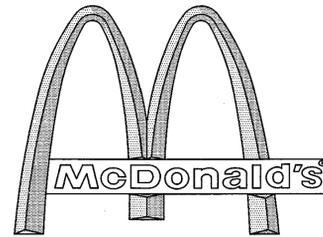


# SITE DEVELOPMENT PLANS

FOR:  
PROPOSED



WITH DRIVE-THRU

LOCATION OF SITE:

1080 KINGS HIGHWAY, CITY OF NEW BEDFORD

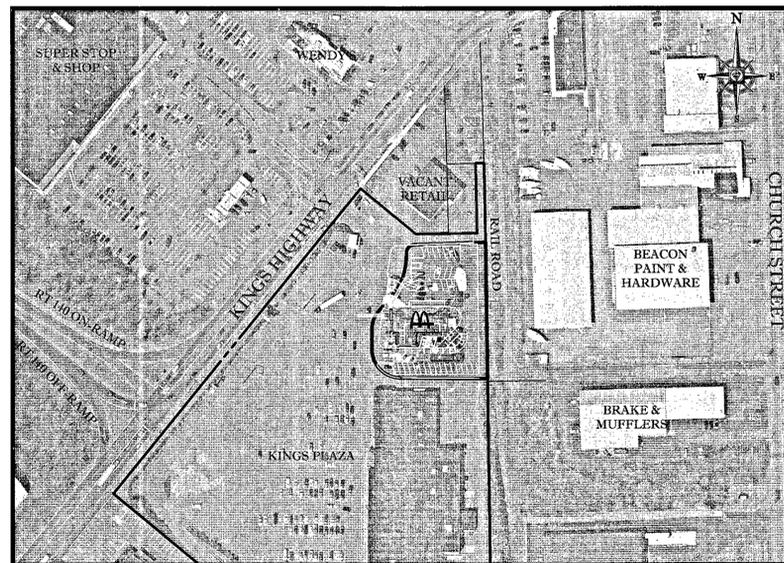
BRISTOL COUNTY, MASSACHUSETTS

MAP 125, LOT 29, BK 8820, PG 194



LOCATION MAP

SCALE: 1"=1000'  
PLAN REFERENCE: USGS NEW BEDFORD NORTH QUADRANGLE



AREA PLAN

SCALE: 1"=150'

SHEET TITLE	SHEET NUMBER
COVER SHEET	C-1 OF 15
GENERAL NOTES SHEET	C-2 OF 15
DEMOLITION PLAN	C-3 OF 15
OVERALL SITE PLAN	C-4 OF 15
SITE PLAN	C-5 OF 15
GRADING & DRAINAGE PLAN	C-6 OF 15
UTILITY PLAN	C-7 OF 15
SOIL EROSION & SEDIMENT CONTROL PLAN	C-8 OF 15
SOIL EROSION CONTROL NOTES & DETAILS SHEET	C-9 OF 15
LANDSCAPE PLAN	C-10 OF 15
LANDSCAPE NOTES & DETAILS SHEET	C-11 OF 15
LIGHTING PLAN	C-12 OF 15
DETAIL SHEET	C-13 OF 15
DETAIL SHEET	C-14 OF 15
DETAIL SHEET	C-15 OF 15
ALTA/ACSM LAND TITLE SURVEY (BY OTHERS)	1 OF 2
ALTA/ACSM LAND TITLE SURVEY (BY OTHERS)	2 OF 2
BUILDING ELEVATIONS (BY OTHERS)	
BUILDING FLOOR PLAN (BY OTHERS)	

SHEET INDEX

**OWNER:**  
CEDAR-KINGS, LLC  
C/O CEDAR REALTY TRUST, INC.  
44 SOUTH BAYLES AVENUE, SITE 304

**APPLICANT:**  
MCDONALD'S USA, LLC  
C/O BOHLER ENGINEERING  
352 TURNPIKE ROAD  
SOUTHBOROUGH, MA 01772

**GENERAL NOTES:**

- BASES, ANCHOR BOLTS, CONDUIT, AND WIRING FOR ALL OTHER SIGNS ARE BY THE GENERAL CONTRACTOR.
- 3/4" EMPTY CONDUIT TO LOCATIONS SHOWN AT THE LOT PERIMETER FOR LOT LIGHTING IS BY THE GENERAL CONTRACTOR. LIGHTING FIXTURES, BASES, POLES, CONDUIT, AND WIRING ARE BY THE OWNER/OPERATOR.
- BASES FOR FLAGPOLES ARE BY THE GENERAL CONTRACTOR. ANCHOR BOLTS ARE BY THE FLAGPOLE SUPPLIER.
- PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EXISTING UTILITY. REFER TO THE BUILDING ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
- ALL ELEVATIONS SHOWN ARE BASED UPON, NAVD 88 PER SURVEY NOTE #7.
- ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 6" BELOW TOP OF ALL WALKS AND CURBS. FINISH GRADING, LANDSCAPING, AND SPRINKLER SYSTEMS ARE BY THE OWNER/OPERATOR.
- LOT LIGHTING CONCRETE FOOTINGS TO CONFORM WITH THE SOILS REPORT RECOMMENDATIONS FOR THIS PARTICULAR SITE. FOUNDATION DESIGN AND CONSTRUCTION IS BY THE GENERAL CONTRACTOR.

**PAVING SPECIFICATION**  
(SEE PAVEMENT DETAILS)

**FLEXIBLE PAVEMENT SECTION:**  
1.5" M.04.02-CLASS 2 TOP COURSE  
1.5" M.04.02-CLASS 1 BASE COURSE  
12.0" M.02.06 TYPE C PROCESSED GRAVEL SUBBASE

**RIGID PAVEMENT SECTION:**  
6.0" 4500 PSI AIR-ENTRAINED CONCRETE  
9.0" 4500 PSI AIR-ENTRAINED CONCRETE AT TRASH ENCLOSURE  
12.0" M.02.06 TYPE C PROCESSED GRAVEL SUBBASE

NOTE: FINAL PAVEMENT SPECIFICATIONS TO BE COORDINATED WITH GEOTECHNICAL REPORT RECOMMENDATIONS. MCDONALD'S ENGINEER RESERVES THE RIGHT TO REQUEST A COMPACTION TEST AND/OR A CORE SAMPLE. IF TESTS PROVE CORRECT, PER ABOVE SPECIFICATION. TESTS WILL BE AT THE EXPENSE OF MCDONALD'S. OTHERWISE, G.C. WILL BE CHARGED.

**LOT LIGHTING SUPPLIED BY**

SECURITY LIGHTING SYSTEMS  
1085 JOHNSON DRIVE  
BUFFALO GROVE, IL 60089  
(800) 544 4848

NOTE: ELECTRICAL CONTRACTOR TO CIRCUIT LOT LIGHTING AS NOTED.

**PARKING INFORMATION**

TOTAL SPACES <b>35</b>	30 PROPOSED SPACES	9.0' x 20.0' @ 75°
	3 PROPOSED SPACES	9.0' x 20.0' @ 90°
	2 PROPOSED HANDICAPPED SPACES	8.0' x 20.0' @ 75°

**UTILITY INFORMATION**

	SIZE	TYPE	LOCATION
SANITARY SEWER	6" & 36"	PVC & RCP	ON-SITE
WATER	4" & 10"	DI	ON-SITE
STORM SEWER	N/A	N/A	N/A
ELECTRIC	TBD	TBD	ON-SITE
GAS	TBD	TBD	ON-SITE

**SURVEY INFORMATION**

PREPARED BY: CONTROL POINT ASSOCIATES, INC.  
352 TURNPIKE ROAD  
SOUTHBOROUGH, MA 01772  
JOB #: CM14215  
DATE: NOVEMBER 24, 2014  
REVISED: MAY 14, 2015

**EXISTING CONDITIONS LEGEND**

- 124 EXISTING CONTOUR
- 125 EXISTING SPOT ELEVATION
- 123.45 EXISTING SPOT ELEVATION
- HYDRANT
- WATER VALVE
- OH OVERHEAD WIRES
- E APPROX. LOC. UNDERGROUND ELEC. LINE
- T APPROX. LOC. UNDERGROUND TELE. LINE
- W APPROX. LOC. UNDERGROUND WATER LINE
- UTILITY POLE
- UTILITY POLE/LIGHT POLE
- GUY WIRE
- SIGN
- BOLLARD
- AREA LIGHT
- PAY PHONE
- PAINTED ARROWS
- PARKING SPACE COUNT
- RR TIE WALL

STREET ADDRESS  
1080 KINGS HIGHWAY

CITY NEW BEDFORD STATE MASSACHUSETTS

COUNTY BRISTOL COUNTY

SITE ID # 020-0128 PLAN DESCRIPTION COVER SHEET

REV	DATE	DESCRIPTION
1	9/15/15	REVISIONS PER STAFF COMMENT
2	9/28/15	REVISIONS PER PEER REVIEW COMMENT
3	10/5/15	REVISIONS PER PEER REVIEW COMMENT
4	01/21/16	REVISIONS PER PLAYPLACE ADDITION



