

PRELIMINARY & FINAL MAJOR SITE PLAN

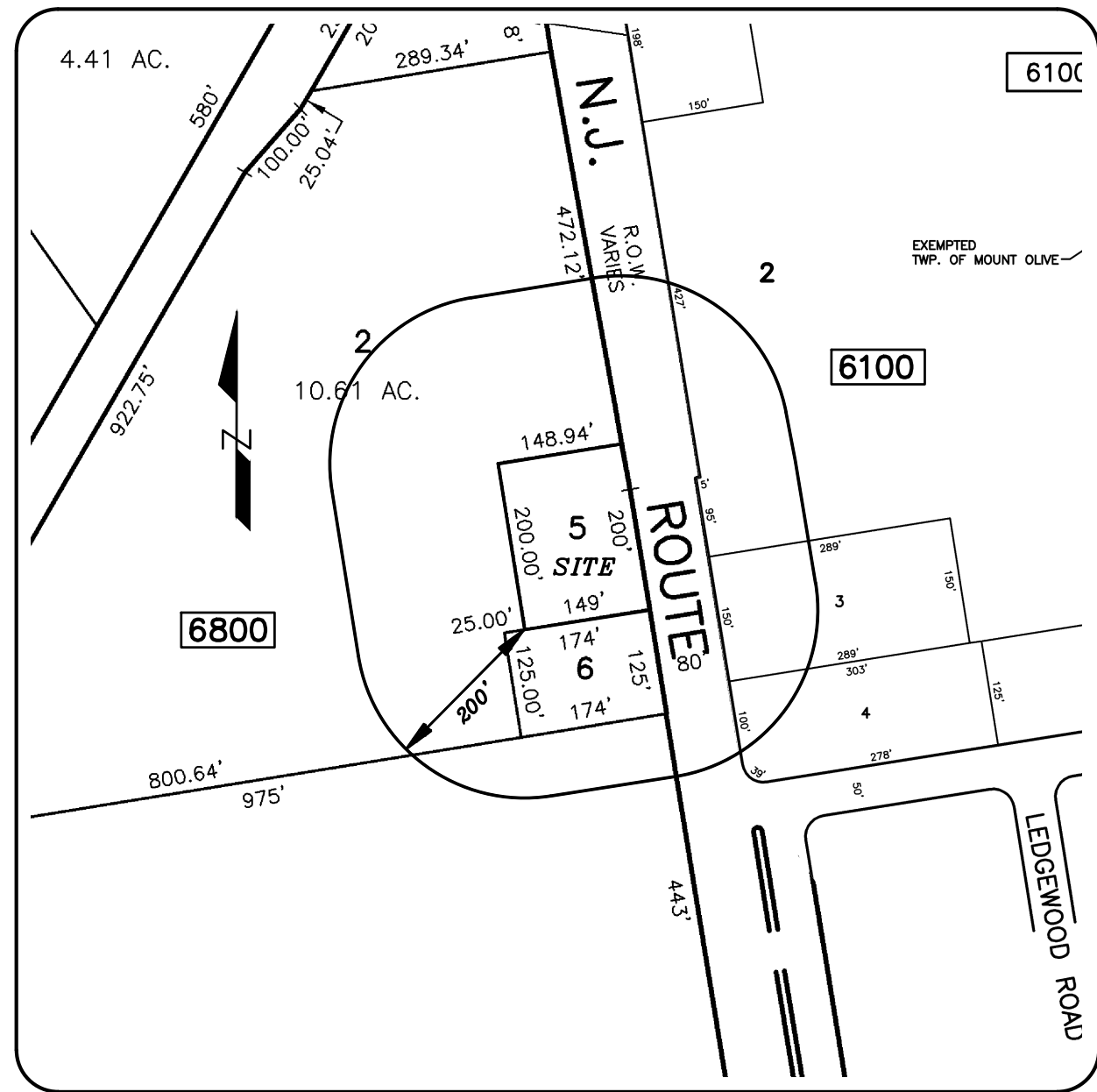
292 N.J.S.H. ROUTE 206

"TACO BELL"

BLOCK 6800, LOT 5

TOWNSHIP OF MOUNT OLIVE

MORRIS COUNTY, NEW JERSEY



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

PROPERTY OWNERS WITHIN 200 FT

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 Pochette 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

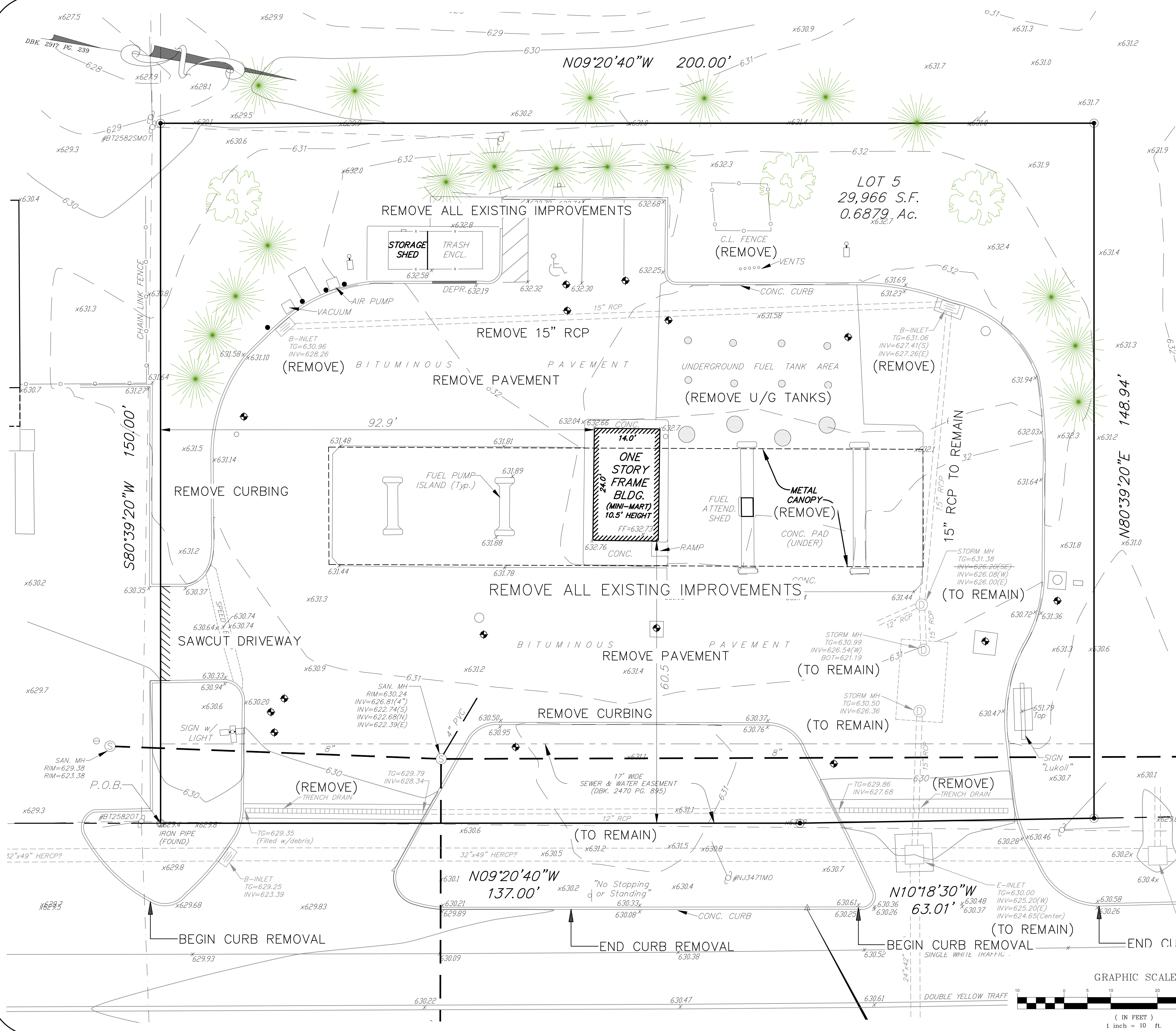
New Jersey - American Water Co. Inc
P.O. Box 5627
Cherry Hill, New Jersey 08034

Applied Wastewater Management
2 Clinco Lane
Hillsborough, NJ 08844

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

SEC. (2)(c)(1) 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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THE ABOVE PROPERTY LINES, WHICH THE STATE DEPARTMENT OF LANDS & WATER RESOURCES HAS RECORDED.



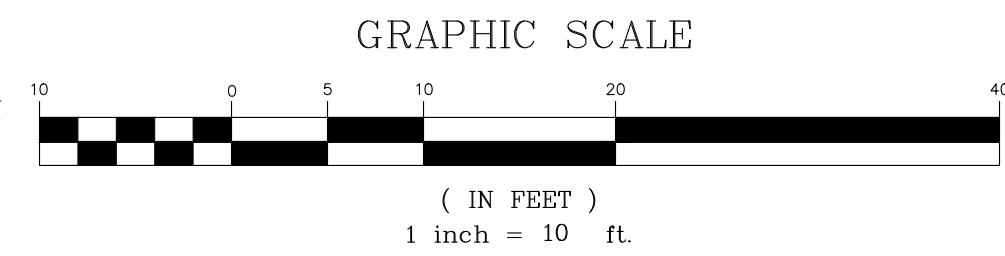
- ### DEMOLITION NOTES
- CLEARING SITE SHALL INCLUDE, BUT IS NOT LIMITED TO, THE REMOVAL OF ALL INDICATED STRUCTURES, FOUNDATIONS, DEBRIS, RUBBLE, FENCES, TREES, STUMPS, EXISTING UTILITIES, UNSUITABLE MATERIALS, PAVEMENT, CONCRETE, AND SIGNAGE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL 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 ON-SITE SUITABLE SOIL SHALL BE EXCAVATED, TRANSPORTED, SPREAD, GRADED, AND COMPACTED AS INDICATED BY THE PROPOSED GRADES. ALL EARTHWORK OPERATIONS INVOLVING ON-SITE SOILS SHALL BE COMPLETED PRIOR TO IMPORTING ANY OFF-SITE 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. 245A28169800		
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: 12-02-22		SHEET NO. 2 OF 16

MARC S. LEBER
N.J. PROFESSIONAL ENGINEER, LICENSE NO. 245604452400
N.J. PROFESSIONAL PLANNER, LICENSE NO. 331005899800



N09°20'40"W 200.00'

PROPOSED 6" STEEL BOLLARD (TYP. x8)

SHADED AREA DESIGNATES 12' WIDE CONCRETE SURFACE

SITE IMPROVEMENT NOTES

- 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.
- 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.
- ALL PARKING STALLS TO BE 9' x 18' UNLESS OTHERWISE NOTED ON THE PLANS.
- 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.
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE MUNICIPAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.
- DEPRESSED CURBS AT ALL CURB RAMPS SHALL BE CONSTRUCTED OUT OF CONCRETE AND INCLUDE A DETECTABLE WARNING SURFACE.
- A KNOX BOX SHALL BE PROVIDED AT THE BUILDING ENTRANCE FOR FIRE DEPARTMENT ACCESS.
- 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.
- REFER TO ARCHITECTURAL PLANS PREPARED BY WIENER ARCHITECTURE GROUP, LLC FOR BUILDING CONSTRUCTION INFORMATION.
- ALL ROOFTOP EQUIPMENT SHALL BE SCREENED FROM VIEW AND THE SCREEN SHALL LIMIT NOISE FROM BEING DIRECTED TOWARDS ADJOINING PROPERTIES.
- ALL CURB RADII ARE MEASURED TO THE FACE OF CURB.
- 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

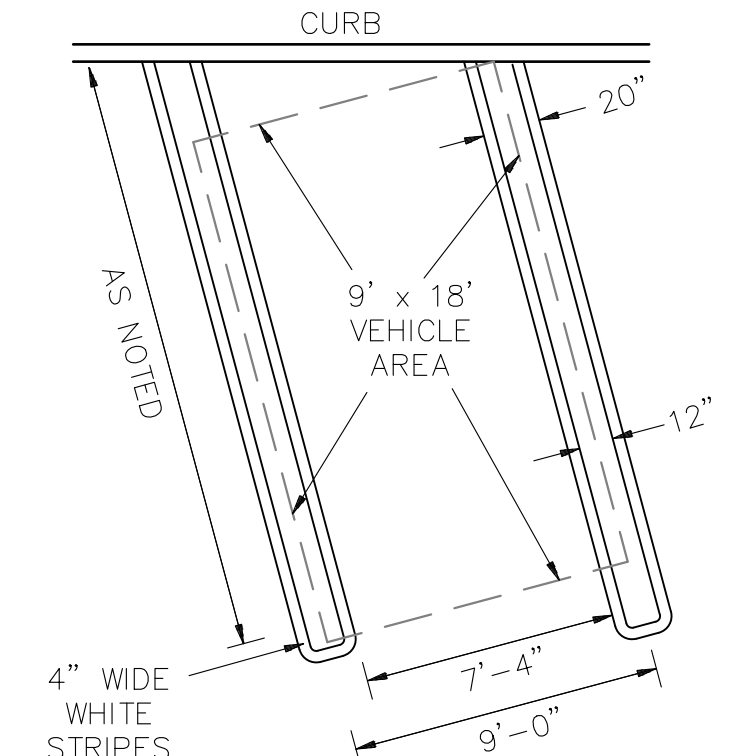
HANDICAP STALL LINES - 4" WIDE SOLID BLUE LINE

HANDICAP HATCH LINES - 4" WIDE SOLID BLUE LINE - SPACED 3' O.C. - ANGLED 45° TO PARKING DIRECTION

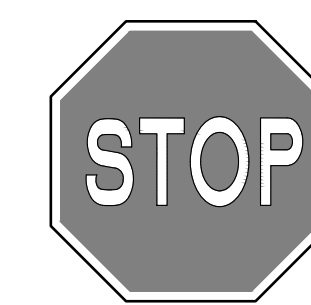
NO PARKING HATCH LINES - 4" WIDE SOLID YELLOW LINE - SPACED 3' O.C. - ANGLED 45° TO PARKING DIRECTION

NOTES:

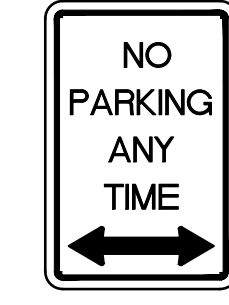
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
- ALL CONFLICTING SIGNS, TRAFFIC AND OTHER OBSTRUCTIONS SHALL BE REMOVED AS PART OF THIS CONSTRUCTION.
- ALL STRIPING TO BE REMOVED SHALL BE GROUND OFF WITHOUT DAMAGE TO THE PAVEMENT STRUCTURE.
- UNLESS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



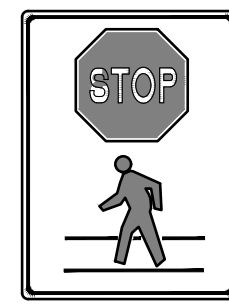
PARKING STALL HAIRPIN STRIPING DETAIL N.T.S.



R1-1 30" x 30"



R7-1 12" x 18"



R9-9A 18" x 24"



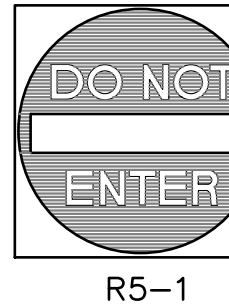
R7-8 12" x 18"



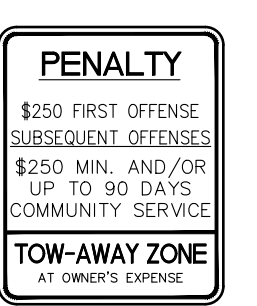
R4-7 18" x 24"



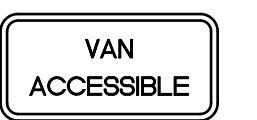
SIGN 'B' 12" x 18"



R5-1 30" x 30"



R7-8P 10" x 12"



R7-8A 12" x 6"

TRAFFIC SIGNAGE

N.T.S.

A.D.A. SIGNAGE

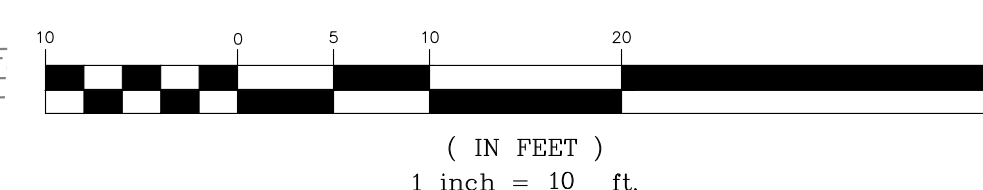
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NO.	DATE	DESCRIPTION
<p>PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT SITE LAYOUT PLAN / NJDOT PERMIT PLAN BLOCK 6800, LOT 5 TAX MAP SHEET NO. 68</p>		
<p>TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY</p>		
<p>EAST POINT ENGINEERING, LLC NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800</p>		
<p>11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180</p>		
DATE:	12-02-22	PROJECT NUMBER:
SCALE:	1" = 10'	CHECKED BY:
DATE:	12-02-22	BNP
<p>MARC S. LEBER N.J. PROFESSIONAL ENGINEER, LICENSE NO. 24604452400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 331005899800</p>		
<p>SHEET NO. 3 OF 16</p>		

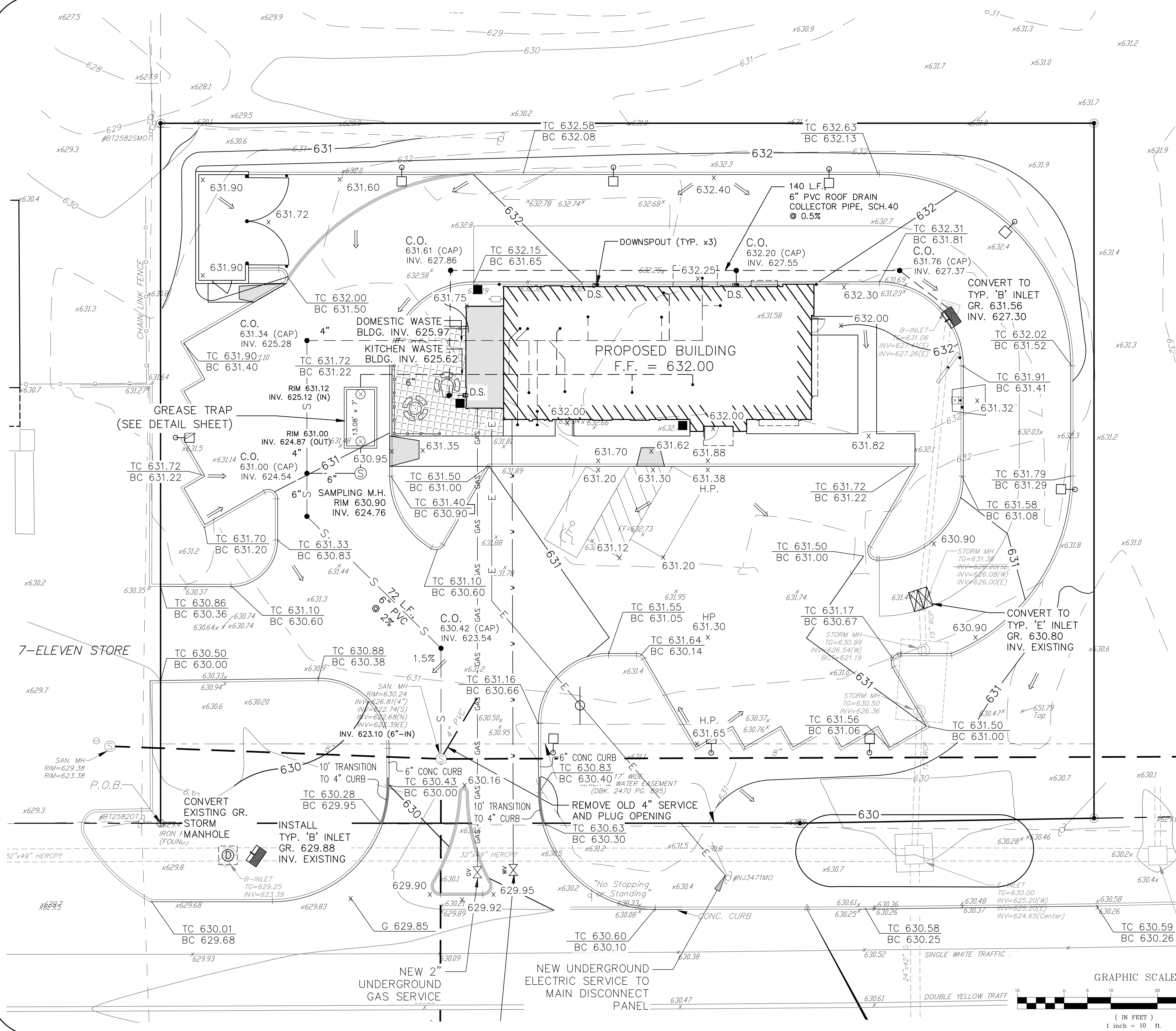
NOTE: LEFT EDGE CLEARANCE IS 0'

NEW ASPHALT DRIVEWAYS

GRAPHIC SCALE



(IN FEET)
1 inch = 10 ft.



