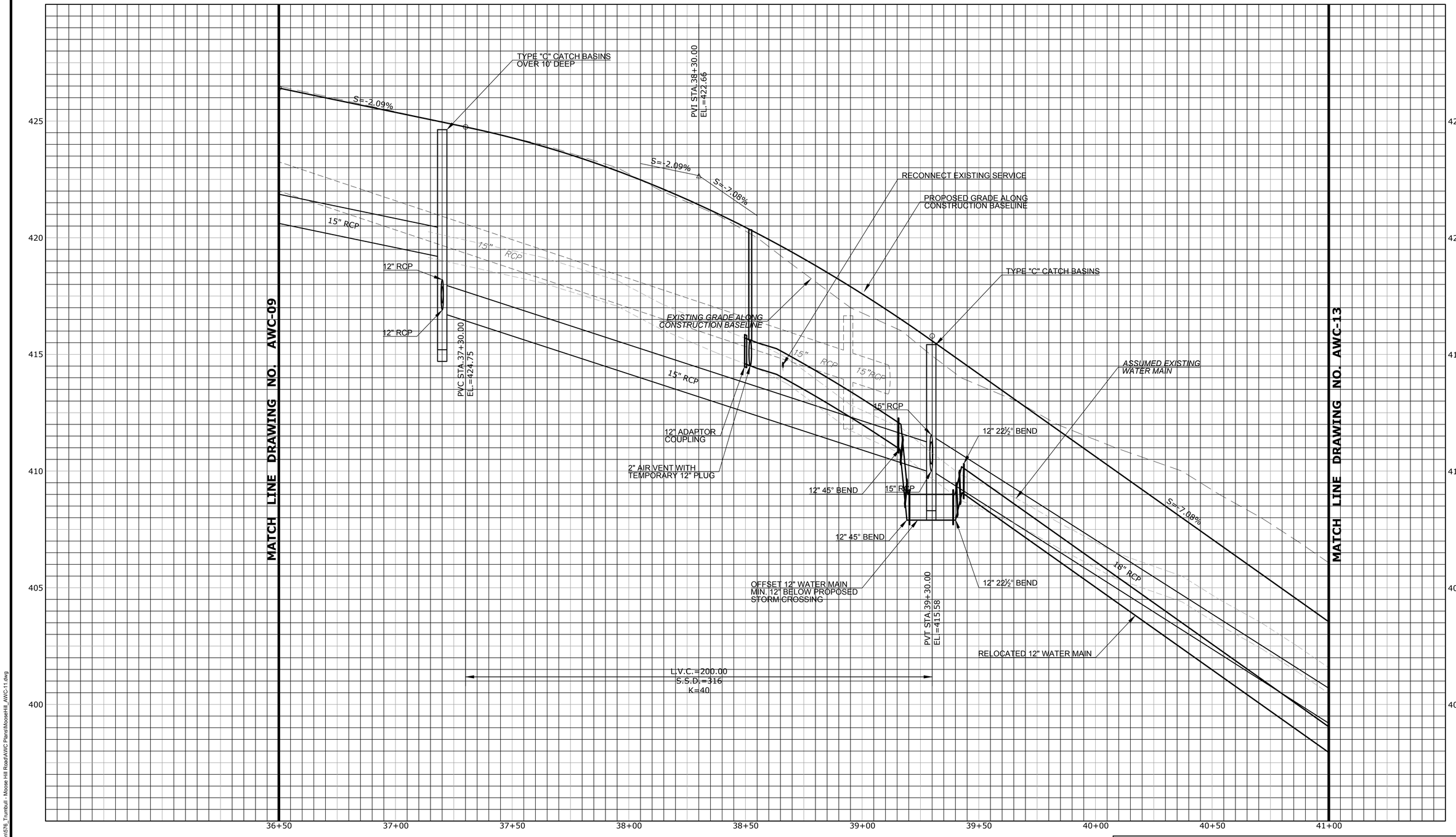
DRAWING TITLE: WATER MAIN
RELOCATION PLAN

PROJECT NO.: L144-0001

DRAWING NO.: AWC-10

SHEET NO.: 06.12

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FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/22/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET

0 20 40

SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:

RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN RELOCATION PROFILE

PROJECT NO.: L144-0001

DRAWING NO.: AWC-11

SHEET NO.: 06.13

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MATCH LINE DRAWING NO. AWC-10

TYPE "C" CATCH BASIN
STA. 70+63.7, 15' RT
T.F. = 392.58
INV. = 389.20

REMOVE CATCH BASIN AND PIPE

94 L.F. - 4" EDGEDRAIN

2" AIR VENT WITH TEMPORARY 12" PLUG

TYPE "C" CATCH BASIN
STA. 42+14.9, 20.2' LT
T.F. = 396.45
INV. = 392.30

12" BUTTERFLY VALVE - OTR

32 L.F. - 15" RCP

114 L.F. - 4" EDGEDRAIN

25 L.F. - 15" RCP

10 L.F. - 15" RCP

5 L.F. - 15" ACCMP

MANHOLE
STA. 70+52, 18.6' LT
T.F. = 393.52
INV. = 388.75 (E)
INV. =387.37 (W)

TYPE "C" CATCH BASIN
STA. 70+63.7, 15' LT
T.F. = 392.58
INV. = 389.00 (S)
INV. = 388.90 (NW)

REMOVE CATCH BASIN AND PIPE

LIMIT OF WETLAND

LOW POINT
STA. 70+63.02

89 L.F. - 4" EDGEDRAIN

51 L.F. - 4" EDGEDRAIN

LIMIT OF D.R.O.W.

12" ADAPTOR COUPLING

12" 45° BEND

12" 45° BEND

12" 45° BEND (VERTICAL) WITH TANDEM MEGALUGS

12" 45° BEND (VERTICAL) (TR-FLEX)

16' - 18" D.I.P. CASING WITH
20' - 12" D.I.P. WATER MAIN (TR-FLEX)

52 L.F. - 8'x3' PRECAST CONCRETE
BOX CULVERT WITH 6" GRAVEL
STREAM BED MATERIAL

12" 45° BEND (VERTICAL) (TR-FLEX)

LIMIT OF D.R.O.W.

12" 45° BEND (VERTICAL) WITH TANDEM MEGALUGS

12" 45° BEND

18 L.F. - 4" EDGEDRAIN

12" 45° BEND

LIMIT OF WETLAND

12" ADAPTOR COUPLING

TYPE "C" CATCH
STA. 44+01.44, 16' LT
T.F. = 391.05
INV. = 388.26

26 L.F. - 12" DIP WITH
26 L.F. - 4" EDGEDRAIN

52 L.F. - 4" EDGEDRAIN

82 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH
STA. 45+40, 14.27' LT
T.F. = 390.79
INV. (W)= 388.67

LOW POINT
STA. 45+40.08

56 L.F. - 4" EDGEDRAIN

56 L.F. - 4" EDGEDRAIN

24 L.F. - 12" DIP WITH
24 L.F. - 4" EDGEDRAIN

SPECIAL TEST PIT (BY AWC CONTRACTOR)

TYPE "C" CATCH
STA. 45+40, 16' RT
T.F. = 390.79
INV. (W)= 388.57
INV. (S)= 388.57

82 L.F. - 4" EDGEDRAIN

135 L.F. - 12" DIP

50 L.F. - 4" EDGEDRAIN

LIMIT OF WETLAND

TYPE "C" CATCH BASIN
(4' SUMP)
STA. 44+01.44 16' RT
T.F. = 391.05
INV. (N,W) = 388.00
INV. (S) = 388.00

31 L.F. - 12" DIP

12" RCP
INV. = 387.60

30 L.F. - 4" EDGEDRAIN

TYPE "C" CATCH BASIN
STA. 43+35, 16' RT
T.F. = 391.99
INV. = 388.00 (S)
INV. = 387.90 (N)

6 L.F. - 24" RCP WITH
6 L.F. - 4" EDGEDRAIN

HYDRODYNAMIC SEPARATOR
(SITE NO. 1)
STA. 43+48, 15' RT
T.F. = 391.68
INV. = 387.80

17 L.F. - 24" RCP

LIMIT OF D.R.O.W.

24" RCP
INV. = 387.60

TYPE "C" CATCH BASIN
STA. 42+15.1, 16' RT
T.F. = 396.60
INV. = 392.00 (S,W)
INV. = 390.60 (N)

118 L.F. - 4" EDGEDRAIN

112 L.F. - 18" RCP

12" 45° BEND

12" ADAPTOR COUPLING

LIMIT OF WETLAND

114 L.F. - 24" RCP WITH
114 L.F. - 4" EDGEDRAIN

ROAD GORGE DEEP

WITKOWSKI BROOK

TRUMBULL
SHELTON

TOWN LINE

MOOSE HILL ROAD

35'

15'

180°

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.
1	5/03/17	Revised Street Line per Town of Trumbull	

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 2/23/2018

DESIGNER/DRAFTER: DBH/AP

CHECKED BY: RJN

SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN RELOCATION PLAN

PROJECT NO.: L144-0001

DRAWING NO.: AWC-12

SHEET NO.: 06.14

Q:\Projects\Luchs Projects\25037 Aquarion\57b_Trumbull - Moose Hill Road\AWC Plans\MooseHill_AWC-12.dwg

ISD >490' RIGHT

ISD = 390' LEFT

L.V.C.=280.00
S.S.D.=202
K=37

L.V.C.=90.00
S.S.D.=1161
K=45

MATCH LINE DRAWING NO. PRO-6

PVC STA.41+40.00
EL.=400.71

TYPE "C" CATCH BASIN

TYPE "C" CATCH BASIN

S=-7.08%

18" RCP

15" RCP

RELOCATED 12" WATER MAIN

15" RCP

S=-7.08%

24" RCP

S=0.50%

12" BUTTERFLY VALVE - OTR

2" AIR VENT WITH TEMPORARY 12" PLUG

12" ADAPTOR COUPLING

ASSUMED EXISTING WATER MAIN

DEEP GORGE ROAD @

EXISTING GRADE ALONG CONSTRUCTION BASELINE

PROPOSED GRADE ALONG CONSTRUCTION BASELINE

8' x 3' PRECAST CONCRETE BOX CULVERT WITH 6" GRAVEL STREAM BED MATERIAL

HYDRODYNAMIC SEPARATOR

TYPE "C" CATCH BASIN (4' SUMP)

TYPE "C" CATCH BASIN (WITH 4' SUMP)

PVT STA.44+20.00
EL.=391.49

HIGH POINT
STA.44+55.07
EL.=391.62

PVI STA.44+65.00
EL.=391.72

PVRC STA.44+95.00
EL.=391.42

PVT STA.45+85.00
EL.=391.42

PVI STA.46+00.00
EL.=391.57

TYPE "C" CATCH BASIN

S=0.50%

S=1.00%

S=1.00%

S=1.00%

24" RCP

24" RCP

24" RCP

30" RCP

12" DIP

12" DIP

12" DIP

12" DIP

PVI STA.42+80.00
EL.=390.79

12" ADAPTOR COUPLING

12" 45° BEND (HORIZONTAL)

12" 45° BEND (HORIZONTAL)

12" 45° BEND WITH TANDEM MEGALUGS

12" 45° BEND

16' - 18" D.I.P. CASING WITH 20' - 12" D.I.P. WATER MAIN (TR-FLEX)

FOR ADDITIONAL DETAILS SEE DRAWING AWC-14

LOW POINT
STA.44+01.44
EL.=391.45

12" ADAPTOR COUPLING

12" 45° BEND (HORIZONTAL)

12" 45° BEND (HORIZONTAL)

12" 45° BEND WITH TANDEM MEGALUGS

12" 45° BEND (TR-FLEX)

PVC STA.44+35.00
EL.=391.57

L.V.C.=60.00
S.S.D.=748
K=40

PVI STA.45+40.00
EL.=390.97

405
400
395
390
385
380

41+50
42+00
42+50
43+00
43+50
44+00
44+50
45+50
46+00

Q:\Projects\Luchs Projects\25307 Aquarion\576_Trumbull - Moose Hill Road\AWC Plans\MooseHill_AWC-13.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs
CONSULTING ENGINEERS

DATE PLOTTED: 2/23/2018

DESIGNER/DRAFTER: DBH/AP
CHECKED BY: RJN
SCALE IN FEET
0 20 40
SCALE 1"=20'

