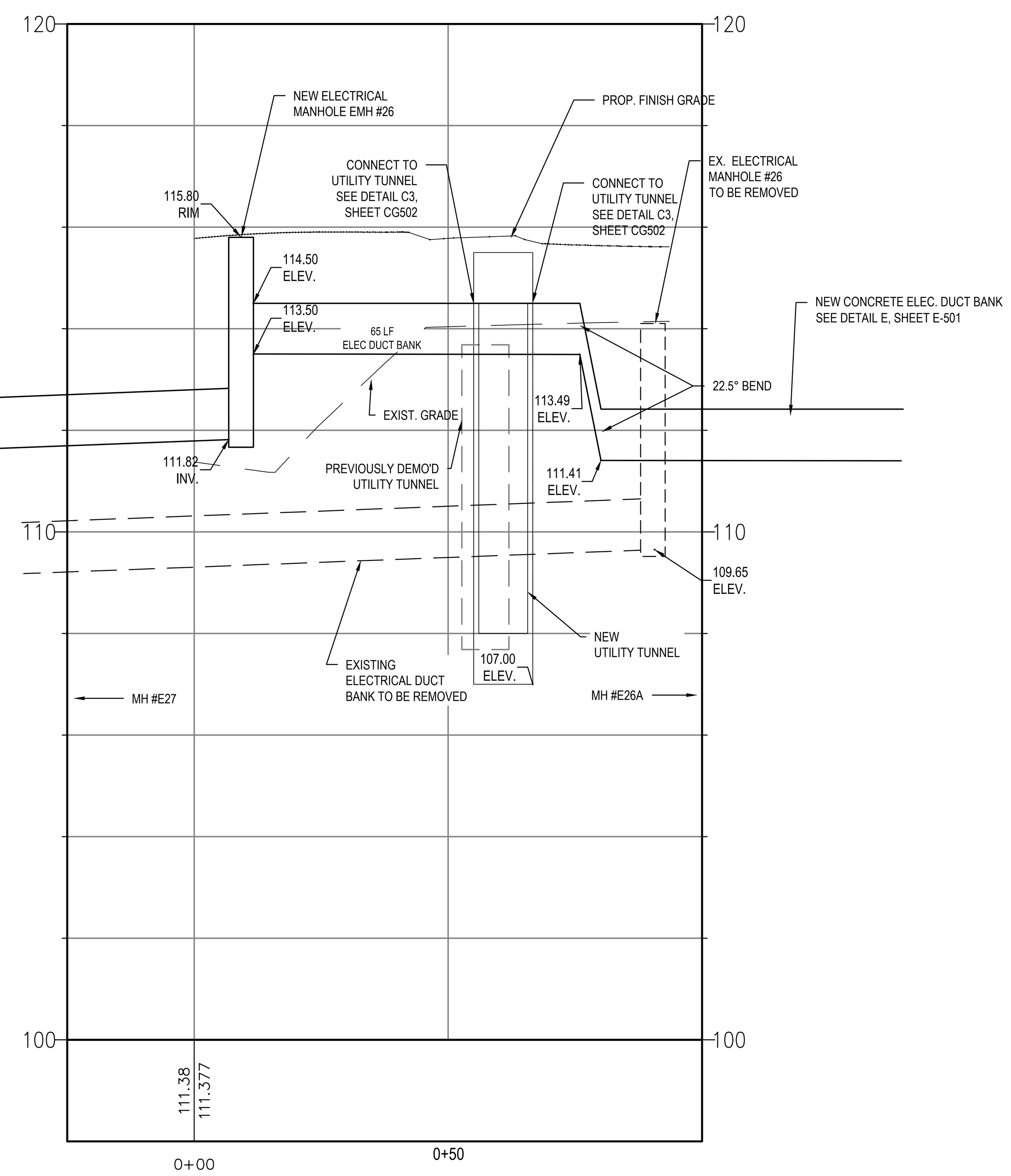
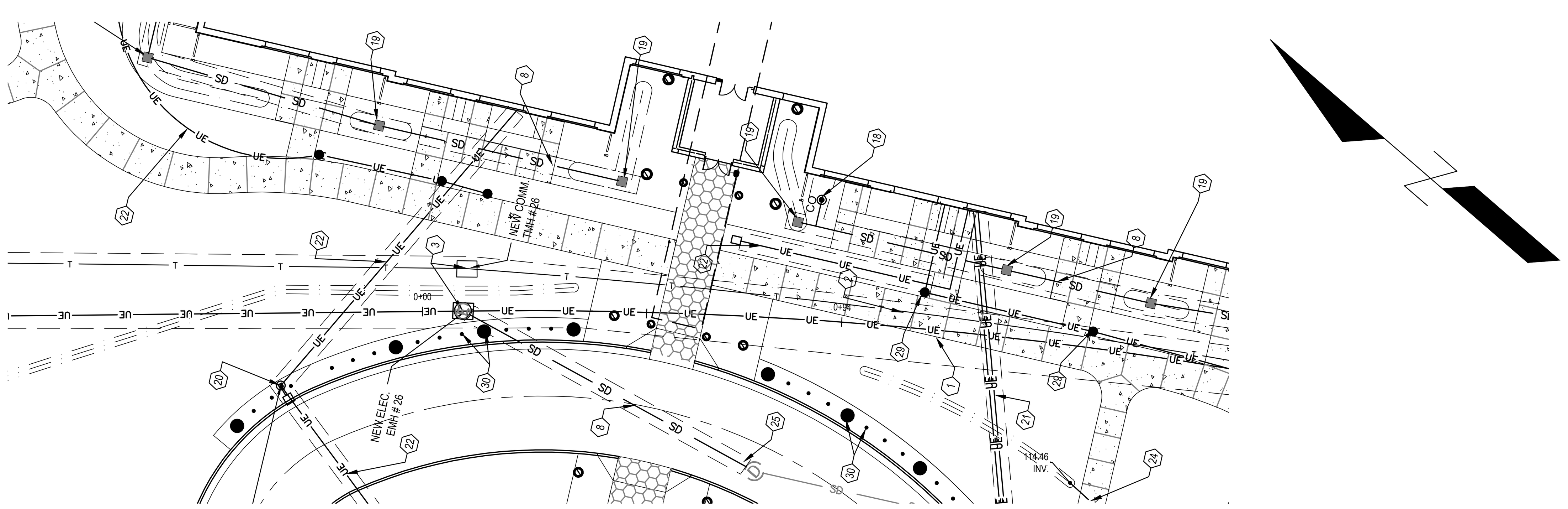
ELEC DUCT PROFILE



