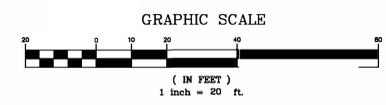


LOT 701
N.J. County of Camden
D.B. 5133 Pg. 888

LOT 8
N.J. County of Camden
& Holy Amigos
D.B. 10468 Pg. 754

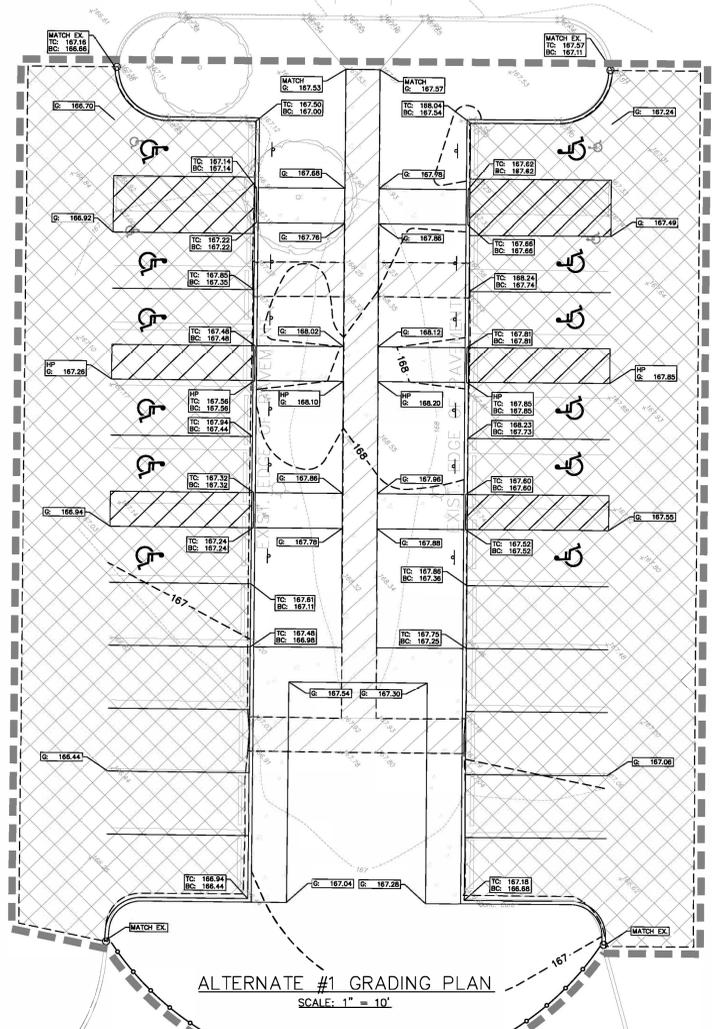
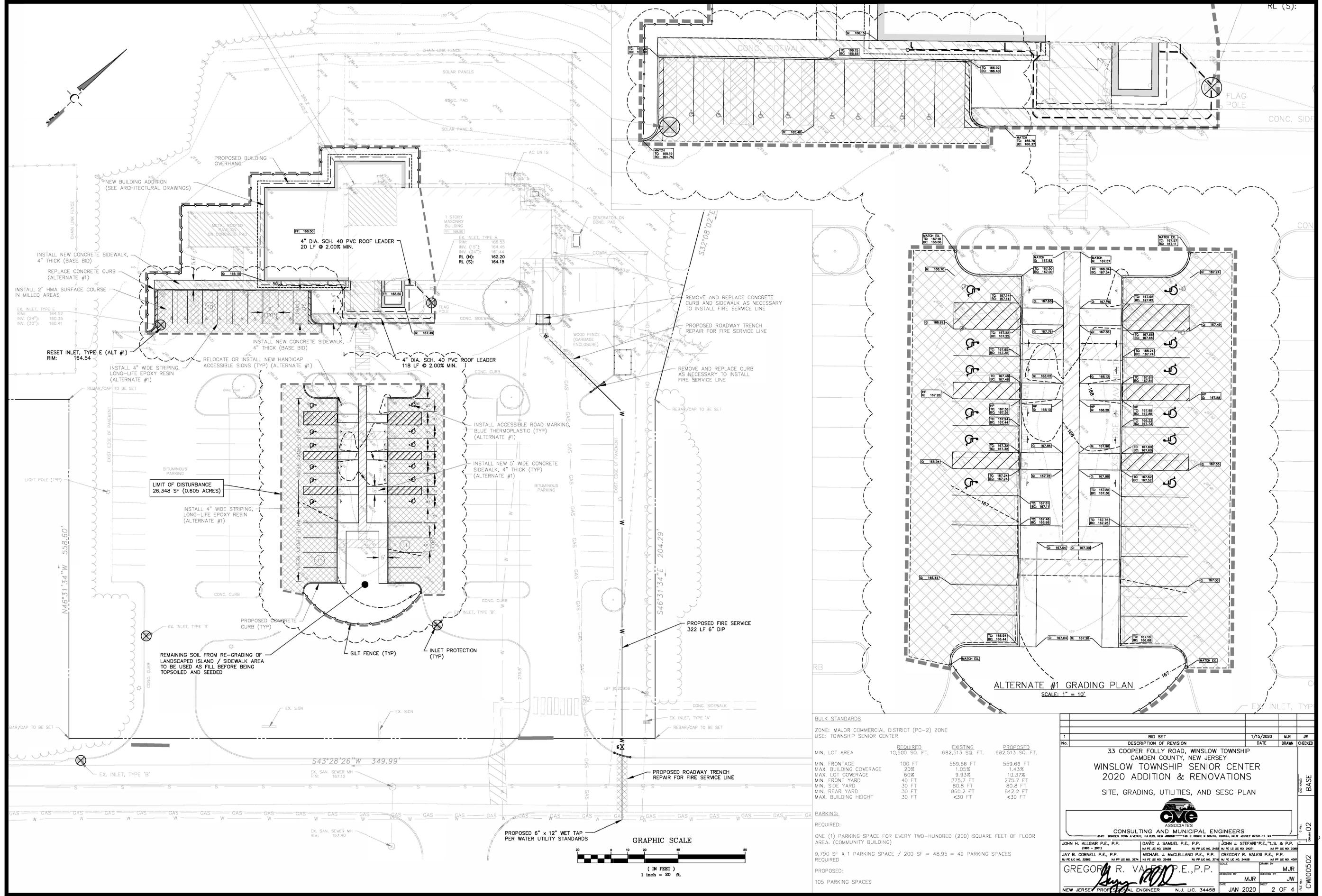
LOT 14
N.J. County of Camden
& Holy Amigos
D.B. 10468 Pg. 754



