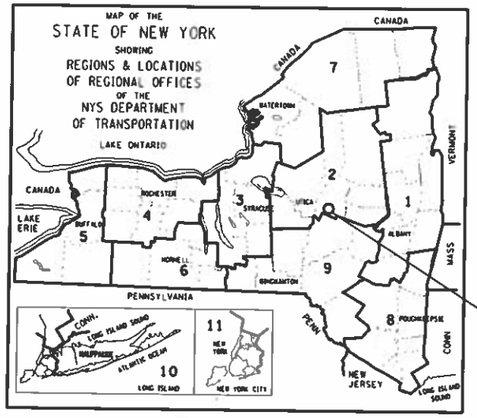
D265554



SITE OF WORK

CONTRACTOR'S NAME	
AWARD DATE	
COMPLETION DATE	
FINAL ACCEPTANCE DATE	
REGIONAL DIRECTOR	
ENGINEER IN CHARGE	
FINAL COST TOTAL	
FISCAL SHARE	COST(S)

GreenLITES CERTIFIED

CERTIFICATION PENDING VERIFICATION

QUALITY CONTROLLED BY:

David Sadekoski 6-11-25

DAVID SADEKOSKI, P.E. DATE

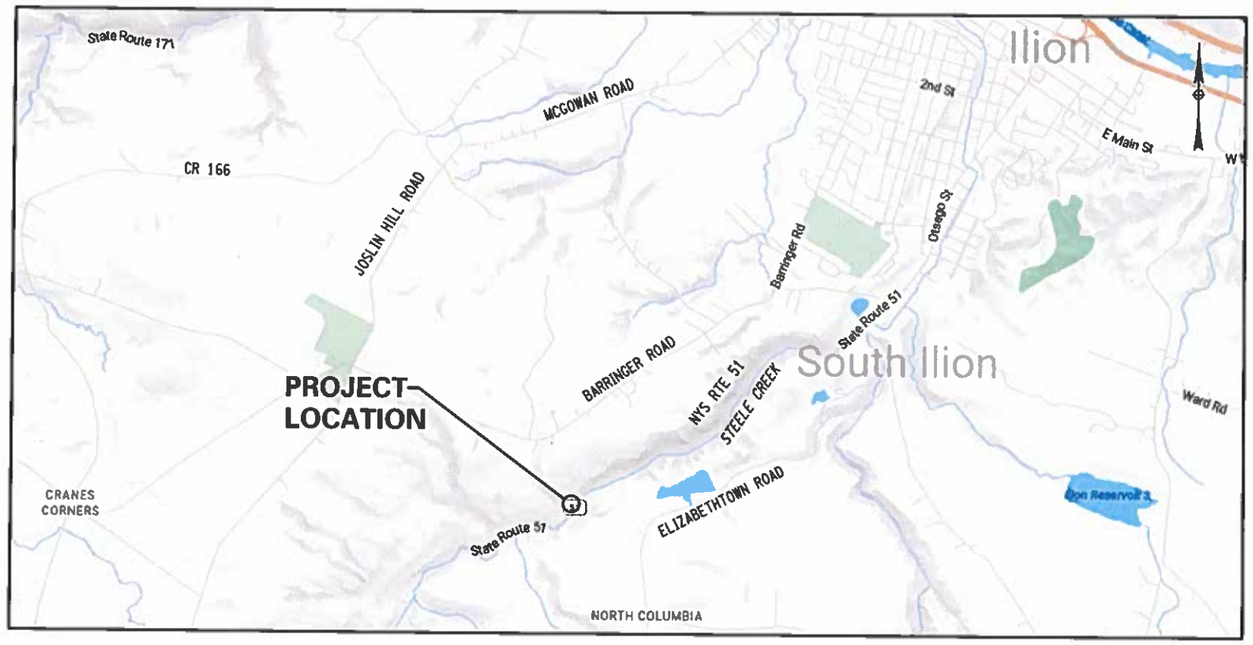
NEW YORK STATE | Department of Transportation

REPLACEMENT OF ROUTE 51 CULVERT OVER STEELE CREEK

PIN 2LC1.21 D265554

TOWN OF LITCHFIELD, HERKIMER COUNTY

F.A. PROJECT



PROJECT LOCATION

THE PROJECT IS LOCATED IN THE TOWN OF LITCHFIELD, HERKIMER COUNTY, 1.75 MILES SOUTH OF THE INTERSECTION WITH SPINNERVILLE GULF ROAD (CR 15).

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT "PROPOSAL."

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSDOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON 1/8/2025

Barton & Loguidice

PREPARED AND RECOMMENDED BY: BARTON AND LOGUIDICE, D.P.C.

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER

06/10/2025

MATTHEW J. SCHOOLEY, P.E.
N.Y.S. P.E. LICENSE NO. 069983

ROUTE 51 OVER STEELE CREEK		
S.H. 5466 ILION - CEDARVILLE		
LITCHFIELD		
COUNTY: HERKIMER		
FED. ROAD REG. NO.	STATE	SHEET NO.
1	N.Y.	1
CAPITAL PROJECT IDENTIFICATION NO. 2LC1.21		

INDEX ON SHEET NO. 2

RECOMMENDED BY
Brian Hoffmann 6/11/25
REGIONAL DESIGN ENGINEER — DATE
BRIAN HOFFMANN, P.E.

RECOMMENDED BY
Chris L. Langett 6/11/25
REGIONAL CONSTRUCTION ENGINEER — DATE
CHRISTOPHER LANGETT, P.E.

RECOMMENDED BY
Michael J Pawloski 6/11/25
REGIONAL DIRECTOR OF OPERATIONS — DATE
MICHAEL PAWLOSKI, P.E.

RECOMMENDED BY
6/11/2025
REGIONAL TRAFFIC ENGINEER — DATE
MICHAEL GALLERANI, P.E.

APPROVED BY
6/11/25
REGIONAL DIRECTOR — DATE
LINDA LUBEY, P.E.

D265554

D265554

DESIGN SUPERVISOR M. SCHOOLEY JOB MANAGER M. FINCH/B. TREMBLAY DESIGN R. WOOD CHECK M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK G. WEHBE PROJECT MANAGER W. FINCH

FILE NAME = D:\Projects\200225 - NYS Department of Transportation\225862 - Region 2 Large Culvert\Contract 4\2LC121_cph_cvr.dgn
DATE = 6/9/2025
TIME = 11:14:55 AM

ALIGNMENT

ABBR.	DESCRIPTION
AH	AHEAD
AZ	AZIMUTH
BK	BACK
℄	BASELINE
BRG	BEARING
℄	CENTERLINE
CS	CURVE TO SPIRAL
e	SUPERELEVATION RATE (CROSS SLOPE)
EQ	EQUALITY
EXT	EXTERNAL
HCL	HORIZONTAL CONTROL LINE
HSD	HEADLIGHT SIGHT DISTANCE
L	LENGTH OF CIRCULAR CURVE
LS	LENGTH OF SPIRAL
LVC	LENGTH OF VERTICAL CURVE
E	CENTER CORRECTION OF VERTICAL CURVE
ML	MAIN LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
POL	POINT ON LINE
PSD	PASSING SIGHT DISTANCE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
SC	SPIRAL TO CURVE
SSD	STOPPING SIGHT DISTANCE
ST	SPIRAL TO TANGENT
STA	STATION
T	TANGENT LENGTH
TGL	THEORETICAL GRADE LINE
TS	TANGENT TO SPIRAL
VC	VERTICAL CURVE

TOPOGRAPHY (DRAINAGE)

ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)
BC	BOTTOM OF CURB
BO	BOTTOM OF OPENING
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CIP	CAST IRON PIPE
℄ STRM	CENTERLINE OF STREAM
CMP	CORRUGATED METAL PIPE
CP	CONCRETE PIPE
CSP	CORRUGATED STEEL PIPE
CULV	CULVERT
DIA	DIAMETER
DMH	DRAINAGE MANHOLE
DS	DRAINAGE STRUCTURE PIPE
D'XING	DITCH CROSSING
EHW	EXTREME HIGH WATER
EL	ELEVATION
ELEV	ELEVATION
ELW	EXTREME LOW WATER
ES	END SECTION
HW	HEADWALL
INV	INVERT
MH	MANHOLE
MHW	MEAN HIGH WATER
OHW	ORDINARY HIGH WATER
OLW	ORDINARY LOW WATER
RCP	REINFORCED CONCRETE PIPE
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
TB	TOP OF BANK (STREAM)
TC	TOP OF CURB
TG	TOP OF GRATE
VCP	VITRIFIED CLAY PIPE

TOPOGRAPHY (MISCELLANEOUS)

ABBR.	DESCRIPTION
ABUT	ABUTMENT
AOBE	AS ORDERED BY ENGINEER
ASPH	ASPHALT
BDY	BOUNDARY
BLDG	BUILDING
BM	BENCH MARK
CC	CENTER TO CENTER
CONC	CONCRETE
CONST	CONSTRUCTION
CR	COUNTY ROAD
D	DEED DISTANCE
DM	DIRECT MEASUREMENT
DWY	DRIVEWAY
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
FEE	FEE ACQUISITION
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
FP	FENCE POST
FD	FOUNDATION
FL	FENCE LINE
GAR	GARAGE
GR	GRAVEL
HO	HOUSE
HWY	HIGHWAY
IP	IRON PIN OR IRON PIPE
MB	MAILBOX
MON	MONUMENT
N&W	NAIL AND WASHER
OG	ORIGINAL GROUND
O/H	OVERHEAD
P	PARCEL
PAV'T	PAVEMENT
PE	PERMANENT EASEMENT
PED POLE	PEDESTRIAN POLE
ℙ	PROPERTY LINE
POR	PORCH
RR	RAILROAD
RTE	ROUTE
ROW	RIGHT OF WAY
RW	RETAINING WALL
SH	STATE HIGHWAY
SHLDR	SHOULDER
SPK	SPIKE
ST	STREET
STK	STAKE
STY	STORY
SW	SIDEWALK
TE	TEMPORARY EASEMENT
TO	TEMPORARY OCCUPANCY
U/G	UNDERGROUND
WW	WING WALL

UTILITIES

ABBR.	DESCRIPTION
E	ELECTRIC
EMH	ELECTRIC MANHOLE
G	GAS
GP	GUY POLE
GSB	GAS SERVICE BOX (HOUSE LINE)
GV	GAS VALVE (MAIN LINE)
HYD	HYDRANT
LP	LIGHT POLE
LPG	LOW PRESSURE GAS
PP	POWER POLE
SA	SANITARY SEWER
SMH	SANITARY MANHOLE
ST	STORM SEWER
T	TELEPHONE
TCB	TRAFFIC CONTROL BOX
TELBOX	TELEPHONE BOX
TEL P	TELEPHONE POLE
TMH	TELEPHONE MANHOLE
CTV	CABLE TELEVISION
W	WATER
WSB	WATER SERVICE BOX (HOUSE LINE)
WV	WATER VALVE (MAIN LINE)

SUBSURFACE EXPLORATION

ABBR.	DESCRIPTION
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND AUGER
CP	CONE PENETROMETER
DA	2¼ INCHES CASED DRILL HOLE
DM	DRILLING MUD
DN	4 INCHES CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	1 INCH SAMPLER (RETRACTABLE PLUG)
	TO BE DEFINED AT THE TIME OF EXPLORATION
SP	SEISMIC POINT
TP	TEST PIT
ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
"	-	INCHES
'	LF	LINEAR FEET
mi	MI	MILES
ft^2	SF	SQUARE FEET
YD^2	SY	SQUARE YARD
AC	AC	ACRES
YD^3	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

TOTAL NUMBER OF SHEETS	50

INDEX OF 11x17 DRAWINGS

SHEET NO.	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COV-1
2	INDEX AND ABBREVIATIONS	IND-1
3 - 4	LEGEND SHEETS	LEG-1 TO LEG-2
5	ELECTRONIC FILES IDENTIFIED AS PLANS	ELE-1
6	GENERAL NOTES	GN-1
7	EROSION CONTROL NOTES	ECN-1
8 - 11	TYPICAL SECTIONS	TS-1 TO TS-4
12 - 17	WORK ZONE TRAFFIC CONTROL	WZTC-1 TO WZTC-6
18	BASELINE TIES AND BENCHMARKS	BLT-1
19	MAINTENANCE JURISDICTION PLAN	MJP-1
20	MISCELLANEOUS TABLES	MT-1
21-25	MISCELLANEOUS DETAILS	MSD-1 TO MSD-5
26	EARTHWORK SUMMARY SHEET	ESS-1
27	EROSION CONTROL PLANS	ECP-1
28	GENERAL PLAN	PL-1
29	PAVEMENT MARKINGS AND SIGNING PLAN	PM-1
30	GUIDE RAIL PLAN	RLG-1
31	STACKED STONE WALL PLAN AND ELEVATION	RW-1
32	STACKED STONE WALL SECTIONS	RW-2
33 - 46	BRIDGE PLANS	ST-1 TO ST-14
48 - 50	RAILING DETAILS	RL-1 TO RL-4

HIGHWAY INDEX OF ELECTRONIC FILES IDENTIFIED AS PLANS

DESCRIPTION	DIGITAL DATA[1]	SUPPLEMENTAL INFORMATION[2]
HORIZONTAL ALIGNMENT DATA (ROADWAYS, STREAM, RETAINING WALL, TEMPORARY STRUCTURE)	D265554_FEA_RWY_ALG.XML	2LC121_RPT_HORIZONTAL.PDF
	D265554_FEA_CRK_ALG.XML	
	D265554_FEA_RET_ALG.XML	
	D265554_FEA_RWY_REMINGTON_ALG.XML	
	D265554_FEA_WZTC_ALG.XML	
HIGHWAY PROFILES & SUPERELEVATION	D265554_FEA_RWY_ALG.XML	2LC121_RPT_PROFILES.PDF
	D265554_FEA_RWY_SUPER.XLS	
SURVEY BASELINE	D265554_FEA_RWY_BSL.XML	2LC121_RPT_SURVEY.PDF

1. REFER TO D265554_R2_ELECTRONIC FILES FOR PLANS.ZIP FOR DIGITAL DATA FILES
2. REFER TO SUPPLEMENTAL INFORMATION FOR BIDDERS FOR SUPPORTING INFORMATION.

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466 ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

INDEX AND ABBREVIATIONS

CONTRACT NUMBER D265554

B&L

DRAWING NO. IND-1
SHEET NO. 2

NEW YORK STATE Department of Transportation

ALIGNMENT

STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)
	AD_P	DETOUR
	AT_P	TRANSITION CONTROL

BRIDGE

STYLE	NAME	DESCRIPTION
	BR	RAIL
	BSHT	SHEET PILING

CONTROL

STYLE	NAME	DESCRIPTION
	CB	BASELINE
	CBPR	BASELINE, PROJECTION

DRAINAGE

STYLE	NAME	DESCRIPTION
ST	DCP	CULVERT PIPE
ST	DCP_P	CULVERT PIPE (DIR)
	DDG_P	DITCH, GRASS LINED
	DDP_P	DITCH, PAVED INVERT
	DDS_P	DITCH, STONE LINED
	DFL_P	FLOW LINE
	DSSD	SLOTTED DRAIN
UD	DUD_P	UNDERDRAIN

ENVIRONMENTAL

STYLE	NAME	DESCRIPTION
	ECT	CURTAIN, TURBIDITY
	EDMC	DAM, COFFER
	EDMEC_P	DAM, EARTHEN CHECK
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK
	EDMPC_P	DAM, PREFABRICATED CHECK
	EDMSC_P	DAM, STONE CHECK
	EFNS	FENCE, SILT
x	EFNSV	FENCE, SILT & VEGETATION
x	EFNV	FENCE, VEGETATION
	ESFL	FILTER, SEDIMENT LOG
AA	EWAA_P	WETLAND, ADJACENT AREA
FW	EWF	WETLAND, FEDERAL
FW SW	EWFS	WETLAND, FEDERAL AND STATE
SW	EWM	WETLAND, MITIGATION AREA
SW	EWS	WETLAND, STATE

LANDSCAPE

STYLE	NAME	DESCRIPTION
	LABL	AREA, BRUSH LINE
	LAHR	AREA, HEDGE ROW
	LAPB	AREA, PLANTING BED
	LAWA	AREA, WOODED AREA OUTLINE
	LAWE	AREA, WATERS EDGE
	LCUT_P	CUT LIMIT
	LFILL_P	FILL LIMIT
	LFNC	FENCE
	LTRC	TREE ROW, CONIFEROUS
	LTRD	TREE ROW, DECIDUOUS
	LWH	WALL, H PILE
	LWR	WALL, RETAINING
	LWS	WALL, STONE

ROW MAPPING

STYLE	NAME	DESCRIPTION
	MDL	DEED LINE
PE	MEE	EASEMENT, EXISTING
PE	MEP_P	EASEMENT, PERMANENT
APE	MEPA_P	EASEMENT, PERMANENT, APPROX.
TE	MET_P	EASEMENT, TEMPORARY
ATE	META_P	EASEMENT. TEMPORARY, APPROX.
FEE	MF_P	FEE ACQUISITION, W/ ACCESS
AFEE	MFA_P	FEE ACQUISITION, APPROXIMATE
	MFS_P	FEE ACQUISITION, SHAPE
FEE W/OA	MFWOA_P	FEE ACQUISITION, W/O ACCESS
	MHA	HISTORICAL, ACQUISITION
HB	MHB	HIGHWAY BOUNDARY
AHB	MHBA	HIGHWAY BOUNDARY, APPROX.
	MHBW	HWY BOUNDARY, FACE OF WALL
HB W/OA	MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS
	MJC	JURISDICTION, CITY
	MJCY	JURISDICTION, COUNTY
	MJHD	JURISDICTION, HISTORIC DISTRICT
	MJLL	JURIS., (GREAT, MILITARY) LOT LINE
	MJN	JURISDICTION, NATION
	MJPB	JURISDICTION, PUBLIC LANDS
	MJS	JURISDICTION, STATE
	MJT	JURISDICTION, TOWN
	MJV	JURISDICTION, VILLAGE
	MPL	PROPERTY LOT LINE
	MPLA	PROPERTY LOT LINE, APPROXIMATE
	MSL	SUB LOT LINE

ROADWAY

STYLE	NAME	DESCRIPTION
CZ	RCZ_P	CLEAR ZONE
	RG	GUIDE RAIL, MISCELLANEOUS
	RGB	GUIDE RAIL, BOX BEAM
	RGBM	GUIDE RAIL, BOX BEAM, MEDIAN
	RGC	GUIDE RAIL, CABLE
	RGCB	GUIDE RAIL, CONCRETE BARRIER
	RGP_P	GUIDE POST
	RGW	GUIDE RAIL, W BEAM
	RGWM	GUIDE RAIL, W BEAM, MEDIAN
	RPB	PARKING BUMPER
	RRC	RAIL ROAD, CATENARY
3R	RRER	RAIL ROAD, 3RD RAIL
	RRPLS_P	RAIL, PHOTO, LARGE SCALE
	RRPSS	RAIL, PHOTO, SMALL SCALE
	RRS	RUMBLE STRIP
	RRSLS_P	RAIL, SURVEY, LARGE SCALE
	RRSSS	RAIL, SURVEY, SMALL SCALE

SIGNS

STYLE	NAME	DESCRIPTION
	SBLB	BILLBOARDS
	SM	MULTIPLE POST
	SSO	STRUCTURE, OVERHEAD
	SSOC	STRUCTURE, OVHD. CANTILEVER

STRIPING

STYLE	NAME	DESCRIPTION
	STB•	BROKEN LINE
	STDB•	DOUBLE BROKEN LINE
	STDL•	DOTTED LINE LONG
	STDS•	DOTTED LINE SHORT
	STFB•	FULL BARRIER LINE
	STH•	HATCH LINE
	STPB•	PARTIAL BARRIER LINE
	STRCT	ROUNDABOUT, CAT TRACKS
	STRYL	ROUNDABOUT, YIELD LINE
	STSB	STOP BAR
	STSE•	SOLID, EDGE
	STXL	X WALK, LADDER LINE
	STXLB	X WALK, LADDER BAR LINE

• = W (WHITE) OR Y (YELLOW)

TRAFFIC CONTROL

STYLE	NAME	DESCRIPTION
	TCSW	SIGNAL, SPAN WIRE

TRAFFIC WORK ZONE

	NAME	DESCRIPTION
	TWZBT_P	BARRIER, TEMPORARY
	TWZBTWL_P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	TWZCD_P	CHANNELIZING DEVICE
	TWZPMRC_P	PAVEMENT MARKING REMOVAL OR COVERING

UTILITIES

STYLE	NAME	DESCRIPTION
C	UC	CONDUIT, UNDERGROUND
]C[	UCH	CONDUIT, HANGING
OC	UCO	CONDUIT, OVERHEAD
E	UE	ELECTRIC LINE, UNDERGROUND
]E[	UEH	ELECTRIC LINE, HANGING
OE	UEO	ELECTRIC LINE, OVERHEAD
OET	UETO	ELECTRIC TRANSMISSION, OVERHEAD
	UESS	ELECTRIC, SUBSTATIONS
FO	UFO	FIBER OPTIC, UNDERGROUND
]FO[	UFOH	FIBER OPTIC, HANGING
OFO	UFOO	FIBER OPTIC, OVERHEAD
G	UG	GAS, UNDERGROUND
]G[	UGH	GAS, HANGING
OG	UGO	GAS, OVERHEAD
IC	UIC	INFORM CABLE, UNDERGROUND
]IC[	UICH	INFORM CABLE, HANGING
O	UO	OIL LINE, UNDERGROUND
]O[	UOH	OIL LINE, HANGING
	UPBP	POLE, BRACE, PUSH BRACE
	UPGW	POLE, GUY WIRE
SA	USA	SANITARY SEWER, UNDERGROUND
]SA[	USAH	SANITARY SEWER, HANGING
SAF	USAF	SANITARY SEWER, FORCE MAIN, UGND
]SAF[	USAFH	SANITARY SEWER, FORCE MAIN, HANG
T	UT	TELEPHONE, UNDERGROUND
]T[	UTH	TELEPHONE, HANGING
OT	UTO	TELEPHONE, OVERHEAD
CTV	UTV	CABLE TV, UNDERGROUND
]CTV[	UTVH	CABLE TV, HANGING
OCTV	UTVO	CABLE TV, OVERHEAD
UU	UUU	UNKNOWN, UNDERGROUND
]UU[	UUH	UNKNOWN, HANGING
OUU	UUO	UNKNOWN, OVERHEAD
W	UW	WATER LINE, UNDERGROUND
]W[	UWH	WATER LINE, HANGING
OW	UWO	WATER LINE, OVERHEAD

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466 ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED LEGEND	CONTRACT NUMBER D265554 DRAWING NO. LEG-1 SHEET NO. 3

B&L

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KROMICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

ALIGNMENT

CELL	NAME	DESCRIPTION
	ACC	CENTER OF CURVATURE
	ACOGO	COGO
	ACS	CURVE TO SPIRAL
	ADPI_P	DETOUR, POINT OF INTERSECT.
	ADPL_P	DETOUR, POINT ON LINE
	AEQN	EQUATION
A	AEQNAHD	EQUATION AHEAD
B	AEQNBK	EQUATION BACK
	AEVT	EVENT STATION
	APC	POINT OF CURVATURE
	APCC	POINT OF COMPOUND CURVATURE
	API	POINT OF INTERSECTION
	APOB	POINT OF BEGINNING
	APOC	POINT OF CURVATURE
	APOE	POINT OF END
	APOL	POINT ON LINE
	APOS	POINT ON SPIRAL
	APOT	POINT ON TANGENT
	APOVC	POINT ON VERTICAL CURVE
	APOVT	POINT ON VERTICAL TANGENT
	APORC	POINT ON REVERSE CURVE
	APT	POINT OF TANGENCY
	APVC	POINT OF VERTICAL CURVATURE
	APVCC	POINT OF VERT. CMPND CURVE
	APVI	POINT OF VERT. INTERSECTION
	APVRC	POINT OF VERT. REVERSE CURVE
	APVT	POINT OF VERTICAL TANGENCY
	ASC	SPIRAL TO CURVE
	ASPI	SPIRAL POINT OF INTERSECTION
	ASTS	SPIRAL TO SPIRAL
	AST	SPIRAL TO TANGENT
	ATS	TANGENT TO SPIRAL
	AVEVT	VERTICAL EVENT POINT
	AVHIGH	VERTICAL HIGH POINT
	AVLOW	VERTICAL LOW POINT

BRIDGE

	BSC	BRIDGE, SCUPPER

CONTROL

	CBP	BASELINE, POINT
	CBPOL	BASELINE, POINT ON LINE
	CBSP	BASELINE, SPUR POINT
	CBTP	BASELINE, TIE POINT
	CPBM	BENCHMARK
	CPH	POINT, HORIZ. PHOTOGRAMMETRY
	CPSM	POINT, SURVEY MARKER, PERM.
	CPSV	POINT, VERT., PHOTOGRAMMETRY

DRAINAGE

CELL	NAME	DESCRIPTION
	DINV	INVERT
	DS	STRUCTURE, RECTANGULAR
	DSI	STRUCTURE, INVERT
	DSM	STRUCTURE, MANHOLE
	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96
	DSR	STRUCTURE, ROUND
	DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R
	DST"X"_P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U

ENVIRONMENTAL

CELL	NAME	DESCRIPTION
CULV	EIOP_P	STR., INLET, OUTLET PROT.
GB	EIPGB_P	STR., INLET PROT., GRAVEL BAG
FL	EIPEFL_P	STR., INLET PROT., FILTER LOG
PRFB	EIPP_P	STR., INLET PROT., PREFAB.
SF	EIPSF_P	STR., INLET PROT., SILT FENCE
	ERCB	RISER, CONCRETE BOX
	ETRS_P	TRAP, SEDIMENT
	EWFG	WETLAND FLAG

GEOTECHNICAL

	GDH	DRILL HOLE

LANDSCAPE

	LELS	ELEVATION, SPOT
P	LFP	FLAG POLE
	LMB	MAILBOX
	LPB	PAPER BOX
	LPST	POST, SINGLE
	LRB	ROCK, BOULDER
	LSHC	SHRUB, CONIFEROUS
	LSHD	SHRUB, DECIDUOUS
	LTC	TREE, CONIFEROUS
	LTD	TREE, DECIDUOUS
	LTS	TREE, STUMP
	LTW_P	TREE, WELL OR WALL
	LUKP	UNKNOWN POINT

ITS

CELL	NAME	DESCRIPTION
AD	IANT_P	ANTENNAS
AD	IASCTS	ACCOU. SPEED/COUNT SNSR.S
P	ICABPAD	CABINET & PAD
	ICCTV	CCTV SITE
CDPD	ICDPD	CDPD TRANSCEIVER
	ICELLT	CELL PHONE TOWER
	ICJB	CONDUIT JACK OR BORING
	ICNTLCAB	CONTROLLER CABINET
	ICPB	COMMUNICATION PULL BOX
	ICTD	CONDUIT TURNING DOWN
	ICTU	CONDUIT TURNING UP
	ICVTRT	COMM. VEH. ROAD TRANSCEIVER
	IDEFAULT	DEFAULT
EZ	IEZR	E-ZPASS READER
EZ-T	IEZTR	TRANSMITTAL READER
XC	IFOXCAB	FIBER OPTIC X-CONNECT CABINET
	IFUSSPL	FUSION SPLICE
	IHARADV	HAR ADVISORY SIGN
	IHARST	HAR SITE
LC	ILC	LOAD CENTER
	IMECSPL	MECHANICAL SPLICE
PM	IMSCS	PORT. SPEED & COUNT SENSOR
M	IMSCTS	MICRO SPEED & COUNT SENSOR
M	IMT	MICROWAVE TRANSCEIVER
VMS	IOVHVMS	PERM. OVERHEAD VMS
PA	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR
	IPEDS	PEDESTRIAN SIGNAL HEAD
	IPSS	PAVEMENT SURFACE SENSOR
PVMS	IPVMS	PERM. VMS
RM	IRM	RAMP METER
RWIS	IRWIS	RDWY WEATHER INFO. SENSOR
	ISP	SOLAR PANEL
SS	ISST	SPREAD SPECT. TRANSCEIVER
TC	ITDB	TELEPHONE DEMARCATION BLK
TP	ITP	SUBSURFACE TEMP. PROBE
	IVTRT	VEHICLE TO RDWY TRANSCEIVER
W/M	IWIMD	WEIGHT IN MOTION DETECTOR
WVR	IWVR	WIRELESS VIDEO REPEATER
V	IWVRC	WIRELESS VIDEO RECEIVER
V	IWVTT	WIRELESS VIDEO TRANSMITTER

ROW MAPPING

CELL	NAME	DESCRIPTION
	MDL1P	DEED LINE, TYPE 1
	MDL2P	DEED LINE, TYPE 2
	MDL3P	DEED LINE, TYPE 3
	MDL4P	DEED LINE, TYPE 4
	MDL5P	DEED LINE, TYPE 5
	MEEP	EASEMENT, EXISTING
A	MEPAP_P	EASEMENT, PERM., APPROX.
	MEPP_P	EASEMENT, PERM., BACK LINE
	MEPSP_P	EASEMENT, PERM., SHAPE
	MFAP_P	FEE ACQUISITION, APPROX.
	MFP_P	FEE ACQUISITION, BACK LINE
	MFSP_P	FEE ACQUISITION, SHAPE
	MHBAP	HIGHWAY BNDRY., APPROX.
	MHBCP	HISTORICAL, BLDG. CORNERS
	MHBP	HIGHWAY BNDRY, PT.
	MJCP	PT., JURIS. CITY
	MPBC	PT., BUILDING CORNER
	MPCC	PT., CROSS CUT
	MPDH	PT., DRILL HOLE
	MPF	PT., FENCE LOCATION
	MPIP	PT., IRON PIPE
	MPIR	PT., IRON ROD
	MPM	PT., MONUMENT
	MPMM	PT., MONUMENT, MISC.
	MPN	PT., NAIL
	MPRS	PT., RAILROAD SPIKE
	MPSP	PT., SPIKE
	MPST	PT., STAKE
	MPTW	PT., TREE W/ WIRE
	MPWL	PT., WALL LOCATION

ROW ACQUISITION

M1 P1 FEE	MFS_P_T	FEE ACQUISITION
M1 P1 PE	MEPS_P_T	EASEMENT, PERMANENT
M1 P1 TE	METS_P_T	EASEMENT, TEMPORARY
M1 P1 TO	METS_P_T	OCCUPANCY, TEMPORARY
M1 P1 FEE W/O A	MFS_P_T	FEE ACQUISITION W/O ACCESS

ROADWAY

	RES_P	ELEVATION, SPOT
	RGA	GUIDE RAIL, ANCHOR
	RGP	GUIDE POST, SINGLE

SIGNS

CELL	NAME	DESCRIPTION
	S	SINGLE POST
	S_P	SINGLE POST, PROPOSED
	SB_P	BACK TO BACK, PROPOSED
	SDEL	DELINEATORS
	SPM	PARKING METER
RFM	SRM	REFERENCE MARKERS
	SRSC3	SHLD, CTY, 123 DIG.
	SRSC4	SHLD, CTY, 4 DIG.
	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.
	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.
	SRSI	SHLD, INTERSTATE
	SRSN2	SHLD, NATIONAL, 2 DIG.
	SRSN3	SHLD, NATIONAL, 3 DIG.
	SRSS2	SHLD, STATE, 2 DIG.
	SRSS3	SHLD, STATE, 3 DIG.
	SRSS4	SHLD, STATE, 4 DIG.

TRAFFIC CONTROL

	TCBJ	BOX, JUNCTION
	TCBP	BOX, PULL BOX
	TCBS	BOX, SPLICE
	TCMC	MICROCOMPUTER CABINET
	TCPP	PED POLE
	TCSH	SIGNAL HEADS
	TCSP	SIGNAL POLE

TRAFFIC WORK ZONE

	TWZAP_P	ARROW PANEL
	TWZAPC_P	ARROW PANEL, CAUTION MODE
	TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT
	TWZBCD_P	BARRICADE (TYPE III)
	TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)
	TWZFLG_P	FLAGGER
	TWZFT_P	FLAG TREE
	TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	TWZLUM_P	LUMINAIRE (TEMPORARY)
	TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC
	TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR
	TWZSGN_P	SIGN (TEMPORARY)
	TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)
	TWZWL_P	WARNING LIGHT
	TWZWV_P	WORK VEHICLE
	TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

UTILITIES

CELL	NAME	DESCRIPTION
E	UEB	ELECTRIC, BOX
E	UEM	ELECTRIC, METER
E	UEMH	ELECTRIC, MANHOLE
E	UEPT	ELECTRIC, POLE, TRANS.
G	UGM	GAS, METER
G	UGMH	GAS, MANHOLE
	UGLM	GAS, LINE MARKER
FP	UGP	GAS/FUEL PUMP
	UGV	GAS, VALVE
	UGVT	GAS, VENT
	ULP	LIGHTING, POLE
	ULPM	LIGHTING, POLE, MEDIAN
	ULPP	LIGHTING, POLE, PED.
	UMFC	MISC. FILLER CAP
	UOLM	OIL, LINE MARKER
	UP	POLE, WITH UTILITY
	UPD	POLE, DEAD (NO UTILITY)
	UPL	POLE, WITH LIGHT
S	USMH	SANITARY SEWER MANHOLE
P	UTB	TELEPHONE, BOOTH
	UTLM	TELEPHONE, LINE MARKER
T	UTMH	TELEPHONE, MANHOLE
	UTVLM	CABLE TV, LINE MARKER
C	UTVPB	CABLE TV, PULL BOX
	UUB	UNKNOWN, BOX
	UUJB	UNKNOWN, JUNCTION BOX
	UUMH	UNKNOWN, MANHOLE
	UUPB	UNKNOWN, PULL BOX
	UUVL	UNKNOWN, VALVE
	UUVT	UNKNOWN, VENT
W	UUW	UNKNOWN, WELL
	UWFH	WATER, FIRE HYDRANT
W	UWM	WATER, METER
W	UWMH	WATER, MANHOLE
	UWV	WATER, VALVE
W	UWW	WATER, WELL

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466 ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED LEGEND	CONTRACT NUMBER D265554 B&L DRAWING NO. LEG-2 SHEET NO. 4

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DRAFTING P. ZIARKO/M. KROMICKI | CHECK M. PATTERSON | DESIGN R. WOOD | CHECK | PROJECT MANAGER G. WEHBE | W. FINCH

NOTES:

1. THE ELECTRONIC FILES IDENTIFIED AS PLANS FOR THE SUBJECT PROJECT HAVE BEEN COMPLETED IN ACCORDANCE WITH ALL APPLICABLE NYSDOT STANDARDS AND SPECIFICATIONS. THE PROFESSIONAL SEAL(S) LOCATED HEREIN APPLY TO ALL FILES LISTED IN THE "ELECTRONIC FILES IDENTIFIED AS PLANS" TABLE WHERE THE ENGINEER OF RECORD IS LISTED.

2. THE CONTRACTOR SHALL UTILIZE THE INFORMATION IN ELECTRONIC FORM, OR DETERMINE HOW TO BEST MANIPULATE THE MODEL TO PRINT DESIRED INFORMATION. THE CAD INFORMATION IS GEOSPATIALLY LOCATED USING THE APPROPRIATE STATE PLANE COORDINATE SYSTEM. THE ELECTRONIC FILES IDENTIFIED AS PLANS ARE A PART OF THE CONTRACT DOCUMENTS AND ARE AVAILABLE FOR DOWNLOAD WITH THE OTHER CONTRACT DOCUMENT ELEMENTS. THE ELECTRONIC FILES ARE PROVIDED WITH SUFFICIENT DETAIL TO ALLOW THE CONTRACTOR, SUBCONTRACTORS, FABRICATORS AND SUPPLIERS TO QUICKLY, EFFICIENTLY AND ACCURATELY SHARE INFORMATION NECESSARY TO COMPLETE THE WORK.

ELECTRONIC FILES IDENTIFIED AS PLANS

	FILE NAME	FILE DESCRIPTION	DATE/TIME MODIFIED	AFFIX SEAL:	ALTERED BY:
PROFESSIONAL OF RECORD	***HORIZONTAL AND VERTICAL ALIGNMENT DATA***			STATE OF NEW YORK · MATTHEW J SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER *BARTON & LOGUIDICE, D.P.C*	
	D265554_FEA_RWY_ALG.XML	ROADWAY ALIGNMENT	3/19/2025 11:33 AM		
	D265554_FEA_CRK_ALG.XML	STREAM GEOMETRY	3/19/2025 11:37 AM		
	D265554_FEA_RET_ALG.XML	RETAINING WALL ALIGNMENT	6/10/2025 11:44 AM		
	D265554_FEA_WZTC_ALG.XML	TEMPORARY STRUCTURE ALIGNMENT	6/10/2025 11:22 AM		
	D265554_FEA_RWY_REMINGTON_ALG.XML	ROADWAY ALIGNMENT - REMINGTON RD	6/10/2025 11:33 AM		
	D265554_FEA_RWY_SUPER.XLS	SUPERELEVATION	3/19/2025 11:48 AM		
PROFESSIONAL OF RECORD	***SURVEY BASELINE***			S. ARTHUR 6/11/2025 STATE OF NEW YORK · STEPHEN D. ARTHUR · 051166 · LICENSED LAND SURVEYOR *NYSDOT*	
	D265554_FEA_RWY_BSL.XML	SURVEY BASELINE	6/11/2025 10:02 AM		

NOTE: DATE/TIME MODIFIED IS EASTERN TIME ZONE. BE ADVISED THE ACTUAL FILE TIME STAMPS WILL AUTOMATICALLY ADJUST BY ONE HOUR WHEN TRANSITIONING TO AND FROM DAYLIGHT SAVINGS TIME.