**McDonald's**  
THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF MCDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.  
NORTHEAST REGION  
890 CANTON STREET  
WESTWOOD, MA

PLAN APPROVALS	DATE	BY
SIGNATURE		
APPROVED MCDONALD'S AGENT		

STATUS 8/12/15 BY EGD

DRAWN BY: 8/12/15 EGD

AS-BUILT SHEET NO. C-1 OF 15

**BOHLER ENGINEERING**  
352 TURNPIKE ROAD  
SOUTHBOROUGH, MA 01772  
Phone: (508) 480-9900  
Fax: (508) 480-9080  
www.BohlerEngineering.com

CIVIL & CONSULTING ENGINEERS  
SURVEYORS  
PROJECT MANAGERS  
ENVIRONMENTAL CONSULTANTS  
LANDSCAPE ARCHITECTS

OFFICES: WARREN, NJ; UPSTATE NEW YORK; BOSTON, MA; NEW YORK METRO; PHILADELPHIA/SOUTHERN NJ; LEHIGH VALLEY, PA; SOUTH-EASTON, PA; BALTIMORE, MD; SOUTHERN MARYLAND; NORTHERN VIRGINIA; WASHINGTON, DC; CENTRAL VIRGINIA; CHARLOTTE, NC; RALEIGH, NC

PROJECT No.: W142005  
CAD I.D. #: W142005s4.dwg

P:\1414\142005\DWG\142005s4.dwg, 01-Cover, 1/21/2016, 8:56:51 AM, J. Henry, Nemo, ASDA, (8.50 x 11.00 inches), 12.58K

GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SUBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS.

- 1. THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:
\* ALTA/CASM LAND TITLE SURVEY, PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED 11/24/14, REVISED THRU 05/14/15.
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST VERIFY THAT HE/SHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE. THIS IS CONTRACTOR'S RESPONSIBILITY.
2. ALL ACCESSIBLE (AKA ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE 'AMERICANS WITH DISABILITIES ACT' (ADA) CODE (42 U.S.C. § 12101 et seq. AND 42 U.S.C. § 4151 et seq.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THE PROJECT IS TO BE CONSTRUCTED, AND ANY AND ALL AMENDMENTS TO BOTH WHICH ARE IN EFFECT WHEN THESE PLANS ARE COMPLETED.
3. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND CONFIRMED THAT ALL NECESSARY OR REQUIRED PERMITS HAVE BEEN OBTAINED. CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
4. THE OWNER/CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
5. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT.
6. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SHALL TAKE PRECEDENCE OVER THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
7. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
8. ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
9. CONTRACTOR MUST REFER TO THE ARCHITECTURAL BUILDING PLANS 'OF RECORD' FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
10. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE LATEST ARCHITECTURAL PLANS INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE. CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER, IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OR AMBIGUITIES WHICH EXIST.
11. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL GOVERNMENTAL AUTHORITIES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER CONTRACTOR.
12. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH OSHA STANDARDS AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT, NEARBY AND CONTIGUOUS STRUCTURES AND OPERATIONS.
13. THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. CONTRACTOR RESPONSE WILL BE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA FOR THIRD PARTIES, PEDESTRIANS AND ANYONE INVOLVED WITH THE PROJECT.
14. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, REPAIRS, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT BE LIMITED TO, REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR AND MUST REPLACE ALL SIGNAL INTERSECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE CONDITIONS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION, AND IN CONFORMANCE WITH APPLICABLE CODES, LAWS, RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES. CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
15. ALL CONCRETE MUST BE AIR ENTRAINED AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
16. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEAN, METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DESCRIBED BOTH ON THESE PLANS, AND FOR ANY CONFLICT/SUBJECT REVISIONS WHICH RESULT FROM SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
17. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE FOR JOB SITE SAFETY. SAME SHALL BE THE RESPONSIBILITY OF ENGINEERS SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES, AT ANY TIME.
18. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKERS COMPENSATION INSURANCE, EMPLOYERS LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (GGL). ALL CONTRACTORS MUST HAVE THEIR GGL POLICES ENDORSED TO INCLUDE BOHLER ENGINEERING AND ITS PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR ONE YEAR AFTER THE COMPLETION OF CONSTRUCTION. IN ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER ENGINEERING AND ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES, INJURIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEY'S FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS, ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED TO THE PROJECT. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF ITS INSURANCE HEREUNDER.
19. BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHEN ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
20. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING AND/OR ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSIGHT AND COORDINATION OF CONSTRUCTION DOCUMENTS AND COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER ENGINEERING AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND MUST BE NAMED AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTORS POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN NOTE 19 FOR JOB SITE SAFETY.
21. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, IN ACCORDANCE WITH PARAGRAPH 19 HEREIN, FOR AND FROM ALL FINES, ATTORNEY'S FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME.
22. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL, EITHER IN THE R.O.W. OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTORS PRICE.
23. ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCAL ADOPTED SUPPLEMENT.
24. ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM CONTRACTORS FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS. IF CONTRACTOR AND/OR OWNER FAIL BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS.
25. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, IN STRICT ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN AND, FURTHER ENGINEER IS NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
26. ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED OTHERWISE.
27. ALL CONSTRUCTION AND MATERIALS MUST COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, ORDINANCES, RULES AND CODES, AND ALL APPLICABLE OSHA REQUIREMENTS.
28. CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURERS STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
29. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH EPA REQUIREMENTS FOR SITES WHERE ONE (1) ACRE OR MORE (UNLESS THE LOCAL JURISDICTION REQUIRES FEWER) IS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ACTIVITIES, INCLUDING THOSE OF SUBCONTRACTORS, ARE IN COMPLIANCE WITH THE SWPPP, INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE.
30. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICABLE DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER, THE USE OF THE WORDS 'CERTIFY' OR 'CERTIFICATION' IN CONNECTION WITH THE INFORMATION CONTAINED HEREIN IS THE SUBJECT OF THE UNDERSTANDING OF THE PROFESSIONAL KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED.