1	BID SET	1/15/2020	MJR	JW
DESCRIPTION OF REVISION				
33 COOPER FOLLY ROAD, WINSLOW TOWNSHIP CAMDEN COUNTY, NEW JERSEY WINSLOW TOWNSHIP SENIOR CENTER 2020 ADDITION & RENOVATIONS DEMOLITION PLAN				
CONSULTING AND MUNICIPAL ENGINEERS ASSOCIATES <small>3141 BORDEN TOWN AVENUE, PARK, NEW JERSEY 08059 - 1480 ROUTE 9 SOUTH, HONOLULU, NEW JERSEY 07731-1194</small>				
JOHN H. ALLGAIER P.E., P.P. (1983 - 2005) NJ P.E. LIC. NO. 23658	DAVID J. SAMUEL P.E., P.P. NJ P.E. LIC. NO. 23658	JOHN J. STEFANI P.E., L.S. & P.P. NJ P.E. LIC. NO. 23658	SCALE: _____ DRAWN BY: MJR CHECKED BY: JW DATE: JAN 2020 SHEET: 1 OF 4	
JAY B. CORNELL P.E., P.P. NJ P.E. LIC. NO. 23662	MICHAEL J. MCLELLAND P.E., P.P. NJ P.E. LIC. NO. 32408	GREGORY R. WALES P.E., P.P. NJ P.E. LIC. NO. 23408	DESIGNED BY: MJR CHECKED BY: JW DATE: JAN 2020 SHEET: 1 OF 4	
NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. 34458				

C 01
BASE
CW100502

RL (S):



