BULKHEAD INSTALLATION AT FUTURE CARTERET FERRY TERMINAL AT ARTHUR KILL

BLOCK 304 LOTS 2.01 AND 2.02, BOROUGH OF CARTERET, MIDDLESEX COUNTY, NEW JERSEY

	UTILITIES	
SERVICE	OWNER	CONTACT INFORMATION
ELECTRIC	PUBLIC SERVICE ELECTRIC & GAS COMPANY (PSE&G) 472 WESTERN CANAL ROAD SOMERSET, NJ 08873	ATTN: MR. ROBERT BUCHANAN PHONE: (732) 764-3160 EMAIL: robert.buchanan@pseg.com
GAS	ELIZABETHTOWN GAS COMPANY — UNION DIVISION 520 GREEN LANE UNION, NJ 07083	ATTN: MR. GREGORY BALINT PHONE: (908) 289-5000 EXT. 4351 EMAIL:
WATER	MIDDLESEX WATER COMPANY 1500 RONSON ROAD ISELIN, NJ 08830	ATTN: ISIDRO BUEN PHONE: (732) 638—7533 EMAIL: ibuen@middlesexwater.com
SEWER	BOROUGH OF CARTERET SEWER DEPARTMENT 339 ROOSEVELT AVENUE CARTERET, NJ 07008	ATTN: JOHN DUPONT PHONE: (732) 541—3836 EMAIL: dupontj@carteret.net
TELEPHONE	VERIZON 445 GEORGES ROAD NORTH BRUNSWICK, NJ 08092	ATTN: IAN CHAN PHONE: (732) 683—5146 EMAIL: ian.chan@verizon.com
CABLE	COMCAST CABLE — CONSTRUCTION DIVISION 800 RAHWAY AVENUE UNION, NJ 07083	ATTN: MR. RICHARD GUGULSKI PHONE: (732) 602-7444 EXT. 2293 EMAIL:

LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE NOT WARRANTED AS TO EXACTNESS. CONTRACTOR SHALL DETERMINE EXACT LOCATION AND DEPTH OF UTILITIES PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND OTHER APPLICABLE LAWS.

PRIOR TO DIGGING CALL 1-800-272-1000





	INDEX	OF DRAWINGS
SHEET NO.	DRAWING	DESCRIPTION
1	COV-1	COVER SHEET
2	CL-1	CONSTRUCTION LEGEND AND GENERAL NOTES
3	STE-1	OVERALL SITE PLAN
4	SHT-1	PERMANET SHEETING — PLAN AND DETAILS
5	BOR-1	BORING LOGS

	STRUCTU	JRES IN THIS CONTRACT	
NO.	STRUCTURE NO.	DESCRIPTION	
	BRIDGES		
_	_	_	
		RETAINING WALLS	
1	1	PERMANENT SHEETING	

NEW JERSEY DEPARTMENT OF TRANSPORTATION

2019 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (US CUSTOMARY ENGLISH UNITS) WITH THE CURRENT SUPPLEMENTARY SPECIFICATIONS, AS MODIFIED BY THE BID SPECIFICATIONS TO GOVERN.

STANDARD CONSTRUCTION DETAILS BOOKLET ROADWAY/ TRAFFIC CONTROL/ BRIDGE, 2016 AND STANDARD ELECTRICAL DETAILS BOOKLET, 2007, INCLUDING ALL BASELINE DOCUMENT CHANGES PUBLISHED TO THE DATE OF THESE PLANS ARE APPLICABLE TO THIS PROJECT EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

PREPARED BY MATTHEW J. WAGNER, P.E.

CONSULTING ENGINEER

LICENSED PROFESSIONAL ENGINEER DATE STATE OF NEW JERSEY LICENSIA No. 24GE05018200

This item has been electronically signed and sealed by Matthew Wagner using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

24GE05018200



RECOMMENDED FOR APPROVAL BY BOROUGH ENGINEER:

