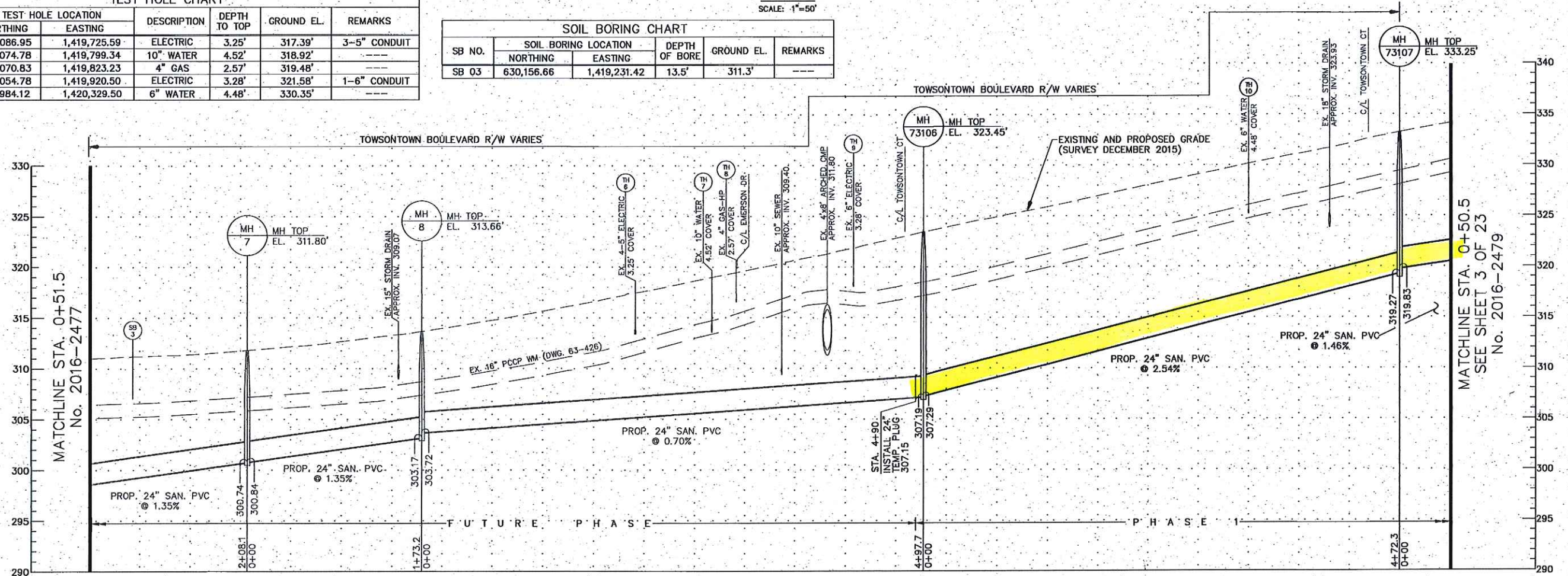


TEST HOLE CHART					
TEST HOLE NO.	TEST HOLE LOCATION		DESCRIPTION	DEPTH TO TOP	GROUND EL.
	NORTHING	EASTING			
TH 06	630,086.95	1,419,725.59	ELECTRIC	3.25'	317.39'
TH 07	630,074.78	1,419,799.34	10" WATER	4.52'	318.92'
TH 08	630,070.83	1,419,823.23	4" GAS	2.57'	319.48'
TH 09	630,054.78	1,419,920.50	ELECTRIC	3.28'	321.58'
TH 10	629,984.12	1,420,329.50	6" WATER	4.48'	330.35'

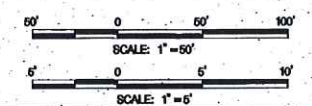
SOIL BORING CHART				
SB NO.	SOIL BORING LOCATION		DEPTH OF BORE	GROUND EL.
	NORTHING	EASTING		
SB 03	630,156.66	1,419,231.42	13.5'	311.3'



- NOTES:**
- FOR EROSION & SEDIMENT CONTROL PLANS SEE SHEETS 5 THRU 11. SEE DRAWING NUMBER 2016-2476 FOR ORIGINAL SIGNATURES.
 - ALL MANHOLES ARE TO BE 48-INCH PRECAST CONCRETE PER BALTIMORE COUNTY STANDARD DETAIL S-4 UNLESS OTHERWISE NOTED.