AQUARION

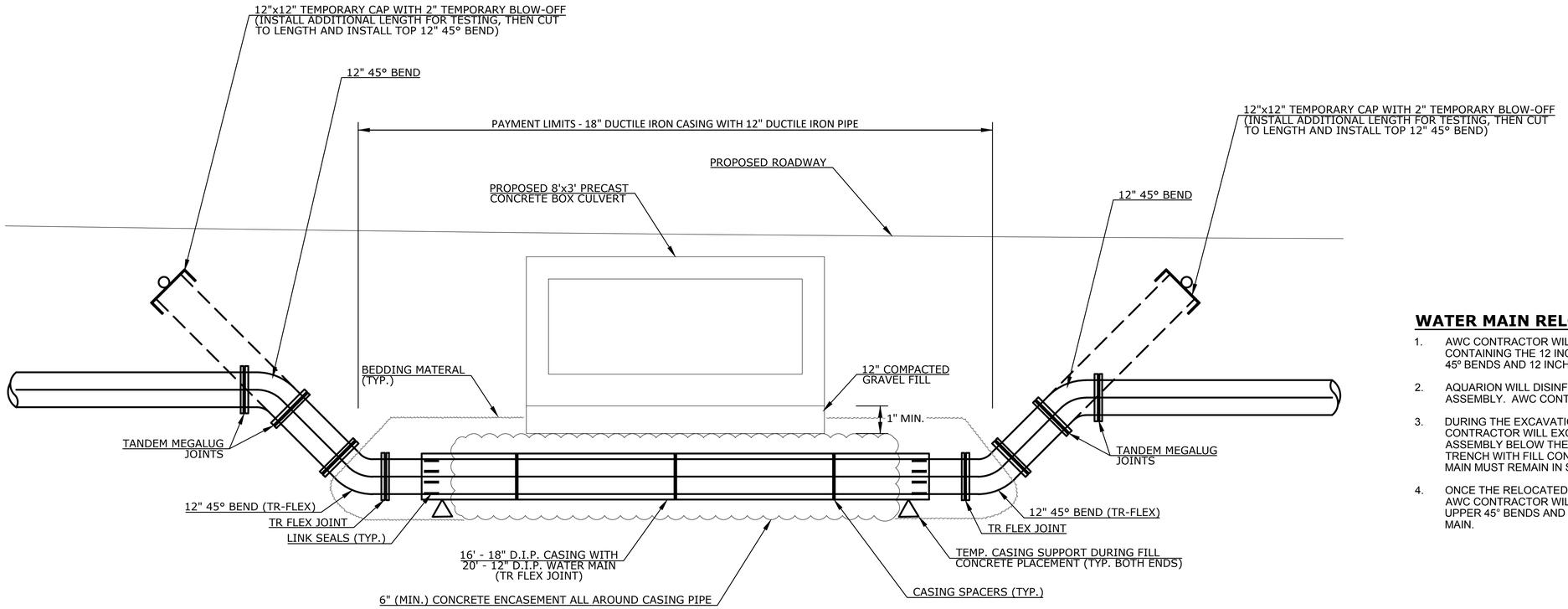
FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN RELOCATION PROFILE

PROJECT NO.: L144-0001
DRAWING NO.: AWC-13
SHEET NO.: 06.15



WATER MAIN BELOW CULVERT
ELEVATION
SCALE: 1"=5'

WATER MAIN RELOCATION SEQUENCE

1. AWC CONTRACTOR WILL ASSEMBLE ON-SITE THE DUCTILE IRON CASING CONTAINING THE 12 INCH DUCTILE IRON (TR FLEX) WATER MAIN, LOWER 45° BENDS AND 12 INCH (TR FLEX) D.I. RISER PIPES WITH TEMPORARY CAPS.
2. AQUARION WILL DISINFECT AND PRESSURE TEST THE COMPLETED ASSEMBLY. AWC CONTRACTOR TO REPAIR ANY LEAKAGE AT HIS EXPENSE.
3. DURING THE EXCAVATION FOR THE BOX CULVERT SEGMENT, THE TOWN'S CONTRACTOR WILL EXCAVATE FOR AND INSTALL THE ENCASED WATER MAIN ASSEMBLY BELOW THE PROPOSED BOX CULVERT, BACKFILLING THE WATER TRENCH WITH FILL CONCRETE. THE EXISTING 12 INCH CAST IRON WATER MAIN MUST REMAIN IN SERVICE DURING THIS WORK EFFORT.
4. ONCE THE RELOCATED WATER MAIN IS IN PLACE BELOW THE CULVERT, THE AWC CONTRACTOR WILL REMOVE ANY EXCESS PIPE LENGTH, ATTACH UPPER 45° BENDS AND COMPLETE THE OFFSET TO THE EXISTING WATER MAIN.

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

Luchs CONSULTING ENGINEERS

DATE PLOTTED: 3/09/2018

DESIGNER/DRAFTER: DBH/AP
CHECKED BY: RJN
SCALE AS NOTED

AQUARION

FILENAME:

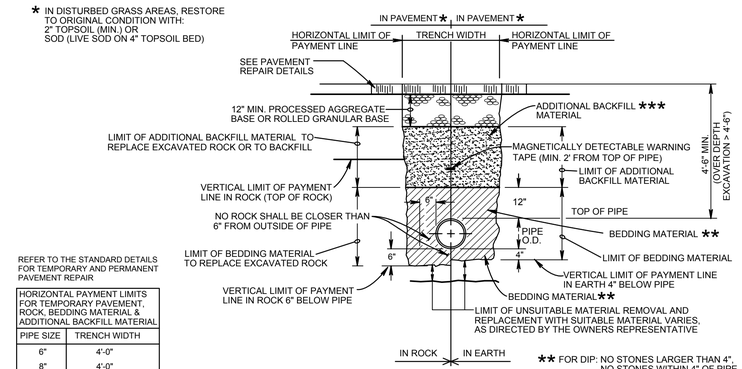
PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: WATER MAIN
RELOCATION AT BROOK

PROJECT NO.: L144-0001
DRAWING NO.: AWC-14
SHEET NO.: 06.16

Q:\Projects\Luchs Projects\29307 Aquarion\976_Trumbull - Moose Hill Road\AWC Plans\MooseHill_AWC-14.dwg

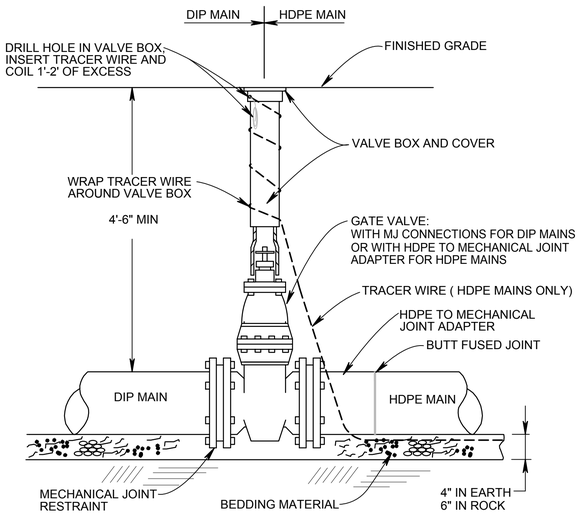


REFER TO THE STANDARD DETAILS FOR TEMPORARY AND PERMANENT PAVEMENT REPAIR

HORIZONTAL PAYMENT LIMITS FOR TEMPORARY PAVEMENT, ROCK, BEDDING MATERIAL & ADDITIONAL BACKFILL MATERIAL	
PIPE SIZE	TRENCH WIDTH
6"	4'-0"
8"	4'-0"
12"	4'-0"
16"	4'-0"
20"	5'-0"
24"	5'-0"
30"	6'-0"
36"	6'-0"

NOTE: IF TRENCH BOXES ARE USED ADD 2' TO ALL TRENCH WIDTHS

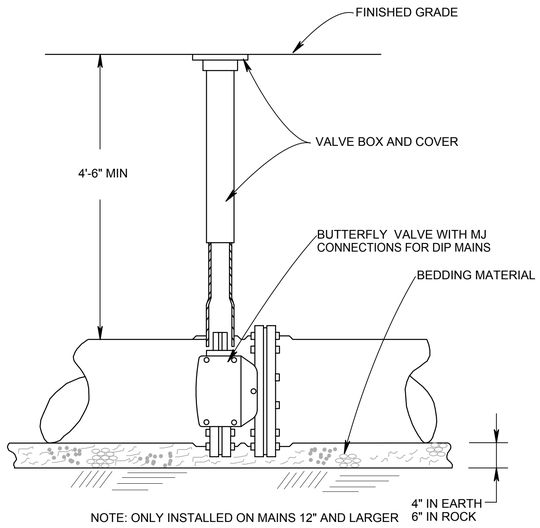
SD-1 TYPICAL TRENCH DETAIL
NOT TO SCALE



NOTE: ONLY INSTALLED ON MAINS 8" AND SMALLER

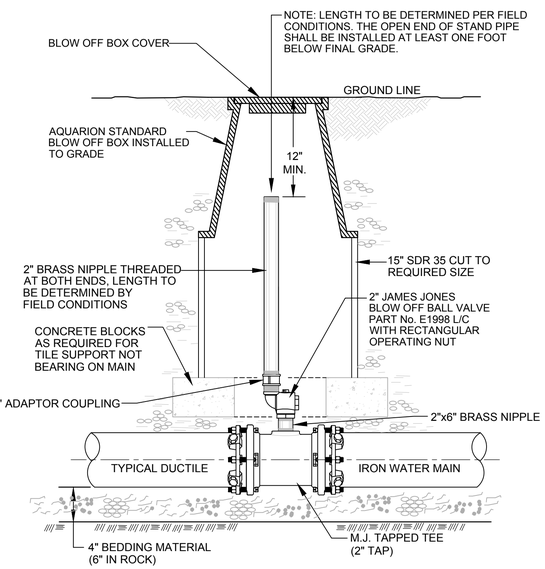
NOTE: FOR CONTINUOUS HDPE MAINS, INSTALL TRACER WIRE UNDER ALL VALVES AND FITTINGS. FOR TERMINATION POINTS, INSTALL TRACER WIRE AROUND VALVE BOXES AS SHOWN ABOVE.

SD-2 GATE VALVE
NOT TO SCALE

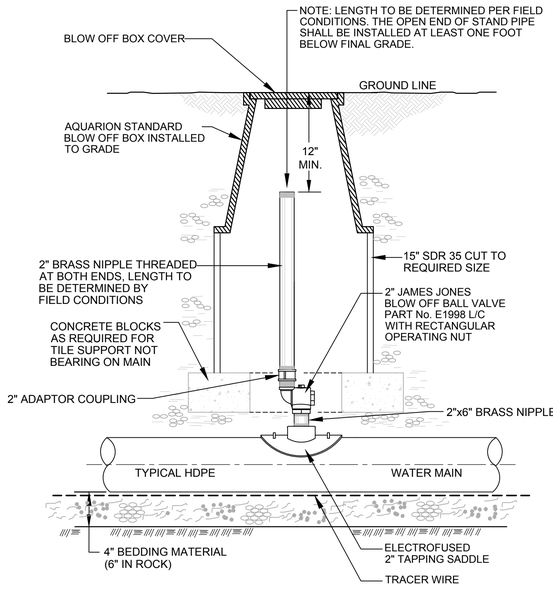


NOTE: ONLY INSTALLED ON MAINS 12" AND LARGER

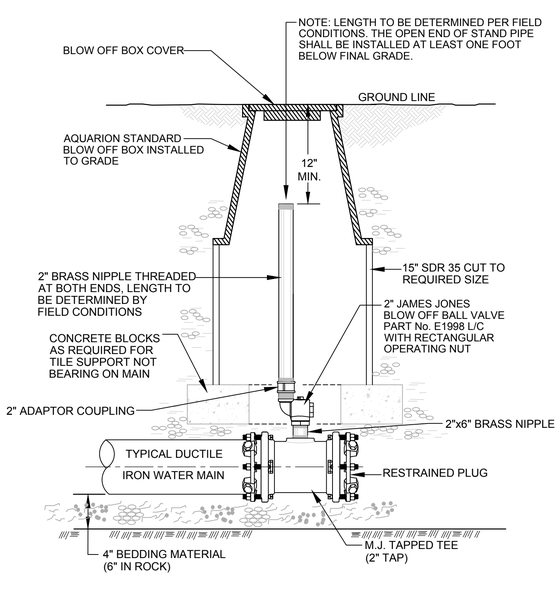
SD-3 BUTTERFLY VALVE
NOT TO SCALE



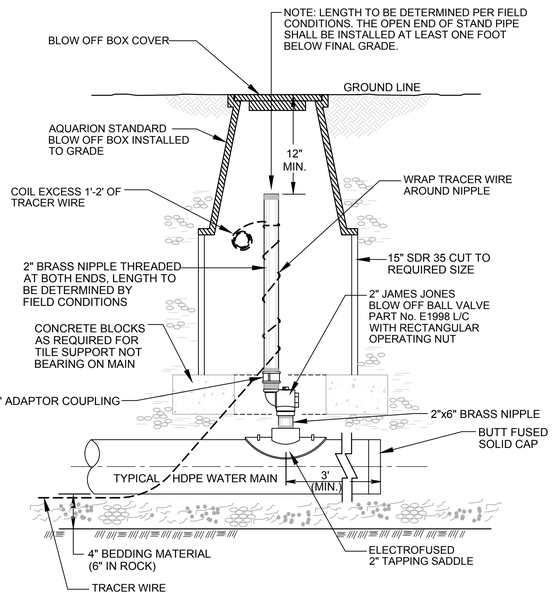
SD-4 ON LINE AIR VENT/BLOW-OFF (DIP)
NOT TO SCALE