ELECTRONIC FILES IDENTIFIED AS PLANS - REVISIONS SUMMARY

REVISED FILE NAME	REVISED BY	DATE REVISED	DESCRIPTION OF ALTERATIONS

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466 ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

ELECTRONIC FILES IDENTIFIED AS PLANS

CONTRACT NUMBER D265554

DRAWING NO. ELE-01
SHEET NO. 5

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KROWICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

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FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 4\2LC121_cph_ele_01.dgn
DATE = 6/9/2025
TIME = 11:14:57 AM

GENERAL NOTES:

DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF THE LETTING DATE. (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: f'c = 4,000 psi.)

CONSTRUCTION SPECIFICATIONS: NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS WITH ALL PROVISIONS IN EFFECT AS OF THE LETTING DATE.

THIS STRUCTURE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MAINTENANCE MANUAL FOR ROADWAYS AND BRIDGES.

DESIGN LIVE LOAD: AASHTO HL - 93.

DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONALLY AND ARE FULLY DIMENSIONED.

ALL SHOP DRAWINGS FOR THIS PROJECT SHALL BE PREPARED IN U.S. CUSTOMARY UNITS.

NO KNOWN ASBESTOS CONTAINING MATERIALS ARE BELIEVED TO EXIST AND/OR THE WORK TO BE PERFORMED UNDER THIS CONTRACT DOES NOT REQUIRE THE DISTURBANCE, DESTRUCTION OR REMOVAL OF ANY OF THESE MATERIALS. IT IS THE EXPRESS INTENT OF THIS CONTRACT THAT THESE MATERIALS ARE NOT TO BE DISTURBED IN ANY WAY. SHOULD THE CONTRACTOR ENCOUNTER ASBESTOS, HE/SHE SHALL IMMEDIATELY STOP WORK AND NOTIFY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE ENGINEER BEFORE PROCEEDING.

FOUNDATION NOTES:

EMBANKMENT IN PLACE, ITEM 203.03 AND SELECT STRUCTURE FILL, ITEM 203.21, SHALL BE PLACED SIMULTANEOUSLY, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.

THE COST OF WATER USED FOR COMPACTION OF EMBANKMENT IN PLACE MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.03 - EMBANKMENT IN PLACE.

THE COST OF WATER USED FOR COMPACTION OF THE SELECT STRUCTURAL FILL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21 - SELECT STRUCTURE FILL.

SUBSTRUCTURE NOTES:

THE CONTRACTOR, WITH THE APPROVAL OF THE DCES, MAY ELECT TO INTRODUCE CONSTRUCTION JOINTS IN THE ABUTMENTS AND/OR WINGWALLS AT LOCATIONS NOT SHOWN IN THE PLANS. CONSTRUCTION JOINTS SHALL BE PROVIDED WITH SHEAR KEYS AND WATERSTOPS. VERTICAL CONSTRUCTION JOINTS INTRODUCED IN THE ABUTMENTS AND/OR WINGWALLS SHOULD PREFERABLY BE PLACED MIDWAY BETWEEN THE PEDESTALS.

THE COST OF ALL JOINT MATERIAL AND WATERSTOPS AT CONCRETE CONSTRUCTION JOINTS, CONTRACTION AND EXPANSION JOINTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

COFFERDAM NOTES:

SHOULD THE CONTRACTOR ELECT TO LAY BACK A PORTION OF THE EXISTING EARTH ADJACENT TO AN EXCAVATION REQUIRING A COFFERDAM, ANY REQUIRED EXTENSIONS TO THE COFFERDAM NECESSARY TO KEEP WATER FROM ENTERING THE EXCAVATION SHALL BE FURNISHED AND PLACED AT NO COST TO THE STATE.

WHEN A COFFERDAM IS USED, THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE COFFERDAM ITEM.

SHOULD FIELD CONDITIONS REQUIRE A CHANGE IN THE TYPE OF COFFERDAM SYSTEM CALLED FOR IN THE PLANS, THE ENGINEER SHALL SUBMIT THE CHANGES TO THE DCES FOR REVIEW AND APPROVAL.

IF MULTIPLE COFFERDAMS ARE REPLACED BY A SINGLE SYSTEM, WHEN APPROVED BY THE REGIONAL HYDRAULICS ENGINEER, PAYMENT SHALL BE BASED ON ALL OF THE APPLICABLE COFFERDAM ITEMS INDICATED IN THE PLANS.

DEWATER THE COFFERDAM BY PUMPING THE WATER TO AN APPROVED UPLAND VEGETATED AREA OUTSIDE OF THE STREAMBED AS SHOWN IN THE PLANS AND/OR APPROVED BY THE ENGINEER. TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL, SUCH AS SEDIMENT FILTER LOGS OR APPROVED EQUAL, MAY BE REQUIRED AS DETERMINED BY THE ENGINEER. NO SETTLEMENT BASIN SHALL BE CONSTRUCTED.

SUPERSTRUCTURE NOTES:

CARE SHALL BE TAKEN TO PREVENT CONTAMINATION OF THE WATERWAY BY THE SEALER. IF THE MANUFACTURER'S INSTRUCTIONS REQUIRE MIXING OF THE SEALER PRIOR TO APPLICATION, MIXING SHALL OCCUR IN A MANNER THAT WILL PREVENT CONTAMINATION OF THE WATERWAY. THE CONTRACTOR SHALL HAVE AVAILABLE FOR IMMEDIATE USE MATERIALS TO SOAK UP OR CONTAIN ANY ACCIDENTAL SPILLS. PRIOR TO THE APPLICATION OF THE SEALER, ANY OPENINGS IN THE SURFACE OF THE BRIDGE DECK OR IN THE WALKING SURFACE, SUCH AS SCUPPERS OR OPEN DRAINS SHALL BE COVERED TO PREVENT CONTAMINATION OF THE WATERWAY. CARE SHALL BE TAKEN TO PREVENT SPRAYED SEALER FROM ENTERING THE WATERWAY BY ROLLING THE SEALER OR BY PHYSICALLY ISOLATING THE AREA TO BE SPRAYED FROM THE WATERWAY BY THE USE OF TARPS OR OTHER BARRIER-TYPE MEANS TO THE SATISFACTION OF THE EIC.

REMOVAL NOTES:

EXISTING CULVERT SIZED STRUCTURES SHALL BE REMOVED WITHIN THE PAY LIMITS SHOWN IN THE PLANS UNDER ITEM 206.01 - STRUCTURE EXCAVATION.

RECONSTRUCTION NOTES:

THE DETAILS SHOWN FOR THE CULVERT BARREL ARE BASED ON THE ASSUMPTION THAT THE WATER IN THE STREAM CHANNEL WILL BE DIVERTED OR CARRIED IN A FLUME DURING THE ENTIRE CONSTRUCTION OF THE BARREL. SHOULD THE CONTRACTOR ELECT TO DIVERT THE WATER THROUGH ONE OF THE CELLS BEFORE COMPLETION OF THE ENTIRE BARREL, THE CONTRACTOR SHALL SUBMIT TO THE DCES FOR APPROVAL, THE CONSTRUCTION PROCEDURES AND SKETCHES SHOWING THE LOCATION OF THE PROPOSED CONSTRUCTION AND CONTRACTION JOINTS AND THE CHANGES IN THE BAR REINFORCEMENT DETAILS.

DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.

THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

WHEN ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.

DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL TO THE AREA BELOW THE STRUCTURE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE STOPPED UNTIL ADEQUATE PROTECTION IS PROVIDED.

ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE STRUCTURE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE STATE.

THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID USING THE APPROPRIATE ITEMS IN THE CONTRACT.

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J SCHOOLEY · No 069983 · LICENSED PROFESSIONAL ENGINEER	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466 ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL NOTES

CONTRACT NUMBER D265554

B&L

DRAWING NO. GN-1
SHEET NO. 6

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KROMICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

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DATE = 6/16/2025
TIME = 10:47:51 AM

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF ANY APPLICABLE N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION WATER QUALITY CERTIFICATION AND/OR FRESHWATER WETLANDS AND STREAM DISTURBANCE PERMITS INCLUDING BUT NOT LIMITED TO ARMY CORPS OF ENGINEERS REQUIREMENTS AND REGULATIONS.

ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER IN CHARGE.

AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL TO THE ENGINEER IN CHARGE HIS WRITTEN SCHEDULE AND PROPOSED MEASURES FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK AND SCHEDULE OF OPERATIONS AS REQUIRED BY SECTION 209 OF THE NYSDOT STANDARD SPECIFICATIONS.

ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF ANY STREAM OR WATERWAY BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.

THE TEMPORARY SOIL EROSION AND SEDIMENT CONTROL DEVICES SPECIFIED IN THIS CONTRACT SHALL BE CHECKED AND REPAIRED AS NECESSARY, ON A DAILY BASIS AND AFTER EACH STORM EVENT. PERIODIC CLEANING OF THE SOIL EROSION AND SEDIMENT CONTROL DEVICES WILL BE NECESSARY, A.O.B.E.

ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINT BECOMES OPERATIONAL.

ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER AREAS.

ALL CONTROL MEASURES SHALL BE PLACED PRIOR TO STARTING EARTH WORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE NEW SLOPES ARE STABILIZED WITH PERMANENT VEGETATION AND/OR SLOPE PROTECTION MATERIALS, A.O.B.E.

THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES. STORM WATER FROM DISTURBED AREAS MUST PASS THROUGH SILTATION FENCE OR SEDIMENT FILTER LOGS BEFORE DISCHARGE BEYOND DISTURBED AREAS OR INTO INLETS OF OTHER DRAINAGE SYSTEMS.

ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES OR WATER COURSES.

DISTURBANCES SHOULD BE LIMITED WHENEVER AND WHEREVER POSSIBLE, IN BOTH AREA AND IN TIME. EARTH MATERIAL EXPOSED BY ANY CONSTRUCTION ACTIVITY MUST NOT BE LEFT INACTIVE FOR MORE THAN 7 DAYS WITHOUT THE APPLICATION OF TEMPORARY OR PERMANENT EROSION CONTROLS. SLOPES SHOULD BE RAPIDLY BROUGHT TO FINAL GRADE, STABILIZED, AND SEEDED AS SOON AS POSSIBLE.

ALL AREAS OF SOIL DISTURBANCES RESULTING FROM THIS PROJECT SHALL BE SEEDED WITH SEED MIX AS SPECIFIED AND MULCHED WITH STRAW WITHIN ONE WEEK OF FINAL GRADING. ALL WETLAND AREAS OF TEMPORARY DISTURBANCE RESULTING FROM THIS PROJECT SHALL BE SEEDED WITH AN APPROVED WETLAND SEED MIX AND MULCHED WITH STRAW. IF CONSTRUCTION ACTIVITIES ARE DISCONTINUED IN AREAS OF SOIL DISTURBANCES BEFORE FINAL GRADING IS COMPLETE, TEMPORARY GRADING SHALL ALSO BE SEEDED AND MULCHED A.O.B.E. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE COVER IS ESTABLISHED. PAYMENT FOR TEMPORARY SEEDING AND MULCHING SHALL BE MADE UNDER ITEM 209.1003.

OTHER EROSION CONTROL MEASURES MAY BE REQUIRED A.O.B.E. IN ADDITION TO SCHEMES SHOWN. PAYMENT FOR ADDITIONAL WORK SHALL BE PAID UNDER THE APPROPRIATE ITEM IN THE CONTRACT.

ENCLOSE ANY TEMPORARY STOCKPILES OF TOPSOIL OR FILL, AND SOIL SURCHARGE AREAS WITH SEDIMENT FILTER LOG, ITEM 209.23010009, TO PREVENT EROSION OF THE PILE. ALL SEDIMENT FILTER LOG SHALL BE INSTALLED ON THE CONTOUR WITH A GRADE OF 2% OR LESS. STOCKPILES SHALL BE STABILIZED WITH MULCH IMMEDIATELY AND THOSE EXPOSED FOR LONGER THAN TWO WEEKS SHALL RECEIVE TEMPORARY SEEDING. PAYMENT FOR TEMPORARY SEEDING AND MULCHING SHALL BE MADE UNDER ITEM 209.23010009.

THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED IN THE CONTRACT DOCUMENTS MAY REQUIRE FIELD ADJUSTMENT DEPENDING ON THE SEQUENCE OF CONSTRUCTION ACTIVITIES, CONSTRUCTION METHODS, AND/OR ACTUAL FIELD CONDITIONS. THE ENGINEER SHALL BE NOTIFIED OF ANY SIGNIFICANT FIELD CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE CONTRACT DOCUMENTS.

TYPICALLY THE SEDIMENT FILTER LOG SHALL BE INSTALLED ALONG EXISTING/PROPOSED CONTOUR LINES.

THE CONTRACTOR SHALL COMPLY WITH THE NYSDOT STANDARD SHEET, DETAILS, WITHIN THE CONTRACT DOCUMENTS, AND MANUFACTURER INSTALLATION GUIDELINES WHEN INSTALLING EROSION, AND SEDIMENT CONTROL MEASURES OR A.O.B.E.

STREAM PROTECTION NOTES:

DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY STREAM FROM POLLUTION BY DEBRIS, SEDIMENT, CONSTRUCTION MATERIALS OR OTHER FOREIGN MATERIALS, OR FROM THE OPERATION OF EQUIPMENT IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THE STREAM TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, THE CONTRACTOR SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM.

STREAM RESTRICTIONS:

IN-STREAM WORK IS PROHIBITED BETWEEN THE FOLLOWING DATES:

C230091- SITE 17: OCTOBER 1 - MAY 15

WATERWAY DIVERSION PAY ITEMS:

C230091: 553.020001 & 553.020002

DESIGN SUPERVISOR	JOB MANAGER	DESIGN	CHECK	PROJECT MANAGER
M. SCHOOLEY	W. FINCH/B. TREMBLAY	R. WOOD	G. WEHBE	W. FINCH

DRAFTING	CHECK
P. ZIARKO/M. KROWICKI	M. PATTERSON

AFFIX SEAL:
ON:

STATE OF NEW YORK
MATTHEW J. SCHOOLEY
No. 069983
LICENSED PROFESSIONAL ENGINEER

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466 ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES
1081000

CULVERTS
C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

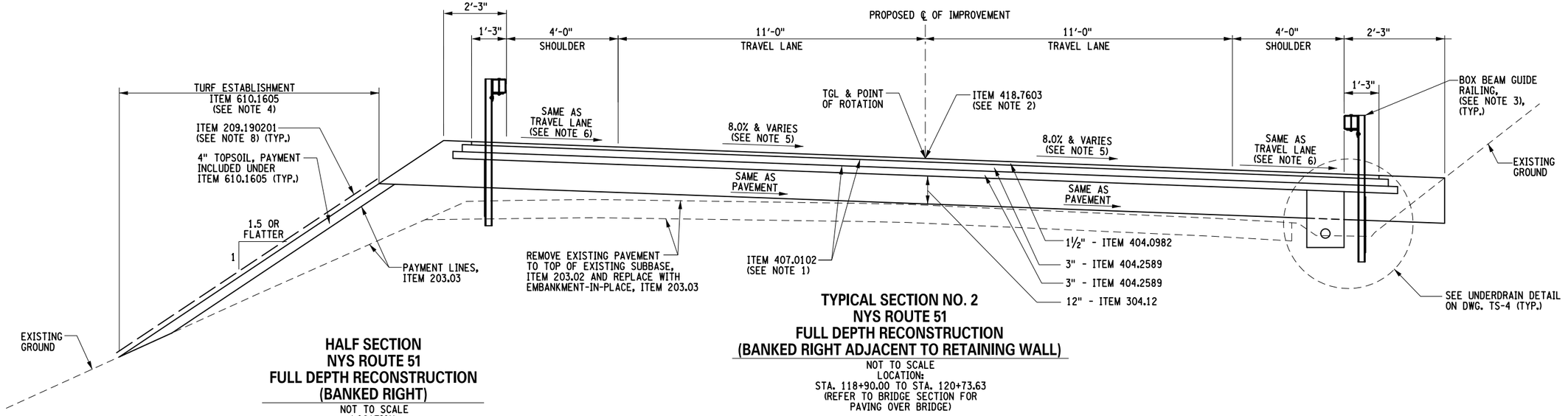
EROSION CONTROL NOTES

CONTRACT NUMBER
D265554

B&L

DRAWING NO. ECN-1
SHEET NO. 7

NEW YORK STATE | Department of Transportation

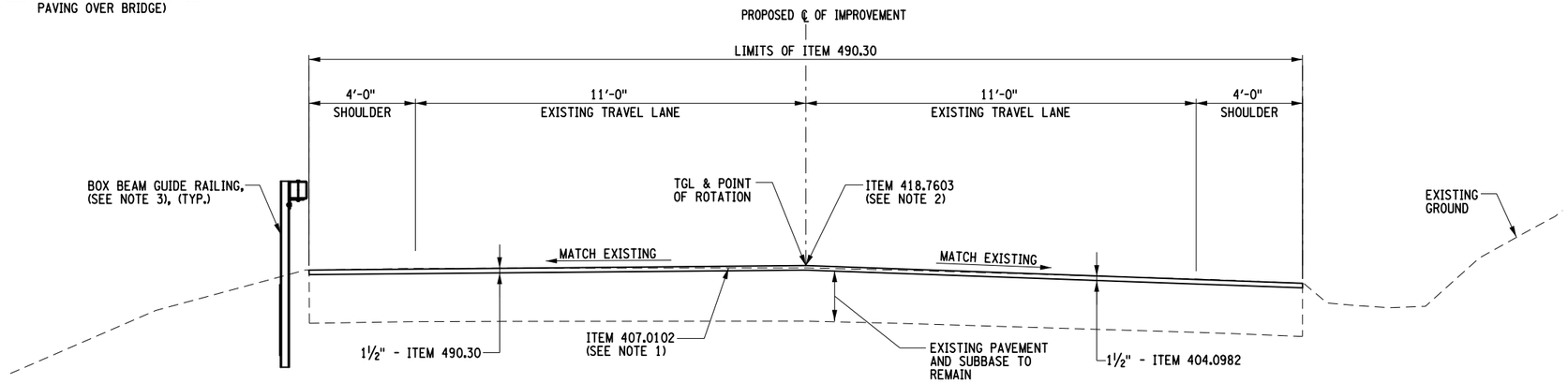


HALF SECTION
NYS ROUTE 51
FULL DEPTH RECONSTRUCTION
(BANKED RIGHT)

NOT TO SCALE
LOCATION:
STA. 118+90.00 TO STA. 119+38.00; LT
(REFER TO BRIDGE SECTION FOR PAVING OVER BRIDGE)

TYPICAL SECTION NO. 2
NYS ROUTE 51
FULL DEPTH RECONSTRUCTION
(BANKED RIGHT ADJACENT TO RETAINING WALL)

NOT TO SCALE
LOCATION:
STA. 118+90.00 TO STA. 120+73.63
(REFER TO BRIDGE SECTION FOR PAVING OVER BRIDGE)



HALF SECTION
WITH GUIDE RAIL

NOT TO SCALE
LOCATION:
STA. 118+50.00 TO STA. 118+90.00 LT.
STA. 123+25.00 TO STA. 124+10.00 RT.

TYPICAL SECTION NO. 1
MILLING AND RESURFACING

NOT TO SCALE
LOCATION:
STA. 118+45.00 TO STA. 118+90.00
STA. 123+25.00 TO STA. 123+95.00

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
203.03	EMBANKMENT IN PLACE	CY	620.04	STONE FILLING (MEDIUM)	CY
304.12	SUBBASE COURSE, TYPE 2	CY	620.0801	BEDDING MATERIAL, TYPE 1	CY
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON			
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0102	DILUTED TACK COAT	GAL			
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY			

NOTES:

1. TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT AND ON MILLED SURFACE.
2. ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS ON THE TOP COURSE ONLY.
3. REFER TO GUIDE RAILING PLAN (DWG. NO. RLG-1) FOR GUIDE RAIL LOCATIONS AND ITEM NUMBERS.
4. LIMITS FOR ESTABLISHING TURF SHALL BE FROM THE OUTSIDE EDGE OF THE STABILIZED SHOULDER TO THE POINT WHERE WORK INTERSECTS THE EXISTING GROUND, A.O.B.E. WHEN IN THE JUDGEMENT OF THE ENGINEER, THE SUBBASE COURSE IS UNSUITABLE FOR ESTABLISHING A SATISFACTORY STAND OF GRASS, SEEDING AND ITS PAYMENT UNDER ITEM 610.1605 SHALL NOT BE AUTHORIZED.
5. REFER TO HIGHWAY INDEX OF ELECTRONIC FILES IDENTIFIED AS PLANS TABLE ON DWG IND-1 FOR DIGITAL DATA AND SUPPLEMENTAL INFORMATION REGARDING SUPERELEVATION RATE INFORMATION.
6. USE 25' AT BEGINNING AND END OF FULL DEPTH RECONSTRUCTION TO TRANSITION SHOULDER CROSS SLOPES TO MATCH EXISTING.
8. ITEM 209.190201 SHALL BE USED ON SLOPES 1:2 OR STEEPER.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

STATE OF NEW YORK
MATTHEW J. SCHOOLEY
LICENSED PROFESSIONAL ENGINEER
No. 069983

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

TYPICAL SECTIONS
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. TS-1
SHEET NO. 8

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY
JOB MANAGER W. FINCH/B. TREMBLAY
DRAFTING P. ZIARKO/M. KRONICKI
CHECK M. PATTERSON
DESIGN R. WOOD
PROJECT MANAGER G. WEHBE
CHECK W. FINCH

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225062 - Region 2 Large Culvert\Contract 4\Site 17 - C230091\2LC121.cph.typ.site 17.dgn
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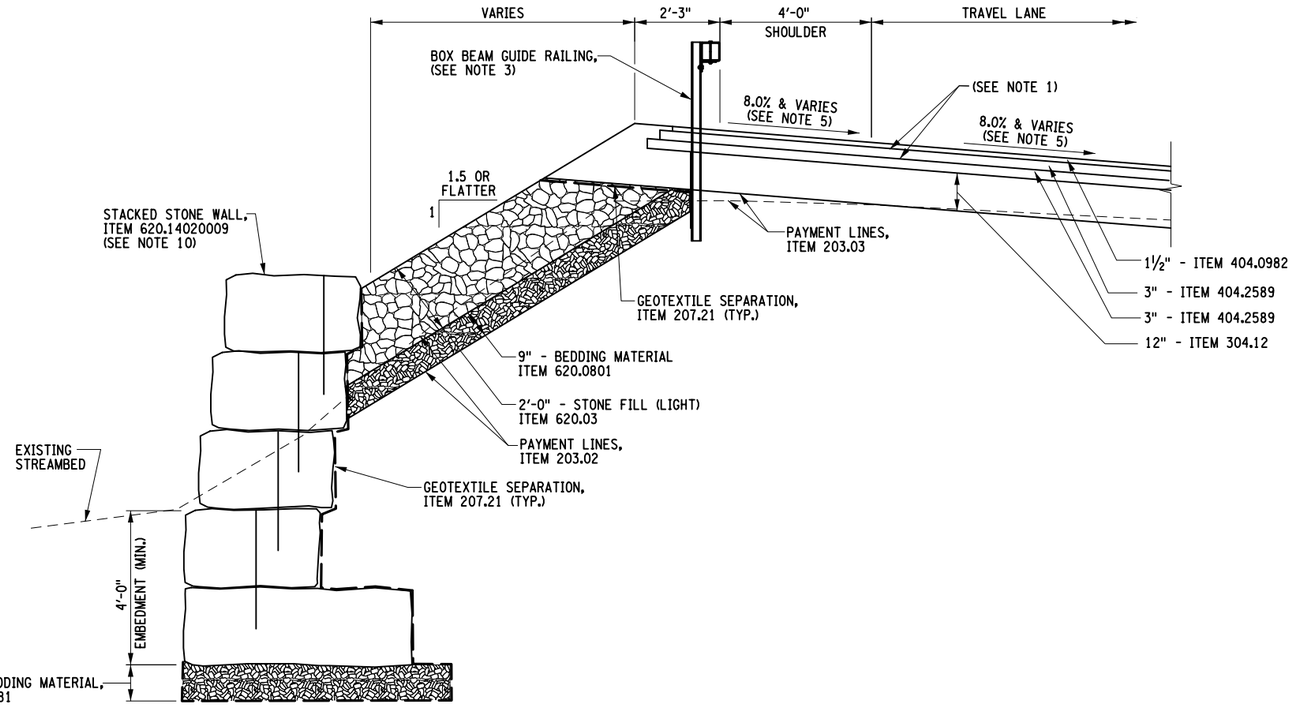

HALF SECTION
NYS ROUTE 51
FULL DEPTH RECONSTRUCTION
ADJACENT TO STACKED STONE WALL

NOT TO SCALE
LOCATION:
STA. 119+38.00 TO STA. 120+49.13, LT

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	620.0801	BEDDING MATERIAL, TYPE 1	CY
203.03	EMBANKMENT IN PLACE	CY	620.14020009	EXTRA HEAVY STONE, TYPE B	CY
207.21	GEOTEXTILE SEPARATION	SY			
304.12	SUBBASE COURSE, TYPE 2	CY			
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON			
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0102	DILUTED TACK COAT	GAL			
620.03	STONE FILLING (LIGHT)	CY			

NOTES:

1. TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT AND ON MILLED SURFACE.
3. REFER TO GUIDE RAILING PLAN (DWG. NO. RLG-1) FOR GUIDE RAIL LOCATIONS AND ITEM NUMBERS.
5. REFER TO HIGHWAY INDEX OF ELECTRONIC FILES IDENTIFIED AS PLANS TABLE ON DWG IND-1 FOR DIGITAL DATA AND SUPPLEMENTAL INFORMATION REGARDING SUPERELEVATION RATE INFORMATION.
10. REFER TO DWGS. RW-1 AND RW-2 FOR WALL PLANS, ELEVATION, AND SECTION DETAILS.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

STATE OF NEW YORK
MATTHEW J. SCHOOLEY
No. 069983
LICENSED PROFESSIONAL ENGINEER

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES
1081000

CULVERTS
C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

TYPICAL SECTIONS
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER
D265554

B&L

DRAWING NO. TS-2
SHEET NO. 9

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

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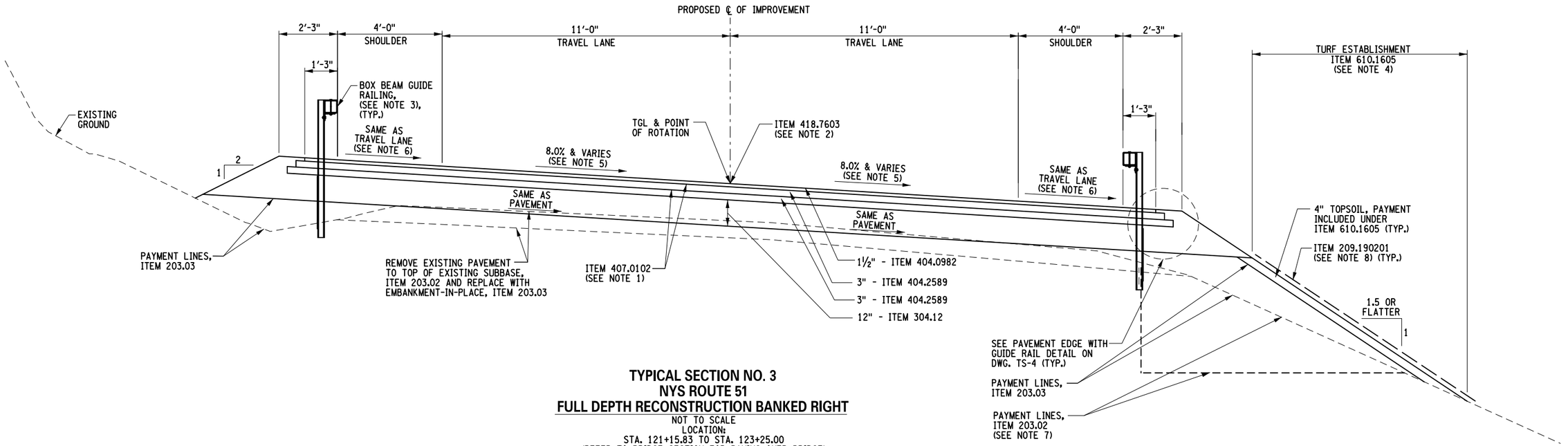

TYPICAL SECTION NO. 3
NYS ROUTE 51
FULL DEPTH RECONSTRUCTION BANKED RIGHT

NOT TO SCALE
LOCATION:
STA. 121+15.83 TO STA. 123+25.00
(REFER TO BRIDGE SECTION FOR PAVING OVER BRIDGE)

NOTES:

1. TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT AND ON MILLED SURFACE.
2. ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS ON THE TOP COURSE ONLY.
3. REFER TO GUIDE RAILING PLAN (DWG. NO. RLG-1) FOR GUIDE RAIL LOCATIONS AND ITEM NUMBERS.
4. LIMITS FOR ESTABLISHING TURF SHALL BE FROM THE OUTSIDE EDGE OF THE STABILIZED SHOULDER TO THE POINT WHERE WORK INTERSECTS THE EXISTING GROUND, A.O.B.E. WHEN IN THE JUDGEMENT OF THE ENGINEER, THE SUBBASE COURSE IS UNSUITABLE FOR ESTABLISHING A SATISFACTORY STAND OF GRASS, SEEDING AND ITS PAYMENT UNDER ITEM 610.1605 SHALL NOT BE AUTHORIZED.
5. REFER TO HIGHWAY INDEX OF ELECTRONIC FILES IDENTIFIED AS PLANS TABLE ON DWG IND-1 FOR DIGITAL DATA AND SUPPLEMENTAL INFORMATION REGARDING SUPERELEVATION RATE INFORMATION.
6. USE 25' AT BEGINNING AND END OF FULL DEPTH RECONSTRUCTION TO TRANSITION SHOULDER CROSS SLOPES TO MATCH EXISTING.
7. REFER TO STANDARD SHEET 203-02 FOR BENCHING DETAILS AND PAYMENT METHOD.
8. ITEM 209.190201 SHALL BE USED ON SLOPES 1:2 OR STEEPER.

ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF
203.03	EMBANKMENT IN PLACE	CY	610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
304.12	SUBBASE COURSE, TYPE 2	CY			
209.190201	ROLLED EROSION CONTROL PRODUCT, CLASS II TYPE B, INTERMEDIATE	CY			
404.0982	9.5 F2 TOP COURSE ASPHALT, 80 SERIES COMPACTION	TON			
404.2589	25 F9 BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON			
407.0102	DILUTED TACK COAT	GAL			

AFFIX SEAL:
ON:

ALTERED BY:
ON:

STATE OF NEW YORK
MATTHEW J SCHOOLEY
No 069983
LICENSED PROFESSIONAL ENGINEER

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES
1081000

CULVERTS
C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

CONTRACT NUMBER
D265554

B&L

TYPICAL SECTIONS
ROUTE 51 OVER STEELE CREEK

DRAWING NO. TS-3
SHEET NO. 10

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY
JOB MANAGER W. FINCH/B. TREMBLAY
DESIGN R. WOOD
CHECK M. PATTERSON
DRAFTING P. ZIARKO/M. KRONICKI
CHECK G. MEHBE
PROJECT MANAGER W. FINCH

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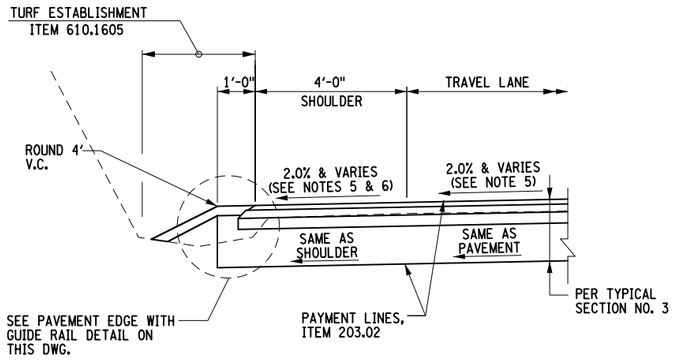
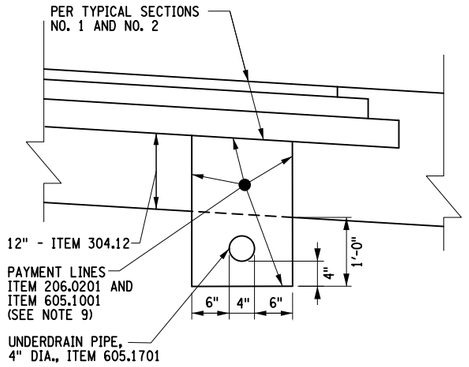


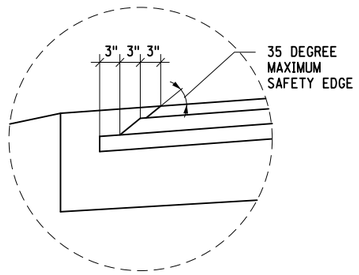
NYS ROUTE 51
HALF SECTION
FULL DEPTH RECONSTRUCTION WITHOUT GUIDERAIL

NOT TO SCALE
LOCATION:
STA. 122+50.00 TO STA. 123+25.00, LT



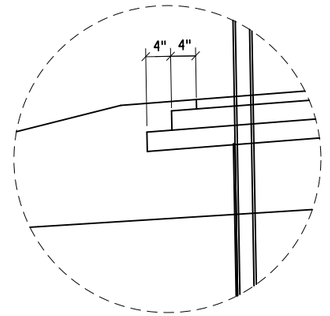
UNDERDRAIN DETAIL

NOT TO SCALE
(REFER TO UNDERDRAIN TABLE ON DWG. MT-1 FOR OUTLET LOCATIONS)



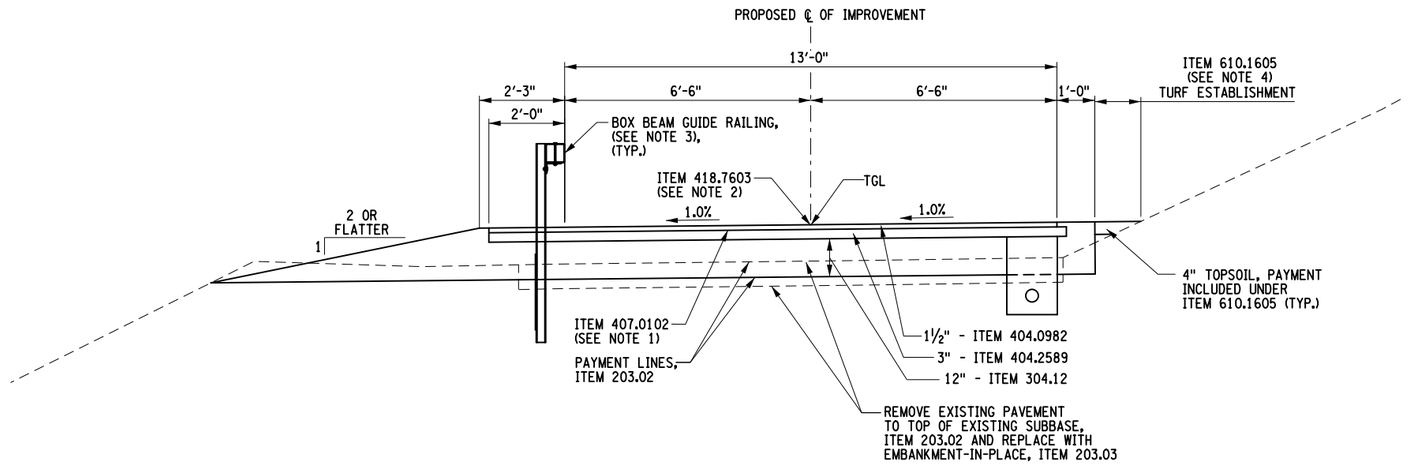
PAVEMENT EDGE DETAIL

NOT TO SCALE



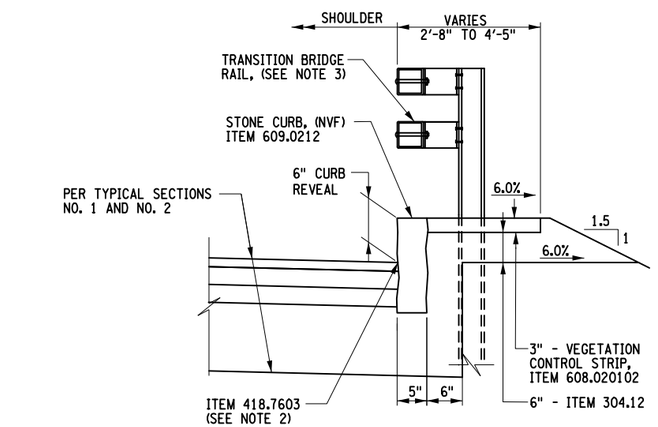
PAVEMENT EDGE WITH GUIDERAIL DETAIL

NOT TO SCALE



TYPICAL SECTION NO. 4
REMINGTON ROAD
FULL DEPTH RECONSTRUCTION

NOT TO SCALE
LOCATION:
STA. R 1+15.00 TO STA. R 2+00.00



HALF SECTION WITH CURB AND TRANSITION RAILING

NOT TO SCALE
LOCATIONS:
STA. 121+07.34 TO STA. 121+13.85; LT.
STA. 120+63.64 TO STA. 120+80.45; RT.
STA. 121+28.80 TO STA. 121+68.87; RT.