- 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 TESTED 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.



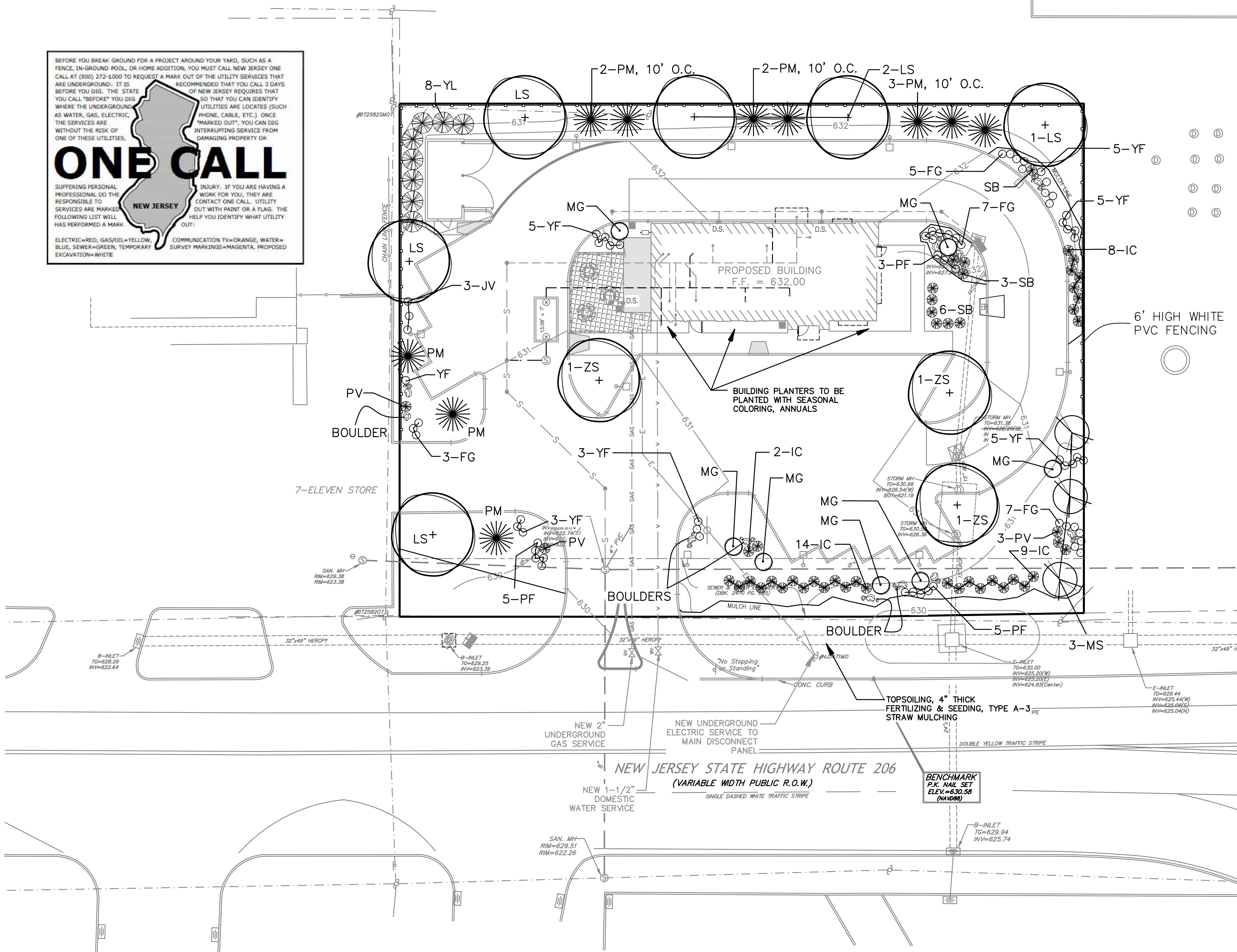
NO.	DATE	DESCRIPTION
PRELIMINARY & FINAL MAJOR SITE PLAN		
292 N.J.S.H. ROUTE 206 - TACO BELL RESTAURANT		
GRADING & UTILITY PLAN		
BLOCK 6800, LOT 5		
TAX MAP SHEET NO. 68		
TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY		
11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180		
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 24602169800		
DATE: 12-02-22 PROJECT NUMBER: 22-166		
SCALE: 1" = 10' CHECKED BY: BNP		
SHEET NO. 4 OF 16		

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BEFORE YOU BREAK GROUND FOR A PROJECT AROUND YOUR YARD, SUCH AS A FENCE, IN-GROUND POOL, OR HOME ADDITION, YOU MUST CALL NEW JERSEY ONE CALL AT (800) 272-2000 TO REQUEST A MARK OUT OF THE UTILITY SERVICES THAT ARE UNDERGROUND. IT IS RECOMMENDED THAT YOU CALL 3 DAYS BEFORE YOU DIG. THE STATE OF NEW JERSEY REQUIRES THAT YOU CALL "BEFORE" YOU DIG SO THAT YOU CAN IDENTIFY WHERE THE UNDERGROUND UTILITIES ARE LOCATED (SUCH AS WATER, GAS, ELECTRIC, PHONE, CABLE, ETC.). ONCE YOU CALL "BEFORE" YOU DIG, THE SERVICES ARE MARKED OUT WITH PAINT OR A FLAG. THE FOLLOWING LIST WILL HELP YOU IDENTIFY WHAT UTILITY OUT: ELECTRIC=RED, GAS/OIL=YELLOW, BLUE, SEWER=GREEN, TEMPORARY EXCAVATION=WHITE. COMMUNICATION TV=ORANGE, WATER= SURVEY MARKING=MAGENTA, PROPOSED EXCAVATION=WHITE.

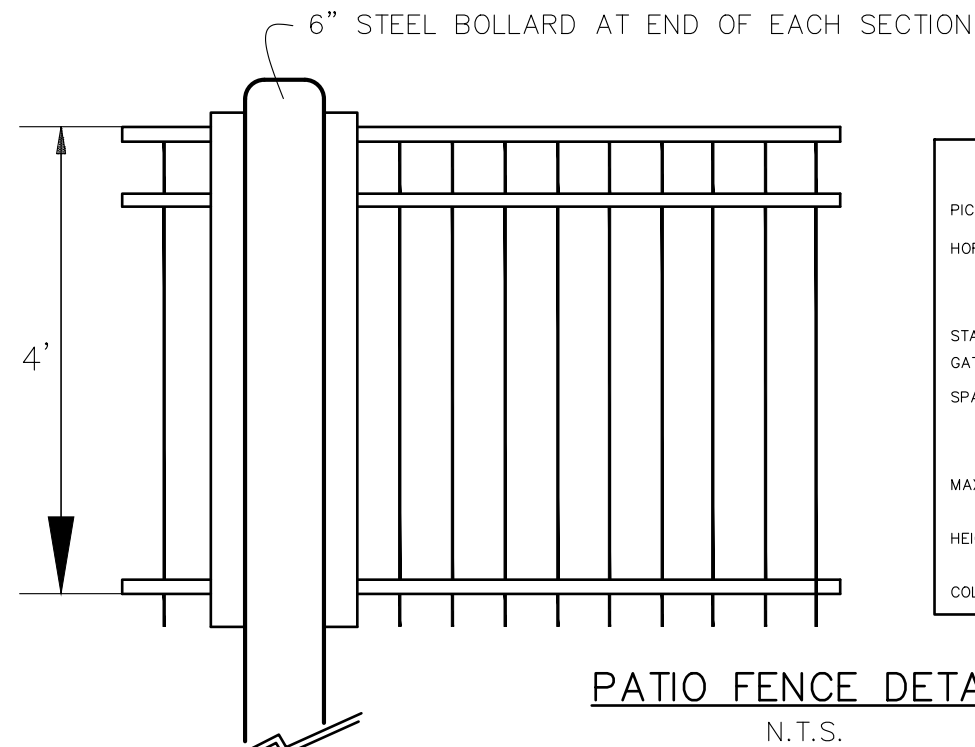
ONE CALL

NEW JERSEY

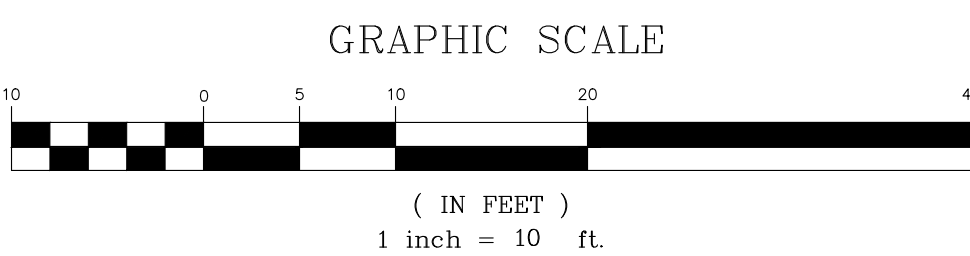
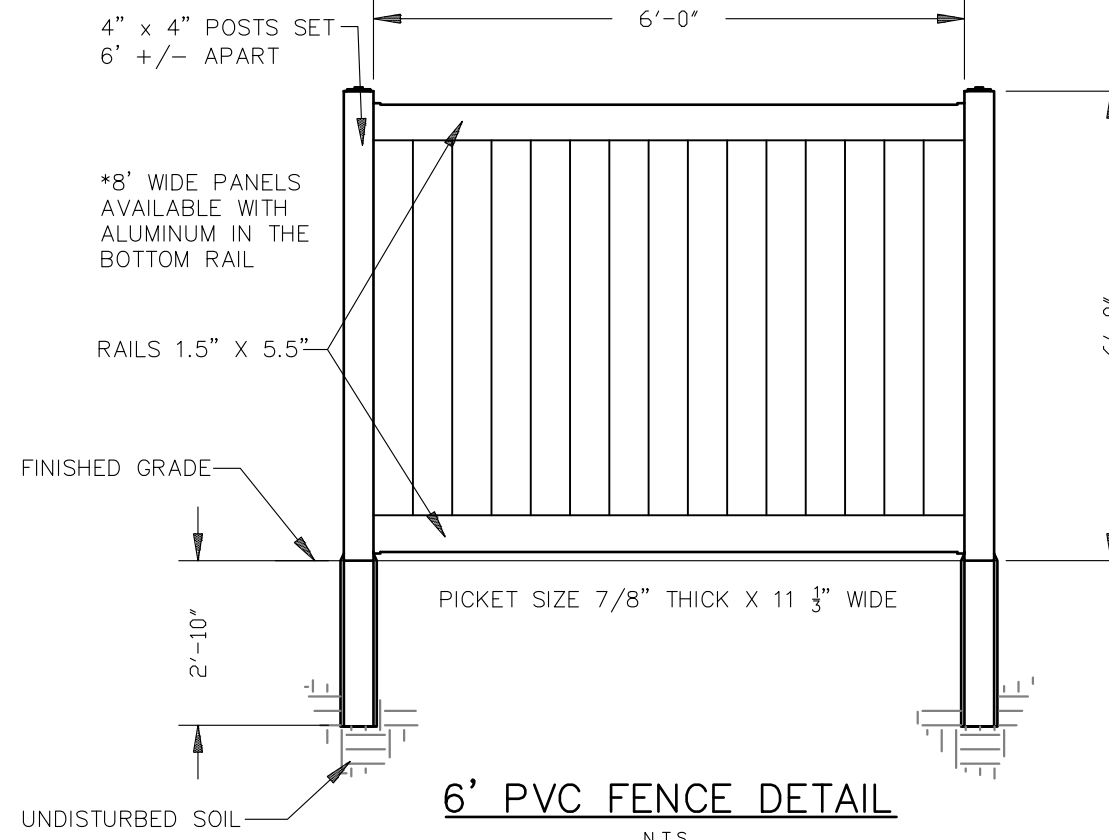


SCHEDULE OF PLANTING MATERIALS

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS TREES					
LS	6	LIQUIDAMBAR STYRACIFLUA 'ROTUNDILOBA'	SEEDLESS SWEETGUM	2.5"-3" CAL. 12'-15' HT.	B&B
ZS	3	ZELKOVA SERRATA	JAPANESE ZELKOVA	2.5"-3" CAL. 12'-15' HT.	B&B
EVERGREEN TREES					
PM	10	PICEA PUNGENS	COLORADO BLUE SPRUCE	5'-6" HT	B&B
YL	8	CUPRESSUS X LEYLANDII	LEYLAND CYPRESS	5'-6" HT	B&B
ORNAMENTAL TREES					
MS	3	MAGNOLIA STELLATA	STAR MAGNOLIA	8'-10' HT	B&B, MULTISTEMMED
SHRUBS					
IC	33	ILEX CRENATA 'HELLERI'	DWARF JAPANESE HOLLY	36" HT	# 3 CAN
JV	3	JUNIPERUS VIRGINIANA 'SKYROCKET'	SKYROCKET JUNIPER	4'-5" HT	# 5 CAN
PF	13	POTENTILLA FRUTICOSA 'GOLDFINGER'	BUSH CINQUEFOIL	18" HT	# 3 CAN, 18" HIGH
SB	10	SPIRAEA X BUMALDOA 'ANTHONY WATERER'	ANTHONY WATERER SPIRAEA	18" HT	# 3 CAN, 18" HIGH
YF	27	YUCCA FILAMENTOSA	ADAM'S NEEDLE	15-18" HT	# 3 CAN
ORNAMENTAL GRASSES					
FG	22	FESTUCA GLAUCA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE	12-15" HT	# 2 CAN
MG	7	MISCANTHUS SINENSIS 'GRACILIMUS'	CHINESE MAIDENGRASS	24-36" HT	# 3 CAN
PV	5	PANICUM VIRGATUM	SWITCHGRASS	15-18" HT	# 3 CAN



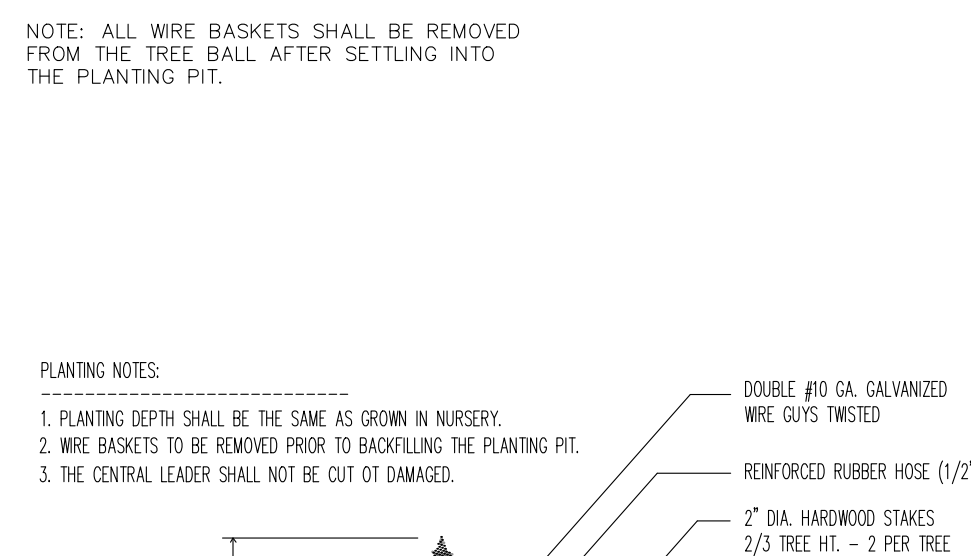
COMPONENT	
PICKETS	3/4" SQ. x 0.050 WALL
HORIZONTAL RAILS	1" x 1" 0.082 WALL
STANDARD POSTS	2" SQ. x 0.060 WALL
GATE POSTS	2" SQ. x 0.125 WALL
SPACING BETWEEN PICKETS	3 1/4" 1" TIGHTER SPACING
MAXIMUM POST SPACING	72" ON CENTER
HEIGHT	48"
COLOR	BLACK



