

TAX MAP INSET
SHEET NO. 61 & 68
SCALE: 1" = 200' ±

PROPERTY OWNERS WITHIN 200 FT

PARCELS WITHIN RANGE OF TARGETED PROPERTIES:				
PAMS_PIN	Acres	Property Location	Owners Name	Mailing Address
1427_6100_2	18.9580	293 ROUTE 206	WASA PROPERTIES SUTTON PLAZA LLC	3512 QUENTIN RD. STE 204 BROOKLYN, NY 11234
1427_6100_2.1	0.9480	289 ROUTE 206	HADES NEW JERSEY LLC	23-58 STEINWAY ST ASTORIA, NY 11105
1427_6100_3	0.9952	295 ROUTE 206	CYZNER, IRV CYZNER PROPERTIES INC	192 ROUTE 22 WEST GREEN BROOK, NJ 08812
1427_6100_4	0.8609	1 DEERFIELD PL	MT OLIVE ASSOCIATES LLC BANK OF AM.	101 N TRYON ST NC10010381 CHARLOTTE, NC 28255
1427_6800_2	1.8753	286 ROUTE 206	RIAD DEVELOPMENT COMPANY, LLC	188 BERKLEY AVE BELLE MEAD, NJ 08502
1427_6800_5	0.6841	292 ROUTE 206	WHEATLEY ENTRPRISES, C/O LUKOIL, LLC	302 HARPER DR, SUITE 303 MOORESTOWN, NJ 080574701
1427_6800_6	0.4993	294 ROUTE 206	C/O ECOVA INC-MS1937	PO BOX 2440 SPOKANE, WA 99210
1427_6800_7	23.8900	306 ROUTE 206	BENJAMIN MOORE & CO.	101 PARAGON DR MONTVALE, N.J. 07645

UTILITY OWNERS

Bruce D. Smith
Hackensack Municipal Utilities Authority
P.O. Box 450
Hackensack, NJ 07840

R. Albanese
New Jersey Natural Gas
1415 Wyckoff Road
Wall, NJ 07719

Bruce Reynolds
Columbia Gas Transmission Corp
1470 Pochthouse Road
Doverstown, PA 15335-342

Mt Olive Township, Water & Sewer Department
P.O. Box 459
204 Flanders-Drakestown Road
Mt Olive, NJ 07838

NJ Department of Transportation
1035 Parkway Dr CN 600
Trenton, NJ 08625

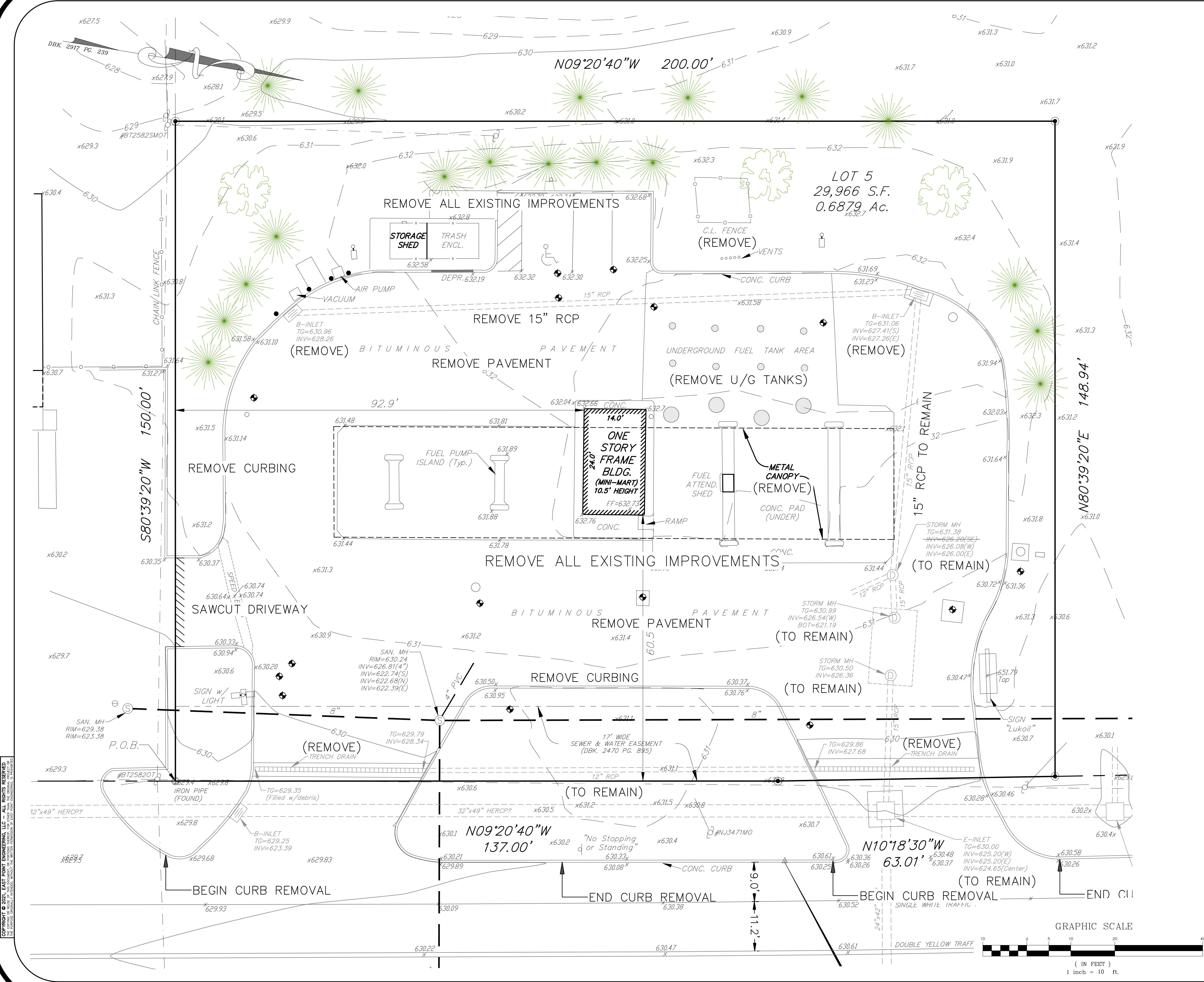
Public Service Electric & Gas Company
Manager - Corporate Properties
80 Park Plaza, 10th
Newark, NJ 07102

New Jersey - American Water Co. Inc
P.O. Box 5627
Cherry Hill, New Jersey 08034

Applied Wastewater Management
2 Clinco Lane
Hillsborough, NJ 08844


PYLON SIGN REQUIREMENTS (CH. 550-95.B.)

SEC. (2)(c)(i) A commercial establishment, including gasoline service stations and public garages, located within the C-1, C-2, C-3, C-4, C-5, C-6, C-7, C-8, C-9, C-10, C-11, C-12, C-13, C-14, C-15, C-16, C-17, C-18, C-19, C-20, C-21, C-22, C-23, C-24, C-25, C-26, C-27, C-28, C-29, C-30, C-31, C-32, C-33, C-34, C-35, C-36, C-37, C-38, C-39, C-40, C-41, C-42, C-43, C-44, C-45, C-46, C-47, C-48, C-49, C-50, C-51, C-52, C-53, C-54, C-55, C-56, C-57, C-58, C-59, C-60, C-61, C-62, C-63, C-64, C-65, C-66, C-67, C-68, C-69, C-70, C-71, C-72, C-73, C-74, C-75, C-76, C-77, C-78, C-79, C-80, C-81, C-82, C-83, C-84, C-85, C-86, C-87, C-88, C-89, C-90, C-91, C-92, C-93, C-94, C-95, C-96, C-97, C-98, C-99, C-100, C-101, C-102, C-103, C-104, C-105, C-106, C-107, C-108, C-109, C-110, C-111, C-112, C-113, C-114, C-115, C-116, C-117, C-118, C-119, C-120, C-121, C-122, C-123, C-124, C-125, C-126, C-127, C-128, C-129, C-130, C-131, C-132, C-133, C-134, C-135, C-136, C-137, C-138, C-139, C-140, C-141, C-142, 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C-1625, C-1626, C-1627, C-1628, C-1629, C-1630, C-1631, C-1632, C-1633, C-1634, C-1635, C-1636, C-1637, C-1638, C-1639, C-1640, C-1641, C-1642, C-1643, C-1644, C-1645, C-1646, C-1647, C-1648, C-1649, C-1650, C-1651, C-1652, C-1653, C-1654, C-1655, C-1656, C-1657, C-1658, C-1659, C-1660, C-1661, C-1662, C-1663, C-1664, C-1665, C-1666, C-1667, C-1668, C-1669, C-1670, C-1671, C-1672, C-1673, C-1674, C-1675, C-1676, C-1677, C-1678, C-1679, C-1680, C-1681, C-1682, C-1683, C-1684, C-1685, C-1686, C-1687, C-1688, C-1689, C-1690, C-1691, C-1692, C-1693, C-1694, C-1695, C-1696, C-1697, C-1698, C-1699, C-1700, C-1701, C-1702,

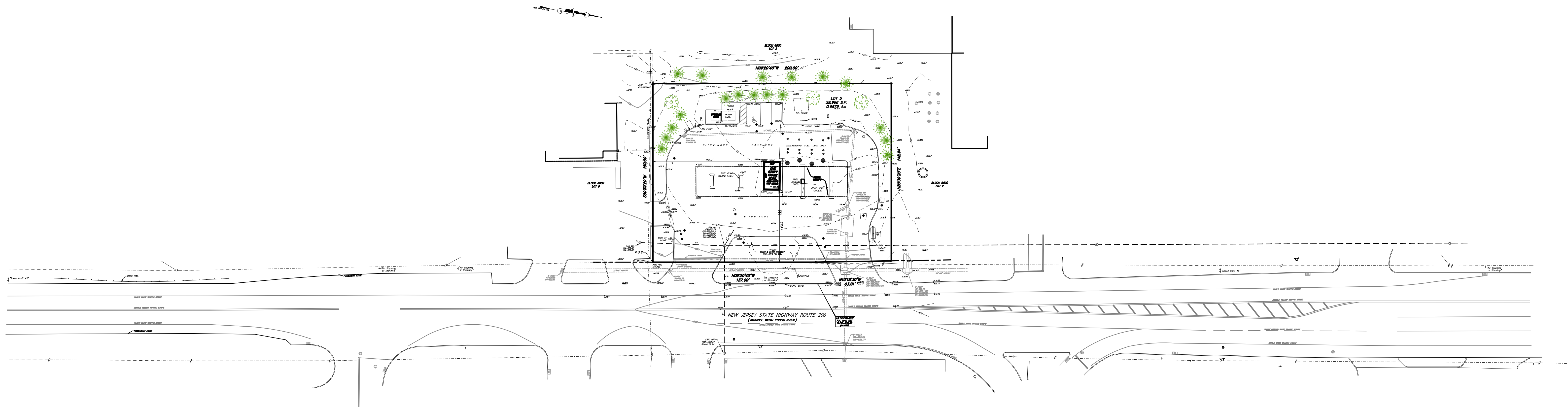


- DEMOLITION NOTES**
- CLEARING SITE SHALL INCLUDE, BUT IS NOT LIMITED TO, THE REMOVAL OF ALL INDICATED STRUCTURES, FOUNDATIONS, DEBRIS, RUBBLE, FENCES, TREES, STUMPS, EXISTING UTILITIES, UNSUITABLE MATERIALS, PAVEMENT, CONCRETE, AND SIGNAGE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL MATERIALS EXCAVATED OF WHATEVER NATURE AT HIS OWN EXPENSE. THE MUNICIPALITY IS NOT RESPONSIBLE FOR PROVIDING A DISPOSAL SITE. MATERIALS MUST BE DISPOSED OF IN ACCORDANCE WITH N.J.D.E.P. AND LOCAL REGULATIONS.
 - EXISTING ONSITE SUITABLE SOIL SHALL BE EXCAVATED, TRANSPORTED, SPREAD, GRADED, AND COMPACTED AS INDICATED BY THE PROPOSED GRADES. ALL EARTHWORK OPERATIONS INVOLVING ONSITE SOILS SHALL BE COMPLETED PRIOR TO IMPORTING ANY OFFSITE MATERIALS.
 - ANY UNSUITABLE MATERIAL FOUND ON SITE DURING DEMOLITION SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH N.J.D.E.P. AND LOCAL REGULATIONS.
 - NO TOPSOIL IS TO BE REMOVED FROM THE PROJECT SITE.
 - PRIOR TO COMMENCING DEMOLITION, THE CONTRACTOR SHALL SECURE THE APPROPRIATE PERMITS FROM THE MUNICIPALITY. IN ORDER TO APPLY FOR A DEMOLITION PERMIT, UTILITY DISCONNECTS MUST BE COORDINATED WITH THE UTILITY COMPANIES INDICATED ON THE COVER SHEET. CONFIRMATION OF THE DISCONNECTS SHALL BE PROVIDED TO THE BUILDING DEPARTMENT.
 - IF APPROVED BY THE MUNICIPAL ENGINEER, EXISTING CONCRETE MAY BE STORED ON SITE AND RECYCLED FOR USE AS COMPACTED FILL MATERIAL.
 - ALL SOIL EROSION & SEDIMENT CONTROL DEVICES MUST BE IN PLACE AND NOTICE PROVIDED TO THE SOIL CONSERVATION DISTRICT 72 HOURS PRIOR TO COMMENCING WORK.
 - A UTILITY MARKOUT MUST BE OBTAINED PRIOR TO DEMOLITION BY CONTACTING NEW JERSEY ONE-CALL AT 800-272-1000.
 - THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND THE EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. A PRE-CONSTRUCTION MEETING SHALL BE HELD NO LESS THAN 48 HOURS PRIOR TO WORK COMMENCING AND ALL UTILITY COMPANIES SHALL BE NOTIFIED.
 - DUMPSTERS USED FOR THE STORAGE OF CONSTRUCTION DEBRIS ARE NOT TO BE LEFT UNCOVERED OVERNIGHT.

SURVEY NOTE:
EXISTING FEATURES DEPICTED HEREON WERE OBTAINED FROM A PLAN ENTITLED, "LOCATION & TOPOGRAPHIC SURVEY, 292 N.J.S.H. ROUTE 206, TAX BLOCK 6800, LOT 5, TOWNSHIP OF MOUNT OLIVE, MORRIS COUNTY, NEW JERSEY," PREPARED BY DAVID A. STIRES ASSOCIATES, LLC, DATED NOVEMBER 1, 2022.

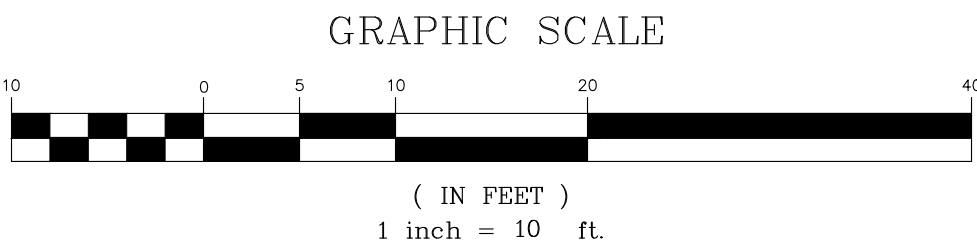
NO.	DATE	DESCRIPTION
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT EXISTING CONDITIONS / DEMOLITION PLAN BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68		
TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY		
 EAST POINT ENGINEERING, LLC NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 2460482169800		
11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180		
DATE: 12-02-22	PROJECT NUMBER: 22-166	SHEET NO. 2A OF 16
SCALE: 1" = 10'	CHECKED BY: BNP	
MARC S. LEBE N.J. PROFESSIONAL ENGINEER, LICENSE NO. 24604452400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 33100589800		


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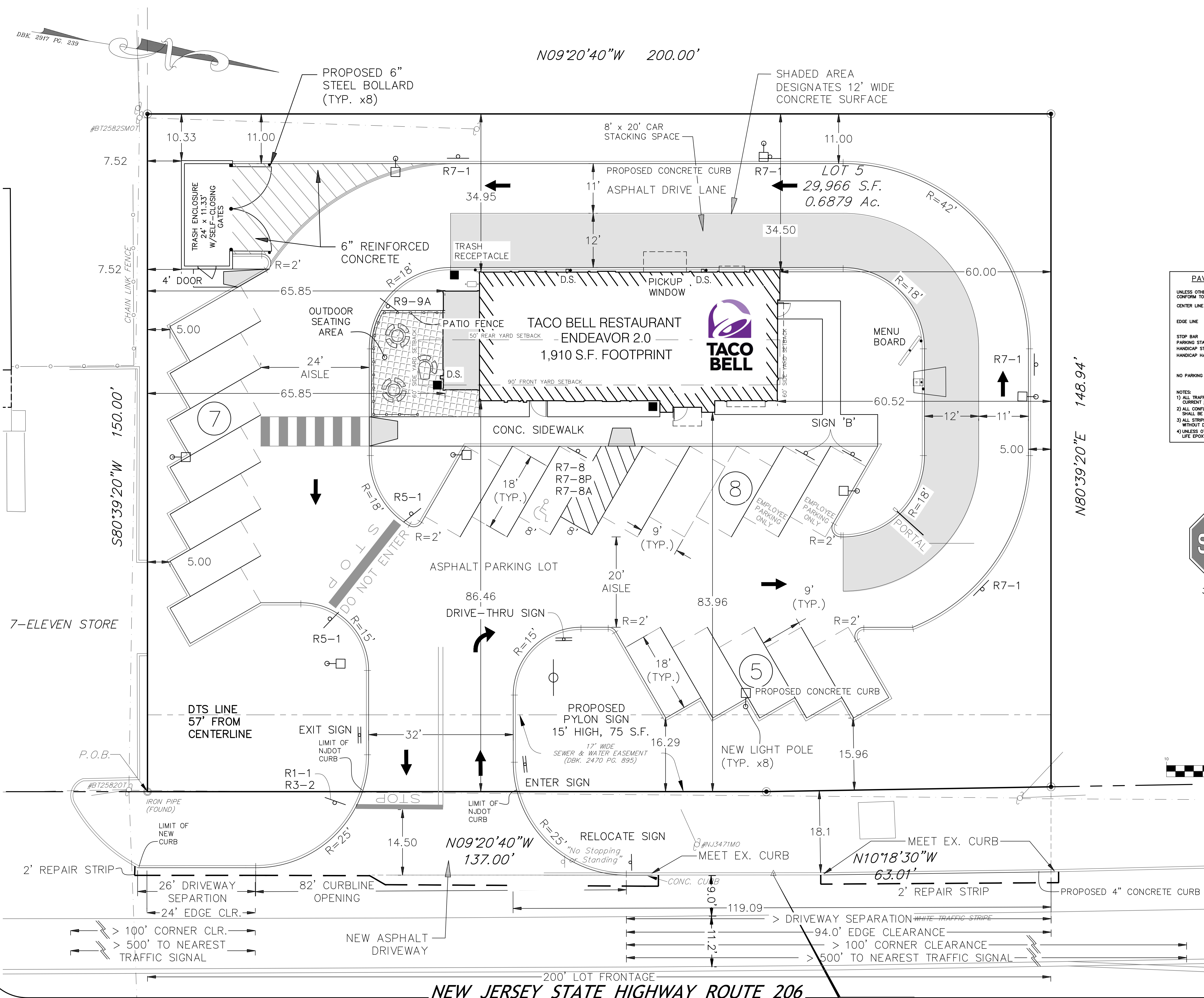
SURVEY NOTE:
EXISTING FEATURES DEPICTED HEREON WERE OBTAINED FROM A PLAN ENTITLED, "LOCATION & TOPOGRAPHIC SURVEY, 292 N.J.S.H. ROUTE 206, TAX BLOCK 6800, LOT 5, TOWNSHIP OF MOUNT OLIVE, MORRIS COUNTY, NEW JERSEY", PREPARED BY DAVID A. STIRES ASSOCIATES, LLC, DATED NOVEMBER 1, 2022.

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NO.	DATE	DESCRIPTION
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT NJDOT - EXISTING CONDITIONS PLAN WITHIN 500' BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68		
TOWNSHIP OF MOUNT OLIVE		MORRIS COUNTY, NEW JERSEY
 EAST POINT ENGINEERING, LLC NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800		
11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180		DATE: 12-02-22 PROJECT NUMBER: 22-166 SCALE: 1" = 10' CHECKED BY: BNP
MARC S. LEBE N.J. PROFESSIONAL ENGINEER, LICENSE NO. 246E04452400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 33100589800		DATE: 12-02-22 SHEET NO. 28 OF 16

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SITE IMPROVEMENT NOTES

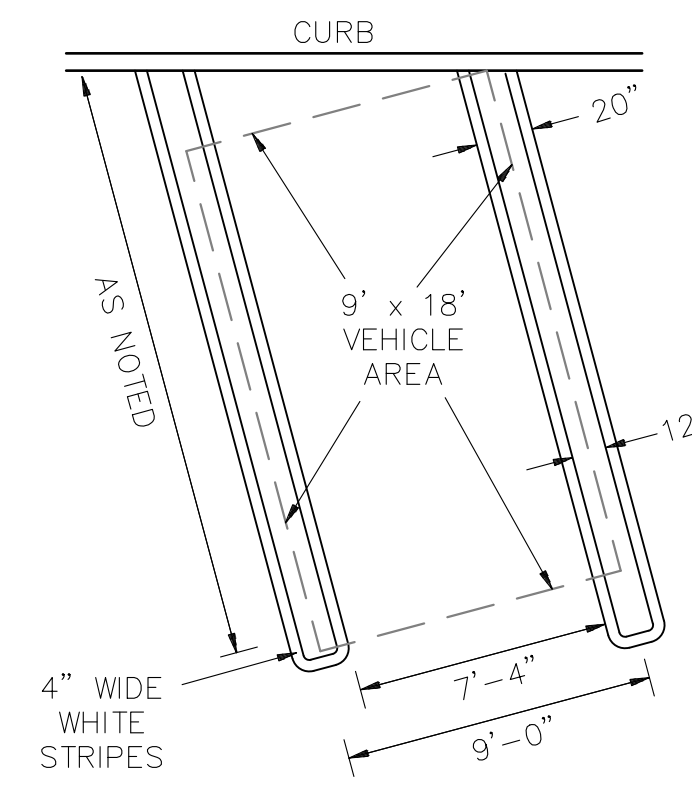
1. ALL SIGNS, STRIPING, AND DEVICES FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.), LATEST EDITION.
2. ALL JOINTS WITH EXISTING PAVED AREAS/ROADS SHALL BE CONSTRUCTED WITH A NEAT SAWCUT AND KEYWAY. JOINTS WITH EXISTING CONCRETE SHALL BE SAWCUT AND A BITUMINOUS MATERIAL PROVIDED AS AN EXPANSION JOINT FILLER.
3. ALL PARKING STALLS TO BE 9' x 18' UNLESS OTHERWISE NOTED ON THE PLANS.
4. SIDEWALKS, APRONS, RAMPS, AND CURBS TO BE CONSTRUCTED OF N.J.D.O.T. CLASS 'C', 4,500 PSI CONCRETE OR AS INDICATED IN THE CONSTRUCTION DETAILS.
5. SHOP DRAWINGS SHALL BE SUBMITTED TO THE MUNICIPAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.
6. DEPRESSED CURBS AT ALL CURB RAMPS SHALL BE CONSTRUCTED OUT OF CONCRETE AND INCLUDE A DETECTABLE WARNING SURFACE.
7. A KNOX BOX SHALL BE PROVIDED AT THE BUILDING ENTRANCE FOR FIRE DEPARTMENT ACCESS.
8. THE SPEAKER SYSTEM FOR THE DRIVE-THRU SHALL BE A HIGH DEFINITION TYPE WITH AUTOMATIC VOLUME CONTROL. AN AUTOMATIC VOLUME CONTROL SYSTEM SELF-ADJUSTS THE SOUND BASED ON AMBIENT BACKGROUND NOISE.
9. REFER TO ARCHITECTURAL PLANS PREPARED BY WIENER ARCHITECTURE GROUP, LLC FOR BUILDING CONSTRUCTION INFORMATION.
10. ALL ROOFTOP EQUIPMENT SHALL BE SCREENED FROM VIEW AND THE SCREEN SHALL LIMIT NOISE FROM BEING DIRECTED TOWARDS ADJOINING PROPERTIES.
11. ALL CURB RADII ARE MEASURED TO THE FACE OF CURB.
12. ALL CONSTRUCTION WILL BE IN ACCORDANCE WITH THE CITY DESIGN STANDARDS AND DETAILS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AS-BUILT DRAWINGS TO THE MUNICIPALITY UPON COMPLETION OF THE WORK.

PAVEMENT MARKING LEGEND

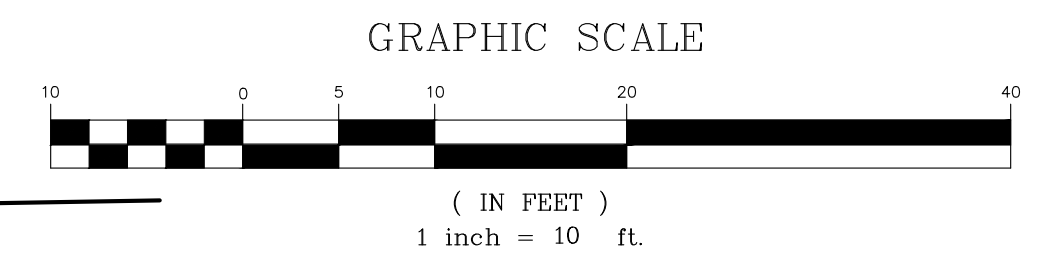
UNLESS OTHERWISE SHOWN, PAVEMENT MARKINGS SHOULD CONFORM TO THE FOLLOWING:

CENTER LINE	-DBL. 4" WIDE SOLID YELLOW LINES, GAPPED AT INTERSECTIONS ONLY
EDGE LINE	-4" WIDE SOLID WHITE LINE, GAPPED AT INTERSECTIONS ONLY
STOP BAR	-24" WIDE SOLID WHITE LINE
PARKING STALL LINES	-4" WIDE SOLID WHITE LINE
HANDICAP STALL LINES	-4" WIDE SOLID BLUE LINE
HANDICAP HATCH LINES	-SPACED 3" O.C. -ANGLED 45° TO PARKING DIRECTION
NO PARKING HATCH LINES	-4" WIDE SOLID YELLOW LINE -SPACED 3" O.C. -ANGLED 45° TO PARKING DIRECTION

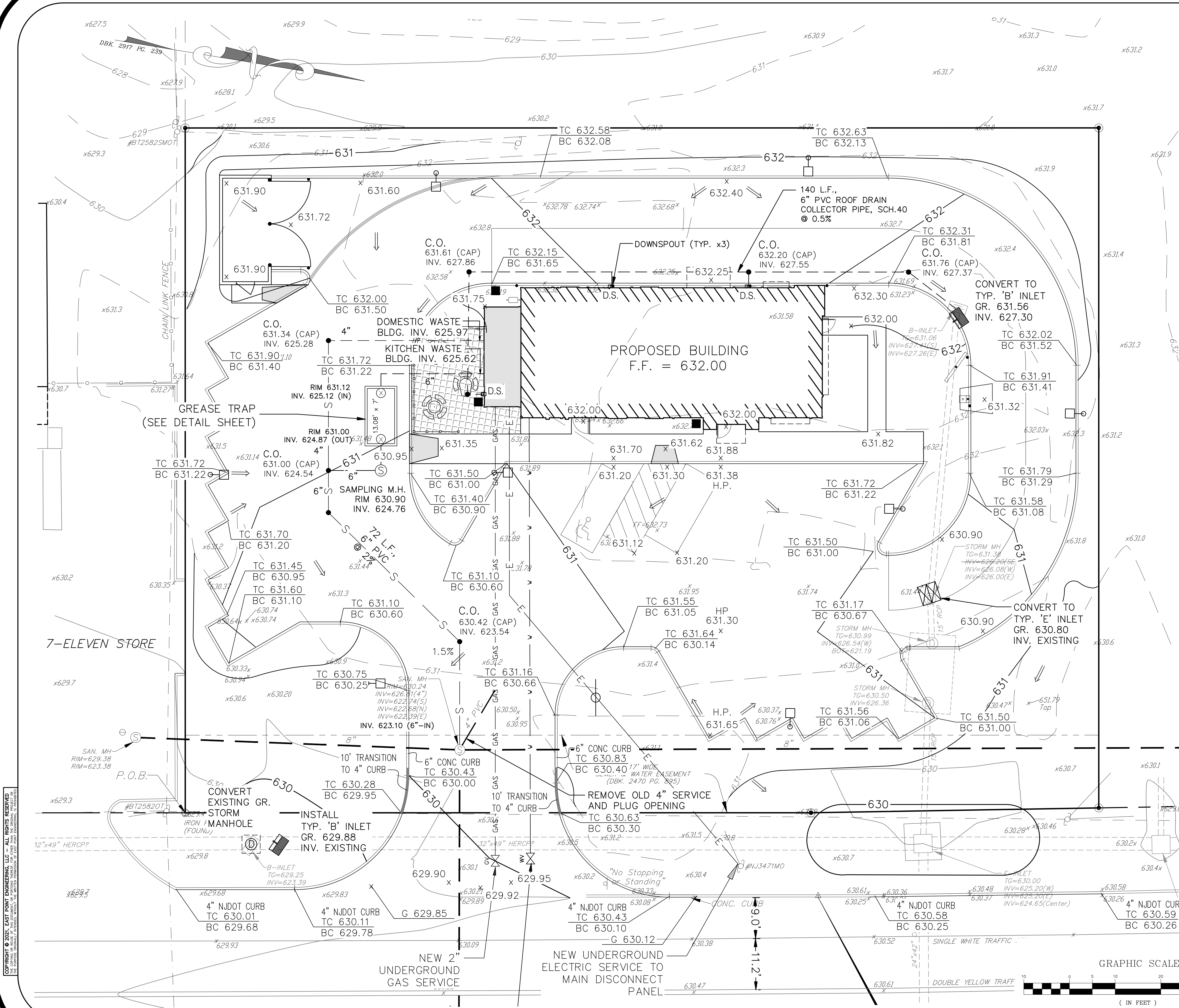
NOTES:
1) ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2) ALL CONFLICTING SIGNS, TREES AND OTHER OBSTRUCTIONS SHALL BE REMOVED AS PART OF THIS CONSTRUCTION.
3) ALL STRIPING TO BE REMOVED SHALL BE GROUND OFF WITHOUT DAMAGE TO THE PAVEMENT STRUCTURE.
4) UNLESS OTHERWISE NOTED, ALL STRIPING SHALL BE LONG-LIFE EPOXY RESIN OR THERMOPLASTIC.



TRAFFIC SIGNAGE
N.T.S.