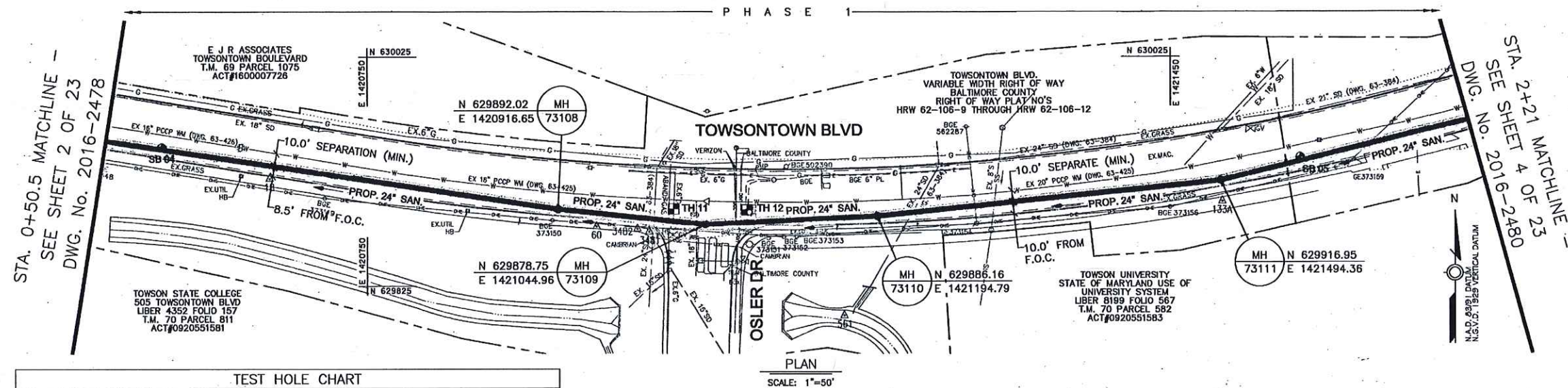
PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