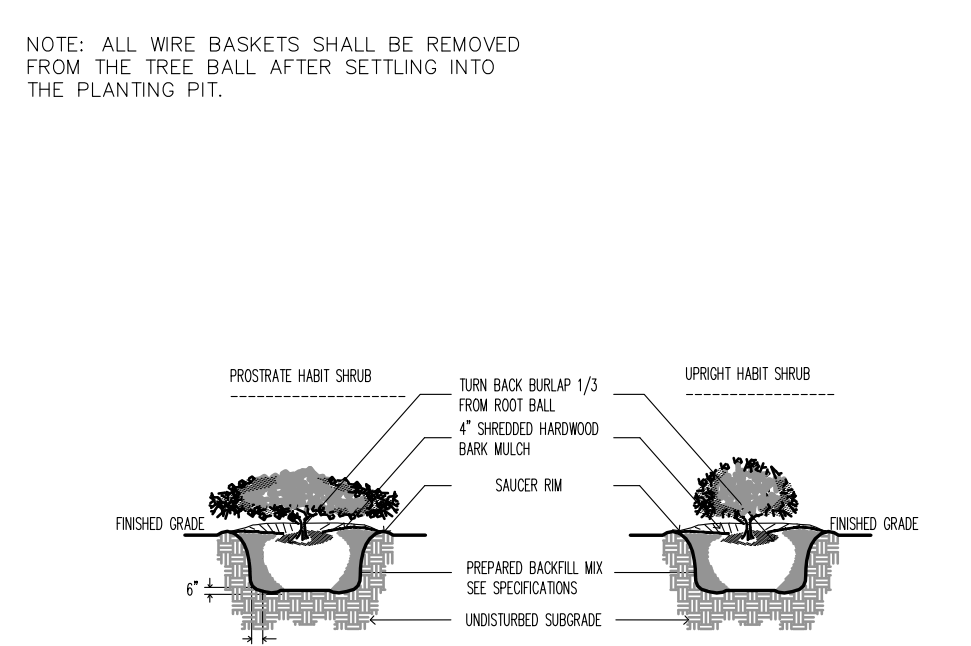
PLANTING NOTES

- THIS PLAN SHALL BE USED FOR LANDSCAPE PLANTING PURPOSES ONLY. EXAMINE ALL ENGINEERING DRAWINGS AND FIELD CONDITIONS FOR SPECIFIC LOCATIONS OF UTILITIES, STRUCTURES, ETC. AND NOTIFY THE UNDERSIGNED IN REFERENCE TO ANY DISCREPANCIES OR LOCATION CONFLICTS PRIOR TO PLANTING INSTALLATION.
- ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN OR THE PLANT MATERIAL WILL BE UNACCEPTABLE. ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY, SIZE AND BE CERTIFIED DISEASE AND INSECT FREE.
- NO PLANT SUBSTITUTIONS SHALL BE PERMITTED WITH REGARDS TO SIZE, SPECIES, VARIETY, ETC. WITHOUT WRITTEN PERMISSION OF THE THE UNDERSIGNED OR TOWNSHIP OFFICIALS. WRITTEN PROOF OF PLANT MATERIAL UNAVAILABILITY MUST BE DOCUMENTED.
- THE LOCATION OF ALL PLANT MATERIAL INDICATED ON THE LANDSCAPE PLANS IS APPROXIMATE. THE FINAL LOCATION OF ALL PLANT MATERIAL AND PLANTING BED LINES SHALL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT. NO SHADE TREE, STREET TREE, ORNAMENTAL FLOWERING TREE OR EVERGREEN TREE SHALL BE PLANTED CLOSER THAN 5' FROM ANY SIDEWALK, DRIVEWAY, CURB OR UTILITY LOCATION, OR WITHIN 10' OF A SEPTIC FIELD, UNLESS SPECIFICALLY DIMENSIONED ON THE LANDSCAPE PLAN.
- ALL STREET TREES AND SHADE TREES PLANTED NEAR PEDESTRIAN OR VEHICULAR ACCESS SHOULD NOT BE BRANCHED LOWER THAN 7'-0" ABOVE GRADE. ALL PLANT MATERIAL LOCATED WITHIN ANY SIGHT TRIANGLE EASEMENTS SHALL NOT EXCEED A MATURE HEIGHT OF 30' ABOVE THE ELEVATION OF THE ADJACENT CURB. ALL STREET TREES PLANTED IN ANY SIGHT TRIANGLE EASEMENTS SHALL BE PRUNED AS MENTIONED ABOVE.
- THE PLANTING PLAN SHALL TAKE PRECEDENCE OVER THE PLANT SCHEDULE SHOULD ANY PLANT QUANTITY DISCREPANCIES OCCUR.
- ALL PLANT MATERIAL SHALL BE PROPERLY GUYED, STAKED, WRAPPED AND PLANTED IN CONFORMANCE WITH THE TYPICAL PLANTING DETAILS. GUY WIRES SHALL BE ATTACHED TO THE TREE AT A HEIGHT OF TWO-THIRDS TREE AND SHOULD BE LOCATED AT POINTS SO NOT TO SPLIT THE TRUNKS OF MULTI-STEMMED TREES. UNLESS OTHERWISE NOTED, PROVIDE THREE TREE STAKES PER TREE. INSTALL ALL PLANT MATERIAL ON UNDISTURBED GRADE. PROVIDE BURLAP WRAPPING WITH BARK OVERLAP. CUT AND REMOVE BURLAP FROM TOP ONE-THIRD OF THE ROOT BALL.
- PROVIDE PLANTING PITS AS INDICATED ON THE PLANTING DETAILS. BACKFILL PLANTING PITS WITH ONE PART EACH OF TOPSOIL, PEAT MOSS AND PARENT MATERIAL. IF WET SOIL CONDITIONS EXIST THEN PLANTING PITS SHALL BE EXCAVATED AN ADDITIONAL 12" AND FILLED WITH SAND.
- ALL PLANT MATERIAL SHALL BEAR THE SAME RELATION TO FINISHED GRADE AS IT BORE TO EXISTING GRADE.
- NEWLY INSTALLED PLANT MATERIAL SHALL BE WATERED AT THE TIME OF INSTALLATION. REGULAR WATERING SHALL BE PROVIDED TO ENSURE THE ESTABLISHMENT, GROWTH AND SURVIVAL OF ALL PLANTS.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR TWO (2) YEARS AFTER THE DATE OF FINAL ACCEPTANCE BY THE MUNICIPALITY.
- THE LANDSCAPE CONTRACTOR SHALL PROVIDE A MINIMUM 4" LAYER OF TOPSOIL IN ALL LAWN AREAS AND A MINIMUM OF 12" OF TOPSOIL IN ALL PLANTING AREAS. A FULL SOIL ANALYSIS SHALL BE CONDUCTED AFTER CONSTRUCTION AND PRIOR TO PLANTING TO DETERMINE THE EXTENT OF SOIL AMENDMENT REQUIRED.
- ALL DISTURBED LAWN AREAS SHALL BE STABILIZED WITH EITHER SOO OR SEED AS INDICATED ON THE LANDSCAPE PLAN. SEED SHALL BE A NEW JERSEY CERTIFIED MIXTURE OF EQUAL PARTS OF FESCUE, BERMUDA, AND CRYSTAL BERMUDA. SEED MIXTURE SHALL BE AS LISTED IN THE SEEDING SCHEDULE. ALL DISTURBED LAWN AREAS SHALL BE TOPSOILED, LIMED, FERTILIZED AND FINE GRADED PRIOR TO LAWN INSTALLATION.
- ALL PLANTING BEDS SHALL RECEIVE LANDSCAPE ROCK OR RIVER STONE. THE USE OF SHREDDED HARDWOOD BARK OR MULCH IS PROHIBITED.
- ALL EXISTING TREES AND SHRUBS TO BE PRESERVED ON SITE SHALL BE PROTECTED AGAINST CONSTRUCTION DAMAGE BY SNOW FENCING. ALL FENCING SHALL BE PLACED OUTSIDE THE INDIVIDUAL TREE CANOPY. ALL TREES TO REMAIN SHALL BE IDENTIFIED IN THE FIELD PRIOR TO COMMENCEMENT OF CONSTRUCTION, GRADING OR CLEARING. ALL EXISTING VEGETATION BEING PRESERVED AND LOCATED AT THE EDGE OF THE NEW TREE LINE SHALL BE PRUNED AND TRIMMED TO REMOVE ALL DEAD, DISEASED, OR DAMAGED BRANCHES.
- AN IRRIGATION SYSTEM IS PROPOSED.
- SHADE & STREET TREES SHOULD BE A MINIMUM OF 2.5"-3" CALIPER AND 12'-15' IN HEIGHT.
- ORNAMENTAL TREES SHOULD BE 8' TO 10' IN HEIGHT.
- SHRUBS SHOULD BE 18" IN HEIGHT UNLESS OTHERWISE NOTED IN THE SCHEDULE.
- ANY NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED FROM THE ROOTBALLS AT THE TIME OF INSTALLATION.
- GUY WIRES AND STAKES WILL ONLY BE UTILIZED IF CONDITIONS MERIT. IF UTILIZED, SHOULD BE REMOVED BY THE DEVELOPER AT THE END OF THE GROWTH PERIOD.
- THE CENTRAL LEADER SHOULD NOT BE CUT OR REMOVED FROM THE DECIDUOUS TREES.
- ALL SHRUB AND TREE PLANTING SHALL BE PERFORMED IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK - ANSI Z60.1-2004.
- LANDSCAPING SHALL HAVE A TWO (2) YEAR GUARANTEE.
- ROCKS SHALL NOT BE PLACED WITHIN 6" OF THE ROOT COLLAR. THE MINIMUM DIAMETER OF THE SCARIFIED SUB-GRADE SHALL BE 5 TIMES THE ROOT BALL DIAMETER. ALL TWINE, WIRE, ROPE AND BURLAP FROM THE TOP 3 OF THE ROOT BALL SHALL BE REMOVED.
- MYCOR TREE SAYER SHALL BE MIXED IN THE BACKFILL WHEN PLANTING TREES AND SHRUBS. IN ADDITION, HEALTHY START MACRO TABS 12-6-8 SHALL BE PLACED IN THE UPPER 4" OF THE BACKFILL AROUND TREES AND SHRUBS. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS FOR USE WITH THESE PRODUCTS.
- ALL LAWN AREAS SHALL RECEIVE A MINIMUM OF 4 INCHES OF TOPSOIL.
- VEGETATIVE COVER SHALL BE IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION & SEDIMENT CONTROL IN NEW JERSEY AND APPROVED BY THE FREEHOLD SOIL CONSERVATION DISTRICT.
- ALL AREAS WHERE NATURAL VEGETATION AND/OR SPECIMEN TREES ARE TO REMAIN SHALL BE PROTECTED BY THE ERECTION OF FENCING, AND NO DISTURBANCE SHALL OCCUR PRIOR TO INSPECTION BY THE TOWNSHIP ENGINEER AND THE ISSUANCE OF WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION. THESE PROTECTIVE MEASURES SHALL NOT BE ALTERED OR REMOVED WITHOUT THE PROPER APPROVAL OF THE TOWNSHIP ENGINEER.
- TOPSOIL IN LANDSCAPE AREAS SHALL HAVE A MINIMUM DEPTH OF TWO (2) FEET FOR SHRUBBERY AND FOUR (4) FEET FOR TREES.
- FOUR SEASON FOUNDATION PLANTINGS SHALL BE PROVIDED, AND ACCENTED WITH SHRUBS, PERENNIALS, AND ORNAMENTAL GRASSES.

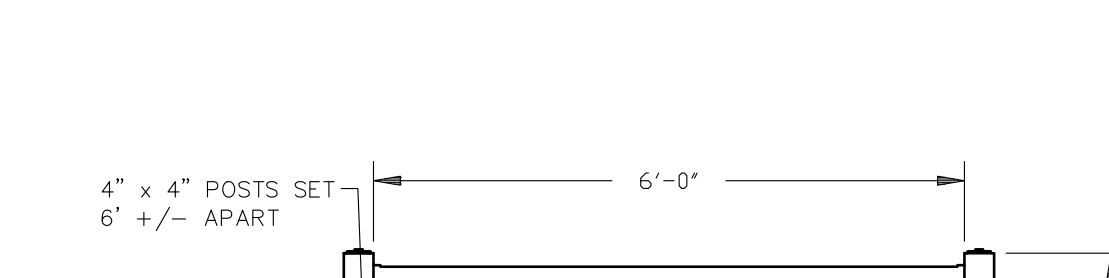
DECIDUOUS TREE PLANTING DETAIL



CONIFEROUS TREE PLANTING DETAIL



SHRUB PLANTING DETAIL



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.

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

TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY

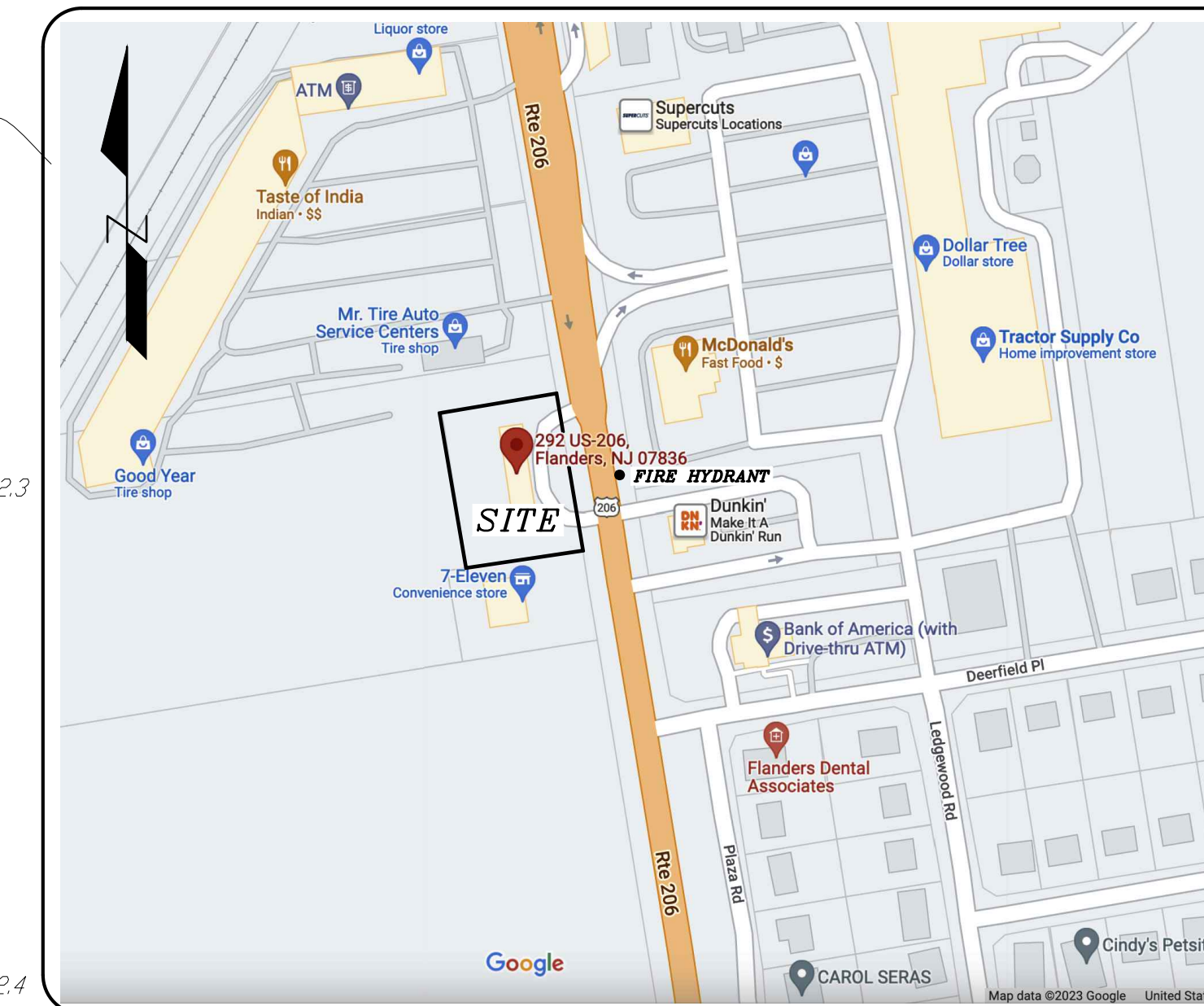
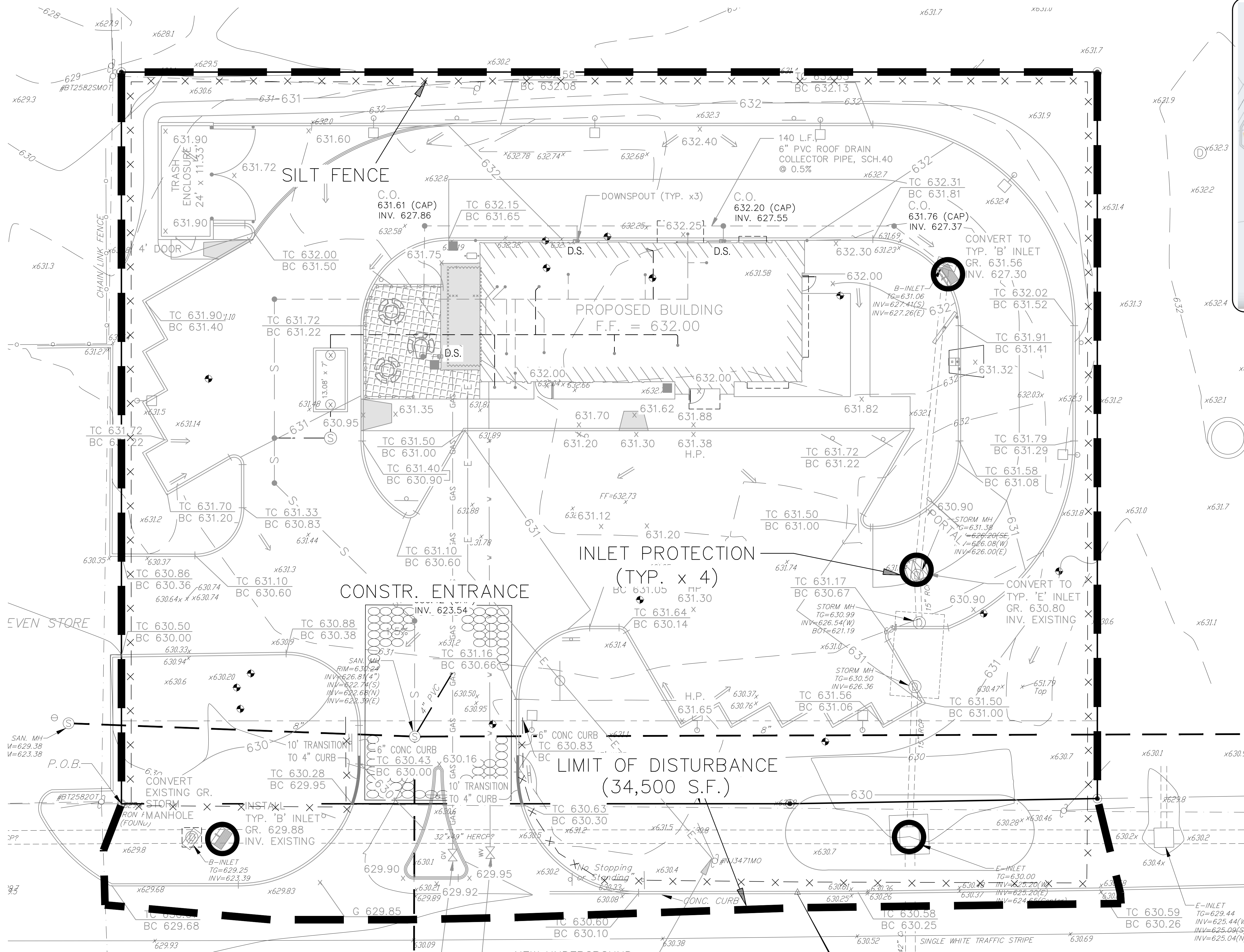
EAST POINT
ENGINEERING, LLC
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 2460428169800

11 South Main Street
Morris County, NJ 07746
Tel: 732.577.0180

DATE: 12-02-22 PROJECT NUMBER: 22-166
SCALE: 1" = 10' CHECKED BY: BNP
SHEET NO. 5 OF 16

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

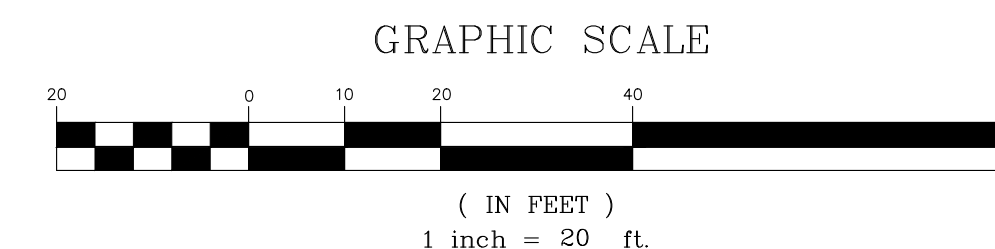




KEY MAP
SCALE: 1" = 200' ±

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

NO.	DATE	DESCRIPTION
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		
11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180		
NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 24604452400		
DATE: 12-02-22	PROJECT NUMBER: 22-166	
SCALE: 1" = 10'	CHECKED BY: BNP	
SHEET NO. 7 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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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.