1	10-30-23	REVISED PER TOWNSHIP REVIEW
NO.	DATE	DESCRIPTION
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT SITE LAYOUT PLAN / NJDOT PERMIT PLAN BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68		
TOWNSHIP OF MOUNT OLIVE		MORRIS COUNTY, NEW JERSEY
		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180
DATE: 12-02-22 SCALE: 1" = 10'		PROJECT NUMBER: 22-166 CHECKED BY: BNP
DATE: 10-30-23		SHEET NO. 3 OF 16



- UTILITY NOTES**
- EXISTING UTILITY INFORMATION IS BASED ON INFORMATION OF RECORD AND HAS BEEN GATHERED FROM NUMEROUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION AND REQUEST A MARKOUT BY CONTACTING N.J. ONE-CALL AT (800) 272-1000. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.
 - ALL PROPOSED UTILITIES SHALL BE INSTALLED UNDERGROUND.
 - A ROAD OPENING PERMIT MAY BE REQUIRED TO CONNECT CERTAIN UTILITIES TO OFF-SITE FACILITIES. THE CONTRACTOR SHALL OBTAIN THIS PERMIT BY CONTACTING THE MUNICIPAL OR COUNTY ROAD DEPARTMENT.
 - ALL TRENCHES SHALL BE BACKFILLED WITHOUT DELAY. OPEN TRENCHES SHALL BE KEPT TO A MINIMUM AND PROTECTED AND/OR COVERED WITH STEEL PLATES WHEN WORK IS NOT IN PROGRESS.
 - ELECTRIC, TELEPHONE, AND CATV SERVICE LAYOUT MUST BE COORDINATED WITH THE RESPECTIVE UTILITY COMPANY. THE LOCATIONS OF TRENCHES, TRANSFORMERS, PEDESTALS, AND DROP CONNECTIONS WILL BE FINALIZED UPON APPLICATION FOR NEW SERVICE.
 - UNDERGROUND ELECTRIC SHALL INCLUDE PROVISIONS FOR PARKING LOT LIGHTING. A LIGHTING PLAN IS INCLUDED (SHEET 6).

- SANITARY SEWER NOTES**
- THE LOCATION OF EXISTING SEWER LINES DEPICTED HEREON WERE OBTAINED FROM VARIOUS SOURCES. PRIOR TO CONSTRUCTION OF SANITARY SEWER FACILITIES, THE SIZE, LOCATION, AND CONDITION OF THE EXISTING SERVICE TIE-IN LOCATION MUST BE VERIFIED IN THE FIELD BY EXCAVATION AND INSPECTION.
 - ALL PROPOSED 4" AND 6" PVC SANITARY SEWER PIPING SHALL BE INSTALLED AT A MINIMUM SLOPE OF 2%.
 - ALL EXISTING WATER & SEWER SERVICE LATERALS SHALL BE DISCONNECTED AND ABANDONED AS REQUIRED BY THE UTILITY COMPANY.
 - REFERENCE PLAN SHEET 11 FOR GREASE TRAP INFORMATION.
 - A SEPARATE DOMESTIC WASTE LINE SHALL BE PROVIDED AND CONNECTED TO THE KITCHEN WASTE LINE AFTER THE GREASE TRAP MONITORING MANHOLE AS DEPICTED HEREON.
 - THE TOWNSHIP SHALL HAVE NO RESPONSIBILITY FOR OWNERSHIP, MAINTENANCE, OR OPERATION OF THE SANITARY SEWER FACILITIES, INCLUDING THE GREASE TRAP AND LATERALS, AS PROPOSED HEREIN. OWNERSHIP, MAINTENANCE, AND OPERATION OF THE SANITARY FACILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CURRENT OR FUTURE PROPERTY OWNER.
 - ALL CLEANOUTS IN A PAVED AREA SHALL HAVE A MONUMENT BOX WITH ACCESS COVER.
 - LATERAL CLEANOUT SPACING SHALL NOT EXCEED 75 FEET.
 - THE PROPOSED SANITARY SEWER PIPES SHALL BE WATER JET CLEANED, SLUGGED, AND TELEVIEWED PRIOR TO ISSUING EITHER A TEMPORARY CERTIFICATE OF OCCUPANCY OR PERMANENT CERTIFICATE OF OCCUPANCY. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A COPY OF THE VIDEO RESULTS TO THE TOWNSHIP SEWER DEPARTMENT. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF THE WATER USED BY THE WATER JET CLEANING AND SUBMITTING DOCUMENTATION OF THE DISPOSAL TO THE TOWNSHIP SEWER DEPARTMENT.
 - REFER TO PLUMBING DRAWINGS FOR INSTALLATION OF GREASE TRAP VENT PIPE AND OUTSIDE SANITARY CLEANOUTS.

- GAS CONNECTION NOTE**
- THE EXACT LOCATION OF THE PROPOSED GAS CONNECTION SHALL BE COORDINATED WITH THE GAS COMPANY.

- WATER SERVICE NOTES**
- THE MINIMUM SIZE OF THE WATER SERVICE SHALL BE AS APPROVED BY THE TOWNSHIP WATER DEPARTMENT SUPERVISOR BASED ON THE ESTIMATED POTABLE WATER DEMAND.
 - AN EASEMENT MAY BE NECESSARY. IF IT IS REQUIRED, IT SHALL BE DEDICATED TO THE WATER COMPANY FOR THE WATER LINE ON THE PROPERTY.
 - THE OWNER OF THE PROPERTY IS RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL WATER LINES, HYDRANTS, AND VALVES ON THE PROPERTY EXCEPT FOR THE SOUTH BRUNSWICK TOWNSHIP WATER MAIN THAT IS ON THE SITE.
 - IF THE WATER SERVICE VALVE BOX IS IN THE GRASS AREA THEN A 12-INCH SQUARE CONCRETE PAD MUST BE PROVIDED FOR PROTECTION. IF A WATER CURB BOX IS LOCATED IN A DRIVEWAY OR SIDEWALK, THEN A STREET VALVE RISER AND CAP SHALL BE INSTALLED TO PROTECT IT FROM VEHICLE AND PLOW DAMAGE.
 - NO CURBS SHALL BE INSTALLED OVER TOP OF ANY WATER MAINS RUNNING PARALLEL ALONG ROUTE 1, ACCESS TO THESE MAINS IS NECESSARY.
 - NO TREES OR SHRUBS SHALL BE PLANTED ON TOP OF ANY TOWNSHIP OWNED WATER MAINS, ACCESS TO THESE MAINS IS NECESSARY.
 - STAINLESS STEEL TAPPING SADDLE WILL BE USED FOR THE WATER CONNECTION IF NEEDED.
 - BRASS BALL VALVES SHALL BE INSTALLED ON BOTH SIDES OF THE WATER METER.
 - THE EXISTING WATER SERVICE SHALL BE REMOVED TO THE SATISFACTION OF THE TOWNSHIP UTILITY DEPARTMENT AND TOWNSHIP ENGINEER.
 - COORDINATE PLACEMENT OF THE NEW WATER SERVICE CONNECTION WITH MOUNT OLIVE WATER & SEWER UTILITY, TELEPHONE NUMBER (973) 584-7086.
 - REFER TO PLUMBING PLANS FOR BACKFLOW PREVENTER AND HOSE BIB CONNECTION LOCATIONS.



2	10-30-23	REVISED PER TOWNSHIP REVIEW
1	05-31-23	REVISED PER NJDOT REVIEW
NO.	DATE	DESCRIPTION

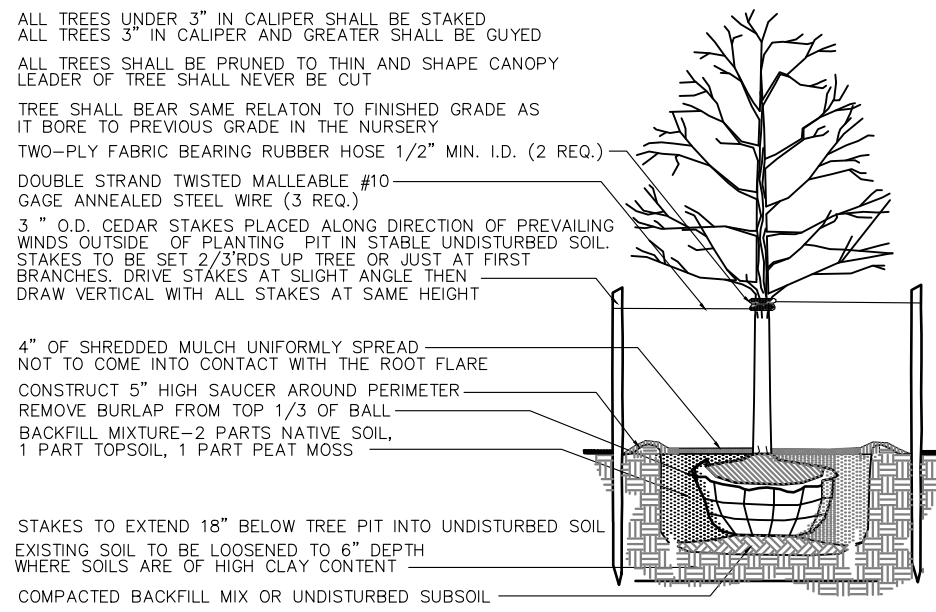
PRELIMINARY & FINAL MAJOR SITE PLAN
292 N.J.S.H. ROUTE 206 - TACO BELL RESTAURANT
GRADING & UTILITY PLAN
BLOCK 6800, LOT 5
TAX MAP SHEET NO. 68

TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY

EAST POINT ENGINEERING, LLC
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800

11 South Main Street
Marlboro, NJ 07746
Tel: 732.577.0180

DATE: 12-02-22
SCALE: 1" = 10'
PROJECT NUMBER: 22-166
CHECKED BY: BNP
SHEET NO. 4 OF 16

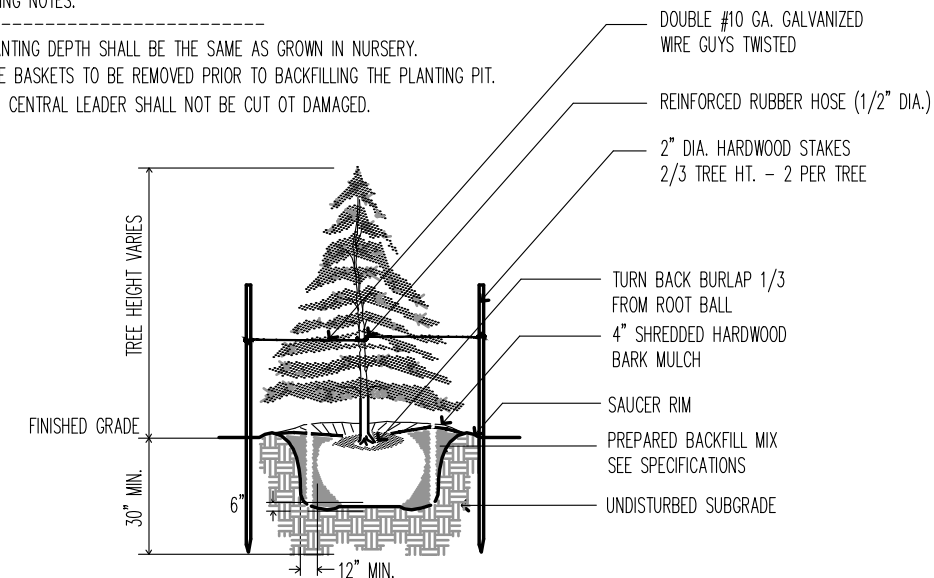


N.T.S.

NOTE: ALL WIRE BASKETS SHALL BE REMOVED FROM THE TREE BALL AFTER SETTLING INTO THE PLANTING PIT.

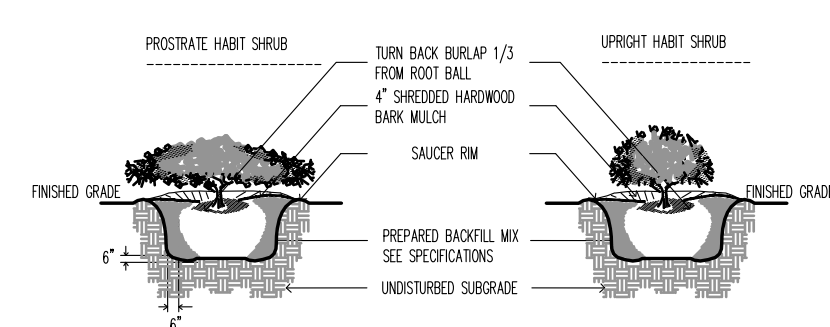
PLANTING NOTES:

1. PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY.
2. WIRE BASKETS TO BE REMOVED PRIOR TO BACKFILLING THE PLANTING PIT.
3. THE CENTRAL LEADER SHALL NOT BE CUT OR DAMAGED.



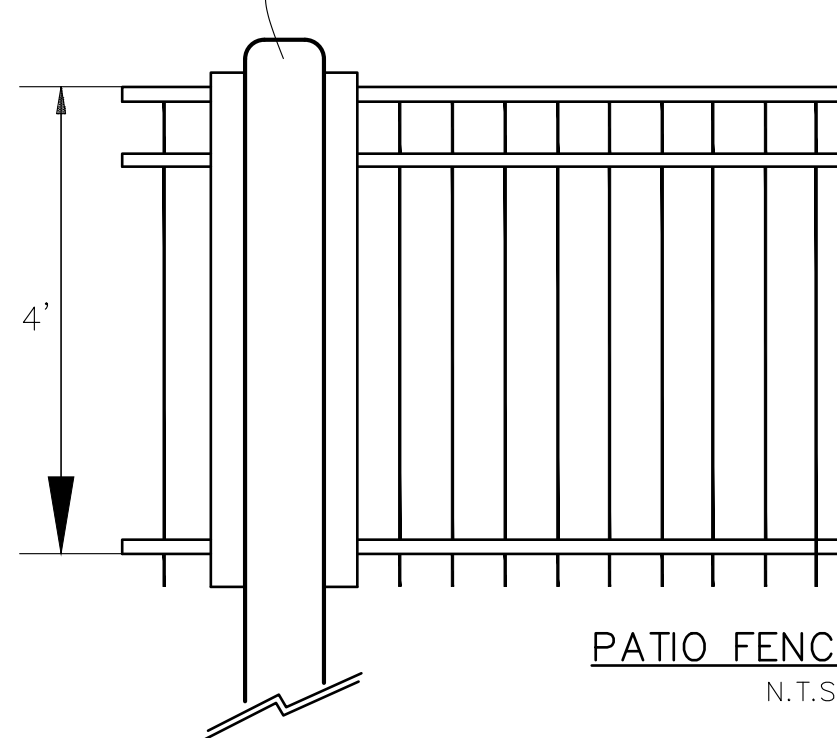
N.T.S

NOTE: ALL WIRE BASKETS SHALL BE REMOVED FROM THE TREE BALL AFTER SETTLING INTO THE PLANTING PIT.



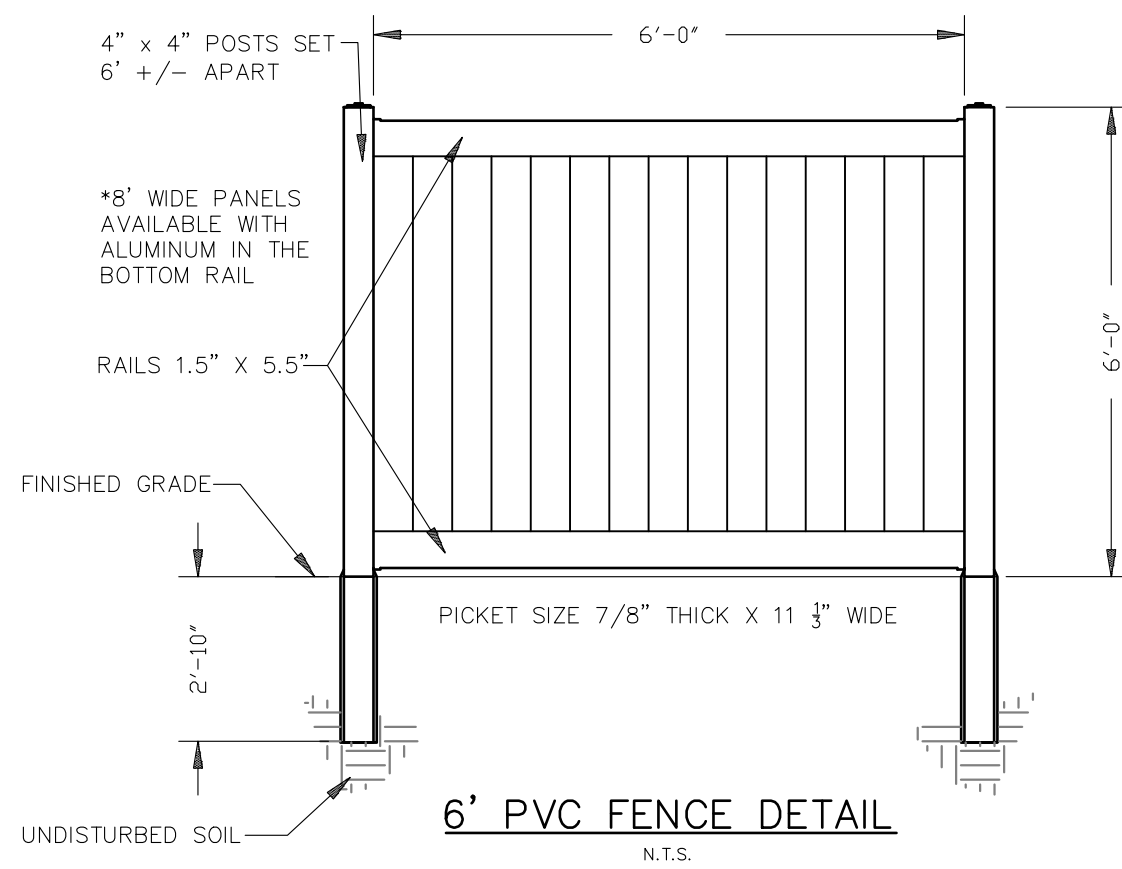
N.T.S

6" STEEL BOLLARD AT END OF EACH SECTION



N.T.S.



COMPONENT	
PICKETS	$\frac{3}{8}"$ SQ. x 0.050 WALL
HORIZONTAL RAILS	$1" \times 1"$
SIDE WALLS	0.082 WALL
TOP WALL	0.060 WALL
STANDARD POSTS	$2" \text{ SQ.} \times 0.060 \text{ WALL}$
GATE POSTS	$2" \text{ SQ.} \times 0.125 \text{ WALL}$
SPACING BETWEEN PICKETS	$3 \frac{1}{8}"$
STANDARD TIGHTER SPACING*	$1 \frac{1}{8}"$
MAXIMUM POST SPACING	$72" \times \text{ON CENTER}$
HEIGHT	$48"$
COLOR	BLACK

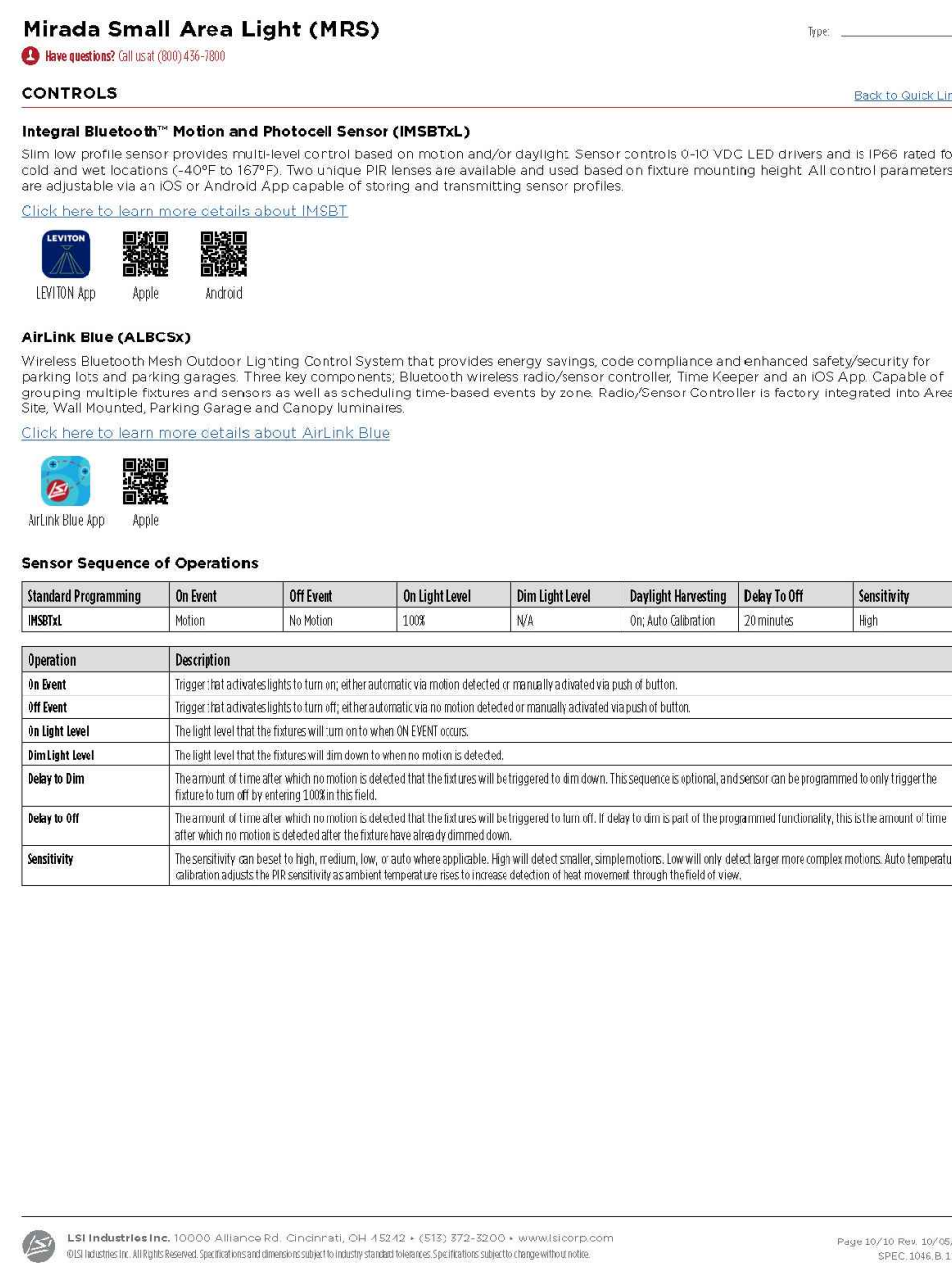


I.T.S.

(IN FEET)
inch = 10 ft.

PRIOR TO INSTALLATION OF TREES, THE CONTRACTOR SHALL MARK-OUT ALL SANITARY SEWER PIPES IN ORDER TO ENSURE THAT THE TREES ARE INSTALLED A MINIMUM OF 10 FEET AWAY FROM THE SANITARY SEWER PIPES.

1	10-30-23	REVISED PER TOWNSHIP REVIEW
NO.	DATE	DESCRIPTION
<p align="center">PRELIMINARY & FINAL MAJOR SITE PLAN 292 N.J.S.H. ROUTE 206 - TACO BELL RESTAURANT LANDSCAPING PLAN BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68</p> <p>TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY</p>		
 <p align="center">EAST POINT ENGINEERING, LLC NEW JERSEY CERTIFICATE OF AUTHORITY NUMBER: 2460428169800 10-30-23</p>		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0780
 <p>MARK S. LEBEL N.J. PROFESSIONAL ENGINEER N.J. PROFESSIONAL PLANNER N.J. No. CE0404724 State of New Jersey Mechanical 10-30-23</p>	DATE: 12-02-22 SCALE: 1" = 1' DATE:	PROJECT NUMBER: 22-166 CHECKED BY: BNP SHEET NO. 5 OF 16



Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
-	Fc	N.A.	N.A.	N.A.	N.A.	N.A.
DRIVE THRU SURFACE	Fc	1.43	2.3	0.3	4.77	7.67
PARKING LOT SURFACE	Fc	1.48	3.1	0.3	4.93	10.33


1.	SITE LIGHTING LAYOUT AND DESIGN IS DEPICTED ON THE LIGHTING PLAN.	9.	THE ELECTRICAL CONTRACTOR SHALL PROVIDE GROUND RODS AND MAKE CONNECTION TO THE GROUND STUD. THE GROUND STUD SHOULD BE LOCATED INSIDE THE SHAFT AND ACCESSIBLE VIA A HANDHOLE.
2.	ALL SITE LIGHTING SHALL RECEIVE UNDERGROUND ELECTRICAL SERVICE. THE ELECTRICIAN SHALL BE RESPONSIBLE FOR CIRCUITRY.	10.	THE ELECTRICAL CONTRACTOR MUST COORDINATE THE INSTALLATION OF WIRING IN THE POLES UP TO THE LIGHTING FIXTURES.
3.	A TIME CLOCK TO CONTROL THE SITE LIGHTING SHALL BE PROVIDED FOR ALL SITE LIGHTING. THE NECESSARY CONTROLS AND WIRING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.	11.	THE NUMBER AND SIZE OF THE POWER CONDUITS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
4.	HOURS OF THE PROPOSED SITE LIGHTING SHALL BE ONE-HALF HOUR BEFORE SUNSET TO ONE-HALF HOUR AFTER SUNRISE. LIGHTING SHALL DIM TO 50% AFTER THE RESTAURANT CLOSES.	12.	ALL SITE LIGHTING SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPALITY, THE ELECTRIC UTILITY, AND THE RECOMMENDATIONS OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA).
5.	THE ELECTRICAL CONTRACTOR SHALL PROVIDE POLE FOUNDATIONS COMPLETE WITH CONDUITS FOR POWER, GROUNDING, AND ANCHOR BOLTS.	13.	SITE LIGHTING SPECIFIED SHALL BE INSTALLED PER MANUFACTURER'S DETAILS AND SPECIFICATIONS.
6.	ALL POLES THAT ARE NOT BEHIND CURBS OR WITHIN A CURBED ISLAND SHALL BE INSTALLED ON CONCRETE BASES THAT EXTEND 30" ABOVE THE FINISHED GRADE OF PAVEMENT. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE COMPLETE DESIGN OF THESE BASES AS SIGNED AND SEALED BY A NEW JERSEY LICENSED ENGINEER.	14.	POLES AND LUMINAIRES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
7.	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL LIGHTING FIXTURES, POLES, FOUNDATIONS, AND LAMPS.	15.	ALL CONDUIT SHALL BE 2" DIAMETER, SCHEDULE 40 P.V.C. WITH A MINIMUM COVER OF 24".
8.	THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE REQUIRED BRANCH CIRCUIT WIRING AND CONNECT THE SITE LIGHTING FIXTURES TO THE PROPER CIRCUITS AFTER THEY HAVE BEEN INSTALLED.	16.	ALL SWEEPS SHALL HAVE A MINIMUM RADIUS OF 24". NO ELBOWS SHALL BE PERMITTED.



1	10-30-23	REVISED LAYOUT
NO.	DATE	DESCRIPTION


PRELIMINARY & FINAL MAJOR SITE PLAN
292 N.J.S.H. ROUTE 206 - TACO BELL RESTAURANT
LIGHTING PLAN
 BLOCK 6800, LOT 5
 TAX MAP SHEET NO. 68

TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY



EAST POINT
 ENGINEERING, LLC
 NEW JERSEY CERTIFICATE OF
 AUTHORIZATION NO. 240A28169800

11 South Main Street
 Marlboro, NJ 07746
 Tel: 732.577.0180



MARC S. LEBEL
 N.J. PROFESSIONAL ENGINEER, LICENSE NO. 240E04452400

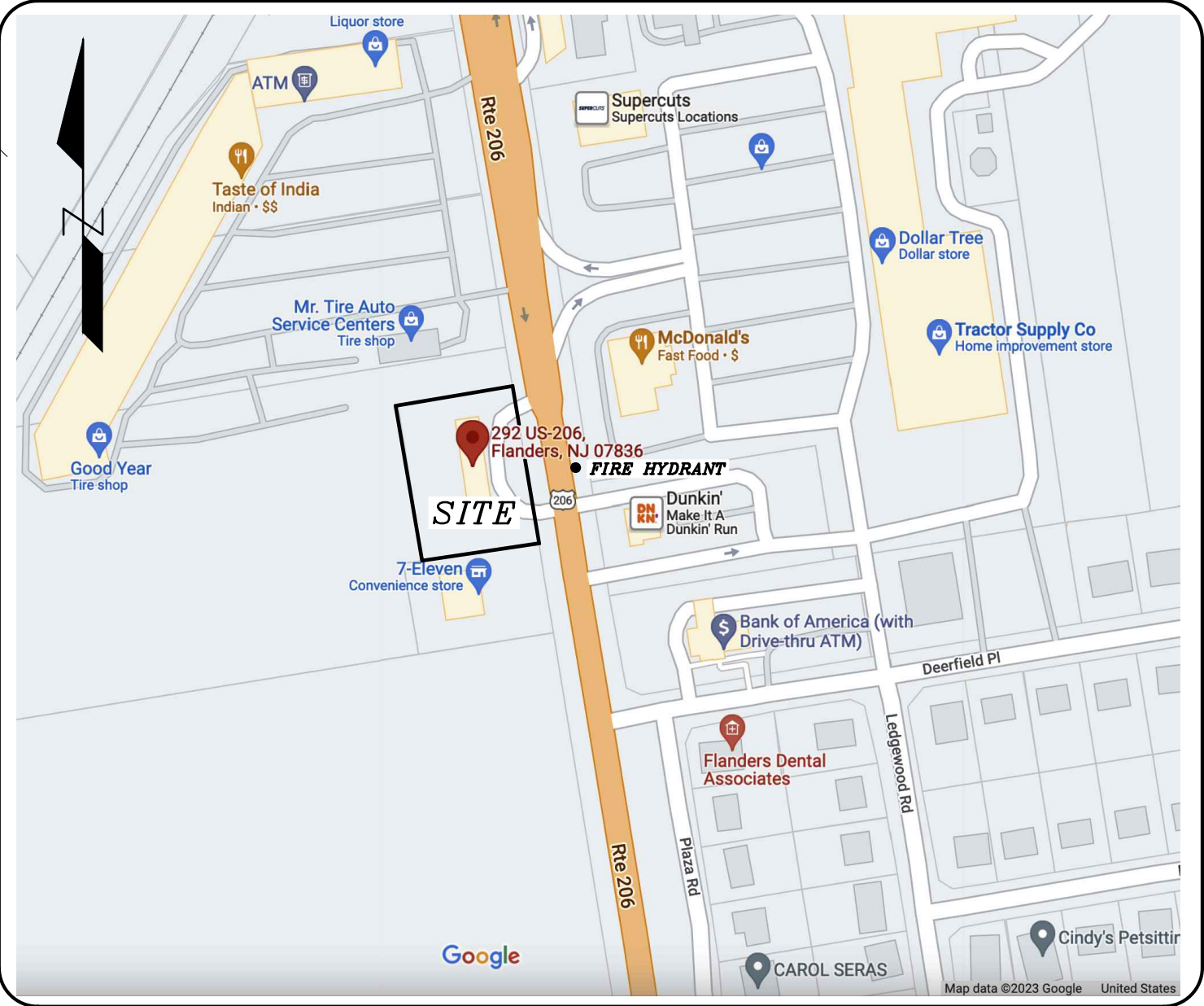
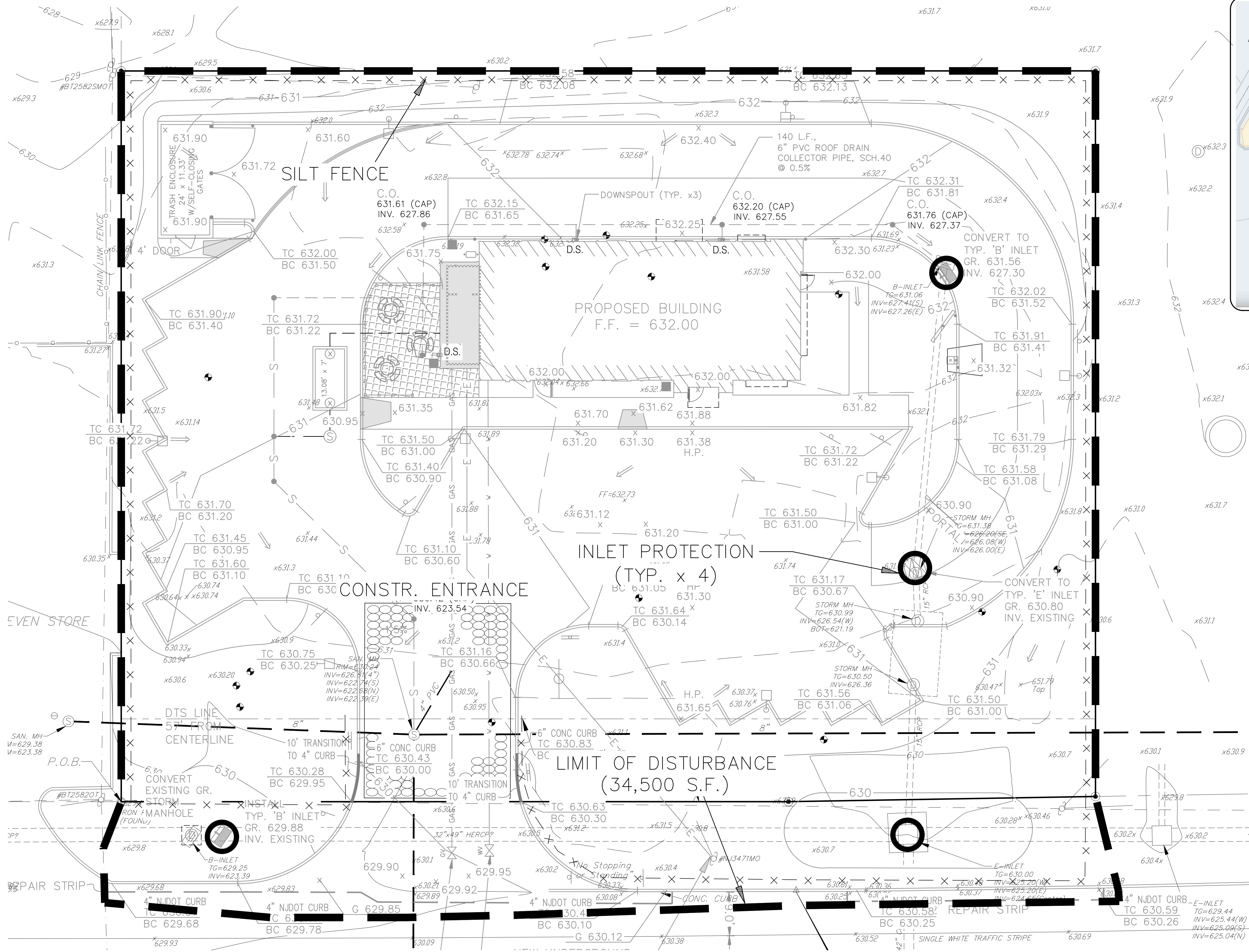
10-30-23

DATE

DATE:	PROJECT NUMBER:
12-02-22	22-166
SCALE:	CHECKED BY:
1" = 20'	BNP

SHEET NO. 6 OF 16

CONTACT FOR MATERIALS
CAPITOL LIGHT
ATTN: PAUL MILLER
TEL: (814) 312-7505



KEY MAP

SCALE: 1" = 200' ±

NOTE: SITE IS EXEMPT FROM SOIL COMPACTION TESTING AS IT IS PRESENTLY FULLY DEVELOPED AND MOSTLY IMPERVIOUS.

