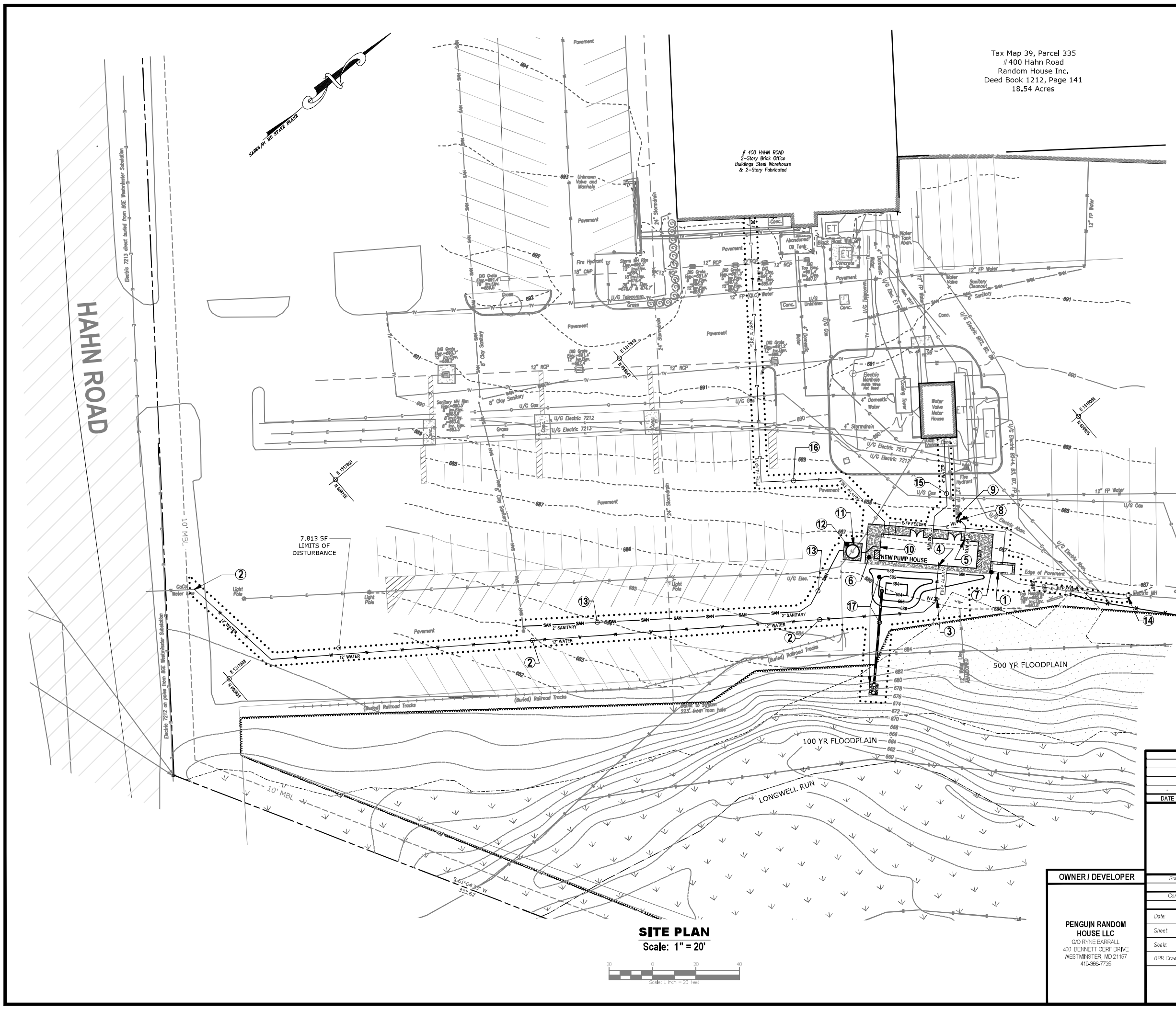

GENERAL NOTES

1. THE LIMITS OF DISTURBANCE AND THE PAVEMENT SAWCUT/EDGE OF PAVEMENT LINES ARE THE SAME; HOWEVER, FOR GRAPHICAL CLARITY, THE LIMITS OF DISTURBANCE LINE IS SHOWN OFFSET FROM THE PAVEMENT LINE.