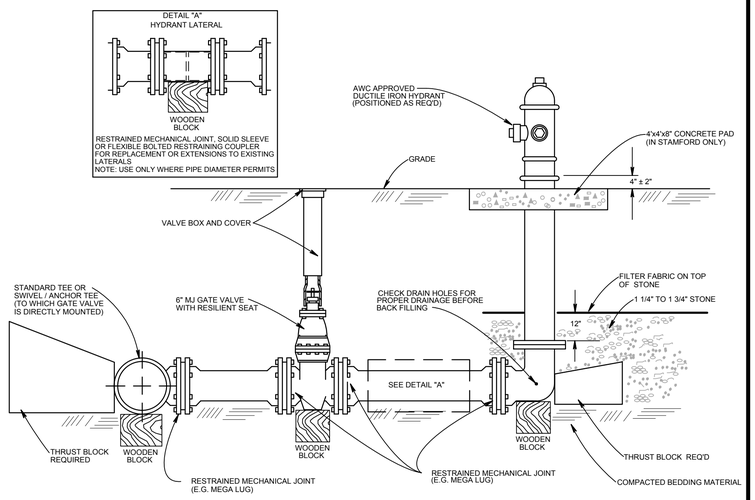
SD-5 ON LINE AIR VENT/BLOW-OFF (HDPE)
NOT TO SCALE



SD-6 BLOW-OFF @ DEAD END (DIP)
NOT TO SCALE



SD-7 BLOW-OFF @ DEAD END (HDPE)
NOT TO SCALE



SD-8 HYDRANT ASEMBLY (DIP)
NOT TO SCALE

FOR INFORMATION ONLY

REV.	DATE	DESCRIPTION	SHEET. NO.
		REVISIONS	

FILENAME Q:\Projects\Luchs Projects\25037 Aquarion\576_Trumbull - Moose Hill Road\AWC Plans\MooseHill_AWC-15.dwg

DESIGNER: MLF
DRAFTER: MP
CHECKED BY:
DATE CHECKED:

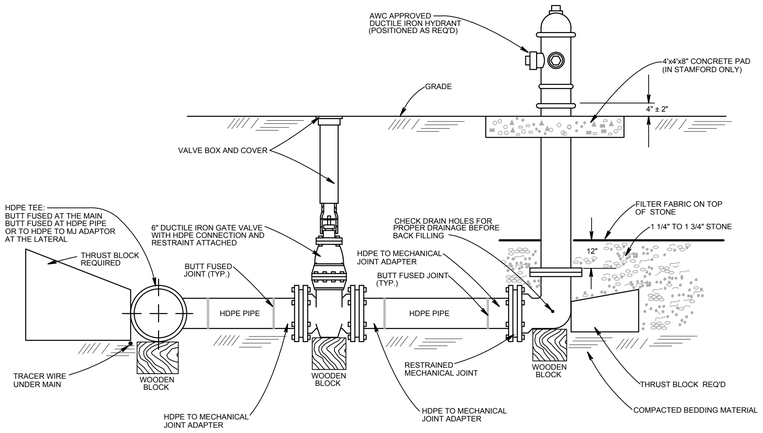
AQUARION

ENGINEER: LUCHS CONSULTING ENGINEERS, LLC
APPROVED BY: DATE: 05/26/2017

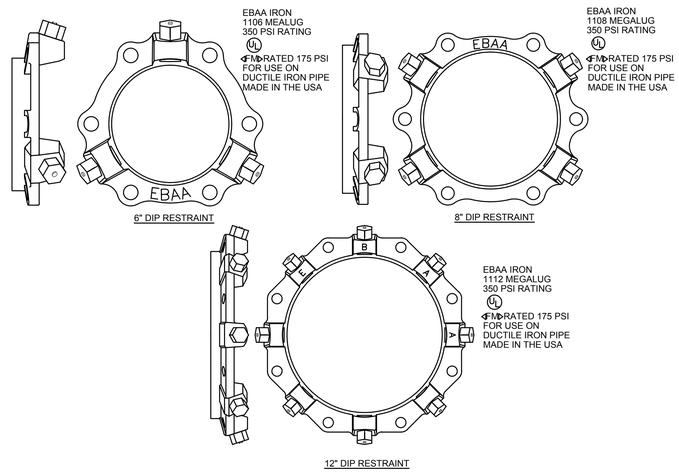
PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD
CADD
PLOTTED: 2/15/2018

TOWN: TRUMBULL
DRAWING TITLE: STANDARD DETAILS

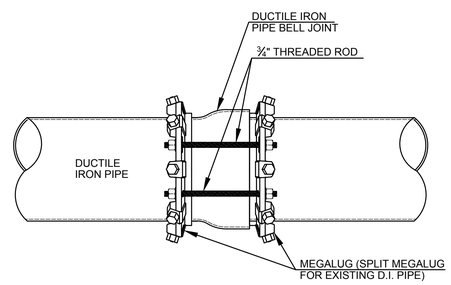
PROJECT NO.: L144-0001
DRAWING NO.: AWC-15
SHEET NO.: 06.17



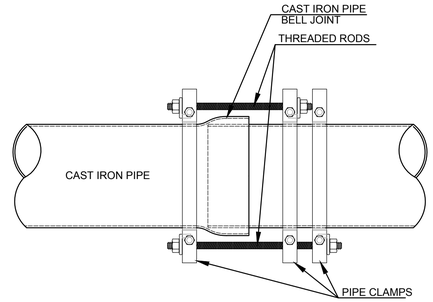
SD-9 HYDRANT ASEMBLY (HDPE)
NOT TO SCALE



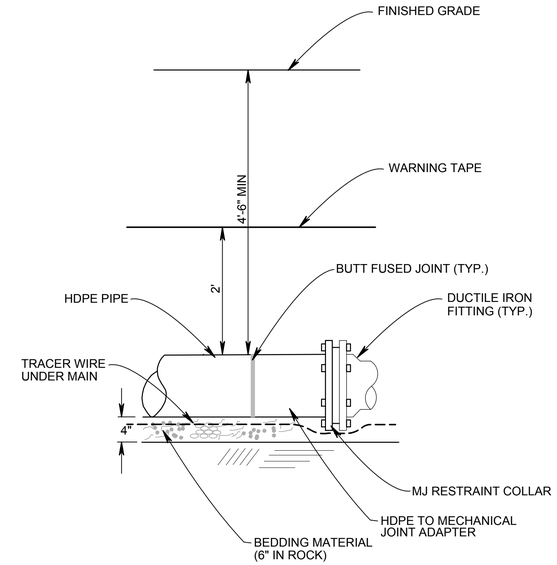
SD-10 DUCTILE IRON PIPE RESTRAINTS
NOT TO SCALE



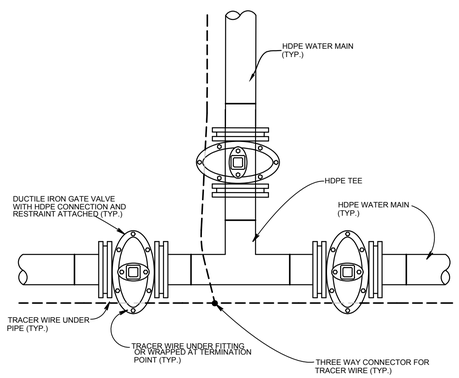
SD-10a RESTRAINT FOR DUCTILE IRON JOINT
NOT TO SCALE



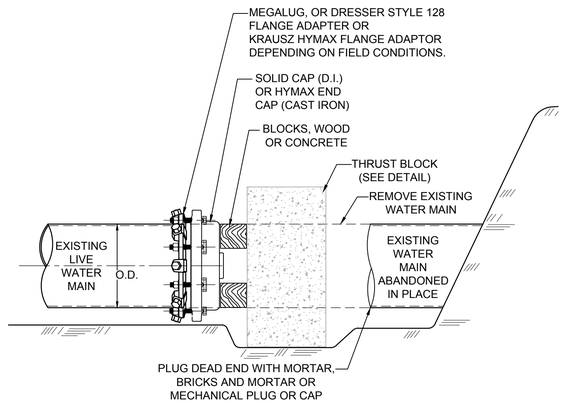
SD-10b RESTRAINT FOR CAST IRON JOINT
NOT TO SCALE



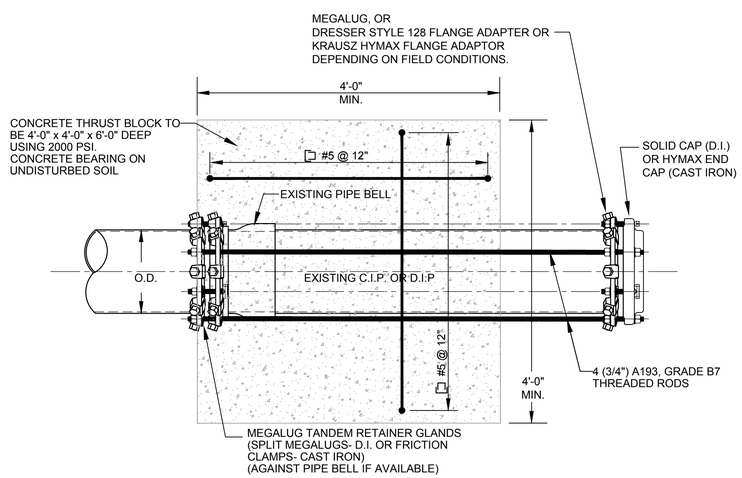
SD-11 HDPE TO MECHANICAL JOINT ADAPTOR
NOT TO SCALE



SD-12 TRACER WIRE
NOT TO SCALE



SD-13a CUT AND CAP WATER MAIN
NOT TO SCALE



SD-13b CONCRETE THRUST BLOCK WITH PERMANENT END CAP
NOT TO SCALE

FOR INFORMATION ONLY

REV.	DATE	DESCRIPTION	SHEET. NO.
		REVISIONS	

FILENAME: Q:\Projects\Luchs Projects\25037 Aquarion\576_Trumbull - Moose Hill Road\AWC Plans\MooseHill_AWC-16.dwg

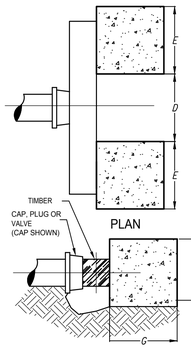
DESIGNER: MLF
DRAFTER: MP
CHECKED BY:
DATE CHECKED:

AQUARION
ENGINEER: LUCHS CONSULTING ENGINEERS, LLC
APPROVED BY: DATE: 05/26/2017

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD
CADD
PLOTTED: 2/15/2018

TOWN: TRUMBULL
DRAWING TITLE: STANDARD DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: AWC-16
SHEET NO.: 06.18



PLAN

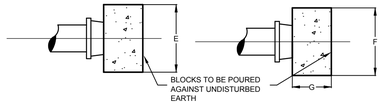
ELEVATION

PIPE DIAM. IN	BLOCK DIMENSIONS E IN	F IN	G IN	CONCRETE VOLUME CU. YD.
4	NONE REQUIRED			
6	12	12	12	0.07
8	16	16	16	0.18
10	20	20	20	0.34
12	24	24	24	0.59
16	32	32	32	1.40

PIPE DIAM. IN	TIMBER NO. BEAMS	NOM. SIZE	LENGTH IN	CLEARANCE D IN.
4	NONE REQUIRED			
6	1	6"x6"	34	18
8	1	8"x8"	42	20
10	1	10"x10"	48	22
12	1	12"x12"	56	24
16	2	10"x10"	72	30

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. TIMBER TO BE DOUGLAS FIR CONSTRUCTION GRADE OR BETTER HORIZONTAL SHEAR 120 psi.
4. PROVIDE TAMPED BACKFILL AND/OR BLOCKING TO SUPPORT TIMBER.