NO.	DATE	REVISION	DESCRIPTION
1	10-30-23		
2	12-02-22		
3	12-02-22		
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5	12-02-22		
6	12-02-22		
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100	12-02-22		

PRELIMINARY & FINAL MAJOR SITE PLAN
292 N.J.S.H. ROUTE 206 - TACO BELL RESTAURANT
SOIL EROSION & SEDIMENT CONTROL PLAN
BLOCK 6800, LOT 5
TAX MAP SHEET NO. 68
TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY

EAST POINT
ENGINEERING, LLC
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800
11 South Main Street
Marlboro, NJ 07746
Tel: 732.577.0180

MARC S. LEBE
N.J. PROFESSIONAL ENGINEER, LICENSE NO. 24604452400
N.J. PROFESSIONAL PLANNER, LICENSE NO. 33100589800

DATE: 12-02-22
SCALE: 1" = 10'
PROJECT NUMBER: 22-166
CHECKED BY: BNP
SHEET NO. 7 OF 16

GRAPHIC SCALE



(IN FEET)

1 inch = 20 ft.

SOIL EROSION & SEDIMENT CONTROL NOTES

Morris County Soil Conservation District
Soil Erosion and Sediment Control Notes

- All Soil Erosion and Sediment Control Practices will be installed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey, and will be in place prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
- Any disturbed area that will be left exposed for more than fourteen (14) days and not subject to construction traffic shall immediately receive a temporary seeding. If the season prohibits temporary seeding, the disturbed areas will be mulched with straw or hay and tacked in accordance with the New Jersey Standards. See Note 22 below.
- Permanent vegetation is to be established on exposed areas within ten (10) days after final grading. Mulch is to be used for protection until vegetation is established. See Note 23 below.
- Immediately following initial disturbance or rough grading. All critical areas (steep slopes, sandy soils, wet conditions) subject to erosion will receive a temporary seeding in accordance with Note 22 below.
- Temporary Diversion Berms are to be installed on all cleared roadways and easement areas. See the Diversion Detail.
- Permanent Seeding and stabilization to be in accordance with the "Standard for Permanent Vegetative Cover for Soil Stabilization". Specified rates and locations shall be on the approved Soil Erosion and Sediment Control Plan.
- The site shall at all times be graded and maintained so that all stormwater runoff is diverted to Soil Erosion and Sediment Control facilities.
- All sedimentation structures (silt fence, inlet filters, and sediment basins) will be inspected and maintained daily.
- Stockpiles shall not be located within 50' of a floodplain, slope, drainage facility, or roadway. All stockpiles bases shall have a silt fence properly entrenched at the toe of slope.
- A Stabilized Construction Access will be installed, whenever an earthen road intersects with a paved road. See the Stabilized Construction Access detail and chart for dimensions.
- All new roadways will be treated with suitable sub base upon establishment of final grade elevations.
- Paved roadways must be kept clean at all times.
- Before discharge points become operational, all storm drainage outlets will be stabilized as required.
- All dewatering operations must be discharged directly into a sediment filter area. The filter should be composed of a fabric or approved material. See the Dewatering detail.
- All sediment basins will be cleaned when the capacity has been reduced by 50%. A clean out elevation will be identified on the plan and a marker installed on the site.
- During and after construction, the applicant will be responsible for the maintenance and upkeep of the drainage structures, vegetation cover, and any other measures deemed appropriate by the District. Said responsibility will end when completed work is approved by the Morris County Soil Conservation District.
- All trees outside the disturbance limit indicated on the subject plan or those trees within the disturbance area which are designated to remain after construction are to be protected with tree protection devices. See the Tree Protection detail.
- The Morris County Soil Conservation District may request additional measures to minimize on site or off site erosion problems during construction.
- The Morris County Soil Conservation District must be notified, in writing, at least 48 hours prior to any land disturbance, and a pre-construction meeting held.
- Contractor to set up a meeting with the inspector for periodic inspections of the Temporary Sediment Basin prior to and during its construction.
- Topsoil Stockpile Protection**
 - Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft.
 - Apply fertilizer (10-20-10) at a rate of 11 lbs. per 1000 sq. ft.
 - Apply Perennial Ryegrass seed at 1 lb. per 1000 sq. ft.
 - Mulch stockpile with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
 - Apply a liquid mulch binder or tack to straw or hay mulch.
 - Properly entrench a silt fence at the bottom of the stockpile.
- Temporary Stabilization Specifications**
 - Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft.
 - Apply fertilizer (10-20-10) at a rate of 11 lbs. per 1000 sq. ft.
 - Apply Perennial Ryegrass seed at 1 lb. per 1000 sq. ft.
 - Mulch disturbed soil with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
 - Apply a liquid mulch binder or tack to straw or hay mulch.
- Permanent Stabilization Specifications**
 - Apply topsoil to a depth of 5 inches (unsettled).
 - Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft. and work four inches into soil.
 - Apply fertilizer (10-20-10) at a rate of 11 lbs. per 1000 sq. ft.
 - Apply Hard Fescue seed at 2.7 lbs. per 1000 sq. ft. and Creeping Red Fescue seed at 0.7 lbs per 1000 sq. ft. and Perennial Ryegrass seed at 0.25 lbs per 1000 sq. ft.
 - Mulch stockpile with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
 - Apply a liquid mulch binder or tack to straw or hay mulch.

*NOTE: 48 HOURS PRIOR TO ANY SOIL DISTURBANCE, NOTICE IN WRITING, SHALL BE GIVEN TO THE MORRIS COUNTY SOIL CONSERVATION DISTRICT AND A PRE-CONSTRUCTION MEETING HELD.

January 2015

MULCH AND MULCH ANCHORING SPECIFICATIONS

(rev. 2017)

Stabilizing exposed soils with non-vegetative materials exposed for periods longer than 14 days.

Methods and Materials

1. Site Preparation

- Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading.

- Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization measures, sediment basins, and waterways. See Standards 11 through 42.

2. Protective Materials

- Unrotted small-grain straw, at 2.0 to 2.5 tons per acre, is spread uniformly at 90 to 115 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District. The approved rates above have been met when the mulch covers the ground completely upon visual inspection, i.e. the soil cannot be seen below the mulch.

- Synthetic or organic soil stabilizers may be used under suitable conditions and in quantities as recommended by the manufacturer.

- Wood-fiber or paper-fiber mulch at the rate of 1,500 pounds per acre (or according to the manufacturer's requirements) may be applied by a hydroseeder.

- Mulch netting, such as paper jute, excelsior, cotton, or plastic, may be used.

- Woodchips applied uniformly to a minimum depth of 2 inches may be used. Woodchips will not be used on areas where flowing water could wash them into an inlet and plug it.

SEEDING SCHEDULE – ZONE 6B

SITE AND SEEDBED PREPARATION: TO BE PERFORMED IN ACCORDANCE WITH CHAPTERS 4-1, 7-1 AND 8-1 OF THE JULY 2017 STANDARDS FOR SOIL EROSION & SEDIMENT CONTROL IN NEW JERSEY.

- TEMPORARY GRASS SEEDING SHALL CONSIST OF SPRING OATS APPLIED AT A RATE OF 2.0 LBS. PER 1,000 S.F. OPTIMUM SEEDING DATES ARE BETWEEN MARCH 1 AND MAY 15 OR AUGUST 15 AND OCTOBER 1.

AN ALTERNATIVE TEMPORARY GRASS SEEDING SHALL CONSIST OF WINTER CEREAL RYE APPLIED AT A RATE OF 2.8 LBS. PER 1,000 S.F. OPTIMUM SEEDING DATES ARE BETWEEN AUGUST 1 AND NOVEMBER 15.

TEMPORARY SEEDING SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH PERMANENT SEEDING. IF ANY SERIOUS EROSION PROBLEM OCCURS, THE ERODED AREAS SHALL BE REPAIRED AND STABILIZED WITH A MULCH AS INDICATED IN NOTE 6.

- PERMANENT SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE AS APPROVED BY THE FREEHOLD SOIL CONSERVATION DISTRICT:

USDA PLANT HARDINESS ZONE 6b, TABLE 4-3

MIX NUMBER 15

ACCEPTABLE SEEDING DATES ARE BETWEEN MARCH 1 AND APRIL 30

ACCEPTABLE SEEDING DATES ARE BETWEEN MAY 1 AND AUGUST 14 (IF

IRRIGATION PRESENT)

OPTIMUM SEEDING DATES ARE BETWEEN AUGUST 15 AND OCTOBER 15

MIX DETAILS

58% HARD FESCUE (135 LBS/ACRE)

19% CHEWINGS FESCUE (45 LBS/ACRE)

19% STRONG CREEPING RED FESCUE (45 LBS/ACRE)

4% PERENNIAL RYE GRASS (10 LBS/ACRE)

*APPLY AT A SEEDING RATE OF 230 LBS/ACRE OR 5.25 LBS/1000 S.F.

- PERMANENT SEEDING TO BE APPLIED BY HYDROSEEDING AT A RATE OF 160 LBS. PER ACRE, SLOPED AREAS TO BE COVERED WITH MULCH AS INDICATED IN NOTE 6.

- FERTILIZER – REFER TO SHEET 9B.

- IF THE TIME OF YEAR PREVENTS THE ESTABLISHMENT OF TEMPORARY OR PERMANENT SEEDING, EXPOSED AREA TO BE STABILIZED WITH MULCH AS INDICATED IN NOTE 6.

- MULCH TO CONSIST OF SMALL GRAIN STRAW OR SALT HAY ANCHORED WITH A WOOD AND FIBER MULCH BINDER OR AN APPROVED EQUAL.

- ALL SEEDED AREAS SHALL BE MULCHED IN ACCORDANCE WITH THE MULCH AND MULCH ANCHORING SPECIFICATIONS ON THIS SHEET.

- REMOVE FROM THE SURFACE ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION; REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMPS OR OTHER UNSUITABLE MATERIAL.

- INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS ABOVE.

Standards for Soil Erosion and Sediment Control in New Jersey

July 2017

STANDARD FOR TOPSOILING

Definition

Topsoiling entails the distribution of suitable quality soil on areas to be vegetated.

Purpose

To improve the soil medium for plant establishment and maintenance.

Water Quality Enhancement

Growth and establishment of a vigorous vegetative cover is facilitated by topsoil, preventing soil loss by wind and rain offsite and into streams and other stormwater conveyances.

Where Applicable

Topsoil shall be used where soils are to be disturbed and will be revegetated.

Methods and Materials

1. Materials

- Topsoil should be friable¹, loamy², free of debris, objectionable weeds and stones, and contain no toxic substance or adverse chemical or physical condition that may be harmful to plant growth. Soluble salts should not be excessive (conductivity less than 0.5 millimhos per centimeter. More than 0.5 millimhos may desiccate seedlings and adversely impact growth). Imported topsoil shall have a minimum organic matter content of 2.75 percent. Organic matter content may be raised by additives.

- Topsoil substitute is a soil material which may have been amended with sand, silt, clay, organic matter, fertilizer or lime and has the appearance of topsoil. Topsoil substitutes may be utilized on sites with insufficient topsoil for establishing permanent vegetation. All topsoil substitute materials shall meet the requirements of topsoil noted above. Soil tests shall be performed to determine the components of sand, silt, clay, organic matter, soluble salts and pH level.

2. Stripping and Stockpiling

- Field exploration should be made to determine whether quantity and/or quality of surface soil justifies stripping.
- Stripping shall be confined to the immediate construction area.
- Where feasible, lime may be applied before stripping at a rate determined by soil tests to bring the soil pH to approximately 6.5.

¹Friable means easily crumbles in the fingers, as defined in most soil tests.

²Loamy means texture groups consisting of coarse loamy sands, sandy loam, fine and very fine sandy loam, loam, silt loam, clay loam, sandy clay loam and silty clay loam textures and having less than 3% coarse fragments (particles less than 2mm in size) as defined in the Glossary of Soil Science Terms, 1996, Soil Science Society of America.

8-1

Return to TOC

Standards for Soil Erosion and Sediment Control in New Jersey

July 1999

- A 4-6 inch stripping depth is common, but may vary depending on the particular soil.

- Stockpiles of topsoil should be situated so as not to obstruct natural drainage or cause off-site environmental damage.

- Stockpiles should be vegetated in accordance with standards previously described herein; see standards for Permanent (pg. 4-1) or Temporary (pg.7-1) Vegetative Cover for Soil Stabilization. Weeds should not be allowed to grow on stockpiles.

3. Site Preparation

- Grade at the onset of the optimal seeding period so as to minimize the duration and area of exposure of disturbed soil to erosion. Immediately proceed to establish vegetative cover in accordance with the specified seed mixture. Time is of the essence.

- Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application and anchoring, and maintenance. See the Standard for Land Grading, pg. 19-1.

- As guidance for ideal conditions, subsoil should be tested for lime requirement. Limestone, if needed, should be applied to bring soil to a pH of approximately 6.5 and incorporated into the soil as nearly as practical to a depth of 4 inches.

- Prior to topsoiling, the subsoil shall be in compliance with the Standard for Land Grading, pg. 19-1.

- Employ needed erosion control practices such as diversions, grade stabilization structures, channel stabilization measures, sedimentation basins, and waterways. See Standards 11 through 42.

4. Applying Topsoil

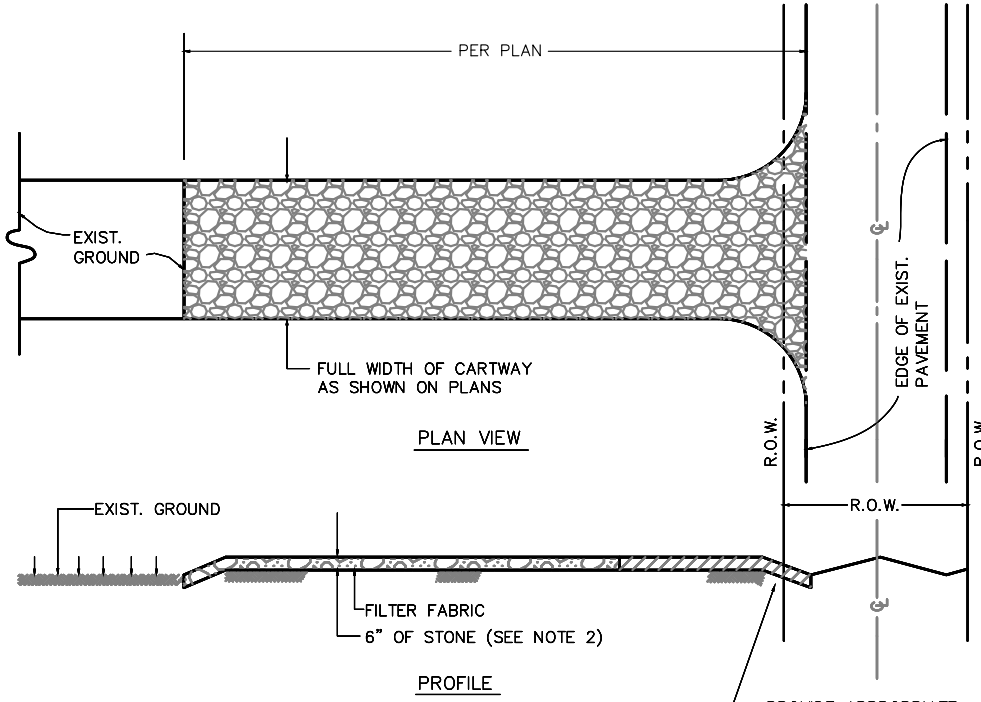
- Topsoil should be handled only when it is dry enough to work without damaging soil structure; i.e., less than field capacity (see glossary).

- A uniform application to an average depth of 5.0 inches, minimum of 4 inches, firmed in place is required. Alternative depths may be considered where special regulatory and/or industry design standards are appropriate such as on golf courses, sports fields, landfill capping, etc. Soils with a pH of 4.0 or less or containing iron sulfide shall be covered with a minimum depth of 12 inches of soil having a pH of 5.0 or more, in accordance with the Standard for Management of High Acid Producing Soil (pg. 1-1).

- Pursuant to the requirements in Section 7 of the Standard for Permanent Vegetative Stabilization, the contractor is responsible to ensure that permanent vegetative cover becomes established on at least 80% of the soils to be stabilized with vegetation. Failure to achieve the minimum coverage may require additional work to be performed by the contractor to include some or all of the following: supplemental seeding, re-application of lime and fertilizers, and/or the addition of organic matter (i.e. compost) as a top dressing. Such additional measures shall be based on soil tests such as those offered by Rutgers Cooperative Extension Service or other approved laboratory facilities qualified to test soil samples for agronomic properties.

8-2

Return to TOC



NOTES:

- PLACE STABILIZED CONSTRUCTION ENTRANCE AT LOCATION(S) AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
- STONE SIZE SHALL BE ASTM C-33, SIZE NO.2 OR 3, CRUSHED STONE.
- THE THICKNESS OF THE STAB. CONST. ENT. SHALL NOT BE LESS THAN 6\"/>

Table 29-1: Lengths of Construction Exits on Sloping Roadbeds

Percent Slope of Roadway	Length of Stone Required	
	Coarse Grained Soils	Fine Grained Soils
0 to 2%	50 ft	100 ft
2 to 5%	100 ft	200 ft
>5%	Entire surface stabilized with FABC base course ¹	

1. As prescribed by local ordinance or other governing authority.

STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

CONSTRUCTION SCHEDULE AND PROCEDURE FOR
IMPLEMENTATION OF SOIL EROSION AND
SEDIMENT CONTROL MEASURES

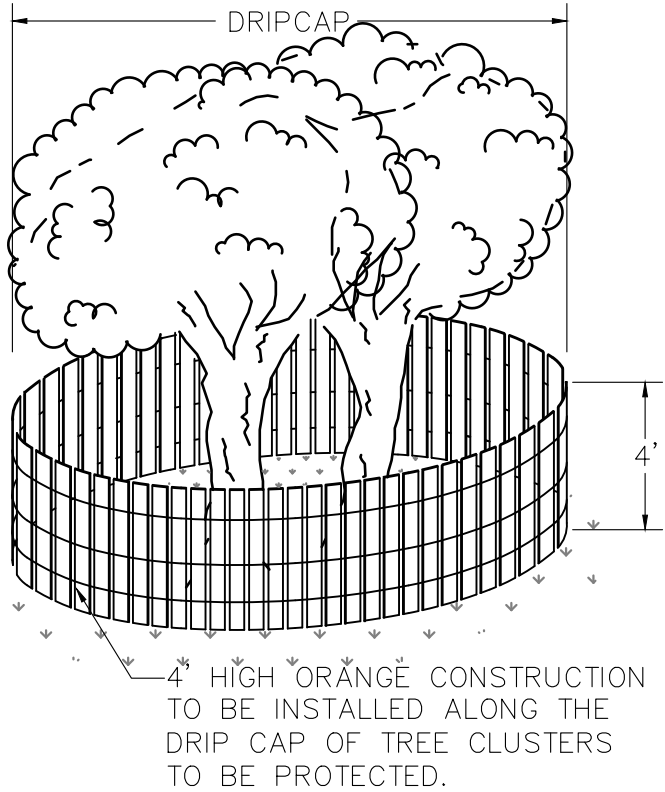
- | | |
|--|------------|
| 1. INSTALL SILT FENCE, TREE PROTECTION, AND CONSTRUCTION ENTRANCE. | 2 DAYS |
| 2. DEMOLISH EXISTING IMPROVEMENTS, CLEAR SITE. | 1 MONTH |
| 3. STRIP AND STORE TOPSOIL IN STOCKPILE AND STABILIZE STOCKPILE. | 1 DAY |
| 4. CLEAR AND ESTABLISH ROUGH GRADES AS NECESSARY TO CONSTRUCT BUILDING ADDITION. | 2-3 DAYS |
| 5. CONSTRUCT DRAINAGE. | 1-2 DAYS |
| 6. CONSTRUCT UTILITIES AND CURBS. | 1-2 WEEKS |
| 7. CONSTRUCT BUILDING FOUNDATION, BUILDING. | 4-6 MONTHS |
| 8. INSTALL SITE LIGHTING, WALKWAYS. | 2 WEEKS |
| 9. PAVE PARKING AREAS. | 1-2 DAYS |
| 10. INSTALL LANDSCAPING. | 2-3 DAYS |
| 11. CONSTRUCT FINE GRADING TO FINISHED GRADES AND ESTABLISH PERMANENT VEGETATIVE COVER ON LOT. | 1-2 DAYS |
| 12. REMOVE SILT FENCE AFTER ALL DISTURBED AREAS HAVE BEEN ADEQUATELY STABILIZED. | 1 DAY |

DUST CONTROL NOTES

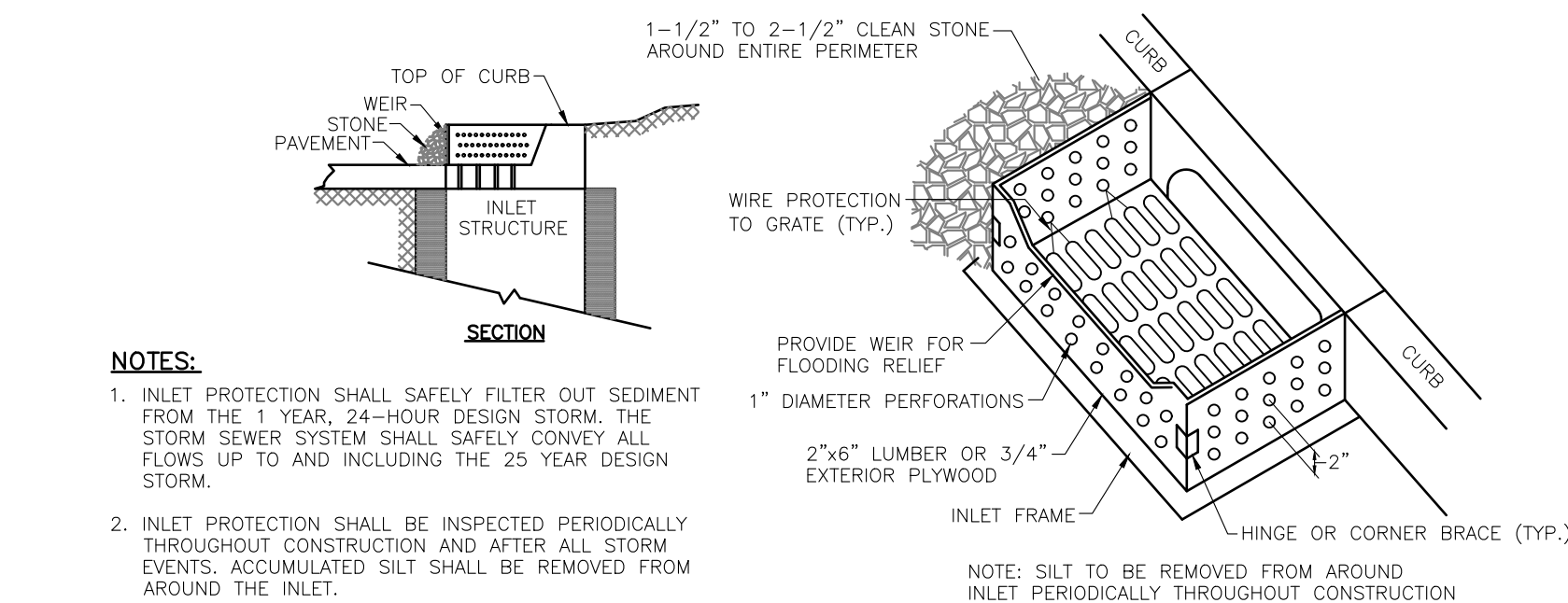
TO PREVENT BLOWING AND THE MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, CONSTRUCTION ACTIVITIES, AND TO REDUCE ON-SITE AND OFF-SITE DAMAGE AND HEALTH HAZARDS, DUST CONTROL MEASURES SHALL BE ENACTED ON THE PROJECT SITE.

DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE REMEDIATION TO CONTROL PARTICLES AND DUST THAT WILL ENTER INTO THE AIR DURING THE REMOVAL OFF THE ON-SITE STRUCTURES. THESE PROCEDURES MAY INVOLVE COATING THE DEBRIS WITH WATER OR ANOTHER SPRAY-ON ADHESIVE.

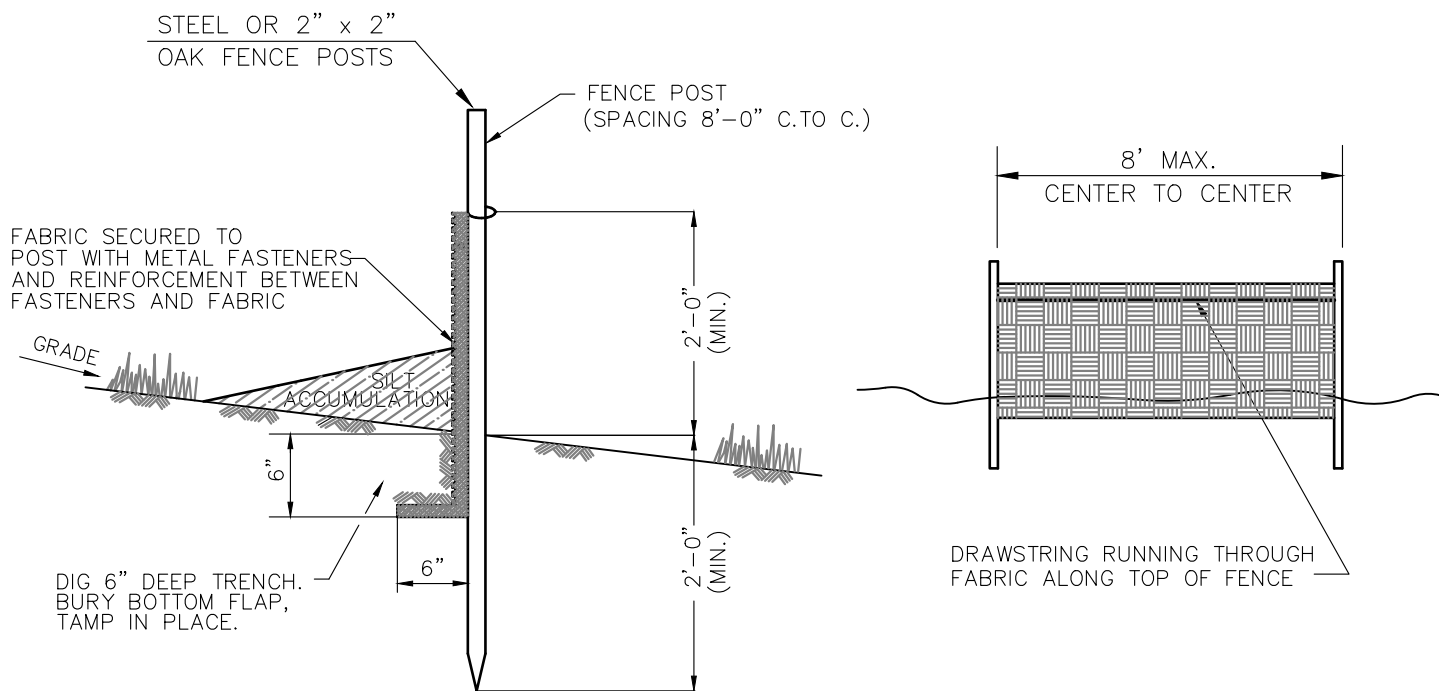
NOTE: IN THAT N.J.S.A. 4:24-39 et seq. REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES, ALL SITE WORK WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY



TREE PROTECTION DETAIL
N.T.S.



