UTILITY NOTES:
1. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH JAMES NUCKLES, (540) 853-2953, CITY OF ROANOKE AND THE UTILITY OWNERS/PROVIDERS. THE PANEL CONNECTION WILL REQUIRE A TWO WEEK NOTICE.
2. THE LIGHT POLE REMOVAL WILL COORDINATE THE REMOVAL OF THE ALP UTILITY POLE REMOVAL.
3. REFER TO THE AEP FOR ALL UTILITY ENTRANCE LOCATIONS AND ADDITIONAL SITE UTILITIES.
4. REFER TO ELECTRICAL PLANS FOR ADDITIONAL CONDUIT AND FEED LOCATIONS AND EXTERIOR LIGHTING REQUIREMENTS.
5. ALL WORK IN THE RIGHT-OF-WAY SHALL ADHERE TO THE CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS. THE REPAIR SHALL BE MADE SEAMLESS THROUGH THE USE OF INFRARED TECHNOLOGY OR OTHER APPROVED TECHNOLOGY BY THE CITY OF ROANOKE.
6. THE TOP OF THE ELECTRICAL CONDUITS AND THE DUCT BANKS SHALL BE A MINIMUM OF 2.0' BELOW FINISHED GRADE.
7. ALL NEW UTILITIES SHALL BE UNDERGROUND.
8. DO NOT DISTURB ANY ACTIVE UTILITIES DURING CONSTRUCTION UNLESS THEY ARE IDENTIFIED OTHERWISE.

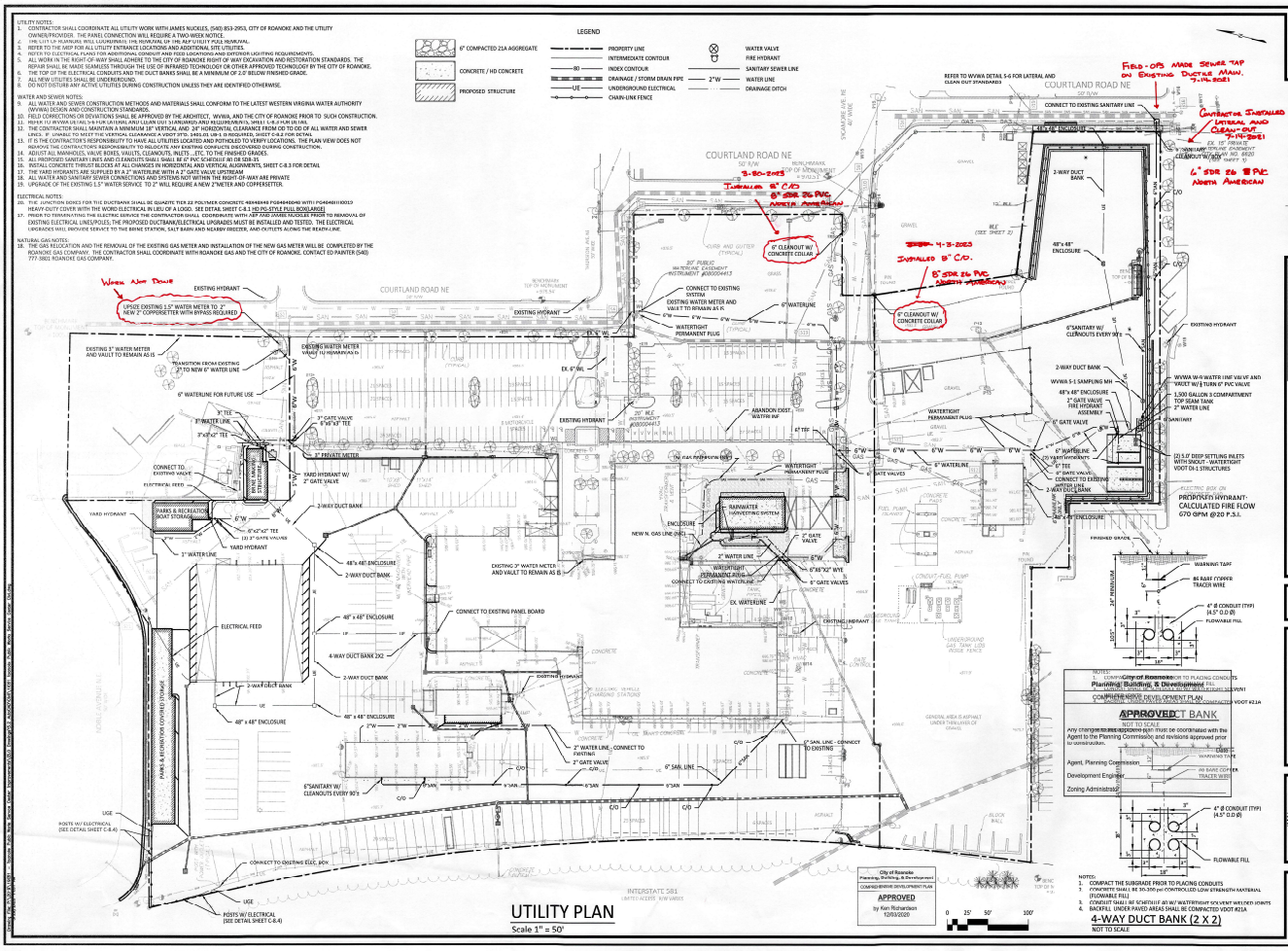
WATER AND SEWER NOTES:
9. ALL WATER AND SEWER CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST WESTERN VIRGINIA WATER AUTHORITY (WVWA) DESIGN AND CONSTRUCTION STANDARDS.
10. FIELD CORRECTIONS OR DEVIATIONS SHALL BE APPROVED BY THE ARCHITECT, WVWA, AND THE CITY OF ROANOKE PRIOR TO SUCH CONSTRUCTION.
11. REFER TO WVWA DETAIL S-6 FOR LATERAL AND CLEAN OUT STANDARDS AND REQUIREMENTS. SHEET C-6.2 FOR DETAIL
12. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 18" VERTICAL AND 24" HORIZONTAL CLEARANCE FROM OD TO OD OF ALL WATER AND SEWER LINES. IF UNABLE TO MEET THE VERTICAL CLEARANCE A VDOT STD. SMS.01 UB-1 IS REQUIRED. SHEET C-6.2 FOR DETAIL
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL UTILITIES LOCATED AND POTHOLED TO VERIFY LOCATIONS. THE PLAN VIEW DOES NOT REMOVE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ANY EXISTING CONFLICTS DISCOVERED DURING CONSTRUCTION.
14. ADJUST ALL MANHOLES, VALVE BOXES, VAULTS, CLEANOUTS, INLETS, ETC. TO THE FINISH GRADES.
15. ALL PROPOSED SANITARY LINES AND CLEANOUTS SHALL BE A SDR-26 PVC PER ASTM D-3034-89.
16. REFER TO ARCHITECT'S SITE PLAN FOR ADDITIONAL DIMENSIONAL AND VERTICAL ALIGNMENTS, SHEET C-8.3 FOR DETAIL
17. THE YARD HYDRANTS ARE SUPPLIED BY A 2" WATERLINE WITH A 2" GATE VALVE UPSTREAM
18. ALL WATER AND SANITARY SEWER CONNECTIONS AND SYSTEMS NOT WITHIN THE RIGHT-OF-WAY ARE PRIVATE
19. UPGRADE OF THE EXISTING 1.5" WATER SERVICE TO 2" WILL REQUIRE A NEW 2"METER AND COPPERFITTER.