SD-13 THRUST BLOCKS AT DEAD ENDS
NOT TO SCALE

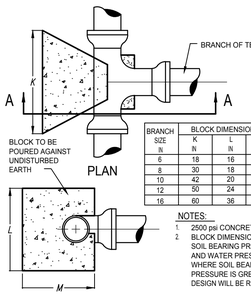


PLAN ELEVATION

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. FOR USE ON ABANDONED LINES AND DEAD ENDS WHERE NO EXTENSION IS CONTEMPLATED.

PIPE DIAM. IN	BLOCK DIMENSIONS E IN	F IN	G IN	CONCRETE VOLUME CU. YD.
6	20	16	12	0.09
8	28	20	12	0.15
10	30	24	12	0.19
12	42	30	14	0.40
16	52	42	18	0.85

CAPS, PLUGS AND VALVES



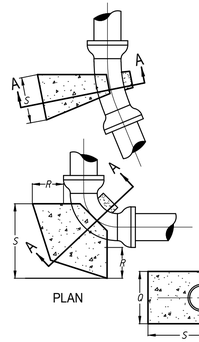
PLAN SECTION AA

BRANCH SIZE IN	BLOCK DIMENSIONS K IN	L IN	M IN	CONCRETE VOLUME CU. YD.
6	18	16	12	0.09
8	30	18	12	1.15
10	42	20	12	0.24
12	50	24	16	0.42
16	60	36	24	1.12

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.

SD-14 THRUST BLOCKS AT TEES, CAPS, PLUGS & VALVES
NOT TO SCALE

TEES

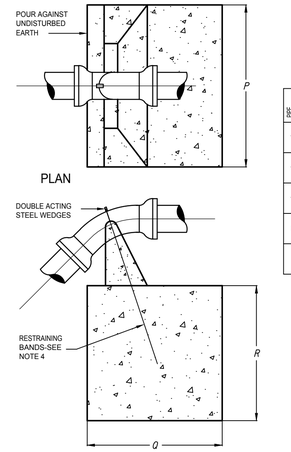


PLAN SECTION AA

PIPE DIAM IN	BEND	BLOCK DIMENSIONS S IN.	Q IN.	R IN.	CONCRETE VOLUME CU YD
16	90	48	48	48	2.37
	45	48	34	20	0.70
	22 1/2	42	20	18	0.35
	11 1/4				SEE NOTE 3
12	90	36	36	36	1.00
	45	36	24	18	0.33
	22 1/2	28	18	12	0.13
	11 1/4				SEE NOTE 3
10	90	30	30	30	0.60
	45	30	20	18	0.23
	22 1/2	22	16	12	0.09
	11 1/4				SEE NOTE 3
8	90	24	24	24	0.30
	45	24	16	12	0.20
	22 1/2	18	12	12	0.11
	11 1/4				SEE NOTE 3
6	90	18	18	18	0.25
	45	18	12	12	0.11
	22 1/2	12	12	12	0.07
	11 1/4				SEE NOTE 3

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. SEE SAG VERTICAL (ABOVE)

SD-15 THRUST BLOCKS AT HORIZONTAL BENDS
NOT TO SCALE



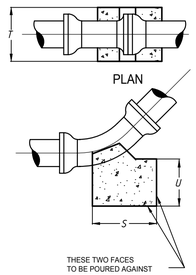
PLAN ELEVATION

NOTE:
IN ADDITION TO THE CONCRETE THRUST BLOCKS, ALL FITTINGS TO BE TIED TOGETHER WITH 3/4" GALVANIZED THREADED RODS, AND ANY OTHER SPECIALS AS DIRECTED BY THE WATER COMPANY.

PIPE DIAM IN	BEND	BLOCK DIMENSIONS P IN.	Q IN.	R IN.	CONCRETE VOLUME CU YD.
16	45	72	60	56	5.2
	22 1/2	60	48	44	2.7
	11 1/4	60	36	36	1.7
12	45	60	48	48	3.0
	22 1/2	42	42	40	1.5
	11 1/4	34	34	34	0.84
10	45	54	42	42	2.0
	22 1/2	36	36	36	1.0
	11 1/4	30	30	30	0.58
8	45	48	36	36	1.3
	22 1/2	32	32	32	0.71
	11 1/4	26	26	26	0.38
6	45	42	30	28	0.76
	22 1/2	26	26	26	0.38
	11 1/4	24	24	24	0.30

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. WHERE 90° CREST VERTICAL BEND IS REQUIRED APPROVAL MUST FIRST BE OBTAINED FROM THE ENGINEER. A SPECIAL DESIGN WILL BE REQUIRED.
4. 2 - # 6 REINFORCING RODS REQUIRED FOR 16" 45° BEND; 1 - # 6 REINFORCING ROD REQUIRED FOR ALL OTHER BENDS. EXPOSED BARS TO BE PROVIDED WITH PROTECTIVE COATING.

SD-16 THRUST BLOCKS AT CREST VERTICAL BENDS
NOT TO SCALE

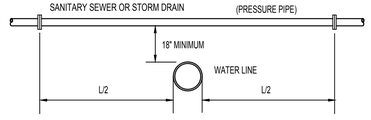


PLAN ELEVATION

PIPE DIAM IN	BEND	BLOCK DIMENSIONS S IN.	T IN.	U IN.	CONCRETE VOLUME CU. YD.
16	90	48	48	48	2.40
	45	48	34	20	0.70
	22 1/2	42	20	18	0.35
	11 1/4				SEE NOTE 3
12	90	36	36	36	1.00
	45	36	24	18	0.34
	22 1/2	28	18	12	0.13
	11 1/4				SEE NOTE 3
10	90	30	30	30	0.60
	45	30	20	18	0.23
	22 1/2	22	16	12	0.10
	11 1/4				SEE NOTE 3
8	90	24	24	24	0.30
	45	24	16	12	0.10
	22 1/2	18	12	12	0.06
	11 1/4				SEE NOTE 3
6	90	18	18	18	0.13
	45	18	12	12	0.06
	22 1/2	12	12	12	0.04
	11 1/4				SEE NOTE 3

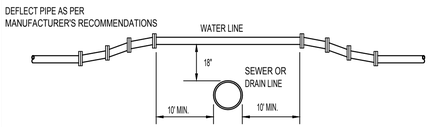
NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. BEND TO BE SET AGAINST UNDISTURBED EARTH, BACKFILL TO BE FIRMLY TAMPED, OR BLOCK TO BE FURNISHED AS DIRECTED BY THE ENGINEER.

SD-17 THRUST BLOCKS AT SAG VERTICALBENDS
NOT TO SCALE



NOTE :
WHERE WATER LINE PASSES BENEATH SEWER LINE OR STORM DRAIN, THE JOINTS OF THE PIPE SHALL BE A MIN. OF 10' FROM THE POINT OF CROSSING.

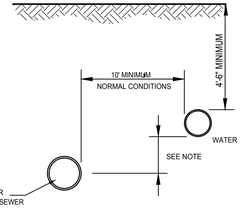
CROSSING OF WATER LINE UNDER SANITARY SEWER OR STORM DRAIN



NOTE :
FOR ANY CONDITIONS OTHER THAN SHOWN ABOVE THE FOLLOWING REQUIREMENTS SHALL BE MET. THE JOINTS OF THE SANITARY SEWER OR STORM DRAIN SHALL BE A MINIMUM OF 10' FROM THE POINT OF CROSSING.

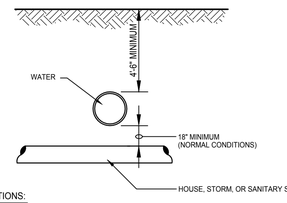
CROSSING OF WATER LINE OVER SANITARY SEWER OR STORM DRAIN

SD-18 PIPE INSTALLATION CROSSING SANITARY/STORM SEWER
NOT TO SCALE



NOTE:
WHERE A 10' HORIZONTAL SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, THE VERTICAL CLEAR DISTANCE SHALL BE A MINIMUM OF 18" HOWEVER, AN EXCEPTION TO THE 10' MINIMUM HORIZONTAL SEPARATION REQUIRES SEPARATE APPROVAL OF THE APPROPRIATE COUNTY HEALTH DEPT.

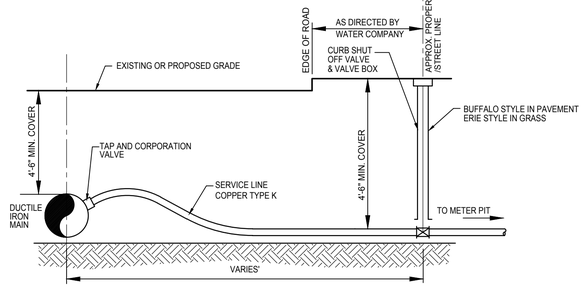
SEPARATION OF WATER MAINS AND SEWERS - PARALLEL INSTALLATION



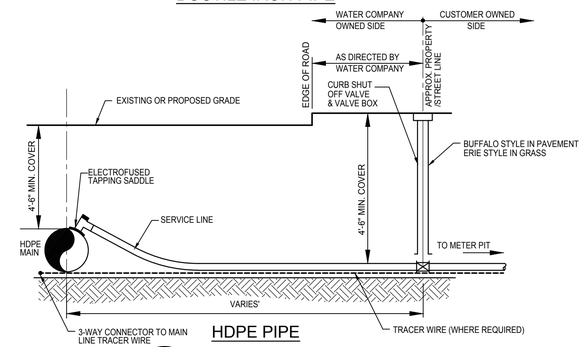
UNUSUAL CONDITIONS:
WATER MAINS PASSING UNDER SEWERS SHALL HAVE A VERTICAL CLEARANCE OF 18" MIN. BETWEEN THE SEWER AND WATER MAIN AND THE SEWER SHALL BE SUPPORTED AS DIRECTED BY THE OWNERS REPRESENTATIVE. TO THE EXTENT FEASIBLE, JOINTS IN THE WATER MAIN SHALL BE KEPT AS FAR AS POSSIBLE FROM THE SEWER. WHERE AN 18" SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, SEPARATE APPROVAL OF THE HEALTH DEPARTMENT SHALL BE REQUIRED.

SEPARATION OF WATER MAINS AND SEWER CROSSINGS

SD-19 PIPE INSTALLATION SEPARATION OF WATER & SEWER CROSSINGS
NOT TO SCALE

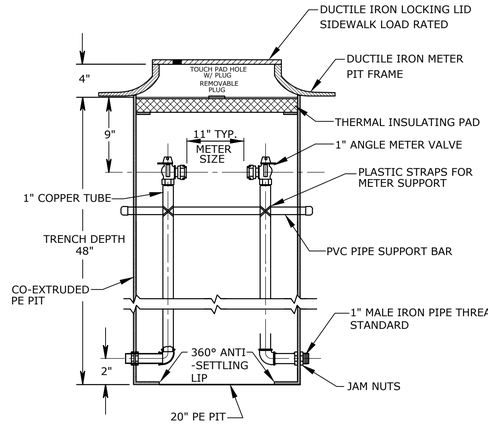


DUCTILE IRON PIPE

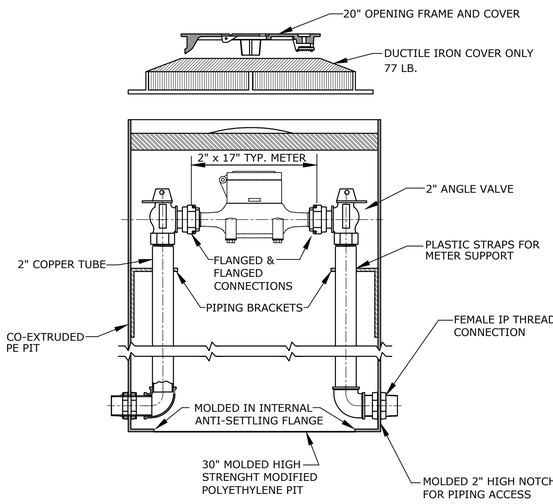


HDPE PIPE

SD-20 PIPE INSTALLATION WATER SERVICE LINE
NOT TO SCALE



SD-21 STANDARD 1" METER PIT
NOT TO SCALE



SD-22 STANDARD 2" METER PIT
NOT TO SCALE

FOR INFORMATION ONLY

REV.	DATE	DESCRIPTION	SHEET. NO.

