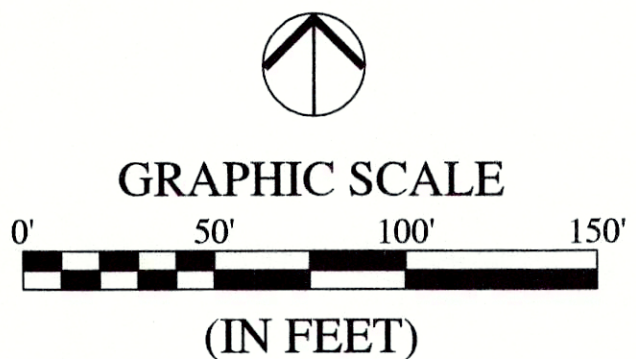
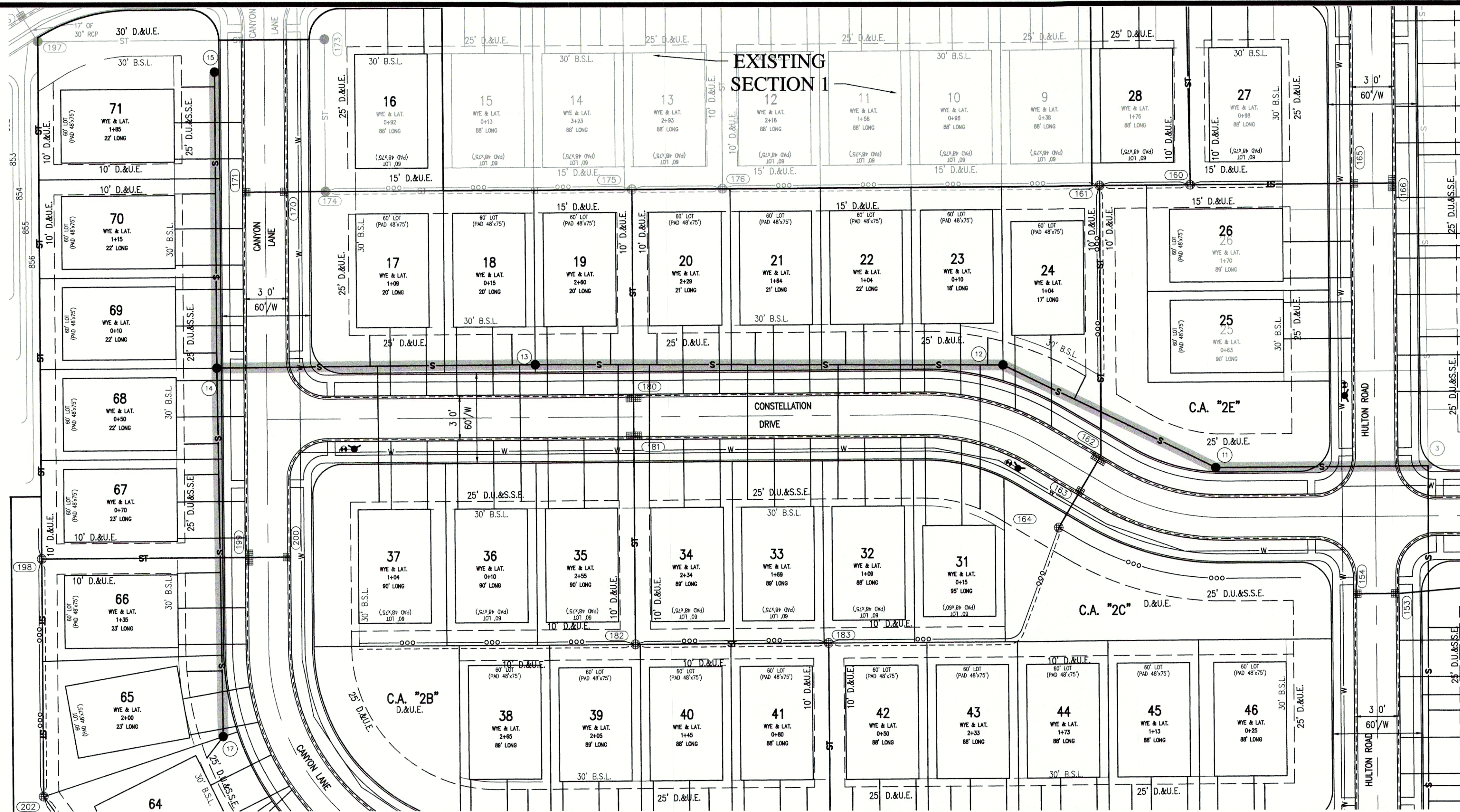


