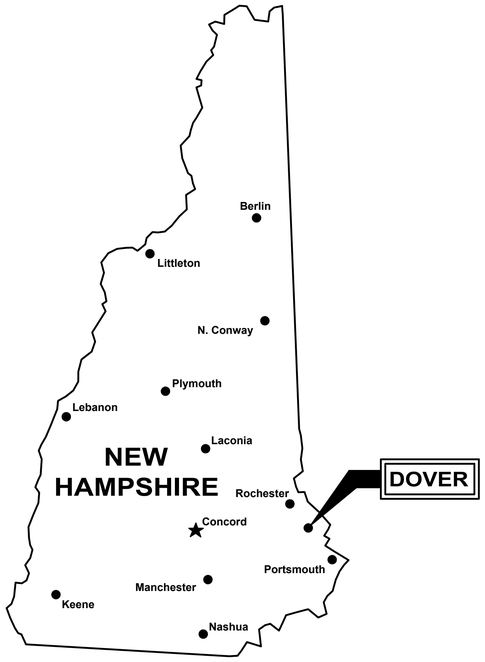
CITY OF DOVER, NEW HAMPSHIRE

CONTRACT DRAWINGS FOR

COURT AND UNION STREETS RECONSTRUCTION PROJECT

MARCH 2025



DRAWING INDEX

GENERAL

---	COVER SHEET

CIVIL

C-1	GENERAL NOTES, LEGEND AND ABBREVIATIONS
C-2	EROSION CONTROL NOTES AND DETAILS
C-3	SITE INDEX PLAN
C-4	TYPICAL ROADWAY SECTIONS
C-5	EXISTING CONDITIONS I
C-6	EXISTING CONDITIONS II
C-7	EXISTING CONDITIONS III
C-8	EXISTING CONDITIONS IV
C-9	EXISTING CONDITIONS V
C-10	PLAN AND PROFILE: COURT ST STA 1+00 TO STA 7+00
C-11	PLAN AND PROFILE: COURT ST STA 7+00 TO STA 13+00
C-12	PLAN AND PROFILE: COURT ST STA 13+00 TO STA 19+00
C-13	PLAN AND PROFILE: COURT ST STA 19+00 TO STA 25+00
C-14	PLAN AND PROFILE: COURT ST STA 25+00 TO STA 31+00
C-15	PLAN AND PROFILE: COURT ST STA 31+00 TO STA 37+00
C-16	PLAN AND PROFILE: COURT ST STA 37+00 TO STA 43+00
C-17	PLAN AND PROFILE: COURT ST STA 43+00 TO STA 48+40
C-18	PLAN AND PROFILE: UNION ST STA 50+00 TO STA 55+52
C-19	PLAN AND PROFILE: BACK RD STA 60+00 TO STA 61+00
C-20	LAYOUT PLAN: COURT ST STA 1+00 TO STA 13+00
C-21	LAYOUT PLAN: COURT ST STA 13+00 TO STA 25+00
C-22	LAYOUT PLAN: COURT ST STA 25+00 TO STA 37+00
C-23	LAYOUT PLAN: COURT ST STA 37+00 TO STA 46+50
C-24	LAYOUT PLAN: UNION ST STA 50+00 TO STA 55+50
C-25	INTERSECTION GRADING PLAN I
C-26	INTERSECTION GRADING PLAN II
C-27	INTERSECTION GRADING PLAN III
C-28	DETAILS I
C-29	DETAILS II
C-30	DETAILS III
C-31	DETAILS IV
C-32	DETAILS V
C-33 - C-71	CROSS SECTIONS

LOCATION PLAN
SCALE: 1"=2,000'

STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED
PROFESSIONAL ENGINEER
3.31.2025

WRIGHT-PIERCE
Engineering a Better Environment

888.621.8156 | www.wright-pierce.com

WP PROJECT No. 20803

LAST SAVED BY: JAMES.MICHAUD 1/20/2025 10:19 AM

GENERAL NOTES

1. BELOW GRADE UTILITY INFORMATION IS PROVIDED FOR EACH KNOWN UTILITY. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD PRIOR TO COMMENCING WORK. REFER TO SPECIFICATION SECTION 01050. UTILITY CONTACTS ARE AS FOLLOWS. ADDITIONAL CONTACT DETAILS PROVIDED IN SPECIFICATION SECTION 01050.

WATER/SEWER:
THE CITY OF DOVER
COMMUNITY SERVICES
271 MAST ROAD
DOVER, NH 03820
TEL. 603-516-6450

ELECTRIC:
EVERSOURCE
PO BOX 330
MANCHESTER, NH 03105
TEL. 603-634-3516

GAS:
UNITIL
6 LIBERTY LANE
WEST HAMPTON, NH 03842
TEL. 866-933-3821

DIGSAFE:
TEL. 888-344-7233

TELEPHONE:
CONSOLIDATED COMMUNICATIONS
521 E. MOREHEAD STREET
SUITE 230, BOX 29
CHARLOTTE, NC 28202
TEL. 800-430-2222

CABLE:
COMCAST
TEL. 800-266-2278

CABLE:
BREEZELINE
21 JARVIS AVE
ROCHESTER, NH 03868
TEL. 603-330-2224

2. SEWER LINES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE EXCEPT AS OTHERWISE DIRECTED. ANY EXISTING SEWERS, STORM DRAIN LINES OR CULVERTS DAMAGED DURING CONSTRUCTION AND NOT TO BE REPLACED SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR WILL ENCOUNTER ASBESTOS CEMENT PIPE DURING EXECUTION OF THE WORK. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF OSHA AND ALL OTHER FEDERAL, STATE AND LOCAL REGULATIONS WHEN HANDLING AND/OR DISPOSING OF ASBESTOS CEMENT PIPE. A BID ITEM HAS BEEN INCLUDED IN THE BID FORM TO ESTABLISH A UNIT PRICE FOR THE REMOVAL AND DISPOSAL OF ASBESTOS CEMENT PIPE.
4. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO THE TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. DAMAGE TO ANY SUCH STRUCTURES CAUSED BY, OR RESULTING FROM, THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY.
5. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTIFICATION TO EVERSOURCE OR CONSOLIDATED, RESPECTIVELY. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.
6. DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS AND STATIONING SHALL PREVAIL.
7. CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES AS NECESSARY AND IN A MANNER CONSISTENT WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.), N.H.D.O.T. STANDARDS, OR AS REQUIRED BY OWNER.
8. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW AT ALL TIMES. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN TO THE OWNER PRIOR TO COMMENCING CONSTRUCTION. THE DOVER COMMUNITY SERVICES (603-516-6450), POLICE DEPARTMENT (603-724-4646), AND FIRE DEPARTMENT (603-516-6148) ARE TO BE NOTIFIED AT LEAST 72 HOURS IN ADVANCE OF ANY STREET CLOSING OR DETOUR. DEVIATIONS FROM THE TRAFFIC CONTROL PLAN WITHOUT PRIOR APPROVAL MAY RESULT IN AN ORDER TO STOP WORK UNTIL A REVISED PLAN IS APPROVED BY THE CITY. REFER TO SPEC. SECTION 01570.
9. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY RIGHTS-OF-WAY AND EASEMENTS. THE CONTRACTOR SHALL VERIFY THAT THE NECESSARY EASEMENTS HAVE BEEN SECURED BY THE OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH EASEMENT AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ANY SUCH RIGHTS-OF-WAY AND EASEMENTS ARE AVAILABLE FOR REVIEW FROM THE CITY OF DOVER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF EROSION. ALL DISTURBED EARTH SURFACES ARE TO BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL IS TO BE IN A MANNER THAT WILL MINIMIZE EROSION. MATERIALS AND METHODS USED FOR TEMPORARY EROSION CONTROL SHALL BE AS SPECIFIED BY THE "NEW HAMPSHIRE STORMWATER MANUAL" PREPARED BY THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES. REFER TO SPECIFICATION SECTION 02270.
11. BUS AND SOLID WASTE/RECYCLING TRUCK ACCESS MUST BE PROVIDED AT ALL TIMES FOR PROPERTIES WITHIN THE PROJECT AREA; OR MAKE PRIOR ACCOMMODATIONS TO BE APPROVED B THE CITY.
12. COMPACTION TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS. ANY SETTLEMENT OCCURRING WITHIN ONE YEAR OF SUBSTANTIAL COMPLETION OF THE PROJECT WILL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
13. OPEN TRENCHES IN THE ROADWAY MUST BE BACKFILLED OR PLATED AT THE END OF THE WORKDAY. CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING THE WORK AREA IN THE ROADWAY TRAVERSABLE AT THE END OF THE DAY.
14. CONTRACTOR SHALL CONTROL DUST TO A TOLERABLE LIMIT AS OUTLINED IN SPECIFICATION SECTION 01562. CONTRACTOR SHALL NOT TRACK OR SPILL EARTH AND DEBRIS ON PUBLIC STREETS OUTSIDE THE PROJECT AREA. STREETS OPENED TO THE PUBLIC SHALL BE KEPT SWEPT AND FREE OF DEBRIS EACH DAY AT THE BEGINNING AND END OF WORK DAY. CROSS STREETS THAT BOUND THE PROJECT AREA WILL BE SWEPT AT LEAST ONCE EACH WEEK OR AS DIRECTED BY THE ENGINEER.
15. ALL AREAS (EXCEPT GRAVEL DRIVEWAYS) THAT ARE EXCAVATED, FILLED OR OTHERWISE DISTURBED BY THE CONTRACTOR AND ARE NOT TO BE PAVED OR FILLED WITH RIPRAP SHALL BE LOAMED, GRADED, LIMED, FERTILIZED, SEEDED AND MULCHED. EXISTING PAVEMENT BEYOND LIMITS OF PROPOSED PAVEMENT SHALL BE REMOVED AND DISPOSED OF.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING ALL EXISTING PROPERTY MONUMENTATION THAT IS DISTURBED BY THEIR OPERATIONS AT NO EXPENSE TO THE OWNER. THIS WORK IS TO BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF NEW HAMPSHIRE.
17. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
18. SUITABLE EXCAVATED MATERIAL SHALL BE INCORPORATED IN THE PROJECT. EXCESS MATERIAL SHALL BE DISPOSED OF AT A LOCATION PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL DISPOSE OF UNSUITABLE AND EXCESS MATERIAL IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CONTRACT DOCUMENTS AND ALL STATE, FEDERAL AND LOCAL REGULATIONS.
19. CONTRACTOR SHALL RETURN ALL CASTINGS TO THE CITY OF DOVER. CASTINGS SHALL BE TRANSPORTED TO THE CITY OF DOVER COMMUNITY SERVICES DEPARTMENT OR SEPARATE STOCKPILE LOCATION. COORDINATE WITH THE CITY.
20. THE ENGINEER WILL PROVIDE CONTRACTOR WITH HORIZONTAL CONTROL POINTS TO ASSIST CONTRACTOR IN LAYING OUT THE CONSTRUCTION BASELINE. THE CONTRACTOR SHALL ESTABLISH HORIZONTAL AND VERTICAL ROADWAY LAYOUT CONTROL POINTS BEYOND THE LIMITS OF ROADWAY WORK AND PROTECT THESE POINTS FOR THE DURATION OF THE PROJECT. LAYOUT OF ALL CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
21. CONSTRUCT ACCESSIBLE RAMPS AT ENDS OF ALL SIDEWALKS, ROADWAYS AND AS OTHERWISE SHOWN ON THE PLANS. SIDEWALKS AND ACCESSIBLE RAMPS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
22. THE CONTRACTOR IS TO TAKE SPECIAL CARE NOT TO DAMAGE TREES WITHIN THE CONSTRUCTION AREA UNLESS THEY ARE NOTED TO BE REMOVED.
23. LIMITS OF WORK IN EXISTING DRIVES AS SHOWN ON THE PLANS ARE APPROXIMATE. ACTUAL LIMITS OF WORK ARE TO BE DETERMINED IN THE FIELD AND AS APPROVED BY THE ENGINEER.
24. PAVEMENT IS TO BE SAWCUT AT ALL SIDE ROADS, PAVED DRIVES, PAVED SIDEWALKS, AS WELL AS THE BEGINNING AND END OF THE PROJECT.
25. SAWCUT LINES FOR PAVED DRIVEWAY & SIDEWALK MATCHES ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY SAWCUT LOCATION FOR DRIVEWAY & WALKWAY MATCHES WITH THE ENGINEER AND OWNER.
26. AT A MINIMUM, THE TOP 3 FEET OF ANY STRUCTURES TO BE ABANDONED IN PLACE SHALL BE REMOVED AND FILL WITH CRUSHED STONE. PLUG ENDS OF ALL PIPES TO BE ABANDONED WITH BRICKS AND MORTAR. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK. STRUCTURES AND PIPES TO BE ABANDONED WILL REQUIRE APPROVAL OF ENGINEER AND WILL BE DELINEATED ON THE RECORD DRAWINGS.
27. EXISTING PIPES WITHIN TRENCH OF PROPOSED UTILITIES SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE LAWS, ORDINANCES AND CODE REQUIREMENTS. PIPING TO BE ABANDONED IN PLACE SHALL BE FILLED WITH FLOWABLE FILL, IF 6" AND GREATER. PIPING SMALLER THAN 6" MAY REMAIN IN PLACE AS IS UNLESS OTHERWISE NOTED OF LOCATION BENEATH A STRUCTURE. ALL EXISTING WATER, STORM SEWER, AND SANITARY SEWER SYSTEMS, PROPOSED TO BE REPLACED SHALL BE REMOVED OR ABANDONED APPROPRIATELY.
28. WHERE GRAVEL DRIVES NEED TO BE REGRADED BEYOND 5 FEET FROM PROPOSED EDGE OF ROADWAY USE SCREENED GRAVEL TO ADJUST TO GRADE. EXCAVATE AS NECESSARY TO PROVIDE A MINIMUM GRAVEL DEPTH OF 8 INCHES IN ANY CUT SECTIONS.
29. A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN THE WATER LINE AND THE SEWER SHALL BE MAINTAINED. WHERE SITE CONDITIONS DICTATE LESS THAN THE ABOVE REFERENCED 18 INCH SEPARATION OR WHENEVER THE SEWER CROSSES OVER A WATER MAIN THE FOLLOWING CONSTRUCTION METHODS ARE REQUIRED: ONE FULL LENGTH OF PIPE SHALL BE CENTERED AT THE POINT OF CROSSING TO LOCATE JOINTS AS FAR AS POSSIBLE FROM THE WATER MAIN. WHERE DIRECT GRADE CONFLICT OCCURS, THE CONTRACTOR SHALL RELOCATE TO THE SATISFACTION OF THE ENGINEER AND PAYMENT SHALL BE MADE AS NOTED IN THE CONTRACT SPECIFICATIONS UNDER THE PAYMENT ITEM FOR SPECIFIC UTILITIES.
30. PROVIDE 2" RIGID INSULATION WHERE DIRECTED BY OWNER OR ENGINEER. TYPICAL INSULATION INSTALLATION IS OVER WATER MAINS AND SERVICES WHEN COVER IS LESS THAN 5.0 FEET. TYPICAL INSULATION INSTALLATION IS OVER STORM DRAIN, SEWER MAINS AND/OR SERVICES WHEN COVER IS LESS THAN 6 FEET OF COVER BELOW PAVEMENT AND 4 FEET CROSS COUNTRY.
31. WHERE CONNECTIONS TO THE EXISTING STORM DRAIN SYSTEM ARE ENCOUNTERED, THEY SHALL BE CONNECTED TO THE PROPOSED STORM DRAIN SYSTEM.
32. THE NEW WATER MAIN WILL GENERALLY BE INSTALLED IN THE LOCATION AS SHOWN ON THE PLANS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE TEMPORARY WATER SERVICE TO RESIDENTS AND TEMPORARY FIRE DEPARTMENT CONNECTION IN THOSE PLACES WHERE MAIN IS TO BE REPLACED. CONTRACTOR TO CONFIRM ALL WATER USERS ARE CONNECTED TO TEMPORARY WATER PRIOR TO EXCAVATING WITHIN THE WORK AREA.TEMPORARY WATER LINES SHALL BE HIGH DENSITY POLYETHYLENE (3408) DR11 JOINED BY BUTT FUSION. FITTINGS SHALL BE PREFORMED POLYETHYLENE EITHER FLANGED OR BUTT FUSION TYPE. INDIVIDUAL TAPS SHALL BE MADE WITH FULL WRAP AROUND SADDLES. CORPORATION STOPS SHALL BE USED AT THE CONNECTION TO THE MAIN. INDIVIDUAL SERVICE PIPES SHALL BE 1" MIN, REFER TO SPECIFICATION SECTION 02620. TEMPORARY WATER MAIN MUST BE DISINFECTED ACCORDING TO SPECIAL PROVISION 611 PRIOR TO USE. COORDINATE WITH THE CITY OF DOVER COMMUNITY SERVICES.
33. WATER SERVICES SHALL BE REPLACED UNDER THIS CONTRACT. NEW WATER SERVICES SHALL BE CONNECTED TO A NEW CURB STOP.
34. STORM SERVICES SHALL BE PROVIDED FOR ALL PROPERTIES, WHERE POSSIBLE. SERVICES SHALL CONNECT TO THE STORM DRAIN AND HAVE A CAP INSTALLED AT THE RIGHT-OF-WAY. REFER TO STORM SERVICE CONNECTION DETAIL ON C-28, COORDINATE WITH THE CITY OF DOVER COMMUNITY SERVICES DEPARTMENT.
35. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF EXISTING UTILITY SERVICES. THE ACTUAL LENGTH, NUMBER AND LOCATIONS WILL BE DETERMINED IN THE FIELD.
36. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET BETWEEN WATER AND SEWER MAINS SHALL BE MAINTAINED.
37. A MINIMUM SEPARATION OF 6 INCHES BETWEEN WATER LINES AND STORM DRAINAGE PIPES AND STRUCTURES SHALL BE MAINTAINED. 2" RIGID INSULATION SHALL BE PROVIDED WHEN THE VERTICAL SEPARATION IS LESS THAN 18 INCHES. 2" RIGID INSULATION SHALL BE PROVIDED ALONG WATER MAINS WITHIN 5' OF ANY DRAINAGE STRUCTURE.
38. EXISTING SIGNS THAT ARE IMPACTED BY THIS PROJECT AND NOT SCHEDULED FOR REPLACEMENT SHALL BE REPLACED IN ACCORDANCE WITH REQUIREMENTS OF THE M.U.T.C.D.
39. ALL WATER PIPE SHALL BE DUCTILE IRON WITH POLYETHYLENE WRAP MEETING THE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
40. PIPE RESTRAINT FOR WATER MAINS: ALL BENDS, TEES, REDUCERS, HYDRANTS, AND PLUGS SHALL BE RESTRAINED BY USING CONCRETE THRUST BLOCKS AND "MEGA LUGS" OR OTHER METHOD AS SHOWN ON THE DRAWINGS. ANCHOR TEES SHALL BE USED FOR ALL HYDRANT BRANCHES EXCEPT IN LOCATIONS WHERE GATE VALVES CAN NOT BE CONNECTED DIRECTLY TO TEE, IN WHICH CASE "GRIP RINGS" OR TIE RODS SHALL BE USED.
41. WATER MAIN TEST PRESSURE SHALL BE 1½ TIMES THE OPERATING PRESSURE OR, 150 PSI, WHICHEVER IS GREATER.
42. ALL SEWER PIPE SHALL BE PVC MEETING THE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
43. CONTRACTOR SHALL COORDINATE WITH THE OWNER A MINIMUM OF 72 HOURS PRIOR ANY REQUIRED WATER MAIN SHUT DOWN. ONLY CITY PERSONNEL SHALL OPERATE VALVES.
44. CONTRACTOR SHALL REMOVE AND RESET ALL MAILBOXES IMPACTED BY CONSTRUCTION. NEW LOCATION SHALL BE COORDINATED WITH THE OWNER AND PROPERTY OWNER. OWNER WILL SUPPLY 4X4 PRESSURE TREATED POST IF EXISTING POST CANNOT BE RESET. PROPERTY OWNER MAY PROVIDE A DIFFERENT POST AT THEIR EXPENSE.
45. CONTRACTOR SHALL RECONSTRUCT OR ADJUST EXISTING MANHOLE FRAME AND COVER ELEVATIONS TO BE FLUSH TO FINISH GRADE OF THE ROADWAY.
46. CONTRACTOR SHALL COORDINATE ALL TEST PITS WITH OWNER AND ENGINEER AND PROVIDE AT MINIMUM OF 24-HOUR NOTICE TO OWNER AND ENGINEER FOR OBSERVATION.
47. SOME PROJECT WORK WILL REQUIRE CONSTRUCTION WITHIN CLOSE PROXIMITY TO EXISTING GAS LINES. CONTRACTOR SHALL COORDINATE WITH UNITIL FOR A HIGH RISK INSPECTOR TO BE ON SITE DURING WORK IN THE AREAS INDICATED ON THE PLANS WITH 'UNITIL HIGH RISK INSP'.

SURVEY NOTES

1. FIELD SURVEY PERFORMED BY DOUCET SURVEY DURING SEPTEMBER AND OCTOBER 2021 USING A TRIMBLE SS7 TOTAL STATION AND A TRIMBLE R10 SURVEY GRADE GPS WITH A TRIMBLE TSC3 DATA COLLECTOR AND A TRIMBLE DINI DIGITAL AUTO LEVEL. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS.
2. VERTICAL DATUM IS NGVD 1929 PER NHDOT DISK "F 5 1933" WITH PUBLISHED ELEVATION OF 49.28'.
3. HORIZONTAL DATUM IS BASED ON NEW HAMPSHIRE STATE PLANE (2800) NAD83(2011).
4. OVERALL PARCEL BOUNDARIES AS SHOWN HEREON ARE BASED ON NH GRANIT GIS DATA AND ARE IN THEIR ORIGINAL LOCATION. THE PARCEL BOUNDARIES HAVE NOT BEEN ADJUSTED TO MATCH FOUND PROPERTY MONUMENTS. PARCEL SIDELINES HAVE BEEN TRIMMED OR EXTENDED (FOR CLARITY) TO THE EDGE OF RIGHT OF WAYS AS DETERMINED BY THE SURVEYOR.

SEWER REPAIRS

1. SEWER MAIN REPAIRS ARE REQUIRED AT THE FOLLOWING LOCATIONS:

SMH	SMH	PROPOSED WORK	LOCATION	LENGTH (FT)	DIA (IN)
1317	1310	JOINT TEST AND SEAL	FULL LENGTH	340	8
1318	1317	JOINT TEST AND SEAL	FULL LENGTH	205	8
1309	1301	JOINT TEST AND SEAL	FULL LENGTH	285	8
1310	1309	JOINT TEST AND SEAL	FULL LENGTH	143	8
1311	1310	JOINT TEST AND SEAL	FULL LENGTH	190	8
1312	1311	JOINT TEST AND SEAL	FULL LENGTH	215	8
1313	1312	JOINT TEST AND SEAL	FULL LENGTH	295	8
1314	1313	JOINT TEST AND SEAL	FULL LENGTH	285	8
1301	1302	JOINT TEST AND SEAL	FULL LENGTH	315	8
1238	1239	CIPP	FULL LENGTH	300	24
1239	1240	CIPP	FULL LENGTH	260	24
1240	1241	CIPP	FULL LENGTH	475	24
1241	1242	CIPP	FULL LENGTH	185	24

2. SEWER JOINT TESTING AND SEALING SHALL BE IN ACCORDANCE WITH SPECIFICATION 02754.
3. SEWER SERVICE REPAIRS ARE REQUIRED AT THE LOCATIONS SHOWN ON THE PLANS. THE FOLLOWING TABLE SUMMARIZES THE REQUIRED SEWER SERVICE REPAIRS:

ADDRESS	PROPOSED WORK	LOCATION	LENGTH (FT)
7 & 9 COURT ST	REPLACE SERVICE	5' FROM MAIN TO ROW	17
41 & 43 COURT ST	REPLACE SERVICE	11' FROM MAIN TO ROW	6
49 & 51 COURT ST	REPLACE SERVICE	10' FROM MAIN TO ROW	16
52 & 54 COURT ST	REPLACE SERVICE	22' FROM MAIN TO ROW	5
58 & 60 COURT ST	REPLACE SERVICE	19' FROM MAIN TO ROW	7
61 COURT ST	REPLACE SERVICE	8' FROM MAIN TO ROW	11
62 COURT ST	REPLACE SERVICE	25' FROM MAIN TO ROW	12
69 & 71 COURT ST	REPLACE CAP	SERVICE RISER	-
74 COURT ST	REPLACE CAP	SERVICE RISER	-
77 COURT ST	REPLACE CAP	SERVICE RISER	-
88 COURT ST	REPLACE SERVICE	22' FROM MAIN TO ROW	4
89 COURT ST	REPLACE SERVICE	7' FROM MAIN TO ROW	24
92 COURT ST	REPLACE SERVICE	MAIN TO ROW	28
100 COURT ST	REPLACE CAP, REPAIR SERVICE	18' FROM MAIN TO ROW	8
115 COURT ST	REPLACE SERVICE	FROM MAIN TO ROW	35
119 COURT ST	REPLACE SERVICE	20' FROM MAIN TO ROW	5
120 COURT ST	REPLACE SERVICE	FROM MAIN TO ROW	24
128 COURT ST	REPLACE SERVICE	18' FROM MAIN TO ROW	6
5 UNION ST	REPLACE SERVICE	7' FROM MAIN TO ROW	10
9 UNION ST	REPLACE SERVICE	FROM MAIN TO ROW	15
12 & 14 UNION ST	REPLACE SERVICE	11' FROM MAIN TO ROW	10
177 & 179 CENTRAL AVE	REPLACE SERVICE	11' FROM MAIN TO ROW	6
221 CENTRAL AVE	REPLACE SERVICE	6' FROM MAIN TO ROW	10

4. SEWER SERVICE REPLACEMENT SHALL BE WITH 6" SDR 35 PVC PIPE IN ACCORDANCE WITH SPECIAL PROVISION 612.
5. SEWER SERVICE REPAIRS NECESSARY TO ACCOMMODATE NEW UTILITIES WILL BE INCIDENTAL TO THE NEW UTILITY INSTALLATION.
6. ABANDONED SEWER MAIN SHALL BE FILLED WITH FLOWABLE FILL. THE FRAME, GRATE, AND TOP CONE OF ABANDONED SEWER MANHOLES SHALL BE REMOVED AND PROPERLY DISPOSED. ABANDONED SEWER MANHOLES SHALL BE FILLED WITH FLOWABLE FILL. THE FOLLOWING TABLE LISTS THE SEWER MAINS AND MANHOLES TO BE FILLED:

SMH	SMH	SIZE	LENGTH (FT)
1242	1243	24" ACP	270
1243	1244	24" ACP	275
1244	1245	24" ACP	55
1245	1246	24" ACP	310
1246	1247	24" ACP	110
1247	1248*	24" ACP	120
1246	--	15" CIP	200

*REMAINS ACTIVE, SEAL OFF ABANDONED 24" PIPE

CIVIL ABBREVIATIONS

&	AND
Ø, DIA	DIAMETER
#, NO	NUMBER
ACP	ASBESTOS CEMENT PIPE
APP'D	APPROVED
BLDG	BUILDING
CB	CATCH BASIN
CEN	CENTER
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
DEMO	DEMOLITION
DHMH	DOGHOUSE MANHOLE
DMH	DRAIN MANHOLE
DI	DUCTILE IRON
DR	DRAIN
DWG	DRAWING
EL	ELEVATION
EMH	ELECTRIC MANHOLE
FM	FORCE MAIN
FT	FEET
G	GAS
HYD	HYDRANT
IN	INCH
INF	INFLUENT
INV	INVERT
LBS	POUNDS
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MW	MONITORING WELL
N	NORTH
NGVD	NATIONAL GEODETIC VERTICAL DATUM
N/A	NOT AVAILABLE/APPLICABLE
NTS	NOT TO SCALE
OCS	OVERFLOW CONTROL STRUCTURE
OD	OUTSIDE DIAMETER
PC	PERFORATED CLAY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PS	PRIMARY SLUDGE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
(R)	REMOVE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REQ'D	REQUIRED
S	SLOPE, SEWER
SD	STORM DRAIN
SF	SQUARE FEET
SMH	SANITARY SEWER MANHOLE
SQ	SQUARE
STA	STATION
T, XFMR	TRANSFORMER
TBM	TEMPORARY BENCH MARK
THK	THICKNESS
TOS	TOP OF STRUCTURE
TYP	TYPICAL
UD	UNDERDRAIN
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
USF	UNDERDRAIN SOIL FILTER
VC	VITRIFIED CLAY
W/	WITH
W	POTABLE WATER

LEGEND

EXISTING		PROPOSED
	PROPERTY/ROW LINE	
	EASEMENT LINE	
	CENTERLINE	
	EDGE OF PAVEMENT	
	CURBING	
	EDGE OF GRAVEL	
	EDGE OF CONCRETE	
122	CONTOUR	123
	BUILDING	
	STONEWALL	
	TREELINE	
	CHAIN LINK FENCE	
	STOCKADE FENCE	
	BARB WIRE FENCE	
	PICKET FENCE	
	RETAINING WALL	
	GUARDRAIL	
8" S	SEWER	S 15" S
8" SA	ABANDONED SEWER	
4" S	SEWER SERVICE	
4" FM	SEWER FORCE MAIN	FM 15" FM
4" G	GAS	4"G
8" W	WATER	W 15" W
W	WATER SERVICE	
15" STM	STORM DRAIN	SD 15" SD
STM	STORM DRAIN SERVICE	
6" UD	UNDERDRAIN	6"UD
12" CMP	CULVERT	12" CMP
UGE	UNDERGROUND ELECTRIC	UGE
OHE	OVERHEAD ELECTRIC	OHE
UGT	UNDERGROUND TELEPHONE	
CATV	UNDERGROUND CABLE TV	
	IRON PIPE/REBAR	
	DRILLHOLE	
	MONUMENT	
	SURVEY CONTROL POINT	
124.6	SPOT ELEVATION	134.5
SMH	SEWER MANHOLE	SMH
DMH	DRAINAGE MANHOLE	DMH
CB CB CB	CATCH BASIN	CB CB CB OCS
EMH	ELECTRIC MANHOLE	
TMH	TELEPHONE MANHOLE	
	WATER GATE VALVE	
	WATER SERVICE SHUTOFF	
	SOLID SLEEVE COUPLING	
	REDUCER	
	YARD HYDRANT	
	HYDRANT	
	GAS SERVICE SHUTOFF	
	GAS GATE VALVE	
	UTILITY POLE	
	UTILITY POLE W/ GUY	
	UTILITY POLE W/ LIGHT	
	LIGHT POLE	
	BOLLARD	
	FLAGPOLE	
	CONIFEROUS TREE	
	DECIDUOUS TREE	
	SHRUB	
	WETLAND FLAG	
	EDGE OF WATER	
	STREAM	
	EDGE OF WETLANDS	
	FLOODPLAIN	
	WETLANDS	
	DRAINAGE FLOW	
	DRAINAGE SWALE	
	PAVEMENT MARKINGS	
	SIGN	
MB	MAILBOX	
	TEMPORARY BENCH MARK	
TP	TEST PIT	
B	TEST BORING	
P	TEST PROBE	
MW	MONITORING WELL	
	LIMIT OF WORK	
	SILT FENCE	
	RIPRAP	
	RAILROAD	
	MATCHLINE	
	ROCK OUTCROP	
	CAP OR PLUG EXISTING PIPE	
	PROBE OR BORING TO REFUSAL	
	BOTTOM OF PROBE OR BORING	

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

BRITT ECKSTROM 10/1/2024 STATE OF NEW HAMPSHIRE 15443 LICENSED PROFESSIONAL ENGINEER

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

DRAWING
C-1

J:\ENG\WH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-GENERALNOTES.DWG | 20803-CM-GeneralNotes | 12.5849 | ---- | 1/21/2025 8:46:33 AM | JAMES.MICHAUD

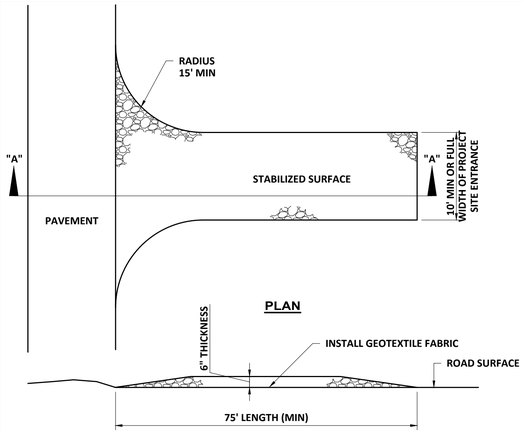
LAST SAVED BY: JAMES.MICHAUD 3/19/2025 8:01 AM

EROSION AND SEDIMENTATION CONTROL NOTES

1. THIS PLAN HAS BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE NEW HAMPSHIRE STORMWATER MANUAL VOLUME 3 BY THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES, TERRAIN ALTERATION BUREAU, DATED DECEMBER 2008.
2. THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL STRUCTURES REQUIRED ARE SHOWN ON THE DRAWINGS. PROVIDE SILT FENCE, STONE CHECK DAMS AND OTHER EROSION CONTROL MEASURES AS REQUIRED TO ADEQUATELY PREVENT SEDIMENT TRANSPORT AS NOTED IN THE BMP.
3. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH THE NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL VOLUME 3 AND THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES, ENV-Wq 1500: ALTERATION OF TERRAIN, LATEST VERSION.
4. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION, IN NO CASE AT MORE THAN 5 ACRES AT A TIME, WILL BE MAINTAINED IN AN UNTREATED OR UN-VEGETATED CONDITION FOR THE MINIMUM TIME REQUIRED. IN GENERAL, AREAS TO BE VEGETATED SHALL BE PERMANENTLY STABILIZED WITHIN 3 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE OF THE SOIL.
5. TEMPORARY STORAGE OF STOCKPILED MATERIAL SHALL BE STABILIZED IN A MANNER THAT WILL MINIMIZE EROSION.
6. EROSION CONTROL MEASURES SUCH AS SEDIMENT BARRIERS (SILT FENCE, STONE CHECK DAMS, ETC.) AND OUTLET PROTECTION (WHERE APPLICABLE) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OR EARTH MOVING OPERATIONS OF UPGRADIENT DRAINAGE AREAS.
7. FUGITIVE DUST MUST BE CONTROLLED IN ACCORDANCE WITH NEW HAMPSHIRE STANDARDS.
8. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSURE. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED AND/OR WILL NOT ERODE UNDER THE CONDITIONS OF A 10-YEAR STORM. STABILIZATION SHALL BE DEFINED AS ONE OF THE FOLLOWING:
   A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
   B. A MINIMUM OF 85% VEGETATIVE GROWTH HAS BEEN ESTABLISHED;
   C. A MINIMUM OF 3" OF NON-EROSIVE MATERIALS SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
   D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
9. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL NOT BE STEEPER THAN THREE HORIZONTAL TO ONE VERTICAL (3 TO 1) UNLESS STABILIZED WITH PERMANENT EROSION CONTROL MEASURES. IF MOWING IS TO OCCUR, MAXIMUM SLOPE ANGLE SHALL BE THREE HORIZONTAL TO ONE VERTICAL (3 TO 1). ON SLOPES FOUR HORIZONTAL TO ONE VERTICAL (4 TO 1), FINAL PREPARATION SHOULD INCLUDE SURFACE ROUGHING.
10. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND RE-GRADED ONTO OPEN AREAS. POST SEEDING SEDIMENT, IF ANY, WILL BE DISPOSED OF IN AN ACCEPTABLE MANNER. AT NO TIME SHALL THE INTEGRITY OF THE EROSION CONTROL FENCE BE IN DANGER DUE TO BUILD UP OF SEDIMENT.
11. RE-VEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND RE-VEGETATED.
12. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 2 BALES (70-90 LBS) PER 1,000 SQUARE FEET OR 1.5 TO 2 TONS (90-100 BALES) PER ACRE TO COVER 75 TO 90% OF THE GROUND SURFACE.
13. DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
14. SEED MIX SELECTION AND APPLICATION RATES WILL BE CONSISTENT WITH THE FOLLOWING TABLES AS REFERENCED FROM MINNICK, E.L. AND H.T. MARSHALL, STORMWATER MANAGEMENT AND EROSION CONTROL FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE, ROCKINGHAM COUNTY CONSERVATION DISTRICT, AUGUST 1992, AND TABLES 4-1 THROUGH 4-3 OF SECTION 3 IN THE NEW HAMPSHIRE STORMWATER MANUAL AND INCLUDED ON THIS SHEET. NOTE: REED CANARY GRASS SHALL NOT BE USED.
15. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE WORK AREA IS STABILIZED.
16. WETLANDS WILL BE PROTECTED WITH SILT FENCE INSTALLED AT THE EDGE OF THE WETLAND.
17. IN GENERAL, AREAS WITHIN 100 FEET OF DELINEATED WETLANDS OR STREAMS SHALL HAVE A MAXIMUM PERIOD OF EXPOSURE OF NOT MORE THAN 15 DAYS.
18. FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IN ALL AREAS WITHIN 100 FEET OF DELINEATED WETLANDS OR STREAMS.

EROSION CONTROL DURING WINTER CONSTRUCTION

1. WINTER CONSTRUCTION PERIOD DEFINED: NOVEMBER 1 THROUGH MAY 1
2. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
3. EXPOSED AREAS SHOULD BE LIMITED TO WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY PRECIPITATION EVENT.
4. ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
5. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
6. AFTER NOVEMBER 15, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3



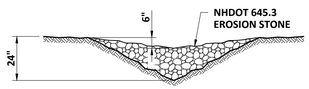
SECTION A-A

NOTES

1. TEMPORARY, TO BE REMOVED PRIOR TO FINAL SITE RESTORATION
2. STONE SHALL BE NHDOT 304.5 CRUSHED STONE.
3. PROPOSED STABILIZED CONSTRUCTION EXIT TO BE COORDINATED WITH THE OWNER/ENGINEER PRIOR TO MOBILIZATION.

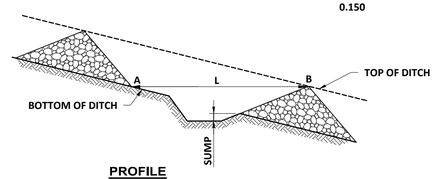
STABILIZED CONSTRUCTION EXIT

SCALE: "NTS"



CROSS SECTION

DITCH SLOPE (FT/FT)	L (FT)
0.020	100
0.030	66
0.040	50
0.050	40
0.080	25
0.100	20
0.120	17
0.150	13

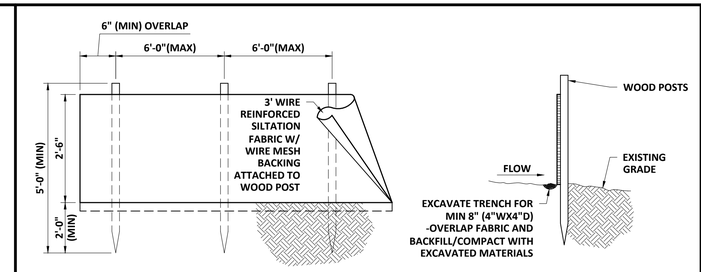


PROFILE

NOTE:
FOR DRAINAGE AREAS 1 ACRE OR LESS

STONE CHECK DAM DETAIL

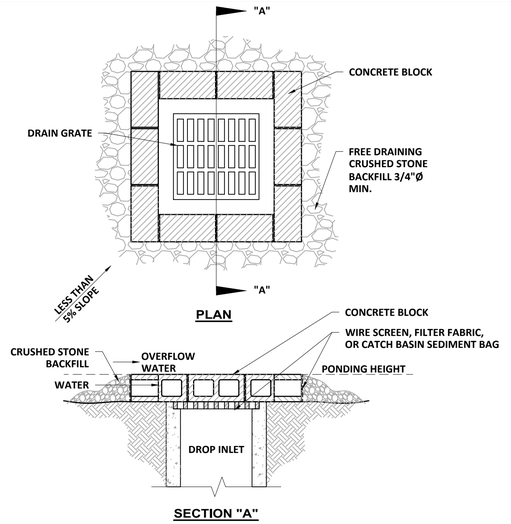
NTS



NOTES:
1. MAXIMUM LENGTH OF SLOPE ABOVE THE FENCE SHALL BE 100 FEET
2. MAXIMUM SLOPE ABOVE FENCE SHALL BE 2H TO 1V

SILT FENCE INSTALLATION DETAIL

SCALE: "NTS"



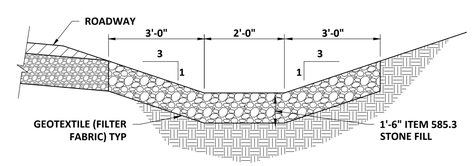
PLAN

SECTION "A"

NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS(LESS THAN 3%).
2. EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET.
3. THE TOP OF THE STRUCTURE, PONDING HEIGHT, MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.
4. SILT BAGS MAY ALSO BE USED FOR CB GRATE INLET PROTECTION.

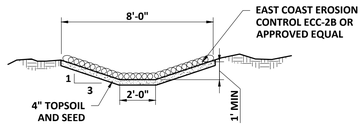
DROP INLET SEDIMENT BARRIER DETAIL

SCALE: "NTS"



STONE LINED DITCH

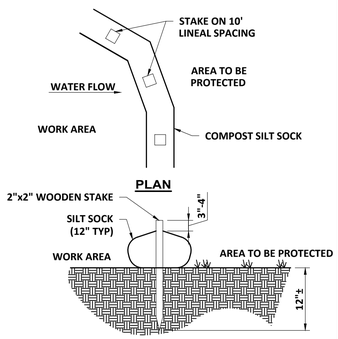
SCALE: NTS



NOTES:
1. TO BE INSTALLED ON SLOPES LESS THAN 3% IN GRADE.
2. ALL DITCHES WITH SLOPES GREATER THAN 3% GRADE SHALL BE LINED IN RIP RAP.

MATTING INSTALLATION - DITCH

SCALE: NTS



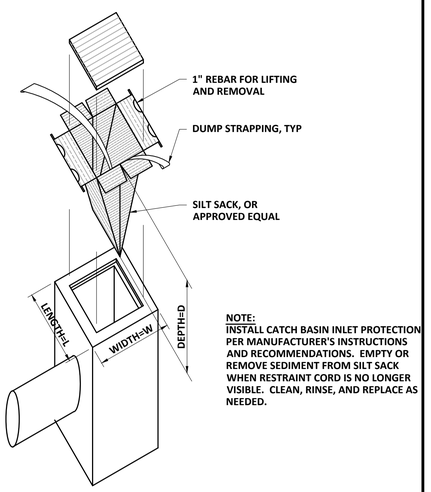
PLAN

SECTION

NOTES:
1. ALL MATERIAL TO MEET SPECIFICATIONS
2. SILT SOCK COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS
3. SILT SOCK DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER
4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

COMPOST SILT SOCK

SCALE: "NTS"



NOTE:
INSTALL CATCH BASIN INLET PROTECTION PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. EMPTY OR REMOVE SEDIMENT FROM SILT SACK WHEN RESTRAINT CORD IS NO LONGER VISIBLE. CLEAN, RINSE, AND REPLACE AS NEEDED.

CATCH BASIN INLET PROTECTION

SCALE: NTS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ECKSTROM – NO. 13243 – PROFESSIONAL ENGINEER – 5/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

EROSION CONTROL NOTES AND DETAILS

DRAWING
C-2

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-EROSIONCONTROL.DWG | 20803-CM-ErosionControl | 1:2.5848 | --- | 3/21/2025 8:46:38 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 8:10 AM

SITE INDEX PLAN
SCALE: 1"=150'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ECKSTROM – NO. 15826 – PROFESSIONAL ENGINEER – 5/23/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

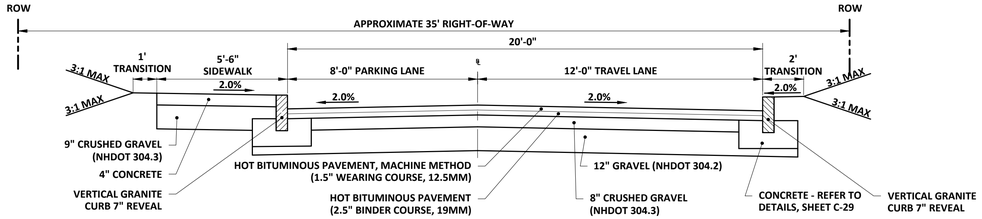
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

SITE INDEX PLAN

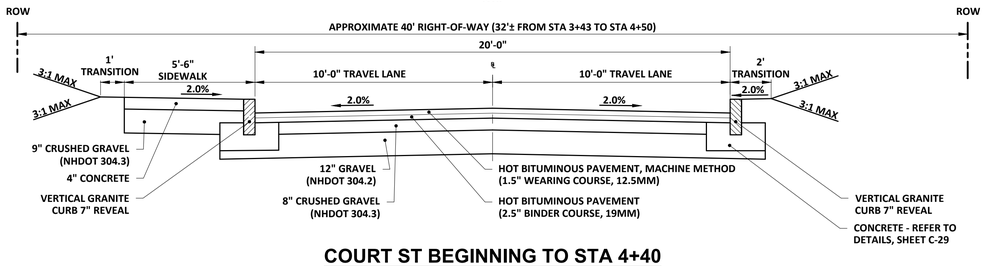
DRAWING
C-3

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CIV-SiteIndex | 12.5849 | --- | 3/21/2025 8:48:21 AM | JAMES.MICHAUD

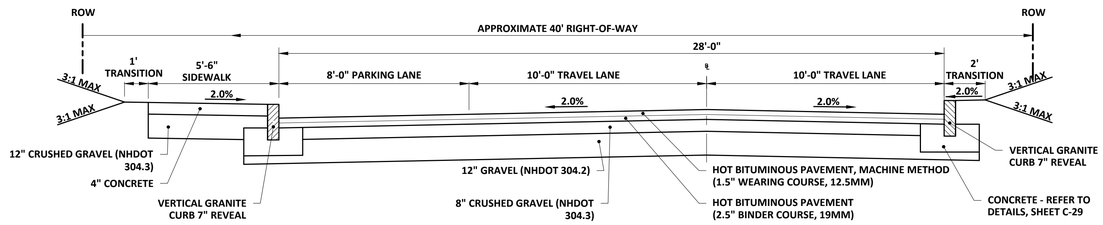
LAST SAVED BY: JAMES.MICHAUD 3/19/2025 11:31 AM



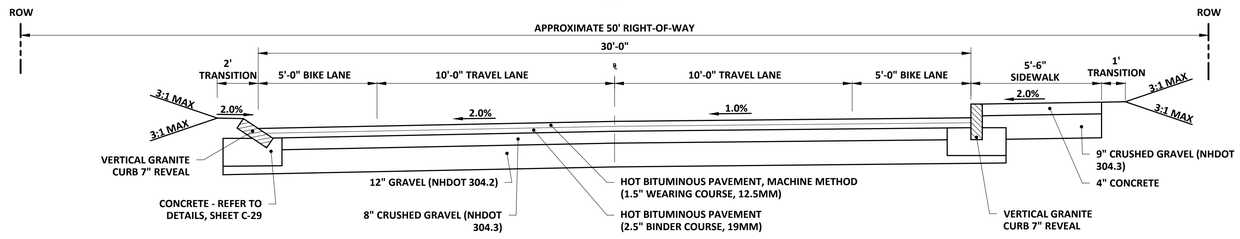
UNION ST STA BEGINNING TO END
NTS



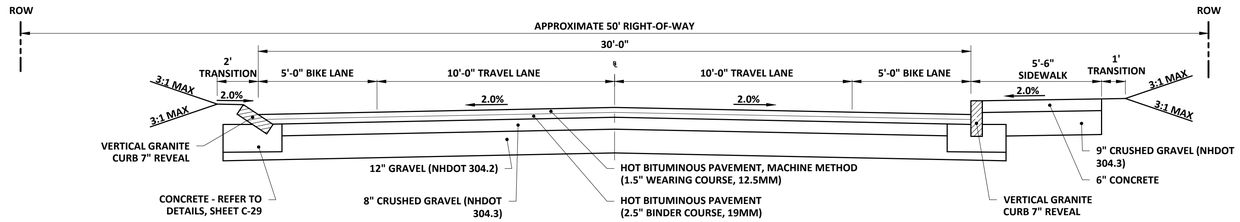
COURT ST BEGINNING TO STA 4+40
NTS



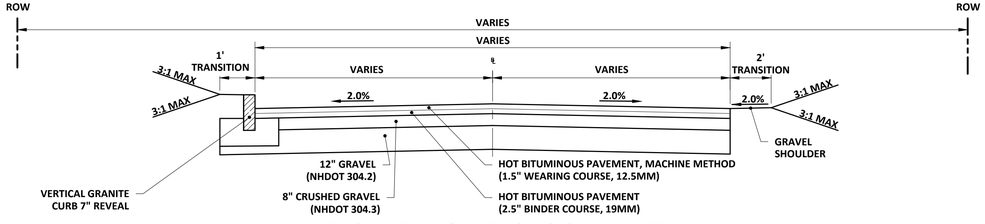
COURT ST STA 4+40 TO STA 8+65
NTS



COURT ST STA 8+65 TO STA 13+00
NTS



COURT ST STA 13+00 TO END
NTS



BACK RD BEGINNING TO STA 61+37
NTS

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-TYPICALSECTIONS.DWG | 20803-CM-TypicalSections | 1:2.5849 | — | 3/11/2025 8:48:28 AM | JAMES.MICHAUD

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

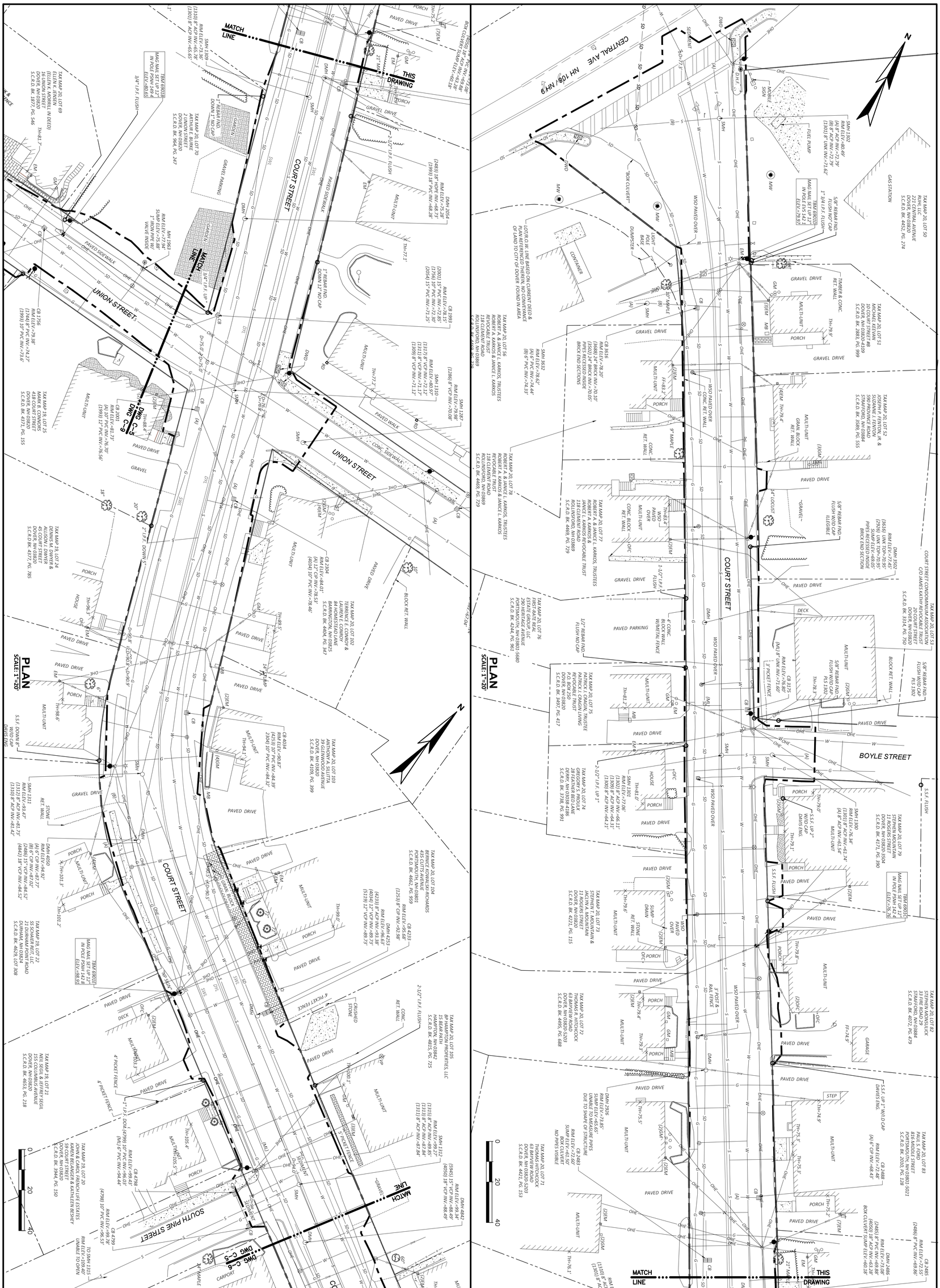
PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

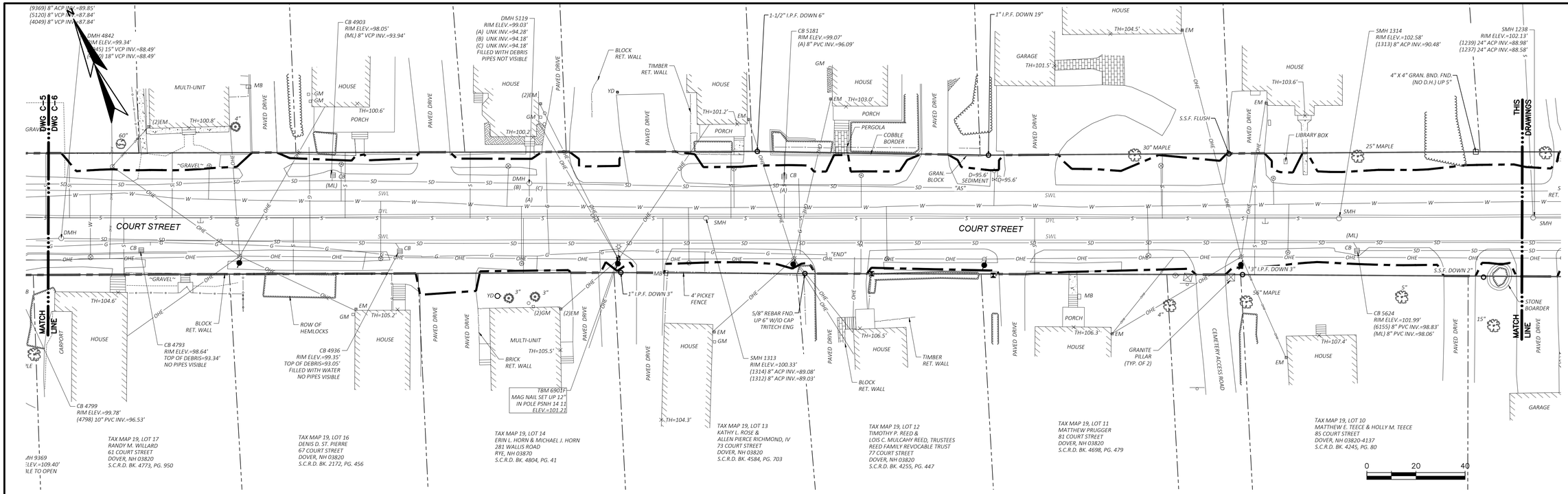
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