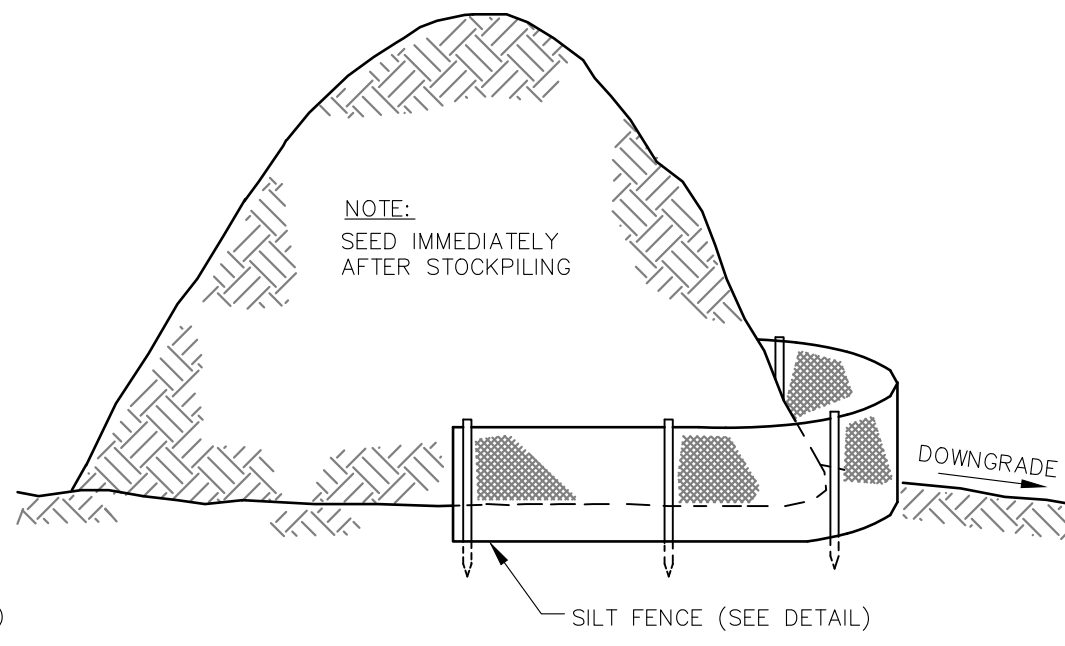
INLET PROTECTION DETAIL
N.T.S.



SILT FENCE DETAIL
N.T.S.

Fence posts shall be spaced 8 feet center-to-center or closer. They shall extend at least 2 feet into the ground and extend at least 2 feet above ground (Manual Fig. 23-2). Posts shall be constructed of hardwood with a minimum diameter thickness of 1 1/2 inches.

A geotextile fabric, recommended for such use by the manufacturer, shall be buried at least 6 inches deep in the ground. The fabric shall extend at least 2 feet above the ground. The fabric must be securely fastened to the posts using a system consisting of metal fasteners (nails or staples) and a high strength reinforcement material (nylon webbing, grommets, washers etc.) placed between the fastener and the geotextile fabric. The fastening system shall resist tearing away from the post. The fabric shall incorporate a drawstring in the top portion of the fence for added strength.



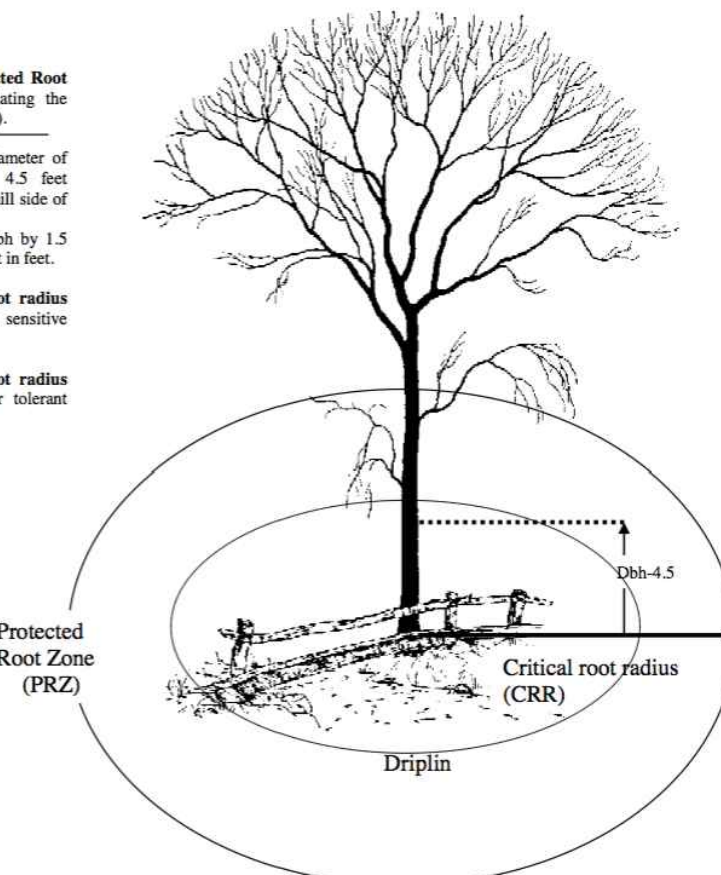
DETAIL
TYPICAL TOPSOIL STOCKPILE
N.T.S.

Estimate a tree's Protected Root Zone (PRZ) by calculating the Critical Root Radius (CRR).

- Measure the dbh (diameter of tree at breast height, 4.5 feet above ground on the uphill side of tree) in inches.
- Multiply measured dbh by 1.5 or 1.0. Express the result in feet.


Dbh x 1.5: Critical root radius for older, unhealthy, or sensitive species.

Dbh x 1.0: Critical root radius for younger, healthy or tolerant species.



ROOT PROTECTION DURING CONSTRUCTION GUIDE
N.T.S.

1. Protecting Trees from Construction Damage: A Homeowners Guide, Gary R. Johnson, University Of Minnesota Extension Service, Saint Paul, MN, 1999.

NO.	DATE	DESCRIPTION
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS BLDG# 6800, LOT 5 TAX MAP SHEET NO. 6B		
TOWNSHIP OF MOUNT OLIVE		MORRIS COUNTY, NEW JERSEY
 EAST POINT ENGINEERING, LLC		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800		DATE: 12-02-22 SCALE: N/A CHECKED BY: BNP
MARIO S. LEBERMAN, P.E. N.J. PROFESSIONAL ENGINEER, LICENSE NO. 246084458400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 33103596800		PROJECT NUMBER: 22-166 SHEET NO. 8 OF 16

STANDARDS FOR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION
(rev. 2017)

Standards for Soil Erosion and Sediment Control in New Jersey

January 2014

TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION

Definition

Establishment of temporary vegetative cover on soils exposed for periods of two to 6 months which are not being graded, not under active construction or not scheduled for permanent seeding within 60 days.

Purpose

To temporarily stabilize the soil and reduce damage from wind and water erosion until permanent stabilization is accomplished.

Water Quality Enhancement

Provides temporary protection against the impacts of wind and rain, slows the over land movement of stormwater runoff, increases infiltration and retains soil and nutrients on site, protecting streams or other stormwater conveyances.

Where Applicable

On exposed soils that have the potential for causing off-site environmental damage.

Methods and Materials

- Site Preparation
 - Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading, pg. 19-1.
 - Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization measures, sediment basins, and waterways. See Standards 11 through 42.
 - Immediately prior to seeding, the surface should be scarified 6" to 12" where there has been soil compaction. **This practice is permissible only where there is no danger to underground utilities (cables, irrigation systems, etc.)**
- Seedbed Preparation
 - Apply ground limestone and fertilizer according to soil test recommendations such as offered by Rutgers Co-operative Extension. Soil sample mailers are available from the local Rutgers Cooperative Extension offices. Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-20-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise.
 - Work lime and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disc, springtooth harrow, or other suitable equipment. The final harrowing or disking operation should

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Return to TOC

Standards for Soil Erosion and Sediment Control in New Jersey

January 2014

be on the general contour. Continue tillage until a reasonable uniform seedbed is prepared.

- Inspect seedbed just before seeding. If traffic has left the soil compacted, the area must be retitled in accordance with the above.
 - Soils high in sulfides or having a pH of 4 or less refer to Standard for Management of High Acid Producing Soils, pg. 1-1.
- Seeding
 - Select seed from recommendations in Table 7-2.

TABLE 7-2

TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTH

SEED SELECTIONS	SEEDING RATE ₁ (pounds)		OPTIMUM SEEDING DATE ₂ Based on Plant Hardiness Zone ³			OPTIMUM SEED DEPTH ⁴ (inches)
	Per Acre	Per 1000 Sq. Ft.	ZONE 5b, 6s	ZONE 6b	ZONE 7a, b	
COOL SEASON GRASSES						
1. Perennial ryegrass	100	1.0	3/15- 6/1	3/1- 5/15	2/15- 5/1	0.5
2. Spring oats	86	2.0	3/15- 6/1	3/1- 5/15	2/15- 5/1	1.0
3. Winter Barley	96	2.2	8/1- 9/15	8/15- 10/1	8/15- 10/15	1.0
4. Annual ryegrass	100	1.0	3/15- 6/1	3/15- 8/1- 9/15	2/15- 5/1- 8/15	0.5
5. Winter Cereal Rye	112	2.8	8/1- 11/1	8/1- 11/15	8/1- 12/15	1.0
WARM SEASON GRASSES						
6. Pearl millet	20	0.5	6/1-8/1	5/15- 8/15	5/1-9/1	1.0

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Standards for Soil Erosion and Sediment Control in New Jersey

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7. Millet (German or Hungarian)	30	0.7	6/1-8/1	5/15- 8/15	5/1-9/1	1.0
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- Seeding rate for warm season grass, selections 5 - 7 shall be adjusted to reflect the amount of Pure Live Seed (PLS) as determined by a germination test result. No adjustment is required for cool season grasses.
 - May be planted throughout summer if soil moisture is adequate or seeded area can be irrigated.
 - Plant Hardiness Zone (see figure 7-1, pg. 7-4.)
 - Twice the depth for sandy soils
- Conventional Seeding. Apply seed uniformly by hand, cyclone (centrifugal) seeder, drop seeder, drill or cultipacker seeder. Except for drilled, hydroseeded or cultipacked seedings, seed shall be incorporated into the soil, to a depth of 1/4 to 1/2 inch, by raking or dragging. Depth of seed placement may be 1/4 inch deeper on coarse textured soil.
 - Hydroseeding is a broadcast seeding method usually involving a truck or trailer mounted tank, with an agitation system and hydraulic pump for mixing seed, water and fertilizer and spraying the mix onto the prepared seedbed. Mulch shall not be included in the tank with seed. Short fibered mulch may be applied with a hydroseeder following seeding (also see Section IV Mulching) Hydroseeding is not a preferred seeding method because seed and fertilizer are applied to the surface and not incorporated into the soil. Poor seed to soil contact occurs reducing seed germination and growth. Hydroseeding may be used for areas too steep for conventional equipment to traverse or too obstructed with rocks, stumps, etc.
 - After seeding, firming the soil with a corrugated roller will assure good seed-to-soil contact, restore capillarity, and improve seedling emergence. This is the preferred method. When performed on the contour, sheet erosion will be minimized and water conservation on site will be maximized.

4. Mulching

Mulching is required on all seeding. Mulch will insure against erosion before grass is established and will promote faster and earlier establishment. The existence of vegetation sufficient to control soil erosion shall be deemed compliance with this mulching requirement.

- Straw or Hay. Unrotted small grain straw, hay free of seeds, applied at the rate of 1-1/2 to 2 tons per acre (70 to 90 pounds per 1,000 square feet), except that where a crimper is used instead of a liquid mulch-binder (ackifying or adhesive agent), the rate of application is 3 tons per acre. Hay mulch is not recommended for establishing fine turf or lawns due to the presence of weed seed.

Application. Spread mulch uniformly by hand or mechanically so that approximately 95% of the soil surface will be covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 square feet sections and distribute 70 to 90 pounds within each section.

Anchoring shall be accomplished immediately after placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area, steepness of slopes, and costs.

- Peg and Twine. Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and a square pattern. Secure twine around each peg with two or more round turns.
- Mulch Nettings. Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.

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- Crimper (mulch anchoring tool). A tractor-drawn implement, somewhat like a disc harrow, especially designed to push or cut some of the broadcast long fiber mulch 3 to 4 inches into the soil so as to anchor it and leave part standing upright. This technique is limited to areas traversable by a tractor, which must operate on the contour of slopes. Straw mulch rate must be 3 tons per acre. No tackifying or adhesive agent is required.
 - Liquid Mulch-Binders. - May be used to anchor hay or straw mulch.
 - Applications should be heavier at edges where wind may catch the mulch, in valleys, and at crests of banks. The remainder of the area should be uniform in appearance.
 - Use one of the following:
 - Organic and Vegetable Based Binders - Naturally occurring, powder based, hydrophilic materials when mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membraned networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect or impede growth of turfgrasses. Use at rates and weather conditions as recommended by the manufacturer to anchor mulch materials. Many new products are available, some of which may need further evaluation for use in this state.
 - Synthetic Binders - High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.
- Note: All names give above are registered trade names. This does not constitute a commendation of these products to the exclusion of other products.

- Wood-fiber or paper-fiber mulch. Shall be made from wood, plant fibers or paper containing no growth or germination inhibiting materials, used at the rate of 1,500 pounds per acre (or as recommended by the project manufacturer) and may be applied by a hydroseeder. This mulch shall not be mixed in the tank with seed. Use is limited to flatter slopes and during optimum seeding periods in spring and fall.
- Pelletized mulch. Compressed and extruded paper and/or wood fiber product, which may contain co-polymers, tackifiers, fertilizers and coloring agents. The dry pellets, when applied to a seeded area and watered, forms mulch mat. Pelletized mulch shall be applies in accordance with the manufacturers recommendations. Mulch may be applied by hand or mechanical spreader at the rate of 60-75 lbs./1,000 square feet and activated with 0.2 to 0.4 inches of water. This material has been found to be beneficial for use on small lawn or renovation areas, seeded areas where weed-seed free mulch is desired or on sites where straw mulch and tackifier agent are not practical or desirable.

Applying the full 0.2 to 0.4 inches of water after spreading pelletized mulch on the seed bed is extremely important for sufficient activation and expansion of the mulch to provide soil coverage.

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STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION
(rev. 2017)

Standards for Soil Erosion and Sediment Control in New Jersey

January 2014

PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

Definition

Establishment of permanent vegetative cover on exposed soils where perennial vegetation is needed for long-term protection.

Purpose

To permanently stabilize the soil, ensuring conservation of soil and water, and to enhance the environment.

Water Quality Enhancement

Slows the over-land movement of stormwater runoff; increases infiltration and retains soil and nutrients on site, protecting streams or other stormwater conveyances.

Where Applicable

On exposed soils that have a potential for causing off-site environmental damage.

Methods and Materials

- Site Preparation
 - Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standard for Land Grading.
 - Immediately prior to seeding and topsoil application, the subsoil shall be evaluated for compaction in accordance with the Standard for Land Grading.
 - Topsoil should be handled only when it is dry enough to work without damaging the soil structure. A uniform application to a depth of 5 inches (unsettled) is required on all sites. Topsoil shall be amended with organic matter, as needed, in accordance with the Standard for Topsoiling.
 - Install needed erosion control practices or facilities such as diversions, grade-stabilization structures, channel stabilization measures, sediment basins, and waterways.
- Seedbed Preparation
 - Uniformly apply ground limestone and fertilizer to topsoil which has been spread and firmed, according to soil test recommendations such as offered by Rutgers Co-operative Extension Soil sample mailers are available from the local Rutgers Cooperative Extension offices (http://njaes.rutgers.edu/county/). Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet of 10-10-10 or equivalent with 50% water insoluble nitrogen unless a soil test indicates otherwise and incorporated into the surface 4 inches. If fertilizer is not incorporated, apply one-half the rate described above during seedbed preparation and repeat another one-half rate application of the same fertilizer within 3 to 5 weeks after seeding.
- Work lime and fertilizer into the topsoil as nearly as practical to a depth of 4 inches with

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Standards for Soil Erosion and Sediment Control in New Jersey

January 2014

a disc, spring-tooth harrow, or other suitable equipment. The final harrowing or disking operation should be on the general contour. Continue tillage until a reasonable uniform seedbed is prepared.

- High acid producing soil. Soils having a pH of 4 or less or containing iron sulfide shall be covered with a minimum of 12 inches of soil having a pH of 5 or more before initiating seedbed preparation. See Standard for Management of High Acid-Producing Soils for specific requirements.

3. Seeding

- Select a mixture from Table 4-3 or use a mixture recommended by Rutgers Cooperative Extension or Natural Resources Conservation Service which is approved by the Soil Conservation District. Seed germination shall have been tested within 12 months of the planting date. No seed shall be accepted with a germination test date more than 12 months old unless retested.
 - Seeding rates specified are required when a report of compliance is requested prior to actual establishment of permanent vegetation. Up to 50% reduction in rates may be used when permanent vegetation is established prior to a report of compliance inspection. These rates apply to all methods of seeding. Establishing permanent vegetation means 80% vegetative coverage with the specified seed mixture for the seeded area and mowed once.
 - Warm-season mixtures are grasses and legumes which maximize growth at high temperatures, generally 85°F and above. See Table 4-3 mixtures 1 to 7. Planting rates for warm-season grasses shall be the amount of Pure Live Seed (PLS) as determined by germination testing results.
 - Cool-season mixtures are grasses and legumes which maximize growth at temperatures below 85°F. Many grasses become active at 65°F. See Table 4-3, mixtures 8-20. Adjustment of planting rates to compensate for the amount of PLS is not required for cool season grasses.
 - Conventional Seeding** is performed by applying seed uniformly by hand, cyclone (centrifugal) seeder, drop seeder, drill or cultipacker seeder. Except for drilled, hydroseeded or cultipacked seedings, seed shall be incorporated into the soil within 24 hours of seedbed preparation to a depth of 1/4 to 1/2 inch, by raking or dragging. Depth of seed placement may be 1/4 inch deeper on coarse-textured soil.
 - After seeding, firming the soil with a corrugated roller will assure good seed-to-soil contact, restore capillarity, and improve seedling emergence. This is the preferred method. When performed on the contour, sheet erosion will be minimized and water conservation on site will be maximized.
 - Hydroseeding** is a broadcast seeding method usually involving a truck, or trailer-mounted tank, with an agitation system and hydraulic pump for mixing seed, water and fertilizer and spraying the mix onto the prepared seedbed. **Mulch shall not be included in the tank with seed.** Short-fibered mulch may be applied with a hydroseeder following seeding (also see Section 4-Mulching below). Hydroseeding is not a preferred seeding method because seed and fertilizer are applied to the surface and not incorporated into the soil. When poor seed to soil contact occurs, there is a reduced seed germination and growth.
- Mulching

Mulching is required on all seeding. Mulch will protect against erosion before grass is established and will promote faster and earlier establishment. The existence of vegetation sufficient to control soil erosion shall

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Standards for Soil Erosion and Sediment Control in New Jersey

January 2014

be deemed compliance with this mulching requirement.

- Straw or Hay. Unrotted small grain straw, hay free of seeds, to be applied at the rate of 1-1/2 to 2 tons per acre (70 to 90 pounds per 1,000 square feet), except that where a crimper is used instead of a liquid mulch-binder (ackifying or adhesive agent), the rate of application is 3 tons per acre. Mulch chopper-blowers must egg grind the mulch. Hay mulch is not recommended for establishing fine turf or lawns due to the presence of weed seed.
 - Application. Spread mulch uniformly by hand or mechanically so that at least 85% of the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000 square feet sections and distribute 70 to 90 pounds within each section.
 - Anchoring shall be accomplished immediately after placement to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area, steepness of slopes, and costs.
 - Peg and Twine. Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a criss-cross and a square pattern. Secure twine around each peg with two or more round turns.
 - Mulch Nettings. Staple paper, jute, cotton, or plastic nettings to the soil surface. Use a degradable netting in areas to be mowed.
 - Crimper (mulch anchoring coultter tool) - A tractor-drawn implement, somewhat like a disc harrow, especially designed to push or cut some of the broadcast long fiber mulch 3 to 4 inches into the soil so as to anchor it and leave part standing upright. This technique is limited to areas traversable by a tractor, which must operate on the contour of slopes. Straw mulch rate must be 3 tons per acre. No tackifying or adhesive agent is required.
 - Liquid Mulch-Binders - May be used to anchor salt hay, hay or straw mulch.
 - Applications should be heavier at edges where wind may catch the mulch, in valleys, and at crests of banks. The remainder of the area should be uniform in appearance.
 - Use one of the following:
 - Organic and Vegetable Based Binders - Naturally occurring, powder-based, hydrophilic materials when mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membraned networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phytotoxic effect or impede growth of turf grass. Use at rates and weather conditions as recommended by the manufacturer to anchor mulch materials. Many new products are available, some of which may need further evaluation for use in this state.
 - Synthetic Binders - High polymer synthetic emulsion, miscible with water when diluted and, following application of mulch, drying and curing, shall no longer be soluble or dispersible in water. Binder shall be applied at rates recommended by the manufacturer and remain tacky until germination of grass.
- Note: All names given above are registered trade names. This does not constitute a recommendation of these products to the exclusion of other products.

- Wood-fiber or paper-fiber mulch - shall be made from wood, plant fibers or paper containing no

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- growth or germination inhibiting materials, used at the rate of 1,500 pounds per acre (or as recommended by the product manufacturer) and may be applied by a hydroseeder. **Mulch shall not be mixed in the tank with seed.** Use is limited to flatter slopes and during optimum seeding periods in spring and fall.
- Pelletized mulch - compressed and extruded paper and/or wood fiber product, which may contain co-polymers, tackifiers, fertilizers, and coloring agents. The dry pellets, when applied to a seeded area and watered, form a mulch mat. Pelletized mulch shall be applied in accordance with the manufacturer's recommendations. Mulch may be applied by hand or mechanical spreader at the rate of 60-75 lbs./1,000 square feet and activated with 0.2 to 0.4 inches of water. This material has been found to be beneficial for use on small lawn or renovation areas, seeded areas where weed-seed free mulch is desired, or on sites where straw mulch and tackifier agent are not practical or desirable. Applying the full 0.2 to 0.4 inches of water after spreading pelletized mulch on the seed bed is extremely important for sufficient activation and expansion of the mulch to provide soil coverage.

Irrigation (where feasible)


If soil moisture is deficient supply new seeding with adequate water (a minimum of 1/4 inch applied up to twice a day until vegetation is well established). This is especially true when seedlings are made in abnormally dry or hot weather or on droughty sites.

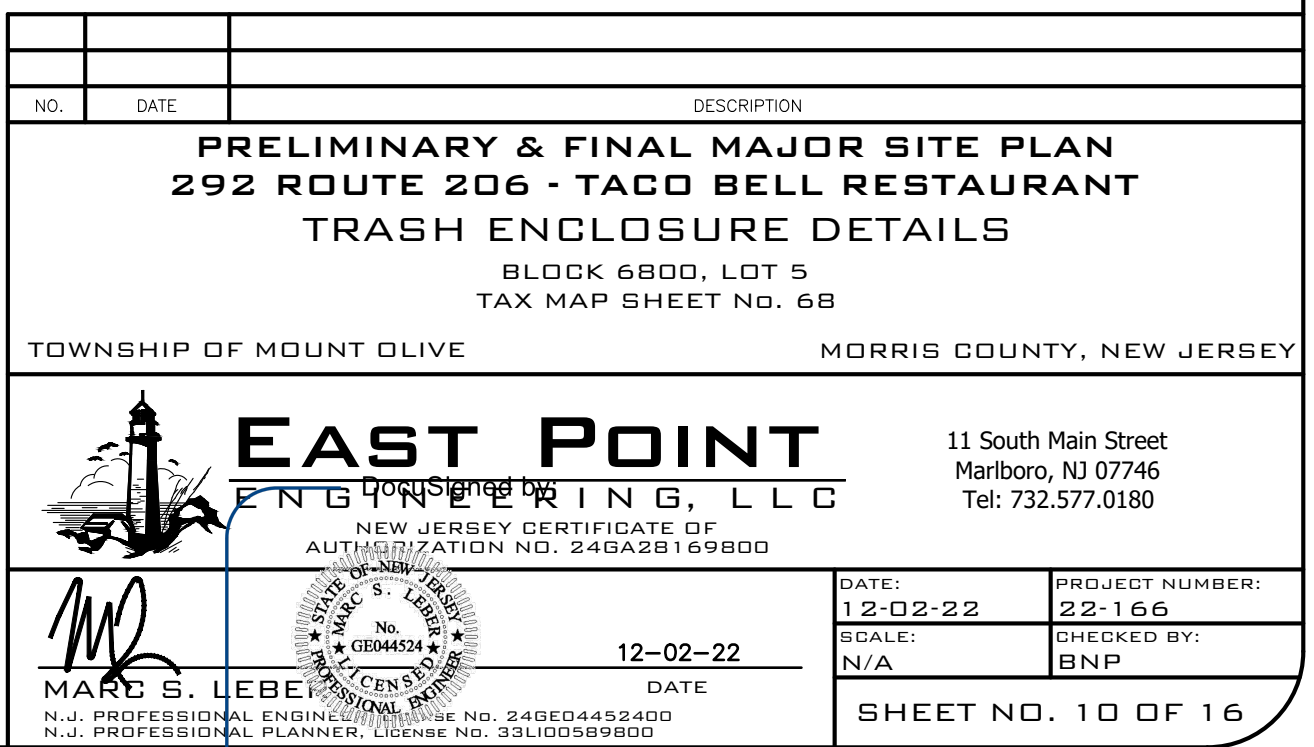
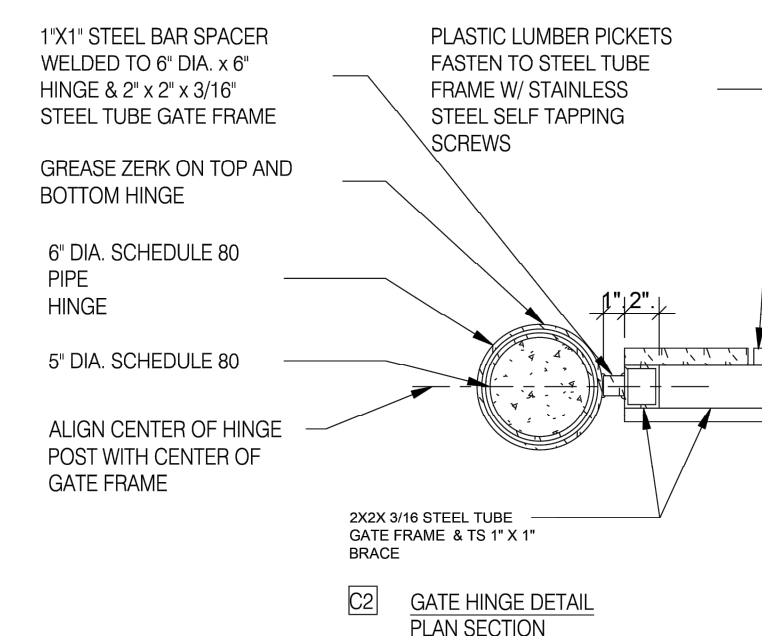
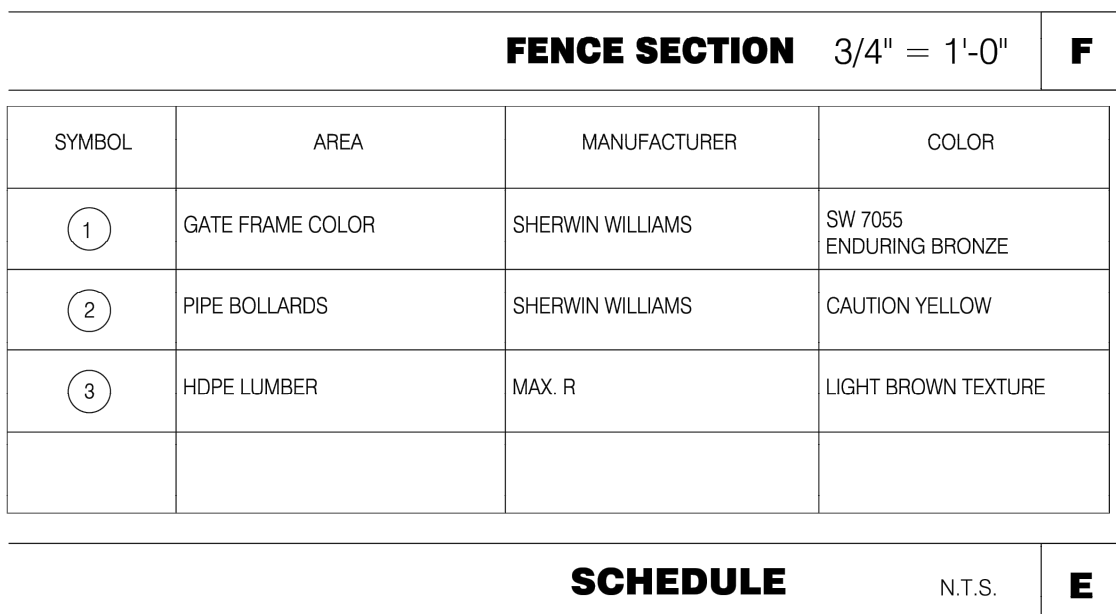
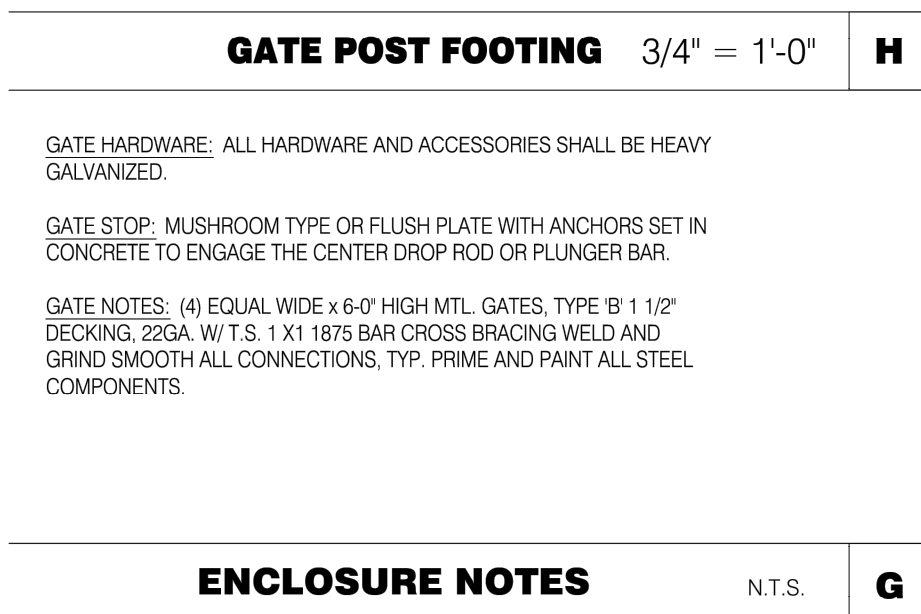
6. Topdressing

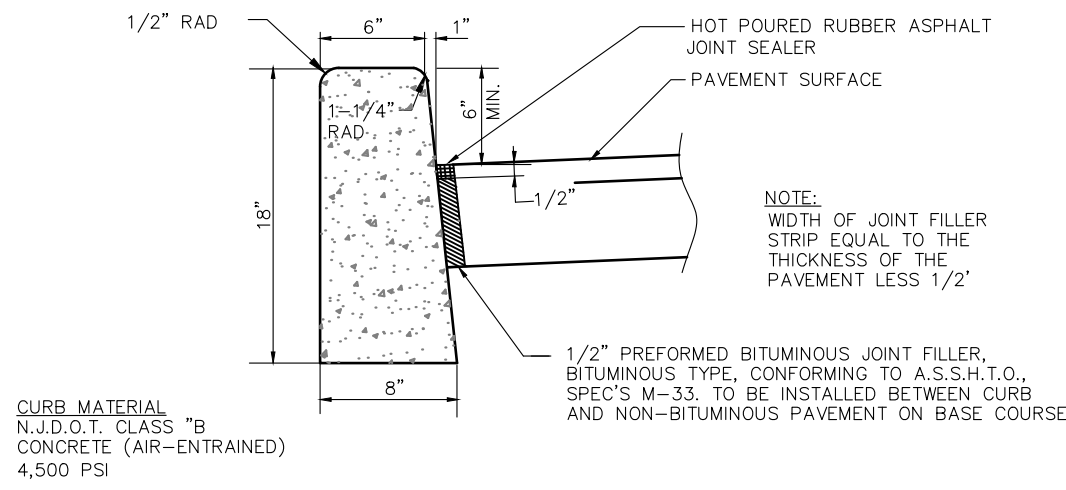
Since soil organic matter content and slow release nitrogen fertilizer (water insoluble) are prescribed in Section 2A - Seedbed Preparation in this Standard, no follow-up of topdressing is mandatory. An exception may be made where gross nitrogen deficiency exists in the soil to the extent that turf failure may develop. In that instance, topdress with 10-10-10 or equivalent at 500 pounds per acre or 7 pounds per 1,000 square feet every 3 to 5 weeks until the gross nitrogen deficiency in the turf is ameliorated.