DESIGN AND DRAWING BASED ON
MARYLAND COORDINATE SYSTEM
HORIZONTAL - NAD 83/91
VERTICAL - NAVD 88



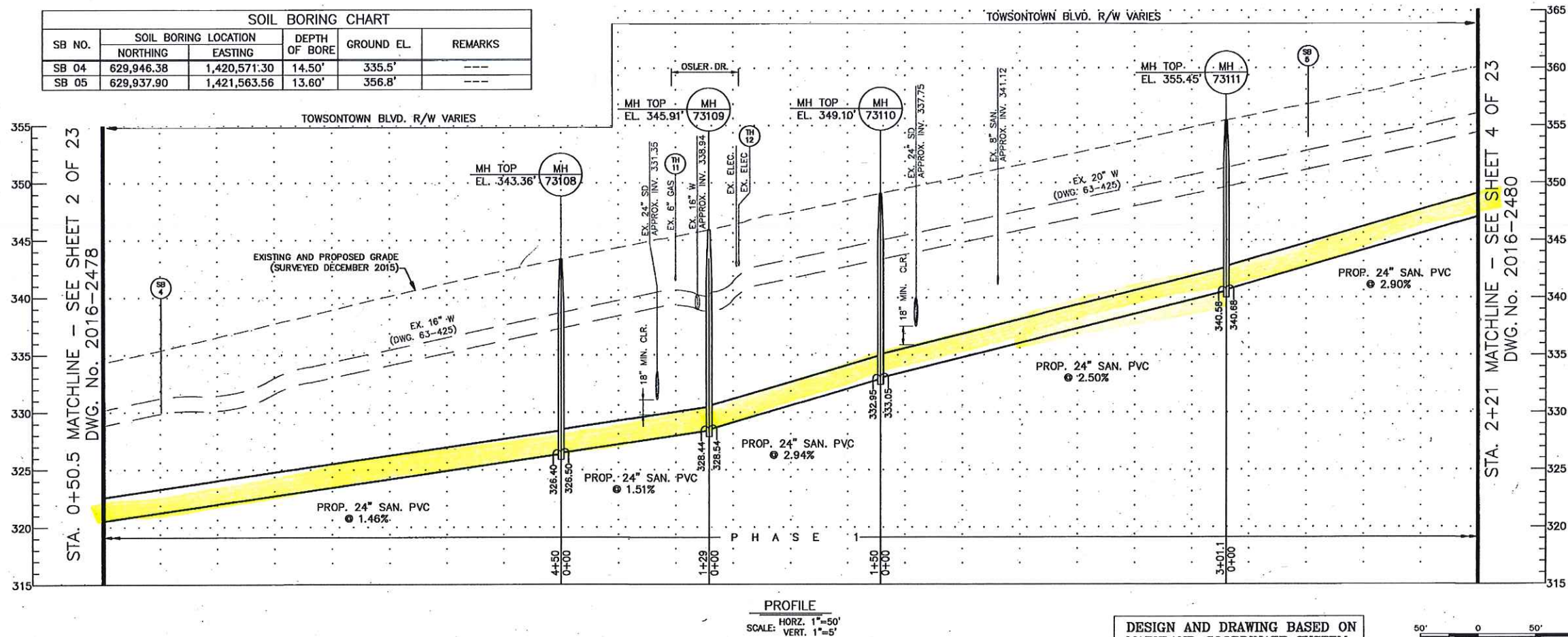
	PROFESSIONAL CERTIFICATION		REVISION	BY	DATE	P.W.A. NO.	KEY SHEET POSITION SH	DRAWING SCALE	DEPARTMENT OF PUBLIC WORKS
	I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.								
	ENGINEER: PAUL H. LEE, P.E. WALLACE, MONTGOMERY & ASSOC., LLP AS-BUILT PER RECORD PRINT		BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER
	DATE: 4/28/16		DESIGN BY: NCW DRAWN BY: MCK CHECK BY: PHL	REVIEWED BY:					

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING & CONSTRUCTION		SHEET DESIGNATION	CONTRACT NUMBER
SANITARY SEWER TOWSON RUN RELIEF SEWER ALONG TOWSONTOWN BLVD PLAN & PROFILE		SEWER	16257 SXO
SUBDIVISION: TOWSON		JOB ORDER NUMBER	231-201-0077-7227
		SHEET 2 OF 23	
		DRAWING NUMBER	2016-2476
		FILE NO.	1



TEST HOLE CHART					
TEST HOLE NO.	TEST HOLE LOCATION		DESCRIPTION	DEPTH TO TOP	GROUND EL.
	NORTHING	EASTING			
TH 11	629,892.43	1,421,017.12	6" GAS	3.27'	345.41'
TH 12	629,891.44	1,421,080.78	ELECTRICAL	3.09'	346.66'

SOIL BORING CHART				
SB NO.	SOIL BORING LOCATION		DEPTH OF BORE	GROUND EL.
	NORTHING	EASTING		
SB 04	629,946.38	1,420,571.30	14.50'	335.5'
SB 05	629,937.90	1,421,563.56	13.60'	356.8'

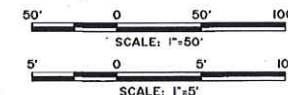


- NOTES:
- FOR EROSION & SEDIMENT CONTROL PLANS SEE SHEETS 5 THRU 11. SEE DRAWING NUMBER 2016-2476 FOR ORIGINAL SIGNATURES.
 - ALL MANHOLES ARE TO BE 48-INCH PRECAST CONCRETE PER BALTIMORE COUNTY STANDARD DETAIL S-4 UNLESS OTHERWISE NOTED.



