RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	1	51

LIST OF VOLUMES

VOLUME 1 - BRIDGE GROUP 17C - NEWELL BRIDGE & SNEECH POND

VOLUME 2 - BRIDGE GROUP 17C - NEWELL BRIDGE NO. 020451

INDEX - VOLUME 1

STATE OF RHODE ISLAND

DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED

STATE HIGHWAY

BRIDGE GROUP 17C - NEWELL AND SNEECH VOLUME 1

190'± TO 410'± NORTH OF THE INTERSECTION OF ROUTE 114 AND ROUTE 120
350'± TO 3,900'± WEST OF THE INTERSECTION OF ROUTE 114 AND ROUTE 120

TOWN OF CUMBERLAND
COUNTY OF PROVIDENCE

R.I. CONTRACT NO. 2024-CB-045 F.A. PROJECT NO. BRO-017C(002)

PAVEMENT STRUCTURES

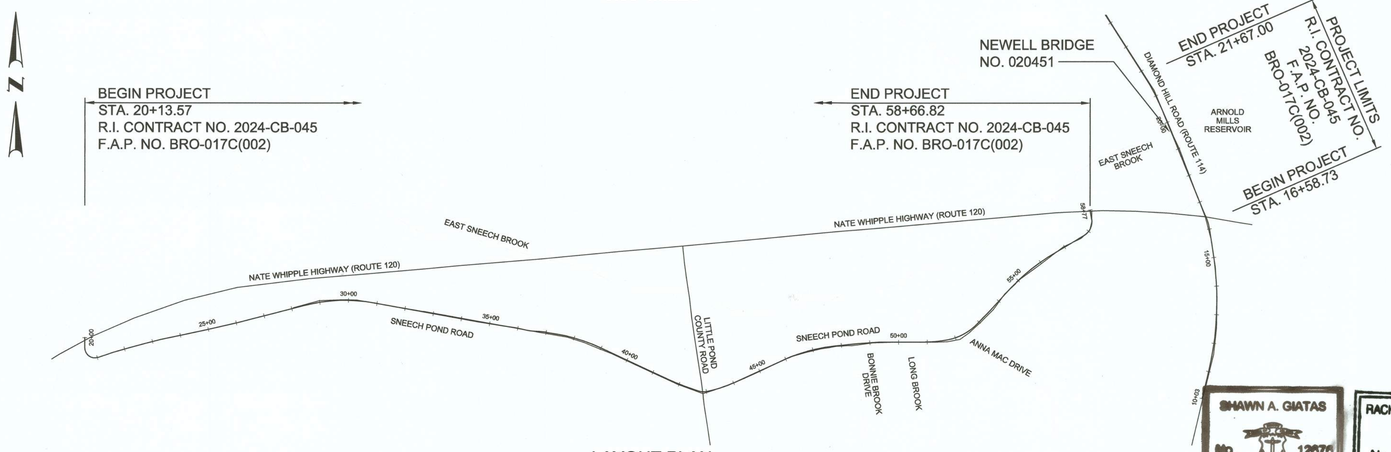
SNEECH POND ROAD
2" MODIFIED CLASS 9.5 HMA
4" CLASS 19.0 HMA
12" GRAVEL BORROW SUBBASE COURSE

SNEECH POND ROAD
2" MODIFIED CLASS 9.5 HMA
3" MODIFIED CLASS 12.5 HMA

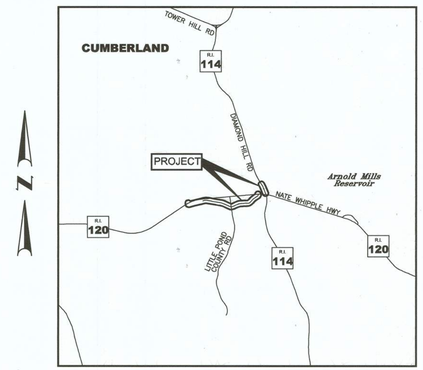
DIAMOND HILL ROAD
3" MODIFIED CLASS 9.5 HMA
6" CLASS 19.0 HMA
12" GRAVEL BORROW SUBBASE COURSE

DIAMOND HILL ROAD
3" MICRO MILL
3" MODIFIED CLASS 9.5 HMA

0.83 MILES



LAYOUT PLAN
SCALE" 1"=250'



LOCATION MAP
SCALE 1"=3600'

N

DESIGN DESIGNATION	ROUTE 114	ROUTE 120
AADT (2023)	10,100 V.P.D.	6,100 V.P.D.
AADT (2048)	11,500 V.P.D.	7,000 V.P.D.
D	55%	50%
K	7.3%	9.0%
T	3.2%	3.2%
DHV (2023)	740 V.P.H.	550 V.P.H.
DHV (2048)	840 V.P.H.	630 V.P.H.
DESIGN SPEED	35 M.P.H.	45 M.P.H.

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FEBRUARY 2024, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.

SCALES OF DRAWINGS

Plans	1	inch = 20	feet	Horizontal
Profiles	1	inch = 20	feet	Horizontal
Profiles	1	inch = 4	feet	Vertical
Cross Sections	1	inch = 4	feet	Horizontal
Cross Sections	1	inch = 4	feet	Vertical

BASE OF LEVELS
NAVD 88
NAD 83 (2011) 2010.00

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

SHAWN A. GIATAS
No. 12676
REGISTERED PROFESSIONAL ENGINEER
CIVIL
SHEETS 1-31, 42-51

RACHEL ANN DOOLEY
No. 11688
REGISTERED PROFESSIONAL ENGINEER (CIVIL) 8/1/24
Sheets 32-41

Contract Number 2024-CB-045
Number of Sheet 1
Total Sheets 51

R.I. DEPARTMENT OF TRANSPORTATION

APPROVED
DIRECTOR, DIVISION OF PROJECT MANAGEMENT — DATE 8/1/24

APPROVED
CHIEF ENGINEER OF INFRASTRUCTURE — DATE 8/1/24

APPROVED
DIRECTOR — DATE 8/1/24

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
DIVISION ADMINISTRATOR — DATE

2602D_V1_001_COVER

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	2	51

EXISTING

	EDGE OF PAVEMENT
	BERM
	CURB
	GUARDRAIL
MB	MAILBOX
NO.	UTILITY POLE
	POLE GUY
	LUMINARE
SIGN	SIGN
(SIZE)SD	SUBDRAIN
(SIZE)D	STORMDRAIN
(SIZE)S	SANITARY SEWER
(SIZE)W	WATER MAIN
(SIZE)G	GAS MAIN
(SIZE)T	TELEPHONE DUCT
(SIZE)E	ELECTRIC DUCT
	PLUG AND CAP PIPE
	ABANDONED UTILITY
	FLARED END SECTION
	HEADWALL
WG OR GG	WATER OR GAS GATE
CB	CATCH BASIN
MH	MANHOLE
HYD	HYDRANT
1+00	BASELINE OR CENTERLINE
EXIST. S.H.L. PLAT NO. XX	STATE HIGHWAY LINE
EXIST. S.F.L. PLAT NO. XX	STATE FREEWAY LINE
EXIST. P.E.B.	PERMANENT EASEMENT LINE
EXIST. T.E.B.	TEMPORARY EASEMENT LINE
P	PROPERTY LINE
CITY NAME / TOWN NAME	CITY OR TOWN LINE
PWW	PAVED WATERWAY
ELEV.	CONTOUR LINE
	OPEN DITCH
R.I.H.B.	R.I. HIGHWAY BOUND
S.B.	STONE BOUND
	RETAINING WALL
	FIELD STONE WALL
NO.	BORINGS
TYPE X	FENCE
	WOOD OR BRUSH LINE
	TREES
(NAME)	RIVER OR STREAM
	WETLAND AREA
NO. TYPE MATERIAL	BUILDING
	FOUNDATION
	BUILDING TO BE REMOVED
	RAILROAD TRACKS
	CUT AND MATCH
	RIP-RAP
	CUT SLOPE
	FILL SLOPE
	ROCK CUT
00.00	SPOT GRADE
	AREA GRADED TO DRAIN
	BALED HAY RI STD 9.1.0
	BALED HAY & SILT FENCE RI STD. 9.3.0
123 124 125	EDGE OF WETLAND
	WETLAND PERIMETER
ASSF	AREA SUBJECT TO STORM FLOW
100 YR. FLOOD BOUNDARY	100-YEAR FLOOD PLAIN
	LIMIT OF DISTURBANCE
	LIMIT OF CLEARING

NEW

	EDGE OF PAVEMENT
	BERM
	CURB
	GUARDRAIL
	MAILBOX
NO.	UTILITY POLE
GUY	POLE GUY
	LUMINARE
	SIGN
N(SIZE)SD	SUBDRAIN
(Length Size)	STORMDRAIN
(Length Size)	SANITARY SEWER
N(SIZE)W	WATER MAIN
N(SIZE)G	GAS MAIN
N-#(SIZE)T	TELEPHONE DUCT
N-#(SIZE)E	ELECTRIC DUCT
	PLUG AND CAP PIPE
	ABANDONED UTILITY
	FLARED END SECTION
	HEADWALL
	WATER OR GAS GATE
	CATCH BASIN
	MANHOLE
	HYDRANT
1+00	BASELINE OR CENTERLINE
NEW S.H.L. PLAT NO. XX	STATE HIGHWAY LINE
NEW S.F.L. PLAT NO. XX	STATE FREEWAY LINE
NEW P.E.B.	PERMANENT EASEMENT LINE
NEW T.E.B.	TEMPORARY EASEMENT LINE
	PROPERTY LINE
	CITY OR TOWN LINE
	PAVED WATERWAY
ELEV.	CONTOUR LINE
	OPEN DITCH
	R.I. HIGHWAY BOUND
	STONE BOUND
	RETAINING WALL
	FIELD STONE WALL
NO.	BORINGS
	FENCE
	WOOD OR BRUSH LINE
	TREES
	RIVER OR STREAM
	WETLAND AREA
	BUILDING
	FOUNDATION
	BUILDING TO BE REMOVED
	RAILROAD TRACKS
	CUT AND MATCH
ROADWAY / TOP OF SLOPE	RIP-RAP
ROADWAY / TOE OF SLOPE	CUT SLOPE
ROCK SHELF / ROCK CUT	FILL SLOPE
	ROCK CUT
00.00	SPOT GRADE
ELEV.	AREA GRADED TO DRAIN
	BALED HAY RI STD 9.1.0
	BALED HAY & SILT FENCE RI STD. 9.3.0
	EDGE OF WETLAND
	WETLAND PERIMETER
	AREA SUBJECT TO STORM FLOW
	100-YEAR FLOOD PLAIN
LIMIT OF DISTURBANCE	LIMIT OF DISTURBANCE
LIMIT OF CLEARING	LIMIT OF CLEARING

1.1.0	UNDERDRAIN
1.3.0	CONCRETE CONNECTING COLLAR
2.1.0	CONCRETE HEADWALLS FOR PIPE CULVERTS
2.2.0	STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0' PIPE CULVERTS
2.3.0 (DIA.)	PRECAST CONCRETE FLARED END SECTION
3.2.0	BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE
3.2.1 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE
3.3.0	BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN
3.3.2	BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN
3.3.3	SOLID BLOCK FLUSH SQUARE CATCH BASIN
3.4.0	BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN
3.4.1	BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET
3.4.2	BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN
3.4.3	BRICK/SOLID BLOCK TYPE "R" CATCH BASIN
3.4.4	SOLID BLOCK FLUSH ROUND CATCH BASIN
3.4.5 (DIA.)	BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN
3.5.0	SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN
3.5.1 (SIZE)	SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN
3.6.0	BRICK/SOLID BLOCK DROP INLET
3.7.0 (DIA.)	BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"
4.2.0	PRECAST 4'-0" ROUND MANHOLE
4.2.1	PRECAST 5'-0" ROUND MANHOLE
4.2.2	PRECAST 6'-0" ROUND MANHOLE
4.3.0 (SIZE)	PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN
4.4.0 (DIA.)	PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN
4.5.0	PRECAST CONCRETE DROP INLET
4.5.1	PRECAST CONCRETE DROP INLET LATERAL OUTLET
4.5.2	PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET
5.3.0	CATCH BASIN AND MANHOLE STEP
5.4.0	CONCRETE COLLARS
6.1.0	LIGHT-DUTY SQUARE FRAME AND ROUND COVER
6.1.1	HEAVY DUTY SQUARE FRAME AND ROUND COVER
6.2.0	LIGHT-DUTY ROUND FRAME AND COVER
6.2.1	HEAVY-DUTY ROUND FRAME AND COVER
6.3.0	SQUARE FRAME AND GRATE
6.3.1	SQUARE FRAME AND GRATE
6.3.2	SQUARE FRAME AND GRATE (BICYCLE SAFE)
6.3.3	HIGH CAPACITY FRAME AND GRATE
6.3.4	HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)
6.4.0	ROUND FRAME AND GRATE
7.1.0S	PRECAST CONCRETE CURB (STRAIGHT)
7.1.0C	PRECAST CONCRETE CURB (CIRCULAR)
7.1.1	3'-0' PRECAST CONCRETE TRANSITION CURB
7.1.2	6'-0" PRECAST CONCRETE TRANSITION CURB
7.1.4	PRECAST 2'-0" RADIUS CORNER
7.1.5	PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)
7.1.6	PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)
7.1.7	PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)
7.1.8	PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)
7.2.0S	PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)
7.2.0C	PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)
7.2.1	PRECAST CONCRETE SLOPED FACE TRANSITION CURB
7.2.2	PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SPLOPED FACE)
7.3.0S	GRANITE CURB (STRAIGHT)
7.3.0C	GRANITE CURB (CIRCULAR)
7.3.2	6'-0" GRANITE TRANSITION CURB
7.3.3	GRANITE WHEELCHAIR RAMP TRANSITION CURB
7.3.4	GRANITE 2'-0" RADIUS CORNER
7.3.5	GRANITE INLET STONE (FOR SQUARE CATCH BASIN)
7.3.6	GRANITE INLET STONE (FOR ROUND CATCH BASIN)
7.3.7	GRANITE APRON STONE (FOR SQUARE CATCH BASIN)
7.3.8	GRANITE APRON STONE (FOR ROUND CATCH BASIN)
7.4.0	GRANITE SLOPED FACE CURB
7.4.1	GRANITE SLOPED FACE TRANSITION CURB
7.4.2	GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)
7.5.0	BITUMINOUS CONCRETE LIP CURB
7.5.1	BITUMINOUS BERM
7.6.0	CURB SETTING DETAIL
8.2.0	BITUMINOUS CONCRETE DITCH
8.3.0	RIP-RAP DITCH
8.4.0	PAVED WATERWAY
9.3.0	BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED
9.4.0	BALED HAY DITCH AND SWALE EROSION CHECK
9.5.0	LOG AND HAY CHECK DAM
9.7.0	DEWATERING BASIN
9.8.0	BALED HAY CATCH BASIN INLET PROTECTION
9.9.0	CONSTRUCTION ACCESS
10.1.0	WET STONE MASONRY RETAINING WALL
10.2.0	RUBBLE MASONRY WALL
10.3.0	CONCRETE RETAINING WALL
10.4.0	STONE MASONRY STEPS
14.1.0	CONCRETE HIGHWAY BOUND
15.1.0	POST AND MOUNTINGS FOR RURAL MAILBOX
15.2.0 (NO.)	POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES
18.2.0	PRECAST TYPE "A" HANDHOLE
18.2.2	HEAVY DUTY TYPE "H" HANDHOLE
18.3.0	ALUMINUM LIGHTING STANDARDS
20.2.0	BI-DIRECTIONAL CONTROL DEVICE
24.6.1	STREET SIGN MOUNTING DETAIL
26.2.0	POLYETHYLENE DRUM WITH MARKINGS
26.3.0	PVC PLASTIC PIPE TYPE III BARRICADE
31.1.0	CHAIN LINK FENCE 3'-0" TO 4'-0"
31.2.0	CHAIN LINK FENCE 5'-0" TO 6'-0"
31.2.1	CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST
31.3.0	WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)
34.1.0	ROADSIDE GUARDRAIL (GENERAL NOTES, INSTALLATION, POST & OFFSET BLOCK DETAILS)
34.1.1	TYPICAL GUARDRAIL INSTALLATION AT STRUCTURES
34.1.2	STEEL BEAM GUARDRAIL ENCASED POST FOR SHALLOW INSTALLATION
34.1.3	STEEL BEAM GUARDRAIL DEEP POST INSTALLATION
34.1.4	STEEL BEAM GUARDRAIL INSTALLED IN CONCRETE OR HMA SURFACE
34.2.0	STEEL BEAM GUARDRAIL, TL-3
34.2.1	STEEL BEAM GUARDRAIL, TL-2
34.2.2	STEEL BEAM GUARDRAIL DOUBLE FACE ASSEMBLY
34.2.5	STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR
34.3.0	STEEL BEAM GUARDRAIL APPROACH END TREATMENT
34.3.1	STEEL BEAM GUARDRAIL TERMINAL END SECTION
34.3.2	STEEL BEAM GUARDRAIL ANCHORAGE TRAILING END SECTION
34.3.3	STEEL BEAM GUARDRAIL THRIE BEAM TRANSITION PANEL
34.3.4	STEEL BEAM GUARDRAIL CONNECTION TO NEW END POST
34.3.5	GUARDRAIL CONNECTION TO EXISTING END POST APPROACH END SECTION
34.3.6	GUARDRAIL CONNECTION TO EXISTING END POST TRAILING END SECTION
34.3.7	STEEL BEAM GUARDRAIL TRANSITION TO RIGID BARRIER
34.3.8	MASH GUARDRAIL TRANSITION TO EXISTING GUARDRAIL
34.3.9	STEEL BEAM GUARDRAIL LONG SPAN, TL-3
34.5.3	STEEL THRIE BEAM GUARDRAIL SINGLE FACE
34.5.4	STEEL THRIE BEAM GUARDRAIL DOUBLE FACE
34.5.5	STEEL THRIE BEAM GUARDRAIL LONG SPAN
40.1.0	F SHAPE CONCRETE BARRIER DOUBLE FACE
40.2.0	F SHAPE CONCRETE BARRIER SINGLE FACE
40.2.1	F SHAPE CONCRETE BARRIER WITH CONCRETE SEPARATOR
40.3.0	PRECAST MEDIAN BARRIER TRANSITION UNIT
40.4.0	PRECAST MEDIAN BARRIER FOR LIGHT STANDARD
40.5.0	BARRIER MOUNTED DELINEATOR
40.2.1	SINGLE-FACED PRECAST MEDIAN BARRIER
40.3.0	PRECAST MEDIAN BARRIER TRANSITION UNIT
40.5.0	BARRIER MOUNTED DELINEATOR
43.1.0	CEMENT CONCRETE SIDEWALK
43.2.0	BITUMINOUS CONCRETE SIDEWALK
43.3.0	WHEELCHAIR RAMP
43.3.1	WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS
43.4.0	DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB
43.4.1	DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB
43.5.0	CEMENT CONCRETE DRIVEWAYS
48.1.0	DETECTABLE WARNING SYSTEM
51.1.0	TREE PROTECTION DEVICE
51.1.1	DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES
51.2.0	SHRUB PROTECTION DEVICE
51.3.0	TREE WELL
51.4.0	TREE WALL
AB	ADJUST CATCH BASIN TO GRADE
ABM	ADJUST CATCH BASIN TO MANHOLE
AC	ADJUST CURB STOP TO GRADE
AD	ADJUST DRAINAGE MANHOLE TO GRADE
AE	ADJUST ELECTRIC MANHOLE TO GRADE
AFC	ADJUST FRAME AND COVER TO GRADE
AFG	ADJUST FRAME AND GRATE TO GRADE
AG	ADJUST GAS GATE BOX TO GRADE
AHH	ADJUST HANDHOLE TO GRADE
AS	ADJUST SANITARY SEWER MANHOLE TO GRADE
AT	ADJUST TELEPHONE MANHOLE TO GRADE
AW	ADJUST WATER GATE BOX TO GRADE
BCD	BITUMINOUS CONCRETE DRIVEWAY 3" CLASS 9.5 HMA 8" GRAVEL BORROW SUBBASE COURSE
BPS	BUILD NEW STRUCTURE OVER EXISTING PIPE
CCB	CLEAN CATCH BASIN
CCP	CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
CFP	CLEAN AND FLUSH PIPE
CG	CLEARING AND GRUBBING
CMH	CLEAN MANHOLE
CP (DEPTH)	COLD PLANE
CPP	CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
DB	REMOVE AND DISPOSE BITUMINOUS CURB
DC	REMOVE AND DISPOSE CONCRETE CURB
DCB	REMOVE AND DISPOSE CATCH BASIN
DDI	REMOVE AND DISPOSE DROP INLET
DF	REMOVE AND DISPOSE FENCE
DFC	REMOVE AND DISPOSE FRAME AND COVER
DFE	REMOVE AND DISPOSE FLARED END SECTION
DFG	REMOVE AND DISPOSE FRAME AND GRATE
DFH	REMOVE AND DISPOSE FIRE HYDRANT
DFP	REMOVE AND DISPOSE FLEXIBLE PAVEMENT
DG	REMOVE AND DISPOSE GUARDRAIL
DH	REMOVE AND DISPOSE HEADWALL
DHB	REMOVE AND DISPOSE HIGHWAY BOUND
DHH	REMOVE AND DISPOSE HANDHOLE
DL	REMOVE AND DISPOSE LIGHT AND FOUNDATION
DMB	REMOVE AND DISPOSE MEDIAN BARRIER
DMH	REMOVE AND DISPOSE MANHOLE
DMM	REMOVE AND DISPOSE MEDIAN MARKER
DOW	REMOVE AND DISPOSE OBSERVATION WELL
DP	REMOVE AND DISPOSE PIPE
DPB	REMOVE AND DISPOSE PAVEMENT AND RIGID BASE
DRB	REMOVE AND DISPOSE RIGID BASE
DS	REMOVE AND DISPOSE SIGN
DSS	REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
DSW	REMOVE AND DISPOSE SIDEWALK
DTD	REMOVE AND DISPOSE TELEPHONE DUCT BANKS
DUP	REMOVE AND DISPOSE UTILITY POLE
DWW	REMOVE AND DISPOSE PAVED WATERWAY
FF	FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
GET	FLARED GUARDRAIL END TREATMENT
IA	IMPACT ATTENUATOR
IDL	IMPERVIOUS DITCH LINER
LOD	LIMIT OF DISTURBANCE
LOR	LIMIT OF REGRADING
LS	4" LOAM AND SEED
NFH	NEW FIRE HYDRANT WITH GATE VALVE
NIC	NOT IN THIS CONSTRUCTION CONTRACT
NWB	FURNISH AND INSTALL NEW WATER GATE VALVE BOX
NWVB	FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX
NWCB	FURNISH AND INSTALL NEW WATER CURB STOP BOX
NWSB	FURNISH AND INSTALL NEW WATER CURB STOP AND BOX
PCD	PERMANENT CHECK DAM
PS	4" PLANTABLE SOIL AND SEED
RCB	RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET
RCM	R.I.D.O.T. COMMUNICATIONS MANHOLE
RHH	REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)
RLP	RELOCATE LAMP POST
RMB	RELOCATE MAILBOX (BY OTHERS)
RPM	REMOVE PAVEMENT MARKINGS
RRP	RIP-RAP PAD (SEE DETAIL)
RRS	REMOVE AND RELOCATE SIGN
RUP	RELOCATE UTILITY POLE (BY OTHERS)
SB	STONE BAFFLE
SBAE	STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)
SBTE	STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)
SD-	STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION
SF	REMOVE AND STOCKPILE FENCE
SGA	SPECIAL GRADED AGGREGATE
SGC	REMOVE AND STOCKPILE GRANITE CURB
SGR	REMOVE AND STOCKPILE GUARDRAIL
SH	REMOVE AND STOCKPILE HYDRANT
SS	REMOVE AND STOCKPILE SIGN
STS	REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM
TB	CONCRETE THRUST BLOCK
TEP	TIE EXISTING PIPE INTO NEW STRUCTURE
TNP	TIE NEW PIPE INTO EXISTING STRUCTURE
TBT	THRIE BEAM TRANSITION
TBBC	THRIE BEAM BRIDGE CONNECTION
TT	TREE TRIMMING
WCM	4" WOOD CHIP MULCH
4DY	4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW
6W	6" EPOXY RESIN PAVEMENT MARKINGS - WHITE
12W	12" EPOXY RESIN PAVEMENT MARKINGS - WHITE
6WT	6" PREFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE)
4Y	4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
6Y	6" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
P.G.L.	PROFILE GRADE LINE

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 2
OF: 51

SCALE: NOT TO SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
1	6/07	TRB			
2	12/22	RS			

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

STANDARD PLAN SYMBOLS & STANDARD LEGEND

2602D_V1_002_STDSYM

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	3	51

GENERAL NOTES:

1. ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, DRAINAGE STRUCTURES, DRAINAGE PIPES, INFILTRATION AREAS, ROADSIDE, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

2. THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.05 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION. EQUIPMENT AND MATERIAL SHALL NOT BE STORED IN AREAS DESIGNATED FOR STORMWATER INFILTRATION OR OUTSIDE THE L.O.D. WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT DISTURBED OR OBLITERATED BEFORE SURVEY GROUND CONTROL POINTS ARE LOCATED, VERIFIED, AND DEEMED ADEQUATE FOR CONSTRUCTION LAYOUT. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING THE CONTRACTOR TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION ACTIVITIES UNTIL ADEQUATE SURVEY GROUND CONTROL POINTS HAVE BEEN ESTABLISHED, TIED DOWN, AND VERIFIED IN WRITING BY THE CONTRACTOR'S PROFESSIONAL LAND SURVEYOR.

4. ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.

5. THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE DETERMINED BY THE CONTRACTOR TO MEET THE REQUIREMENTS OF SECTION 907.

6. ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

7. ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLANED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 7 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE INCIDENTAL TO THE APPLICABLE PAVEMENT ITEMS.

8. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE SHALL BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT ITS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED.

9. THE CONTRACTOR WILL NOT BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.

10. CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. CLEANING WITH COMPRESSED AIR SHALL ONLY BE ALLOWED WITH THE APPROVAL OF THE ENGINEER.

11. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS AND SHOP DRAWINGS OR AS MODIFIED BY THE ENGINEER.

12. THE COORDINATE SYSTEM, IF SHOWN, IS THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM.

13. PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKY-TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVER FOR CONTROLLING GRADE.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO MAINTAIN THE SAFE TRAVEL OF THE PUBLIC AT NO ADDITIONAL COST TO THE STATE.

15. NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.

16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO NEW AND EXISTING DRAINAGE STRUCTURES HAS BEEN PROPERLY ESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; ANY CORRECTIVE ACTION SHALL BE CONSIDERED INCIDENTAL TO PAVING AND COLD PLANING OPERATIONS.

17. ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. ALSO, EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.

18. IF THIS PROJECT IS ON A HURRICANE EVACUATION AND DIVERSIONARY ROUTE, AS DESIGNATED ON THE COVERSHEET, THE CONTRACTOR IS ADVISED THAT UPON 12 (TWELVE) HOURS NOTICE THE ROADWAY SHALL BE OPEN TO EVACUEES AND EMERGENCY PERSONNEL. ANY EXTRA WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT WILL BE REIMBURSED UNDER FORCE ACCOUNT PROCEDURES.

19. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM). AND/OR THE ARMY CORPS OF ENGINEERS (ACOE). AND/OR THE COASTAL RESOURCES MANAGEMENT COUNCIL (CRMC). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).

GENERAL NOTES (CONTINUED):

20. FOR ALL PROJECTS INVOLVING KNOWN SITE REMEDIATION ISSUES, THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE CONSTRUCTION RELATED PROVISIONS, CONDITIONS, AND STIPULATIONS OF ANY REMEDIAL ACTION WORK AND/OR SOIL MANAGEMENT PLANS DEVELOPED FOR THE PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH COMPLIANCE WITH THESE DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).

21. NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. HEADWALL, DRAINAGE INLET, ETC.

22. THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE MAY NOT PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.

DRAINAGE AND EROSION CONTROL NOTES:

1. THE CONTRACTOR IS REQUIRED TO ADHERE WITH THE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ORDER TO REMAIN IN COMPLIANCE WITH THE RIPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS OF THE GENERAL PERMIT AND THE SITE-SPECIFIC SWPPP FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWPPP AS SITE CONDITIONS WARRANT. A COPY OF THE SWPPP MUST BE ON-SITE AT ALL TIMES. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS.

2. NO UNDISTURBED AREAS SHALL BE GRUBBED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE RESTABILIZED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.

3. STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODIBLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES TO STABILIZE. STOCKPILES OF CONTAMINATED MATERIALS MUST BE PLACED ON TOP OF A POLY-ETHYLENE SHEET AND COVERED AT ALL TIMES UNLESS IT IS AN ACTIVE WORKING PILE.

4. IF THE PLANS INCLUDE SPECIFIC AREAS FOR PLACEMENT OF CONSTRUCTION DEWATERING BASINS AND/OR EQUIPMENT AND MATERIALS STORAGE AND STOCKPILING, AND IF THE CONTRACTOR ELECTS TO UTILIZE ANY OTHER AREAS FOR THESE PURPOSES, THIS SHALL BE APPROVED BY THE ENGINEER ONLY AFTER OBTAINING ANY NECESSARY PERMITS AND/OR PERMIT MODIFICATIONS FROM THE APPROPRIATE REGULATORY AUTHORITY(IES). ANY PERMITTING REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE ACCOMPLISHED AT NO COST TO THE STATE. THE ENGINEER WILL COORDINATE SUBMISSION OF ANY REQUIRED PERMIT APPLICATION MATERIALS WITH THE R.I.D.O.T. ENVIRONMENTAL DIVISION.

5. SURFACE EROSION CONTROL MATTING SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.

6. SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.

   a. SEEDING TYPE I.

   b. ADHESIVE MULCH STABILIZER

7. UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.

8. PRIOR TO CONSTRUCTION OPERATIONS, THE CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL CATCH BASINS AND FLUSHING THE PIPES, AND THEN VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED. ANY VARIATION FOUND FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION.

9. ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.

10. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EFFICACY OF THE DRAINAGE SYSTEM. ONCE CONSTRUCTION IS COMPLETED THE CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL CATCH BASINS AND FLUSHING ALL PIPES OF ANY CONSTRUCTION RELATED DEBRIS AT NO ADDITIONAL COST.

11. CATCH BASIN RIM GRADES FOR STRUCTURES NOT IN A TRAVEL LANE NOTED ON PLANS ARE DEPRESSED 0.1' LOWER THAN THE GUTTER GRADE. RIM ELEVATIONS SHOWN ARE FINAL GRADES. THE CONTRACTOR SHALL PLACE FRAMES AND GRATES 0.1' BELOW THE GRADE CONSTRUCTED IN THIS CONTRACT OR AS DIRECTED BY THE ENGINEER.

12. PROVISIONS FOR CLEARING TO ACCESS OUTFALLS DURING THE CLEANING AND FLUSHING OF THE CLOSED DRAINAGE SYSTEM SHALL STRICTLY ADHERE TO THE PLANS AND SPECIFICATIONS.

13. THE CONTRACTOR SHALL INSTALL ALL SEDIMENT AND EROSION CONTROL DEVICES FOR OUTLET PROTECTION PRIOR TO CLEANING AND FLUSHING STORM WATER DRAINAGE. SEDIMENT AND EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL FLUSHED SEDIMENTS ARE REMOVED. AT ALL OUTFALL LOCATIONS WHERE PIPES ARE TO BE CLEANED AND FLUSHED, OUTLET PROTECTION (R.I. STD. 9.1.0 OR 9.3.0) SHALL BE INSTALLED TO TRAP SEDIMENTS. THESE SEDIMENTS SHALL THEN BE REMOVED AND DISPOSED OF LEGALLY BEFORE THE OUTLET PROTECTION DEVICES ARE REMOVED. IF OUTLET PROTECTION AT THE OUTFALL IS NOT FEASIBLE, THEN THE OUTLET PIPE OF THE LAST DRAINAGE STRUCTURE TO BE CLEANED SHALL BE PLUGGED TO CAPTURE ALL MATERIALS FLUSHED FROM PIPES. AFTER THE MATERIALS ARE REMOVED FROM THE DRAINAGE STRUCTURE, THE OUTLET SHALL BE UNPLUGGED TO RESUME NORMAL FUNCTIONING.

14. R.I. STD. 9.8.0 BALED STRAW INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ABUTTING GROUND SURFACES ARE STABILIZED.

15. WHERE BALED STRAW INLET PROTECTION AND SILT FENCES ARE USED AT CATCH BASINS, THEY SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.

DRAINAGE AND EROSION CONTROL NOTES (CONTINUED):

16. DETENTION AND RETENTION BASINS MAY BE ROUGH GRADED AND STABILIZED WITH VEGETATION AND/OR OTHER EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO USE AS TEMPORARY SEDIMENTATION BASINS DURING PROJECT CONSTRUCTION. FINAL BASIN CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL SOURCES OF SEDIMENT HAVE BEEN REMOVED AND INFILTRATION IS REESTABLISHED, FINAL ROADSIDE VEGETATION IS ESTABLISHED AND USE OF TEMPORARY BASINS IS NO LONGER REQUIRED TO COMPLY WITH THE PLANS, SPECIFICATIONS, AND PERMITS. ANY ISSUES RELATING TO EROSION AND/OR SEDIMENT TRANSPORT INTO WETLAND AREAS RESULTING FROM SUCH USE OF SEDIMENTATION BASINS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CORRECTIVE ACTION AND COSTS REQUIRED TO RESOLVE SUCH ISSUES IS THE RESPONSIBILITY OF THE CONTRACTOR.

17. THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.

18. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.

19. ALL COMPOST FILTER SOCK, STRAW BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.

20. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE STATE.

21. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.

22. ALL COSTS ASSOCIATED WITH ADHERENCE TO THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEMS. ADDITIONAL SEDIMENT AND EROSION CONTROLS, SHALL BE INSTALLED IN ACCORDANCE WITH THE SWPPP REPORT. THESE ADDITIONAL ITEMS WILL BE PAID AT THE UNIT PRICE FOR THAT BID ITEM.