-NEW PUMP HOUSE CONSTRUCTION	APPROX. 7,873 SF LOD
-OLD PUMP HOUSE DEMOLITION	APPROX. 1,262 SF LOD
	9,075 SF LOD

   **THE LIMITS OF DISTURBANCE LINE IS OFFSET FROM THE ACTUAL LOD FOR GRAPHICAL CLARITY.

2. PIPE MAY BE INSTALLED BY TRENCHLESS EXCAVATION USING DIRECTIONAL DRILLING OR TRENCHING EXCEPT WHERE NOTED.
3. THE UTILITY WORK SHOWN WITHIN THE LIMITS OF DISTURBANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH CARROLL COUNTY'S STANDARDS & SPECIFICATIONS. EXISTING ITEMS THAT MUST BE DISTURBED OR REMOVED AS A RESULT OF THE CONTRACTOR'S NORMAL OPERATIONS, INCLUDING CONCRETE OR BRICK SIDEWALK, CURBING, ROADWAY PAVEMENT, ETC, SHOULD BE RESET OR REPLACED IN-KIND AND INSTALLED BACK TO THE EXISTING LINE & GRADE, OR AS DIRECTED BY THE COUNTY INSPECTOR IN THE FIELD.
4. THE EDGES OF ASPHALT PAVEMENT SHALL HAVE A BITUMINOUS SEALANT.
5. SANITARY SEWER SHALL HAVE A MINIMUM SLOPE OF 1.0%.
6. COORDINATE SANITARY SEWER CONNECTION WITH PUMP HOUSE MANUFACTURER.

CONSTRUCTION NOTES (KEYED)

1. RELOCATED 300 KVA, 277/480V XFMR FIRE PUMP TRANSFORMER.
2. INSTALL NEW 12" CEMENT LINED DUCTILE IRON UNDERGROUND (AWWA C104) OR AWWA C900 PVC .
3. INSTALL NEW 12" POST INDICATOR VALVE WITH INTEGRAL TAMPER SWITCH.
4. INSTALL NEW 12" CEMENT LINED DUCTILE IRON (AWWA C104) OR AWWA C900 PVC INTO NEW FIRE PUMP HOUSE. COORDINATE WITH FIRE PUMP VENDOR FOR EXACT LOCATION OF INCOMING AND INSTALLATION REQUIREMENTS.
5. INSTALL NEW 12" AWWA C900 PVC FROM FIRE PUMP'S DISCHARGE MANIFOLD. COORDINATE WITH FIRE PUMP VENDOR FOR EXACT LOCATION OF DISCHARGE PIPING AND INSTALLATION REQUIREMENTS.
6. PROVIDE NEW ±18'-0" x 56'-7" CONCRETE PAD FOR NEW FIRE PUMP ENCLOSURE.
7. PROVIDE NEW 5' x 11' CONCRETE PAD FOR NEW FIRE PUMP TRANSFORMER.
8. NEW 12" UNDERGROUND GATE VALVE WITH EXTENSION STEM & ROADWAY BOX.
9. CONNECT TO EXISTING 12" UNDERGROUND.
10. INSTALL NEW 4" FROM PUMP HOUSE FLOOR DRAIN TO STH PREFABRICATED DUPLEX LIFT STATION. COORDINATE WITH STH FOR EXACT REQUIREMENTS.
11. PROVIDE NEW STH PREFABRICATED FIBERGLASS DUPLEX LIFT STATION, DUPLEX SUMP, NEMA 4X SUMP CONTROLLER, AND ALL REQUIRED APPURTENANCES. COORDINATE POWER WITH STH.
12. PROVIDE NEW 8'-2" X 8'-2" CONCRETE PAD FOR LIFT STATION.
13. INSTALL NEW 2" SANITARY PIPE FROM SUMP & CONNECT TO EXISTING 8" SANITARY MAIN.
14. INTERCEPT & REEED EXISTING "E-FP" FEEDER FROM MANHOLE TO FIRE PUMP ENCLOSURE & TRANSFORMER AS NEEDED.
15. PROVIDE NEW 4" DOMESTIC WATER PIPE. TRANSITION UNDERGROUND PVC/POLYETHYLENE TO NEW TYPE K COPPER AND CONNECT TO EXISTING. PROVIDE NEW 4" SHUTOFF VALVE.
16. NEW FIRE ALARM CONDUIT FROM MAIN FACP IN BLDG #1 AND TO POST INDICATOR VALVE'S TAMPER SWITCH. COORDINATE WITH PRH & FIRE ALARM CONTRACTOR FOR EXACT LOCATION & SIZE. INSTALL NEW TRANSIENT VOLTAGE SURGE SUPPRESSION.
17. NEW SWM MICRO BIORETENTION ESD MEASURE (STD. M-6) , PIPING & OUTFALL. SEE SWM GRADING PLAN & ESD MAPPING, NOTES & DETAILS - SHEET 5 OF 6.

DATE	REVISION	BY
-	-	-

SITE LAYOUT PLAN

PENGUIN RANDOM HOUSE

FIRE PUMP UPGRADES

7th ELECTION DISTRICT CARROLL COUNTY, MARYLAND

TAX MAP - 39 GRID - 20 PARCEL - 335 & 750

OWNER / DEVELOPER

PENGUIN RANDOM HOUSE LLC
C/O RYNE BARRALL
400 BENNETT CERF DRIVE
WESTMINSTER, MD 21157
410-386-7725

Surveyed By	Drawn By
BPR	MJM
Computed By	Checked By
BPR	BPR

Date:	FEBRUARY 22, 2024
Sheet:	3 OF 6
Scale:	AS SHOWN
BPR Drawing No.:	22-0614

CC FILE #: S-24-0005

BPR LLC
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