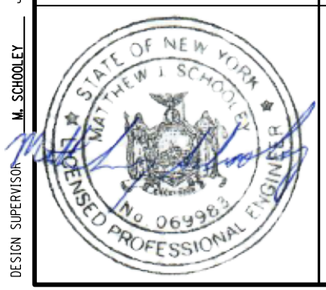
ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, BICYCLE PATHS,	TON
203.03	EMBANKMENT IN PLACE	CY		AND VEGETATION CONTROL STRIPS	
206.0201	TRENCH AND CULVERT EXCAVATION	CY	609.0212	STONE CURB, (NVF)	LF
304.12	SUBBASE COURSE, TYPE 2	CY	610.1605	TURF ESTABLISHMENT - PERFORMANCE	SY
407.0102	DILUTED TACK COAT	GAL			
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF			
605.1001	UNDERDRAIN FILTER TYPE 2	CY			
605.1701	OPTIONAL UNDERDRAIN PIPE, 4 INCH DIAMETER	LF			

NOTES:

1. TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF ASPHALT AND ON MILLED SURFACE.
2. ITEM 418.7603 SHALL BE APPLIED ON ALL VERTICAL FACES FOR ALL JOINTS ON THE TOP COURSE ONLY.
3. REFER TO GUIDE RAILING PLAN (DWG. NO. RLG-1) FOR GUIDE RAIL LOCATIONS AND ITEM NUMBERS.
4. LIMITS FOR ESTABLISHING TURF SHALL BE FROM THE OUTSIDE EDGE OF THE STABILIZED SHOULDER TO THE POINT WHERE WORK INTERSECTS THE EXISTING GROUND, A.O.B.E. WHEN IN THE JUDGEMENT OF THE ENGINEER, THE SUBBASE COURSE IS UNSUITABLE FOR ESTABLISHING A SATISFACTORY STAND OF GRASS, SEEDING AND ITS PAYMENT UNDER ITEM 610.1605 SHALL NOT BE AUTHORIZED.
5. REFER TO HIGHWAY INDEX OF ELECTRONIC FILES IDENTIFIED AS PLANS TABLE ON DWG IND-1 FOR DIGITAL DATA AND SUPPLEMENTAL INFORMATION REGARDING SUPERELEVATION RATE INFORMATION.
6. USE 25' AT BEGINNING AND END OF FULL DEPTH RECONSTRUCTION TO TRANSITION SHOULDER CROSS SLOPES TO MATCH EXISTING.
9. EXCAVATION FOR UNDERDRAIN SHALL BE MADE AFTER SUBBASE COURSE HAS BEEN PLACED AND COMPACTED.

AFFIX SEAL:
ON:

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES
1081000

CULVERTS
C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

TYPICAL SECTIONS
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER
D265554

B&L

DRAWING NO. TS-4
SHEET NO. 11

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK G. WEHBE | PROJECT MANAGER W. FINCH | DRAFTING P. ZIARKO/M. KRONICKI | CHECK M. PATTERSON

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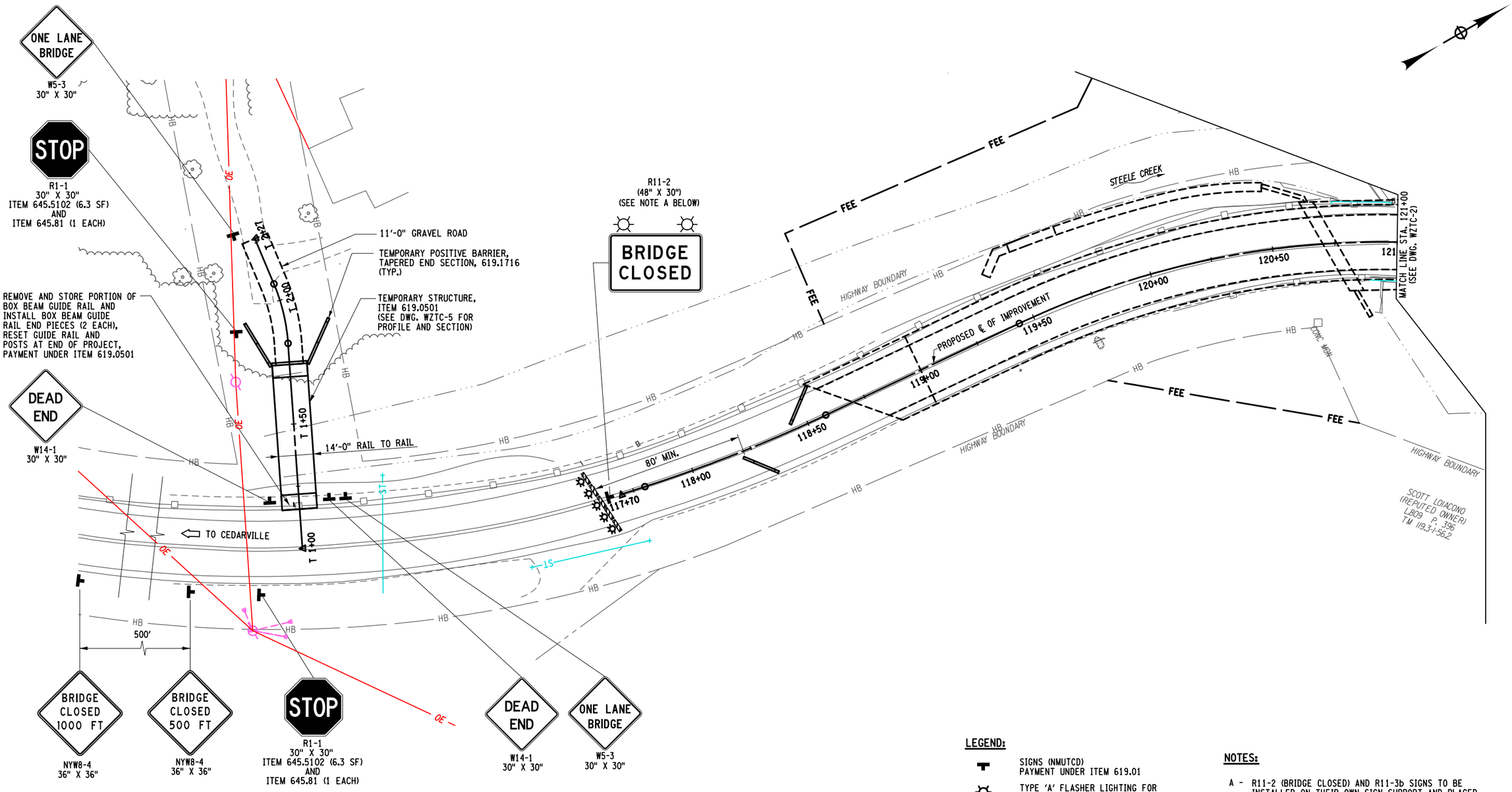

LEGEND:

- SIGNS (NMUTCD) PAYMENT UNDER ITEM 619.01
- TYPE 'A' FLASHER LIGHTING FOR SIGNS, PAYMENT UNDER ITEM 619.01
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- TEMPORARY POSITIVE BARRIER CATEGORY 1 (PINNING PROHIBITED), ITEM 619.1711
- PROPOSED WORK

NOTES:

A - R11-2 (BRIDGE CLOSED) AND R11-3b SIGNS TO BE INSTALLED ON THEIR OWN SIGN SUPPORT AND PLACED BEHIND THE TYPE III BARRICADE OR TEMPORARY BARRIER AT A 5 FOOT MOUNTING HEIGHT.

20 0 20 40 60 FEET
SCALE BAR

AFFIX SEAL: ON:	ALTERED BY: ON:

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21
BRIDGES 1081000
CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

WORK ZONE TRAFFIC CONTROL PLAN
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554
B&L
DRAWING NO. WZTC-1
SHEET NO. 12

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK G. WEHBE | PROJECT MANAGER W. FINCH | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI

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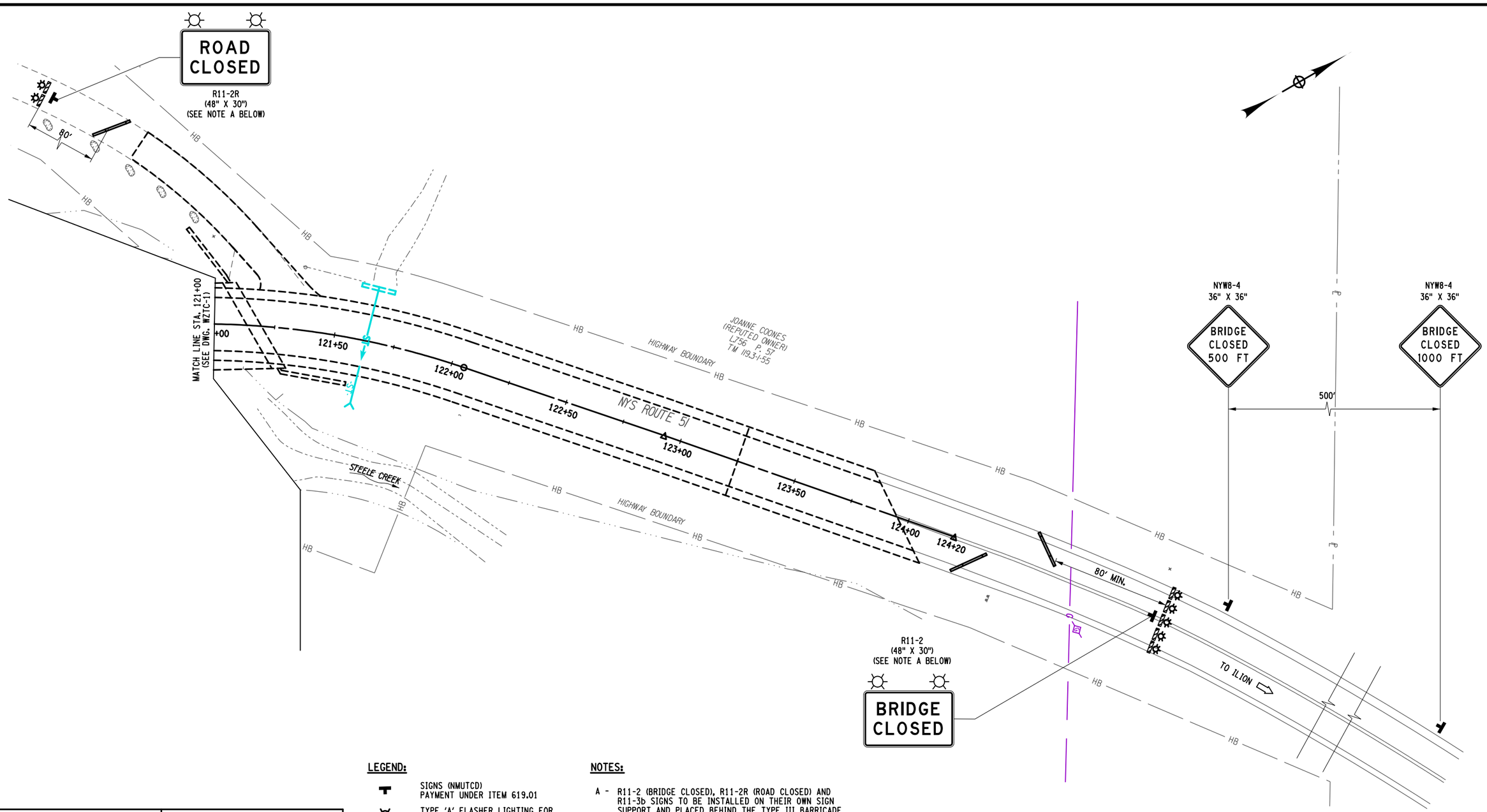

LEGEND:

- SIGNS (NMUTCD) PAYMENT UNDER ITEM 619.01
- TYPE 'A' FLASHER LIGHTING FOR SIGNS, PAYMENT UNDER ITEM 619.01
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- TEMPORARY POSITIVE BARRIER CATEGORY 1 (PINNING PROHIBITED), ITEM 619.1711

NOTES:

A - R11-2 (BRIDGE CLOSED), R11-2R (ROAD CLOSED) AND R11-3b SIGNS TO BE INSTALLED ON THEIR OWN SIGN SUPPORT AND PLACED BEHIND THE TYPE III BARRICADE OR TEMPORARY BARRIER AT A 5 FOOT MOUNTING HEIGHT.

20 0 20 40 60 FEET
SCALE BAR

AFFIX SEAL: ON:	ALTERED BY: ON:

STATE OF NEW YORK MATTHEW J. SCHOOLEY LICENSED PROFESSIONAL ENGINEER No. 069983

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265554
ROUTE 51 OVER STEELE CREEK				WORK ZONE TRAFFIC CONTROL PLAN ROUTE 51 OVER STEELE CREEK	DRAWING NO. WZTC-2
SH 5466: ILION - CEDARVILLE					SHEET NO. 13
TOWN OF LITCHFIELD					
COUNTY: HERKIMER REGION: 2					

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

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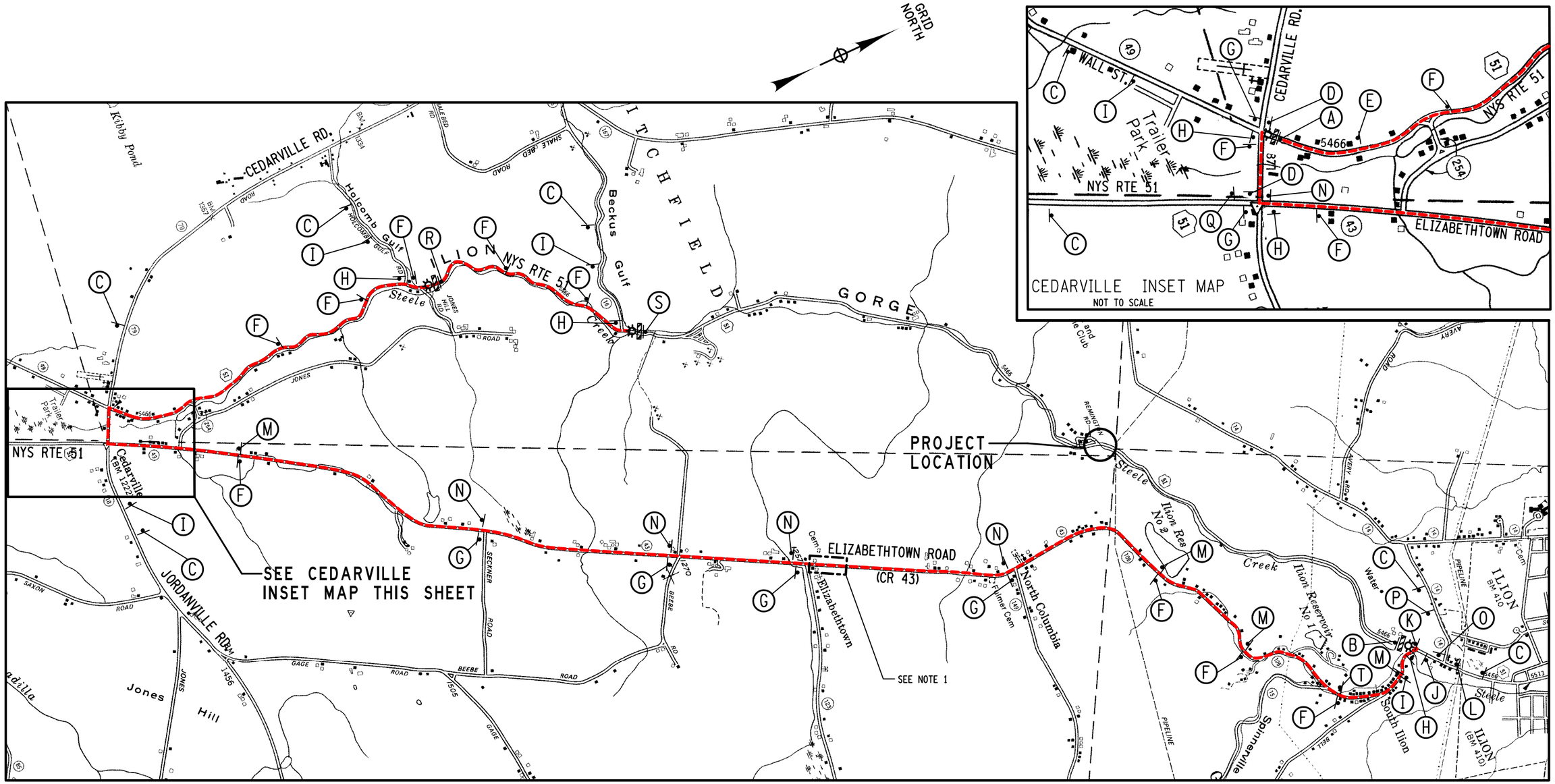


LEGEND:

- SIGNS (NMUTCD), PAYMENT UNDER ITEM 619.01
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- DETOUR ROUTE

NOTES:

1. REFER TO DWG. WZTC-6 FOR IMPROVEMENTS REQUIRED ON THE DETOUR ROUTE PRIOR TO OPENING THE DETOUR.
2. SEE DWG. WZTC-4 FOR DETOUR SIGN FACE LAYOUTS.
3. FOR ADDITIONAL INFORMATION, REFER TO NYSDOT STANDARD SHEET 619-503.
4. COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.

CONFIRMATION SIGNS (F) (M) SHALL BE REPEATED AT A MAXIMUM DISTANCE OF EVERY HALF MILE, IN ACCORDANCE WITH NYSDOT STANDARD SHEET 619-503.

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

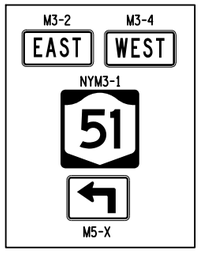
LARGE CULVERT REPLACEMENT	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265554
ROUTE 51 OVER STEELE CREEK				WORK ZONE TRAFFIC CONTROL DETOUR PLAN	DRAWING NO. WZTC-3
SH 5466: ILION - CEDARVILLE				ROUTE 51 OVER STEELE CREEK	SHEET NO. 14
TOWN OF LITCHFIELD					
COUNTY: HERKIMER REGION: 2					

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

NOTES:

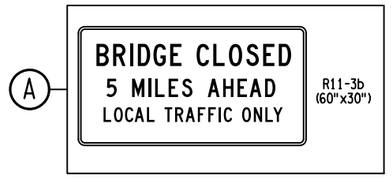
1. SEE DWGS. WZTC4-2 TO WZTC4-5 FOR DETOUR SIGN LOCATIONS.
2. FOR ADDITIONAL INFORMATION ON SIGNS AND SPACING, REFER TO NYSDOT STANDARD SHEET 619-503.
3. COVER ANY CONFLICTING SIGNS, PAYMENT UNDER ITEM 619.01.
4. R11-3R SIGNS SHALL BE INSTALLED ON THEIR OWN SIGN STANDS AT 5' MOUNTING HEIGHT, AND PLACED BEHIND THE TYPE III BARRICADE, (SIGN CAN BE LOCATED AT EDGE OF TRAVELED WAY).



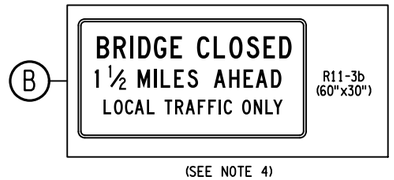
ALL NYM3-2, M3-X, M5-X, AND M6-X ARROW SIGNS AND CARDINAL DIRECTION SIGNS SHALL BE WHITE AND BLACK (TYP.)

ALL M4-8 "DETOUR" SIGNS SHALL BE BLACK AND ORANGE (TYP.)

DETOUR SIGN TABLE



(SEE NOTE 4)



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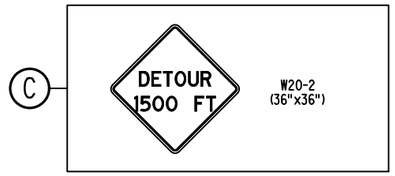
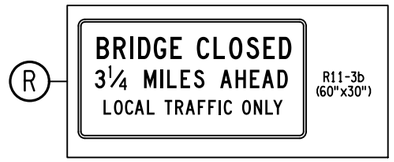
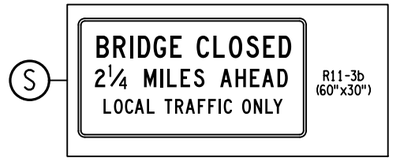




(SEE NOTE 4)



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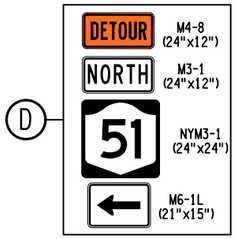
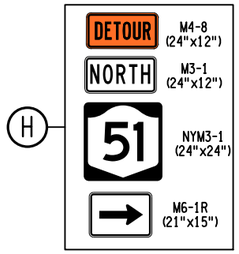
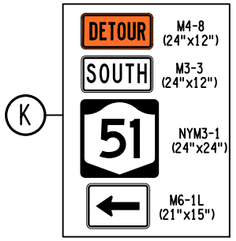
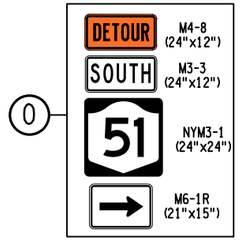
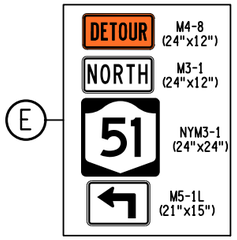
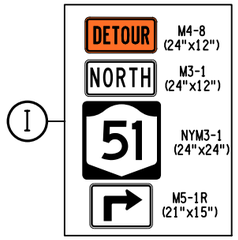


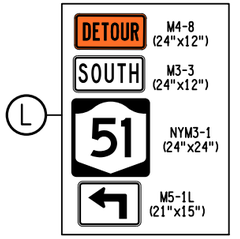


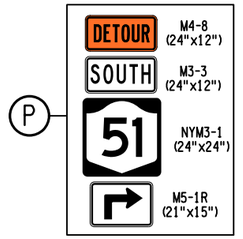


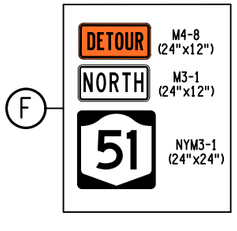


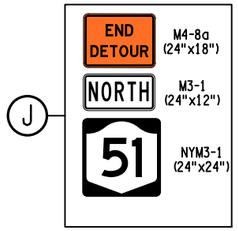


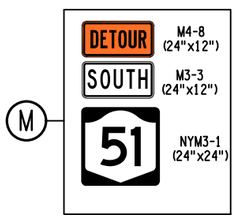


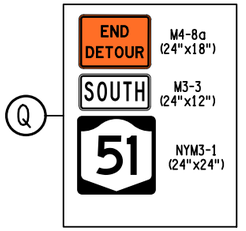


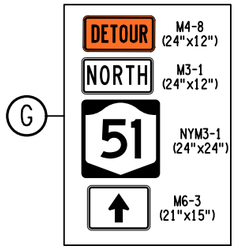


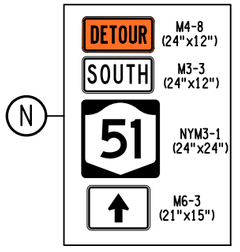


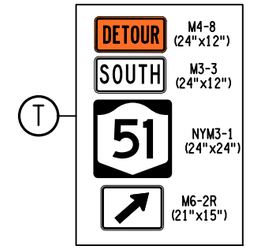










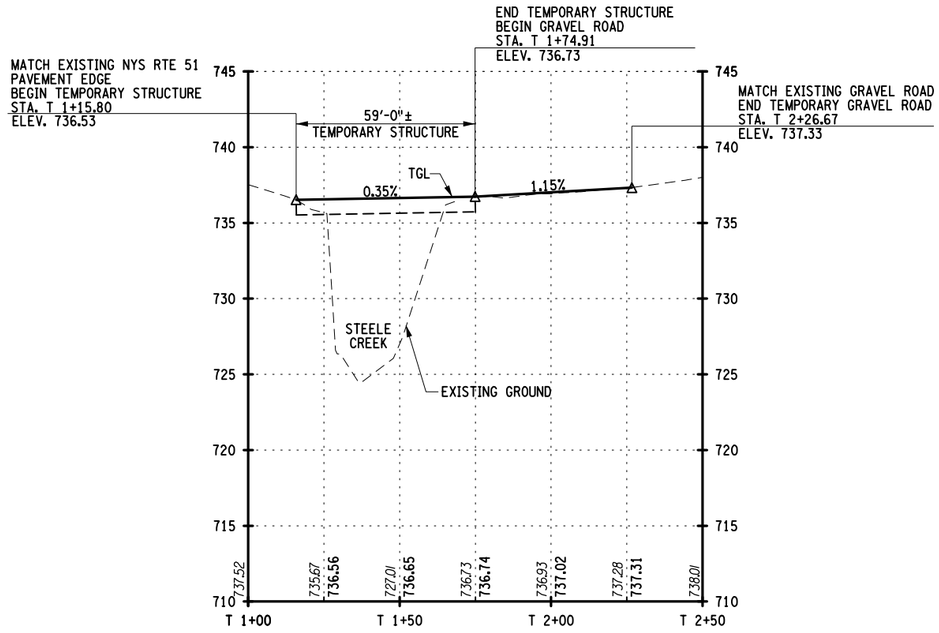


AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No 069983	

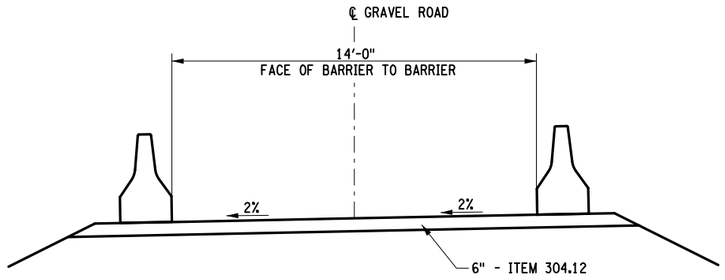
AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265554
ROUTE 51 OVER STEELE CREEK				WORK ZONE TRAFFIC CONTROL SIGNFACE LAYOUTS ROUTE 51 OVER STEELE CREEK	DRAWING NO. WZTC-4
SH 5466: ILION - CEDARVILLE					SHEET NO. 15
TOWN OF LITCHFIELD					
COUNTY: HERKIMER REGION: 2					

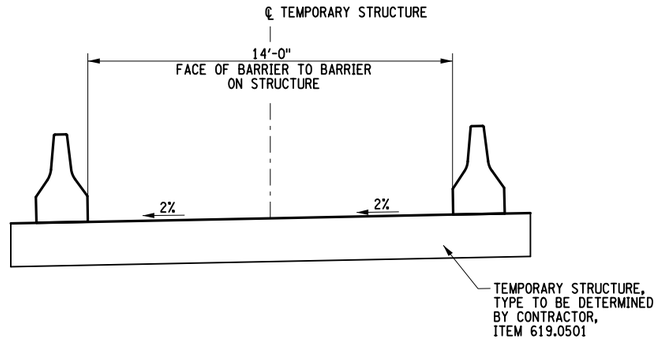
NEW YORK STATE Department of Transportation



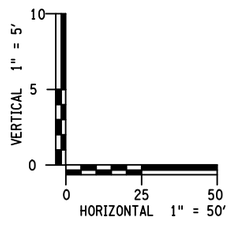
TEMPORARY STRUCTURE PROFILE



TEMPORARY APPROACH SECTION



TEMPORARY STRUCTURE SECTION



TEMPORARY DETOUR STRUCTURE FOUNDATION NOTES:

THE PROPOSED TEMPORARY STRUCTURE SHALL PROVIDE AT THE UPSTREAM FASCIA, A MINIMUM HYDRAULIC AREA (MEASURED PERPENDICULAR TO THE FLOW) OF 180.0 SQ. FT. BELOW THE LOW BEAM ELEVATION OF 734.0. THE MINIMUM CLEAR SPAN SHALL BE 45 FT.

THE PROPOSED TEMPORARY STRUCTURE SHALL BE DESIGNED TO WITHSTAND SCOUR RESULTING FROM THE PROJECTED Q50 DESIGN FLOW.

THE TEMPORARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS USING A DESIGN LIVE LOAD OF HL-93 AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISION OF §619 - WORK ZONE TRAFFIC CONTROL OF THE NYSDOT STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS.

TEMPORARY DETOUR STRUCTURE FOUNDATION NOTES:

THE CONTRACTOR'S PROPOSED DETOUR SCHEME MAY REQUIRE A SUPPORT SYSTEM. IF A SUPPORT SYSTEM IS REQUIRED, DESIGN, SUBMIT FOR APPROVAL AND INSTALL THIS SYSTEM IN ACCORDANCE WITH TEMPORARY STRUCTURES AND APPROACHES, ITEM 619.0501. INCLUDE THE COST OF THIS WORK IN THE LUMP SUM BID FOR ITEM 619.0501 - TEMPORARY STRUCTURES AND APPROACHES. BASE THE DESIGN UPON THE FOLLOWING:

LOCATION	UNIT WEIGHT (LBS/FT3)	FRICTION ANGLE (DEGREES)	COHESION (LBS/FT2)	WALL FRICTION (DEGREES)
ON SITE DETOUR	120	32	0	0

A. USE A GROUNDWATER ELEVATION OF 730.00 FEET.

B. IF STEEL SHEETING IS USED, DO NOT DESIGN THE SHEETING TO REQUIRE EMBEDMENT BELOW ELEVATION 709.00 FEET, DUE TO BEDROCK.

NOTES:

1. COST TO CONSTRUCT DETOUR INCLUDING SUPPORT SYSTEM, TEMPORARY STRUCTURE, EMBANKMENT-IN-PLACE, EXCAVATION, SUBBASE, PAVEMENT, AND THE REMOVAL OF THE TEMPORARY DETOUR AND RESTORATION OF GROUND SHALL BE INCLUDED UNDER ITEM 619.0501. SPECIFICATION REFERENCE FOR THESE ITEMS ARE FOR CONSTRUCTION AND MATERIAL SPECIFICATION ONLY.
2. REFER TO DWGS. WZTC-1 TO WZTC-4 FOR WORK ZONE TRAFFIC CONTROL PLANS/SIGNING.
3. ALL DETOUR AND EMBANKMENTS MUST REMAIN INSIDE HIGHWAY BOUNDARY. USE VERTICAL SUPPORT SYSTEM WHEN NECESSARY TO REMAIN INSIDE HIGHWAY BOUNDARY, PAYMENT UNDER ITEM 619.0501.

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J SCHOOLEY · No 069983 · LICENSED PROFESSIONAL ENGINEER	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21 | BRIDGES 1081000 | CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

PROFILE
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554 — B&L

DRAWING NO. WZTC-5
SHEET NO. 16

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

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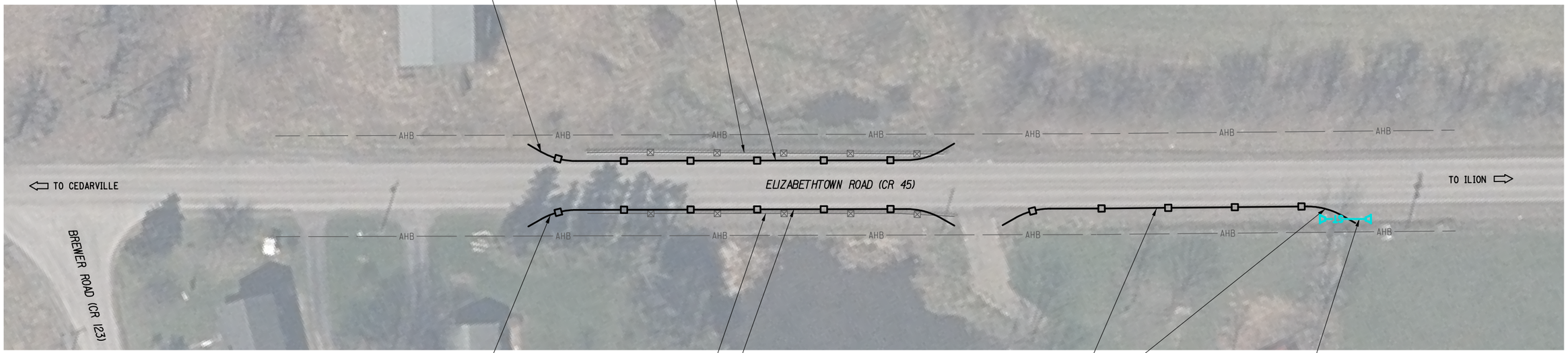

NOTES:

1. IMPROVEMENTS TO THE DETOUR ROUTE SHALL BE COMPLETED AND APPROVED BY THE ENGINEER PRIOR TO THE CLOSURE OF ROUTE 51 AND OPENING OF THE DETOUR.

25' 0 25' 50'

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK MATTHEW J SCHOOLEY LICENSED PROFESSIONAL ENGINEER No 069983	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED WORK ZONE TRAFFIC CONTROL IMPROVEMENTS TO DETOUR ROUTE ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 B&L DRAWING NO. WZTC-6 SHEET NO. 17

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. MEHBE | PROJECT MANAGER W. FINCH

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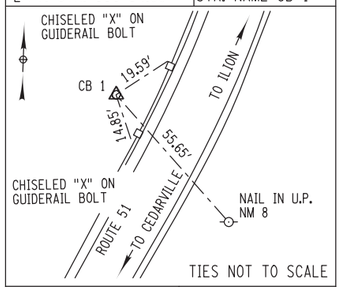
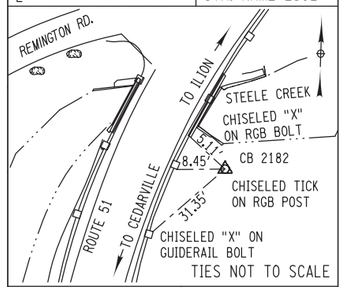
℄ PT. STA. 116+54.00	STA. NAME CB 1



N 1512853.109	E 337364.182

DESCRIPTION: CB 1 IS A 60D NAIL SET ON THE WESTERLY SIDE OF ROUTE 51, 485±' SOUTH OF REMINGTON ROAD.

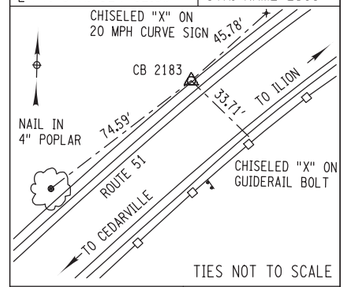
℄ PT. STA. 120+87.35	STA. NAME 2182



N 1513264.103	E 337501.572

DESCRIPTION: CB 2182 IS A REBAR & CAP SET ON THE EASTERLY SIDE OF ROUTE 51, 50±' SOUTH OF REMINGTON ROAD.

℄ PT. STA. 124+62.63	STA. NAME 2183



N 1513548.762	E 337746.129

DESCRIPTION: CB 2183 IS A REBAR & CAP SET ALONG THE WESTERLY SIDE OF ROUTE 51, 100±' NORTHEASTERLY OF RM 51 2303 1133.

TABLE OF BENCHMARKS

NAME	DESCRIPTION	STATION (APPROX.)	OFFSET (FT)	ELEVATION (FT)
BM 10	A CHISELED SQUARE ON THE NORTHWESTERLY CORNER OF A HISTORICAL PLAQUE LOCATED ON THE EASTERLY SIDE OF ROUTE 51, 150± FEET SOUTHERLY OF REMINGTON ROAD.	℄ 119+84	2 RIGHT	728.22
BM 20	A CHISELED SQUARE LOCATED ON THE NORTHWESTERLY WING WALL OF A HEADWALL FOR CULVERT C230091 NEAR REMINGTON ROAD ALONG THE WESTERLY SIDE OF ROUTE 51.	℄ 120+91	35 LEFT	724.69
BM 30	A RAILROAD SPIKE IN UTILITY POLE NUMBER NM 8, LOCATED ON THE EASTERLY SIDE OF ROUTE 51, 510± FEET SOUTHERLY OF REMINGTON ROAD.	℄ 116+26 F.T.P.B.	46 RIGHT	742.64

SURVEY DATUM		
HORIZONTAL	VERTICAL	
DATUM: NAD 83 (2011)	DATUM: NAVD 88	THE COMBINED SCALE FACTOR IS A FUNCTION OF CONVERTING GEODETIC CONTROL DATA TO PLANIMETRIC DISTANCES AT SEA LEVEL.
NYSPCS ZONE: EAST 3101	UNITS: FT	THE COMBINED SCALE FACTOR FOR THIS SITE IS: 1.000000000
UNITS: FT		A SURVEY CONTROL REPORT IS AVAILABLE FOR THE CONTRACTOR'S USE AT THE REGIONAL D.O.T. OFFICE, UNDER FILE NUMBER - G 3301.06 OR FROM PROJECTWISE, REGION 2, P.I.N. 2LC1.21 SURVEY FOLDER

TABLE OF RIGHT OF WAY ACQUISITIONS

MAP NO(S).	PARCEL NO.(S)	TRN. NO.	REPUTED OWNER(S)	TYPE OF ACQUISITION	DWG. NO.(S)	AREA SQ. FT.	REMARKS
47	96	1	BILLIE JO AIELLO	FEE	GP17-1	8,618±	
48	97	2	SCOTT LOIACONO	FEE	GP17-1	2,003±	

R.O.W. MARKERS

NOTES:
1. DISCLAIMER THAT THE TABLE OF MONUMENTS IS FOR ESTIMATION PURPOSES ONLY. ALL MONUMENTS SHALL BE PLACED IN ACCORDANCE WITH RIGHT-OF-WAY APPROPRIATION MAPS.
2. WHEN WORK IS COMPLETED UNDER THIS SECTION, THE CONTRACTOR SHALL PROVIDE A SIGNED COPY OF THIS SHEET TO THE EIC AT THE COMPLETION OF THE PROJECT.

