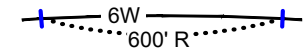


- UTILITY LAYOUT NOTES:
1. ALL WATER MAIN MATERIALS AND INSTALLATION SHALL CONFORM TO TIDEWATER UTILITIES SPECIFICATIONS AND THE "10 STATE STANDARDS."
 2. ALL SANITARY SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO KENT COUNTY DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS AND THE "10 STATE STANDARDS."
 3. DEPTH OF PROPOSED WATER MAIN SHALL BE A MINIMUM OF 48 INCHES MEASURED FROM FINISHED GRADE TO TOP OF PIPE. THIS INCLUDES WATER SERVICES. DEPTH WILL EXCEED 48" WHERE MAIN IS "DIPPED" TO AVOID OTHER UTILITIES (STORM DRAINS OR SANITARY SEWER).
 4. A MINIMUM OF 18" VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN WATER MAIN AND OTHER UTILITIES EXCEPT STORM DRAIN WHERE MIN. 12" OF VERTICAL CLEARANCE SHALL BE PROVIDED. WATER MAINS SHALL BE DIPPED UNDER STORM DRAINS TO PROVIDE A MINIMUM CLEARANCE OF 12" BETWEEN MAINS.
 5. A MINIMUM OF 12" VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN SANITARY SEWER MAIN AND OTHER UTILITIES. THE NUMBER IN FRONT OF "W" ON DEPICTED WATER MAINS INDICATE DIAMETER OF PROPOSED MAIN IN INCHES.
 6. ALL WATER SERVICE LINES SHALL BE 1" POLYETHYLENE.
 7. NO VALVES SHALL BE INSTALLED IN THE ROADWAY.
 8. X- REFERS TO WATER & SEWER MAIN CROSSING. THESE CROSSINGS ARE PROFILED ON SHEETS SS-1 THRU SS-9.
 9. PER TIDEWATER UTILITIES DIRECTION, WATER MAINS SHALL HAVE A MAXIMUM 1" AXIAL JOINT DEFLECTION AND 1" MAXIMUM LONGITUDINAL PIPE DEFLECTION. THIS 2" MAXIMUM DEFLECTION RESULTED IN A MINIMUM RADIUS OF 563' FOR 20' LENGTHS OF PIPE, THEREFORE A MINIMUM RADIUS OF 600' WAS USED FOR DESIGN.
 11. WHERE WATER MAINS CROSS STORM DRAINS, WATER MAINS SHALL BE "DIPPED" UNDER STORM DRAINS PER DETAIL A-11 ON SHEET D-5. SEE STORM DRAIN PROFILES ON SHEETS RD-1 THROUGH RD-19.

PER TUI INSTRUCTION, MAXIMUM 1" AXIAL JOINT DEFLECTION IS PERMITTED AS WELL AS 1" MAXIMUM LONGITUDINAL PIPE DEFLECTION FOR A TOTAL OF 2" MAXIMUM DEFLECTION. THE JOINT MUST BE RESTRAINED IF THE PIPE IS TO BE LONGITUDINALLY DEFLECTED. THIS 2" MAXIMUM DEFLECTION RESULTED IN A MINIMUM RADIUS OF 563' FOR 20' LENGTHS OF PIPE, THEREFORE A MINIMUM RADIUS OF 600' WAS USED FOR DESIGN.

