PROJECT REFERENCE NO.	SHEET NO.
B-4159	UC-6
DESIGNED BY: VW	
DRAWN BY: VW	
CHECKED BY: RDH	
APPROVED BY:	
REVISED: 6/25/15	

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8958 Signed by Michael J. Warters ENGINEER MICHAEL J. WARTERS

McGill ASSOCIATES ENGINEERING-PLANNING-FINANCE

10/13/2015
UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION
WATER SYSTEM IMPROVEMENTS

PLAN

GRAPHIC SCALE 1 INCH = 50 FEET

REVISIONS

PROP PLUG AND ABANDON 6" WATER LINE
PROP FIRE HYDRANT
PROP 40 LF 12" WATER LINE
PROP CONTROL VALVE UTILITY VAULT NOTE: SEE DETAILS
PROP 12" VALVE
PROP 6" VALVE
PROP WATER LINE STA. 12+75 INSTALL 16"X12" REDUCER AND BEGIN TEMPORARY WATER LINE INSTALLATION. SEE NOTES AND OTHER SHEETS
PROP RECONNECT 2–WATER METERS
PROP 375 LF 6" WATER LINE
PROP CONNECT TO EXISTING 6" WATER LINE WITH FITTINGS AS REQUIRED (TYPICAL)
PROP PLUG AND ABANDON 6" WATER LINE
PROP TEMPORARY WATER LINE AND RIVER PIPE. SEE OTHER SHEETS.
PROP CONNECT NEW 1" WATER LINE TO EXISTING LINE WITH FITTINGS AS REQUIRED
PROP 91 LF 16" WATER LINE
PROP 150 LF 1" WATER LINE
PROP ABANDON 195 LF 12" UTILITY PIPE
PROP TEMPORARY DIP WATER LINE CONNECTION. CONNECT TO EXISTING WATER LINE UNTIL NEW 16" WATER LINE HAS BEEN COMPLETED.
PROP 16" VALVE
PROP INSTALL 16"X12" REDUCER
PROP 12"X12"X8" TEE w/ STEEL
PROP 12" VALVE
PROP RECONNECT EXISTING 6" WATER LINE WITH 16"X16"X6" TEE AND FITTINGS AS REQUIRED
PROP 80 LF 8" SANITARY GRAVITY SEWER REPLACE 8" PVC SEWER LINE IN SAME LOCATION AND GRADE W/ DIP
PROP 370 LF 16" WATER LINE
PROP INSTALL 16"X16"X16" TEE, 16"X10" REDUCER
PROP 10" VALVE
PROP 40 LF 10" WATER LINE
PROP 4–16" VALVES
PROP 264 LF 2" WATER LINE PVC WATER LINE
PROP CONNECT TO EXISTING 6" WATER LINE WITH FITTINGS AS REQUIRED
PROP RECONNECT WATER METER
PROP ABANDON 294 LF 12" UTILITY PIPE
PROP INSTALL PLUG AT 8" VALVE FOR FUTURE SERVICE
PROP 8" VALVE
PROP INSTALL 10"X10"X6" TEE, 10"X8" REDUCER
PROP PLUG AND ABANDON 6" WATER LINE UNDER ROAD
PROP 2" VALVE TAP NEW 16" WATER LINE W/ 2" TAP
PROP CONNECT TO EXISTING 12" WATER LINE WITH 16"x16"x16" TEE AND 16"X12" REDUCER. CONNECT NEW 2" WATER LINE WITH 16" PLUG TAPPED 2" AND 2" GATE VALVE AND BOX. PLUG AND ABANDON EXISTING 12" LINE ON RIVER SIDE.
NOTE: EXISTING 12" DIP RAW WATER LINE IS APPROXIMATELY 18" UNDER 12" DIP WATER TO BE CONNECTED.
CONTRACTOR NOTE: IN ADDITION TO 12" FINISH WATER LINE, THERE ARE TWO (2) 12" RAW WATER LINES IN SHOULDER, ONE FOR TWSA AND ONE FOR WCU. CONTRACTOR TO FIELD VERIFY LOCATION OF 12" DIP RAW WATER LINES AND ALL OTHER UNDERGROUND UTILITIES.
PROP REMOVE EXISTING CONTROL VALVE AND VAULT.
PROP REMOVE FIRE HYDRANT
PROP RELOCATE WATER METER
PROP RELOCATE WATER METER
PROP CONNECT TO EXISTING 8" WATER LINE WITH FITTINGS AS REQUIRED
PROP 95 LF 8" WATER LINE
PROP RELOCATE 3–WATER METERS
PROP ABANDON 265 LF 12" UTILITY PIPE
PROPOSED SEWER LINE. SEE OTHER SHEETS.
PROP 8" VALVE
PROP 60 LF 8" WATER LINE
PROP CONNECT TO EXISTING 8" WATER LINE WITH 45° FITTINGS AS REQUIRED.
PROP PLUG AND ABANDON 8" WATER LINE
PROP 45 LF 8" WATER LINE
PROP 8"X8"X8" TEE
PROP 2– 8" VALVES
PROP CONNECT NEW WATER LINE TO EXISTING 12" DIP WATER LINE WITH FITTINGS AS REQUIRED
PROP 1" VALVE
NOTE: TAP WATER LINE WITH 1" TAP AND CONNECT TO NEW 1" PVC WATER LINE
BEGIN STRUCTURE LUMP SUM PAY ITEM FOR WATER LINE INSTALLATION –L– STA. 18+68/17' L
END STRUCTURE LUMP SUM PAY ITEM FOR WATER LINE INSTALLATION –L– STA. 21+88/19' L
BEGIN BRIDGE –L– STA. 18+66.00
END BRIDGE –L– STA. 21+66.00
SEE STRUCTURAL UTILITY PLANS FOR WATER PIPE ATTACHMENT
PROP RESTRAINED JOINT 16" WATER LINE INSTALLED ON BRIDGE. SEE OTHER SHEETS.
PC Sta. 12+37.98
PT Sta. 13+67.12
PT Sta. 16+67.56
–Y2– POT Sta. 16+95.90 –L– POT Sta. 24+41.06 N 46° 56' 12.0" W
–Y1– POT Sta. 13+02.54 –L– POT N 73° 25' 29.0" E
BEGIN CONSTRUCT –DR1– POT Sta. 10+50.00
CC Sta. 10+63.82
S 7° 57' 03.7" E
N 49° 06' 06.9" W
KOKOPELLI VILLAGE, LLC
MERRITT INDUSTRIAL PARK, INC
SAMUEL R. HOPKINS
CONSOLIDATED PROPERTY SERVICES, INC.
JAMIE PRENTICE
NORMAN A. WEST
LOUAN & MARION COOPER
ARNOLD ASHE
JOHN F. & MARY BRYSON
CASEY ROAD
HEIRS
MOSS HOLDINGS INC.
BAPTIST CHURCH
BOB WHEATLEY
JED A. HALEY
PARK PLACE MOBILE HOME, INC.
WNC VENTURES, INC.
SR 1002
WNC GRD 83 '95