℄ STATION	OFFSET	ITEM 625.03	ITEM 625.04	ITEM 625.05
℄ 118+66.89	LEFT	1		
℄ 119+91.86	LEFT	1		
℄ 120+13±	LEFT	1		
℄ 119+82±	RIGHT	1		
℄ 120+77±	RIGHT	1		

EXISTING HIGHWAY & PROPERTY MONUMENTATION
MONUMENTATION FOUND PRIOR TO AND/OR DURING CONSTRUCTION

℄ STATION	OFFSET	FOUND SIZE/TYPE	REESTABLISHMENT RECORD
℄ 120+69.23	12.40' RIGHT	CONCRETE MONUMENT	

PROJECT MANAGER
CHECK S. TUZZOLINO
DRAFTING S. ARTHUR
CHECK S. TUZZOLINO
DESIGN S. ARTHUR
JOB MANAGER
DESIGN SUPERVISOR

FILE NAME = 04-JUN-2025 08:03
DATE/TIME = 04-JUN-2025 08:03
USER = sarthur

AFFIX SEAL: S. ARTHUR
ON: 6/4/2025

STATE OF NEW YORK · STEPHEN D. ARTHUR · LICENSED LAND SURVEYOR · 051166

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
S.H. 5466 ILION - CEDARVILLE - ROUTE 51
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21
ROUTE 51

BRIDGES
1081000

CULVERTS
C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

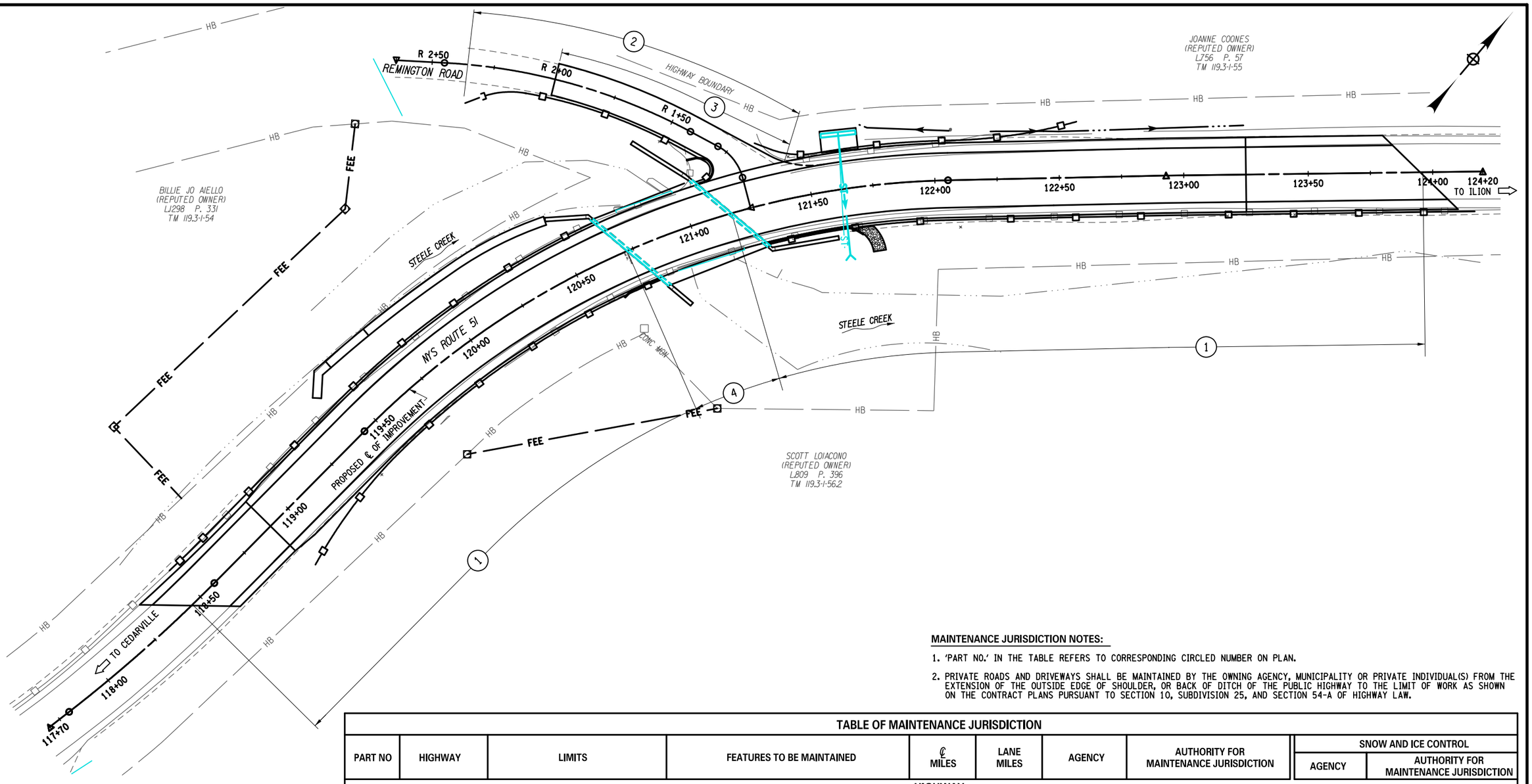
SITE 17

BASELINE TIES AND BENCHMARKS
RIGHT OF WAY TABLES

CONTRACT NUMBER
D265554

DRAWING NO. BLT-1
SHEET NO. 18

NEW YORK STATE | Department of Transportation



20′ 0 20′ 40′

MAINTENANCE JURISDICTION NOTES:

1. 'PART NO.' IN THE TABLE REFERS TO CORRESPONDING CIRCLED NUMBER ON PLAN.
2. PRIVATE ROADS AND DRIVEWAYS SHALL BE MAINTAINED BY THE OWNING AGENCY, MUNICIPALITY OR PRIVATE INDIVIDUAL(S) FROM THE EXTENSION OF THE OUTSIDE EDGE OF SHOULDER, OR BACK OF DITCH OF THE PUBLIC HIGHWAY TO THE LIMIT OF WORK AS SHOWN ON THE CONTRACT PLANS PURSUANT TO SECTION 10, SUBDIVISION 25, AND SECTION 54-A OF HIGHWAY LAW.

TABLE OF MAINTENANCE JURISDICTION

PART NO	HIGHWAY	LIMITS	FEATURES TO BE MAINTAINED	℄ MILES	LANE MILES	AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION	SNOW AND ICE CONTROL	
								AGENCY	AUTHORITY FOR MAINTENANCE JURISDICTION
			HIGHWAY						
(1)	NYS ROUTE 51	STA. 118+45.00 TO STA. 120+72.42 STA. 121+17.13 TO STA. 123+95.00	ALL FEATURES INCLUDING PAVEMENT, DRAINAGE, RETAINING WALL, DITCHES, STRIPING, SIGNS, AND GUIDE RAIL.	0.096	0.192	NYSDOT	HIGHWAY LAW SECTION 12	NYSDOT	HIGHWAY LAW SECTION 12
(2)	REMINGTON ROAD	STA. R 1+15.00 TO STA. R 2+36.00	GUIDE RAIL	0.023	0.023	NYSDOT	HIGHWAY LAW SECTION 12	NYSDOT	HIGHWAY LAW SECTION 12
(3)	REMINGTON ROAD	STA. R 1+15.00 TO STA. R 2+00.00	ALL FEATURES INCLUDING PAVEMENT AND DRAINAGE DITCHES.	0.016	0.016	TOWN OF LITCHFIELD	HIGHWAY LAW SECTION 10 SUB. 25	TOWN OF LITCHFIELD	HIGHWAY LAW SECTION 140-b
			BRIDGE						
(4)	NYS ROUTE 51	STA. 120+72.42 TO STA. 121+17.13	ALL FEATURES INCLUDING SUPERSTRUCTURE, RIP RAP, SUBSTRUCTURE, AND RAILING.	0.008	0.016	NYSDOT	HIGHWAY LAW SECTION 233	NYSDOT	HIGHWAY LAW SECTION 12

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MAINTENANCE JURISDICTION PLAN
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. MJP-1
SHEET NO. 19

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 4\Site 17 - C230091\2LC101_cph_mjp_site 17.dgn
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ITEM 685.1202 (LF) YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS							
FROM STATION	TO STATION	SIDE	TYPE	LENGTH (FT)	WIDTH (IN)	FACTOR	PAYABLE LENGTH
118+25	121+13	CENTER	YSDL	288	4	2.00	576
121+50	124+20	CENTER	YSDL	270	4	2.00	540
						TOTAL:	1,116

ITEM 685.1102 (LF) WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS							
FROM STATION	TO STATION	SIDE	TYPE	LENGTH (FT)	WIDTH (IN)	FACTOR	PAYABLE LENGTH
118+25.00	121+13.00	LT	WEL	288	6	1.5	432
121+50.00	124+20.00	LT	WEL	270	6	1.5	405
118+25.00	124+20.00	RT	WEL	595	6	1.5	893
						TOTAL:	1,730

GUIDE RAILING - REMOVAL (FT)				
FROM STATION	TO STATION	SIDE	ITEM 606.73 (FT)	ITEM 606.7920 (EACH)
118+54	121+02	LT	278	1
121+45	122+25	LT	102	1
120+05	124+13	RT	400	1
T 1+82	T 1+82	LT/RT	22	-
		TOTAL	802	3

GUIDE RAILING - INSTALLATION							
FROM STATION	TO STATION	SIDE	ITEM 606.10 (FT)	ITEM 606.1001 (FT)	ITEM 606.100002 (FT)	ITEM 606.100102 (FT)	ITEM 606.120201 (EA)
118+48.46	119+43.70	LT	90				
119+47.70	120+33.67	LT			99		
121+32.30	121+54.44	LT					1
121+54.44	122+06.13	LT			54		
122+06.13	122+29.82	LT			52		
118+64.49	119+43.71	RT			52		
119+43.71	120+43.36	RT			99		
121+62.74	122+05.28	RT				45	
122+05.28	124+16+68	RT		207			
R 1+49.28	R 2+16.43	LT			63		
R 2+16.43	R 2+41.66	LT					1
Elizabethtown Road		LT	162				2
Elizabethtown Road		RT	162				2
Elizabethtown Road		RT	128				2
		TOTAL:	542	207	419	45	8

UNDERDRAIN TABLE							
CL STATION		SIDE	OUTLET POINT	LENGTH (FT)	ITEM 206.0201 (CY)	ITEM 605.1001 (CY)	ITEM 605.1701 (LF)
FROM	TO						
189+90	120+79	RT	ABUTMENT	185.0	18.5	18.5	185.0
R 1+15	R 1+75	RT	DITCH	60.0	6.0	6.0	60.0
				TOTAL:	24.5	24.5	245.0

AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466 ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS TABLES

CONTRACT NUMBER D265554

B&L

DRAWING NO. MT-1
SHEET NO. 20

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KROMICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

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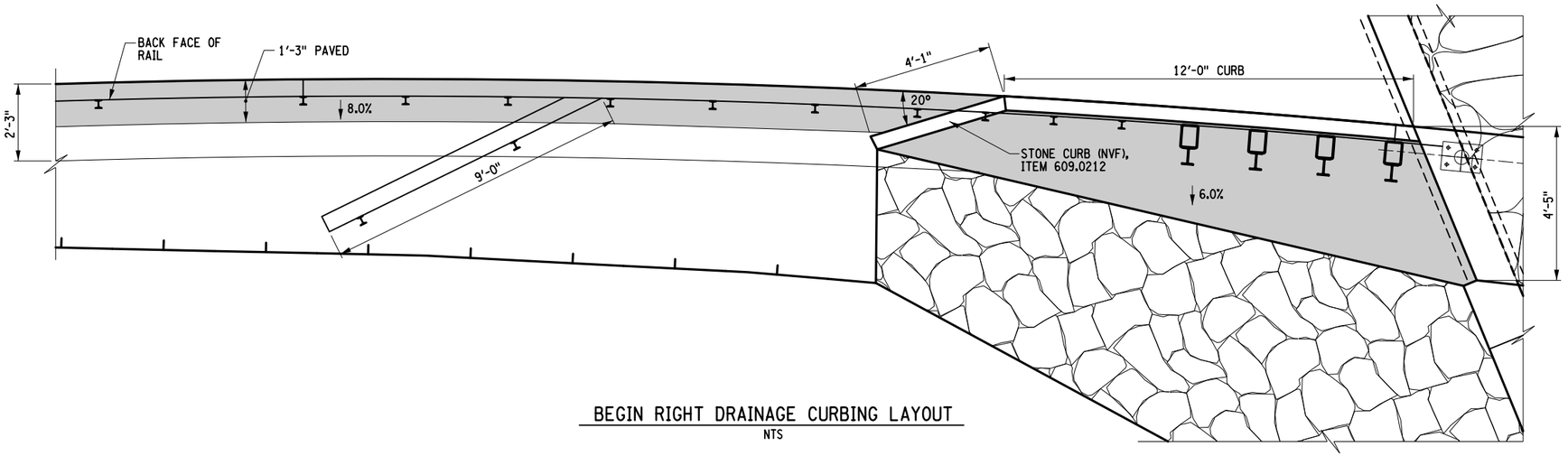

BEGIN RIGHT DRAINAGE CURBING LAYOUT
NTS

LEGEND

PAVED AREA, REFER TO TYPICAL SECTIONS FOR DETAILS

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK MATTHEW J SCHOOLEY LICENSED PROFESSIONAL ENGINEER No 069983	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 B&L DRAWING NO. MSD-1 SHEET NO. 21

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK | DRAFTING P. ZIARKO/M. KRONICKI | CHECK M. PATTERSON | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 4\Site 17 - C230091\2LC121_cph_msdl_site 17.dgn
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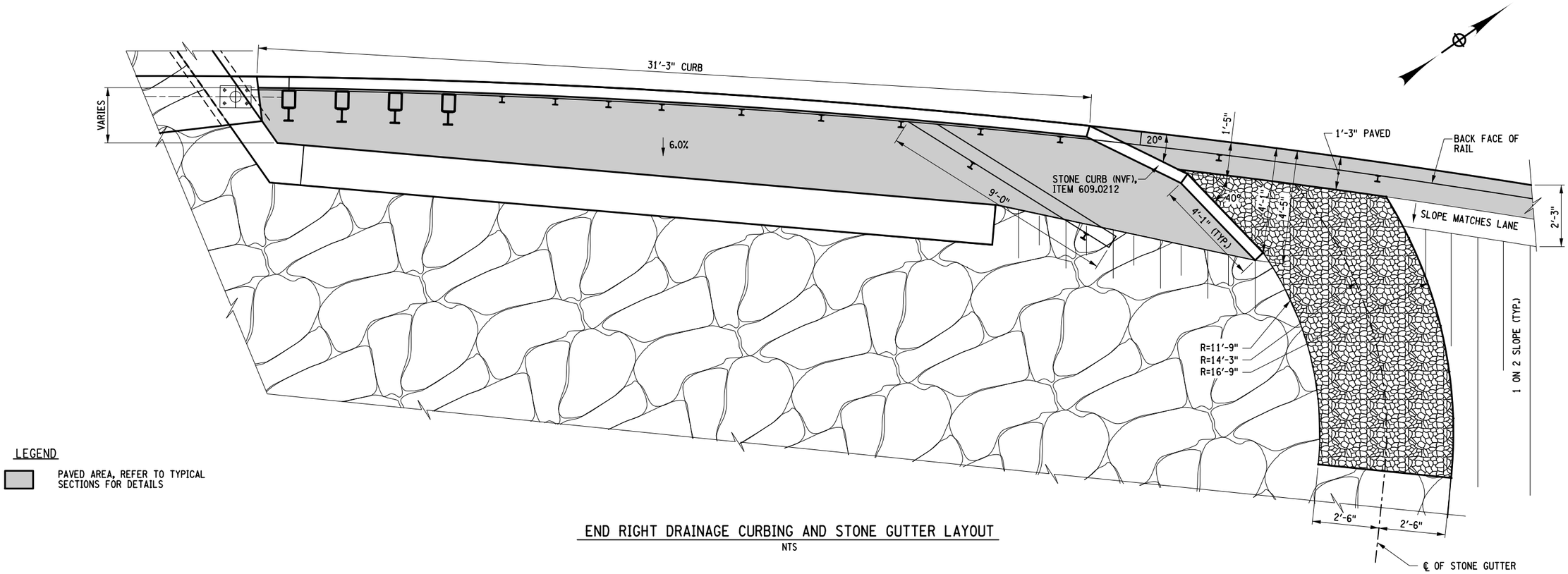
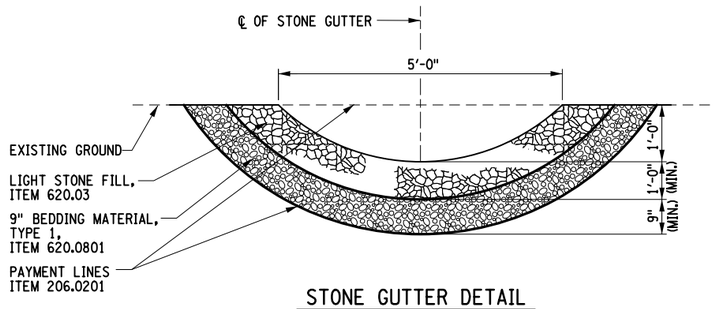


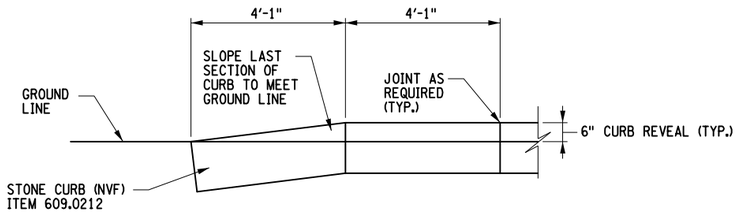
END RIGHT DRAINAGE CURBING AND STONE GUTTER LAYOUT
NTS

LEGEND

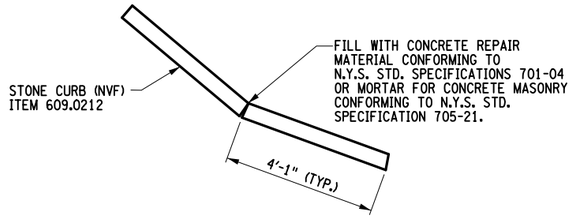
PAVED AREA, REFER TO TYPICAL SECTIONS FOR DETAILS



STONE GUTTER DETAIL
NTS



CURB ELEVATION SECTION
NTS



ALTERNATE CURB JOINT DETAIL
NTS

ITEM	DESCRIPTION	UNIT
206.0201	TRENCH AND CULVERT EXCAVATION	CY
609.0212	STONE CURB (NVF)	LF
620.03	STONE FILL (LIGHT)	CY
620.0801	BEDDING MATERIAL, TYPE 1	CY

NOTES:

AFFIX SEAL:
ON:

ALTERED BY:
ON:

STATE OF NEW YORK
MATTHEW J. SCHOOLEY
No. 069983
LICENSED PROFESSIONAL ENGINEER

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS DETAILS
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. MSD-2
SHEET NO. 22

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY
JOB MANAGER W. FINCH/B. TREMBLAY
DESIGN R. WOOD
CHECK M. PATTERSON
DRAFTING P. ZIARKO/M. KRONICKI
CHECK G. MEHBE
PROJECT MANAGER W. FINCH

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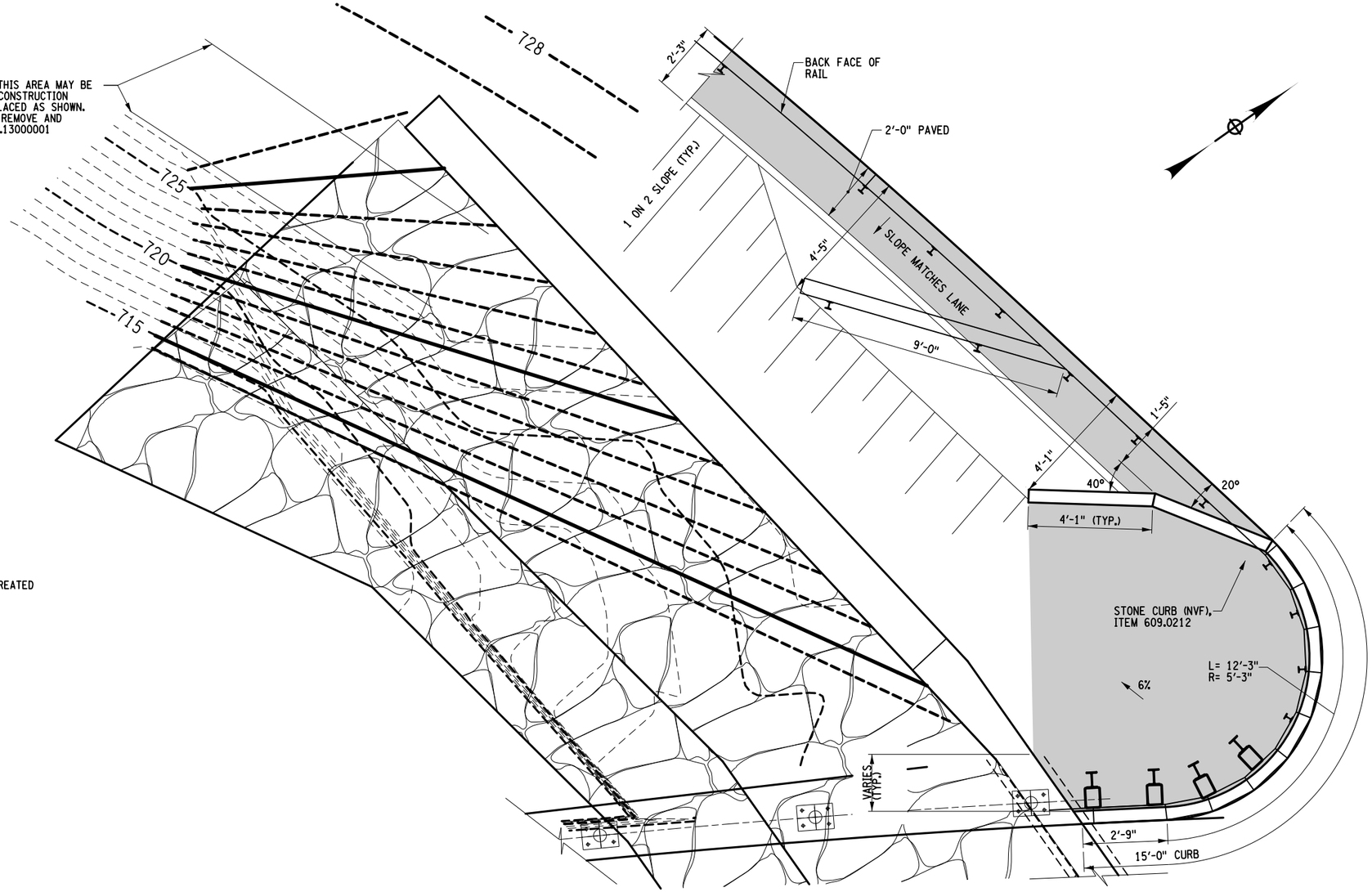
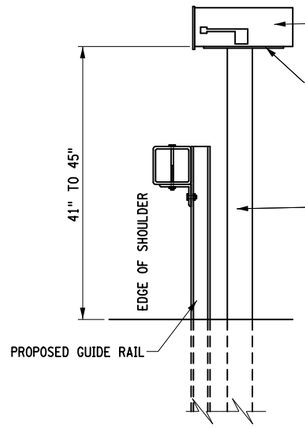
M. PATTERSON DRAFTING P. ZIARKO/M. KRONICKI CHECK G. MEHBE PROJECT MANAGER W. FINCH
R. WOOD CHECK M. PATTERSON
W. FINCH/B. TREMBLAY DESIGN R. WOOD
M. SCHOOLEY JOB MANAGER W. FINCH/B. TREMBLAY
DESIGN SUPERVISOR M. SCHOOLEY



END LEFT DRAINAGE CURBING LAYOUT
NTS



MAILBOX RELOCATION DETAIL
NTS

MAILBOX NOTES:

1. THIS DETAIL MEETS THE STANDARDS OF THE U.S. POSTAL SERVICE AND IS TO BE USED AS A GUIDE FOR THE RELOCATION OF MAILBOXES
2. NO MAILBOX SHALL BE REMOVED AND/OR RELOCATED WITHOUT 5 DAYS WRITTEN NOTICE TO THE OWNING PARTY
3. PAYMENT FOR RELOCATION AND/OR REINSTALLATION OF MAILBOXES SHALL BE MADE UNDER ITEM 619.27 - MAILBOXES.

LEGEND

PAVED AREA, REFER TO TYPICAL SECTIONS FOR DETAILS

ITEM	DESCRIPTION	UNIT
609.0212	STONE CURB, NEAR VERTICAL FACE	LF
619.27	MAILBOXES	EACH

NOTES:

AFFIX SEAL:
ON:

ALTERED BY:
ON:

STATE OF NEW YORK
MATTHEW J SCHOOLEY
No 069983
LICENSED PROFESSIONAL ENGINEER

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

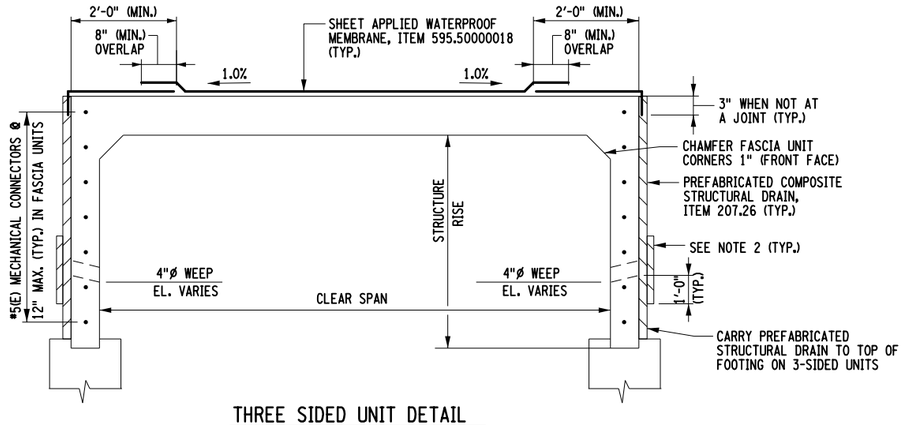
MISCELLANEOUS DETAILS
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

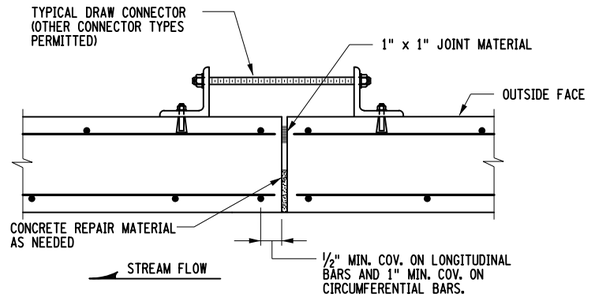
B&L

DRAWING NO. MSD-3
SHEET NO. 23

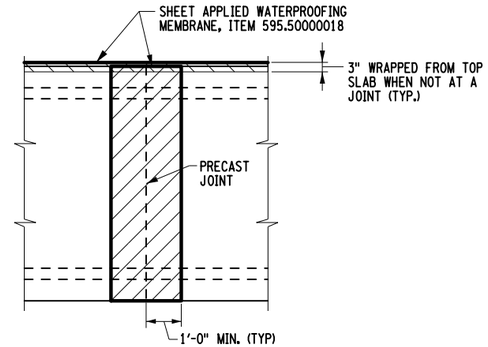
NEW YORK STATE Department of Transportation



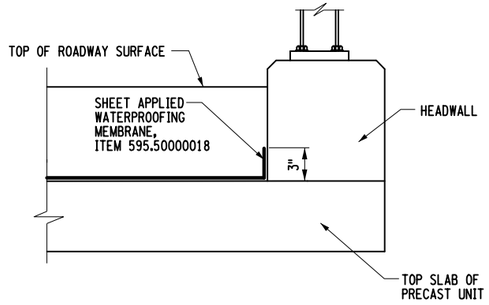
THREE SIDED UNIT DETAIL
NTS



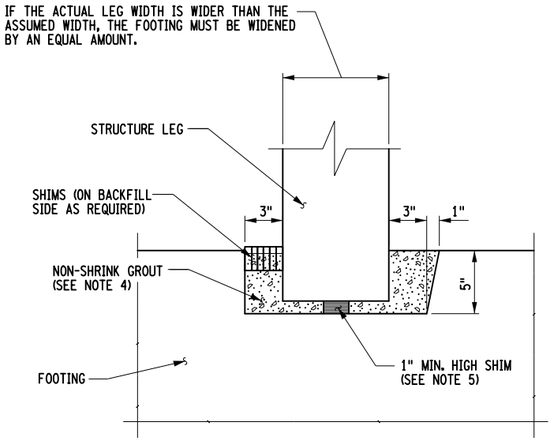
SAMPLE THREE SIDED UNIT JOINT DETAIL
NTS



WATERPROOF MEMBRANE DETAIL AT PRECAST JOINT
NTS



WATERPROOF MEMBRANE AT HEADWALL
NTS



FOOTING / KEYWAY DETAIL
NTS

NOTES:

1. WHEN SPLICES ARE REQUIRED IN THE WATERPROOFING MEMBRANE, LOCATE AS SHOWN.
2. DRAINS WITH AN IMPERMEABLE CORE SHALL HAVE THE IMPERMEABLE PORTION REMOVED AT WEEPHOLE LOCATIONS WITHOUT DAMAGING THE GEOTEXTILE. ALL WEEPHOLE LOCATIONS SHALL BE REINFORCED BY AN ADDITIONAL 2'X2' SECTION OF STRUCTURAL DRAIN PLACED ON THE SOIL SIDE.
3. THE ENTIRE TOP SLAB OF THE PRECAST UNITS SHALL BE COVERED WITH SHEET APPLIED WATERPROOFING MEMBRANE. ON THE LEGS, STRIPS OF WATERPROOFING MEMBRANE SHALL BE PLACED OVER EACH OF THE JOINTS, INCLUDING THE JOINTS BETWEEN THE PRECAST LEGS AND CLOSURE POURS OR WINGWALLS.
4. GROUT SHALL MEET THE REQUIREMENTS OF §701-05 OR §701-06.
5. ADDITIONAL SHIMS ARE ALLOWED AT THE CONTRACTOR'S OPTION. LEG EMBEDMENT INTO FOOTING SHALL BE A MINIMUM OF 3".

AFFIX SEAL: ON:	ALTERED BY: ON:

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466 ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS	CONTRACT NUMBER D265554 DRAWING NO. MSD-4 SHEET NO. 24

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN P. ZIARKO/M. KROWICKI | DRAFTING M. PATTERSON | CHECK R. WOOD | PROJECT MANAGER G. WEHBE | CHECK W. FINCH

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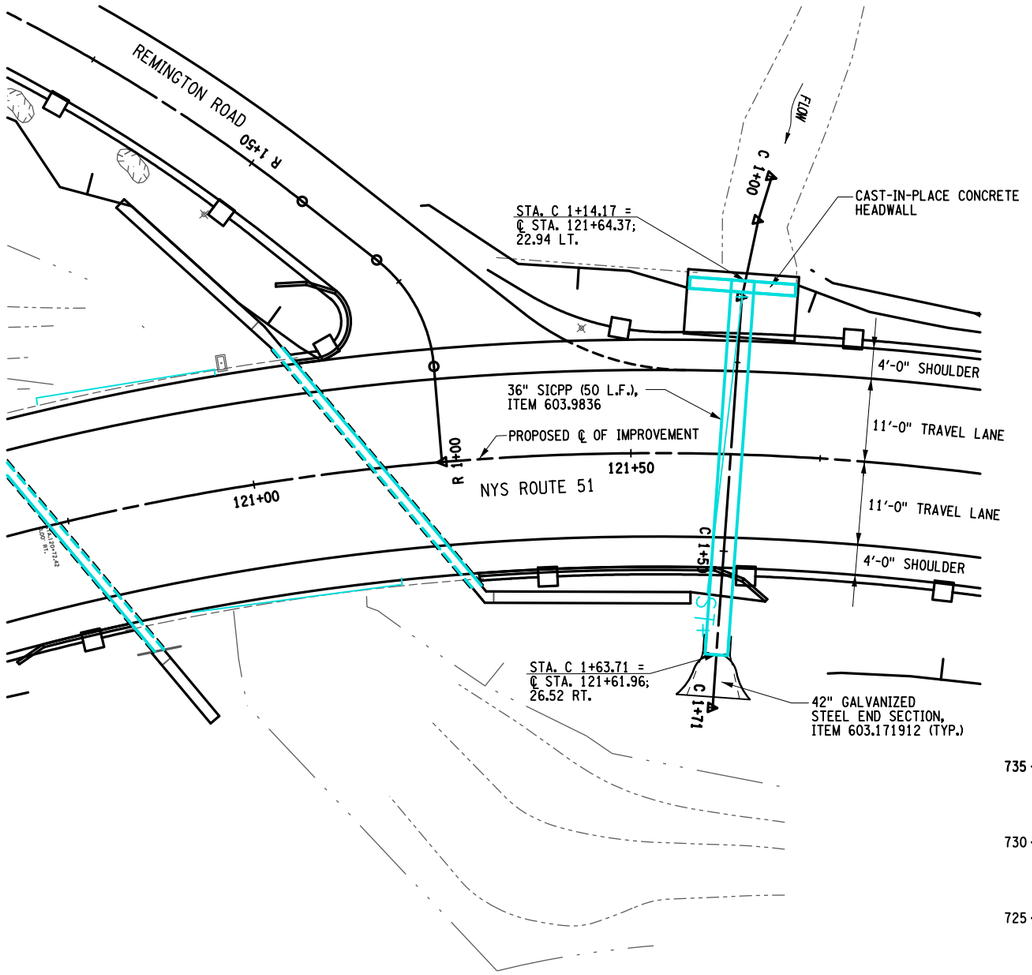
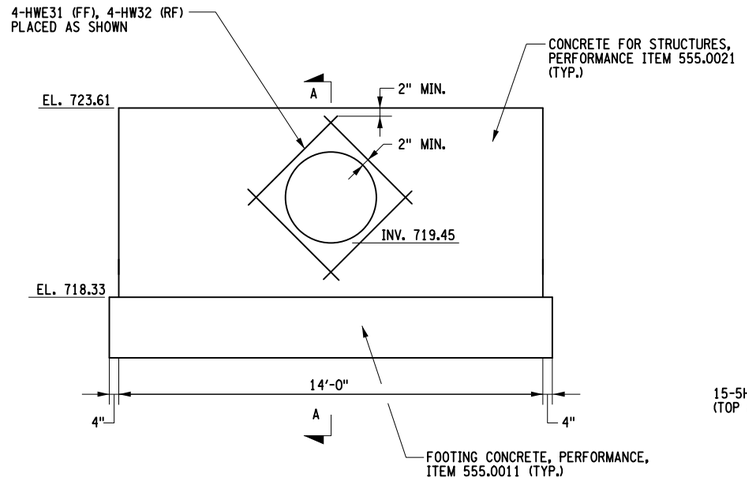
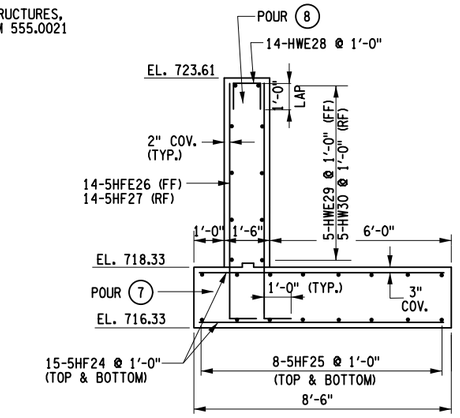


CULVERT PLAN
SCALE: 1" = 20'



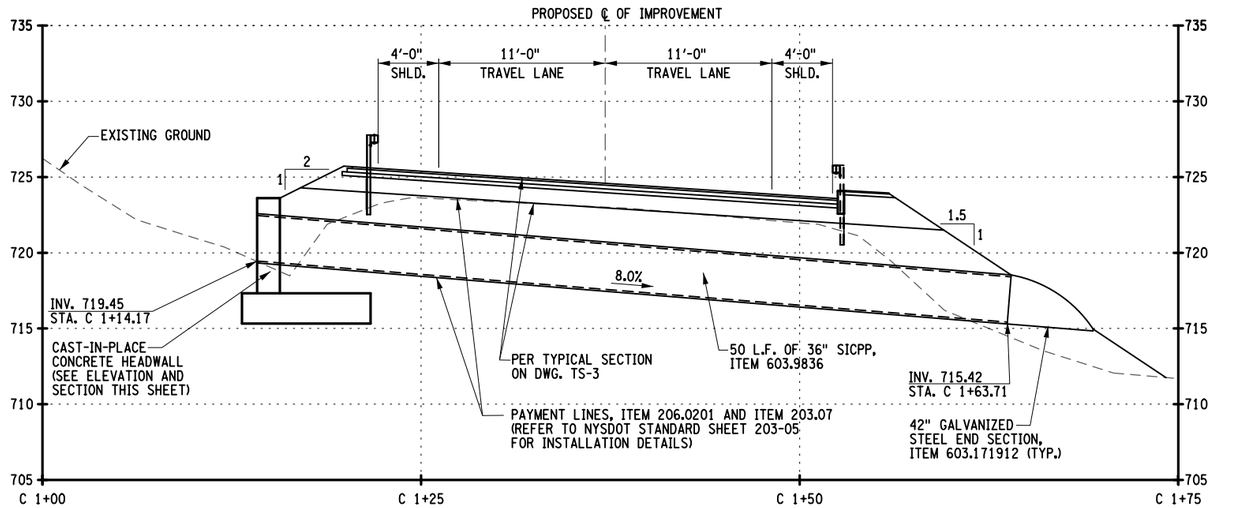
ELEVATION
CAST-IN-PLACE CONCRETE HEADWALL
NOT TO SCALE



SECTION A-A
NOT TO SCALE

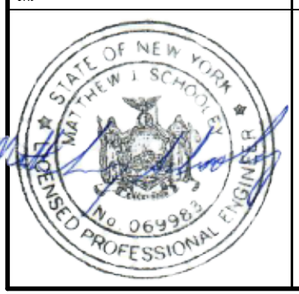
* NOTE:
SEE ST-8 AND ST-10 FOR CONCRETE AND REBAR QUANTITIES.

