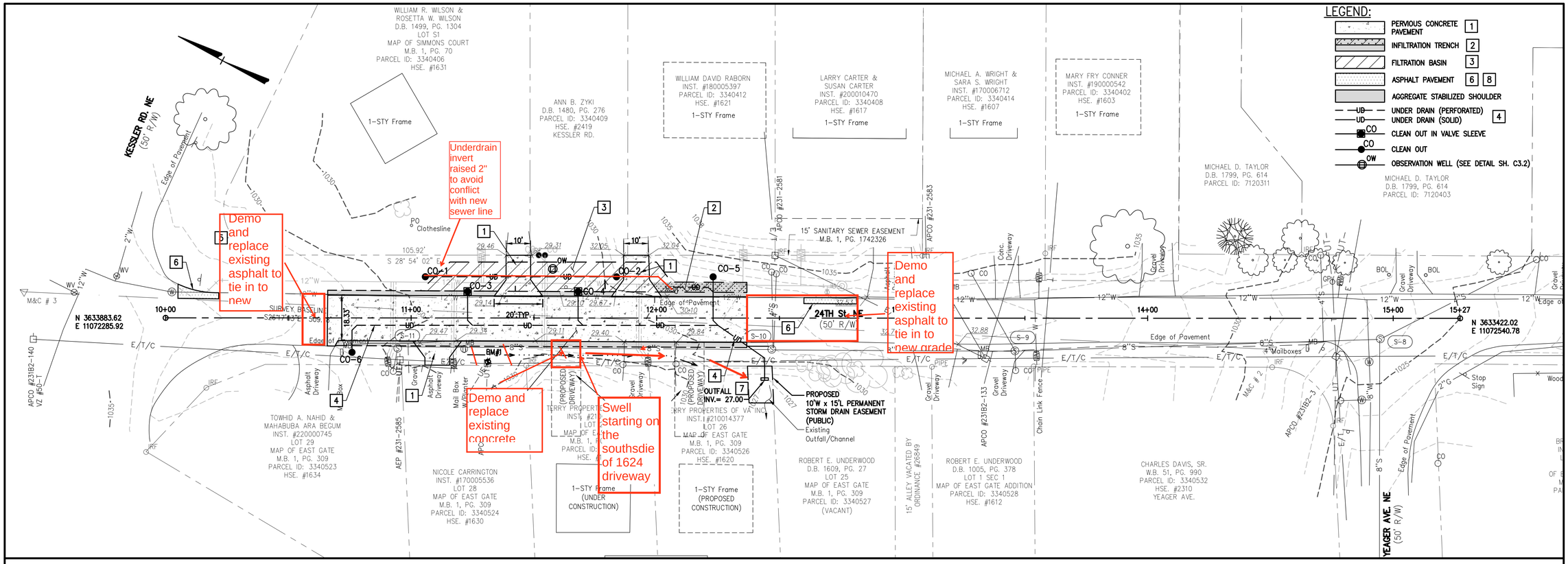

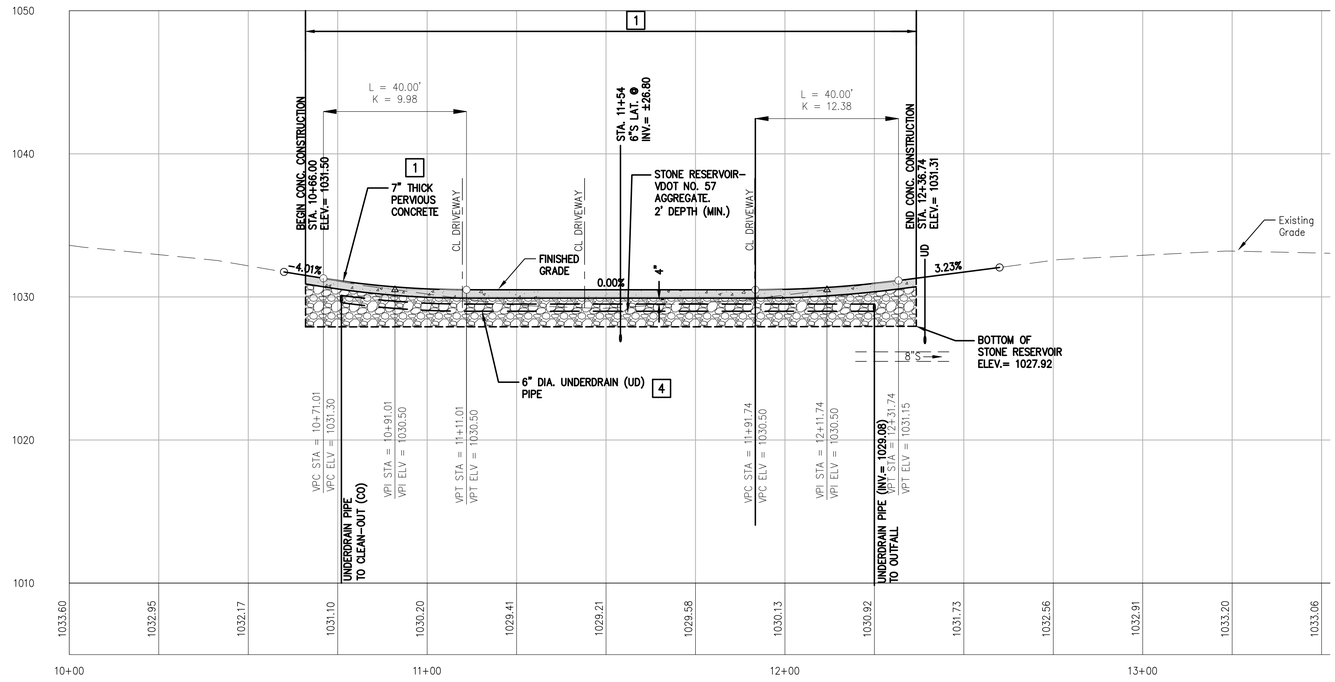

UNDER DRAIN CLEAN–OUT SCHEDULE:

1028.25

CO–1 / CO–2
STANDARD CLEAN–OUT
INV. = ~~1028.00~~

CO–3 / CO–4
STANDARD CLEAN–OUT IN C.O. BOX W/LID
(SEE DETAIL ON SH. C3.2)
INV. = 1029.00

CO–5
STANDARD CLEAN–OUT
INV. = 1028.00

SLOPE UD FROM CO–5 TO OUTFALL @ ±2.0%

CO–6
STANDARD CLEAN–OUT
INV. = 1029.00

KEYNOTES:

1. NEW PERVIOUS CONCRETE PAVEMENT. REFER TO TYPICAL SECTION ON SHEET C3.2 AND REFER TO ROADWAY CROSS SECTIONS ON SHEET 4.1.
2. NEW INFILTRATION TRENCH IN ACCORDANCE WITH VIRGINIA DEQ STORMWATER DESIGN SPECIFICATION NO. 8. REFER TO TYPICAL SECTION AND DETAILS ON SHEET C3.2.
3. NEW INFILTRATION BASIN IN ACCORDANCE WITH VIRGINIA DEQ STORMWATER DESIGN SPECIFICATION NO. 8. REFER TO TYPICAL SECTION AND DETAILS ON SHEET C3.2.
4. NEW UNDERDRAIN SYSTEM WITHIN PERVIOUS CONCRETE AND INFILTRATION TRENCH / BASIN. REFER TO DETAILS AND TYPICAL SECTIONS ON SHEET C3.2 FOR ADDITIONAL INFORMATION. REFER TO "UNDER DRAIN CLEAN–OUT SCHEDULE" FOR ADDIONAL INFORMATION.
5. RELOCATED WATERLINE, WATER SERVICE LINES AND METERS, AND SEWER SERVICE LINES. REFER TO SHEET C3.3 FOR PLAN AND PROFILE AND RELATED DESIGN.
6. RESTORE ASPHALT PAVEMENT IN ACCORDANCE WITH DETAIL ON SHEET C3.2.
7. UNDERDRAIN SYSTEM OUTFALL LOCATION. EXTEND PIPE ±12" BEYOND FACE OF SLOPE AND CONSTRUCT 18" SQ. 8" THICK SLOPING CONC. HEADWALL. CUT PIPE ON BEVEL TO MATCH AND LAY FLUSH WITH FACE OF HEADWALL.
8. DRIVEWAYS TO HOMES AT 1620 AND 1624 24TH STREET WERE NOT IN–PLACE AT TIME OF SURVEY/ DESIGN. IF DRIVEWAY(S) ARE NOT PRESENT WHEN CONTRACTOR STARTS WORK, NO ADDITIONAL WORK IS REQUIRED. IF DRIVEWAY(S) ARE EXISTING, CONTRACTOR SHALL DEMOLISH DRIVEWAY AND REPLACE IN–KIND FROM RIGHT–OF–WAY TO EDGE OF NEW PAVEMENT. IF ASPHALT, 1–1/2" ASPHALT SURFACE COURSE (VDOT SM–9.5A) OVER 6" VDOT #21A AGGREGATE. IF CONCRETE, 7" MINIMUM VDOT CLASS A3 CONCRETE OVER 6" VDOT #21A AGGREGATE.

GENERAL NOTES:

1. PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) ROAD AND BRIDGE SPECIFICATIONS (LATEST EDITION), VIRGINIA WORK AREA PROTECTION MANUAL, THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD HIGHWAY SIGNS BOOK, AND THESE PLANS.
2. EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT REPRESENT ALL UTILITIES OR SERVICE LINES. PRIOR TO DEMOLITION/REMOVAL AND EXCAVATION, THE CONTRACTOR SHALL CONTACT THE PERTINENT UTILITY COMPANIES AND/OR UTILITY LOCATING SERVICES TO HAVE ALL UNDERGROUND UTILITIES LOCATED AND MARKED. THE CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING UTILITIES DURING CONSTRUCTION. WHERE PROPOSED IMPROVEMENTS, DRAINAGE CULVERTS, OR GRADING IS FOUND TO BE IN CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATIONS WITH THE APPROPRIATE UTILITY OWNER(S).
4. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS OF SECTION 59.1–406 ET SEQ. OF THE CODE OF VIRGINIA (OVERHEAD HIGH VOLTAGE LINE SAFETY ACT.)
5. THE CONTRACTOR SHALL FURNISH AND INSTALL SIGNAGE IN ACCORDANCE WITH THESE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD HIGHWAY SIGNS BOOK, AND VDOT SPECIFICATIONS (LATEST EDITION).
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC.
7. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THE PROJECT. EXCAVATIONS SHALL NOT BE LEFT OPEN OVERNIGHT UNLESS APPROVED BY THE ENGINEER.
8. ALL CONSTRUCTION PERFORMED WITHIN THE RIGHT–OF–WAY SHALL CONFORM TO THE CITY OF ROANOKE "RIGHT–OF–WAY EXCAVATION AND RESTORATION STANDARDS."

0 10' 20' 40'
SCALE: 1" = 20'

COMMONWEALTH OF VIRGINIA WILLIAM THOMAS AUSTIN Lic. No. 039097 3/31/23 PROFESSIONAL ENGINEER

Revisions	Date

Issue Date: MAR. 31, 2023
Drawn By: WTA
Designed By: ARB
Checked By: WTA
Date: 3/31/23

Mattern & Craig ENGINEERS SURVEYORS
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FAX (540) 345–7691

STORMWATER DRAINAGE IMPROVEMENT PROJECT FOR 1600 BLOCK 24TH ST. NE

PLAN AND PROFILE – 24TH STREET

ROANOKE, VIRGINIA

Vertical Scale: 1"= 5'
Horizontal Scale: 1"= 20'
Commission Number: 3991C
Sheet No.: C3.1

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