REVISIONS

FILENAME: Q:\Projects\Luchs Projects\25037 Aquarion\576_Trumbull - Moose Hill Road\AWC Plans\MooseHill_AWC-17.dwg

DESIGNER: MLF
DRAFTER: MP
CHECKED BY:
DATE CHECKED:

AQUARION

ENGINEER: LUCHS CONSULTING ENGINEERS, LLC
APPROVED BY: DATE: 05/26/2017

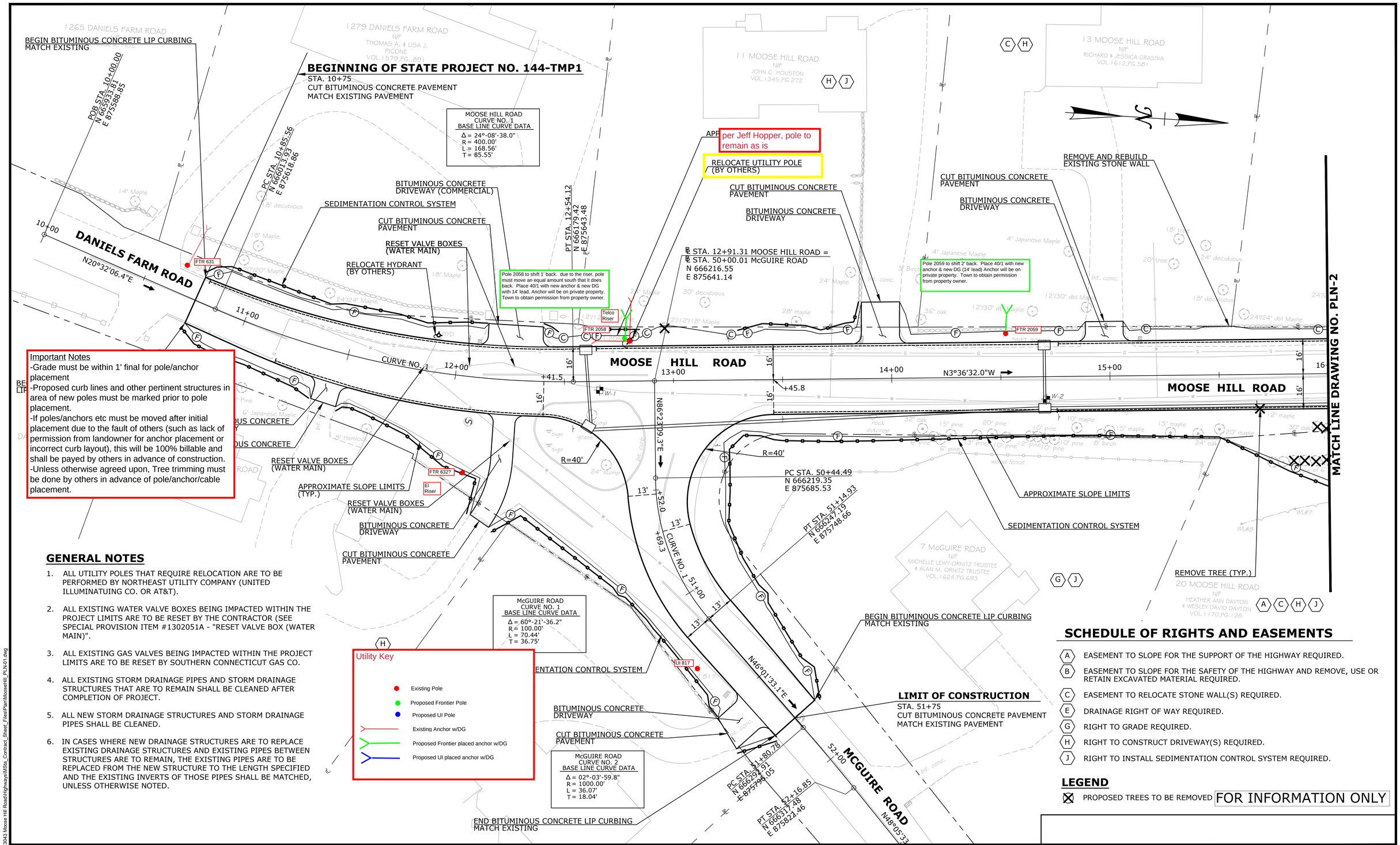
PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

CADD PLOTTED: 2/15/2018

TOWN: TRUMBULL

DRAWING TITLE: STANDARD DETAILS

PROJECT NO.: L144-0001
DRAWING NO.: AWC-17
SHEET NO.: 06.19



Important Notes
-Grade must be within 1' final for pole/anchor placement
-Proposed curb lines and other pertinent structures in area of new poles must be marked prior to pole placement.
-If poles/anchors etc must be moved after initial placement due to the fault of others (such as lack of permission from landowner for anchor placement or incorrect curb layout), this will be 100% billable and shall be payed by others in advance of construction.
-Unless otherwise agreed upon, Tree trimming must be done by others in advance of pole/anchor/cable placement.

GENERAL NOTES

1. ALL UTILITY POLES THAT REQUIRE RELOCATION ARE TO BE PERFORMED BY NORTHEAST UTILITY COMPANY (UNITED ILLUMINATUING CO. OR AT&T).
2. ALL EXISTING WATER VALVE BOXES BEING IMPACTED WITHIN THE PROJECT LIMITS ARE TO BE RESET BY THE CONTRACTOR (SEE SPECIAL PROVISION ITEM #1302051A - "RESET VALVE BOX (WATER MAIN)".
3. ALL EXISTING GAS VALVES BEING IMPACTED WITHIN THE PROJECT LIMITS ARE TO BE RESET BY SOUTHERN CONNECTICUT GAS CO.
4. ALL EXISTING STORM DRAINAGE PIPES AND STORM DRAINAGE STRUCTURES THAT ARE TO REMAIN SHALL BE CLEANED AFTER COMPLETION OF PROJECT.
5. ALL NEW STORM DRAINAGE STRUCTURES AND STORM DRAINAGE PIPES SHALL BE CLEANED.
6. IN CASES WHERE NEW DRAINAGE STRUCTURES ARE TO REPLACE EXISTING DRAINAGE STRUCTURES AND EXISTING PIPES BETWEEN STRUCTURES ARE TO REMAIN, THE EXISTING PIPES ARE TO BE REPLACED FROM THE NEW STRUCTURE TO THE LENGTH SPECIFIED AND THE EXISTING INVERTS OF THOSE PIPES SHALL BE MATCHED, UNLESS OTHERWISE NOTED.

SCHEDULE OF RIGHTS AND EASEMENTS

- (A) EASEMENT TO SLOPE FOR THE SUPPORT OF THE HIGHWAY REQUIRED.
- (B) EASEMENT TO SLOPE FOR THE SAFETY OF THE HIGHWAY AND REMOVE, USE OR RETAIN EXCAVATED MATERIAL REQUIRED.
- (C) EASEMENT TO RELOCATE STONE WALL(S) REQUIRED.
- (E) DRAINAGE RIGHT OF WAY REQUIRED.
- (G) RIGHT TO GRADE REQUIRED.
- (H) RIGHT TO CONSTRUCT DRIVEWAY(S) REQUIRED.
- (J) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED.

LEGEND

⊠ PROPOSED TREES TO BE REMOVED

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 8/31/2017

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 10+75 TO STA. 16+00

PROJECT NO.: L144-0001
DRAWING NO.: UT-1
SHEET NO.: 06.20

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSte_Contract_Sheet_Files\Plan\MooseHill_PLN-01.dwg

MATCH LINE DRAWING NO. PLN-1

MATCH LINE DRAWING NO. PLN-3

MOOSE HILL ROAD

CURVE NO. 3

MOOSE HILL ROAD
CURVE NO. 3
BASE LINE CURVE DATA
Δ = 02°-43'-52.9"
R = 3000.00'
L = 143.01'
T = 71.52'

17 MOOSE HILL ROAD
N/F
SCOTT C REIS &
JOSEPHINE MARCELLINO-REIS
VOL. I 468, PG. 28

19 MOOSE HILL ROAD
N/F
DIANE R. OLSEN
VOL. I 359, PG. 295

25 MOOSE HILL ROAD
N/F
JOSEPH C & MARY ANN RUOSPO
VOL. 976, PG. 02

31 MOOSE HILL ROAD
N/F
JASON BURNSIDE
VOL. I 620, PG. 490

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON
& WESLEY DAVID DAYTON
VOL. I 170, PG. 128

26 MOOSE HILL ROAD
N/F
KIMBERLY ATHERTON
VOL. I 558, PG. 165

BASELINE ANGLE POINT
STA. 16+24.08
N 666548.65
E 875620.20

PC STA. 17+01.70
N 666626.06
E 875614.50

PT STA. 18+44.71
N 666768.39
E 875600.60

BASELINE ANGLE POINT
STA. 20+55.70
N 666977.82
E 875575.10

N4°12'41.3"W

N6°56'34.2"W

SAVE TREE

CUT BITUMINOUS CONCRETE PAVEMENT

BITUMINOUS CONCRETE DRIVEWAY

BITUMINOUS CONCRETE LIP CURBING

SEDIMENTATION CONTROL SYSTEM

APPROXIMATE SLOPE LIMITS

EXISTING DRAINAGE EASEMENT

PROPOSED TAKING LINE

RESET WATER METER

REMOVE TREE (TYP.)

REMOVE AND REBUILD EXISTING STONE WALL (105 L.F.±)

REMOVE AND REBUILD EXISTING STONE WALL (90 L.F.±)

RELOCATE UTILITY POLE (BY OTHERS)

TAKING LINE

APPROXIMATE SLOPE LIMITS (TYP.)

FTR 2060

FTR 2061

FTR 2062

Pole 2060 to remain in current location. Replace (sideset) with 40/1 reuse anchor & DG Anchor.

Pole 2061 to shift 6' back. Place 40/1 with new anchor & new DG with 14' lead, Anchor will be on private property. Town to obtain permission from property owner.

Pole 2062 to shift 3' back. Place 40/1 with new anchor & new DG with 14' lead, Anchor will be on private property. Town to obtain permission from property owner.

Curb line Change 6'

Curb line Change 3'

BKMA-400 1999

FOR INFORMATION ONLY

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSts_Contract_Sheet_Files\Plan\MooseHill_PLN-02.dwg

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 8/31/2017

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

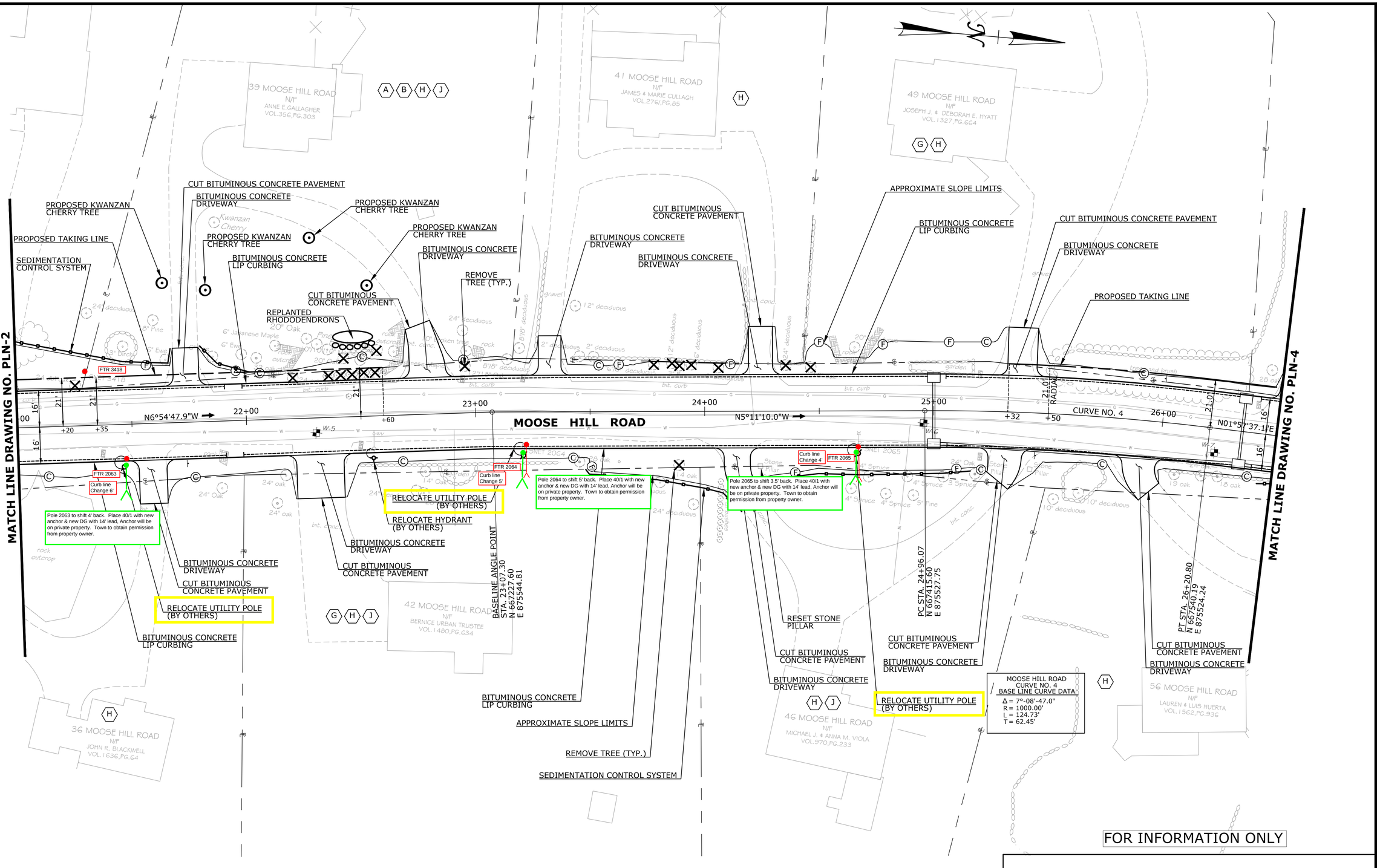
TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 16+00 TO STA. 21+00