LEGEND
FF - FRONT FACE
RF - REAR FACE
EF - EACH FACE



36" SICPP PROFILE
NOT TO SCALE

AFFIX SEAL: ON:	ALTERED BY: ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

MISCELLANEOUS DETAILS
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. MSD-5
SHEET NO. 25

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. MEHBE | PROJECT MANAGER W. FINCH

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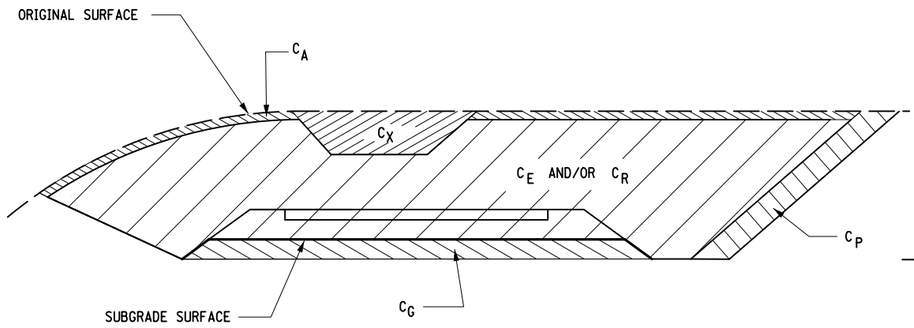
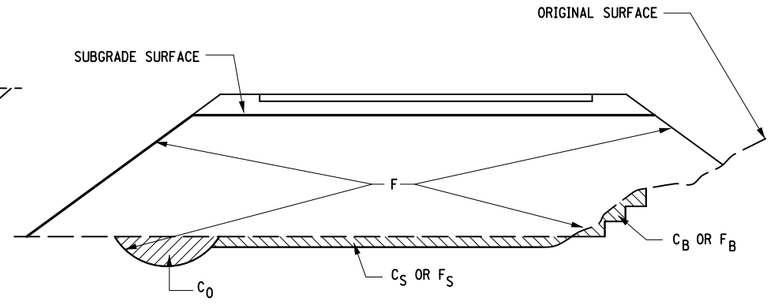
SUMMARY OF EARTHWORK (ITEMS 203.02 AND 203.03 ONLY)					
SOURCE	EXCAVATION			TOTAL EXCAVATION	ITEM 203.03
	T_E	C_R	T_U	C_T	F_T
ROUTE 51	640	0	0	640	3175
TOTALS	640 CY	0 CY	0 CY	640 CY	3175 CY

SUMMARY OF STRUCTURAL EXCAVATION (ITEM 206.01 ONLY)			
SOURCE	EXCAVATION		ITEM 206.01
	ROCK	NON-ROCK	
ROUTE 51	100	4300	4400
TOTALS	100 CY	4300 CY	4400 CY



CUT SECTION



FILL SECTION

DEFINITIONS:

C_B - EXCAVATION FOR REQUIRED BENCHING, (BOTH LONGITUDINAL AND TRANSVERSE).

C_G - EXCAVATION FOR SUBGRADE IMPROVEMENT.

C_P - EXCAVATION FROM CUT SLOPE NECESSARY TO PLACE SLOPE PROTECTION.

C_E - PORTION OF CUT ASSUMED TO BE EARTH SUITABLE FOR EMBANKMENT CONSTRUCTION, EXCLUDING C_G AND C_P.

T_E - ($C_B + C_G + C_P + C_E$) TOTAL EARTH EXCAVATION ASSUMED SUITABLE FOR EMBANKMENT CONSTRUCTION.

C_A - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) IN CUT.

C_S - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) UNDER EMBANKMENT.

C_X - EXCAVATION OF UNSUITABLE MATERIAL IN CUT: SWAMP OR DUMP

C_O - EXCAVATION OF UNSUITABLE MATERIAL BENEATH EMBANKMENT: SWAMP OR DUMP

T_U - ($C_A + C_S + C_X + C_O$) TOTAL EXCAVATION ASSUMED UNSUITABLE FOR EMBANKMENT CONSTRUCTION.

C_R - PORTION OF CUT ASSUMED TO BE ROCK, INCLUDING C_G IF APPLICABLE.

C_T - ($T_E + T_U + C_R$) TOTAL EXCAVATION.

DEFINITIONS:

F_B - FILL REQUIRED TO REPLACE BENCHES.

F_S - FILL REQUIRED TO REPLACE TOPSOIL REMOVED BENEATH EMBANKMENTS.

F - FILL REQUIRED TO COMPLETE EMBANKMENT TO SUBGRADE SURFACE AND SIDE-SLOPES AFTER FOUNDATION IS PREPARED.

F_T - ($F_B + F_S + F$) TOTAL FILL REQUIRED.

T_A - ($T_E \times F_E + C_R \times F_R$) THE VOLUME WHICH THE SUITABLE EXCAVATED MATERIAL COULD OCCUPY IN EMBANKMENT.

F_E - SHRINKAGE FACTOR FOR EARTH

F_R - SWELL FACTOR FOR ROCK

NOTES:

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE TABLES ARE ESTIMATED, AND ARE PROVIDED FOR THE PURPOSE OF PREPARING AN ESTIMATE. THEY ARE NOT TO BE CONSTRUED AS BEING EXACT. THEY ARE INTENDED TO QUANTIFY AND QUALIFY THE NATURE OF THE WORK TO BE PERFORMED. SIGNIFICANT DIFFERENCE FROM THIS REPRESENTATION, WHEN ENCOUNTERED DURING THE ACTUAL WORK, WILL BE HANDLED ACCORDING TO THE SPECIFICATIONS GOVERNING THIS PROJECT.

203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL

203.03 EMBANKMENT IN PLACE

206.0201 TRENCH AND CULVERT EXCAVATION

SUMMARY OF TRENCH AND CULVERT EXCAVATION (ITEM 206.0201 ONLY)			
SOURCE	EXCAVATION		ITEM 206.0201
	ROCK	NON-ROCK	
ROUTE 51	-	350	350
TOTALS	-	350 CY	350 CY

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466 ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

EARTHWORK SUMMARY

CONTRACT NUMBER D265554

DRAWING NO. ESS-1
SHEET NO. 26

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK | PROJECT MANAGER G. WEHBE | CHECK P. ZIARKO/M. KROMICKI | DRAFTING M. PATTERSON | CHECK W. FINCH

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225062 - Region 2 Large Culvert\Contract 4\2LC121_cph_ess.dgn
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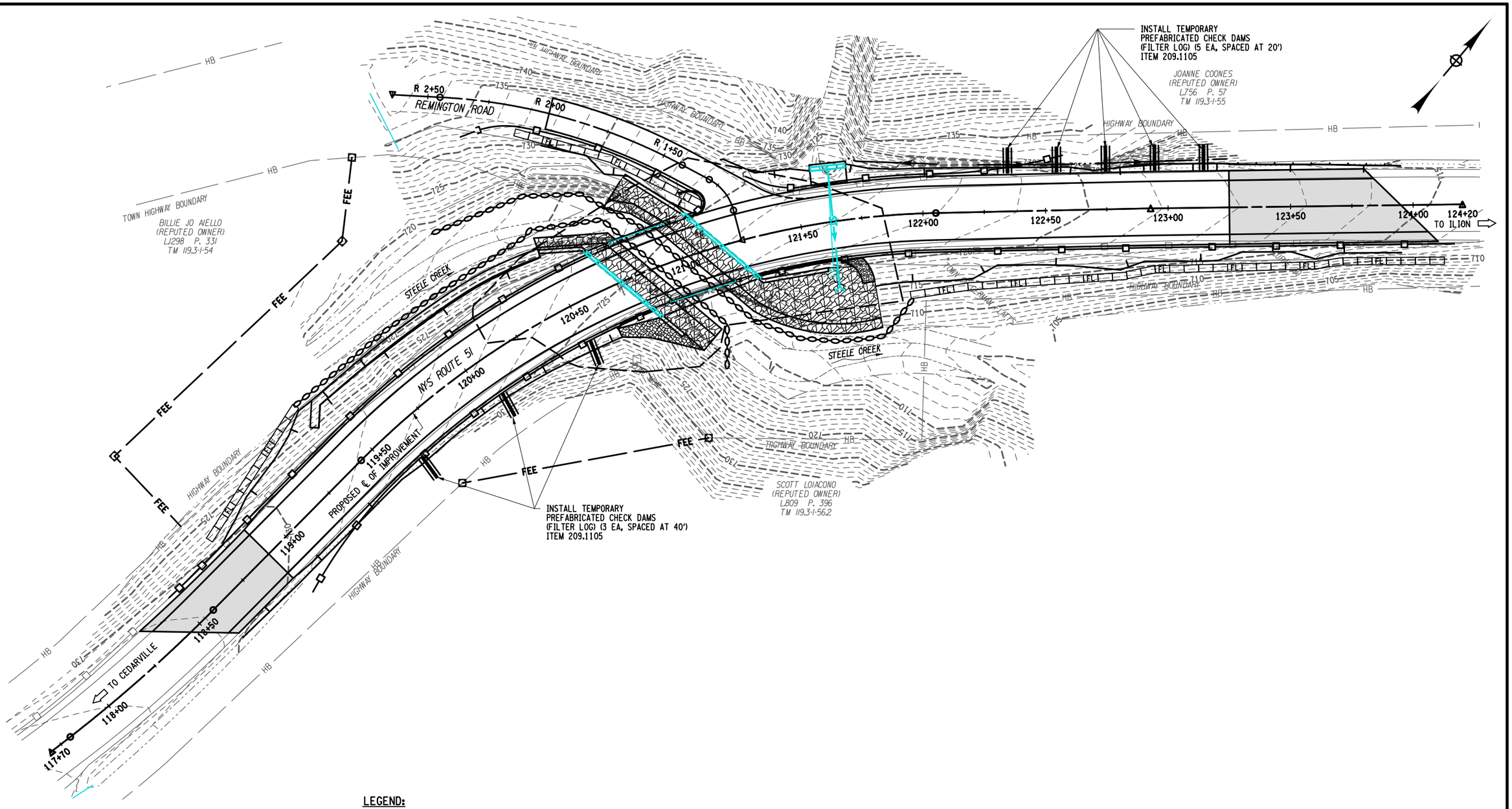

LEGEND:

- BIODEGRADABLE SEDIMENT FILTER LOG, 12 INCHES, ITEM 209.23010009
- COFFERDAM (TYPE 2) ITEM 553.02000X
- LIMITS OF STRUCTURE EXCAVATION, ITEM 206.01
- TEMPORARY PREFABRICATED CHECK DAMS (FILTER LOG), ITEM 209.1105

20′ 0 20′ 40′

AFFIX SEAL: ON:	ALTERED BY: ON:

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED EROSION CONTROL PLAN ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 DRAWING NO. ECP-1 SHEET NO. 27

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. MEHBE | PROJECT MANAGER W. FINCH

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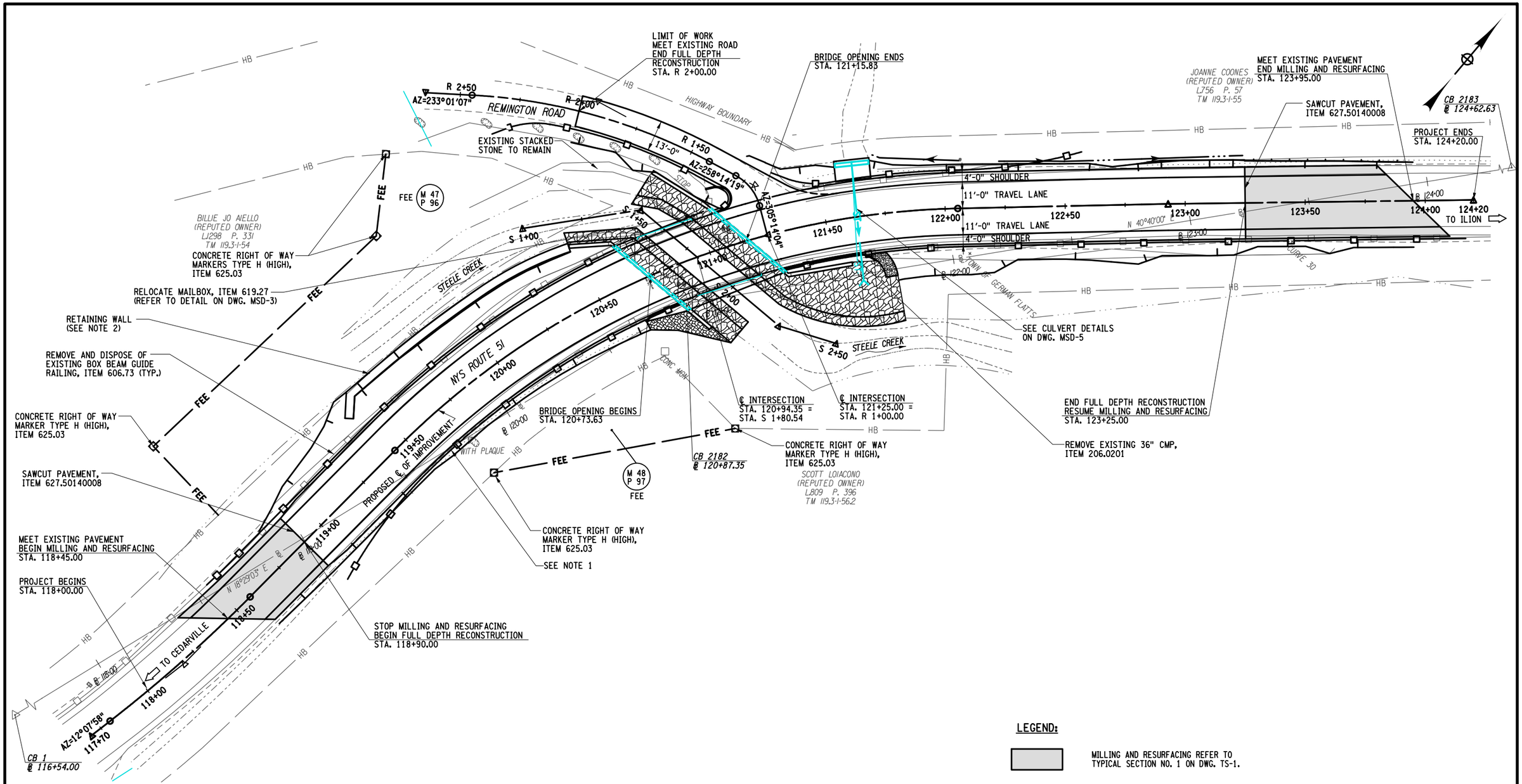

LEGEND:

MILLING AND RESURFACING REFER TO TYPICAL SECTION NO. 1 ON DWG. TS-1.

NOTES:

1. REFER TO DWG. RLG-1 FOR GUIDE RAIL DETAILS AND ITEM NUMBERS.
2. REFER TO DWG. RW-1 FOR DETAILS.

20′ 0 20′ 40′

AFFIX SEAL: ON:	ALTERED BY: ON:

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21
UTILITY QUALITY LEVEL D

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL PLAN
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. PL-1
SHEET NO. 28

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY
JOB MANAGER W. FINCH/B. TREMBLAY
DESIGN
R. WOOD
CHECK M. PATTERSON
DRAFTING P. ZIARKO/M. KRONICKI
CHECK G. MEHBE
PROJECT MANAGER W. FINCH

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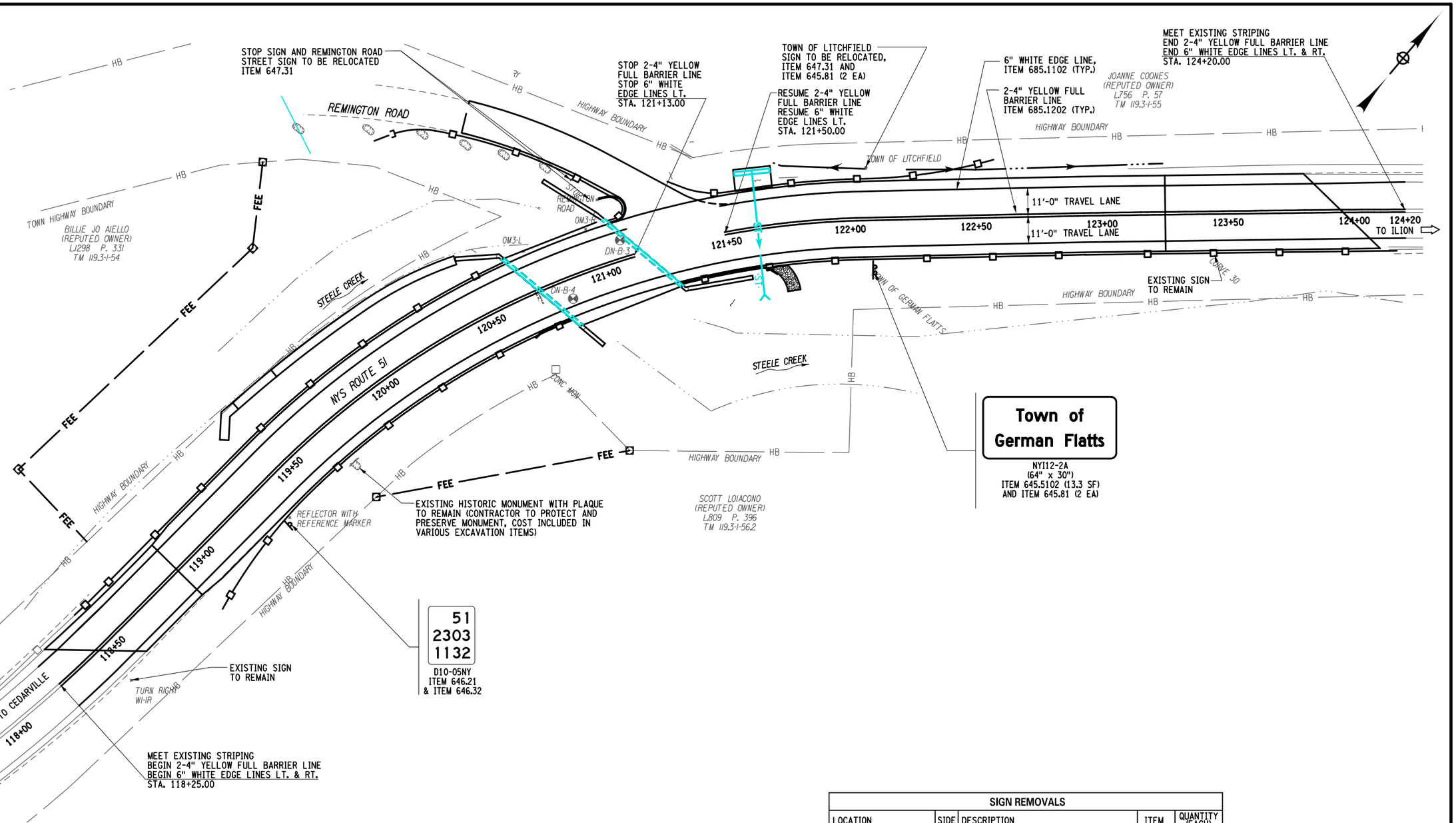

Town of German Flatts
NYI12-2A
(64" x 30")
ITEM 645.5102 (13.3 SF)
AND ITEM 645.81 (2 EA)

51
2303
1132
D10-05NY
ITEM 646.21
& ITEM 646.32

SIGN REMOVALS				
LOCATION	SIDE	DESCRIPTION	ITEM	QUANTITY (EACH)
STA 119+36	RT	REFLECTOR WITH REFERENCE MARKER	647.61	1
STA 120+73	LT	OBJECT MARKER - OM3-L	647.61	1
STA 120+98	LT	OBJECT MARKER - OM3-R	647.61	1
STA 121+44	LT	SNOWPLOW MARKER	647.61	1
STA 122+03	LT	SNOWPLOW MARKER	647.61	1
STA 122+06	RT	JURISDICTION SIGN - NYI12-2a	647.61	1
STA 123+25	RT	SNOWPLOW MARKER	647.61	1

20' 0 20' 40'

AFFIX SEAL:
ON:

ALTERED BY:
ON:

STATE OF NEW YORK
MATTHEW J. SCHOOLEY
No. 069983
LICENSED PROFESSIONAL ENGINEER

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21
BRIDGES 1081000
CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

PAVEMENT MARKINGS AND SIGNING PLAN
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554
B&L
DRAWING NO. PM-1
SHEET NO. 29

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. MEHBE | PROJECT MANAGER W. FINCH

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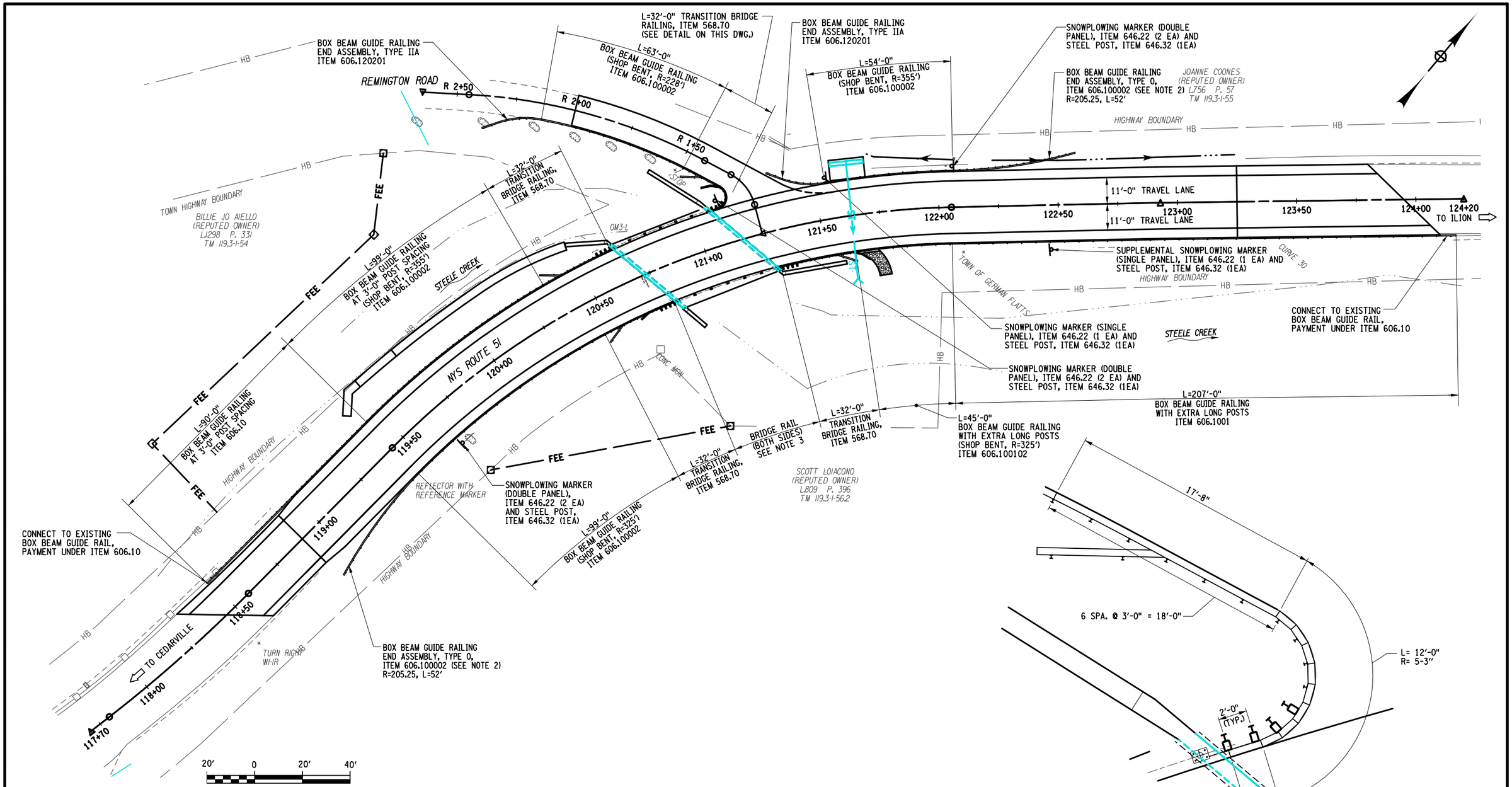

RAILING DETAIL
NOT TO SCALE

NOTES:

1. REFER TO NYSDOT STANDARD SHEET 646-15 FOR SNOWPLOW MARKER INSTALLATION DETAILS.
2. REFER TO NYSDOT STANDARD SHEET 606-04 FOR END ASSEMBLY DETAILS.
3. REFER TO DWGS. ST-13 & RL-1 TO RL-4 FOR BRIDGE RAILING DETAILS.

AFFIX SEAL:
ON:

ALTERED BY:
ON:

STATE OF NEW YORK MATTHEW J. SCHOOLEY LICENSED PROFESSIONAL ENGINEER No. 069983

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GUIDE RAIL PLAN
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. RLG-1

SHEET NO. 30

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY
JOB MANAGER W. FINCH/B. TREMBLAY
DESIGN R. WOOD
CHECK M. PATTERSON
DRAFTING P. ZIARKO/M. KRONICKI
PROJECT MANAGER G. MEHBE
W. FINCH

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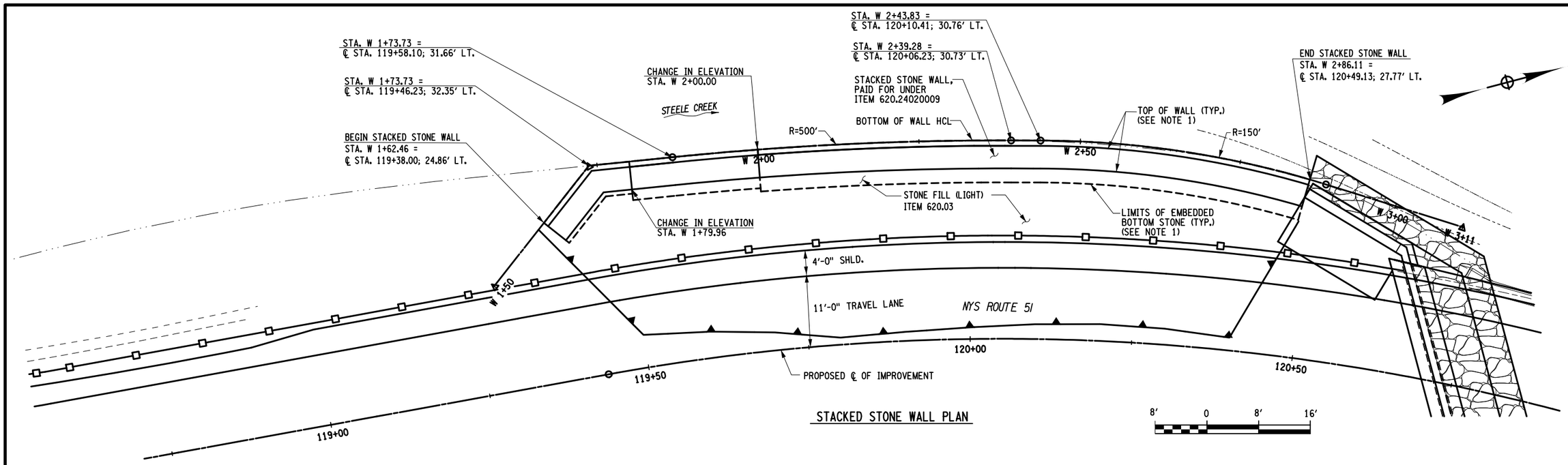
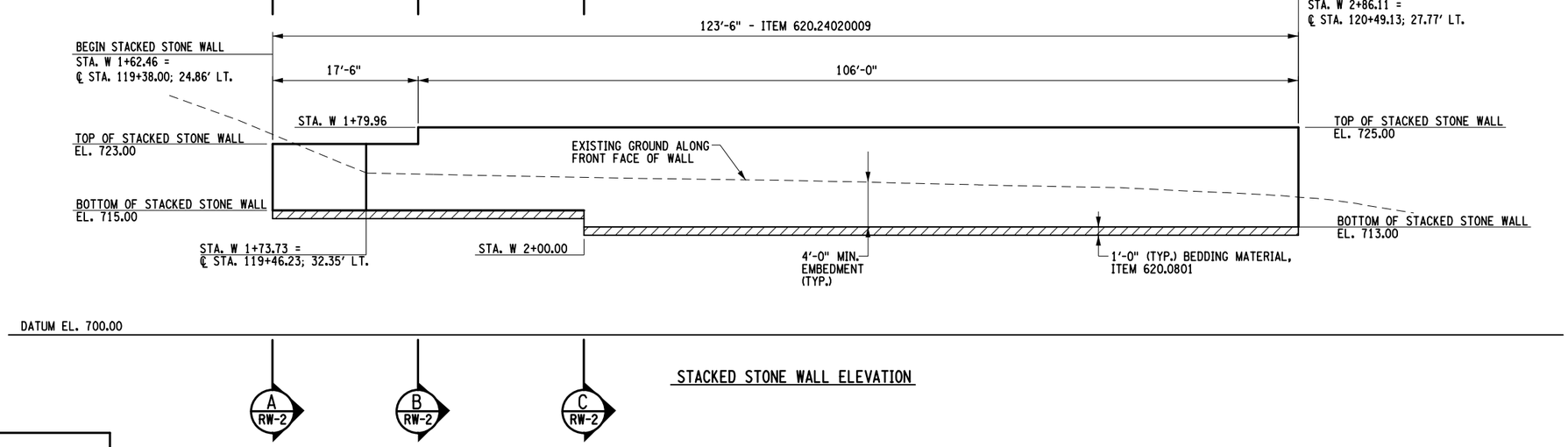


STACKED STONE WALL PLAN



STACKED STONE WALL ELEVATION

NOTE:
1. REFER TO DWG. RW-2 FOR DETAILED SECTIONS.

AFFIX SEAL: ON: STATE OF NEW YORK · MATTHEW J. SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER	ALTERED BY: ON:					
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED STACKED STONE WALL PLAN AND ELEVATION ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 B&L DRAWING NO. RW-1 SHEET NO. 31

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

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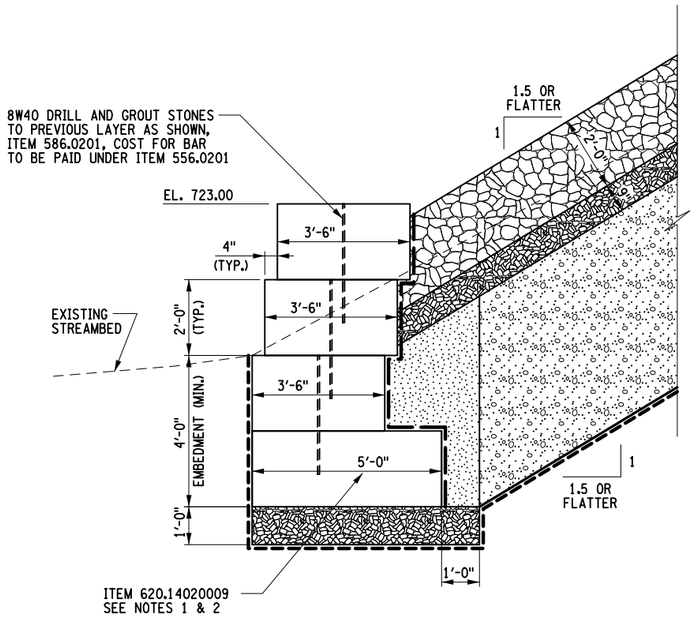
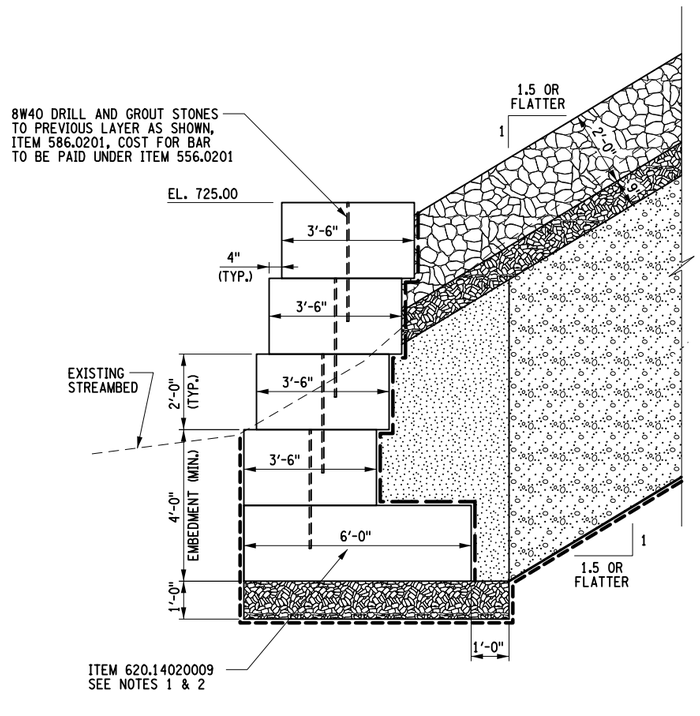
LEGEND

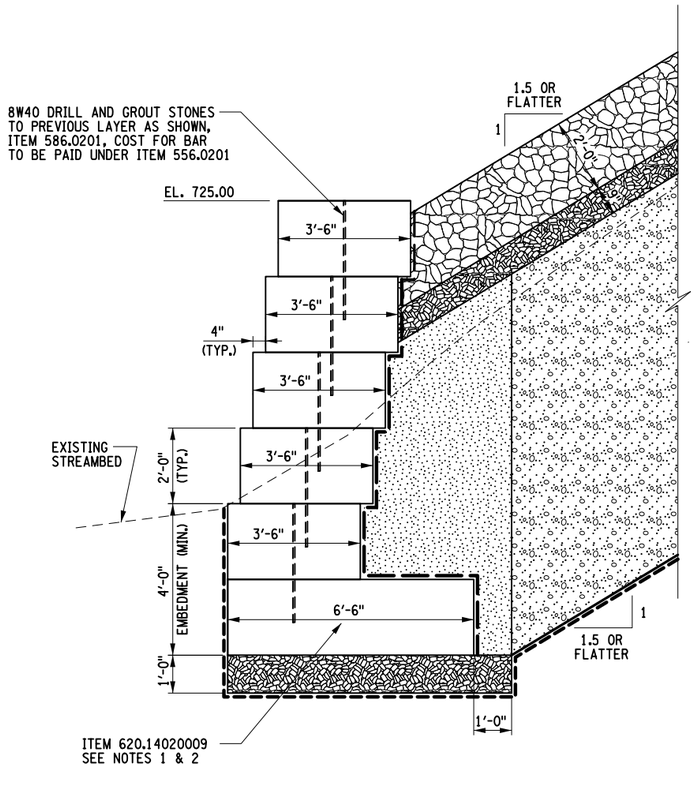
- EMBANKMENT IN PLACE - ITEM 203.03
- SELECT GRANULAR FILL - ITEM 203.07
- STONE FILL (LIGHT) - ITEM 620.03
- BEDDING MATERIAL - ITEM 620.0801
- LIMITS OF STRUCTURE EXCAVATION - ITEM 206.01
- GEOTEXTILE SEPARATION - ITEM 207.21



SECTION A RW-1 SCALE: 1/4" = 1'-0"



SECTION B RW-1 SCALE: 1/4" = 1'-0"



SECTION C RW-1 SCALE: 1/4" = 1'-0"

NOTES:
1. THE STONES USED FOR THE RETAINING WALL SHALL MEET THE MINIIMUM SPECIFICATIONS PER ITEM 620.14020009, IN ADDITION TO THE MINIMUM DIMENSIONS 2' HEIGHT X WIDTH SHOWN ON THIS SHEET.
2. IF BEDROCK IS ENCOUNTERED, THE BOTTOM LAYER STONE SHALL BE PINNED TO BEDROCK. AT NO ADDITIONAL COST TO THE STATE.

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J. SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED STACKED STONE WALL SECTIONS ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 DRAWING NO. RW-2 SHEET NO. 32	B&L

NEW YORK STATE Department of Transportation

INDEX

PRECAST CONCRETE 3-SIDED UNIT NOTES:

THE CONTRACTOR SHALL PROVIDE LOAD RATINGS IN BOTH THE LOAD FACTOR RATING (LFR) METHOD AND THE LOAD AND RESISTANCE FACTOR RATING (LRFR) METHOD. DESIGN LOADING SHALL BE HL-93, LOAD AND RESISTANCE FACTOR DESIGN STANDARDS WITH A MINIMUM LRFR INVENTORY RATING OF 1.2.

ACTUAL WALL AND TOP SLAB THICKNESS, REINFORCEMENT SIZE AND SPACING TO BE DETERMINED BY FABRICATOR'S ENGINEER. IF THE ACTUAL TOP SLAB THICKNESS IS DIFFERENT THAN THE 1'-11" ASSUMED, THEN THE LOW BEAM SHALL BE HELD.