ELECTRICAL NOTES:
20. THE JUNCTION BOXES FOR THE DUCTBANK SHALL BE QUAZITE TIER 22 POLYMER CONCRETE 48H48H48 PG04848H40 WITH PG04848H30D13 HEAVY DUTY COVER WITH THE WORD ELECTRICAL IN LIEU OF A LOGO. SEE DETAIL SHEET C-8.1 HD PG STYLE FULL BOXLARGE
17. PRIOR TO TERMINATING THE ELECTRIC SERVICE THE CONTRACTOR SHALL COORDINATE WITH AEP AND SKANSKI RODGER PRIOR TO REMOVAL OF EXISTING ELECTRICAL LINES/POLES. THE PROPOSED DUCTBANK/ELECTRICAL UPGRADES MUST BE INSTALLED AND TESTED. THE ELECTRICAL UPGRADES WILL PROVIDE SERVICE TO THE BRINE STATION, SALT BARN AND NEARBY BREEZER, AND OUTLETS ALONG THE BEATY LINE.

NATURAL GAS NOTES:
18. THE GAS RELOCATION AND THE REMOVAL OF THE EXISTING GAS METER AND INSTALLATION OF THE NEW GAS METER WILL BE COMPLETED BY THE ROANOKE GAS COMPANY. THE CONTRACTOR SHALL COORDINATE WITH ROANOKE GAS AND THE CITY OF ROANOKE. CONTACT ED PARTER (540) 777-3801 ROANOKE GAS COMPANY.

LEGEND

6" COMPACTED 21A AGGREGATE	PROPERTY LINE
CONCRETE / HD CONCRETE	INTERMEDIATE CONTOUR
PROPOSED STRUCTURE	INDEX CONTOUR
	DRAINAGE / STORM DRAIN PIPE
	UNDERGROUND ELECTRICAL
	CHAIN-LINK FENCE
	WATER VALVE
	FIRE HYDRANT
	SANITARY SEWER LINE
	WATER LINE
	DRAINAGE DITCH