3. 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 (pounds)		OPTIMUM SEEDING DATE 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 8/1- 9/15	3/1- 5/15 8/15- 10/1	2/15- 5/1 8/15- 10/15	0.5
2. Spring oats	86	2.0	3/15- 6/1 8/1- 9/15	3/1- 5/15 8/15- 10/1	2/15- 5/1 8/15- 10/15	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 8/1- 9/15	3/15- 6/1 8/1- 9/15	2/15- 5/1 8/15- 10/15	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 Line 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 (tackifying or adhesive agent), the rate of application is 3 tons per acre. Mulch chopper-blowers must gag 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 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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Standards for Soil Erosion and Sediment Control in New Jersey

January 2014

- 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

STANDARD FOR 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.
- Seedbed Preparation
 - 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.

4. 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

4-2

Return to TOC

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 (tackifying or adhesive agent), the rate of application is 3 tons per acre. Mulch chopper-blowers must gag 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 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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Standards for Soil Erosion and Sediment Control in New Jersey

January 2014

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.

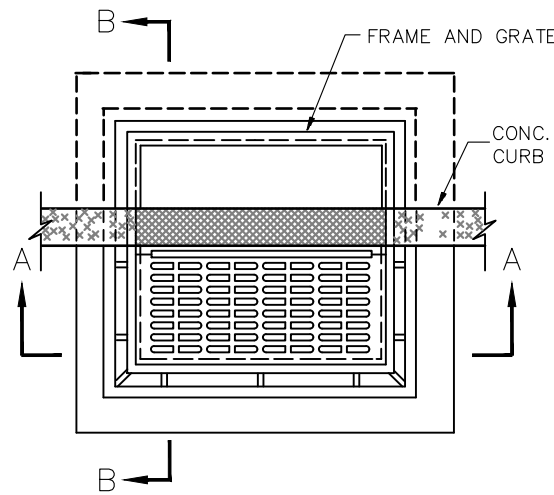
7. Establishing Permanent Vegetative Stabilization

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.

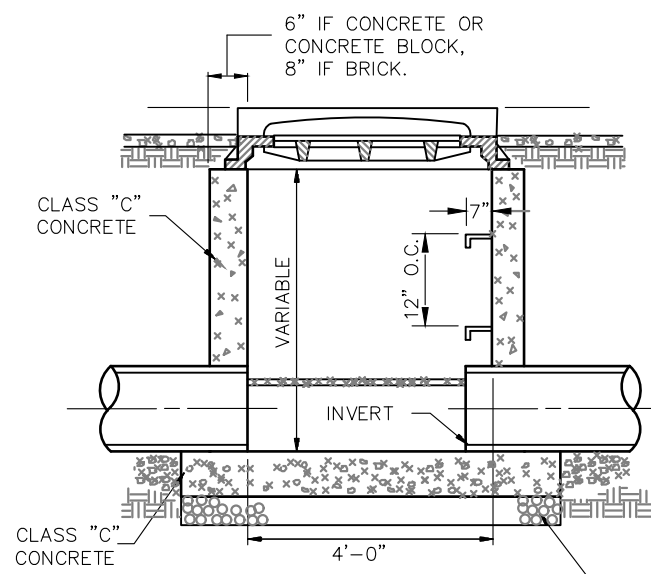
NO.	DATE	DESCRIPTION
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT SOIL EROSION & SEDIMENT CONTROL NOTES & DETAILS BLDG# 6800, LOT 5 TAX MAP SHEET NO. 68		
TOWNSHIP OF MOUNT OLIVE MORRIS COUNTY, NEW JERSEY		
 EAST POINT ENGINEERING, LLC NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169B00		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180
 MARK S. LEBER N.J. PROFESSIONAL ENGINEER, LICENSE NO. 246044452400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 33100596800		DATE 12-02-22 PROJECT NUMBER: 22-1-6-6 CHECKED BY: BNP SHEET NO. 9 OF 16

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).

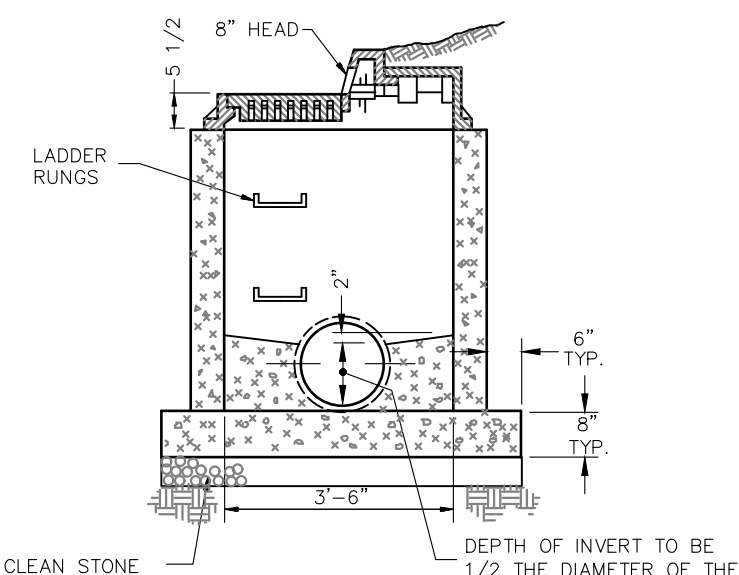


PLAN

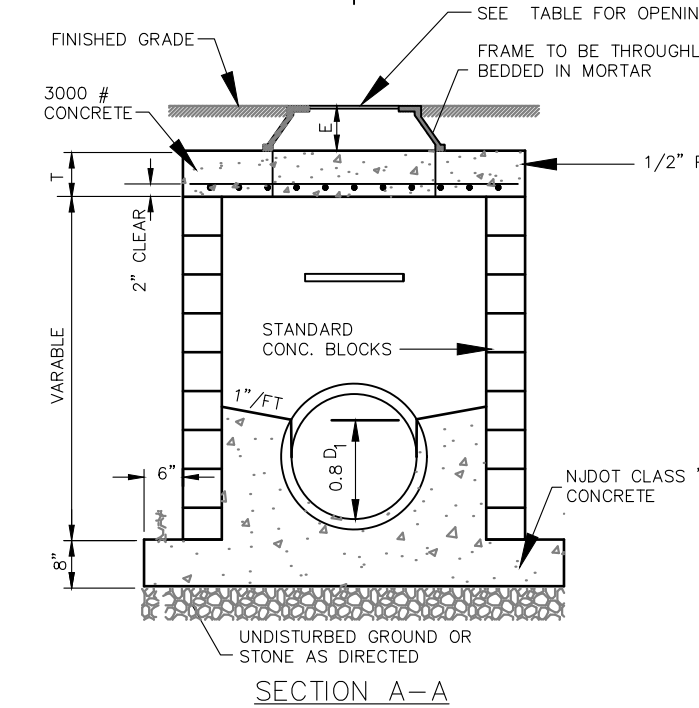
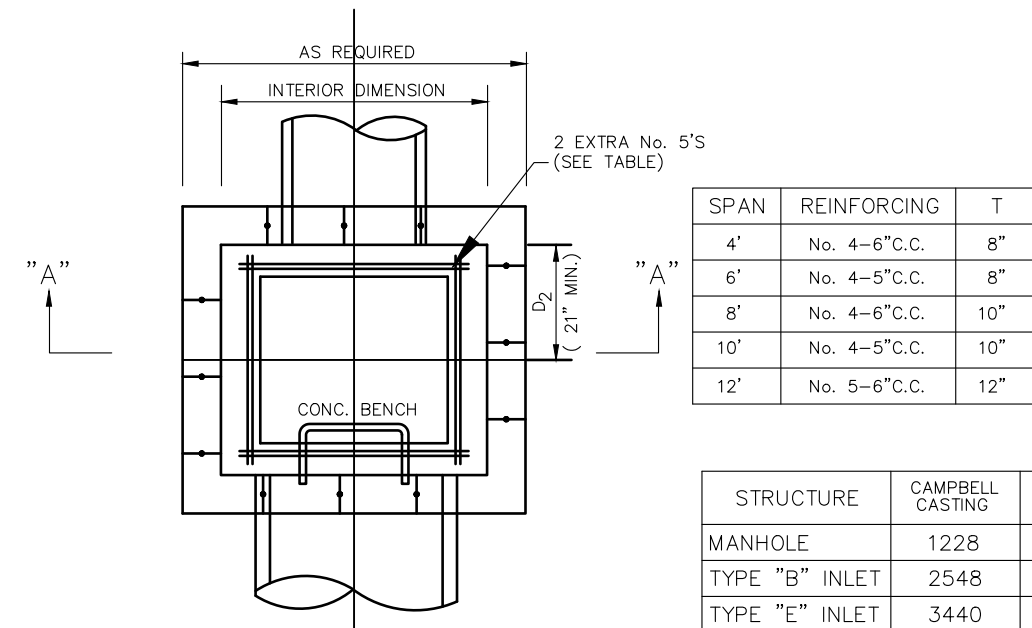


SECTION A-A

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



SECTION B-B



SECTION A-A

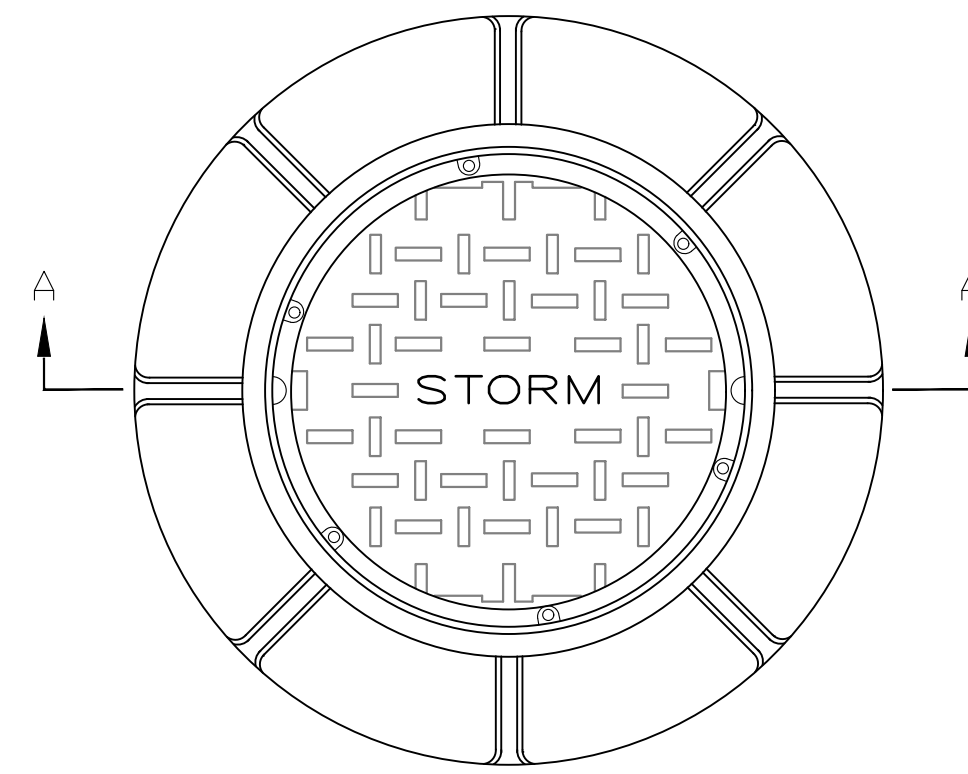
DOGHOUSE STRUCTURE
N.T.S.

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"

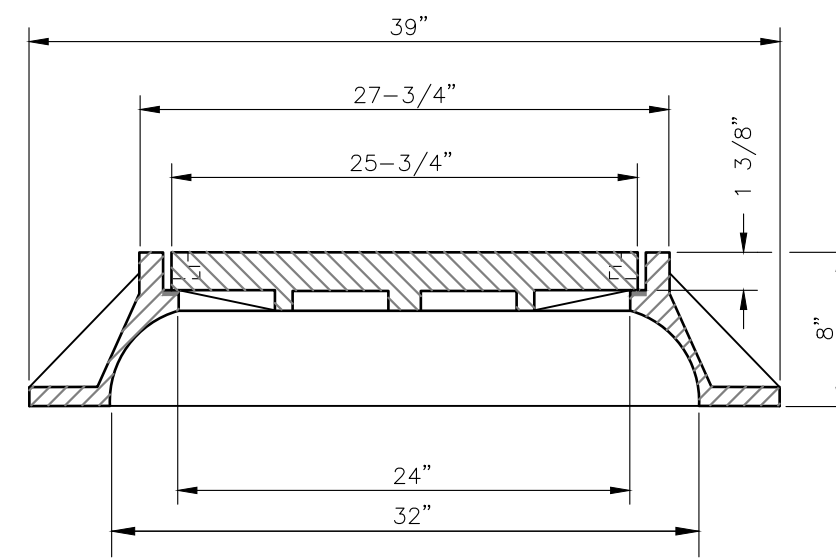
STRUCTURE	CAMPBELL CASTING	E	OPENING
MANHOLE	1228	8"	32"x32"
TYPE "B" INLET	2548	13-1/2"	48"x42"
TYPE "E" INLET	3440	5"	48"x42"

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.



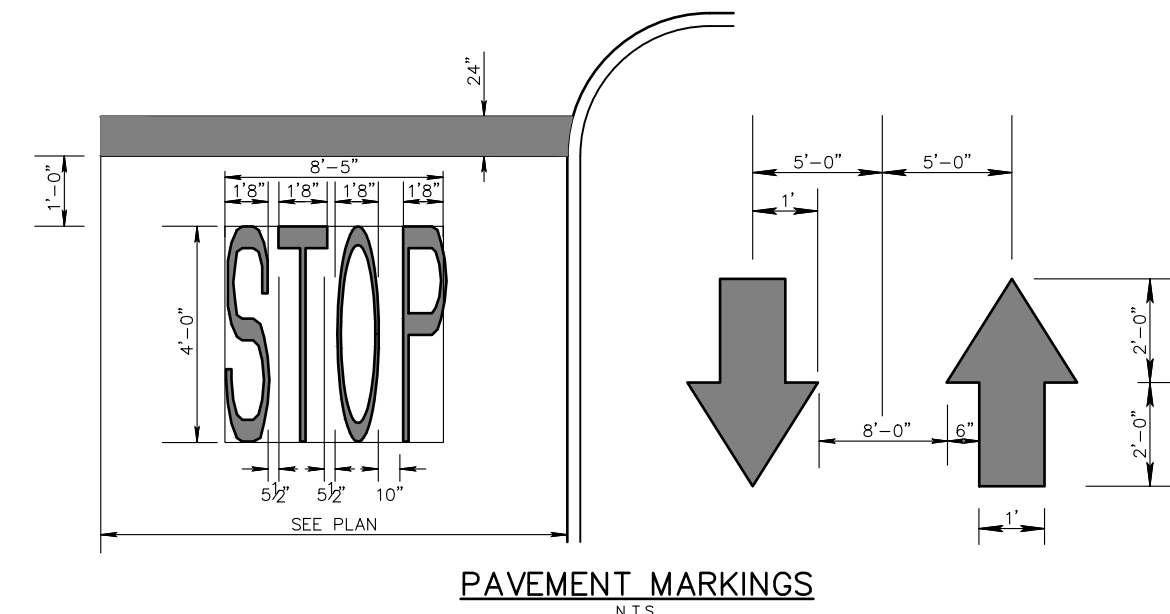
PLAN



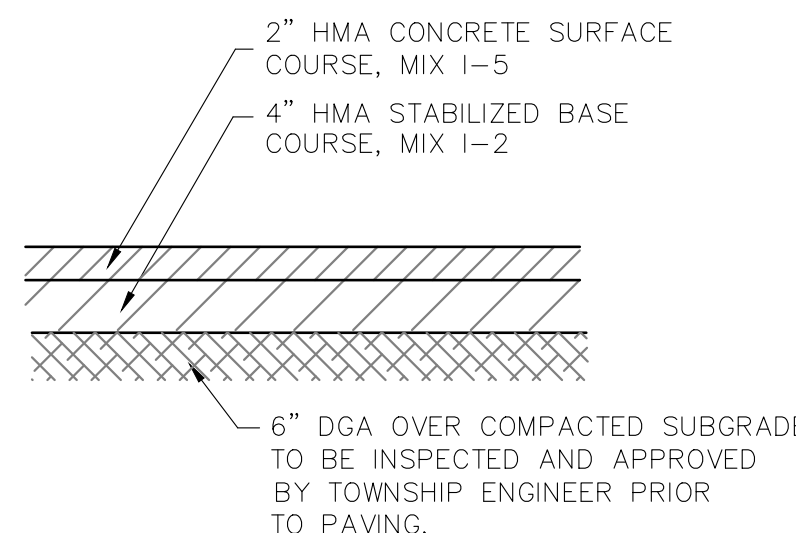
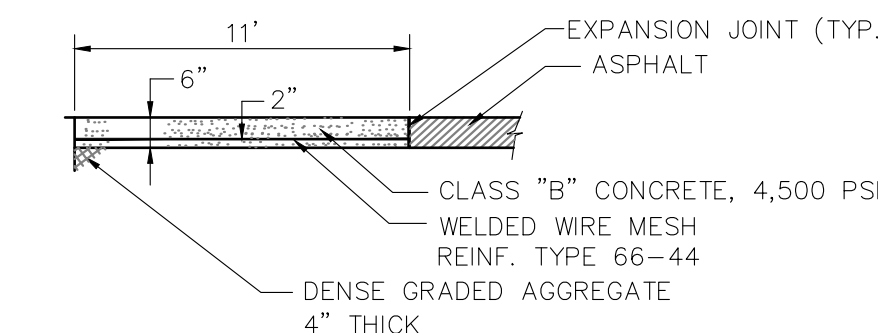
SECTION A-A