TYPICAL ROADWAY SECTIONS

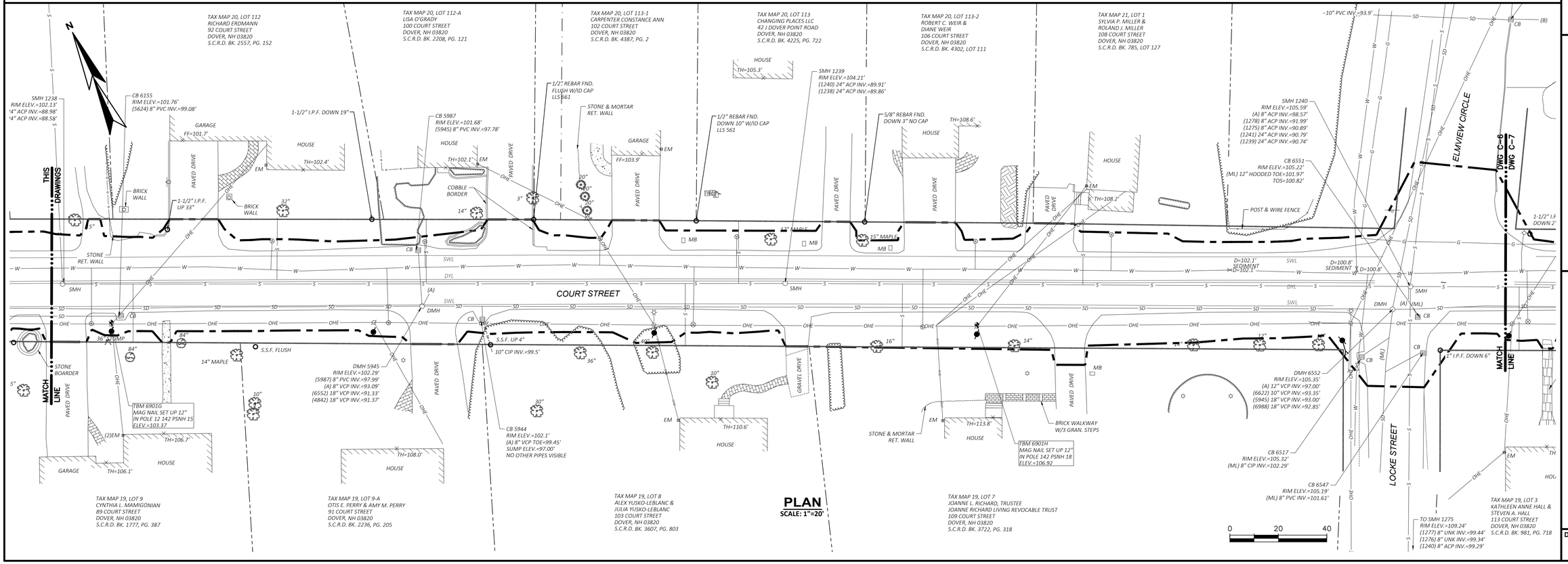
DRAWING
C-4


PLAN
SCALE: 1"=20'
MATCH LINE
THIS DRAWING
COURT STREET
UNION STREET
SOUTH PINE STREET
BOYLE STREET
CENTRAL AVE
NH 108 / NH 9
GAS STATION
GRAVEL PARKING
PAVED PARKING
PAVED SIDEWALK
CONC. SIDEWALK
GRAVEL DRIVE
PAVED DRIVE
MULTI-UNIT
PORCH
CARPORT
GARAGE
DMH 1304
RIM ELEV.=75.28'
(2483) 18" RCP INV.=68.28'
(1993) 18" PVC INV.=68.28'
DMH 1305
RIM ELEV.=77.34'
(2003) 15" PVC INV.=72.85'
(1256) 10" PVC INV.=72.30'
(2054) 15" PVC INV.=71.25'
CB 1993
RIM ELEV.=77.25'
(2003) 15" PVC INV.=72.85'
(1256) 10" PVC INV.=72.30'
(2054) 15" PVC INV.=71.25'
CB 3616
RIM ELEV.=78.30'
(2468) 24" RBCK INV.=70.10'
(3502) 24" RBCK INV.=70.05'
BRICK END SECTIONS
SMH 3632
RIM ELEV.=76.62'
(I) 6" PVC INV.=74.44'
(O) 6" PVC INV.=74.33'
SMH 1310
RIM ELEV.=80.92'
(1313) 8" VCP INV.=73.12'
(3393) 8" VCP INV.=73.12'
DMH 1306
RIM ELEV.=79.98'
(2828) 8" VCP INV.=70.08'
SMH 1357
RIM ELEV.=79.98'
(2828) 8" VCP INV.=70.08'
SMH 1309
RIM ELEV.=80.49'
(1310) 8" ACP INV.=65.38'
(1310) 8" ACP INV.=65.65'
DMH 1307
RIM ELEV.=77.34'
(2468) 18" RCP INV.=68.28'
(1993) 18" PVC INV.=68.28'
DMH 1308
RIM ELEV.=77.34'
(2468) 18" RCP INV.=68.28'
(1993) 18" PVC INV.=68.28'
CB 1756
RIM ELEV.=79.28'
(1944) 8" PVC INV.=74.23'
(1993) 10" PVC INV.=73.6'
CB 2001
RIM ELEV.=79.88'
(A) 10" PVC INV.=76.20'
(1993) 12" PVC INV.=76.56'
CB 2304
RIM ELEV.=80.01'
(A) 12" CPP INV.=78.51'
(4034) 10" PVC INV.=78.46'
CB 6314
RIM ELEV.=80.87'
(4233) 10" PVC INV.=68.39'
2304) 10" PVC INV.=68.32'
CB 6313
RIM ELEV.=80.68'
(1253) 8" CPP INV.=92.98'
DMH 4253
RIM ELEV.=95.68'
(4034) 12" VCP INV.=89.73'
(5119) 12" VCP INV.=89.73'
DMH 4650
RIM ELEV.=87.90'
(A) 6" CPP INV.=87.77'
(B) 6" CPP INV.=87.00'
(4842) 18" VCP INV.=84.52'
DMH 1312
RIM ELEV.=89.85'
(1313) 8" ACP INV.=87.84'
(1313) 8" ACP INV.=87.84'
(5945) 15" VCP INV.=88.49'
(4038) 18" VCP INV.=88.49'
DMH 4662
RIM ELEV.=99.34'
(4038) 18" VCP INV.=88.49'
CB 4788
RIM ELEV.=99.28'
(4798) 10" PVC INV.=96.53'
CB 4789
RIM ELEV.=99.28'
(4798) 10" PVC INV.=96.53'
DMH 1311
RIM ELEV.=81.47'
(1310) 8" ACP INV.=81.37'
(1310) 8" ACP INV.=81.42'
SMH 1311
RIM ELEV.=85.47'
(1310) 8" ACP INV.=81.37'
(1310) 8" ACP INV.=81.42'
SMH 1300
RIM ELEV.=76.34'
(A) 8" ACP INV.=63.74'
(A) 8" ACP INV.=63.54'
SMH 1301
RIM ELEV.=77.06'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1302
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1303
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1305
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1304
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1303
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 2505
RIM ELEV.=73.85'
SUMP ELEV.=65.65'
ONLY INLET TO SHARE DS CATCH BASIN
DMH 2506
RIM ELEV.=72.85'
SUMP ELEV.=65.65'
ONLY INLET TO SHARE DS CATCH BASIN
DUE TO SHARE DS CATCH BASIN
CB 2483
RIM ELEV.=72.60'
SUMP ELEV.=60.60'
BOX CULVERT
NO PIPES VISIBLE
CB 2485
RIM ELEV.=72.55'
(2468) 8" PVC INV.=69.98'
(2468) 8" PVC INV.=69.98'
DMH 2508
RIM ELEV.=73.08'
(2485) 8" PVC INV.=69.88'
(2485) 8" PVC INV.=69.88'
BOX CULVERT SUMP ELEV.=60.68'
CB 4788
RIM ELEV.=72.68'
(A) 6" CPP INV.=66.43'
CB 3175
RIM ELEV.=74.60'
(MULB" UNK INV.=71.60'
CB 6314
RIM ELEV.=80.87'
(4233) 10" PVC INV.=68.39'
2304) 10" PVC INV.=68.32'
CB 6313
RIM ELEV.=80.68'
(1253) 8" CPP INV.=92.98'
CB 6312
RIM ELEV.=80.87'
(4233) 10" PVC INV.=68.39'
2304) 10" PVC INV.=68.32'
CB 6313
RIM ELEV.=80.68'
(1253) 8" CPP INV.=92.98'
CB 4788
RIM ELEV.=99.28'
(4798) 10" PVC INV.=96.53'
CB 4789
RIM ELEV.=99.28'
(4798) 10" PVC INV.=96.53'
CB 4788
RIM ELEV.=72.68'
(A) 6" CPP INV.=66.43'
CB 4485
RIM ELEV.=72.55'
(2468) 8" PVC INV.=69.98'
(2468) 8" PVC INV.=69.98'
DMH 2508
RIM ELEV.=73.08'
(2485) 8" PVC INV.=69.88'
(2485) 8" PVC INV.=69.88'
BOX CULVERT SUMP ELEV.=60.68'
DMH 1302
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1301
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1303
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1305
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1306
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1307
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1308
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1309
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1310
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1311
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
SMH 1312
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1313
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1314
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1315
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1316
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1317
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1318
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1319
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1320
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1321
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1322
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1323
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1324
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1325
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1326
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1327
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1328
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1329
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1330
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1331
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1332
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1333
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1334
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1335
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1336
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1337
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1338
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1339
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1340
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1341
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1342
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1343
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1344
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1345
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1346
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1347
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1348
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1349
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1350
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1351
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1352
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1353
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1354
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1355
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1356
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1357
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1358
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1359
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1360
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1361
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1362
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1363
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1364
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1365
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1366
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1367
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1368
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1369
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1370
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1371
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1372
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1373
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1374
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1375
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1376
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1377
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1378
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1379
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1380
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1381
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1382
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1383
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1384
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1385
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1386
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1387
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1388
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1389
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1390
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1391
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1392
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1393
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1394
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1395
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1396
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1397
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1398
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1399
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1400
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1401
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1402
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1403
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1404
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1405
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1406
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1407
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1408
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1409
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1410
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1411
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1412
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1413
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1414
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1415
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1416
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1417
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1418
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1419
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1420
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1421
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1422
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1423
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1424
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1425
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1426
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1427
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1428
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1429
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1430
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1431
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1432
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1433
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1434
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1435
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1436
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1437
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1438
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1439
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1440
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1441
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1442
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1443
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1444
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1445
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1446
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1447
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1448
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1449
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1450
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1451
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1452
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1453
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1454
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1455
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1456
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1457
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1458
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1459
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1460
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1461
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1462
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1463
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1464
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=64.21'
DMH 1465
RIM ELEV.=77.34'
(1320) 8" ACP INV.=64.31'
(1320) 8" ACP INV.=64.16'
(1320) 8" ACP INV.=

LAST SAVED BY: JAMES.MICHAUD 3/6/2025 10:10 AM



PLAN
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

J:\ENGINH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-EXISTCOND II.DWG | 12.5849 | — | 3/21/2025 8:52:03 AM | JAMES.MICHAUD

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

BRITT ECKSTROM NO. 13849 STATE OF NEW HAMPSHIRE PROFESSIONAL ENGINEER 3/21/2025

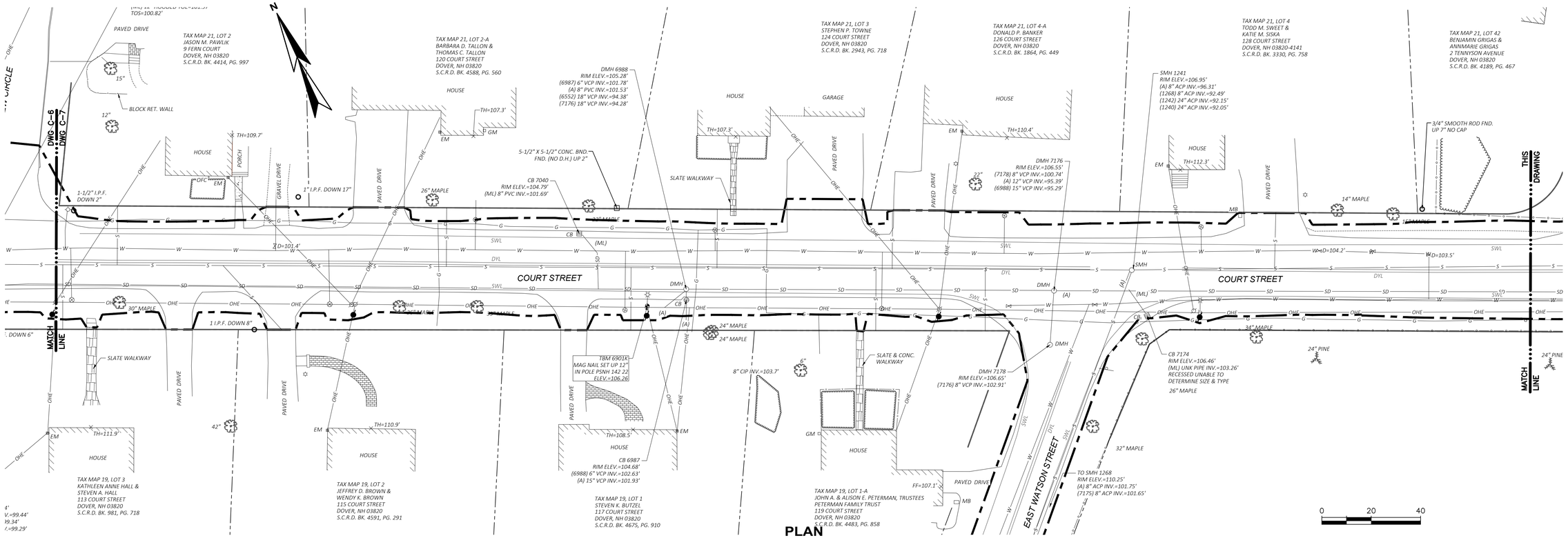
WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

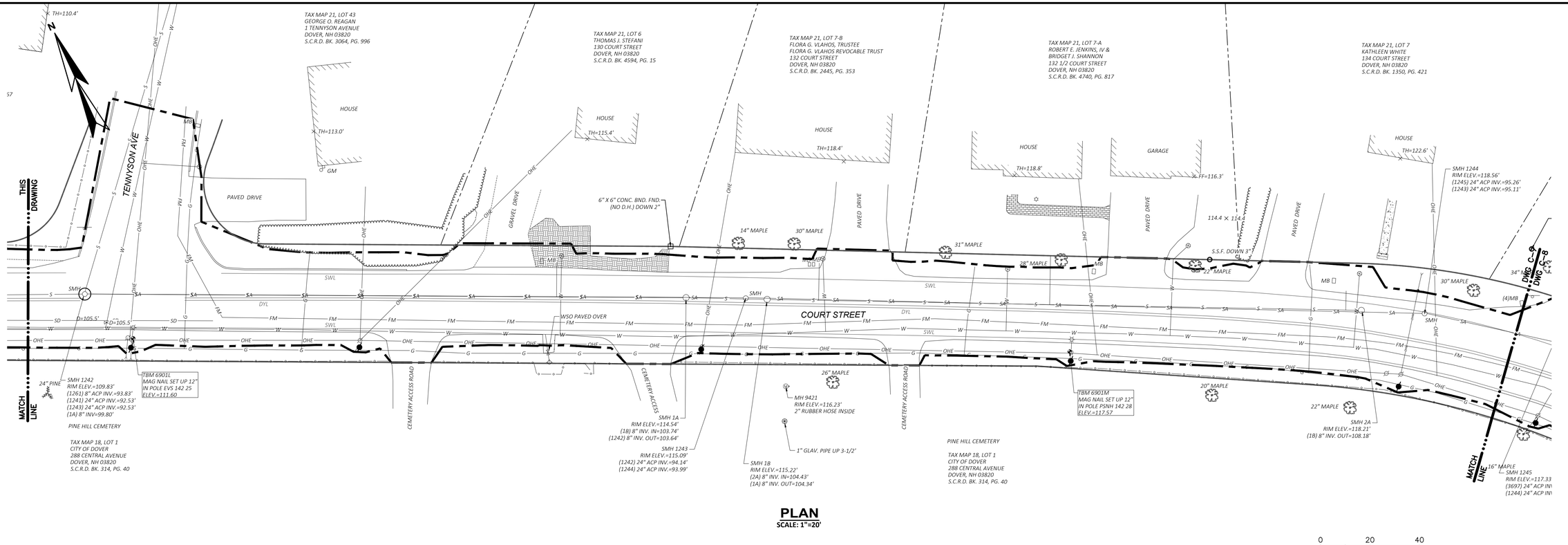
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

EXISTING CONDITIONS II

DRAWING
C-6

LAST SAVED BY: JAMES.MICHAUD 3/6/2025 10:11 AM





NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

BRITT E. ECKSTROM
NO. 13241
STATE OF NEW HAMPSHIRE
PROFESSIONAL ENGINEER
3/7/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

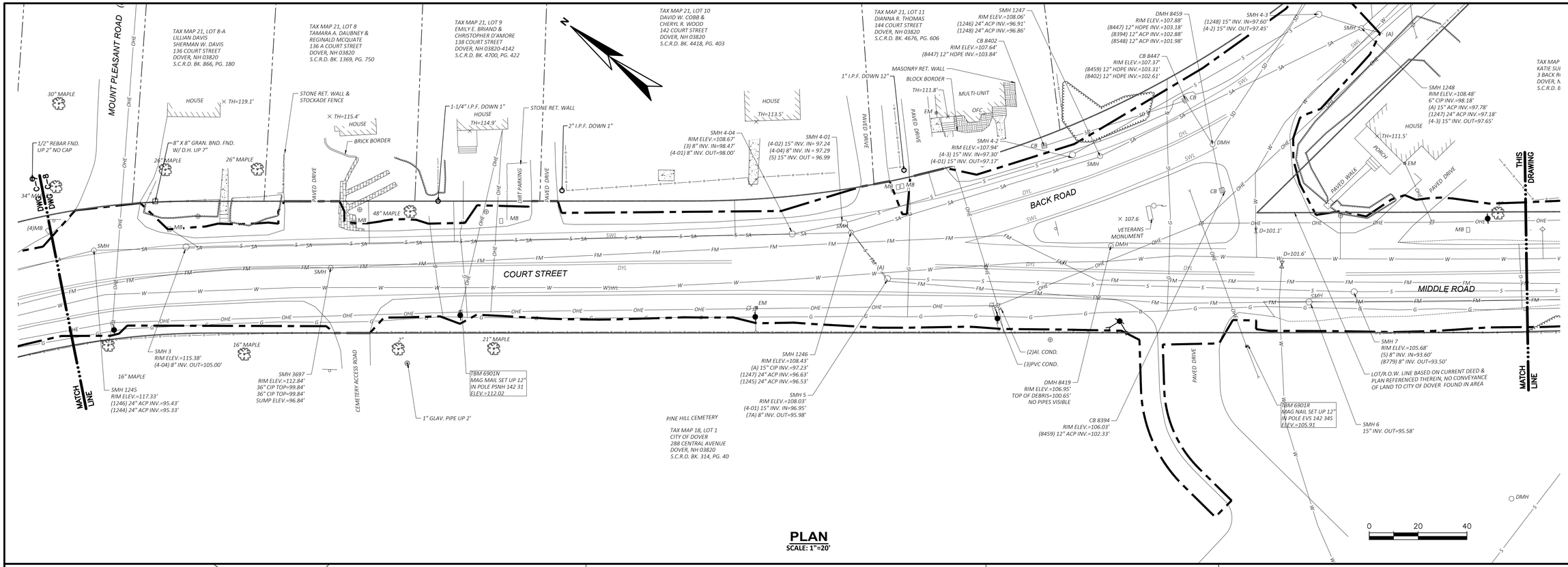
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

EXISTING CONDITIONS III

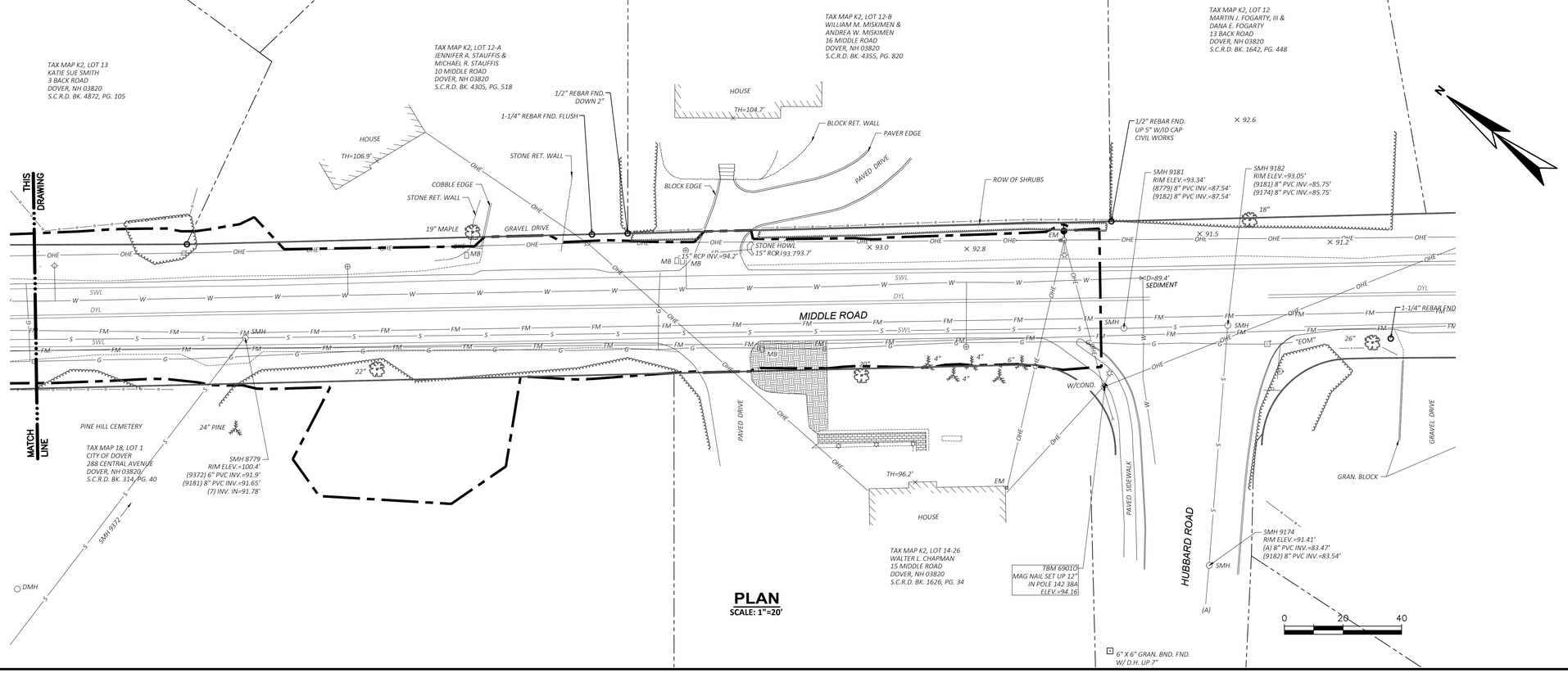
DRAWING
C-7

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-EXISTCOND III.DWG | 20803-CM-ExistCond III | 1:2.5849 | — | 3/11/2025 8:53:32 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/6/2025 10:11 AM



PLAN
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ECKSTROM NO. 13242 – REGISTERED PROFESSIONAL ENGINEER – 3/7/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

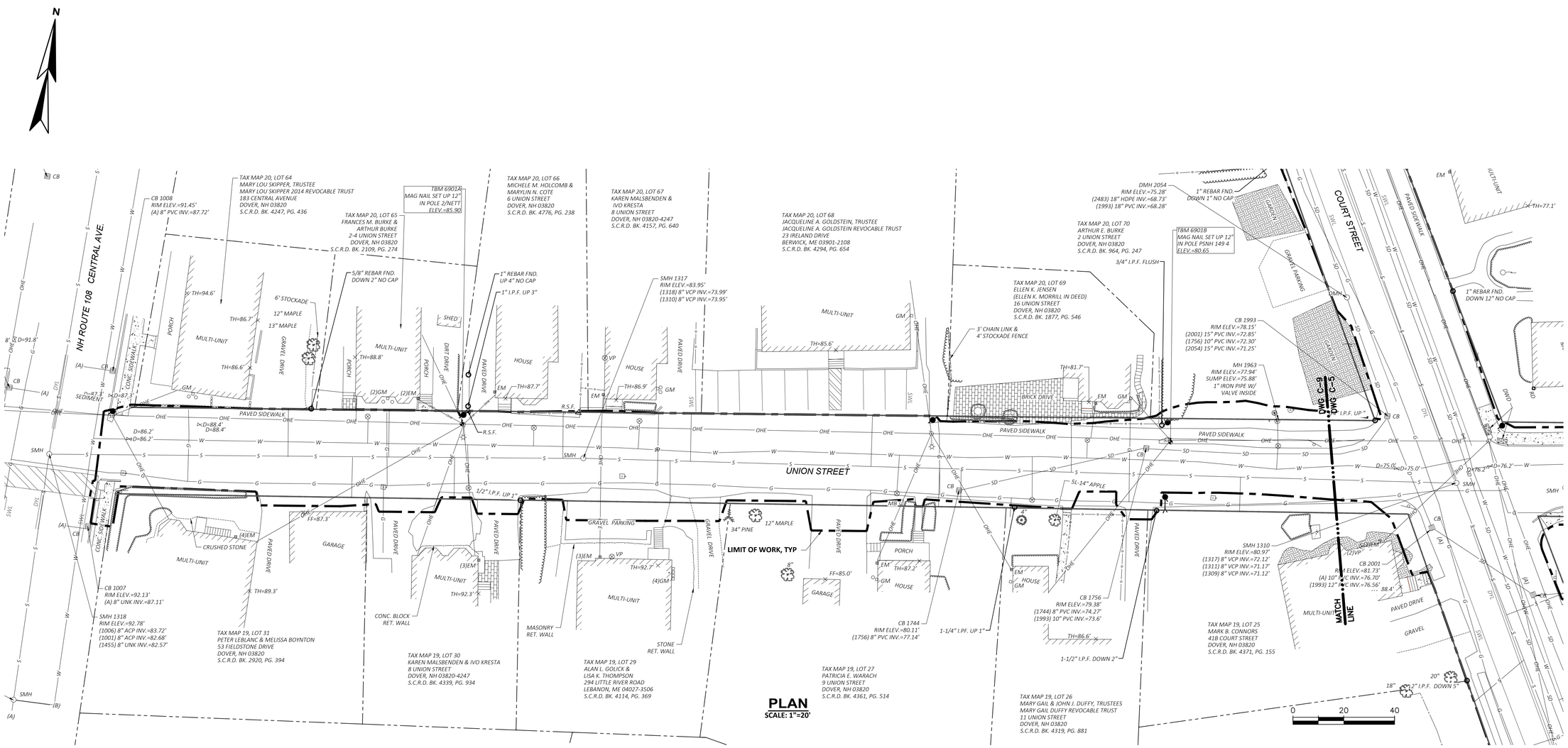
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

EXISTING CONDITIONS IV

DRAWING
C-8

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-EXISTCOND IV.DWG | 20803-CM-EXISTCOND IV | 1:2.5849 | — | 3/21/2025 8:55:04 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/6/2025 10:13 AM



PLAN
SCALE: 1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ERIK STROM – NO. 15125 – LICENSED PROFESSIONAL ENGINEER – 3/7/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

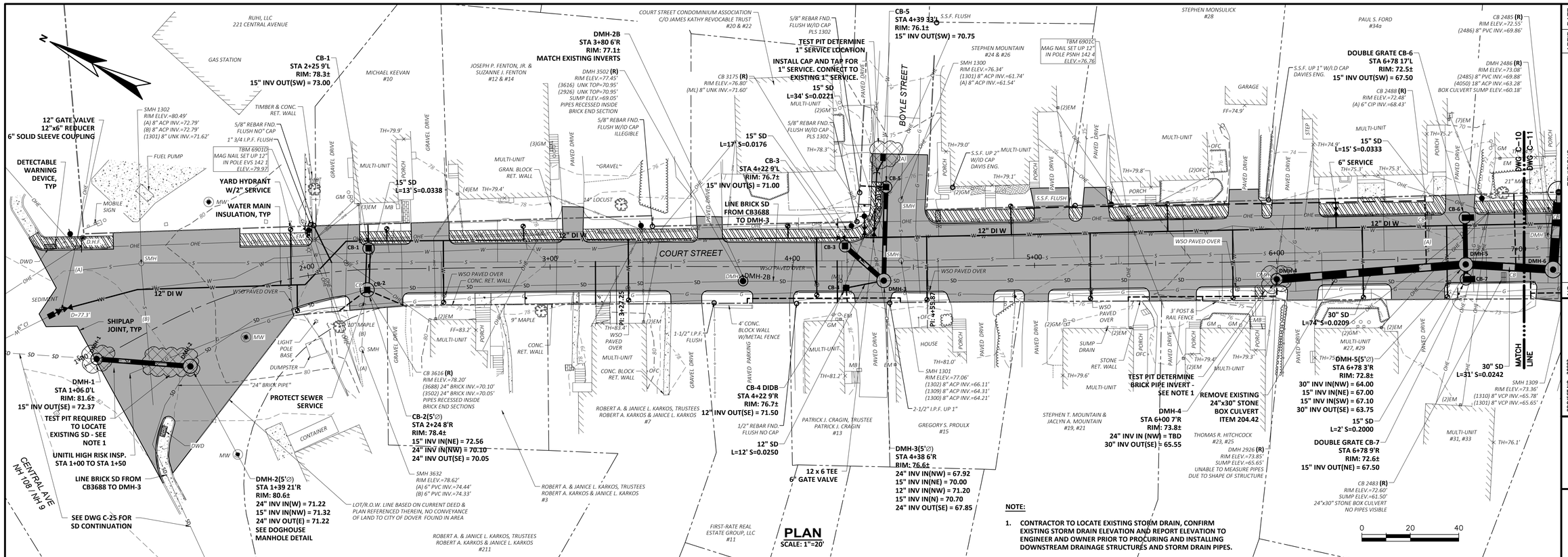
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

EXISTING CONDITIONS V

DRAWING
C-9

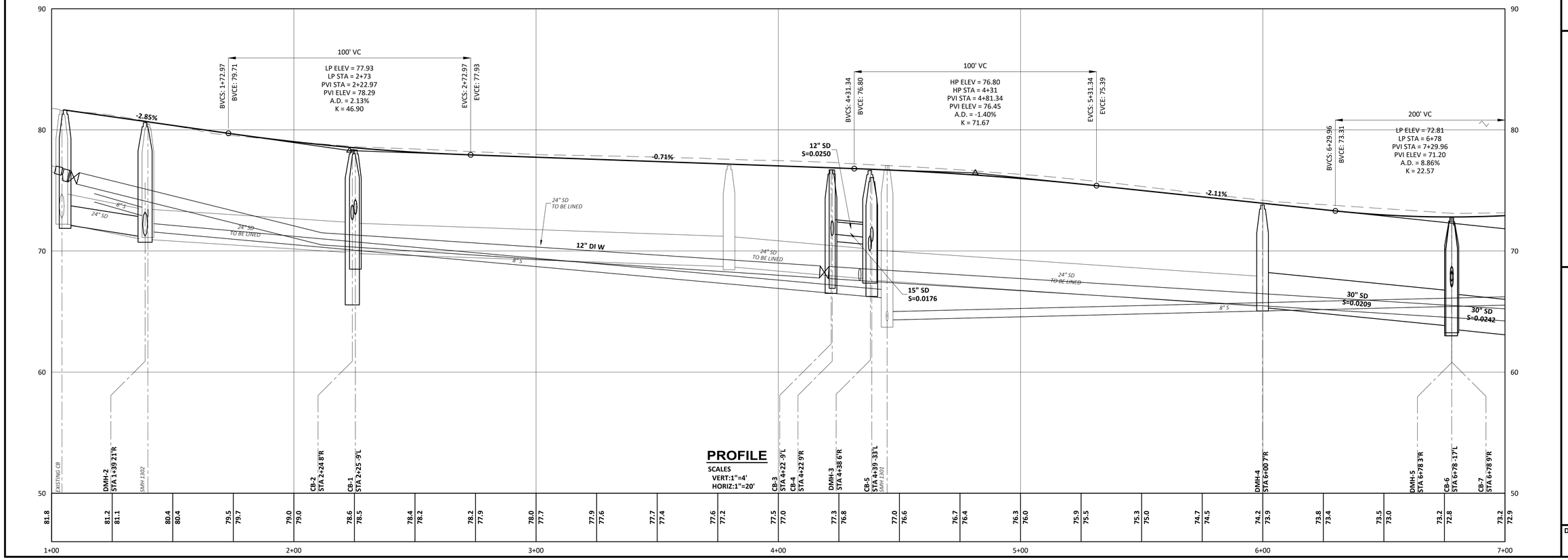
J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-EXISTCOND V.DWG | 20803-CM-EXISTCOND V | 12.5849 | — | 3/21/2025 8:56:35 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 8:24 AM



NOTE:

1. CONTRACTOR TO LOCATE EXISTING STORM DRAIN, CONFIRM EXISTING STORM DRAIN ELEVATION AND REPORT ELEVATION TO ENGINEER AND OWNER PRIOR TO PROCURING AND INSTALLING DOWNSTREAM DRAINAGE STRUCTURES AND STORM DRAIN PIPES.



WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

BRITT ELIAS STROM NO. 15824 STATE OF NEW HAMPSHIRE PROFESSIONAL ENGINEER

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

PLAN AND PROFILE: COURT ST
STA 1+00 TO STA 7+00

DRAWING
C-10

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIVIL\20803-CM-PLAN AND PROFILE.DWG | 20803-CM-Plan and Profile | | 12.5849 | — | 3/21/2025 8:58:22 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 1/20/2025 10:17 AM

NOTE:

1. **CONTRACTOR TO LOCATE EXISTING STORM DRAIN, CONFIRM EXISTING STORM DRAIN ELEVATION AND REPORT ELEVATION TO ENGINEER AND OWNER PRIOR TO PROCURING AND INSTALLING UPSTREAM DRAINAGE STRUCTURES AND STORM DRAIN PIPES.**

PLAN
SCALE: 1"=20'

PROFILE
SCALES
VERT:1"=4'
HORIZ:1"=20'

REVISIONS	NO	DATE	APP'D
	1		
	2		
	3		
	4		
	5		

PROJECT NO: 20803
DESIGNED: B.ICKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED: J.MICHAUD
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

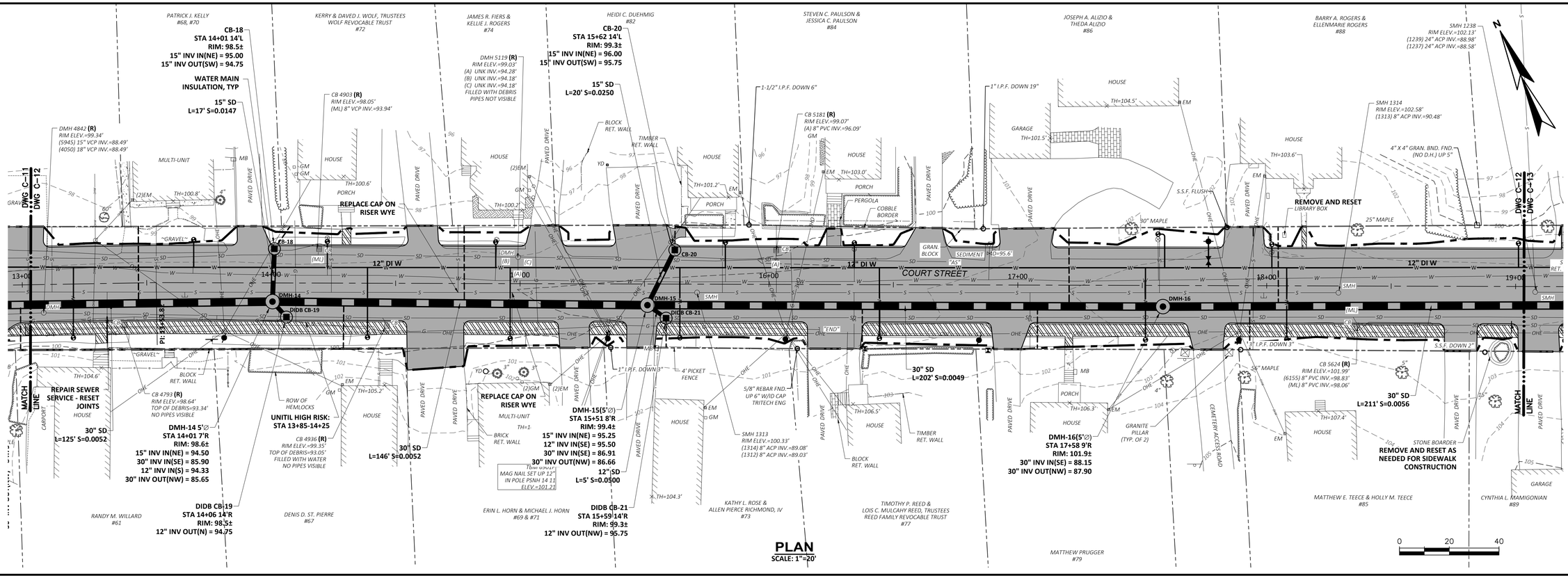
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

PLAN AND PROFILE: COURT ST
STA 7+00 STA 13+00

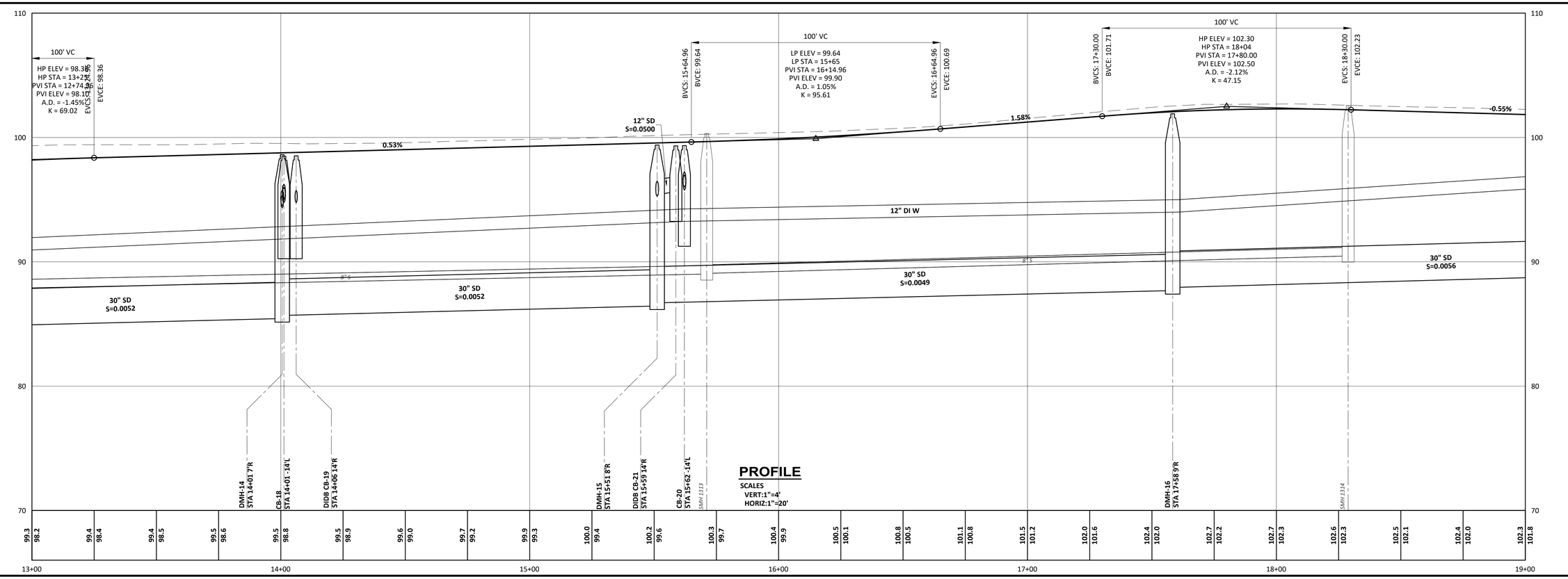
DRAWING
C-11

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIVIL\20803-CM-PLANANDPROFILE II.DWG | 20803-CM-PlanandProfile II | 12.5849 | ---- | 1/21/2025 9:00:18 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 8:47 AM



PLAN
SCALE: 1"=20'



PROFILE
SCALES
VERT:1"=4'
HORIZ:1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

BRITT E. STROM NO. 13243 STATE OF NEW HAMPSHIRE LICENSED PROFESSIONAL ENGINEER

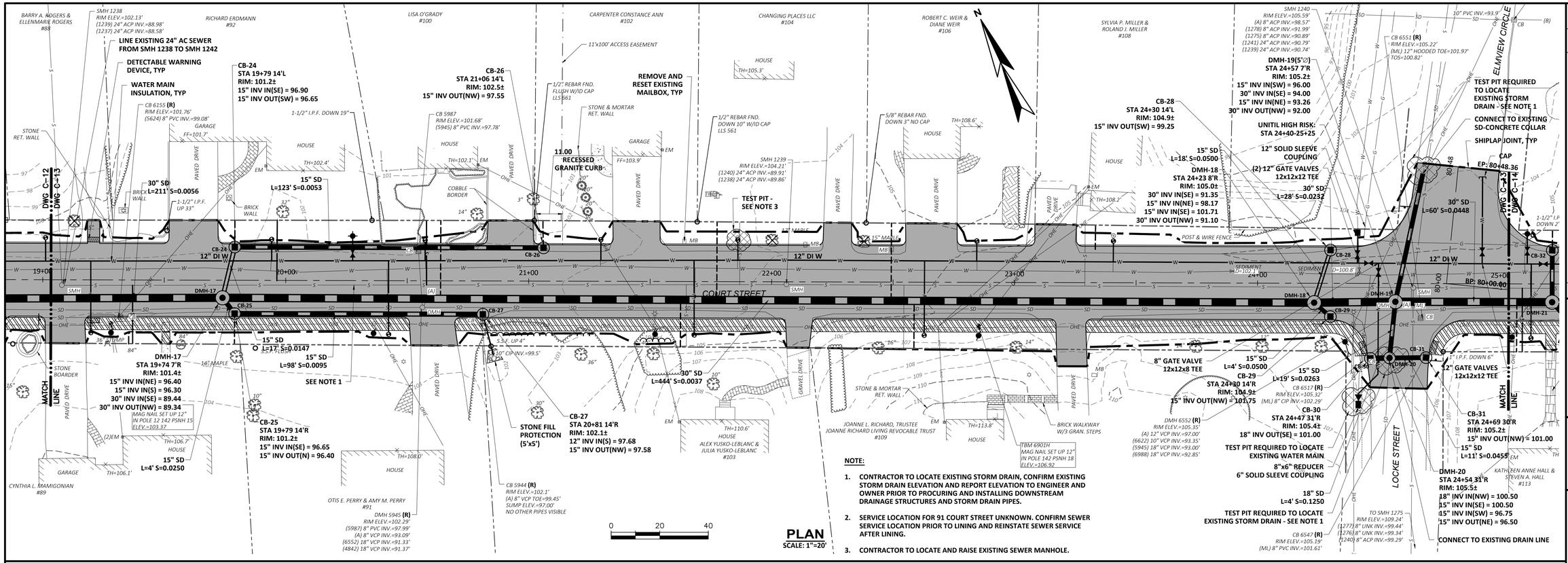
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

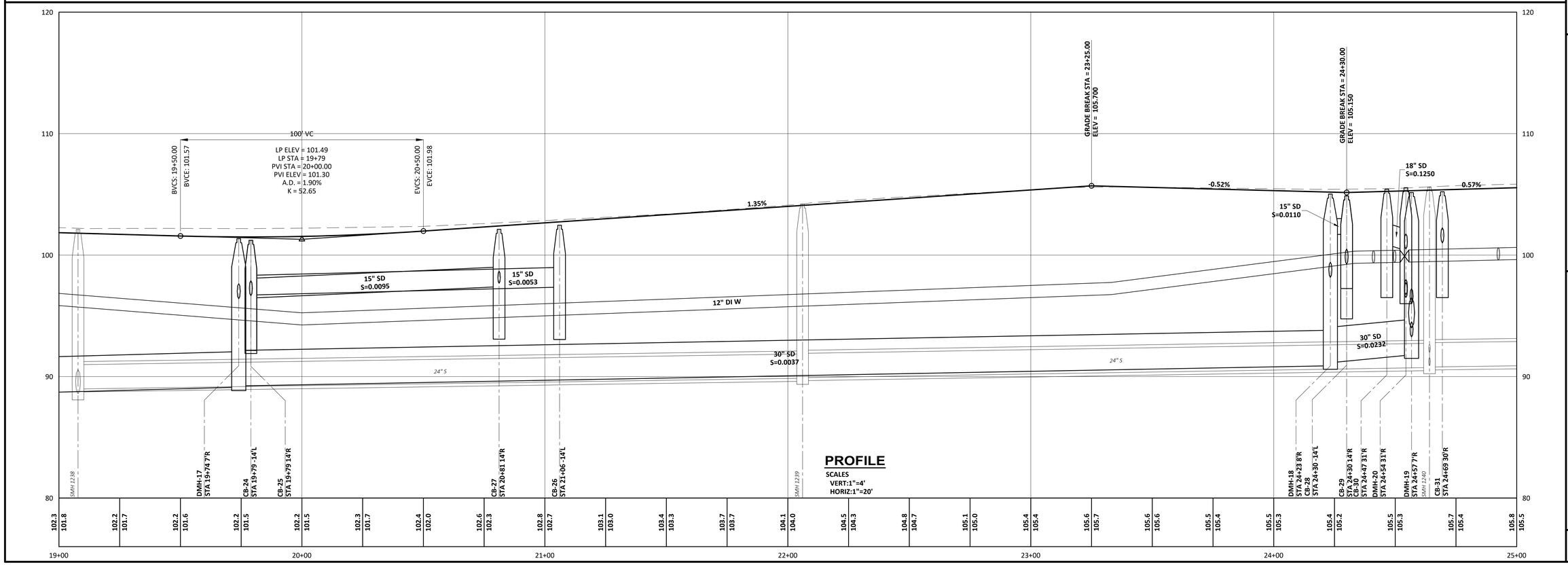
PLAN AND PROFILE: COURT ST
STA 13+00 TO STA 19+00

DRAWING
C-12

J:\ENGV\H\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CIV-PLANANDPROFILE III.DWG | 20803-CIV-PlanandProfile III | 1:2.5849 | ---- | 3/21/2025 9:01:50 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 9:00 AM





NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ERIC STROM – NO. 13225 – LICENSED PROFESSIONAL ENGINEER

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

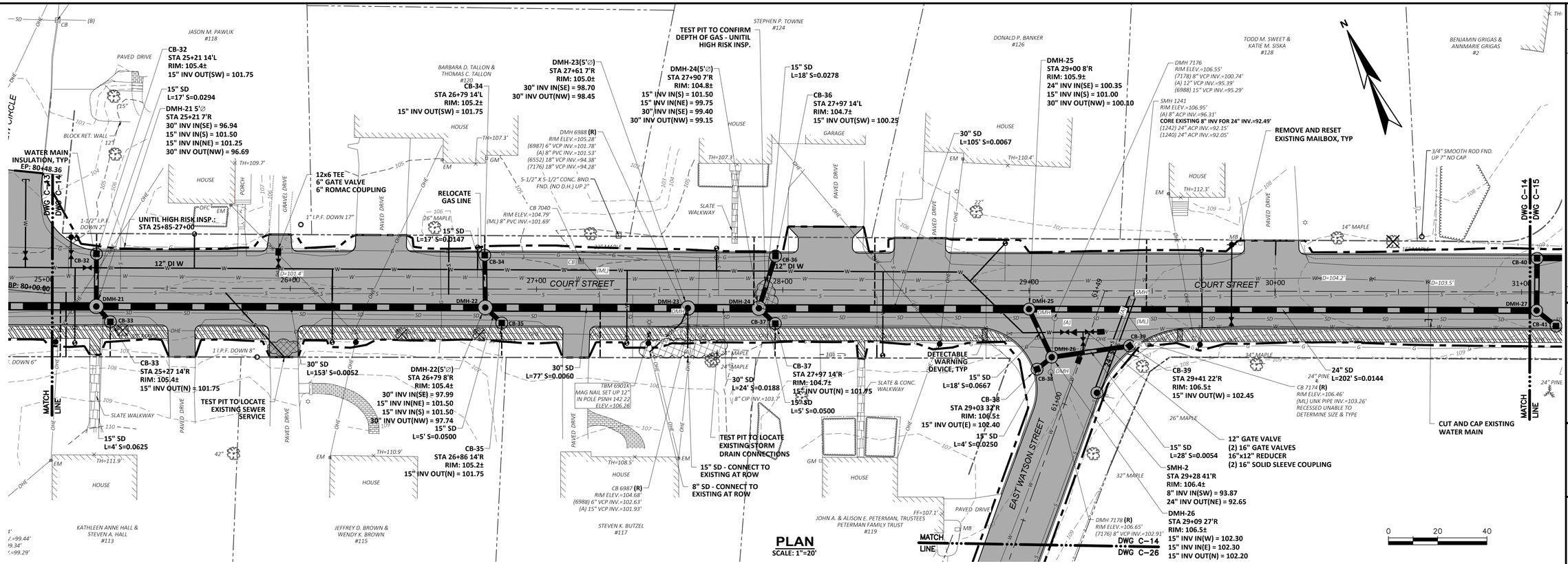
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

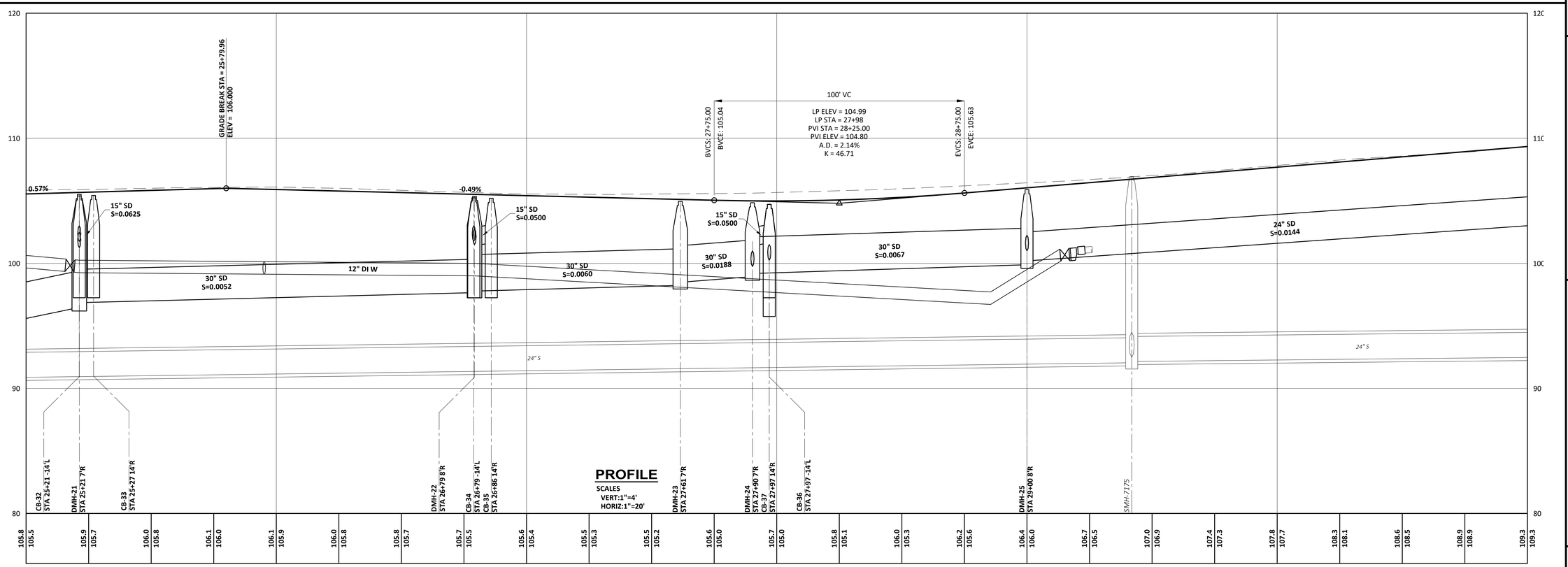
PLAN AND PROFILE: COURT ST
STA 19+00 TO STA 25+00

DRAWING
C-13

J:\ENGNH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-PLANANDPROFILE IV.DWG | 20803-CM-PlanandProfile IV | 1:2.5840 | --- | 3/21/2025 9:03:23 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 9:18 AM





NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

BRITT E. STROM NO. 13225 STATE OF NEW HAMPSHIRE – PROFESSIONAL ENGINEER

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

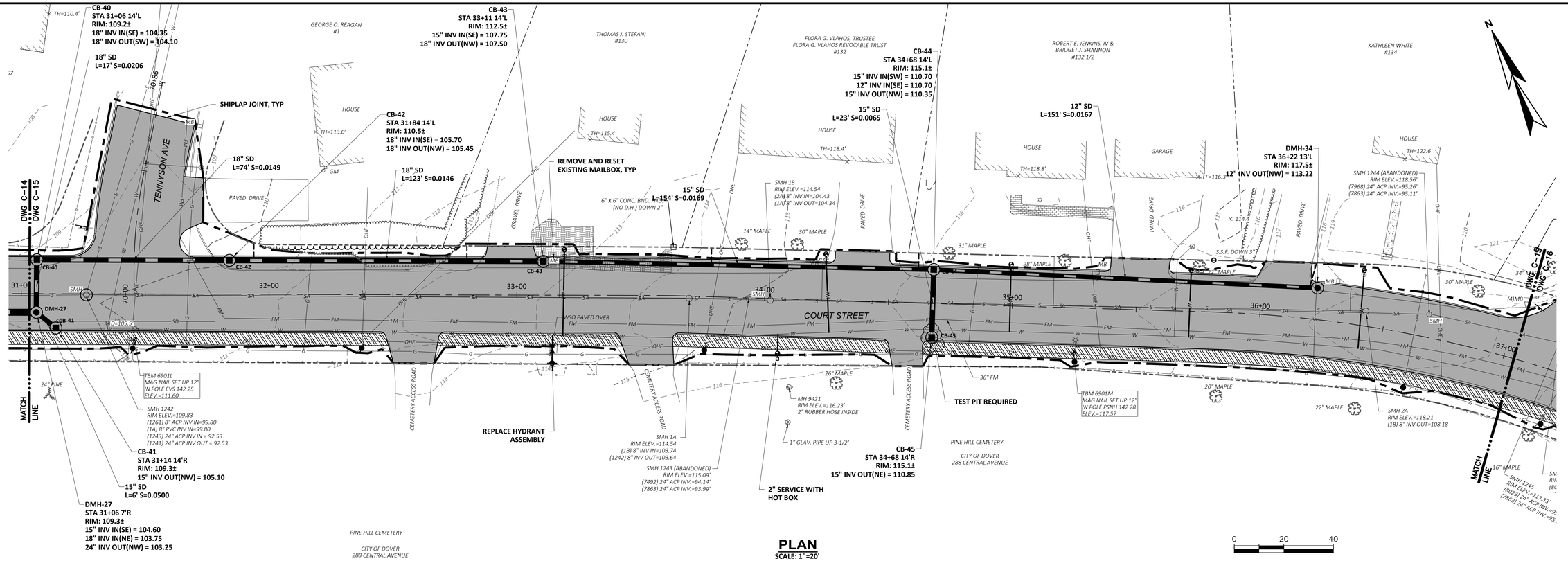
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