GENERAL GRADING & UTILITY PLAN NOTES

- 1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS MUST BE INDEPENDENTLY CONFIRMED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES MUST IMMEDIATELY BE REPORTED, IN WRITING, TO THE ENGINEER. CONSTRUCTION MUST COMMENCE BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE, REFER TO, AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION, AT NO COST TO THE OWNER. CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR TO THE APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTORS FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTORS FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES AND, FURTHER, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SAME.
4. THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE AND INACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE ACTIVITY.
5. THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMONSTRATION AS IDENTIFIED OR REQUIRED FOR THE PROJECT. THE CONTRACTOR MUST PROVIDE THE OWNER WITH WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH THE JURISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
6. THE CONTRACTOR MUST INSTALL ALL STORM SEWER AND SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.
7. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS AND/OR CONTROL OF THE SITE AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY INTERCONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE, WHERE A CONFLICT(S) EXISTS BETWEEN THESE SITE PLANS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME.
8. WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MUST INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE. CONTRACTOR MUST CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION.
9. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
10. SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS MUST BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. SUBGRADE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. MUST BE SUBGRADE BE OBTAINED/DEVELOPED AND FILLED WITH APPROVED ALL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT. EARTHWORK ACTIVITIES INCLUDING, BUT NOT LIMITED TO, EXCAVATION, BACKFILL, AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
11. ALL FILL, COMPACTED, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND MUST BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS, FILL AND COMPACTION MUST, AT A MINIMUM, COMPLY WITH THE STATE DOT REQUIREMENTS AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL, COMPACTED AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR EARTHWORK BALANCE.
12. THE CONTRACTOR MUST COMPLY TO THE FULLEST EXTENT, WITH THE LATEST OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE 'MEANS AND METHODS' REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS COMPLY FOR EXCAVATION AND/OR TRENCHING PROCEDURES AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS RELATED TO OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES.
13. PAVEMENT MUST BE SLOD UP IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
14. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
15. DURING THE INSTALLATION OF SANITARY SEWER, STORM SEWER, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE FROM THE INFORMATION CONTAINED IN THE UTILITY PLAN. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER AT THE COMPLETION OF WORK.
16. WHEN THE SITE IMPROVEMENT PLANS INVOLVE MULTIPLE BUILDINGS, SOME OF WHICH MAY BE BUILT AT A LATER DATE, THE CONTRACTOR MUST EXTEND ALL LINES, INCLUDING BUT NOT LIMITED TO STORM SEWER, SANITARY SEWER, UTILITIES, AND IRRIGATION LINE, TO A POINT AT LEAST FIVE (5) FEET BEYOND THE PAVED AREAS FOR WHICH THE CONTRACTOR IS RESPONSIBLE. CONTRACTOR MUST CAP ENDS AS APPROPRIATE. MARK LOCATIONS WITH A 'X' AND MUST NOTE THE LOCATION OF ALL OF THE ABOVE ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER UPON COMPLETION OF THE WORK.
17. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. CONTRACTOR MUST CONDUCT A MINIMUM OF ONE (1) GROUND SURVEY, CUTTERS, AND CURBS, 10% ON ALL CONCRETE SURFACES, AND 15% MINIMUM ON ASPHALT EXCEPT WHERE ADA REQUIREMENTS OR EXISTING TOPOGRAPHY LIMIT GRADATIONS, TO PREVENT PONDING, CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, OF ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY, HEALTH OR GENERAL WELFARE, OR PROJECT COST. IF CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER NOTIFICATION, MUST BE AT THE CONTRACTORS OWN RISK AND, FURTHER, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS THE DESIGN ENGINEER FOR ANY DAMAGES, COSTS, INJURIES, ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM SAME.
18. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF .07% GUTTER GRADE ALONG CURB FACE. IT IS THE CONTRACTOR'S OBLIGATION TO ENSURE THAT DESIGN ENGINEER APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION OF SAME.
19. REFER TO THIS SHEET FOR ADDITIONAL NOTES.
20. IN THE EVENT OF DISCREPANCIES AND/OR CONFLICTS BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE AND CONTROL. CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER, IN WRITING, OF ANY DISCREPANCIES AND/OR CONFLICTS.
21. CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING WORK ANY WORK.
22. WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON PLANS, ELEVATIONS IDENTIFIED ARE FOR THE EXPOSED PORTION OF THE WALL. WALL FOOTINGS/FOUNDATION ELEVATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO BE DETERMINED BY THE CONTRACTOR BASED ON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS.
23. STORM DRAINAGE PIPE/LESS INDICATED OTHERWISE, ALL STORM SEWER PIPE MUST BE REINFORCED CONCRETE PIPE (RCP) CLASS II WITH SALT TIGHT JOINTS. WHEN HIGH-DENSITY POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS, IT MUST CONFORM TO AASHTO M281 AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT TIGHT JOINT. PVC PIPE FOR RCP DRAIN CONNECTION MUST BE SDR 26 OR SCHEDULE 40 UNLESS INDICATED OTHERWISE.
24. SANITARY SEWER PIPE MUST BE POLYVINYL CHLORIDE (PVC) SDR 35 EXCEPT WHERE INDICATED OTHERWISE. SANITARY LATERAL MUST BE PVC SCHEDULE 40 OR PVC SDR 26 UNLESS INDICATED, IN WRITING, OTHERWISE.
25. STORM AND SANITARY SEWER PIPE LENGTHS INDICATED ARE NOMINAL AND MEASURED CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE.
26. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS. CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON FINAL ARCHITECTURAL PLANS.
27. SEWERS CROSSING STREAMS AND/OR LOCATION WITHIN 10 FEET OF THE STREAM EMBANKMENT, OR WHERE SITE CONDITIONS SO INDICATE, MUST BE CONSTRUCTED OF STEEL, REINFORCED CONCRETE, DUCTILE IRON OR OTHER SUITABLE MATERIAL.
28. SEWERS CONVEYING SANITARY FLOW COMBINED SANITARY AND STORMWATER FLOW OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY IF SUCH LATERAL SEPARATION IS NOT POSSIBLE. THE PIPES MUST BE IN SEPARATE TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENT AGENCY WITH JURISDICTION OVER SAME.
29. WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER MUST BE PROVIDED.
30. CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SEWER, WATER AND STORM SYSTEMS, MUST BE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND/OR DOT DETAILS AS APPLICABLE. CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK WITH THE AGENCY WITH JURISDICTION OVER SAME.
31. WHERE BASEMENTS ARE TO BE PROVIDED FOR PROPOSED DWELLING UNITS, THE DEVELOPER SHALL, BY BORING OR BY TEST PIT, DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED DWELLINGS, WHERE GROUNDWATER IS ENCOUNTERED IN THE BASEMENT AREA. BASEMENTS WILL NOT BE INSTALLED UNLESS PROPOSED CONSTRUCTION METHODS ARE UTILIZED, TO BE REVIEWED AND APPROVED BY THE MUNICIPAL CONSTRUCTION CODE OFFICIAL. IF AND WHERE SUMP PUMPS ARE INSTALLED, ALL DISCHARGES MUST BE CONNECTED TO THE STORM SEWER, A CLEANOUT MUST BE PROVIDED PRIOR TO THE CONNECTION TO THE STORM DRAIN IN ORDER THAT BLOCKAGES CAN BE ADRESSED.
32. LOCATION OF PROPOSED UTILITY POLE RELOCATION IS AT THE SOLE DISCRETION OF UTILITY COMPANY.
33. CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY.

ADA INSTRUCTIONS TO CONTRACTOR:

- CONTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (HANDICAP) ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR THE SITE. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH ALL APPLICABLE STATE AND LOCAL ACCESSIBILITY LAWS AND REGULATIONS AND THE CURRENT ADA AND/OR STATE ARCHITECTURAL ACCESS BOARD STANDARDS AND REGULATIONS' BARRIER FREE ACCESS AND ANY MODIFICATIONS, REVISIONS OR UPDATES TO SAME. FINISHED SURFACES FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RAISE CIRCUMSTANCES, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS, IN WRITING, BEFORE COMMENCEMENT OF WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA REQUIREMENTS.
• PARKING SPACES AND PARKING ASILES - SLOPE SHALL NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
• CURB RAMP - SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.
• LANDINGS - MUST BE PROVIDED AT EACH END OF RAMP; MUST PROVIDE POSITIVE DRAINAGE, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
• PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL. (CAR OVERHANGS AND/OR HANDRAILS CANNOT REDUCE THIS MINIMUM WIDTH). THE SLOPE MUST NOT BE GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN CROSS SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), ADA RAMP MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3%), FOR A MAXIMUM RISE OF 2.5 FEET, MUST BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND 'LEVEL' LANDINGS ON EACH END THAT ARE CROSS SLOPED NO MORE THAN 1:50 IN ANY DIRECTION (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE.
• DOORWAYS - MUST HAVE A 'LEVEL' LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED AWAY FROM THE DOOR NO MORE THAN 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO LESS THAN 60 INCHES (5 FEET) LONG, EXCEPT WHERE OTHERWISE PERMITTED BY ADA STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2003 AND OTHER REFERENCED INCORPORATED BY CODE.)
• WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, REVISION OR EXTENSION OF OR TO ADA COMPONENTS FROM EXISTING DOORWAYS OR SURFACES, CONTRACTOR MUST VERIFY EXISTING ELEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 403.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RAISE CIRCUMSTANCES, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS, IN WRITING, BEFORE COMMENCEMENT OF WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA REQUIREMENTS.
• THE CONTRACTOR MUST VERIFY THE SLOPES OF CONTRACTORS FORMS PRIOR TO POURING CONCRETE. IF ANY NON-COMFORMANCE IS OBSERVED OR EXISTS, CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND REPLACE NON-COMFORMING CONSTRUCTION.
IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

81 Know what's below. Call before you dig.
REFER TO LANDSCAPE NOTES & DETAILS FOR TYPICAL LANDSCAPE NOTES AND DETAILS
REFER TO LIGHTING PLAN PLAN FOR TYPICAL LIGHTING NOTES AND TABLES