COURTLAND ROAD NE
INTERSTATE 581
EXISTING HYDRANT
UPSIZE EXISTING 1.5" WATER METER TO 2" NEW 2" COPPERFITTER WITH BYPASS REQUIRED
EXISTING 1" WATER METER AND VAULT TO REMAIN AS IS
TRANSITION FROM EXISTING 2" TO NEW 6" WATER LINE
6" WATERLINE FOR FUTURE USE
3" TEE
3" WATER LINE
3"x3"x2" TEE
3" GATE VALVE & 90°x3" TEE
3" PRIVATE METER
CONNECT TO EXISTING VALVE
ELECTRICAL FEED
YARD HYDRANT W/ 2" GATE VALVE
YARD HYDRANT
6"W
6"x2"x2" TEE
(2) 2" GATE VALVES
YARD HYDRANT
1" WATER LINE
2-WAY DUCT BANK
48"x 48" ENCLOSURE
2-WAY DUCT BANK
48" x 48" ENCLOSURE
CONNECT TO EXISTING PANEL BOARD
ELECTRICAL FEED
4-WAY DUCT BANK 2X2
2-WAY DUCT BANK
2-WAY DUCT BANK
48" x 48" ENCLOSURE
48" x 48" ENCLOSURE
PARKS & RECREATION BOAT STORAGE
PARKS & RECREATION CONTRACTORS
2"W
2" WATER LINE - CONNECT TO PAVILIONS
2" GATE VALVE
6" SAN. LINE
6" SAN. LINE - CONNECT TO EXISTING
6"SANITARY W/ CLEANOUTS EVERY 90'±
6"SAN
C/O
UGE
POSTS W/ ELECTRICAL (SEE DETAIL SHEET C-8.4)
CONNECT TO EXISTING ELEC. BOX
EX. 6" WL
20' PUBLIC WATERLINE EASEMENT INSTRUMENT #080004413
CONNECT TO EXISTING SYSTEM
EXISTING WATER METER AND VAULT TO REMAIN AS IS
6" WATERLINE
WATERTIGHT PERMANENT PLUG
ABANDON EXIST. WATER INF
44" TEE
EXISTING WATER METER AND VAULT TO REMAIN AS IS
NEW N. GAS LINE (HP)
RAINWATER HARVESTING SYSTEM
2" GATE VALVE
2" WATER LINE
6"W
6"48"X2" WYE
(3) 6" GATE VALVES
CONNECT TO EXISTING WATERLINE
EX. WATERLINE
EXISTING HYDRANT
EXISTING HYDRANT
6" GATE VALVES
6" WATERLINE
6" GATE VALVES
CONNECT TO EXISTING WATER LINE
2-WAY DUCT BANK
48" x 48" ENCLOSURE
FINISHED GRADE
24" MINIMUM
WARNING TAPE
#6 BARE COPPER TRACER WIRE
4" Ø CONDUIT (TYP) (4.5" O.D.Ø)
FLOWABLE FILL
48"
3"
6"
18"
GENERAL AREA IS ASPHALT UNDER THIN LAYER OF GRAVEL
UNDERGROUND GAS TANK (LOW FOOSE FENCE)
CONCRETE PADS
FUEL PUMP ISLANDS
BLOCK WALL
SEALCOAT VEHICULAR CHARGING STATIONS
BUILDING OUTLINE
CONCRETE
ASPHALT
GRAVEL
GRASS
CURB AND GUTTER (TYPICAL)
SIDEWALK (TYP.)
WALKWAY
PARKING
SAN
GAS
FIBER
WATER
GATE VALVE
FIRE HYDRANT
CONDUIT/FUEL PUMP
UNDERGROUND GAS TANK
BENCH TOP OF SLOPE
BENCH TOP OF SLOPE
REFER TO WVWA DETAIL S-6 FOR LATERAL AND CLEAN OUT STANDARDS
CONNECT TO EXISTING SANITARY LINE
FIELD-OPS MADE SEWER TAP ON EXISTING DUCTBAK MAIN. 7-16-2021
CONTRACTOR INSTALLED LATERAL AND CLEAN-OUT 7-16-2021
EX. 15" PRIVATE SANITARY SEWER EASEMENT INSTRUMENT #080004413
6" SDR 26 PVC NORTH AMERICAN
INSTALLED 6" C/O
6" SDR 26 PVC NORTH AMERICAN
6" CLEANOUT W/ CONCRETE COLLAR
INSTALLED 4-2-2021
INSTALLED 8" C/O
6" CLEANOUT W/ CONCRETE COLLAR
WORK AIR DRIVE
2-WAY DUCT BANK
48"x 48" ENCLOSURE
6"SANITARY W/ CLEANOUTS EVERY 90'±
EXISTING HYDRANT
2-WAY DUCT BANK
WVWA S-1 SAMPLING MH
48"x 48" ENCLOSURE
1,500 GALLON 3 COMPARTMENT TOP SEAM TANK
2" WATER LINE
SANITARY
WVWA W-9 WATER LINE VALVE AND VAULT W/ 1/2 TURN 6" PVC VALVE
6" GATE VALVE
6" WATERLINE
(2) 5.0' DEEP SETTLING INLETS WITH SNOUT - WATERTIGHT VDOT DI-1 STRUCTURES
PROPOSED HYDRANT- CALCULATED FIRE FLOW 670 GPM @20 P.S.I.
ELECTRIC BOX (?)
WATERTIGHT PERMANENT PLUG
6" GATE VALVES
6" WATERLINE
2-WAY DUCT BANK
48"x 48" ENCLOSURE
EXISTING HYDRANT
EXISTING HYDRANT
EXISTING HYDRANT