PROJECT NO.: L144-0001

DRAWING NO.: UT-2

SHEET NO.: 06.21



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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.

DATE PLOTTED: 8/31/2017

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

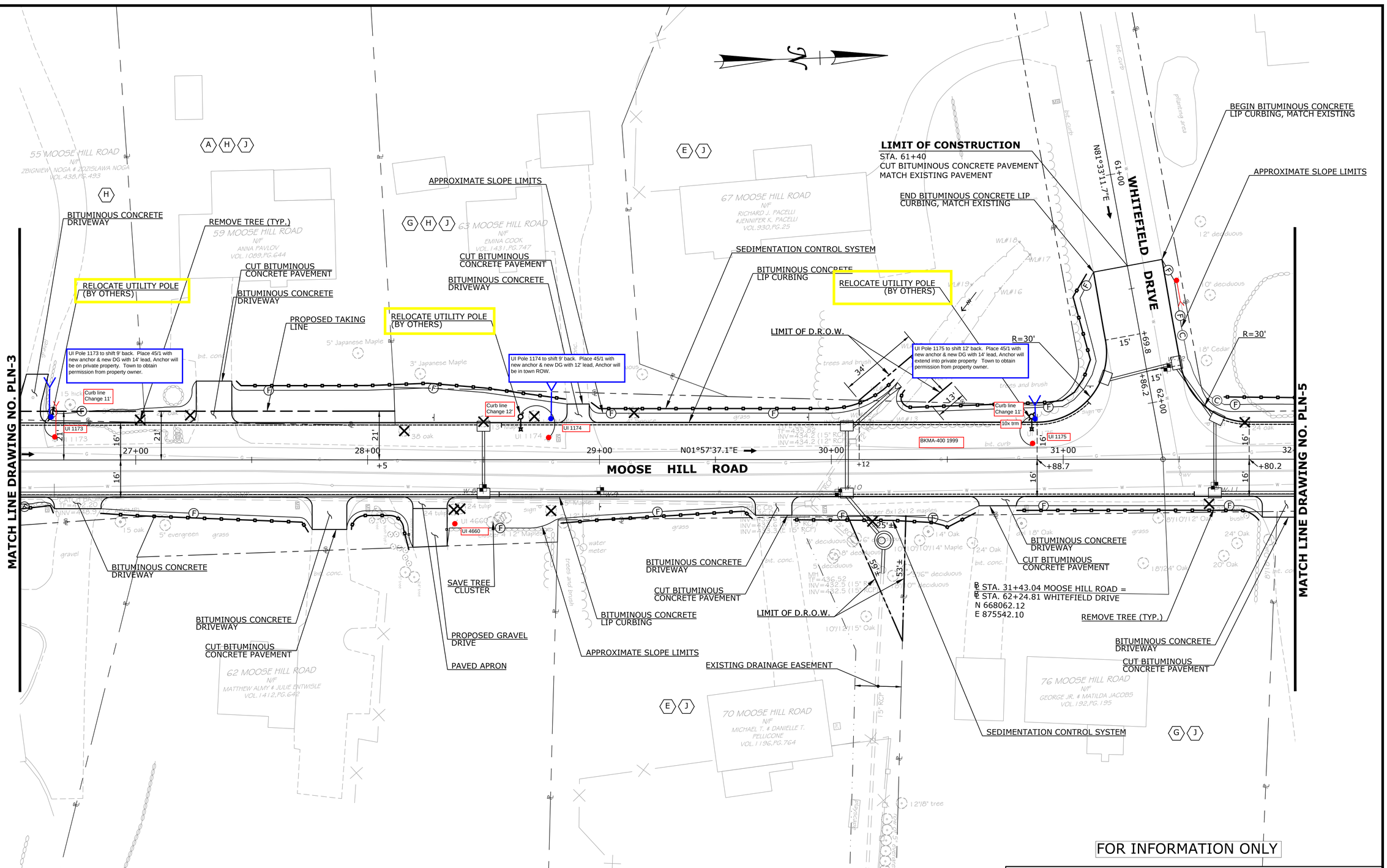
DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 21+00 TO STA. 26+50

PROJECT NO.: L144-0001

DRAWING NO.: UT-3

SHEET NO.: 06.22

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REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 8/31/2017

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 26+50 TO STA. 32+00

PROJECT NO.: L144-0001

DRAWING NO.: UT-4

SHEET NO.: 06.23

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highway\MSts_Contract_Sheet_Files\Plan\MooseHill_PLN-04.dwg

MATCH LINE DRAWING NO. PLN-4

MATCH LINE DRAWING NO. PLN-6

6 WHITEFIELD DRIVE
N/F
EMMANUEL TRIBIE
& PEGGY B. TRIBIE
VOL.928,PG.327

91 MOOSE HILL ROAD
N/F
AMY MORAIS & KAREN A LEWELLYN
VOL.1526,PG.520

97 MOOSE HILL ROAD
N/F
ANNA THOMPSON
VOL.226,PG.461

99 MOOSE HILL ROAD
N/F
KEITH A. & MARTHA F. MAJERSKY
VOL.970,PG.710

82 MOOSE HILL ROAD
N/F
NEIL & GAIL SANTOSSIO
VOL.935,PG.494

88 MOOSE HILL ROAD
N/F
CARLOS H. & ANGELA C. MORALES
VOL.1450,PG.588

98 MOOSE HILL ROAD
N/F
JAMES & JENNIFER LINDINE
VOL.1438,PG.686

MOOSE HILL ROAD

N1°57'37.1"E

SEDIMENTATION CONTROL SYSTEM

APPROXIMATE SLOPE LIMITS

RELOCATE UTILITY POLE (BY OTHERS)

CUT BITUMINOUS CONCRETE PAVEMENT

BITUMINOUS CONCRETE LIP CURBING

BITUMINOUS CONCRETE DRIVEWAY

REMOVE TREE (TYP.)

UI Pole 1176 to shift 11' back. Place 45/1 with new anchor & new DG with 14' lead, Anchor will be placed on private property Town to obtain permission from property owner.

UI Pole 1177 to shift 8' back. Place 45/1 with new anchor & new DG with 14' lead, Anchor will be placed on private property Town to obtain permission from property owner.

UI Pole 1178 to shift 6' back. Place 45/1 with new anchor & new DG with 14' lead, Anchor will be placed on private property Town to obtain permission from property owner.

PROPOSED TAKING LINE

Curb line Change 9'

Curb line Change 7'

Curb line Change 5'

house feed Risers

UI 1176

UI 1177

UI 1178

UI 3110

BKMA-100 1999

RESET VALVE BOX (WATER MAIN)

REMOVE AND REBUILD EXISTING STONE WALL (125 L.F.±)

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 8/31/2017

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

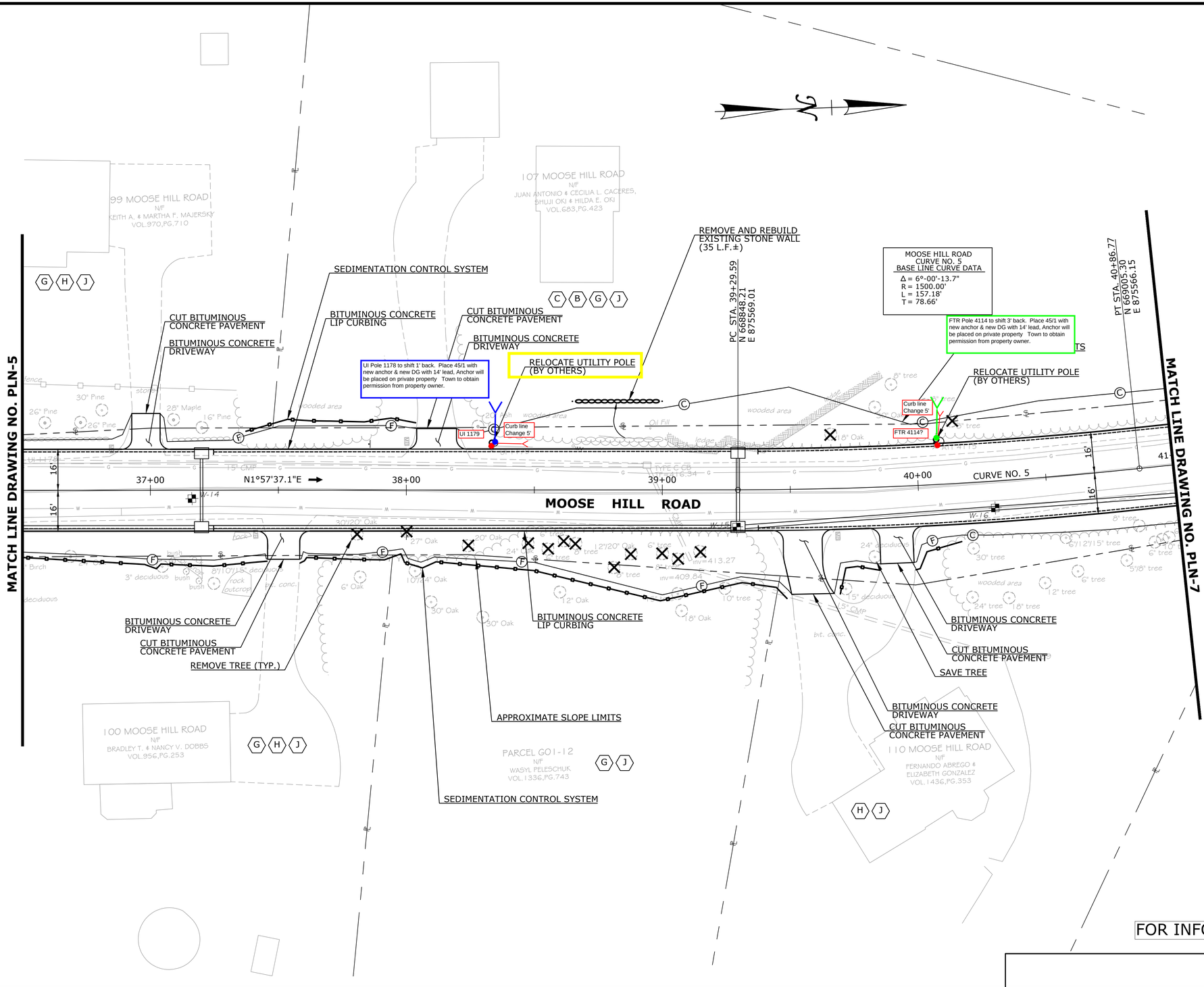
DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 32+00 TO STA. 36+50

PROJECT NO.: L144-0001

DRAWING NO.: UT-5

SHEET NO.: 06.24

O:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSta_Contract_Sheet_Files\Plan\MooseHill_Pl.N-05.dwg



REV.	DATE	REVISION DESCRIPTION	SHEET. NO.

