

CONDUIT PLAN

DATE OF PREPARATION: 07/12/24

LOCAL "A" CROSSING TYP. LENGTH 50

LOCAL "B" CROSSING TYP. LENGTH 60

CONDUIT SLEEVES BASED ON CPS PRELIMINARY DESIGN
ISSUED ON: 07/01/24

LOOP 1 INFO

ADDED XFMRs
50KVA - 6 = 300KVA
75KVA - = 825KVA
100KVA - 4 = 400KVA
TOTAL LOAD = 1,525KVA

LOOP 2 INFO

ADDED XFMRs
50KVA - 3 = 150KVA
75KVA - 2 = 150KVA
100KVA - 2 = 200KVA
EXISTING LOAD- 1,100 KVA
TOTAL LOAD = 1,600 KVA

HIGHPOINT UNIT 2I (BCA: 244203)
ELECTRIC & GAS/ 4,000 SQFT/ 118 UNTIS/ HV SYSTEM
SCALE: 1"= 100'
ESTIMATED NEW POLES = +/-13
ESTIMATED TRENCH = +/- 8,600 TRENCH (ROCK)

ELECTRIC & GAS				
PG NO.2				
Average Living Space	4000	HIGHPOINT UNIT 2I		
# OF HOMES	TRANSFORMER KVA NAMEPLATE	TOTAL KVA	MAX	
1	25	18	210	150 / 290
2	50	34	105	45 / 145
3	50	50	0	0
4	75	65	0	135
5	75	80	0	0
6	100	94	0	0
7	100	108	0	0
8	0	0	0	0
9	0	0	0	0
10	0	0	0	0
11	0	0	0	0
12	0	0	0	0

FOR LOOP 2 - BLUE
SCRAP PRIMARY AND
ABANDON CONDUIT
FROM RISER TO
TRANSFORMER ON
SLAB #2316242

HAND TRENCH 5' TO
ADD NEW CONDUIT
FOR LOOP TIE-IN

FOR LOOP 1 - RED
TIE-IN TO EMPTY
CONDUITS

EXTEND 3 PHASE OHE

EXTEND 3 PHASE OHE

EXTEND 3 PHASE OHE

DRAIN CROSSING

WHAT TYPE OF
DRAIN?

PROVIDE DEPTH OF
DRAIN FOR CONDUIT
CLEARANCES?

DRAIN
CROSSING

SEWER
CROSSING

AT ALL CURB INLETS IN CONFLICT W/
WATER MAIN (4), PROVIDE A 15' EGTV ESMT
CPS MATERIAL AND TRENCH TO BE AT 8' TO
AVOID ANY CONFLICTS

DRAIN CROSSING

WHAT TYPE OF
DRAIN?

PROVIDE DEPTH OF
DRAIN FOR CONDUIT
CLEARANCES?

WATER
CROSSING

NOTES:

- ALL CONDUIT SLEEVES TO BE EXTENDED TO FULL WIDTH OF RIGHT OF WAY (50 L.F. FOR LOCAL A) AND (60 L.F. FOR LOCAL B).
- DRAIN CROSSING LENGTHS TO BE NOTED ON THE PLAN VIEW.
- DEVELOPER DRIVEN CONDUIT BUNDLES FOR IRRIGATION OR PRIVATE STREET LIGHTS ARE SHOWN ON THE OVERALL UTILITY PLAN.
- CONDUIT SLEEVE LOCATIONS SHOWN ARE SCHEMATIC ONLY. EXACT LOCATIONS TO BE DETERMINED BY CONTRACTOR.
- ALL CONDUITS TO BE USED FOR ELECTRIC OR GAS UTILITY CROSSINGS SHALL BE INSTALLED TO MEET OR EXCEED DESIGN REQUIREMENTS FOR THE UTILITY WHICH THEY ARE SERVING, INCLUDING BUT NOT LIMITED TO THE DETPH, TRENCH PLACEMENT, AND PROXIMITY TO OTHER UTILITIES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING AND INSTALLING CONDUIT SLEEVES TO MEET THESE SPECIFICATIONS

A Bundle "A"
(2) 6" CONDUIT URD
(1) 6" CONDUIT GAS
(2) 4" CONDUIT ATT/SPECTRUM

B Bundle "B"
(1) 6" CONDUIT URD
(1) 6" CONDUIT GAS
(2) 4" CONDUIT ATT/SPECTRUM