PLAN AND PROFILE: COURT ST
STA 25+00 TO STA 31+00

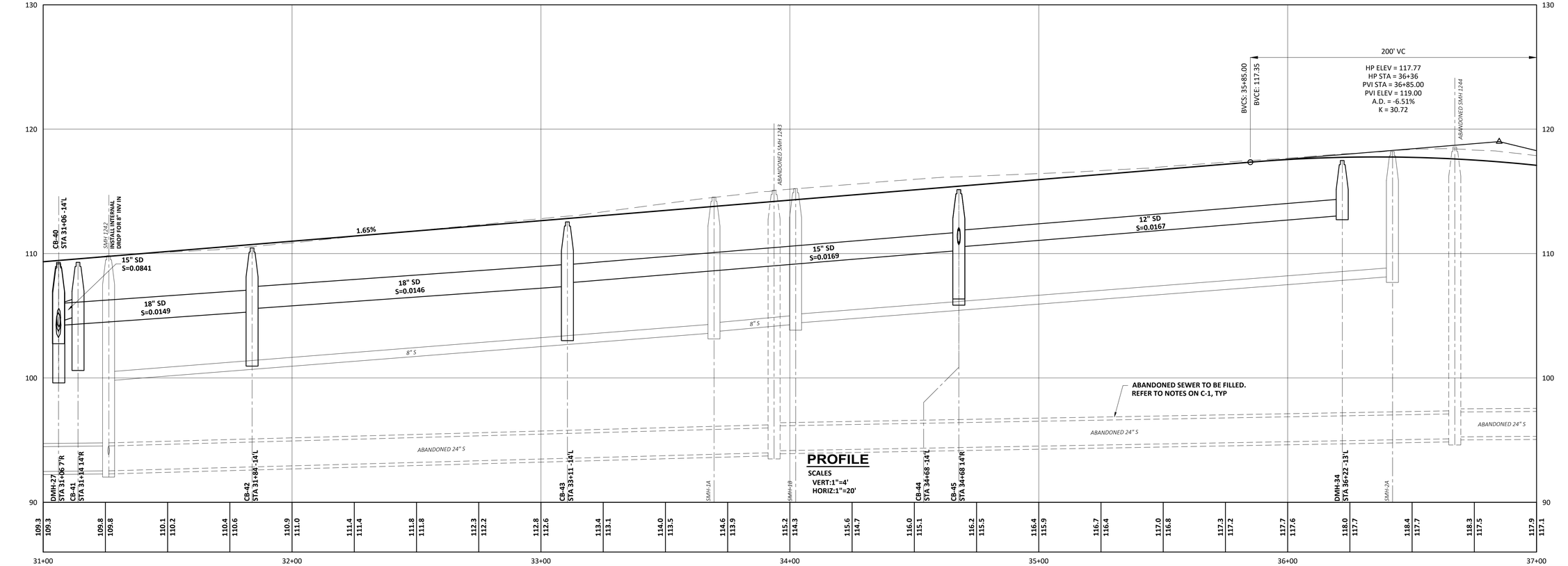
DRAWING
C-14

J:\ENGINH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIVIL\20803-CM-PLANANDPROFILE V.DWG | 20803-CM-PlanandProfile V | 1:2.5849 | — | 3/21/2025 9:05:01 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 9:54 AM



PLAN
SCALE: 1"=20'



PROFILE
SCALES
VERT:1"=4'
HORIZ:1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ECKSTROM NO. 13240 – CERTIFIED PROFESSIONAL ENGINEER – 3/19/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

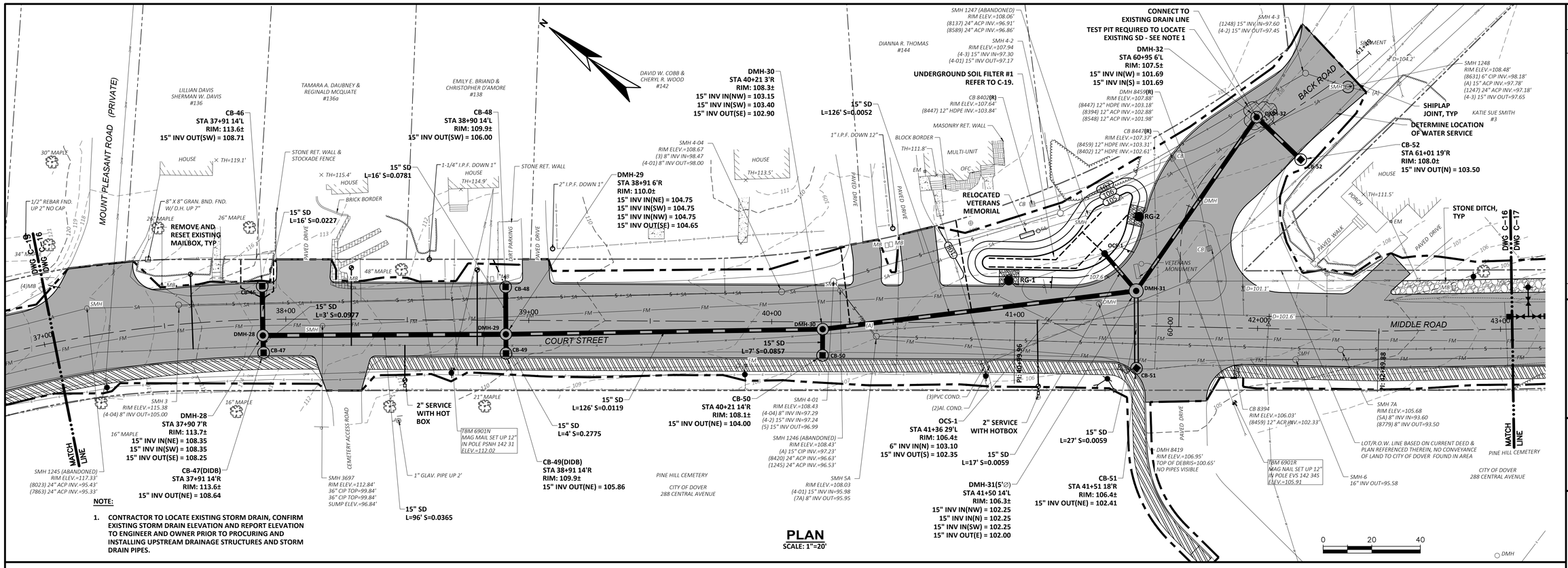
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

PLAN AND PROFILE: COURT ST
STA 31+00 TO STA 37+00

DRAWING
C-15

J:\ENGINH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-PLANANDPROFILE VI.DWG | 20803-CM-PLANANDPROFILE VI | 1:2.5840 | --- | 3/21/2025 9:06:45 AM | JAMES.MICHAUD

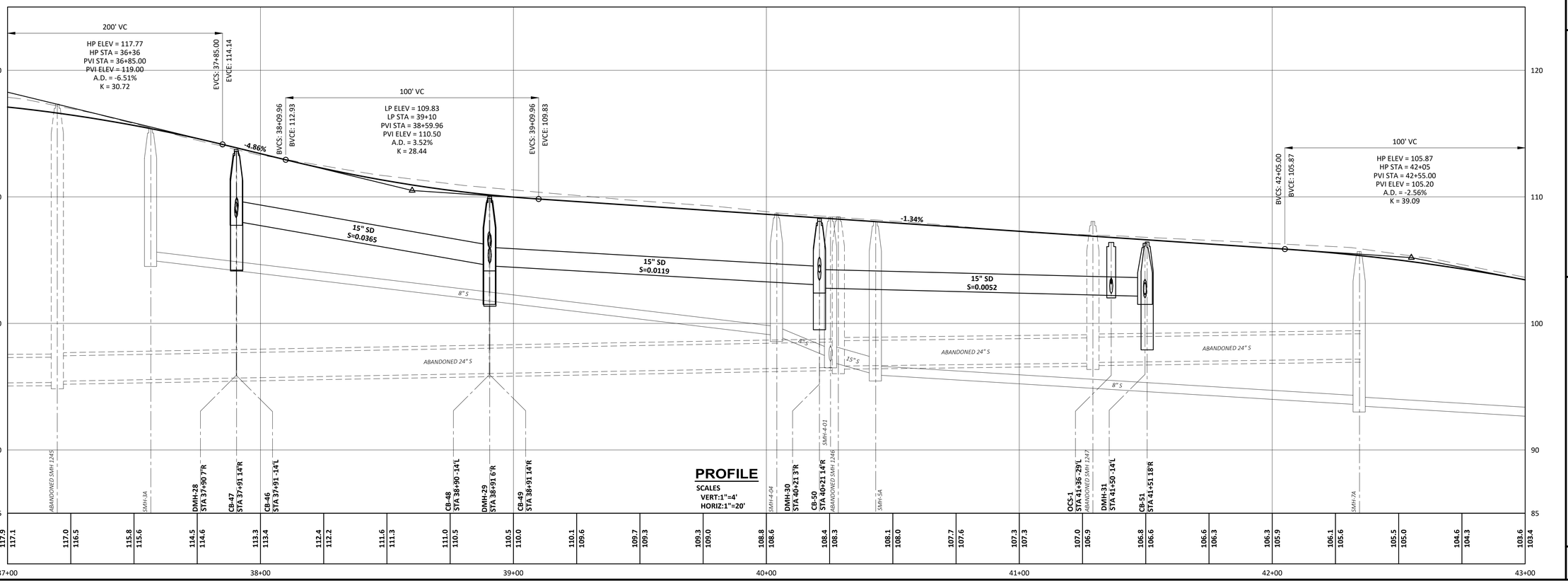
LAST SAVED BY: JAMES.MICHAUD 3/19/2025 10:49 AM



NOTE:

1. **CONTRACTOR TO LOCATE EXISTING STORM DRAIN, CONFIRM EXISTING STORM DRAIN ELEVATION AND REPORT ELEVATION TO ENGINEER AND OWNER PRIOR TO PROCURING AND INSTALLING UPSTREAM DRAINAGE STRUCTURES AND STORM DRAIN PIPES.**

PLAN
SCALE: 1"=20'



PROFILE
SCALES
VERT:1"=4'
HORIZ:1"=20'

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIVIL\20803-CM-PLANANDPROFILE VII.DWG | 20803-CM-PlanandProfile VII | 12.5849 | --- | 3/21/2025 9:08:19 AM | JAMES.MICHAUD

NO	REVISIONS	DATE	APP'D
1			
2			
3			
4			
5			
6			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

BRITT ERIK STROM NO. 13225 REGISTERED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE

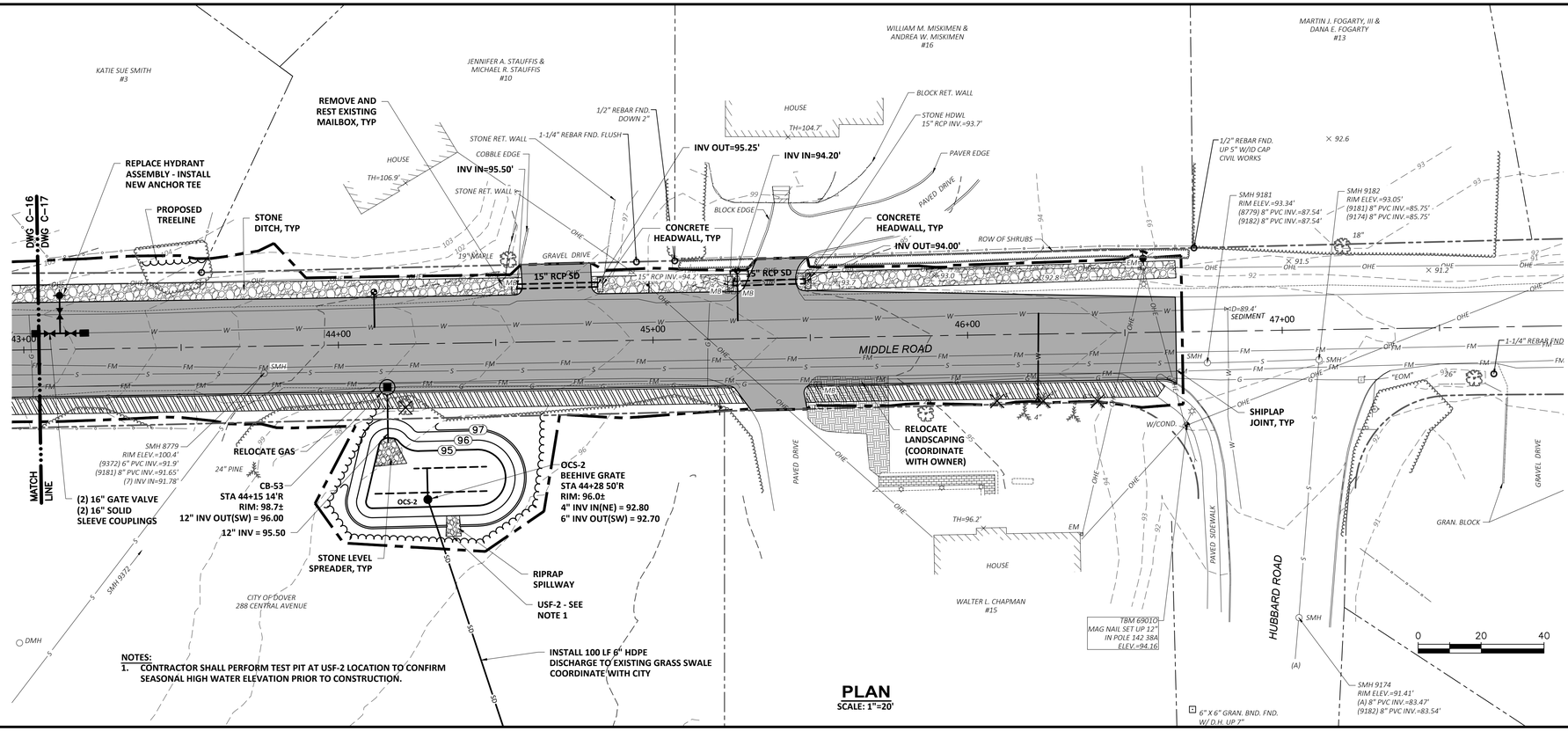
WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

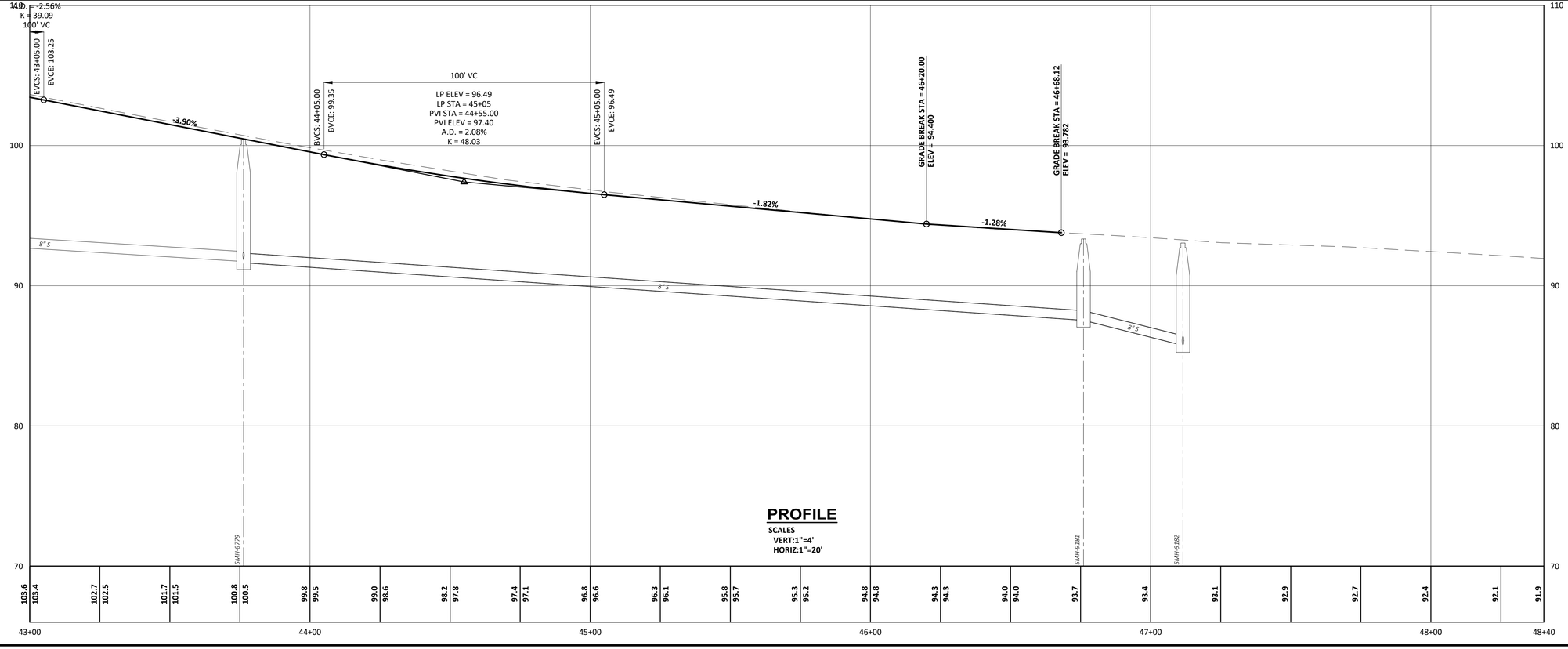
PLAN AND PROFILE: COURT ST
STA 37+00 TO STA 43+00

DRAWING
C-16

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 10:55 AM



PLAN
SCALE: 1"=20'



PROFILE
SCALES
VERT:1"=4'
HORIZ:1"=20'

NO	DATE	APP'D	REVISIONS
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ECKSTROM NO. 15242 – PROFESSIONAL ENGINEER – 3/19/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

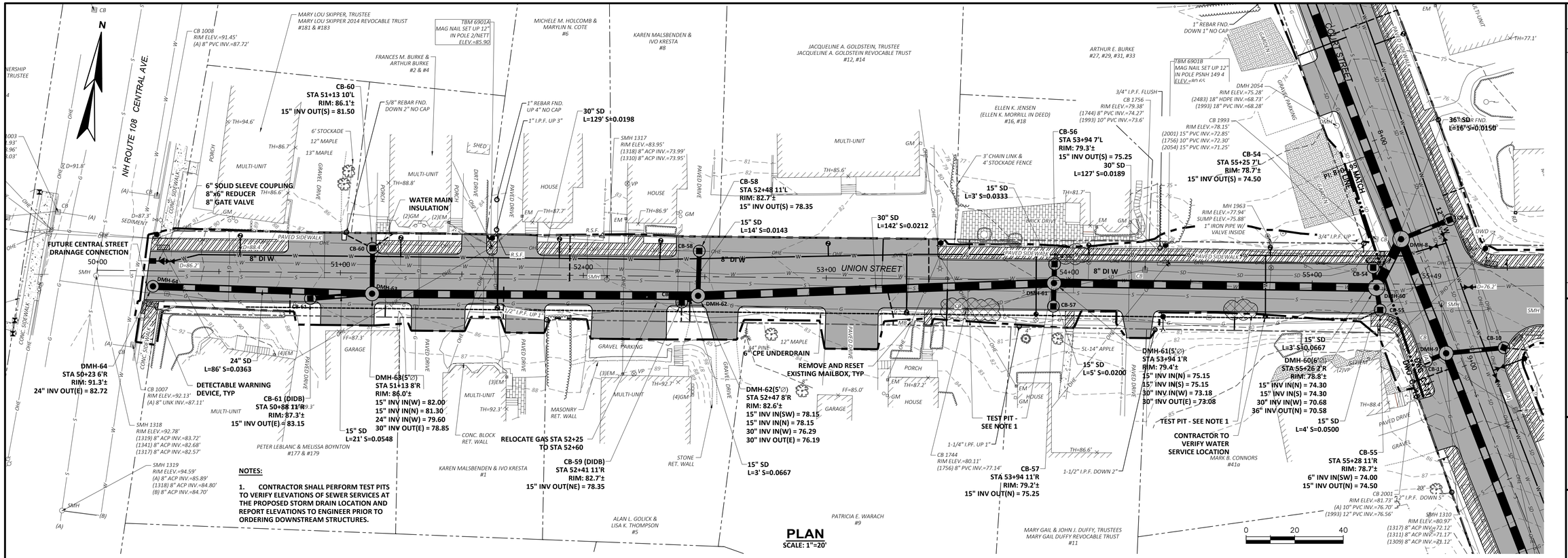
DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT

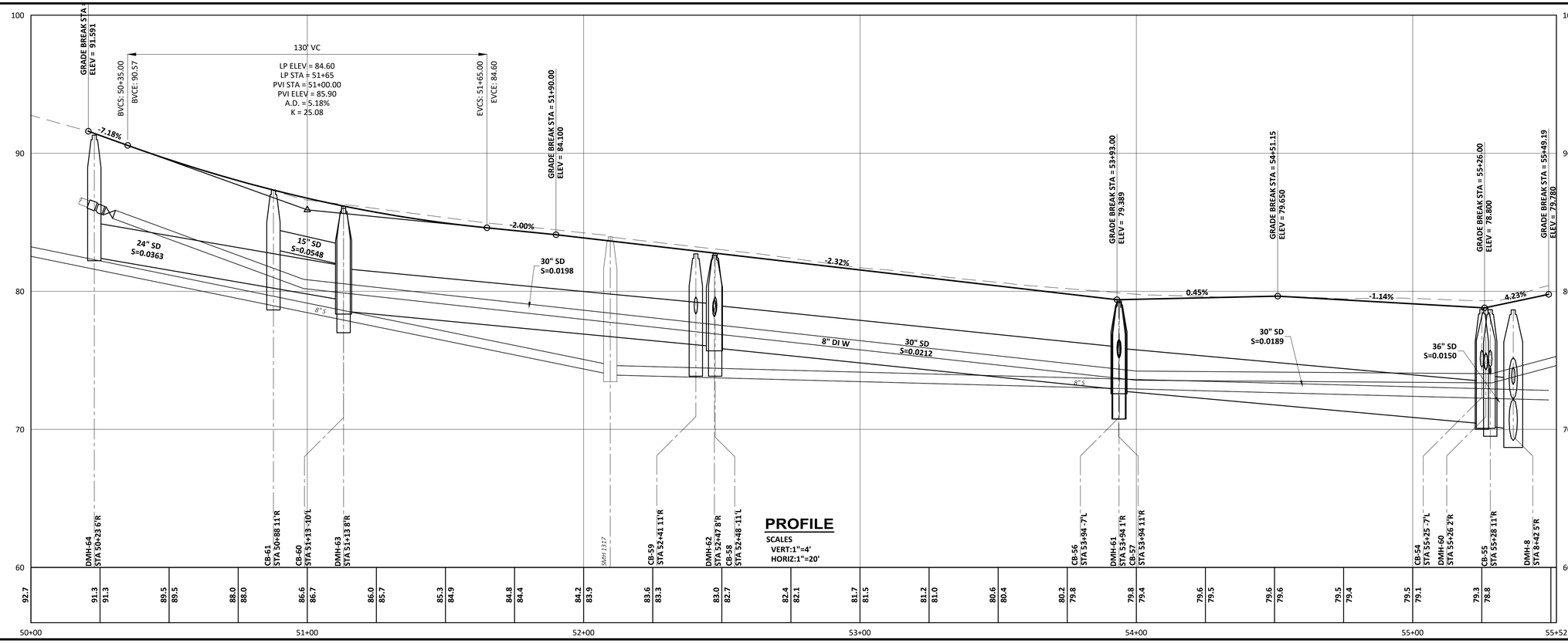
PLAN AND PROFILE: COURT ST STA 43+00 TO STA 48+40

DRAWING
C-17

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-PLANANDPROFILE VIII.DWG | 20803-CM-PlanandProfile VIII | 12.5849 | --- | 3/21/2025 9:09:58 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 11:22 AM





NOTES:

1. CONTRACTOR SHALL PERFORM TEST PITS TO VERIFY ELEVATIONS OF SEWER SERVICES AT THE PROPOSED STORM DRAIN LOCATION AND REPORT ELEVATIONS TO ENGINEER PRIOR TO ORDERING DOWNSTREAM STRUCTURES.

NO	REVISIONS	DATE	APP'D
1			
2			
3			
4			
5			
6			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ERIK STROM – NO. 15429 – LICENSED PROFESSIONAL ENGINEER

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

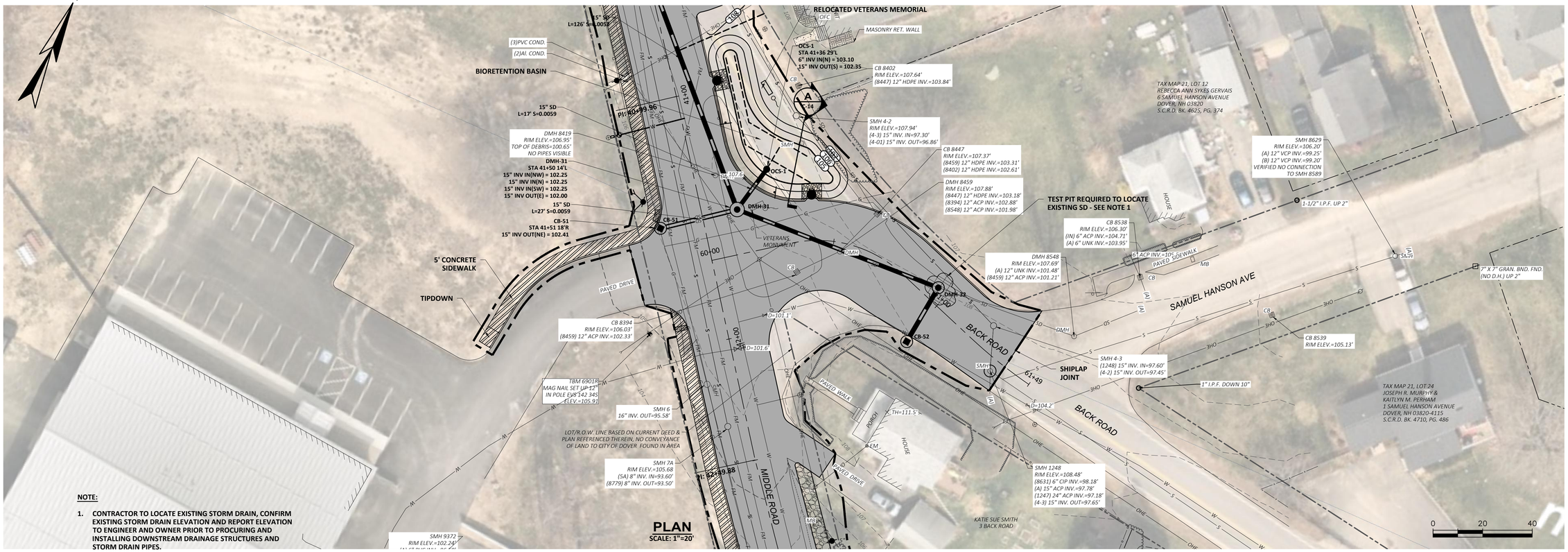
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

PLAN AND PROFILE: UNION ST
STA 50+00 TO STA 55+52

DRAWING
C-18

J:\ENG\WH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CIVIL-PLAN AND PROFILE IX.DWG | 20803-CIVIL-Plan and Profile IX | 1:2.5840 | — | 3/21/2025 9:11:25 AM | JAMES.MICHAUD

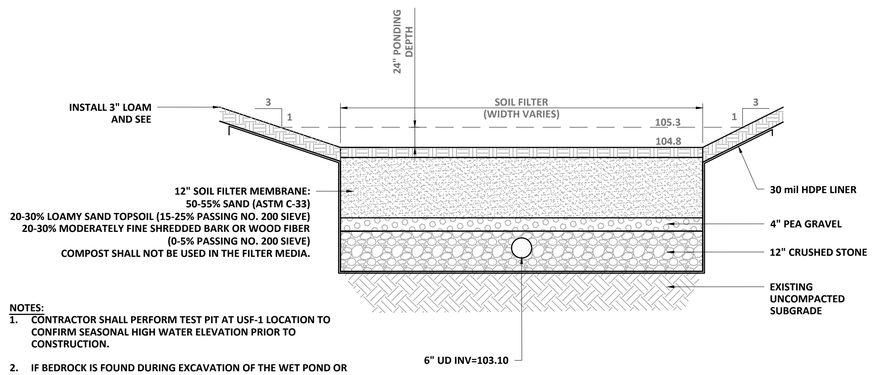
LAST SAVED BY: JAMES.MICHAUD 3/19/2025 12:42 PM



NOTE:

1. **CONTRACTOR TO LOCATE EXISTING STORM DRAIN, CONFIRM EXISTING STORM DRAIN ELEVATION AND REPORT ELEVATION TO ENGINEER AND OWNER PRIOR TO PROCURING AND INSTALLING DOWNSTREAM DRAINAGE STRUCTURES AND STORM DRAIN PIPES.**

PLAN
SCALE: 1"=20'

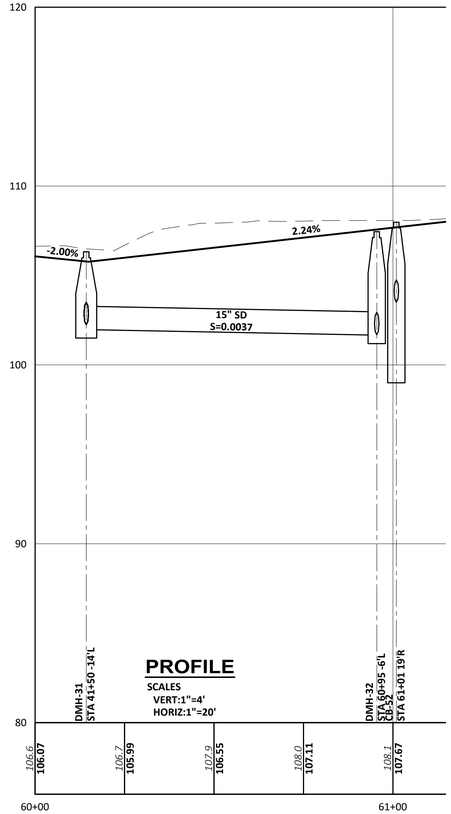


NOTES:

1. **CONTRACTOR SHALL PERFORM TEST PIT AT USF-1 LOCATION TO CONFIRM SEASONAL HIGH WATER ELEVATION PRIOR TO CONSTRUCTION.**
2. **IF BEDROCK IS FOUND DURING EXCAVATION OF THE WET POND OR SOIL FILTER BASINS, OR IF BEDROCK REMOVAL IS NECESSARY FOR CONSTRUCTION OF THESE BASINS, A MINIMUM 4" LAYER OF SAND OR CLAY MUST BE PLACED BETWEEN THE BEDROCK SURFACE AND IMPERMEABLE LINER TO PROTECT THE LINER FROM PUNCTURES.**

UNDERDRAIN SOIL FILTER (USF) #1
A / C-14

SCALE: NTS



PROFILE
SCALES
VERT:1"=4'
HORIZ:1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

BRITT ERIK STROM
No. 13242
STATE OF NEW HAMPSHIRE
PROFESSIONAL ENGINEER
3/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

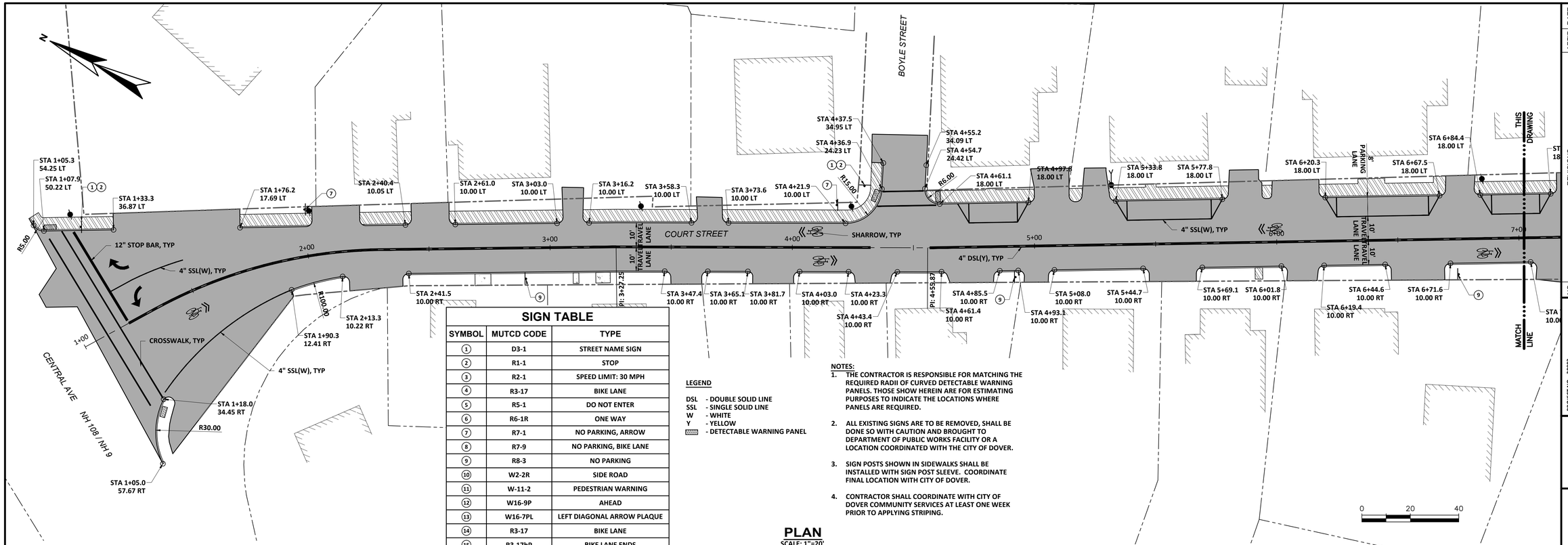
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

PLAN AND PROFILE: BACK RD
STA 60+00 TO STA 61+00

DRAWING
C-19

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-PLANANDPROFILE X.DWG | 20803-CM-PlanandProfile X | 11.2.5849 | — | 3/21/2025 9:13:00 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 12:57 PM



SIGN TABLE

SYMBOL	MUTCD CODE	TYPE
1	D3-1	STREET NAME SIGN
2	R1-1	STOP
3	R2-1	SPEED LIMIT: 30 MPH
4	R3-17	BIKE LANE
5	R5-1	DO NOT ENTER
6	R6-1R	ONE WAY
7	R7-1	NO PARKING, ARROW
8	R7-9	NO PARKING, BIKE LANE
9	R8-3	NO PARKING
10	W2-2R	SIDE ROAD
11	W-11-2	PEDESTRIAN WARNING
12	W16-9P	AHEAD
13	W16-7PL	LEFT DIAGONAL ARROW PLAQUE
14	R3-17	BIKE LANE
15	R3-17bP	BIKE LANE ENDS

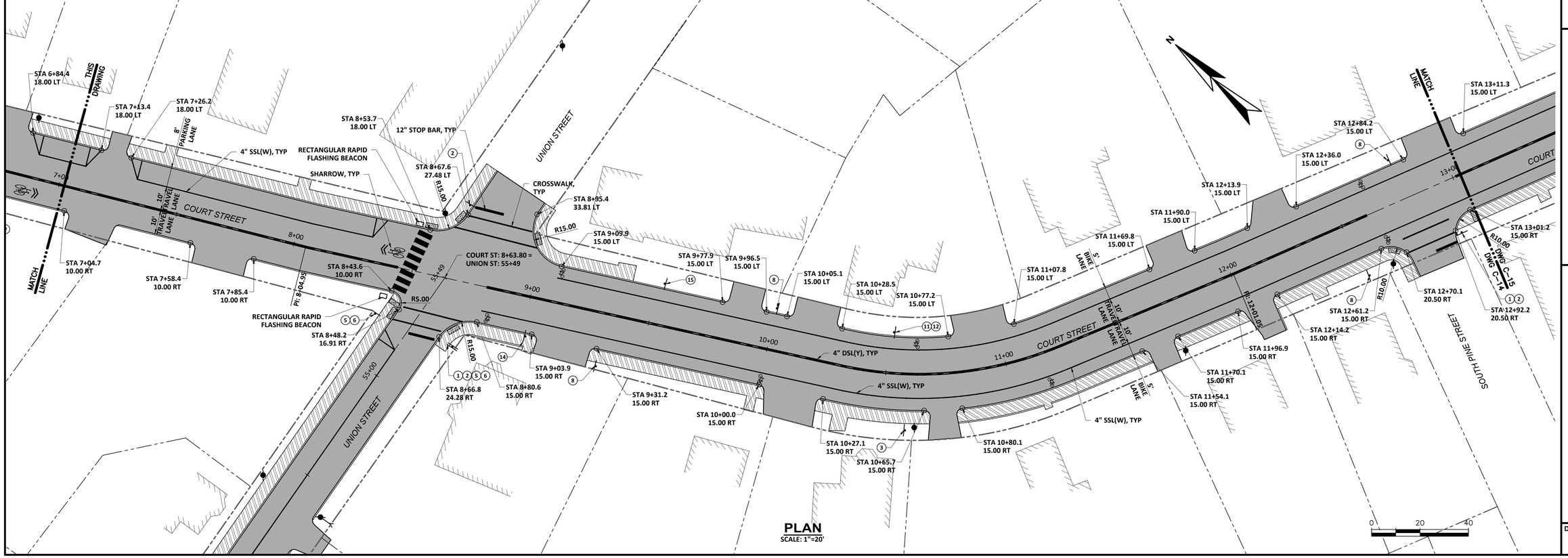
LEGEND

DSL - DOUBLE SOLID LINE
SSL - SINGLE SOLID LINE
W - WHITE
Y - YELLOW
▨ - DETECTABLE WARNING PANEL

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING THE REQUIRED RADII OF CURVED DETECTABLE WARNING PANELS. THOSE SHOW HEREIN ARE FOR ESTIMATING PURPOSES TO INDICATE THE LOCATIONS WHERE PANELS ARE REQUIRED.
2. ALL EXISTING SIGNS ARE TO BE REMOVED, SHALL BE DONE SO WITH CAUTION AND BROUGHT TO DEPARTMENT OF PUBLIC WORKS FACILITY OR A LOCATION COORDINATED WITH THE CITY OF DOVER.
3. SIGN POSTS SHOWN IN SIDEWALKS SHALL BE INSTALLED WITH SIGN POST SLEEVE. COORDINATE FINAL LOCATION WITH CITY OF DOVER.
4. CONTRACTOR SHALL COORDINATE WITH CITY OF DOVER COMMUNITY SERVICES AT LEAST ONE WEEK PRIOR TO APPLYING STRIPING.

PLAN
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ERIC STROM – No. 15824 – PROFESSIONAL ENGINEER – 3/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

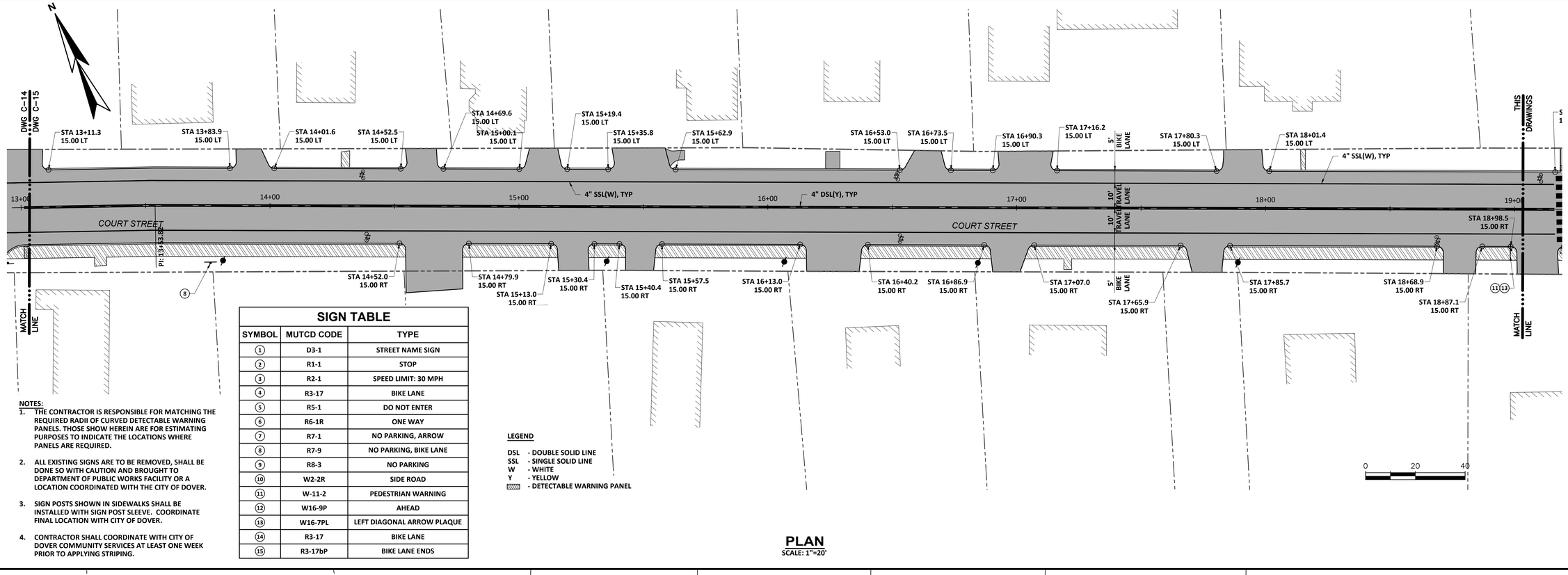
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

LAYOUT PLAN: COURT ST
STA 1+00 TO STA 13+00

DRAWING
C-20

J:\ENGNH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-LAYOUT 1.DWG | 20803-CM-Layout 1 | 12.5849 | --- | 3/21/2025 9:14:52 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 1:00 PM



NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING THE REQUIRED RADII OF CURVED DETECTABLE WARNING PANELS. THOSE SHOW HEREIN ARE FOR ESTIMATING PURPOSES TO INDICATE THE LOCATIONS WHERE PANELS ARE REQUIRED.
2. ALL EXISTING SIGNS ARE TO BE REMOVED, SHALL BE DONE SO WITH CAUTION AND BROUGHT TO DEPARTMENT OF PUBLIC WORKS FACILITY OR A LOCATION COORDINATED WITH THE CITY OF DOVER.
3. SIGN POSTS SHOWN IN SIDEWALKS SHALL BE INSTALLED WITH SIGN POST SLEEVE. COORDINATE FINAL LOCATION WITH CITY OF DOVER.
4. CONTRACTOR SHALL COORDINATE WITH CITY OF DOVER COMMUNITY SERVICES AT LEAST ONE WEEK PRIOR TO APPLYING STRIPING.

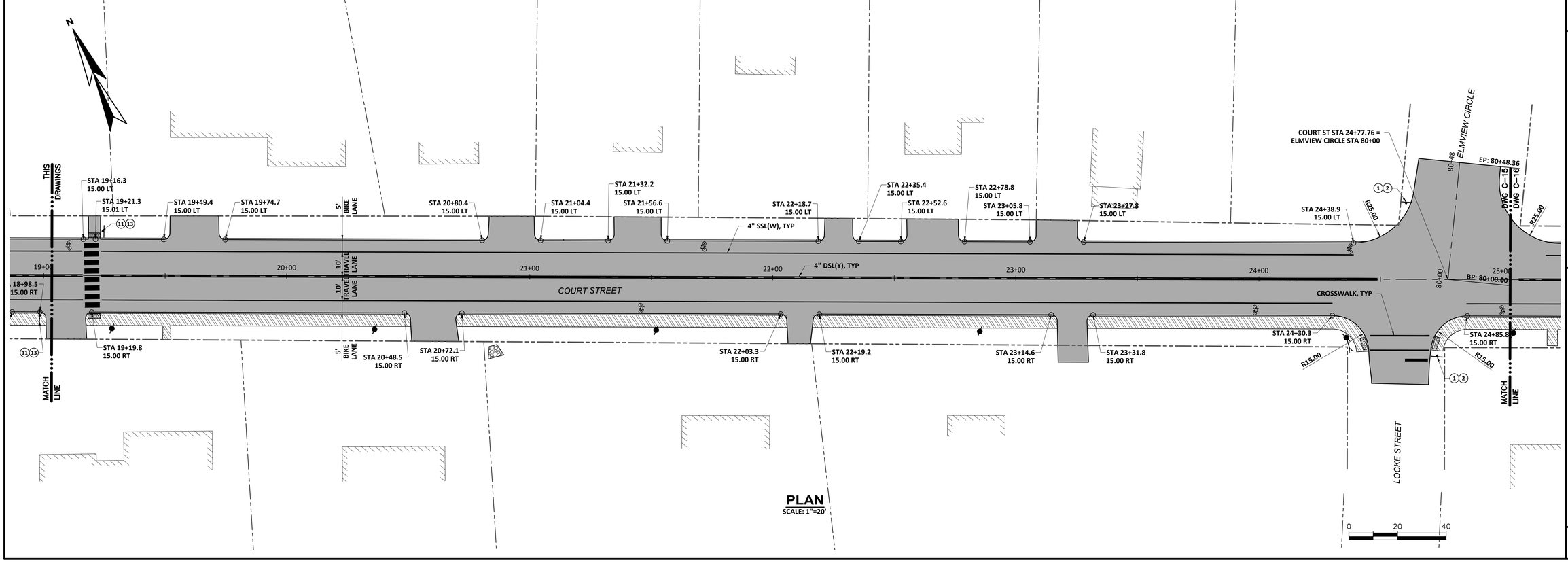
SIGN TABLE

SYMBOL	MUTCD CODE	TYPE
1	D3-1	STREET NAME SIGN
2	R1-1	STOP
3	R2-1	SPEED LIMIT: 30 MPH
4	R3-17	BIKE LANE
5	R5-1	DO NOT ENTER
6	R6-1R	ONE WAY
7	R7-1	NO PARKING, ARROW
8	R7-9	NO PARKING, BIKE LANE
9	R8-3	NO PARKING
10	W2-2R	SIDE ROAD
11	W-11-2	PEDESTRIAN WARNING
12	W16-9P	AHEAD
13	W16-7PL	LEFT DIAGONAL ARROW PLAQUE
14	R3-17	BIKE LANE
15	R3-17bP	BIKE LANE ENDS

LEGEND

DSL - DOUBLE SOLID LINE
SSL - SINGLE SOLID LINE
W - WHITE
Y - YELLOW
▨ - DETECTABLE WARNING PANEL

PLAN
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ECKSTROM – NO. 13282 – PROFESSIONAL ENGINEER – 3/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

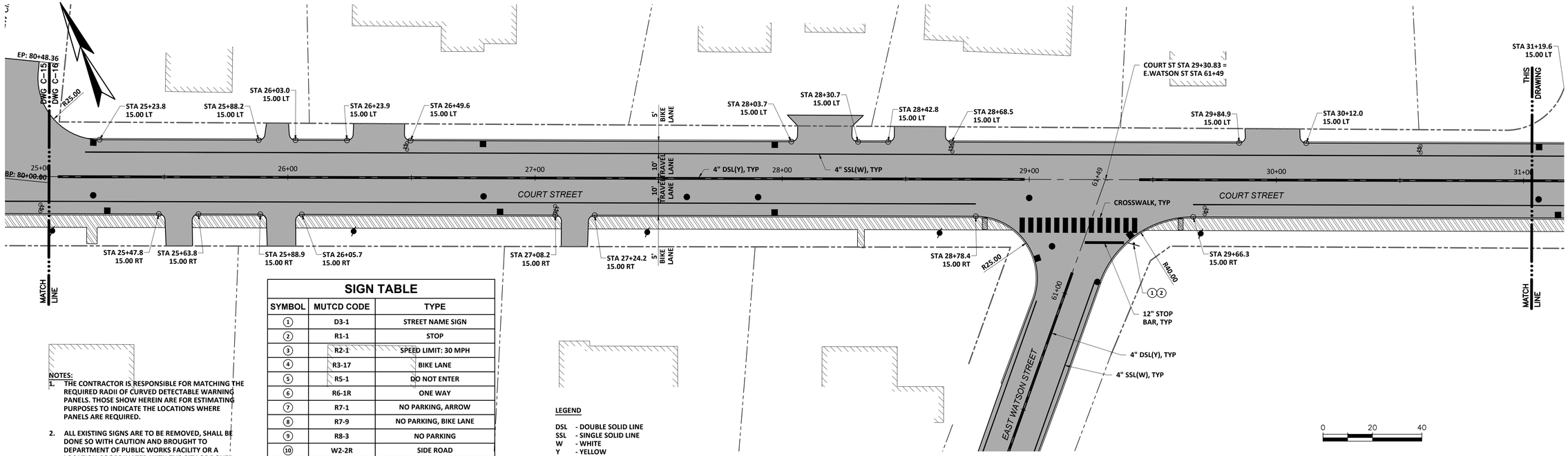
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST RECONSTRUCTION PROJECT

LAYOUT PLAN: COURT ST
STA 13+00 TO STA 25+00

DRAWING
C-21

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIVIL\20803-CM-LAYOUT II.DWG | 12.5849 | — | 3/21/2025 9:16:53 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 1:06 PM



NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING THE REQUIRED RADII OF CURVED DETECTABLE WARNING PANELS. THOSE SHOW HEREIN ARE FOR ESTIMATING PURPOSES TO INDICATE THE LOCATIONS WHERE PANELS ARE REQUIRED.
2. ALL EXISTING SIGNS ARE TO BE REMOVED, SHALL BE DONE SO WITH CAUTION AND BROUGHT TO DEPARTMENT OF PUBLIC WORKS FACILITY OR A LOCATION COORDINATED WITH THE CITY OF DOVER.
3. SIGN POSTS SHOWN IN SIDEWALKS SHALL BE INSTALLED WITH SIGN POST SLEEVE. COORDINATE FINAL LOCATION WITH CITY OF DOVER.
4. CONTRACTOR SHALL COORDINATE WITH CITY OF DOVER COMMUNITY SERVICES AT LEAST ONE WEEK PRIOR TO APPLYING STRIPING.

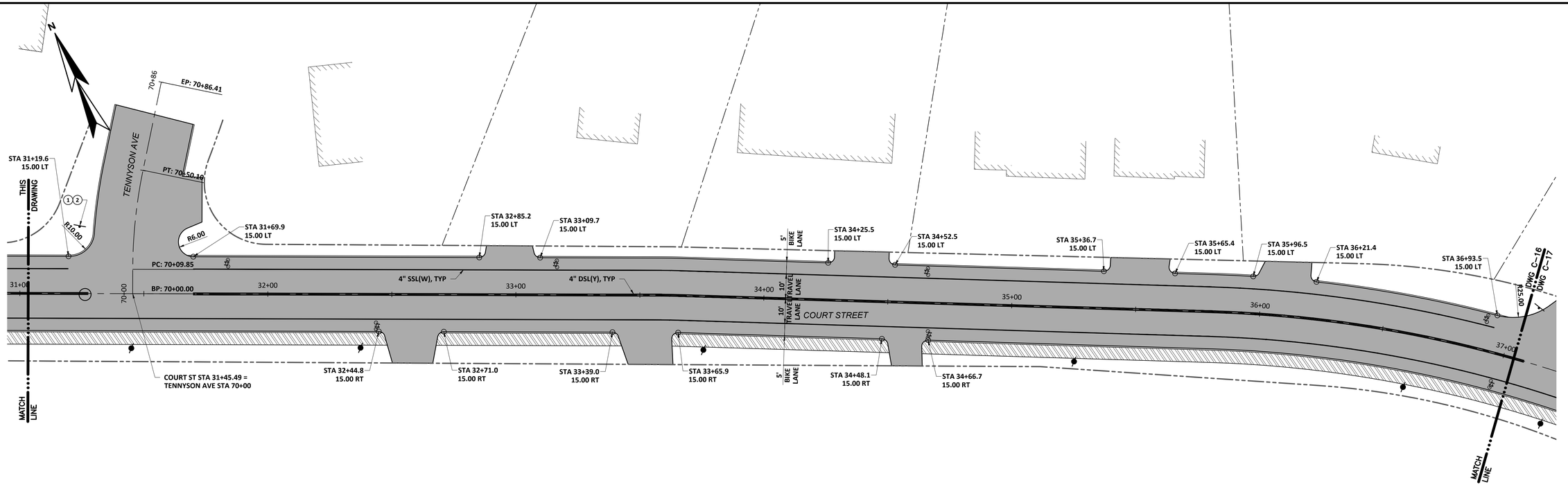
SIGN TABLE

SYMBOL	MUTCD CODE	TYPE
1	D3-1	STREET NAME SIGN
2	R1-1	STOP
3	R2-1	SPEED LIMIT: 30 MPH
4	R3-17	BIKE LANE
5	R5-1	DO NOT ENTER
6	R6-1R	ONE WAY
7	R7-1	NO PARKING, ARROW
8	R7-9	NO PARKING, BIKE LANE
9	R8-3	NO PARKING
10	W2-2R	SIDE ROAD
11	W-11-2	PEDESTRIAN WARNING
12	W16-9P	AHEAD
13	W16-7PL	LEFT DIAGONAL ARROW PLAQUE
14	R3-17	BIKE LANE
15	R3-17bP	BIKE LANE ENDS

LEGEND

DSL - DOUBLE SOLID LINE
SSL - SINGLE SOLID LINE
W - WHITE
Y - YELLOW
▨ - DETECTABLE WARNING PANEL

PLAN
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			
6			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED: J.MICHAUD
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ECKSTROM – NO. 15243 – PROFESSIONAL ENGINEER – 3/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

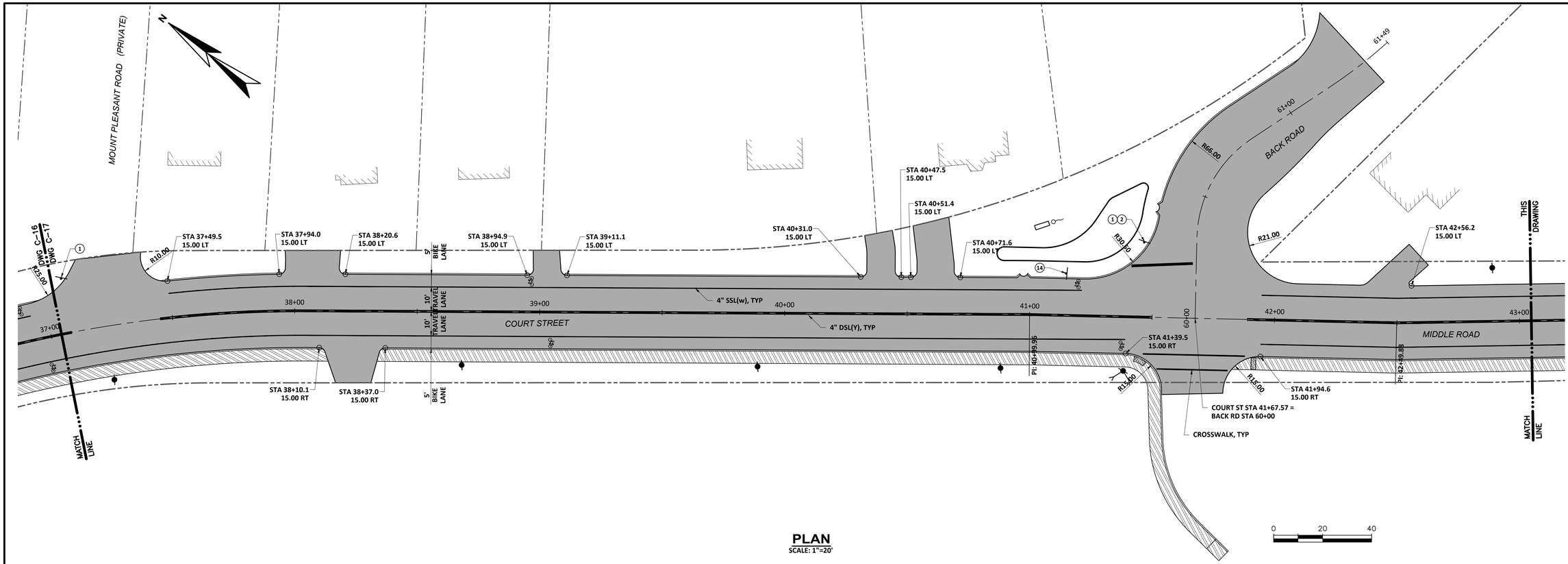
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

LAYOUT PLAN: COURT ST
STA 25+00 TO STA 37+00

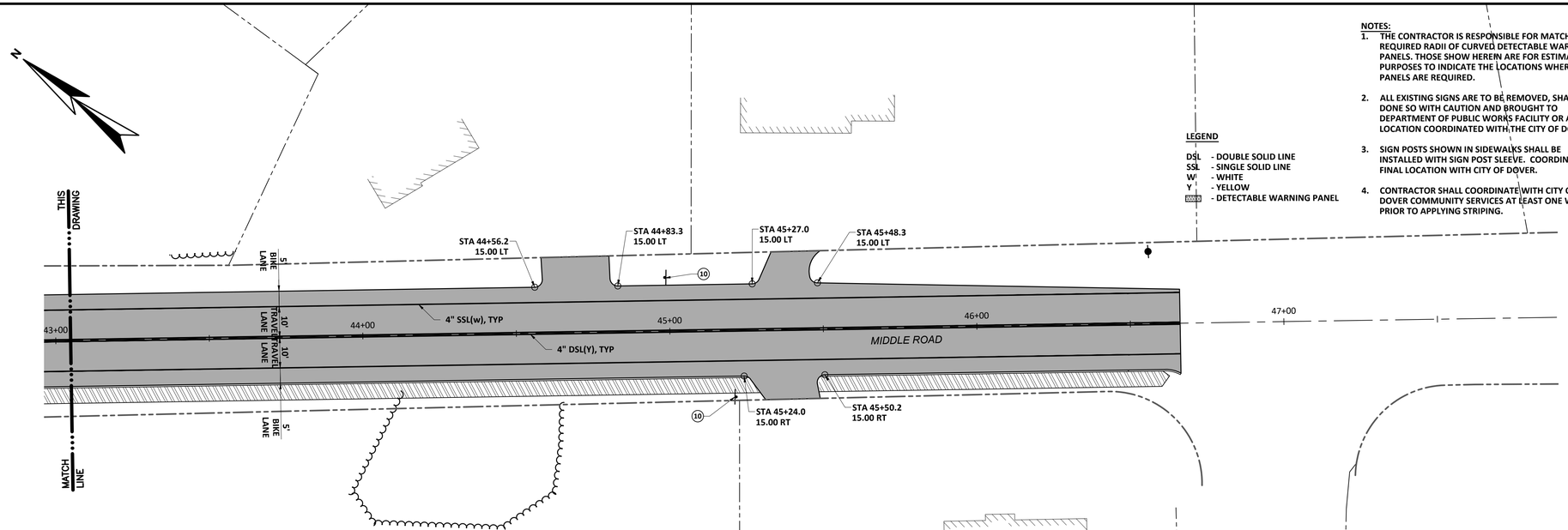
DRAWING
C-22

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-LAYOUT III.DWG | 20803-CM-Layout III | 12.5849 | --- | 3/21/2025 9:18:31 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 1:11 PM



PLAN
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING THE REQUIRED RADII OF CURVED DETECTABLE WARNING PANELS. THOSE SHOW HEREIN ARE FOR ESTIMATING PURPOSES TO INDICATE THE LOCATIONS WHERE PANELS ARE REQUIRED.
2. ALL EXISTING SIGNS ARE TO BE REMOVED, SHALL BE DONE SO WITH CAUTION AND BROUGHT TO DEPARTMENT OF PUBLIC WORKS FACILITY OR A LOCATION COORDINATED WITH THE CITY OF DOVER.
3. SIGN POSTS SHOWN IN SIDEWALKS SHALL BE INSTALLED WITH SIGN POST SLEEVE. COORDINATE FINAL LOCATION WITH CITY OF DOVER.
4. CONTRACTOR SHALL COORDINATE WITH CITY OF DOVER COMMUNITY SERVICES AT LEAST ONE WEEK PRIOR TO APPLYING STRIPING.