7. Establishing Permanent Vegetative Stabilization

The quality of permanent vegetation rests with the contractor. The timing of seeding, preparing the seedbed, applying nutrients, mulch and other management are essential. The seed application rates in Table 4-3 are required when a Report of Compliance is requested prior to actual establishment of permanent vegetation. Up to 50% reduction in application rates may be used when permanent vegetation is established prior to requesting a Report of Compliance from the district. These rates apply to all methods of seeding. **Establishing permanent vegetation means 80% vegetative cover (of the seeded species) and mowed once.** Note this designation of mowed once does not guarantee the permanency of the turf should other maintenance factors be neglected or otherwise mismanaged.

NO.	DATE	DESCRIPTION
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68		
TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY		
 EAST POINT ENGINEERING, LLC NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169B00		
11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180		
DATE: 12-02-22	PROJECT NUMBER: 22-1-6-6	
SCALE: N/A	CHECKED BY: BNP	
DATE 12-02-22		
SHEET NO. 9 OF 16		

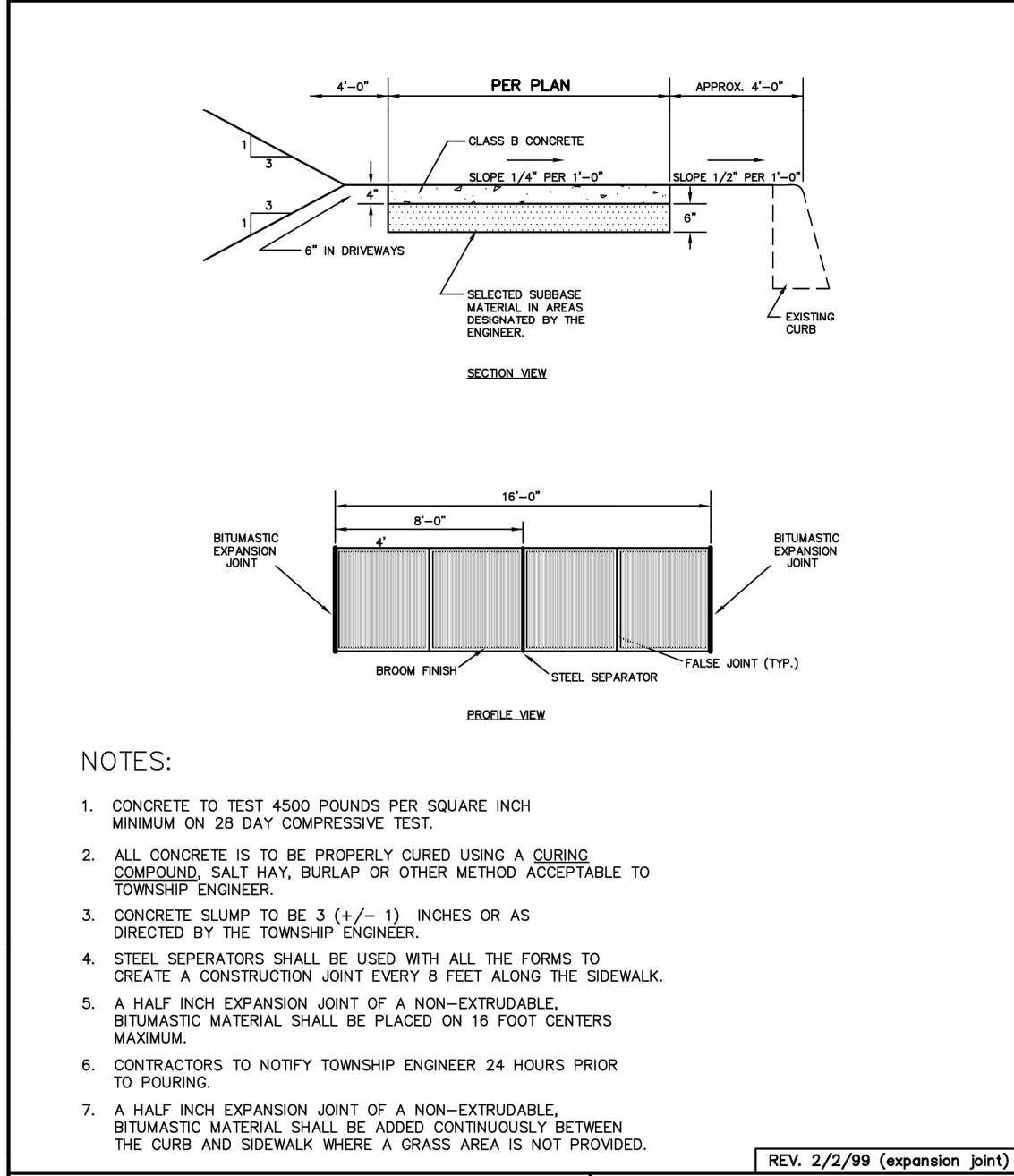




TRANSVERSE JOINTS 1/2" WIDE SHALL BE INSTALLED IN THE CURB 20'-0" APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGATED FIBER JOINT FILLER COMPLYING WITH THE REQUIREMENTS OF A.S.T.M. SPEC. M-213, RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.

CONCRETE VERTICAL CURB

N.T.S.



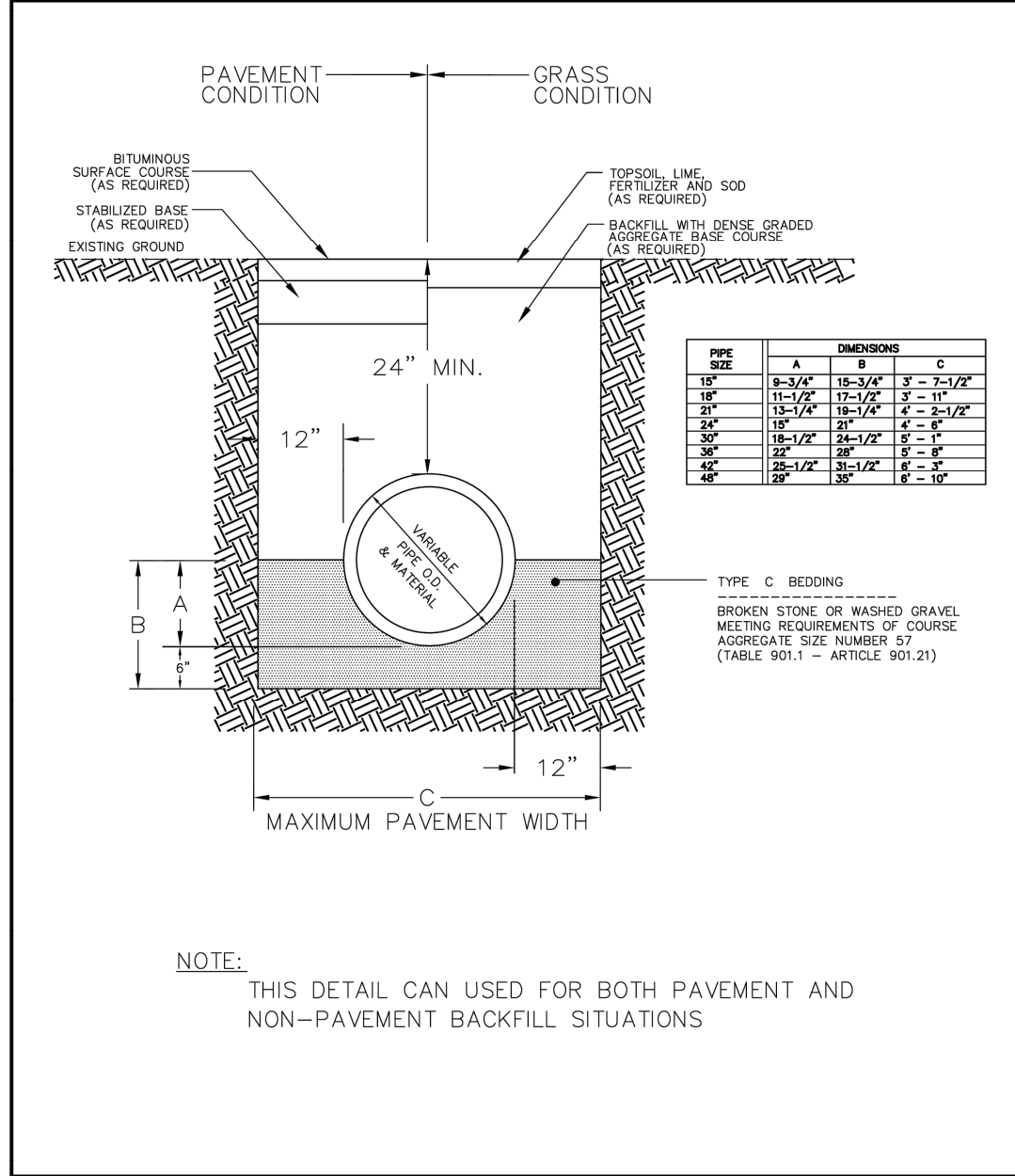
NOTES:

1. CONCRETE TO TEST 4500 POUNDS PER SQUARE INCH MINIMUM ON 28 DAY COMPRESSIVE TEST.
2. ALL CONCRETE IS TO BE PROPERLY CURED USING A CURING COMPOUND, SALT HAY, BURLAP OR OTHER METHOD ACCEPTABLE TO TOWNSHIP ENGINEER.
3. CONCRETE SLUMP TO BE 3 (+/- 1) INCHES OR AS DIRECTED BY THE TOWNSHIP ENGINEER.
4. STEEL SEPARATORS SHALL BE USED WITH ALL THE FORMS TO CREATE A CONSTRUCTION JOINT EVERY 8 FEET ALONG THE SIDEWALK.
5. A HALF INCH EXPANSION JOINT OF A NON-EXTRUDABLE BITUMASTIC MATERIAL SHALL BE PLACED ON 16 FOOT CENTERS MAXIMUM.
6. CONTRACTORS TO NOTIFY TOWNSHIP ENGINEER 24 HOURS PRIOR TO POURING.
7. A HALF INCH EXPANSION JOINT OF A NON-EXTRUDABLE BITUMASTIC MATERIAL SHALL BE ADDED CONTINUOUSLY BETWEEN THE CURB AND SIDEWALK WHERE A GRASS AREA IS NOT PROVIDED.

REV. 2/2/99 (expansion joint)

CONCRETE SIDEWALK DETAIL

N.T.S.

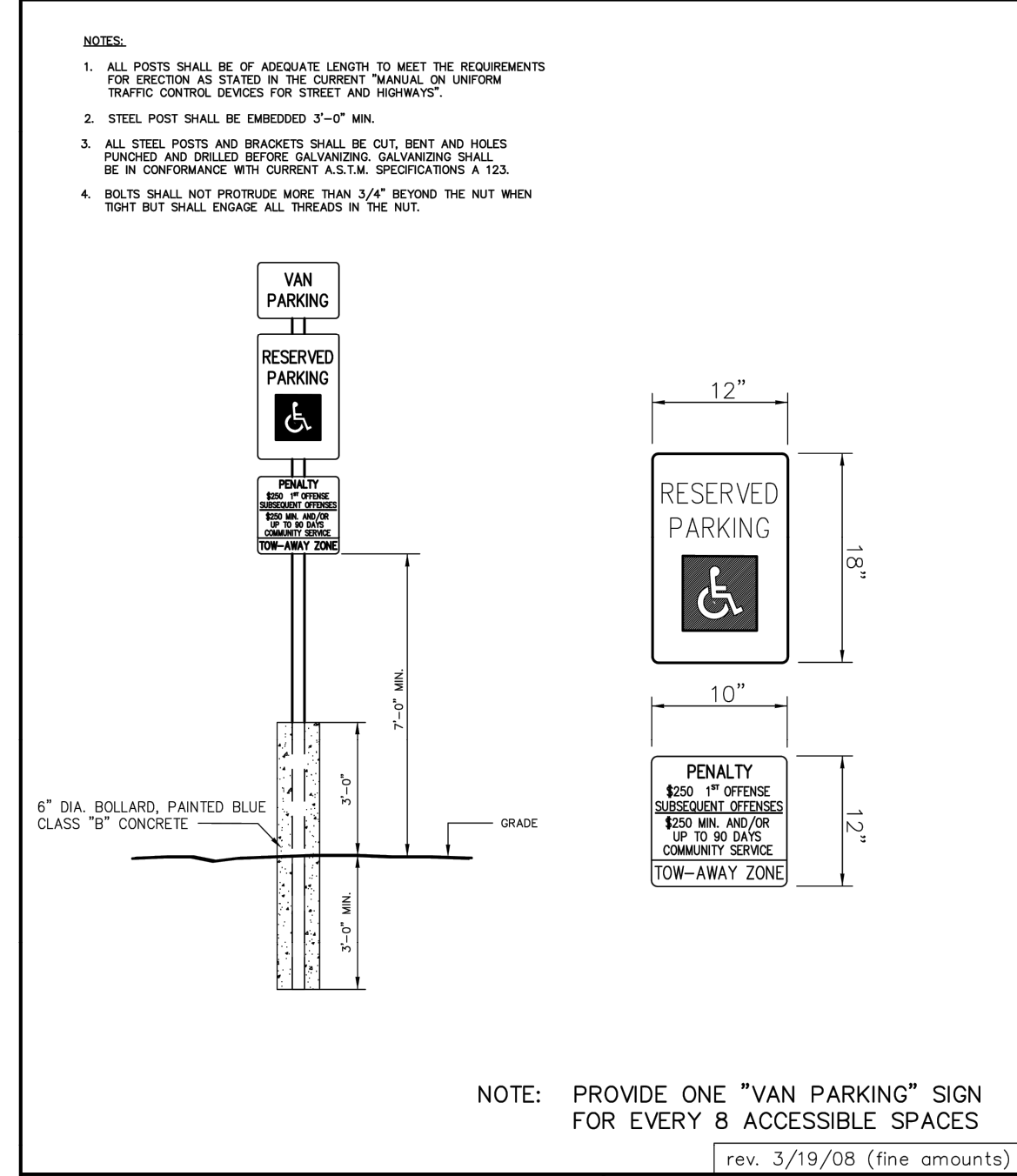


NOTE:

THIS DETAIL CAN BE USED FOR BOTH PAVEMENT AND NON-PAVEMENT BACKFILL SITUATIONS

TYPICAL PIPE BEDDING DETAIL

N.T.S.

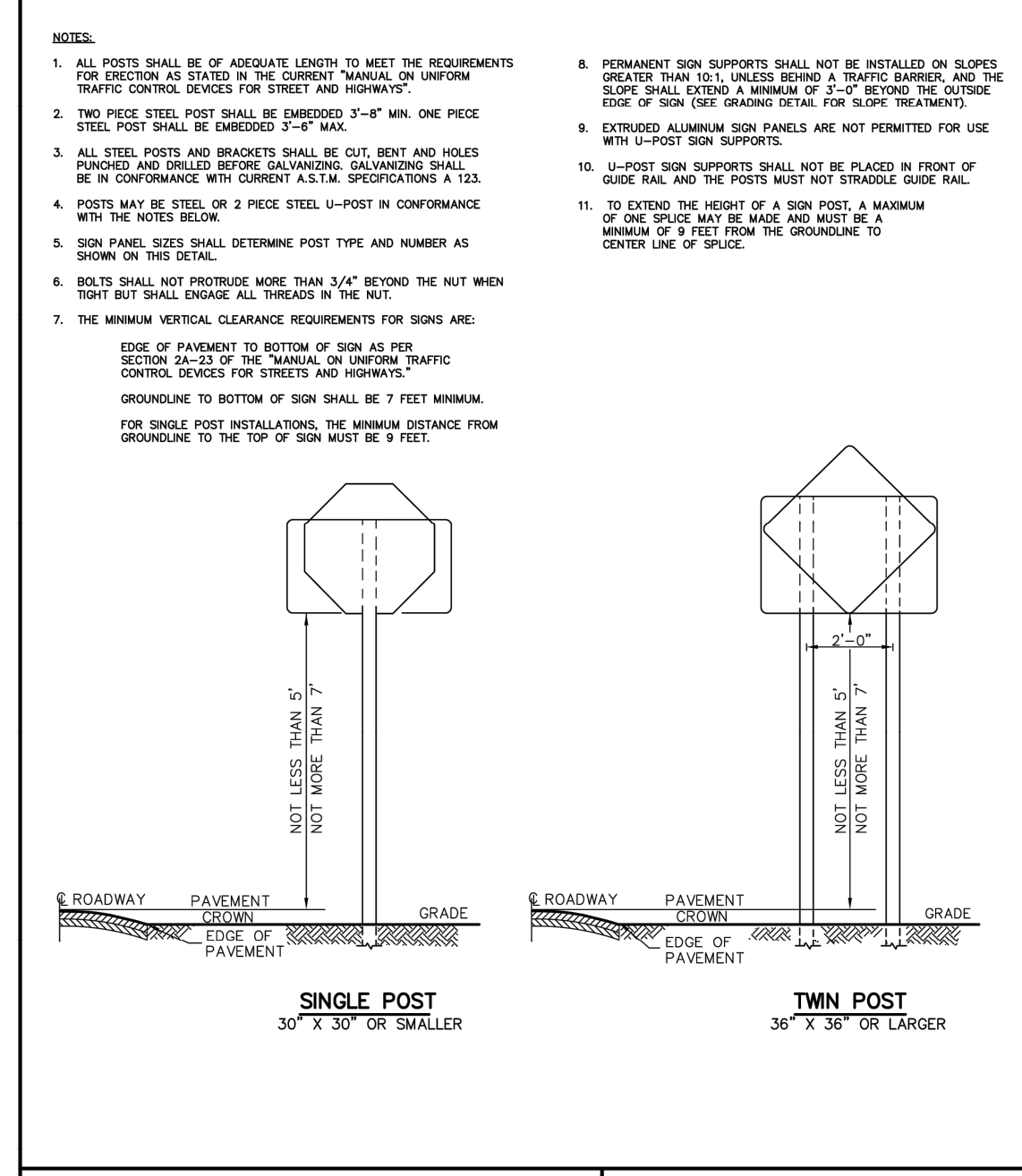


NOTE: PROVIDE ONE "VAN PARKING" SIGN FOR EVERY 8 ACCESSIBLE SPACES

rev. 3/19/08 (fine amounts)

ADA SIGN MOUNTING DETAIL

N.T.S.

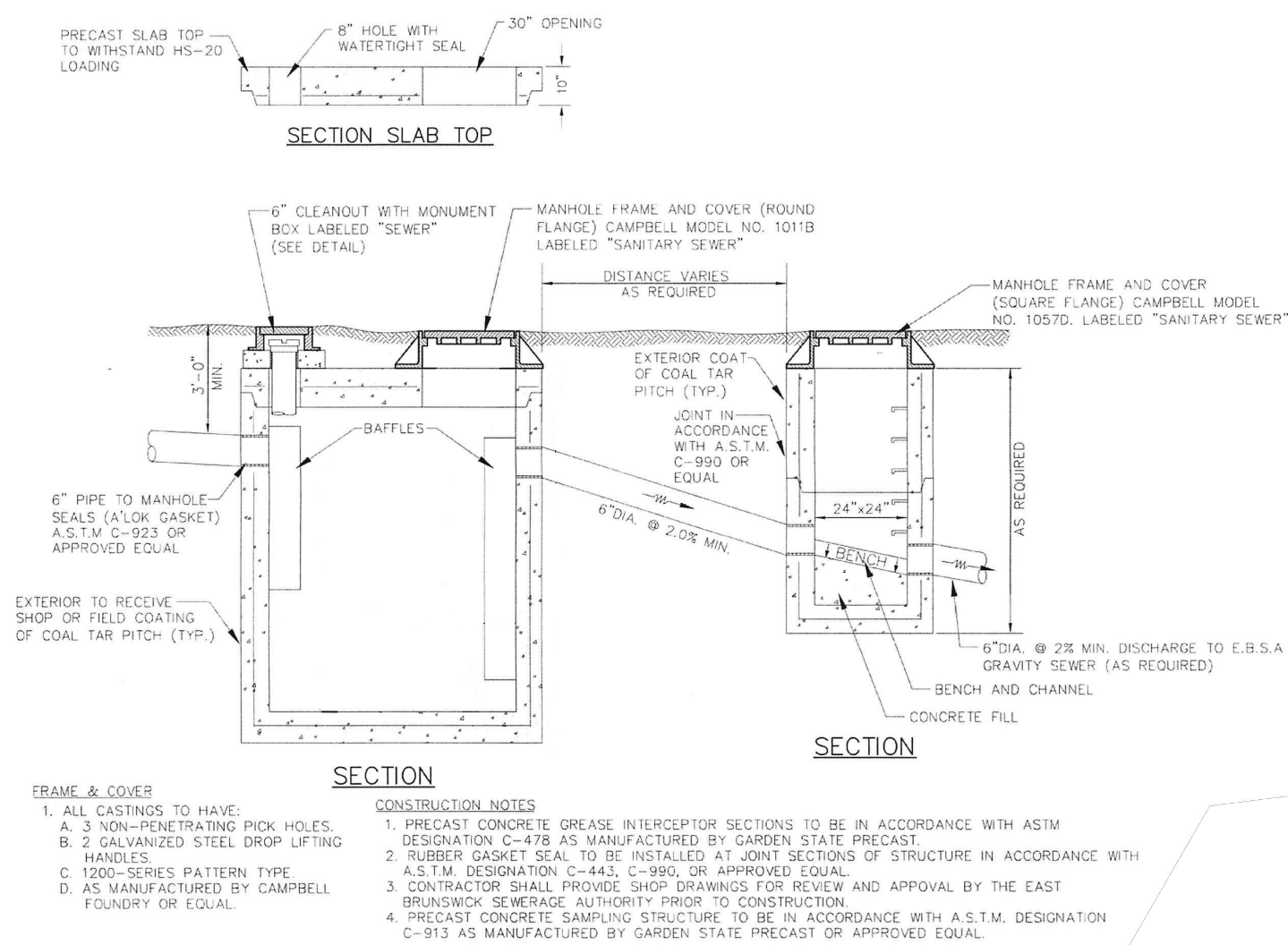


NOTES:

1. ALL POSTS SHALL BE OF ADEQUATE LENGTH TO MEET THE REQUIREMENTS FOR ERECTION AS STATED IN THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS.
2. TWO PIECE STEEL POST SHALL BE EMBEDDED 3'-8" MIN. ONE PIECE STEEL POST SHALL BE EMBEDDED 3'-4" MAX.
3. ALL STEEL POSTS AND BRACKETS SHALL BE CUT, BENT AND HOLES PUNCHED AND DRILLED BEFORE GALVANIZING. GALVANIZING SHALL BE IN CONFORMANCE WITH CURRENT A.S.T.M. SPECIFICATIONS A 123.
4. POSTS MAY BE STEEL OR 2 PIECE STEEL U-POST IN CONFORMANCE WITH THE NOTES BELOW.
5. SIGN PANEL SIZES SHALL DETERMINE POST TYPE AND NUMBER AS SHOWN ON THIS DETAIL.
6. BOLTS SHALL NOT PROTRUDE MORE THAN 3/4" BEYOND THE NUT WHEN TIGHT BUT SHALL ENGAGE ALL THREADS IN THE NUT.
7. THE MINIMUM VERTICAL CLEARANCE REQUIREMENTS FOR SIGNS ARE:
EDGE OF PAVEMENT TO BOTTOM OF SIGN AS PER SECTION 9A-33 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS.
GROUNDLINE TO BOTTOM OF SIGN SHALL BE 7 FEET MINIMUM.
FOR SINGLE POST INSTALLATIONS, THE MINIMUM DISTANCE FROM GROUNDLINE TO THE TOP OF SIGN MUST BE 9 FEET.
8. PERMANENT SIGN SUPPORTS SHALL NOT BE INSTALLED ON SLOPES GREATER THAN 10% UNLESS BEING A TRAFFIC BARRIER, AND THE SLOPE SHALL EXCEED A MINIMUM OF 3'-0" BEYOND THE OUTSIDE EDGE OF SIGN (SEE GRADING DETAIL FOR SLOPE TREATMENT).
9. EXTRUDED ALUMINUM SIGN PANELS ARE NOT PERMITTED FOR USE WITH U-POST SIGN SUPPORTS.
10. U-POST SIGN SUPPORTS SHALL NOT BE PLACED IN FRONT OF GUIDE RAIL AND THE POSTS MUST NOT STRADDLE GUIDE RAIL.
11. TO EXCEED THE HEIGHT OF A SIGN POST, A MAXIMUM OF 10 FEET FROM THE GROUNDLINE TO THE TOP OF SIGN SHALL BE 9 FEET.

SIGN MOUNTING DETAIL

N.T.S.



FRAME & COVER

1. ALL CASTINGS TO HAVE:
A. 3 NON-PENETRATING RINK HOLES.
B. 2 GALVANIZED STEEL DROP LIFTING HANDLES.
C. 1000-SERIES PATTERN TYPE.
D. AS MANUFACTURED BY CAMPBELL (FOUNTAIN OR EQUAL).

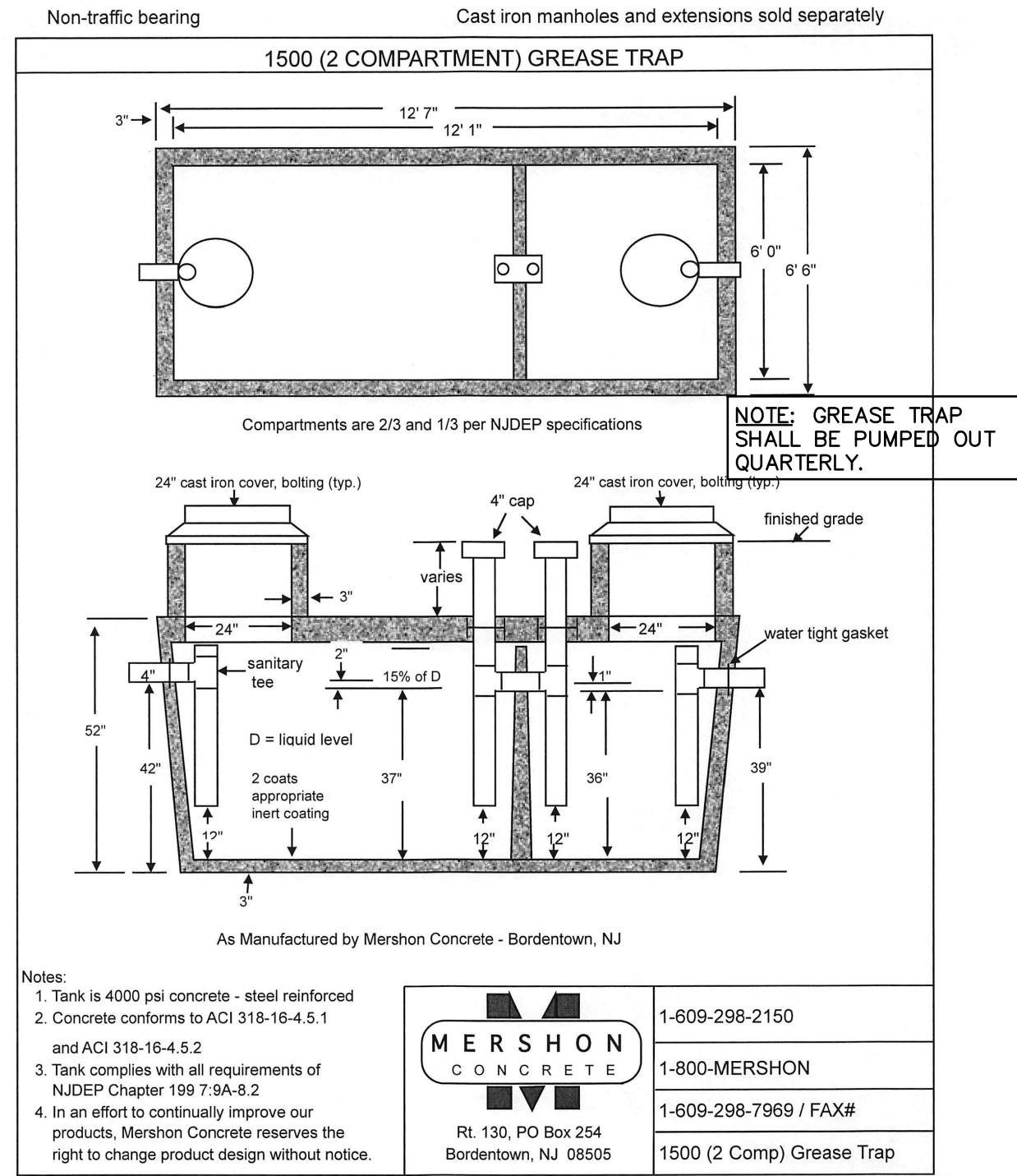
CONSTRUCTION NOTES

1. PRECAST CONCRETE GREASE TRAP SECTIONS TO BE IN ACCORDANCE WITH ASTM DESIGNATION C-913 AS MANUFACTURED BY GARDEN STATE PRECAST.
2. RUBBER GASKET SEAL TO BE INSTALLED AT JOINT SECTIONS OF STRUCTURE IN ACCORDANCE WITH A.S.T.M. DESIGNATION C-913 OR APPROVED EQUAL.
3. CONTRACTOR SHALL PROVIDE SUFFICIENT DRAINAGE FOR REVIEW AND APPROVAL BY THE EAST BRUNSWICK SEWERAGE AUTHORITY PRIOR TO CONSTRUCTION.
4. PRECAST CONCRETE SAMPLING STRUCTURE TO BE IN ACCORDANCE WITH A.S.T.M. DESIGNATION C-913 AS MANUFACTURED BY GARDEN STATE PRECAST OR APPROVED EQUAL.