JOHN P. DuPONT, P.E., CME, P.P.
N.J. LICENSE No. 24GE03861700

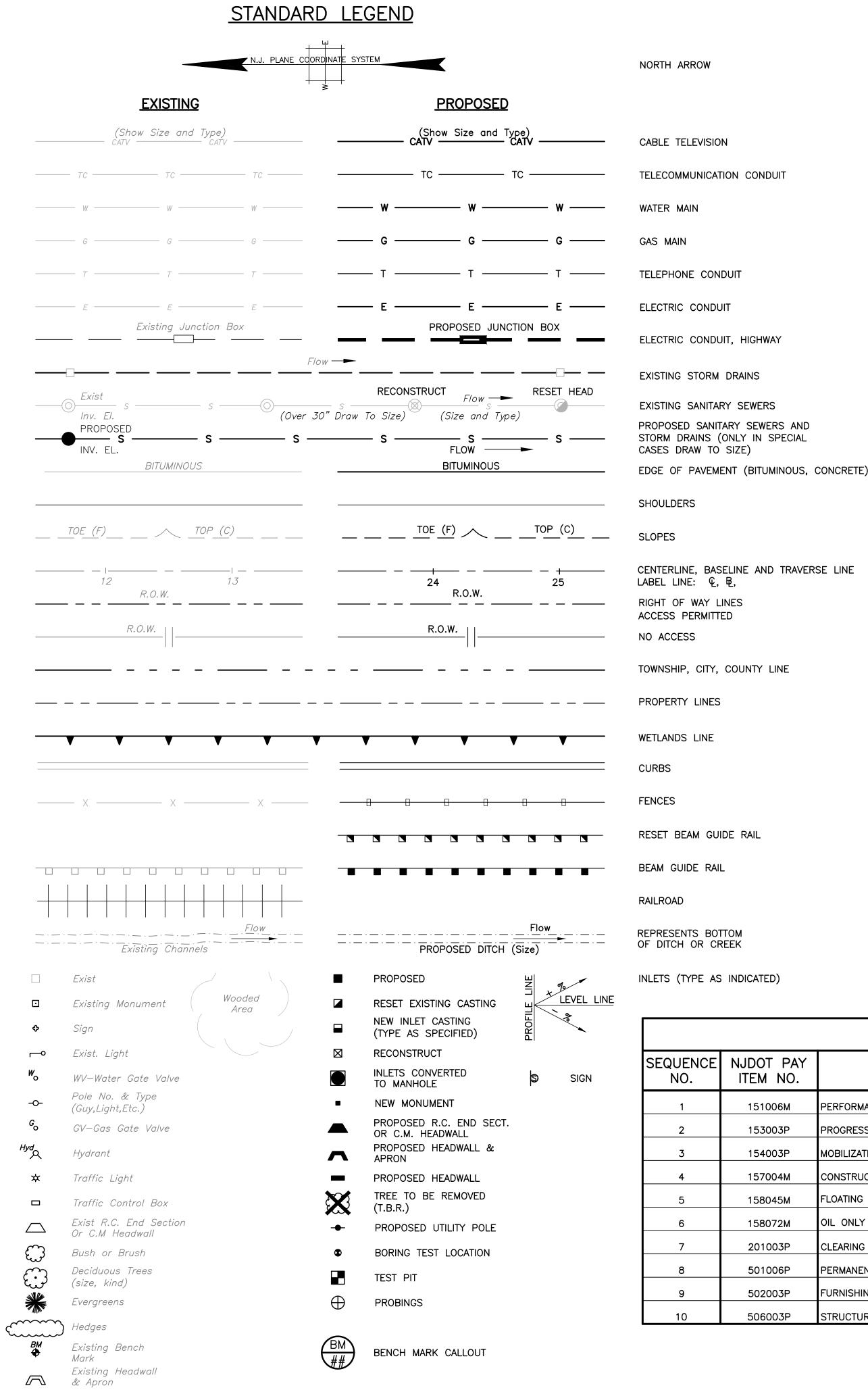
DATE

SHEET 1 of 5

FILE PATH: G:\Projects\CART\02534\Plans FILE NAME: CART02534_SPW_SHT001_COV. LAST SAVED DATE AND TIME: 29 Apr 2022 LAST SAVE BY: HGaudani

WITHOUT THE WRITTEN PERMISSIÓN OF T&M ASSOCIATES, IS PROHIBITED.

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GENERAL NOTES:

- 1. HORIZONTAL DATUM IS IN THE NEW JERSEY PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NAD
- 2. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988). NGVD 1929 = NAVD 1988 + 1.056
- 3. ALL DIMENSIONS, UNITS, ETC. ARE IN THE U.S. CUSTOMARY SYSTEM.

- 4.1. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS AS APPROVED BY THE RE. THE RESULTS OF THIS CHECK OF CONDITIONS AND DIMENSIONS SHALL BE SO NOTED ON THE DRAWINGS SUBMITTED FOR APPROVAL. THERE SHALL BE NO CLAIM AGAINST THE COUNTY MADE BY THE CONTRACTOR FOR WORK PERTAINING TO MODIFICATIONS AS MAY BE REQUIRED DUE TO ANY DIFFERENCES BETWEEN ACTUAL FIELD CONDITIONS AND THE DETAILS AND DIMENSIONS SHOWN ON THE CONTRACT PLANS.
- ALL EXISTING DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD. ANY DEVIATIONS SHALL BE REPORTED TO THE RE.
- THE CONTRACTOR SHALL PROTECT ALL SURVEY CONTROL POINT MARKS FROM DAMAGE AND SHALL ESTABLISH OFFSET POINTS AS REQUIRED FOR ITS WORK.
- THE CONTRACTOR SHALL EXERCISE CAUTION SO AS NOT TO DAMAGE THE ROOT SYSTEM OF ANY PLANTINGS TO REMAIN. ALL ROOTS OF ANY PLANTS OR TREES TO REMAIN WHICH ARE EXPOSED DURING CONSTRUCTION, SHALL BE WATERED AND KEPT SHADED OR COVERED WITH WET STRAW, MOSS OR OTHER SUITABLE MATERIAL UNTIL THE FINAL GRADING IS COMPLETED. THE CONTRACTOR SHALL REPLACE ANY EXISTING PLANTINGS DAMAGED DURING CONSTRUCTION, AS IN THE OPINION OF THE ENGINEER, WITH A PLANTING OF SIMILAR SPECIES, HEIGHT AND/OR CALIPER TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE COUNTY. PLANT ESTABLISHMENT AND REPLACEMENT PERIOD WILL BE SPECIFIED IN THE SPECIAL PROVISIONS FOR THE STANDARD SPECIFICATIONS.
- 4.5. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN ORDER TO CONFIRM PROPOSED GRADING.