LEGEND

DSL - DOUBLE SOLID LINE
SSL - SINGLE SOLID LINE
W - WHITE
Y - YELLOW
- DETECTABLE WARNING PANEL

SIGN TABLE

SYMBOL	MUTCD CODE	TYPE
1	D3-1	STREET NAME SIGN
2	R1-1	STOP
3	R2-1	SPEED LIMIT: 30 MPH
4	R3-17	BIKE LANE
5	R5-1	DO NOT ENTER
6	R6-1R	ONE WAY
7	R7-1	NO PARKING, ARROW
8	R7-9	NO PARKING, BIKE LANE
9	R8-3	NO PARKING
10	W2-2R	SIDE ROAD
11	W-11-2	PEDESTRIAN WARNING
12	W16-9P	AHEAD
13	W16-7PL	LEFT DIAGONAL ARROW PLAQUE
14	R3-17	BIKE LANE
15	R3-17bP	BIKE LANE ENDS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ECKSTROM NO. 15961 – PROFESSIONAL ENGINEER – 3/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

LAYOUT PLAN: COURT ST
STA 37+00 TO STA 46+50

DRAWING
C-23

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-LAYOUT IV.DWG | 20803-CM-Layout IV | 1:2.5849 | --- | 3/21/2025 9:20:03 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/19/2025 1:13 PM

NOTES:

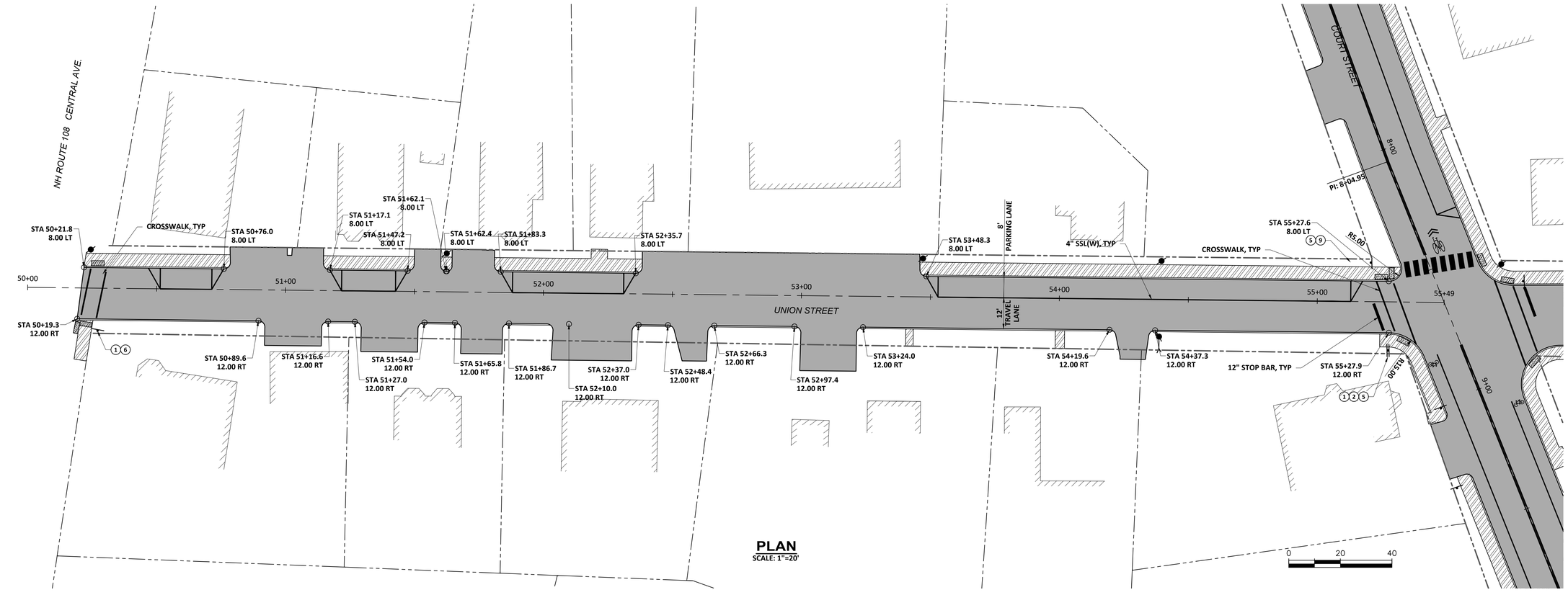
1. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING THE REQUIRED RADII OF CURVED DETECTABLE WARNING PANELS. THOSE SHOW HEREIN ARE FOR ESTIMATING PURPOSES TO INDICATE THE LOCATIONS WHERE PANELS ARE REQUIRED.
2. ALL EXISTING SIGNS ARE TO BE REMOVED, SHALL BE DONE SO WITH CAUTION AND BROUGHT TO DEPARTMENT OF PUBLIC WORKS FACILITY OR A LOCATION COORDINATED WITH THE CITY OF DOVER.
3. SIGN POSTS SHOWN IN SIDEWALKS SHALL BE INSTALLED WITH SIGN POST SLEEVE. COORDINATE FINAL LOCATION WITH CITY OF DOVER.
4. CONTRACTOR SHALL COORDINATE WITH CITY OF DOVER COMMUNITY SERVICES AT LEAST ONE WEEK PRIOR TO APPLYING STRIPING.

SIGN TABLE

SYMBOL	MUTCD CODE	TYPE
1	D3-1	STREET NAME SIGN
2	R1-1	STOP
3	R2-1	SPEED LIMIT: 30 MPH
4	R3-17	BIKE LANE
5	R5-1	DO NOT ENTER
6	R6-1R	ONE WAY
7	R7-1	NO PARKING, ARROW
8	R7-9	NO PARKING, BIKE LANE
9	R8-3	NO PARKING
10	W2-2R	SIDE ROAD
11	W-11-2	PEDESTRIAN WARNING
12	W16-9P	AHEAD
13	W16-7PL	LEFT DIAGONAL ARROW PLAQUE
14	R3-17	BIKE LANE
15	R3-17bP	BIKE LANE ENDS

LEGEND

DSL - DOUBLE SOLID LINE
SSL - SINGLE SOLID LINE
W - WHITE
Y - YELLOW
▨ - DETECTABLE WARNING PANEL



PLAN
SCALE: 1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED: J.MICHAUD
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

BRITT ECKSTROM NO. 13293 PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

LAYOUT PLAN: UNION ST
STA 50+00 TO STA 55+50

DRAWING
C-24

J:\ENGR\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-LAYOUT V.DWG | 20803-CM-Layout V | 1:2.5849 | --- | 3/21/2025 9:21:45 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 10/4/2024 10:49 AM

J:\ENG\WH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-INTERSECTION PLAN I.DWG | 20803-CM-Intersection Plan I | I-2.5849 | ---- | 3/21/2025 9:23:45 AM | JAMES.MICHAUD

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED: J.MICHAUD
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ERIK STROM – NO. 15246 – LICENSED PROFESSIONAL ENGINEER – 3/21/2025

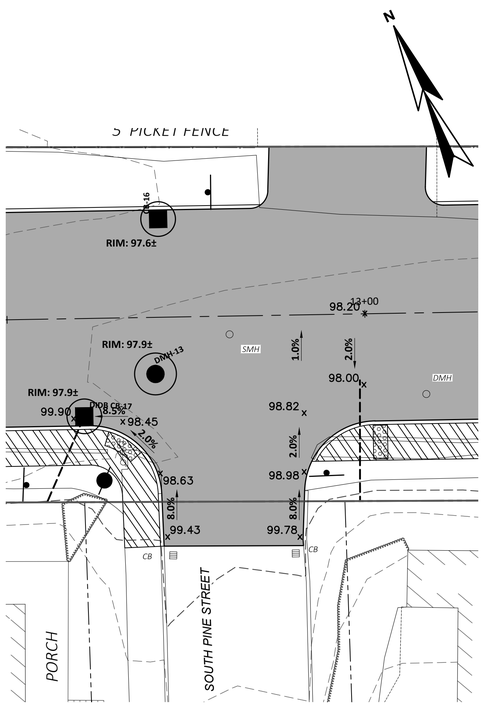
WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

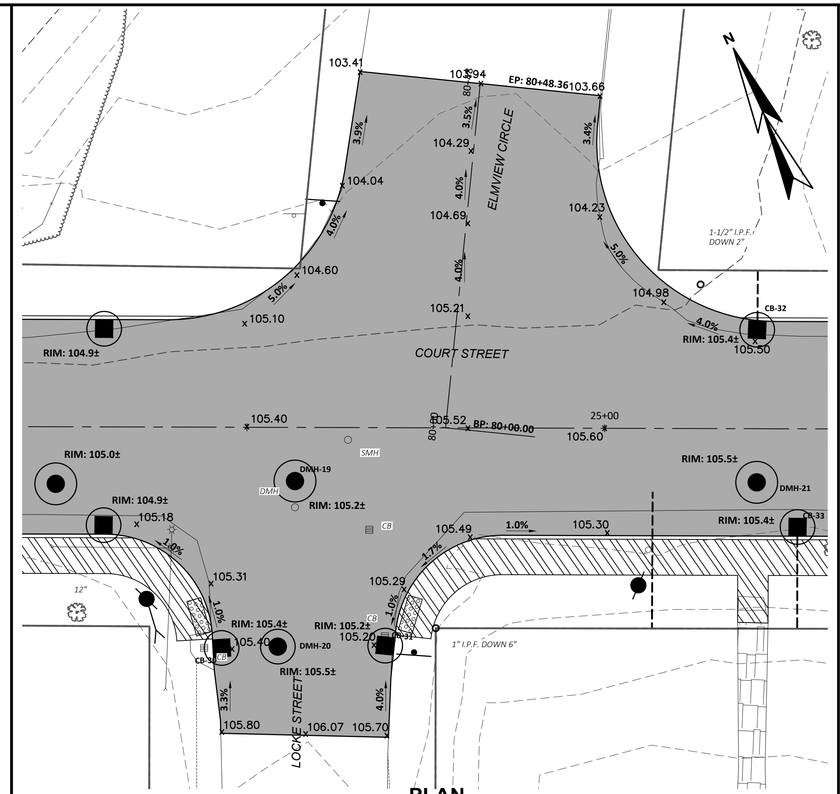
INTERSECTION GRADING PLAN I

DRAWING
C-25

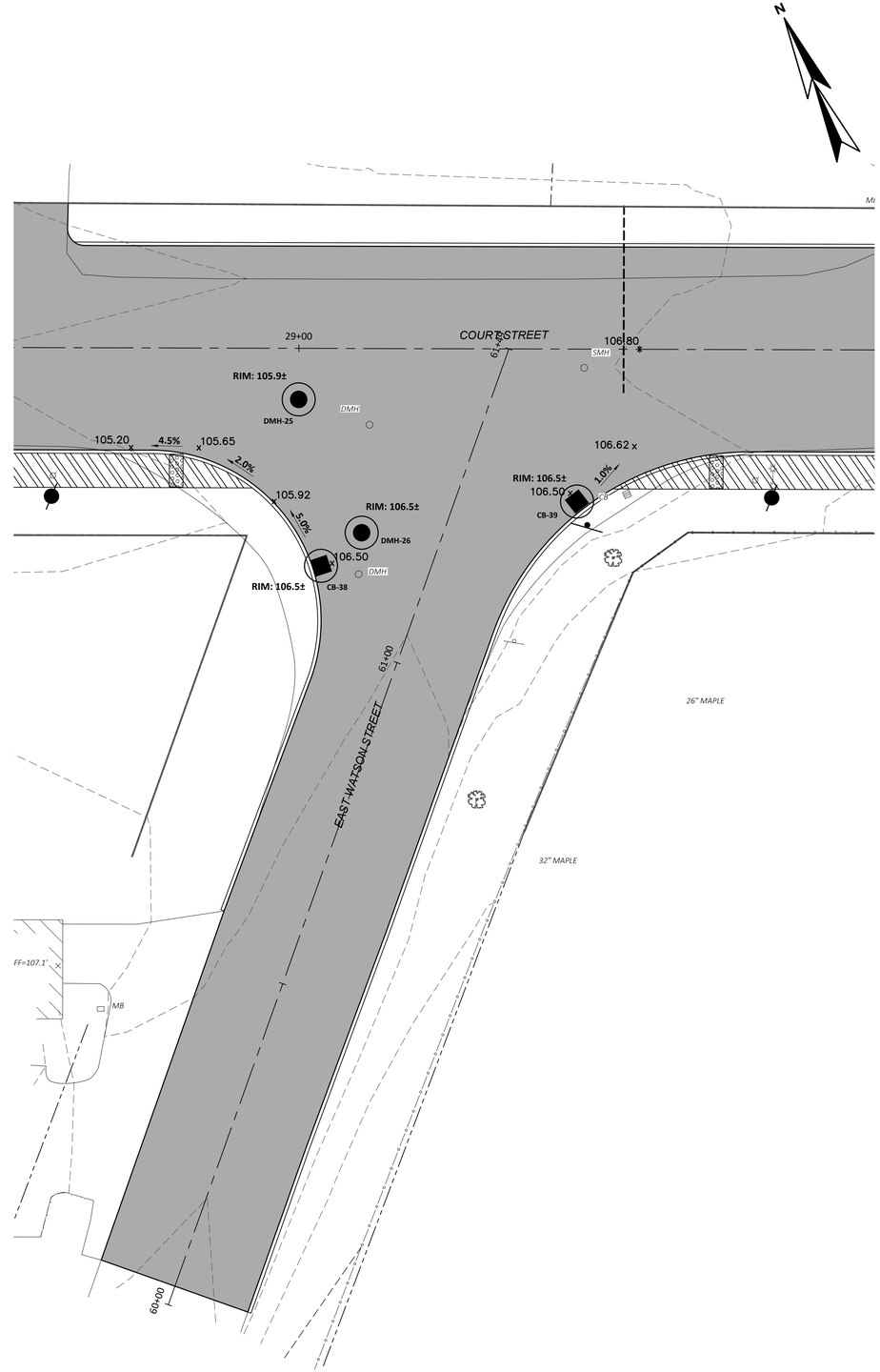
LAST SAVED BY: JAMES.MICHAUD 10/4/2024 8:18 AM



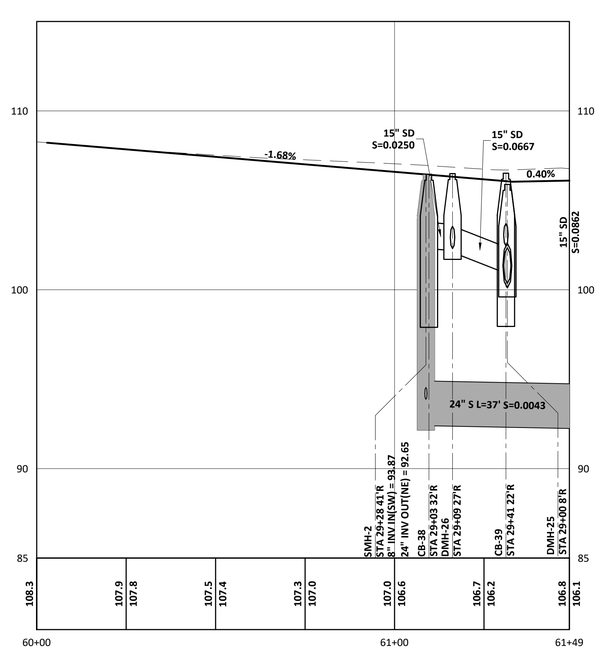
PLAN
SCALE: 1"=10'



PLAN
SCALE: 1"=10'



PLAN
SCALE: 1"=10'



EAST WATSON ST PROFILE

SCALES
VERT:1"=4'
HORIZ:1"=20'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			
6			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ERIK STROM – NO. 15796 – LICENSED PROFESSIONAL ENGINEER – 3-21-2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

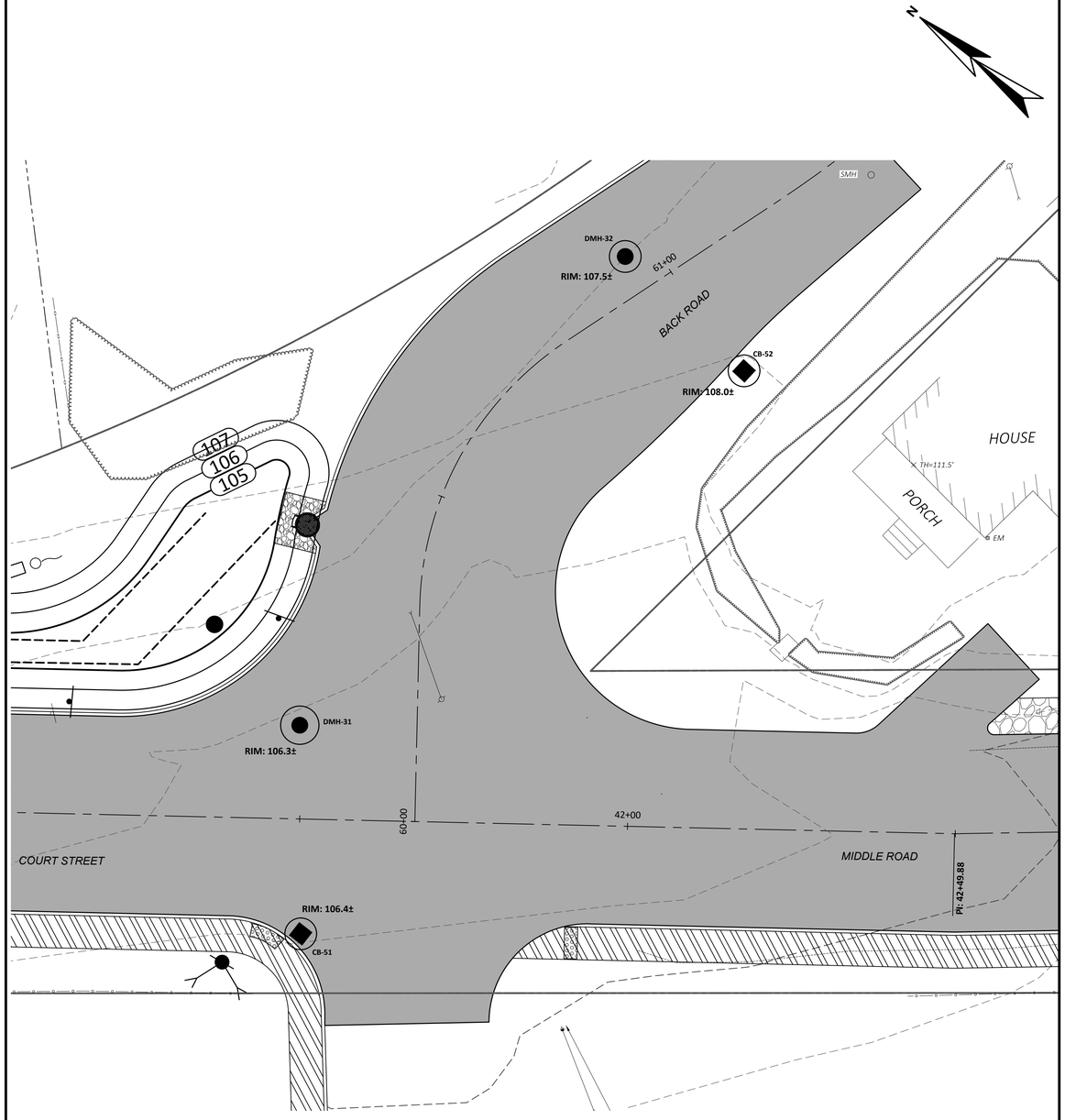
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

INTERSECTION GRADING PLAN II

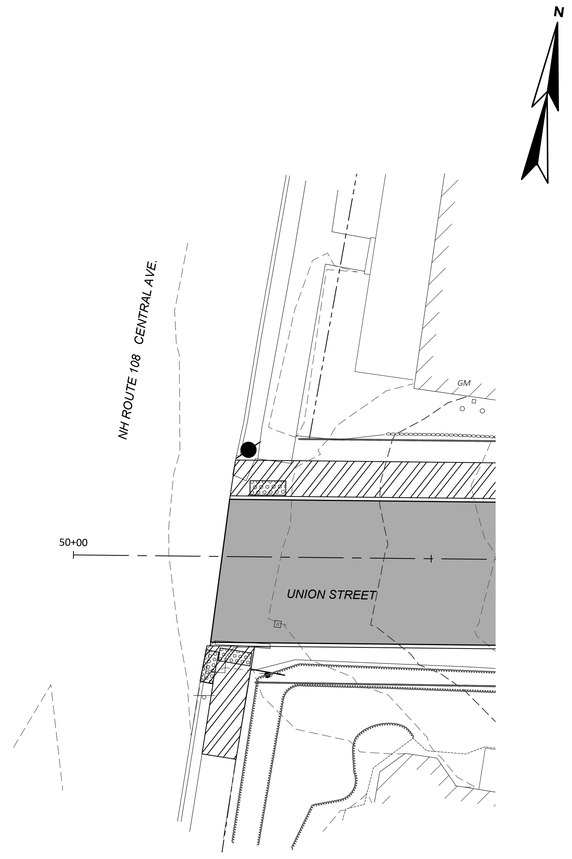
DRAWING
C-26

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREET\RECONSTRUCTION\DRAWINGS\CIV\20803-CIM-INTERSECTION PLAN II.DWG | 20803-CIM-Intersection Plan II | 12.5849 | --- | 3/21/2025 9:25:49 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 10/4/2024 10:49 AM



PLAN
SCALE: 1"=10'



PLAN
SCALE: 1"=10'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE — BRITT ECKSTROM No. 15824 — LICENSED PROFESSIONAL ENGINEER

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

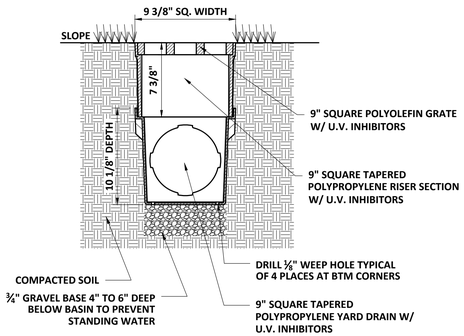
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

INTERSECTION GRADING PLAN III

DRAWING
C-27

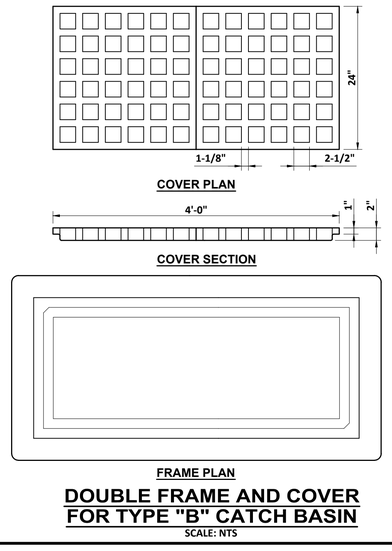
J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-INTERSECTION PLAN III.DWG | 20803-CM-Intersection Plan III | 1:2.5849 | — | 3/21/2025 9:27:43 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/20/2025 7:22 AM

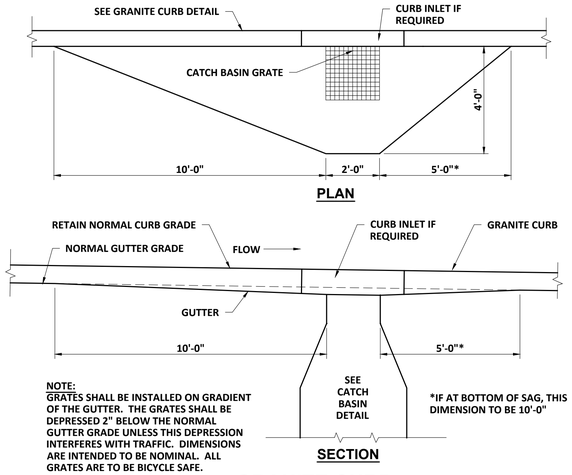


NOTES:
1. GRATE TO BE ATTACHED TO YARD DRAIN WITH SCREW PROVIDED AT TIME OF INSTALLATION.
2. RISER CAN BE CUT TO ACHIEVE EXACT ELEVATION.
3. DO NOT USE MORE THAN 5 RISERS WITH ANY SINGLE YARD DRAIN.

YARD DRAIN WITH RISER
SCALE: NTS



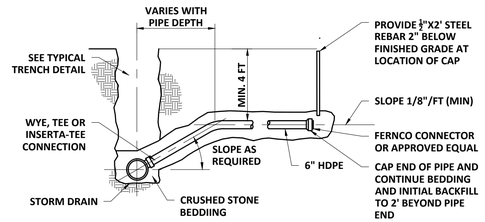
DOUBLE FRAME AND COVER FOR TYPE "B" CATCH BASIN
SCALE: NTS



NOTE:
GRATES SHALL BE INSTALLED ON GRADIENT OF THE GUTTER. THE GRATES SHALL BE DEPRESSED 2" BELOW THE NORMAL GUTTER GRADE UNLESS THIS DEPRESSION INTERFERES WITH TRAFFIC. DIMENSIONS ARE INTENDED TO BE NOMINAL. ALL GRATES ARE TO BE BICYCLE SAFE.

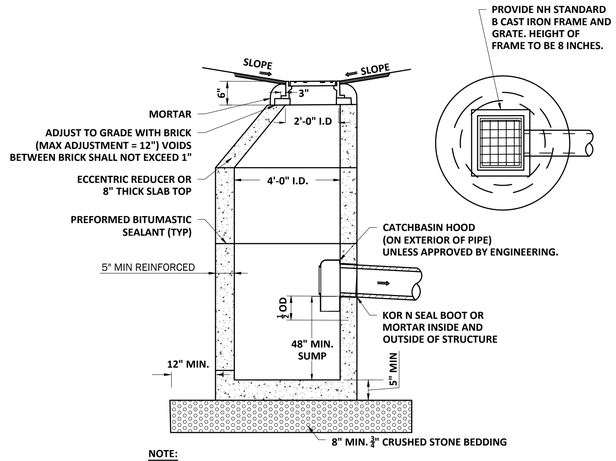
*IF AT BOTTOM OF SAG, THIS DIMENSION TO BE 10'-0"

GRANITE CURB GUTTER GRADE TRANSITION AT CATCH BASIN
SCALE: NTS



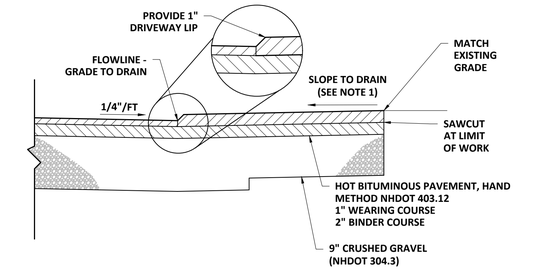
NOTES:
1. ALL SERVICE CONNECTIONS TO BE 6"Ø UNLESS OTHERWISE SHOWN ON THE PLANS.
2. EXTEND SERVICE 4'(MIN) BEYOND LIMIT OF SIDEWALK OR TO ROW LINE.
3. SERVICE TEES SHALL BE ORIENTED AT 10:30 OR 1:30 (TYP). UNDER NO CIRCUMSTANCES SHALL SERVICES BE LOCATED BETWEEN 3:00 AND 9:00.
4. TRENCHING AND BEDDING REQUIREMENTS PER DRAIN TRENCH DETAIL ON SHEET C-29.

STORM SERVICE CONNECTION
SCALE: "NTS"

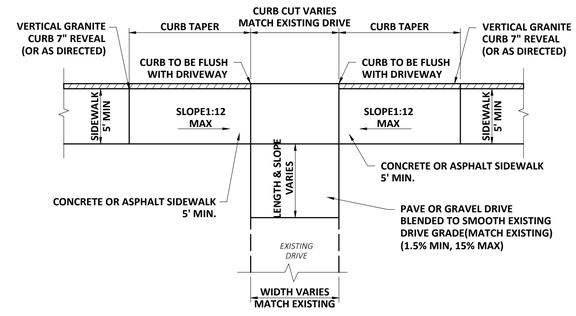


NOTE:
1. ENTIRE STRUCTURE SHALL BE H-20 LOAD RATED. PROVIDE MANUFACTURER REINFORCEMENT DETAILS TO THE CITY ENGINEER UPON REQUEST.

TYPICAL CATCH BASIN
SCALE: NTS



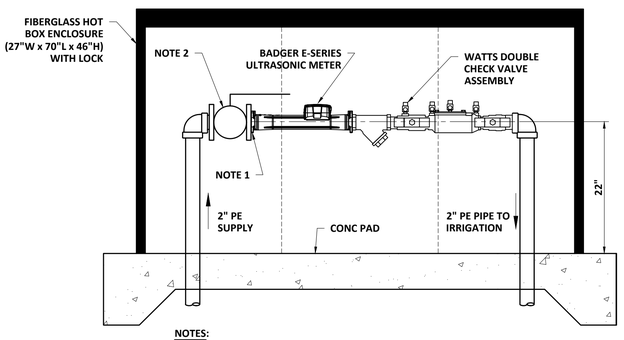
SECTION



PLAN

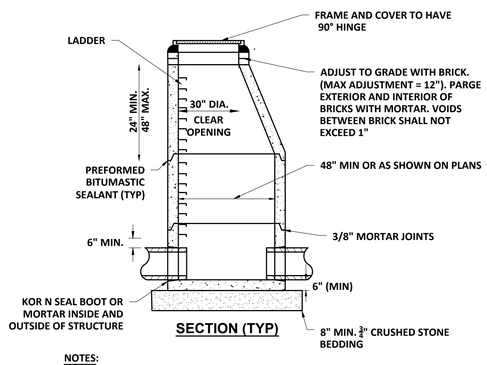
NOTES:
1. DO NOT EXCEED 2% AT SIDEWALK CROSSING

PAVED DRIVE APRON
SCALE: NTS



NOTES:
1. PROVIDE THREADED UNIONS FOR SEASONAL METER AND VALVE ASSEMBLY REMOVAL.
2. BALL VALVES SHALL FACILITATE REMOVAL OF VALVE ASSEMBLY.
3. PROVIDE WATTS DOUBLE CHECK VALVE ASSEMBLY WITH STRAINER MODEL LF007M1QT-S).

HOT BOX ASSEMBLY
SCALE: NTS



SECTION (TYP)

NOTES:
1. CORINGS TO BE SEPARATED BY 6" (MINIMUM) OF MONOLITHIC SECTION

TYPICAL DRAIN MANHOLE
SCALE: NTS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ERIK STROM – NO. 15702 – LICENSED PROFESSIONAL ENGINEER – 3/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

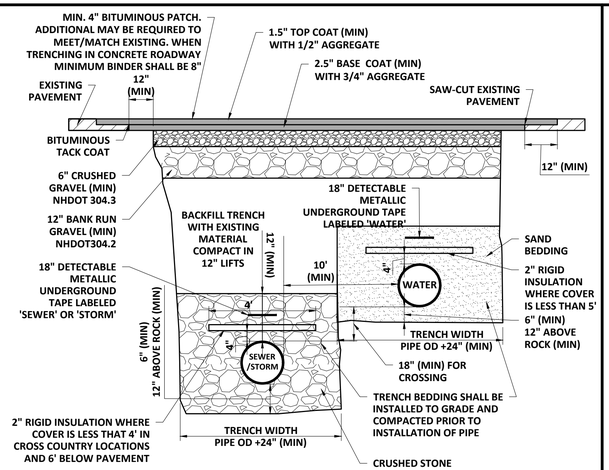
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

DETAILS I

DRAWING
C-28

J:\ENGR\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIVIL\20803-CIM-DETAILS I.DWG | 20803-CIM-Details I | 1:2.5849 | — | 3/21/2025 9:27:47 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/20/2025 8:13 AM

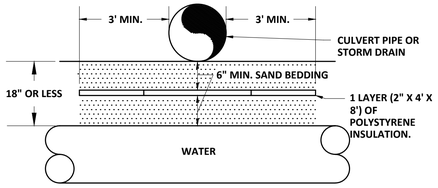


NOTES:

1. TRENCH SHALL BE COMPACTED TO 95% OPTIMUM DENSITY.
2. ALL WORK SHALL COMPLY WITH THE CITY OF DOVER CONSTRUCTION GUIDELINES AND PROCEDURES
3. MAINTAIN 10' (MIN.) HORIZONTAL AND 18" (MIN) VERTICAL SEPARATION BETWEEN WATER & SEWER MAINS (WATER ABOVE SEWER). HORIZONTAL DISTANCE MAY BE REDUCED TO 5'
4. (MIN.) FOR SERVICES PROVIDED THE WATER SERVICE IS A CONTINUOUS PIPE WITHOUT JOINTS OR FITTINGS.
5. PROVIDE LOAM AND SEED WHERE NEW PAVING IS NOT SHOWN ON PLANS, UNLESS OTHERWISE NOTED.

PIPE TRENCH

SCALE: "NTS"

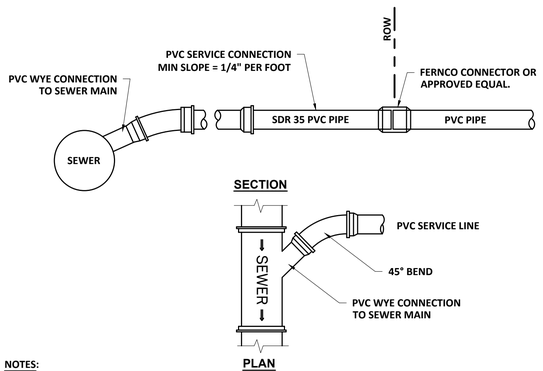


NOTES:

1. INSULATION TO BE USED WHERE VERTICAL PIPE SEPARATION IS 18" OR LESS.
2. WATER MAINS OR SERVICES WITHIN 4 FEET HORIZONTALLY OF ANY CULVERT OR STORM DRAIN PIPE SHALL HAVE INSULATION.

CULVERT/STORM DRAIN AND WATER CROSSING DETAIL

NTS

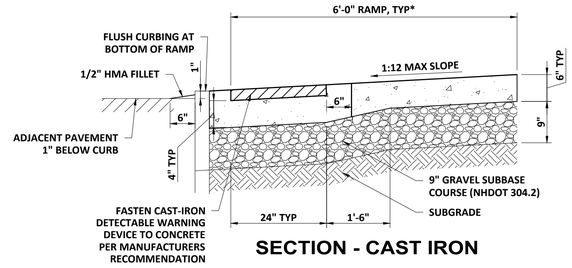


NOTES:

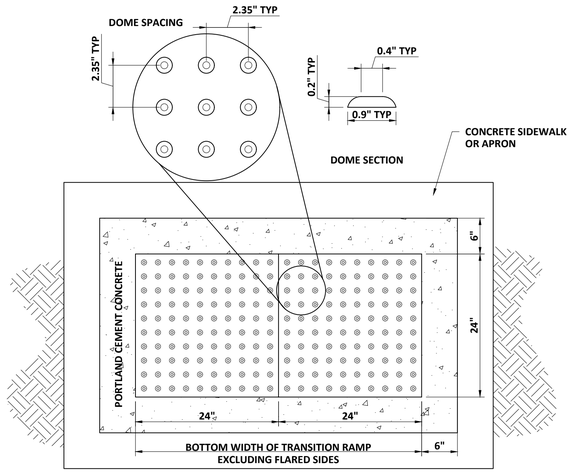
1. TRENCHING AND BEDDING REQUIREMENTS PER SEWER TRENCH DETAIL.
2. SERVICE LATERAL DIAMETER VARIES PER APPLICATION. REVIEW SIZE WITH CITY ENGINEER PRIOR TO INSTALLATION.
3. SDR 35 SHALL NOT EXTEND INTO THE BUILDING

SEWER SERVICE CONNECTION

SCALE: "NTS"



SECTION - CAST IRON



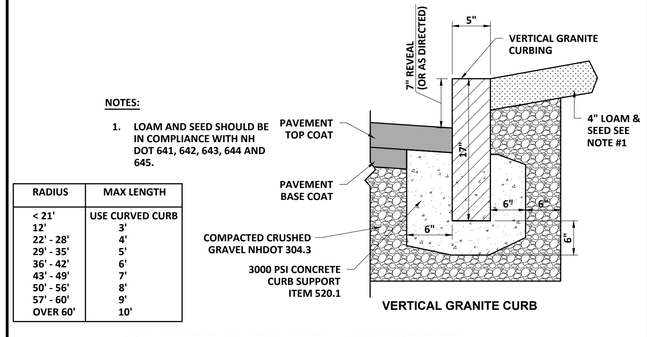
PLAN

NOTES:

1. ALL DETECTABLE WARNING DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). 2'x2', 2'x4' AND RADIUS DEVICES ARE ACCEPTABLE.
2. INSTALL DETECTABLE WARNING DEVICES AT ALL ROADWAYS, HIGH USE ACCESS WAYS, OR AT THE DIRECTION OF THE ENGINEER.
3. COORDINATE THE LAYOUT OF PANELS PRIOR TO INSTALLATION WITH ENGINEER AND OWNER.
4. ALL DEVICES SHALL HAVE A MIN. 6" WIDTH PORTLAND CEMENT CONCRETE SURROUND REGARDLESS OF THE SURROUNDING WALK OR APRON MATERIAL.

RECTANGULAR CAST IRON ACCESSIBLE DETECTABLE WARNING DEVICE DETAIL

SCALE: NTS



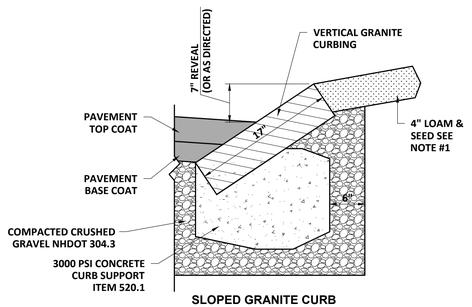
GRANITE CURB WITH CONCRETE

SCALE: NTS

NOTES:

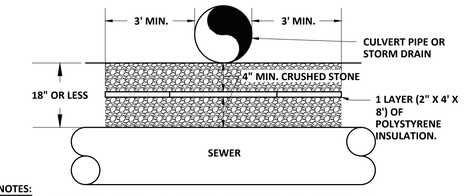
1. LOAM AND SEED SHOULD BE IN COMPLIANCE WITH NH DOT 641, 642, 643, 644 AND 645.

RADIUS	MAX LENGTH
< 21'	USE CURVED CURB
12'	3'
22' - 28'	4'
29' - 35'	5'
36' - 42'	6'
43' - 49'	7'
50' - 56'	8'
57' - 60'	9'
OVER 60'	10'



SLOPED GRANITE CURB WITH CONCRETE

SCALE: NTS

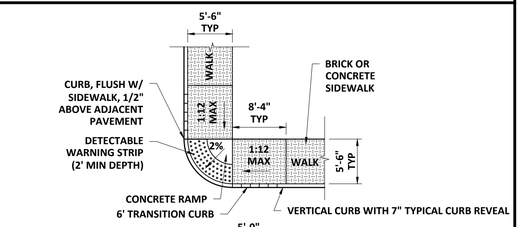


NOTES:

1. INSULATION TO BE USED WHERE VERTICAL PIPE SEPARATION IS 18" OR LESS.
2. SEWER MAINS OR SERVICES WITHIN 4 FEET HORIZONTALLY OF ANY CULVERT OR STORM DRAIN PIPE SHALL HAVE INSULATION.
5. ALL SCREEN OR CRUSHED STONE FOR PIPE BEDDING AND INITIAL BACKFILL SHALL BE ENCASED IN NON-WOVEN GEOTEXTILE FILTER FABRIC MEETING THE REQUIREMENTS OF SPECIFICATION SECTION 02260.

CULVERT/STORM DRAIN AND SANITARY SEWER CROSSING DETAIL

NTS

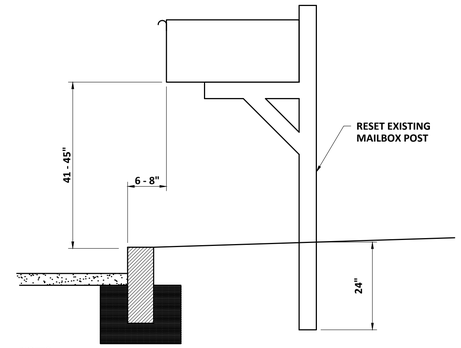


NOTES:

1. RAMPS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
2. DETECTABLE WARNING STRIPS REQUIRED ON ALL RAMPS INDICATED ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL COORDINATE ORIENTATION AND ADA DETECTABLE WARNING PLATES WITH ENGINEER PRIOR TO INSTALLATION.

ACCESSIBLE RAMPS

SCALE: NTS

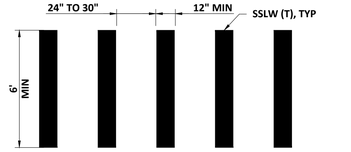


NOTES:

1. EXISTING MAILBOXES THAT WILL BE IMPACTED BY CONSTRUCTION SHALL BE RESET IN ACCORDANCE WITH USPS GUIDELINES.
2. CONTRACTOR SHALL PLACE EXISTING MAILBOX IN TEMPORARY LOCATION AS NEEDED FOR RESIDENTS TO ALLOW FOR UNINTERRUPTED MAIL DELIVERY DURING CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE PERMANENT PLACEMENT OF MAILBOX WITH THE CITY AND PROPERTY OWNER. LOCATION IS SUBJECT TO FINAL APPROVAL BY THE POSTMASTER.
4. PROVIDE NEW 4" X 4" PRESSURE TREATED POST IF EXISTING POST CAN NOT BE RESET. INSTALL PROPERTY OWNER PROVIDED POST AS APPROVED BY THE OWNER.

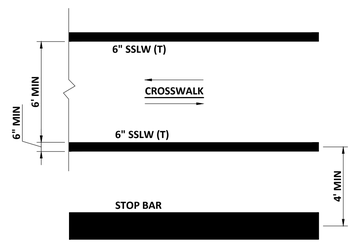
RESET EXISTING MAILBOX IN GRASS

SCALE: NTS



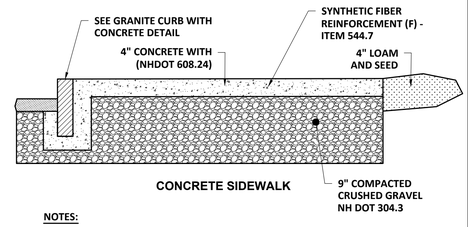
CONTINENTAL CROSSWALK DETAIL

SCALE: NTS



STANDARD CROSSWALK DETAIL

SCALE: NTS



NOTES:

1. MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF DOVER STANDARDS SPECIFICATIONS.
2. SIDEWALK AND DRIVEWAY WIDTHS SHALL BE EQUAL TO EXISTING WIDTHS OR AS APPROVED AND SHALL SLOPE TO MATCH EXISTING ELEVATIONS.
3. BASE FOR THE SIDEWALKS AND DRIVEWAYS SHALL BE 9-INCHES OF CRUSHED GRAVEL.

CONCRETE SIDEWALK

SCALE: NTS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

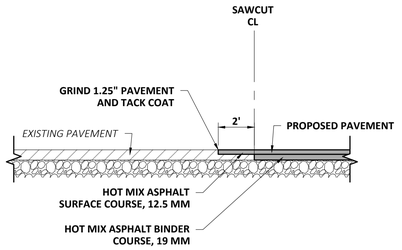
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

DETAILS II

DRAWING
C-29

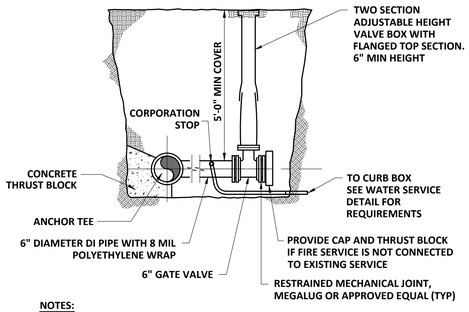
J:\ENG\W\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-DETAILS II.DWG | 20803-CM-Details II | 12.5848 | — | 3/21/2025 9:27:52 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/20/2025 10:15 AM



SHIPLAP PAVEMENT JOINT

SCALE: "NTS"

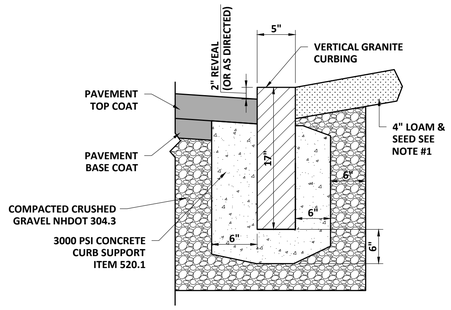


NOTES:

1. FIRE SERVICE TO BE BORED OR TAPPED FOR CORPORATION STOP.
2. GATE VALVE AND CURB BOX SHALL BE INSTALLED WITHIN RIGHT OF WAY.

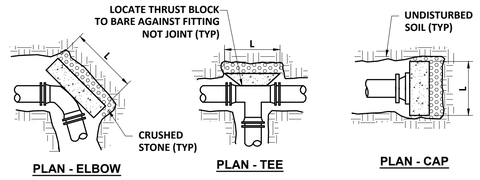
FIRE SERVICE

SCALE: NTS

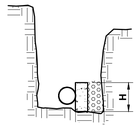


RECESSED GRANITE CURB WITH CONCRETE

SCALE: NTS



PLAN - ELBOW | PLAN - TEE | PLAN - CAP



SECTION (TYP)

THRUST BLOCK SCHEDULE
MINIMUM BEARING AREA (SQUARE FEET)

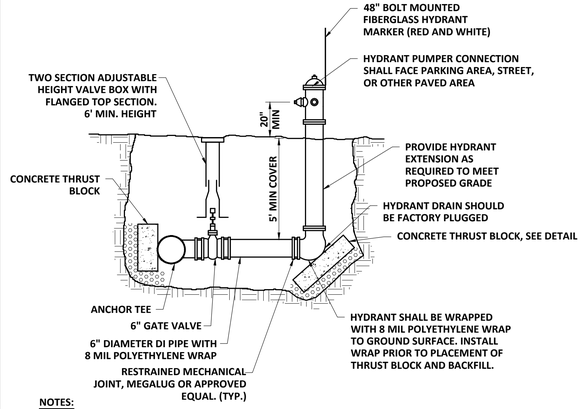
Nominal Dia. (in)	PIPE SIZE 4	6	8	10	12	16
Pipe Fittings	*	*	5.18	7.96	11.43	20.29
90 Degree Bends	*	4.11	7.33	11.26	16.17	28.69
45 Degree Bends	*	*	*	6.10	8.75	15.53
22-1/2 Degree Bends	*	*	*	*	4.46	7.92
11-1/4 Degree Bends	*	*	*	*	*	*
*SEE NOTE 2	System Pressure: 125 psi Safety Factor: 1.5 Soil Bearing Capacity: 2,000 psf					

NOTES:

1. ALL THRUST BLOCKS SHALL BE PRE-CAST CONCRETE UNLESS APPROVED BY THE CITY ENGINEER.
2. 2'X2'X2' MINIMUM THRUST BLOCK REQUIRED, ANY BEARING AREA OVER 45F REQUIRES THRUST BLOCKS, RESTRAINED JOINTS AND CALCULATIONS ASSOCIATED WITH THE JOINT.
3. THE MINIMUM BEARING AREAS SHOWN IN THE THRUST BLOCK SCHEDULE ARE BASED ON A SYSTEM PRESSURE OF 125 PSI. IF THE SYSTEM PRESSURE IS ABOVE 125 PSI, INCREASE THE NOTED AREAS PROPORTIONALLY TO THE ACTUAL SYSTEM PRESSURE.
4. FOR MINIMUM BEARING AREAS OVER 4 SF, THE LENGTH (L) OF THE BLOCK IS APPROXIMATELY TWICE AS LONG AS THE HEIGHT (H).
5. PLACE CRUSHED STONE BEHIND THRUST BLOCK AGAINST UNDISTURBED SOIL.
6. PLACE THRUST BLOCK ALONG MAXIMUM LENGTH OF THE FITTING TO MAXIMIZE BEARING AREA.
7. CONCRETE COMPRESSIVE STRENGTH: 2,000 PSI MINIMUM.
8. USE OF THRUST BLOCKS DOES NOT ELIMINATE THE REQUIREMENT OF OTHER RESTRAINTS OR VICE VERSA.

THRUST BLOCKS

SCALE: NTS

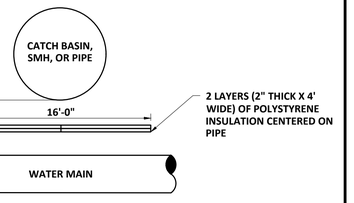


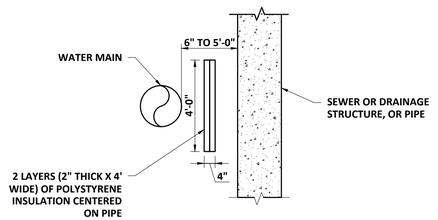
NOTES:

1. FIRE HYDRANTS SHALL BE FACTORY SEALED EDDY STYLE 2641.
2. HYDRANT SHALL BE PAINTED RED WITH EPOXY PAINT AS RECOMMENDED BY THE HYDRANT MANUFACTURER.
3. HYDRANT SHALL OPEN LEFT.
4. IF HYDRANT IS MORE THAN 3' FROM STREET, PAVE 2' WIDE APRON BETWEEN STEAMER AND ROADWAY.

HYDRANT CONNECTION

SCALE: NTS



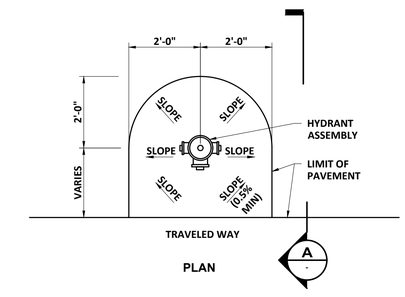


NOTE:

1. MAINS SHALL NOT BE LESS THAN 10' FROM STRUCUTRE EXCEPT WHERE INDICATED ON PLANS.
2. WATER MAIN JOINTS SHALL BE CENTERED ON STRUCTURE TO MAINTAIN SANITARY PROTECTION OF WATER MAIN.
3. CONTRACTOR SHALL INSTALL INSULATION FOR ALL WATER MAIN LOCATED WITHIN 5 FEET OF SEWER OR DRAINAGE STRUCTURES AND PIPE.
4. INSULATION SHALL BE INCIDENTAL TO THE PROJECT.
5. IF A GRAVITY MAIN IS REMOVED TO INSTALL WATER MAIN, CRUSHED STONE BE SHALL BE PROVIDED BETWEEN PIPE AND PIPE CONNECTIONS TO PROVIDE STABILITY FOR PIPE ABOVE.