TYPICAL GREASE TRAP & SAMPLING MANHOLE DETAIL

N.T.S.

NOTE: REFER TO DETAIL (THIS SHEET) FOR ACTUAL GREASE TRAP SIZING.



NOTES:

1. Tank is 4000 psi concrete - steel reinforced
2. Concrete conforms to ACI 318-16-4.5.1 and ACI 318-16-4.5.2
3. Tank complies with all requirements of NJDEP Chapter 169 7-BA-8.2
4. In an effort to continually improve our products, Merushon Concrete reserves the right to change product design without notice.



1-609-298-2150
1-800-MERUSHON
1-609-298-7969 / FAX#
1500 (2 Comp) Grease Trap

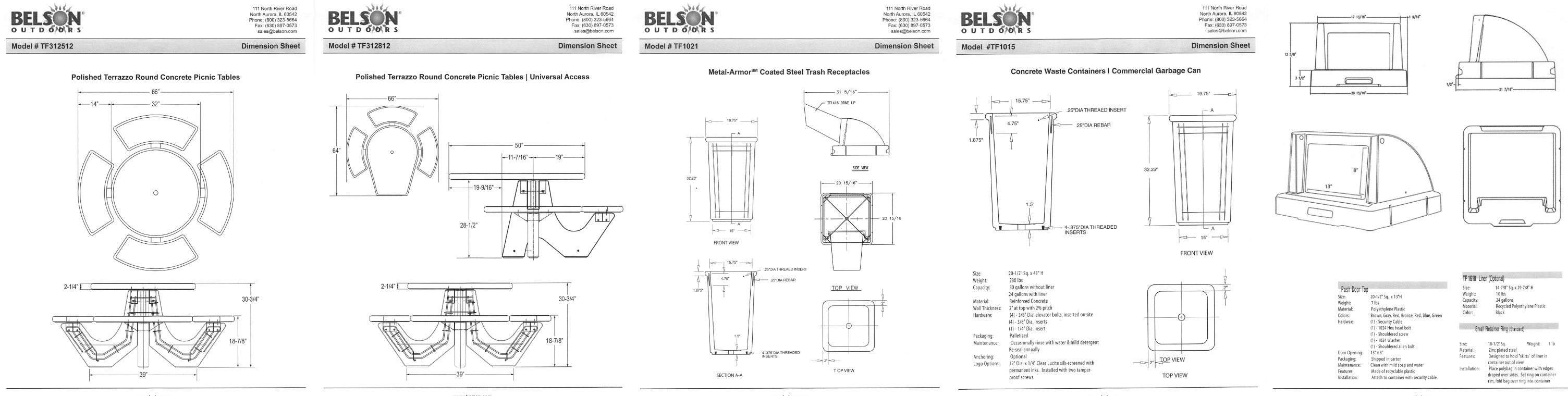
1,500 GAL. GREASE TRAP DETAIL

N.T.S.

OUTDOOR FIXTURE DETAILS

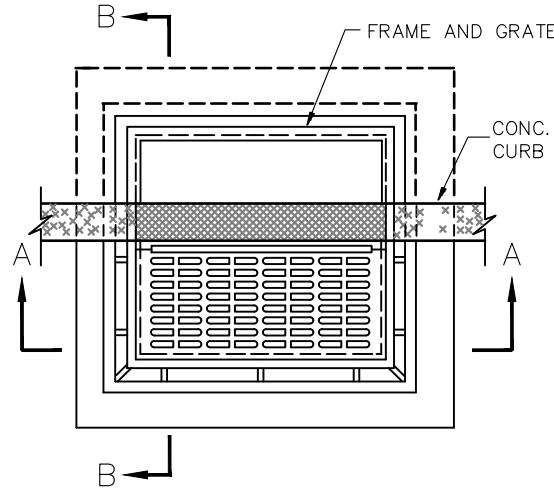
NOTES:

1. OUTDOOR BENCH MODEL #TF312512, MISTY GRAY FINISH, QTY. 2
2. OUTDOOR BENCH ADA MODEL #TF312812, MISTY GRAY FINISH, QTY. 1
3. DRIVE-THRU TRASH RECEPTACLE MODEL #TF1021, MISTY GRAY FINISH, QTY. 1
4. PATIO TRASH RECEPTACLE MODEL #TF1015, MISTY GRAY FINISH, QTY. 1
5. OUTSIDE MAIN ENTRANCE TRASH RECEPTACLE MODEL #TF1015, MISTY GRAY FINISH, QTY. 1

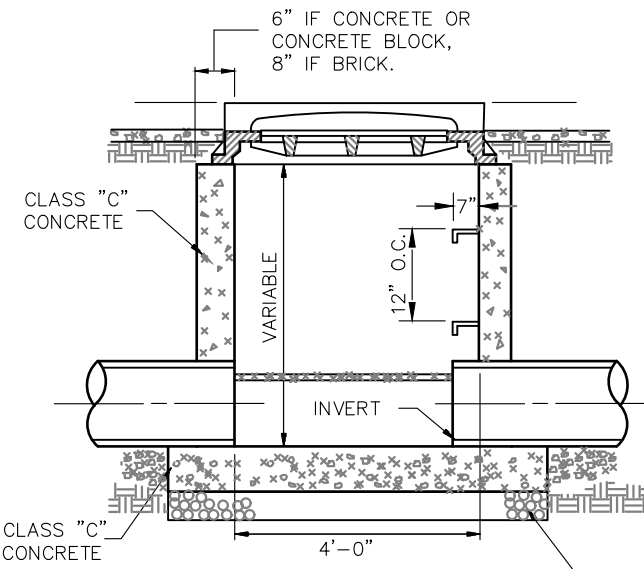


GENERAL NOTES:

1. INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS. BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
2. THIS INLET MAY BE CONSTRUCTED OF CONCRETE OR CONCRETE BLOCK. IF CONCRETE BLOCK IS USED, THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE & THE OUTSIDE WALLS SHALL BE PLASTERED WITH 1/2" COAT OF 1:2 CEMENT SAND MORTAR. THE INSIDE WALLS JOINTS SHALL BE STRUCK & POINTED.
3. PROVIDE 3/4" DIA. x 7" x 16" ALUMINUM LADDER RUNGS, 12" O.C.
4. INLET FRAME AND GRATE TO BE CAMPBELL FOUNDRY PATTERN NO. 2618 BICYCLE SAFE, OR APPROVED EQUAL.
5. WHEN THE DEPTH IS GREATER THAN 12", THE WALLS SHALL BE EITHER 8" CONCRETE OR 8" CONCRETE BLOCK AND THE FOOTING SHALL BE EXTENDED TO 12" BEYOND THE OUTSIDE WALLS.
6. WHEN PRECAST STRUCTURES ARE USED, CLEAN STONE SHALL BE PLACED BENEATH THE STRUCTURE TO A DEPTH OF 8".
7. ALL PRECAST STRUCTURES TO RECEIVE BITUMASTIC TAR COAT OUTSIDE ONLY.
8. ALL TYPE "B" INLETS ARE TO BE INSTALLED WITH THE TYPE "N" ECO-FRIENDLY HEADERS (SEE DETAIL).

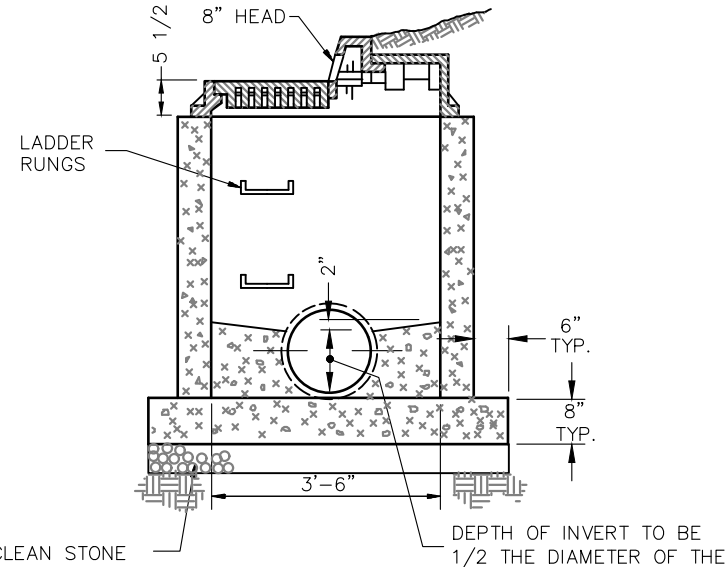


PLAN

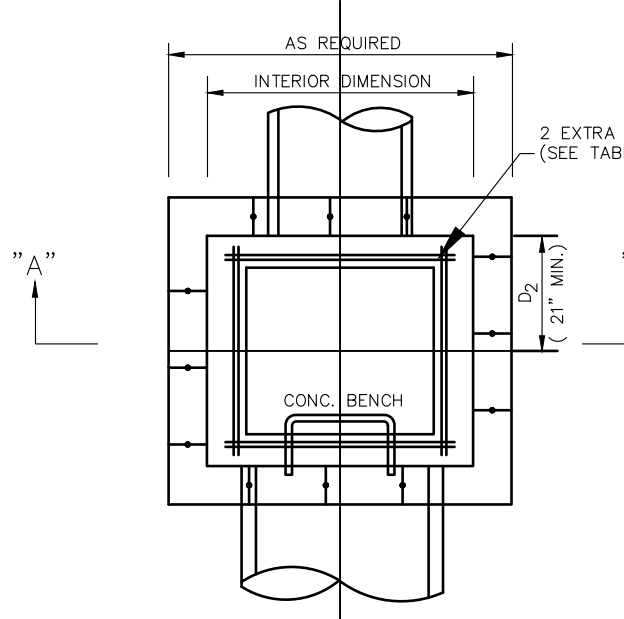


SECTION A-A

TYPE "B" INLET
WITH BICYCLE SAFE GRATE
N.T.S.



SECTION B-B

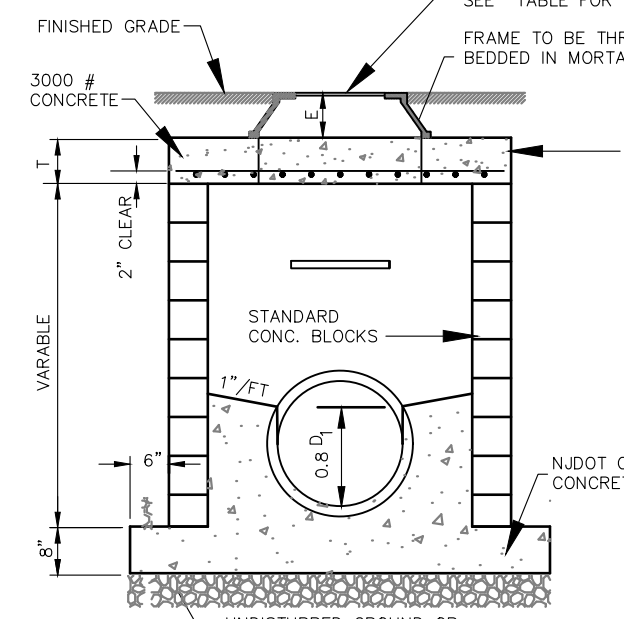


SPAN	REINFORCING	T
4'	No. 4-6"C.C.	8"
6'	No. 4-5"C.C.	8"
8'	No. 4-6"C.C.	10"
10'	No. 4-5"C.C.	10"
12'	No. 5-6"C.C.	12"

STRUCTURE	CAMPBELL CASTING	E	OPENING
MANHOLE	1228	8"	32"x32"
TYPE "B" INLET	2548	13-1/2"	48"x42"
TYPE "E" INLET	3440	5"	48"x42"

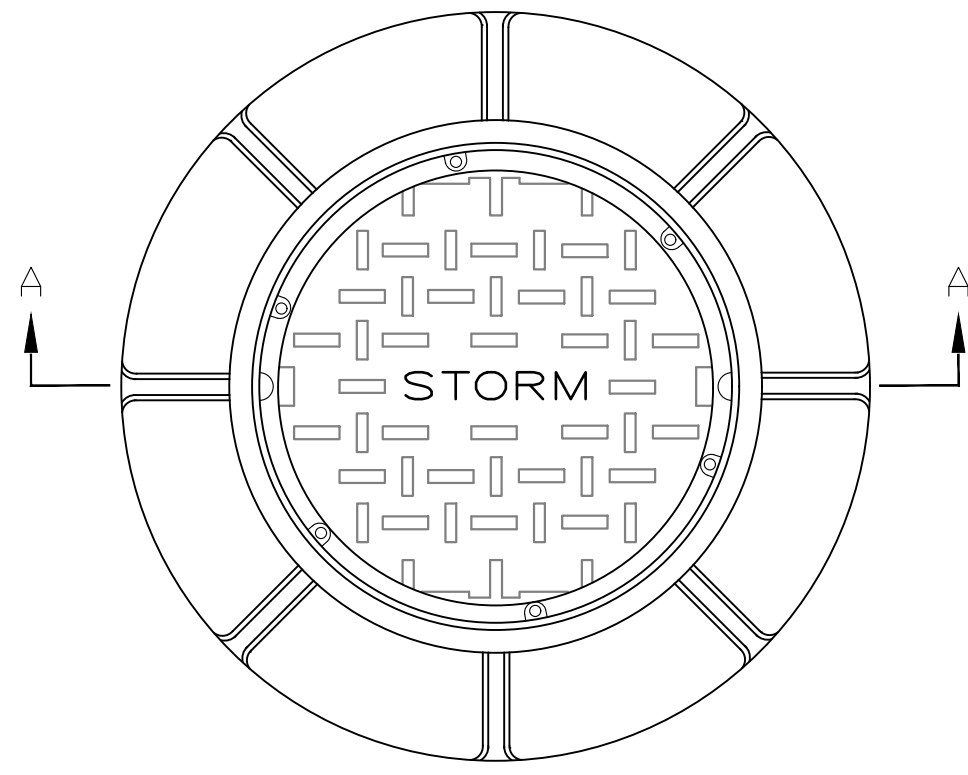
NOTES:

1. REINFORCING BARS TO BE DEFORMED IN ACCORDANCE WITH THE LATEST A.S.T.M. STANDARDS.
2. PROVIDE PLASTIC LADDER RUNGS @ 12" O.C.
3. WHEN ADDITIONAL DEPTH IS SCHEDULED WALLS BELOW THE DEPTH OF 8'-0" MEASURED FROM THE INLET GUTTER TO THE INVERT, SHALL BE 12" THICK. THE FOUNDATION DIMENSIONS SHALL BE INCREASED BY 12" IN WIDTH AND TO 12" IN DEPTH.

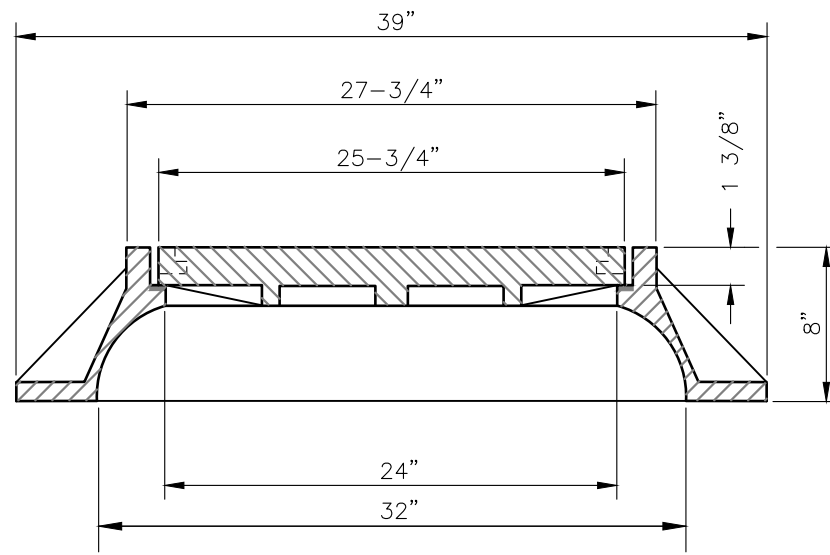


SECTION A-A

DOGHOUSE STRUCTURE
N.T.S.



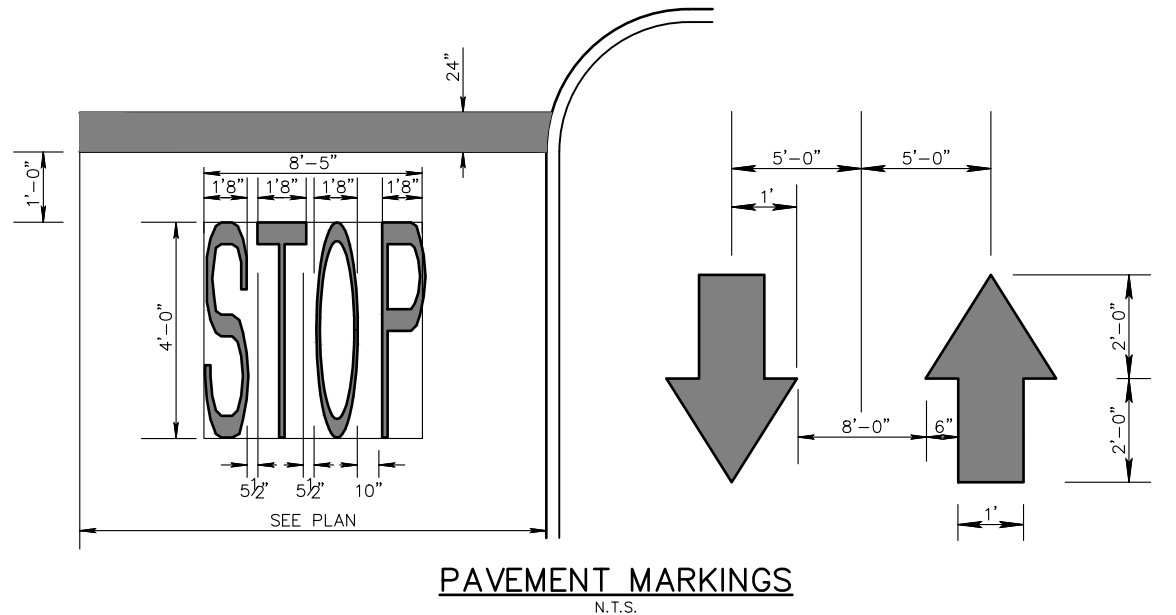
PLAN



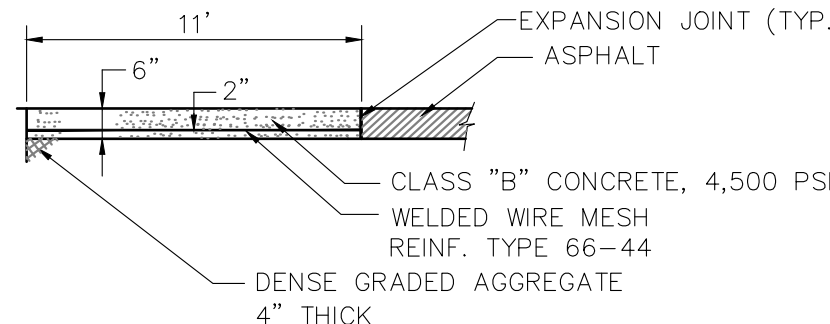
SECTION A-A

CAMPBELL FOUNDRY NUMBER 1203

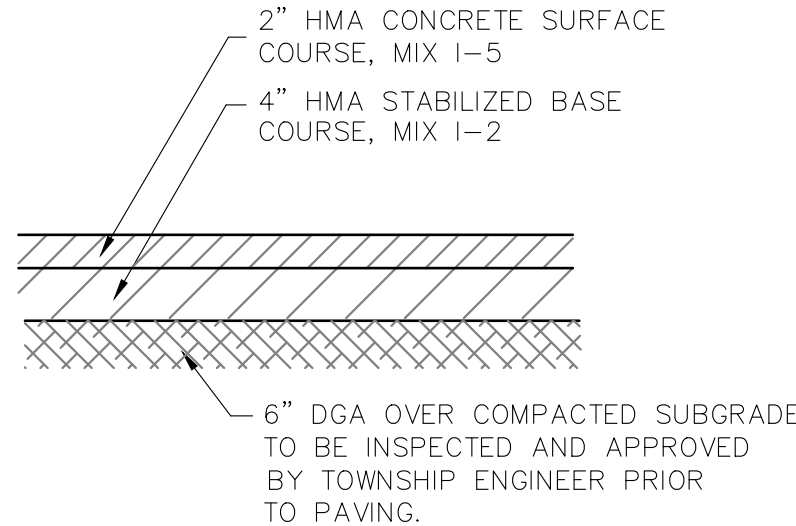
STORM MANHOLE FRAME AND COVER
N.T.S.



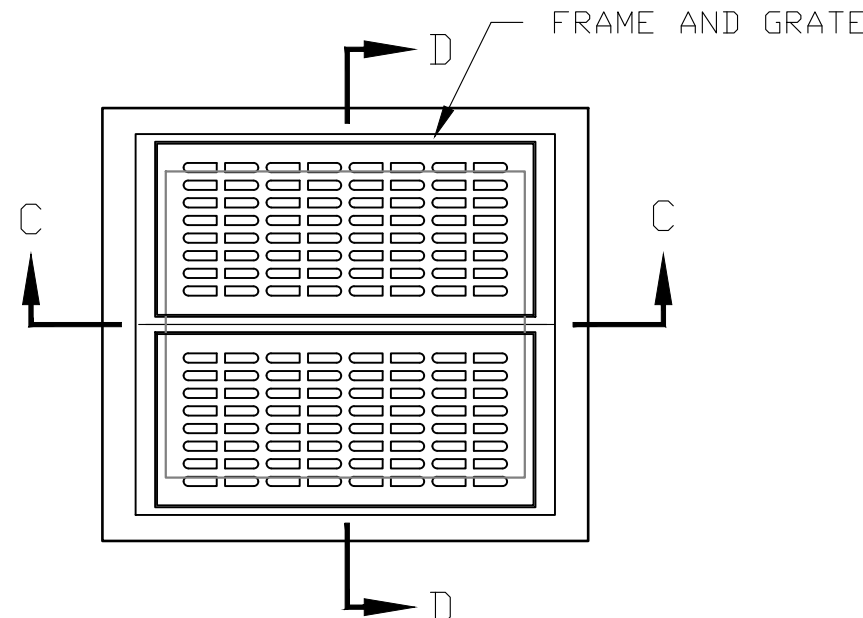
PAVEMENT MARKINGS
N.T.S.



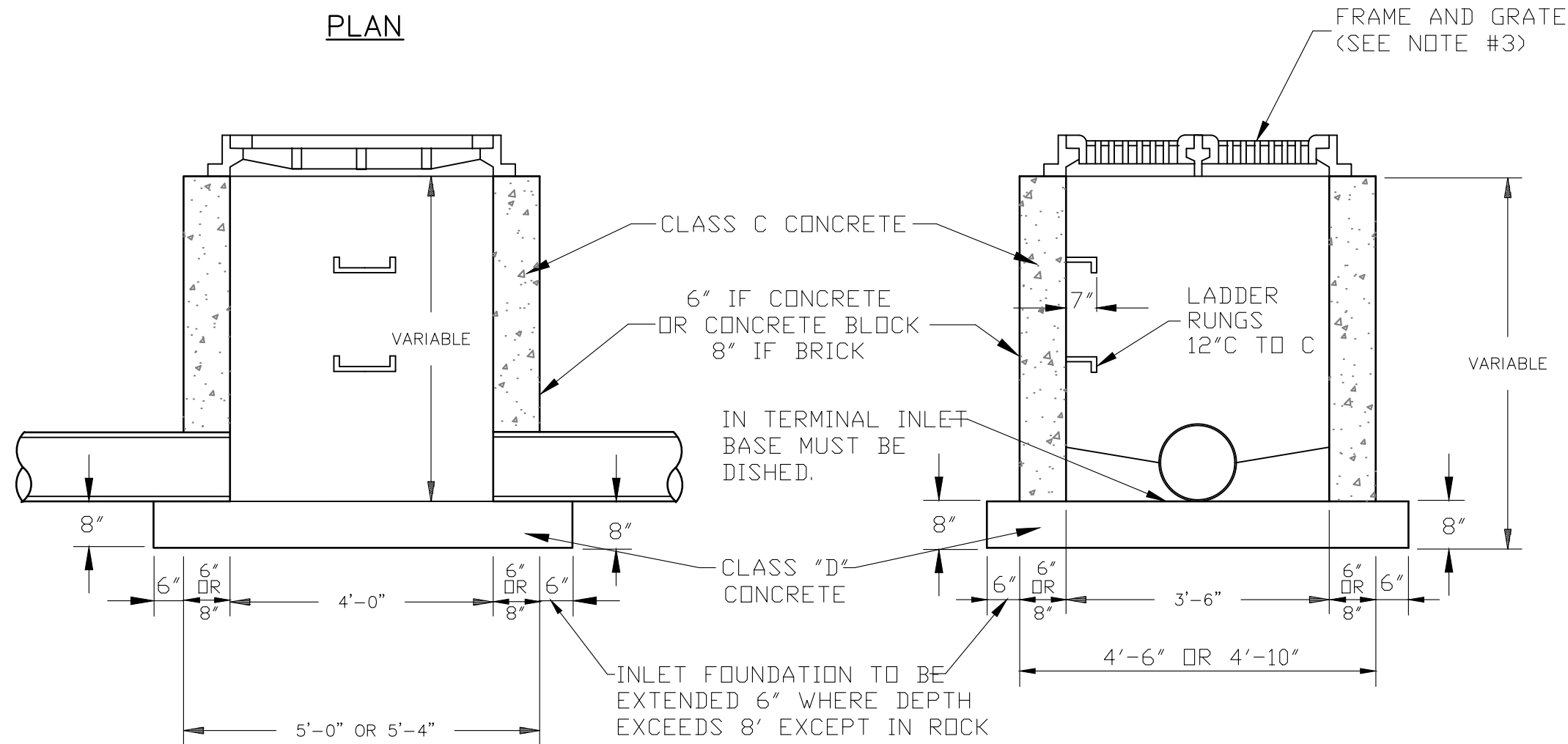
CONCRETE DRIVE-THRU SURFACE &
6" THICK, REINFORCED
N.T.S.



PARKING AREAS
TYPICAL PAVEMENT SECTION
N.T.S.



PLAN



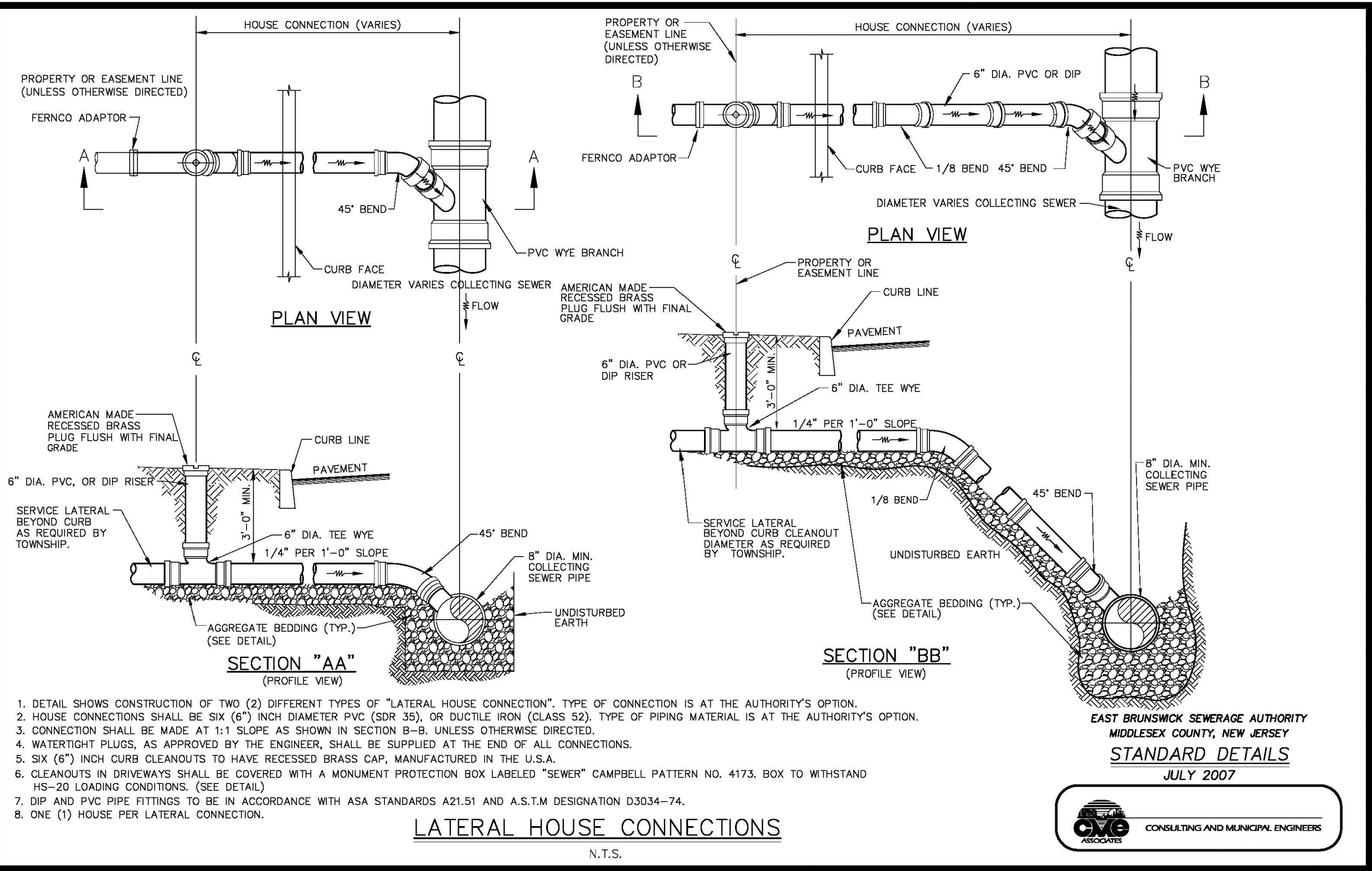
SECTION 'C-C'

TYPE "E" INLET
WITH BICYCLE SAFE GRATE
N.T.S.