23. ANY OBSERVATIONS OF ILLICIT CONNECTIONS OR DISCHARGES TO RIDOT'S DRAINAGE NETWORK OR OUTFALLS SHALL BE REPORTED TO THE RIDOT STORMWATER UNIT IMMEDIATELY.

UTILITY NOTES:

1. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.

2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39-1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.

3. ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.

4. EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.

5. UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.

6. FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.

7. ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.

8. ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.

9. THE CONTRACTOR SHALL PROVIDE 72-HOUR ADVANCE NOTICE TO THE RIDOT TMC (401-222-2378) FOR WORK AROUND RIDOT OWNED INFRASTRUCTURE (DRAINAGE, LIGHTING, ITS EQUIPMENT, TOLL GANTRIES, COUNTING STATIONS, ETC.). ANY DAMAGE TO THIS INFRASTRUCTURE MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT RIDOT IN ADVANCE, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 3
OF: 51

SCALE: NOT TO SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
1	4/07	TRB	4	12/22	JRP
2	3/10	RBH			
3	4/14	MLP			

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

STANDARD NOTES - 1

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	4	51

LANDSCAPE NOTES:

1. ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (A RECOGNIZED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION. ALL PLANT MATERIAL MUST BE NURSERY GROWN; NO PLANTATION GROWN PLANT MATERIAL WILL BE ACCEPTED.
2. ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION MUST BE APPROVED IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
4. COORDINATE WITH THE R.I.D.O.T. CONSTRUCTION MANAGER PRIOR TO ALL TRIMMING AND CLEARING NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS.
5. ANY TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM TO SECTION M.18 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
6. ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
7. ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
8. PROVIDE A MINIMUM 6'-8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.
9. THE CONTRACTOR SHALL PROVIDE CERTIFICATION THAT THERE ARE NO CONTAMINANTS THAT EXCEED THE R.I.D.E.M. PERMISSIBLE LEVELS IN THE SOILS USED AS LOAM OR PLANTABLE SOIL.

STRUCTURAL NOTES FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS:

GENERAL

1. ALL SUPPORT DESIGNS AND ASSOCIATED SHOP DRAWING REVIEWS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION AND REVISIONS, OF THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS, INCLUDING THE LATEST INTERIM SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

CONSTRUCTION DRAWINGS AND DETAILS

1. THE FOLLOWING NOTES SHALL BE INCLUDED ON ALL PLANS AND/OR SHOP DRAWINGS IN REFERENCE TO ANCHOR BOLTS:
   - "PRETENSIONING OF ALL ANCHOR NUTS IS REQUIRED, AND SHALL BE ACCOMPLISHED BY TIGHTENING TO 1/6TH TURN BEYOND THE SNUG-TIGHT POSITION."
   - "THE MAXIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LEVELING NUTS AND THE TOP OF THE CONCRETE IS CRITICAL AND SHALL NOT EXCEED THE AMOUNT SPECIFIED ON THIS DRAWING."
2. THE USE OF GROUT UNDER BASE PLATES SHALL GENERALLY NOT BE PERMITTED. IF SPECIFIC CONDITIONS WARRANT ITS USE, THE GROUT SHALL NOT BE CONSIDERED LOAD CARRYING; LOADS SHALL BE DIRECTLY SUPPORTED BY THE ANCHOR BOLTS. ADEQUATE DRAINAGE SHALL BE PROVIDED.
3. THE DAMPENING EFFECTS OF VIBRATION MITIGATION DEVICES SHALL NOT BE CONSIDERED IN THE DESIGN OF STRUCTURAL SUPPORTS FOR SIGNS AND TRAFFIC SIGNALS. IF THE CONTRACTOR CHOOSES TO USE THESE DEVICES FOR WARRANTY PURPOSES, THE TYPE OF DEVICES PROPOSED SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO FABRICATION OF SUPPORTS.

TRAFFIC SIGNAL NOTES:

1. ALL SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE R.I.D.O.T. MAINTENANCE HEADQUARTERS, 360 LINCOLN AVENUE, WARWICK, RHODE ISLAND, 02888. THE COST FOR DELIVERY IS CONSIDERED INCIDENTAL TO THE WORK.
2. BACK PLATES SHALL BE INSTALLED ON ALL TRAFFIC SIGNAL HEADS.
3. THE CONTRACTOR SHALL SUPPLY AND INSTALL ON THE UPPER LEFT HAND CORNER OF THE BACK OF THE CONTROLLER CABINET DOOR A LAMINATED INTERSECTION GRAPHIC, AND TABLE DEPICTING THE TRAFFIC DETECTOR RELAY CHANNEL ASSIGNMENTS. THE DIAGRAM SHALL BE A GRAPHIC OF THE INDIVIDUAL INTERSECTION ORIENTED SIMILAR TO THE PLANS SHOWING THE LOCATIONS OF EACH OF THE LOOP DETECTORS. THE DIAGRAM SHALL, AT A MINIMUM, INCLUDE DETECTOR NUMBERS, STREET NAME LABELS, NORTH ARROW, AND CONTROLLER CABINET LOCATION. THE ASSIGNMENT INFORMATION SHALL BE INCLUDED IN A TABLE WHICH SHALL INCLUDE, AT A MINIMUM, THE APPROACH NAME, DETECTOR NUMBER, TERMINAL NUMBER, DETECTOR RACK SLOT NUMBER, RELAY NUMBER, RELAY CHANNEL NUMBER, AND PHASE ASSOCIATED WITH EACH DETECTOR.
4. TRAFFIC CONTROLLER CABINETS, UNLESS OTHERWISE NOTED, SHALL BE NEMA TS2 TYPE 1 CABINET SIZE 6 ("P" TYPE) WITH NOMINAL DIMENSIONS OF 52"Hx44"Wx24"D.
5. ALL DELAY AND EXTENSION TIMES, AS CALLED FOR ON THE PLANS, FOR PROPOSED LOOP DETECTORS SHALL BE PROGRAMMED IN THE TRAFFIC SIGNAL CONTROLLER AND NOT THE DETECTOR RELAY.
6. INSULATED GROUND WIRE SHALL BE PLACED IN ALL PVC CONDUITS AND SHALL BE BONDED TO GROUND RODS IN ACCORDANCE WITH SECTION T.03 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. THE FINAL POSITION OF SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, DETECTORS, AND STOP LINE AND CROSSWALK PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD ACCORDING TO ACTUAL INTERSECTION CHARACTERISTICS.
8. A 2' MINIMUM BUFFER SHALL BE PROVIDED BETWEEN THE CURB AND ALL LATERAL OBSTRUCTIONS (INCLUDING ALL SIGNAL POLES AND TRAFFIC/PEDESTRIAN SIGNAL HEADS) TO PROVIDE ADEQUATE CLEARANCE FOR TURNING VEHICLES.
9. ALL FOUNDATIONS MUST HAVE CONES OR BARRELS BOLTED TO FOUNDATION BASES UNTIL ACTUAL POLE IS INSTALLED.
10. WHEN PLACING TRAFFIC SIGNAL HANDHOLES OR CONDUIT IN EXISTING PORTLAND CEMENT CONCRETE SIDEWALKS, THE ENTIRE SIDEWALK SQUARE OF CONCRETE SHALL BE REPLACED IN ACCORDANCE WITH R.I. STD. 43.1.0. NO PATCHES WILL BE ALLOWED.
11. ALL PEDESTRIAN PUSHBUTTONS SHALL BE COMPLIANT WITH "THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES" (ADAAG) AND SHALL INCLUDE A PRESSURE-ACTIVATED (NON-MOVING) BUTTON. SIGNS APPLICABLE TO PUSHBUTTON ACTUATION SHALL BE INSTALLED SUCH THAT THE CROSSING ASSIGNED TO EACH BUTTON IS CLEARLY INDICATED. IF SITE CONDITIONS DO NOT ALLOW PEDESTRIAN PUSHBUTTONS TO BE INSTALLED WHERE CALLED FOR ON THE PLANS, THE R.I.D.O.T. TRAFFIC ENGINEERING UNIT SHALL BE CONSULTED WITH THROUGH AN R.F.I. PRIOR TO INSTALLING THE PUSHBUTTONS. THE FINAL PLACEMENT OF ALL PEDESTRIAN PUSHBUTTONS SHALL BE IN ACCORDANCE WITH ADAAG AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
12. ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
13. ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
14. TRAFFIC SIGNAL CONTROLLERS AND CABINETS SHALL BE PROGRAMMED AND WIRED SO THAT ANY FIRE PRE-EMPTION SHALL OVERRIDE MANUAL (PUSH BUTTON) OPERATION.
15. THE CONTRACTOR SHALL WORK CONTINUOUSLY TO RESTORE TRAFFIC SIGNAL OPERATION TO ITS INTENDED PURPOSE WHEN REPLACING THE TRAFFIC SIGNAL EQUIPMENT. A POLICE DETAIL IS REQUIRED TO DIRECT TRAFFIC AT THE INTERSECTION AT ALL TIMES WHEN THE TRAFFIC SIGNAL IS INOPERATIVE. AT NO TIME SHALL THE CONTRACTOR LEAVE THE SITE BEFORE RESTORING FULL TRAFFIC OPERATIONS.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
4. ADVANCE FLAGPERSON SIGNS (W20-7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
5. POLICE OFFICERS AND FLAGPERSONS SHALL BE UTILIZED AS OUTLINED IN SECTIONS 913 & 914 OF THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
6. POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
7. ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
8. TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION."
9. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT-OF-WAY ONLY IN AREAS BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
10. TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
11. THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. APPROVED PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD-PLANED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT. FAILURE TO COMPLY WILL RESULT IN AN ASSESSMENT OF A CHARGE AS OUTLINED IN SECTION 937 OF THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

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NO.	DATE	BY	NO.	DATE	BY
1	4/07	TRB	4	12/22	JRP
2	11/07	TRB			
3	3/10	RBH			

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

STANDARD NOTES - 2

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	5	51

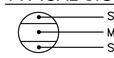
JOB SPECIFIC LEGEND:

- (20.3.0) PAVEMENT MARKINGS - CROSSWALKS (10' WIDTH)
- (CFS) COMPOST FILTER SOCK
- (DPFP) REMOVE AND DISPOSE FLEXIBLE PAVEMENT AND PARTIAL GRAVEL BORROW
  2.0" REMOVE AND DISPOSE FLEXIBLE PAVEMENT
  3.0" REMOVE AND DISPOSE GRAVEL BORROW
- (FDP) FULL DEPTH PAVEMENT (DIAMOND HILL ROAD)
  3.0" MODIFIED CLASS 9.5 HMA
  6.0" CLASS 19.0 HMA
  12.0" GRAVEL BORROW SUBBASE
- (FDP1) FULL DEPTH PAVEMENT (SNEECH POND ROAD)
  2.0" MODIFIED CLASS 12.5 HMA
  4.0" CLASS 19.0 HMA
  12.0" GRAVEL BORROW SUBBASE
- (GDG) GUARDRAIL DELINEATOR - GREEN
- (GDR) GUARDRAIL DELINEATOR - RED
- (IP) INLET PROTECTION
- (MO) MICRO MILL
  3.0" MICRO MILLING
  OVERLAY
  3.0" MODIFIED CLASS 9.5 HMA
- (OV) OVERLAY
  2.0" MODIFIED CLASS 9.5 HMA
  3.0" MODIFIED CLASS 12.5 HMA
- (PMG) PLACEMENT OF MILLINGS BELOW GUARDRAIL
- (RDS) RECONSTRUCT DRAINAGE STRUCTURE
- (SWTD-X)(4') STORM WATER TREATMENT DEVICE - NUMBER

JOB SPECIFIC LINE LEGEND:

- COMPOST FILTER SOCK
- DETECTABLE WARNING PANEL (R.I. STD. 48.1.0)

TYPICAL SIGN DESIGNATION SYMBOL



24.2.0 = R.I. STD. 24.2.0

GENERAL NOTES - PAVEMENT, SIDEWALK, AND CURBING

1. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO BUILDINGS, WALLS, FENCES ABUTTING SIDEWALKS AND DRIVEWAYS DESIGNATED FOR REPLACEMENT. WHERE REQUIRED, NEW SIDEWALKS AND DRIVEWAYS SHALL MEET SAID BUILDINGS, WALLS, AND FENCES. PRIOR TO REMOVAL, A SAWCUT SHALL BE PROVIDED IN ALL SIDEWALK AND DRIVEWAY TO BE REMOVED, A DISTANCE TO BE DETERMINED BY THE ENGINEER (6 INCHES MINIMUM) OF SIDEWALK OR DRIVEWAY SHALL BE REMOVED WITH CAUTION UNDER THE ENGINEER'S SUPERVISION. THERE WILL BE NO ADDITIONAL PAYMENT FOR LABOR OR EQUIPMENT NECESSARY TO MEET THIS "REMOVE WITH CAUTION " REQUIREMENT.

DRAINAGE AND EROSION CONTROL NOTES

1. COMPOST FILTER SOCK SHALL BE USED FOR PERIMETER EROSION CONTROLS AND SILT FENCE SHALL BE USED FOR TURBIDITY CONTROL AS NEEDED TO ADHERE TO THE SWPPP AND RIDEM REGULATIONS. CONTRACTOR SHALL PLACE COMPOST FILTER SOCK OR SILT CURTAIN AS NEEDED OR AS DIRECTED BY THE ENGINEER DEPENDENT ON THE CONSTRUCTION PHASING.
2. ALL RIM ELEVATIONS SHOWN ON THE PLANS ARE SURFACE ELEVATION, RIMS SHALL BE CONSTRUCTED 0.1' BELOW THE RIM ELEVATION INDICATED ON THE PLANS. (THIS NOTE CLARIFIES DRAINAGE AND EROSIONS CONTROL NOTE 11 ON STANDARD NOTES-1).
3. ALL REINFORCED CONCRETE DRAINAGE PIPES SHALL BE CLASS III UNLESS OTHERWISE NOTED ON THE PLANS.
4. PIPE INVERTS AND SLOPES PROVIDED ARE CONCEPTUAL. FINAL DESIGNER TO PROVIDE PIPE CALCULATIONS TO VERIFY PRELIMINARY DESIGNS.

GENERAL NOTES - PAVEMENT MARKINGS:

1. ALL PERMANENT PAVEMENT MARKINGS FOR THIS PROJECT SHALL BE EPOXY RESIN. PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE NO SOONER THAN 2 WEEKS BUT NO LONGER THAN 4 WEEKS FROM COMPLETION OF PAVING OPERATIONS.
2. THE LOCATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2023 EDITION.
3. WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS, EXISTING MARKINGS SHALL BE REMOVED BY METHOD APPROVED BY THE RIDOT. THE COST OF PAVEMENT MARKING REMOVAL SHALL BE CONSIDERED INCIDENTAL TO ITEM CODE T20.0101 PAVEMENT MARKINGS.
4. LIMITS OF PROPOSED PAVEMENT MARKINGS SHALL MEET EXISTING STRIPING, UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL VERIFY AND RECORD PAVEMENT MARKING LOCATIONS PRIOR TO ANY PAVEMENT REMOVAL. MARKINGS SHALL BE REPLACED IN ORIGINAL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. FAST-DRYING WATERBORNE TRAFFIC MARKINGS SHALL BE USED ON MICRO MILLED SURFACES AND INTERMEDIATE PAVEMENT LAYERS WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.
7. TEMPORARY WATERBORNE PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE LAYER WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.

GENERAL NOTES - SIGNS:

1. ALL NEW DIRECTIONAL, REGULATORY, WARNING, GUIDE SIGNS AND PARKING SIGNS SHALL HAVE SIGN SUPPORTS. UNLESS OTHERWISE INDICATED, SIGN MOUNTINGS SHALL BE R.I. STD. 24.2.0 OR 24.6.0 AS APPROPRIATE.
2. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE RIDOT.
3. ALL PROPOSED SIGNS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 7' OVER THE SIDEWALK.
4. ALL SIGN RADII AND BORDERS SHALL BE AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED.

GENERAL NOTES

1. ALL ITEMS NOT REFERENCED FOR MODIFICATIONS WILL BE CONSIDERED "EXISTING TO REMAIN" UNLESS OTHERWISE NOTED.
2. GUARDRAIL POSTS SHALL NOT BE PLACED IN OR THROUGH EXISTING OR PROPOSED DRAINAGE FEATURES INCLUDING BUT NOT LIMITED TO PAVED WATERWAYS, DRAINAGE PIPES AND DRAINAGE STRUCTURES. FINAL DESIGNER SHALL EVALUATE THE NEED FOR LONG SPANS BASED OFF EXISTING AND PROPOSED POST SPACING.
3. EXISTING DELINEATORS WITHIN THE PROJECT LIMITS MAY NEED TO BE REMOVED AND RESET DUE TO THE INSTALLATION OF THE NEW GUARDRAIL RUN. THE CONTRACTOR SHALL REMOVE AND RESET DELINEATORS WHERE THEY CONFLICT WITH THE PROPOSED GUARDRAIL TO THE DIMENSIONS AND SPACING AS SHOWN ON SIGNING & STRIPING DETAILS PLAN AND IN CHAPTER 3G OF THE MUTCD. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF GUARDRAIL INSTALLATION.
4. EXISTING DELINEATORS THAT ARE DETERMINED BY THE ENGINEER TO BE MISSING OR DAMAGED SHALL BE REPLACED TO THE DIMENSIONS AND SPACING AS SHOWN ON SIGNING & STRIPING DETAILS PLAN AND IN CHAPTER 3G OF THE MUTCD. EXISTING DELINEATORS THAT ARE DETERMINED BY THE ENGINEER TO NO LONGER BE NEEDED SHALL BE REMOVED AND DISPOSED. THIS WORK SHALL BE PAID FOR UNDER THE RESPECTIVE BID ITEMS "REMOVAL AND DISPOSAL OF MISCELLANEOUS OBJECTS" AND "DELINEATORS."

GENERAL NOTES - SURVEY

1. FIELD SURVEY WORK WAS PERFORMED BY CROSSMAN ENGINEERING DURING MARCH 2020 AND DECEMBER 2021.

GENERAL NOTES - UTILITIES

GAS WORK

1. CONTRACTOR SHALL FOLLOW THE GUIDELINES LISTED IN RI ENERGY'S "GUIDELINES FOR WORKING AROUND GAS UTILITIES", DOCUMENT ATTACHED.
2. DEPTH OF GAS FACILITIES ARE UNKNOWN AND COULD BE SHALLOW, USE CAUTION WHEN WORKING IN THE VICINITY OF ANY GAS FACILITY, HAND DIGGING OR VACUUM EXCAVATION ONLY.
3. RI ENERGY REQUIRES A MINIMUM OF ONE FOOT OF SEPARATION BETWEEN CROSSING UTILITIES AND EXISTING GAS FACILITIES.
4. RI ENERGY REQUIRES A MINIMUM OF THREE FEET OF SEPARATION BETWEEN THE GAS MAIN AND THE PARALLEL FACILITY FOR STEEL AND PLASTIC GAS MAINS. FOR CAST IRON GAS MAIN SEE LINE ITEM FOR ENCROACHMENT GUIDELINES.
5. AT A PROPOSED UTILITY AND CRITICAL GAS MAIN CROSSING, A RI ENERGY GAS DAMAGE PREVENTION INSPECTOR MUST BE ON SITE WHEN CROSSING. CALL ED SOUZA AT 401-283-9159 OR JEFF CASSEL AT 508-468-7217.
6. IF A GAS MAIN IS EXPOSED OR GOING TO BE EXPOSED CALL RI ENERGY DISPATCH AT 877-304-1203 FOR AN INSPECTOR TO BE DISPATCHED TO THE SITE TO INSPECT THE LINE BEFORE BACKFILL.
7. IF A GAS MAIN OR GAS MAIN COATING IS DAMAGED CALL RI ENERGY DISPATCH OFFICE AT 877-304-1203 FOR AN INSPECTOR TO BE DISPATCHED TO THE SITE FOR REPAIR BEFORE BACKFILL.
8. FOR ANY EXPOSED GAS FACILITY, PROVIDE BACKFILL MATERIALS AND COMPACT THE BACKFILL MATERIALS IN ACCORDANCE WITH RI ENERGY'S "GUIDELINES FOR BACKFILL AND COMPACTION AROUND GAS PIPES".
9. WHEN CROSSING OR EXPOSING A STEEL OR PLASTIC GAS FACILITY SUPPORT MAY BE REQUIRED. FOLLOW THE GUIDELINES LISTED AND ILLUSTRATED IN RI ENERGY'S "SUPPORT REQUIREMENTS FOR EXPOSED & UNDERMINED STEEL OR PLASTIC GAS FACILITIES", DOCUMENT (DWG NO. CNST-6045).
10. ALL GAS VALVE BOXES SHALL BE ADJUSTED TO THE NEW ROAD/SIDEWALK SURFACE. VALVE BOXES, IF REQUIRED FOR REPLACEMENT, CAN BE OBTAINED AT RI ENERGY'S PROVIDENCE LOCATION, 477 DEXTER STREET, PROVIDENCE, RI OR LINCOLN LOCATION, 642 GEORGE WASHINGTON HIGHWAY (QUANTITIES 5 OR LESS). GAS VALVE BOXES NEED TO BE ACCESSIBLE AT ALL TIMES TO BE OPERATED BY RI ENERGY IN THE EVENT OF AN EMERGENCY.
11. ALL CATHODIC PROTECTION BOXES (BOXES THAT CONTAIN WIRES THAT GO DOWN TO THE GAS MAIN) SHALL BE ADJUSTED TO THE NEW ROAD/SIDEWALK SURFACE. CARE SHALL BE EXERCISED WHEN ADJUSTING SO AS NOT TO DAMAGE THE WIRES. IF THE WIRES ARE DAMAGED OR IF ASSISTANCE IS NEEDED, CONTACT RI ENERGY CORROSION ENGINEER TO VISIT THE SITE. CONTACT BUTCH VINCENT 508-838-4486. NEW BOXES, IF REQUIRED, CAN BE OBTAINED AT RI ENERGY'S PROVIDENCE FACILITY, 477 DEXTER ST, PROVIDENCE, RI OR RI ENERGY'S LINCOLN FACILITY, 642 GEORGE WASHINGTON HIGHWAY, LINCOLN, RI (QUANTITIES 5 OR LESS). CONTRACTOR SHALL FOLLOW THE GUIDELINES LISTED IN RI ENERGY'S "GUIDELINES FOR WORKING AROUND CORROSION CONTROL SYSTEM COMPONENTS".
12. DUE TO SYSTEM RELIABILITY AND PUBLIC SAFETY CONCERNS, IT IS RI ENERGY'S PRACTICE TO RESTRICT ALL CONSTRUCTION WORK ON OR NEAR GAS FACILITIES BETWEEN NOVEMBER 15TH AND APRIL 15TH. ALL SCHEDULED WORK SHOULD BE COMPLETED BETWEEN APRIL 15TH AND NOVEMBER 15TH. AS GAS USAGE PEAK DURING THE MONTHS OF DECEMBER TO MARCH DRIVEN BY HEATING NEEDS, RI ENERGY'S PRIORITY IS TO PROVIDE OUR CUSTOMERS WITH SAFE AND RELIABLE GAS SERVICE. ANY WORK ON OR NEAR THE GAS FACILITY WILL EXPOSE OUR CUSTOMERS TO UNNECESSARY RISK. EXCEPTIONS WILL BE CONSIDERED ON A CASE BY CASE BASIS. APPROVALS FROM GAS CONTROL, OPERATIONAL ENGINEERING, AND PROJECT ENGINEERING WILL BE REQUIRED FOR THESE CASES.
13. FOR A GAS LEAK CALL 800-640-1595.
14. FOR A DAMAGED GAS FACILITY CALL 800-870-1664.

ABANDONED GAS MAIN

15. RI ENERGY WILL PURGE OUR OLD GAS MAIN OF GAS, WIPE TEST SAMPLE THE INSIDE OF THE PIPE, CAP THE ENDS AND ABANDON IN PLACE. PIPE FOUR INCHES AND LESS IN DIAMETER CAN'T BE SAMPLED; THIS PIPE WILL BE ASSUMED TO BE CONTAMINATED. IF THE WIPE TEST RESULTS SHOW PCB CONTAMINATION AND A SECTION OR SECTIONS NEED TO BE REMOVED BY THE CONTRACTOR THEN THE CONTRACTOR WILL NEED TO TRANSPORT THE REMOVED SECTIONS WITH THE ENDS SEALED WITH PLASTIC AND ZIP TIES TO EITHER OUR ALLENS AVE FACILITY AT 642 ALLENS AVE IN PROVIDENCE OR OUR DEXTER ST FACILITY AT 477 DEXTER ST IN PROVIDENCE OR OUR LINCOLN FACILITY AT 642 GEORGE WASHINGTON HGWY IN LINCOLN AND PLACE THEM IN OUR RED OPEN TOP "PIPE TO BE CLEANED" CONTAINER ON SITE OR ARRANGE FOR CLEAN HARBORS TO DELIVER AN OPEN TOP CONTAINER TO THE SITE FOR THE REMOVED SECTIONS OF PIPE AND TRANSPORTED BACK TO CLEAN HARBORS. RI ENERGY WOULD THEN HANDLE THE CLEANING AND PROPER DISPOSAL. RI ENERGY ALSO REQUIRES THAT THE OPEN PIPE ENDS OF THE ABANDONED PIPE REMAINING IN THE GROUND BE SEALED WITH EXPANDING FOAM. IF THE WIPE TEST SHOWS THAT THE PIPE HAS NO PCB CONTAMINATION THEN REMOVED SECTIONS CAN JUST BE DISPOSED OF BY THE CONTRACTOR AS SCRAP METAL.

GENERAL NOTES - CONTRACTOR LAYDOWN AREA:

1. IF REQUIRED, THE CONTRACTOR SHALL USE AREAS WITHIN 500' OF THE PROJECT AND WITHIN THE STATE RIGHT OF WAY FOR LAYDOWN/STORAGE AREAS. IF ADDITIONAL LAYDOWN/STORAGE AREAS ARE REQUIRED, WITH APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY USE AREAS ADJACENT TO THE WORK ZONES ON SNEECH POND ROAD, DIAMOND HILL ROAD AND NATE WHIPPLE HIGHWAY. ALL LOCAL ACCESS SHALL BE MAINTAINED AND ALL LANE RESTRICTIONS SHALL CONFORM TO THE RIDOT TRANSPORTATION MANAGEMENT PLAN (TMP). ALL SIDEWALKS SHALL REMAIN OPEN. ALL LAYDOWN/STORAGE AREAS WITHIN OR OUTSIDE THE PROJECT LIMITS SHALL BE RESTORED TO EXISTING CONDITIONS UPON PROJECT COMPLETION.

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RHODE ISLAND
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SHEET: 5
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REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES

2602D_V1_005_JSNOTSYM

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	6	51

N

LEGEND

(XX) GENERAL PLAN

[XX] DRAINAGE AND UTILITY PLAN

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SCALE: 1"=150'
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BRIDGE GROUP 17C-
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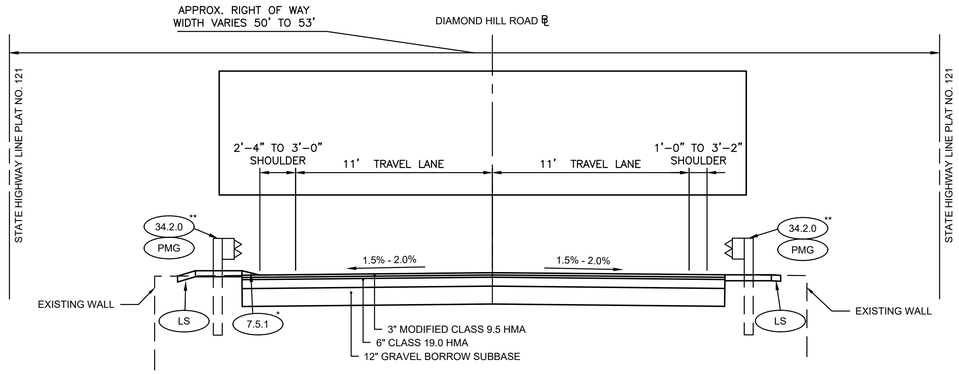
VOLUME 1

CUMBERLAND RHODE ISLAND

KEY PLAN

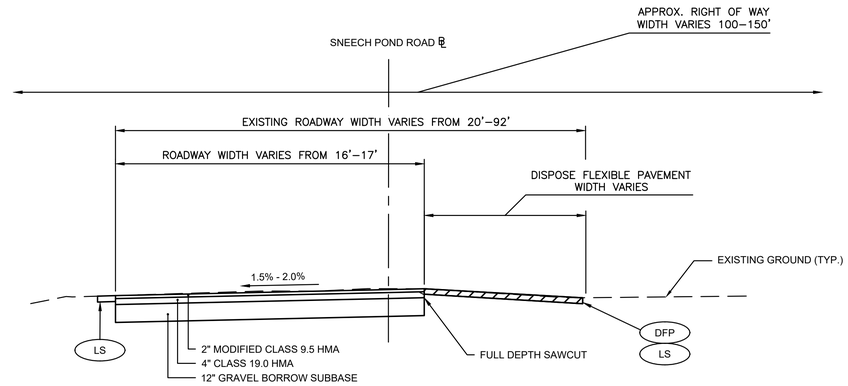
2602D_V1_006_KEY001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	7	51

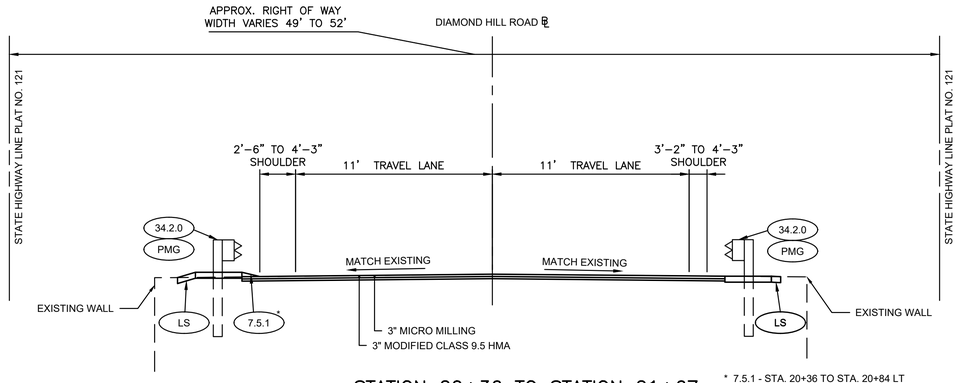


STATION 18+75 TO STATION 19+50
STATION 19+89 TO STATION 20+36
DIAMOND HILL ROAD
SCALE: 1"=4'

* 7.1.0 - STA. 19+05 TO STA. 19+29 LT, RT
7.5.1 - STA. 20+11 TO STA. 20+36 LT
** 40.2.0 - STA. 19+29 TO STA. 19+51, STA. 19+88 TO STA. 20+11 LT, RT

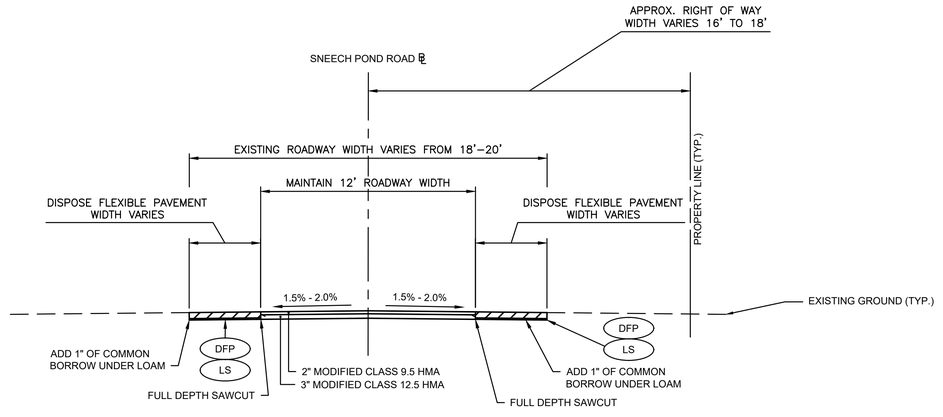


STATION 20+24 TO STATION 20+60
SNEECH POND ROAD (WEST)
SCALE: 1"=4'



STATION 20+36 TO STATION 21+67
DIAMOND HILL ROAD
SCALE: 1"=4'

* 7.5.1 - STA. 20+36 TO STA. 20+84 LT



STATION 20+60 TO STATION 28+14
SNEECH POND ROAD (WEST)
SCALE: 1"=4'

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SHEET: 7
OF: 51

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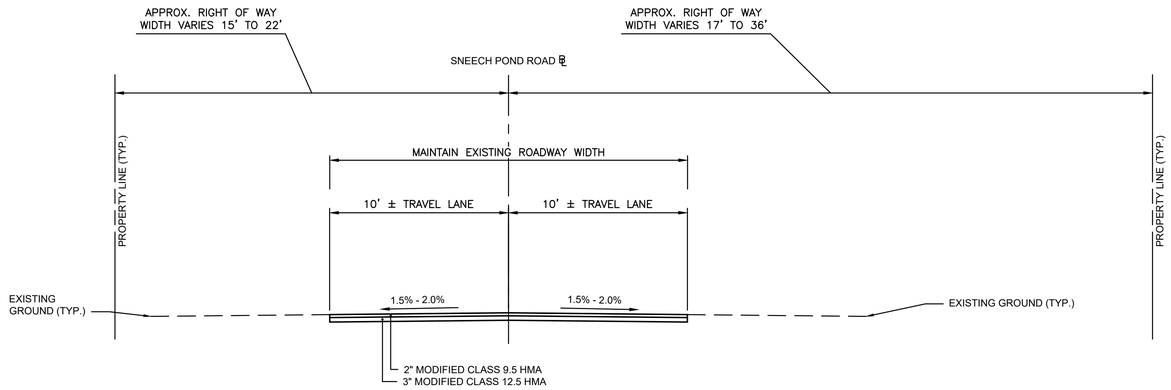
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