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DATE PLOTTED: 8/31/2017

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

Luchs
CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 36+50 TO STA. 41+00

PROJECT NO.: L144-0001

DRAWING NO.: UT-6

SHEET NO.: 06.25

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSts_Contract_Sheet_Files\Plan\MooseHill_P_N-06.dwg

LIMIT OF CONSTRUCTION
STA. 70+35
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

END BITUMINOUS CONCRETE
LIP CURBING, MATCH EXISTING

POB STA. 70+00.00
N 669168.15
E 875379.29

BEGIN BITUMINOUS CONCRETE
LIP CURBING, MATCH EXISTING

END OF STATE PROJECT NO. 144-TMP1
STA. 46+00
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

APPROXIMATE SLOPE LIMITS

℄ STA. 42+40.24 MOOSE HILL ROAD =
℄ STA. 71+78.07 DEEP GORGE ROAD
N 669158.49
E 875557.10

MATCH LINE DRAWING NO. PLN-6

107 MOOSE HILL ROAD
N/F
JUAN ANTONIO & CECILIA L. CACERES,
SHUJI OKI & HILDA E. OKI
VOL.683,PG.423

N/F
AQUARIAN WATER COMPANY OF CONNECTICUT

PARCEL G01-2
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

15 MOOSE HILL ROAD
N/F
MARK A. & CHARLENE GARAMELLA

PARCEL G01-10
N/F
AQUARION WATER COMPANY OF CONNECTICUT
VOL.1161,PG.467

DEEP GORGE ROAD

MOOSE HILL ROAD

WITKOWSKI BROOK

8'x3' PRECAST CONCRETE BOX CULVERT
WITH 6" GRAVEL STREAM BED MATERIAL
AND CONCRETE WING WALLS

LIMIT OF D.R.O.W.

APPROXIMATE SLOPE LIMITS

R-B END ANCHORAGE
TYPE I

SEDIMENTATION CONTROL SYSTEM

37.5' - METAL BEAM RAIL
(TYPE R-B 350)

BITUMINOUS CONCRETE DRIVEWAY

CUT BITUMINOUS
CONCRETE PAVEMENT

TRUMBULL
SHELTON

TOWN LINE

CURVE NO. 6
CURVE NO. 7

FTR Pole 1967 to shift 5.5' back. Place 45/1 with new anchor & new DG with 14' lead, Anchor will be placed on private property Town to obtain permission from property owner.

FTR Pole 4276 to shift 2' back. Place 45/1 with new anchor & new DG with 14' lead, Anchor will be placed on private property Town to obtain permission from property owner.

FTR Pole 4115 to shift 2' back. Place 45/1 with new anchor & new DG with 14' lead, Anchor will be placed on private property Town to obtain permission from property owner.

FTR Pole 4116 to shift 2' back. Place 45/1 with new anchor & new DG with 14' lead, Anchor will be placed on private property Town to obtain permission from property owner.

RELOCATE UTILITY POLE
(BY OTHERS)

MOOSE HILL ROAD
CURVE NO. 6
BASE LINE CURVE DATA
Δ = 2°-38'-32.5"
R = 3000.00'
L = 138.35'
T = 69.19'

PC STA. 41+37.19
N 669055.59
E 875562.60

PT STA. 42+75.55
N 669193.78
E 875556.03

PC STA. 45+37.97
N 669456.13
E 875549.61

PT STA. 46+81.21
N 669599.00
E 875557.49

MOOSE HILL ROAD
CURVE NO. 7
BASE LINE CURVE DATA
Δ = 9°-07'-08.1"
R = 900.00'
L = 143.24'
T = 71.77'

BITUMINOUS CONCRETE
LIP CURBING

REMOVE TREE (TYP.)

LIMIT OF D.R.O.W.

FOR INFORMATION ONLY

REV.	DATE	REVISION DESCRIPTION	SHEET. NO.
1	5/03/17	Revised Street Line per Town of Trumbull	

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.

DATE PLOTTED: 8/31/2017

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

Luchs CONSULTING ENGINEERS
89 COLONY STREET MERIDEN, CT 06451
TELEPHONE: 203-379-0320

FILENAME:

SIGNATURE/ BLOCK:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 41+00 TO STA. 45+40

PROJECT NO.: L144-0001
DRAWING NO.: UT-7
SHEET NO.: 06.26

Q:\Projects\Luchs Projects\13043 Moose Hill Road\Highways\MSIa_Conrad_Sheet_Files\PlanMooseHill_PLN-07.dwg

INSTALL 485' OF 6" PLASTIC GAS MAIN

Tie-in to 6" steel

BEGIN BITUMINOUS CONCRETE LIP CURBING MATCH EXISTING

POB STA. 10+00.00
N 666933.81
E 875868.85

BEGINNING OF STATE PROJECT NO. 144-TMP1
STA. 10+75
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

1265 DANIELS FARM ROAD
NIF

1279 DANIELS FARM ROAD
NIF
THOMAS A. & LISA J. PICONE
VOL. 1379, PG. 891

11 MOOSE HILL ROAD
NIF
JOHN C. HOUSTON
VOL. 1345, PG. 272

13 MOOSE HILL ROAD
NIF
RICHARD & JESSICA GRASSIA
VOL. 1612, PG. 581

DANIELS FARM ROAD
N20°32'06.4"E

10+00
11+00
12+00
13+00
14+00
15+00

CURVE NO. 1

MOOSE HILL ROAD
N86°23'09.3"E
N3°36'32.0"W
MOOSE HILL ROAD

STA. 12+91.31 MOOSE HILL ROAD =
STA. 50+00.01 McGUIRE ROAD
N 666216.55
E 875641.14

PC STA. 50+44.49
N 666219.35
E 875685.53

PT STA. 51+14.93
N 666247.19
E 875748.66

R=40'

McGUIRE ROAD
CURVE NO. 1
BASE LINE CURVE DATA
Δ = 60°-21'-36.2"
R = 100.00'
L = 70.44'
T = 36.75'

McGUIRE ROAD
CURVE NO. 2
BASE LINE CURVE DATA
Δ = 02°-03'-59.8"
R = 1000.00'
L = 36.07'
T = 18.04'

PC STA. 51+80.78
N 666291.91
E 875795.05

PT STA. 52+16.85
N 666311.48
E 875824.46

N46°01'33.1"E

S2°00

McGUIRE ROAD
N48°00'53

BITUMINOUS CONCRETE DRIVEWAY

BITUMINOUS CONCRETE DRIVEWAY

BITUMINOUS CONCRETE DRIVEWAY

BEGIN BITUMINOUS CONCRETE LIP CURBING, MATCH EXISTING

END BITUMINOUS CONCRETE LIP CURBING MATCH EXISTING

BEGIN BITUMINOUS CONCRETE LIP CURBING MATCH EXISTING

APPROXIMATE SLOPE LIMITS (TYP.)

APPROXIMATE SLOPE LIMITS (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

REMOVE TREE (TYP.)

MATCH LINE DRAWING NO. PLN-2

1260 DANIELS FARM ROAD
NIF
PAUL COSTENNES

1282 DANIELS FARM ROAD
NIF
JANET OLSZEWSKI

7 McGUIRE ROAD
NIF
DAVID R. & DANIELLE R. DELISIO

7 McGUIRE ROAD
NIF
MICHELLE LEWY-ORNITZ TRUSTEE & ALAN M. ORNITZ TRUSTEE
VOL. 1624, PG. 693

20 MOOSE HILL ROAD
NIF
HEATHER ANN DAYTON & WESLEY DAVID DAYTON
VOL. 1770, PG. 128

LIMIT OF CONSTRUCTION
STA. 51+75
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

LEGEND
⊗ PROPOSED TREES TO BE REMOVED

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DATE PLOTTED: 3/18/2015

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN MOOSE HILL ROAD STA. 10+75 TO STA. 16+00

PROJECT NO.: 144-TMP1
DRAWING NO.: SCG-1
SHEET NO.: 6.27

Q:\Projects\Lucas Projects\13043 Moose Hill Road\Highways\Work_Contract_Sheet_Files\mainmoosehill_PLAN1.dwg

INSTALL 500' OF 6" PLASTIC GAS MAIN

MATCH LINE DRAWING NO. PLN-1

MATCH LINE DRAWING NO. PLN-3

17 MOOSE HILL ROAD
N/F
SCOTT C. REIS &
JOSEPHINE MARCELINO-REIS
VOL. 1460, PG. 28

19 MOOSE HILL ROAD
N/F
DIANE R. OLSEN
VOL. 1359, PG. 295

25 MOOSE HILL ROAD
N/F
JOSEPH C & MARY ANN RUOSPO
VOL. 376, PG. 02

31 MOOSE HILL ROAD
N/F
JASON BURNSIDE
VOL. 1620, PG. 490

26 MOOSE HILL ROAD
N/F
KIMBERLY ATHERTON
VOL. 1558, PG. 165

20 MOOSE HILL ROAD
N/F
HEATHER ANN DAYTON
& WESLEY DAVID DAYTON
VOL. 1170, PG. 129

MOOSE HILL ROAD
CURVE NO. 2
BASE LINE CURVE DATA
Δ = 4°-28'-36.7"
R = 1500.00'
L = 117.20'
T = 58.63'

PC STA. 16+24.08
N 666548.65
E 875620.20

PT STA. 17+41.29
N 666665.22
E 875608.26

MOOSE HILL ROAD
CURVE NO. 3
BASE LINE CURVE DATA
Δ = 02°-24'-07.4"
R = 1500.00'
L = 70.74'
T = 35.38'

PC STA. 17+84.15
N 666707.65
E 875602.23

PT STA. 18+54.89
N 666777.90
E 875593.94

BASELINE ANGLE POINT
STA. 20+55.69
N 666977.82
E 875575.10

CURVE NO. 2
CURVE NO. 3
MOOSE HILL ROAD
N 23°00'00" W
16+00
17+00
18+00
19+00
20+00

BITUMINOUS CONCRETE DRIVEWAY
BITUMINOUS CONCRETE LIP CURBING
SAVE TREE
REMOVE TREE (TYP.)
RELOCATE UTILITY POLE (BY OTHERS)
SEDIMENTATION CONTROL SYSTEM (TYP.)
APPROXIMATE SLOPE LIMITS (TYP.)
RELOCATE STONEWALL
LIMIT OF D.R.O.W.
15'
190'

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DATE PLOTTED: 3/18/2015

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 16+00 TO STA. 21+00

PROJECT NO.: 144-TMP1
DRAWING NO.: SCG-2
SHEET NO.: 6.28

INSTALL 550' OF 6" PLASTIC GAS MAIN

39 MOOSE HILL ROAD
N/F
ANNE E. GALLAGHER
VOL. 356, PG. 303

41 MOOSE HILL ROAD
N/F
JAMES & MARIE CULLAGH
VOL. 276, PG. 05

49 MOOSE HILL ROAD
N/F
JOSEPH J. & DEBORAH E. HYATT
VOL. 1327, PG. 664

SEDIMENTATION CONTROL SYSTEM (TYP.)

REMOVE TREE (TYP.)

BITUMINOUS CONCRETE DRIVEWAY

BITUMINOUS CONCRETE LIP CURBING

BITUMINOUS CONCRETE DRIVEWAY

MOOSE HILL ROAD

N6°54'47.9"W

N5°11'10.0"W

22+00

23+00

24+00

25+00

26+00

CURVE NO. 4

Δ=36°

21.0' RADIAL

N0195737.14E

MATCH LINE DRAWING NO. PLN-2

MATCH LINE DRAWING NO. PLN-4

RELOCATE UTILITY POLE (BY OTHERS)

RELOCATE HYDRANT

BITUMINOUS CONCRETE DRIVEWAY

BITUMINOUS CONCRETE DRIVEWAY

RELOCATE UTILITY POLE (BY OTHERS)

BITUMINOUS CONCRETE LIP CURBING

BITUMINOUS CONCRETE LIP CURBING

APPROXIMATE SLOPE LIMITS (TYP.)