GENERAL NOTES:

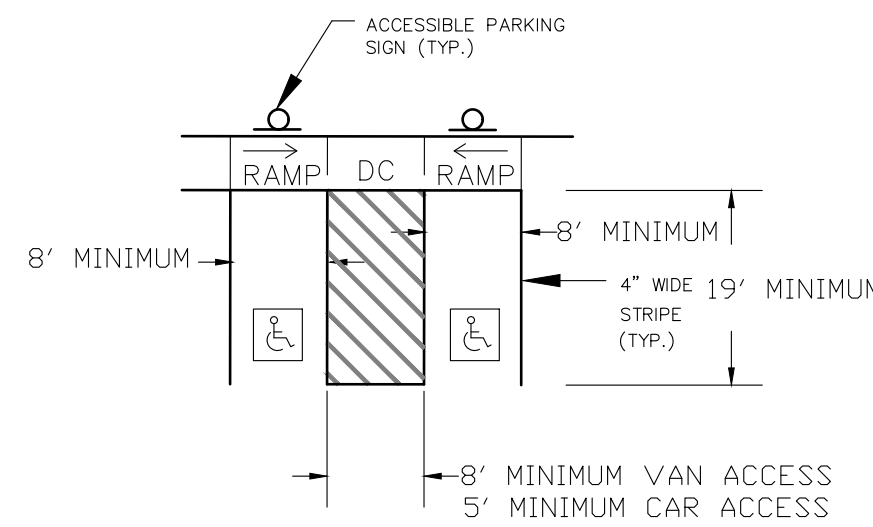
1. INVERTS TO BE ELIMINATED IN BOTTOM OF TERMINAL INLETS. BOTTOMS SHALL BE DISHED AND SLOPED TOWARDS THE OUTLET PIPE AT A RATE OF GRADE OF 2 INCHES PER FOOT.
2. THIS INLET MAY BE CONSTRUCTED OF BRICK, CONCRETE OR CONCRETE BLOCK. IF BRICK OR CONCRETE BLOCK IS USED, THE BOTTOM SHALL BE AS SHOWN FOR CONCRETE & THE OUTSIDE OF THE WALLS SHALL BE PLASTERED WITH 1/2" COAT OF 1:2 CEMENT SAND MORTAR.
3. INLET FRAME AND GRATES TO BE CAMPBELL FOUNDRY PATTERN NO. 3425 BICYCLE SAFE, OR APPROVED EQUAL.

SECTION 'D-D'



1. DETAIL SHOWS CONSTRUCTION OF TWO (2) DIFFERENT TYPES OF "LATERAL HOUSE CONNECTION". TYPE OF CONNECTION IS AT THE AUTHORITY'S OPTION.
2. HOUSE CONNECTIONS SHALL BE SIX (6") INCH DIAMETER PVC (SOR 305), OR DUCTILE IRON (CLASS 50), TYPE OF PIPING MATERIAL IS AT THE AUTHORITY'S OPTION.
3. CONNECTION SHALL BE MADE AT 1:1 SLOPE AS SHOWN IN SECTION B-B, UNLESS OTHERWISE DIRECTED.
4. WATERTIGHT PLUGS, AS APPROVED BY THE ENGINEER, SHALL BE SUPPLIED AT THE END OF ALL CONNECTIONS.
5. SIX (6") INCH CURB CLEANOUTS TO HAVE RECESSED BRASS CAP, MANUFACTURED IN THE U.S.A.
6. CLEANOUTS IN DRIVEWAYS SHALL BE COVERED WITH A MONUMENT PROTECTION BOX LABELED "SEWER" CAMPBELL PATTERN NO. 4173, BOX TO WITHSTAND HS-20 LOADING CONDITIONS. (SEE DETAIL).
7. DIP AND PVC PIPE FITTINGS TO BE IN ACCORDANCE WITH ASA STANDARDS A21.51 AND A.S.T.M DESIGNATION D3034-74.
8. ONE (1) HOUSE PER LATERAL CONNECTION.

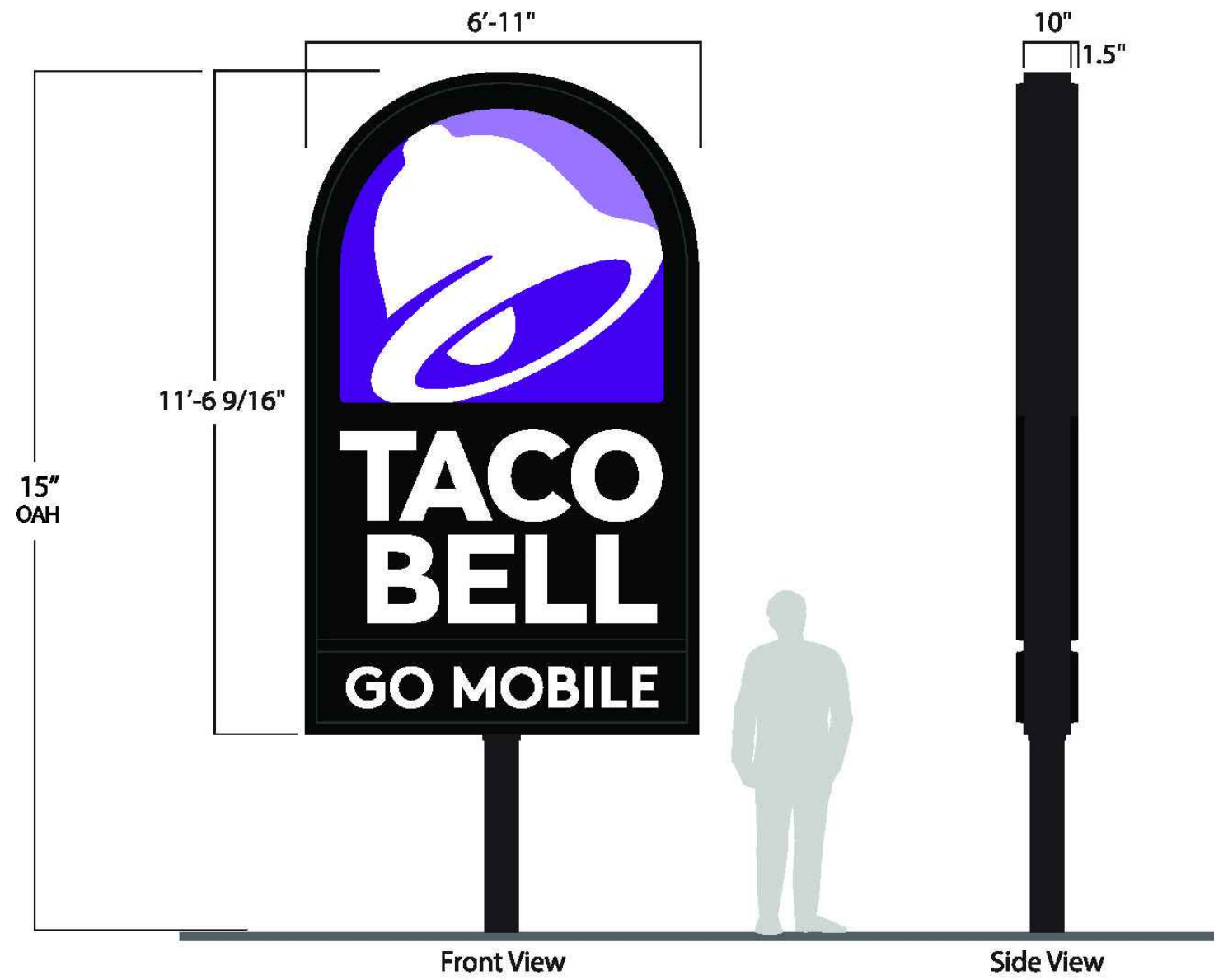
LATERAL HOUSE CONNECTIONS
N.T.S.



- NOTES:
1. ALL STALLS SHALL BE A MINIMUM OF 8'x18'.
 2. SPACES DESIGNATED AS BEING "VAN ACCESSIBLE" SHALL BE ADJACENT TO ACCESS AISLES WITH A MIN. WIDTH OF 8 FEET.
 3. PROPOSED STRIPING SHALL BE BLUE IN COLOR.
 4. STRIPING SHALL BE LONG-LIFE EPOXY RESIN OR THERMOPLASTIC.

ACCESSIBLE PARKING STRIPING LAYOUT
N.T.S.

NO.		DATE		DESCRIPTION	
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT CONSTRUCTION DETAILS BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68					
TOWNSHIP OF MOUNT OLIVE		MORRIS COUNTY, NEW JERSEY			
		EAST POINT ENGINEERING, LLC		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180	
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800		DATE 12-02-22		PROJECT NUMBER: 22-166	
MARC S. LEBERMAN, P.E. N.J. PROFESSIONAL ENGINEER, LICENSE NO. 246064455400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 33100596900		SCALE: N/A		CHECKED BY: BNP	
		DATE 12-02-22		SHEET NO. 12 OF 16	

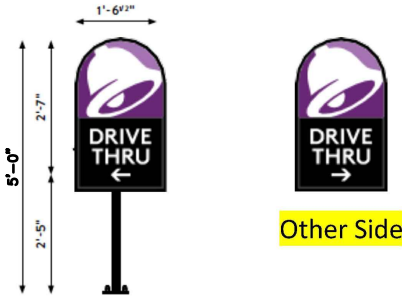


Front View
Side View
E037872 75 SQ. FT. PYLON @ 15' OAH
Scale: 5/16" = 1'-0"

Everbrite		DISCLAIMER: Renderings are for graphic purposes only and not intended for actual construction dimensions. For window requirements, actual dimensions and mounting detail, please refer to engineering specifications and install drawings. © 2023 Everbrite, LLC, all rights reserved. This document is confidential and proprietary to Everbrite, LLC. Any disclosure to a third party is expressly prohibited.	
Customer: TACO: Taco Bell		Description: 75 SF E037872 @15' OAH	
Project No: 482223	Scale: As Noted	Customer Approval: Graphics and colors on file will be used unless otherwise specified by customer. Please review drawing carefully. By signing below, you agree to graphics as shown above, and to location of sign as shown. Please return signed copy back to Everbrite.	
Date: 03/08/2023	Drawn By: KW	Revised:	CUSTOMER SIGNATURE _____ DATE _____
Location:	Site No:	Revised:	LANDLORD SIGNATURE _____ DATE _____

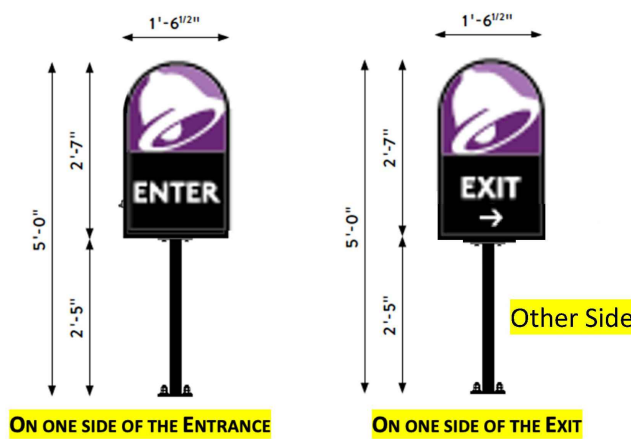
Directional Signs

SIGN # 1



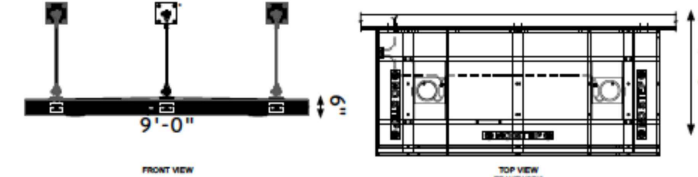
V-03
DIRECTIONAL
SIGN AREA: 5.58 SF

SIGN # 2 & 3



TACO BELL
FLANDERS, NJ

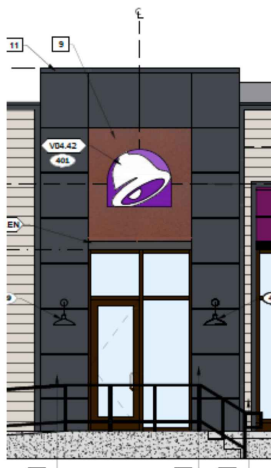
Drive Thru Window Canopy



V-101.DT.EN
AWNING - PANTONE BLACK
AWNING SIZE: 9'-0" X 6" X 4"
AWNING LOCATION: DRIVE THRU ELEVATION OF ENDEAVOR

TACO BELL
FLANDERS, NJ

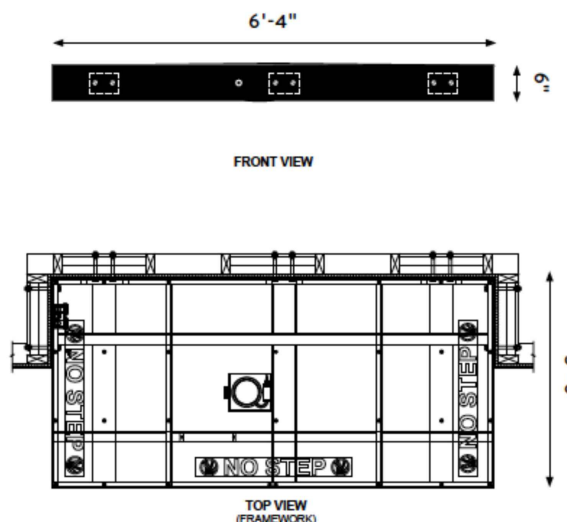
Building Sign MAIN ENTRANCE BELL



V-04-42
42" DRIVING BELL
PURPLE LOGO - FACE LIT
SIGN SIZE: 3'-4" X 3'-10"
SIGN AREA: 13.53 SF

TACO BELL
FLANDERS, NJ

Building Sign MAIN ENTRANCE CANOPY



V-200.EN
CANOPY - PANTONE BLACK
AWNING SIZE: 6'-4" X 6" X 3'-0"
AWNING LOCATION: SIDE ENTRY ELEVATION OF ENDEAVOR

TACO BELL
FLANDERS, NJ

TOWER SIGN BELL

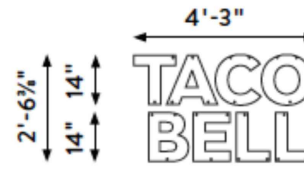


V-04-42
42" DRIVING BELL
PURPLE LOGO - FACE LIT
SIGN SIZE: 3'-4" X 3'-10"
SIGN AREA: 13.53 SF
BOTH SIDE OF TOWER - QTY 2

TACO BELL
FLANDERS, NJ

1	10-30-23	REVISED PYLON SIGN DETAIL
NO.	DATE	DESCRIPTION
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT SITE SIGNAGE DETAILS BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68		
TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY		
EAST POINT ENGINEERING, LLC NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800		
11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180		
DATE: 10-30-23		PROJECT NUMBER: 22-166
SCALE: N/A		CHECKED BY: BNP
DATE: 10-30-23		SHEET NO. 13 OF 16

TOWER SIGN TACO BELL STACKED



V-09.14W

14" WHITE CHANNEL LETTERS - WALL

SIGN AREA: 10.8 SF

VERTICAL SIGN SIZE: 4'-3" X 2'-6 1/4"

ALTERNATE LETTER SIGNAGE:

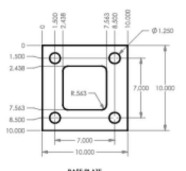
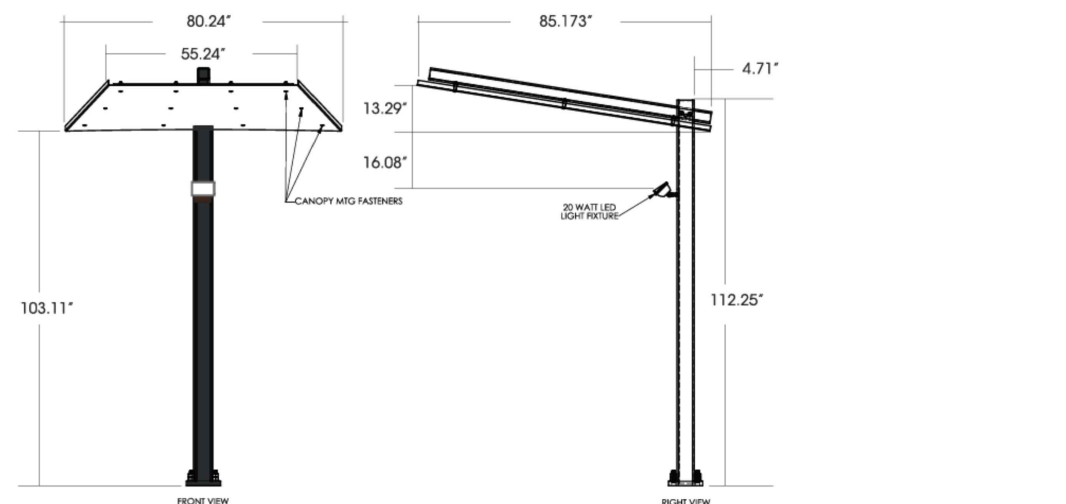
BLACK/WHITE CHANNEL LTRS: V-10.14BW
WHITE CHANNEL LTRS(AWNING): V-11.14W
BLACK/WHITE CHANNEL LTRS (AWNING): V-12.14BW

BOTH SIDE OF TOWER
QTY 2



FLANDERS, NJ

Drive Thru Order Point Canopy



FLANDERS, NJ

ELECTRICAL SPECIFICATIONS
UL & NEC approved required
Circuit: 5.7' 96" x 100' 100' - 20W LED (4100K), 1400 lumens
Circuit: 11.0' 100' 100'

COLOR SPECIFICATIONS
RAL9011 Graphite Black



FLANDERS, NJ

Drive Thru Digital Menu Board



Modular Design
All components are field
installable in 15 minutes or less
or by a professional installer

24/7 Monitoring and Control
View content remotely via
web or mobile app

Content Management
Streamlined using integrated hardware and software

Senior-rich Capabilities
Cross-direction understanding of operations and
customer behavior ensuring the delivery of the best
customer experience

Visibility at All Angles
A brightness of 3,000 nits and scratch resistant
tempered glass delivers clear views even in direct
sunlight through curved and angled panels

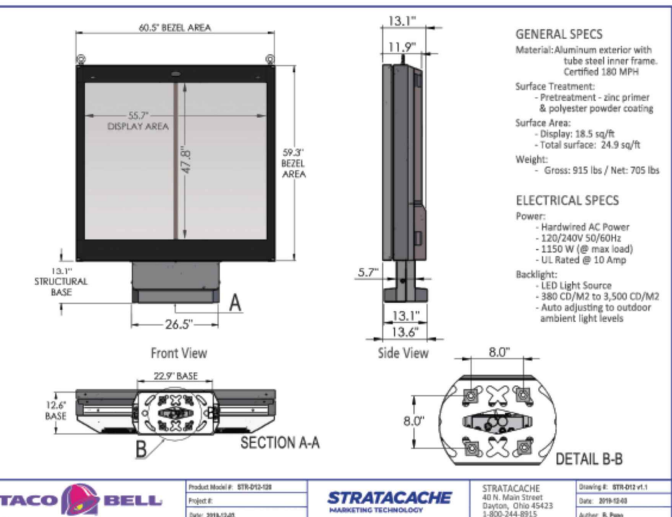
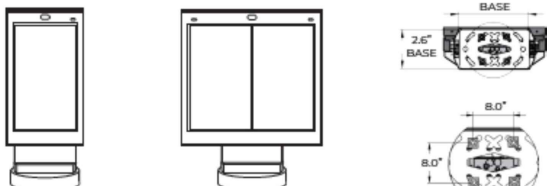
Maximum Reliability
Able to withstand all harsh weather conditions with an
operating temperature range of -20 F to +130 F, patented
direct airflow cooling, and IP65 certification



FLANDERS, NJ

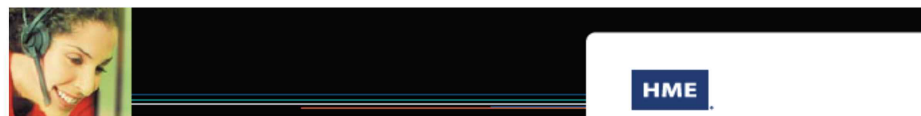
OUTDOOR DIGITAL DISPLAY

ITEM	DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
1	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
2	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
3	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
4	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
5	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
6	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
7	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
8	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
9	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00
10	OUTDOOR DIGITAL DISPLAY	1	\$1,200.00	\$1,200.00



FLANDERS, NJ

Drive Thru Speaker Post



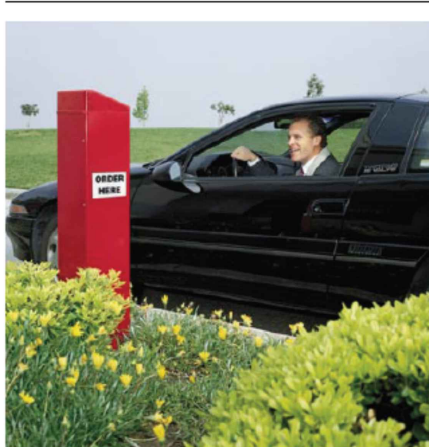
SPP2" Speaker Post for Clear Drive-Thru Communication

Enhanced Drive-Thru Communication

The SPP2 Full Duplex Speaker Post is built tough to withstand the rigors of the drive-thru and give you the highest possible sound quality. Its full-duplex design houses both the speaker and microphone to customers and order takers enjoy clear two-way communication for better order accuracy and customer service.

SPP2 comes in a wide variety of colors to match virtually any restaurant's color scheme and features an easy-to-read, reflective "ORDER HERE" sign. Plus, its rugged construction minimizes your maintenance time for a low overall cost of ownership.

Call toll-free (800) 848-4488 or your authorized HME dealer for more information.



HME's SPP2 Speaker Post is designed to provide optimum sound quality for better order accuracy and happier customers.



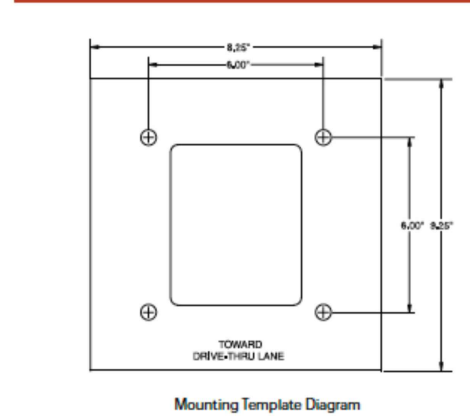
FLANDERS, NJ

SPP2" Speaker Post Highlights:

- Enclosed Chambers**
Accoustically designed to significantly improve sound quality for better order accuracy
- Easy Installation and Mounting**
Mounting kit provides easy installation for new and existing restaurants
- Matches Any Restaurant Color Scheme**
A wide variety of available colors ensures a match with virtually any restaurant
- Reflective "ORDER HERE" Sign**
Easy-to-read sign helps guide customers to your drive-thru
- Durable Design**
Rugged steel construction and zinc-based paint help SPP2 withstand the harshest weather conditions



SPP2 Speaker Post for Clear Drive-Thru Communication



Specifications

Components:

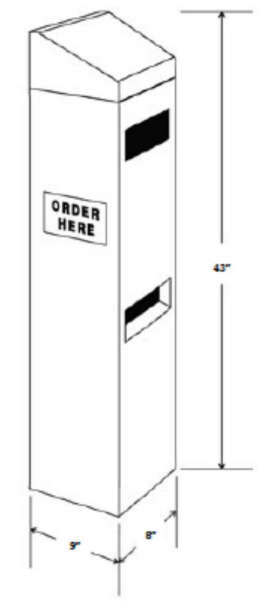
- > Zinc-Plated Speaker Post and Speaker
- > Mounting Kit
- > Lighting Kit**
- > Microphone**

**Optional

Mechanical Dimensions:

- > Height: 43" (1,093 mm)
- > Width: 8" (203 mm)
- > Depth: 8" (203 mm)

SPP2 Speaker Post Dimensions



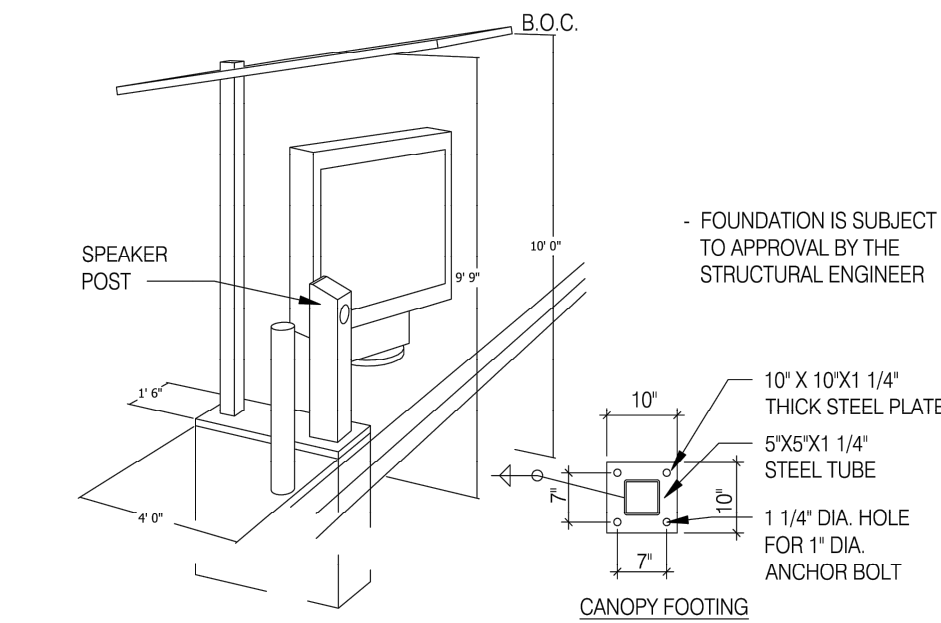
Call toll-free (800) 848-4488 or your authorized HME dealer for more information.

About HME
HME Electronics, Inc. (HME) is the leading provider of customer-focused solutions for quick service restaurants. Our wireless communication systems, drive-thru timers, security systems, and service programs have helped businesses worldwide improve operations and increase profits. Incorporated in 1971, HME develops, manufactures, markets and services a comprehensive line of drive-thru solutions in over 30 countries worldwide.

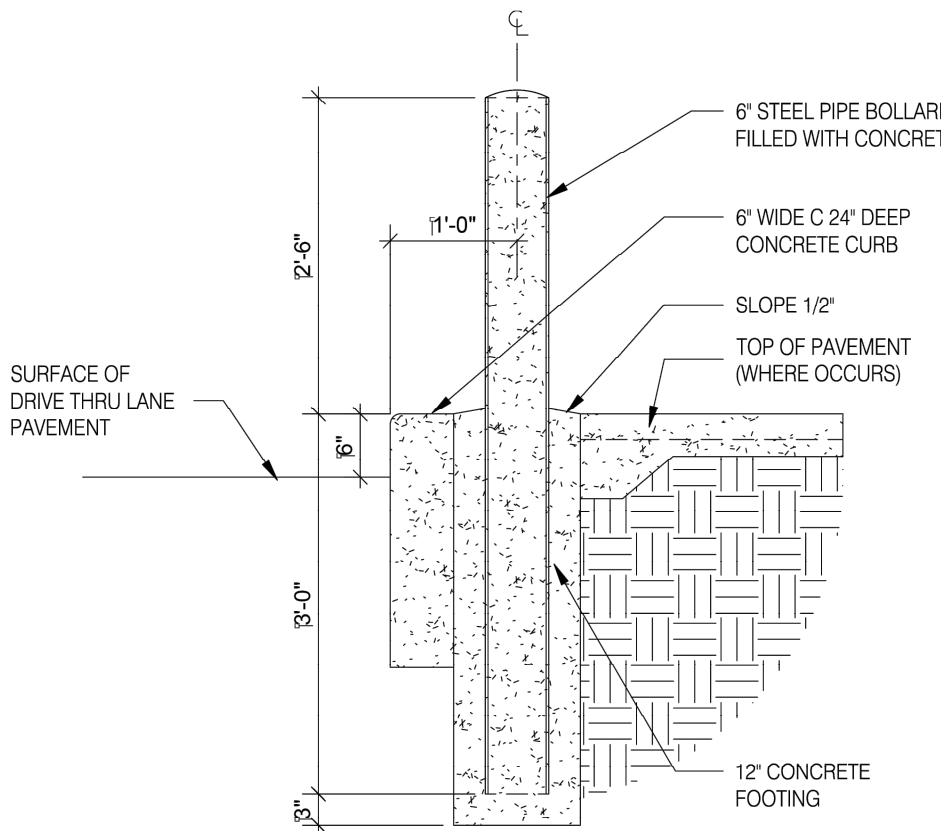


FLANDERS, NJ

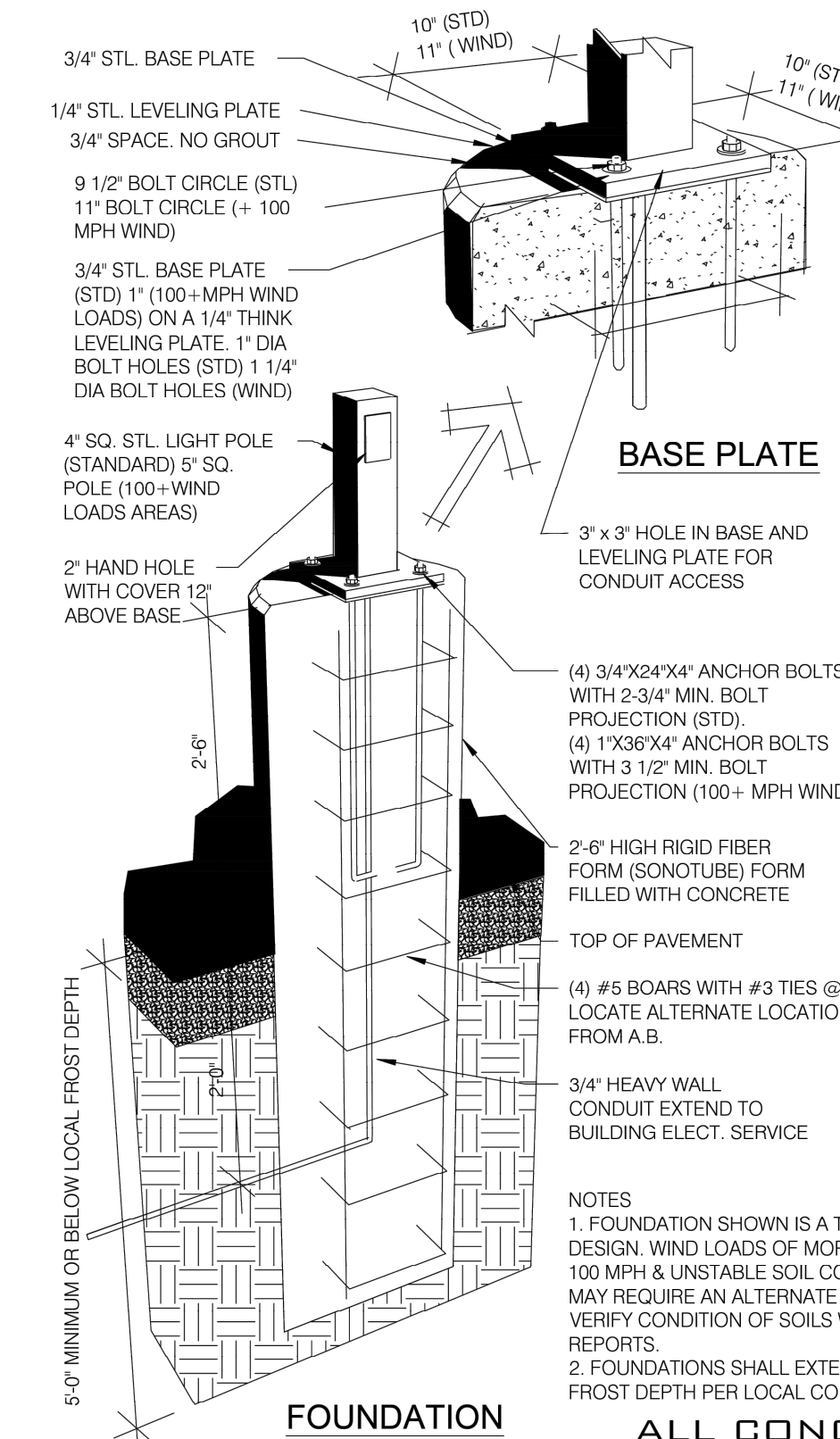
NO.		DATE		DESCRIPTION	
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT SITE SIGNAGE DETAILS BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68					
TOWNSHIP OF MOUNT OLIVE		MORRIS COUNTY, NEW JERSEY			
		EAST POINT ENGINEERING, LLC		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180	
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800		DATE: 12-02-22		PROJECT NUMBER: 22-166	
SCALE: N/A		CHECKED BY: BNP		SHEET NO. 14 OF 16	
MARC S. LEBERSON, P.E. N.J. PROFESSIONAL ENGINEER, LICENSE NO. 24604452400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 33100589600		DATE: 12-02-22			