GENERAL DEMOLITION NOTES

- THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
ALTA/CASM LAND TITLE SURVEY
1080 KINGS HIGHWAY
NEW BEDFORD, MA
PREPARED BY CONTROL POINT ASSOCIATES, INC.
SOUTH BOURNHOUGH MA
1124/14, REVISED THRU 05/14/15
JOB#CM4215
1. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 et seq.), AS AMENDED AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME.
2. BOHLER ENGINEERING HAS NO CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME.
3. THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION, ONLY, REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR MUST ALSO REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVEMENTS.
4. CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS, CONCERNING REGARDING THE APPLICABLE SAFETY STANDARDS, OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH BOHLER ENGINEERING, IN WRITING, AND RESPONDED TO BY SOILER, IN WRITING, PRIOR TO THE INITIATION OF ANY ACT AND ANY DEMOLITION ACTIVITY. ALL DEMOLITION ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.
5. PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR:
A. OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES WITH JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK.
B. NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION DISTRICT, 72 HOURS PRIOR TO THE START OF WORK.
C. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
D. IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARKOUT, IN ADVANCE OF ANY EXCAVATION.
E. LOCATING AND PROTECTING ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN AND ADJACENT TO THE LIMITS OF PROPOSED ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
F. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
G. ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE REQUIRED BY THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS.
H. COORDINATING WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES. WORK REQUIRED TO BE DONE "OFF-PEAK" IS TO BE DONE AT NO ADDITIONAL COST TO THE OWNER.
I. IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL, THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND SPECIFICATIONS, THE CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS.
6. THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.
7. THE CONTRACTOR MUST PROVIDE ALL 'MEANS AND METHODS' NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND WORKING FOR THE REMOVAL OF ALL DEBRIS THAT REMAINS ON THE SITE. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTORS SOLE EXPENSE.
8. THE CONTRACTOR MUST NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE UNLESS SAME IS IN ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER THE WRITTEN DIRECTION OF THE OWNERS' STRUCTURAL OR GEOTECHNICAL ENGINEER.
9. CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH APPROVED BACKFILL MATERIALS, AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND PERFORMED IN COMPLIANCE WITH THE RECOMMENDATIONS AND GUIDANCE IN THE GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREVENT WATER ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE DRAINAGE.
10. EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTRACT MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS MUST BE IN PLACE PRIOR TO CONTRACTOR STARTING AN EXPLOSIVE PROGRAM AND/OR STRUCTURE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
11. CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THE FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ADJACENT ROADWAY.
12. CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.
13. DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNER AND ALL GOVERNMENTAL AGENCIES WITH JURISDICTION.
14. THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVE ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR 'PRE-DEMOLITION' CONDITION.
15. CONTRACTOR IS RESPONSIBLE TO SECURE/ALLOTT THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.
16. CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH MUST INCLUDE, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
17. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION AS TO THE MEANS, METHODS, TECHNIQUES OR PROCEDURES THAT ARE REQUIRED TO ACCOMPLISH THE DEMOLITION AND IMPROVEMENTS TO REMOVE ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR MUST COMPLY WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MUST COMPLY WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
18. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH ALL MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE PROMPTLY PROVIDED TO THE OWNER UPON REQUEST.
19. CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPED, ABANDONED IN PLACE, OR RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OVER TO THE OWNER/DEVELOPER UPON COMPLETION OF THE WORK.
20. CONTRACTOR MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (HANDICAP) ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR THE SITE. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH ALL APPLICABLE STATE AND LOCAL ACCESSIBILITY LAWS AND REGULATIONS AND THE CURRENT ADA AND/OR STATE ARCHITECTURAL ACCESS BOARD STANDARDS AND REGULATIONS' BARRIER FREE ACCESS AND ANY MODIFICATIONS, REVISIONS OR UPDATES TO SAME. FINISHED SURFACES FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RAISE CIRCUMSTANCES, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS, IN WRITING, BEFORE COMMENCEMENT OF WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA REQUIREMENTS.

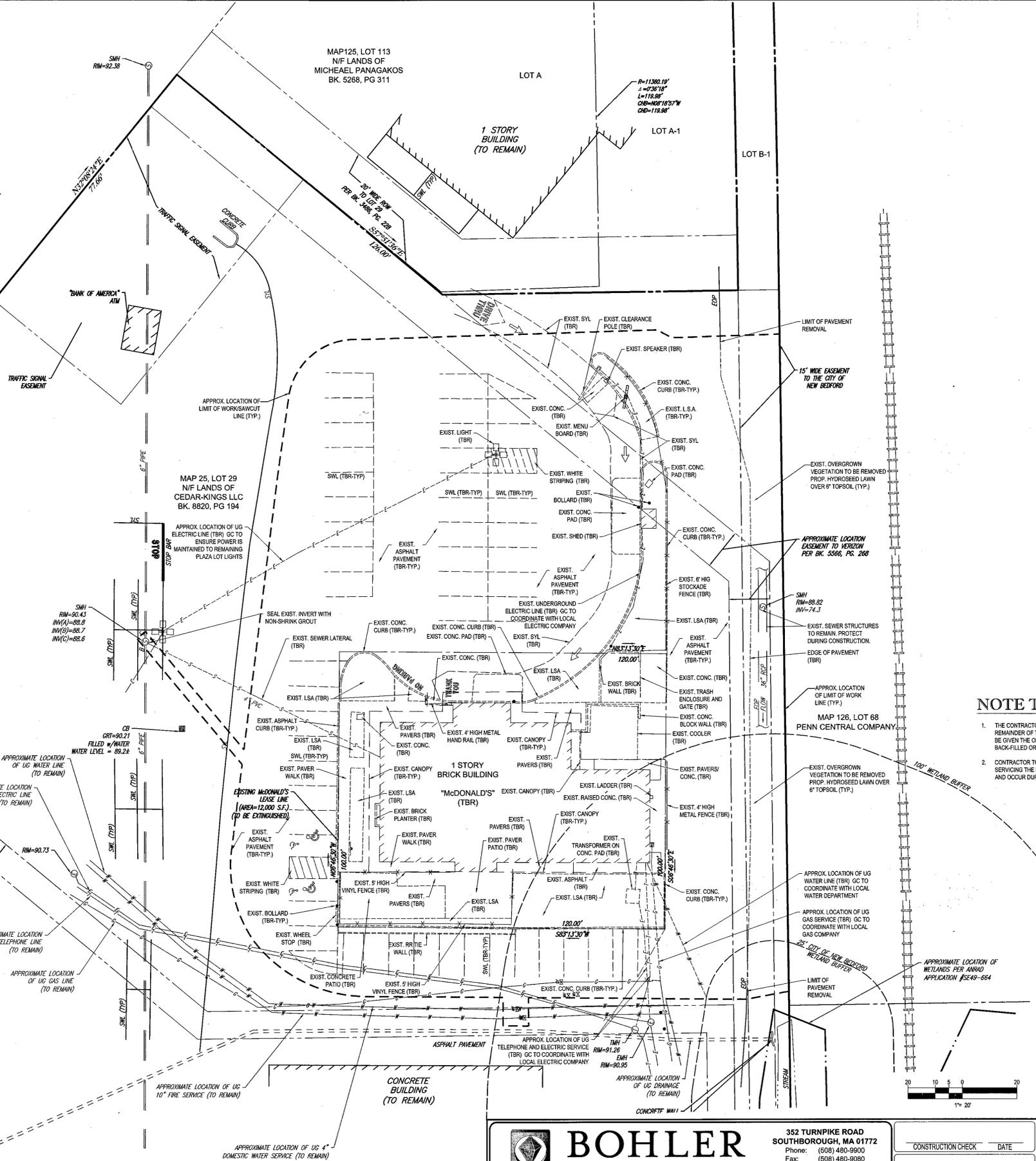
REFER TO SITE PLAN FOR ZONING ANALYSIS

REFER TO SOIL EROSION CONTROL NOTES & DETAILS SHEET FOR TYPICAL EROSION NOTES AND DETAILS

TYPICAL ABBREVIATIONS table with columns: KEY, DESCRIPTION, KEY, DESCRIPTION. Includes items like BC BOTTOM CURB, TC TOP CURB, BOC BACK OF CURB, BW BOTTOM OF WALL GRADE, TW TOP OF WALL, EXIST. EXISTING



**KINGS HIGHWAY**  
 1989 STATE HIGHWAY LAYOUT  
 (PUBLIC WIDTH VARIES)  
 (NO ACCESS)



**NOTE TO CONTRACTOR:**

1. THE CONTRACTOR MUST COORDINATE ANY UTILITY WORK SO AS NOT TO DISRUPT IN ANY WAY SERVICE TO THE REMAINDER OF THE PROPERTY OUTSIDE OF THE McDONALD'S LEASE AREA. LANDLORD SHALL HAVE THE RIGHT AND BE GIVEN THE OPPORTUNITY TO INSPECT ALL NEW UTILITY CONNECTIONS, PIPE, CONDUIT, ETC. BEFORE IT IS BACK-FILLED OR COVERED UP. LIKEWISE FOR ANY UTILITY CONNECTIONS BEING ABANDONED.
2. CONTRACTOR TO LOCATE ALL UTILITIES AND TAKE ALL NEEDED PRECAUTIONS NOT TO DISRUPT ANY UTILITIES SERVING THE LANDLORD'S PROPERTY. ANY WORK INVOLVING A DISRUPTION MUST BE COORDINATED IN ADVANCE AND OCCUR DURING NON-BUSINESS HOURS.