CONSTRUCTION SPECIFICATIONS:

- 5.1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2019 NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WITH THE CURRENT SUPPLEMENTARY SPECIFICATIONS, AS MODIFIED BY THE BID SPECIFICATIONS.
- 5.2. ALL GRADING AND CONSTRUCTION ACTIVITIES TO TAKE PLACE WITHIN THE BANKS OF THE ARTHUR KILLS SHALL BE IN ACCORDANCE WITH:
 - THE NJDEP PREMIT NO. 1201-08-0001.1 LUP20002
 - WATERFRONT DEVELOPMENT INDIVIDUAL PERMIT (WATERWARD)
 - FLOOD HAZARD AREA INDIVIDUAL PERMIT OTHER
 - FRESHWATER WETLANDS GENERAL PERMIT GP11 OUTFALLS/INTAKE STRUCTURES - FRESHWATER WETLANDS GENERAL PERMIT GP7 HUMAN-MADE DITCHES/SWALES IN HEADWATERS
 - VERIFICATION—METHOD 2 (FEMA TIDAL METHOD)
 - WATERFRONT DEVELOPMENT INDIVIDUAL PERMIT—COMMERCIAL (LANDWARD) WATER QUALITY CERTIFICATE

U.S. ARMY COPRS OF ENGINEERS NAN-2020-00040-EBR

FREEHOLD SOIL CONSERVATION DISTRICT CERTIFICATION (REF. # 2020-0573)

5.1. A PRECONSTRUCTION MEETING WILL BE HELD WITH THE BOROUGH ENGINEER'S REPRESENTATIVES PRIOR TO BEGINNING ANY CONSTRUCTION ON THE PROJECT.

6. SOIL EROSION AND SEDIMENT CONTROL:

ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.

6.2. SOIL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO GROUND DISTURBANCE.

7. UTILITIES: 7.1. THERE ARE NO REPORTED UTILITIES WITHIN THE PROJECT LIMITS. IT IS THE CONTRACTOR'S RESPONSIBILITY

- TO DETERMINE ALL UTILITY LOCATIONS IN THE FIELD PRIOR TO EXCAVATION. 7.2. THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR SHALL VERIFY THEIR LOCATION AND COMPLETENESS PRIOR TO THE BEGINNING OF WORK. NO WORK SHALL BEGIN UNTIL THE CONTRACTOR PROVIDES THE ENGINEER WITH THE CONFIRMATION NUMBER OBTAINED FROM THE ONE-CALL SYSTEM IN ACCORDANCE WITH THE UNDERGROUND FACILITY PROTECTION ACT.
- THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES TO DETERMINE THEIR SCHEDULE FOR PERFORMING UTILITY RELOCATION WORK AND SHALL SCHEDULE WORK ACCORDINGLY SO AS NOT TO INTERFERE WITH THE WORK OF THE UTILITY COMPANIES.

8. MAINTENANCE AND PROTECTION OF TRAFFIC:

- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM WITH THE CURRENT EDITION OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS PUBLISHED BY FEDERAL HIGHWAY ADMINISTRATION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRIVEWAY ACCESS AT ALL LOCATIONS AFFECTED BY THE CONSTRUCTION ACTIVITIES THROUGHOUT THE DURATION OF THE PROJECT. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THE ITEM "CLEARING SITE".
- 8.3. THE CONTRACTOR SHALL NOTIFY THE CARTERET MUNICIPAL CLERK, THE POLICE DEPARTMENT, FIRE DEPARTMENT, RESCUE SQUADS, AND THE BOARD OF EDUCATION AT LEAST 7 DAYS IN ADVANCE AND 24 HOURS PRIOR TO THE IMPLEMENTATION OF THE MAINTENANCE AND PROTECTION OF TRAFFIC.
- 9. ONLY PAY ITEMS LISTED IN THE PROPOSAL ARE APPLICABLE TO THIS PROJECT. PAY ITEMS NOT IN THE PROPOSAL WILL NOT BE USED.
- 10. NO SEPARATE PAYMENT WILL BE MADE FOR "REMOVE" OR "RELOCATE" ITEMS. ALL COSTS THEREOF ARE TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR THE ITEM "CLEARING SITE".

ESTIMATE AND DISTRIBUTION OF QUANTITIES

11. THE COST FOR THE REMOVAL OF ALL ITEMS NECESSARY TO COMPLETE THE PROJECT AND NOT OTHERWISE

- INDICATED AS A PAY ITEM, SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR THE ITEM "CLEARING SITE".
- 12. STRIPPED MATERIAL SUITABLE FOR USE AS TOPSOIL SHALL BE STORED AND REUSED AS REQUIRED FOR THE PROJECT. EXCESS STRIPPED MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF STRIPPING SHALL BE INCLUDED IN THE PRICE BID FOR THE ITEM "CLEARING SITE". NO SEPARATE PAYMENT WILL BE MADE FOR THE VOLUME OF MATERIAL STRIPPED.
- 13. EXISTING FEATURES TO BE RESET/RELOCATED OR REMOVED IN THE PROJECT FOR WHICH THERE IS NO PAY ITEM SHALL BE RESET/RELOCATED OR REMOVED UNDER THE LUMP SUM PRICE BID FOR THE ITEM "CLEARING SITE".
- 14. EXISTING PAVEMENT TO BE REMOVED SHALL BE PAID UNDER THE PRICE BID FOR THE ITEM "CLEARING SITE".
- 15. ANY WORK NOT SPECIFICALLY MENTIONED UNDER OTHER ITEMS AND NECESSARY FOR THE SATISFACTORY COMPLETION OF THE PROJECT IN A NEAT AND WORKMAN-LIKE MANNER SHALL BE INCLUDED UNDER "CLEARING" SITE".
- 16. THE TOPSOIL USED FOR THIS PROJECT SHALL BE IN STRICT CONFORMANCE TO THE PROJECT SPECIFICATIONS. ANY TOPSOIL NOT MEETING THE ENGINEER'S APPROVAL SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- 17. THE CONTRACTOR SHALL ESTABLISH A FULL STAND OF GRASS WITH NO PATCHES, CRABGRSS OR WEEDS.
- 18. THE CONTRACTOR SHALL SUBMIT SEED BAG TICKETS TO THE ENGINEER FOR APPROVAL PRIOR TO PLACING SEED.