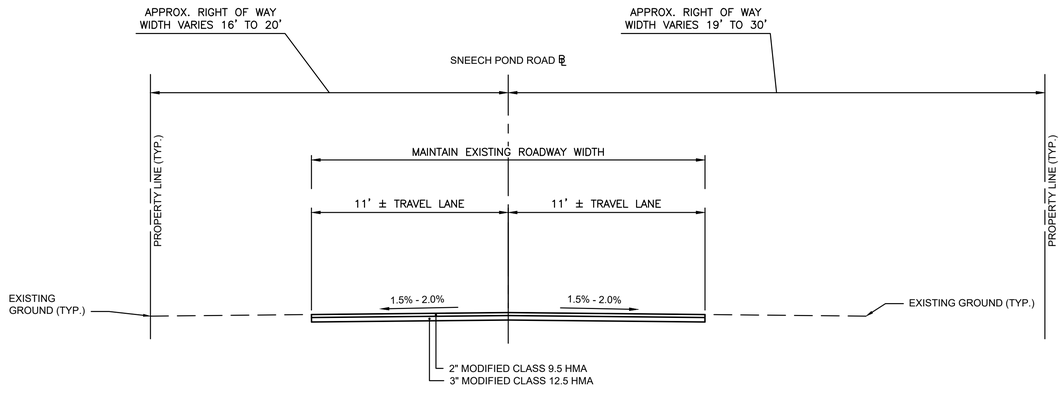
TYPICAL SECTION NO. 1

2602D_V1_007_TYPICAL001

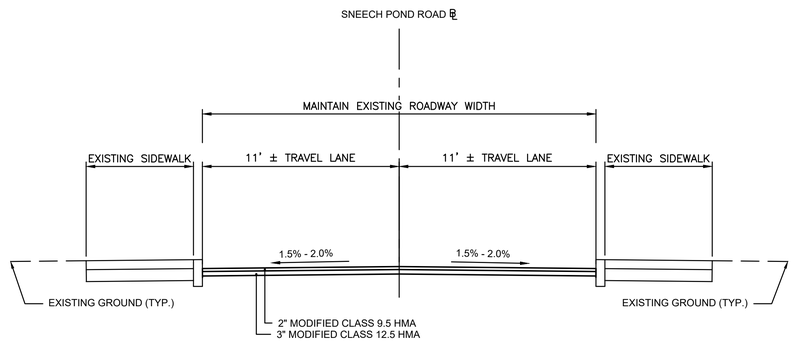
RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	8	51



STATION 28+14 TO STATION 42+69
SNEECH POND ROAD (WEST)
SCALE: 1"=4'



STATION 52+48 TO STATION 57+80
SNEECH POND ROAD (EAST)
SCALE: 1"=4'



STATION 57+80 TO STATION 58+59
SNEECH POND ROAD (EAST)
SCALE: 1"=4'

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DATE:
SHEET: 8
OF: 51

SCALE: 1"=4'
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SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

TYPICAL SECTION NO. 2

2602D_V1_008_TYPICAL002

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	9	51

ABBREVIATIONS

C.B.	CATCH BASIN
M.H.	MAN HOLE
HH	HAND HOLE
WG	WATER GATE
GG	GAS GATE
VU	UNKNOWN VALVE
FH	FIRE HYDRANT
TB	TRAFFIC BOX
IP	IRON PIN
DH	DRILL HOLE
MON	MONUMENT
RIHB	RHODE ISLAND HIGHWAY BOUND
CONC.	CONCRETE
GRAN.	GRANITE
BIT.	BITUMINOUS
RET.	RETAINING
SAN.	SANITARY
TELE.	TELECOMMUNICATION
ISL.	ISLAND
APPROX.	APPROXIMATE
PED.	PEDESTRIAN
S.H.L.	STATE HIGHWAY LINE
S.F.L.	STATE FREEWAY LINE
R.O.W.	RIGHT OF WAY
CP	CONTROL POINT
BM	BENCHMARK
TF	TOP OF FRAME
C C.B.	CURB TOP CATCH BASIN
C-L C.B.	FLAT TOP CATCH BASIN
UP	UTILITY POLE
TYP	TYPICAL
NF	NOW OR FORMERLY

LEGEND

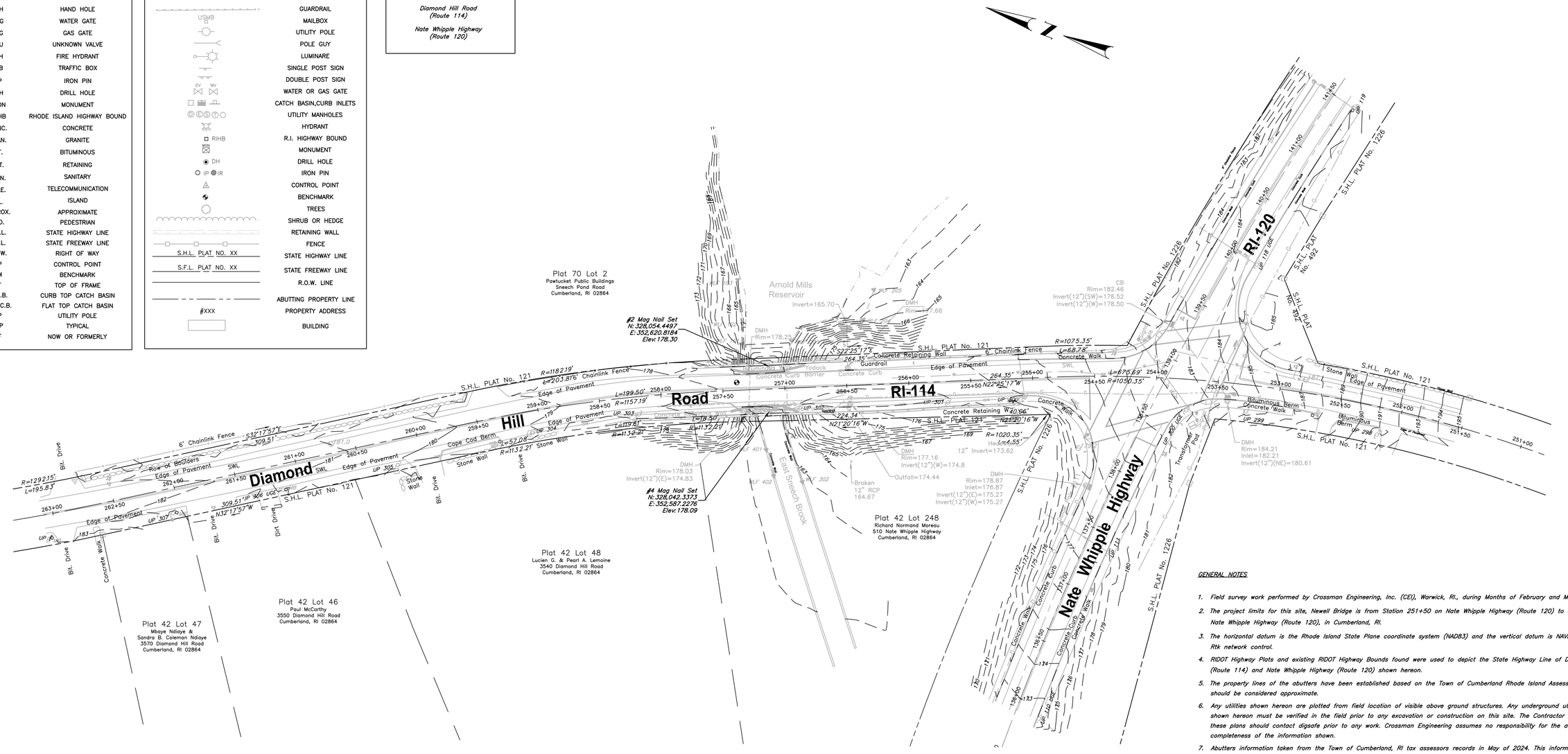
	EDGE OF PAVEMENT
	GRANITE CURB
	GUARDRAIL
USMB	MAILBOX
	UTILITY POLE
	POLE GUY
	LUMINARE
	SINGLE POST SIGN
	DOUBLE POST SIGN
GV WV	WATER OR GAS GATE
	CATCH BASIN,CURB INLETS
	UTILITY MANHOLES
	HYDRANT
RIHB	R.I. HIGHWAY BOUND
MS	MONUMENT
DH	DRILL HOLE
IP IR	IRON PIN
	CONTROL POINT
	BENCHMARK
	TREES
	SHRUB OR HEDGE
	RETAINING WALL
	FENCE
S.H.L. PLAT NO. XX	STATE HIGHWAY LINE
S.F.L. PLAT NO. XX	STATE FREEWAY LINE
	R.O.W. LINE
	ABUTTING PROPERTY LINE
#XXX	PROPERTY ADDRESS
	BUILDING

INDEX OF ABUTTING STREETS

NEWELL BRIDGE

Diamond Hill Road (Route 114)

Nate Whipple Highway (Route 120)



GENERAL NOTES

1. *Field survey work performed by Crossman Engineering, Inc. (CEI), Warwick, RI., during Months of February and March of 2020.*
2. *The project limits for this site, Newell Bridge is from Station 251+50 on Nate Whipple Highway (Route 120) to Station 263+00 Nate Whipple Highway (Route 120), in Cumberland, RI.*
3. *The horizontal datum is the Rhode Island State Plane coordinate system (NAD83) and the vertical datum is NAVD88 utilizing GPS Rtk network control.*
4. *RIDOT Highway Plats and existing RIDOT Highway Bounds found were used to depict the State Highway Line of Diamond Hill Road (Route 114) and Nate Whipple Highway (Route 120) shown hereon.*
5. *The property lines of the abutters have been established based on the Town of Cumberland Rhode Island Assessors maps, and should be considered approximate.*
6. *Any utilities shown hereon are plotted from field location of visible above ground structures. Any underground utility information shown hereon must be verified in the field prior to any excavation or construction on this site. The Contractor or users of these plans should contact digsafe prior to any work. Crossman Engineering assumes no responsibility for the accuracy or completeness of the information shown.*
7. *Abutters information taken from the Town of Cumberland, RI tax assessors records in May of 2024. This information is not intended to be a certification of title or ownership for the properties shown. Parcel are subject to any easements, restrictions or conditions of record.*

REFERENCES:

1. *State of Rhode Island Highway Plat No.s: 121, 492 and 1226.*

CERTIFICATION:

This survey has been conducted and the plan has been prepared pursuant to 435-RICR-00-00-1.9 of the Rules and Regulations adopted by the Rhode Island State Board of Registration for Professional Land Surveyors on November 25, 2015, as follows:

Survey Type:
Data Accumulation Survey – Topographic
Limited Content Boundary Survey
Horizontal Measurement Specifications – Class III
Vertical Measurement Specifications – V-II
Topographic Survey Accuracy – T-I

The purpose for the conduct of the survey and for the preparation of the plan is as follows:
To provide an existing conditions plan with planimetric features, contours, and street lines, for the future improvement of the Newell Bridge over East Sneech Brook. No boundary opinion is rendered on abutting owners.

RONALD N. TUBMAN
No. 1939
PROFESSIONAL LAND SURVEYOR

By: _____ *Date:* 7/26/2024

Ronald N. Tubman, PLS – License No. 1939 *Certificate of Authorization No. A257*

CROSSMAN ENGINEERING
100 Jefferson Blvd. Suite 200 | Warwick, RI 02888

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE: 6/2024
SHEET: 1
OF: 1

SCALE: 1"=40'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

EXISTING CONDITIONS SURVEY PLAN NO. 1
NEWELL BRIDGE
DIAMOND HILL ROAD (RT. 114) FROM STA.251+50 to STA.263+00

279410 EX-COND 20240725.DWG

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	10	51

CROSSMAN ENGINEERING
100 Jefferson Blvd. Suite 200 | Warwick, RI 02888

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:	
CHECKED BY:	
DATE:	6/2024
SHEET:	1
OF:	2

SCALE: 1"=40'
GRAPHIC SCALE

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND — RHODE ISLAND

EXISTING CONDITIONS SURVEY PLAN NO. 2
SNEECH POND ROAD
NATE WHIPPLE HIGHWAY (RT. 120) FROM STA.99+00 TO STA.135+00

279420 EX-COND 20240711.DWG

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	**11**	**51**

INDEX OF ABUTTING STREETS
SNEECH POND ROAD
Nate Whipple Highway
Little Pond County Road
Bonnie Brook Drive
Anna Mac Drive

ABBREVIATIONS

C.B.	CATCH BASIN
M.H.	MAN HOLE
HH	HAND HOLE
WG	WATER GATE
GG	GAS GATE
VU	UNKNOWN VALVE
FH	FIRE HYDRANT
TB	TRAFFIC BOX
IP	IRON PIN
DH	DRILL HOLE
MON	MONUMENT
RIHB	RHODE ISLAND HIGHWAY BOUND
CONC.	CONCRETE
GRAN.	GRANITE
BIT.	BITUMINOUS
RET.	RETAINING
SAN.	SANITARY
TELE.	TELECOMMUNICATION
ISL.	ISLAND
APPROX.	APPROXIMATE
PED.	PEDESTRIAN
S.H.L.	STATE HIGHWAY LINE
S.F.L.	STATE FREEWAY LINE
R.O.W.	RIGHT OF WAY
CP	CONTROL POINT
BM	BENCHMARK
TF	TOP OF FRAME
C C.B.	CURB TOP CATCH BASIN
C–L C.B.	FLAT TOP CATCH BASIN
UP	UTILITY POLE
TYP	TYPICAL
NF	NOW OR FORMERLY

LEGEND

Symbol	Description
	EDGE OF PAVEMENT
	GRANITE CURB
	GUARDRAIL
USMB	MAILBOX
	UTILITY POLE
	POLE GUY
	LUMINARE
	SINGLE POST SIGN
	DOUBLE POST SIGN
GV WV	WATER OR GAS GATE
	CATCH BASIN,CURB INLETS
	UTILITY MANHOLES
	HYDRANT
RIHB	R.I. HIGHWAY BOUND
MON	MONUMENT
DH	DRILL HOLE
IP IR	IRON PIN
	CONTROL POINT
	BENCHMARK
	TREES
	SHRUB OR HEDGE
	RETAINING WALL
	FENCE
S.H.L. PLAT NO. XX	STATE HIGHWAY LINE
S.F.L. PLAT NO. XX	STATE FREEWAY LINE
	R.O.W. LINE
	ABUTTING PROPERTY LINE
#XXX	PROPERTY ADDRESS
	BUILDING

GENERAL NOTES

1. *Field survey work performed by Crossman Engineering, Inc. (CEI), Warwick, RI., on November 29, 2021, with additional monumentation location work in May of 2024.*
2. *The project limits for this site, Sneech Pond Road is from Station 99+00 on Nate Whipple Highway (Route 120) to Station 135+00 Nate Whipple Highway (Route 120), in Cumberland, RI.*
3. *The horizontal datum is the Rhode Island State Plane coordinate system (NAD83) and the vertical datum is NAVD88 utilizing GPS Rtk network control.*
4. *RIDOT Highway Plats and existing RIDOT Highway Bounds found were used to depict the State Highway Line of Nate Whipple Highway (Route 120) shown hereon.*
5. *The street lines shown hereon for Sneech Pond Road and the abutting streets have been established based on the Town of Cumberland Rhode Island Assessors maps, and should be considered approximate.*
6. *Any utilities shown hereon are plotted from field location of visible above ground structures. Any underground utility information shown hereon must be verified in the field prior to any excavation or construction on this site. The Contractor or users of these plans should contact digsafe prior to any work. Crossman Engineering assumes no responsibility for the accuracy or completeness of the information shown.*
7. *Abutters information taken from the Town of Cumberland, RI tax assessors records in May of 2024. This information is not intended to be a certification of title or ownership for the properties shown. Parcel are subject to any easements, restrictions or conditions of record.*

REFERENCES:

1. *State of Rhode Island Highway Plat No's. 908, 1226.*

CERTIFICATION:

This survey has been conducted and the plan has been prepared pursuant to 435–RICR–00–00–1.9 of the Rules and Regulations adopted by the Rhode Island State Board of Registration for Professional Land Surveyors on November 25, 2015, as follows:

Survey Type:
Data Accumulation Survey – Topographic
Limited Content Boundary Survey
Horizontal Measurement Specifications – Class III
Vertical Measurement Specifications – V–II
Topographic Survey Accuracy – T–I

The purpose for the conduct of the survey and for the preparation of the plan is as follows:
To provide an existing conditions plan with planimetric features, contours, and street lines, for the future improvement of the roadway of Sneech Pond Road. No boundary opinion is rendered on abutting owners.

RONALD N. TUBMAN
No. 1939
PROFESSIONAL LAND SURVEYOR

By: [signature] *Date:* 7/25/2024

Ronald N. Tubman, PLS – License No. 1939 *Certificate of Authorization No. A257*

CROSSMAN ENGINEERING
100 Jefferson Blvd. Suite 200 | Warwick, RI 02888

RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:	
CHECKED BY:	
DATE:	6/2024
SHEET:	2
OF:	2

SCALE: 1"=40'
GRAPHIC SCALE (20 0 10 20 40 80)

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

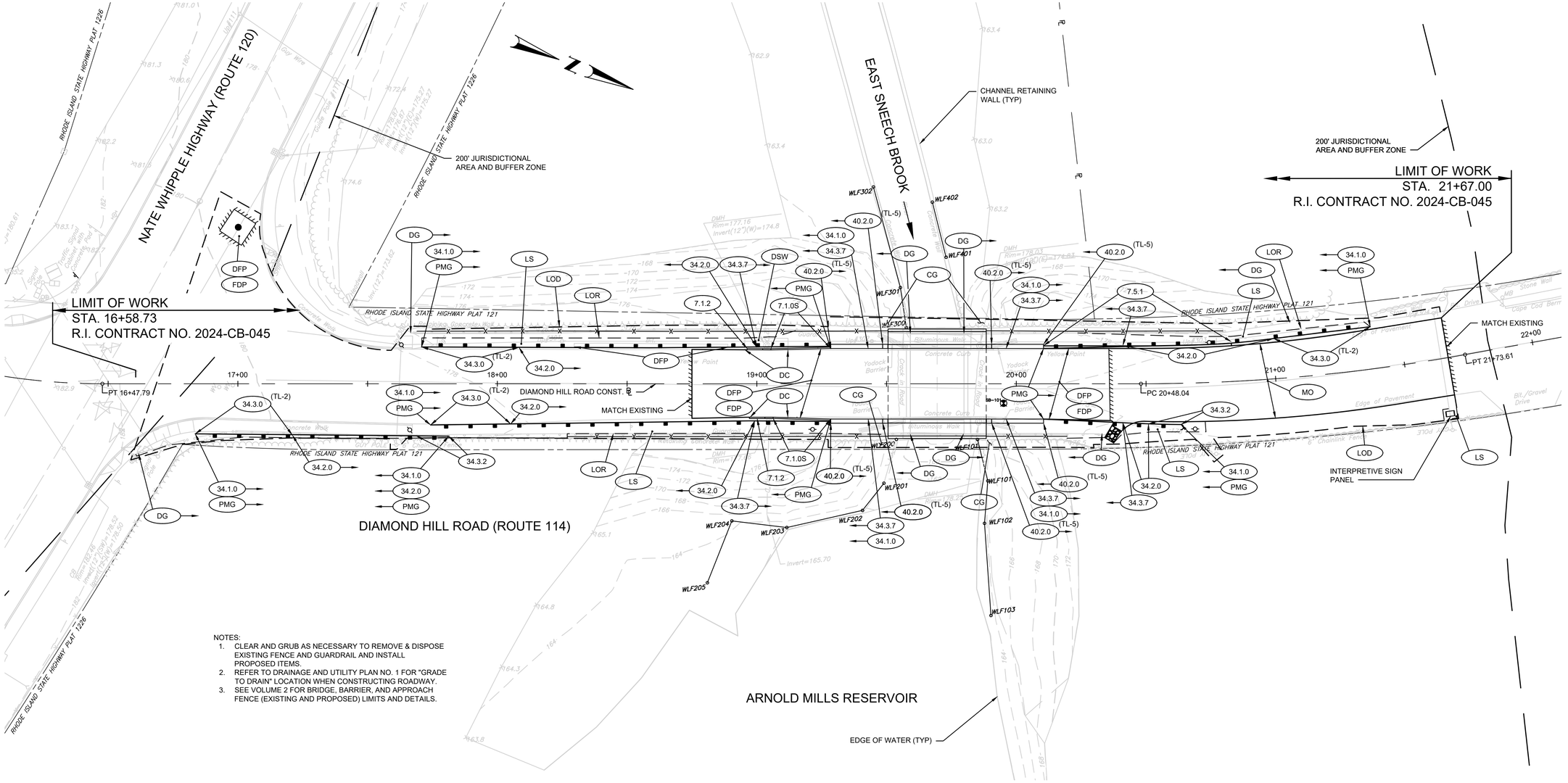
CUMBERLAND RHODE ISLAND

EXISTING CONDITIONS SURVEY PLAN NO. 3

SNEECH POND ROAD
NATE WHIPPLE HIGHWAY (RT. 120) FROM STA.99+00 TO STA.135+00

279420 EX–COND 20240725.DWG

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	12	51



NOTES:
1. CLEAR AND GRUB AS NECESSARY TO REMOVE & DISPOSE EXISTING FENCE AND GUARDRAIL AND INSTALL PROPOSED ITEMS.
2. REFER TO DRAINAGE AND UTILITY PLAN NO. 1 FOR "GRADE TO DRAIN" LOCATION WHEN CONSTRUCTING ROADWAY.
3. SEE VOLUME 2 FOR BRIDGE, BARRIER, AND APPROACH FENCE (EXISTING AND PROPOSED) LIMITS AND DETAILS.

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 12
OF: 51

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

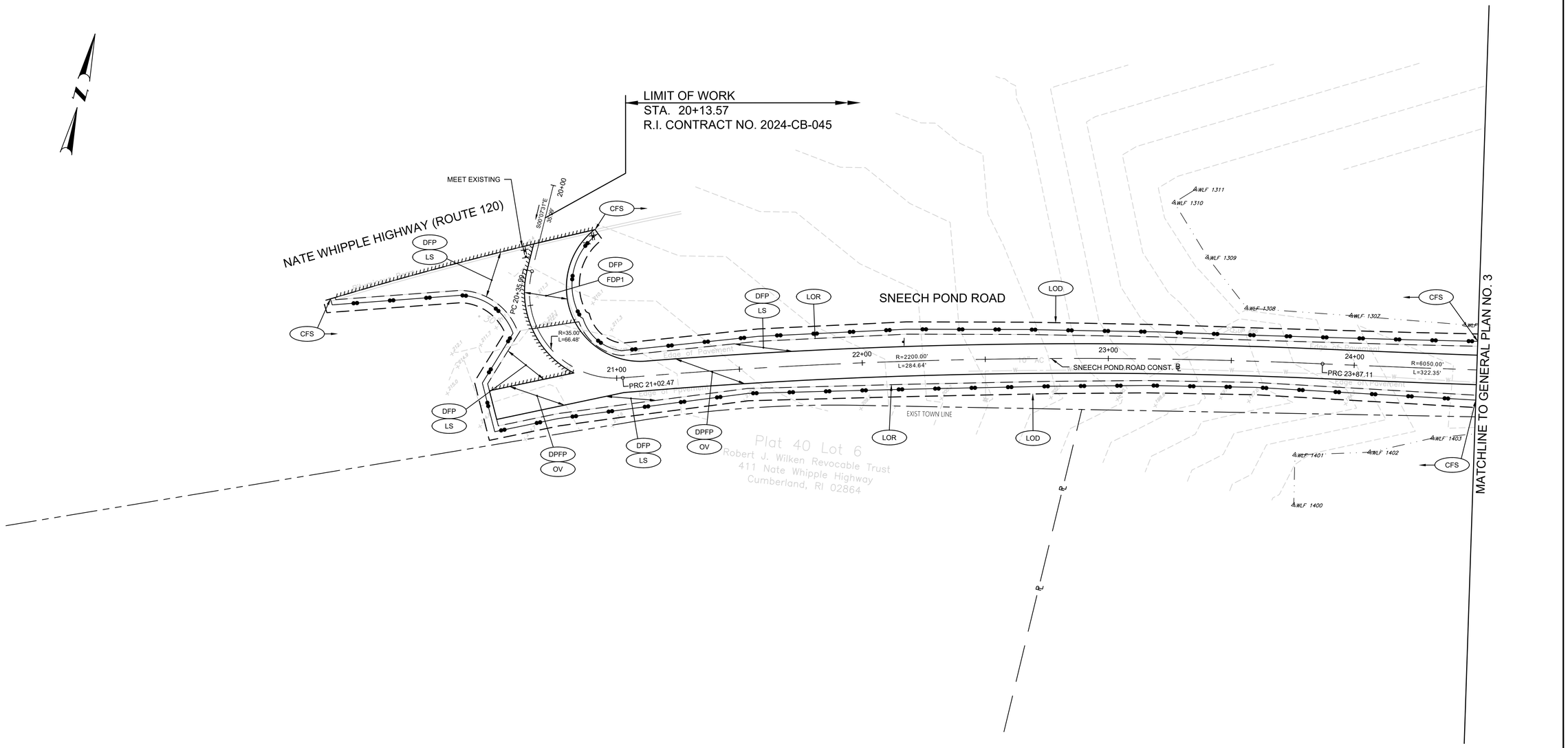
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

GENERAL PLAN NO. 1

2602D_V1_012_GENERAL001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	13	51



1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 13
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

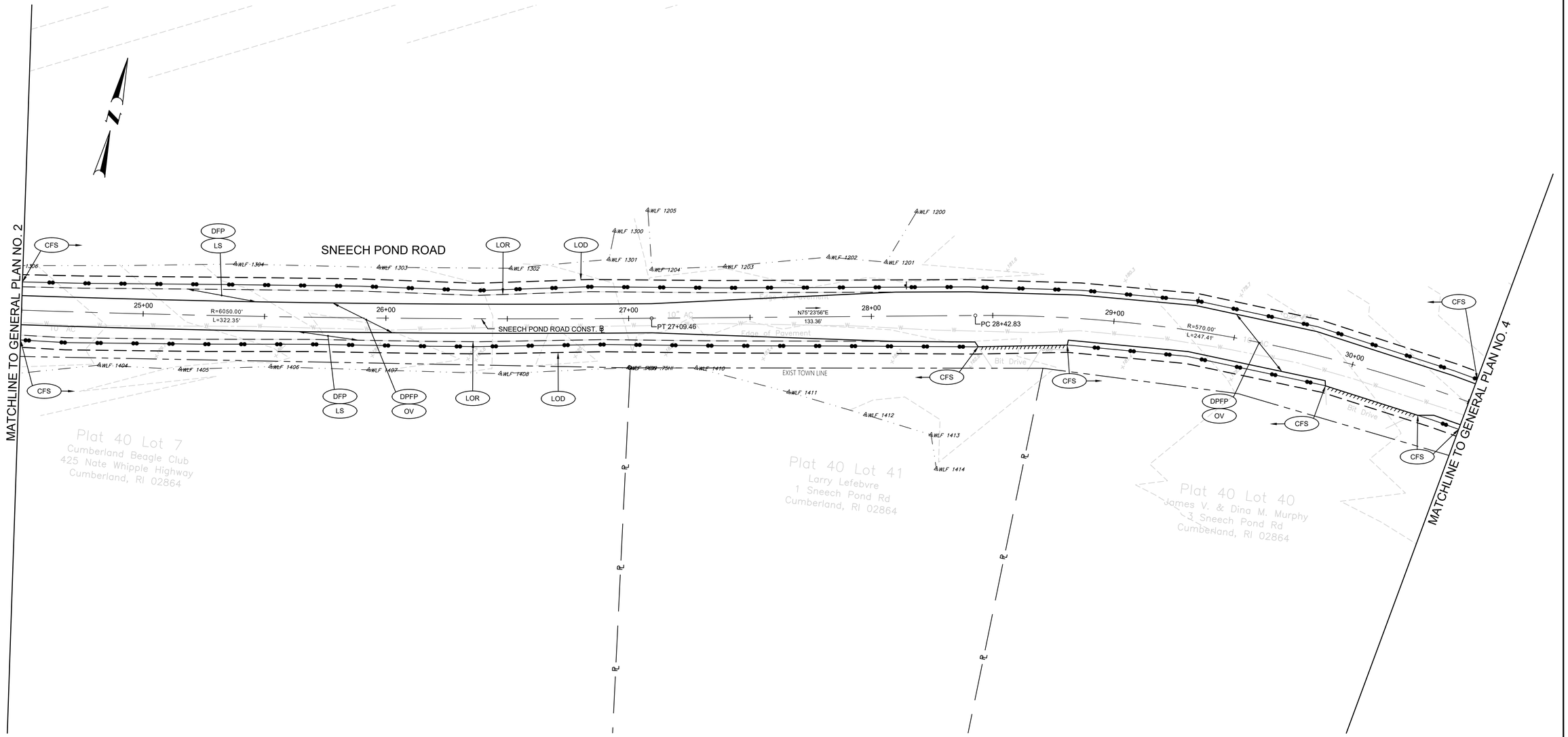
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

GENERAL PLAN NO. 2

2602D_V1_013_GENERAL002

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	14	51



1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 14
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

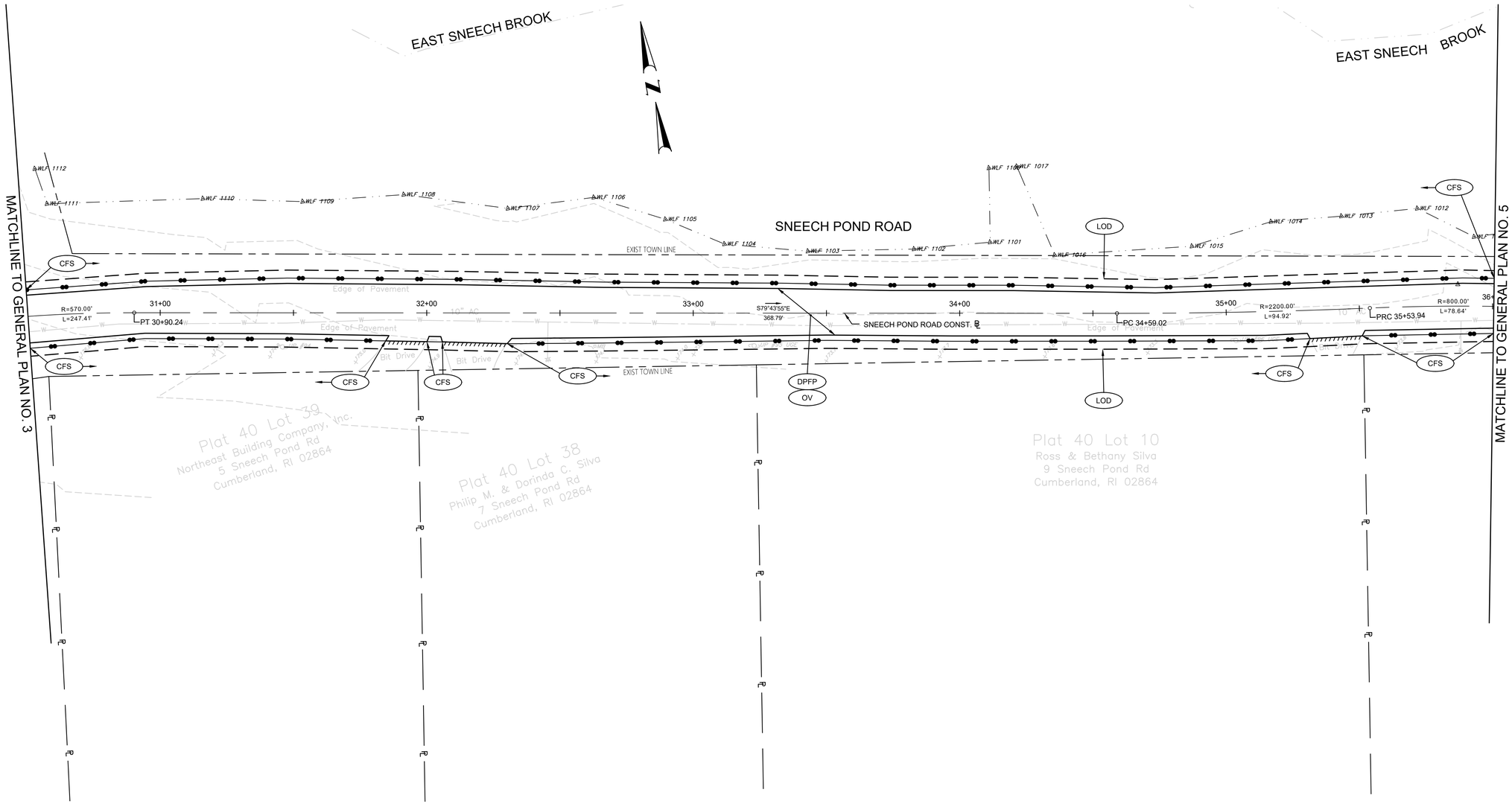
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