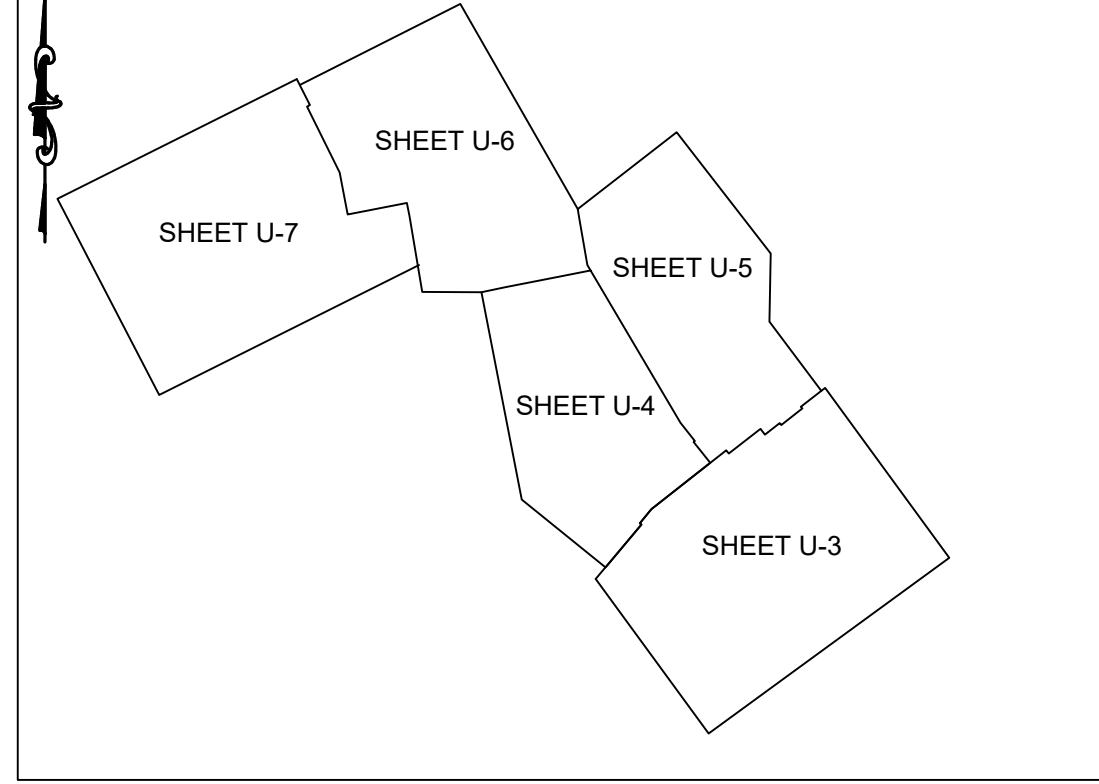
EXAMPLE:  600' R

RED LINE DELINEATES AREAS THAT HAVE CHANGED AS A RESULT OF EITHER UTILITIES BEING REVISED OR FROM LOTS BEING CONVERTED FROM CARRIAGE TO SINGLE FAMILY

N/F
T. NOBLE JARRELL, III
RESIDUE PARCEL
P.B. 80, PG. 27
ZONING: AR

19 Single Family Lots

SHEET INDEX



LEGEND

DESCRIPTION	EXISTING	PROPOSED
CONCRETE MONUMENT FOUND		N/A
IRON ROD FOUND		N/A
IRON PIPE FOUND		N/A
STONE FOUND		N/A
EX. DECIDUOUS TREE		N/A
EX. ADJOINING BOUNDARY LINE		N/A
EX. WETLAND LINE		N/A
EX. WATERS OF THE U.S. LINE		N/A
EX. 25' WETLAND BUFFER		N/A
EX. USGS BLUE LINE STREAM		N/A
FLOODPLAIN		N/A
EX. 100' BLUE LINE STREAM BUFFER		N/A
EX. WETLANDS TO BE REMOVED		N/A
ADJOINING PROPERTY OWNER	N/F MR. JOHN DOE	
PROPERTY LINE		
WOODS LINE		
FORCEMAIN	6FM	6FM
SANITARY SEWER	SS	SS
SANITARY SEWER MANHOLE		
SANITARY SEWER CLEANOUT	N/A	
WATER MAIN	W	W
WATER MAIN FITTINGS	N/A	
WATER VALVE	N/A	
WATER METER	N/A	
FIRE HYDRANT	N/A	
STORM DRAIN	P-24	
CATCH BASIN	N/A	
FLARED END SECTION	N/A	
RIGHT OF WAY	N/A	
SETBACKS	N/A	
CURB AND GUTTER		
SIDEWALK		
CROSSWALK	N/A	
RIGHT OF WAY MONUMENT	N/A	
PROPERTY CORNER	N/A	
LANDSCAPE BUFFER	N/A	
DRAINAGE EASEMENT	N/A	
POND	N/A	
LOT NUMBER		
GABION RETAINING WALL	N/A	

REVISIONS

REV. #	DATE	DESCRIPTION
1	3/14/2023	PHASE 3A LOTS CONVERTED FROM CARRIAGE TO SINGLE FAMILY
2	3/14/2023	ADDRESS KCDPW COMMENTS DATED 04/20/2022 AND DSFR
3	06/08/2023	COMMENTS DATED 05/03/2022
4	12/08/2023	ADDRESS KCDPW COMMENTS DATED 06/03/2022
5	11/09/2023	ADDRESS TUI COMMENTS DATED 10/12/2022
6	2/2/2023	ADDRESS TUI COMMENTS DATED 2/2/2023 (ADDED TUI EASEMENT)

McCRONE

ENGINEERS ■ SURVEYORS ■ PLANNERS
ANNAPOLIS ■ CENTREVILLE ■ ELKTON ■ SALISBURY ■ DELAWARE

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DATE:	FEBRUARY 2013
JOB NUMBER:	D3090182
SCALE:	1" = 100'
DRAWN BY:	JMA
DESIGNED BY:	JMA
APPROVED BY:	DSB
FOLDER REFERENCE:	F-D3090182

OVERALL UTILITY LAYOUT PLAN - PHASE 3
FILE NO. SL-11-01
**VILLAGES OF NOBLES POND
PHASES 3A & 4A**
KENTON HUNDRED, KENT COUNTY, DELAWARE
FOR EDDIE EVANS FARMS, LLC

SHEET NO.: **U-1**
FILE NO.: **1446-B**

Note- Lots 674-678 are currently stockpile area for entire jobsite. Lots will be finished last