ABBREVIATIONS:

A. AVG.	AGGREGATE AVERAGE	MAX. MH MHW	MAXIMUM MANHOLE MEAN HIGH WATER
₽, B	BASELINE	MHHW	MEAN HIGH WATER MEAN HIGHER HIGH WATER
RIT		MLW	MEAN LOW WATER
BM.	BENCHMARK	MLLW	MEAN LOWER LOW WATER
BIT. BM. BOT., BOT.	BOTTOM	MTL	MEAN TIDE LEVEL
•		MI.	MILES
	CENTERLINE	MIN.	MINIMUM
CL.	CLEAR	N1	NORTH
C	CUT	N N.T.S	NOT TO SCALE
C. TO C.	CENTER TO CENTER	NO.	NUMBER
CONC. CONSTR.		110.	NOMBEN
CONSTR.	CONSTRUCTION CONTRACTION	O.C.	ON CENTER
COVIA.	COVER	0.D.	OUTER DIAMETER
CFS		O.J.	OPEN JOINT
C.I	CONSTRUCTION JOINT		
CP	CONTROL POINT	P, fl	PROPERTY LINE
CORS.	COURSE	P.G.L.	PROFILE GRADE LINE
CY CY	CUBIC YARD	PSE&G	PUBLIC SERVICE ELECTRIC AND GA
		PROP.	PROPERTY LINE PROFILE GRADE LINE PUBLIC SERVICE ELECTRIC AND GA PROPOSED
ø, DIA.	DIAMETER	PVMT.	PAVEMENT
DEG.	DEGREE	-	D4 D11 10
_		R	RADIUS
E_	EAST	R.C.P.	REINFORCED CONCRETE PIPE
L.F.	EACH FACE ELEVATION EQUAL SPACE, EACH SIDE	R.F. R.O.W.	REAR FACE RIGHT OF WAY
EL., ELEV.	ELEVATION FOLIAL SPACE FACH SIDE	R.O.W. R.R.S.P.	RIPRAP STONE PROTECTION
E.C. F.W	EQUAL SPACE, EACH SIDE	RCCP	REINFORCED CONCRETE CULVERT I
E.W. EX., EXIST.	EXISTING	RE	DEPARTMENT'S FIELD REPRESENTAT
LX., LXIST.	LAISTING	INL.	RESIDENT ENGINEER
		REINF.	REINFORCED
F	FILL	RT.	RIGHT
F.F.	FRONT FACE		
FT.	FEET	S	SOUTH
FERT.	FERTILIZER	S.C.F.	SEDIMENT CONTROL FENCE
0.4.1	044.04	SEC	SECTION
GAL.	GALLON	STA.	STATION
GR.	GRATE/GRADE	SURF.	SURFACE
GRD	GRADED	SW, SDWK SY	SIDEWALK SQUARE YARD
H.P.	HIGH POINT	SQ.	SQUARE TARD SQUARE
HMA	HIGH POINT HOT MIX ASPHALT	Jw.	JAOUNE
1141/ 7	HOT MIX ASITIALI	T.	TOP
.D.	INNER DIAMETER	T.B.E.	TO BE REMOVED
NV.	INVERT	T.O.G.	TOP OF GRATE
		THK.	THICK
JT.	JOINT	TYP.	TYPICAL
L.P.	LOW POINT	UN	UNIT
L.F. LS	LUMP SUM	UP	UTILITY POLE
LBS	POUNDS	- -	
LF	LINEAR FEET	VAR.	VARIES, VARIABLE
LT.	LEFT		·
		W	WEST
	AND THE PROPERTY OF THE PARTY O	WP	WORKING POINT
	All the second s		
	OF NEW TON		
	AE OF NEW JA	YR.	YEAR

This item has been electronically signed and sealed by Matthew Wagner using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

YOUR GOALS. OUR MISSION

BOROUGH OF CARTERET MARINA STRUCTURE AT CARTERET FERRY TERMINAL AT ARTHUR KILI

(BLOCK 304 LOTS 2.01 AND 2.02) BOROUGH OF CARTERET, MIDDLESEX COUNTY, NEW JERSEY

CONSTRUCTION LEGEND AND GENERAL NOTES

MATTHEW J. WAGNER, P.E. consulting engineer 4/29/2022 .ICENSED PROFESSION A. ENGINEER

STATE OF NJ LICENSE No. 24GE05018200

4,663 11 TINDALL ROAD MIDDLETOWN, NJ 07748 FAX 732-671-7365

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IS PROHIBITED.