THE LENGTH OF EACH STRUCTURE SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR.

FOR MECHANICAL CONNECTORS IN TOP SLAB, SEE DWG. ST-13.

THE 3-SIDED UNITS AT THE FASCIAS SHALL HAVE #5 THREADED INSERTS @ 1'-0" MAX. SPACING TO RECEIVE MECHANICAL CONNECTORS CENTERED FOR CLOSURE POUR REINFORCEMENT. A KEYWAY SHALL BE CONSTRUCTED OVER THE MIDDLE 2/3 HEIGHT OF THE LEG OF THE FASCIA UNITS. COST INCLUDED IN ITEM 562.0102.

SEE DWG. ST-13 FOR RAILING LAYOUT.

ALL EXPOSED EDGES SHALL HAVE A CHAMFER OF 1".

THE ENTIRE TOP SLAB OF THE 3-SIDED UNIT SHALL BE COVERED WITH SHEET APPLIED WATERPROOFING MEMBRANE. ON THE LEGS STRIPS OF WATERPROOFING MEMBRANE SHALL BE PLACED OVER EACH OF THE JOINTS, INCLUDING THE JOINTS OF THE CLOSURE POURS.

THE FABRICATOR SHALL PROVIDE A POSITIVE CONNECTION BETWEEN THE SEGMENT WITH AN ATTACHED HEADWALL AND ITS ADJACENT SEGMENT. CONNECTION DESIGN SHALL BE BASED ON THE TL RAIL LOAD SHOWN ON THE PLANS AND PRODUCE LONGEVITY CONSISTENT WITH THE PROJECT.

IF THE SPAN-TO-RISE RATIO IS GREATER THAN 4 TO 1, THE FABRICATOR SHALL ANALYZE THE FRAME FOR MID-SPAN POSITIVE MOMENT USING BOTH PIN-PIN AND PIN-ROLLER SUPPORT CONDITIONS.

PRECAST 3-SIDED UNIT REINFORCEMENT COVER REQUIREMENTS:
- TOP OF PRECAST 3-SIDED UNIT 2"
- EXPOSED FACES OF PRECAST 3-SIDED UNIT 1½"
- ALL OTHER FACES OF PRECAST 3-SIDED UNIT 2"

GENERAL NOTES:

RECORD PLANS FOR THIS STRUCTURE ARE NOT AVAILABLE.

HYDRAULIC NOTES:

THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE COFFERDAM ITEM(S).

ORDINARY HIGH- WATER IS ESTIMATED TO BE 716.0. ORDINARY HIGH-WATER IS DEFINED AS THE WATER SURFACE ELEVATION FOR THE MEAN ANNUAL FLOOD, WHICH IS THE FLOOD THAT HAS A RECURRENCE INTERVAL OF 2 YEARS.

ORDINARY WATER IS ESTIMATED TO BE 714.0. ORDINARY WATER IS DEFINED AS THE HIGHEST SURFACE WATER ELEVATION LIKELY TO BE ENCOUNTERED DURING ONE CONSTRUCTION SEASON (EXCLUDING MAJOR FLOODS). IT IS ALWAYS LESS THAN THE ORDINARY HIGH-WATER ELEVATION AND IT IS USUALLY AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

LOW WATER IS ESTIMATED TO BE 713.5. LOW WATER IS DEFINED AS THE NORMAL LOW WATER ELEVATION PREVALENT DURING ONE CONSTRUCTION SEASON FOR MORE THAN 25% OF THE TIME. IT IS AN OBSERVED ELEVATION RATHER THAN A COMPUTED ONE.

THE 2-YEAR STORM EVENT HAS A FLOW OF 163 CFS.

FOUNDATION NOTES:

KEY ALL FOOTINGS 2'-0" INTO COMPETENT ROCK FOR SCOUR.

AT EACH OF THE SUBSTRUCTURES SUPPORTED ON ROCK, AN ENGINEERING GEOLOGIST FROM THE GEOTECHNICAL ENGINEERING BUREAU WILL BE REQUIRED TO INSPECT THE ROCK TO DETERMINE IF IT IS COMPETENT TO SUPPORT THE SERVICE LIMIT STATE BEARING PRESSURES SHOWN ON THE CONTRACT PLANS.

SUBSTRUCTURE	STRENGTH LIMIT STATE BEARING PRESSURE (KIPS/FT²)	SERVICE LIMIT STATE BEARING PRESSURE (KIPS/FT²)
WINGWALLS 1 & 2	14.81	7.49
WINGWALLS 3 & 4	10.17	5.56
STEM WALL FOOTINGS	22.68	15.71

ADHERE TO THE FOLLOWING PROCEDURES IF THE ROCK SURFACE AT A SUBSTRUCTURE IS NOT FOUND AT THE ELEVATION SHOWN ON THE CONTRACT PLANS:

A. ROCK SURFACE WITHIN 2 FEET OF THE PROPOSED BOTTOM-OF-FOOTING ELEVATION
   - IF THE ROCK SURFACE IS HIGHER, REMOVE THE ROCK SO THAT THE MINIMUM FOOTING THICKNESS CAN BE PLACED.
   - IF THE ROCK SURFACE IS LOWER, PLACE ADDITIONAL FOOTING CONCRETE SO THAT THE TOP-OF-FOOTING ELEVATION CAN BE ACHIEVED.

B. ROCK SURFACE MORE THAN 2 FEET FROM THE PROPOSED BOTTOM-OF-FOOTING ELEVATION
   - THE ENGINEER WILL NOTIFY THE DCES OF THIS CONDITION. THE DCES WILL DETERMINE IF: THE FOUNDATION FOR THE SUBSTRUCTURE HAS TO BE REDESIGNED, ADDITIONAL FOOTING CONCRETE HAS TO BE PLACED, OR ADDITIONAL ROCK HAS TO BE EXCAVATED.

UNLESS OTHERWISE SHOWN ON THE CONTRACT PLANS, REMOVE EXISTING SUBSTRUCTURES AS FOLLOWS:

1. COMPLETELY REMOVE THE PORTION OF THE EXISTING SUBSTRUCTURE WITHIN A LATERAL LIMIT OF 3 FEET OF THE NEW SUBSTRUCTURE.
2. REMOVE THE PORTION OF THE EXISTING SUBSTRUCTURE THAT IS OUTSIDE OF THIS LATERAL LIMIT AS FOLLOWS:
   A. EXISTING SUBSTRUCTURE LOCATED UNDER ROADWAY - REMOVE TO 2.0 FEET BELOW SUBGRADE SURFACE.
   B. EXISTING SUBSTRUCTURE LOCATED UNDER APPROACH EMBANKMENT END SLOPE - REMOVE TO ELEVATION WHERE IT INTERSECTS THE BOTTOM OF THE STONE FILLING.
   C. EXISTING SUBSTRUCTURE AT ALL OTHER LOCATIONS - REMOVE TO 1.0 FOOT BELOW FINISHED GRADE.

AFFIX SEAL:
ON:

STATE OF NEW YORK
MATTHEW J. SCHOOLEY
No. 069983
LICENSED PROFESSIONAL ENGINEER

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466 ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

NOTES & INDEX

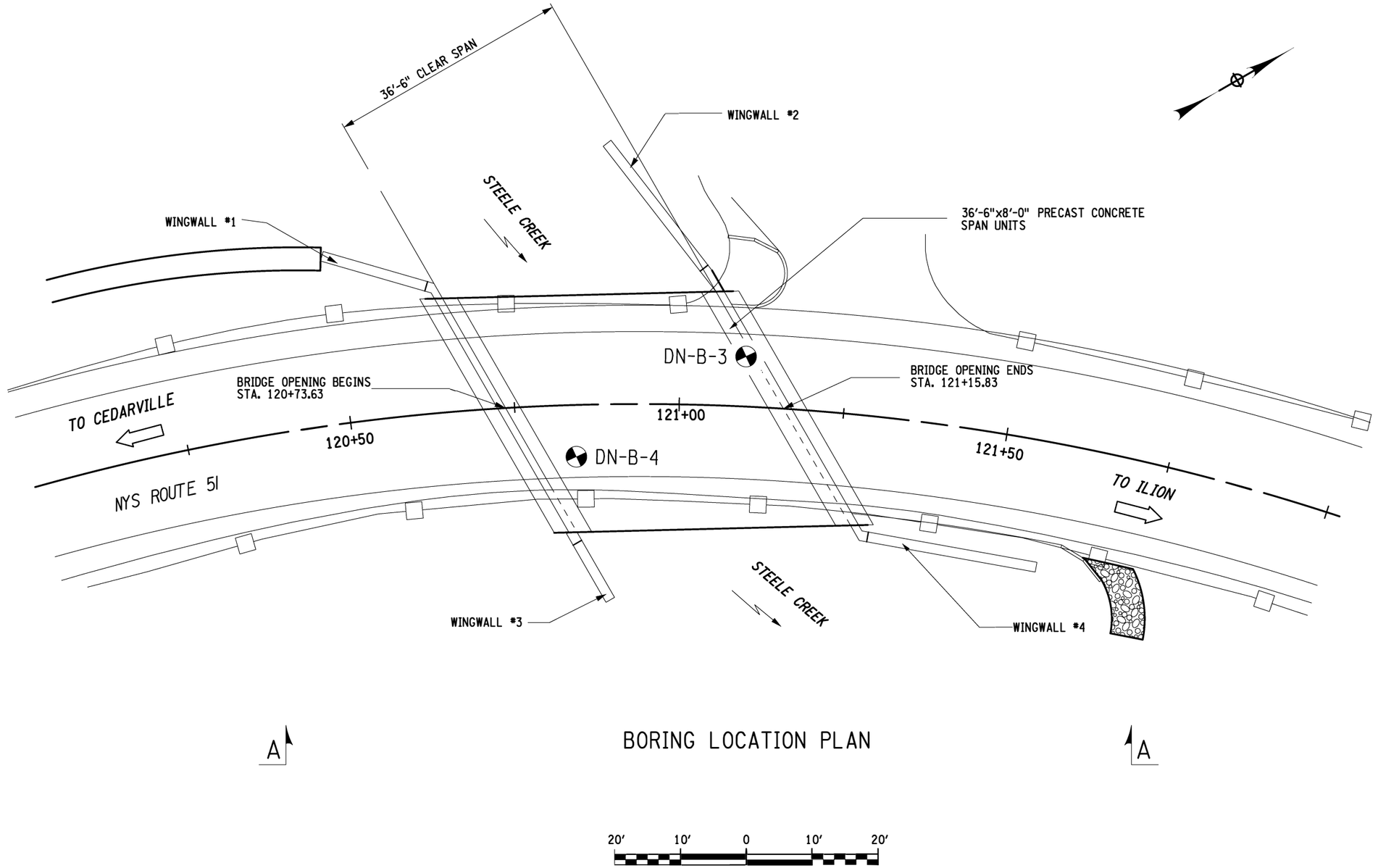
CONTRACT NUMBER D265554

B&L

DRAWING NO. ST-1

SHEET NO. 33

NEW YORK STATE Department of Transportation



BORING LOCATION PLAN

GENERAL NOTES

1.) SOUND ENGINEERING JUDGMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HERE ON. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR STATE DESIGN AND ESTIMATE PURPOSES ONLY. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE STATE. THIS IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT OF THE CONTRACTOR.

2.) GENERAL SOIL AND ROCK (WHERE ENCOUNTERED) STRATUM DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON AN ENGINEERING INTERPRETATION OF ALL AVAILABLE SUBSURFACE INFORMATION BY THE GEOTECHNICAL ENGINEERING BUREAU AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATIONS OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE SUBSURFACE EXPLORATION LOGS.

3.) THE OBSERVED WATER LEVELS AND/OR CONDITIONS INDICATED ON THE SUBSURFACE PROFILES ARE AS RECORDED AT THE TIME OF EXPLORATION. ACTUAL WATER LEVELS MAY DIFFER FROM THE OBSERVED WATER LEVEL BECAUSE OF LIMITATIONS IN THE NUMBER AND DURATION OF OBSERVATIONS AND WILL VARY WITH CHANGES IN CLIMATE AND RAINFALL.

4.) ALL STRUCTURE DETAILS AND FOOTING ELEVATIONS SHOWN HEREON ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ON THE CONTRACT PLANS.

LEGEND

THE FOLLOWING TABLES SUMMARIZE THE DESCRIPTIVE INFORMATION USED ON THIS PROFILE.

DENSITY (NON-PLASTIC SOILS)	NO. OF BLOWS PER FOOT OF PENETRATION OF A 2 INCH O.D. (1-3/8 INCH I.D.) SAMPLER USING A 140 LB. HAMMER, 30 INCH FALL.
Very Loose	0-4
Loose	5-10
Medium Compact	11-24
Compact	25-50
Very Compact	over 50

CONSISTENCY (PLASTIC SOILS)	
Very Soft	0-1
Soft	2-4
Medium Stiff	5-8
Stiff	9-15
Very Stiff	16-30
Hard	over 30

SYMBOLS

DRILL HOLE — DN-B

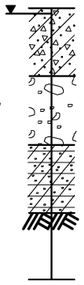
OBSERVED WATER LEVEL

ASPHALT

Compact to Very Compact Brown Gravelly SAND, Clayey to Sandy GRAVEL

Hard Gray Gravelly CLAY, Sandy

ROCK



E. HOLMBERG
DIRECTOR
GEOTECHNICAL ENGINEERING BUREAU

AFFIX SEAL: Hala Bashir
ON: 07/17/2025

ALTERED BY:
ON:

STATE OF NEW YORK · HALA M BASHIR · LICENSED PROFESSIONAL ENGINEER · 083830

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT	
ROUTE 51 OVER STEELE CREEK	
SH 5466: ILION-CEDARVILLE	
TOWN OF LITCHFIELD	
COUNTY: HERKIMER	REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS 230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BORING LOCATION PLAN

NYS ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

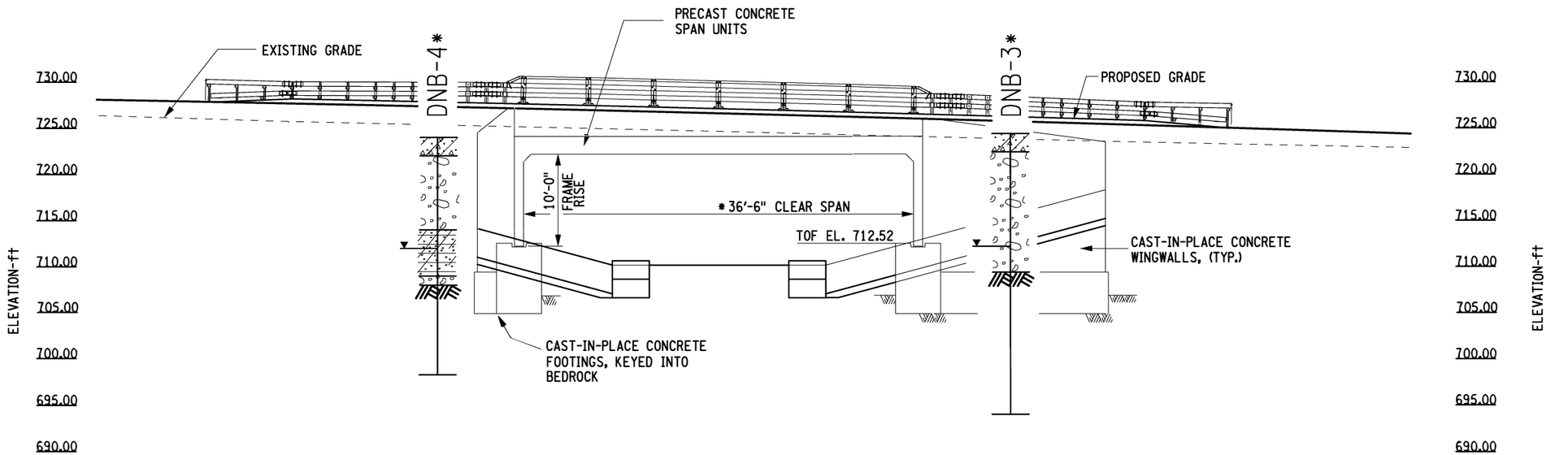
DRAWING NO. ST-2

SHEET NO. 34

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING N.E.G.
CHECK
DESIGN N.E.G.
JOB MANAGER H.M.B.
DESIGN SUPERVISOR J.J.D.

FILE NAME = BORING LOCATION PLAN
DATE/TIME = 17-JUN-2025 12:33
USER = ngross



GENERAL SUBSURFACE PROFILE

ELEVATION A-A

10′ 0 10′ 20′

✳ BORING OFFSET FOR PLOTTING

GENERAL NOTES

1.) SOUND ENGINEERING JUDGMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HERE ON. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR STATE DESIGN AND ESTIMATE PURPOSES ONLY. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE STATE. THIS IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT OF THE CONTRACTOR.

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LEGEND

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Soft	2-4
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Very Stiff	16-30
Hard	over 30

SYMBOLS

DRILL HOLE DN-B

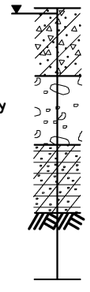
OBSERVED WATER LEVEL

ASPHALT

Compact to Very Compact Brown Gravelly SAND, Clayey to Sandy GRAVEL

Hard Gray Gravelly CLAY, Sandy

ROCK



E. HOLMBERG
DIRECTOR
GEOTECHNICAL ENGINEERING BUREAU

AFFIX SEAL: Hala Bashir
ON: 06/17/2025

ALTERED BY:
ON:

STATE OF NEW YORK · HALA M BASHIR · LICENSED PROFESSIONAL ENGINEER · 083830

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION-CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS 230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

GENERAL SUBSURFACE PROFILE

NYS ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

DRAWING NO. ST-3

SHEET NO. 35

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

PROJECT MANAGER
CHECK
DRAFTING N.E.G.
DESIGN N.E.G.
JOB MANAGER H.M.B.
DESIGN SUPERVISOR J.J.D.
CHECK

FILE NAME =
DATE/TIME = 17-JUN-2025 12:20
USER = ngross

SIMPLE CURVE DATA	
PC OR PT STATION	PC STA. 119+43.70 PT STA. 122+05.28
RADIUS	340
LENGTH OF CURVE, LC	261.58

LOAD RATING (LFD)		
INVENTORY	HS	TONS
OPERATING	HS	TONS
LRFR RATING FACTORS		
INVENTORY	HL-93	LRFR 1.2 OR GREATER
OPERATING	HL-93	

THE LOAD RATING TABLE SHALL BE FILLED IN BY THE EIC FROM INFORMATION RECEIVED FROM THE CONTRACTOR AFTER REVIEW AND APPROVAL BY THE DCES. THE SUBMITTED LOAD RATING INFORMATION SHALL BE IN ACCORDANCE WITH THE AASHTO "MANUAL FOR BRIDGE EVALUATION" WITH ALL INTERIM PROVISIONS IN EFFECT. THE CONTRACTOR SHALL PROVIDE LOAD RATINGS IN BOTH THE LOAD FACTOR RATING (LFD) METHOD AND THE LOAD AND RESISTANCE FACTOR RATING (LRFR) METHOD. THE CONTRACTOR SHALL ALSO PROVIDE ALL LOAD RATING COMPUTATIONS TO THE REGIONAL STRUCTURES ENGINEER.

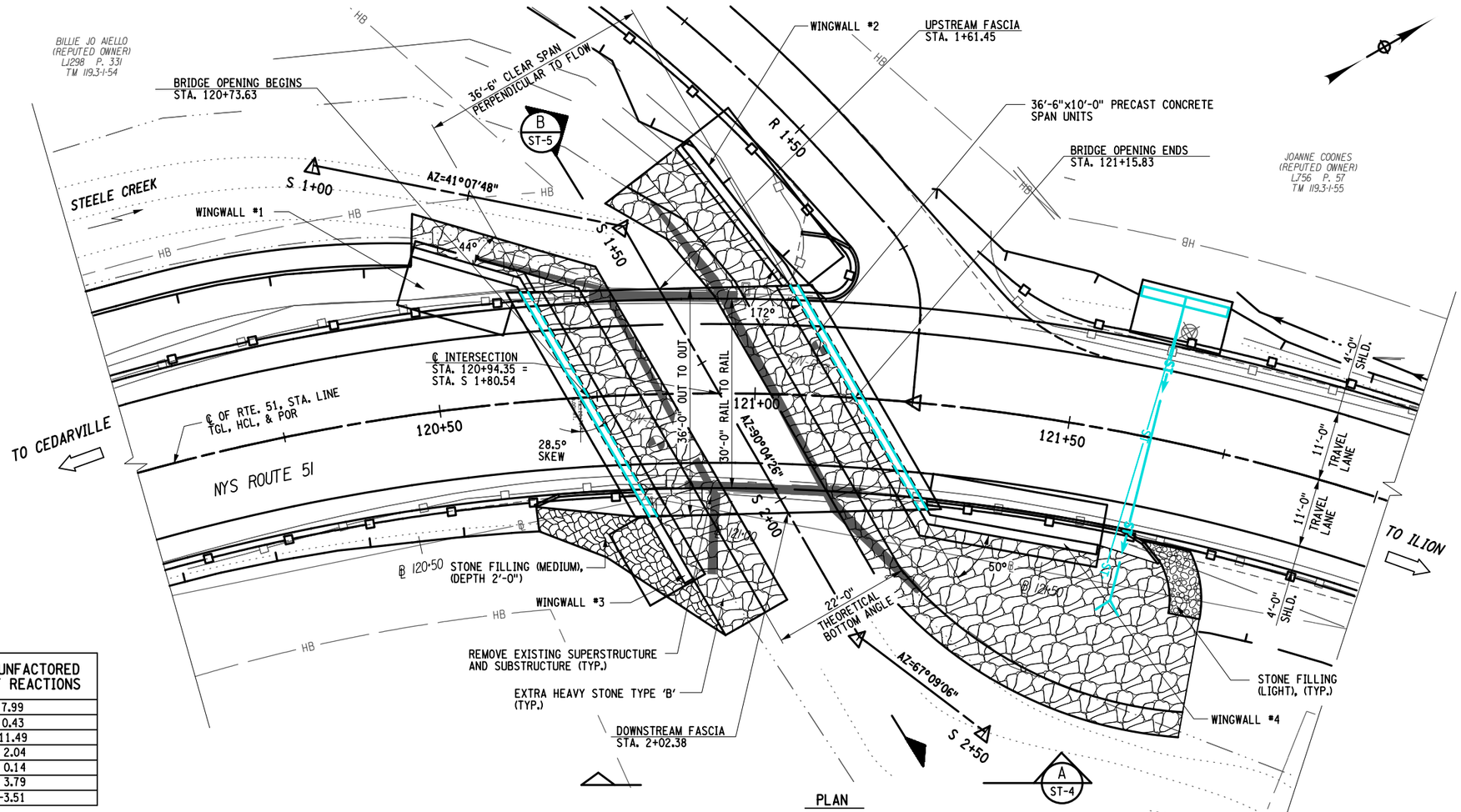
THREE SIDED UNIT STRUCTURE DESIGN DATA	
CLEAR SPAN, FT.	36'-6"
CLEAR RISE, FT.	11'-2"
FRAME RISE, FT.	10'-0"
* MAX. FILL HEIGHT, FT.	3'-7"
* MIN. FILL HEIGHT, FT.	0'-4"
FASCIA SKEW ANGLE, DEG.	28.5°
LIVE LOAD	HL93 W/LRFR INV. FACTOR ≥ 1.2
** RAILING/ BARRIER TEST LOAD	TL-4

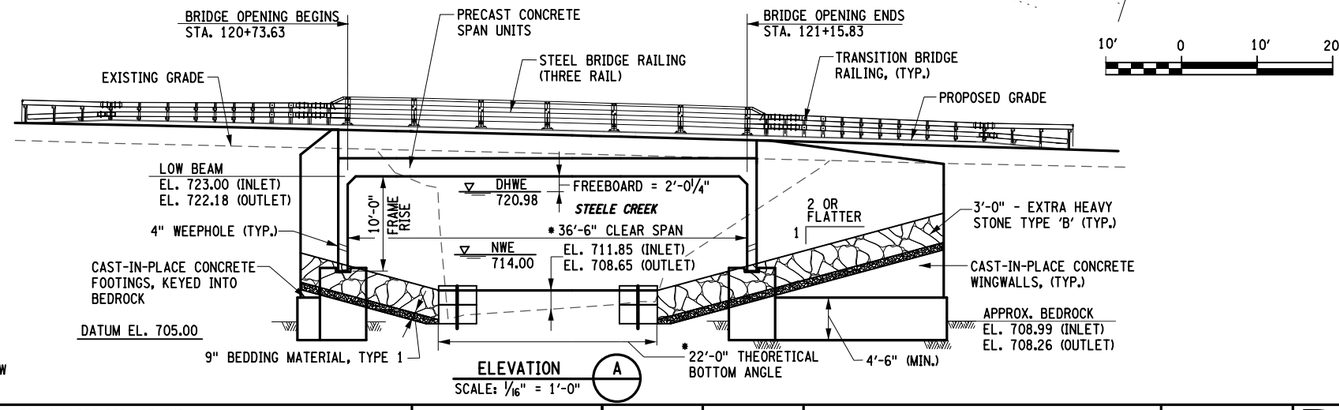
* BASED ON ASSUMED TOP SLAB THICKNESS OF 1'-11". FABRICATOR SHALL ADJUST BASED ON ACTUAL TOP SLAB THICKNESS. MEASURED FROM THE TOP OF THE TOP SLAB TO THE TOP OF THE PAVEMENT.

** THE FABRICATOR SHALL PROVIDE A POSITIVE CONNECTION BETWEEN THE SEGMENT WITH AN ATTACHED HEADWALL AND ITS ADJACENT SEGMENT.

ASSUMED UNFACTORED SPAN UNIT REACTIONS		
VERTICAL kip/ft.	DC	7.99
	DW	0.43
	LL	11.49
HORIZONTAL kip/ft.	DC	2.04
	DW	0.14
	LL	3.79
	EH	-3.51

HYDRAULIC DATA			
DRAINAGE AREA (mi^2)	18.7	BASIC FLOOD	DESIGN FLOOD
RECURRENCE INTERVAL (YEARS)		100	50
PEAK DISCHARGE (ft^3/sec)		3960	3420
HIGH WATER ELEVATION AT POINT OF MAX BACKWATER	EXISTING	728.57	728.48
	PROPOSED	721.67	720.98
AVG. VELOCITY THRU STRUCT. @ DESIGN FLOOD (ft/sec)			14.4





* MEASURED PERPENDICULAR TO FLOW

AFFIX SEAL:
ON:

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21
BRIDGES 1081000
CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BRIDGE PLAN & ELEVATION
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554
B&L
DRAWING NO. ST-4
SHEET NO. 36

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK G. WEHBE | PROJECT MANAGER W. FINCH | DRAFTING P. ZIARKO/M. KRONICKI | CHECK M. PATTERSON

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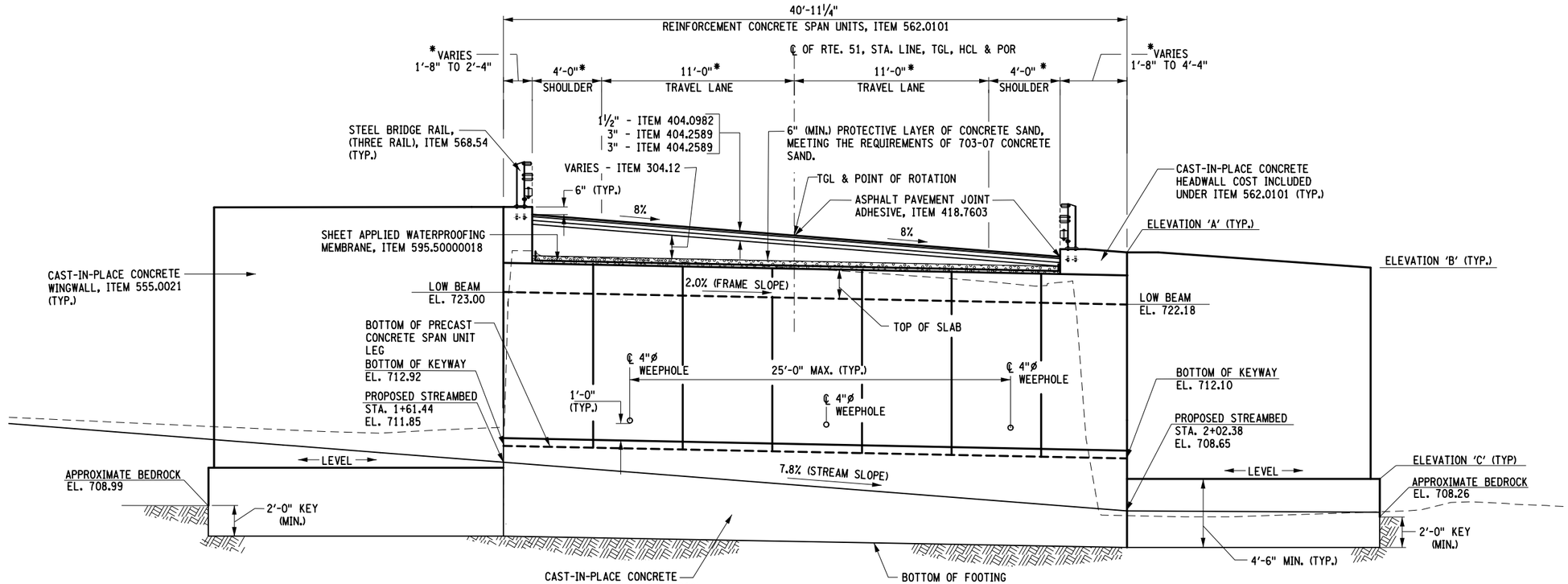

PROPOSED BRIDGE SECTION B
SCALE: ⅛" = 1'-0" ST-4

NOTES:

1. * MEASURED PERPENDICULAR TO PROPOSED ℄ OF IMPROVEMENT. ALL OTHER MEASUREMENTS ARE TAKEN ALONG THE ℄ STREAM.
2. THE LENGTH OF EACH CULVERT SEGMENT SHALL BE DETERMINED BY THE CONTRACTOR.

WINGWALL DATA			
LOCATION	ELEVATION A	ELEVATION B	ELEVATION C
WINGWALL 1	728.98	725.00	711.50
WINGWALL 2	727.94	727.94	711.50
WINGWALL 3	726.24	724.00	710.75
WINGWALL 4	724.98	723.86	710.75

AFFIX SEAL:
ON:

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

BRIDGE TRANSVERSE SECTION
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. ST-5
SHEET NO. 37

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. MEHBE | PROJECT MANAGER W. FINCH

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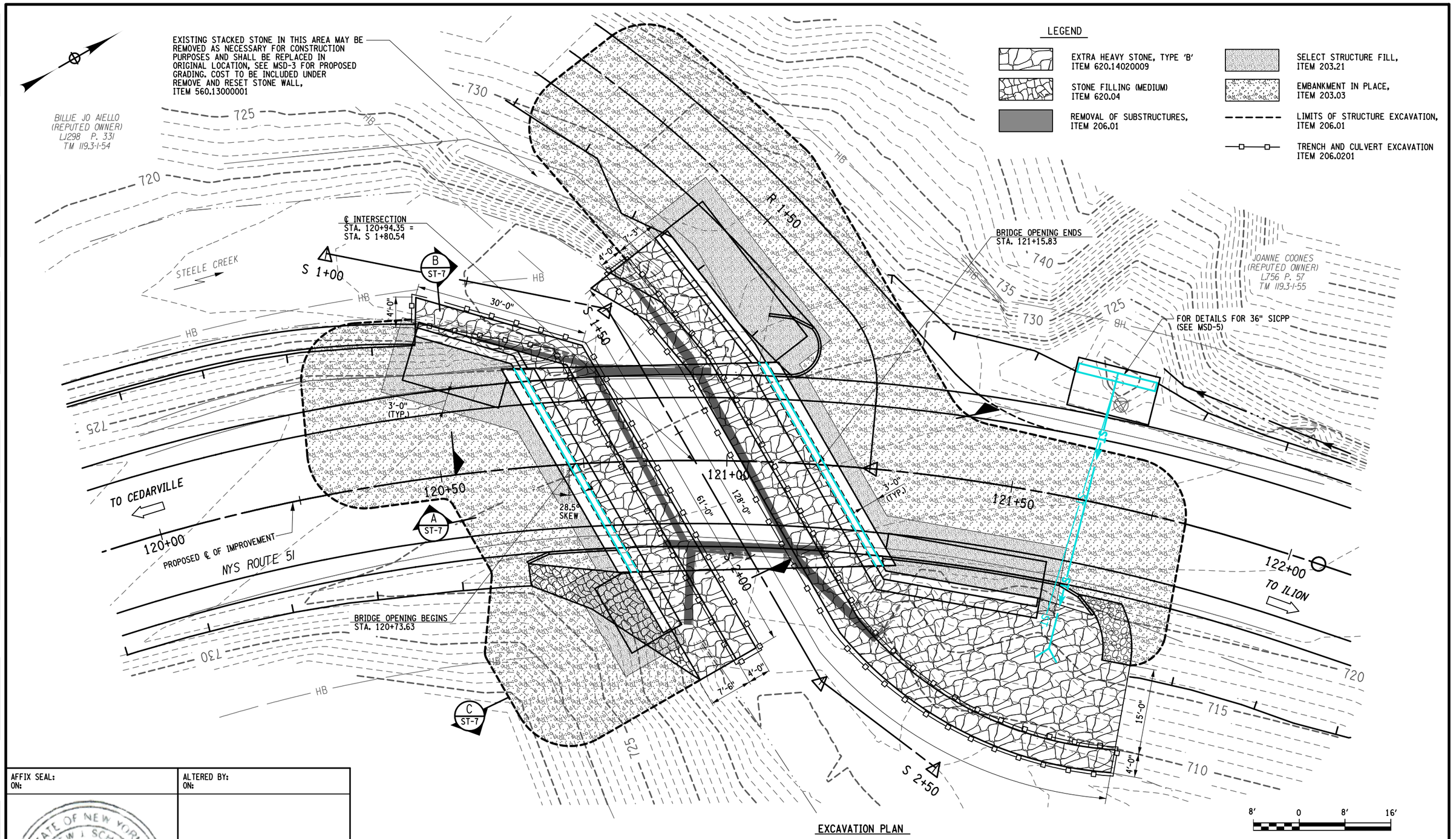

EXCAVATION PLAN

AFFIX SEAL: ON:	ALTERED BY: ON:					
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED EXCAVATION PLAN ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 DRAWING NO. ST-6 SHEET NO. 38

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE Department of Transportation

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. MEHBE | PROJECT MANAGER W. FINCH | CHECK

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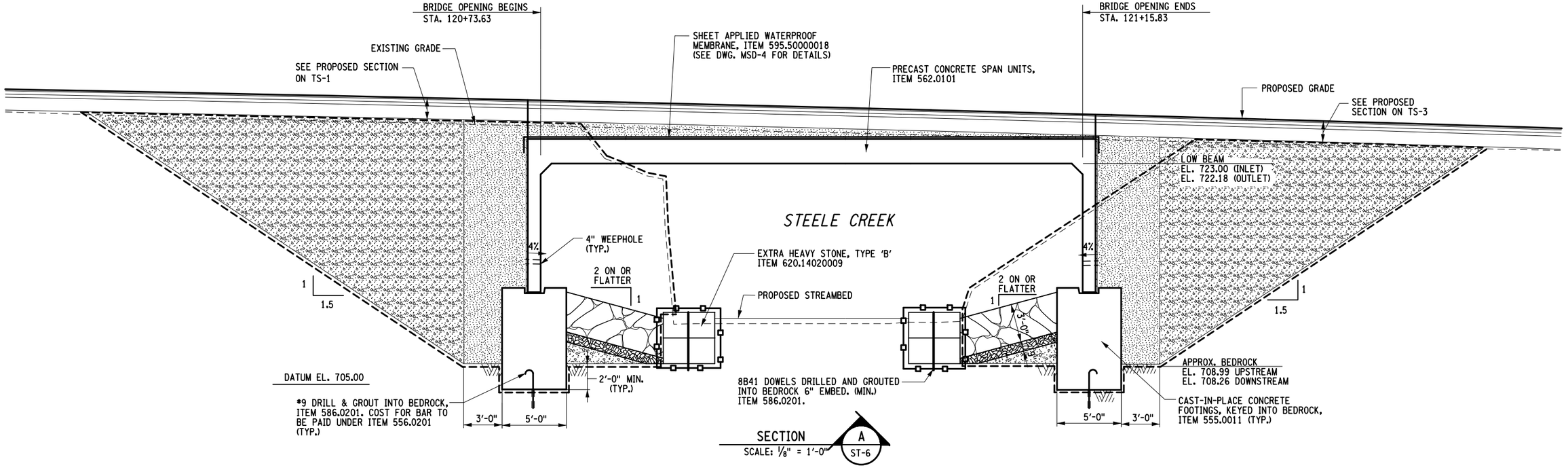
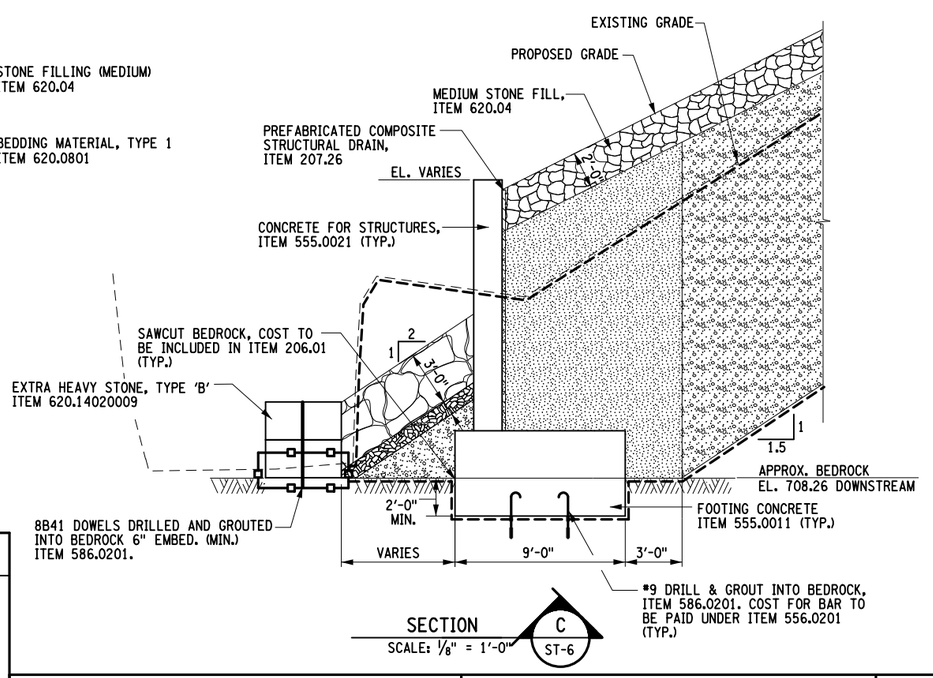