NOTE:
NEW ELECTRICAL AND TELECOM DUCT BANKS TO BE IN PLACE AND IN USE AT TIME OF TUNNEL CONSTRUCTION.

NOTE:
NEW TELECOM DUCT BANK TO RUN PARALLEL W/ ELECTRICAL DUCT BANK HORIZ. AND VERT.

D1 CIVIL UTILITY PROFILE - ELEC DUCT BANK AT NEW TUNNEL
1"=20' - HORIZ., 1"=2' - VERT.



F1 CIVIL UTILITY PLAN - ELEC DUCT BANK AT NEW TUNNEL
1"=20' - HORIZ.

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

ELECTRICAL/COMMUNICATIONS NOTES:

1. ALL ELECTRICAL CONDUIT AND TELECOMMUNICATIONS CONDUIT SHOWN IS FOR REFERENCE ONLY. PLEASE SEE ELECTRICAL PLAN ES100 FOR DETAILED INFORMATION.

FIRE HYDRANT #15 TEST RESULTS

TEST DATE: 10/24/2020
RESIDUAL PRESSURE - 50 PSI
APPROXIMATE GPM - 1190 GPM

DEDUCTIVE ALTERNATES

SEE SHEET CS103 FOR DEDUCTIVE ALTERNATES

UTILITY SEPARATION NOTES

APPLICABLE NOTES FROM THE CURRENT IN-PLACE REQUIREMENTS FOR DEPARTMENT OF VETERANS AFFAIRS FACILITIES: "SITE DEVELOPMENT DESIGN MANUAL - FEBRUARY 2013"

5.2 GENERAL UTILITY DESIGN REQUIREMENTS
5.2.1 CLEARANCES AND CROSSINGS
THE A/E SHALL DESIGN THE SITE WITH THE FEWEST CROSSINGS OF UTILITIES POSSIBLE. THE A/E SHALL CONSIDER THE FOLLOWING ORDER OF PRIORITY FOR UNDERGROUND FACILITIES:
- SANITARY SEWER
- STORM SEWER
- WATER MAIN
- OTHER UTILITIES