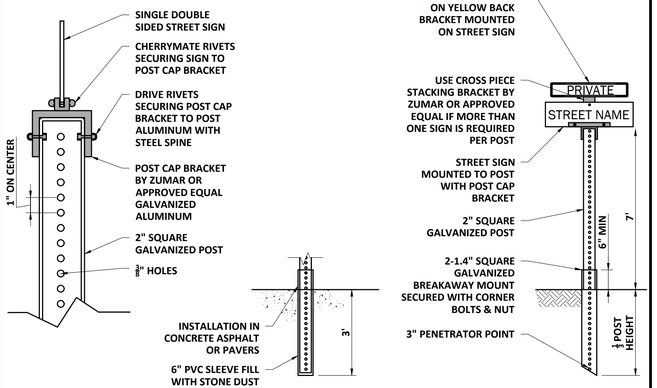
WATER MAIN INSULATION DETAIL

SCALE: "NTS"



HYDRANT PAVED APRON DETAIL

SCALE: NTS

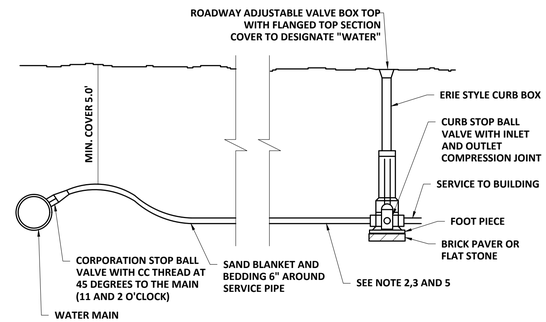


NOTES:

1. COORDINATE WITH FACILITIES AND GROUNDS DEPARTMENT FOR LOCATION OF ALL SIGNS.

CITY OF DOVER - STREET SIGN

SCALE: NTS



NOTES:

1. ALL WATER LINES 4" OR GREATER SHALL BE DUCTILE IRON WITH AN 8 MIL POLYETHYLENE WRAP, INCLUDING TEE AND OTHER CONNECTIONS.
2. WATER SERVICE LINES SHALL BE COPPER TUBING (TYPE K) BETWEEN MAIN AND CURB STOP.
3. SERVICE BETWEEN CURB STOP AND BUILDING MAY BE COPPER TUBING (TYPE K)(BLUE) CTS SDR 9 PLASTIC POLYETHYLENE RATED FOR 250 psi. ALL SERVICE LINES INSTALLED BEYOND THE CURB STOP SHALL BE COORDINATED WITH THE CITY OF DOVER AND THE PROPERTY OWNER.
4. CAM-LOCK REQUIRED FOR CTS OR IPS, MJ ADAPTER REQUIRED FOR HDPE
5. ALL SERVICES SHALL BE 1". PROVIDE 1" TO 3/4" REDUCER COUPLING WHERE EXISTING SERVICES ARE 3/4", SUBSIDIARY.
6. APPROVED WATER SERVICE MATERIALS FOR INSTALLATION BEYOND THE CURB STOP INCLUDE:
   3/4" - COPPER, CTS
   1" - COPPER, CTS
   2" - CTS, HDPE, IPS

WATER SERVICE CONNECTION

SCALE: NTS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE – BRITT ERIK STROM – NO. 15393 – PROFESSIONAL ENGINEER – 3.21.2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

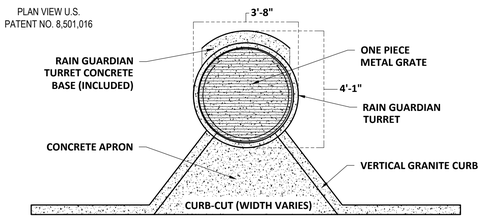
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

DETAILS III

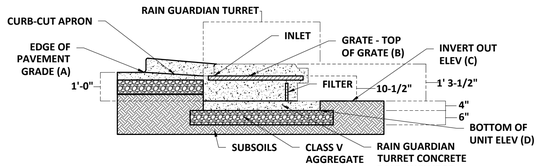
DRAWING
C-30

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIVIL\20803-CM-DETAILS III.DWG | 20803-CM-Details III | 1:2.5849 | --- | 3/21/2025 9:27:56 AM | JAMES.MICHAUD

LAST SAVED BY: JAMES.MICHAUD 3/20/2025 8:29 AM



RAIN GUARDIAN TURRET - KEY ELEVATION DATA			
	RAIN GUARDIAN I.D.	RG-1	RG-2
A	EDGE OF PAVEMENT GRADE	106.75	
B	TOP OF GRATE ELEVATION	106.70	
C	INVERT OUT ELEVATION	105.83	
D	BOTTOM OF UNIT ELEVATION	105.49	

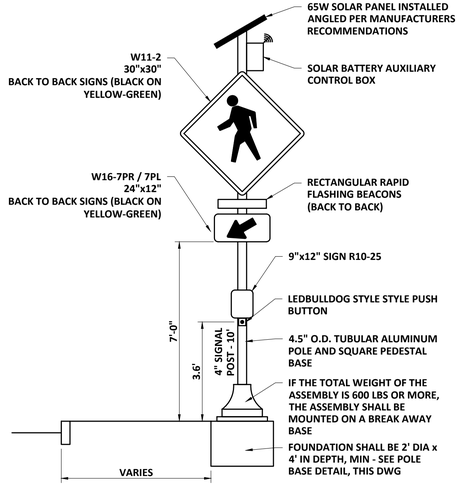


RAIN GUARDIAN TURRET DETAIL

SCALE: NTS

SPECIFICATIONS

1. STEEL REINFORCED, COLD JOINT SECURED MONOLITHIC CONCRETE STRUCTURE (1,030 LBS). CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT 28 DAYS. CONCRETE AIR ENTRAINED (5% TO 8.5% BY VOLUME). MANUFACTURED AND DESIGNED TO ASTM C858.
2. THREE-POINT PICK USING RECESSED LIFTING POCKETS WITH A STANDARD HOOK.
3. FIBERGLASS TOP GRATE (32 LBS, 1-1/2" THICK) - 1,760 LB CONCENTRATED LOAD OR 409 LB/SQ-FT UNIFORM LOAD.

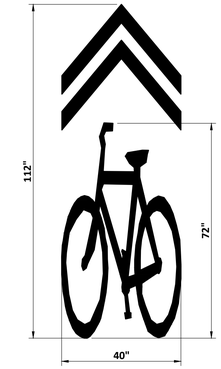


PEDESTRIAN ACTUATED FLASHING BEACON

SCALE: NTS

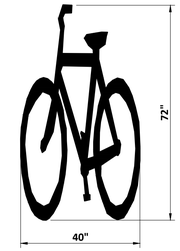
NOTES:

1. FINAL LOCATIONS OF THE CROSSING ASSEMBLY WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER.
2. PUSH BUTTON SHALL BE ORIENTATED TO FACE MOST ACCESSIBLE LOCATION ON ADJACENT SIDEWALK, WITHIN 10" FROM LANDING, AS DIRECTED BY THE ENGINEER.
3. RRFB HOUSINGS AND POSTS SHALL BE POWDER COATED ALUMINUM (BLACK).
4. UNITS TO MATCH TAPCO RRFB'S INSTALLED ON HIGH STREET, MEMORIAL DRIVE, AND CAMPUS CONNECTOR TRAIL IN 2023. SEE SPECIAL PROVISION ITEM 616.261 FOR HIGH STREET, CAMPUS CONNECTOR, & MEMORIAL DRIVE PROJECT. DEVIATIONS INCLUDE 65W SOLAR PANEL AND WIRED BULLDOG PUSH BUTTON SYSTEM.



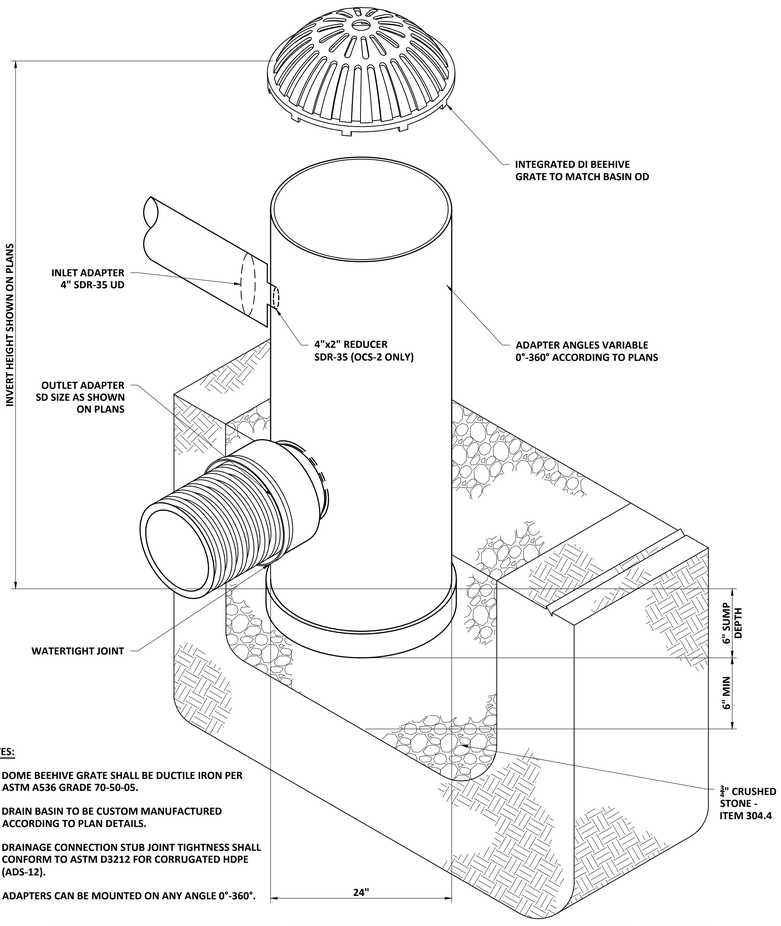
SHARED LANE MARKING

SCALE: NTS



BIKE LANE MARKING

SCALE: NTS



NOTES:

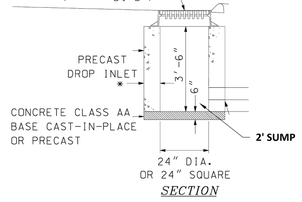
1. DOME BEEHIVE GRATE SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS-12).
4. ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0°-360°.

24" OUTLET CONTROL STRUCTURE (OCS) WITH BEEHIVE GRATE

SCALE: NTS

GENERAL NOTES

1. ALSO USED IN NON-CURB SAGS FOR SNOW CURB

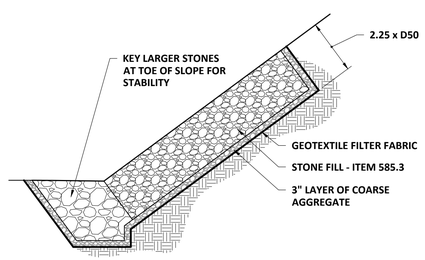


SECTION

* 8" UNREINFORCED: 5" REINFORCED
ITEM 604.222

DROP INLET TYPE B

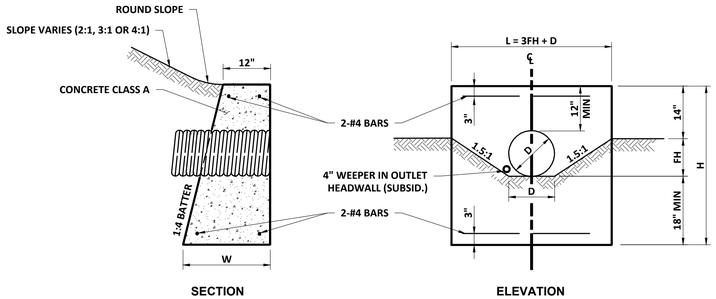
SCALE: NTS



STONE FILL PROTECTION

SCALE: NTS

NOTE:
STONE FILL SHALL BE INSTALLED ON SLOPES GREATER THAN 3H:1V.



NOTE:
DIMENSIONS SHOWN ARE TO PAYMENT LINES.

DIAMETER D INCHES	LENGTH OF BARS	HEADER LENGTH L	HEADER HEIGHT H	FILL HEIGHT FH	WIDTH AT BOTTOM OF HEADER W
15	3'-10"	4'-6"	3'-9"	1'-1"	1'-11 ¼"

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			
6			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD:
CHECKED: J.MICHAUD
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

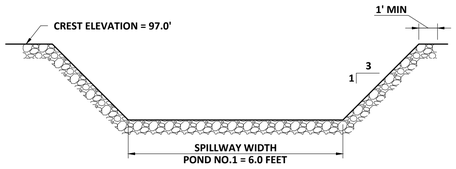
DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

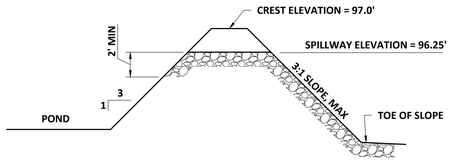
DETAILS IV

DRAWING
C-31

J:\ENG\WH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CIV-DETAILS IV.DWG | 20803-CIV-Details IV | 1:2.5849 | --- | 3/21/2025 9:28:04 AM | JAMES.MICHAUD

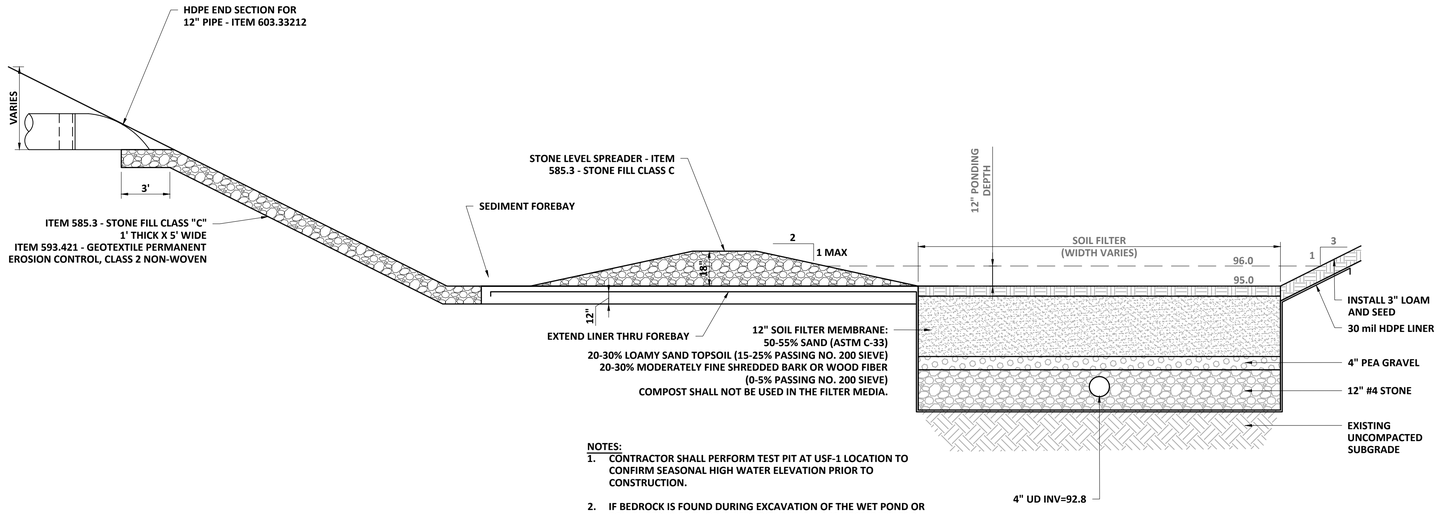
LAST SAVED BY: JAMES.MICHAUD 3/20/2025 8:44 AM





NOTE:
RIPRAP SHALL BE NHDOT 585.3 STONE FILL AND 18 INCH THICKNESS ON FILTER FABRIC

USF-2 SPILLWAY
SCALE: NTS



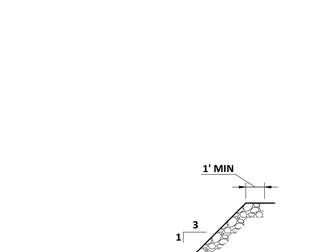
NOTES:
1. CONTRACTOR SHALL PERFORM TEST PIT AT USF-1 LOCATION TO CONFIRM SEASONAL HIGH WATER ELEVATION PRIOR TO CONSTRUCTION.
2. IF BEDROCK IS FOUND DURING EXCAVATION OF THE WET POND OR SOIL FILTER BASINS, OR IF BEDROCK REMOVAL IS NECESSARY FOR CONSTRUCTION OF THESE BASINS, A MINIMUM 4" LAYER OF SAND OR CLAY MUST BE PLACED BETWEEN THE BEDROCK SURFACE AND IMPERMEABLE LINER TO PROTECT THE LINER FROM PUNCTURES.

UNDERDRAIN SOIL FILTER (USF) #2
SCALE: NTS

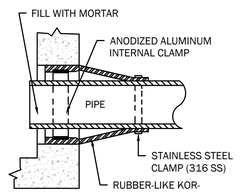
A C-32

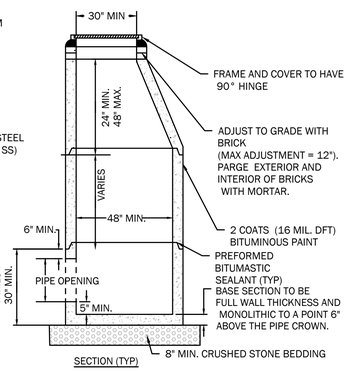
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS



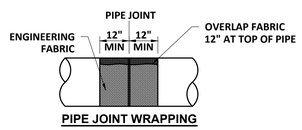
NOTES:
1. CORINGS TO BE SEPARATED BY 6" (MINIMUM) OF MONOLITHIC SECTION





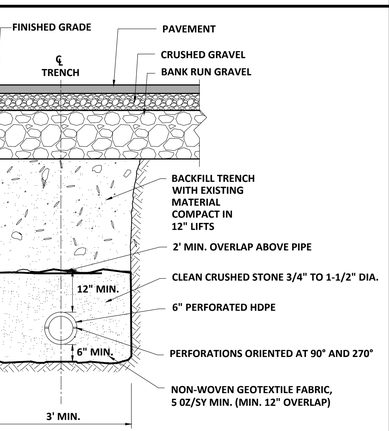
NOTES:
1. **ALL SEWER MAINTENANCE HOLES WITHIN CITY EASEMENTS OR RIGHT OF WAY SHALL HAVE LIFTMATE R-1743-LM COVERS OR APPROVED EQUAL.**
2. **SEWER MAINTENANCE HOLES NOT WITHIN CITY EASEMENTS OR RIGHT OF WAY SHALL BE SEALED TO PREVENT INFILTRATION.**

SEWER MANHOLE DETAIL
SCALE: NTS

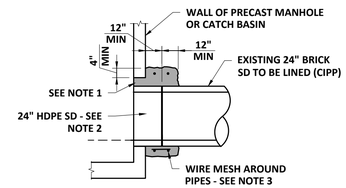


PIPE JOINT WRAPPING

PIPE TO PIPE CONNECTION
SCALE: NTS

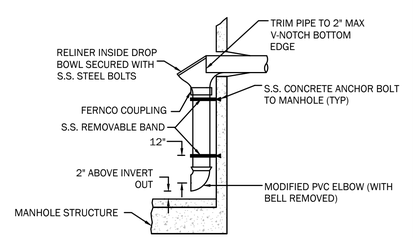


UNDERDRAIN DETAIL
SCALE: NTS



NOTES:
1. TROWEL CONCRETE FLUSH WITH INSIDE OF STRUCTURE.
2. EXTEND CIPP LINING THROUGH 24" HDPE SD.
3. WIRE MESH SHALL NOT WEIGH LESS THAN 54 LBS/100 SQ FT.

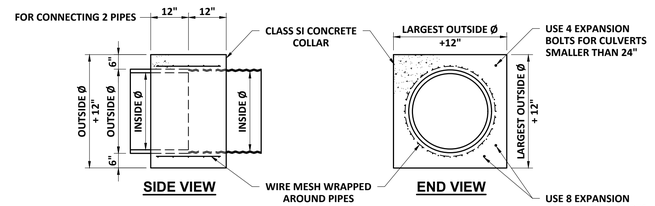
CONCRETE COLLAR FOR CIPP LINED SD CONNECTIONS
SCALE: NTS



INTERNAL DROP

NOTES:
1. INTERNAL DROPS ARE PROHIBITED UNLESS APPROVED BY THE CITY ENGINEER.
2. IF DROP IS FOR AN EXISTING MANHOLE, REWORK SHELF TO FORM NEW CHANNEL FOR NEW DROP CONNECTIONS.
3. BRICK INVERT NOT SHOWN ON DETAIL.

DROP INLET DETAIL
SCALE: NTS



NOTES:
1. **CLASS SI CONCRETE SHALL BE USED THROUGHOUT.**
2. **WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).**
3. **THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT.**
4. **WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED .**

CONCRETE COLLAR
SCALE: NTS

STATE OF NEW HAMPSHIRE – BRITT ERIK STROM – NO. 15824 – PROFESSIONAL ENGINEER – 3/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

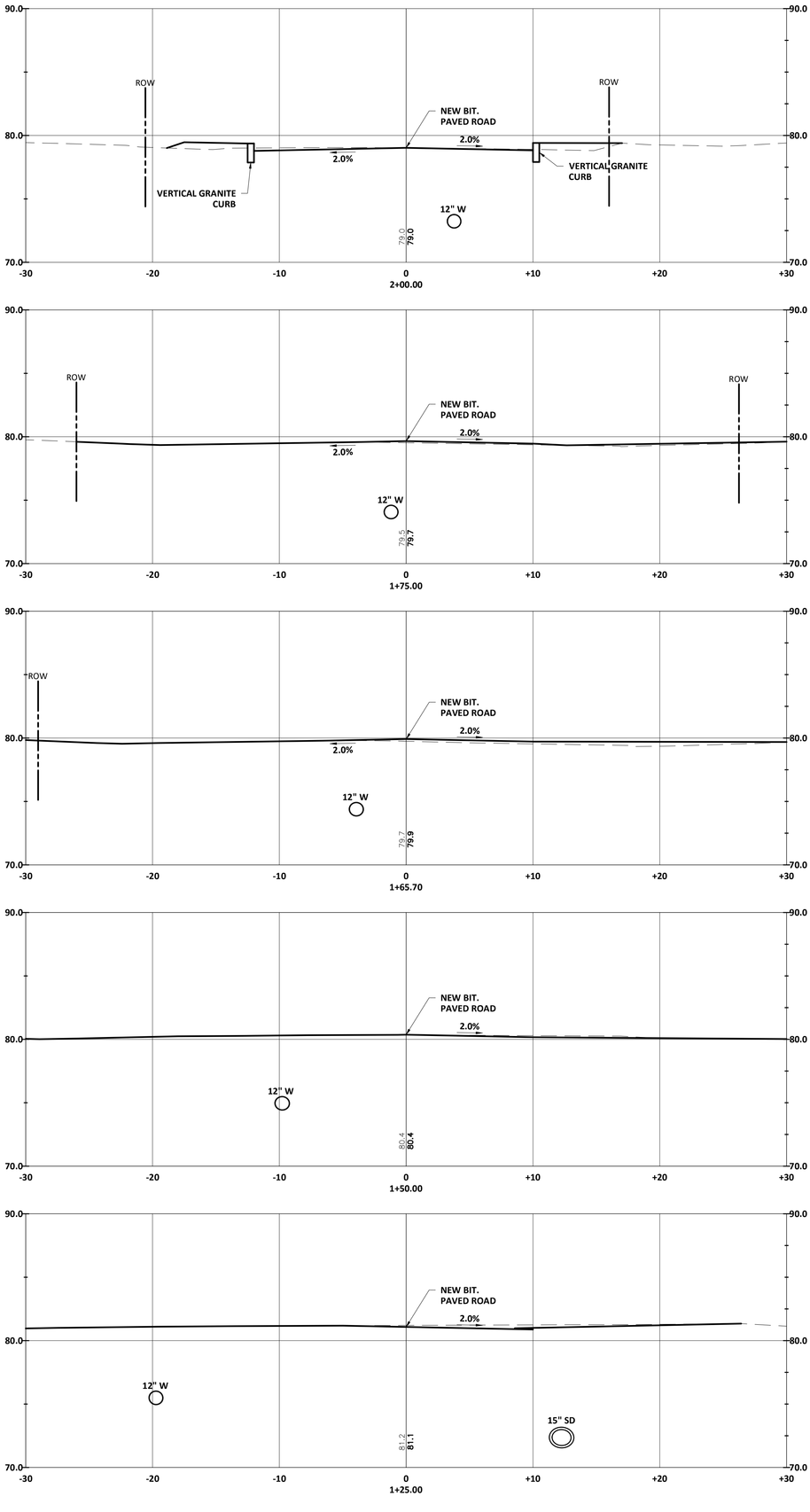
DETAILS V

DRAWING
C-32

J:\ENG\NH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CIV-DETAILS V.DWG | 20803-CIV-Details V | 12.5849 | ---- | 3/21/2025 9:28:12 AM | JAMES.MICHAUD

CROSS SECTIONS

SCALE: 1"=5'



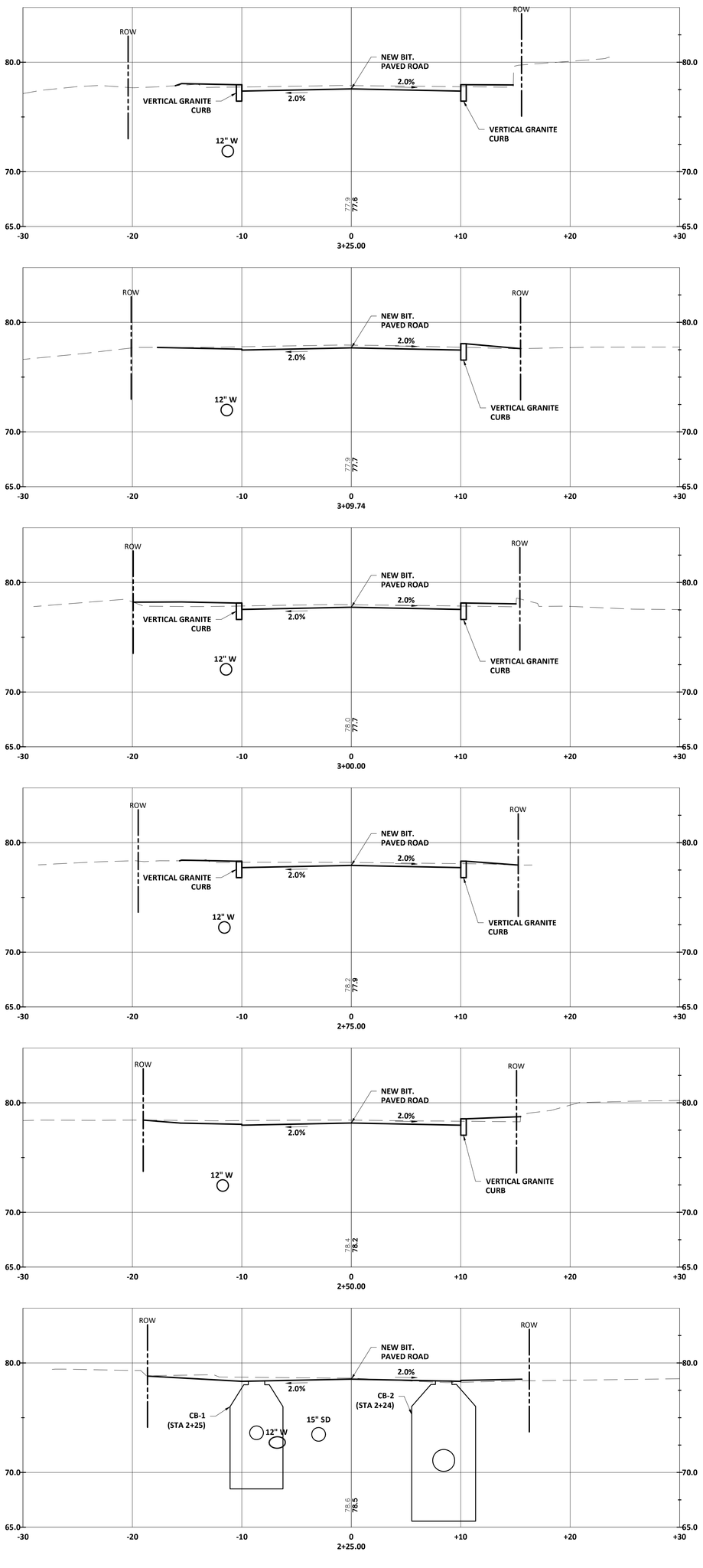
DRAWING C-33	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT CROSS SECTIONS: COURT STREET	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	STATE OF NEW HAMPSHIRE BRITT ECKSTROM No. 12048 PROFESSIONAL ENGINEER 3-21-2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



DRAWING C-34

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

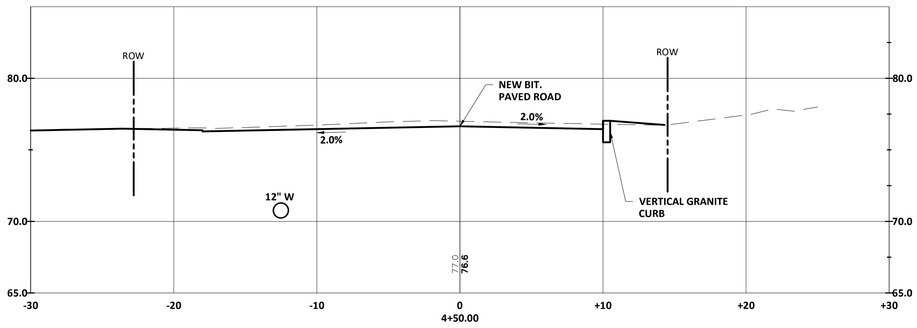
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3-21-2025

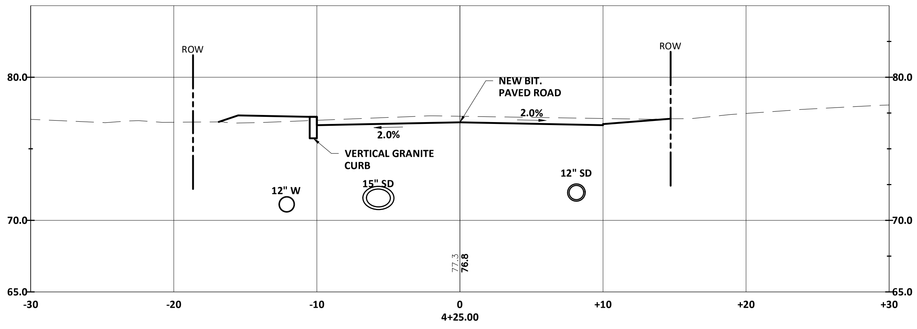
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

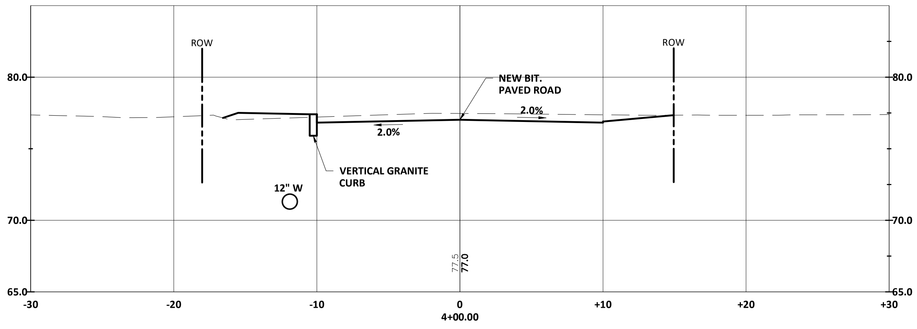
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

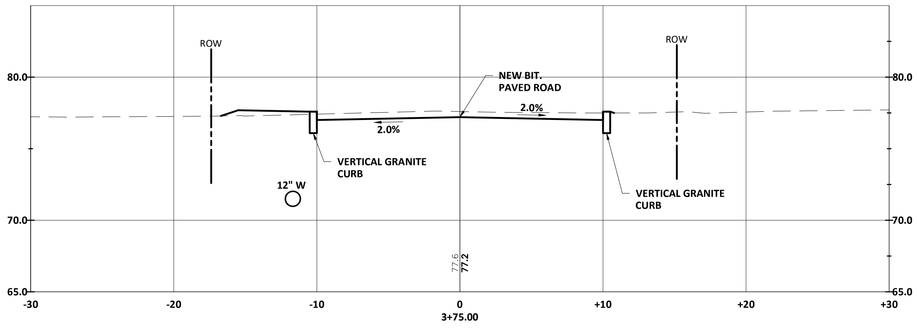
CROSS SECTIONS

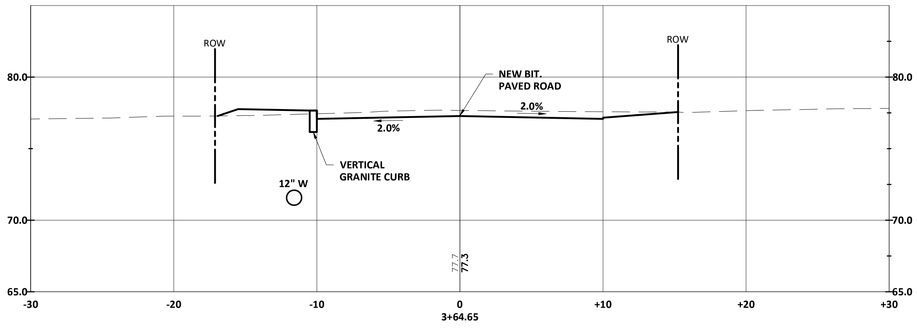
SCALE: 1"=5'

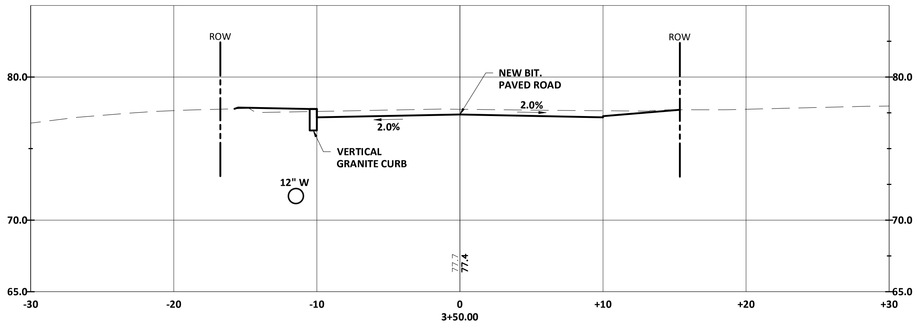












DRAWING C-35

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

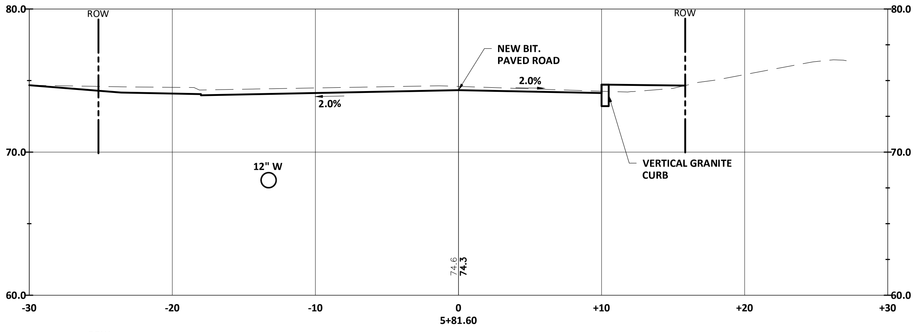
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3-21-2025

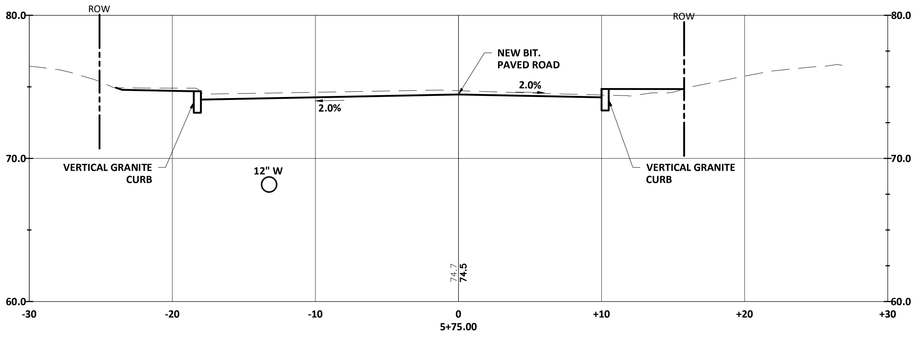
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

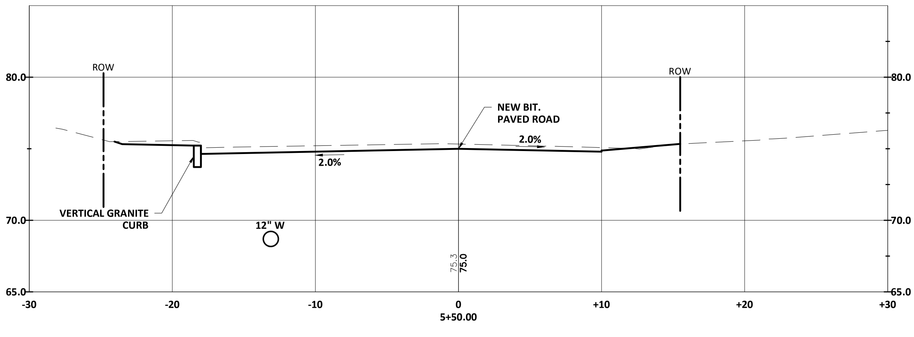
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

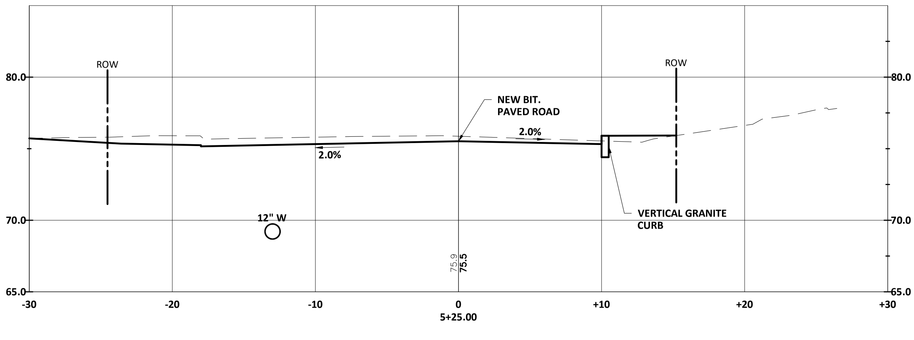
CROSS SECTIONS

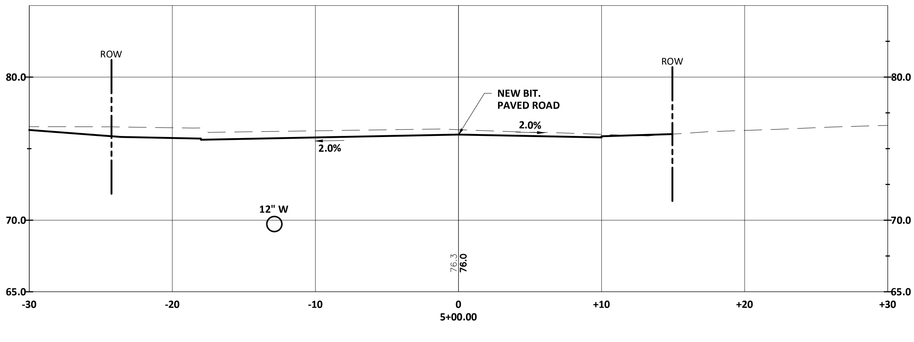
SCALE: 1"=5'

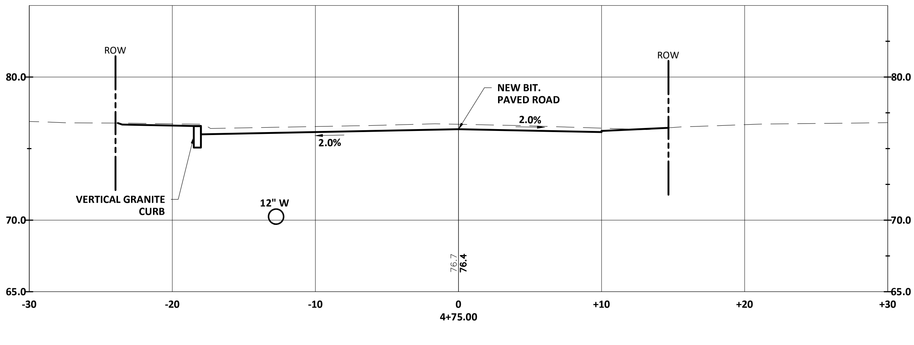












DRAWING C-36

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

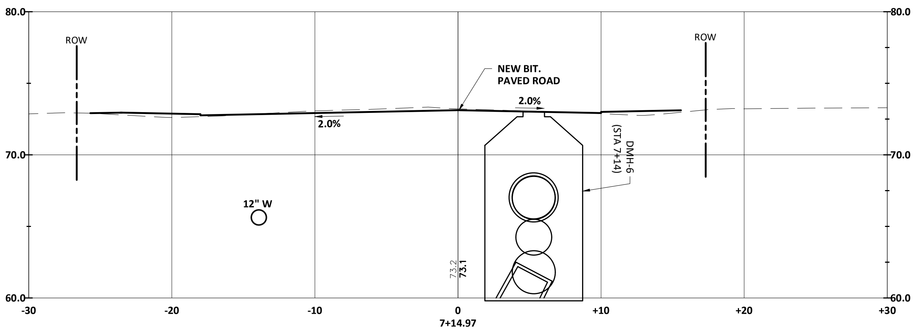
STATE OF NEW HAMPSHIRE — BRITT ECKSTROM No. 12048 — LICENSED PROFESSIONAL ENGINEER — 3/21/2025

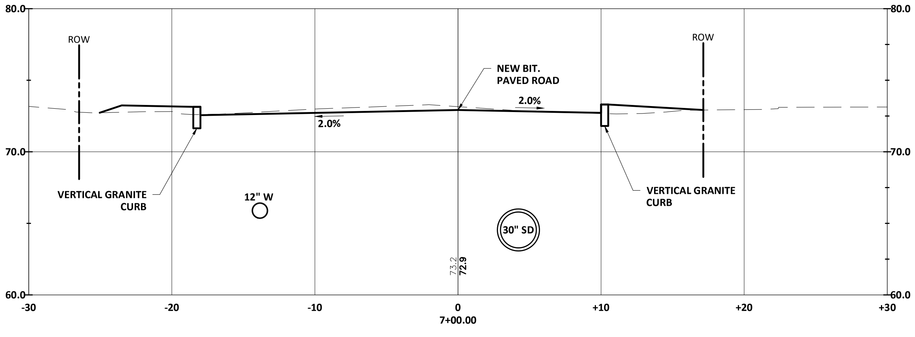
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

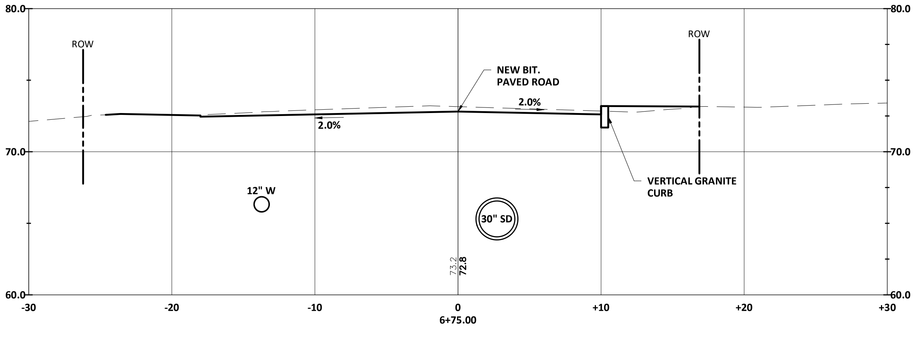
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

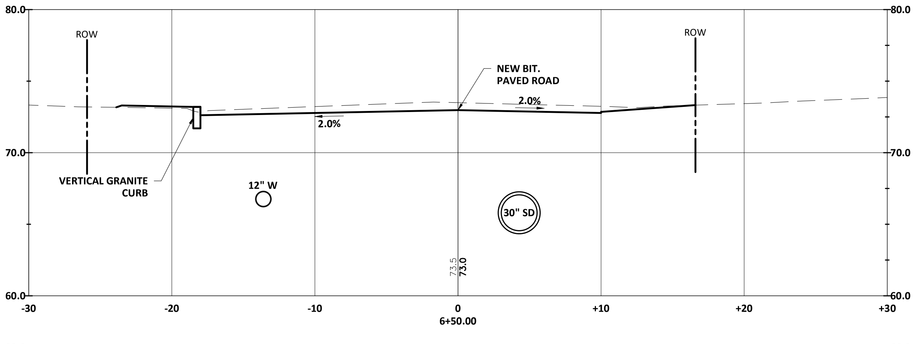
CROSS SECTIONS

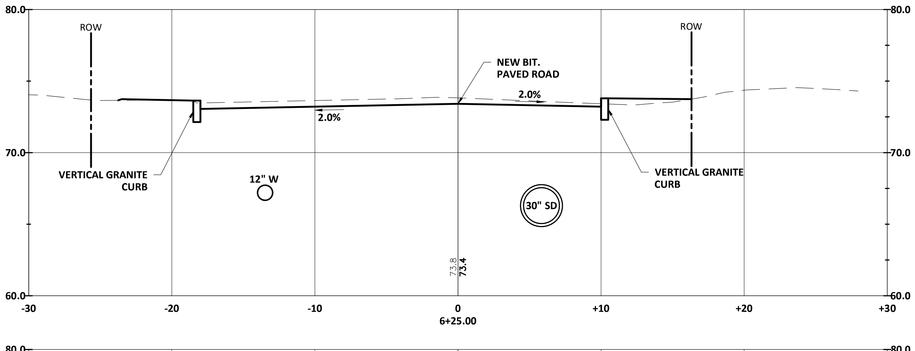
SCALE: 1"=5'

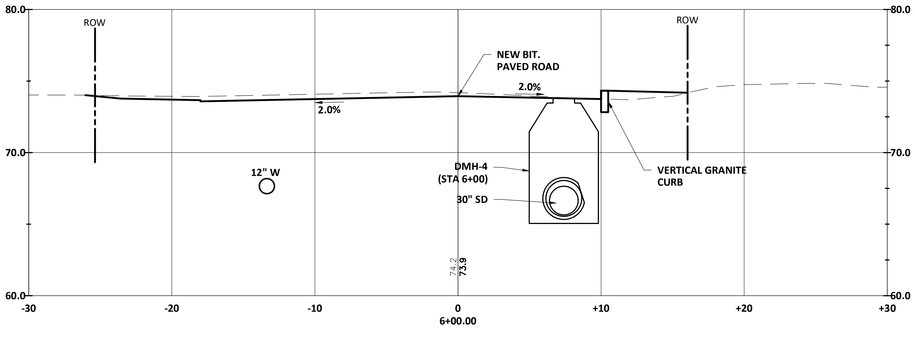












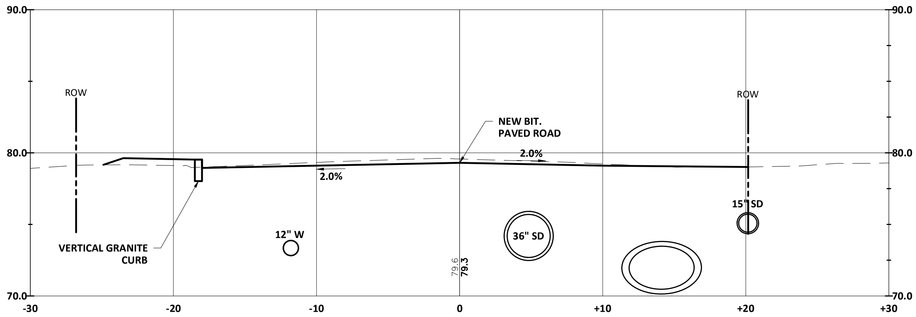
DRAWING C-37	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT CROSS SECTIONS: COURT STREET	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	BRITT ECKSTROM No. 12048 STATE OF NEW HAMPSHIRE PROFESSIONAL ENGINEER 3/21/2025

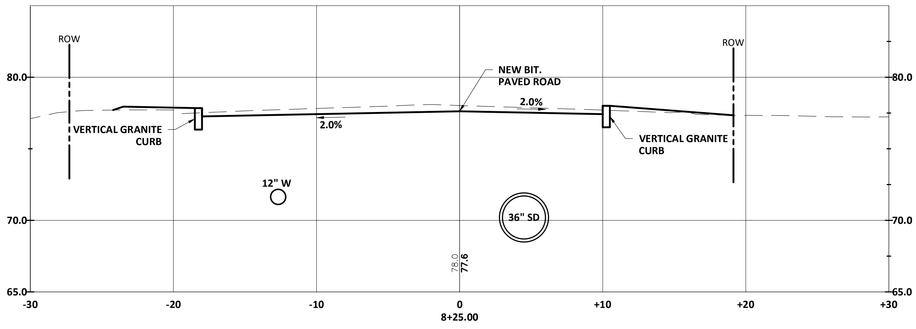
PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

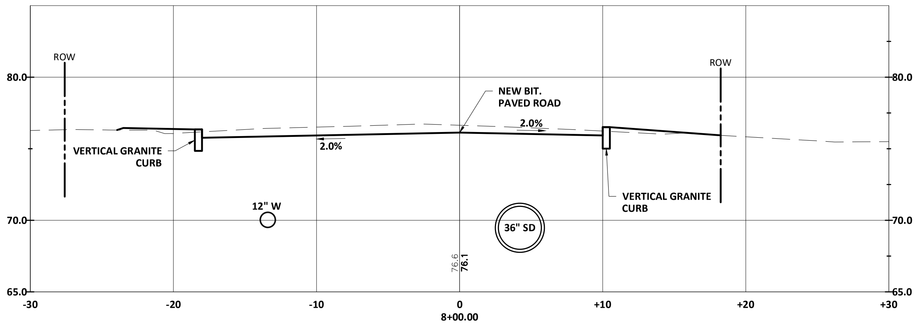
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

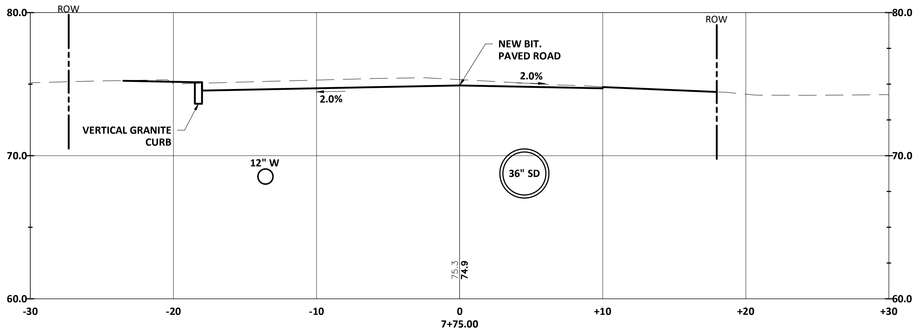
CROSS SECTIONS

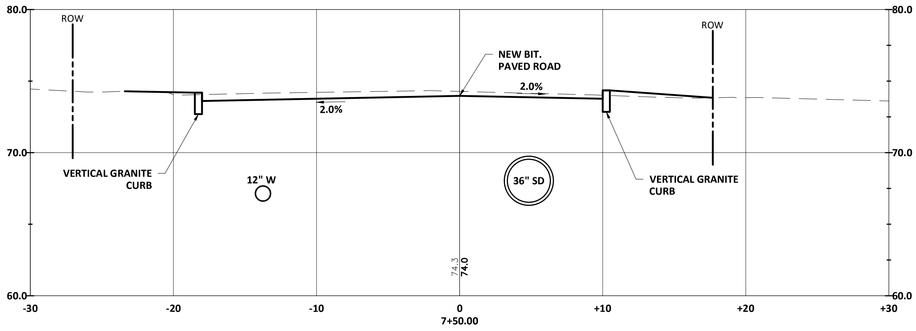
SCALE: 1"=5'

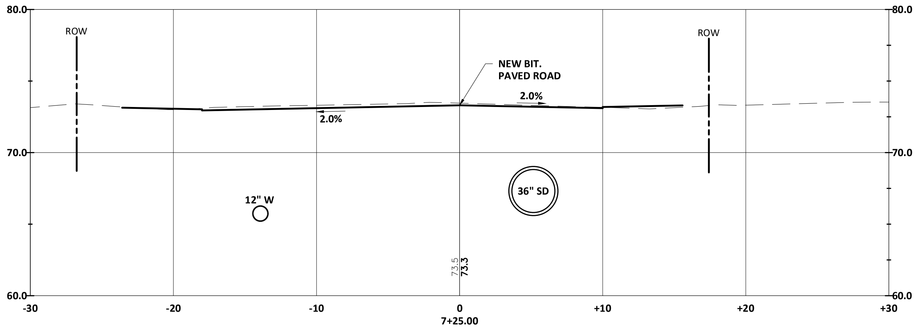












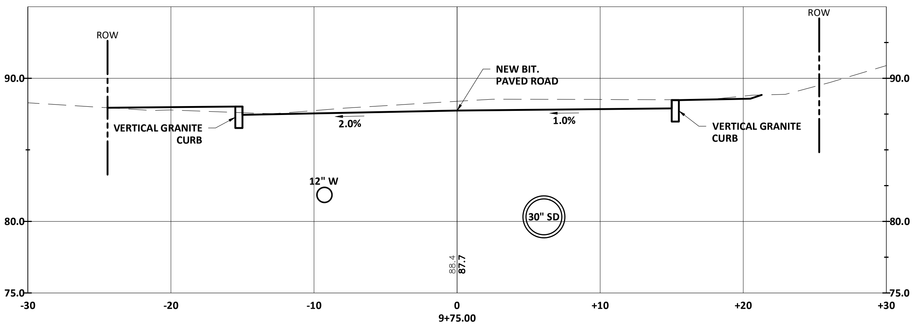
DRAWING C-38	**DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT** **CROSS SECTIONS: COURT STREET**	**WRIGHT-PIERCE** (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	STATE OF NEW HAMPSHIRE BRITT ECKSTROM No. 12048 PROFESSIONAL ENGINEER 3-21-2025

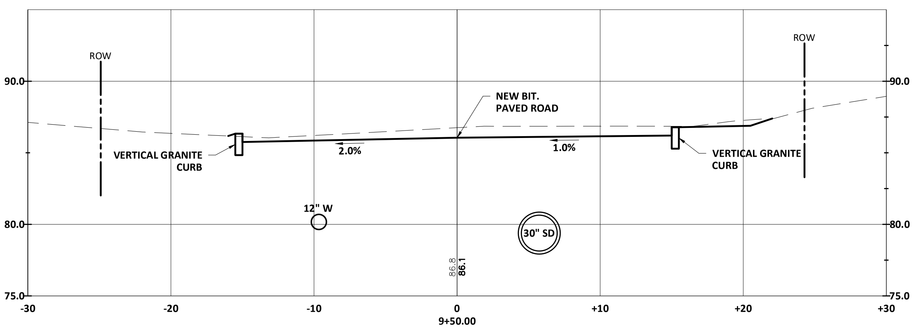
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

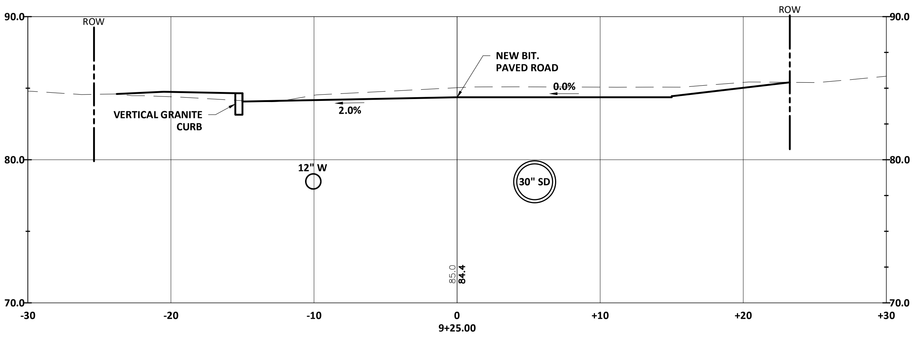
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