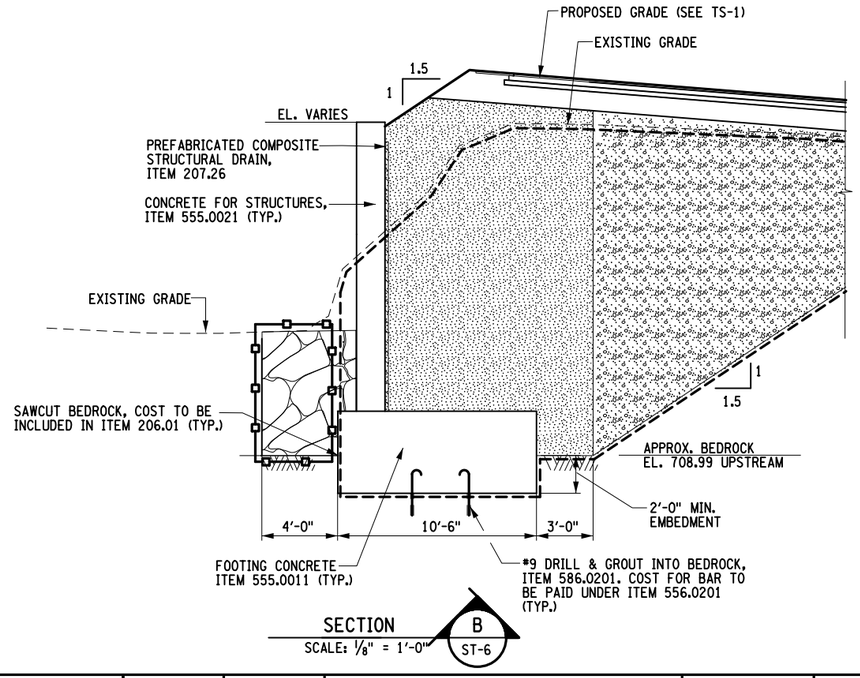
SECTION A
SCALE: 1/8" = 1'-0"
ST-6

LEGEND

- SELECT STRUCTURE FILL, ITEM 203.21
- EMBANKMENT IN PLACE, ITEM 203.03
- EXTRA HEAVY STONE, TYPE 'B' ITEM 620.14020009
- STRUCTURE EXCAVATION, ITEM 206.01
- COMPOSITE STRUCTURAL DRAIN, ITEM 207.26
- TRENCH AND CULVERT EXCAVATION ITEM 206.0201
- STONE FILLING (MEDIUM) ITEM 620.04
- BEDDING MATERIAL, TYPE 1 ITEM 620.0801



SECTION C
SCALE: 1/8" = 1'-0"
ST-6



SECTION B
SCALE: 1/8" = 1'-0"
ST-6

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J. SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER	

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D265554	B&L
ROUTE 51 OVER STEELE CREEK				EXCAVATION SECTIONS ROUTE 51 OVER STEELE CREEK	DRAWING NO. ST-7	
SH 5466: ILION - CEDARVILLE					SHEET NO. 39	
TOWN OF LITCHFIELD						
COUNTY: HERKIMER REGION: 2						

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN M. PATTERSON | CHECK R. WOOD | PROJECT MANAGER G. MEHBE | CHECK M. ZIARKO/M. KRONICKI | DRAFTING P. ZIARKO/M. KRONICKI | CHECK M. PATTERSON | PROJECT MANAGER W. FINCH

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 4\Site 17 - Site 17 - C230091\2LC121.cpb.erw.sec_site 17.dgn
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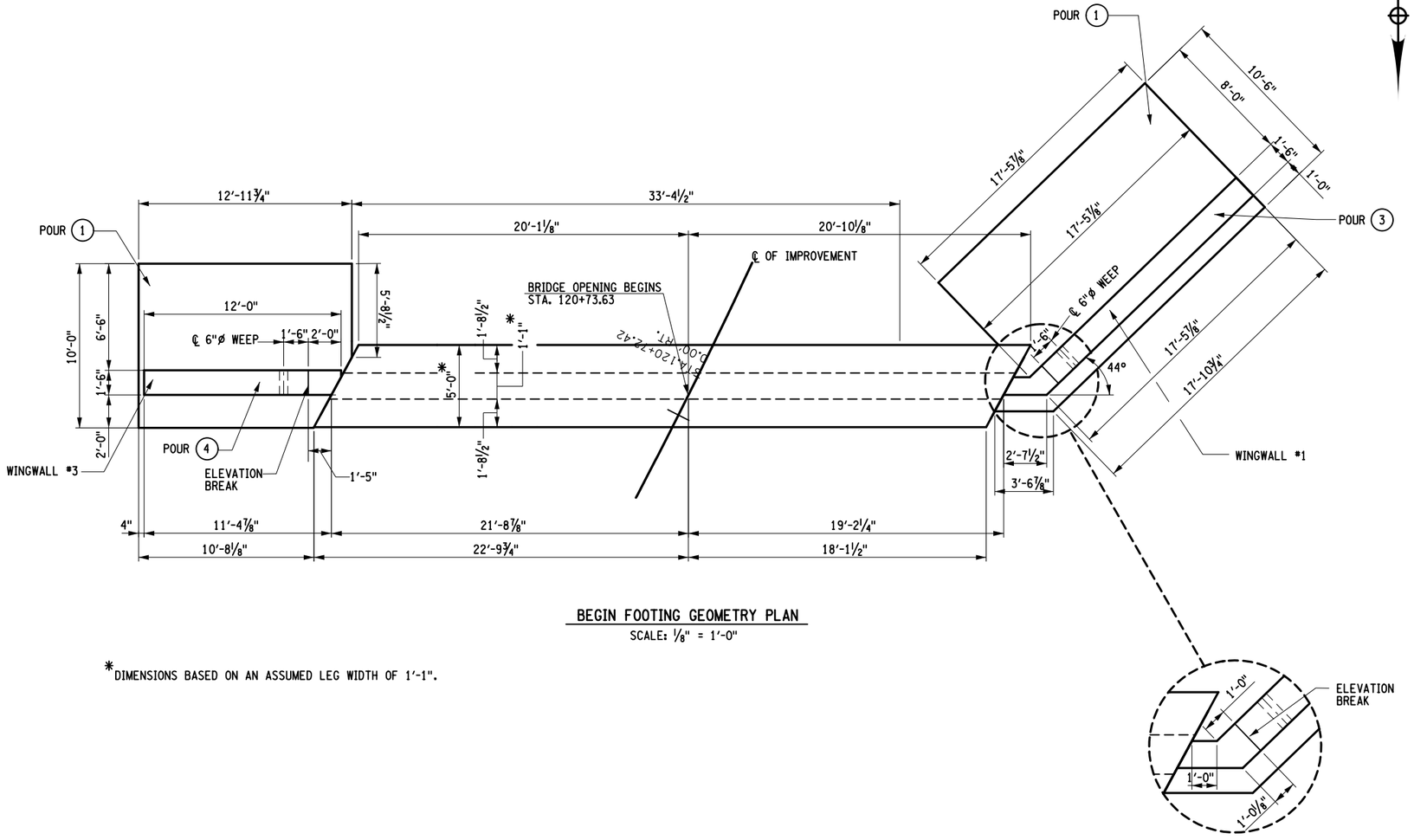

BEGIN FOOTING GEOMETRY PLAN

SCALE: ⅛" = 1'-0"

*DIMENSIONS BASED ON AN ASSUMED LEG WIDTH OF 1'-1".

CONCRETE QUANTITIES				
POUR	ITEM 555.0011 (CY)	ITEM 555.0021 (CY)	ITEM 556.0201 (LB)	ITEM 556.0202 (LB)
①	99.0	——	5548.9	168.2
②	145.9	——	8145.0	311.2
③	——	16.4	1407.0	497.1
④	——	9.5	567.9	275.9
⑤	——	25.4	2204.3	695.1
⑥	——	21.6	1241.0	625.8
⑦	9.2	——	600.0	113.3
⑧	——	3.7	132.8	86.6
TOTAL	254.1	76.6	19847.0	2773.2

NOTES:

1. UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201. EPOXY COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER 556.0202.
2. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK MATTHEW J SCHOOLEY No 069983 LICENSED PROFESSIONAL ENGINEER	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED BEGIN FOOTING GEOMETRY PLAN ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 B&L DRAWING NO. ST-8 SHEET NO. 40

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KROWICKI | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

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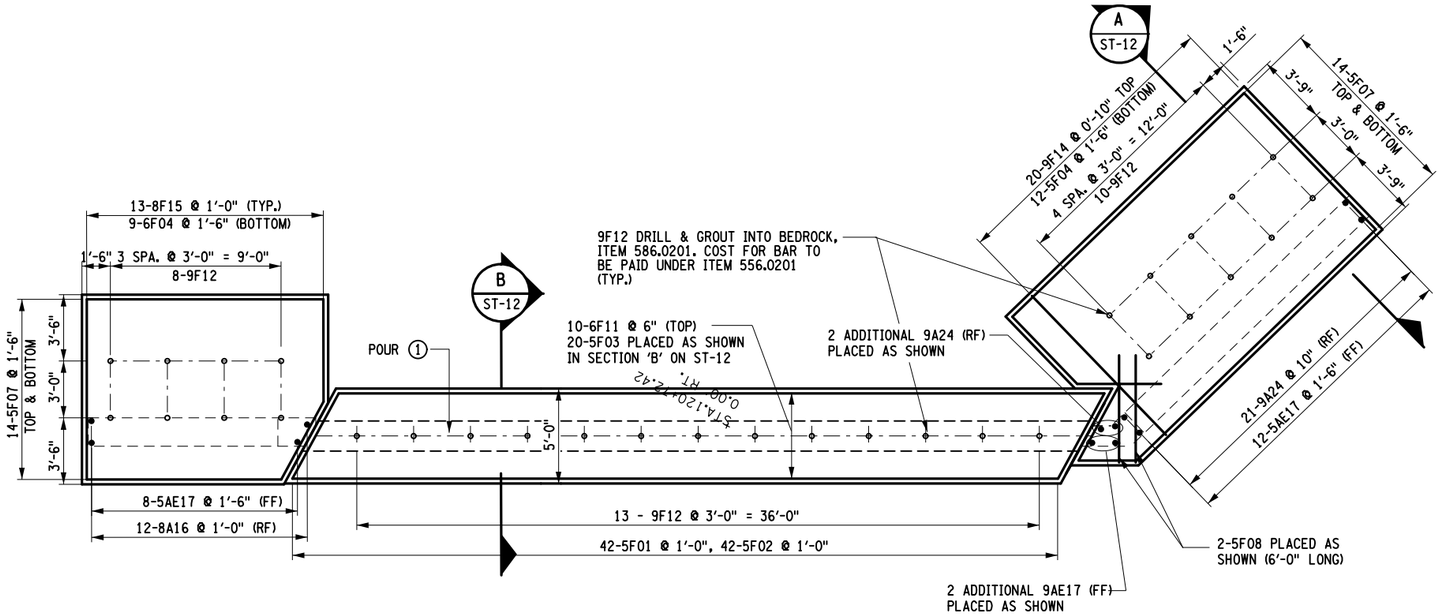
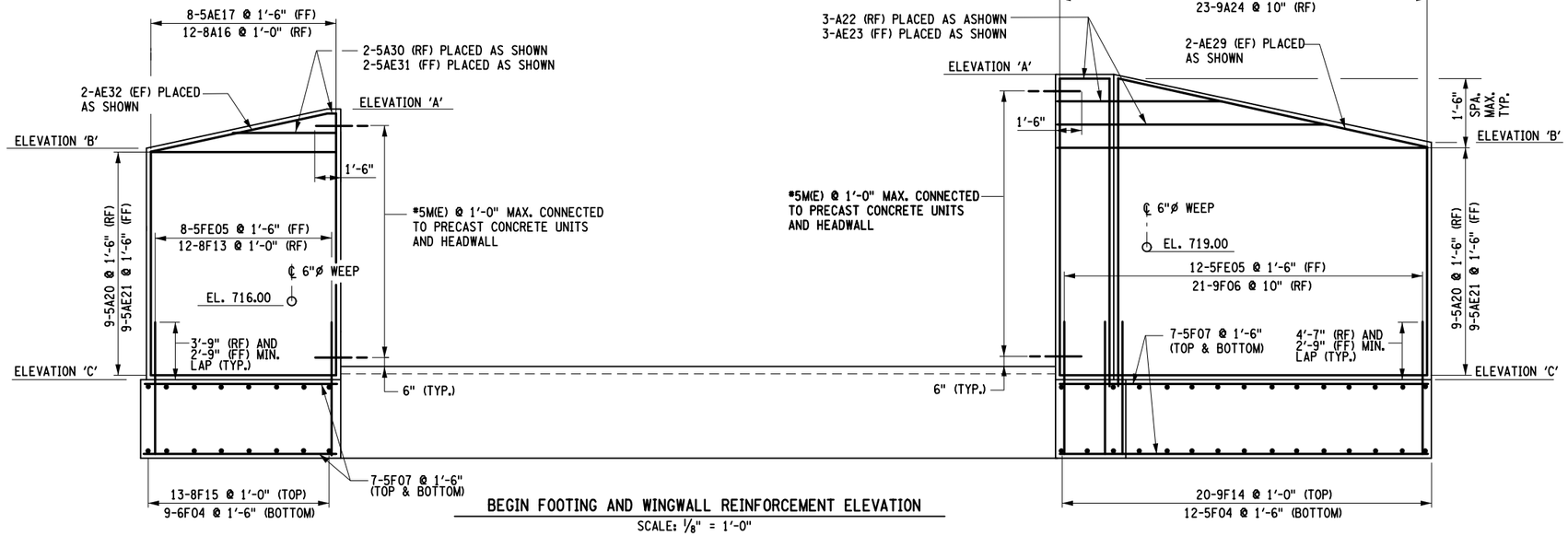


BEGIN FOOTING REINFORCEMENT PLAN

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



BEGIN FOOTING AND WINGWALL REINFORCEMENT ELEVATION

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

LEGEND

FF = FRONT FACE
RF = REAR FACE
EF = EACH FACE

NOTES:

1. UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201. EPOXY COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER 556.0202.
2. SEE DWG. ST-8 FOR CONCRETE QUANTITIES TABLE.
3. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
4. SEE DWG. ST-5 FOR ELEVATIONS A THRU C.
5. COST OF MECHANICAL CONNECTORS FROM THE WINGWALLS TO PRECAST UNITS AND HEAWALLS SHALL BE INCLUDED UNDER ITEM 562.0101.

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J. SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:					
	LARGE CULVERT REPLACEMENT	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED
	ROUTE 51 OVER STEELE CREEK				BEGIN FOOTING AND WINGWALL REINFORCEMENT PLAN AND ELEVATION ROUTE 51 OVER STEELE CREEK
	SH 5466: ILION - CEDARVILLE				
	TOWN OF LITCHFIELD				
	COUNTY: HERKIMER REGION: 2				

CONTRACT NUMBER D265554 — B&L

DRAWING NO. ST-9

SHEET NO. 41

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | PROJECT MANAGER W. FINCH | CHECK G. WEHBE | DRAFTING P. ZIARKO/M. KROWICKI

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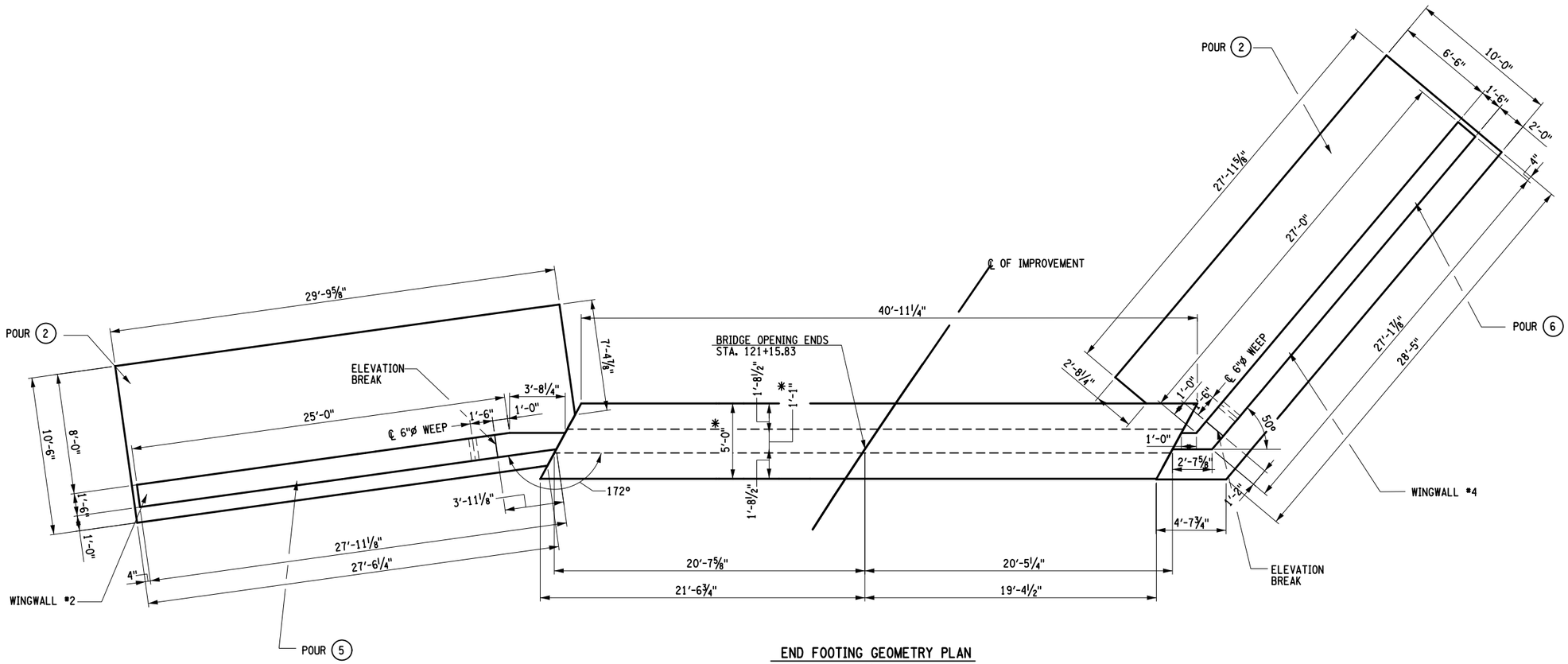

END FOOTING GEOMETRY PLAN

SCALE: ⅛" = 1'-0"

*DIMENSIONS BASED ON AN ASSUMED LEG WIDTH OF 1'-1".

NOTES:

1. UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201. EPOXY COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER 556.0202.
2. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.

CONCRETE QUANTITIES

POUR	ITEM 555.0011 (CY)	ITEM 555.0021 (CY)	ITEM 556.0201 (LB)	ITEM 556.0202 (LB)
(1)	99.0	——	5548.9	168.2
(2)	145.9	——	8145.0	311.2
(3)	——	16.4	1407.0	497.1
(4)	——	9.5	567.9	275.9
(5)	——	25.4	2204.3	695.1
(6)	——	21.6	1241.0	625.8
(7)	9.2	——	600.0	113.3
(8)	——	3.7	132.8	86.6
TOTAL	254.1	76.6	19847.0	2773.2

AFFIX SEAL:
ON:

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

END FOOTING GEOMETRY PLAN
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. ST-10
SHEET NO. 42

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. MEHBE | PROJECT MANAGER | CHECK M. PATTERSON | W. FINCH

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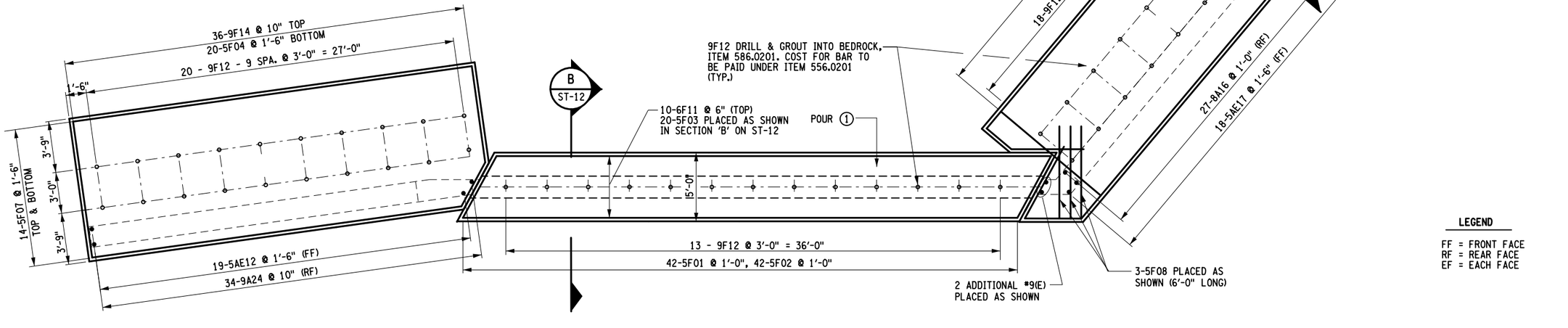
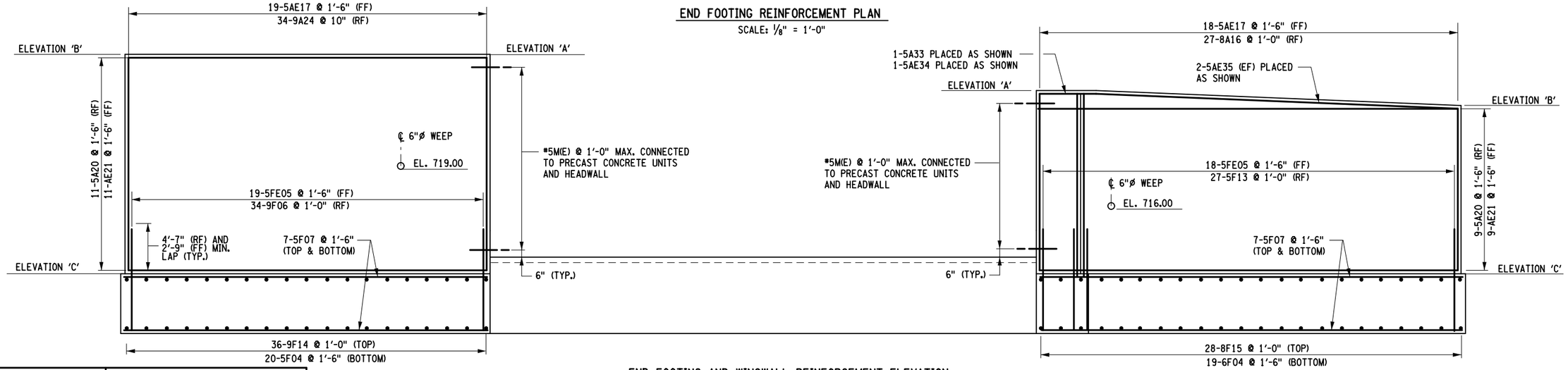
NOTES:

1. UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201. EPOXY COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER 556.0202.
2. SEE DWG. ST-8 FOR CONCRETE QUANTITIES TABLE.
3. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
4. SEE DWG. ST-5 FOR ELEVATIONS A THRU C.
5. COST OF MECHANICAL CONNECTORS FROM THE WINGWALLS TO PRECAST UNITS AND HEAWALLS SHALL BE INCLUDED UNDER ITEM 562.0101.



END FOOTING REINFORCEMENT PLAN
SCALE: 1/8" = 1'-0"

LEGEND
FF = FRONT FACE
RF = REAR FACE
EF = EACH FACE



END FOOTING AND WINGWALL REINFORCEMENT ELEVATION
SCALE: 1/8" = 1'-0"

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J. SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:		PIN	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	LARGE CULVERT REPLACEMENT	2LC1.21	1081000	C230091	END FOOTING AND WINGWALL REINFORCEMENT PLAN AND ELEVATION	D265554
	ROUTE 51 OVER STEELE CREEK				ROUTE 51 OVER STEELE CREEK	DRAWING NO. ST-11
	SH 5466: ILION - CEDARVILLE					SHEET NO. 43
	TOWN OF LITCHFIELD					
	COUNTY: HERKIMER REGION: 2					

Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. MEHBE | PROJECT MANAGER W. FINCH

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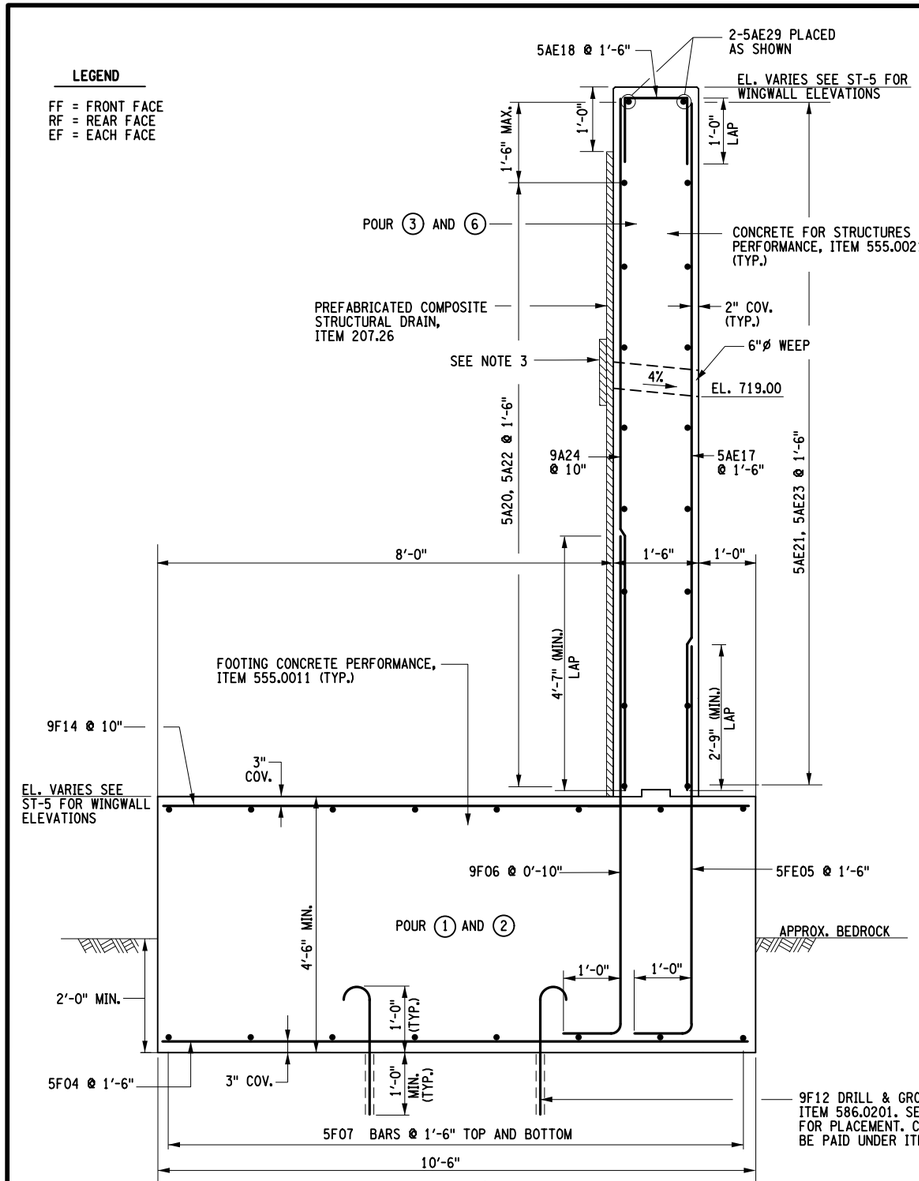
DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER M. FINCH/B. TREMBLAY | DRAFTING P. ZIARKO/M. KROWICKI | CHECK M. PATTERSON | DESIGN R. WOOD | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

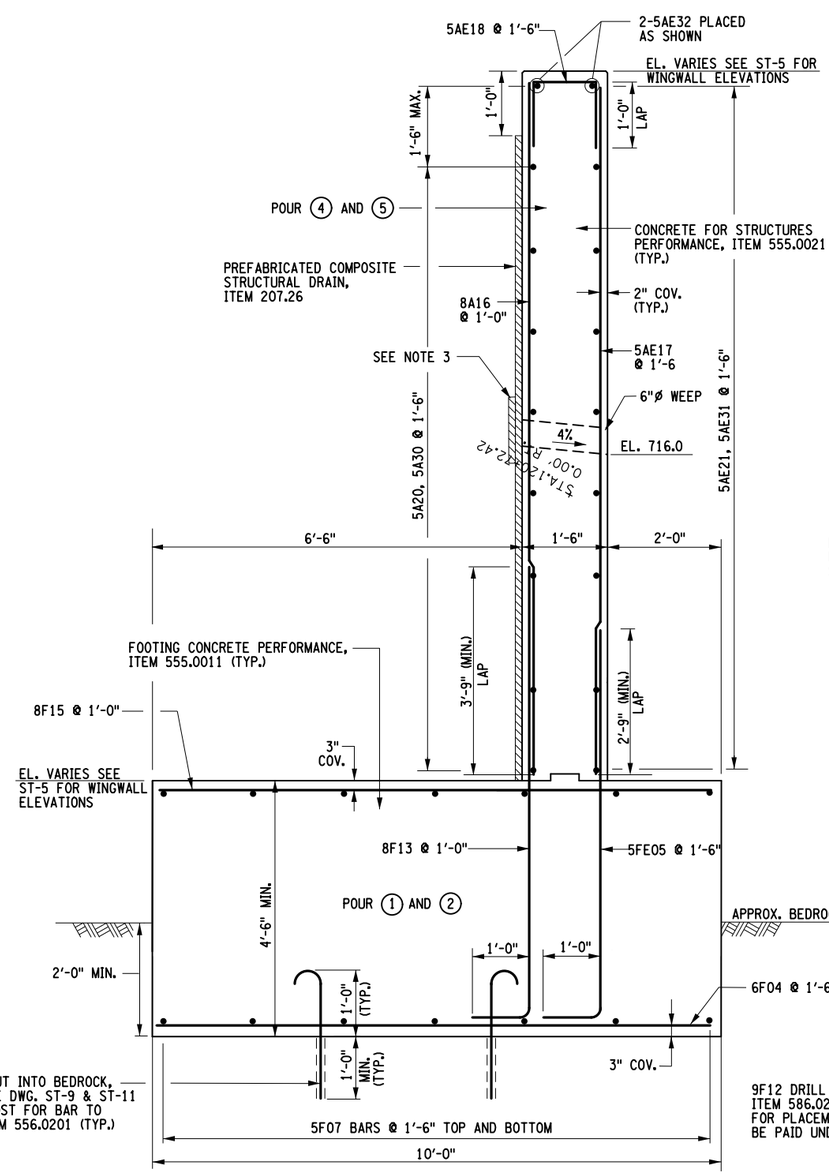
LEGEND

FF = FRONT FACE
RF = REAR FACE
EF = EACH FACE



WINGWALL #1 & #2 (INLET)

SECTION A — SCALE: 3/8" = 1'-0" — ST-9, ST-11

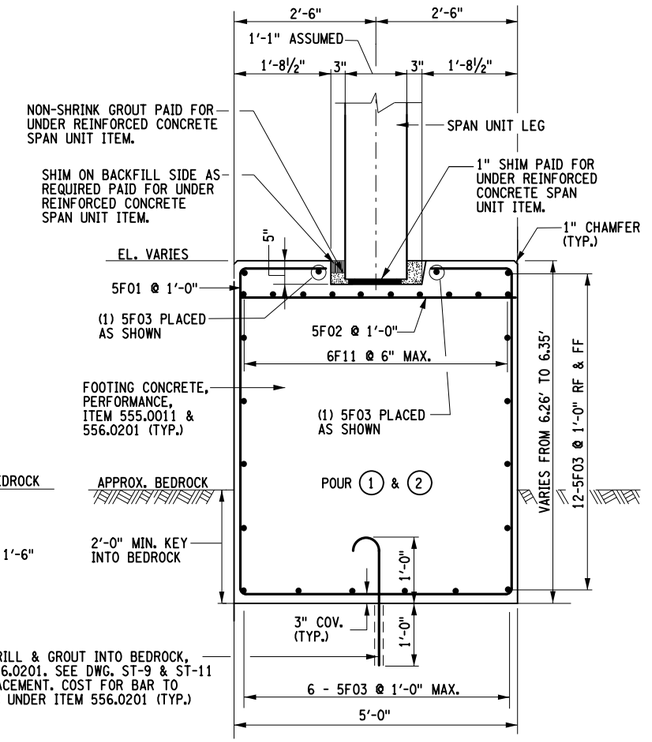


WINGWALL #3 & #4 (OUTLET)

SECTION C — SCALE: 3/8" = 1'-0" — ST-9, ST-11

NOTES:

1. UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201. EPOXY COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER 556.0202.
2. COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE 3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL BE 2" UNLESS OTHERWISE NOTED.
3. STRUCTURAL DRAINS WITH AN IMPERMEABLE CORE SHALL HAVE THE IMPERMEABLE PORTION REMOVED AT WEEPHOLE LOCATIONS WITHOUT DAMAGING THE GEOTEXTILE. ALL WEEPHOLE LOCATIONS SHALL BE REINFORCED BY AN ADDITIONAL 2'x2' SECTION OF STRUCTURAL DRAIN PLACED ON THE SOIL SIDE.