CAMPBELL FOUNDRY NUMBER 1203

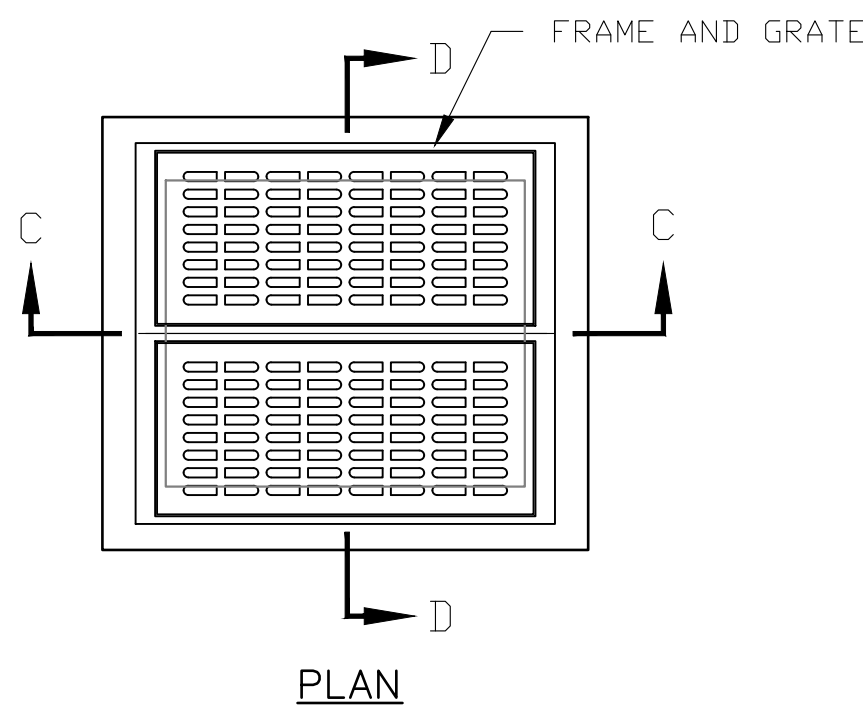
STORM MANHOLE FRAME AND COVER
N.T.S.



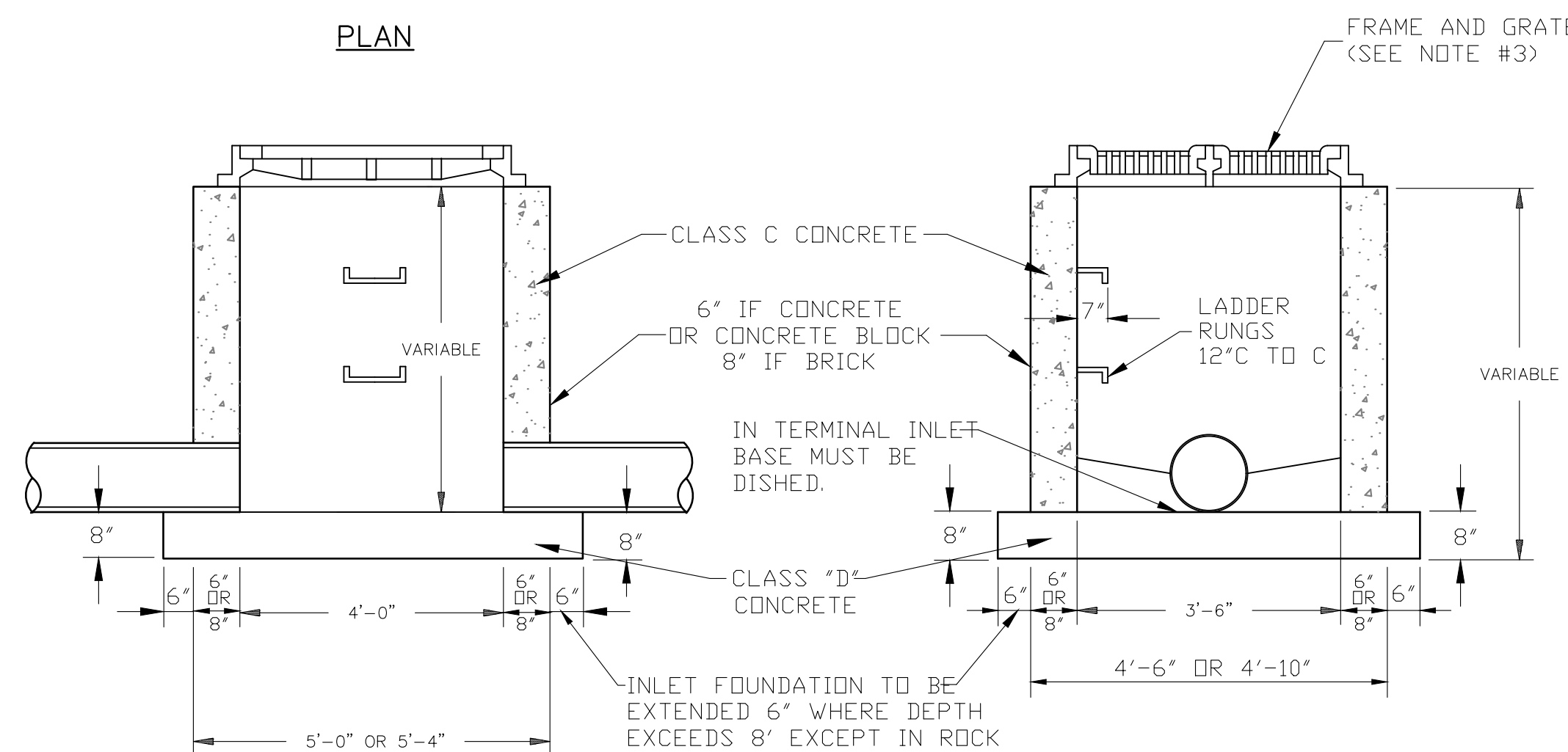
CONCRETE DRIVE-THRU SURFACE &
6" THICK, REINFORCED
N.T.S.



PARKING AREAS
TYPICAL PAVEMENT SECTION
N.T.S.



PLAN



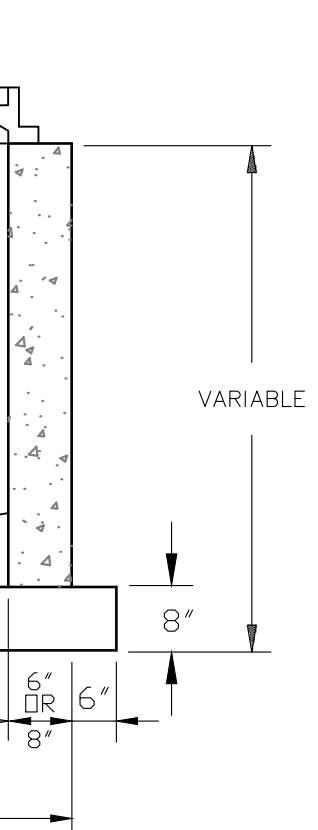
SECTION 'C-C'

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

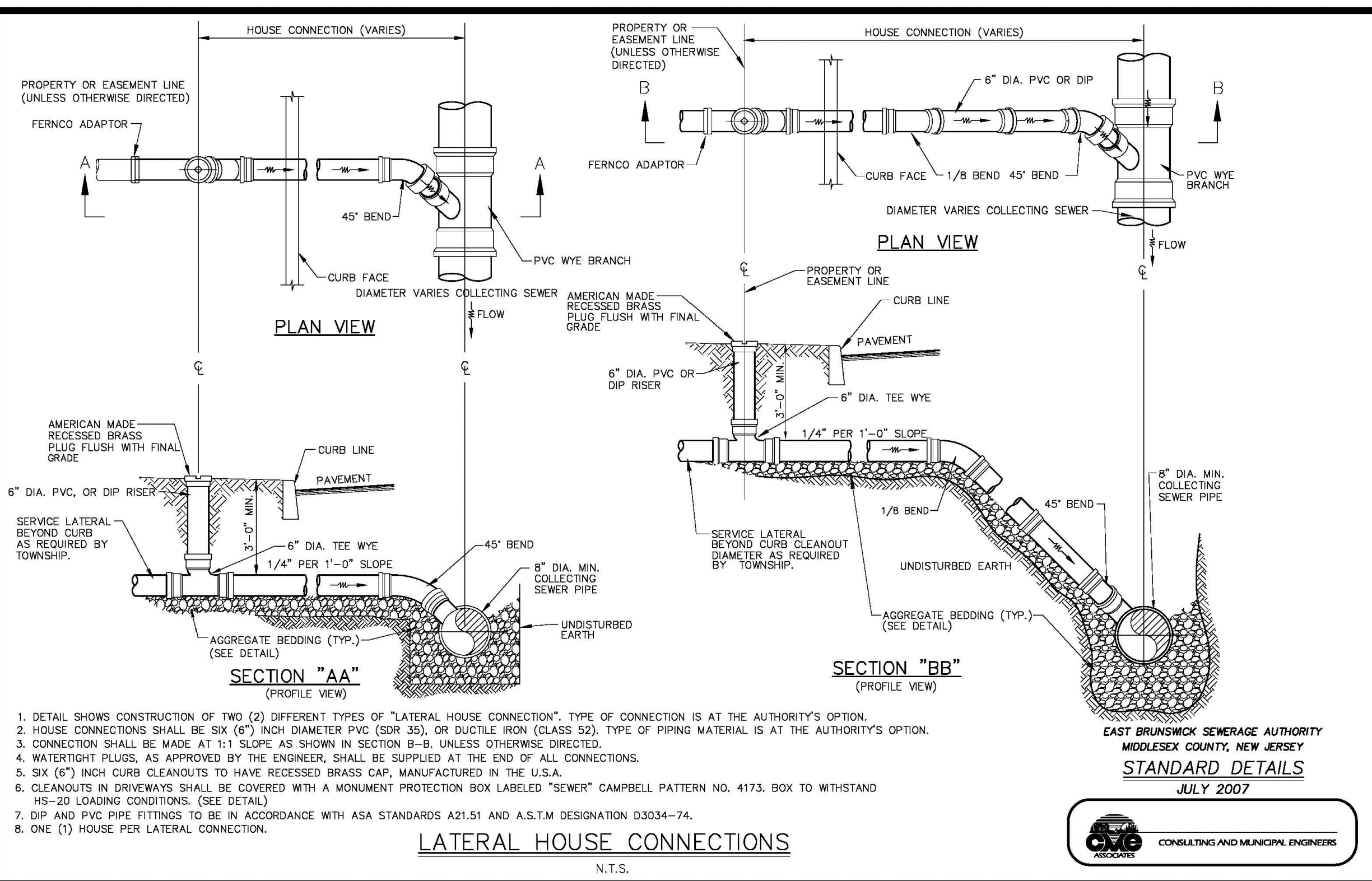
GENERAL NOTES:

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.

FRAME AND GRATE
(SEE NOTE #3)

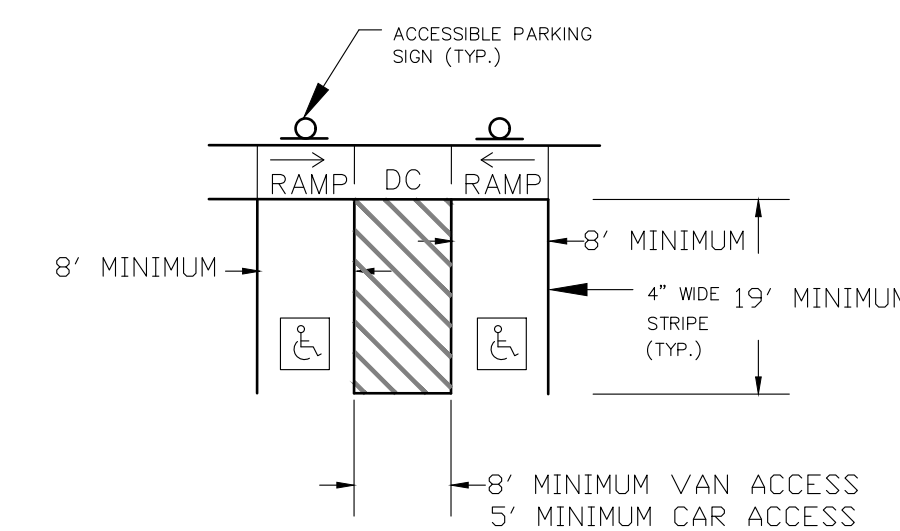


SECTION 'D-D'



1. DETAIL SHOWS CONNECTION 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. WATER TIGHT 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.



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.

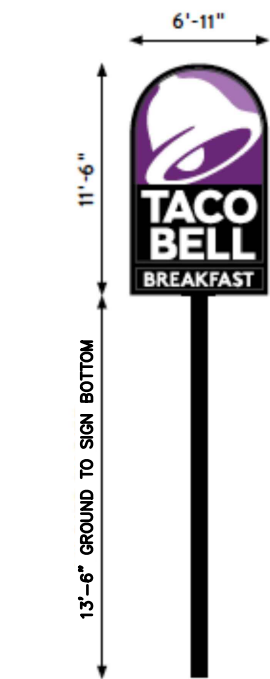
ACCESSIBLE PARKING STRIPING LAYOUT
N.T.S.

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 NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A2B169800		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180			
MARD S. LEBER N.J. PROFESSIONAL ENGINEER, LICENSE NO. 246064455400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 33L00596900		DATE 12-02-22		PROJECT NUMBER: 22-166 SCALE: N/A CHECKED BY: BNP	
SHEET NO. 12 OF 16					

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Main Pylon Sign



V-01.75
PYLON SIGN
WITH BREAKFAST
SIGN AREA: 75 SF
OPTIONAL MESSAGING:
DELIVERY
DRIVE THRU

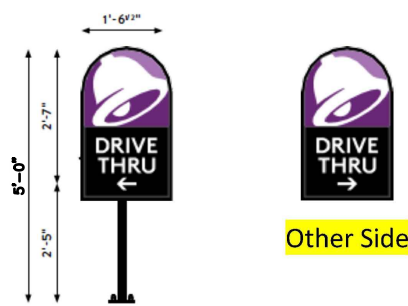


FLANDERS, NJ



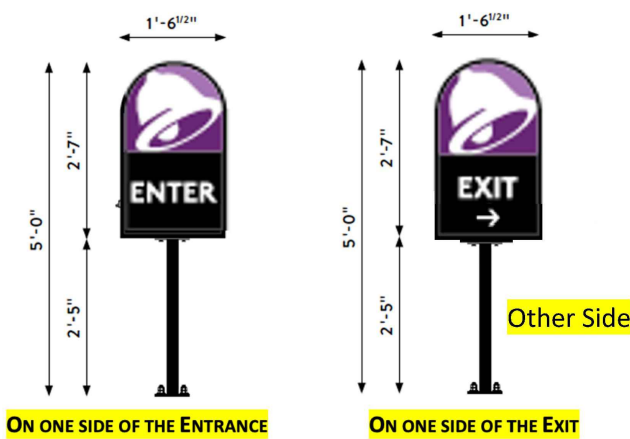
Directional Signs

SIGN # 1



V-03
DIRECTIONAL
SIGN AREA: 3.98 SF

SIGN # 2 & 3



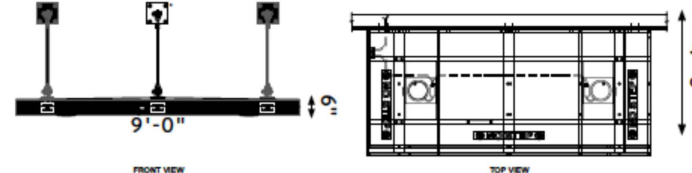
ON ONE SIDE OF THE ENTRANCE ON ONE SIDE OF THE EXIT



FLANDERS, NJ



Drive Thru Window Canopy



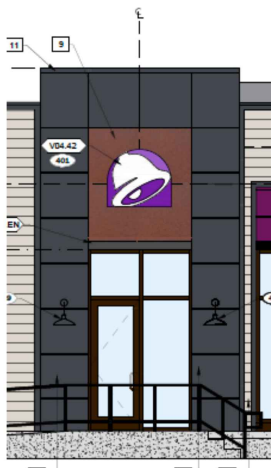
V-101.DT.EN
AWNING - PANTONE BLACK
AWNING SIZE: 9'-0" X 6" X 4"
AWNING LOCATION: DRIVE THRU ELEVATION OF ENDEAVOR



FLANDERS, NJ



Building Sign MAIN ENTRANCE BELL



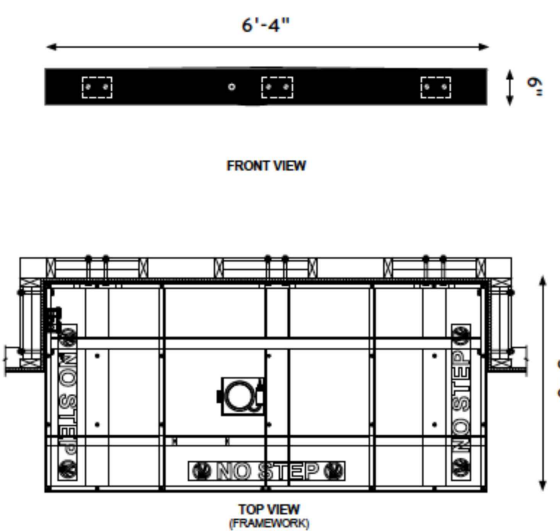
V-04-02
42" DRIVING BELL
PURPLE LOGO - FACE LIT
SIGN SIZE: 3'-4" X 3'-10"
SIGN AREA: 13.53 SF