BULK STANDARDS

ZONE: MAJOR COMMERCIAL DISTRICT (PC-2) ZONE
USE: TOWNSHIP SENIOR CENTER

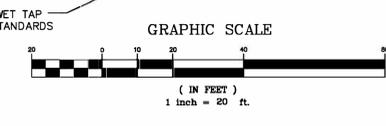
	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA	10,500 SQ. FT.	682,513 SQ. FT.	682,513 SQ. FT.
MIN. FRONTAGE	100 FT	559.66 FT	559.66 FT
MAX. BUILDING COVERAGE	20%	1.05%	1.43%
MAX. LOT COVERAGE	60%	9.93%	10.37%
MIN. FRONT YARD	40 FT	275.7 FT	275.7 FT
MIN. SIDE YARD	30 FT	80.8 FT	80.8 FT
MIN. REAR YARD	30 FT	860.2 FT	842.2 FT
MAX. BUILDING HEIGHT	30 FT	<30 FT	<30 FT

PARKING:

REQUIRED:
ONE (1) PARKING SPACE FOR EVERY TWO-HUNDRED (200) SQUARE FEET OF FLOOR AREA. (COMMUNITY BUILDING)

9,790 SF X 1 PARKING SPACE / 200 SF = 48.95 = 49 PARKING SPACES REQUIRED

PROPOSED:
105 PARKING SPACES



1	BID SET	1/15/2020	MJR	JW
No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED

**33 COOPER FOLLY ROAD, WINSLow TOWNSHIP
CAMDEN COUNTY, NEW JERSEY
WINSLow TOWNSHIP SENIOR CENTER
2020 ADDITION & RENOVATIONS
SITE, GRADING, UTILITIES, AND SESC PLAN**

CONSULTING AND MUNICIPAL ENGINEERS
ASSOCIATES
31411 BORDEN TOWN AVENUE, PARLIN, NEW JERSEY 08859 148 O ROUTE 9 SOUTH, HONOLULU, HI 96813

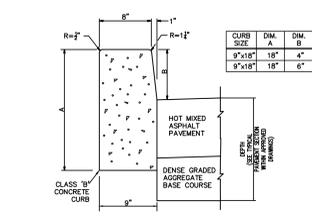
JOHN H. ALLGAR P.E., P.P. (0885 - 2000) NJ P.E. LIC. NO. 32468	DAVID J. SAMUEL P.E., P.P. NJ P.E. LIC. NO. 32468	JOHN J. STEFANI P.E., L.S. & P.P. NJ P.E. LIC. NO. 32468
JAY B. CORNELL P.E., P.P. NJ P.E. LIC. NO. 32468	MICHAEL J. MCLELLAND P.E., P.P. NJ P.E. LIC. NO. 32468	GREGORY R. VALES P.E., P.P. NJ P.E. LIC. NO. 32468

DESIGNED BY: MJR
CHECKED BY: JW
DATE: JAN 2020
SHEET: 2 OF 4

NEW JERSEY PROFESSIONAL ENGINEER N.J. LIC. 34458

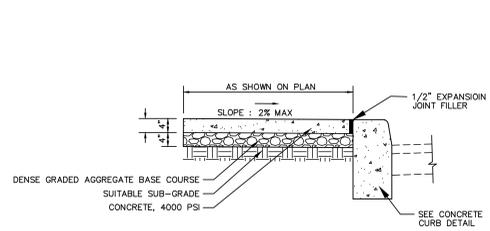
BASE
02
CW100502

ISSUED FOR ADDENDUM #1: 01-16-2020

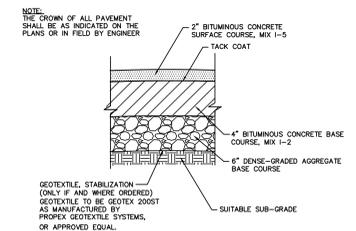


- NOTES:
- EXPANSION JOINTS 2" WIDE IN THE CURB SHALL BE PROVIDED AT APPROXIMATELY EQUAL DISTANCES OF NOT MORE THAN 20' BETWEEN THE JOINTS.
 - THE COST OF EXPANSION JOINTS IN THE CURB AND DENSE GRADED AGGREGATE BEDDING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CURB.
 - CONCRETE SHALL BE CLASS B WITH 28 DAY COMPRESSIVE STRENGTH OF 4500 PSI, AND 6% ± 1.5 AIR ENTRAINMENT.