GENERAL PLAN NO. 3

2602D_V1_014_GENERAL003

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	15	51



vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 15
OF: 51

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

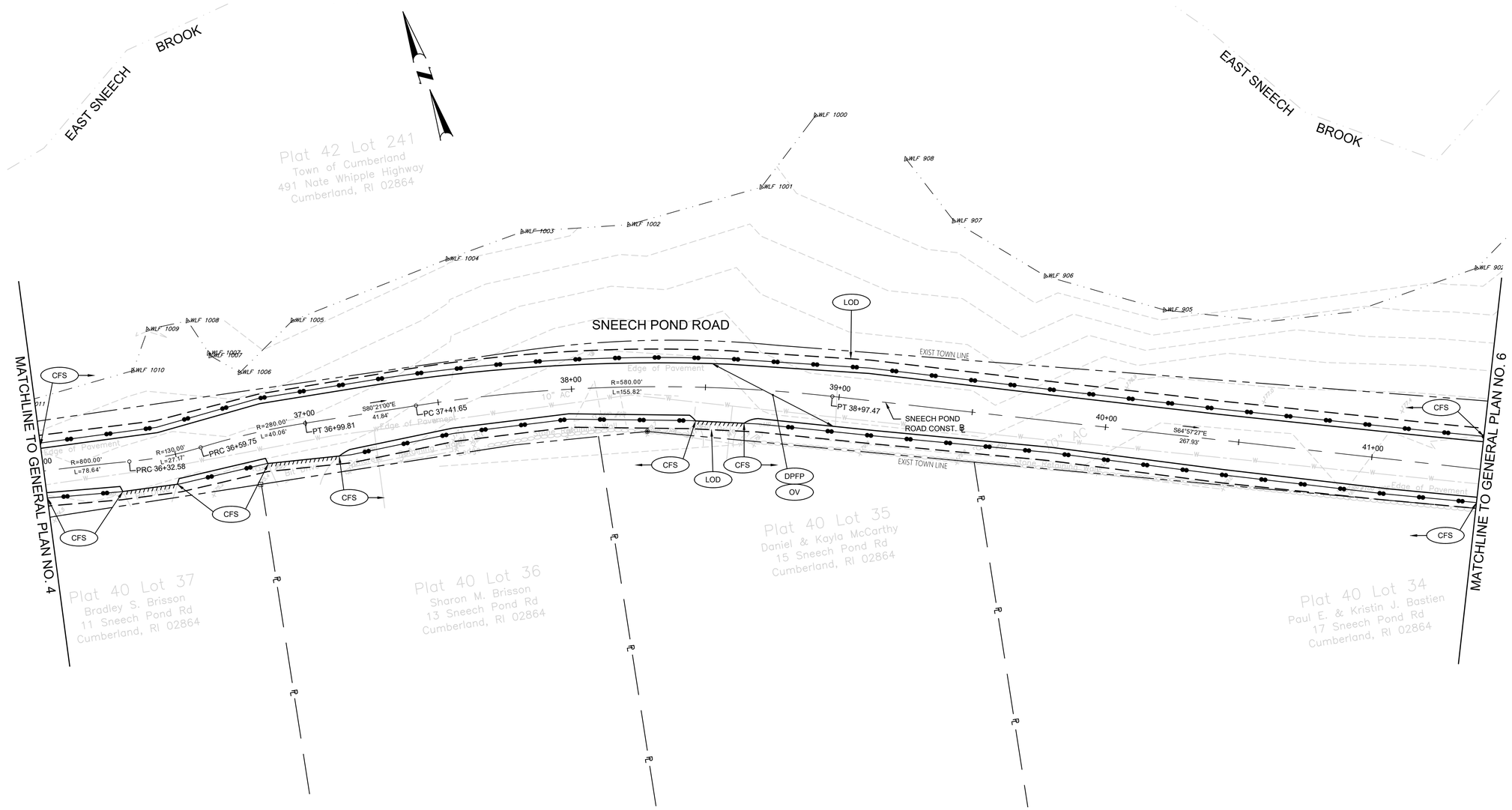
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

GENERAL PLAN NO. 4

2602D_V1_015_GENERAL004

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	16	51



vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 16
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

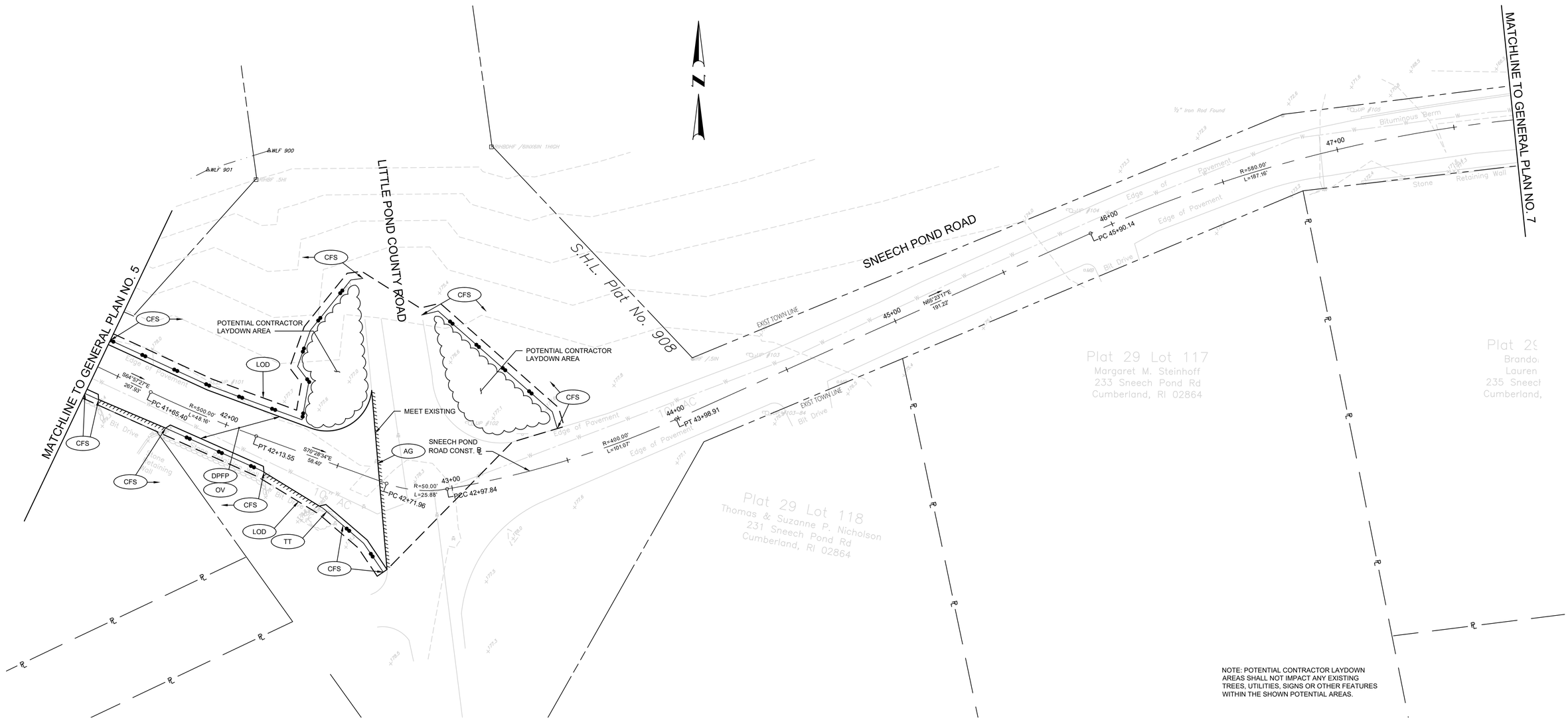
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

GENERAL PLAN NO. 5

2602D_V1_016_GENERAL005

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	17	51



NOTE: POTENTIAL CONTRACTOR LAYDOWN AREAS SHALL NOT IMPACT ANY EXISTING TREES, UTILITIES, SIGNS OR OTHER FEATURES WITHIN THE SHOWN POTENTIAL AREAS.

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 17
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

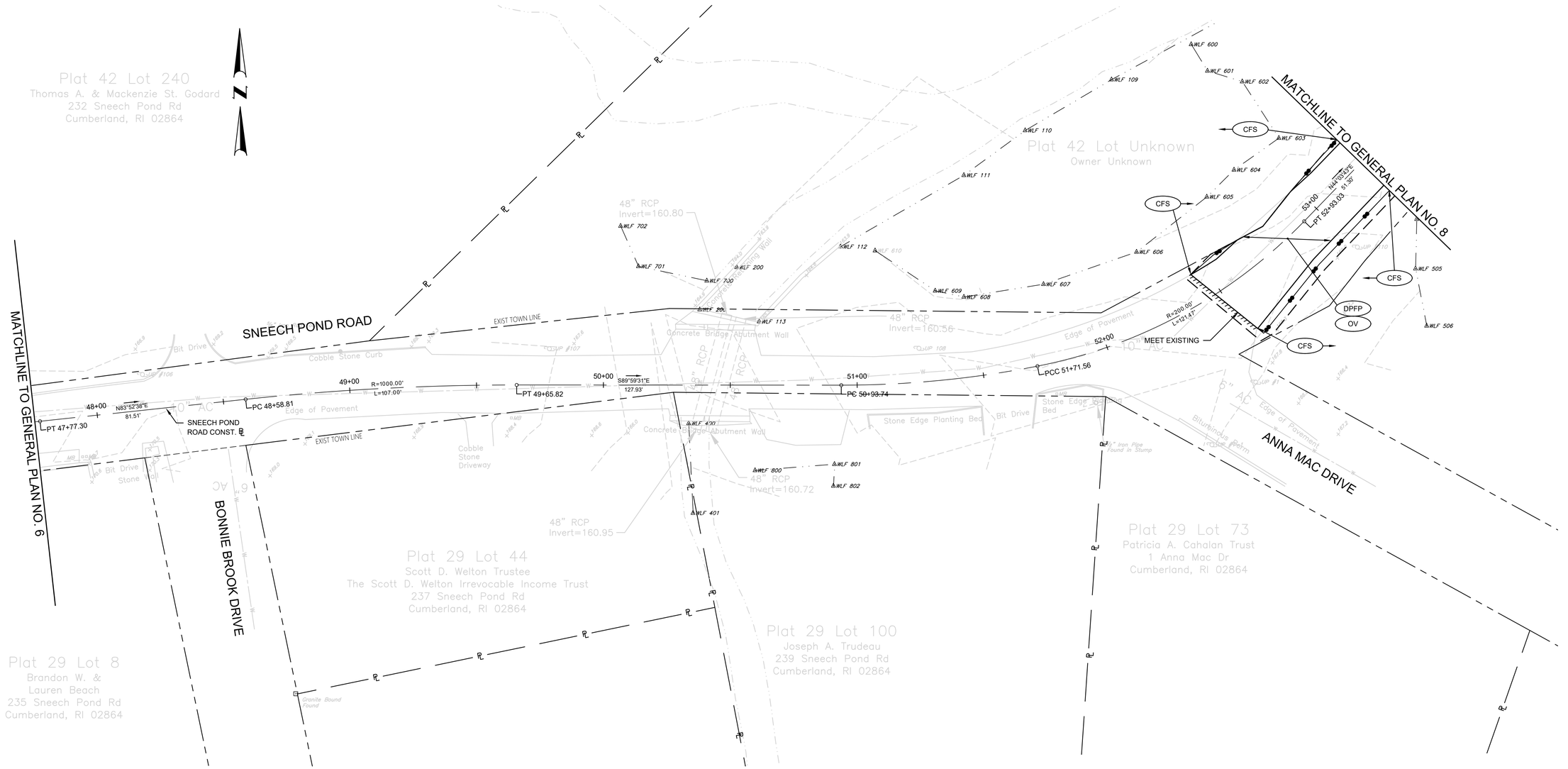
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

GENERAL PLAN NO. 6

2602D_V1_017_GENERAL006

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	18	51



vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 18
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

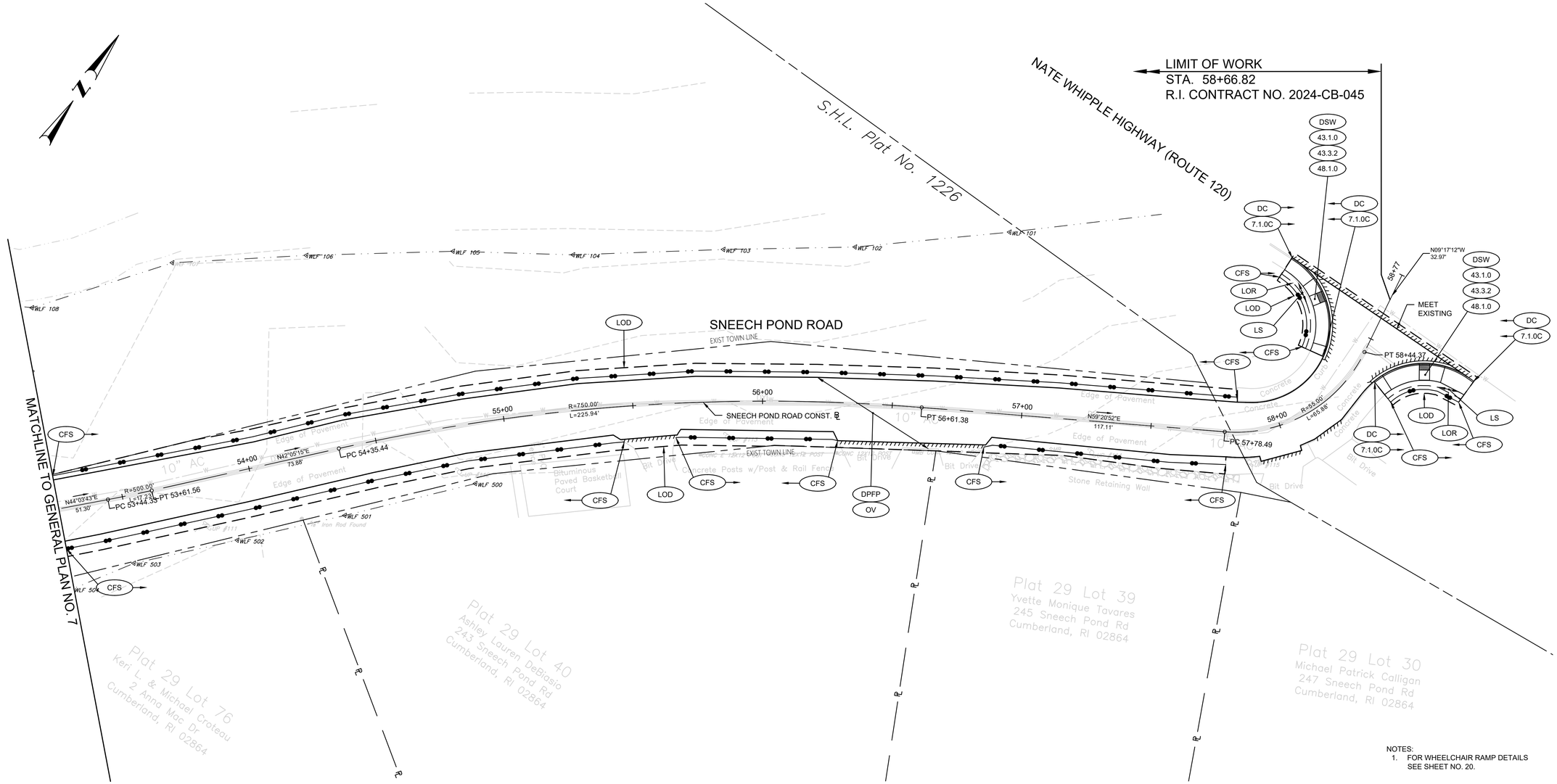
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

GENERAL PLAN NO. 7

2602D_V1_018_GENERAL007

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	19	51



NOTES:
1. FOR WHEELCHAIR RAMP DETAILS SEE SHEET NO. 20.

vhb
1 Cedar Street
Suite 400
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401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 19
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

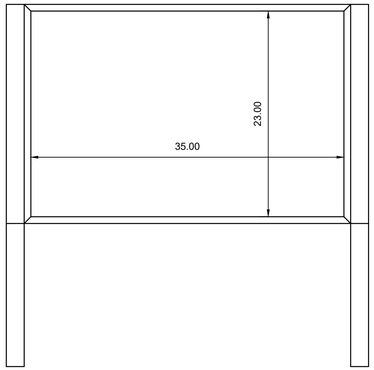
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

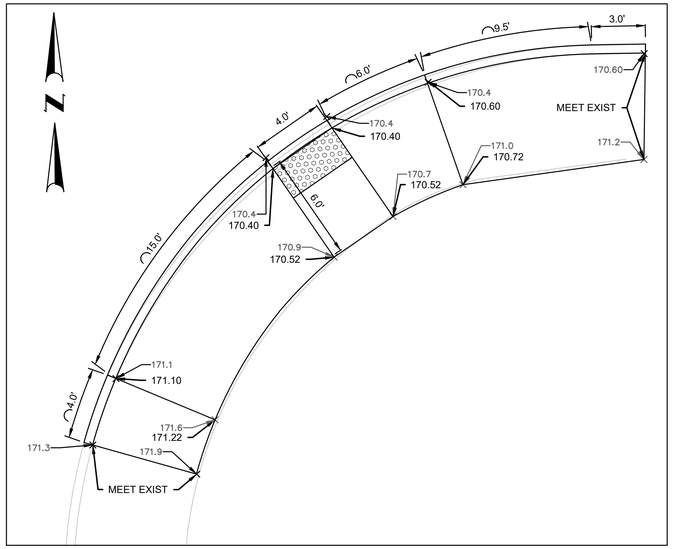
CUMBERLAND RHODE ISLAND

GENERAL PLAN NO. 8

2602D_V1_019_GENERAL008

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	20	51





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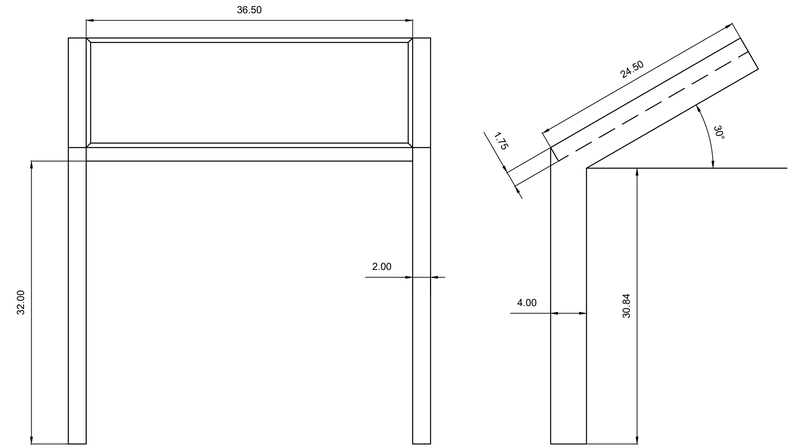
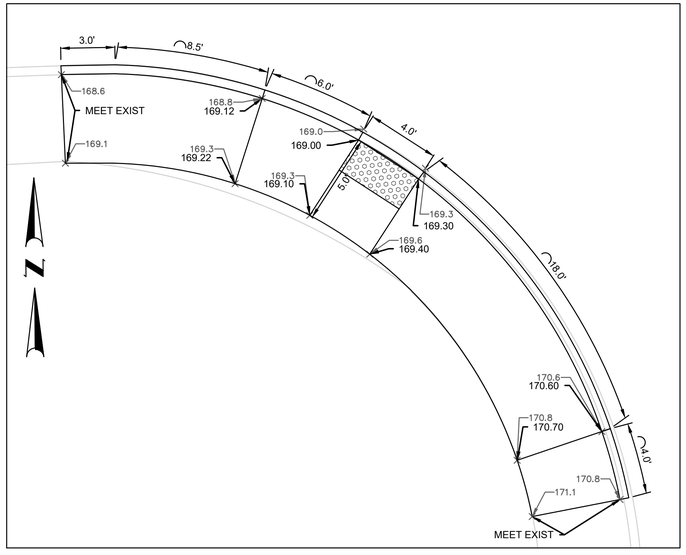


NOTES:
1. ALL DIMENSIONS SHOWN IN INCHES.
2. SEE CONTRACT DOCUMENTS FOR MOUNTING TYPES, FOUNDATION, COLOR, FINISH, MATERIALS AND OTHER DETAILS.

INTERPRETIVE SIGN
NOT TO SCALE



STA. 58+57 LT
TYPE: 43.3.2
SCALE: 1"=4'

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 20
OF: 51

SCALE: 1"=4'
4 0 4 8
SCALE IN FEET

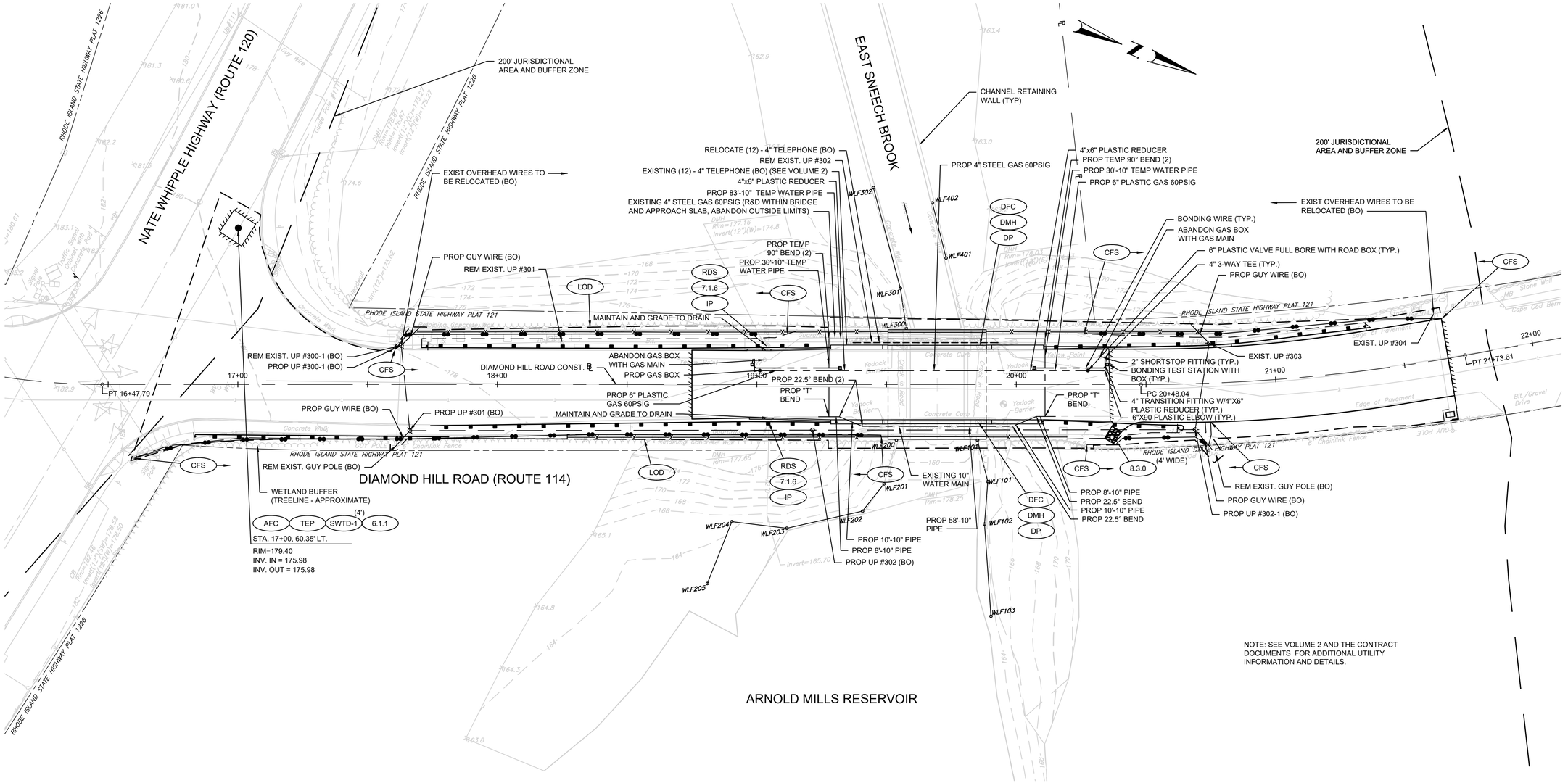
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

MISCELLANEOUS DETAILS NO. 1

2602D_V1_020_MISCDETAIL001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	21	51



NOTE: SEE VOLUME 2 AND THE CONTRACT DOCUMENTS FOR ADDITIONAL UTILITY INFORMATION AND DETAILS.

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 21
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

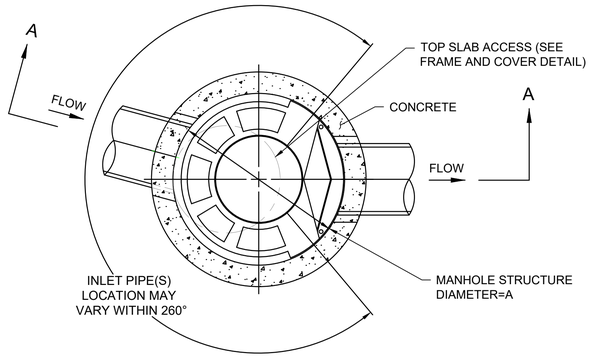
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

DRAINAGE & UTILITY PLAN NO. 1

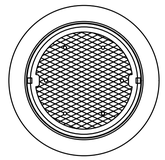
2602D_V1_021_DRAINUTL001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	22	51



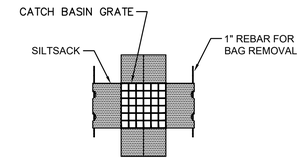
PLAN VIEW B-B

NOT TO SCALE

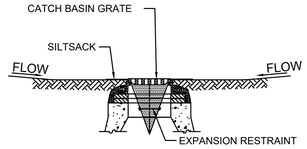


FRAME AND COVER

NOT TO SCALE



PLAN VIEW



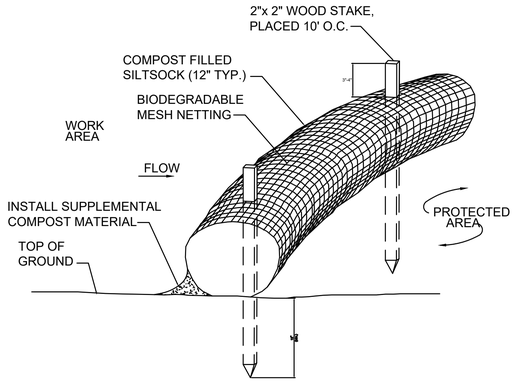
SECTION VIEW

NOTES:

1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILTSACK.
3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

SILT SACK INLET PROTECTION

NOT TO SCALE

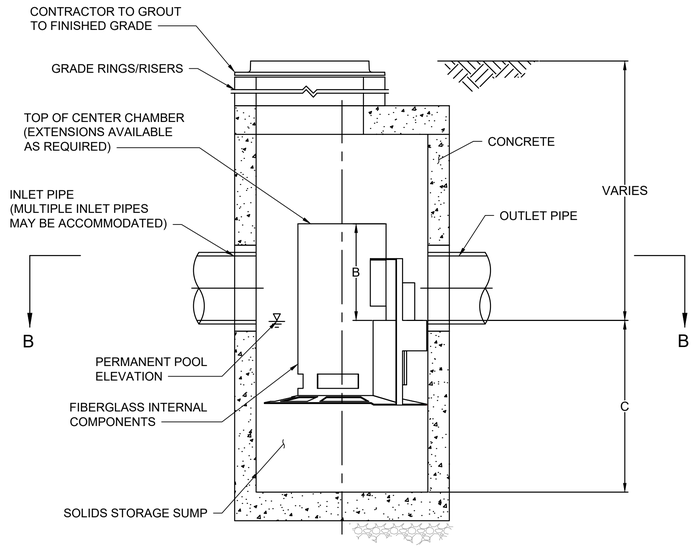


NOTES:

1. FILTER SOCK SHALL OVERLAP A MINIMUM OF 12 INCHES.
2. FILTER SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
3. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
4. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

COMPOST FILTER SOCK

NOT TO SCALE



ELEVATION A-A

NOT TO SCALE

	DIMENSIONS
	SWTD-1
A	4'-0"
B	2'-3"
C	4'-0"

NOTES:

1. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE
2. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S) THAT ARE BEING INTERCEPTED. IF ANY ADDITIONAL PIPE IS REQUIRED, IT WILL BE CONSIDERED INCIDENTAL TO THE STORM WATER TREATMENT DEVICE.
3. PIPE INVERTS SHALL BE SHOWN TO THE ELEVATIONS SHOWN.
4. ALL PIPE CENTERLINES SHALL MATCH THE PIPE OPENING CENTERLINES.
5. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ASSURE EACH UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. ALL JOINTS BELOW PIPE INVERTS SHALL BE GROUTED TO ENSURE EACH STRUCTURE IS WATER TIGHT.

STORM WATER TREATMENT DEVICE (SWTD-1) (SWTD-2)

NOT TO SCALE

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 22
OF: 51

SCALE: 1"=4'
4 0 4 8
SCALE IN FEET

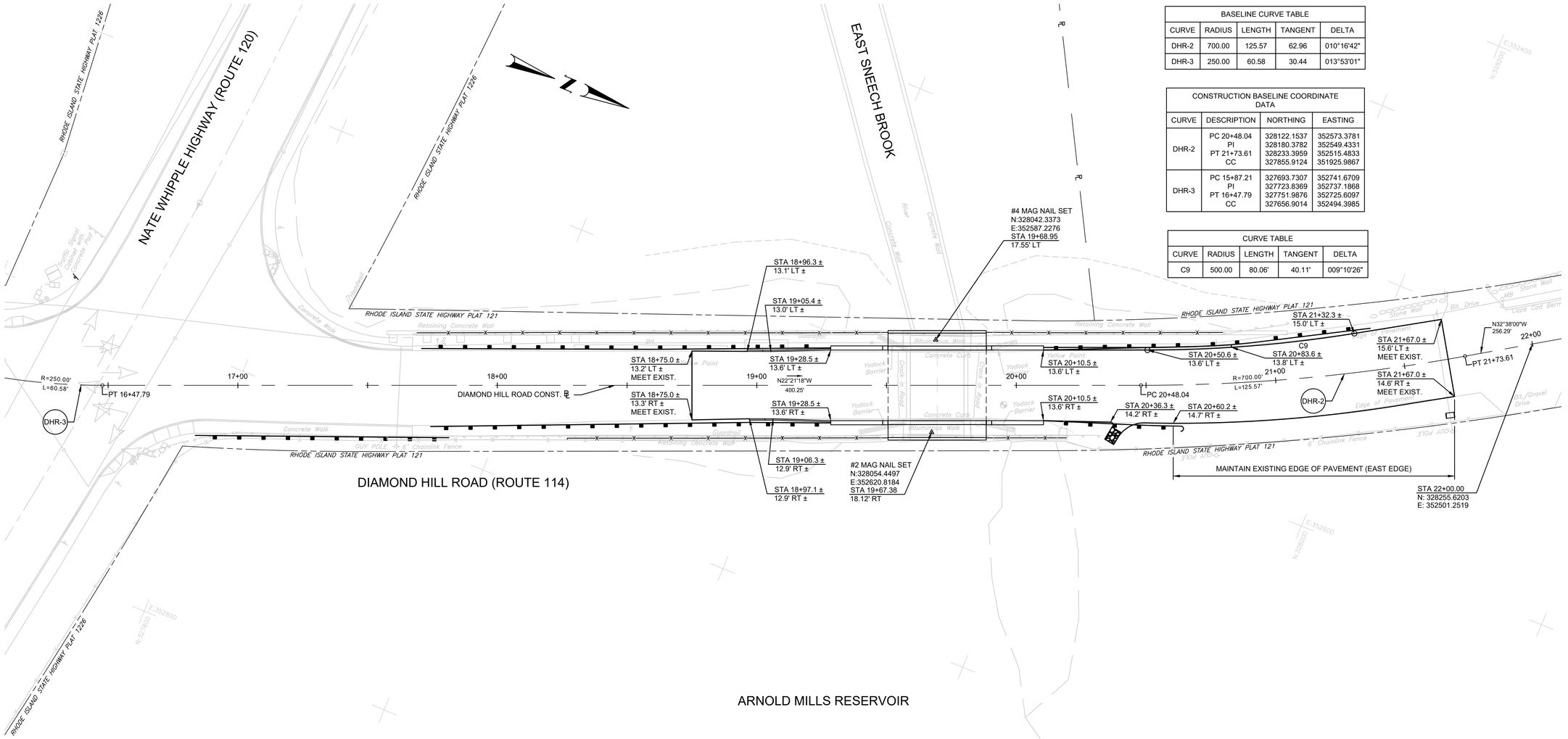
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

DRAINAGE DETAILS NO. 1

2602D_V1_022_DRNDETAIL001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	23	51



BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
DHR-2	700.00	125.57	62.96	010°16'42"
DHR-3	250.00	60.58	30.44	013°53'01"

CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
DHR-2	PC 20+48.04	328122.1537	352573.3781
	PI	328180.3782	352549.4331
	PT 21+73.61	328233.3959	352515.4833
	CC	327855.9124	351925.9867
DHR-3	PC 15+87.21	327693.7307	352741.6709
	PI	327723.8369	352737.1868
	PT 16+47.79	327751.9876	352725.6097
	CC	327656.9014	352494.3985

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C9	500.00	80.06'	40.11'	009°10'26"

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1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 23
OF: 51

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

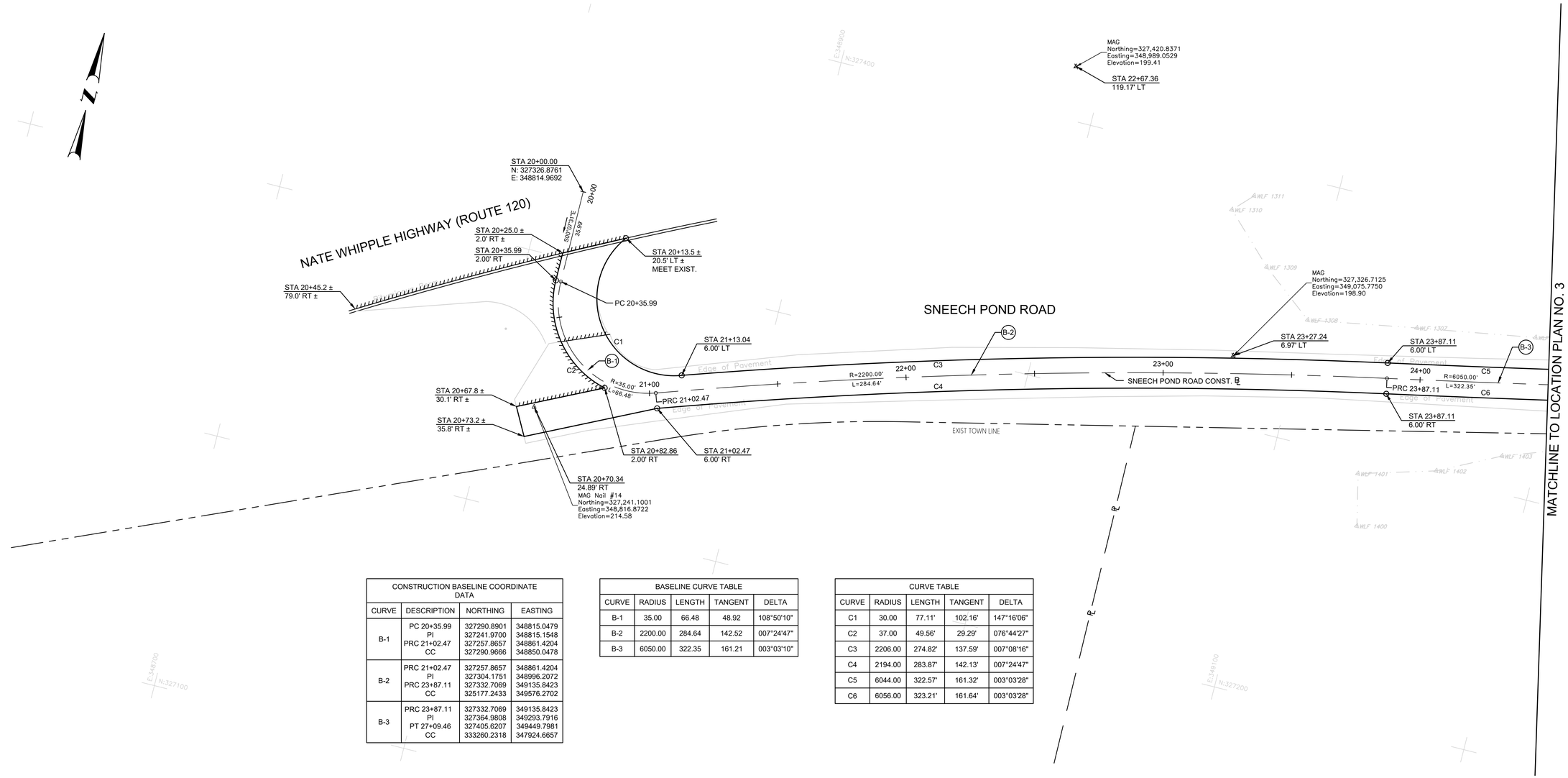
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

