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BRANDON AVENUE COMMERCIAL CENTER

UTILITY PROFILES

3233 BRANDON AVE SW
CITY OF ROANOKE, VIRGINIA

DRAWN BY KAM
DESIGNED BY KAM
CHECKED BY CPB
DATE 11/8/2022
SCALE AS SHOWN
REVISIONS 3/24/2023 FR#1

City of Roanoke
Planning, Building, & Development
COMPREHENSIVE DEVELOPMENT PLAN

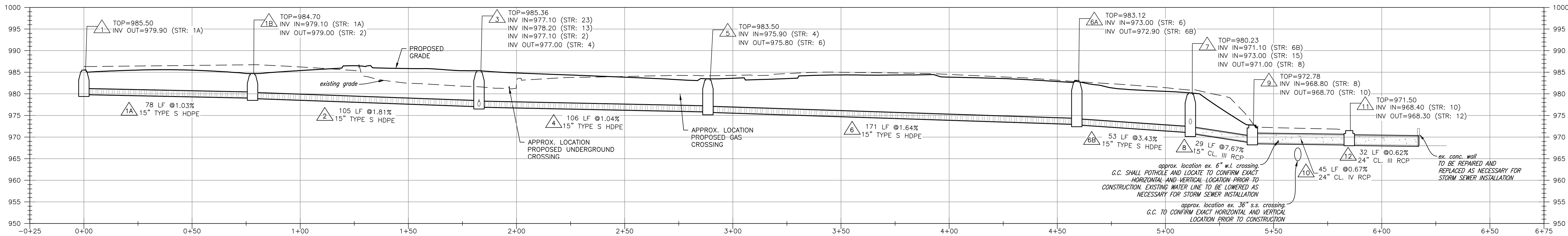
FIELD REVISION
APPROVED

Development Review 9/12/23
Engineer

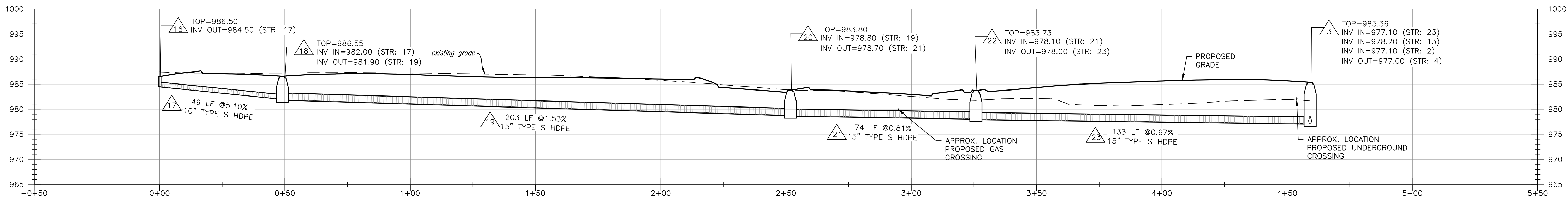
FR#1

C7
PROJECT NO. 04210048.00

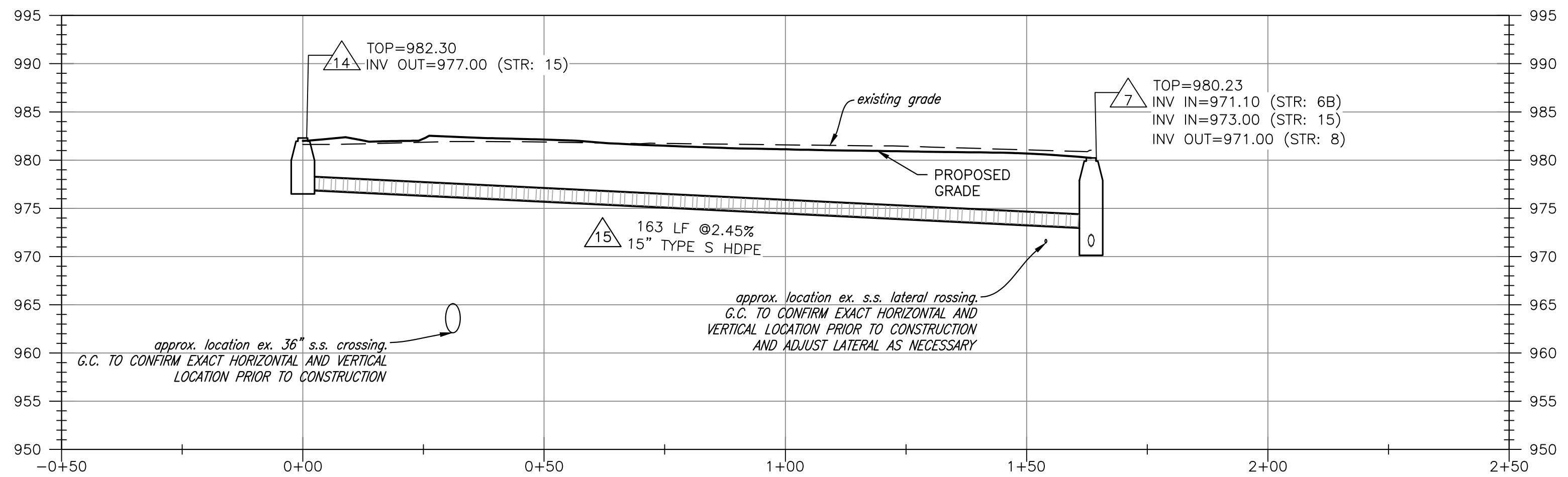
PROPOSED STORM PROFILE 1 - 12 PROFILE



PROPOSED STORM SEWER 16 - 3 PROFILE



PROPOSED STORM SEWER 14 - 7 PROFILE



SANITARY SEWER SCHEDULE:

BLDG. (A) 5 LF OF 6" SDR-35 PVC AT 2.00% (INV. AT BLDG. 981.60)	BLDG. (E) 5 LF OF 6" SDR-35 PVC AT 2.00% (INV. AT BLDG. 981.60)
(A) PRIVATE S.S. C.O. TOP= 987.35 INV.= 981.50	(C) PRIVATE S.S. C.O. TOP= 985.90 INV.= 981.50
(A) (B) 37 LF OF 6" SDR-35 PVC AT 1.89%	(C) (D) 37 LF OF 6" SDR-35 PVC AT 4.05%