REFER TO GENERAL NOTES SHEET FOR DEMOLITION NOTES

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STREET ADDRESS 1080 KINGS HIGHWAY		STATUS	DATE	BY
CITY NEW BEDFORD	STATE MASSACHUSETTS	DRAWN BY:	8/12/15	EGD
COUNTY BRISTOL COUNTY		PLAN CHECKED		JAK
SITE ID # 020-0128	PLAN DESCRIPTION DEMOLITION PLAN	AS-BUILT		
		SHEET NO.	C-3 OF 15	

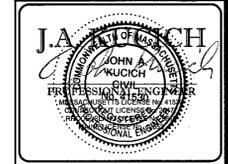
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- WASHINGTON, DC
- CENTRAL VIRGINIA
- CHARLOTTE, NC
- RALEIGH, NC

REV	DATE	DESCRIPTION
1	9/15/15	REVISIONS PER STAFF COMMENT
2	9/28/15	REVISIONS PER PEER REVIEW COMMENT
3	10/5/15	REVISIONS PER PEER REVIEW COMMENT
4	01/21/16	REVISIONS PER PLAYPLACE ADDITION



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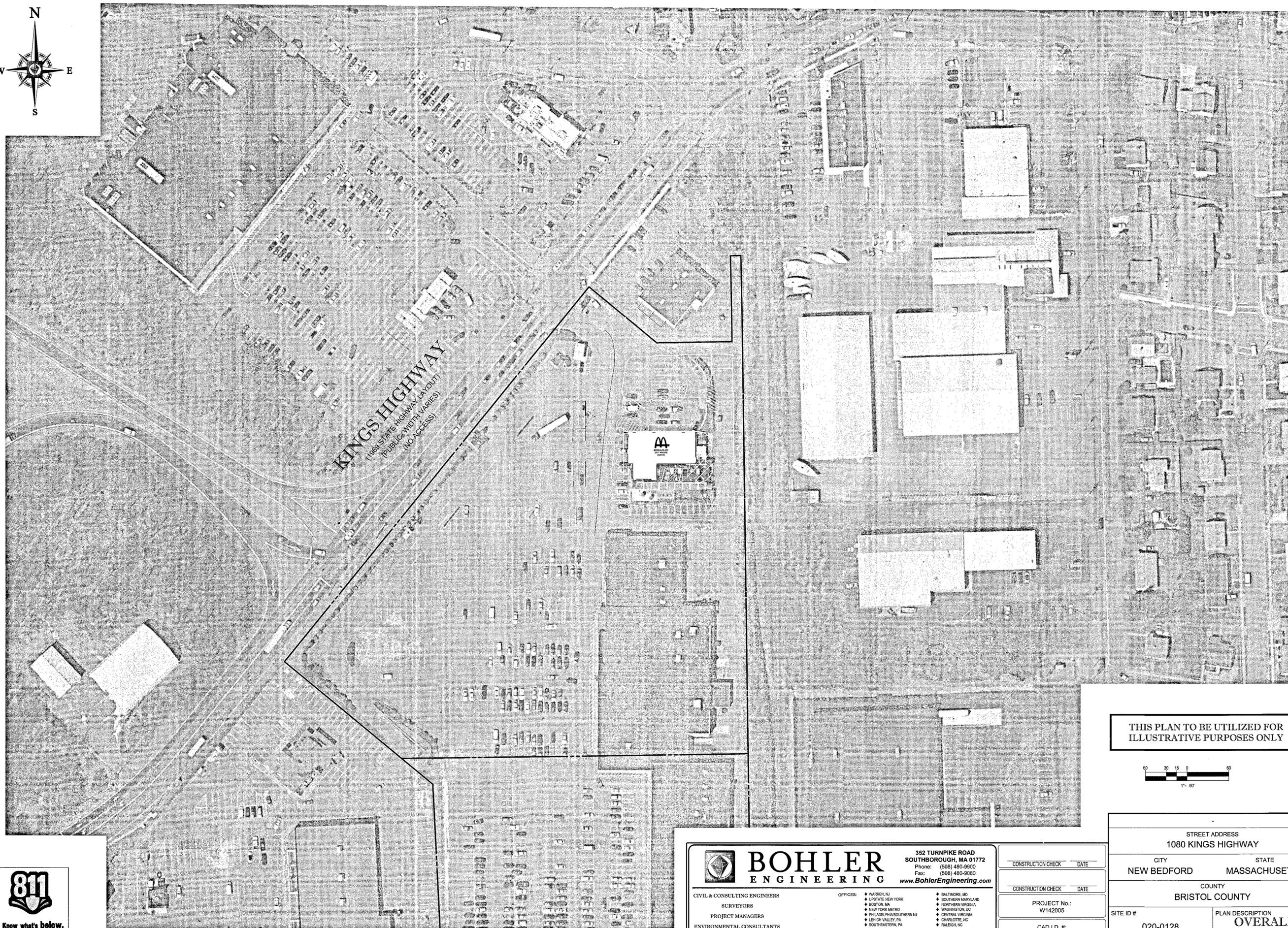
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DATE	SIGNATURE	APPROVED McDONALD'S AGENT
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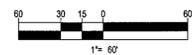


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**KINGS HIGHWAY**  
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CONSTRUCTION CHECK	DATE
CONSTRUCTION CHECK	DATE
PROJECT No.:	W142005
CAD I.D. #:	W142005ss4.dwg

STREET ADDRESS		1080 KINGS HIGHWAY	
CITY	STATE	NEW BEDFORD	MASSACHUSETTS
COUNTY			
BRISTOL COUNTY			
SITE ID #	PLAN DESCRIPTION		
020-0128	OVERALL SITE PLAN		

REV	DATE	DESCRIPTION	BY
1	9/15/15	REVISIONS PER STAFF COMMENT	BPB
2	9/28/15	REVISIONS PER PEER REVIEW COMMENT	BPB
3	10/5/15	REVISIONS PER PEER REVIEW COMMENT	EGD
4	01/21/16	REVISIONS PER PLAYPLACE ADDITION	CFD



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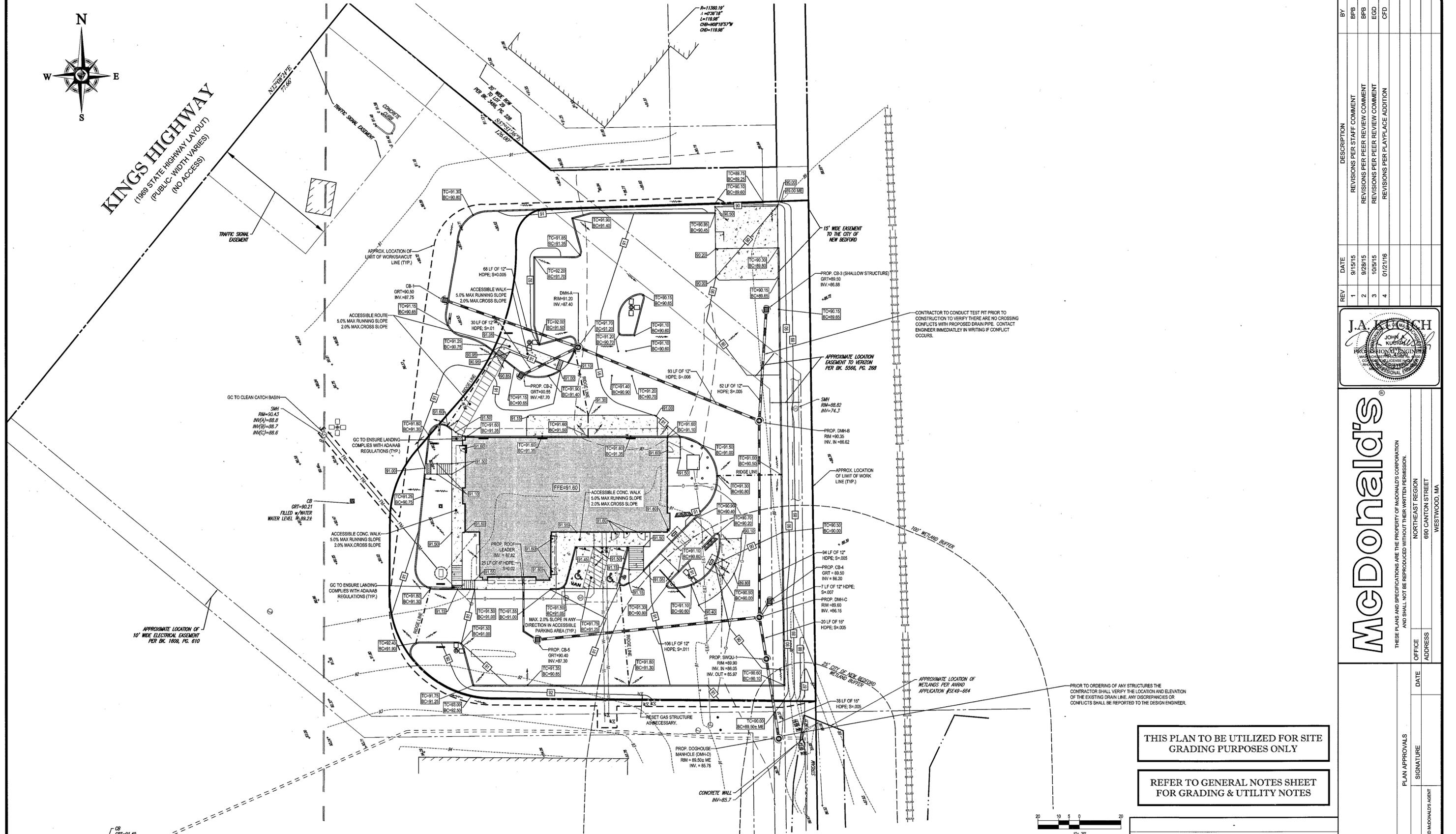
PLAN APPROVALS	DATE	BY
SIGNATURE		
APPROVED MCDONALD'S AGENT		
STATUS	DATE	BY
DRAWN BY:	8/12/15	EGD
PLAN CHECKED		JAK
AS-BUILT		
SHEET NO.		