5.2.6 MINIMUM DEPTH OF COVER
INDICATE BY NOTES ON DRAWINGS OR DETAIL SECTION, THE MINIMUM DEPTH OF COVER REQUIRED OVER EACH SPECIFIC UTILITY SYSTEM. ALL BURIED UTILITIES SHALL HAVE UNDERGROUND DETECTABLE WARNING TAPE INSTALLED IN THE TRENCH.
- MINIMUM COVER FOR STORM SEWER LINES SHALL BE AT LEAST 2'-0" (600 MM) FROM FINISH GRADES.
- TOP OF POTABLE WATER, CHILLED WATER, FUEL AND APPURTENANCES SHALL BE AT LEAST 1'-0" (300 MM) BELOW FROST PENETRATION.
- THE MINIMUM DEPTH OF SANITARY SEWER LINES AT THE TERMINUS POINT SHALL BE 4'-0" (1200MM). WHERE PRACTICAL, TOP OF SEWERS SHALL BE AT LEAST 1'-0" (300 MM) BELOW FROST PENETRATION. WHERE SUCH DEPTH BELOW IS NOT PRACTICAL, PROVIDE FREEZE PROTECTION AND/OR SUPPORTING FOUNDATIONS TO A DEPTH BELOW THE FROST LINE AND SECURELY FASTEN SEWER TO FOUNDATION.

5.2.7 UTILITIES DISTRIBUTION TYPE
THE UTILITY DISTRIBUTION TYPE SHALL BE DETERMINED ON A PROJECT BY PROJECT BASIS. THE A/E MUST CONSIDER THE EXISTING SITE CONDITIONS AND BUDGET WHEN DECIDING WHAT TYPE TO USE.
5.2.7.1 TRENCHES: GENERALLY, DO NOT INSTALL MORE THAN ONE UTILITY SYSTEM IN THE SAME TRENCH. HOWEVER, DUE TO SITE CONSTRAINTS AND VALUE ENGINEERING CONCEPTS, MULTIPLE UTILITIES IN THE SAME TRENCH WILL BE EVALUATED BY THE GOVERNMENT ON A PER CASE BASIS. PRIOR TO APPROVING ANY MULTIPLE LINE TRENCH, THE A/E SHALL DOCUMENT THAT THE USE OF THE MULTIPLE LINE TRENCH WILL NOT NEGATIVELY IMPACT THE UTILITY SYSTEM, ADEQUATE CLEARANCES ARE PROVIDED FOR THE OPERATION AND MAINTENANCE OF THE SYSTEMS, AND THAT THE JOINT TRENCH WILL NOT POSE ANY CONTRACTIBILITY CONSTRAINTS. THERE MUST BE A MINIMUM OF 12" (300 MM) BETWEEN THE OUTSIDE DIAMETERS OF ALL PIPES TO OBTAIN THE REQUIRED COMPACTION.

5.2.8 HORIZONTAL CLEARANCE
THE HORIZONTAL CLEARANCE SHALL BE MEASURED BETWEEN THE OUTSIDE DIMENSION OF THE PIPE, DUCT BANK, OR STRUCTURE.

5.2.8.1 WATER AND SANITARY SEWER:
MAINTAIN A HORIZONTAL CLEARANCE BETWEEN POTABLE WATER MAINS AND GRAVITY FLOW SANITARY SEWER/SANITARY SEWER FORCE MAINS OF AT LEAST 10 FEET (3M). THE HORIZONTAL CLEARANCE BETWEEN POTABLE WATER MAINS AND SANITARY SEWER MAINS MAY BE REDUCED TO 6'-0" (1800 MM) WHEN: LOCAL CONDITIONS PREVENT A HORIZONTAL CLEARANCE OF 10'-0" (3 M), THE WATER MAIN INVERT IS A MINIMUM OF 18" (450 MM) ABOVE THE CROWN OF THE SEWER, AND THE WATER MAIN IS IN A TRENCH, SEPARATED BY UNDISTURBED SOIL. WHEN THE SPECIFIED HORIZONTAL CLEARANCE CANNOT BE MET, THE WATER MAIN SHALL BE CONSTRUCTED WITH MECHANICAL JOINT DUCTILE IRON PIPE PER SPECIFICATION 33 10 00 – WATER UTILITIES, AND THE SANITARY SEWER SHALL BE CONSTRUCTED WITH MECHANICAL JOINT PRESSURE RATED DUCTILE IRON PIPE PER SPECIFICATION 33 30 00 – SANITARY SEWAGE UTILITIES. HORIZONTAL CLEARANCES SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE HEALTH DEPARTMENT, DEPARTMENT OF ENVIRONMENTAL QUALITY, OR AGENCY GOVERNING THE FACILITY OF POTABLE WATER MAINS AND SYSTEMS.