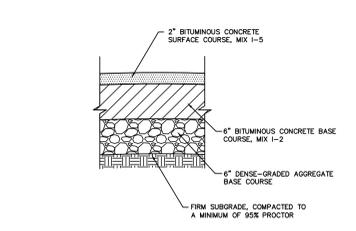
STANDARD 8"X9"X18" CONCRETE VERTICAL CURB DETAIL



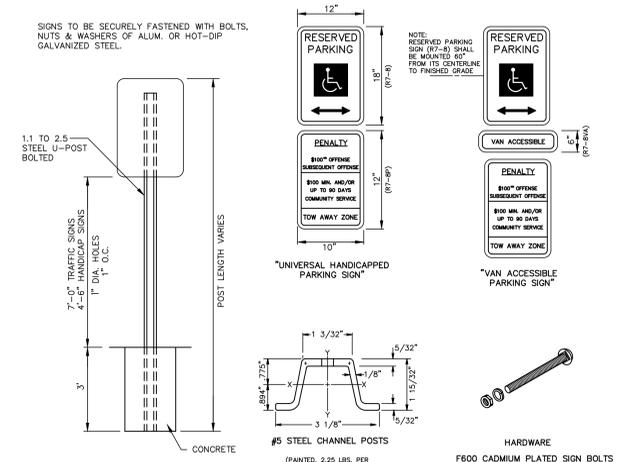
NEW SIDEWALK & NEW CURB DETAIL



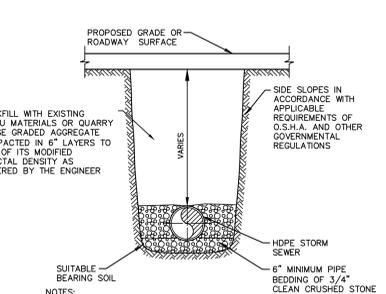
PAVEMENT DETAIL (ON SITE)



TYPICAL PAVEMENT DETAIL (WITHIN ROW)

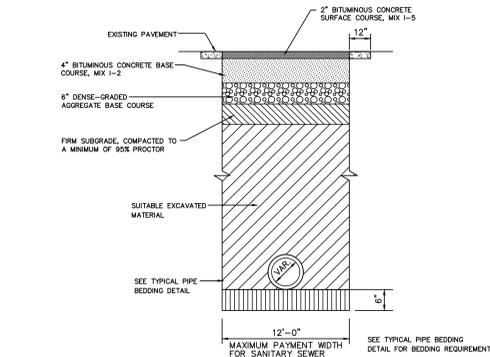


HANDICAPPED PARKING SIGN DETAILS

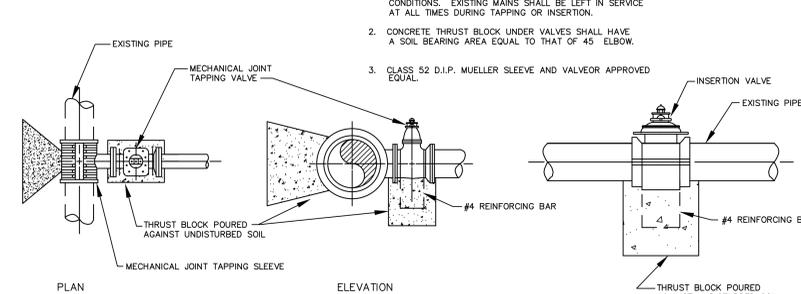


- NOTES:
- SHOULD UNSUITABLE BEDDING SOILS BE ENCOUNTERED, ADDITIONAL SUBGRADE PREPARATION CONSISTING OF OVER EXCAVATION AND REPLACEMENT WITH CRUSHED OVER EXCAVATION AND REPLACEMENT STONE WILL BE REQUIRED. THE DEPTH OF OVER EXCAVATION SHALL BE AS DETERMINED BY THE ENGINEER.
 - 2" WATER SERVICE AND 1 1/2" FORCE MAIN DOES NOT REQUIRE STONE BEDDING.

STANDARD TYPICAL PIPE BEDDING



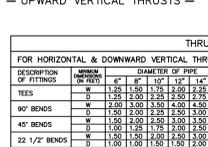
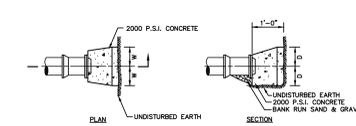
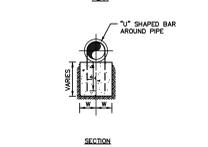
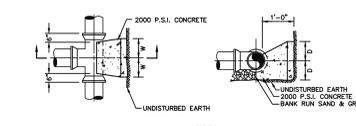
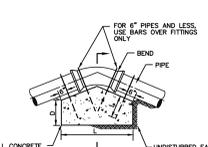
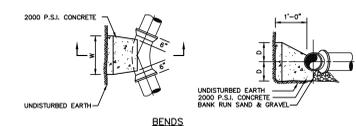
HMA ROADWAY TRENCH REPAIR