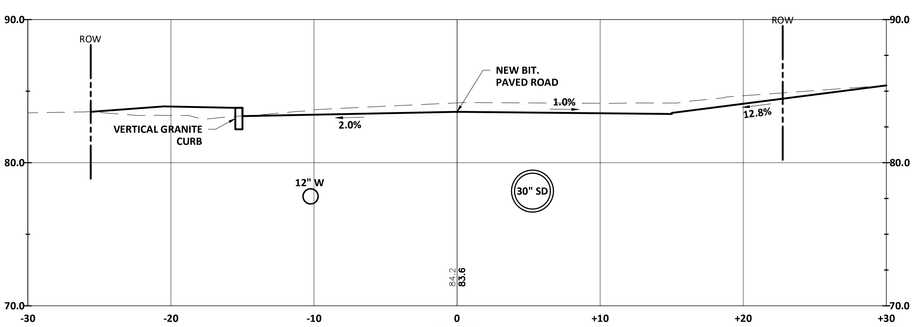
CROSS SECTIONS

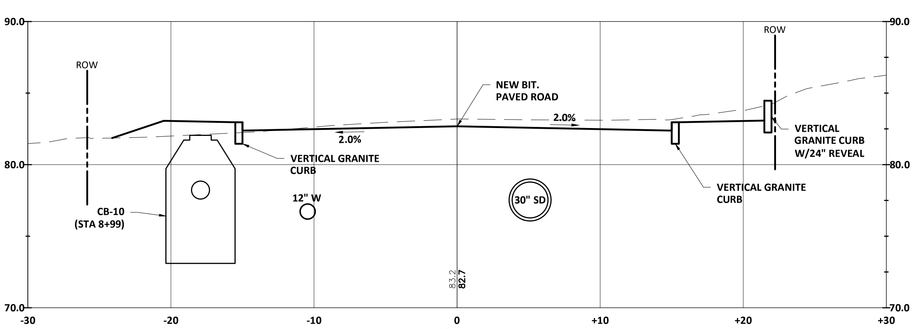
SCALE: 1"=5'

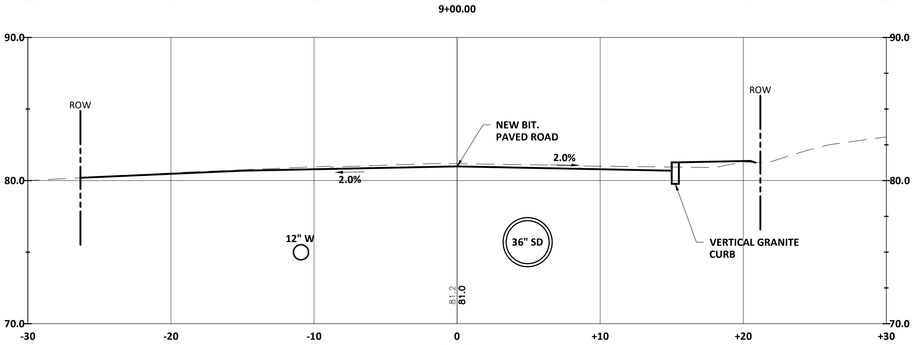












DRAWING C-39

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

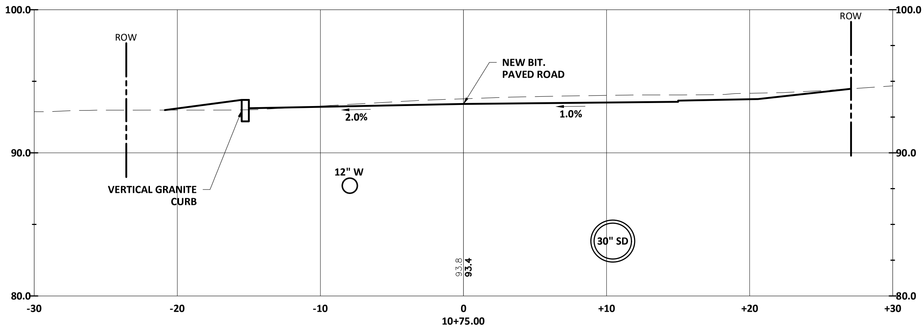
STATE OF NEW HAMPSHIRE — BRITT ECKSTROM No. 12048 — LICENSED PROFESSIONAL ENGINEER — 3-21-2025

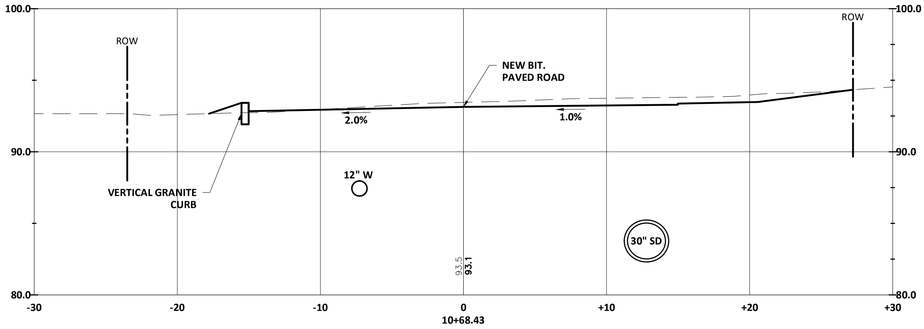
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

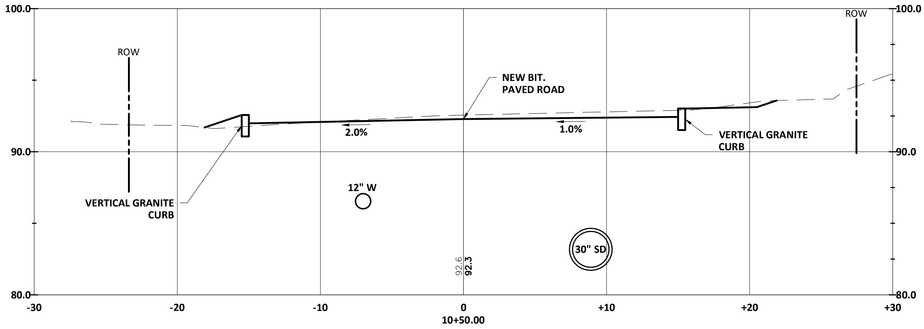
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

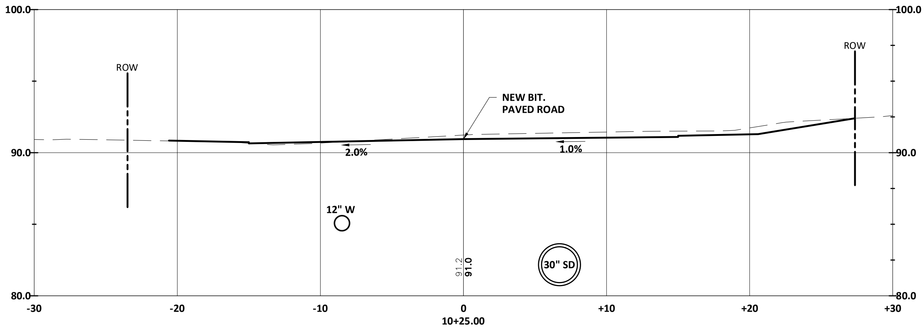
CROSS SECTIONS

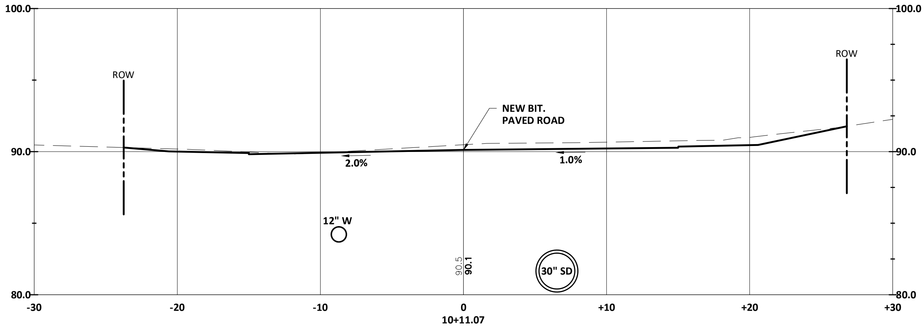
SCALE: 1"=5'

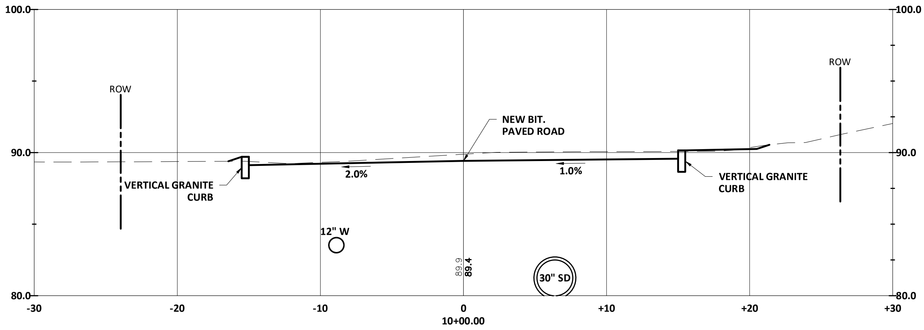












DRAWING C-40

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

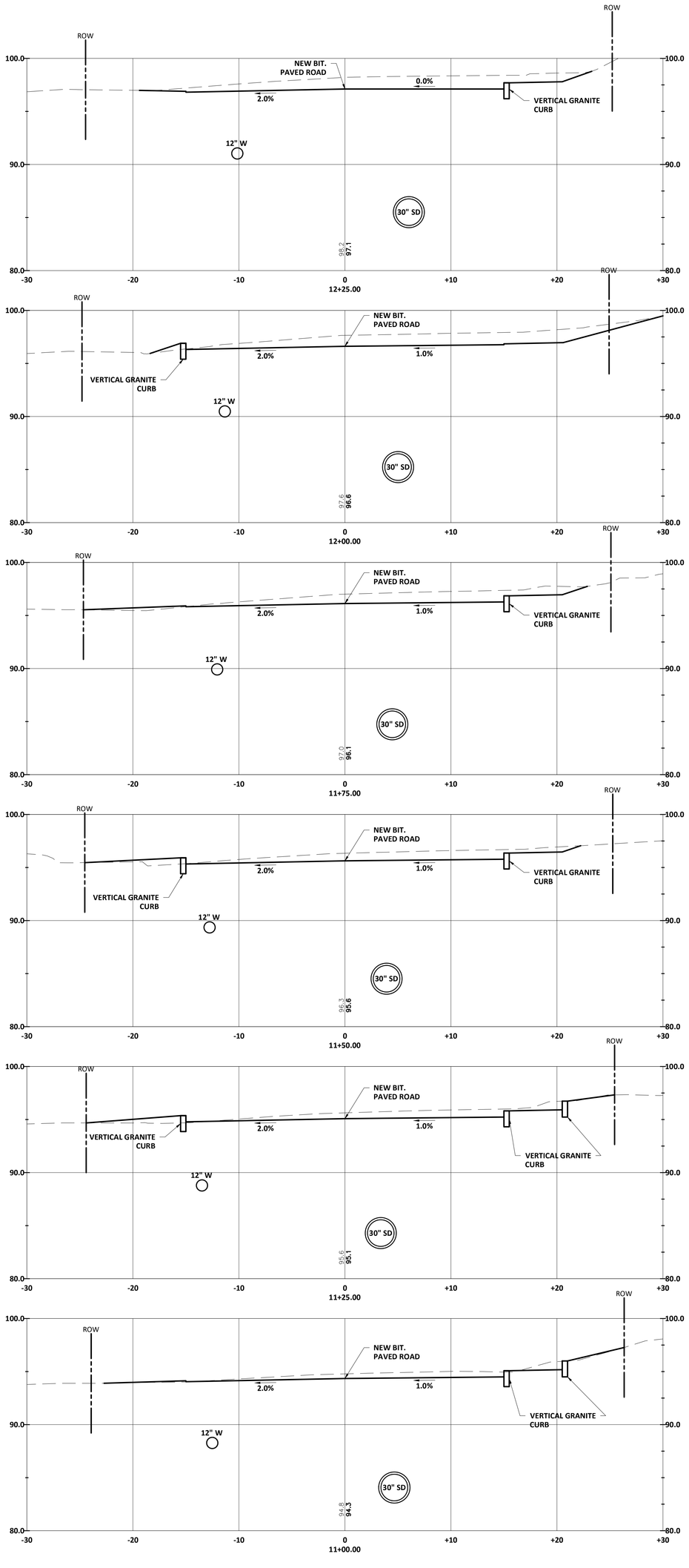
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3-21-2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



DRAWING C-41

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

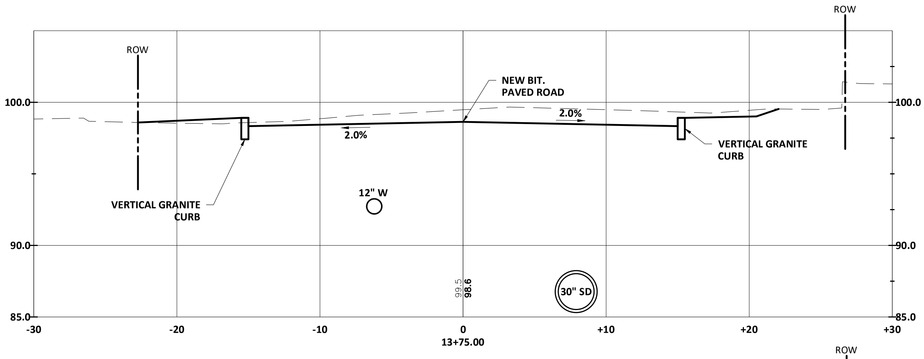
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3-21-2025

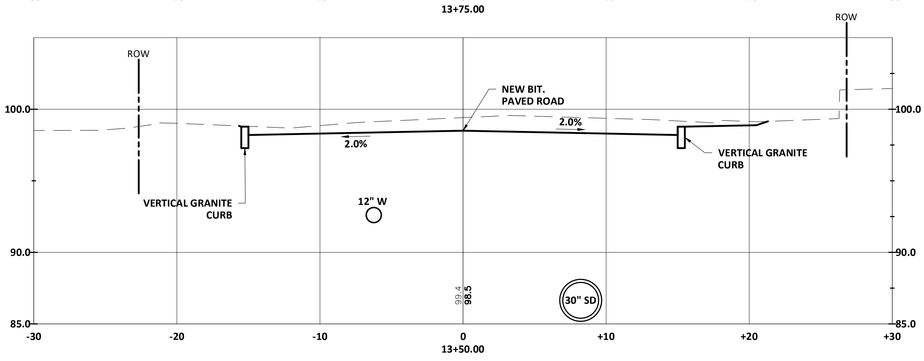
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

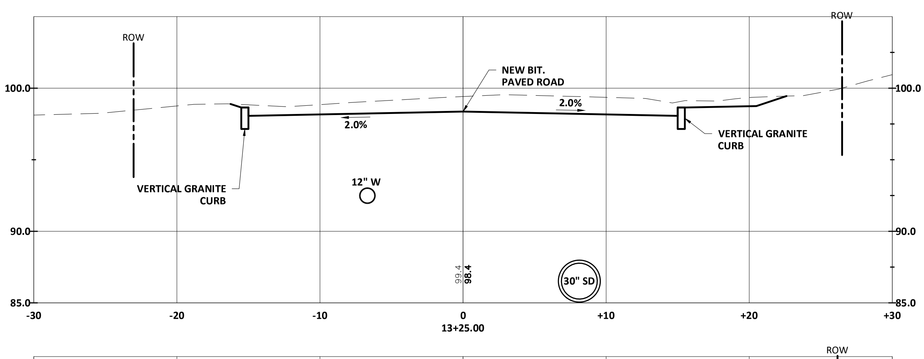
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

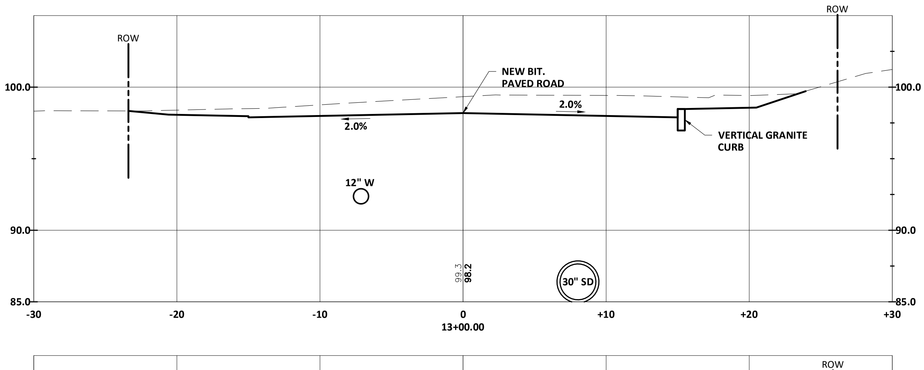
CROSS SECTIONS

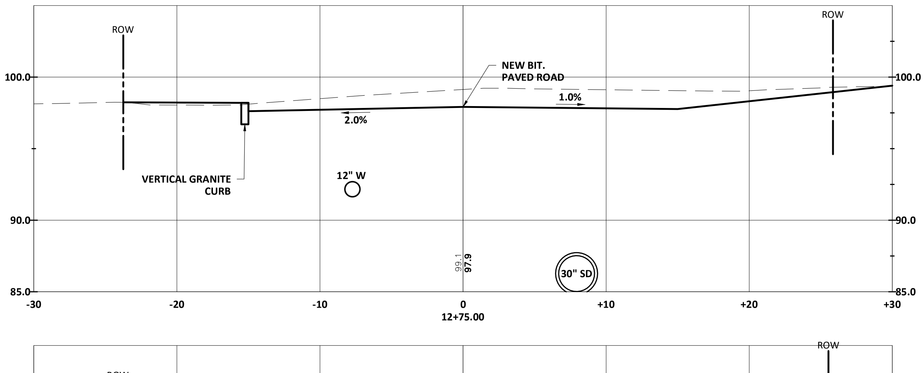
SCALE: 1"=5'

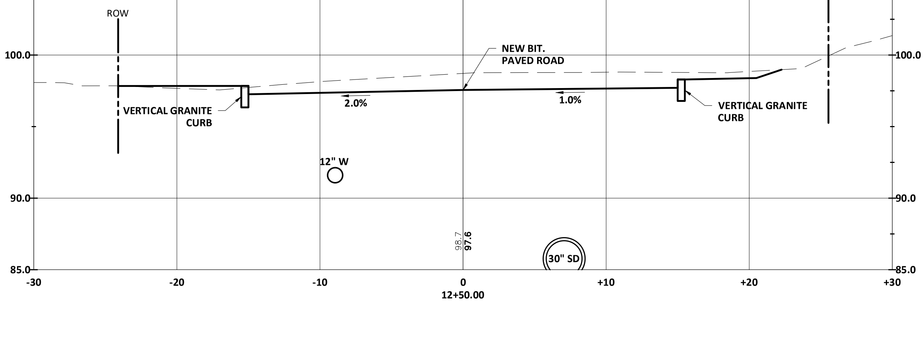












DRAWING C-42

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

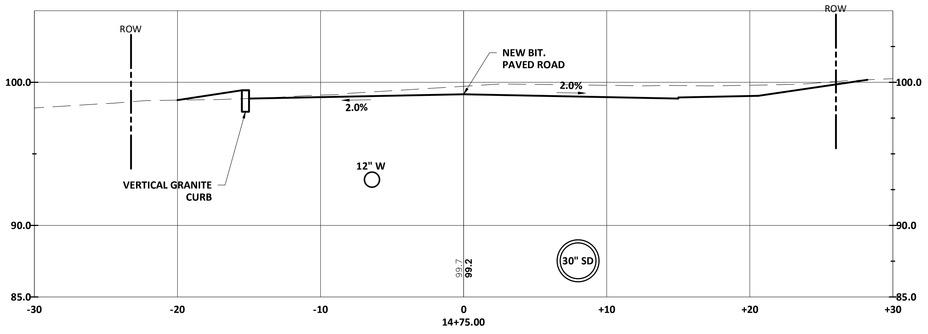
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED
PROFESSIONAL ENGINEER
3-21-2025

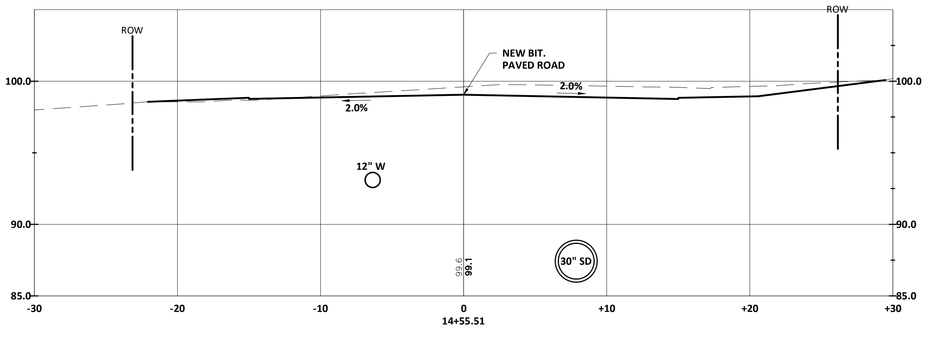
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

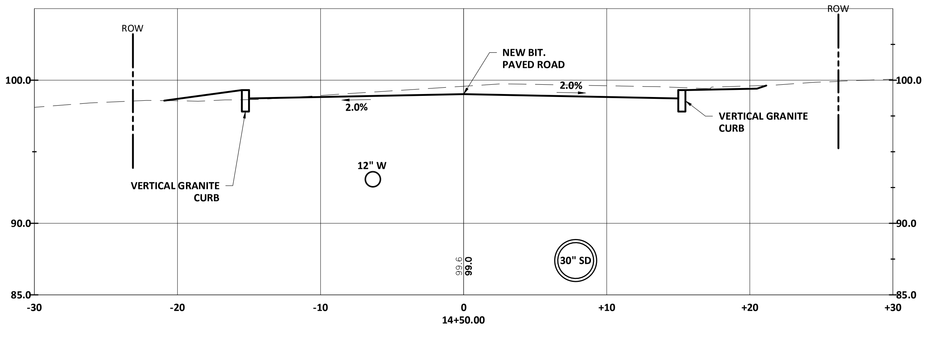
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

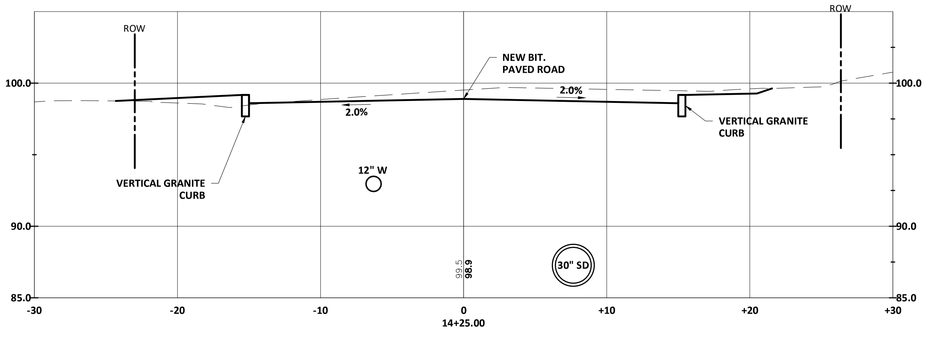
CROSS SECTIONS

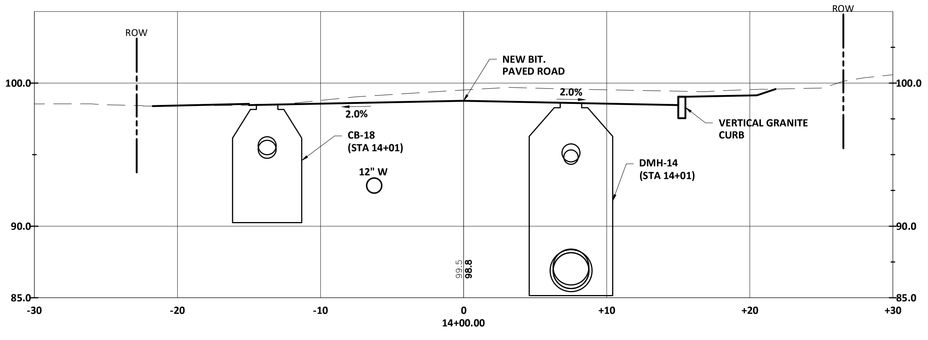
SCALE: 1"=5'

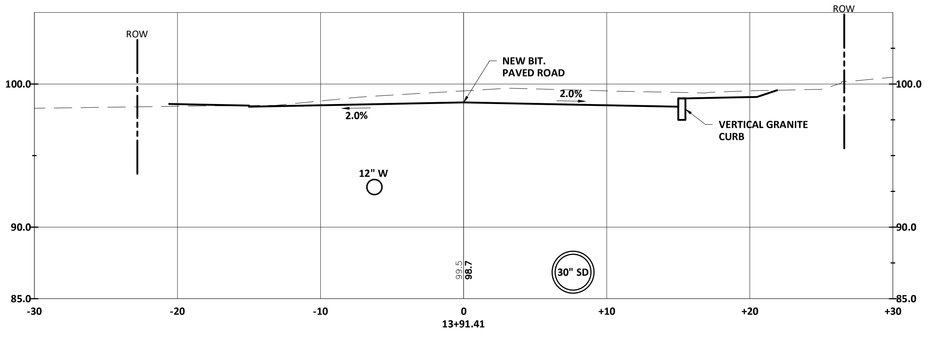












DRAWING C-43

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

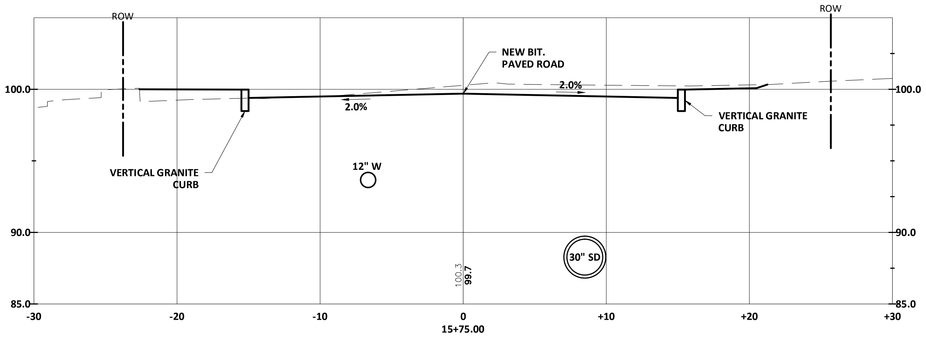
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3-21-2025

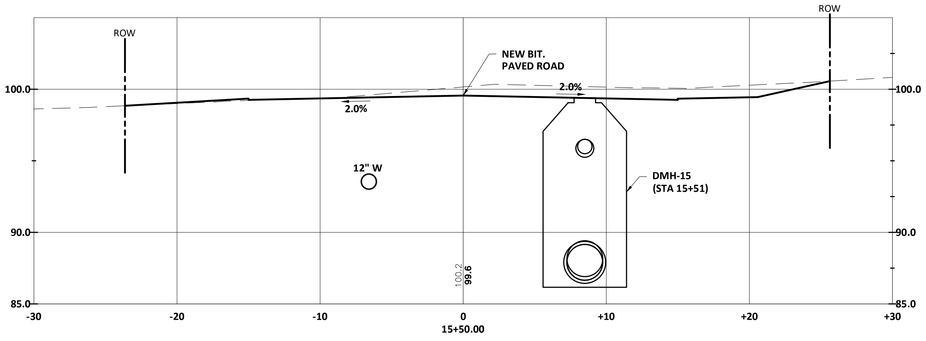
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

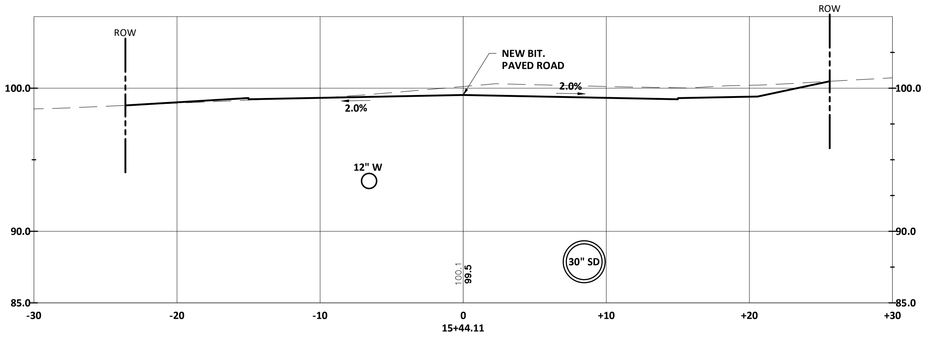
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

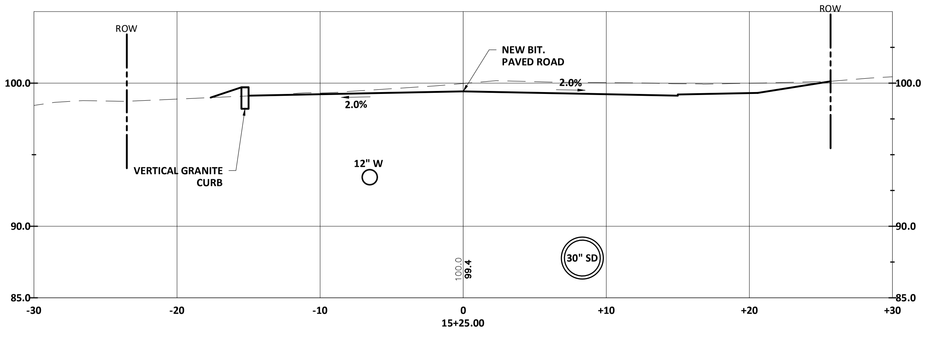
CROSS SECTIONS

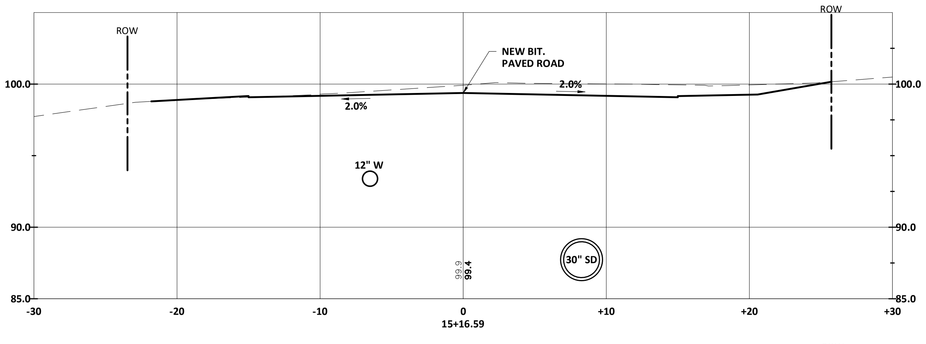
SCALE: 1"=5'

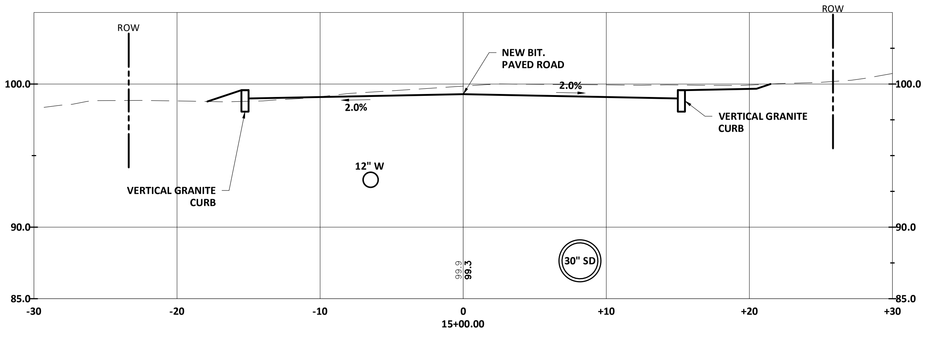












DRAWING C-44

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

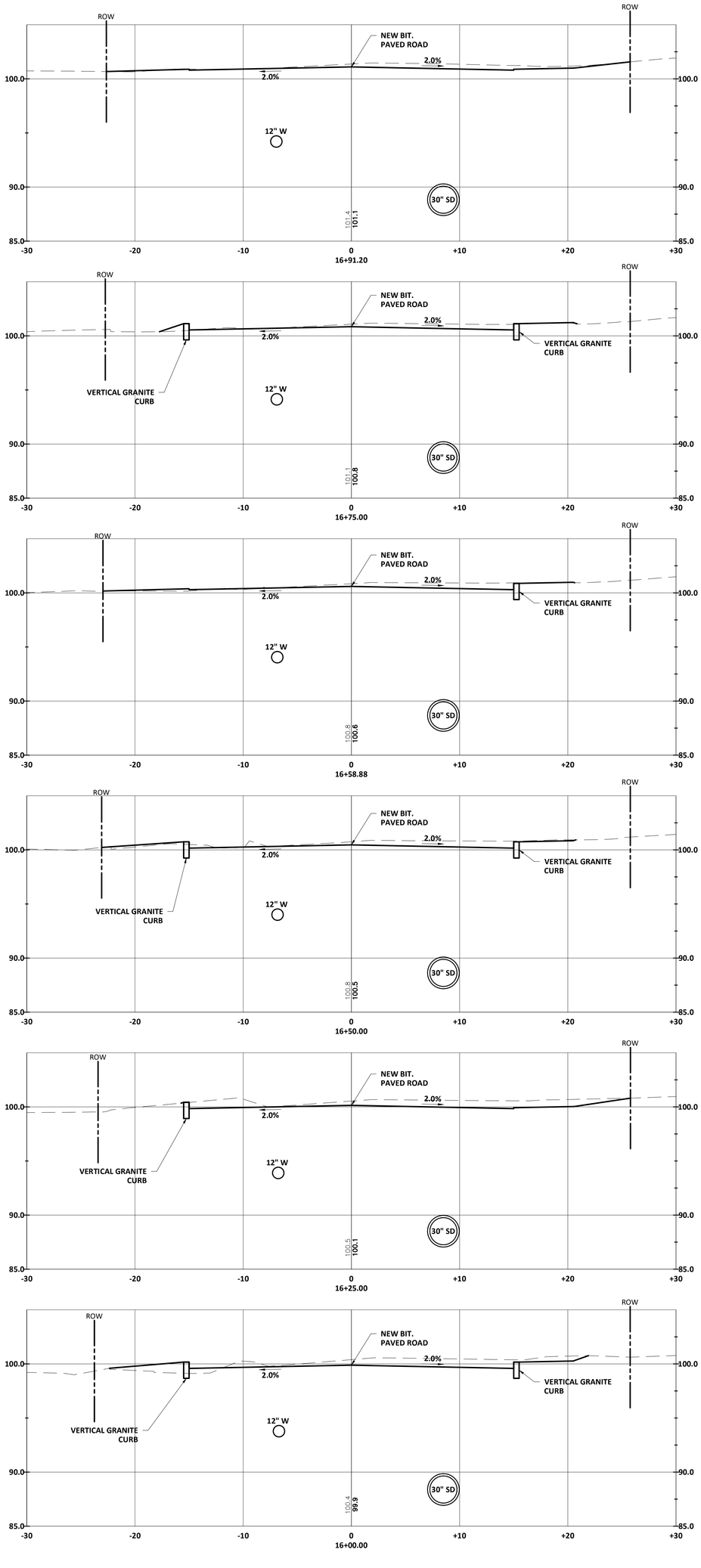
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3-21-2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'

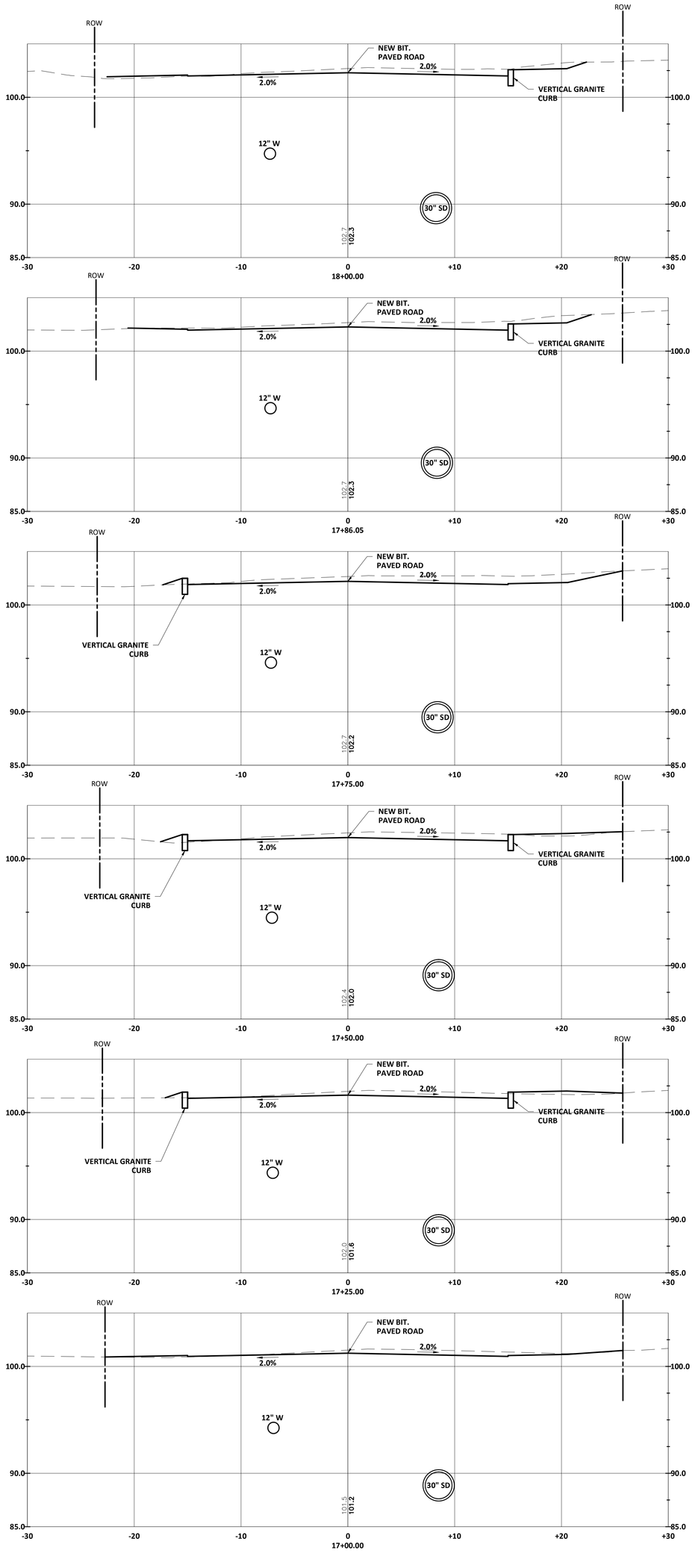


DRAWING C-45	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	PROJECT NO: 20803 DESIGNED: B.ECKSTROM CAD COORD: J.MICHAUD CAD: J.MICHAUD CHECKED: DATE: APPROVED: DATE: SUBMISSION: CONTRACT DRAWINGS
	CROSS SECTIONS: COURT STREET	STATE OF NEW HAMPSHIRE BRITT ECKSTROM No. 12048 LICENSED PROFESSIONAL ENGINEER 3-21-2025	

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



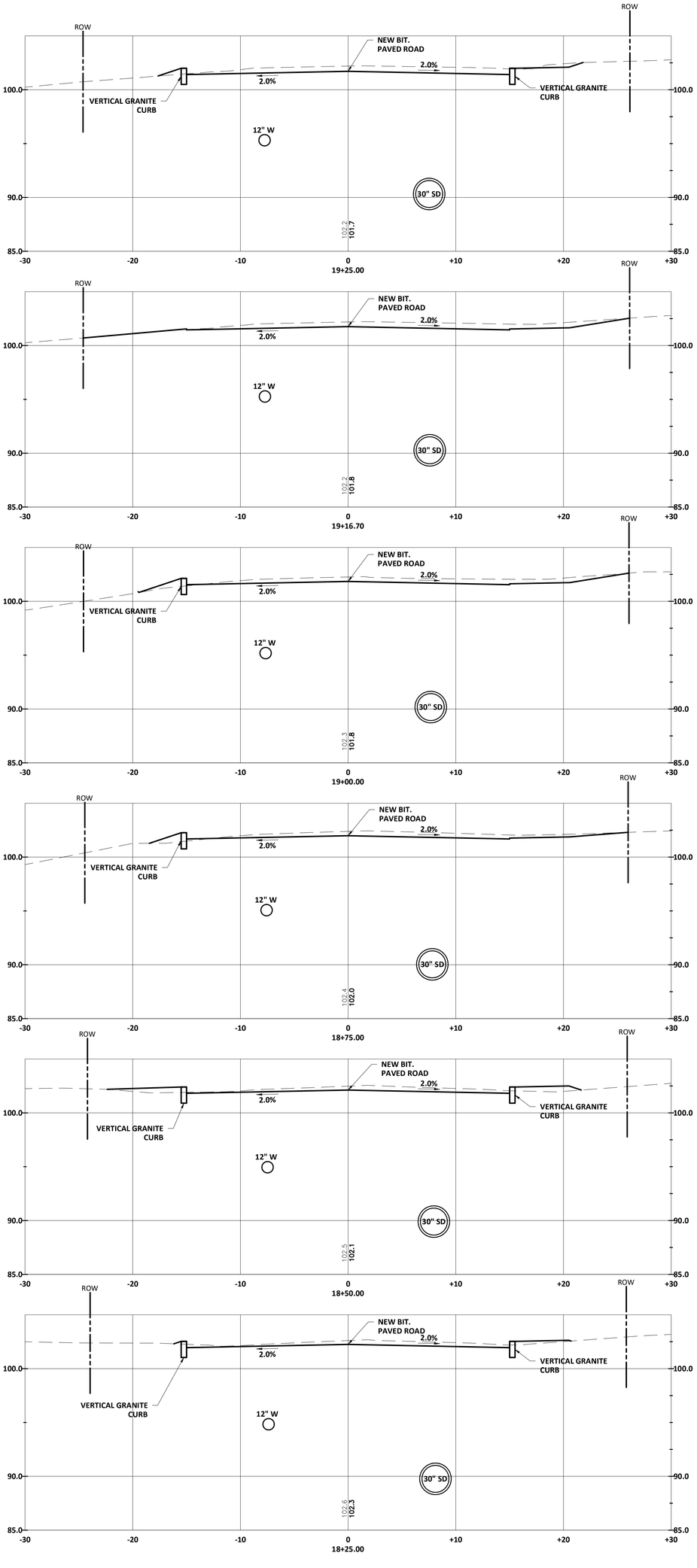
DRAWING C-46	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT CROSS SECTIONS: COURT STREET	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	STATE OF NEW HAMPSHIRE BRITT ECKSTROM No. 12048 PROFESSIONAL ENGINEER 3-21-2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

STATE OF NEW HAMPSHIRE — BRITT ECKSTROM No. 12048 — LICENSED PROFESSIONAL ENGINEER — 3-21-2025

DRAWING C-47

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

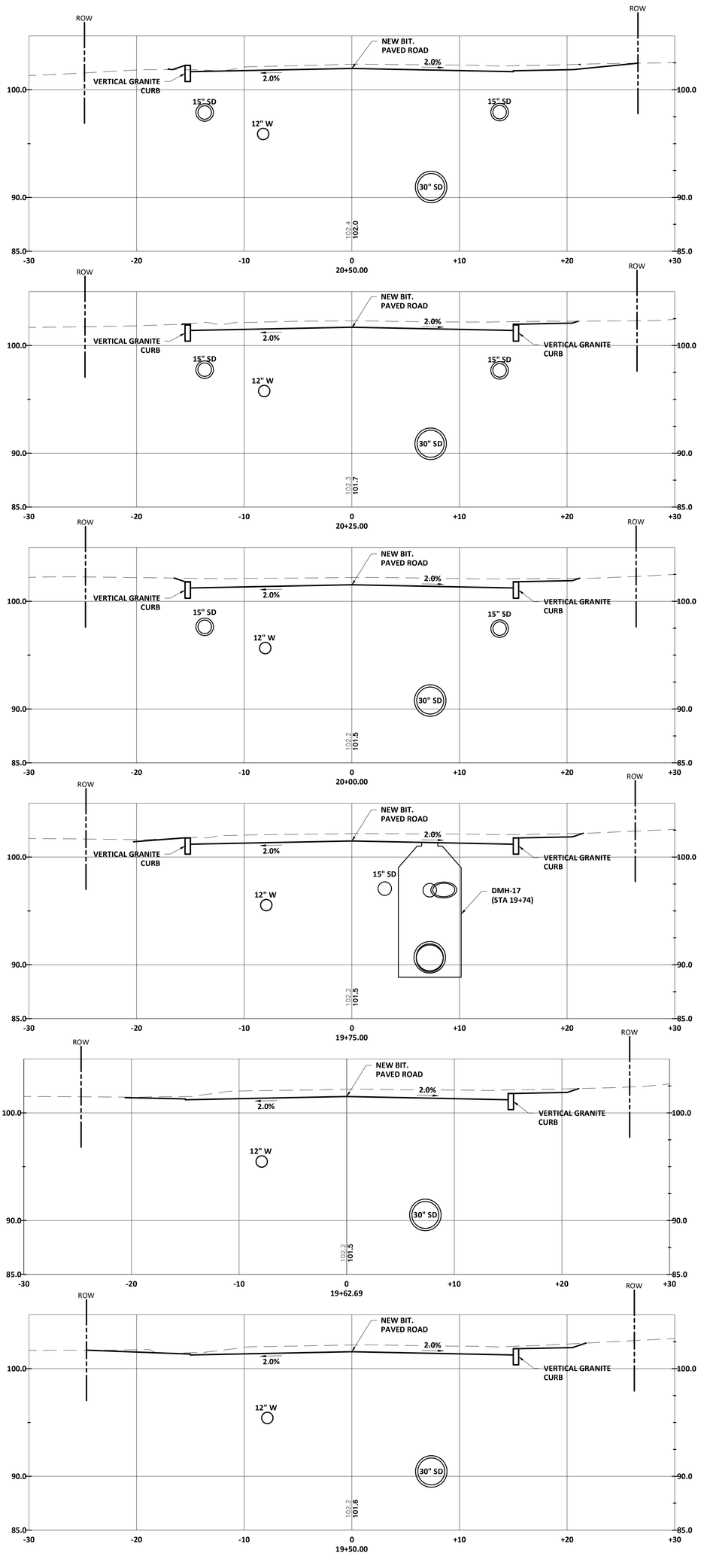
CROSS SECTIONS:
COURT STREET

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



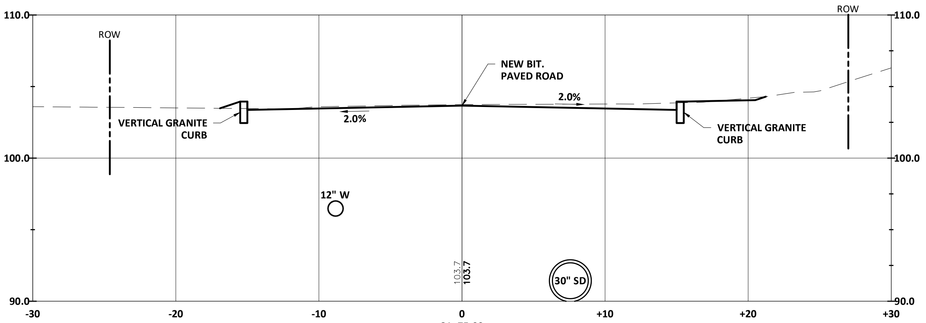
DRAWING C-48	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT CROSS SECTIONS: COURT STREET	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	BRITT ECKSTROM No. 12048 STATE OF NEW HAMPSHIRE PROFESSIONAL ENGINEER 3/21/2025

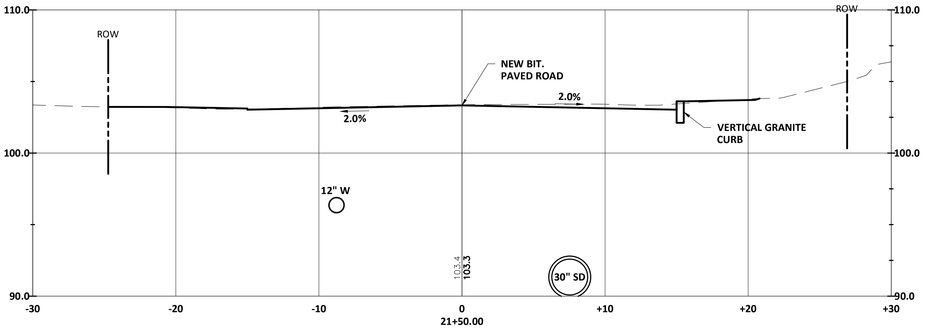
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

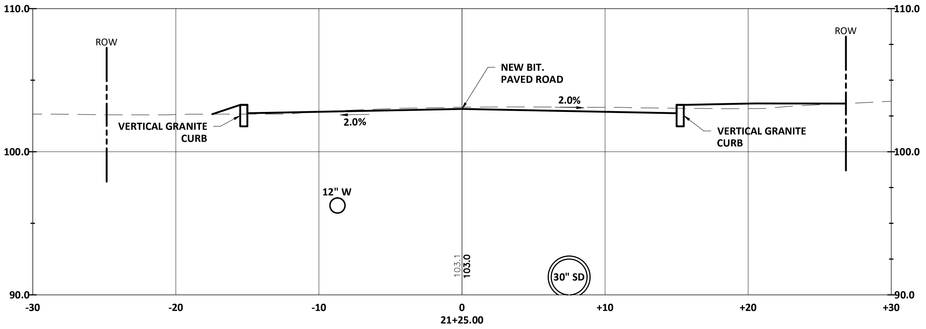
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

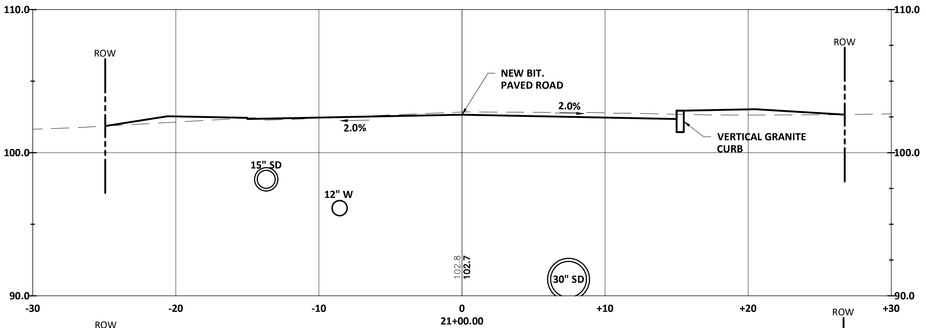
CROSS SECTIONS

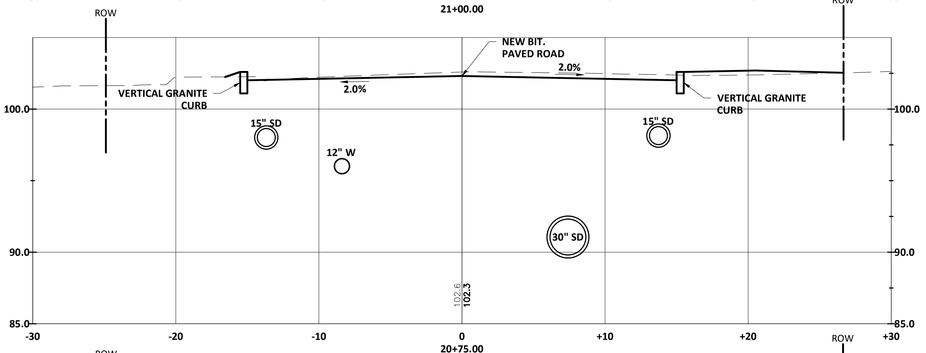
SCALE: 1"=5'

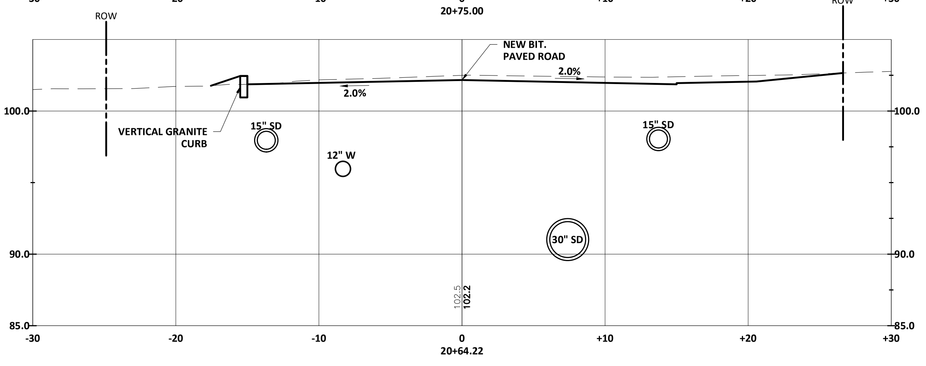












DRAWING C-49

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

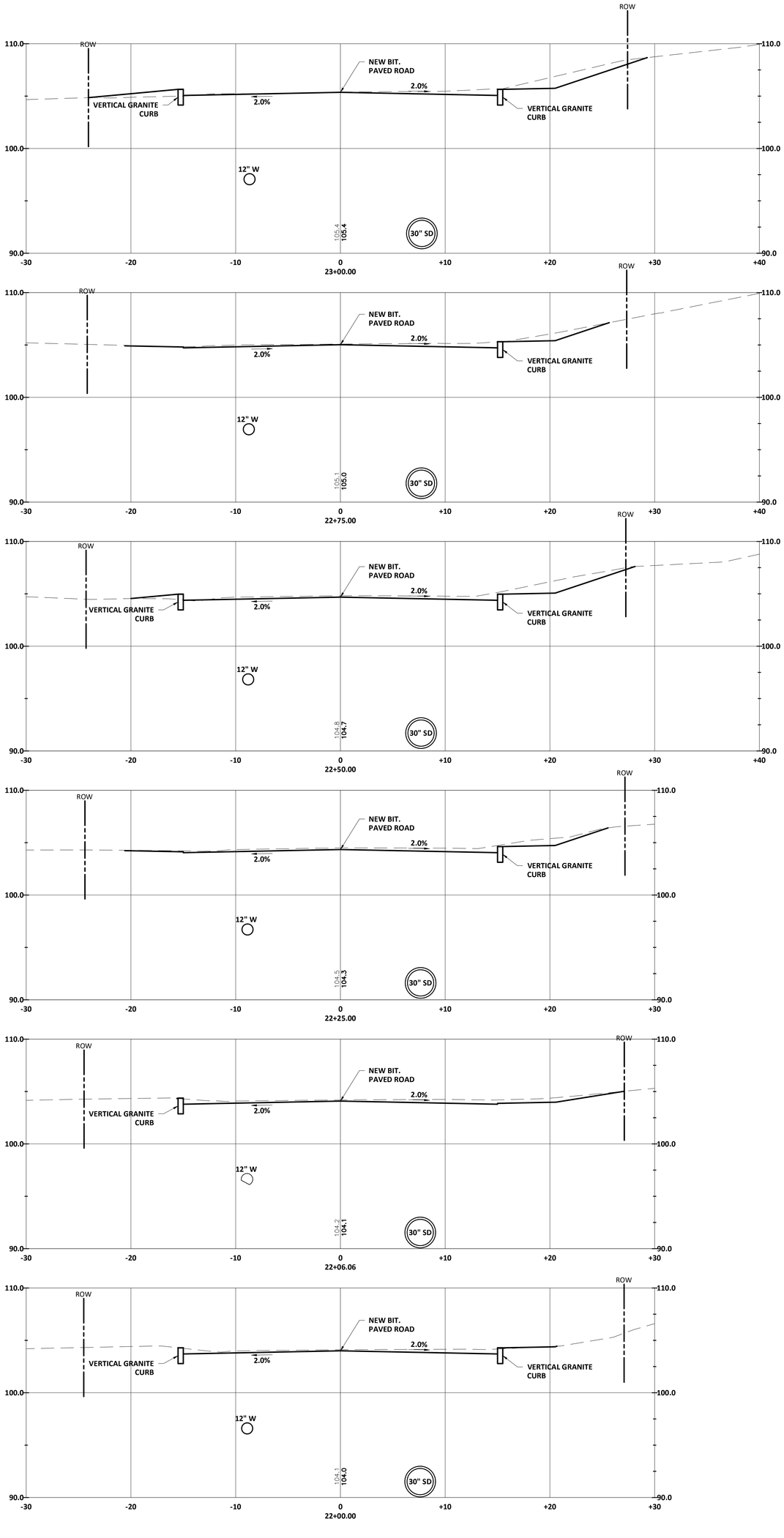
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3-21-2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