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Plot Time: 5:42pm
Plot Date: Sep 14, 2020

LEGEND:

EXISTING	PROPOSED
RIGHT-OF-WAY LINE	RIGHT-OF-WAY LINE
EASEMENT LINE	EASEMENT LINE
SETBACK LINE	SETBACK LINE
CENTERLINE	CENTERLINE
SWALE / FLOWLINE	SWALE / FLOWLINE
SUBSURFACE DRAIN	SUBSURFACE DRAIN
SANITARY SEWER	SANITARY SEWER
STORM SEWER	STORM SEWER
STORM CULVERT	STORM CULVERT
WATER MAIN	WATER MAIN
SANITARY MANHOLE	SANITARY MANHOLE
STORM MANHOLE	STORM MANHOLE
STORM INLET	STORM INLET
STORM END SECTION	STORM END SECTION
FIRE HYDRANT	FIRE HYDRANT
PROFILLED PIPELINE	PROFILLED PIPELINE
EX - EXISTING	EX - EXISTING
INV - INVERT ELEVATION	INV - INVERT ELEVATION
MH - MANHOLE	MH - MANHOLE
PVC - POLYVINYL CHLORIDE PIPE	PVC - POLYVINYL CHLORIDE PIPE
TC - TOP OF CASTING GRADE	TC - TOP OF CASTING GRADE
B.S.L. - BUILDING SETBACK LINE	B.S.L. - BUILDING SETBACK LINE
D.U.&S.E. - DRAINAGE UTILITY AND SANITARY SEWER EASEMENT	D.U.&S.E. - DRAINAGE UTILITY AND SANITARY SEWER EASEMENT
D.U.E. - DRAINAGE UTILITY EASEMENT	D.U.E. - DRAINAGE UTILITY EASEMENT



BENCHMARK INFORMATION:

ORIGINATING BENCHMARK:
RAILROAD SPIKE IN POWER POLE LOCATED 76 FEET SOUTH AND 33 FEET WEST OF THE NORTHWEST CORNER OF OAKMONT (OAKMONT SITE TEMPORARY BENCHMARK)
PUBLISHED ELEVATION = 845.67 (NAVD88)
[NORTHING: 1,726,180; EASTING: 273,236]

LEVEL CIRCUITS WERE THEN RUN THROUGH CP #101-102
TBM WAS ESTABLISHED WITH RTK GPS USING AN ON-SITE BASE STATION AND ROVER.

CP #101:
5/8" REBAR W/RED CAP STAMPED "HWC ENGINEERING RANDOM POINT" LOCATED ON THE WEST SIDE OF E. CO. RD. 168, APPROXIMATELY 440 FEET SOUTH OF DEL WEBB PARKWAY
ELEVATION = 857.91 (NAVD88)
[NORTHING: 1,723,827; EASTING: 273,267]

CP #102:
5/8" REBAR W/RED CAP STAMPED "HWC ENGINEERING RANDOM POINT" LOCATED NORTHWEST OF THE INTERSECTION OF DEL WEBB PARKWAY AND E. CO. RD. 168
ELEVATION = 850.07 (NAVD88)
[NORTHING: 1,724,325; EASTING: 273,249]