REMOVE TREE (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

BITUMINOUS CONCRETE DRIVEWAY

RELOCATE UTILITY POLE (BY OTHERS)

BITUMINOUS CONCRETE DRIVEWAY

BASELINE ANGLE POINT
STA. 23+07.30
N 667227.60
E 875544.81

PC STA. 24+96.07
N 667415.60
E 875527.75

PT STA. 26+20.80
N 667540.19
E 875524.24

36 MOOSE HILL ROAD
N/F
JOHN R. BLACKWELL
VOL. 1636, PG. 64

42 MOOSE HILL ROAD
N/F
BERNICE URBAN TRUSTEE
VOL. 1480, PG. 634

46 MOOSE HILL ROAD
N/F
MICHAEL J. & ANNA M. VIOLA
VOL. 970, PG. 233

56 MOOSE HILL ROAD
N/F
LAUREN & LUIS HUERTA
VOL. 1562, PG. 336

MOOSE HILL ROAD
CURVE NO. 4
BASE LINE CURVE DATA
Δ = 7°-08'-47.0"
R = 1000.00'
L = 124.73'
T = 62.45'

21+35
cut 2'

23+50
cut 2'

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DATE PLOTTED: 3/18/2015

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 21+00 TO STA. 26+50

PROJECT NO.: 144-TMP1
DRAWING NO.: SCG-3
SHEET NO.: 6.29

INSTALL 550' OF 6" PLASTIC GAS MAIN

MATCH LINE DRAWING NO. PLN-3

MATCH LINE DRAWING NO. PLN-5

MOOSE HILL ROAD

WHITEFIELD DRIVE

55 MOOSE HILL ROAD
N/F
ZBIGNIEW NOGA & ZOZISLAWA NOGA
VOL.438,PG.493

59 MOOSE HILL ROAD
N/F
ANNA PAVLOV
VOL.1083,PG.644

63 MOOSE HILL ROAD
N/F
EMINA COOK
VOL.1431,PG.747

67 MOOSE HILL ROAD
N/F
RICHARD J. PACELLI
&JENNIFER K. PACELLI
VOL.930 PG.25

62 MOOSE HILL ROAD
N/F
MATTHEW ALMY & JULIE ENTWISLE
VOL.1412,PG.642

70 MOOSE HILL ROAD
N/F
MICHAEL T. & DANIELLE T.
PELLICONE
VOL.1196,PG.764

76 MOOSE HILL ROAD
N/F
VOL.182,PG.195

LIMIT OF CONSTRUCTION
STA. 61+45
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

END BITUMINOUS CONCRETE LIP CURBING, MATCH EXISTING

BEGIN BITUMINOUS CONCRETE LIP CURBING, MATCH EXISTING

APPROXIMATE SLOPE LIMITS (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

BITUMINOUS CONCRETE LIP CURBING

RELOCATE UTILITY POLE (BY OTHERS)

BITUMINOUS CONCRETE DRIVEWAY

REMOVE TREE (TYP.)

PROPOSED TAKING LINE

LIMIT OF D.R.O.W.

PROPOSED GRAVEL DRIVE

PAVED APRON

R=30'

N81°33'11.7"E

N01°57'37.1"E

C=30"

C=42"

27+00

28+00

29+00

30+00

31+00

61+00

62+00

℄ STA. 31+43.04 MOOSE HILL ROAD =
℄ STA. 62+24.81 WHITEFIELD DRIVE
N 668062.12
E 875542.10

27+00 fill 2'

30+50 Fill -2'

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DATE PLOTTED: 3/18/2015

DESIGNER/DRAFTER: R. Lalama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME:

PROJECT TITLE: RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 26+50 TO STA. 32+00

PROJECT NO.: 144-TMP1
DRAWING NO.: SCG-4
SHEET NO.: 6.30

INSTALL 450' OF 6" PLASTIC GAS MAIN

6 WHITEFIELD DRIVE
N/F
EMMANUEL TRIBIE
& PEGGY B. TRIBIE
VOL.928,PG.327

91 MOOSE HILL ROAD
N/F
AMY MORALS & KAREN A LEWELLYN
VOL.1526,PG.520

97 MOOSE HILL ROAD
N/F
ANNA THOMPSON
VOL.226,PG.461

99 MOOSE HILL ROAD
N/F
KEITH A. & MARTHA F. MAJERSKY
VOL.970,PG.710

MATCH LINE DRAWING NO. PLN-4

MATCH LINE DRAWING NO. PLN-6

SEDIMENTATION CONTROL SYSTEM (TYP.)

RELOCATE UTILITY POLE (BY OTHERS)

APPROXIMATE SLOPE LIMITS (TYP.)

BITUMINOUS CONCRETE LIP CURBING

BITUMINOUS CONCRETE DRIVEWAY

REMOVE TREE (TYP.)

RELOCATE UTILITY POLE (BY OTHERS)

BITUMINOUS CONCRETE DRIVEWAY

RELOCATE STONEWALL

PROPOSED TAKING LINE

MOOSE HILL ROAD

N1°57'37.1"E

RELOCATE STONEWALL

BITUMINOUS CONCRETE DRIVEWAY

REMOVE TREE (TYP.)

82 MOOSE HILL ROAD
N/F
NEIL & GAIL SANTOSSIO
VOL.935,PG.494

BITUMINOUS CONCRETE DRIVEWAY

BITUMINOUS CONCRETE LIP CURBING

88 MOOSE HILL ROAD
N/F
CARLOS H. & ANGELA C. MORALES
VOL.1450,PG.588

BITUMINOUS CONCRETE DRIVEWAY

APPROXIMATE SLOPE LIMITS (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

98 MOOSE HILL ROAD
N/F
JAMES & JENNIFER LINDINE
VOL.1439,PG.686

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DATE PLOTTED: 3/18/2015

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

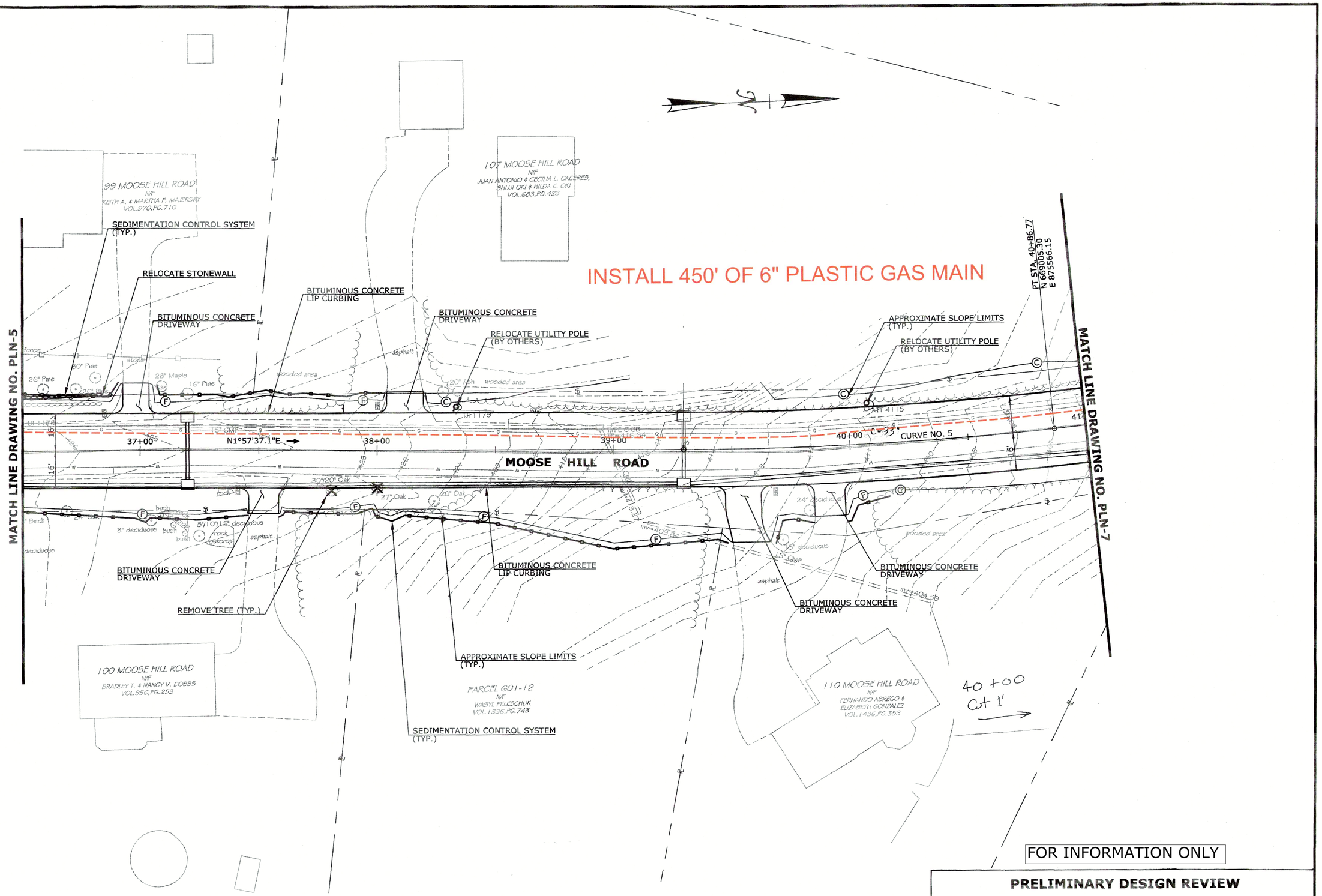
DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 32+00 TO STA. 36+50

PROJECT NO.: 144-TMP1

DRAWING NO.: SCG-5

SHEET NO.: 6.31

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DATE PLOTTED: 3/18/2015

DESIGNER/DRAFTER: R. Lalama/E. Kerr

CHECKED BY: D. Dagan

SCALE IN FEET 0 20 40

SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF
MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 36+50 TO STA. 41+00

PROJECT NO.: 144-TMP1

DRAWING NO.: SCG-6

SHEET NO.: 6.32

INSTALL 450' OF 6" PLASTIC GAS MAIN

INSTALL 130' OF 2" PLASTIC ON DEEP GORGE ROAD

LIMIT OF CONSTRUCTION
STA. 70+35
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

END OF STATE PROJECT NO. 144-TMP1
STA. 46+00
CUT BITUMINOUS CONCRETE PAVEMENT
MATCH EXISTING PAVEMENT

MATCH LINE DRAWING NO. PLN-6

DEEP GORGE ROAD

MOOSE HILL ROAD

WITKOWSKI BROOK

TRUMBULL / SHELTON

TOWN LINE

LIMIT OF D.R.O.W.

APPROXIMATE SLOPE LIMITS (TYP.)

SEDIMENTATION CONTROL SYSTEM (TYP.)

BITUMINOUS CONCRETE DRIVEWAY

PROPOSED TAKING LINE

R=30'

35'

15' RCP

42" x 26" RCP

WL#23 WL#24 WL#25 WL#26 WL#27 WL#28 WL#29 WL#30 WL#31 WL#32 WL#33 WL#34 WL#35 WL#36 WL#37 WL#38 WL#39 WL#40 WL#41 WL#42 WL#43 WL#44 WL#45 WL#46 WL#47 WL#48 WL#49 WL#50

15 MOOSE HILL ROAD
NF
MARK A. & CHARLENE GARAMELLA

PARCEL G01-10
NF
AQUARION WATER COMPANY OF CONNECTICUT
VOL. 1161, PG. 467

N14°02'36.6"W

N1°24'04.1"W

CURVE NO. 6

CURVE NO. 7

RELOCATE UTILITY POLE (BY OTHERS)

REMOVE TREE (TYP.)

END BITUMINOUS CONCRETE LIP CURBING, MATCH EXISTING

Tie-in to 6" steel

PC STA. 41+37.19
N 669055.59
E 875562.60

PT STA. 42+75.55
N 669193.78
E 875556.03

PC STA. 45+37.97
N 669456.13
E 875549.61

PT STA. 46+81.21
N 669599.00
E 875557.49

41+50
BI
LI
Cut -1'

MOOSE HILL ROAD
CURVE NO. 6
BASE LINE CURVE DATA
Δ = 2°-38'-32.5"
R = 3000.00'
L = 138.35'
T = 69.19'

MOOSE HILL ROAD
CURVE NO. 7
BASE LINE CURVE DATA
Δ = 9°-07'-08.1"
R = 900.00'
L = 143.24'
T = 71.77'

FOR INFORMATION ONLY

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DATE PLOTTED: 3/18/2015

DESIGNER/DRAFTER: R. LaIama/E. Kerr
CHECKED BY: D. Dagan
SCALE IN FEET
0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

FILENAME:

PROJECT TITLE:
RECONSTRUCTION OF MOOSE HILL ROAD

TOWN: TRUMBULL

DRAWING TITLE: ROADWAY PLAN
MOOSE HILL ROAD
STA. 41+00 TO STA. 45+40

PROJECT NO.: 144-TMP1
DRAWING NO.: SCG-7
SHEET NO.: 6.33

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