IF & WHERE

DIRECTED

AS-BUILT

QUANTITY

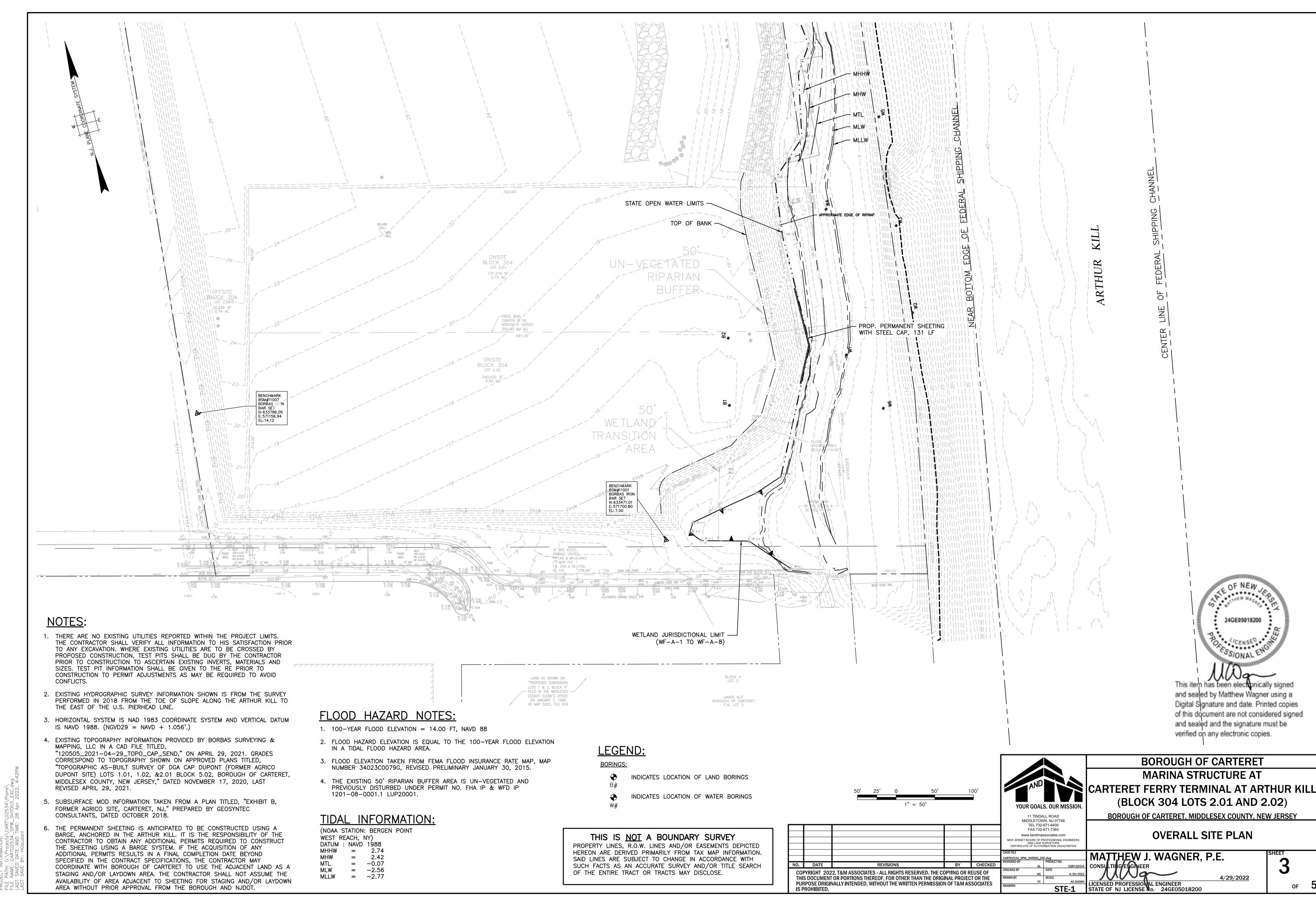
PROP. F.G.R.T. PROP. T.G.R.T. PROP. ANCHORAGE