CANOPY AND SPEAKER FOOTING N.T.S. 9



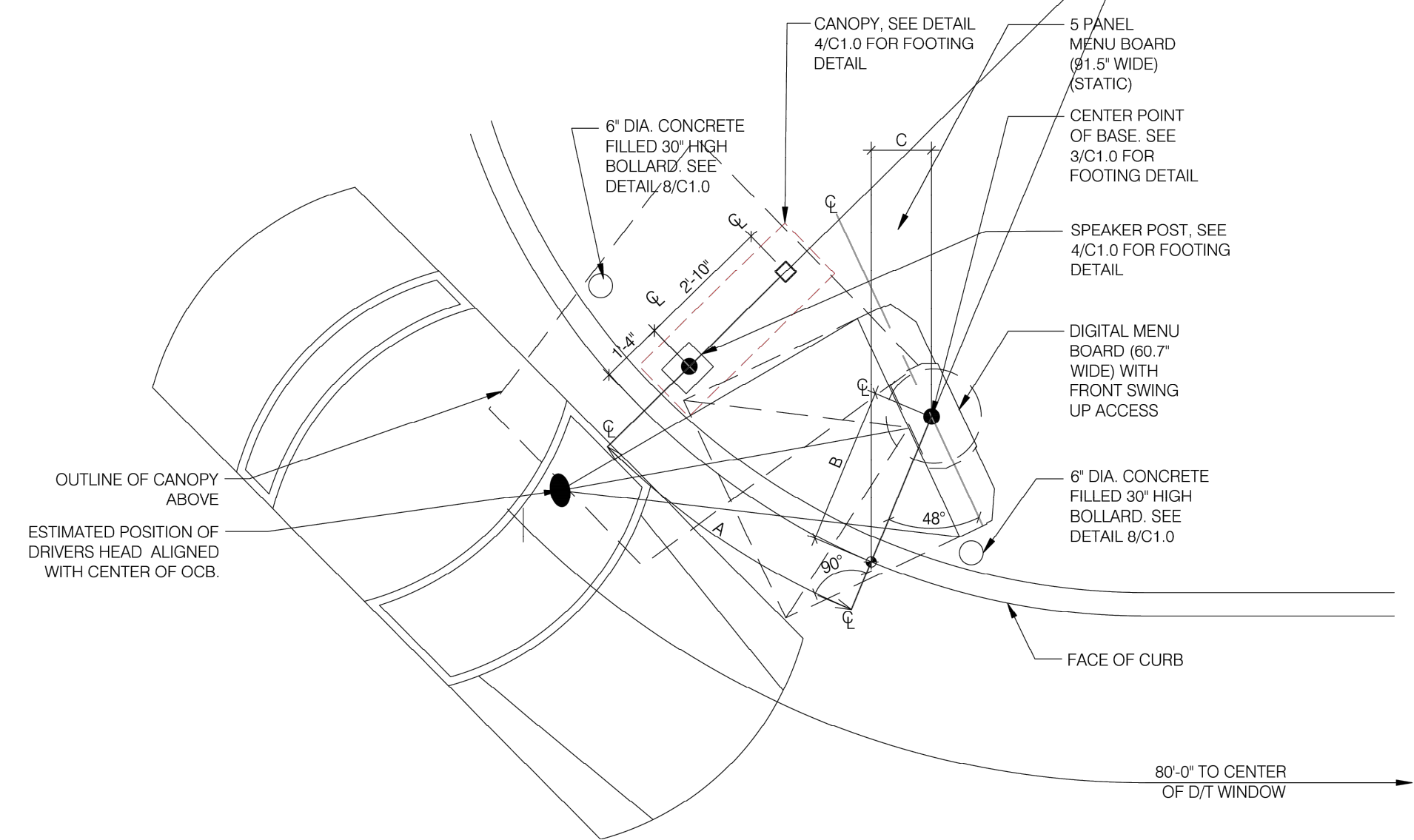
BOLLARD AT DRIVE THROUGH N.T.S. 8



LIGHT POLE FOOTING N.T.S. 7

- NOTES
1. ALL AREAS OF THE MB MUST BE VISIBLE TO DRIVER LOCATED AT SPEAKER POST. ASSUME DRIVERS LOCATION IS 24" FROM FACE OF CURB, CENTERED ON SPEAKER POST.
 2. CENTER OF MB TO BE 5'-6" TO 9'-0" FROM DRIVERS POINT OF VIEW.
 3. PROVIDE (2) 1" CONDUITS FROM BUILDING TO SPEAKER POST FOR LOW VOLTAGE WIRING

CORNER DIMENSIONS				
RADIUS	A	B	C	MENU BRD DEG TILT
16'-0"	6'-3"	9'-3"	1'-3"	48°
18'-0"	5'-10"	3'-6"	1'-7"	52°
20'-0"	6'-11"	3'-7"	1'-9"	64°



ENLARGED MENU BOARD DETAIL @ CURVED CURB 3/8" = 1'-0" 6

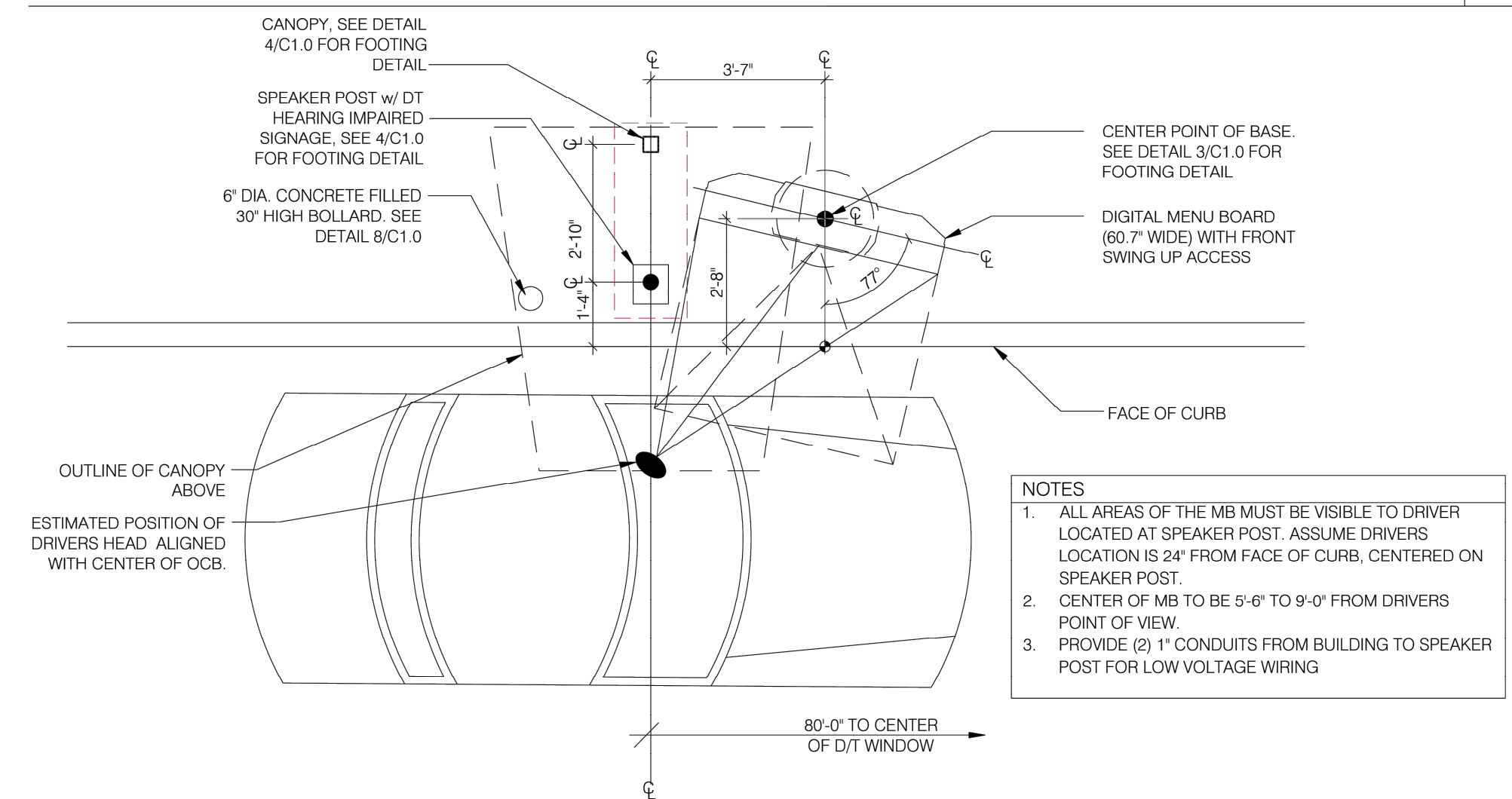
- SOW FOR DMB INSTALL AND VENDORS
- RSCS TO SUPPLY DMB AND CABLE
 - SIGN VENDOR TO SUPPLY ANCHOR BOLTS AND BOLT PATTERN TO GC.
 - SITE SURVEY - SIGN VENDOR
- NEW BUILD
1. TRENCHING/ CONDUIT - GC
 2. FORMING/ FOUNDATION/ ANCHOR BOLTS - GC
 3. DMB INSTALL - SIGN VENDOR
 4. DMB CABLE PULL - SIGN VENDOR
 5. DMB FINAL CONNECTION AND SYSTEM CHECK - SIGN VENDOR
 6. ELECTRICAL - PULL BY GC - DEDICATED CIRCUIT

- REMODEL (SUCCESSOR MANDATORY - MIDTERM OPTIONAL FOR FZ)
1. EXISTING FOOTING (SKIP TO STEP 4) - SIGN VENDOR
 2. TRENCHING/ CONDUIT - SIGN VENDOR
 3. FORMING/ FOUNDATION/ ANCHOR BOLTS (SKIP TO STEP 5) - SIGN VENDOR
 4. ANCHOR BOLTS - SIGN VENDOR
 5. DIGITAL MD INSTALL - SIGN VENDOR
 6. DMB CABLE PULL - SIGN VENDOR
 7. DMB FINAL CONNECTION AND SYSTEM CHECK - SIGN VENDOR

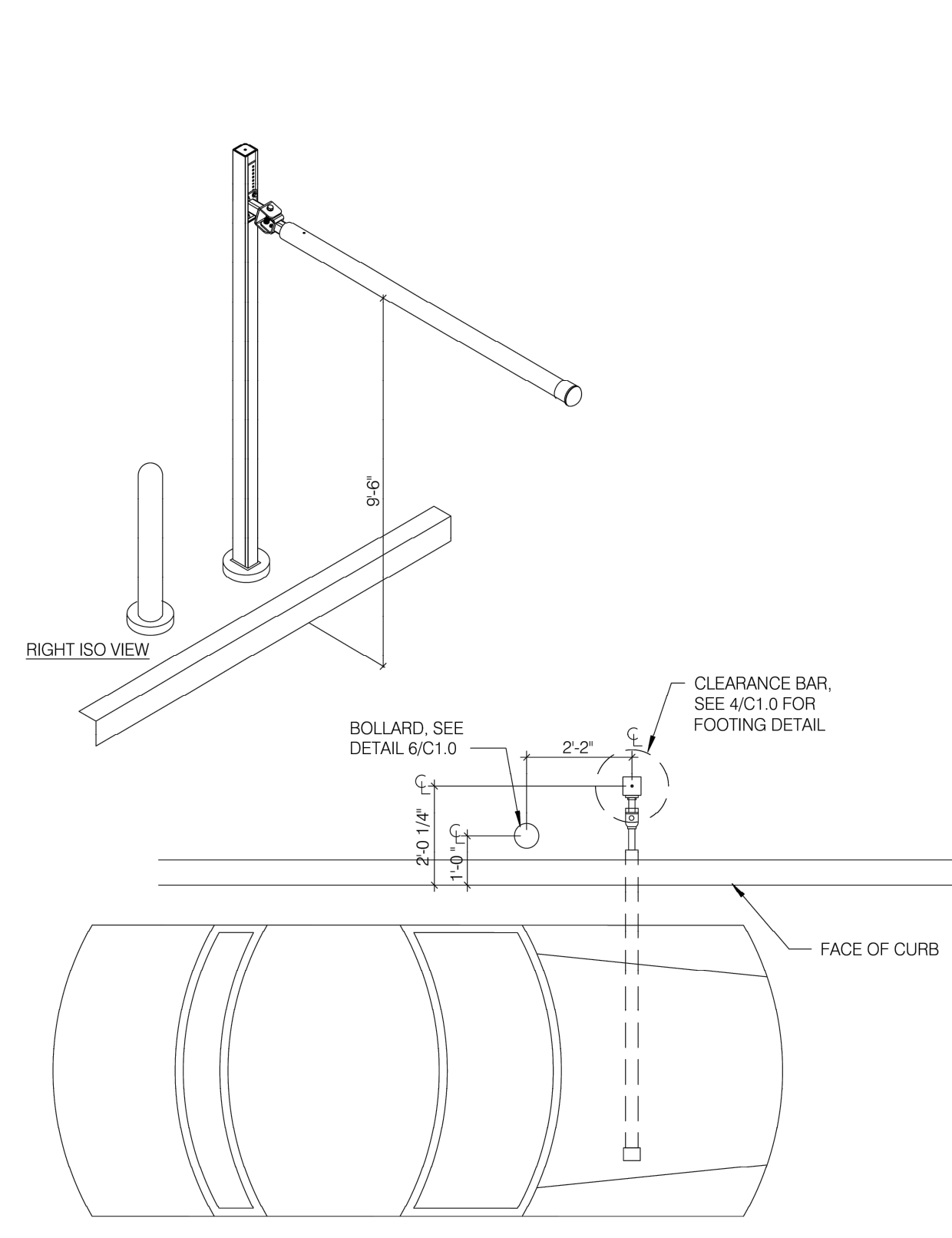
- JUST DMB INSTALL
0. PERMITTING - SIGN VENDOR
 1. EXISTING FOOTING (SKIP TO STEP 4) - SIGN VENDOR
 2. TRENCHING/ CONDUIT - SIGN VENDOR
 3. FORMING/ FOUNDATION/ ANCHOR BOLTS (SKIP TO STEP 5) - SIGN VENDOR
 4. ANCHOR BOLTS - SIGN VENDOR
 5. DIGITAL MD INSTALL - SIGN VENDOR
 6. DMB CABLE PULL - SIGN VENDOR
 7. DMB FINAL CONNECTION AND SYSTEM CHECK - SIGN VENDOR

	REMODEL	NEW BUILDING	RETROFIT
FOUNDATION IS FURTHER THAN 6'	RECOMMEND NEW FOUNDATION WORK FOUNDATION PERFORMED BY GC	N/A	RECOMMEND NEW FOUNDATION WORK PERFORMED BY GC
USING EXISTING FOUNDATION (ALTHOUGH NOT RECOMMENDED)	-	N/A	-
INTEGRATED CANOPY EXISTS	-	N/A	-
BOLLARDS NEEDED - DO NOT PLACE IN FRONT OF MENUBOARD	WORK PERFORMED BY SIGNAGE INSTALLER	WORK PERFORMED BY SIGNAGE INSTALLER	WORK PERFORMED BY SIGNAGE INSTALLER

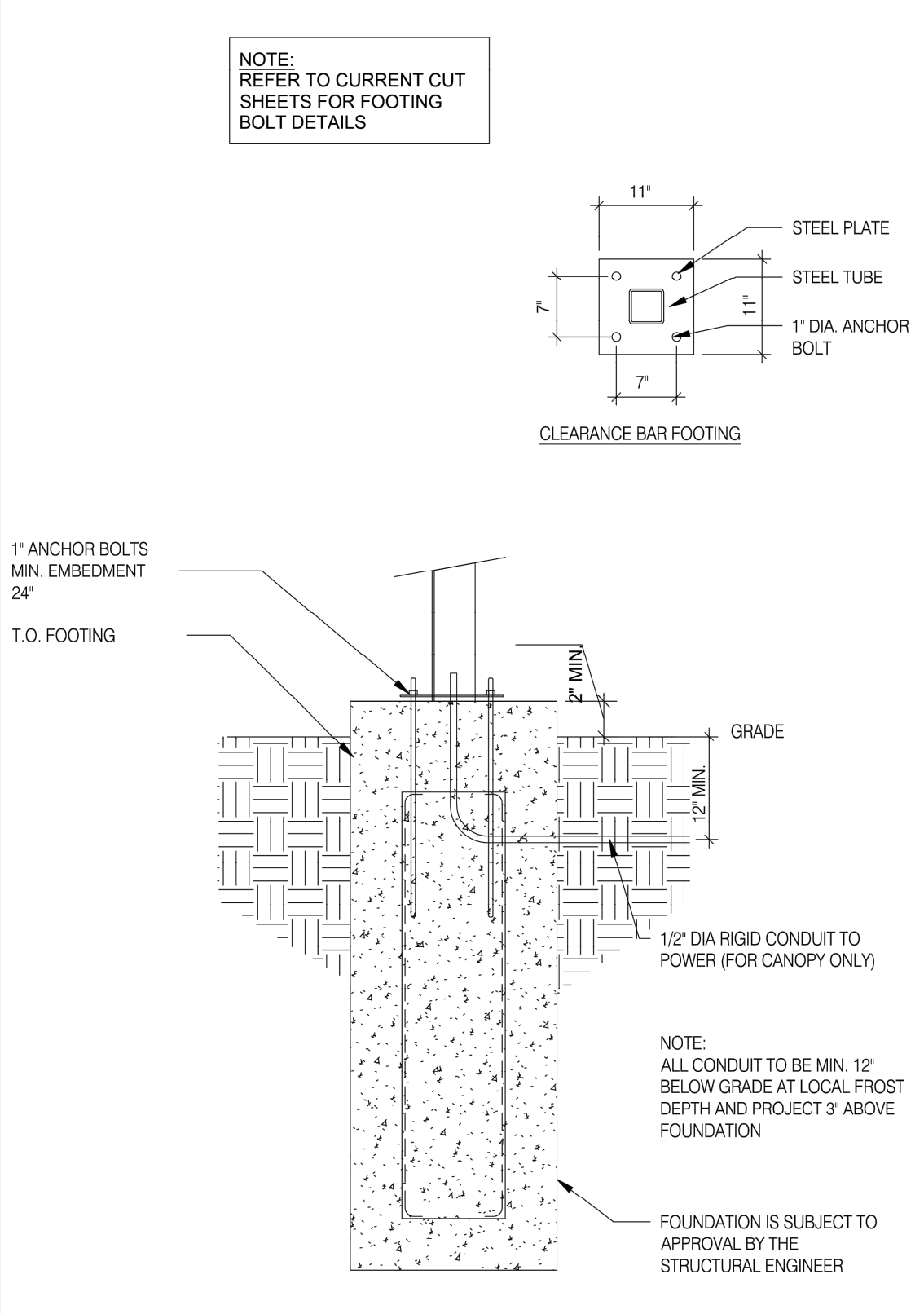
MENU BOARD SOW 1



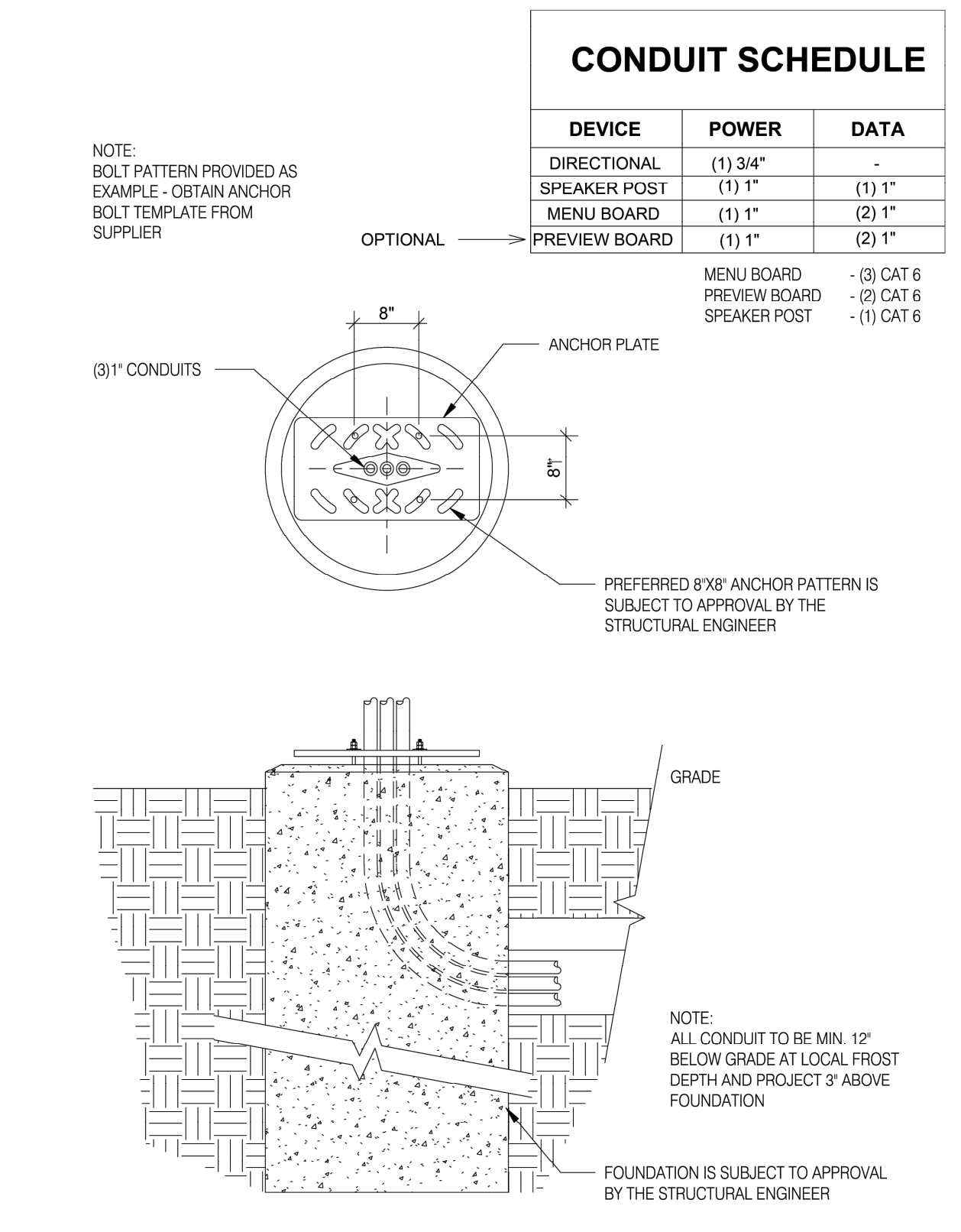
ENLARGED MENU BOARD DETAIL @ STRAIGHT CURB 3/8" = 1'-0" 2



PORTAL PLACEMENT DETAIL N.T.S. 5



CLEARANCE BAR FOOTING N.T.S. 4

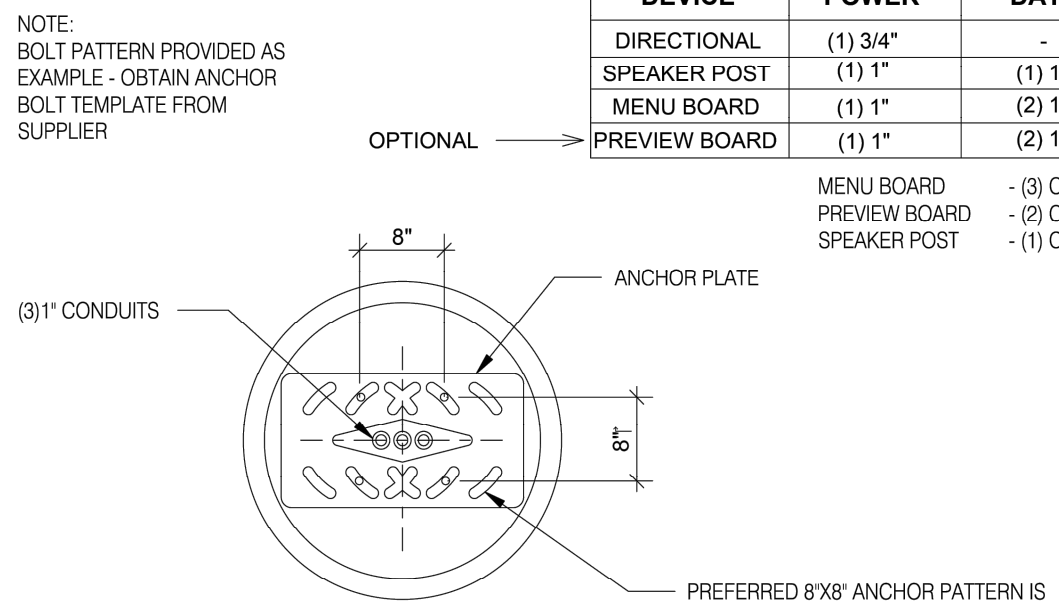


MENU FOUNDATION N.T.S. 3

CONDUIT SCHEDULE

DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
SPEAKER POST	(1) 1"	(1) 1"
MENU BOARD	(1) 1"	(2) 1"
PREVIEW BOARD	(1) 1"	(2) 1"

- MENU BOARD - (3) CAT 6
PREVIEW BOARD - (2) CAT 6
SPEAKER POST - (1) CAT 6



- NOTE: ALL CONDUIT TO BE MIN. 12" BELOW GRADE AT LOCAL FROST DEPTH AND PROJECT 3" ABOVE FOUNDATION

PRELIMINARY & FINAL MAJOR SITE PLAN
292 ROUTE 206 - TACO BELL RESTAURANT
DRIVE-THRU ORDER STATION DETAILS
BLOCK 6800, LOT 5
TAX MAP SHEET NO. 68
TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY

EAST POINT
ENGINEERING, LLC
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800
11 South Main Street
Marlboro, NJ 07746
Tel: 732.577.0180

DATE: 12-02-22 PROJECT NUMBER: 22-166
SCALE: N/A CHECKED BY: BNP
DATE: 12-02-22
N.J. PROFESSIONAL ENGINEER NO. 24604452400
N.J. PROFESSIONAL PLANNER, LICENSE NO. 33100589600

SHEET NO. 15 OF 16

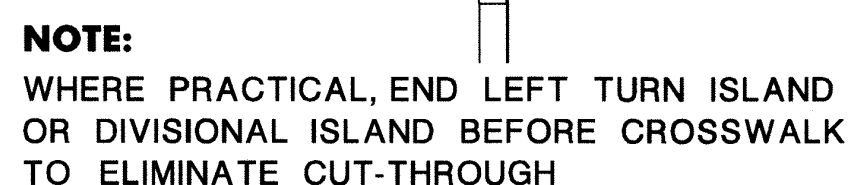


(CROSSING PARALLEL TO HIGHWAY ONLY)

CURB RAMP TYPE 2, 5 OR 6	
H INCHES	W FEET
3	3
4	4
5	5
6	6
7	7
8	8
9	9



CURB RAMP TYPE 6



PREFERRED TREATMENT

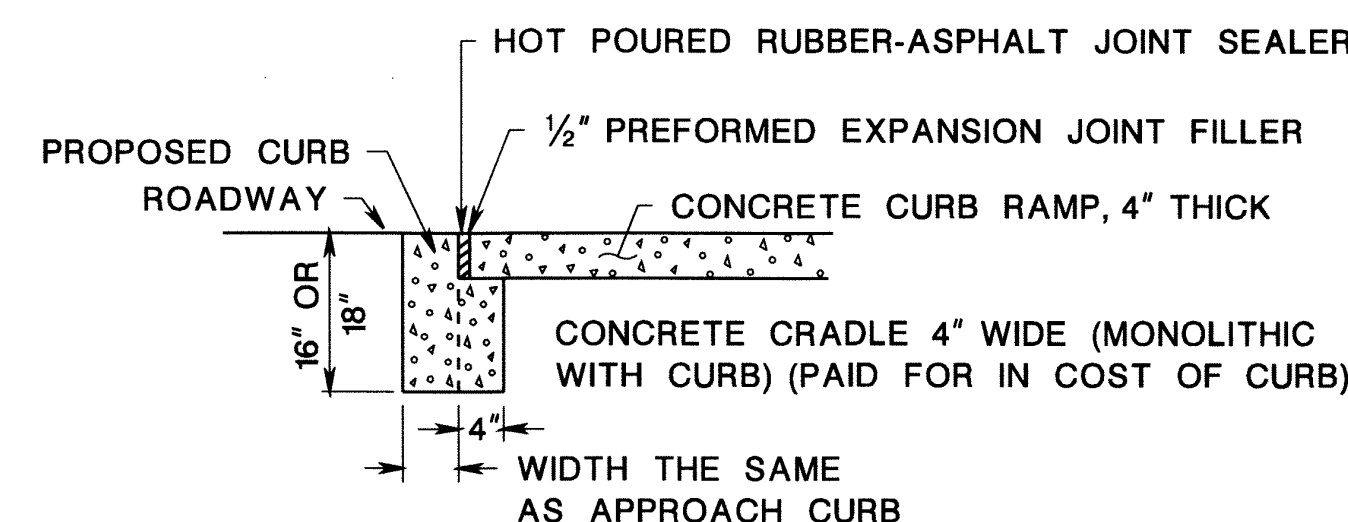


SECTION C-C

1. LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
2. DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP.
3. CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS.
4. FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
5. SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
6. CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
7. WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
8. CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
9. PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
10. DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.

NOTE:



4' WIDE OPENING TO BE FLUSH
WITH ROADWAY PAVEMENT



CD-606-1.2

N.T.S.

HMA = HOT MIX ASPHALT

NO.	DATE	DESCRIPTION	
<p align="center">PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT PUBLIC SIDEWALK CURB RAMP DETAILS</p> <p align="center">BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68</p>			
TOWNSHIP OF MOUNT OLIVE		MORRIS COUNTY, NEW JERSEY	
 <div style="text-align: center;"> <h1>EAST POINT</h1> <h2>ENGINEERING, LLC</h2> <p>NEW JERSEY CERTIFICATE OF AUTHORIZATION No. 246A28169800</p> </div>		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180	
 MARD S. LEBER N.J. PROFESSIONAL ENGINEER LICENSE NO. 24GEO44524D0		DATE: 12-02-22 SCALE: N/A	PROJECT NUMBER: 22-166 CHECKED BY: BNP
		SHEET NO. 16 OF 16	

* TYPE 3 RAMP IS NOT APPLICABLE, USE TYPE 1. ** TYPE 4 RAMP IS NOT APPLICABLE, USE TYPE 2.