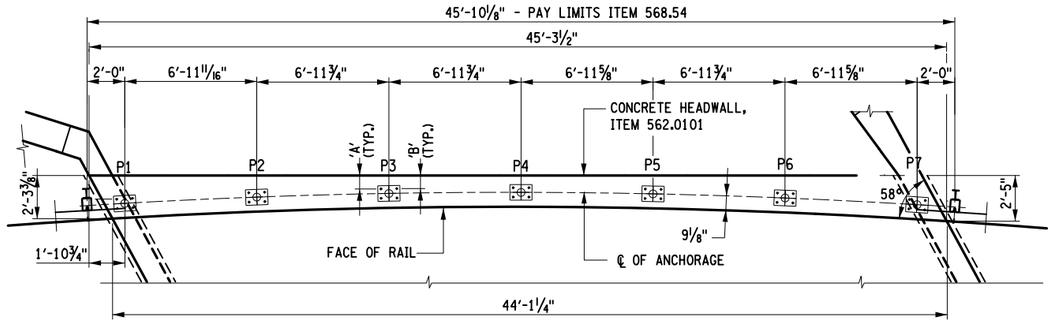
SECTION B — SCALE: 3/8" = 1'-0" — ST-9, ST-11

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983	

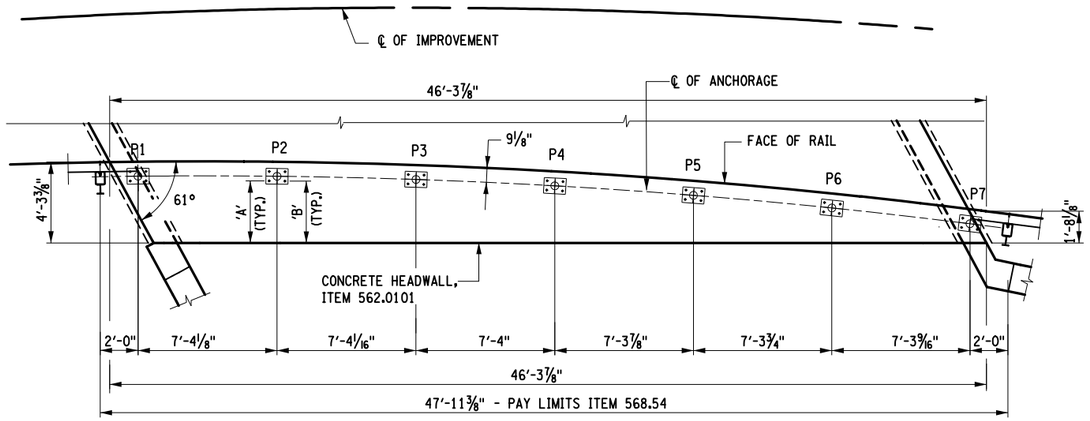
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED REINFORCEMENT DETAILS ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 DRAWING NO. ST-12 SHEET NO. 44

B&L

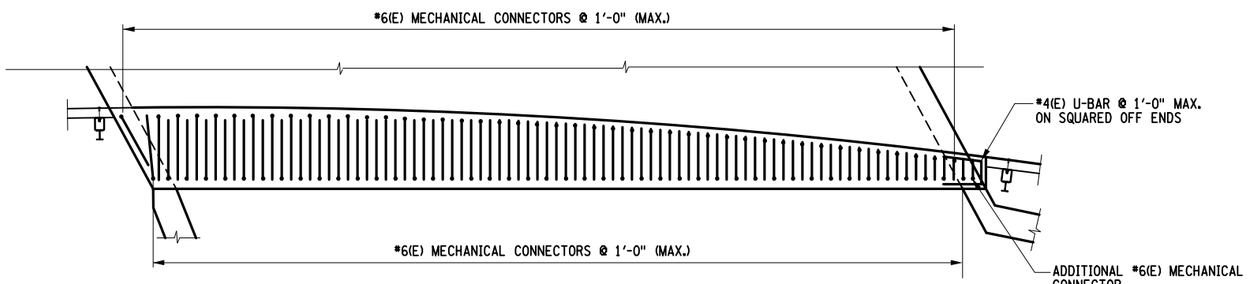
NEW YORK STATE Department of Transportation



LEFT RAILING ANCHORAGE PLAN
SCALE: 3/16" = 1'-0"



RIGHT RAILING ANCHORAGE PLAN
SCALE: 3/16" = 1'-0"

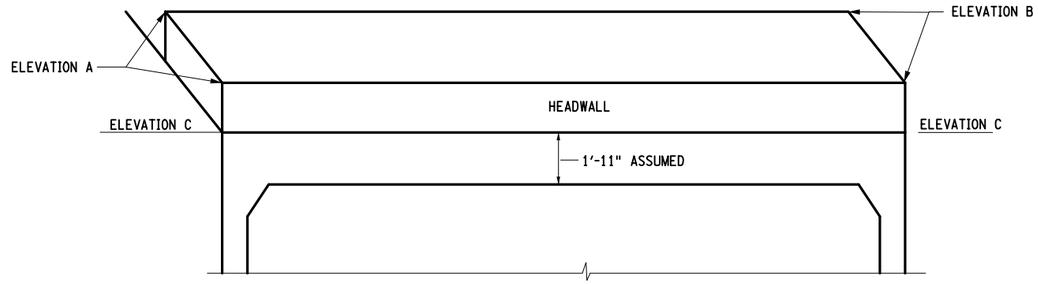


HEADWALL REINFORCEMENT PLAN
RIGHT SHOWN, LEFT SIMILAR
SCALE: 3/16" = 1'-0"

BRIDGE RAILING ANCHORAGE				
PLATE	LOCATION	STATION	'A'	'B'
P1	LT	120+66.02	1'-3 1/16"	1'-2 1/16"
P2	LT	120.72.69	11"	10 9/16"
P3	LT	120+79.36	8 9/16"	8⅜"
P4	LT	120+86.04	7¾"	7¾"
P5	LT	120+92.70	8 9/16"	8 13/16"
P6	LT	120+99.37	11⅛"	11½"
P7	LT	121+06.04	1'-3¼"	1'-3⅜"

BRIDGE RAILING ANCHORAGE				
PLATE	LOCATION	STATION	'A'	'B'
P1	RT	120+81.78	3'-3 5/16"	3'-3 7/16"
P2	RT	120+89.48	3'-3 7/16"	3'-3 5/16"
P3	RT	120+97.18	3'-1½"	3'-1⅛"
P4	RT	121+04.87	2'-9 9/16"	2'-9"
P5	RT	121+12.57	2'-3 11/16"	2'-2⅞"
P6	RT	121+20.27	1'-7 13/16"	1'-6¾"
P7	RT	121+27.97	0'-9 15/16"	0'-8 11/16"

NOTES:
1. WORKING LINE STATIONS ARE MEASURED AT ℄ RAILING ANCHOR PLATES.
2. DIMENSIONS A AND B ARE MEASURED PERPENDICULAR TO FASCIA TO THE CENTER OF ANCHOR PLATE BOLT HOLE.



HEADWALL ELEVATION
RIGHT HEADWALL SHOWN LEFT HEADWALL SIMILAR
NTS

HEADWALL DATA			
LOCATION	ELEVATION A	ELEVATION B	ELEVATION C
LT. HEADWALL	728.98	727.94	724.92
RT. HEADWALL	726.24	724.98	724.12

BASED ON 1'-11" TOP SLAB THICKNESS, IF TOP SLAB VARIES CONTRACTOR SHALL ADJUST ELEVATIONS

AFFIX SEAL:
ON:

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · No. 069983 · LICENSED PROFESSIONAL ENGINEER

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21
BRIDGES 1081000
CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

RAILING LAYOUT
AND HEADWALL DETAILS
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554
DRAWING NO. ST-13
SHEET NO. 45

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK | DRAFTING P. ZIARKO/M. KRONICKI | CHECK M. PATTERSON | CHECK | PROJECT MANAGER G. WEHBE | CHECK | W. FINCH

FILE NAME = i:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 4\Site 17 - C230091\2LC121.cpb.rlg_site 17.dgn
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DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DRAFTING P. ZIARKO/M. KRONICKI | CHECK M. PATTERSON | DESIGN R. WOOD | CHECK G. WEHBE | PROJECT MANAGER W. FINCH

BEGIN FOOTING

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
5F01	42	221.7	S6	809.3	14.5	69.6	54.0	69.6	14.0				
5F02	42	54.0	N1	197.1									54.0
5F03	20	485.3	N1	843.6									485.3
6F11	10	485.3	N1	607.4									485.3
9F12	13	43.5	1	160.2	19.5	24.0			0.0		11.75		
		SUBTOTAL BLACK BARS (LB) =				2617.7							
		SUBTOTAL EPOXY BARS (LB) =				0.0							

END FOOTING

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
5F01	42	221.7	S6	809.4	14.5	69.6	54.0	69.6	14.0				
5F02	42	54.0	N1	197.1									54.0
5F03	20	485.3	N1	843.6									485.3
6F11	10	485.3	N1	607.4									485.3
9F12	13	43.5	1	160.2	19.5	24.0			0.0		11.75		
		SUBTOTAL BLACK BARS (LB) =				2617.7							
		SUBTOTAL EPOXY BARS (LB) =				0.0							

WINGWALL #1 FOOTING

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
5F04	12	120.0	N1	125.2									120.0
5FE05	12	96.8	17	100.9		12.0	84.75	0.0					
9F06	21	118.8	17	706.6		12.0	106.75	0.0					
5F07	14	203.9	N1	248.1									210.0
9F12	10	43.5	1	123.3	19.5	24.0			0.0		11.75		
9F14	20	120.0	N1	680.0									120.0
5F08	3	72.0	N1	18.8									72.0
		SUBTOTAL BLACK BARS (LB) =				1901.9							
		SUBTOTAL EPOXY BARS (LB) =				100.9							

WINGWALL #2 FOOTING

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
5F04	20	120.0	N1	208.6									120.0
5FE05	19	96.8	17	159.8		12.0	84.75	0.0					
9F06	34	118.8	17	1144.0		12.0	106.75	0.0					
5F07	14	351.6	N1	427.8									351.6
9F12	20	43.5	1	246.5	19.5	24.0			0.0		11.75		
9F14	36	120.0	N1	1224.0									120.0
		SUBTOTAL BLACK BARS (LB) =				3250.9							
		SUBTOTAL EPOXY BARS (LB) =				159.8							

WINGWALL #3 FOOTING

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
6F04	9	114.0	N1	128.4									114.0
5FE05	8	96.8	17	67.3		12.0	84.75	0.0					
8F13	12	108.8	17	290.4		12.0	96.75						
5F07	14	149.8	N1	182.2									149.75
9F12	8	43.5	1	98.6	19.5	24.0			0.0		11.75		
8F15	13	114.0	N1	329.7									114.0
		SUBTOTAL BLACK BARS (LB) =				1029.3							
		SUBTOTAL EPOXY BARS (LB) =				67.3							

WINGWALL #4 FOOTING

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
6F04	19	114.0	N1	271.1									114.0
5FE05	18	96.8	17	151.4		12.0	84.75						
8F13	27	108.8	17	653.3		12.0	96.75						
5F07	14	329.6	N1	401.1									329.6
9F12	18	43.5	1	221.9	19.5	24.0					11.75		
8F15	28	114.0	N1	710.2									114.0
5F08	3	72.0	N1	18.8									72.0
		SUBTOTAL BLACK BARS (LB) =				2276.4							
		SUBTOTAL EPOXY BARS (LB) =				151.4							

WINGWALL #1 WALL

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
9A24	23	181.9	N1	1185.4									181.9
5AE17	14	181.9	N1	221.3									181.9
5AE18	12	38.0	17	39.6		12.0	14.0	12.0					
5A20	9	220.7	19	172.6		12.0	208.7	0.0		9.0		7.6	216.3
5AE21	9	234.8	19	183.7		27.6	207.2	0.0		21.1		17.8	225.0
5A22	3	188.0	19	49.0		12.0	110.7	0.0		9.0		7.6	188.0
5AE23	3	72.0	19	18.8		27.6	109.3	0.0		21.1		17.8	72.0
5AE29	2	193.9	N1	33.7									193.9
		SUBTOTAL BLACK BARS (LB) =				1407.0							
		SUBTOTAL EPOXY BARS (LB) =				497.1							

WINGWALL #2 WALL

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
9A24	34	195.2	N1	1880.8									195.2
5AE17	19	195.2	N1	322.4									195.2
5AE18	17	38.0	17	56.1		12.0	14.0	12.0					
5A20	11	338.3	19	323.4			296.0	42.3		5.7		40.8	340.8
5AE21	11	331.1	N1	316.6									331.1
		SUBTOTAL BLACK BARS (LB) =				2204.3							
		SUBTOTAL EPOXY BARS (LB) =				695.1							

WINGWALL #3 WALL

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
8A16	12	168.4	N1	449.6									168.4
5AE17	8	168.4	N1	117.1									168.4
5AE18	8	38.0	17	26.4		12.0	14.0	12.0					
5A20	9	139.9	N1	109.4									139.9
5AE21	9	132.9	N1	104.0									132.9
5A30	2	51.0	N1	8.9									51.0
5AE31	2	47.5	N1	8.3									47.5
5AE32	2	116.0	N1	20.2									116.0
		SUBTOTAL BLACK BARS (LB) =				567.9							
		SUBTOTAL EPOXY BARS (LB) =				275.9							

WINGWALL #4 WALL

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
8A16	27	162.6	N1	976.8									160.0
5AE17	18	162.6	N1	254.4									160.0
5AE18	18	38.0	17	59.5		12.0	14.0	12.0					
5A20	9	335.0	19	262.1		12.0	323.0			9.3		7.8	330.8
5AE21	9	350.7	19	274.3		27.7	323.0			21.2		17.8	340.8
5A33	1	25.0	19	2.2		12.0	13.0			9.3		7.8	20.7
5AE34	1	40.7	19	3.5		27.7	13.0			21.2		17.8	30.7
5AE35	2	196.0	N1	34.1									196.0
		SUBTOTAL BLACK BARS (LB) =				1241.0							
		SUBTOTAL EPOXY BARS (LB) =				625.8							

HEAD WALL FOOTER

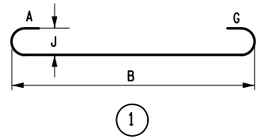
MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
5HF24	30	96.0	N1	250.3									96.0
5HF25	16	170.0	N1	236.4									170.0
5HFE26	14	93.1	17	113.3		12.0	81.1	0.0					
5HF27	14	93.1	17	113.3		12.0	81.1	0.0					
		SUBTOTAL BLACK BARS (LB) =				600.0							
		SUBTOTAL EPOXY BARS (LB) =				113.3							

HEAD WALL -WALL

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
5HW28	14	38.0	17	46.2		12.0	14.0	12.0					
5HWE29	5	164.0	N1	71.3									164.0
5HW30	5	164.0	N1	71.3									164.0
5HWE31	4	44.0	N1	15.3									44.0
5HW32	4	44.0	N1	15.3									44.0
		SUBTOTAL BLACK BARS (LB) =				132.8							
		SUBTOTAL EPOXY BARS (LB) =				86.6							

PINNING HEAVY STONE

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	G	H	J	K	O
8W40	135	36.0	N1	1081.4									36.0
8B41	25	54.0	N1	300.4									54.0
		SUBTOTAL BLACK BARS (LB) =				1381.7							
		SUBTOTAL EPOXY BARS (LB) =				0.0							



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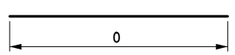

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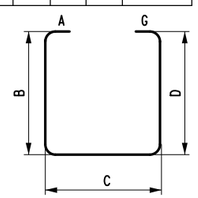

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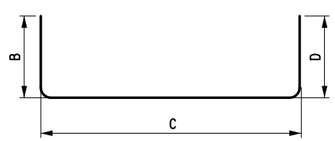

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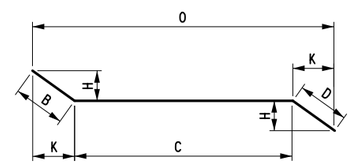


19

AFFIX SEAL:
ON:

ALTERED BY:
ON:

STATE OF NEW YORK
MATTHEW J. SCHOOLEY
No. 069983
LICENSED PROFESSIONAL ENGINEER

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

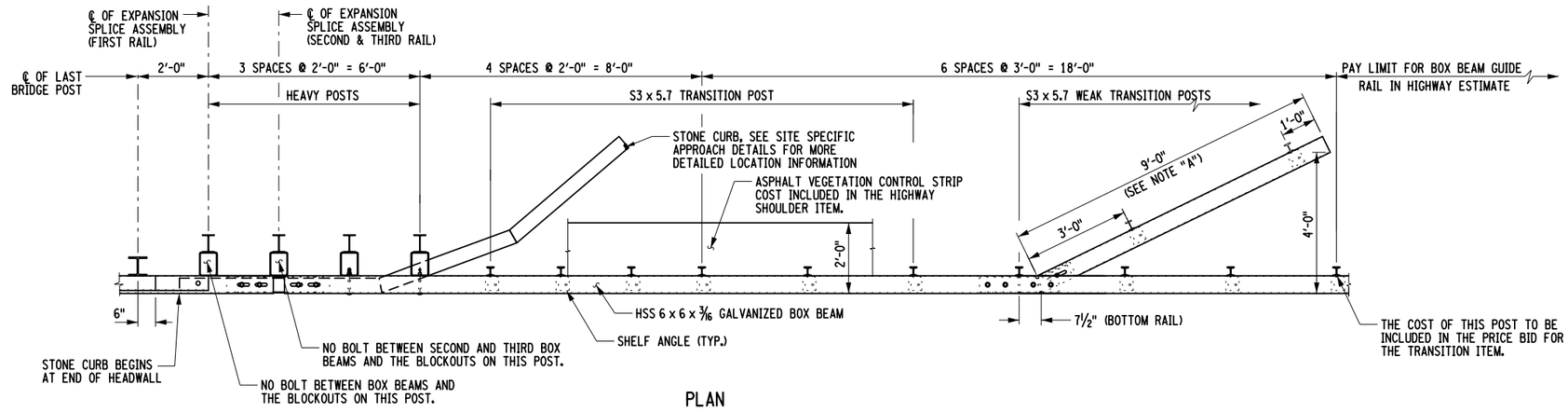
BAR LIST
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

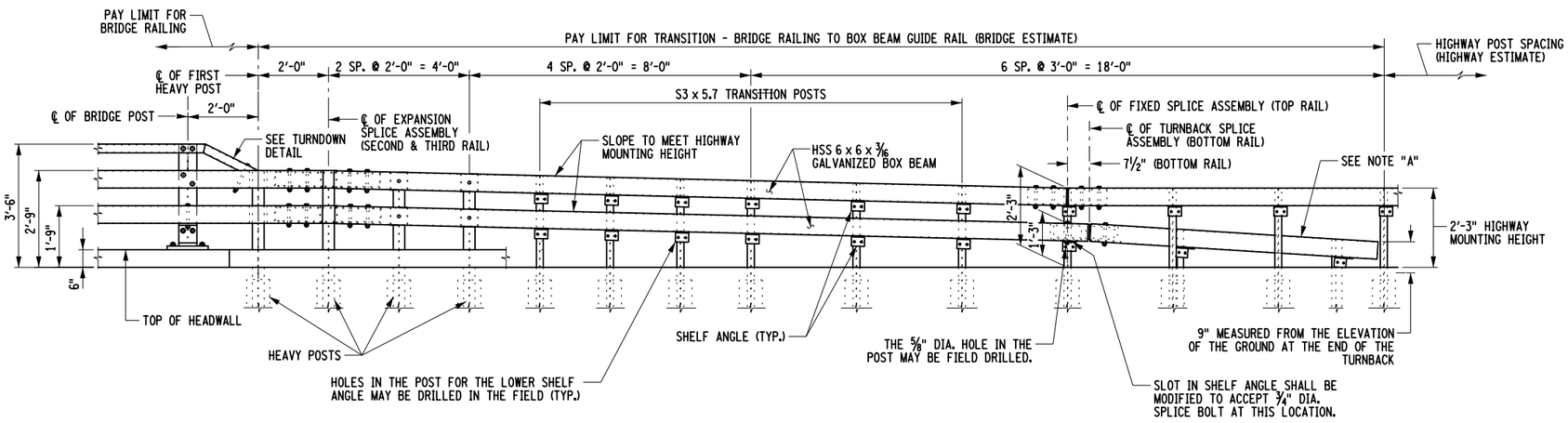
B&L

DRAWING NO. ST-14
SHEET NO. 46

NEW YORK STATE Department of Transportation



PLAN



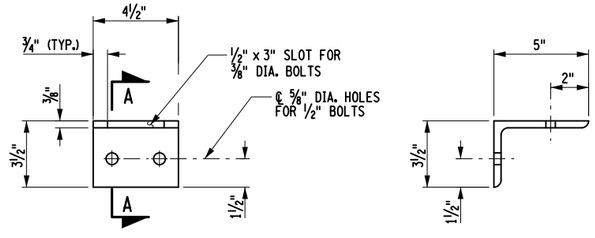
ELEVATION

NOTES:

NOTE "A":
THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE TURNBACK IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.

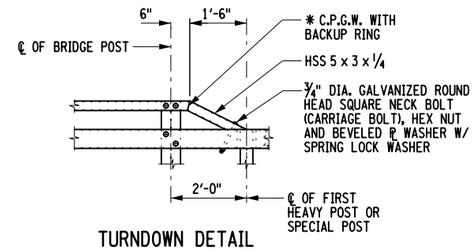
* C.P.G.W. = COMPLETE PENETRATION GROOVE WELD.

ANY MODIFICATIONS MADE IN THE FIELD THAT DAMAGES GALVANIZATION SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01 OF THE NYS STANDARD SPECIFICATIONS.



ELEVATION SECTION A-A

SHELF ANGLE DETAILS



TURNDOWN DETAIL

AFFIX SEAL: ON:	ALTERED BY: ON:

STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED RAILING DETAILS (SHEET 1 OF 4) ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 B&L DRAWING NO. RL-1 SHEET NO. 47

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | DETAILED CHECK M. PATTERSON | DRAFTING P. ZIARKO/M. KRONICKI | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK G. MEHBE | PROJECT MANAGER | CHECK W. FINCH

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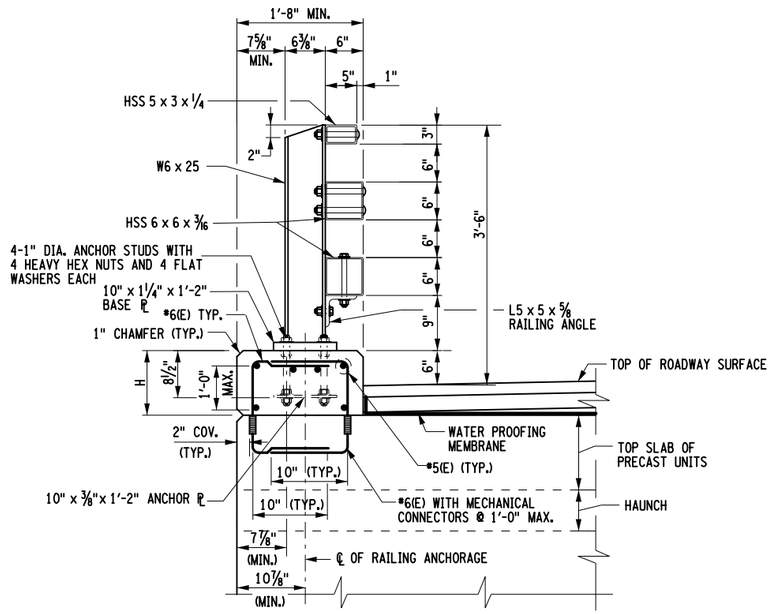

THREE-RAIL ANCHORAGE SECTION

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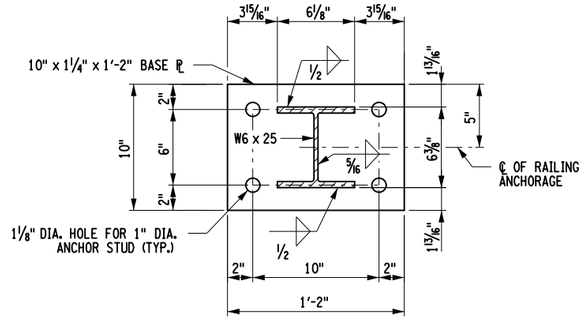
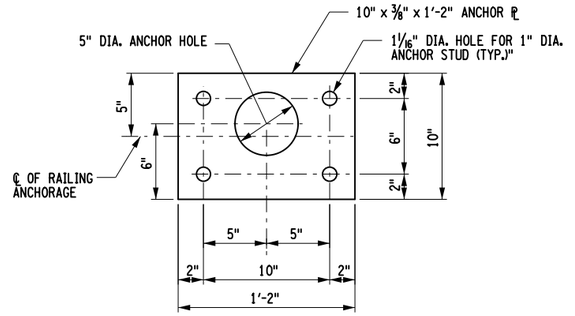


BASE PLATE DETAIL



ANCHOR PLATE DETAIL

NOTE:
FOR HEADWALL HEIGHT AND ELEVATIONS REFER TO THE "RAILING LAYOUT AND HEADWALL DETAILS" SHEETS.

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK MATTHEW J. SCHOOLEY LICENSED PROFESSIONAL ENGINEER No. 069983	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED RAILING DETAILS (SHEET 2 OF 4) ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 DRAWING NO. RL-2 SHEET NO. 48

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN G. WEHBE | PROJECT MANAGER W. FINCH
DRAFTING P. ZIARKO/M. KROWICKI | CHECK R. WOOD | CHECK M. PATTERSON

FILE NAME = I:\Projects\200\225 - NYS Department of Transportation\225.062 - Region 2 Large Culvert\Contract 4\Site 17 - C230091\2LC111_cpb_dtl_rlg_site 17.dgn
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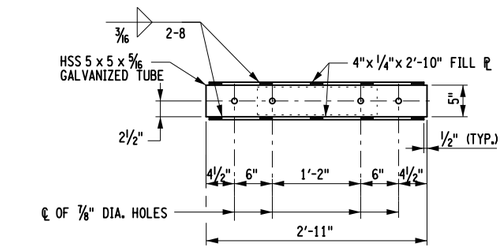

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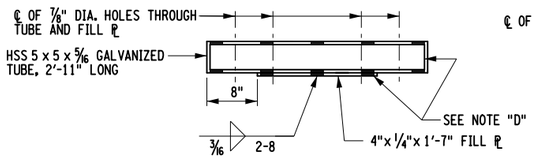
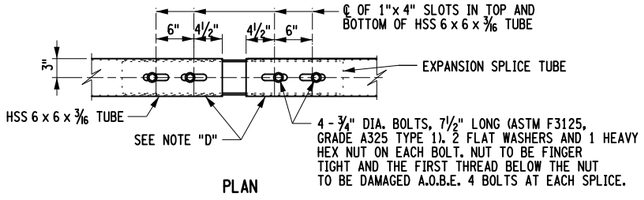


ELEVATION

EXPANSION SPLICE TUBE



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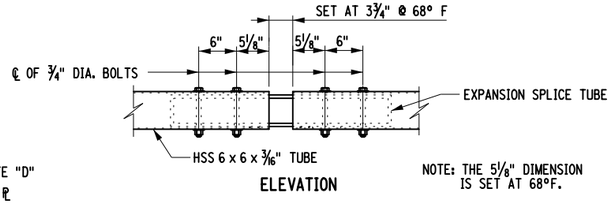
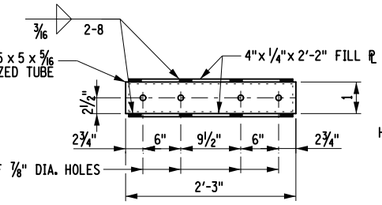


ELEVATION

EXPANSION SPLICE ASSEMBLY



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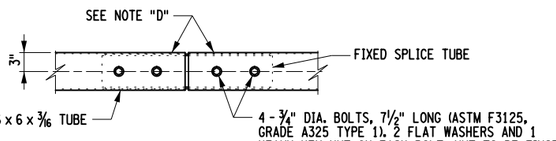

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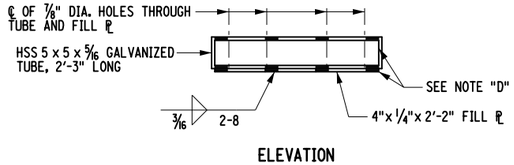
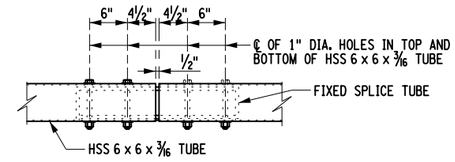


ELEVATION

FIXED SPLICE TUBE



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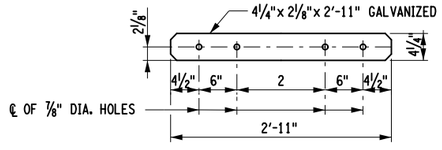
FIXED SPLICE ASSEMBLY



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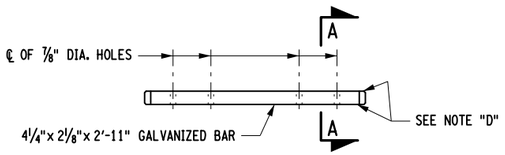
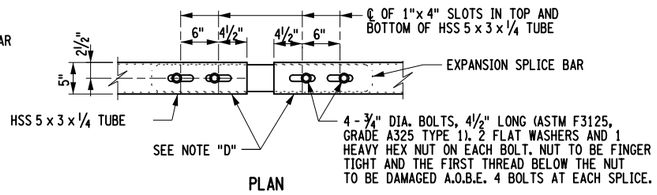


ELEVATION

EXPANSION SPLICE BAR



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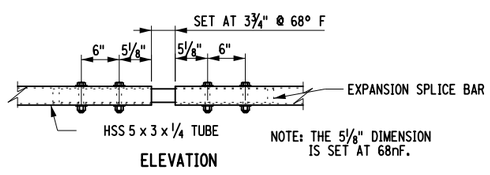
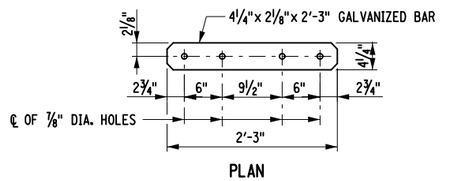


ELEVATION

EXPANSION SPLICE ASSEMBLY



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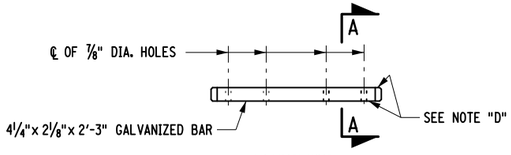
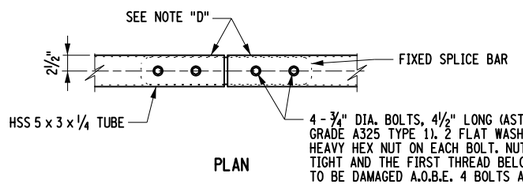


ELEVATION

FIXED SPLICE BAR



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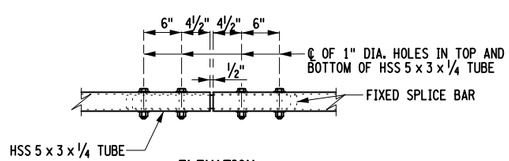

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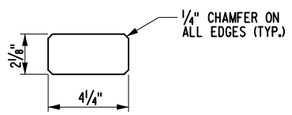
FIXED SPLICE ASSEMBLY



SECTION A-A

NOTE "D": PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK MATTHEW J SCHOOLEY LICENSED PROFESSIONAL ENGINEER No 069983	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	LARGE CULVERT REPLACEMENT ROUTE 51 OVER STEELE CREEK SH 5466: ILION - CEDARVILLE TOWN OF LITCHFIELD COUNTY: HERKIMER REGION: 2	PIN 2LC1.21	BRIDGES 1081000	CULVERTS C230091	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED RAILING DETAILS (SHEET 3 OF 4) ROUTE 51 OVER STEELE CREEK	CONTRACT NUMBER D265554 DRAWING NO. RL-3 SHEET NO. 49

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE Department of Transportation

M. PATTERSON DRAFTING P. ZIARKO/M. KROWICKI CHECK W. FINCH
M. SCHOOLEY JOB MANAGER W. FINCH/B. TREMBLAY DESIGN R. WOOD PROJECT MANAGER G. WEHBE

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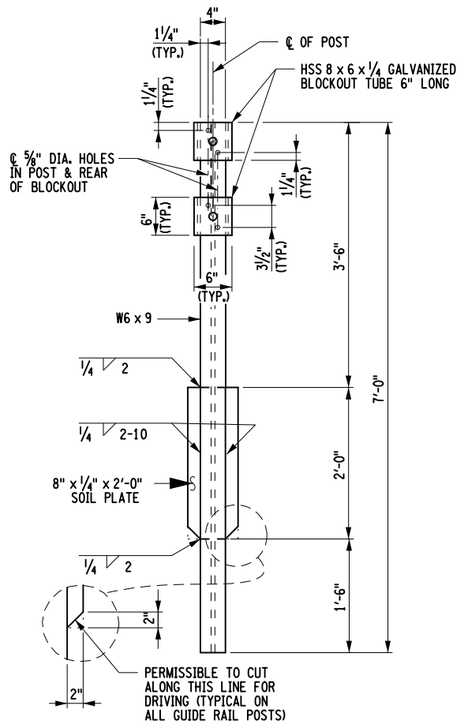
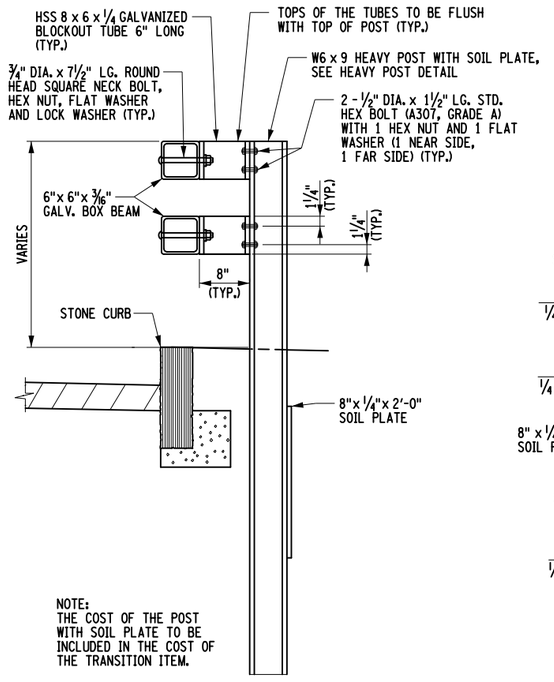
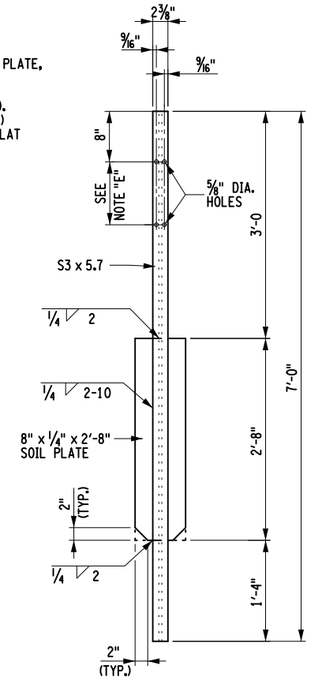


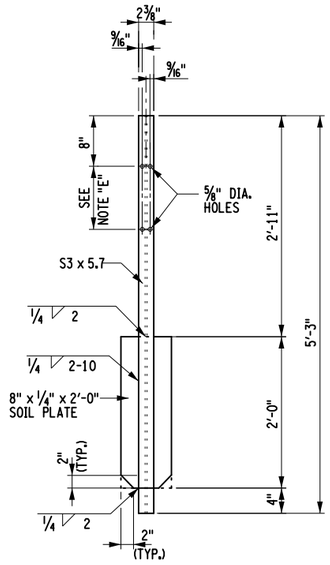
HEAVY POST DETAIL



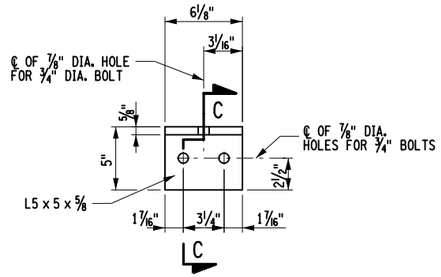
HEAVY POST ELEVATION



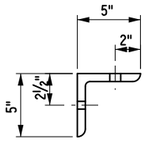
TRANSITION POST DETAIL



WEAK TRANSITION POST DETAIL

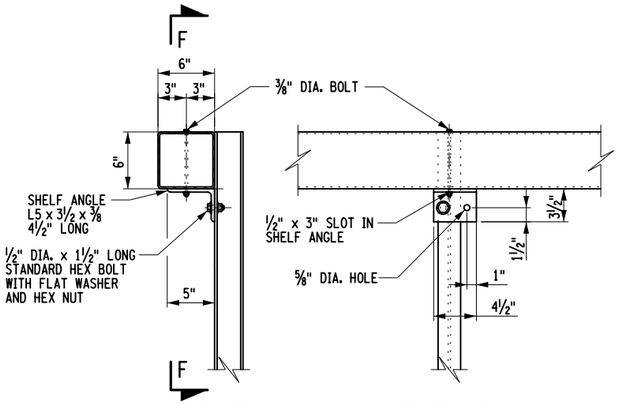


ELEVATION



SECTION C-C

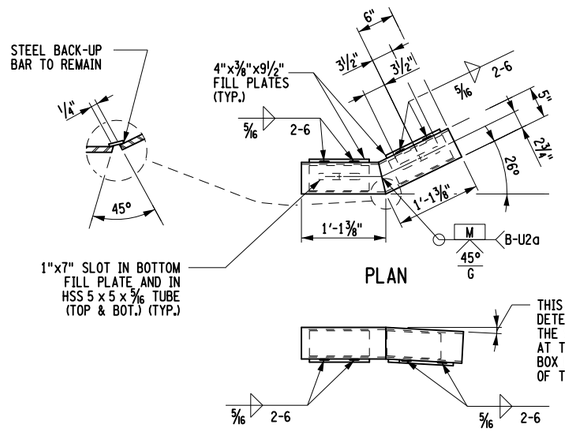
RAILING ANGLE DETAILS



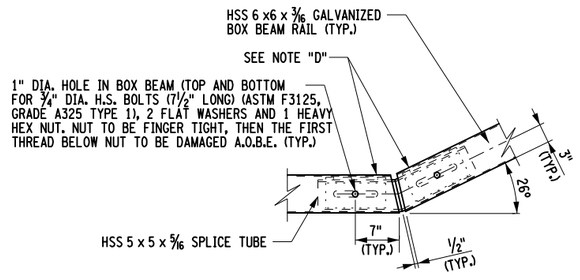
ELEVATION SECTION F-F

TYPICAL RAIL TO WEAK TRANSITION POST CONNECTION

SLOTTED ROUND HEAD BOLT



SPLICE TUBE DETAILS FOR TURNBACK



PLAN

SPLICE DETAIL AT TURNBACK IN LOWER TRANSITION GUIDE RAIL

AFFIX SEAL: ON:	ALTERED BY: ON:
STATE OF NEW YORK · MATTHEW J. SCHOOLEY · LICENSED PROFESSIONAL ENGINEER · No. 069983	

NOTES:

NOTE "E":
HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

LARGE CULVERT REPLACEMENT
ROUTE 51 OVER STEELE CREEK
SH 5466: ILION - CEDARVILLE
TOWN OF LITCHFIELD
COUNTY: HERKIMER REGION: 2

PIN 2LC1.21

BRIDGES 1081000

CULVERTS C230091

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

RAILING DETAILS
(SHEET 4 OF 4)
ROUTE 51 OVER STEELE CREEK

CONTRACT NUMBER D265554

B&L

DRAWING NO. RL-4

SHEET NO. 50

NEW YORK STATE Department of Transportation

DESIGN SUPERVISOR M. SCHOOLEY | JOB MANAGER W. FINCH/B. TREMBLAY | DESIGN R. WOOD | CHECK | DRAFTING P. ZIARKO/M. KRONICKI | CHECK G. WEHBE | PROJECT MANAGER | CHECK M. PATTERSON | W. FINCH

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