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



FLANDERS, NJ



TOWER SIGN BELL



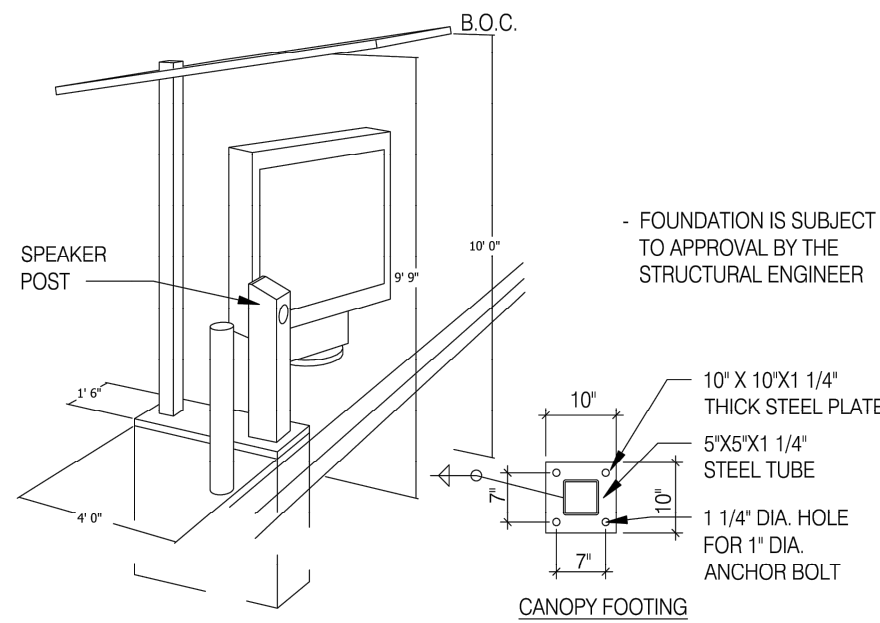
V-04-02
42" DRIVING BELL
PURPLE LOGO - FACE LIT
SIGN SIZE: 3'-4" X 3'-10"
SIGN AREA: 13.53 SF

BOTH SIDE OF TOWER - QTY 2

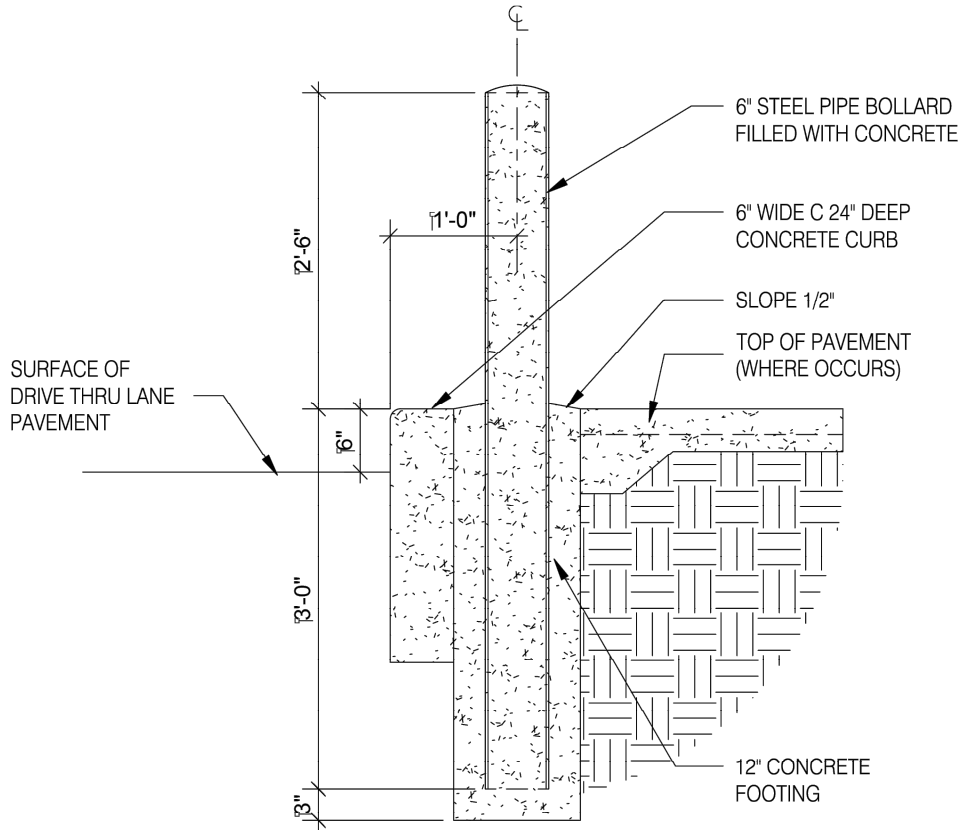


FLANDERS, NJ

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 NEW JERSEY CERTIFICATE OF AUTHORIZATION NO. 246A28169800		11 South Main Street Marlboro, NJ 07746 Tel: 732.577.0180
MARC S. LEBER N.J. PROFESSIONAL ENGINEER, LICENSE NO. 240604455400 N.J. PROFESSIONAL PLANNER, LICENSE NO. 33LI00589600		DATE: 12-02-22 SCALE: N/A PROJECT NUMBER: 22-166 CHECKED BY: BNP
12-02-22		SHEET NO. 13 OF 16



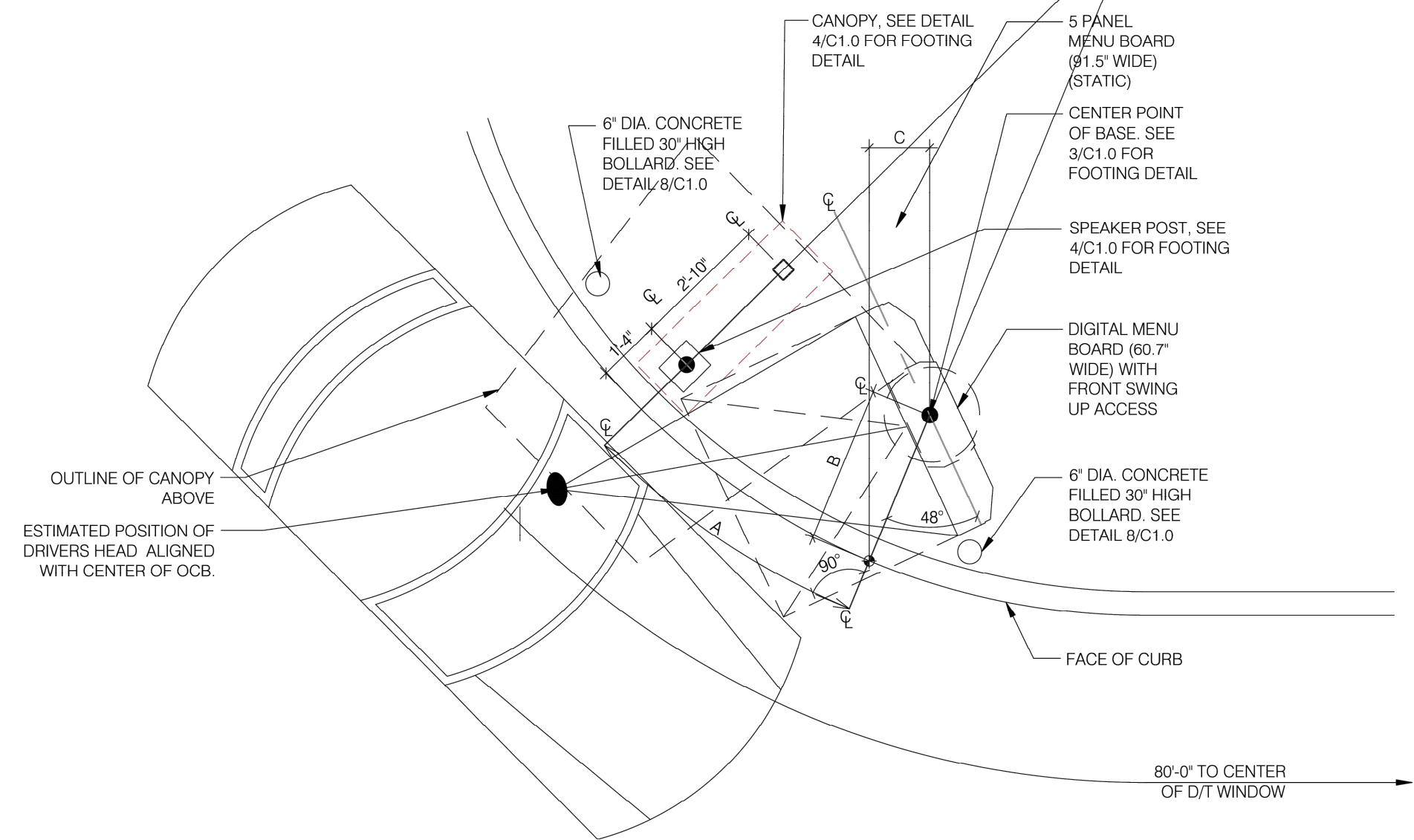
CANOPY AND SPEAKER FOOTING N.T.S. 9



BOLLARD AT DRIVE THROUGH N.T.S. 8

- 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°



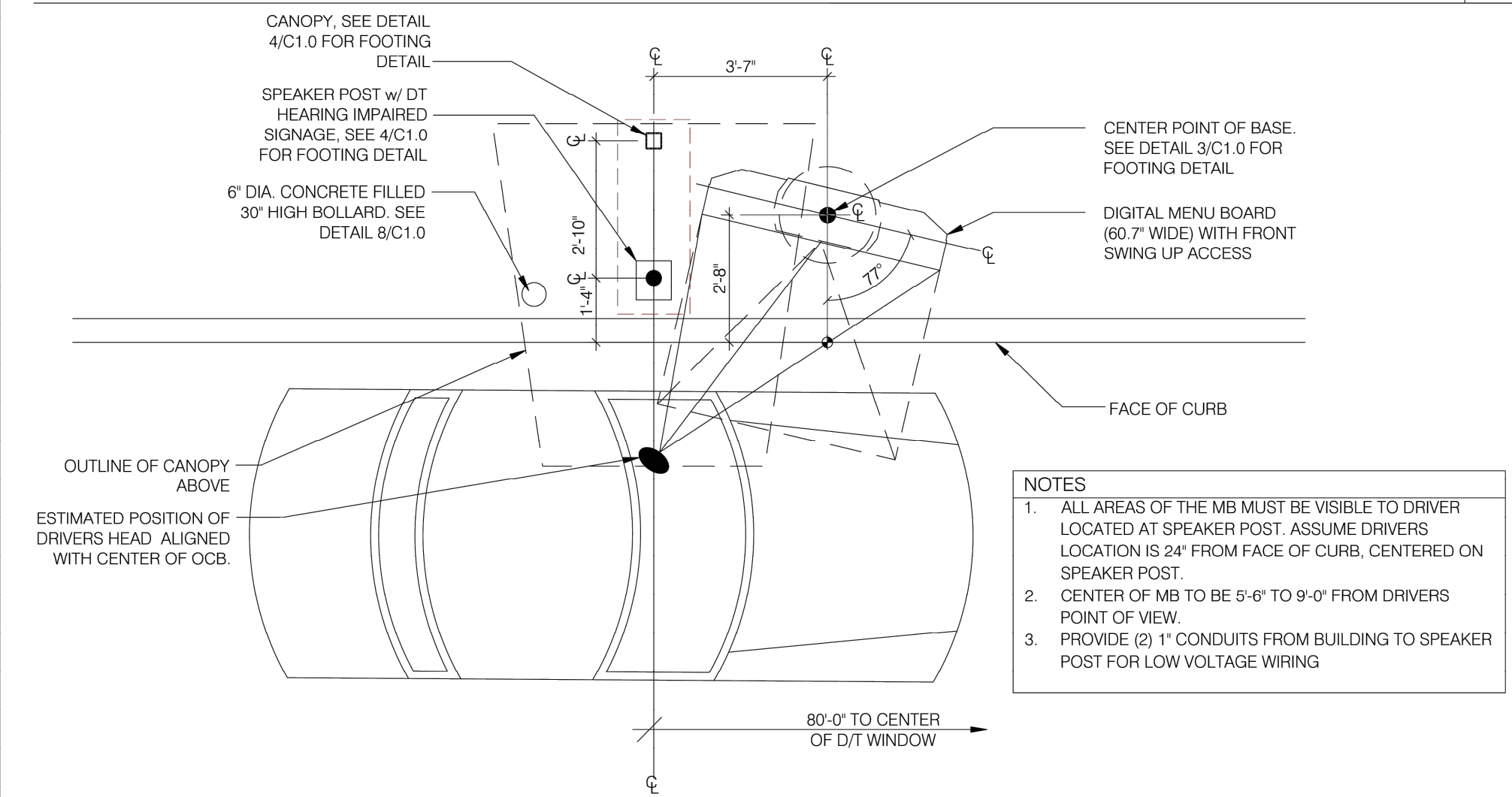
ENLARGED MENU BOARD DETAIL @ CURVED CURB 3/8" = 1'-0" 6

- 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

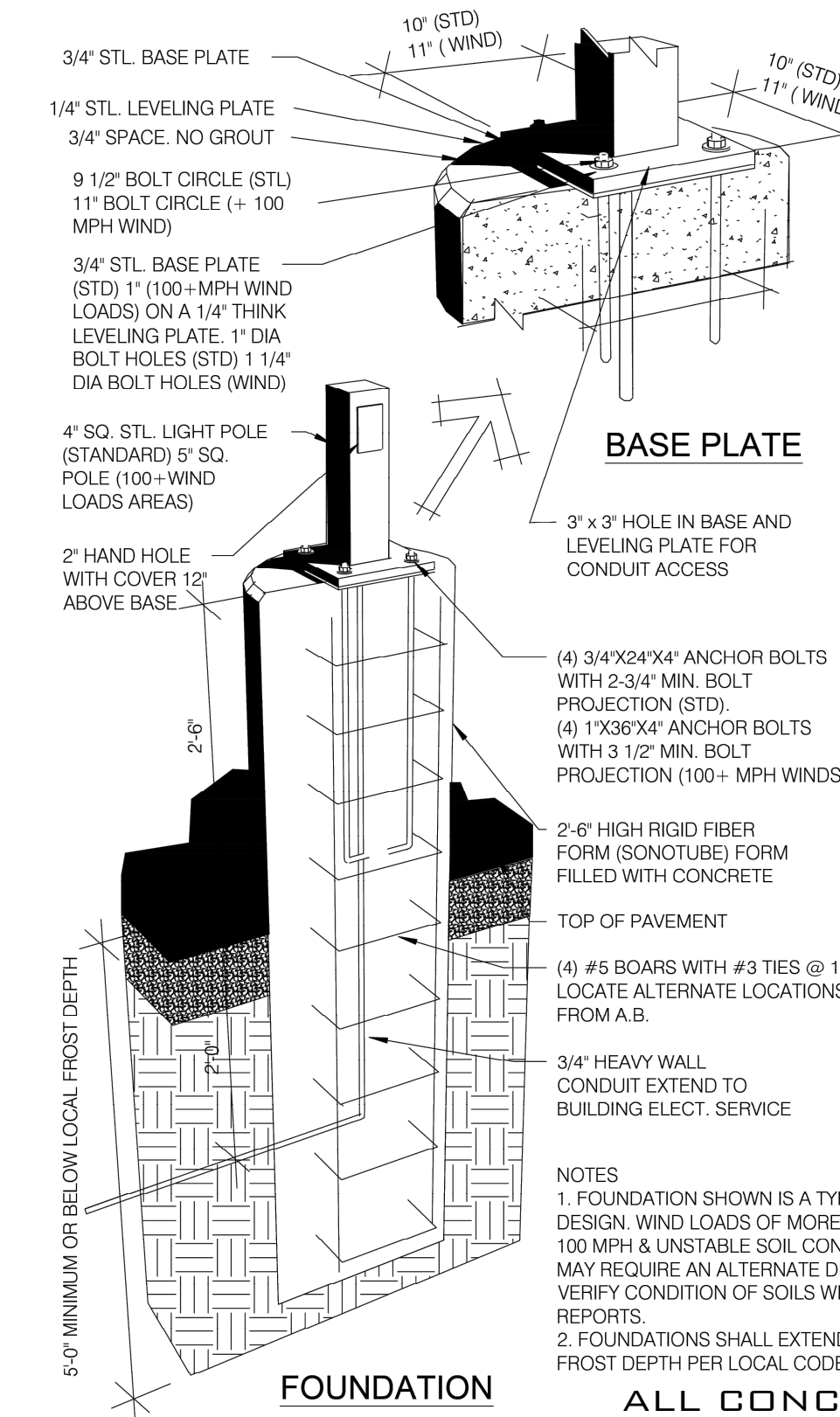
- JUST DMB INSTALL
0. PERMITTING - SIGN VENDOR
 1. EXISTING FOOTING (SKIP TO STEP 4) - SIGN VENDOR
 2. TRENCHING/ CONDUIT - SIGN VENDOR
 3. FORMING/ FOUNDATION/ ANCHOR BOLTS (SKIP TO STEP 5) - SIGN VENDOR
 4. ANCHOR BOLTS - SIGN VENDOR
 5. DIGITAL MD INSTALL - SIGN VENDOR
 6. DMB CABLE PULL - SIGN VENDOR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