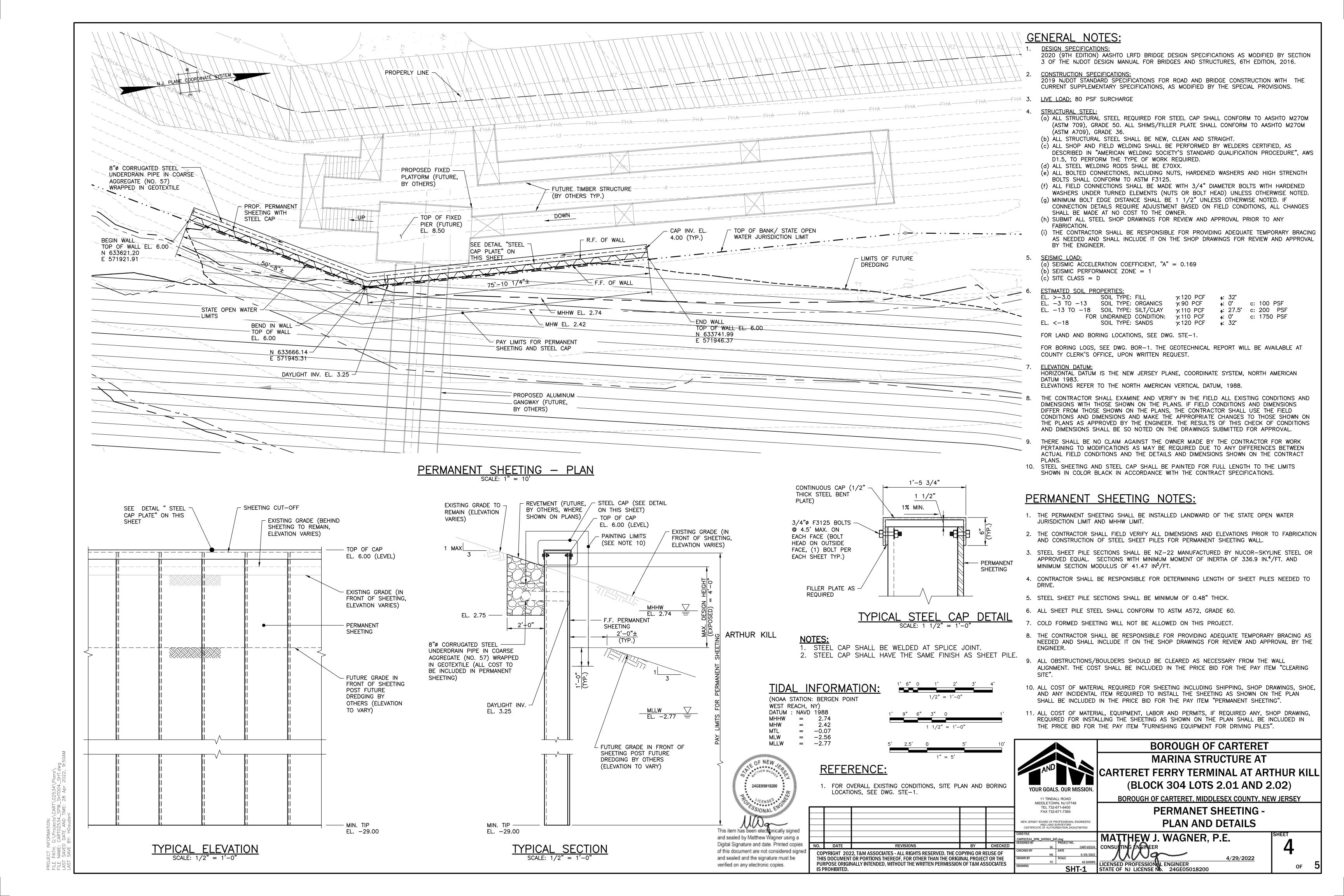
Existing Headwall

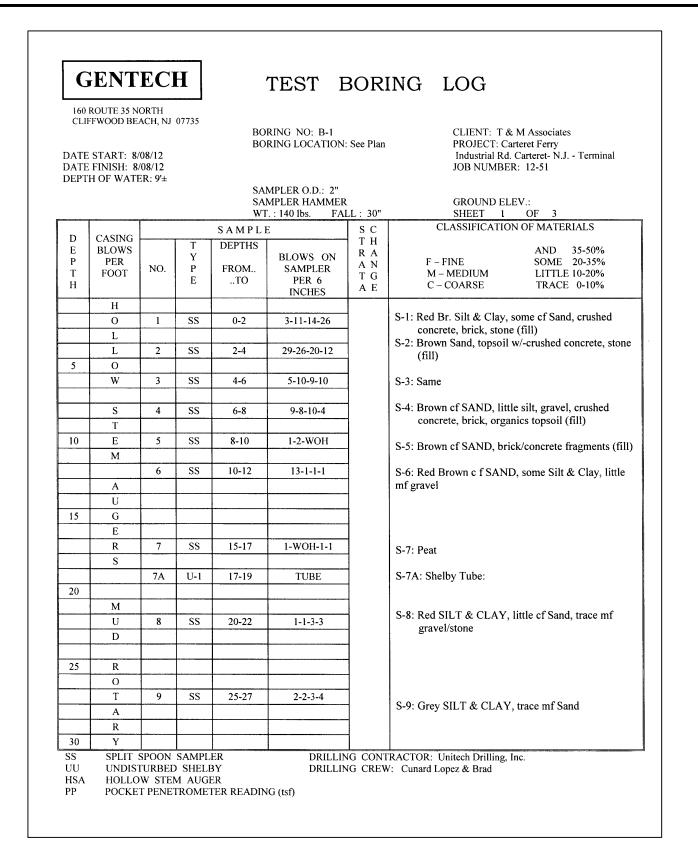
SEQUENCE NJDOT PAY CONTRACT PLAN **DESCRIPTION** QUANTITY QUANTITY ITEM NO. 151006M PERFORMANCE BOND AND PAYMENT BOND DOLL 153003P PROGRESS SCHEDULE LS LS 154003P MOBILIZATION 157004M CONSTRUCTION LAYOUT DOLL FLOATING TURBIDITY BARRIER, TYPE 2 LF 150 150 158045M OIL ONLY EMERGENCY SPILL KIT, TYPE 1 158072M CLEARING SITE LS 201003P SF 4,663 PERMANENT SHEETING 501006P FURNISHING EQUIPMENT FOR DRIVING PILES 502003P LS