LOCATION PLAN NO. 1

2602D_V1_023_LOCATION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	24	51



CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
B-1	PC 20+35.99	327290.8901	348815.0479
	PI	327241.9700	348815.1548
	PRC 21+02.47	327257.8657	348861.4204
	CC	327290.9666	348850.0478
B-2	PRC 21+02.47	327257.8657	348861.4204
	PI	327304.1751	348996.2072
	PRC 23+87.11	327332.7069	349135.8423
	CC	325177.2433	349576.2702
B-3	PRC 23+87.11	327332.7069	349135.8423
	PI	327364.9808	349293.7916
	PT 27+09.46	327405.6207	349449.7981
	CC	333260.2318	347924.6657

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-1	35.00	66.48	48.92	108°50'10"
B-2	2200.00	284.64	142.52	007°24'47"
B-3	6050.00	322.35	161.21	003°03'10"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	30.00	77.11'	102.16'	147°16'06"
C2	37.00	49.56'	29.29'	076°44'27"
C3	2206.00	274.82'	137.59'	007°08'16"
C4	2194.00	283.87'	142.13'	007°24'47"
C5	6044.00	322.57'	161.32'	003°03'28"
C6	6056.00	323.21'	161.64'	003°03'28"

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 24
OF: 51

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

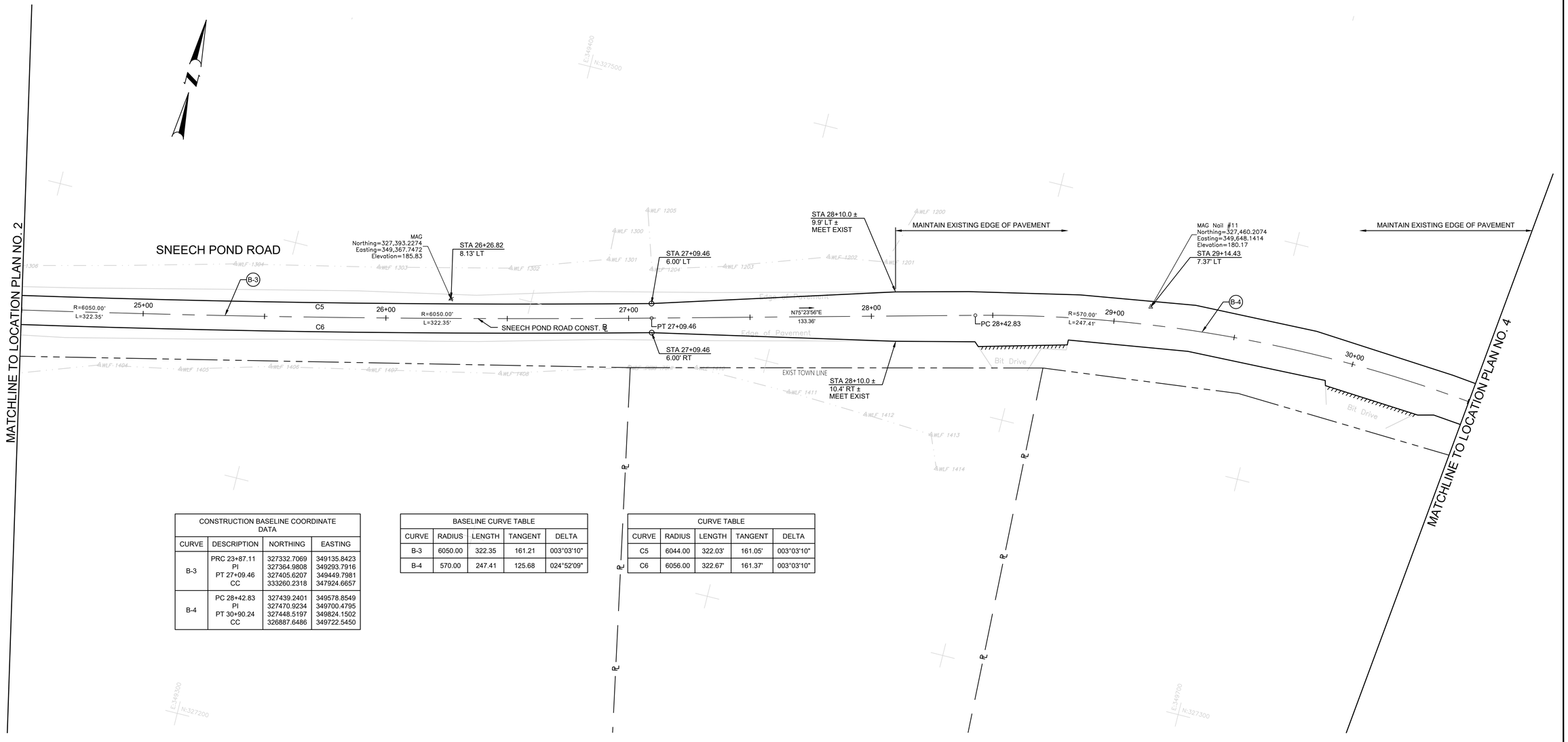
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

LOCATION PLAN NO. 2

2602D_V1_024_LOCATION002

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	25	51



CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
B-3	PRC 23+87.11	327332.7069	349135.8423
	PI	327364.9808	349293.7916
	PT 27+09.46	327405.6207	349449.7981
	CC	333260.2318	347924.6657
B-4	PC 28+42.83	327439.2401	349578.8549
	PI	327470.9234	349700.4795
	PT 30+90.24	327448.5197	349824.1502
	CC	326887.6486	349722.5450

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-3	6050.00	322.35	161.21	003°03'10"
B-4	570.00	247.41	125.68	024°52'09"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C5	6044.00	322.03'	161.05'	003°03'10"
C6	6056.00	322.67'	161.37'	003°03'10"

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 25
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

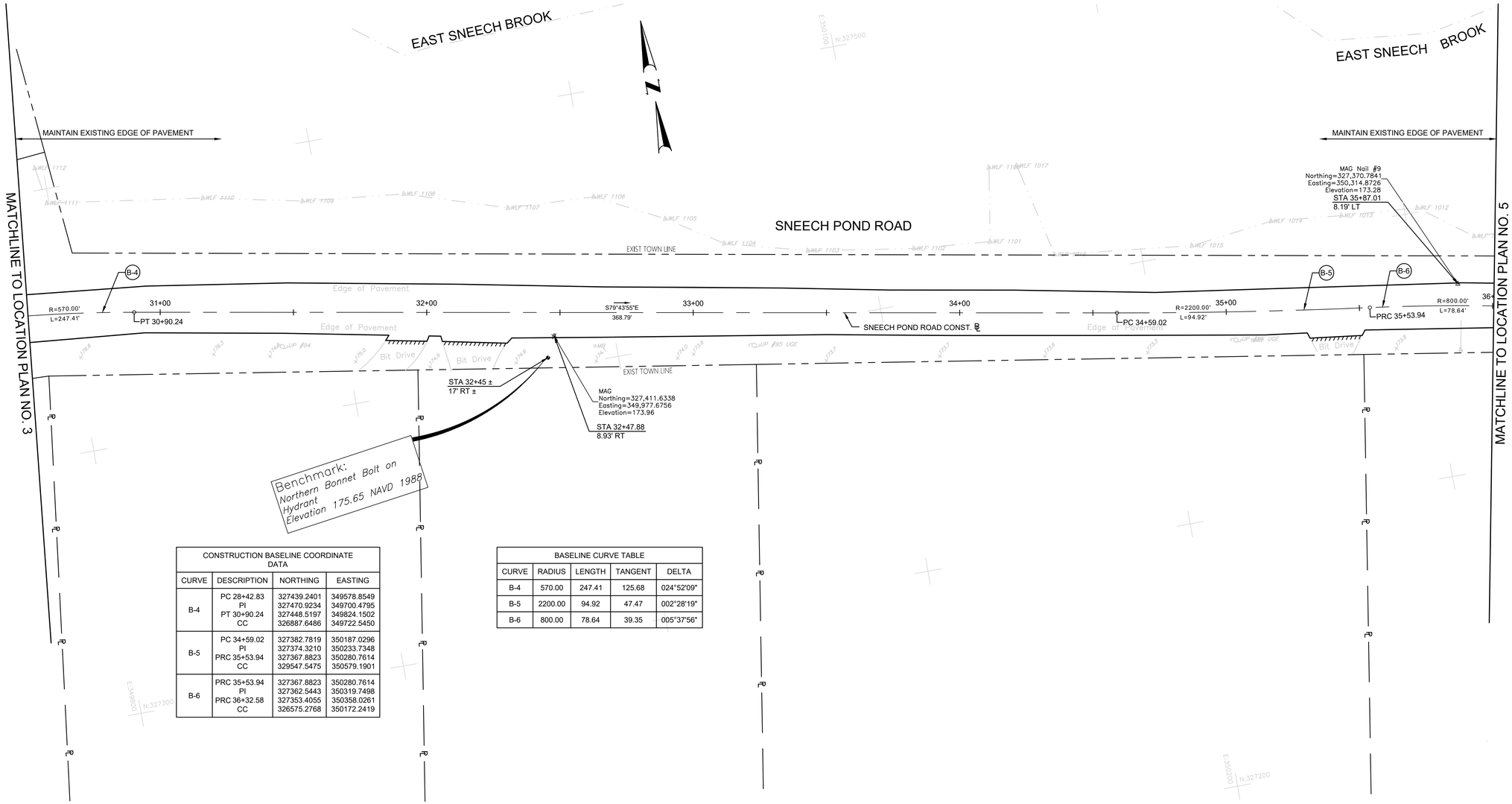
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

LOCATION PLAN NO. 3

2602D_V1_025_LOCATION003

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	26	51



CONSTRUCTION BASELINE COORDINATE DATA

CURVE	DESCRIPTION	NORTHING	EASTING
B-4	PC 28+42.83	327439.2401	349578.8549
	PI	327470.9234	349700.4795
	PT 30+90.24	327448.5197	349824.1502
	CC	326887.6486	349722.5450
B-5	PC 34+59.02	327382.7819	350187.0296
	PI	327374.3210	350233.7348
	PRC 35+53.94	327367.8823	350280.7614
	CC	329547.5475	350579.1901
B-6	PRC 35+53.94	327367.8823	350280.7614
	PI	327362.5443	350319.7498
	PRC 36+32.58	327353.4055	350358.0261
	CC	326575.2768	350172.2419

BASELINE CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-4	570.00	247.41	125.68	024°52'09"
B-5	2200.00	94.92	47.47	002°28'19"
B-6	800.00	78.64	39.35	005°37'56"

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 26
OF: 51

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

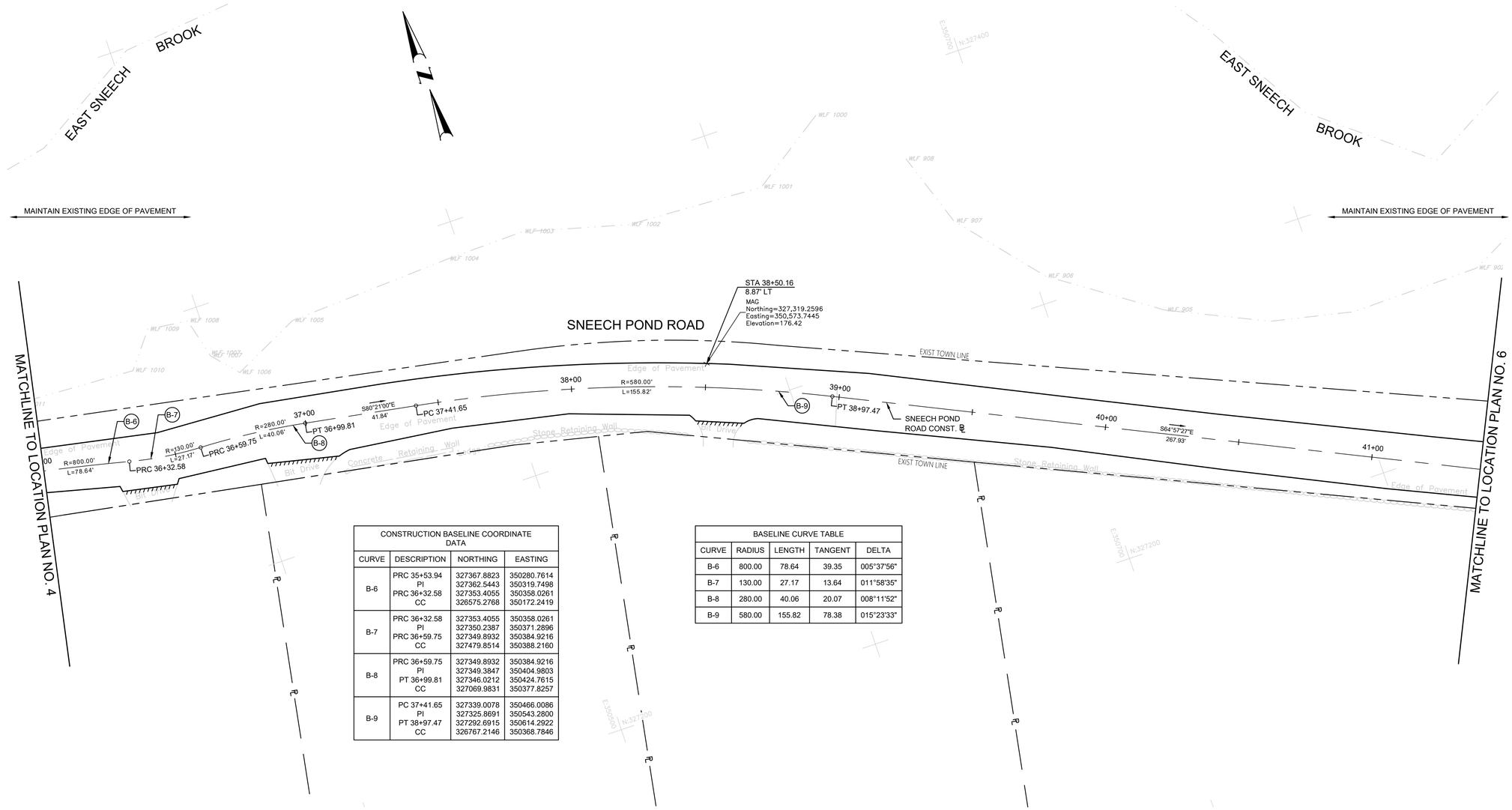
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

LOCATION PLAN NO. 4

2602D_V1_026_LOCATION004

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	27	51



CONSTRUCTION BASELINE COORDINATE DATA

CURVE	DESCRIPTION	NORTHING	EASTING
B-6	PRC 35+53.94	327367.8823	350280.7614
	PI	327362.5443	350319.7498
	PRC 36+32.58	327353.4055	350358.0261
	CC	326575.2768	350172.2419
B-7	PRC 36+32.58	327353.4055	350358.0261
	PI	327350.2387	350371.2896
	PRC 36+59.75	327349.8932	350384.9216
	CC	327479.8514	350388.2160
B-8	PRC 36+59.75	327349.8932	350384.9216
	PI	327349.3847	350404.9803
	PT 36+99.81	327346.0212	350424.7615
	CC	327069.9831	350377.8257
B-9	PC 37+41.65	327339.0078	350466.0086
	PI	327325.8691	350543.2800
	PT 38+97.47	327292.6915	350614.2922
	CC	326767.2146	350368.7846

BASELINE CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-6	800.00	78.64	39.35	005°37'56"
B-7	130.00	27.17	13.64	011°58'35"
B-8	280.00	40.06	20.07	008°11'52"
B-9	580.00	155.82	78.38	015°23'33"

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 27
OF: 51

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

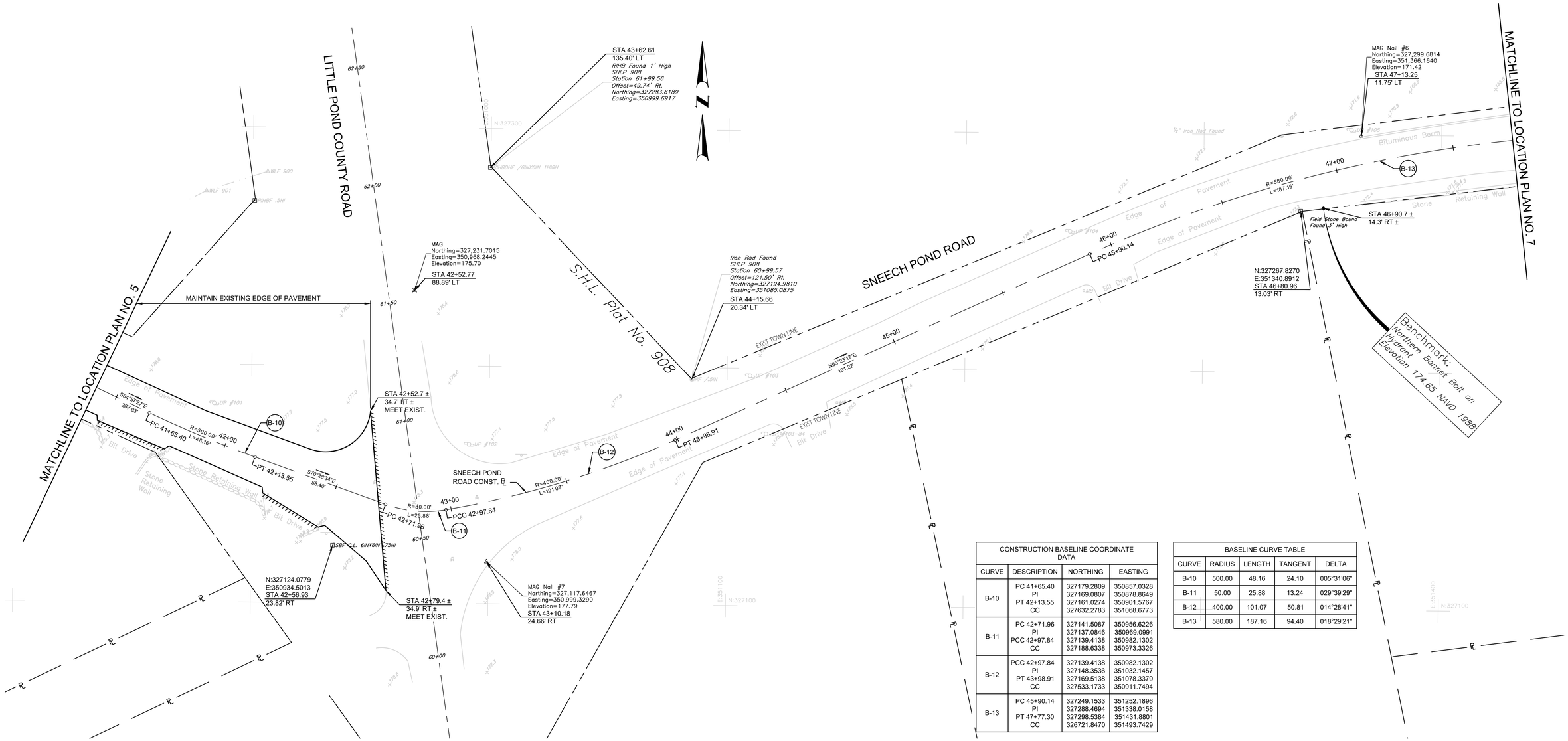
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

LOCATION PLAN NO. 5

2602D_V1_027_LOCATION005

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	28	51



CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
B-10	PC 41+65.40	327179.2809	350857.0328
	PI	327169.0807	350878.8649
	PT 42+13.55	327161.0274	350901.5767
	CC	327632.2783	351068.6773
B-11	PC 42+71.96	327141.5087	350956.6226
	PI	327137.0846	350969.0991
	PCC 42+97.84	327139.4138	350982.1302
	CC	327188.6338	350973.3326
B-12	PCC 42+97.84	327139.4138	350982.1302
	PI	327148.3536	351032.1457
	PT 43+98.91	327169.5138	351078.3379
	CC	327533.1733	350911.7494
B-13	PC 45+90.14	327249.1533	351252.1896
	PI	327288.4694	351338.0158
	PT 47+77.30	327298.5384	351431.8801
	CC	326721.8470	351493.7429

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-10	500.00	48.16	24.10	005°31'06"
B-11	50.00	25.88	13.24	029°39'29"
B-12	400.00	101.07	50.81	014°28'41"
B-13	580.00	187.16	94.40	018°29'21"

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 28
OF: 51

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

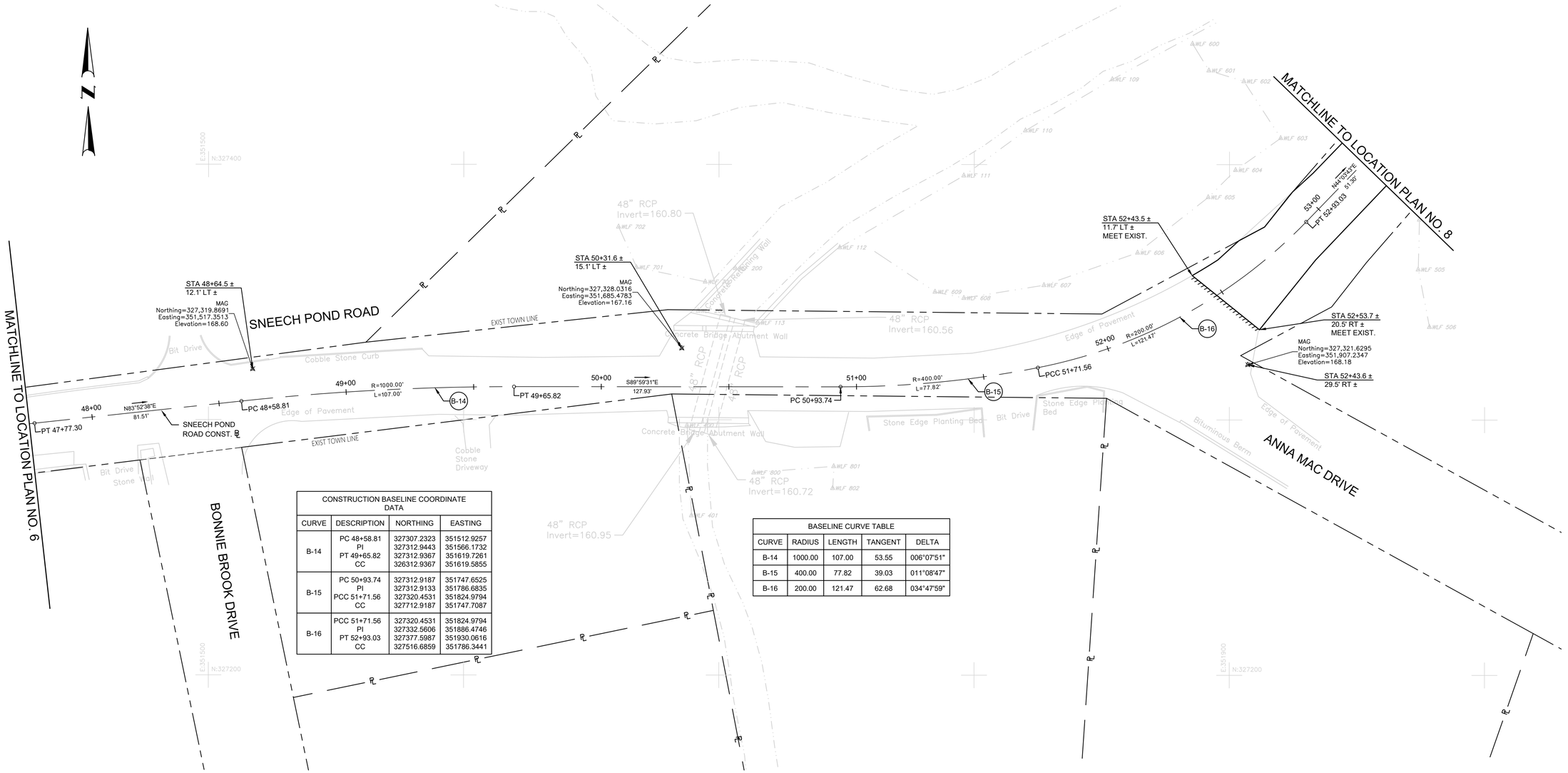
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

LOCATION PLAN NO. 6

2602D_V1_028_LOCATION006

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	29	51



CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
B-14	PC 48+58.81	327307.2323	351512.9257
	PI	327312.9443	351566.1732
	PT 49+65.82	327312.9367	351619.7261
	CC	326312.9367	351619.5855
B-15	PC 50+93.74	327312.9187	351747.6525
	PI	327312.9133	351786.6835
	PCC 51+71.56	327320.4531	351824.9794
	CC	327712.9187	351747.7087
B-16	PCC 51+71.56	327320.4531	351824.9794
	PI	327332.5606	351886.4746
	PT 52+93.03	327377.5987	351930.0616
	CC	327516.6859	351786.3441

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-14	1000.00	107.00	53.55	006°07'51"
B-15	400.00	77.82	39.03	011°08'47"
B-16	200.00	121.47	62.68	034°47'59"

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 29
OF: 51

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

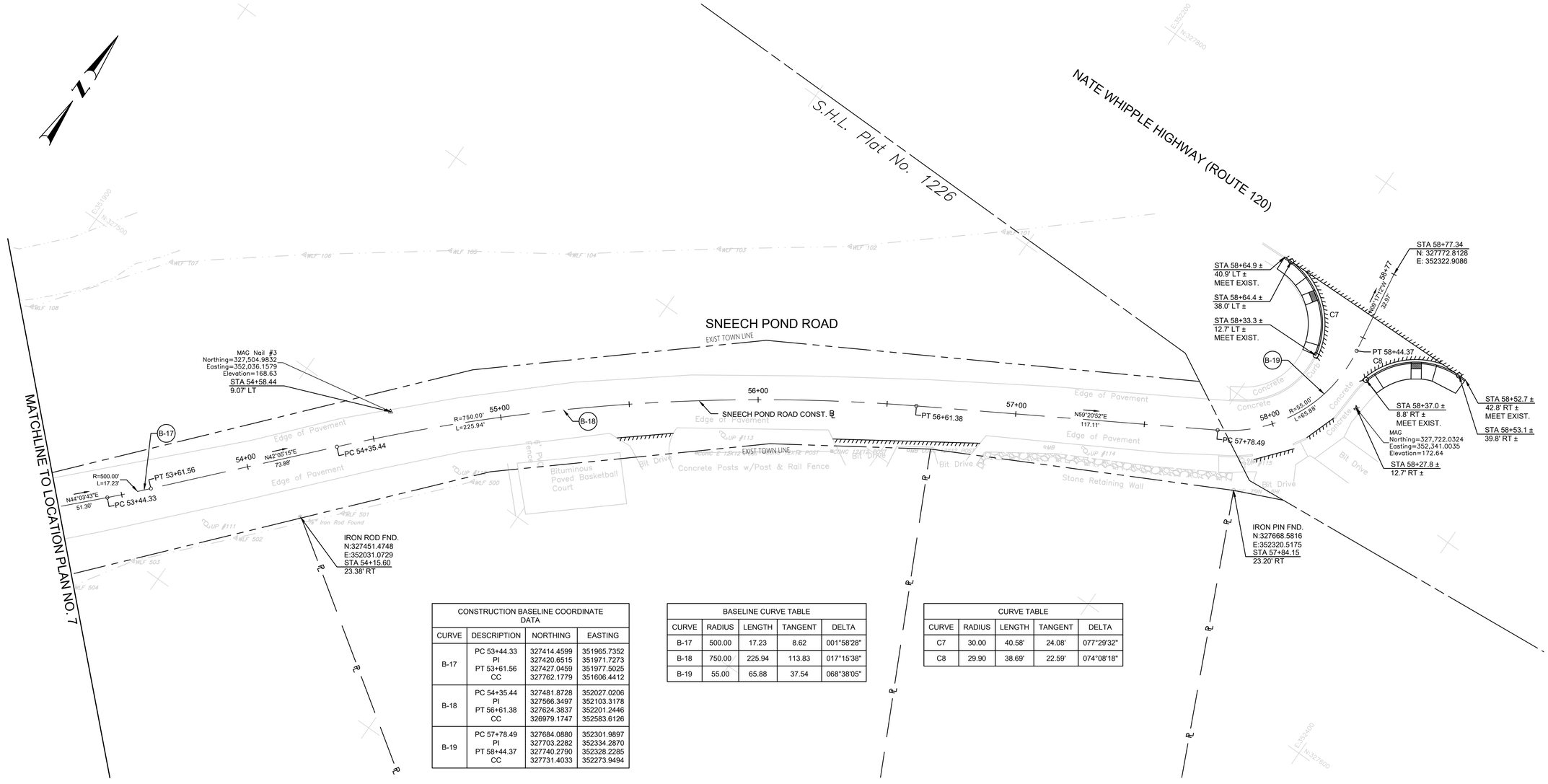
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

LOCATION PLAN NO. 7

2602D_V1_029_LOCATION007

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	30	51



CONSTRUCTION BASELINE COORDINATE DATA			
CURVE	DESCRIPTION	NORTHING	EASTING
B-17	PC 53+44.33	327414.4599	351965.7352
	PI	327420.6515	351971.7273
	PT 53+61.56	327427.0459	351977.5025
	CC	327762.1779	351606.4412
B-18	PC 54+35.44	327481.8728	352027.0206
	PI	327566.3497	352103.3178
	PT 56+61.38	327624.3837	352201.2446
	CC	326979.1747	352583.6126
B-19	PC 57+78.49	327684.0880	352301.9897
	PI	327703.2282	352334.2870
	PT 58+44.37	327740.2790	352328.2285
	CC	327731.4033	352273.9494

BASELINE CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
B-17	500.00	17.23	8.62	001°58'28"
B-18	750.00	225.94	113.83	017°15'38"
B-19	55.00	65.88	37.54	068°38'05"

CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
C7	30.00	40.58'	24.08'	077°29'32"
C8	29.90	38.69'	22.59'	074°08'18"

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 30
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

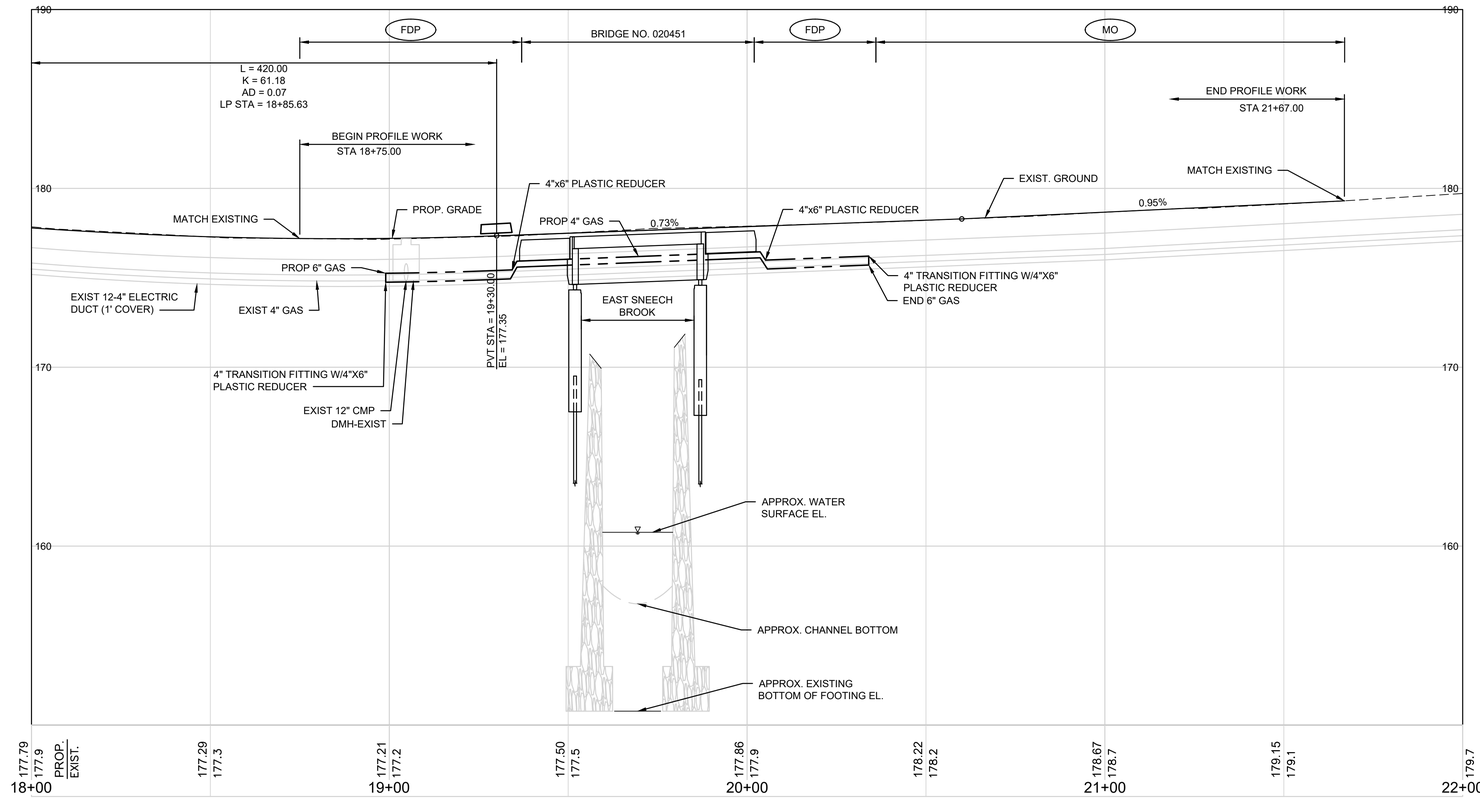
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