PROFILE

SCALE: HORIZ. 1"= 50'
VERT. 1"= 50'

PROP CONTROL VALVE VAULT AND 16" BUTTERFLY VALVES. SEE OTHER SHEETS.
PROP FIRE HYDRANT
6" SEWER
6" WATER (ABANDON)
4" GAS
LIMITS OF STRUCTURAL LUMP SUM PAY ITEMS
PROP INSTALL 16"X12" REDUCER
PROP 12" GATE VALVE CONNECT NEW WATER LINE TO EXISTING 12" DIP WATER LINE WITH FITTINGS AS REQUIRED
EXISTING 12" WATER LINE
PROP 12"X12"X8" TEE
PROP 16" BUTTERFLY VALVE
PROP 16"X16"X6" TEE
PROP WATER LINE STA. 12+75 INSTALL 16"X12" REDUCER AND BEGIN TEMPORARY WATER LINE INSTALLATION
PROP 16" WATER LINE
PROP RESTRAINED JOINT 16" WATER LINE INSTALLED ON BRIDGE. SEE OTHER SHEETS.
PROP CONNECT TO EXISTING 12" WATER LINE WITH 16"x16"x16" TEE AND 16"X12" REDUCER. NOTE: EXISTING 12" DIP RAW WATER LINE IS APPROXIMATELY 18" UNDER 12" DIP WATER TO BE CONNECTED.
BEGIN STRUCTURE LUMP SUM PAY ITEM FOR WATER LINE INSTALLATION –L– STA. 18+68 / 17' L
END STRUCTURE LUMP SUM PAY ITEM FOR WATER LINE INSTALLATION –L– STA. 21+88 / 19' L
2085 2080 2075 2070 2065 2060 2055 2050
9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00

NOTE: ALL WATER LINES GREATER THAN 2" DIAMETER SHALL BE CLASS 350 DUCTILE IRON. ALL WATER LINES 2" OR SMALLER SHALL BE SDR 13.5 PVC.

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