(E) PUBLIC S.S. C.O. TOP= 986.40 INV.= 980.80	(D) PRIVATE S.S. C.O. (TRAFFIC BEARING TOP) TOP= 984.50 INV.= 980.00
(E) (F) 15 LF OF 6" SDR-26 PVC AT 2.00% APPROX. INV. AT EX: 980.30 G.C. TO VERIFY EX. INVERT ELEVATION PRIOR TO CONSTRUCTION	(D) (E) 89 LF OF 6" SDR-35 PVC AT 1.46%
	(E) PRIVATE S.S. C.O. (TRAFFIC BEARING TOP) TOP= 983.40 INV.= 978.70
NOTES: 1. G.C. TO CONFIRM & COORDINATE ALL BUILDING TIE-IN LOCATIONS WITH M.E.P. AND ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION OF LATERALS. 2. G.C. TO CONFIRM ALL TIE-IN LOCATIONS TO EXISTING LINES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. 3. G.C. SHALL ENSURE MIN. 1.04% SLOPE FOR 6" SANITARY LATERAL	(E) (F) 32 LF OF 6" SDR-35 PVC TO TIE TO EXISTING LATERAL. G.C. SHALL VERIFY EX. INVERT ELEVATION PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IMMEDIATELY IF THERE ARE ANY CONFLICTS
	BLDG. (F) 5 LF OF 6" SDR-35 PVC AT 2.00% (INV. AT BLDG. 981.60)
	(F) PRIVATE S.S. C.O. TOP= 986.00 INV.= 981.50
	(F) (D) 74 LF OF 6" SDR-35 PVC AT 2.03%