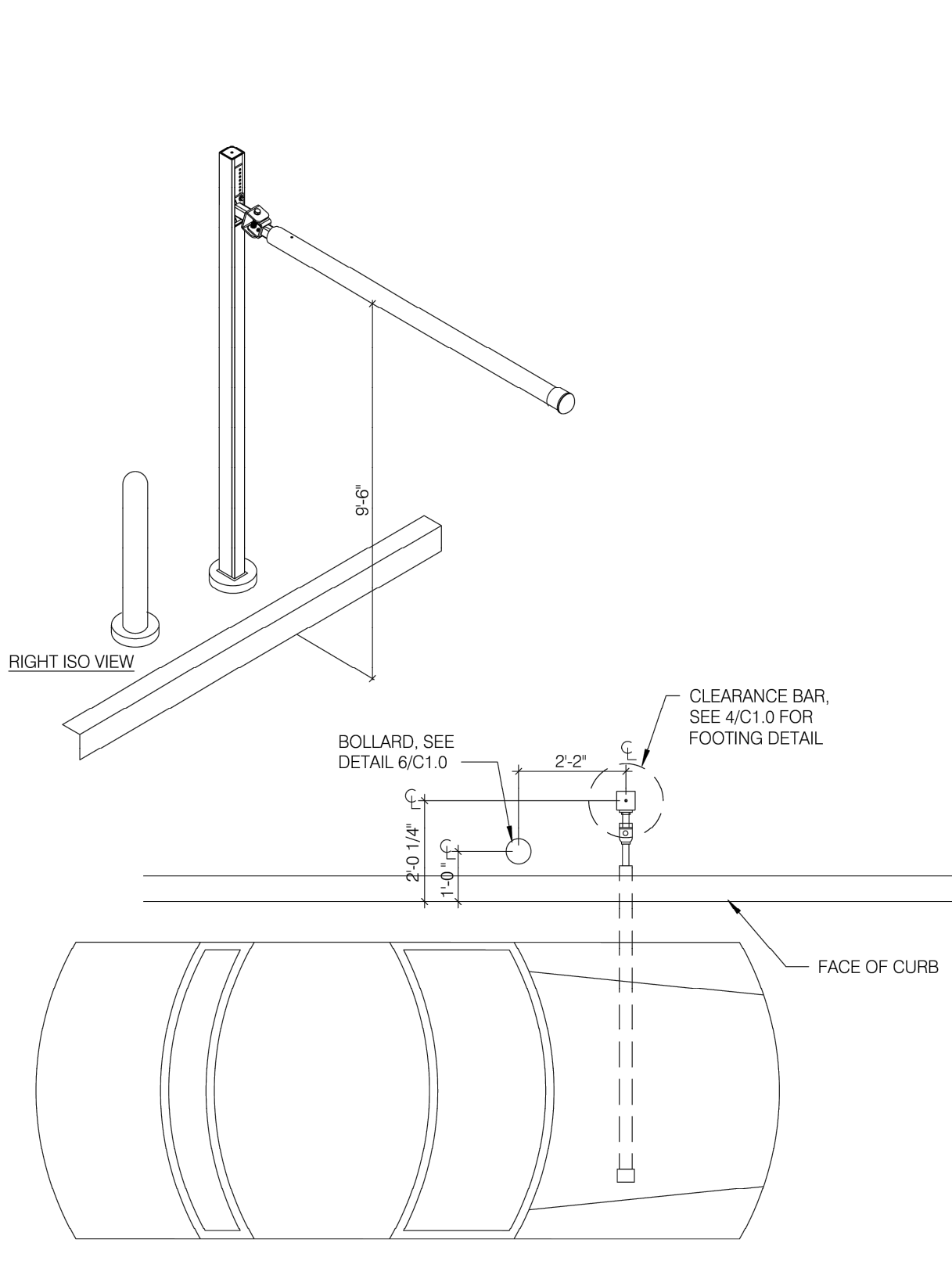
MENU BOARD SOW 1



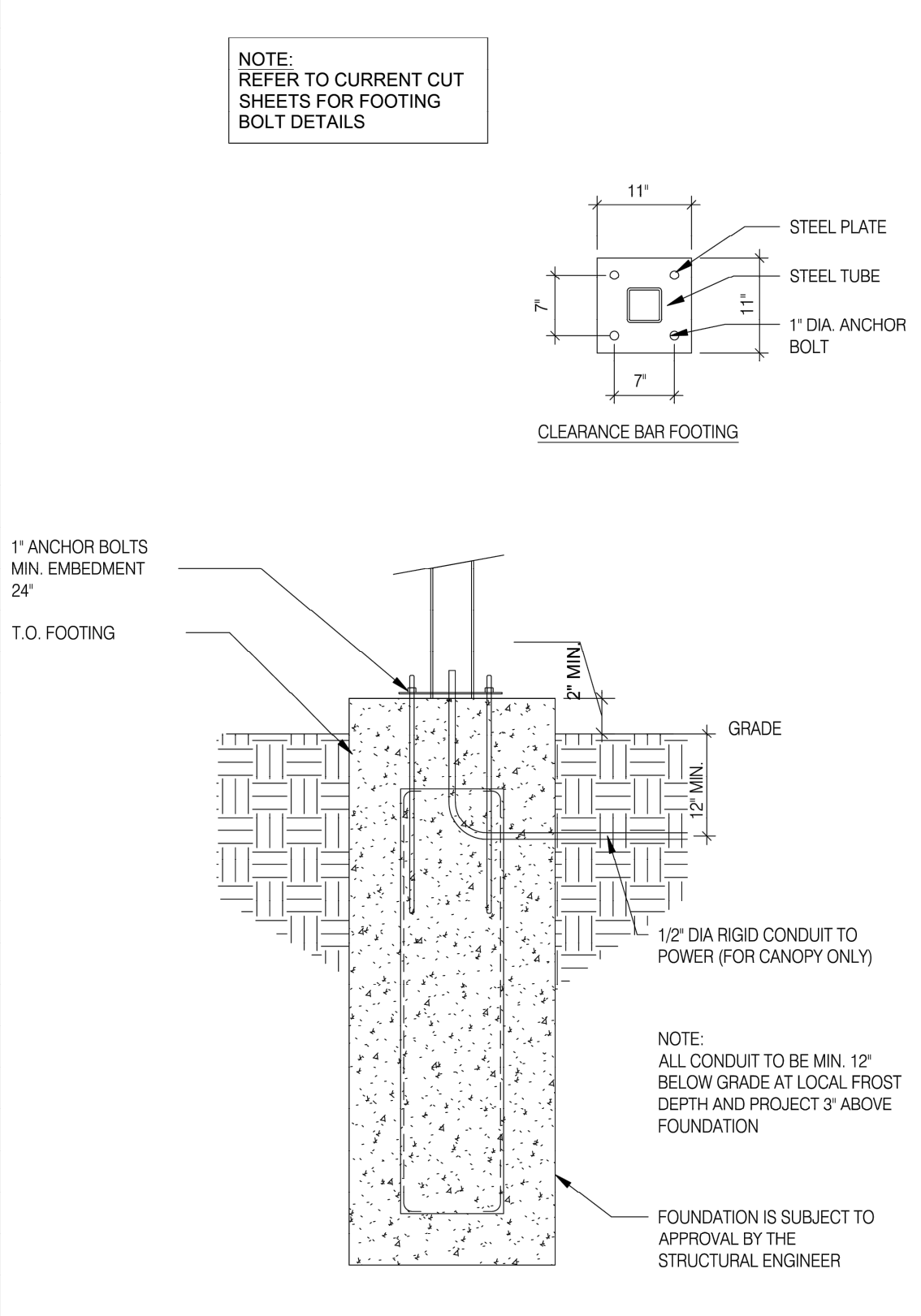
ENLARGED MENU BOARD DETAIL @ STRAIGHT CURB 3/8" = 1'-0" 2



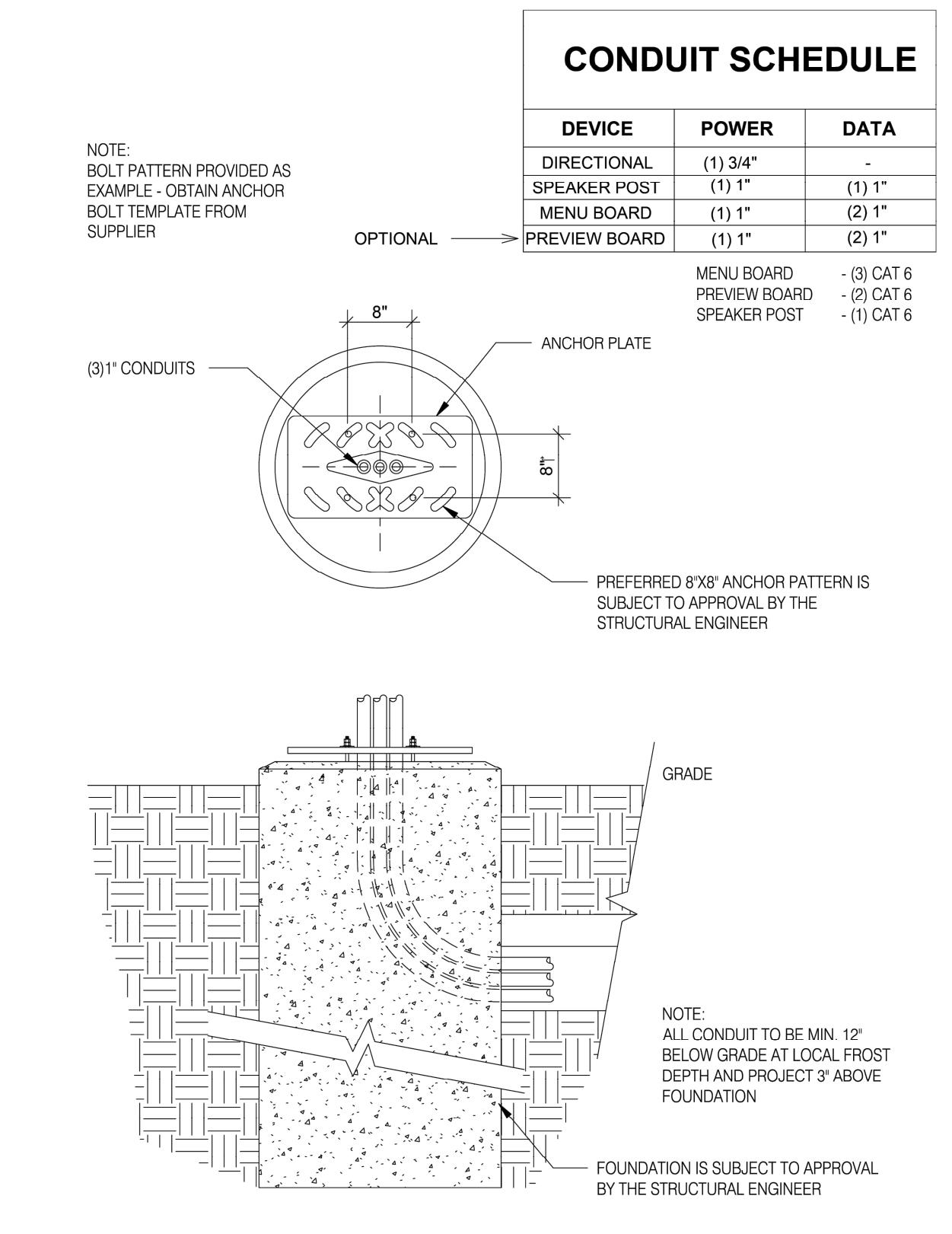
LIGHT POLE FOOTING N.T.S. 7



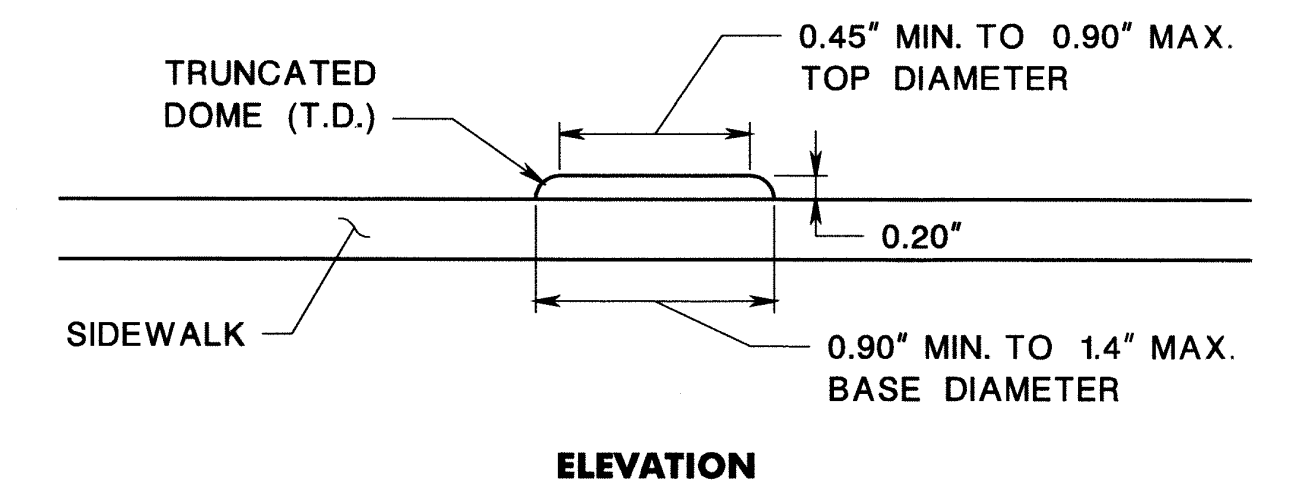
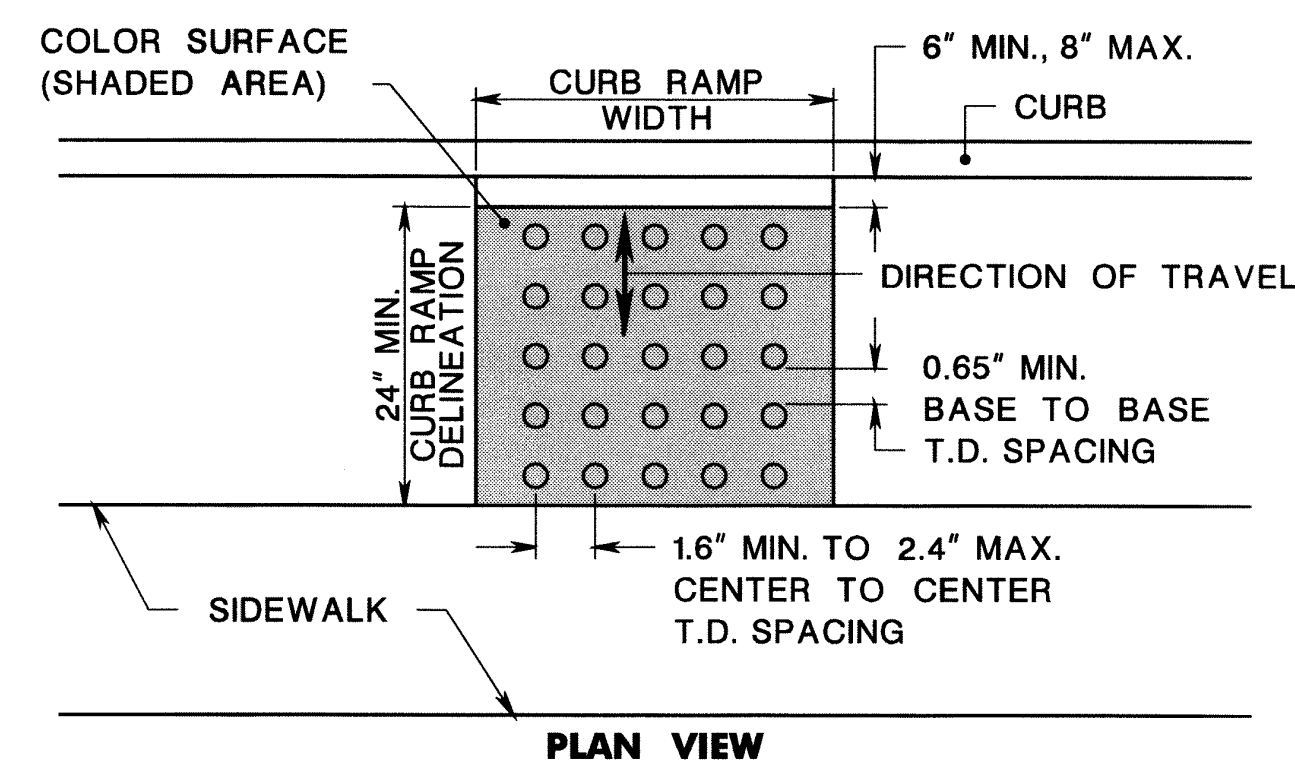
PORTAL PLACEMENT DETAIL N.T.S. 5