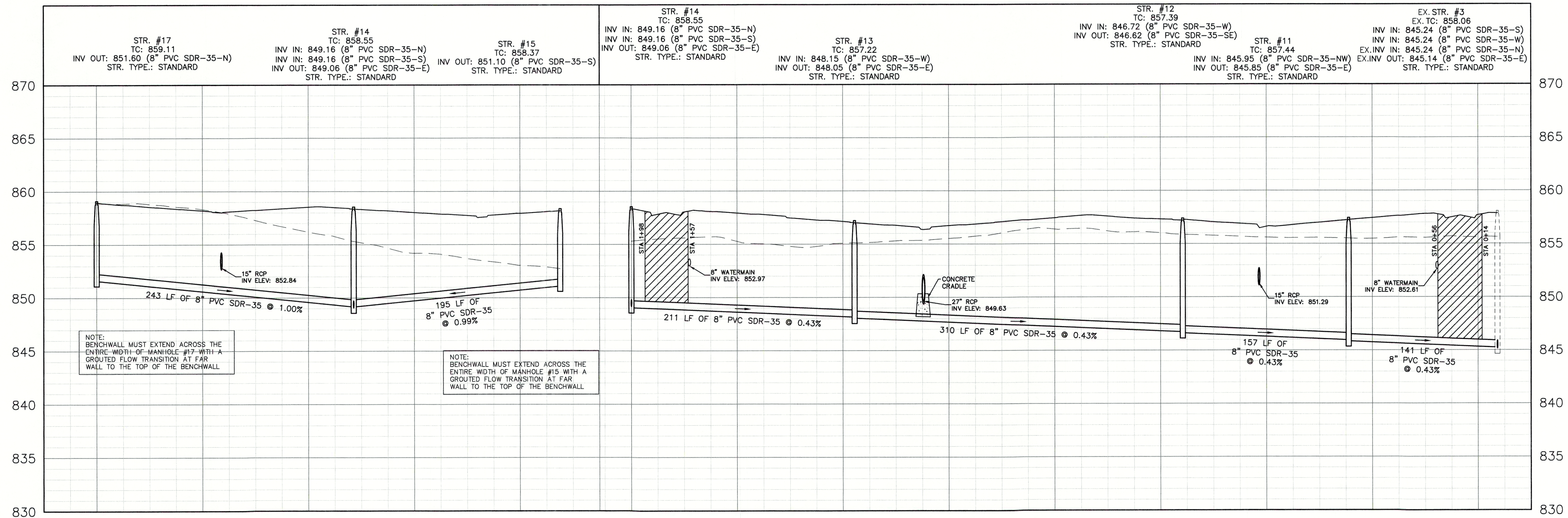
TBM:
NORTH RIM OF SANITARY MANHOLE LOCATED 20 FEET SOUTH OF THE SOUTH SIDE OF THE WEST-MOST END OF W. CONSTELLATION DR.
ELEVATION = 857.87 (NAVD88)
[NORTHING: 1,723,985; EASTING: 274,627]

SANITARY PROFILE

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'

PVC GRAVITY SEWER PIPE AND FITTINGS MUST, AT A MINIMUM, BE INSTALLED IN ACCORDANCE WITH THE DIRECTIONS CONTAINED IN ASTM D 2321 AND FOLLOW CURRENT FCWRD STANDARDS.

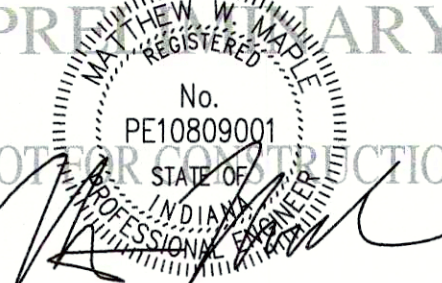
GRANULAR BACKFILL
EXISTING GRADE
PROPOSED GRADE



REVISIONS		
DATE	DESCRIPTION	BY

HWC ENGINEERING
INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - MUNICIE - NEW ALBANY
www.hwcengineering.com

ESTES PARK SECTION 2
MADISON COUNTY, INDIANA
SANITARY SEWER PLAN & PROFILE



DRAWN BY TD/LM/KS
CHECKED BY MM
DATE SEPTEMBER 8, 2020
SCALE AS SHOWN
SHEET

C4.0
SANITARY SEWER PLAN & PROFILE

JOB NUMBER 2019-318