STORM STRUCTURE SCHEDULE:

(1) VDOT ST'D DI-3C (6' THROAT) TOP: 985.60 INV. OUT (STR. 2): 979.90	(13) ROOFDRAIN TRUNKLINE 72 LF OF 8" TYPE S HDPE PIPE AT MIN. 2% WITH (1) CLEANOUT INV. OUT: 978.20
(1A) 78 LF OF 15" TYPE S HDPE AT 1.03%	(14) VDOT DI-3C (6' THROAT) TOP: 982.30 INV. OUT (STR 15): 977.00
(1B) VDOT ST'D DI-1 GRATE INLET TOP: 984.70 INV. IN (STR. 1A): 979.10 INV. OUT (STR. 2): 979.00	(15) 163 LF OF 15" TYPE S HDPE AT 2.45%
(2) 105 LF OF 15" TYPE S HDPE AT 1.81%	(16) 12" NYLOPLAST DRAIN BASIN TOP: 986.50 INV. OUT (STR 17): 984.50
(3) VDOT ST'D MH-1 TOP: 985.36 INV. IN (STR. 23): 977.10 INV. IN (STR. 13): 978.20 INV. IN (STR. 2): 977.10 INV. OUT (STR 4): 977.00	(17) 49 LF OF 10" TYPE S HDPE AT 5.10%
(4) 106 LF OF 15" TYPE S HDPE AT 1.04%	(18) VDOT ST'D DI-1 GRATE INLET TOP: 986.55 INV. IN (STR. 17): 982.00 INV. OUT (STR 19): 981.90
(5) VDOT ST'D DI-3C (6' THROAT) TOP: 983.50 INV. IN (STR. 4): 975.90 INV. OUT (STR 6): 975.80	(19) 203 LF OF 15" TYPE S HDPE AT 1.53%
(6) 171 LF OF 15" TYPE S HDPE AT 1.64%	(20) VDOT ST'D DI-3C (6' THROAT) TOP: 983.80 INV. IN (STR. 19): 978.80 INV. OUT (STR 21): 978.70
(6A) VDOT ST'D DI-3C (6' THROAT) TOP: 983.12 INV. IN (STR. 6): 973.00 INV. OUT (STR 6B): 972.90	(21) 74 LF OF 15" TYPE S HDPE AT 0.81%
(6B) 53 LF OF 15" TYPE S HDPE AT 3.43%	(22) VDOT ST'D DI-3C (6' THROAT) TOP: 983.73 INV. IN (STR. 21): 978.10 INV. OUT (STR 23): 978.00
(7) VDOT ST'D MH-1 TOP: 980.23 INV. IN (STR. 6B): 971.10 INV. IN (STR. 15): 973.00 INV. OUT (STR. 8): 971.00	(23) 133 LF OF 15" TYPE S HDPE AT 0.67%
(8) 29 LF OF 15" CL. III RCP AT 7.67%	
(9) VDOT ST'D DI-3C (6' THROAT) TOP: 972.78 INV. IN (STR. 8): 968.80 INV. OUT (STR 10): 968.70	NOTES: 1. VDOT STD IS-1 INLET SHAPING SHALL BE PROVIDED IN ALL PROPOSED STRUCTURES. 2. NON-SHRINK GROUT SHALL BE USED FOR ALL STORM SEWER PIPE CONNECTIONS.
(10) 45 LF OF 24" CL. IV RCP AT 0.67%	
(11) VDOT ST'D MH-1 TOP: 971.50 INV. IN (STR. 10): 968.40 INV. OUT (STR 12): 968.30	
(12) 32 LF OF 24" CL. III RCP AT 0.62%	