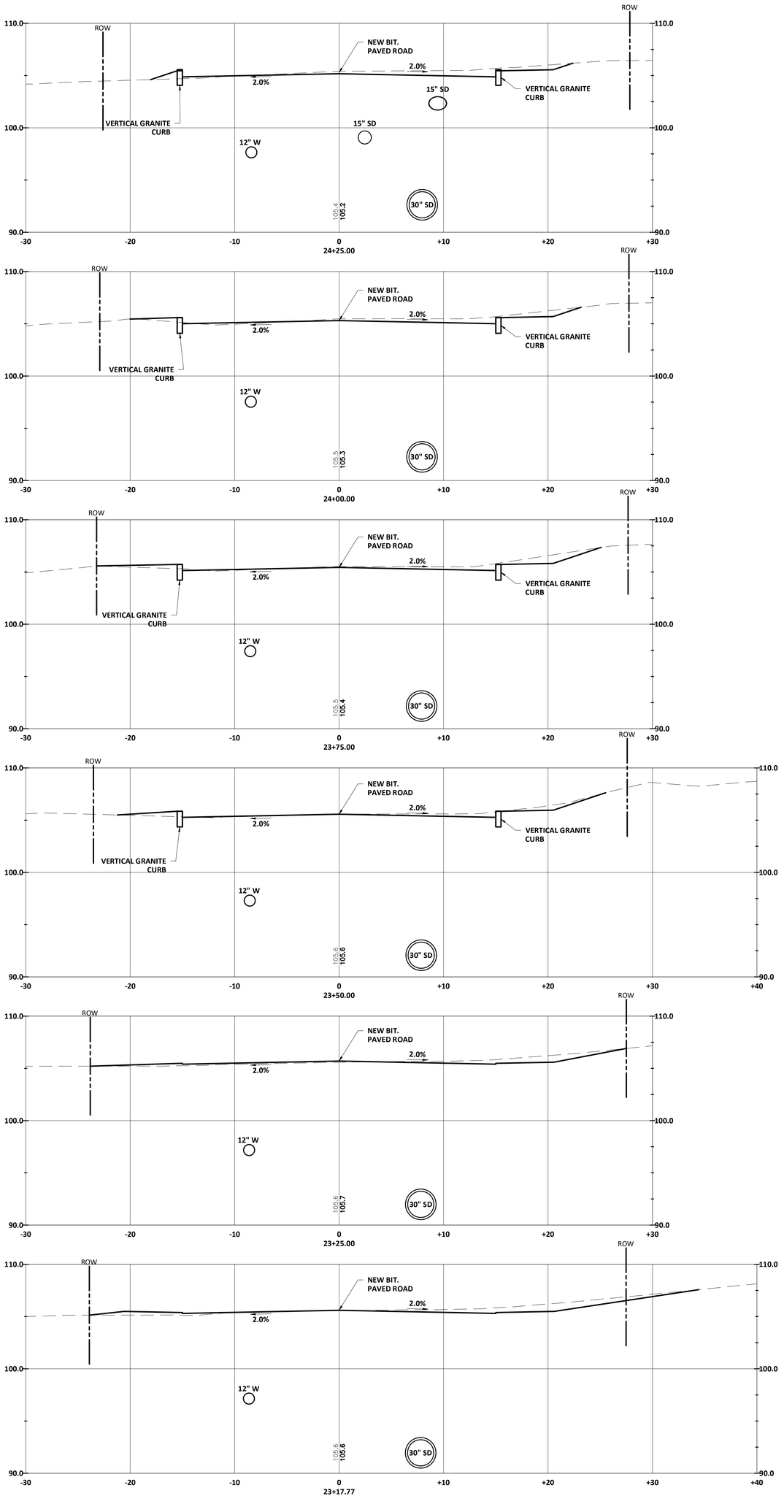
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3-21-2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

DRAWING C-51

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

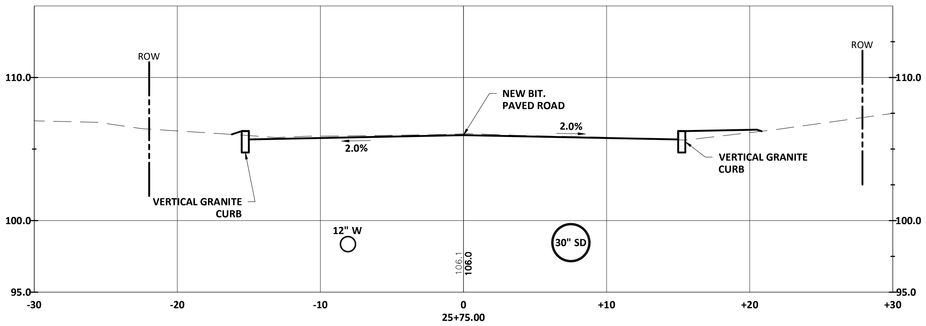
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3-21-2025

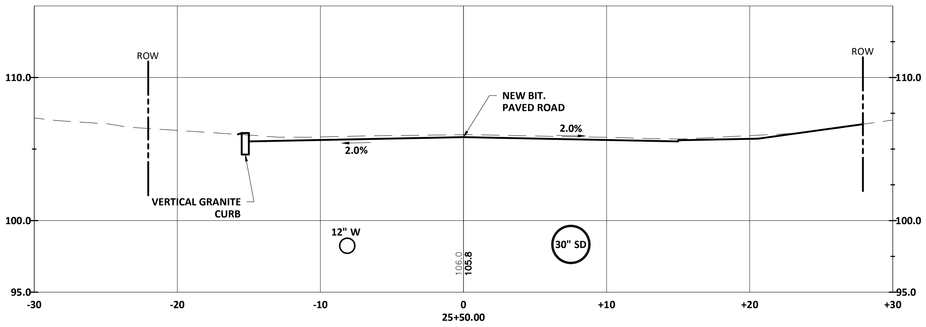
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

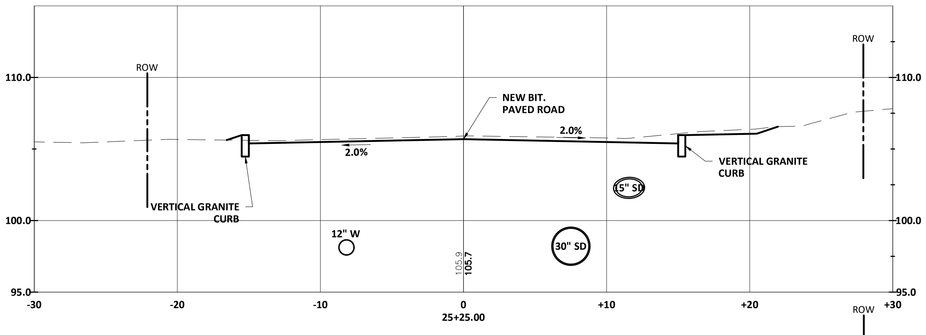
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

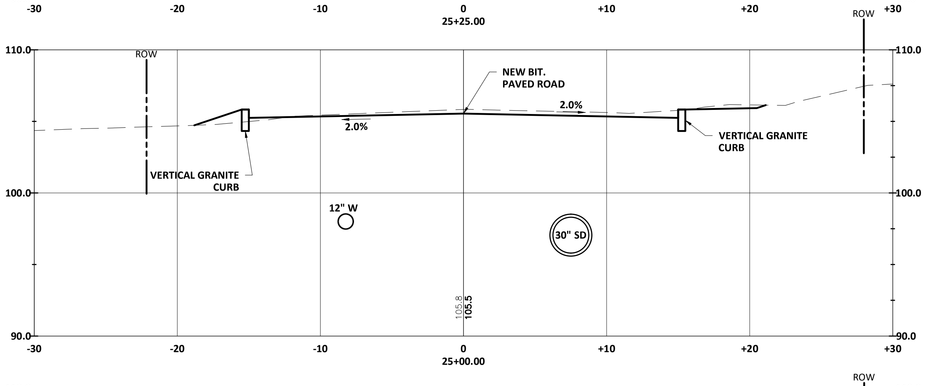
CROSS SECTIONS

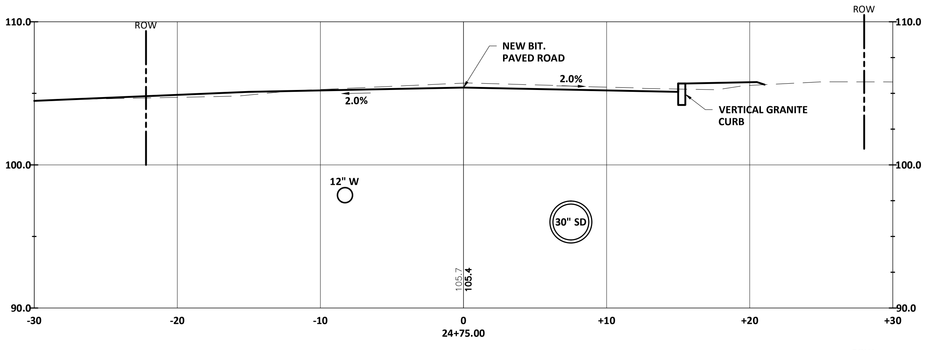
SCALE: 1"=5'

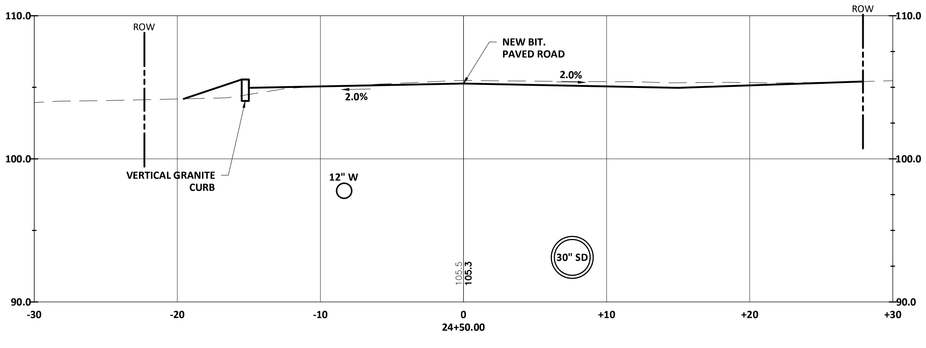












DRAWING C-52

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

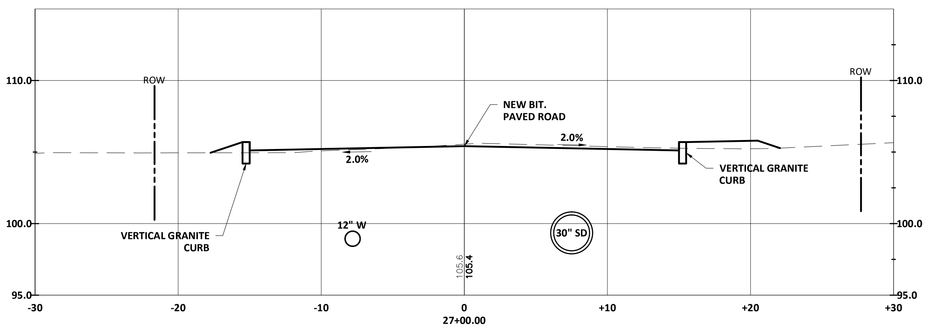
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3-21-2025

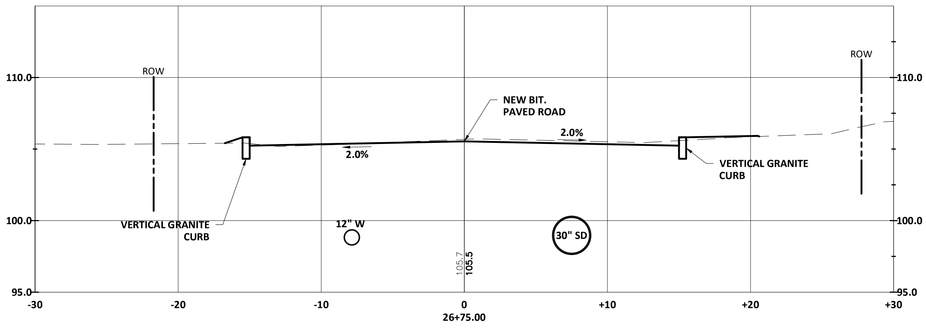
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

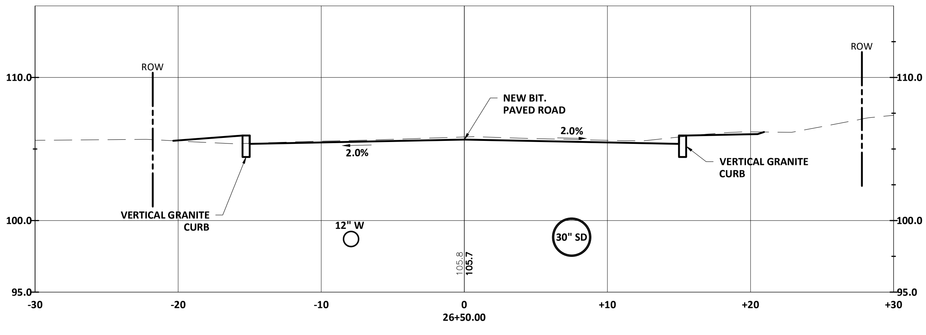
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

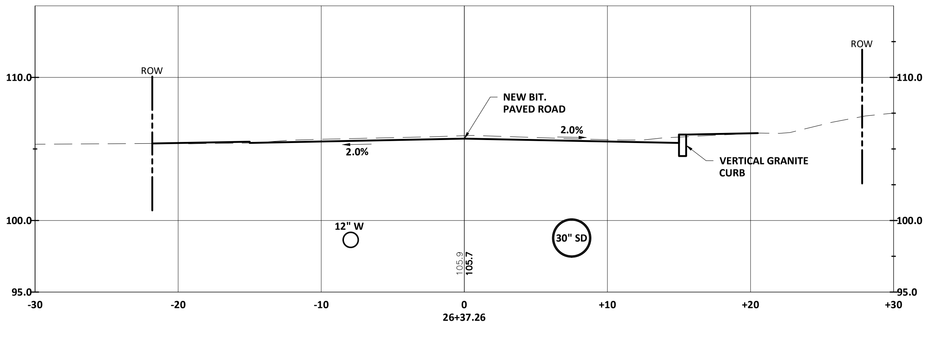
CROSS SECTIONS

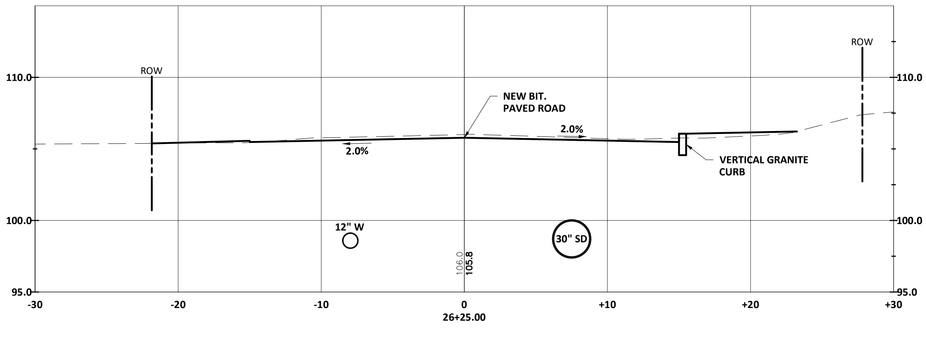
SCALE: 1"=5'

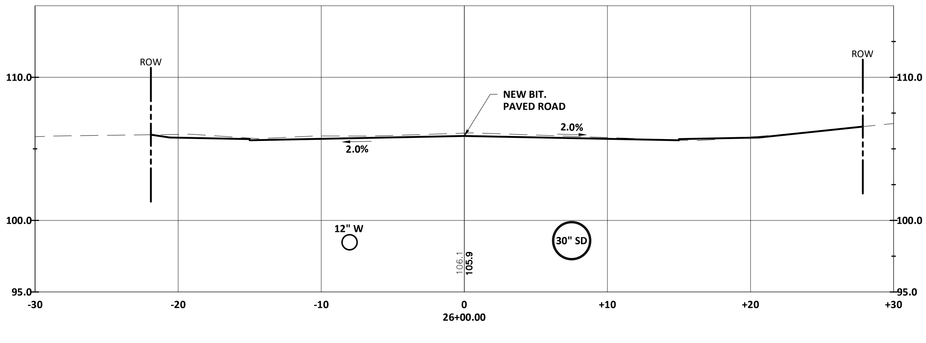












DRAWING C-53

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

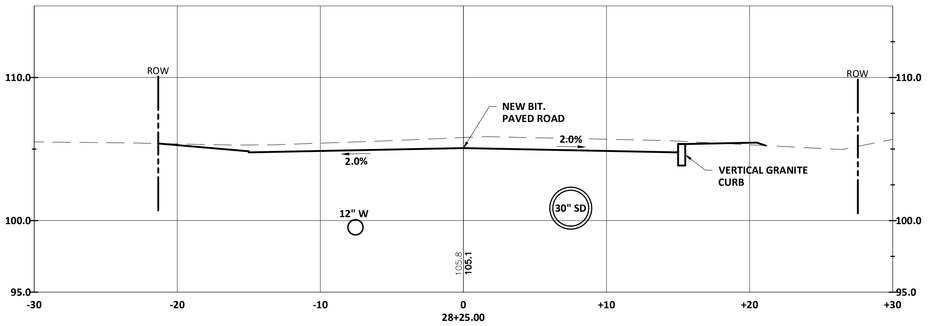
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3-21-2025

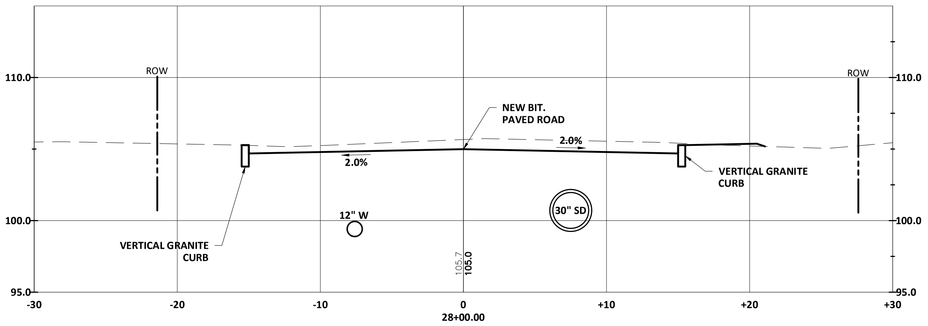
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

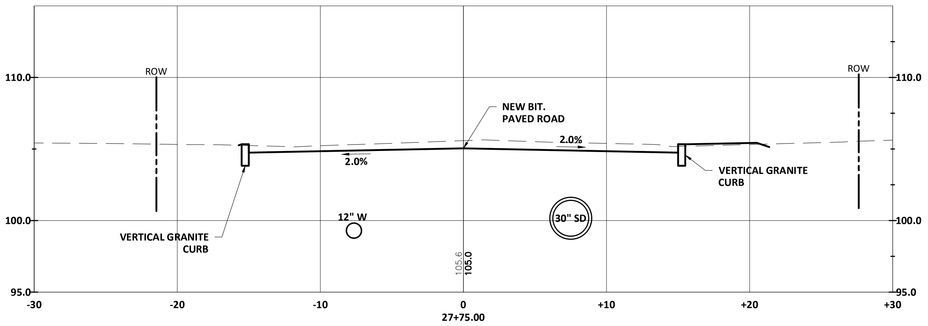
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

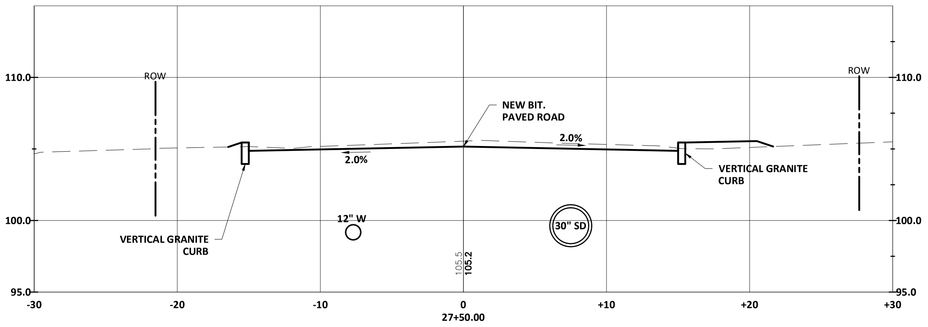
CROSS SECTIONS

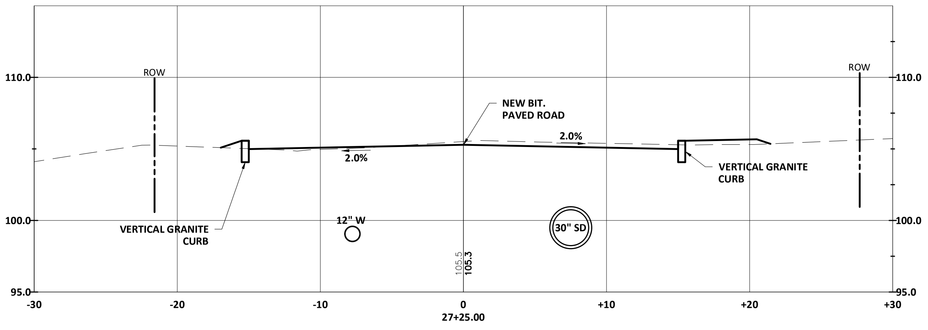
SCALE: 1"=5'

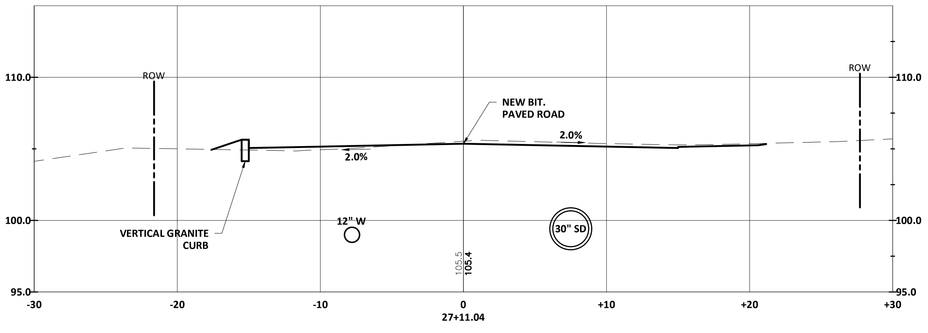












DRAWING C-54

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

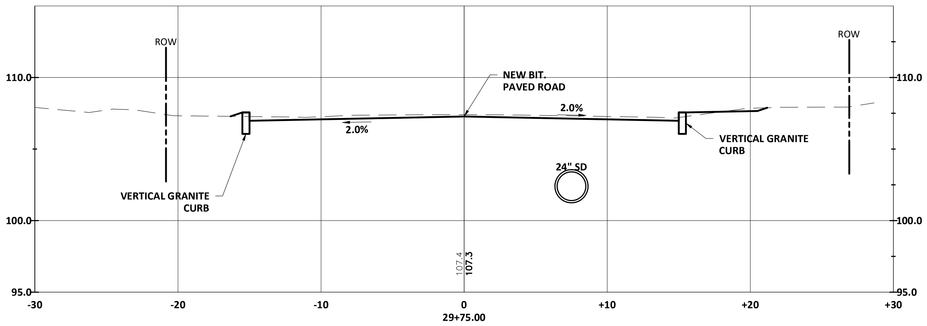
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3/21/2025

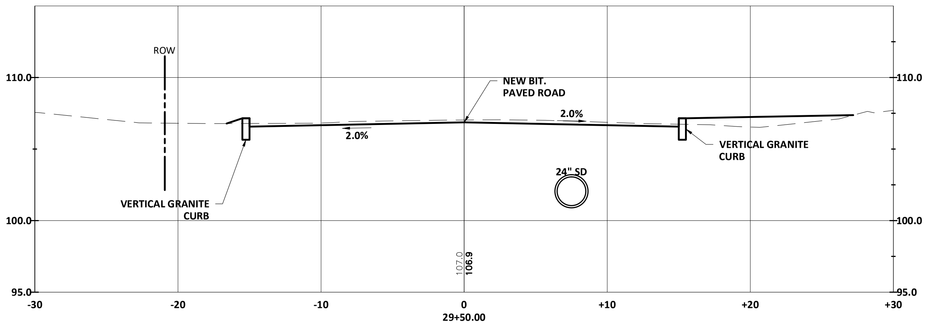
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

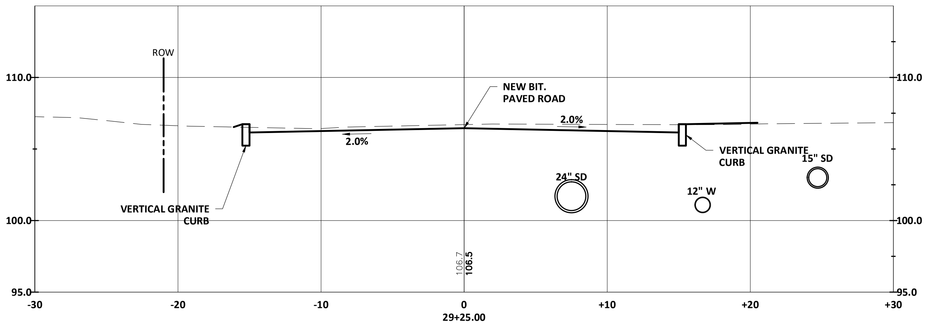
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

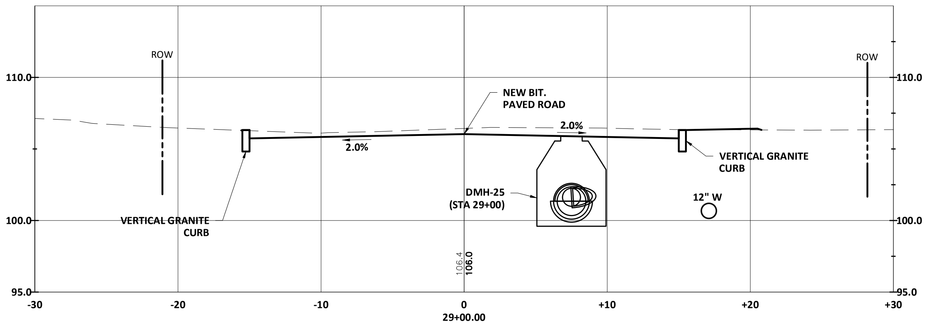
CROSS SECTIONS

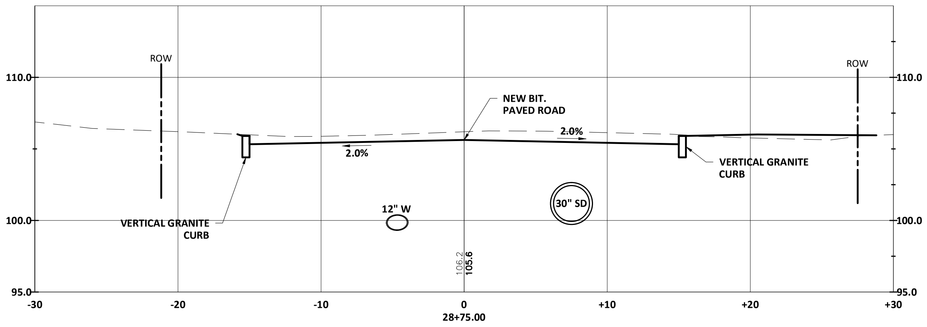
SCALE: 1"=5'

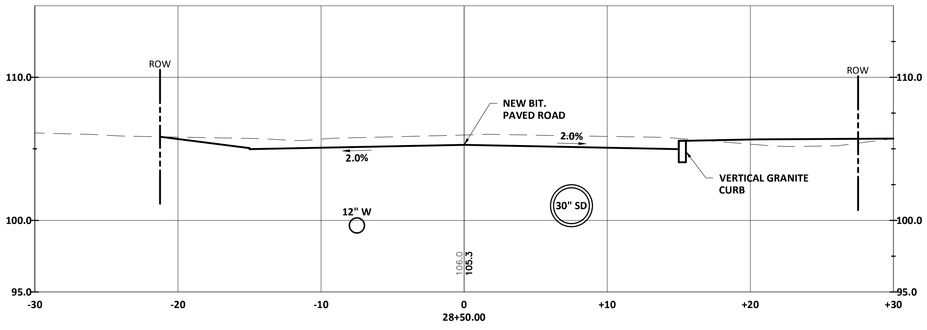












DRAWING C-55

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

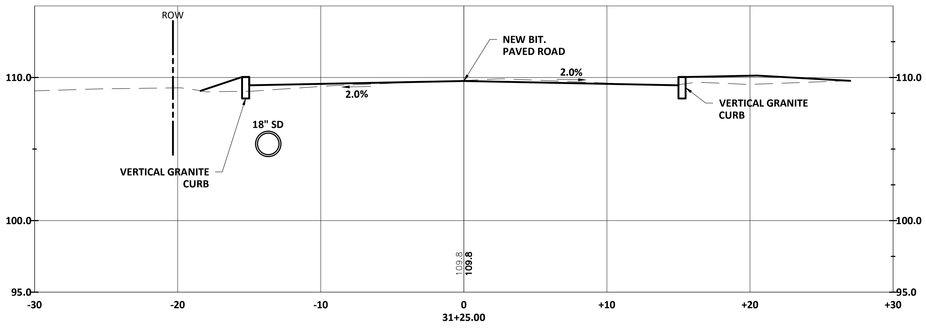
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3/21/2025

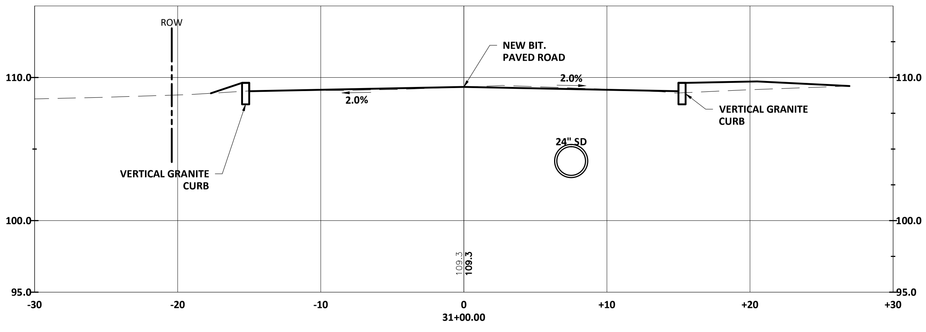
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

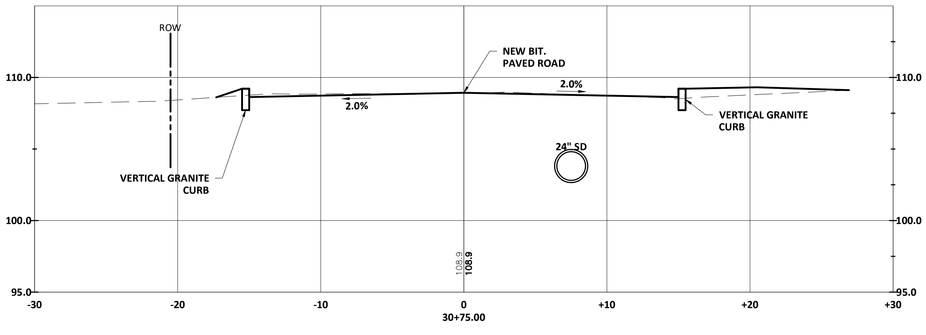
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

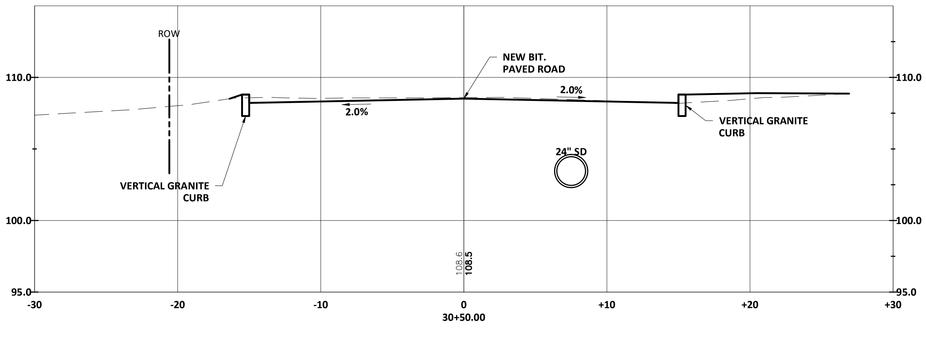
CROSS SECTIONS

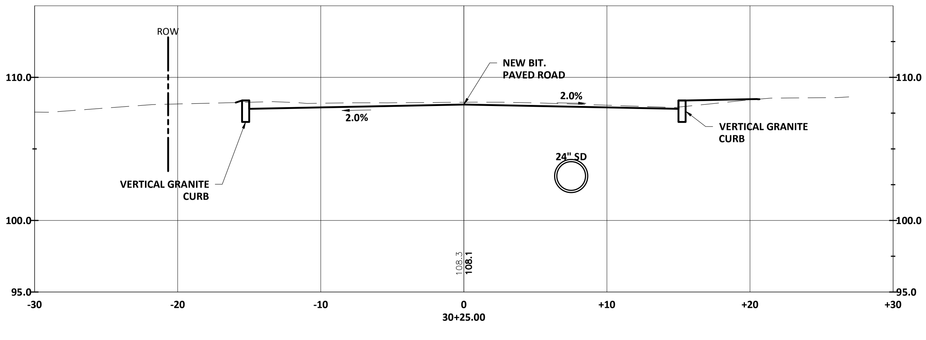
SCALE: 1"=5'

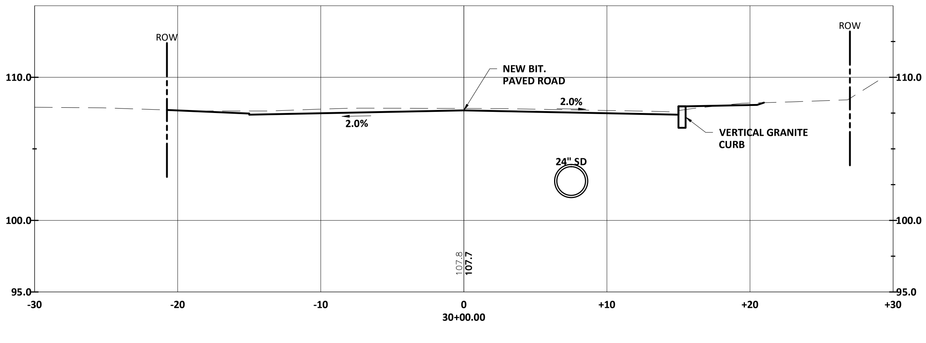












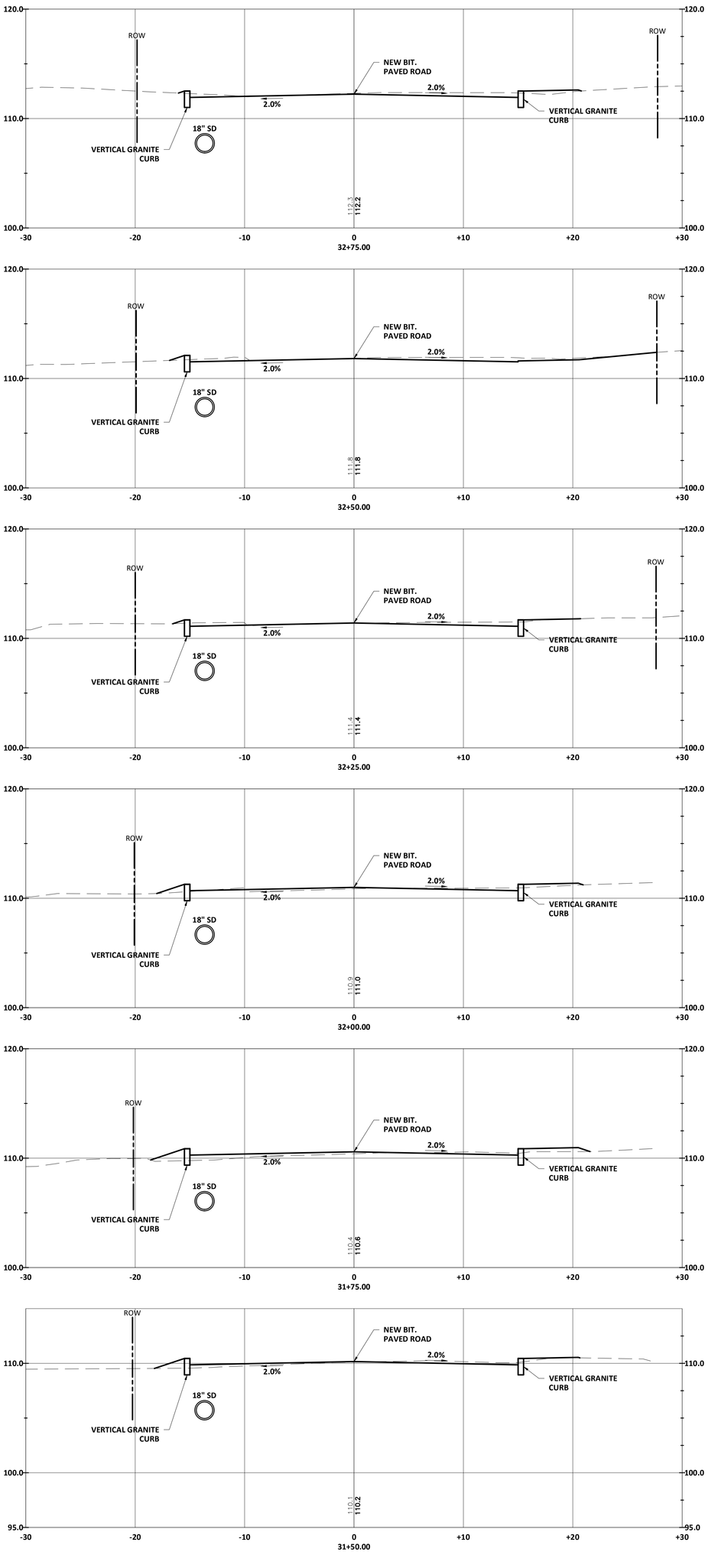
DRAWING C-56	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT CROSS SECTIONS: COURT STREET	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	STATE OF NEW HAMPSHIRE BRITT ECKSTROM No. 12048 PROFESSIONAL ENGINEER 3/21/2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



DRAWING C-57	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT CROSS SECTIONS: COURT STREET	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

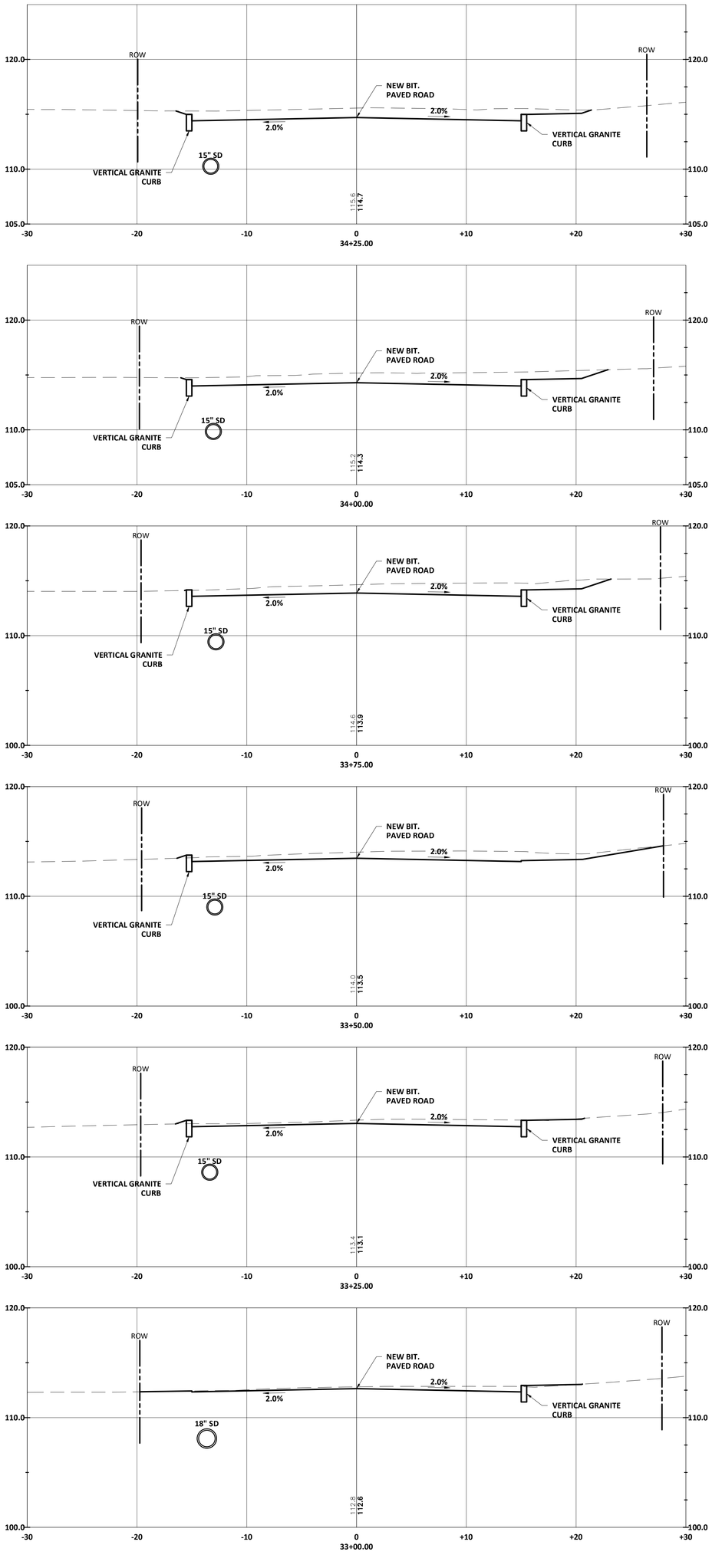
BRITT ECKSTROM No. 12048 — STATE OF NEW HAMPSHIRE — PROFESSIONAL ENGINEER — 3/21/2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

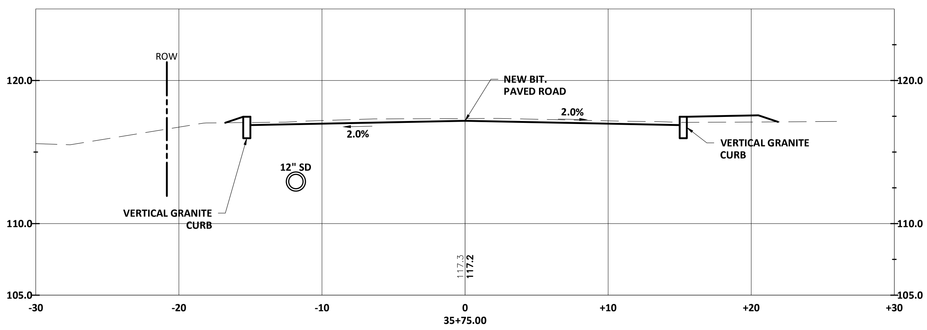
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3/21/2025

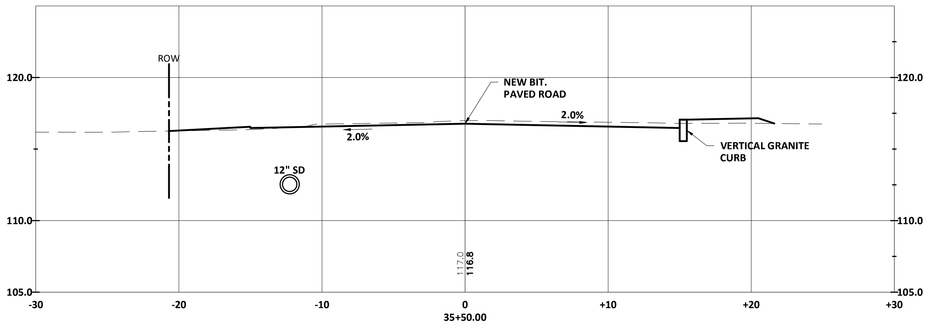
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

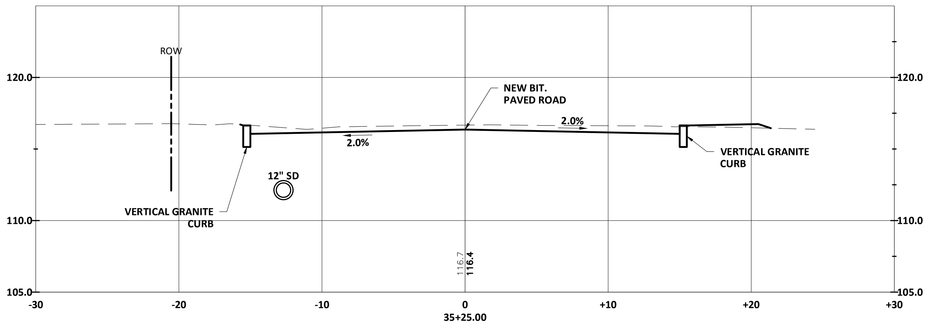
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

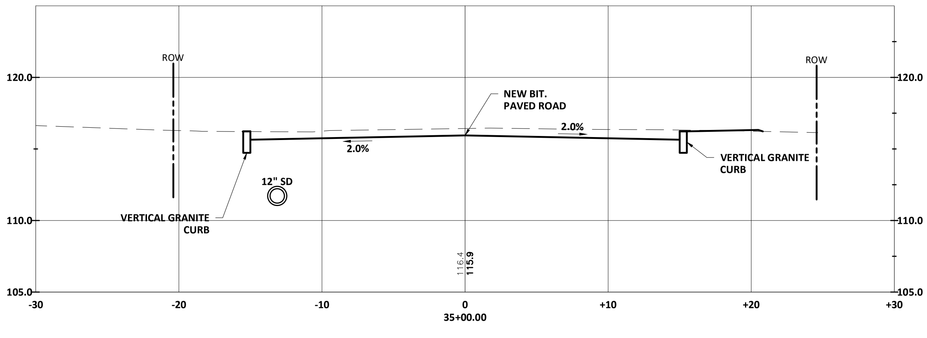
CROSS SECTIONS

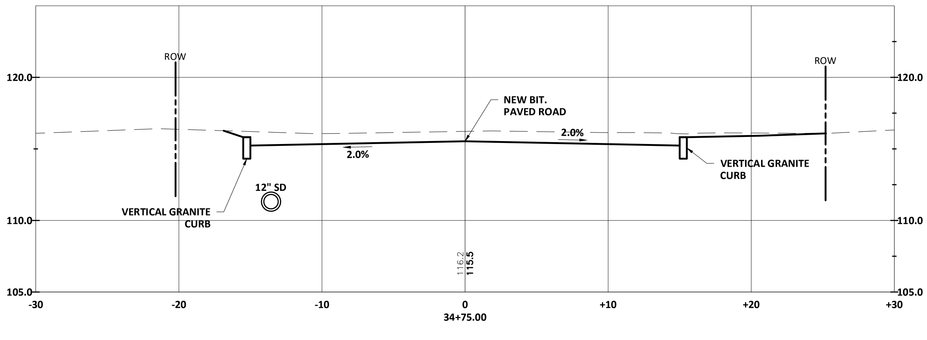
SCALE: 1"=5'

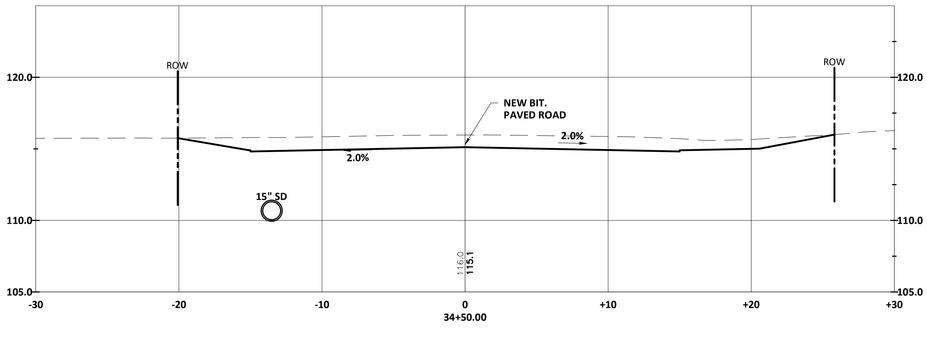












DRAWING C-59

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

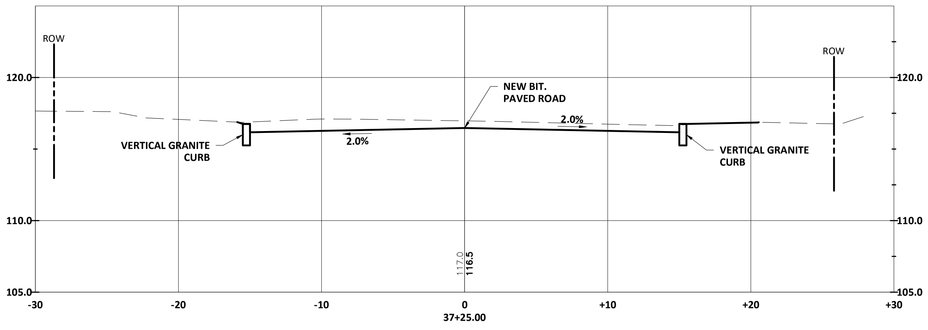
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3/21/2025

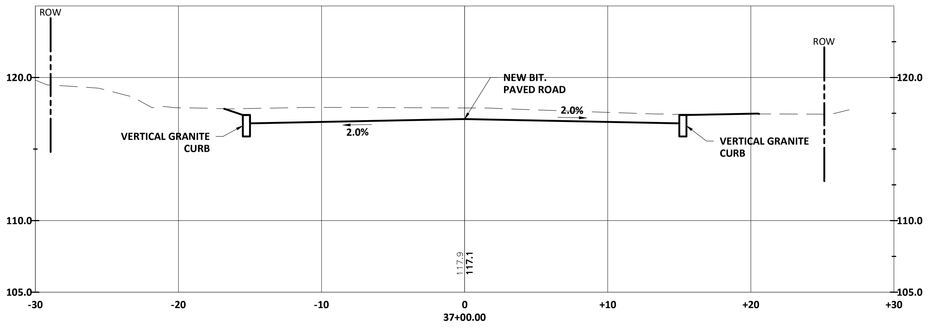
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

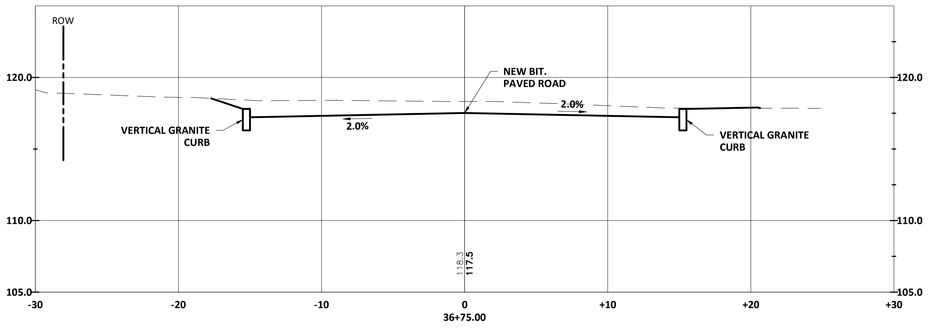
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

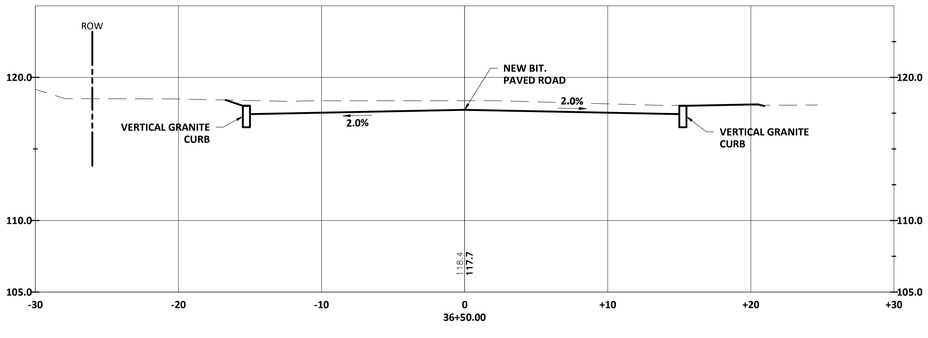
CROSS SECTIONS

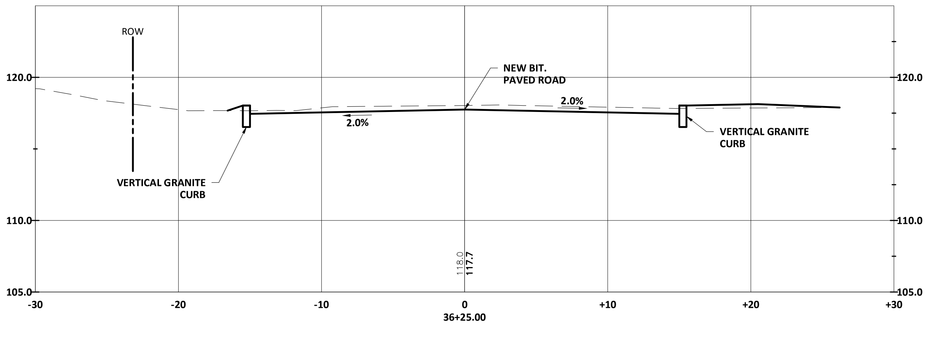
SCALE: 1"=5'

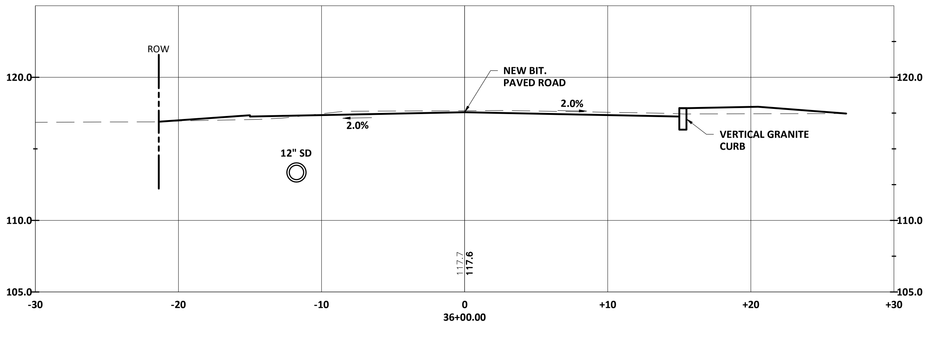












DRAWING C-60

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

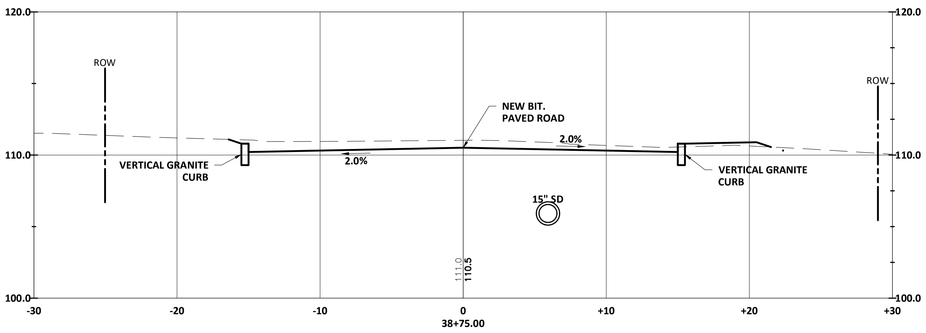
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3-21-2025