CLEARANCE BAR FOOTING N.T.S. 4

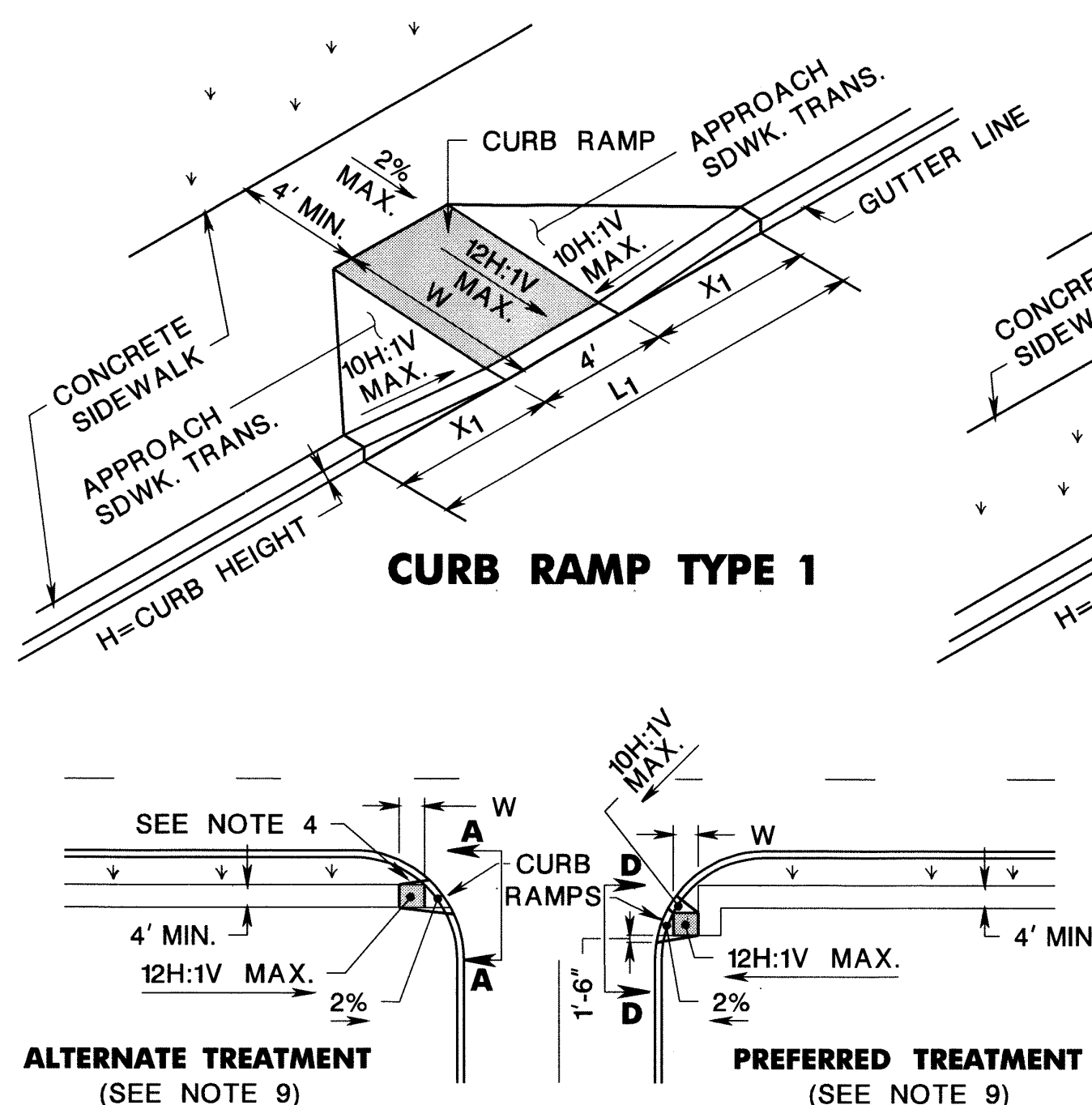
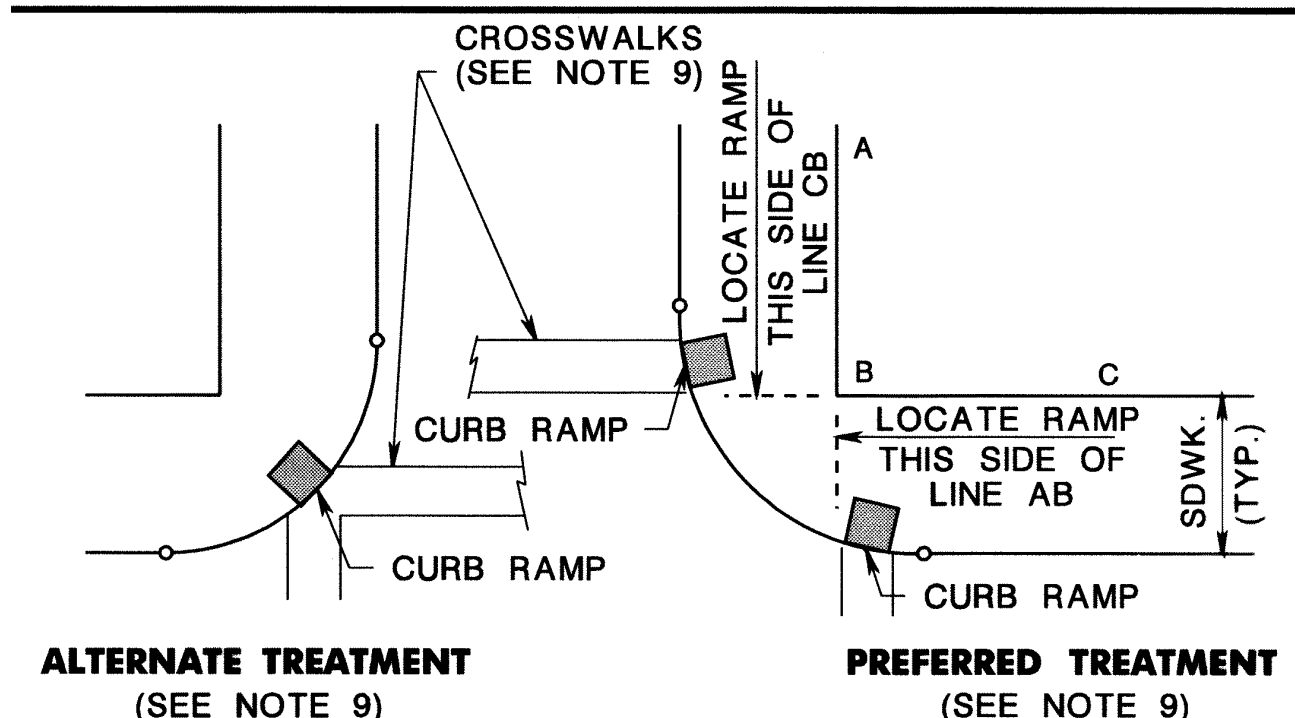


MENU FOUNDATION N.T.S. 3



DETECTABLE WARNING SURFACE

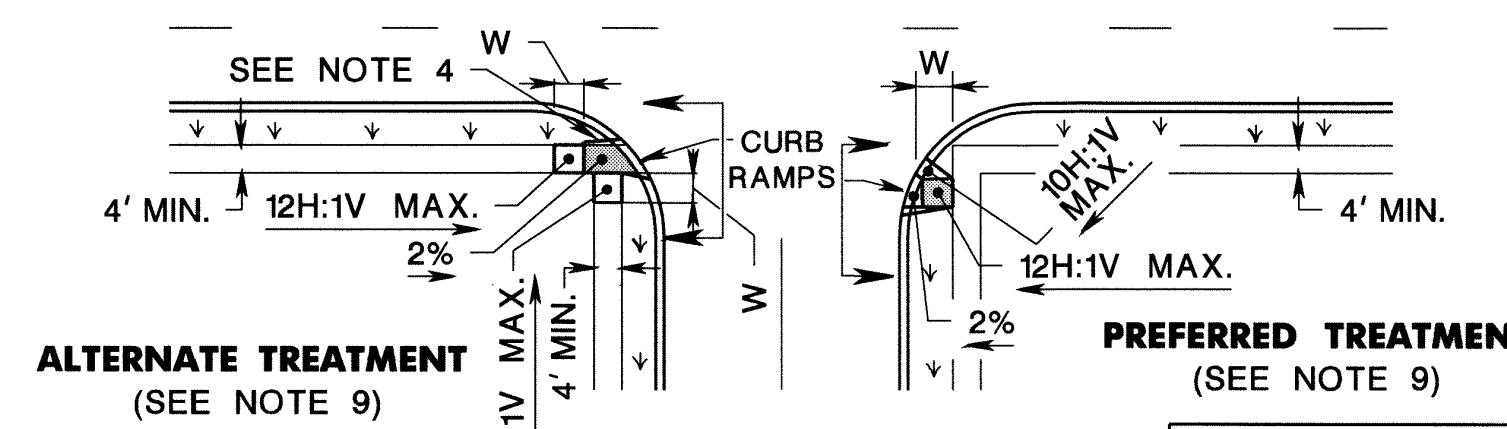
CD-606-1.1



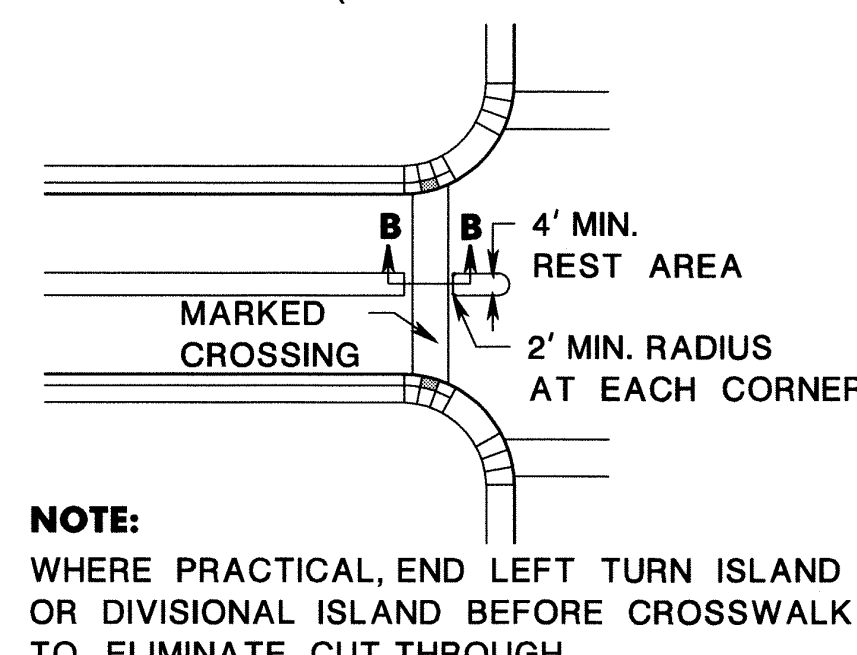
CURB RAMP TYPE 5 (CROSSING PARALLEL TO HIGHWAY ONLY)

CURB RAMP TYPE 1				
H INCHES	X1 FEET	L1 FEET	W FEET	
3	2.5	9.0	3	
4	3.3	10.6	4	
5	4.2	12.4	5	
6	5.0	14.0	6	
7	5.8	15.6	7	
8	6.7	17.4	8	
9	7.5	19.0	9	

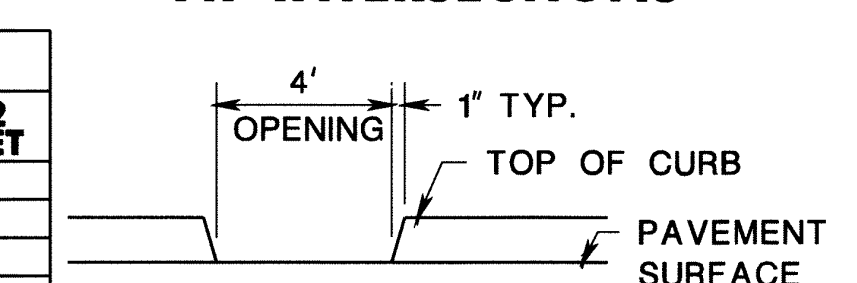
CURB RAMP TYPE 2, 5 OR 6		
H INCHES	W FEET	
3	3	
4	4	
5	5	
6	6	
7	7	
8	8	
9	9	



CURB RAMP TYPE 6 (CROSSING PARALLEL TO HIGHWAY ONLY)

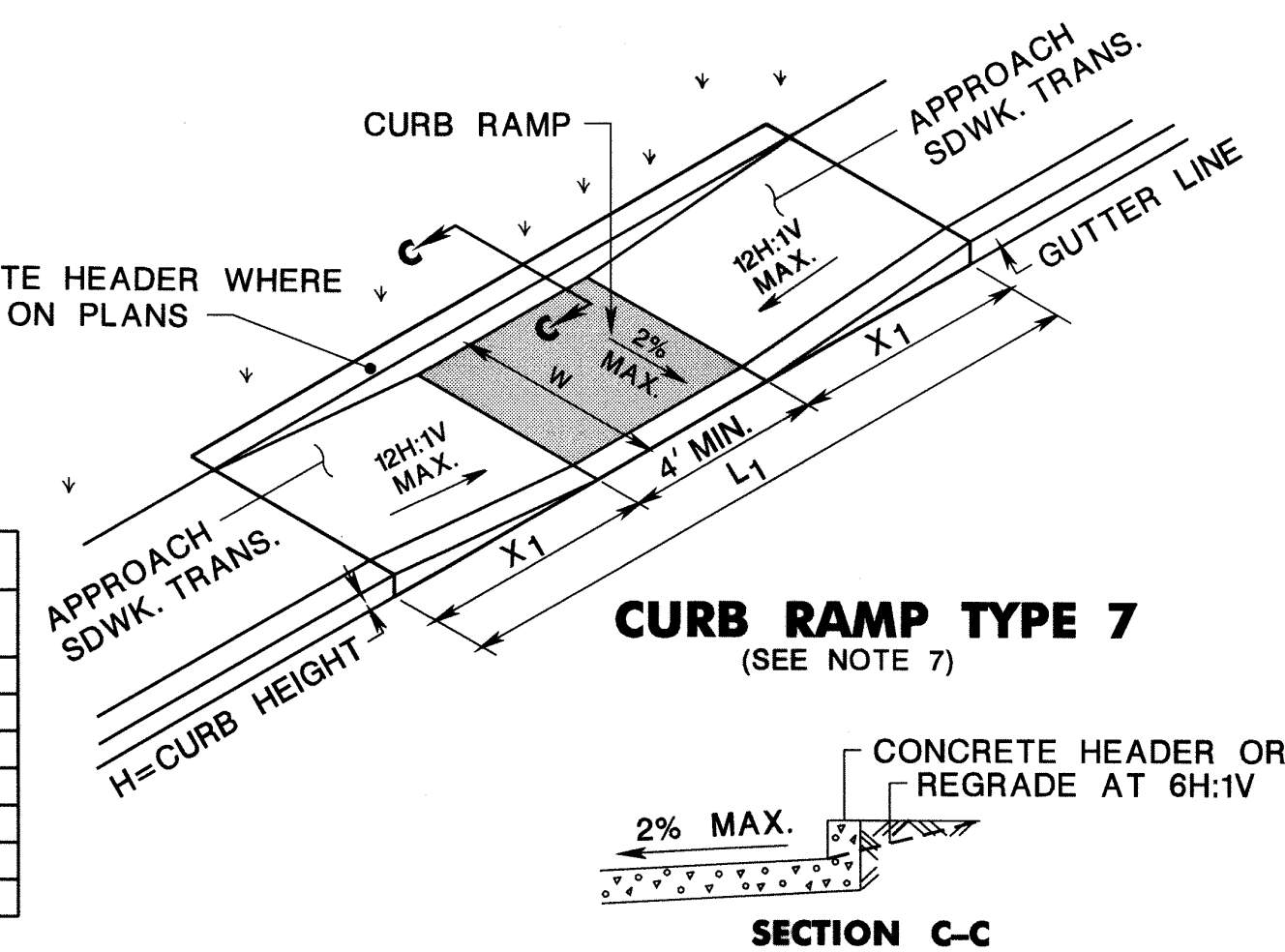


ISLAND WALKWAY OPENING AT INTERSECTIONS



NOTE:
4' WIDE OPENING TO BE FLUSH WITH ROADWAY PAVEMENT

CURB RAMP TYPE 7			
W FEET	H INCHES	X1 FEET	L1 FEET
4 MIN. 6 MAX.	3	3	11
	4	4	13
	5	5	15
	6	6	17
	7	7	19
	8	8	21
	9	9	23



SECTION C-C

- LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
- 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.
- CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS.
- FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
- SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
- 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.
- 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.
- CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
- PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
- 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.

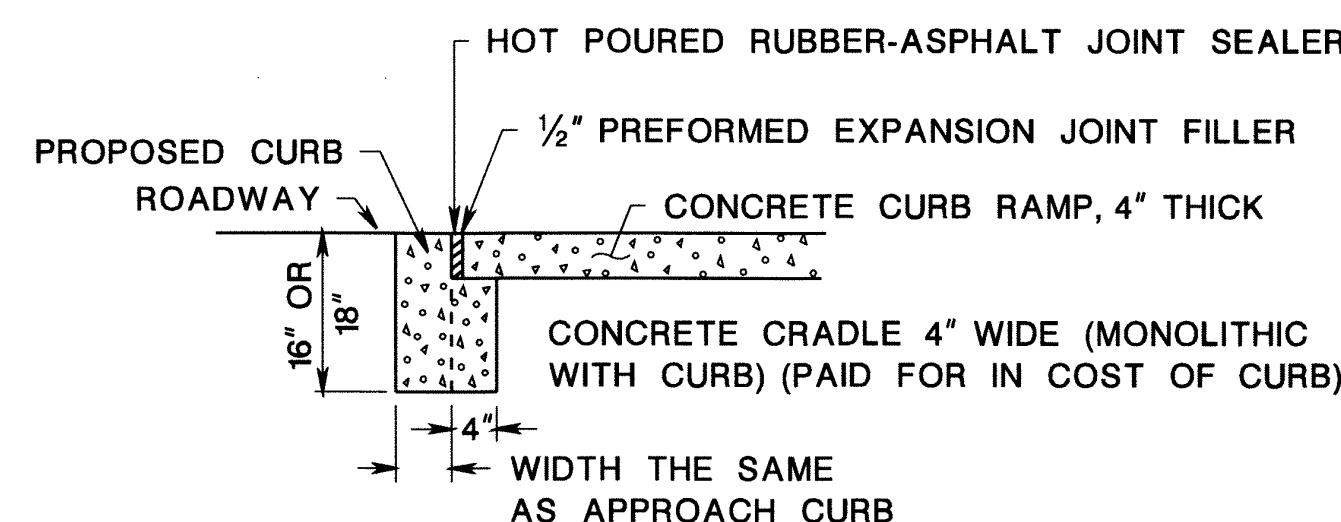
PUBLIC SIDEWALK CURB RAMP DETECTABLE WARNING SURFACE

N.T.S.

HMA = HOT MIX ASPHALT CD-606-1

CURB RAMP TYPE 3							
W FEET	H INCHES	X1 FEET	L1 FEET	Y INCHES	X2 FEET	L2 FEET	
2.5	3	2.5	9	2.5	0.5	5	
	4	3.3	10.6	2.5	1.5	7	
	5	4.2	12.4	2.5	2.5	9	
	6	5.0	14.0	2.5	3.5	11	
	7	5.8	15.6	2.5	4.5	13	
	8	6.7	17.4	2.5	5.5	15	
	9	7.5	19.0	2.5	6.5	17	
3.0	3	*	*	*	*	*	
	4	3.3	10.6	3.0	1	6	
	5	4.2	12.4	3.0	2	8	
	6	5.0	14.0	3.0	3	10	
	7	5.8	15.6	3.0	4	12	
	8	6.7	17.4	3.0	5	14	
	9	7.5	19.0	3.0	6	16	
3.5	3	*	*	*	*	*	
	4	3.3	10.6	3.5	0.5	5	
	5	4.2	12.4	3.5	1.5	7	
	6	5.0	14.0	3.5	2.5	9	
	7	5.8	15.6	3.5	3.5	11	
	8	6.7	17.4	3.5	4.5	13	
	9	7.5	19.0	3.5	5.5	15	
4.0	3	*	*	*	*	*	
	4	*	*	*	*	*	
	5	4.2	12.4	4.0	1	6	
	6	5.0	14.0	4.0	2	8	
	7	5.8	15.6	4.0	3	10	
	8	6.7	17.4	4.0	4	12	
	9	7.5	19.0	4.0	5	14	

CURB RAMP TYPE 4					
W FEET	H INCHES	Y INCHES	X2 FEET	L2 FEET	
2.5	3	2.5	0.5	5	
	4	2.5	1.5	7	
	5	2.5	2.5	9	
	6	2.5	3.5	11	
	7	2.5	4.5	13	
	8	2.5	5.5	15	
	9	2.5	6.5	17	
3.0	3	**	**	**	
	4	3.0	1	6	
	5	3.0	2	8	
	6	3.0	3	10	
	7	3.0	4	12	
	8	3.0	5	14	
	9	3.0	6	16	
3.5	3	**	**	**	
	4	3.5	0.5	5	
	5	3.5	1.5	7	
	6	3.5	2.5	9	
	7	3.5	3.5	11	
	8	3.5	4.5	13	
	9	3.5	5.5	15	
4.0	3	**	**	**	
	4	**	**	**	
	5	4.0	1	6	
	6	4.0	2	8	
	7	4.0	3	10	
	8	4.0	4	12	
	9	4.0	5	14	



CURB RAMPS

CD-606-1.2

NO.		DATE		DESCRIPTION	
PRELIMINARY & FINAL MAJOR SITE PLAN 292 ROUTE 206 - TACO BELL RESTAURANT PUBLIC SIDEWALK CURB RAMP 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 SCALE: N/A CHECKED BY: BNP		PROJECT NUMBER: 22-166 SHEET NO. 16 OF 16		DATE: 12-02-22	