5.2.8.2 WATER AND CHILLED WATER:
MAINTAIN A HORIZONTAL CLEARANCE OF AT LEAST 6'-0" (1800MM) BETWEEN POTABLE WATER MAINS AND RECLAIMED/REUSE AND CHILLED WATER MAINS.

5.2.8.3 WATER AND STORM SEWER:
MAINTAIN A HORIZONTAL CLEARANCE OF AT LEAST 5'-0" (1500MM) BETWEEN POTABLE WATER MAINS AND STORM SEWERS.

5.2.8.4 DUCT BANKS AND PIPED UTILITIES:
MAINTAIN A HORIZONTAL CLEARANCE OF AT LEAST 3'-0" (900 MM) BETWEEN DUCT BANKS AND PIPED UTILITIES.

5.2.9 VERTICAL CLEARANCE
THE VERTICAL CLEARANCE SHALL BE MEASURED BETWEEN THE OUTSIDE DIMENSION OF THE PIPE, DUCT BANK, OR STRUCTURE. FOR INSULATED PIPING, THE CLEARANCE SHALL BE MEASURED TO THE OUTSIDE OF THE INSULATION. AT UTILITY CROSSINGS WHERE ADEQUATE COMPACTION OF THE BEDDING MATERIAL CANNOT BE OBTAINED, USE FLOWABLE FILL IN THE ZONES WERE COMPACTION IS IMPOSSIBLE OR IMPRACTICAL.
- MAINTAIN A MINIMUM VERTICAL CLEARANCE OF AT LEAST 1'-0" (300 MM) BETWEEN ALL UTILITIES AT CROSSINGS UNLESS OTHERWISE SPECIFIED BELOW.
- AT CROSSINGS OF POTABLE WATER MAINS AND SANITARY SEWERS, STORM SEWERS, FORCE MAINS, RECLAIMED/REUSE MAINS, OR CHILLED WATER MAINS, WHERE THE POTABLE WATER MAIN CROSSES ABOVE THE OTHER UTILITY, THE MINIMUM VERTICAL SEPARATION SHALL BE 18" (450 MM), OR AS REQUIRED BY THE STATE HEALTH DEPARTMENT, DEPARTMENT OF ENVIRONMENTAL QUALITY, OR AGENCY GOVERNING THE FACILITY OF POTABLE WATER, WHICHEVER IS GREATER.
- WHERE 18" (450 MM) CANNOT BE MAINTAINED OR WHERE POTABLE WATER LINES CROSS UNDER GRAVITY SEWERS, RECLAIMED/REUSE MAINS, OR CHILLED WATER MAINS, ADDITIONAL PROTECTION SHALL BE PROVIDED AS REQUIRED BY THE AGENCY GOVERNING THE FACILITY OF POTABLE WATER. ADDITIONAL PROTECTION SHALL CONSIST OF CONSTRUCTING BOTH PIPING SYSTEMS WITH DUCTILE IRON PIPE WITH RESTRAINED MECHANICAL JOINTS OR USE OF CONCRETE ENCASEMENT. THE ADDITIONAL PROTECTION SHALL EXTEND A MINIMUM DISTANCE OF 10'-0" (3 M) OUTSIDE THE LIMITS OF THE CROSSING.
- SANITARY SEWER FORCE MAINS SHALL ONLY CROSS UNDER POTABLE WATER MAINS WITH A MINIMUM VERTICAL CLEARANCE OF 18" (450 MM). WHEN THE VERTICAL CLEARANCE BETWEEN THE POTABLE WATER MAIN AND THE FORCE MAIN IS LESS THAN 18" (450 MM), BOTH THE WATER MAIN AND THE FORCE MAIN SHALL BE CONSTRUCTED WITH RESTRAINED MECHANICAL JOINT DUCTILE IRON PIPE AS INDICATED ABOVE FOR ADDITIONAL PROTECTION.
- THE PREFERRED VERTICAL CLEARANCE BETWEEN DUCT BANKS AND PIPED UTILITIES SHALL BE 2'-0" (300 MM) AND THE MINIMUM VERTICAL CLEARANCE SHALL BE 18" (450 MM).
- THE MINIMUM VERTICAL CLEARANCE TO ALL STEAM, PUMPED CONDENSATE, AND HOT WATER, AND OTHER UTILITIES SHALL BE AT LEAST 18" (450 MM). WHEN THIS VERTICAL CLEARANCE CANNOT BE MAINTAINED, THE INSULATION THICKNESS ON THE STEAM, CONDENSATE, OR HOT WATER MAIN SHALL BE INCREASED BY 50%.