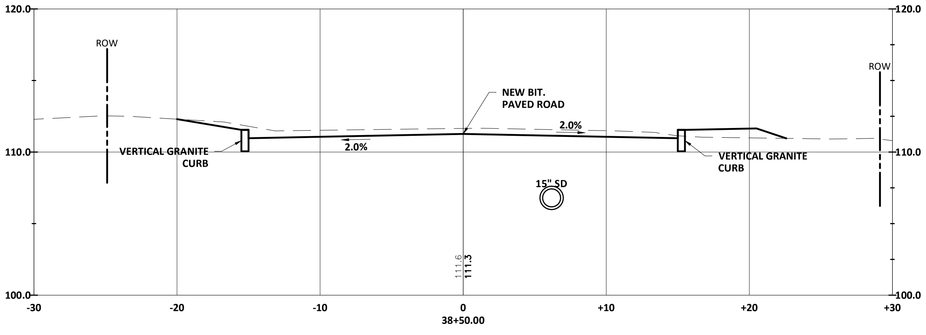
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

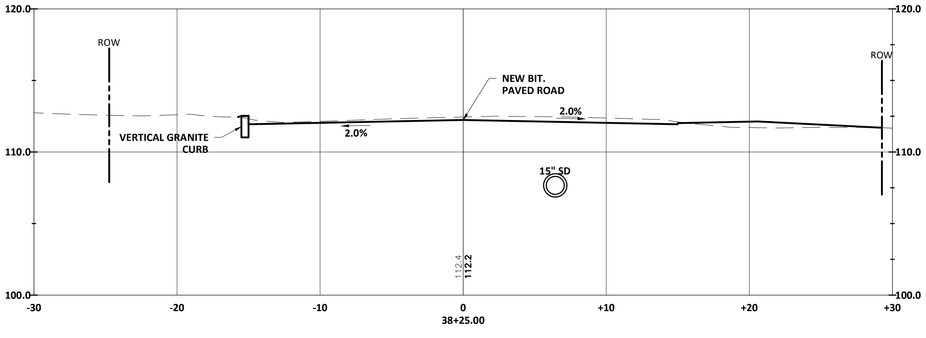
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

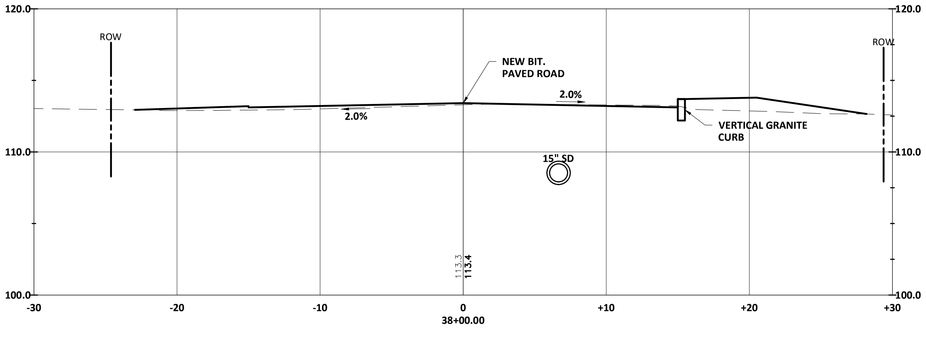
CROSS SECTIONS

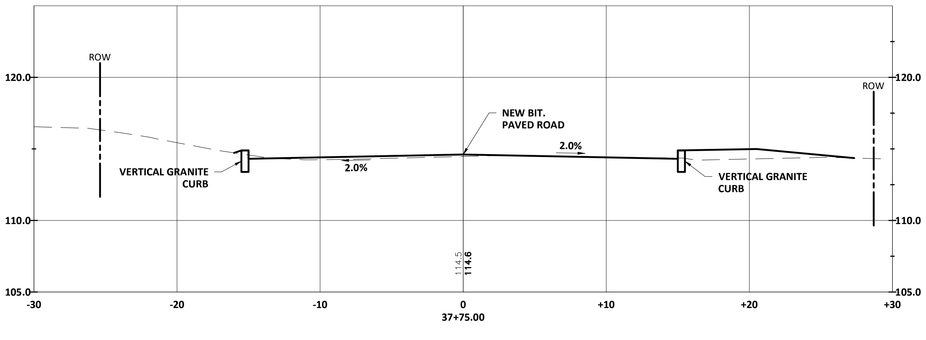
SCALE: 1"=5'

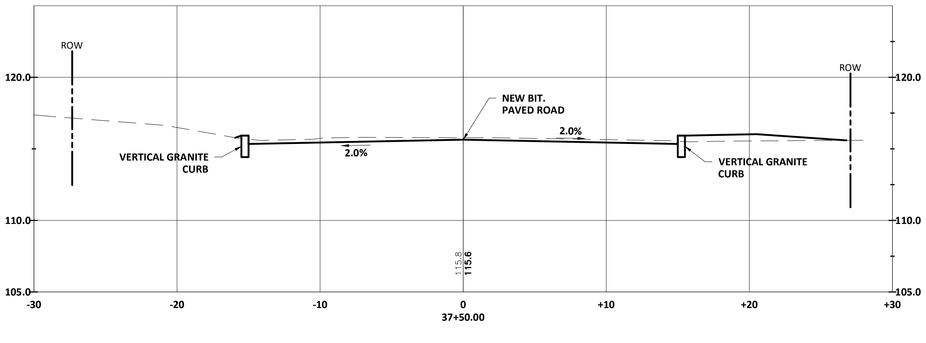












DRAWING C-61

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

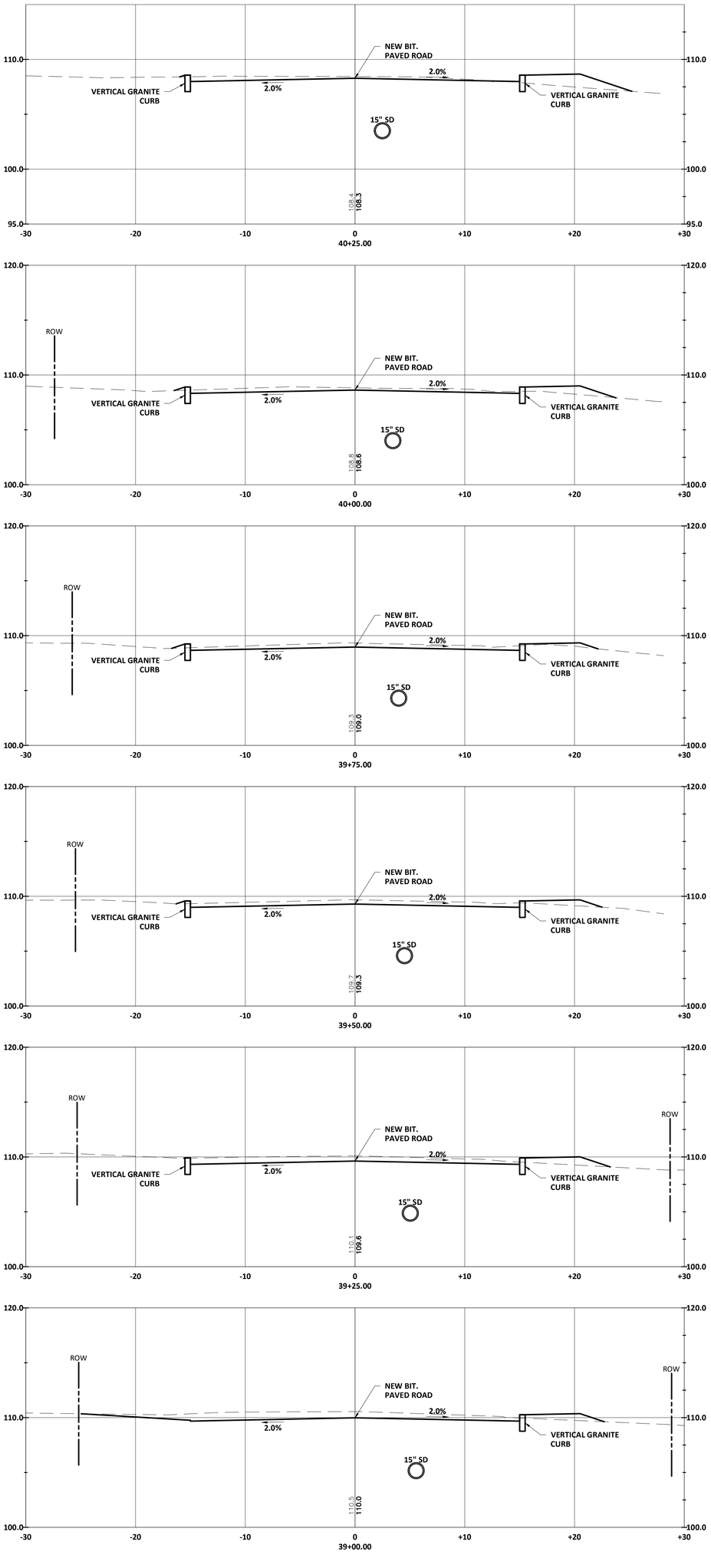
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3/21/2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



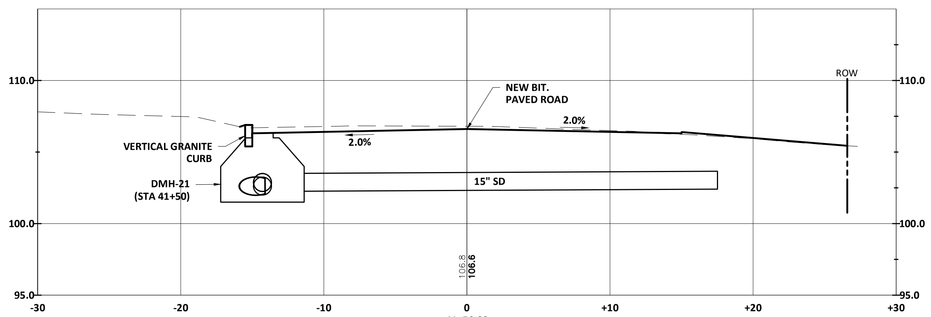
DRAWING C-62	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT CROSS SECTIONS: COURT STREET	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	STATE OF NEW HAMPSHIRE BRITT ECKSTROM No. 12048 PROFESSIONAL ENGINEER 3/21/2025

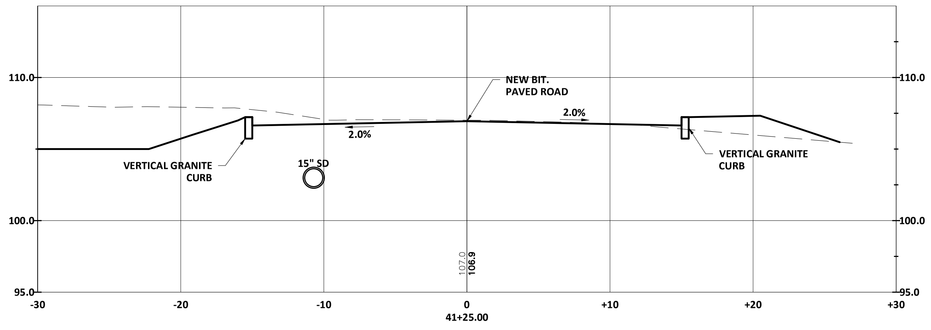
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

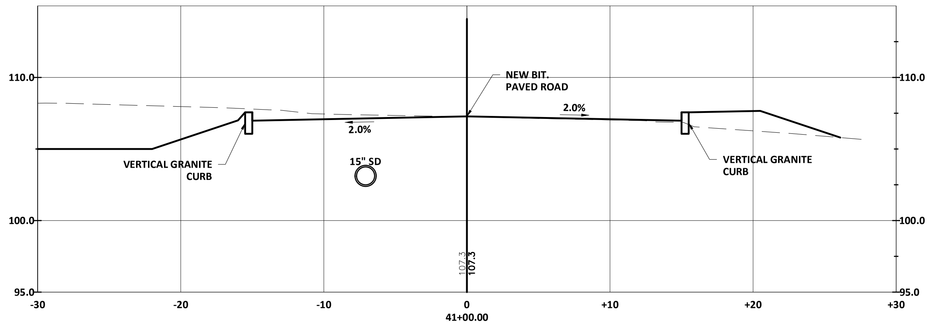
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

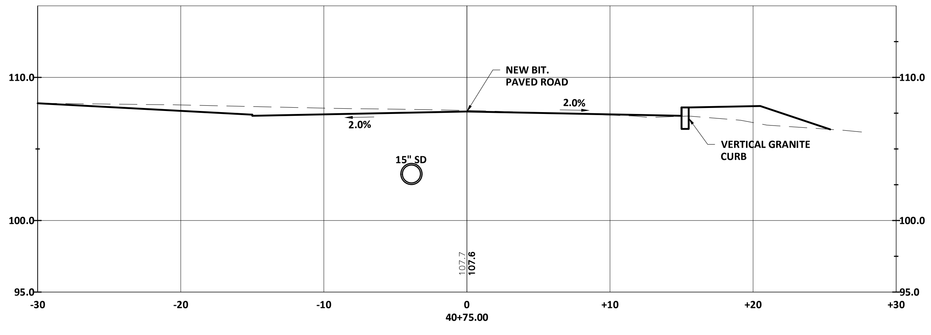
CROSS SECTIONS

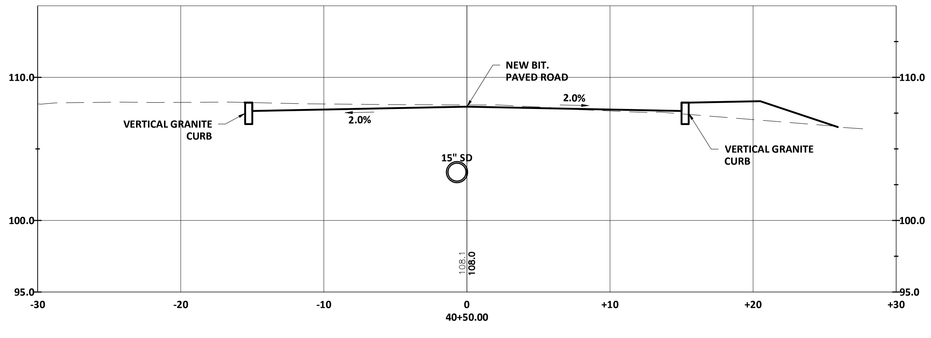
SCALE: 1"=5'

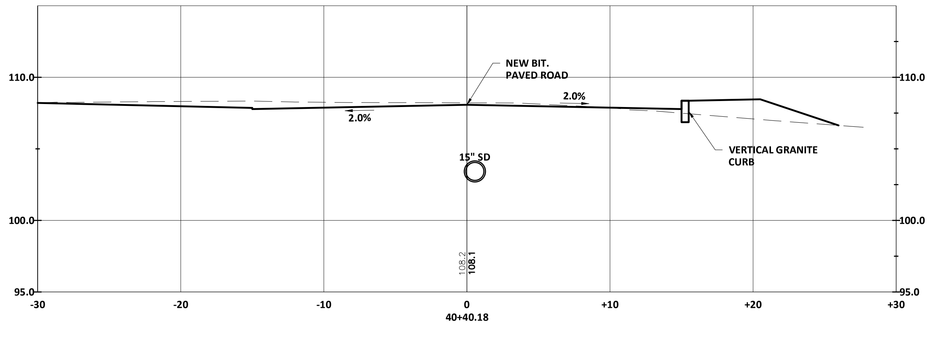












DRAWING C-63

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

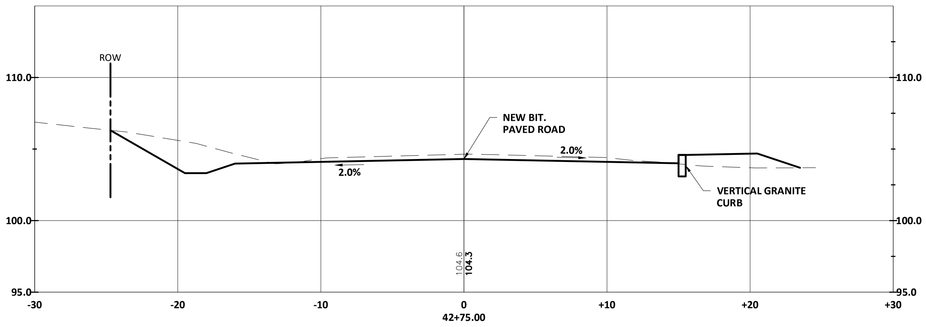
STATE OF NEW HAMPSHIRE — BRITT ECKSTROM No. 12048 — LICENSED PROFESSIONAL ENGINEER — 3/21/2025

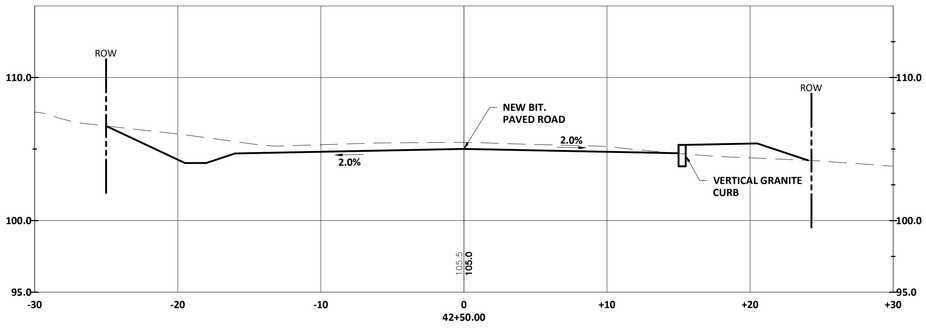
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

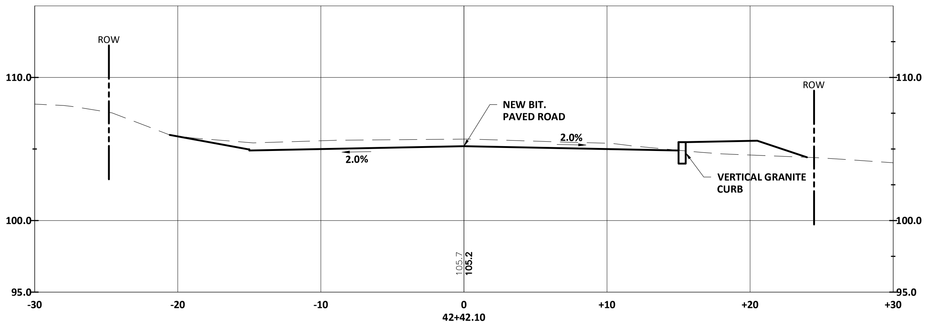
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

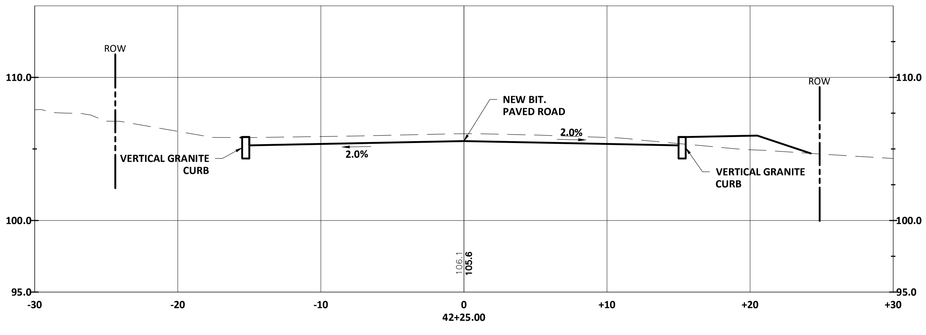
CROSS SECTIONS

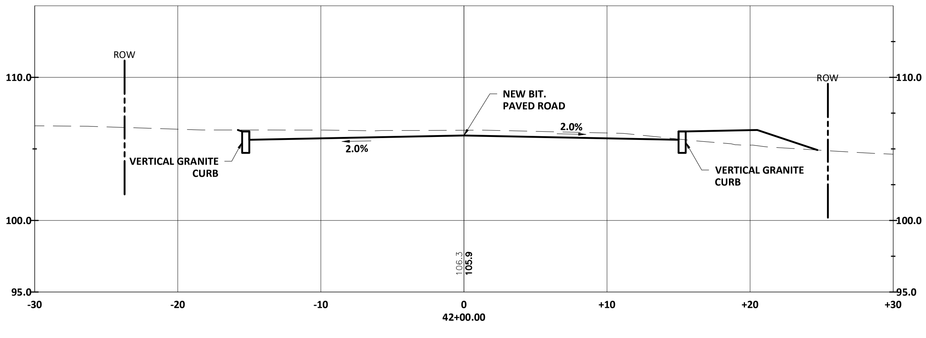
SCALE: 1"=5'

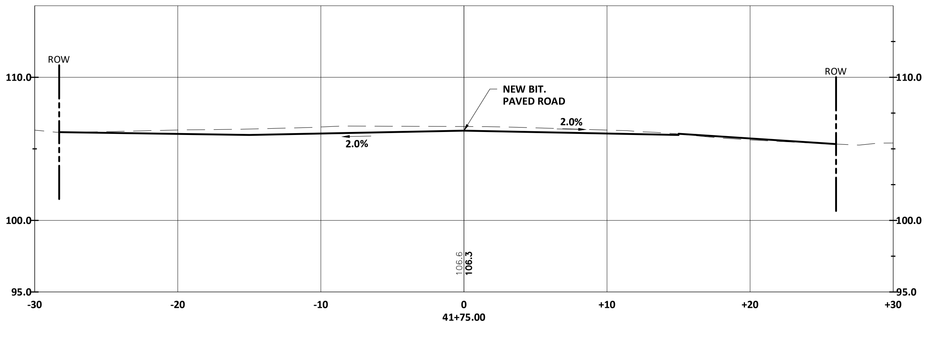












DRAWING C-64

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

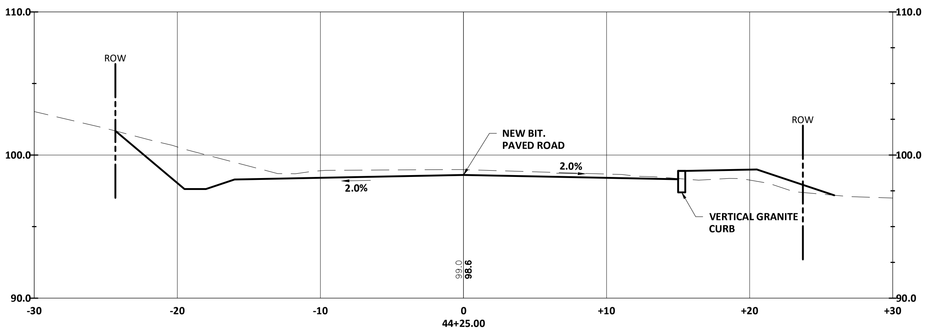
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3-21-2025

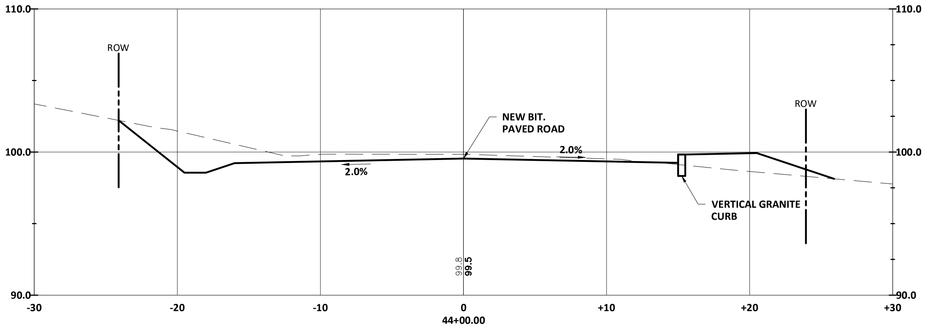
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

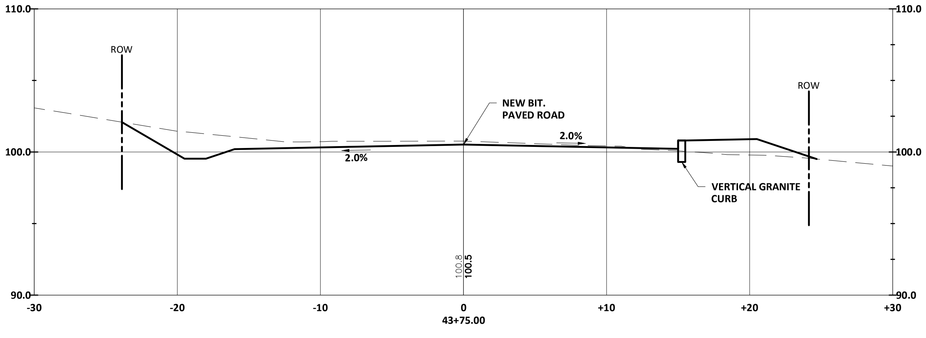
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

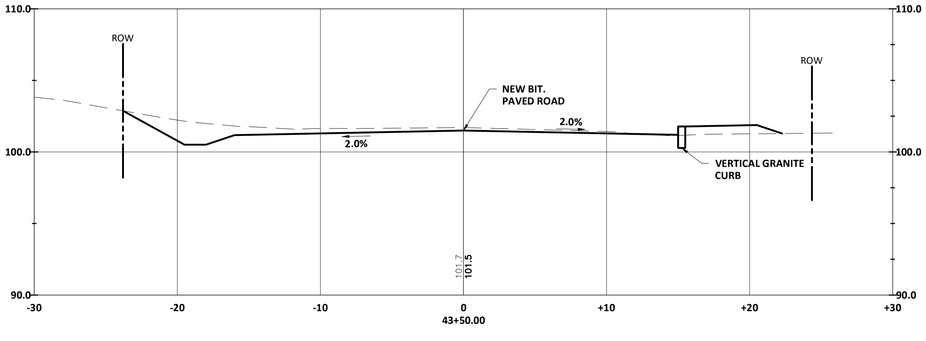
CROSS SECTIONS

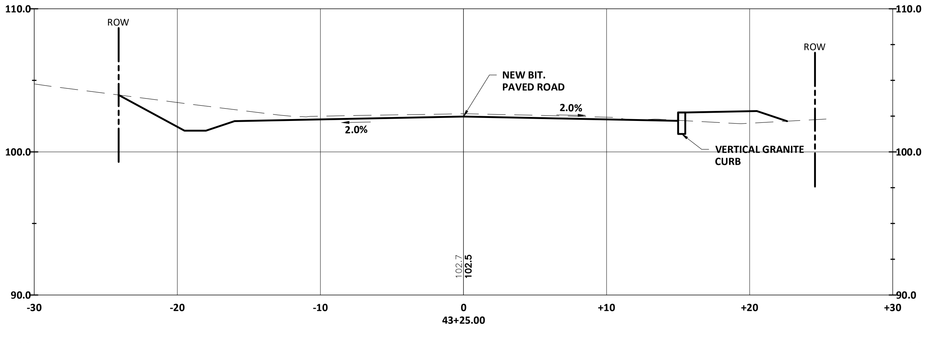
SCALE: 1"=5'

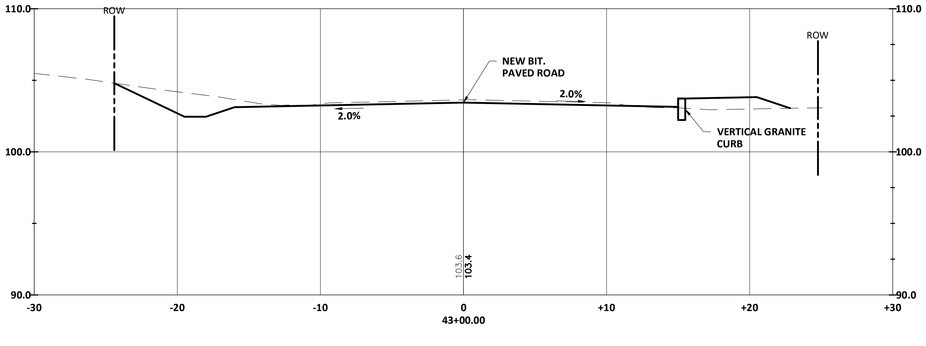












DRAWING C-65

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

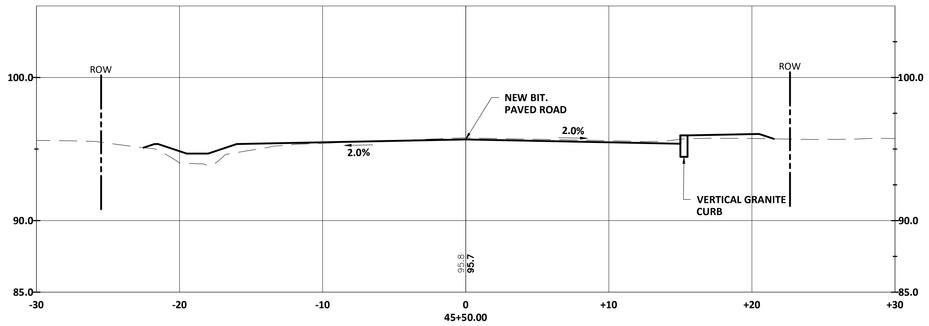
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED PROFESSIONAL ENGINEER
3/21/2025

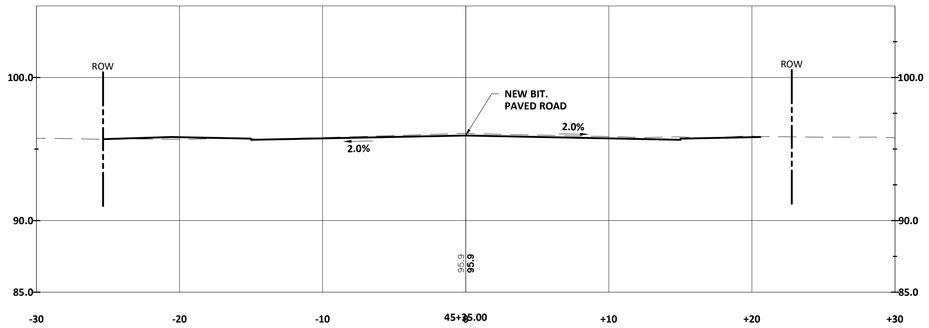
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

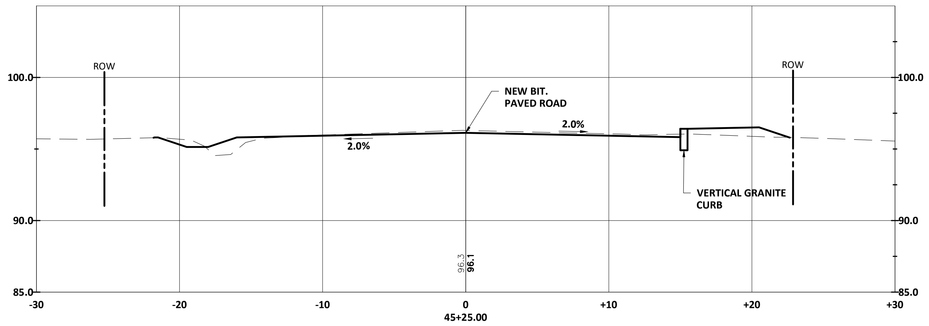
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

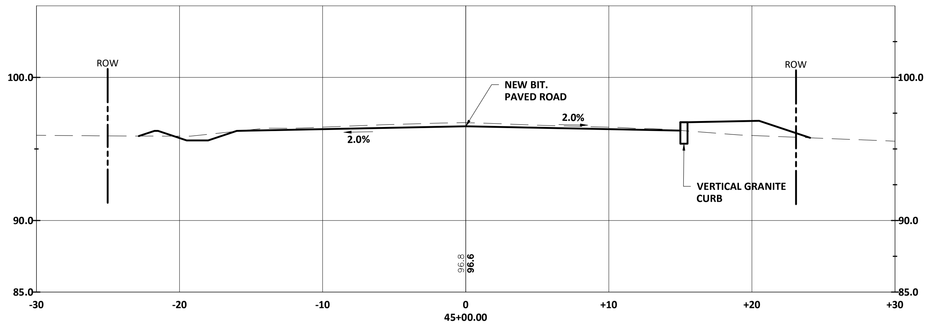
CROSS SECTIONS

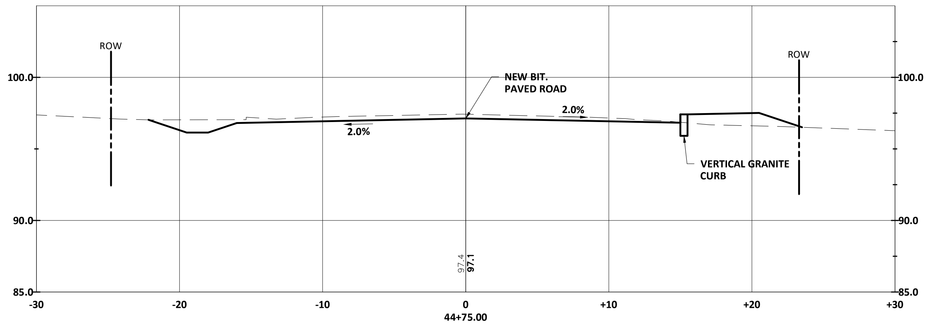
SCALE: 1"=5'

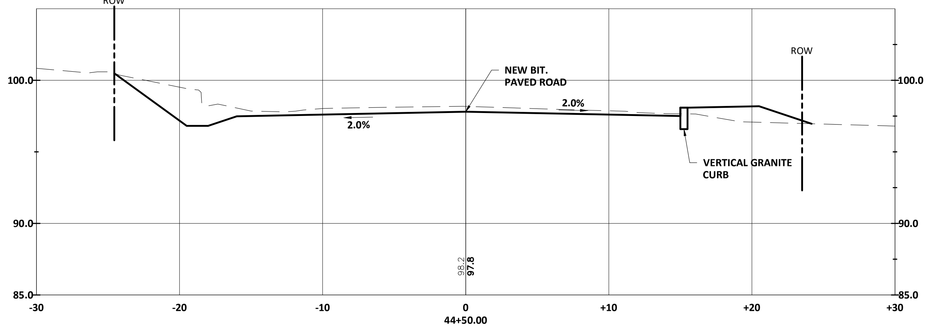












DRAWING C-66

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

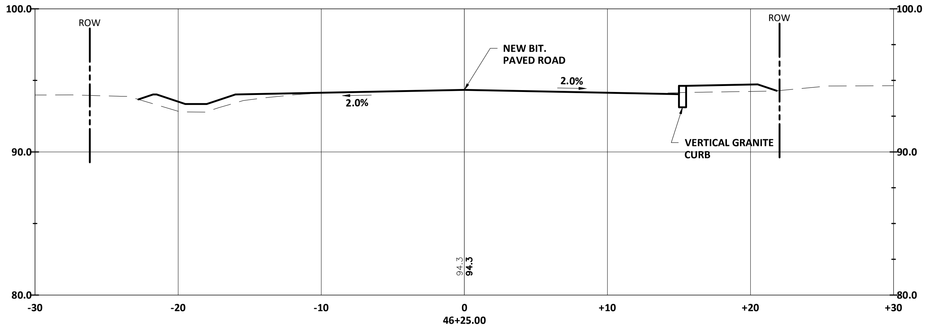
STATE OF NEW HAMPSHIRE — BRITT ECKSTROM No. 12048 — LICENSED PROFESSIONAL ENGINEER — 3/21/2025

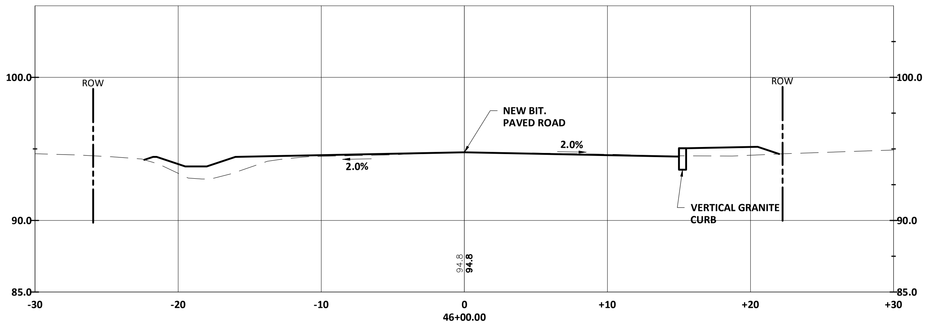
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

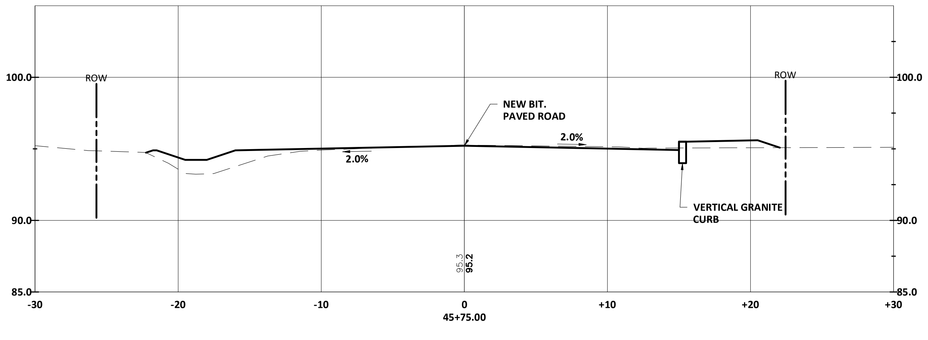
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'







DRAWING C-67

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
COURT STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

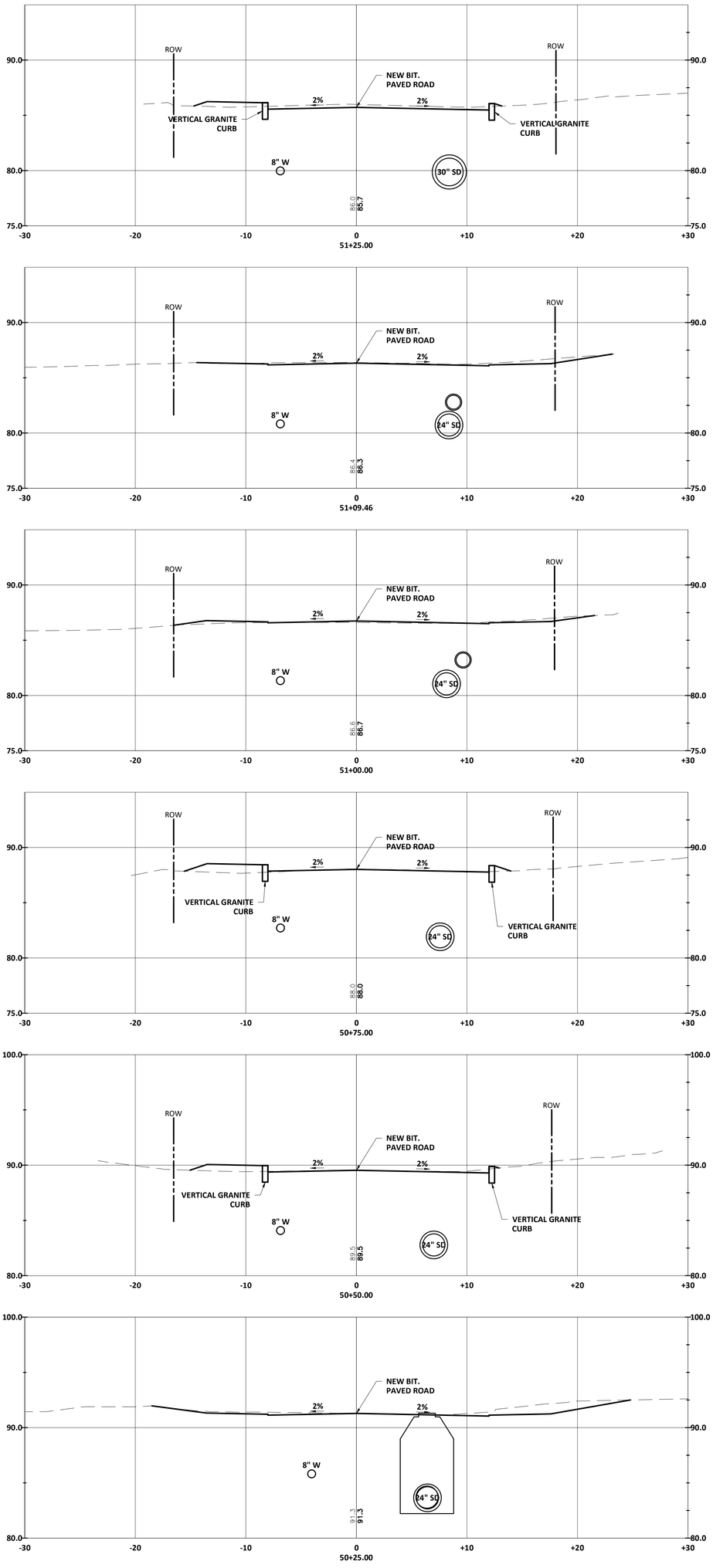
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3/21/2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'



DRAWING C-68	DOVER, NEW HAMPSHIRE COURT ST AND UNION ST RECONSTRUCTION PROJECT	WRIGHT-PIERCE (603) 403-3728 | www.wright-pierce.com 230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH	STATE OF NEW HAMPSHIRE BRITT ECKSTROM No. 12048 LICENSED PROFESSIONAL ENGINEER 3-21-2025

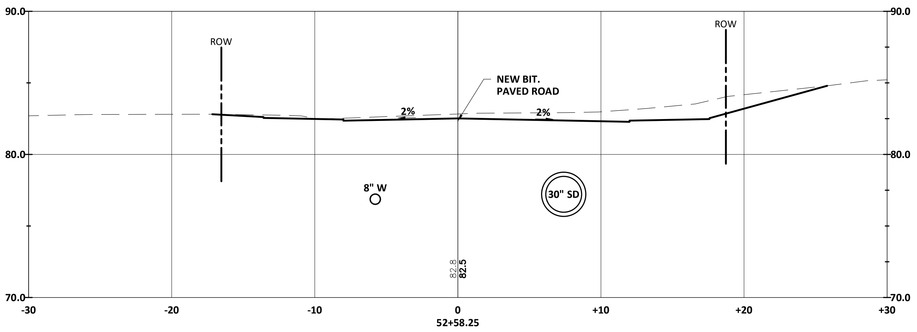
CROSS SECTIONS:
UNION STREET

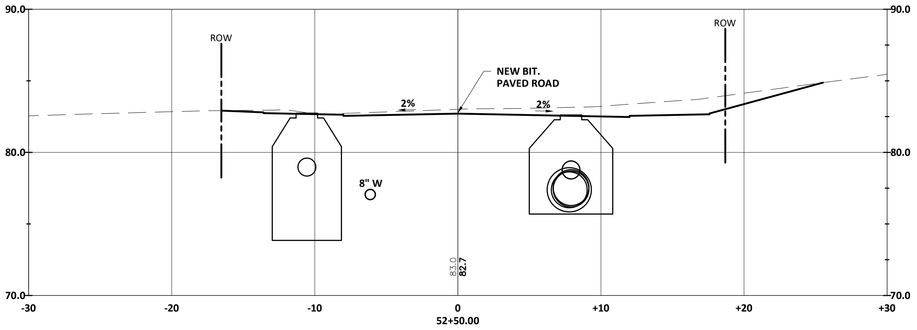
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

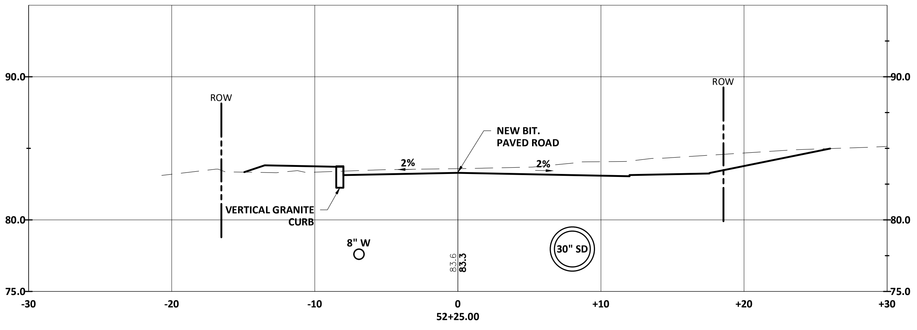
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

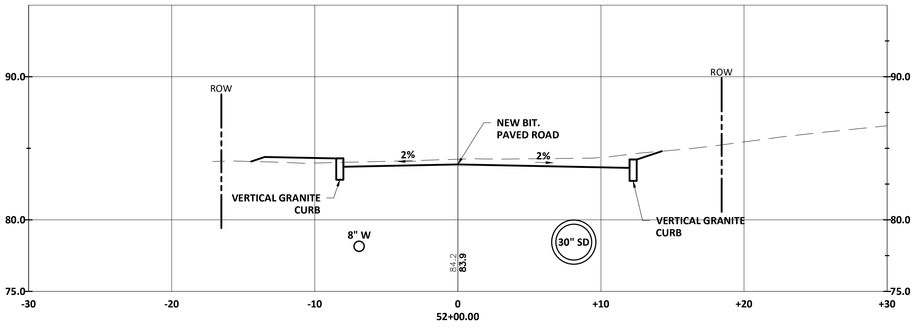
CROSS SECTIONS

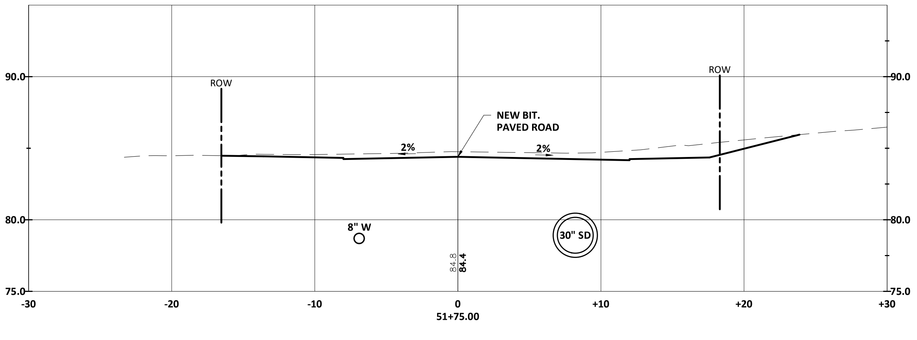
SCALE: 1"=5'

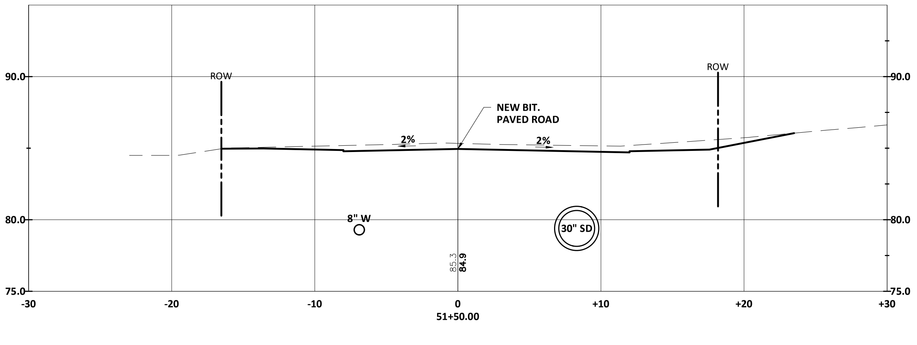












DRAWING C-69

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
UNION STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

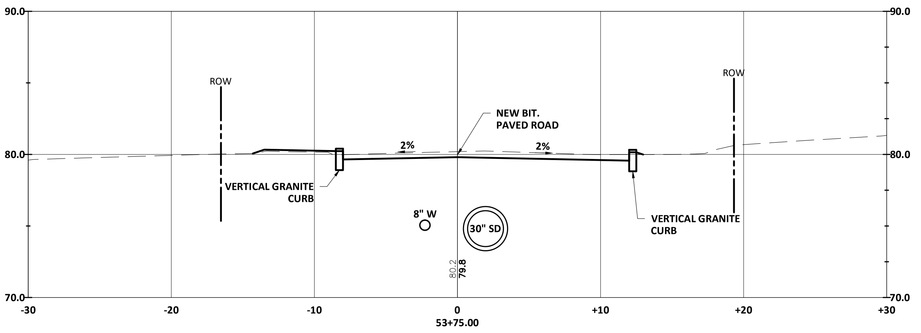
STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
LICENSED
PROFESSIONAL ENGINEER
3-21-2025

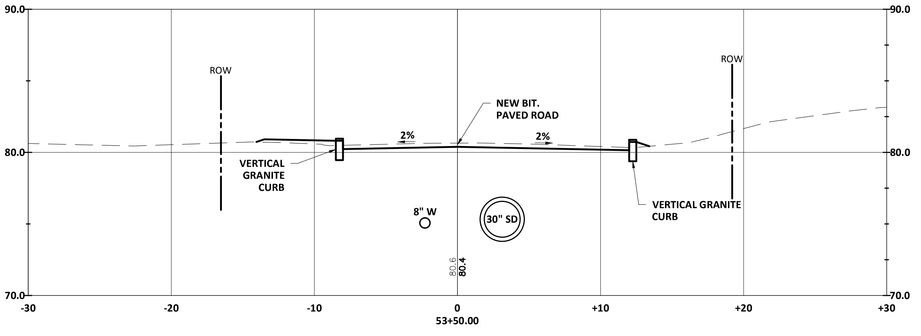
PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

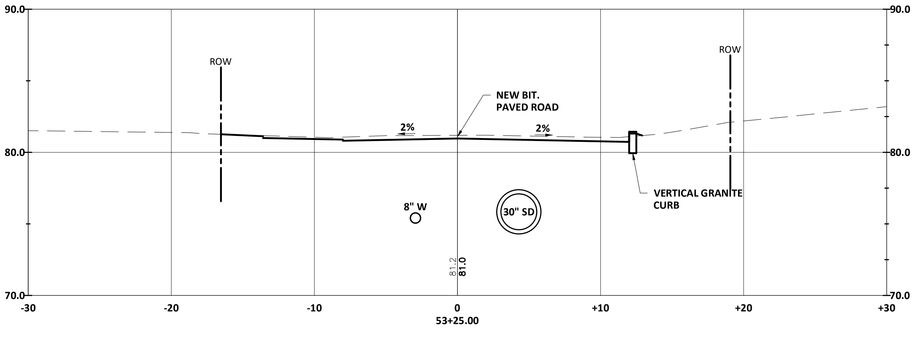
NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

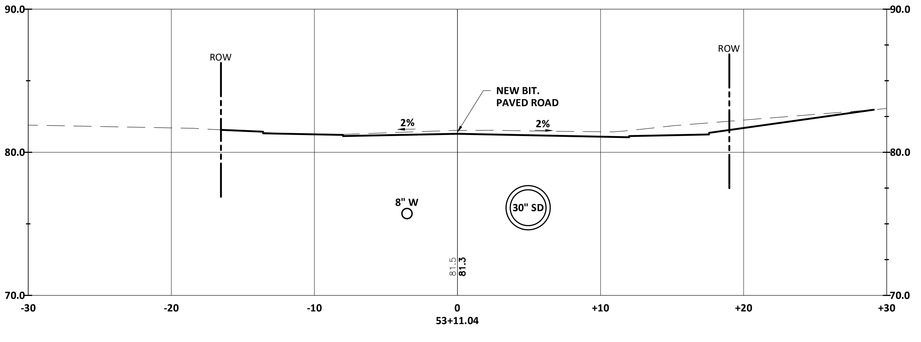
CROSS SECTIONS

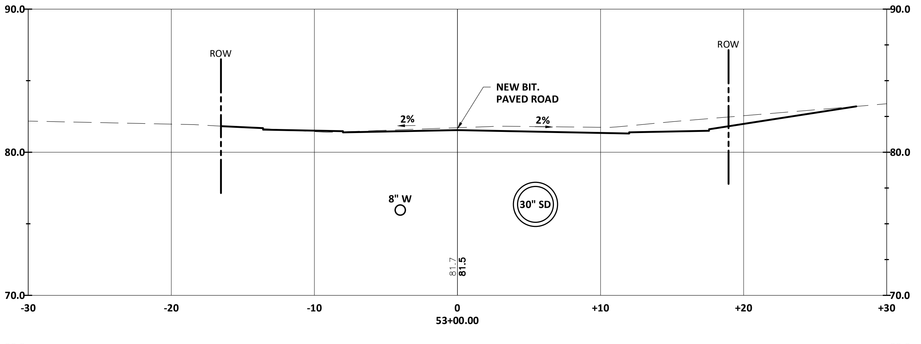
SCALE: 1"=5'

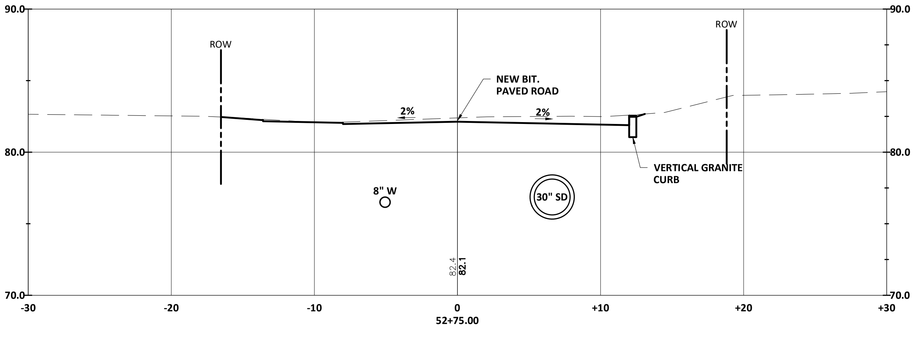












DRAWING C-70

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
UNION STREET

WRIGHT-PIERCE

(603) 403-3728 | www.wright-pierce.com

230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

STATE OF NEW HAMPSHIRE
BRITT ECKSTROM
No. 12048
PROFESSIONAL ENGINEER
3-21-2025

PROJECT NO:	20803
DESIGNED:	B.ECKSTROM
CAD COORD:	J.MICHAUD
CAD:	J.MICHAUD
CHECKED:	
DATE:	
APPROVED:	
DATE:	
SUBMISSION:	CONTRACT DRAWINGS

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

CROSS SECTIONS

SCALE: 1"=5'

NO	REVISIONS	APP'D	DATE
1			
2			
3			
4			
5			

PROJECT NO: 20803
DESIGNED: B.ECKSTROM
CAD COORD: J.MICHAUD
CAD: J.MICHAUD
CHECKED:
DATE:
APPROVED:
DATE:
SUBMISSION: CONTRACT DRAWINGS

STATE OF NEW HAMPSHIRE — BRITT ERIK STROM — No. 13965 — LICENSED PROFESSIONAL ENGINEER — 3/21/2025

WRIGHT-PIERCE
(603) 403-3728 | www.wright-pierce.com
230 COMMERCE WAY, SUITE 302, PORTSMOUTH, NH

DOVER, NEW HAMPSHIRE
COURT ST AND UNION ST
RECONSTRUCTION PROJECT

CROSS SECTIONS:
UNION STREET

DRAWING
C-71

LAST SAVED BY: JAMES.MICHAUD 3/4/2024 7:49 AM

J:\ENG\WH\DOVER\20803-COURT-UNIONSTREETSRECONSTRUCTION\DRAWINGS\CIV\20803-CM-XSECTIONS XL.DWG | 20803-CM-XsectionsXL | 12.5849 | --- | 3/21/2025 10:08:43 AM | JAMES.MICHAUD