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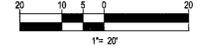


**KINGS HIGHWAY**  
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**REFER TO GENERAL NOTES SHEET FOR GRADING & UTILITY NOTES**



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 • NORTHERN VIRGINIA  
 • WASHINGTON, DC  
 • CENTRAL VIRGINIA  
 • CHARLOTTE, NC  
 • PALESTINE, PA

CONSTRUCTION CHECK	DATE
CONSTRUCTION CHECK	DATE
PROJECT No.:	W142005
CAD I.D. #:	W142005ss4.dwg

STREET ADDRESS		STATUS	DATE	BY
1080 KINGS HIGHWAY				
CITY	STATE	DRAWN BY:	8/12/15	EGD
NEW BEDFORD	MASSACHUSETTS	PLAN CHECKED		JAK
COUNTY		AS-BUILT		
BRISTOL COUNTY		SHEET NO.	C-6	
SITE ID #	PLAN DESCRIPTION			
020-0128	GRADING & DRAINAGE PLAN			
		OF 15		

REV	DATE	DESCRIPTION
1	9/15/15	REVISIONS PER STAFF COMMENT
2	9/28/15	REVISIONS PER PEER REVIEW COMMENT
3	10/5/15	REVISIONS PER PEER REVIEW COMMENT
4	01/21/16	REVISIONS PER PLAYPLACE ADDITION



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(NO ACCESS)

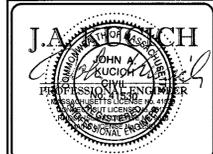
**CITY OF NEW BEDFORD CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL OBTAIN A STREET DISTURBANCE AND OBSTRUCTION PERMIT PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
2. ALL SEWER AND WATER MATERIALS AND CONSTRUCTION SHALL CONFORM TO CITY OF NEW BEDFORD REQUIREMENTS.
3. ALL WATER AND SEWER CONSTRUCTION SHALL BE INSPECTED BY THE CITY OF NEW BEDFORD BEFORE BEING BACK FILLED.
4. THE CITY SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE REQUIRED INSPECTIONS.

**NOTE TO CONTRACTOR:**

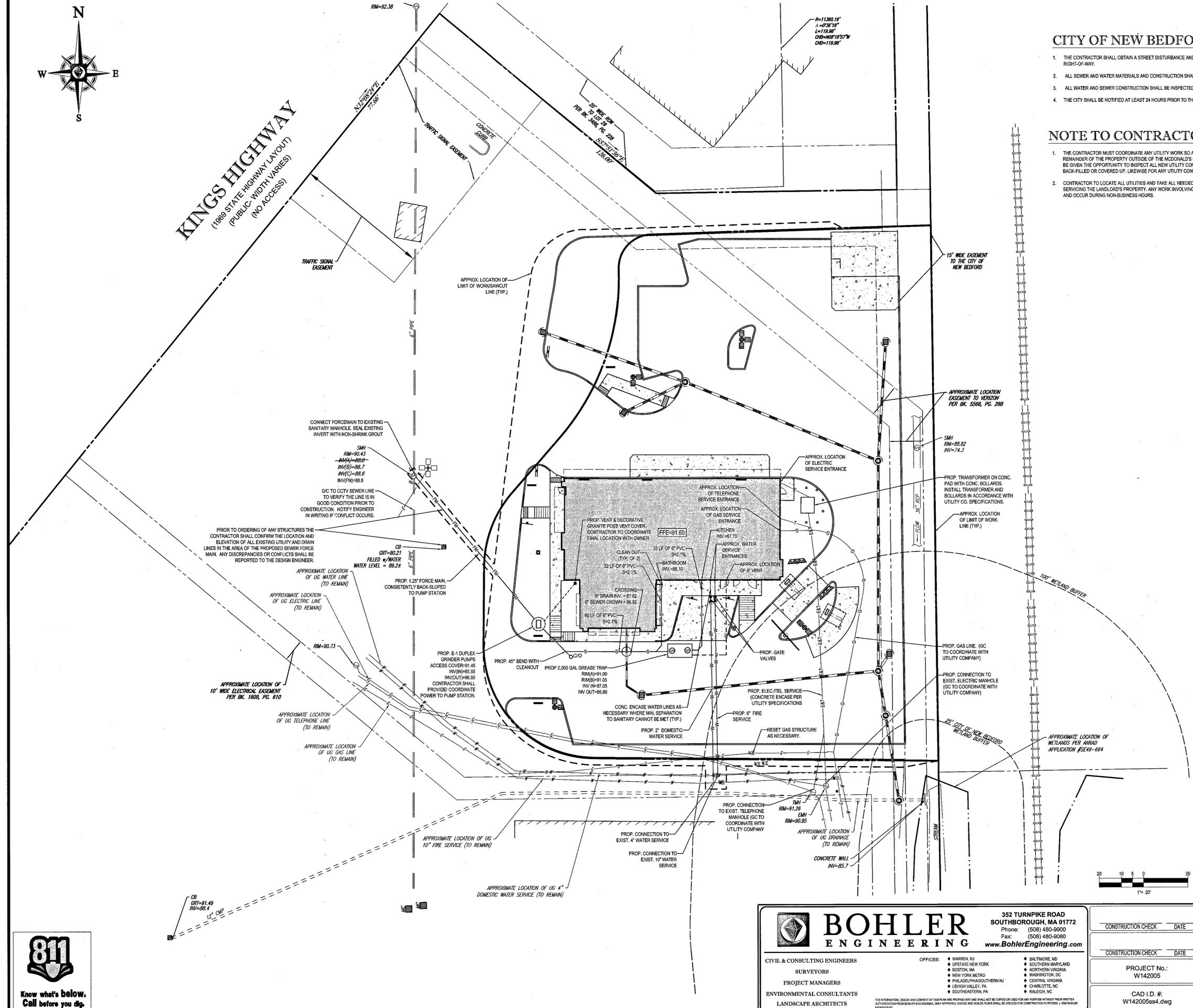
1. THE CONTRACTOR MUST COORDINATE ANY UTILITY WORK SO AS NOT TO DISRUPT IN ANY WAY SERVICE TO THE REMAINDER OF THE PROPERTY OUTSIDE OF THE MCDONALD'S LEASE AREA. LANDLORD SHALL HAVE THE RIGHT AND BE GIVEN THE OPPORTUNITY TO INSPECT ALL NEW UTILITY CONNECTIONS, PIPE, CONDUIT, ETC. BEFORE IT IS BACK FILLED OR COVERED UP. LIKEWISE FOR ANY UTILITY CONNECTIONS BEING ABANDONED.
2. CONTRACTOR TO LOCATE ALL UTILITIES AND TAKE ALL NEEDED PRECAUTIONS NOT TO DISRUPT ANY UTILITIES SERVING THE LANDLORD'S PROPERTY. ANY WORK INVOLVING A DISRUPTION MUST BE COORDINATED IN ADVANCE AND OCCUR DURING NON-BUSINESS HOURS.