CIVIL SHEET ABBREVIATIONS

ABBRV	ABBREVIATION	F/F	FACE TO FACE	SD	STORM DRAIN
ABC	AGGREGATE BASE COURSE	FF EL	FINISH FLOOR ELEVATION	SDMH	STORM DRAIN MANHOLE
AC	ASPHALTIC CONCRETE	FG	FINISH GRADE	SECT	SECTION
ACP	ASPHALTIC CONCRETE PAVING	FH	FIRE HYDRANT	SF	SQUARE FOOT (FEET)
ADA	AMERICANS WITH DISABILITIES ACT	FL	FLOW LINE	SHLDR	SHOULDER
AGGR	AGGREGATE	FM	FORCED MAIN SEWER	SMH	STEAM MANHOLE
APPROX	APPROXIMATE	FOC	FACE OF CURB	SP EL	SPOT ELEVATION
ASPH	ASPHALT	FT	FEET OR FOOT	SPEC	SPECIFICATION
ASSY	ASSEMBLY	FTG	FOOTING	SQ YD	SQUARE YARD
AVE	AVENUE			SS	SANITARY SEWER
		HC	HANDICAP	SSMH	SANITARY SEWER MANHOLE
BC	BACK OF CURB	HCP	HANDICAPPED	ST	STREET
BDRY	BOUNDARY	HDPE	HIGH DENSITY POLYETHYLENE	STLT	STREETLIGHT
BITUM	BITUMINOUS	HNDRL	HANDRAIL	STA	STATION
BLDG	BUILDING	HORIZ	HORIZONTAL	STD	STANDARD
BLVD	BOULEVARD			STM	STEAM
BM	BENCHMARK	ID	INSIDE DIAMETER OR INSIDE DIMENSION	SURF	SURFACE
BRG	BEARING	INFO	INFORMATION	SURV	SURVEY
		INV	INVERT	SW	SIDEWALK
CB	CATCH BASIN	INV EL	INVERT ELEVATION	SWR	SEWER
CFS	CUBIC FEET PER SECOND			SYM	SYMBOL
CIP	CAST IRON PIPE	LAT	LATITUDE		
CL	CENTER LINE	LF	LINEAR FEET (FOOT)	TAN	TANGENT
CLASS	CLASSIFICATION	LOC	LOCATION	TC	TOP OF CURB
CMP	CORRUGATED METAL PIPE	LP	LOW POINT	TD	TRENCH DRAIN
CMU	CONCRETE MASONRY UNIT	LS	LUMP SUM	TE	TOP ELEVATION
CO	SEWER CLEAN OUT			TEMP	TEMPORARY
CONC	CONCRETE	MATL	MATERIAL	THK	THICKNESS
CONSTR	CONSTRUCTION	MH	MANHOLE	THRU	THROUGH
COORD	COORDINATE	MIN	MINIMUM	TMH	TOP OF MANHOLE
CORR	CORRIDOR	MISC	MISCELLANEOUS	TOC	TOP OF CURB
CU FT	CUBIC FEET	MON	MONUMENT	TOC WALL	TOP OF CONCRETE WALL
CU YD	CUBIC YARD	MTG	MEETING	TOF	TOP OF FOOTING
		MULT	MULTIPLE	TOP	TOP OF WALL
DA	DRAINAGE AREA			TOPO	TOPOGRAPHY
DAT	DATUM	N	NORTH	TOS	TOP OF SLAB
DEG	DEGREE	NA	NOT APPLICABLE	TYP	TYPICAL
DEMO	DEMOLITION	NO	NUMBER		
DEPT	DEPARTMENT	NTS	NOT TO SCALE	UGND	UNDERGROUND
DESCR	DESCRIPTION			UNPV RD	UNPAVED ROAD
DET	DETAIL	OC	ON CENTER	UON	UNLESS OTHERWISE NOTED
DI	DROP INLET			UTIL	UTILITY
DIA	DIAMETER	PC	POINT OF CURVE		
DIFF	DIFFERENCE	PCT	PERCENT	VAR	VARIES
DIM	DIMENSION	PI	POINT OF INTERSECTION	VC	VERTICAL CURVE
DIP	DUCTILE IRON PIPE	PL	PROPERTY LINE	VERT	VERTICAL
DIR	DIRECTION	PRKG	PARKING	VIC	VICINITY
DIST	DISTANCE	PROJ	PROJECT	VOL	VOLUME
DWG	DRAWING	PROP	PROPOSED		
		PSI	POUNDS PER SQUARE INCH	W	WEST
E	EAST	PVC	POLYVINYL CHLORIDE (PLASTIC)	W/	WITH
EA	EACH			W/O	WITHOUT
EC	EDGE OF CURB	QTY	QUANTITY		
EG	EXISTING GRADE				
EL	ELEVATION	R	RADIUS		
ENGR	ENGINEER	RCB	REINFORCED CONCRETE BOX		
ENTR	ENTRANCE	RCP	REINFORCED CONCRETE PIPE		
EP	EDGE OF PAVEMENT (PAVING)	RD	ROAD OR ROOF DRAIN		
EPA	ENVIRONMENTAL PROTECTION AGENCY	REQD	REQUIRED		
EQUIP	EQUIPMENT	ROW	RIGHT OF WAY		
ERD	EXISTING ROOF DRAIN	RT	RIGHT		
ES	EDGE OF SHOULDER	RW	ROADWAY		
ESMT	EASEMENT				
EST	ESTIMATE				
EX	EXISTING				
EXIST	EXISTING				