LOCATION PLAN NO. 8

2602D_V1_030_LOCATION008

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024–CB–045	2024	31	51



1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 31
OF: 51

SCALE: 1"=20' HORIZ., 1"=4' VERT.
20 0 HORIZONTAL 20 40
4 0 VERTICAL SCALE IN FEET 8 16

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

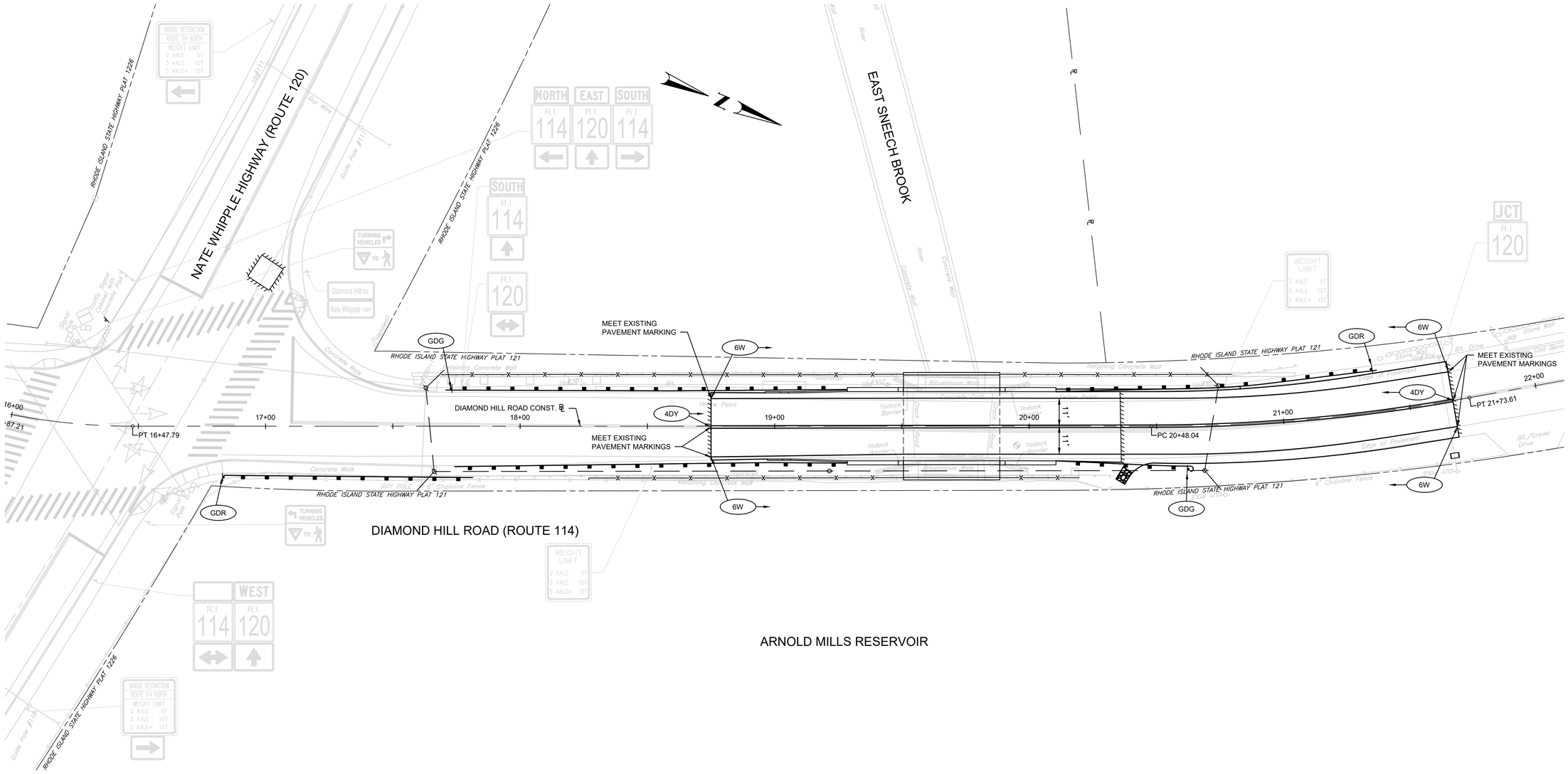
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

PROFILE

2602D_V1_031_PROFILE

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	32	51



1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 32
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

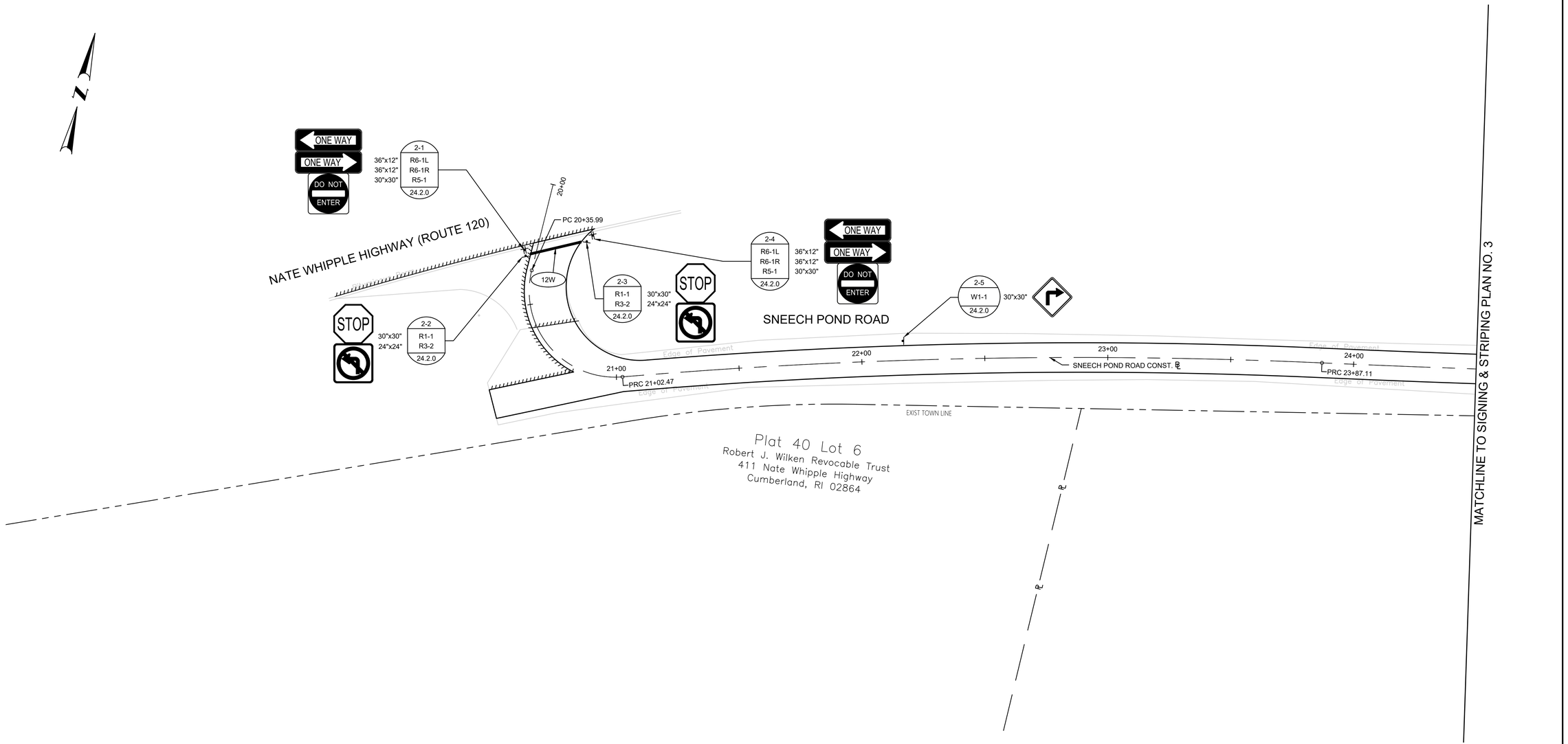
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

SIGNING & STRIPING PLAN NO. 1

2602D_V1_032_SIGNSTPE001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	33	51



vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 33
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

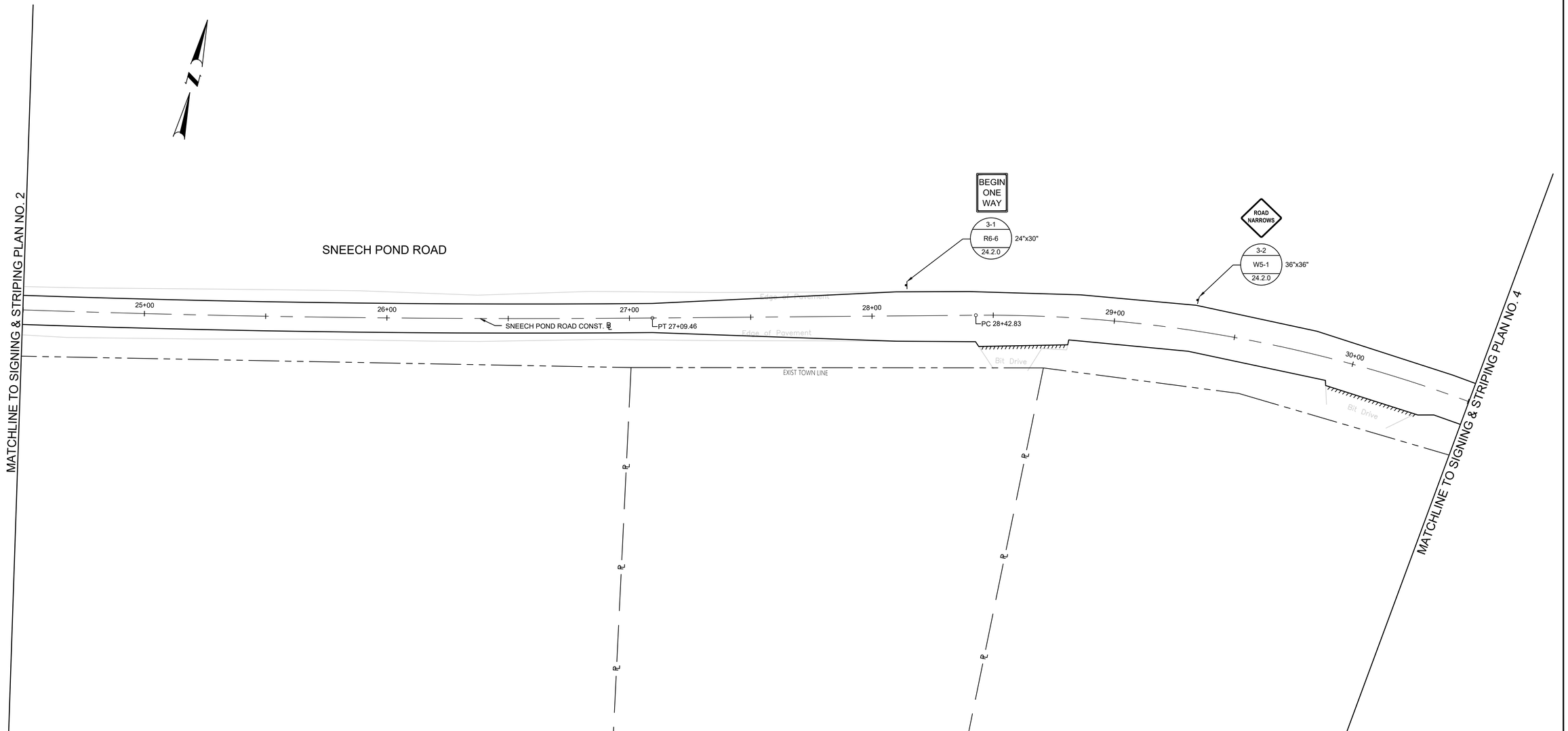
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND — RHODE ISLAND

SIGNING & STRIPING PLAN NO. 2

2602D_V1_033_SIGNSTPE002

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	34	51



vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 34
OF: 51

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

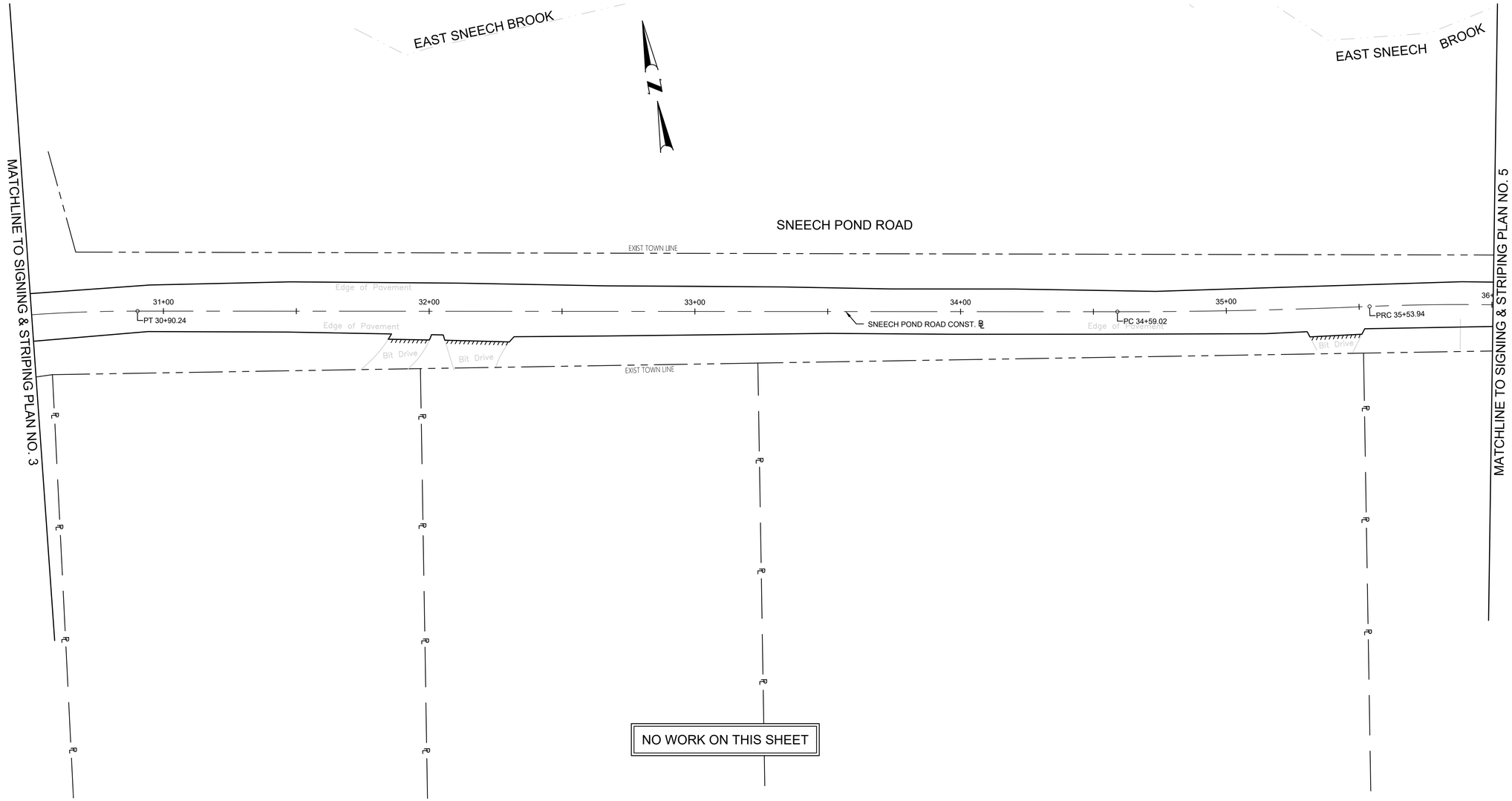
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

SIGNING & STRIPING PLAN NO. 3

2602D_V1_034_SIGNSTPE003

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	35	51



1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 35
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

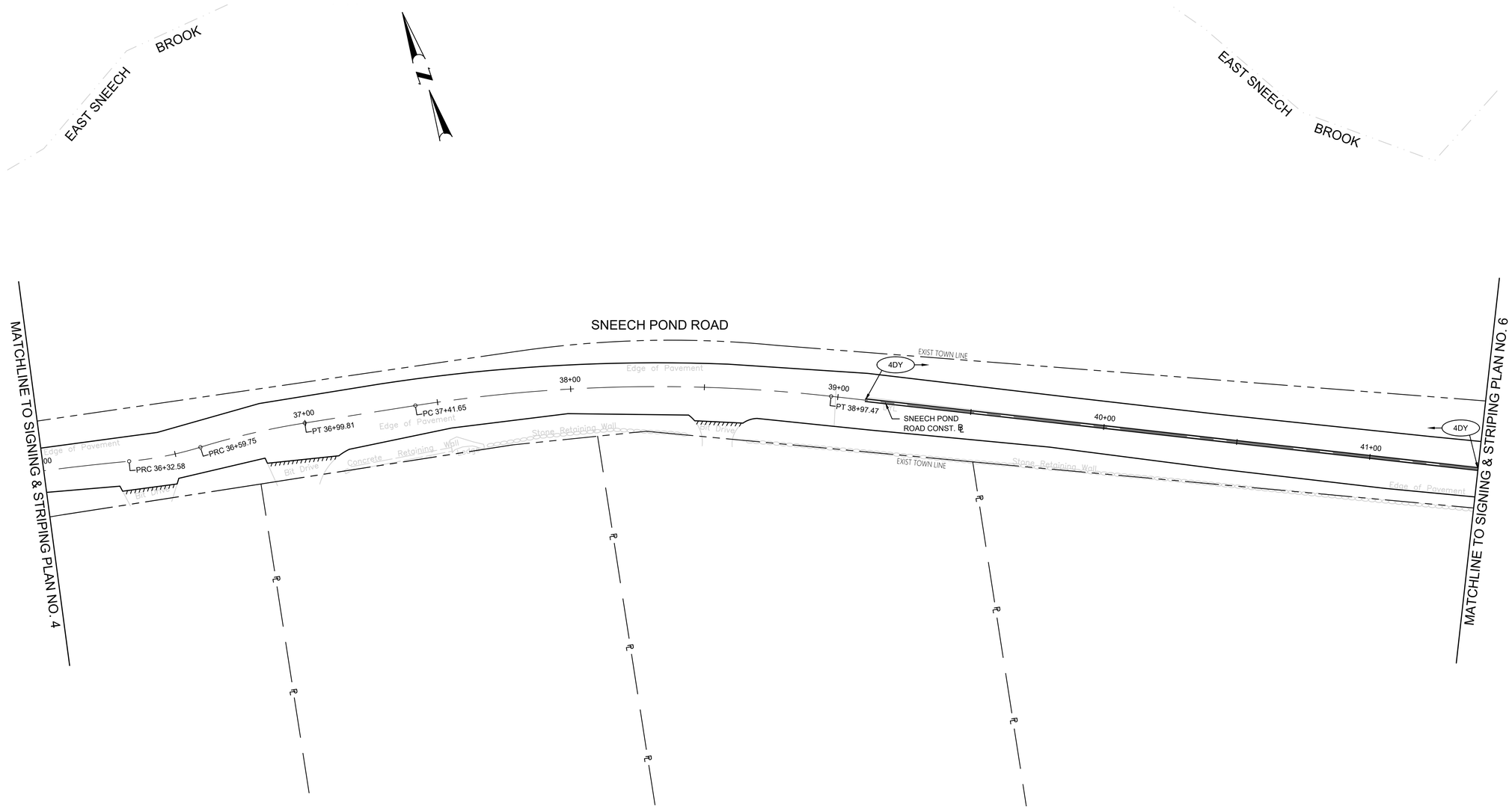
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

SIGNING & STRIPING PLAN NO. 4

2602D_V1_035_SIGNSTPE004

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	36	51



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1 Cedar Street
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401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 36
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

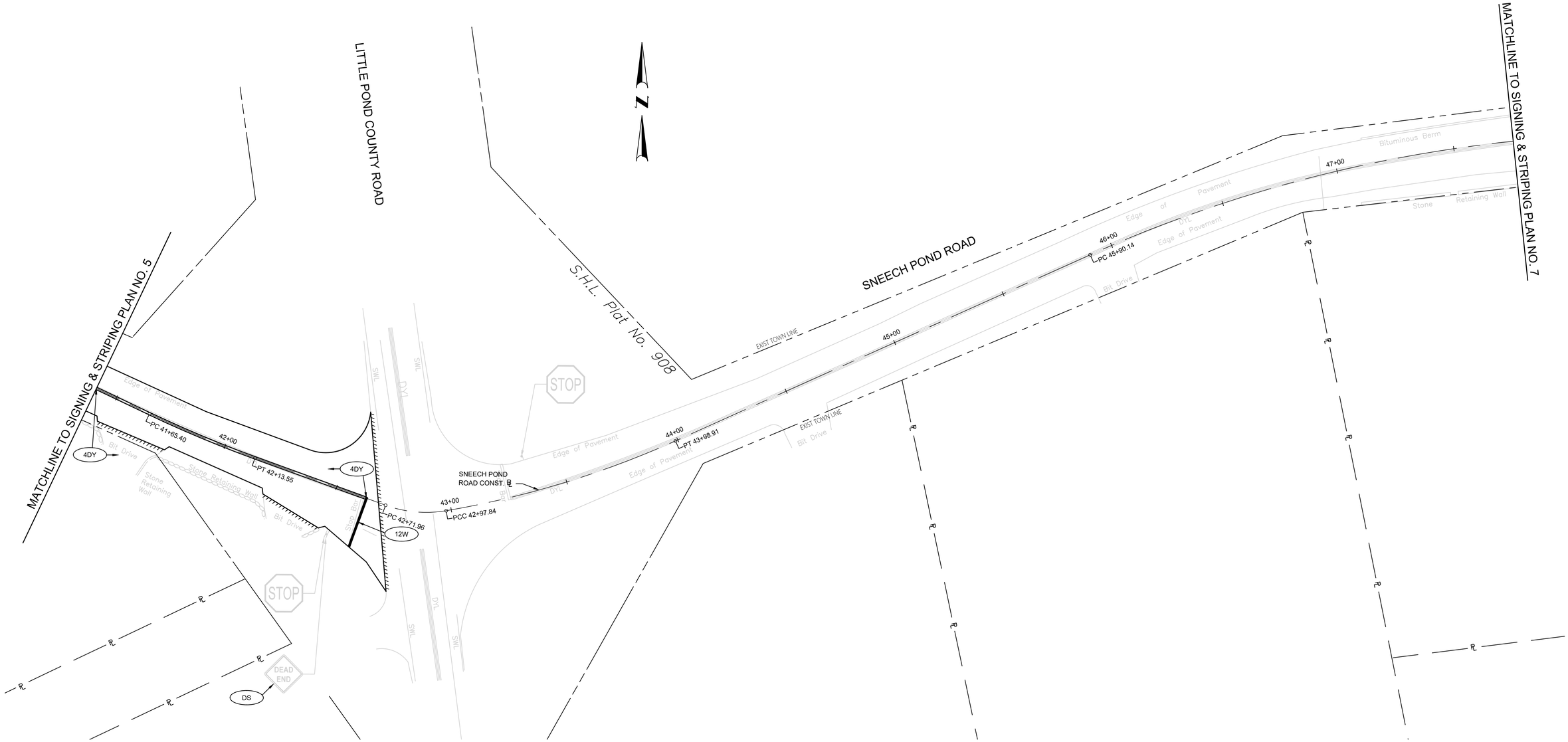
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

SIGNING & STRIPING PLAN NO. 5

2602D_V1_036_SIGNSTPE005

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	37	51



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1 Cedar Street
Suite 400
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401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 37
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

SIGNING & STRIPING PLAN NO. 6

2602D_V1_037_SIGNSTPE006

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	38	51

1 Cedar Street
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Providence, RI 02903
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SHEET: 38
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

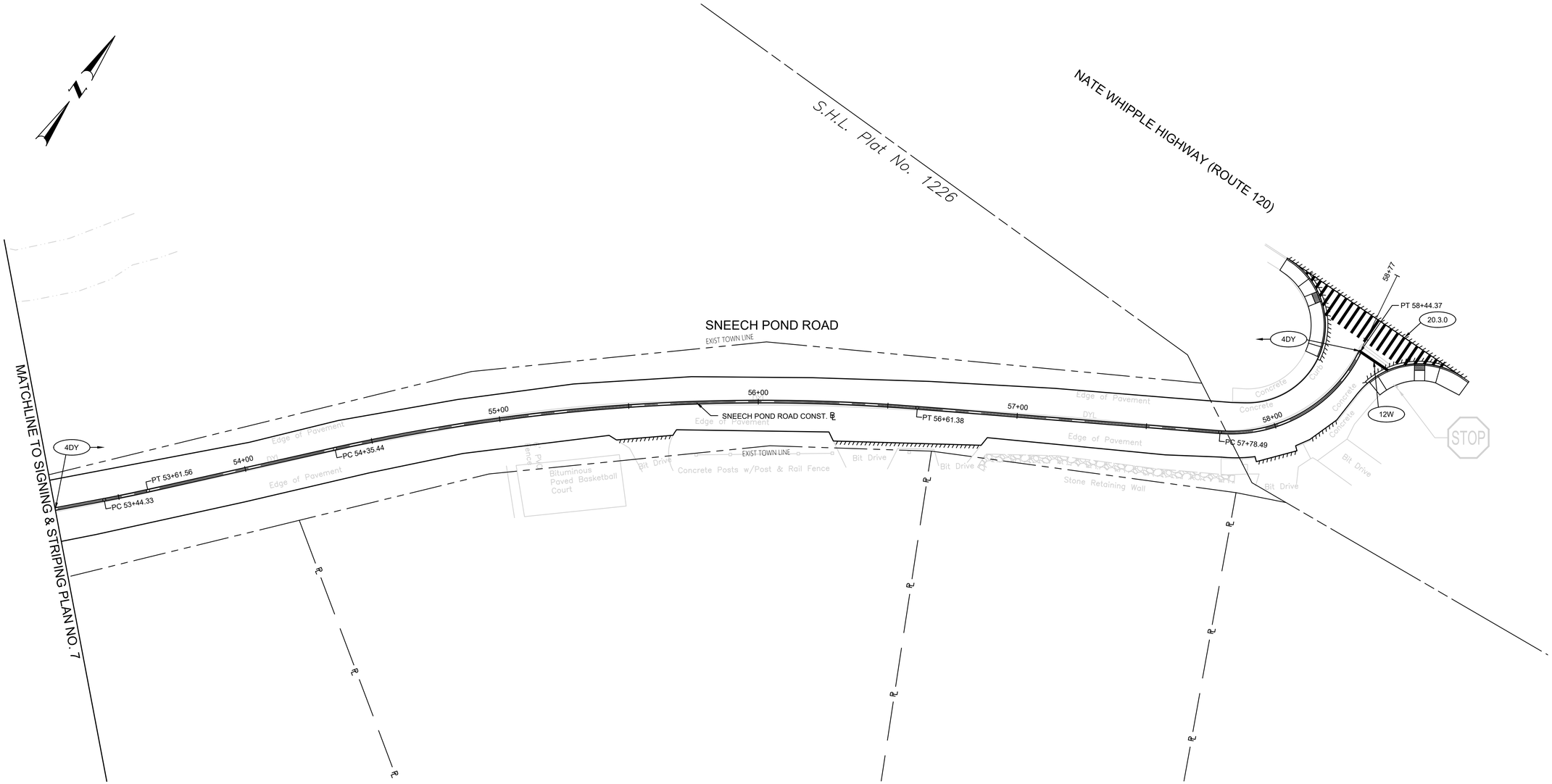
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

SIGNING & STRIPING PLAN NO. 7

2602D_V1_038_SIGNSTPE007

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	39	51



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1 Cedar Street
Suite 400
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401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 39
OF: 51

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

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

SIGNING & STRIPING PLAN NO. 8

2602D_V1_039_SIGNSTPE008

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	40	51

TRAFFIC CONTROL GENERAL NOTES:

1. SEE RHODE ISLAND STANDARD 27.1.1 FOR SIGN DIMENSIONS AND PLACEMENT FOR WORK ZONE TRAFFIC FINES SIGN.
2. CONE SPACING SHALL BE 10' O.C. WITHIN SHOULDER AND LANE TAPERS AND TRANSITION AREAS AND 20' O.C. WITHIN ALL OTHER AREAS, UNLESS OTHERWISE NOTED.
3. ALL CONES SHALL CONFORM TO R.I. STANDARD 26.1.0.
4. 11' MINIMUM LANE WIDTHS SHALL BE MAINTAINED UNLESS OTHERWISE NOTED ON THE PLANS.
5. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SETUPS SHALL BE IN CONFORMANCE WITH THE 2023 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND RHODE ISLAND DEPARTMENT OF TRANSPORTATION GUIDELINES.
6. ALL TRAFFIC CONTROL SETUPS SHALL BE COORDINATED WITH ADJACENT CONCURRENT CONSTRUCTION CONTRACTS TO DETERMINE IF SIGNS AND SETUPS SPECIFIED ARE APPROPRIATE.
7. ALL TEMPORARY CONSTRUCTION SIGNS SHALL HAVE BLACK LEGEND ON ORANGE BACKGROUND AND SHALL BE INSTALLED ACCORDING TO THE RHODE ISLAND STANDARDS 24.3.0 & 29.1.0.
8. ALL TRAFFIC CONTROL DEVICES, UNLESS OTHERWISE NOTED, SHALL CONFORM TO APPLICABLE SPECIFICATIONS OF THE M.U.T.C.D. PART 6, 2023 EDITION AND STANDARD HIGHWAY SIGNS, CURRENT EDITIONS. ALL SIGNS AND CONES SHALL BE REFLECTORIZED.
9. EXISTING OR TEMPORARY SIGNS WHICH ARE IN CONFLICT WITH DAILY TRAFFIC MANAGEMENT SETUPS SHALL BE COVERED. IMMEDIATELY PRIOR TO COMPLETION, CONTRACTOR SHALL UNCOVER SIGNS AS DIRECTED BY THE ENGINEER. TEMPORARY CONSTRUCTION SIGNS INSTALLED BY THE CONTRACTOR SHALL BE REMOVED OR COVERED WHEN NOT IN USE.
10. WORKERS SHALL WEAR RETROREFLECTIVE PERSONAL PROTECTIVE EQUIPMENT (PPE) IN ACCORDANCE WITH THE MUTCD AND FHWA REQUIREMENTS.
11. ANY CONSTRUCTION SIGNS THAT ARE PLACED BEHIND CHANNELIZING DEVICES MUST BE MOUNTED AT A HEIGHT THAT WILL MAKE THEM VISIBLE TO MOTORISTS.
12. SIGNS INSTALLED ON PORTABLE STANDS REQUIRE 12 INCH MINIMUM MOUNTING HEIGHT ABOVE THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGN.
13. TYPICAL LANE CLOSURE DETAILS DEPICT THE MINIMAL REQUIREMENTS FOR MAINTENANCE OF TRAFFIC. THE DETAILS SHALL BE USED AS A GUIDE TO PROVIDE TRAFFIC MANAGEMENT FOR DAILY OPERATIONS AND MAY BE MODIFIED AT THE DISCRETION OF RIDOT.
14. POLICE DETAILS/FLAGGERS SHALL ASSIST WITH TRAFFIC CONTROL INCLUDING ASSISTING PEDESTRIANS AND ANY OVERSIZED VEHICLES TO SAFELY PASS THROUGH THE WORK ZONE, AS NEEDED.
15. TO MINIMIZE THE IMPACTS TO TRAFFIC FLOW, THE CONTRACTOR SHALL LIMIT THE WORK AREA TO THE ACTUAL LIMIT OF WORK WITHIN THE ALLOWED WORK ZONES AND SHALL NOT TAKE THE ENTIRE WORK ZONE UNLESS IT IS REQUIRED FOR THE SPECIFIC ITEMS OF WORK BEING PERFORMED AND IS APPROVED BY THE ENGINEER.
16. THE ENGINEER SHALL NOTIFY EACH ABUTTER APPROXIMATELY 48 TO 72 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OR RESTRICTION OF ACCESS.
17. SAFE ACCESS AND EGRESS TO ALL DRIVEWAYS AND STREETS MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
18. LIGHTING UNITS SHALL BE REQUIRED FOR ALL NIGHT-TIME CONSTRUCTION OPERATIONS IN ACCORDANCE WITH THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
19. THE CONTRACTOR SHALL SECURE WORK AREAS TO PREVENT UNAUTHORIZED ACCESS AT ALL TIMES.
20. TEMPORARY CONSTRUCTION SIGNS AND BARRICADES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
21. ALL TEMPORARY CONSTRUCTION SIGNS SHALL BE REMOVED OR COVERED WHEN NOT REQUIRED.
22. AT NO TIME SHALL CONES OR BARRICADES BE ALLOWED TO COVER PAVEMENT MARKINGS OR EXTEND INTO ANY OPEN TRAVEL LANE.
23. POLICE OFFICER AHEAD W20-7(MOD) SIGNS SHALL BE UTILIZED IF A POLICE OFFICER IS ACTIVELY CONTROLLING TRAFFIC.
24. AT NO TIME SHALL PERSONAL VEHICLES OR UNNECESSARY CONSTRUCTION EQUIPMENT BE LOCATED WITHIN THE RIDOT RIGHT-OF-WAY.
25. TRAFFIC CONTROL SETUPS SHOWN MAY NEED TO BE ADJUSTED/MODIFIED AND APPROVED BY RIDOT TO ACCOMMODATE VARIOUS PHASES OF CONSTRUCTION.
26. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING APPROPRIATE TRAFFIC CONTROL DEVICES AS NEEDED DURING CONSTRUCTION. ALL TRAFFIC CONTROL SHALL BE APPROVED BY THE ENGINEER.
27. THE CONTRACTOR SHALL REMOVE PAVEMENT MARKINGS (BY APPROVED METHODS) AS NECESSARY PRIOR TO THE START OF A NEW CONSTRUCTION PHASE, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
28. SYMBOLS SHOWN FOR SIGNS AND TYPE III BARRICADES ARE GRAPHICAL ONLY. WHERE SIDEWALKS ARE TO REMAIN OPEN, SIGNS AND BARRICADES SHALL BE LOCATED TO PROVIDE A MINIMUM CLEAR PEDESTRIAN PATH OF 48" (EXCLUDING CURB).
29. TRUCK MOUNTED ATTENUATORS ON ROADWAYS WITH A POSTED SPEED OF 30 MPH OR LESS MAY BE USED AT CONTRACTOR'S OPTION. AT ALL OTHER LOCATIONS, TRUCK MOUNTED ATTENUATORS WILL BE REQUIRED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
30. THE CONTRACTOR SHALL PROVIDE CLEAR ZONES AROUND TRUCK MOUNTED IMPACT ATTENUATOR DEVICES AS REQUIRED BY THE MANUFACTURER.