REV	DATE	DESCRIPTION
1	9/15/15	REVISIONS PER STAFF COMMENT
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REFER TO GENERAL NOTES SHEET FOR GRADING & UTILITY NOTES

STREET ADDRESS 1080 KINGS HIGHWAY			STATUS	DATE	BY
CITY NEW BEDFORD	STATE MASSACHUSETTS		DRAWN BY:	8/12/15	EGD
COUNTY BRISTOL COUNTY			AS-BUILT		JAK
SITE ID # 020-0128	PLAN DESCRIPTION UTILITY PLAN		SHEET NO. C-7		OF 15

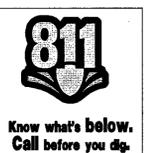
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 • RALEIGH, NC

CONSTRUCTION CHECK \_\_\_\_\_ DATE \_\_\_\_\_  
 CONSTRUCTION CHECK \_\_\_\_\_ DATE \_\_\_\_\_  
 PROJECT No.: W142005  
 CAD I.D. #: W142005ss4.dwg

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**KINGS HIGHWAY**  
 (1989 STATE HIGHWAY LAYOUT)  
 (PUBLIC WIDTH VARIES)  
 (NO ACCESS)

MAP125, LOT 113  
 N/F LANDS OF  
 MICHAEL PANAGAKOS  
 BK. 5268, PG 311

LOT A

LOT A-1

LOT B-1

**CITY OF NEW BEDFORD CONSTRUCTION NOTES:**

- SAFETY FENCING SHALL BE PROVIDED ON ALL STOCKPILES GREATER THAN 10' IN HEIGHT.
- ALL BMP EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DEMOLITION OR ANY SITE WORK.
- EROSION CONTROL BMP'S SHALL CONFORM TO US EPA, NPDES, MA DEP AND MASSACHUSETTS EROSION AND SEDIMENTATION CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS.
- MAINTENANCE SPECIFICATIONS FOR ALL PROPOSED EROSION AND SEDIMENTATION CONTROLS.

REV	DATE	DESCRIPTION
1	9/15/15	REVISIONS PER STAFF COMMENT
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3	10/5/15	REVISIONS PER PEER REVIEW COMMENT
4	01/21/16	REVISIONS PER PLAYPLACE ADDITION



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 REGION: NORTHEAST REGION

DATE	BY
8/12/15	EGD
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PLAN APPROVALS

SIGNATURE	DATE	BY
APPROVED McDONALD'S AGENT		

STATUS: AS-BUILT  
 SHEET NO.: C-8 OF 15

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MAP 25, LOT 29  
 N/F LANDS OF  
 CEDAR-KINGS LLC  
 BK. 8820, PG 194

AREA OF DISTURBANCE =  
 47,280 SF (1.08 ACRES)

MAP 126, LOT 68  
 PENN CENTRAL COMPANY

**THIS PLAN TO BE UTILIZED FOR SITE  
 SOIL AND EROSION CONTROL  
 PURPOSES ONLY**

**REFER TO SOIL EROSION CONTROL  
 NOTES & DETAIL SHEET FOR EROSION  
 NOTES AND DETAILS**

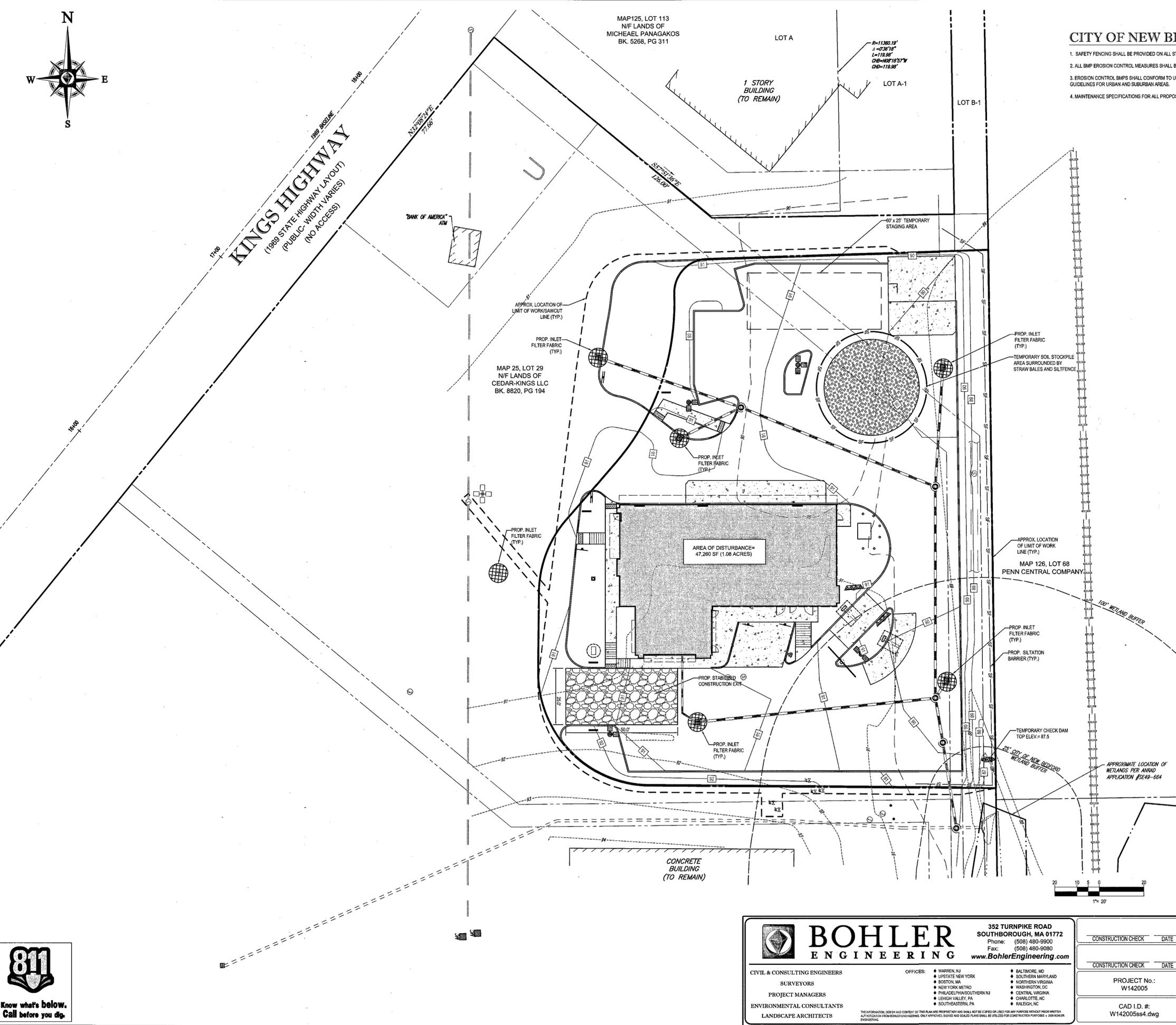
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CONSTRUCTION CHECK: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PROJECT No.: W142005  
 CAD I.D. #: W142005s4.dwg

STREET ADDRESS 1080 KINGS HIGHWAY	
CITY NEW BEDFORD	STATE MASSACHUSETTS
COUNTY BRISTOL COUNTY	
SITE ID # 020-0128	PLAN DESCRIPTION SOIL EROSION & SEDIMENT CONTROL PLAN



# EROSION & SEDIMENT CONTROL NOTES

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 90 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).
- SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- INSTALL SILT FENCE AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION. SILT FENCE WILL REMAIN IN PLACE PER NOTE #1.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPLOUSE ARE STABILIZED BY TURF.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1).
- IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED AS DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
  - SIX INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
  - APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHEN TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LBS PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE EQUIVALENT TO 30% CALCIUM PLUS MAGNESIUM OXIDE AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SF).
  - FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN QUALITY SOG MAY BE SUBSTITUTED FOR SEED.
  - HAY MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON HAY MULCH FOR WIND CONTROL.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.
- WETLANDS WILL BE PROTECTED WITH STRAW BALES AND/OR SILT FENCE INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.
- ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS.
- ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED.

LOCATION	MULCH	RATE (1000 SF)
PROTECT AREA	STRAW	100 POUNDS
WINDY AREA	SHREDDED OR CHOPPED CORNSTALKS STRAW (ANCHORED)*	185-275 POUNDS 100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCELISOR MAT	AS REQUIRED
GREATER THAN 3:1	(REFER TO GEOTECHNICAL REPORT FOR FINAL DESIGN REQUIREMENT)	

\* A HYDRO-APPLICATION OF WOOD OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND CONTROL.

**MULCH ANCHORING**  
ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD. BLOCK); MULCH NETTING (AS PER MANUFACTURER); WOOD CELLULOSE FIBER (750 LBS/ACRE); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK, WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

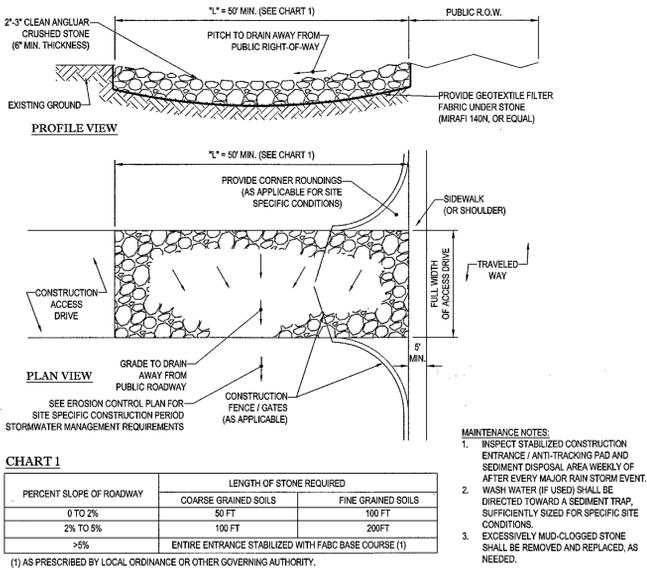
## EROSION CONTROL NOTES DURING WINTER CONSTRUCTION

- WINTER CONSTRUCTION PERIOD, NOVEMBER 1 THROUGH APRIL 15.
- WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
- CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.
- AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEED, MULCHED AND ABSOLUTELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
- BETWEEN THE DATES OF OCTOBER 15 AND APRIL 15TH, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEED AT A RATE OF 200 - 300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNPROTECTED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.
- MULCHING REQUIREMENTS:
  - BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER.
  - MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
  - MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.
- DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.
- STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE ANY DUST PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION RUNOFF.
- EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.