CONTRACTOR NOTE

GENERAL CONTRACTOR TO RETAIN SERVICE FROM INDEPENDENT CONTRACTOR TO VERIFY AND MARK ON CONSTRUCTION DRAWINGS AND ON SITE THE LOCATION OF ALL UNDERGROUND UTILITIES ASSOCIATED WITH THIS PROJECT. CONTRACTOR SHALL PROVIDE ONE HARD AND ONE ELECTRONIC COPY OF SURVEY TO THE VA.

EXCAVATION NOTE

CONTRACTOR TO HAND DIG WITHIN 5' OF KNOWN UTILITIES.

LEGEND

	EXISTING	NEW
CONCRETE - STANDARD BROOM FINISH		
CONCRETE - STAINED BROOM FINISH		
STRUCTURAL DESIGN CONCRETE		
LIMITS OF CONSTRUCTION		
SIDEWALK		
8' HIGH CONSTRUCTION FENCE		
DECORATIVE LOUVERED FENCE		
WATERLINE	W	W
TELECOMUNNICATIONS	T	T
SANITARY SEWER LINE	SS	SS
STORM DRAIN LINE	SD	SD
UNDERGROUND ELECTRICAL LINE	UE	UE
UNDERGROUND GAS LINE	GAS	
SANITARY SEWER MANHOLE	S	
STORM DRAIN MANHOLE	D	D
SEWER/STORM PVC CLEAN-OUT	CO	CO
STORM DRAIN INLET		
WATER VALVE		
UTILITY LINE CAP		
FIRE HYDRANT		
FIRE DEPARTMENT CONNECTION	FDC	
STREETLIGHT		
ELECTRICAL MANHOLE	E	E
POST INDICATOR VALVE		PIV
TELECOMMUNICATIONS MANHOLE	T	
SIDEWALK SCUPPER		
BOLLARD LIGHT - SEE SHEET LP201 FOR ADDITIONAL INFORMATION		
FLOOD LIGHT - SEE SHEET LP201 FOR ADDITIONAL INFORMATION		
WALL LIGHT - SEE SHEET LP201 FOR ADDITIONAL INFORMATION		