PROFESSIONAL CERTIFICATION		REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION	SIT	DRAWING SCALE	DEPARTMENT OF PUBLIC WORKS
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 84688, EXPIRATION DATE JULY 08, 2017.						ONE	36NW-1		PLAN SCALE: 1" = 50'	APPROVED BY: DIRECTOR
ENGINEER: HARRY V. LINDSAY WILSON HARRY COX & MAGNANI, LLC AS-BUILT PER RECORD PRINT BY: DATE						NNW	36NE-1		PROFILE SCALE: 1" = 5'	DATE: CHIEF
DESIGN BY: JD	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER		
DRAWN BY: HJ	REVIEWED BY:									
CHKD BY: EL	DATE REVIEWED:									

DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM
HORIZONTAL - NAD 83/91
VERTICAL - NAVD 88



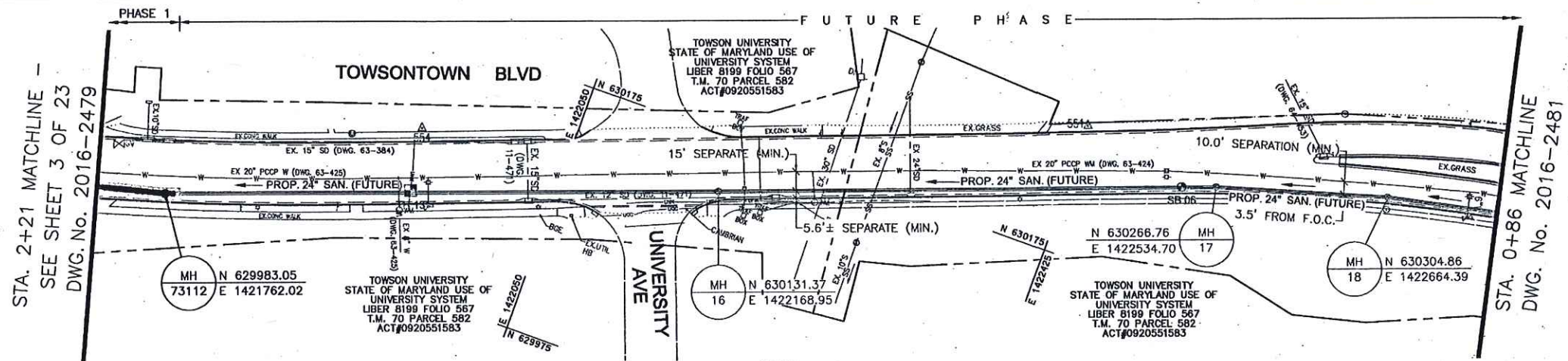
BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING & CONSTRUCTION