TAPPING SLEEVE AND VALVE

INSERTION VALVE

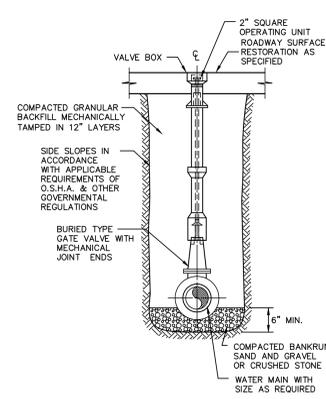
- TAPPING NOTES:
- INSTALLATION OF TAPPING SLEEVE AND VALVE AND INSERTION VALVE SHALL BE CONDUCTED UNDER "WET" CONDITIONS. EXISTING MAINS SHALL BE LEFT IN SERVICE AT ALL TIMES DURING TAPPING OR INSERTION.
 - CONCRETE THRUST BLOCK UNDER VALVES SHALL HAVE A SOIL BEARING AREA EQUAL TO THAT OF 45° ELBOW.
 - CLASS 52 D.I.P. MUELLER SLEEVE AND VALVE OR APPROVED EQUAL.



- THRUST BLOCK NOTES:
- BEARING AREAS SHOWN ARE BASED ON 2000 P.S.I. ALLOWABLE BEARING PRESSURE. WHERE SOILS ARE ENCOUNTERED WITH A POORER BEARING CAPACITY, THE CONTRACTOR SHALL INCREASE THE BEARING AREA AS MAY BE DIRECTED BY THE ENGINEER OR STRAP THE JOINTS IN A MANNER APPROVED BY THE ENGINEER.
 - ALL THRUST BLOCKS SHALL BE PAURED DIRECTLY AGAINST THE UNDISTURBED EARTH.
 - NO JOINTS SHALL BE COVERED WITH CONCRETE.
 - CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 P.S.I.
 - ALL THRUST BLOCKS FOR VERTICAL BENDS SHALL INCLUDE STRAPS TO SECURE FITTING TO BLOCK AND CONCRETE QUANTITY SHALL BE INCREASED AS DIRECTED BY ENGINEER.
 - ALL THRUST BLOCKS WERE DESIGNED FOR 100 P.S.I. NORMAL OPERATING PRESSURE. THE THRUST BLOCKS FOR HIGH PRESSURE LINES, IF ANY, SHALL BE INCREASED IN SIZE AS DIRECTED BY THE ENGINEER.

THRUST BLOCK SCHEDULE			
FOR HORIZONTAL & DOWNWARD VERTICAL THRUSTS		FOR UPWARD VERTICAL THRUSTS	
DESCRIPTION OF FITTINGS	MINIMUM DIAMETER OF PIPE	DESCRIPTION OF FITTINGS	MINIMUM DIAMETER OF PIPE
TEES	4"	45° BENDS	4"
90° BENDS	4"	22 1/2° BENDS	4"
45° BENDS	4"	11 1/4° BENDS	4"
22 1/2° BENDS	4"	CAPS	4"
11 1/4° BENDS	4"		
CAPS	4"		

NOTE: ALL W.D. & L. DIMENSIONS IN FEET - 1/4" = 3/16" BARS REQUIRED



UNDERGROUND GATE VALVE DETAILS

1	BID SET	1/15/2020	MJR	JW
No.	DESCRIPTION OF REVISION	DATE	DRAWN	CHECKED
33 COOPER FOLLY ROAD, WINSLOW TOWNSHIP CAMDEN COUNTY, NEW JERSEY WINSLOW TOWNSHIP SENIOR CENTER 2020 ADDITION & RENOVATIONS CONSTRUCTION DETAILS				
JOHN H. ALLGAR P.E., P.P. DAVID J. SAMUEL P.E., P.P. JOHN J. STEFANI P.E., L.S. & P.P. <small>(1983 - 2000) (1983 - 2000) (1983 - 2000)</small>				
GREGORY R. VALES P.E., P.P. MICHAEL J. MCLELLAND P.E., P.P. GREGORY & VALES P.E., P.P.				
DESIGNED BY: MJR CHECKED BY: MJR DATE: JAN 2020 SHEET: 4 OF 4				