CONSTRUCTION NOTES LEGEND

1	CONSTRUCT CONCRETE ELECTRICAL DUCT BANK - SEE DETAIL E, SHEET E-501
2	CONSTRUCT CONCRETE COMMUNICATION DUCT BANK - SEE DETAIL E, SHEET E-501
3	CONSTRUCT ELECTRICAL/TELECOM MANHOLE - SEE DETAIL C5, SHEET CG502
4	CONSTRUCT COMMUNICATION PULLBOX - SEE DETAIL B3, SHEET CG502
5	CONSTRUCT 6" ELBOW W/ 6"X2" REDUCER AND CAP FOR IRR. CONNECTION- SEE DETAIL F1, SHEET CG505
6	CONSTRUCT 6" PVC SANITARY SEWER LATERAL - SEE DETAIL B3, SHEET CG501
7	CONSTRUCT 6" SANITARY SEWER WYE CONNECTION TO EXISTING DIP SEWER MAIN
	W/ FERNCO 6" WYE TAP SADDLE TSW-6 OR APPROVED EQUAL - SEE DETAIL C3, SHEET CG504
8	CONSTRUCT 8" PVC STORM DRAIN PIPE - SEE DETAIL B3, SHEET CG501
9	CONSTRUCT 12" DIAMETER, 4" THICK CONCRETE COLLAR AROUND STAND PIPE AT FINISH GRADE
10	CONSTRUCT 3" TYPE "K" COPPER WATER SERVICE LATERAL - SEE DETAIL C8, SHEET CG502
11	CONSTRUCT DOMESTIC WATER SERVICE CONNECTION - SEE DETAIL C8, SHEET CG502
12	CONSTRUCT FIRE HYDRANT CONNECTION - SEE DETAIL F1, SHEET CG502
13	INSTALL 'RELOCATED' FIRE HYDRANT #15 INDICATED ON SHEET CD101 - SEE DETAIL F1, SHEET CG502
14	CONSTRUCT FIRE DEPARTMENT CONNECTION - SEE SHEET FS100 FOR ADDITIONAL INFORMATION
15	CONSTRUCT POST INDICATOR VALVE - SEE DETAIL F6, SHEET CG502
16	CONSTRUCT 6" DUCTILE IRON FIRE CONNECTION AND 6" DUCTILE IRON FIRE LINE
17	CONSTRUCT 48" STORM DRAIN MANHOLE - SEE DETAIL C1, SHEET CG504
18	CONSTRUCT 6" PVC SANITARY OR 8" PVC STORM DRAIN CLEANOUT - SEE DETAIL C3, SHEET CG504
19	CONSTRUCT 18"X18" CATCH BASIN, SEE DETAIL E5, SHEET CG504
20	CONSTRUCT 100W STREET LIGHT - SEE DETAIL B5, SHEET CG503
21	CONSTRUCT (2) 3/4" PVC ELECTRICAL CONDUIT - SEE DETAIL B3, SHEET CG501
22	CONSTRUCT 3/4" PVC ELECTRICAL CONDUIT - SEE DETAIL B3, SHEET CG501
23	FREE STANDING ELECTRICAL/TELECOMMUNICATIONS CABINET ON CONCRETE PAD - SEE SHEET ES100
24	CONSTRUCT 6" PVC STORM DRAIN PIPE UNDER SIDEWALK - SEE DETAIL E5, SHEET CG503
25	CONNECT S.D. PIPE TO EXISTING STORM DRAIN MANHOLE - SEE DETAIL C1, SHEET CG504
26	CONSTRUCT 1" PVC ELECTRICAL CONDUIT - SEE DETAIL B3, SHEET CG501
27	CONNECT NEW CONCRETE ELECTRICAL / TELECOM DUCT TO EXISTING CONC. DUCT
	- SEE DETAIL F5, SHEET CG506
28	CONSTRUCT NEW CONDUCTORS WITHIN EXISTING CONCRETE ELECTRICAL DUCT - SEE SHEET ES100A
29	CONSTRUCT NEW LIGHTED BOLLARD - SEE SHEET LL201 FOR ADDITIONAL INFORMATION
30	CONSTRUCT NEW PLANTER BOLLARDS AND DECORATIVE BOLLARDS - SEE SHEETS LP101 AND LP301