506003P

STRUCTURAL STEEL



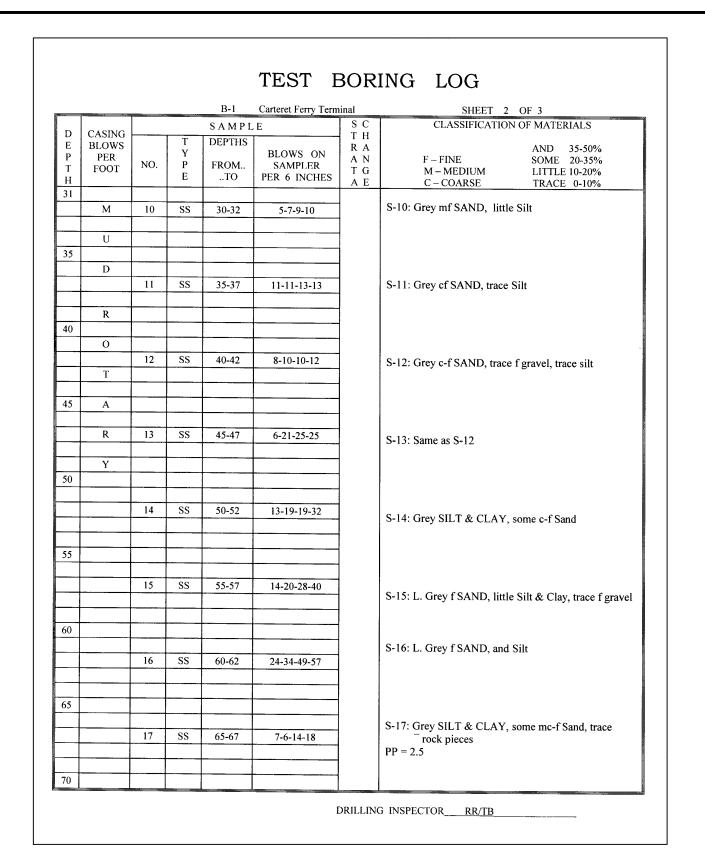




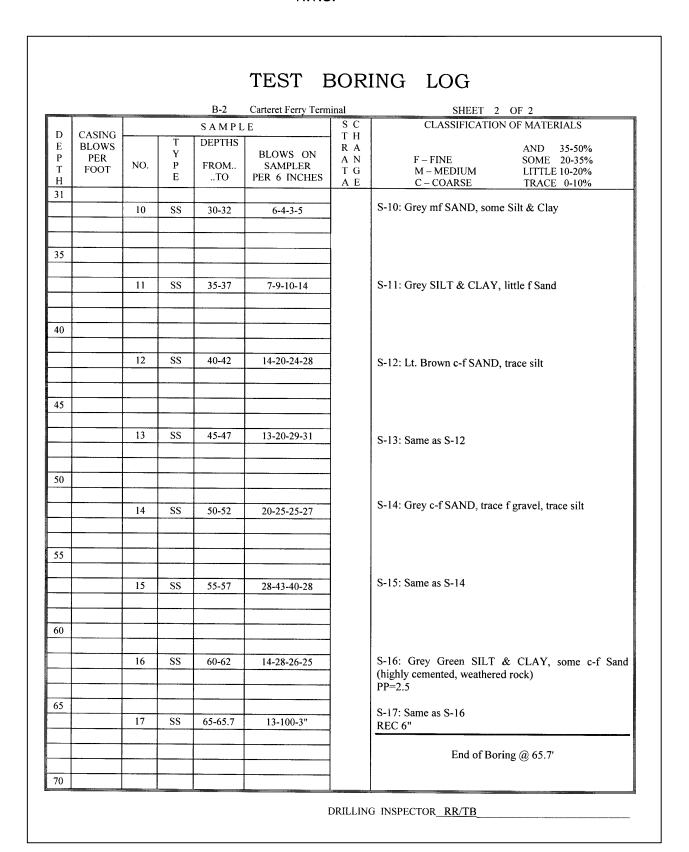
BORING LOG B-1 (PAGE 1 OF 3)