TRAFFIC CONTROL PLANS SYMBOL LEGEND:

- TEMPORARY CONSTRUCTION SIGN. TYPE NOTED
- FLOURESCENT TRAFFIC CONE, R.I. STD. 26.1.0
- FLAGGER
- TRUCK MOUNTED ATTENUATOR WITH FLASHING ARROW
- PLASTIC TYPE III BARRICADE R.I. STD. 26.3.0
- WORK ZONE
- TRAFFIC LANE DURING CONSTRUCTION

TAPER AND BUFFER LENGTHS

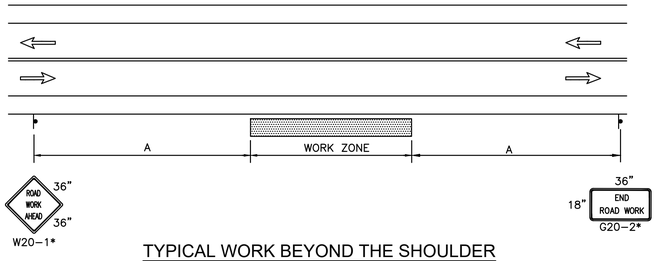
SPEED LIMIT	TAPER LENGTH (L) FEET	BUFFER SPACE FEET
25 MPH	125	155
35 MPH	245	250

MINIMUM ADVANCE WARNING SIGN SPACING

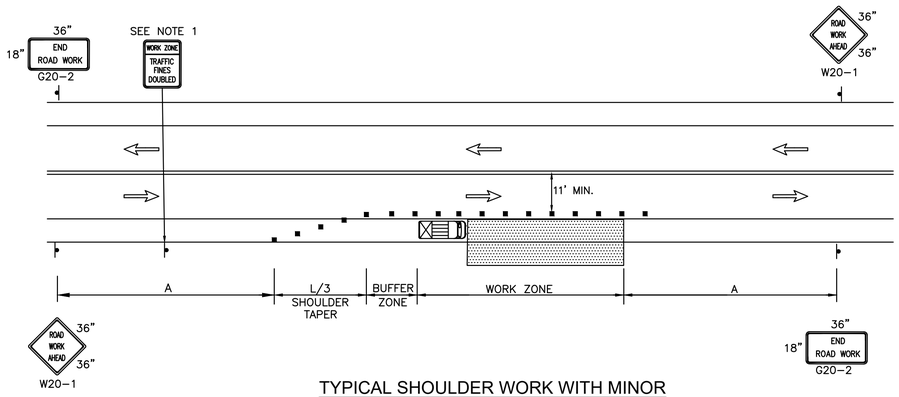
	DISTANCE BETWEEN SIGNS (FEET)		
	A	B	C
30 MPH OR LESS URBAN OR RURAL AREA	100	100	100
35 MPH OR GREATER URBAN AREA	350	350	350

ROADWAY SEGMENT POSTED SPEED LIMIT

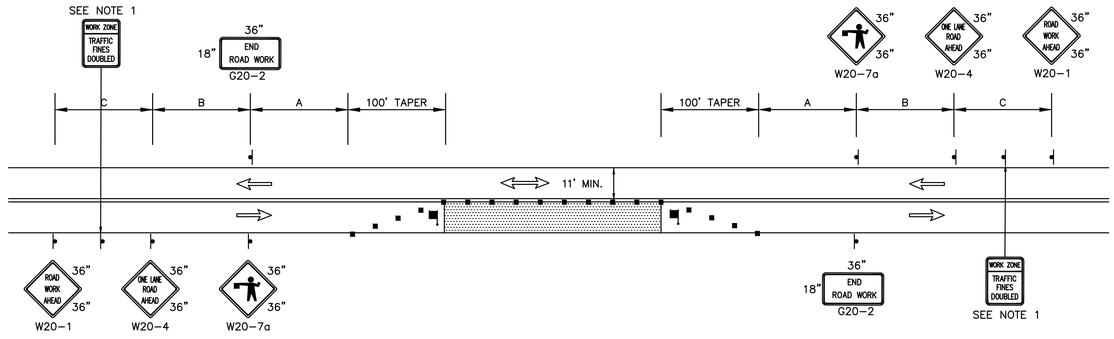
POSTED SPEED LIMIT	ROADWAY SEGMENT	CITY
25 MPH	– SNEECH POND ROAD	CUMBERLAND
35 MPH	– DIAMOND HILL ROAD (ROUTE 114)	CUMBERLAND



TYPICAL WORK BEYOND THE SHOULDER
NOT TO SCALE



TYPICAL SHOULDER WORK WITH MINOR ENCROACHMENT
NOT TO SCALE



TYPICAL ONE-LANE CLOSURE WITH ALTERNATING TRAFFIC
NOT TO SCALE

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 40
OF: 51

SCALE: NOT TO SCALE

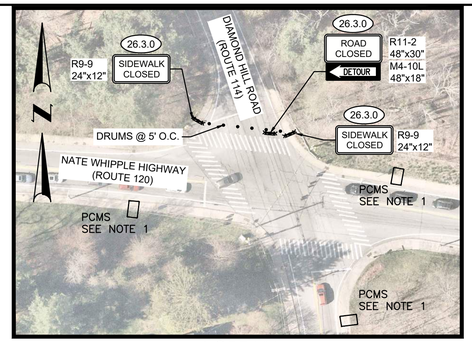
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

TRAFFIC CONTROL PLAN NO. 1

2602D_V1_040_TCONTROL001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	41	51



INSET "A"
1"=50'

NOTES:
1. ALL PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL DISPLAY THE FOLLOWING MESSAGES:

DIAMOND HILL RD	BRIDGE CLOSED X/X-X/X	DISPLAYED FOR A TWO WEEK PERIOD IN ADVANCE OF EACH WEEKEND CLOSURE
ROAD CLOSED AHEAD	FOLLOW DETOUR	DISPLAYED FOR THE DURATION OF EACH WEEKEND CLOSURE

DIAMOND HILL ROAD (ROUTE 114)
M4-8a 24"x18" END DETOUR
W20-2 36"x36" DETOUR AHEAD
350'
M4-8P 24"x12" DETOUR NORTH R.I. 121 M3-1P 24"x12" M1-5 30"x24"
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-3P 21"x15"
PINE SWAMP ROAD (ROUTE 114)
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
M4-8P 24"x12" DETOUR NORTH R.I. 121 M3-1P 24"x12" M1-5 30"x24" M6-1PR 21"x15"
M4-8P 24"x12" DETOUR NORTH R.I. 114
COVER EXISTING SIGN
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PR 21"x15"
GEORGIANA DRIVE
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PR 21"x15"
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
M4-8P 24"x12" DETOUR NORTH R.I. 121
COVER EXISTING SIGN
WRENTHAM ROAD (ROUTE 121)
COVER EXISTING SIGN
PCMS SEE NOTE 1
PCMS SEE NOTE 1
350'
W20-2 36"x36" DETOUR AHEAD
M4-8a 24"x18" END DETOUR
COVER EXISTING SIGNS
R11-3a 60"x30" ROAD CLOSED 1 1/2 MILES AHEAD LOCAL TRAFFIC ONLY
M4-10R 48"x18" DETOUR
26.3.0
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-3P 21"x15"
WEST WRENTHAM ROAD
TOWER HILL ROAD
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
DIAMOND HILL ROAD (ROUTE 114)
RESERVOIR ROAD
M4-8P 24"x12" DETOUR NORTH R.I. 114 M3-1P 24"x12" M1-5 30"x24" M6-3P 21"x15"
W20-3 36"x36" ROAD CLOSED 1000 FT
W20-3 36"x36" ROAD CLOSED 500 FT
M4-8P 24"x12" DETOUR NORTH R.I. 114 M3-1P 24"x12" M1-5 30"x24" M6-1PR 21"x15"
ROAD CLOSED
R11-2 48"x30"
26.3.0
DRUMS @ 5' O.C.
WORK ZONE
SEE INSET "A"
COVER EXISTING SIGN
WEST R.I. 120
350'
350'
350'
M4-8P 24"x12" DETOUR NORTH R.I. 114 M3-1P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
SNEECH POND ROAD
DETOUR AHEAD W20-2 36"x36"
M4-8P 24"x12" DETOUR NORTH R.I. 114 M3-1P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
COVER EXISTING SIGNS
EAST R.I. 120
M4-8P 24"x12" DETOUR SOUTH R.I. 114
M4-8a 24"x18" END DETOUR
DETOUR AHEAD W20-2 36"x36"
ROAD CLOSED AHEAD W20-3 36"x36"
M4-8P 24"x12" DETOUR NORTH R.I. 114 M3-1P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
M4-8P 24"x12" DETOUR NORTH R.I. 114 M3-1P 24"x12" M1-5 30"x24" M6-1PR 21"x15"
M4-8P 24"x12" DETOUR NORTH R.I. 114 M3-1P 24"x12" M1-5 30"x24" M6-3P 21"x15"
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
M4-8P 24"x12" DETOUR SOUTH R.I. 114 M3-3P 24"x12" M1-5 30"x24" M6-1PL 21"x15"
MANVILLE HILL ROAD
MENDON ROAD (ROUTE 122)
NATE WHIPPLE HIGHWAY (ROUTE 120)
LITTLE POND COUNTY ROAD
ABBOTT RUN VALLEY ROAD

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 41
OF: 51

SCALE: 1"=800'
800 0 800 1600
SCALE IN FEET

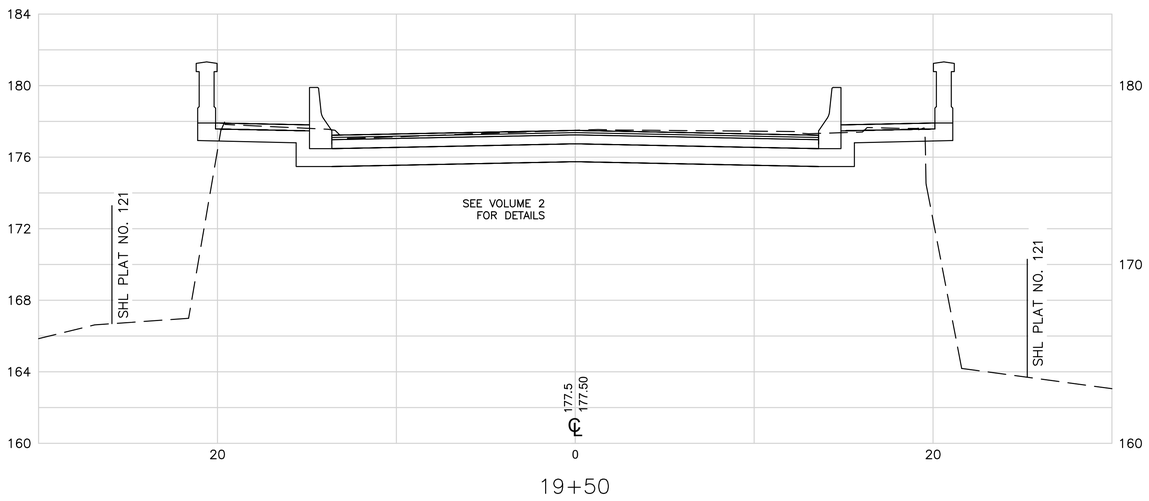
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

DETOUR PLAN NO. 1

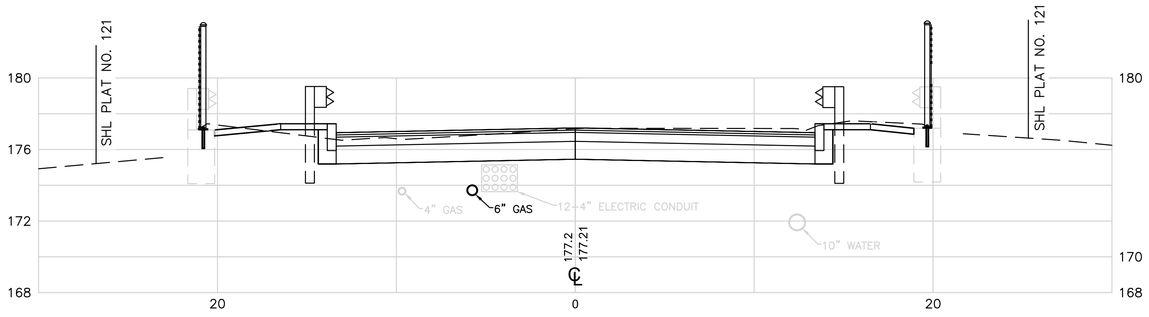
2602D_V1_041_DETOUR001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	42	51



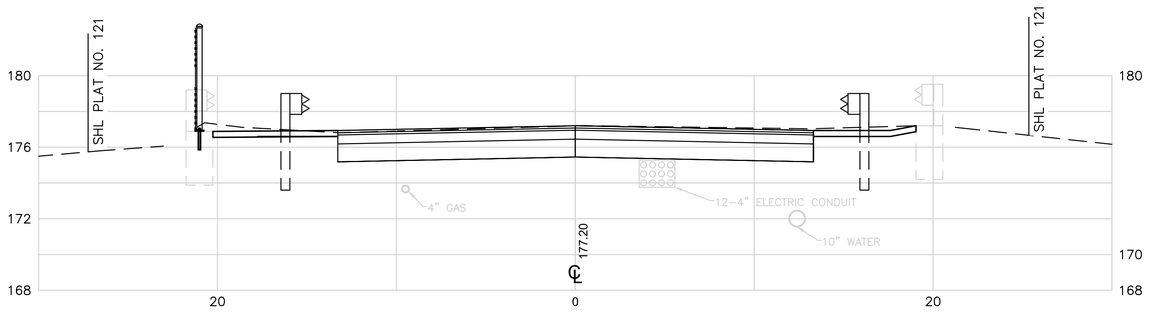
19+50

CUT (SF)	–
FILL (SF)	–



19+00

CUT (SF)	1.41
FILL (SF)	0.74



18+75

CUT (SF)	12.25
FILL (SF)	0.00

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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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DATE:
SHEET: 42
OF: 51

SCALE: 1"=4'
4 0 4 8
SCALE IN FEET

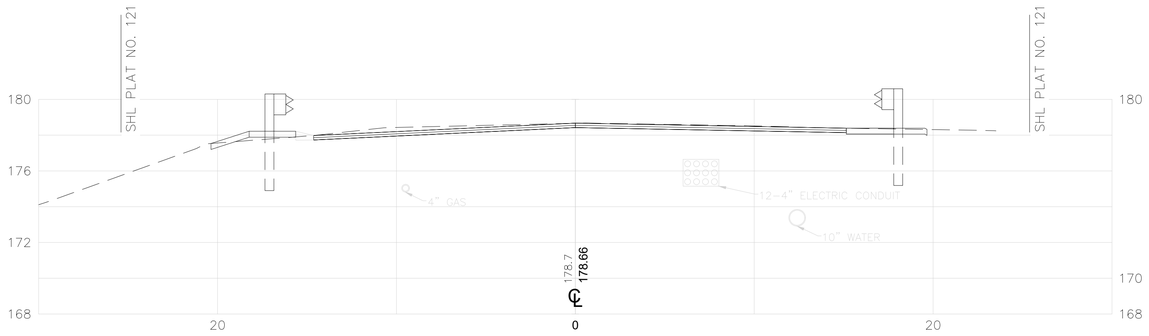
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

CROSS SECTIONS - DIAMOND HILL ROAD

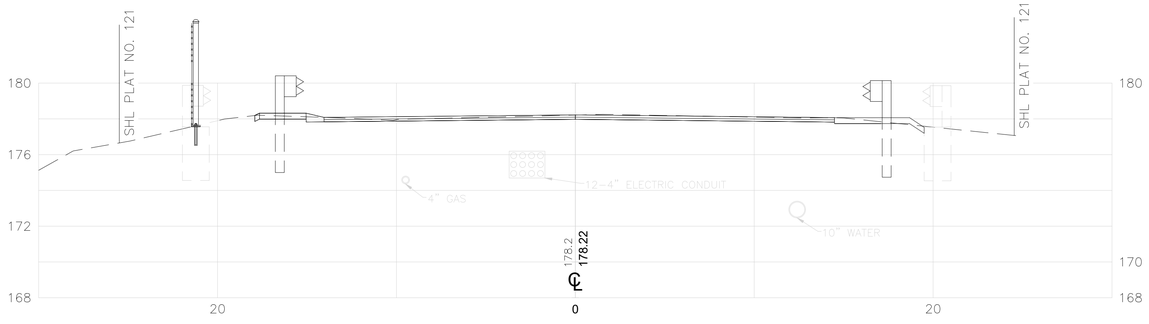
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	43	51



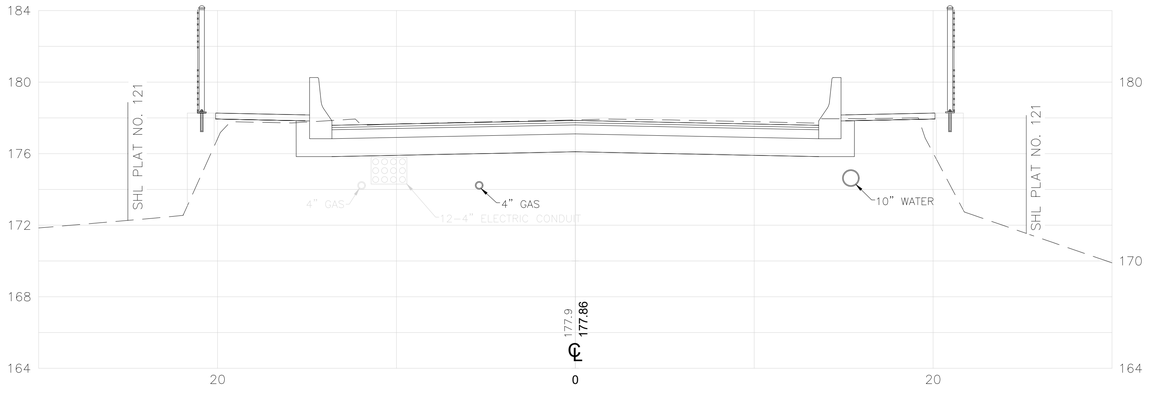
21+00

CUT (SF)	1.45
FILL (SF)	0.27



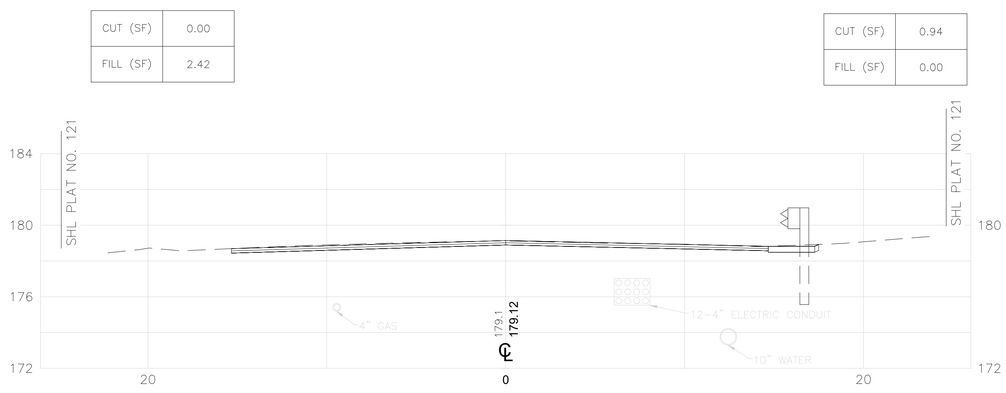
20+50

CUT (SF)	1.58
FILL (SF)	0.02



20+00

CUT (SF)	0.00
FILL (SF)	2.42



21+50

CUT (SF)	0.94
FILL (SF)	0.00

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 43
OF: 51

SCALE: 1"=4'
4 0 4 8
SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

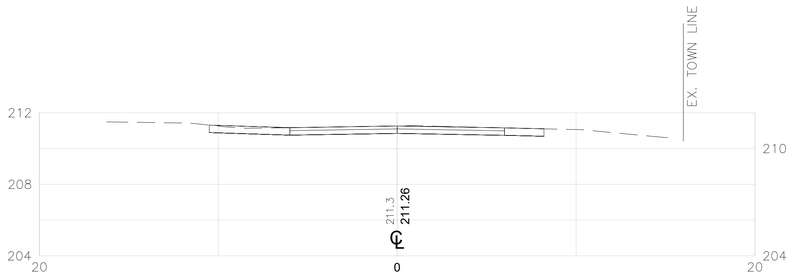
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

CROSS SECTIONS - DIAMOND HILL ROAD

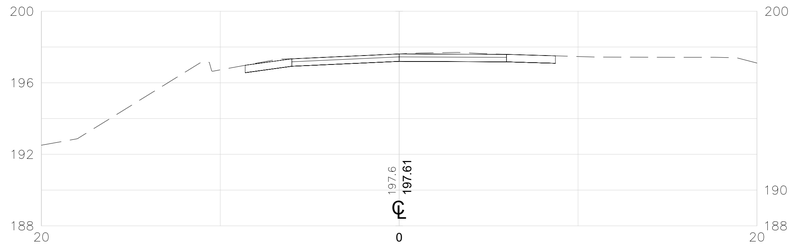
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	44	51



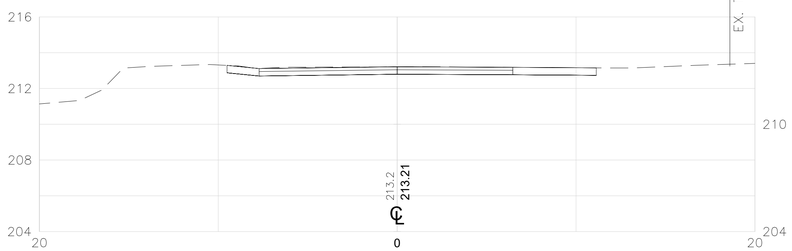
CUT (SF)	4.50
FILL (SF)	0.00

21+50



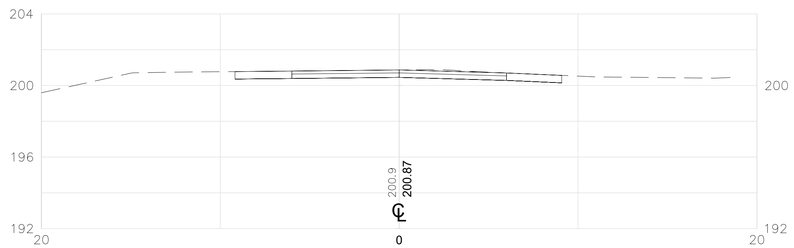
CUT (SF)	4.80
FILL (SF)	0.00

23+50



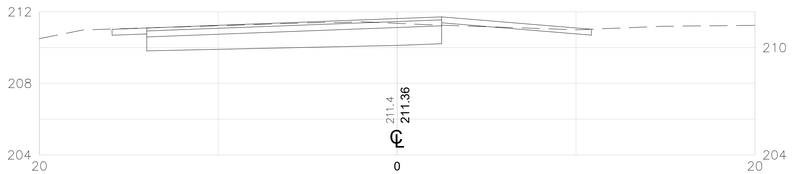
CUT (SF)	5.41
FILL (SF)	0.00

21+00



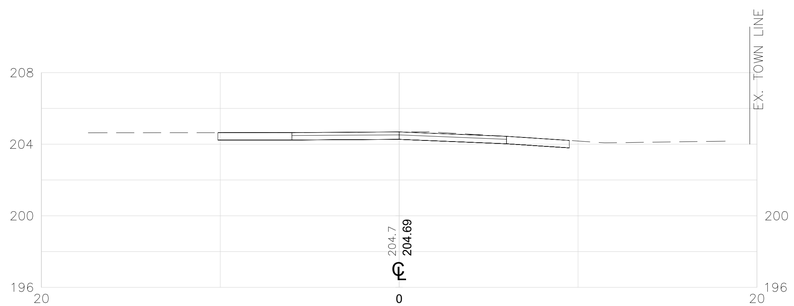
CUT (SF)	4.90
FILL (SF)	0.00

23+00



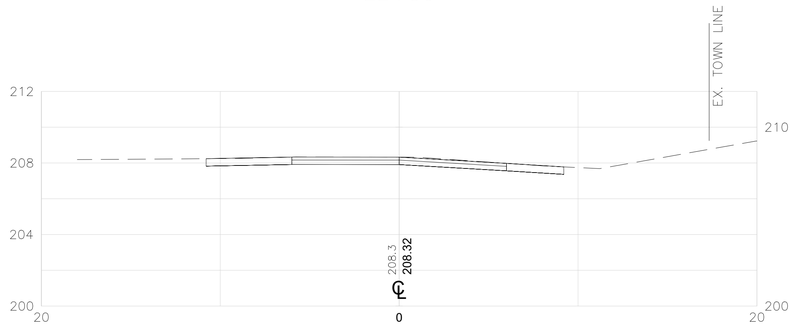
CUT (SF)	0.00
FILL (SF)	0.18

20+50



CUT (SF)	5.18
FILL (SF)	0.00

22+50



CUT (SF)	5.12
FILL (SF)	0.00

22+00

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 44
OF: 51

SCALE: 1"=4'
SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

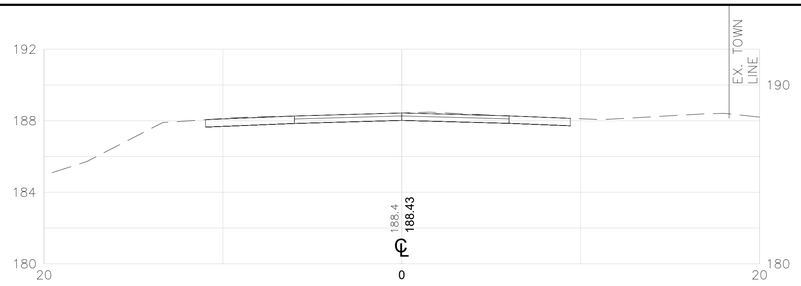
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

CROSS SECTIONS - SNEECH POND ROAD

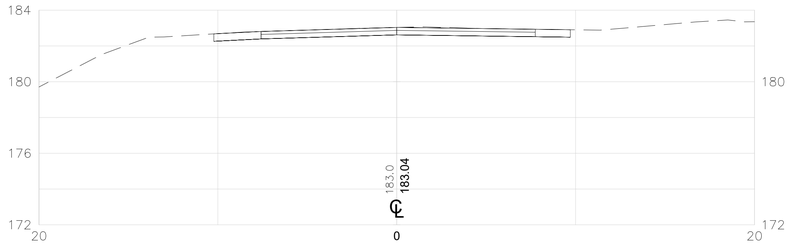
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	45	51



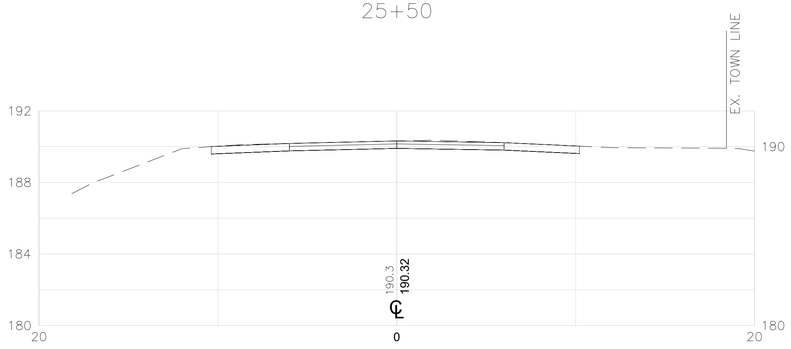
CUT (SF)	5.48
FILL (SF)	0.00

25+50



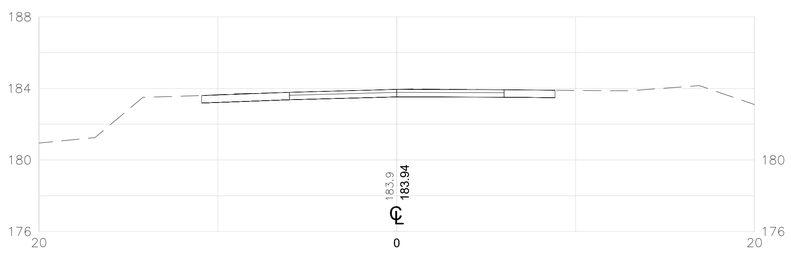
CUT (SF)	5.17
FILL (SF)	0.00

27+50



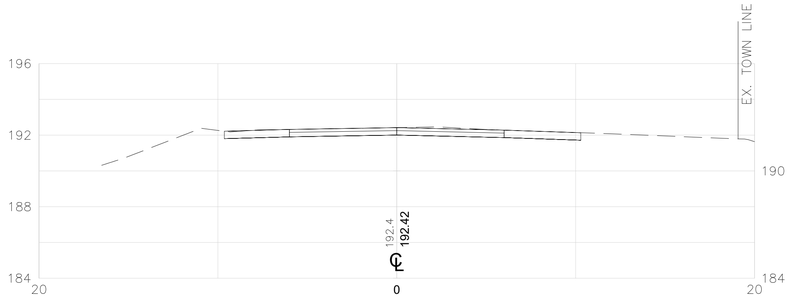
CUT (SF)	5.46
FILL (SF)	0.00

25+00



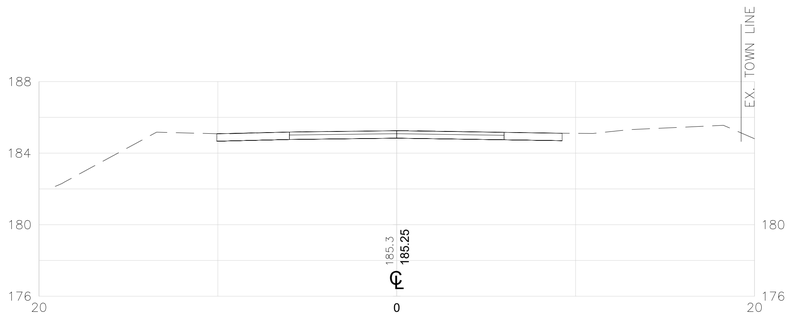
CUT (SF)	5.02
FILL (SF)	0.00

27+00



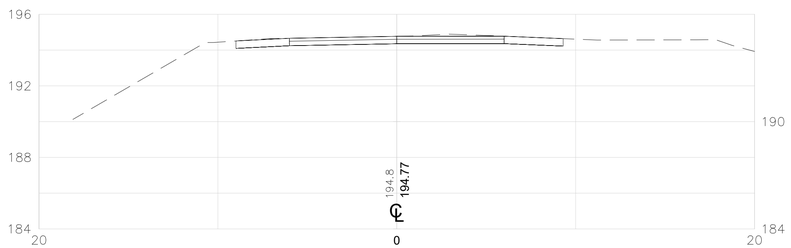
CUT (SF)	5.22
FILL (SF)	0.00

24+50



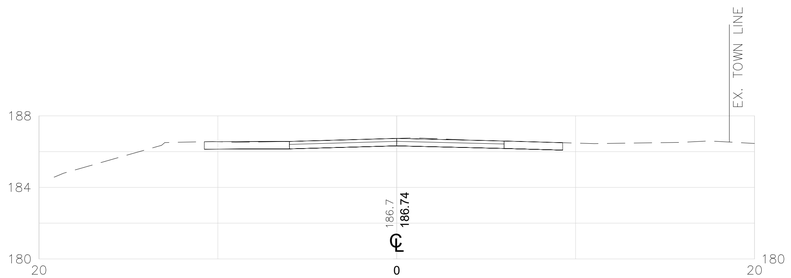
CUT (SF)	4.86
FILL (SF)	0.00

26+50



CUT (SF)	4.95
FILL (SF)	0.00

24+00



CUT (SF)	5.08
FILL (SF)	0.00

26+00

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 45
OF: 51

SCALE: 1"=4'
SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

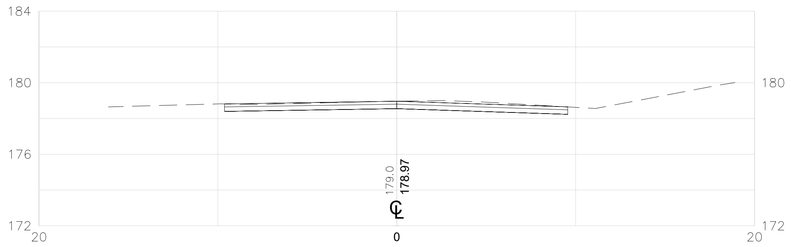
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