UTILITY NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO MECHANICAL UTILITIES AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING, CLEANING, AND STERILIZING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.
2. MINIMUM DEPTHS OF COVER SHALL BE: 36" FOR WATERLINES AND 48" FOR SEWER, EXCEPT AT BUILDING CONNECTION.
3. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED OF HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE IAPMO UNIFORM PLUMBING CODE & NFPA 24, LATEST EDITION.
4. UTILITY LINES SHALL BE INSTALLED PRIOR TO PAVEMENT, CURB AND GUTTER, AND/OR SIDEWALK, AS APPLICABLE.
5. ROUGH GRADING OF SITE (+/- 0.5') SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.
6. CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS TO NEW AND EXISTING BUILDING DRAIN LINES AND ALL NECESSARY FITTINGS.
7. ALL VALVES SHALL BE ANCHORED PER DETAIL F1, SHEET CG505.
8. FIRE LINES SHALL USE PIPE MATERIALS UNDERWRITERS LABORATORIES LISTED AND APPROVED FOR FIRE SERVICE.
9. UTILITY LOCATIONS DETERMINED FROM VA MASTER UTILITY PLAN. CONTRACTOR SHALL VERIFY INVERTS AND LOCATIONS OF EXISTING UTILITY LINES PRIOR TO BEGINNING OF WORK. ALL CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE C.O.R. AND RESOLVED PRIOR TO BEGINNING OF WORK.
10. CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION OF FIRE SERVICE LINES, AND PRIOR TO TESTING OF ALL WATERLINES. CONTRACTOR SHALL COMPLETE, SIGN, AND SUBMIT THE "CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING" IN ACCORDANCE WITH NFPA 24.
11. PROTECT ALL SITE DRAINS WITH FITTED FILTER FABRIC AND SILT FENCING TO REDUCE AND CONTAIN SILT RUNOFF FROM ENTERING THE DRAIN. FABRIC MUST BE CLEANED ON A DAILY BASIS.
12. NEW TRANSFORMER REQUIRES UPDATE TO SPILL PREVENTION, CONTAINMENT, AND CONTROL (SPCC) PLAN. COORDINATE WITH COR.
13. BOTTOM OF GENERATOR DAY TANK TO BE AT LEAST 1" ABOVE CONCRETE PAD.

SURVEY DISCLAIMER

SURVEY INFORMATION OF SITE DETERMINED FROM VA SUPPLIED AS-BUILT DRAWINGS AND , PHOTOGRAPHIC, VISUAL, AND LIDAR SURVEY CONDUCTED BY TRIPLE C. CONSTRUCTION HAS OCCURRED ON THIS SITE SINCE THE SURVEY WAS COMPLETED. CONDITION OF THE SITE MAY VARY FROM THE SURVEYED CONDITION. UTILITY LOCATIONS ARE IN APPROXIMATE LOCATION. CONTRACTOR TO PROVIDE UTILITY LOCATION SERVICE PRIOR TO EXCAVATION FOR VERIFICATION OF LOCATION AND DEPTH OF ALL UTILITIES TO PROVIDE NON-INTERRUPTION OF SERVICE, TO ENSURE PROPER CLEARANCE/SEPARATION, AND TO AVOID DAMAGE THERETO. UTILITIES DAMAGED THROUGH NEGLIGENCE OF THE CONTRACTOR TO OBTAIN LOCATION OF SAME SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

Revisions: Date:

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Date Signed 05/09/2022
ARIZONA, U.S.A.
EXPIRES: 12/31/24

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
CIVIL UTILITY PLAN & PROFILE ELEC DUCT BANK AT NEW TUNNEL	ISSUED FOR CONSTRUCTION	NEW COMMUNITY LIVING CENTER	620-334
Approved:		Location: 2094 Albany Post Road, Montrose, NY 10548	Building Number: CLC
		Issue Date: 05/09/2022 / Checked: PERKINS / Drawn: STRUBLE	Drawing Number: CU201

VA FORM 08 - 6231