					TEST E	3OR.	ING LOG	
	ROUTE 35 No FFWOOD BE		07735					
0.51	OOD DE	1011, 113	07755		RING NO: B-2		CLIENT: T & M Associates	
DATE	E START: 8/ E FINISH: 8/ TH OF WATE	/09/12		ВО	RING LOCATION	: See Plan	PROJECT: Carteret Ferry Industrial Rd. Carteret- N.J Terminal JOB NUMBER: 12-51	
	W	et @ 5'±	=	SA	MPLER O.D.: 2" MPLER HAMMER `.: 140 lbs. FA)	LL: 30"	GROUND ELEV.: SHEET 1 OF 2	
				SAMPL		s c	CLASSIFICATION OF MATERIALS	
D	CASING		Т	DEPTHS		TH		
E P T H	BLOWS PER FOOT	NO.	Y P E	FROM TO	BLOWS ON SAMPLER PER 6 INCHES	R A A N T G A E	AND 35-50% F - FINE SOME 20-35% M - MEDIUM LITTLE 10-20% C - COARSE TRACE 0-10%	
	Н							
-	O L	1	SS	0-2	2-5-10-9		S-1: Red Brown m-f SAND, crushed brick & concrete (fill)	
	L	2	SS	2-4	5-4-5-9	1	S 2: Tongoil with Sand & amakad baial &	
5	0] ~	S-2: Topsoil with Sand & crushed brick & concrete (fill)	
	W	3	SS	4-6	2-2-3-3	-	S-3: Red Brown m-f SAND, topsoil mixed, trace f gravel, trace silt, trace organics, wood	
	S	4	SS	6-8	2-4-3-6]	(unsuitable fill)	
	T					_	S-4: Brown/Lt. Brown m-f SAND, trace f gravel,	
10	E	5	SS	8-10	3-3-1-2	4	trace silt, trace organics (fill)	
	M	6	SS	10-12	1-1-WOH	-	S-5: Red Br. cf SAND, some Silt & Clay, trace f	
	A	- 0	33	10-12	1-1-WOH	1	gravel	
	U					1		
15	G					1	S-6: Peat	
	Е]		
	R	7	SS	15-17	WOH		S-7: Grey SILT & CLAY, trace f Sand, trace peat	
	S							
20	M					-		
	U					1		
	D	8	SS	20-22	3-5-6-6	1	S-8: Red Br. SILT & CLAY, little cf Sand, trace mi	
	R					-	-	
25	0	8A	UU	TUBE	23-25	1	S. S. Shalby Tuber Dec 6" Ded De Cité & Cite	
	T			. 0.0.0	23-23	1	S-8A: Shelby Tube: Rec.6"- Red Br. Silt & Clay little f Sand	
	A	9	SS	25-27	4-4-5-8	1		
	R					1	S.O. C. SCAND	
	Y]	S-9: Grey cm-f SAND, trace silt	
30								
SS UU HSA PP	SPLIT S UNDIST HOLLO POCKET	URBED W STE	SHELE M AUGE	BY	DRILLIN		RACTOR: Unitech Drilling, Inc. 7: Cunard Lopez & Brad	

BORING LOG B-2 (PAGE 1 OF 2)



BORING LOG B-1 (PAGE 2 OF 3)

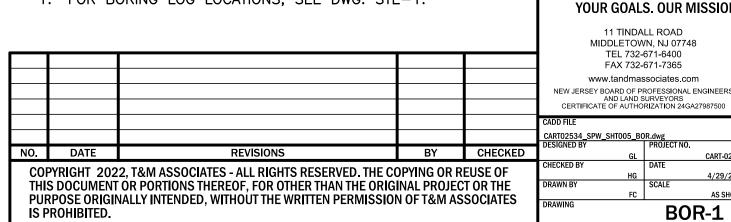


BORING LOG B-2 (PAGE 2 OF 2)



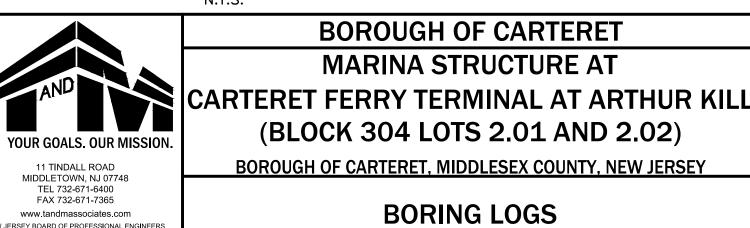
REFERENCE:

1. FOR BORING LOG LOCATIONS, SEE DWG. STE-1.



BORING LOG W1

AS SHOWN



LICENSED PROFESSIONAL ENGINEER
STATE OF NJ LICENSE No. 24GE05018200

GENTECH TEST BORING LOG 160 ROUTE 35 NORTH CLIFFWOOD BEACH, NJ 07735 BORING NO: W-1 BORING LOCATION: See Plan DATE START: 8/15/12 DATE FINISH: 8/15/12 DEPTH OF WATER: surface SAMPLER O.D.: 2" SAMPLER HAMMER SAMPLE CASING -DEPTHS BLOWS PER FOOT FROM.. ..TO

GENTECH

BLOWS PER FOOT

CLIENT: T & M Associates PROJECT: Carteret Ferry Industrial Rd. Carteret- N.J. - Terminal JOB NUMBER: 12-51 ELEV .: * SHEET 1 OF 1 CLASSIFICATION OF MATERIALS

DRILLING INSPECTOR RR/TB

WT.: 140 lbs. FALL: 30" AND 35-50% BLOWS ON F – FINE SOME 20-35% SAMPLER M – MEDIUM LITTLE 10-20% PER 6 C – COARSE TRACE 0-10% Water depth 6'± Start soil sampling from mudline S-1: Dark Grey, SILT & CLAY, trace f Sand, organics (strong odor) S-2: Same S-3: Same

BORING LOG B-1 (PAGE 3 OF 3)

N.T.S.

TEST BORING LOG

SHEET 3 OF 3

SOME 20-35%

LITTLE 10-20%

CLASSIFICATION OF MATERIALS

End of Boring @ 74.7'

M – MEDIUM

S-19: Two small Red Rock fragments

Bit Refusal @ 74.5'

S-18: Same as S-17 (highly weathered rock)

B-1 – Carteret Ferry Terminal

BLOWS ON

PER ... INCHES

FROM.. SAMPLER
..TO PER ... INCHES

SAMPLE

18 SS 70-72 10-9-10-13

19 SS 74.5-74.7

4 SS 6-8 S-4: Same WOH WOH-1 End of Boring @ 10'

DRILLING CONTRACTOR: Unitech Drilling, Inc. DRILLING CREW: Jay Freck, Cunard Lopez & Gene UNDISTURBED SHELBY HSA HOLLOW STEM AUGER POCKET PENETROMETER READING (tsf)

4/29/2022