CROSS SECTIONS - SNECH POND ROAD

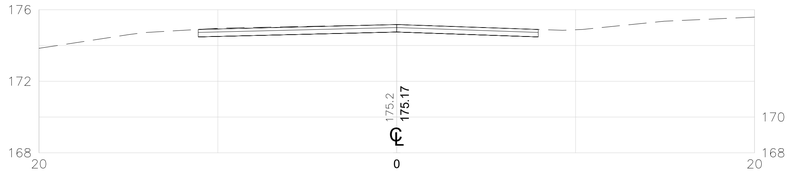
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	46	51



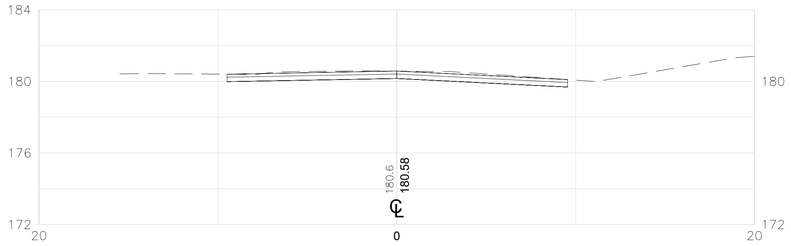
CUT (SF)	5.21
FILL (SF)	0.00

29+50



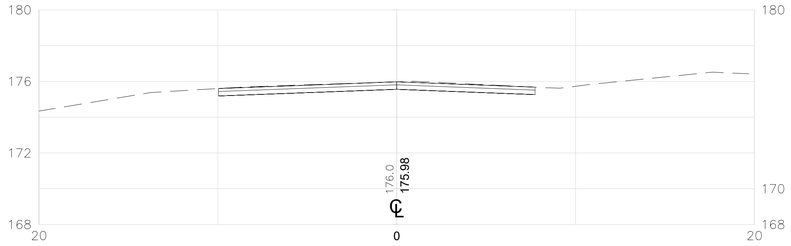
CUT (SF)	5.02
FILL (SF)	0.00

31+50



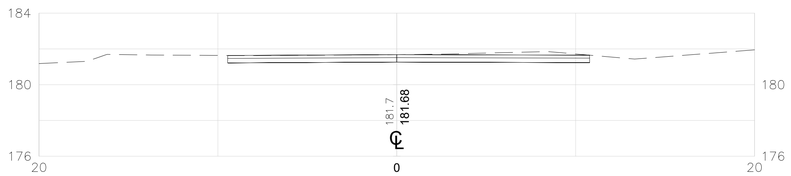
CUT (SF)	5.72
FILL (SF)	0.00

29+00



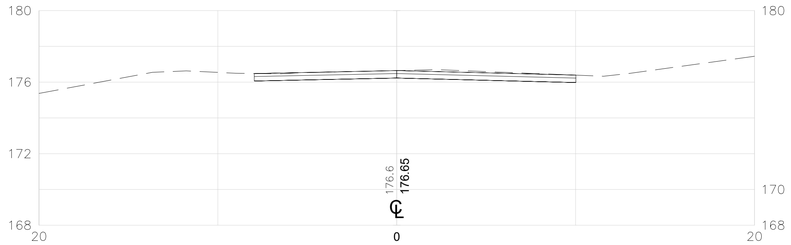
CUT (SF)	4.84
FILL (SF)	0.00

31+00



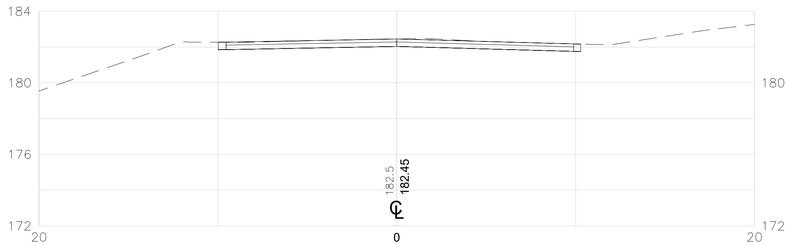
CUT (SF)	5.92
FILL (SF)	0.00

28+50



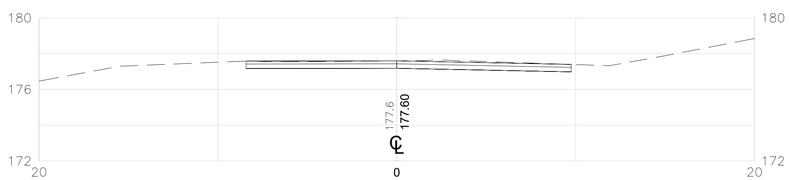
CUT (SF)	4.84
FILL (SF)	0.00

30+50



CUT (SF)	5.16
FILL (SF)	0.00

28+00



CUT (SF)	4.78
FILL (SF)	0.00

30+00

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 46
OF: 51

SCALE: 1"=4'
4 0 4 8
SCALE IN FEET

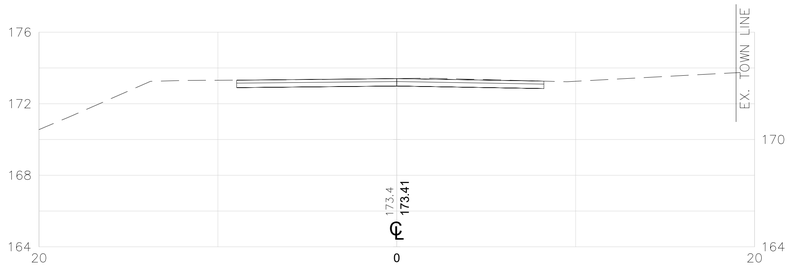
REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1
CUMBERLAND RHODE ISLAND

CROSS SECTIONS - SNEECH POND ROAD

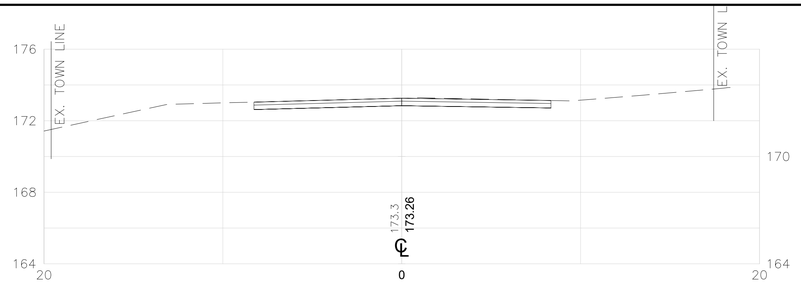
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	47	51



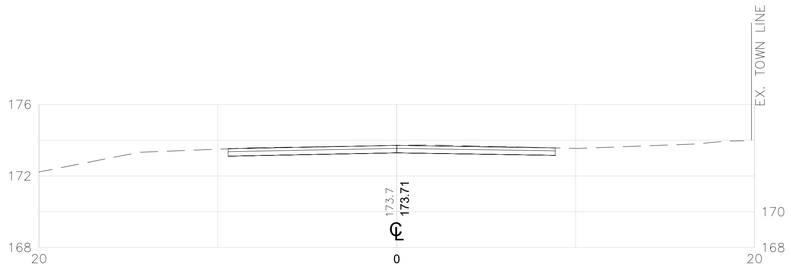
CUT (SF)	4.48
FILL (SF)	0.00

33+50



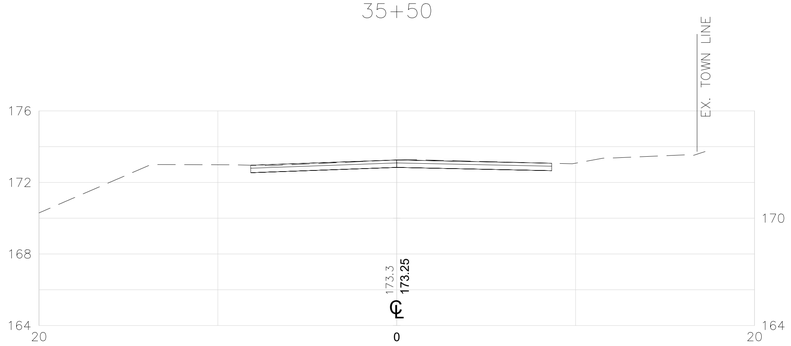
CUT (SF)	4.35
FILL (SF)	0.00

35+50



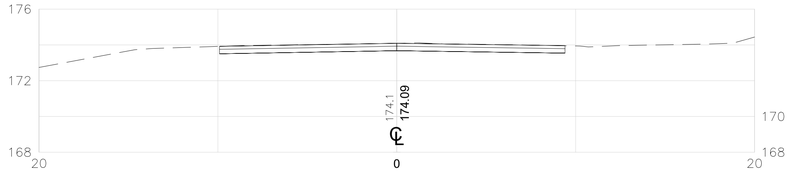
CUT (SF)	4.95
FILL (SF)	0.00

33+00



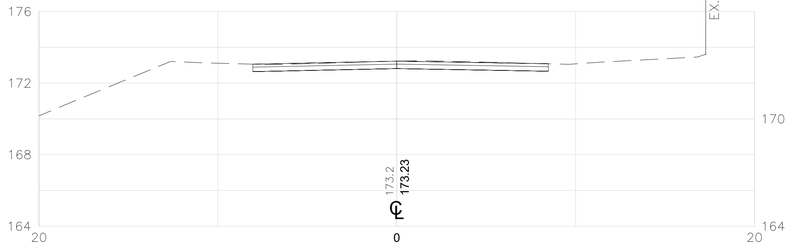
CUT (SF)	4.09
FILL (SF)	0.00

35+00



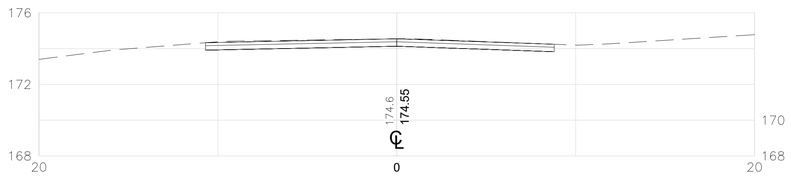
CUT (SF)	5.11
FILL (SF)	0.00

32+50



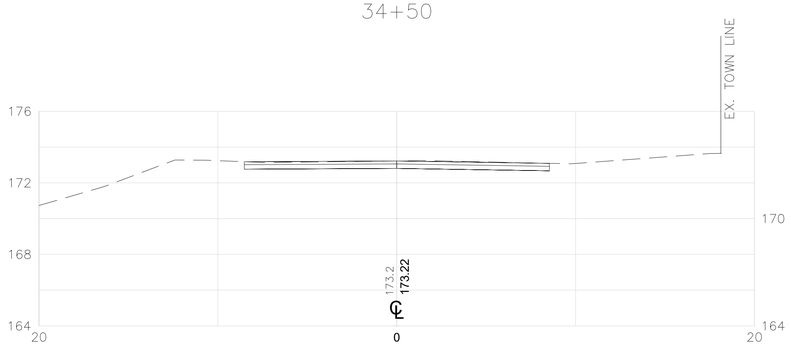
CUT (SF)	4.16
FILL (SF)	0.00

34+50



CUT (SF)	5.36
FILL (SF)	0.00

32+00



CUT (SF)	4.23
FILL (SF)	0.00

34+00

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 47
OF: 51

SCALE: 1"=4'
SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

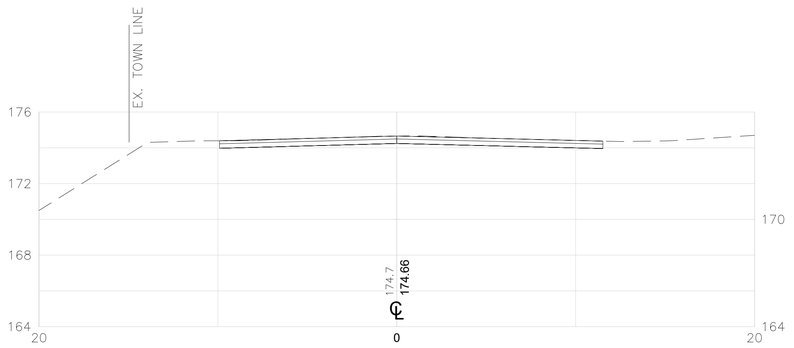
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

CROSS SECTIONS - SNEECH POND ROAD

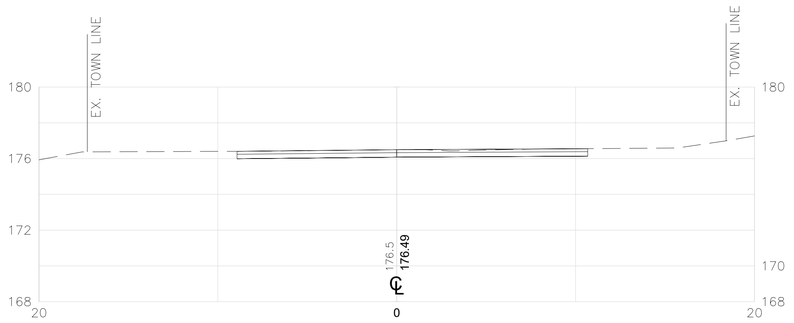
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	48	51



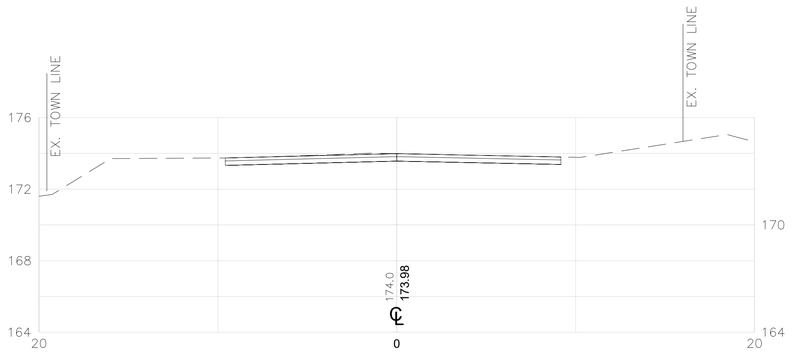
CUT (SF)	5.42
FILL (SF)	0.00

37+00



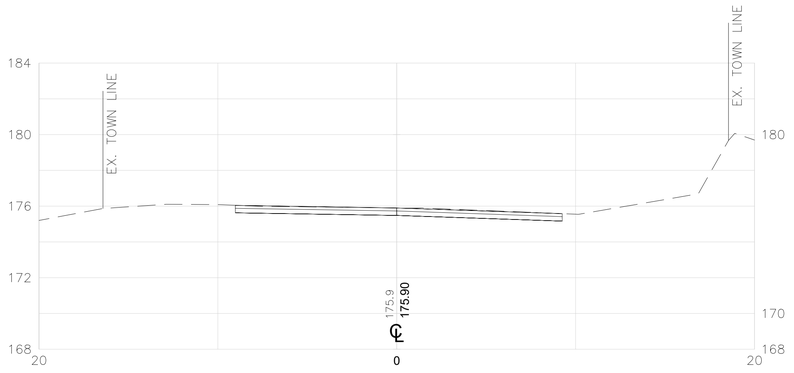
CUT (SF)	4.55
FILL (SF)	0.00

38+50



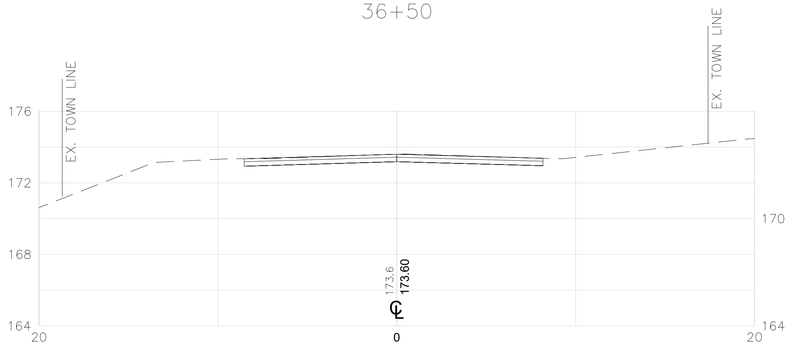
CUT (SF)	4.94
FILL (SF)	0.00

36+50



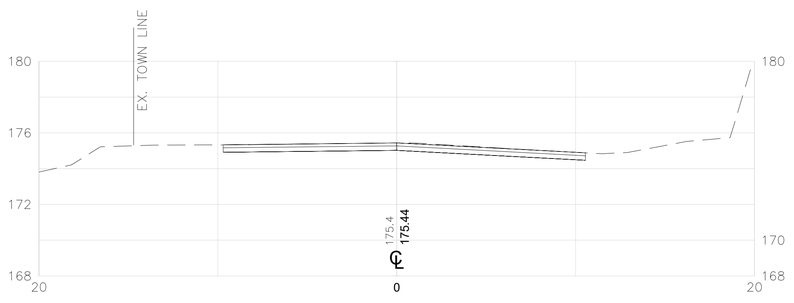
CUT (SF)	4.79
FILL (SF)	0.00

38+00



CUT (SF)	4.16
FILL (SF)	0.00

36+00



CUT (SF)	5.28
FILL (SF)	0.00

37+50

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 48
OF: 51

SCALE: 1"=4'
4 0 4 8
SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

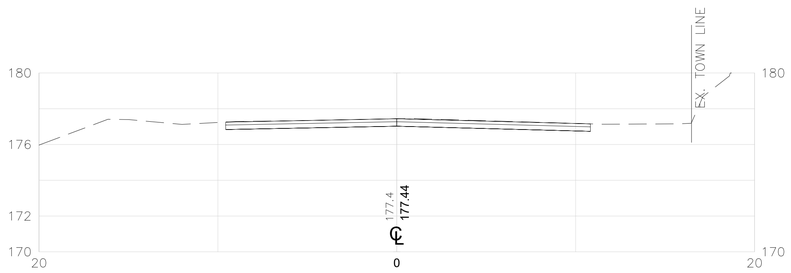
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

CROSS SECTIONS - SNEECH POND ROAD

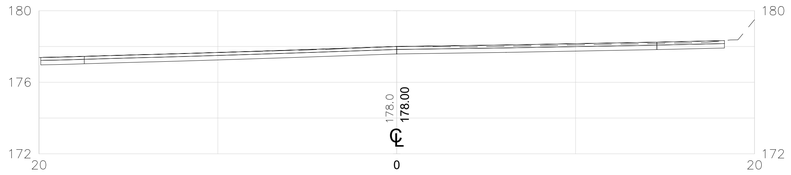
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	49	51



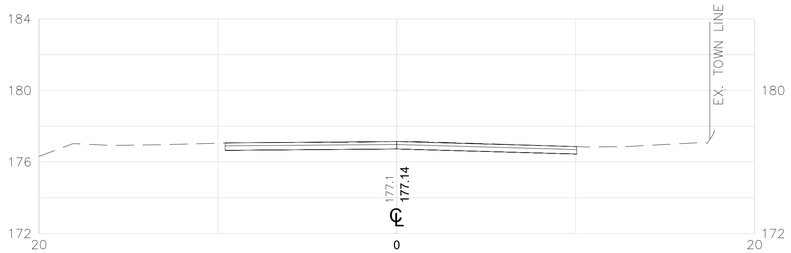
CUT (SF)	5.33
FILL (SF)	0.00

40+50



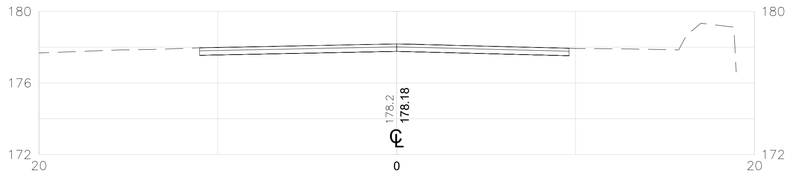
CUT (SF)	8.19
FILL (SF)	0.00

42+50



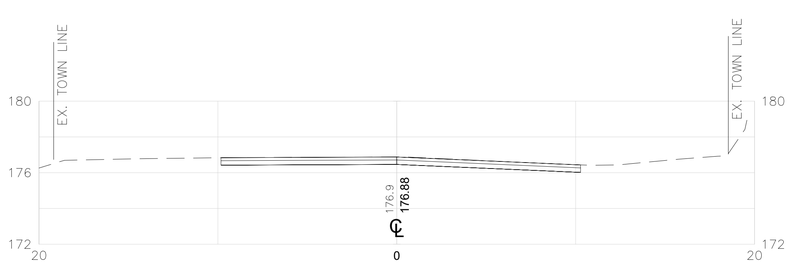
CUT (SF)	4.90
FILL (SF)	0.00

40+00



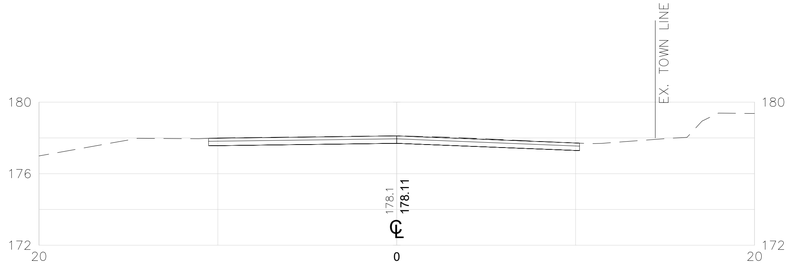
CUT (SF)	5.27
FILL (SF)	0.00

42+00



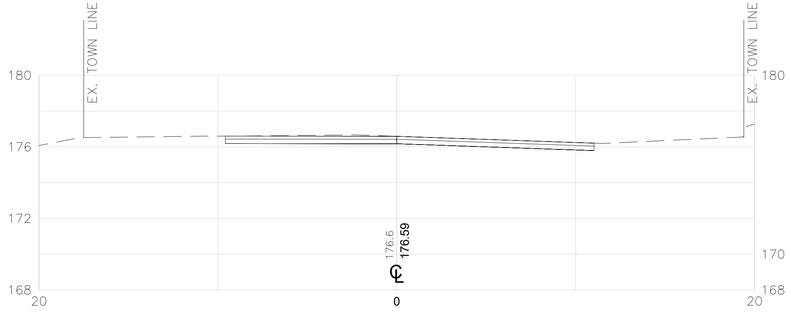
CUT (SF)	5.14
FILL (SF)	0.00

39+50



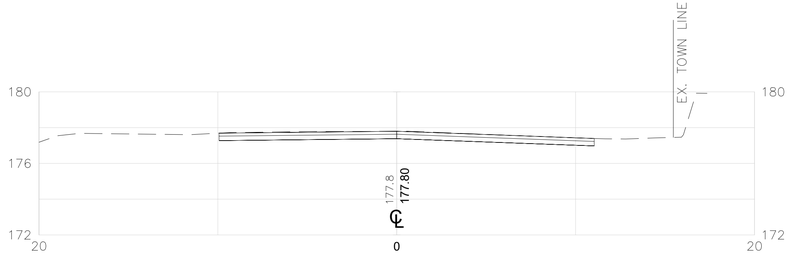
CUT (SF)	5.49
FILL (SF)	0.00

41+50



CUT (SF)	5.52
FILL (SF)	0.00

39+00



CUT (SF)	5.55
FILL (SF)	0.00

41+00

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 49
OF: 51

SCALE: 1"=4'
SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

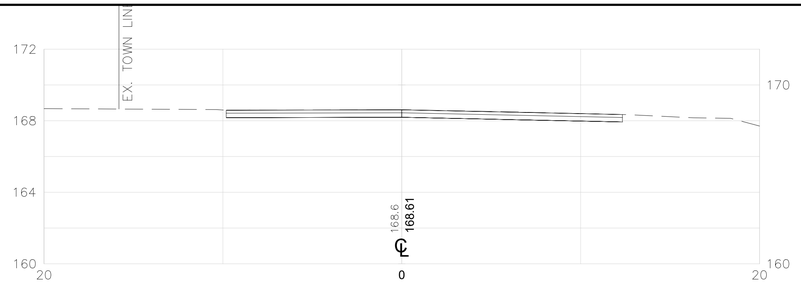
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

CROSS SECTIONS - SNEECH POND ROAD

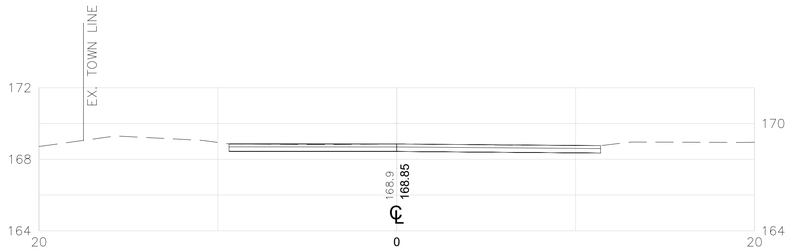
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	50	51



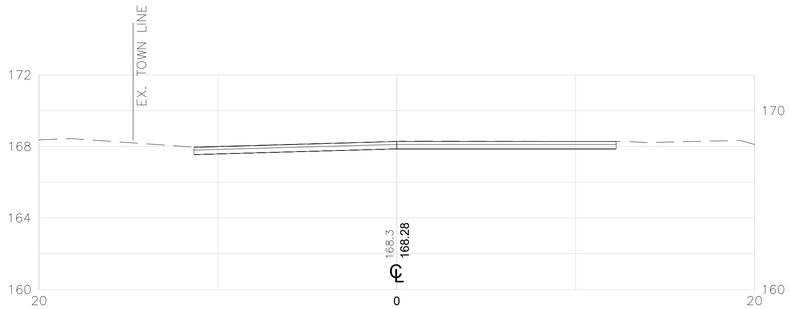
CUT (SF)	5.67
FILL (SF)	0.00

54+00



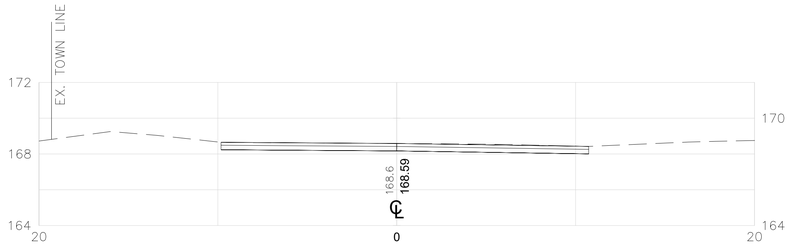
CUT (SF)	4.96
FILL (SF)	0.00

56+00



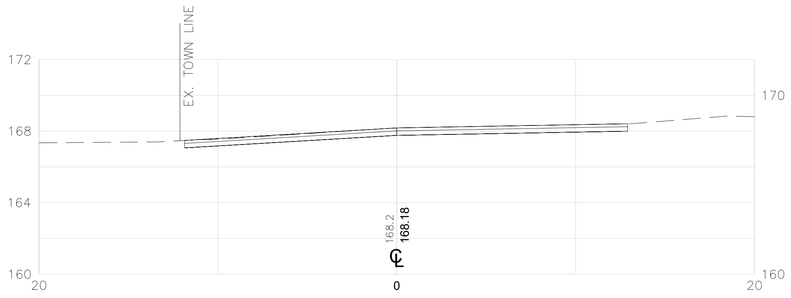
CUT (SF)	5.82
FILL (SF)	0.00

53+50



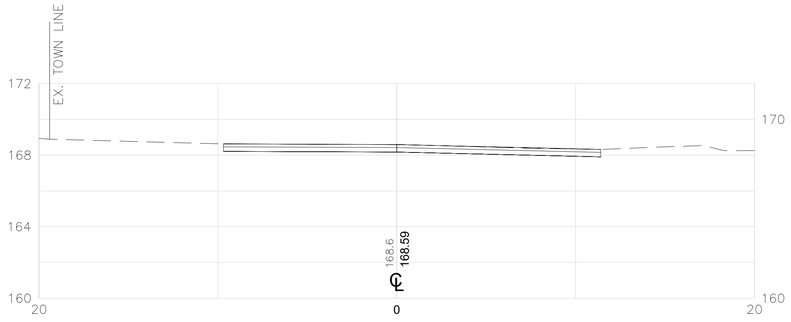
CUT (SF)	5.33
FILL (SF)	0.00

55+50



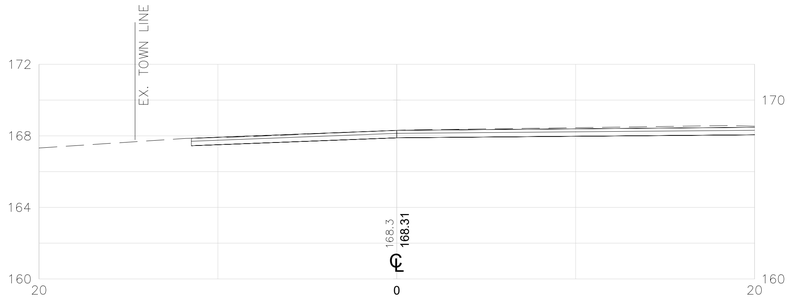
CUT (SF)	5.96
FILL (SF)	0.00

53+00



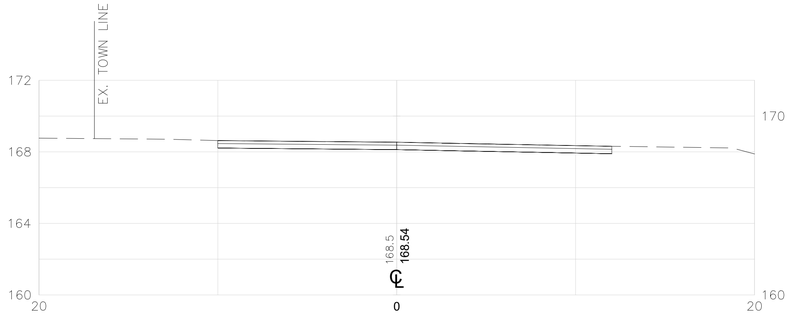
CUT (SF)	5.09
FILL (SF)	0.00

55+00



CUT (SF)	8.97
FILL (SF)	0.00

52+50



CUT (SF)	5.40
FILL (SF)	0.00

54+50

vhb
1 Cedar Street
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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DATE:
SHEET: 50
OF: 51

SCALE: 1"=4'
4 0 4 8
SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

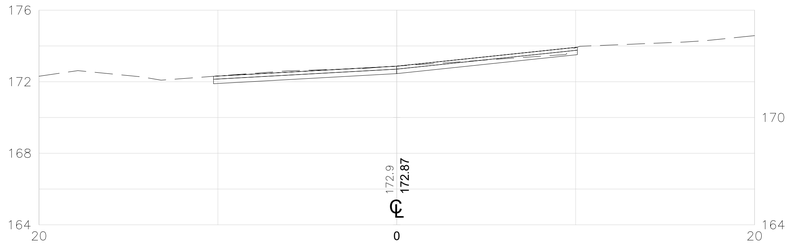
BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

CROSS SECTIONS - SNEECH POND ROAD

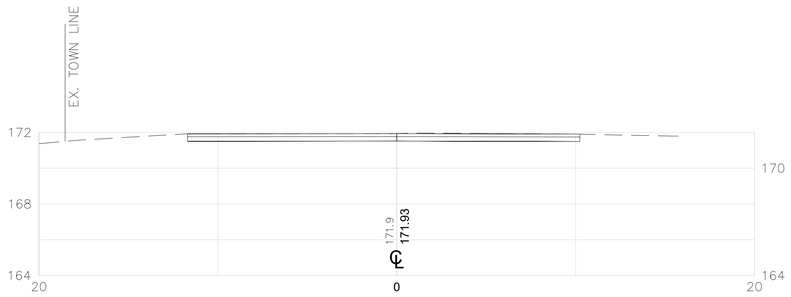
2602D_V1_042_XSECTION001

RI CONTRACT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2024-CB-045	2024	51	51



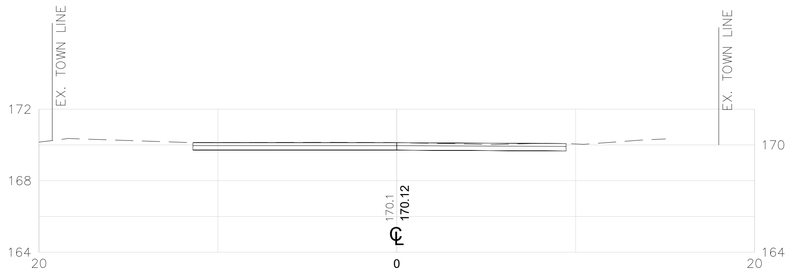
CUT (SF)	3.77
FILL (SF)	0.00

58+00



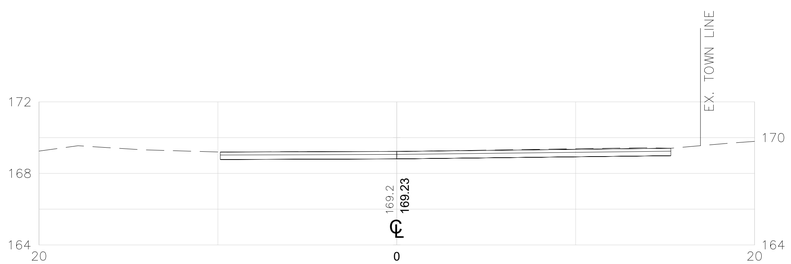
CUT (SF)	5.63
FILL (SF)	0.00

57+50



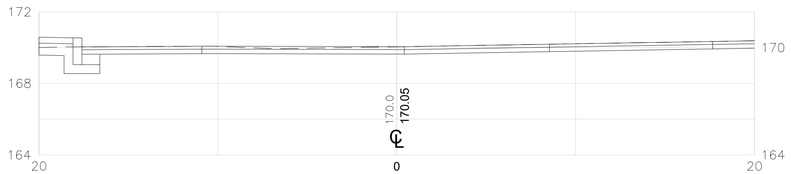
CUT (SF)	5.06
FILL (SF)	0.00

57+00



CUT (SF)	6.65
FILL (SF)	0.00

56+50



CUT (SF)	12.60
FILL (SF)	0.00

58+50

vhb
1 Cedar Street
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Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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SHEET: 51
OF: 51

SCALE: 1"=4'
4 0 4 8
SCALE IN FEET

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

BRIDGE GROUP 17C-
NEWELL AND SNEECH
BRIDGE NO. 020451
VOLUME 1

CUMBERLAND RHODE ISLAND

CROSS SECTIONS - SNEECH POND ROAD

2602D_V1_042_XSECTION001