SANITARY SEWER
TOWSON RUN RELIEF SEWER
ALONG TOWSON BLVD
PLAN & PROFILE

ELECTION DIST. NO.: 9C5

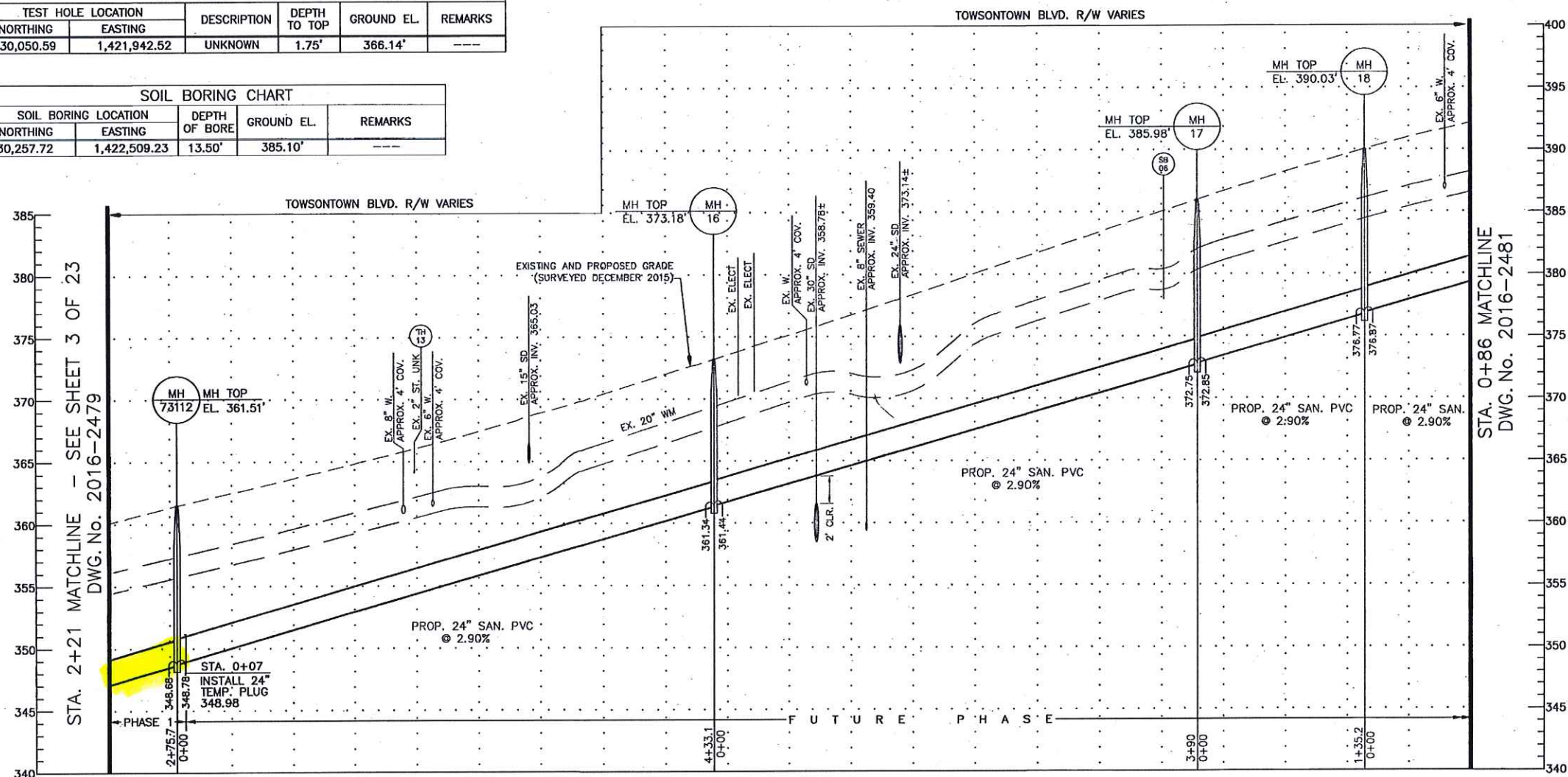
SHEET DESIGNATION	CONTRACT NUMBER
SEWER	16257 SXO
JOB ORDER NUMBER	231-201-0077-7227
SHEET 3 OF 23	
DRAWING NUMBER	2016-2479
FILE NO.: 1	





TEST HOLE CHART					
TEST HOLE NO.	TEST HOLE LOCATION		DESCRIPTION	DEPTH TO TOP	GROUND EL.
	NORTHING	EASTING			
TH 13	630,050.59	1,421,942.52	UNKNOWN	1.75'	366.14'

SOIL BORING CHART				
SB NO.	SOIL BORING LOCATION		DEPTH OF BORE	GROUND EL.
	NORTHING	EASTING		
SB 06	630,257.72	1,422,509.23	13.50'	385.10'



- NOTES:
- FOR EROSION & SEDIMENT CONTROL PLANS SEE SHEETS 5 THRU 11. SEE DRAWING NUMBER 2016-2476 FOR ORIGINAL SIGNATURES.
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PROFESSIONAL CERTIFICATION		REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SH	DRAWING SCALE	DEPARTMENT OF PUBLIC WORKS
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.									
LICENSE NO. 84808 EXPIRATION DATE JULY 08, 2017									
ENGINEER: BRADEN W. LINDGREN		DESIGN BY: JD	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SKWPN	WATER
WHITNEY BAILEY COX & MAGNANI, LLC		DRAWN BY: JHI	REVIEWED BY:						
AS-BUILT PER RECORD PRINT		CHD BY: DL	DATE REVIEWED:						
BY: DATE:									

DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM
HORIZONTAL - NAD 83/91
VERTICAL - NAVD 88

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING & CONSTRUCTION

SANITARY SEWER
TOWSON RUN RELIEF SEWER
ALONG TOWSONTOWN BLVD
PLAN & PROFILE

SUBDIVISION: TOWSON

ELECTION DIST. NO.: 8C5

SHEET DESIGNATION	CONTRACT NUMBER
SEWER	16257 SXO
JOB ORDER NUMBER	231-201-0077-7227
SHEET 4 OF 23	DRAWING NUMBER
2016-2480	FILE NO.: 1

SCAN