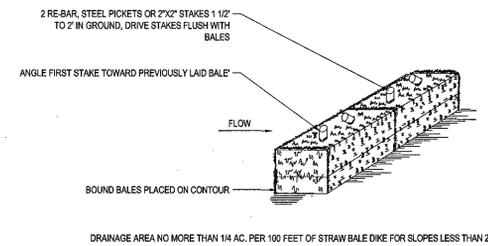
# CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

- INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE/EXIT (AS SHOWN)
- INSTALLATION OF EROSION CONTROL BARRIER (STRAW BALES AND SILT FENCE) (AS SHOWN)
- INSTALLATION OF INLET PROTECTION IN STREET (AS SHOWN)
- DEMOLITION OF EXISTING SITE STRUCTURES (SEE DEMOLITION PLAN)
- DEMOLITION OF EXISTING SITE PAVEMENT AND AMENITIES (SEE DEMOLITION PLAN)
- CLEARING AND GRUBBING
- INSTALLATION OF TEMPORARY SWALES AND SEDIMENT BASINS
- EARTHWORK AND EXCAVATION/FILLING AS NECESSARY
- CONSTRUCTION OF UTILITIES
- STABILIZE PERMANENT LAWN AREAS AND SLOPES WITH TEMPORARY SEEDING
- INSTALLATION OF INLET PROTECTION ON ON-SITE UTILITIES (AS SHOWN)
- CONSTRUCTION OF BUILDINGS
- CONSTRUCTION OF ALL CURBING AND LANDSCAPE ISLANDS AS INDICATED ON THE PLANS
- SPREAD TOPSOIL ON SLOPED AREAS AND SEED AND MULCH
- FINAL GRADING OF ALL SLOPED AREAS
- INSTALL 6" TOPSOIL ON SLOPES AFTER FINAL GRADING COMPLETED. FERTILIZE, SEED, AND MULCH SEED MIXTURE TO BE PLACED REQUIRED.
- REMOVAL OF THE TEMPORARY SEDIMENT BASINS
- PAVE PARKING LOT
- LANDSCAPING PER LANDSCAPING PLAN
- REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 70% STABILIZATION OR GREATER.



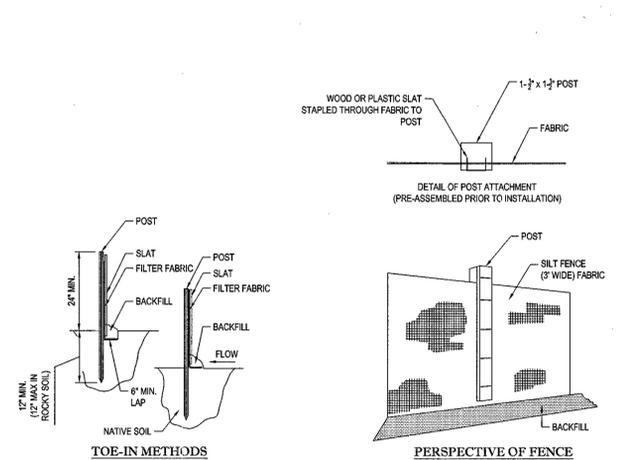
STABILIZED CONSTRUCTION ENTRANCE N.T.S.



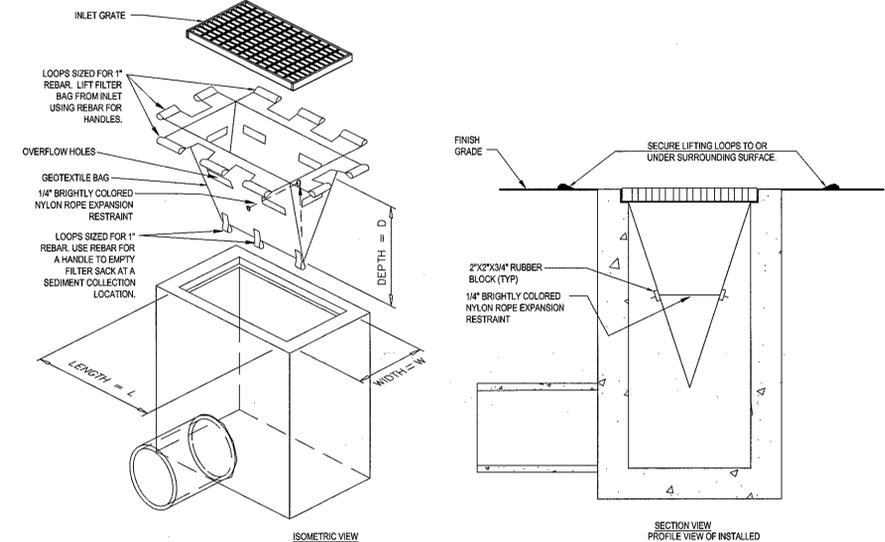
- NOTES:**
- BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
  - EACH BALE SHALL BE PLACED SO THE BINDINGS ARE HORIZONTAL.
  - BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
  - INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE PROMPTLY AS NEEDED.
  - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STRAW BALE DETAIL N.T.S.

- INSTALLATION:**
- EXCAVATE A 6"x6" TRENCH ALONG THE LINE OF EROSION CONTROL OF THE SITE.
  - UNROLL SILTATION FENCE AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM FLOW DIRECTION).
  - DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS LAYING AGAINST THE TRENCH BOTTOM.
  - LAY THE TOE-IN FLAP OF THE FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING FABRIC FLAP ON UNDISTURBED GROUND AND PLUGGING FILL AT THE GASK.



TYP. SILTATION FENCE DETAIL N.T.S.



FILTER SACKS (GRATED INLETS) N.T.S.

**LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE**

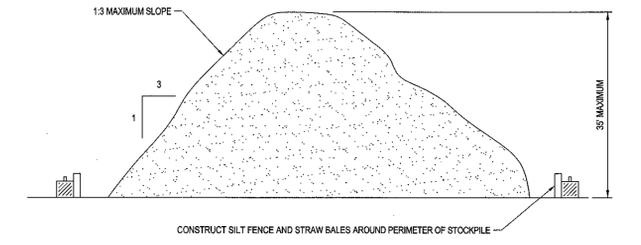
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

**MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE**

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	255 LBS
TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

- REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
- GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
- PLACE AN OIL ADSORBENT PAD OR FLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
- INSPECT PER REGULATORY REQUIREMENTS.
- THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
- THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
- THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

DO NOT USE IN PAVED AREAS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.  
 TO BE USED IN EXISTING RIGHT OF WAY



TEMPORARY STOCKPILE DETAIL N.T.S.

**BOHLER ENGINEERING**  
 352 TURNPIKE ROAD  
 SOUTHBOROUGH, MA 01772  
 Phone: (508) 480-9900  
 Fax: (508) 480-9080  
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**CIVIL & CONSULTING ENGINEERS**  
 SURVEYORS  
 PROJECT MANAGERS  
 ENVIRONMENTAL CONSULTANTS  
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- SOUTHERN MARYLAND
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- WASHINGTON, DC
- CENTRAL VIRGINIA
- CHARLOTTE, NC
- RALEIGH, NC

CONSTRUCTION CHECK	DATE
CONSTRUCTION CHECK	DATE
PROJECT No.:	W142005
CAD I.D. #:	W142005ss4.dwg

STREET ADDRESS 1080 KINGS HIGHWAY		CITY NEW BEDFORD	STATE MASSACHUSETTS
COUNTY BRISTOL COUNTY		SITE ID # 020-0128	PLAN DESCRIPTION SOIL EROSION CONTROL NOTES & DETAILS

STATUS	DATE	BY
DRAWN BY:	8/12/15	EGD
PLAN CHECKED		JAK
AS-BUILT		
SHEET NO.	C-9 OF 15	



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 OFFICE ADDRESS  
 NORTH-EAST REGION  
 690 CANTON STREET  
 WESTWOOD, MA

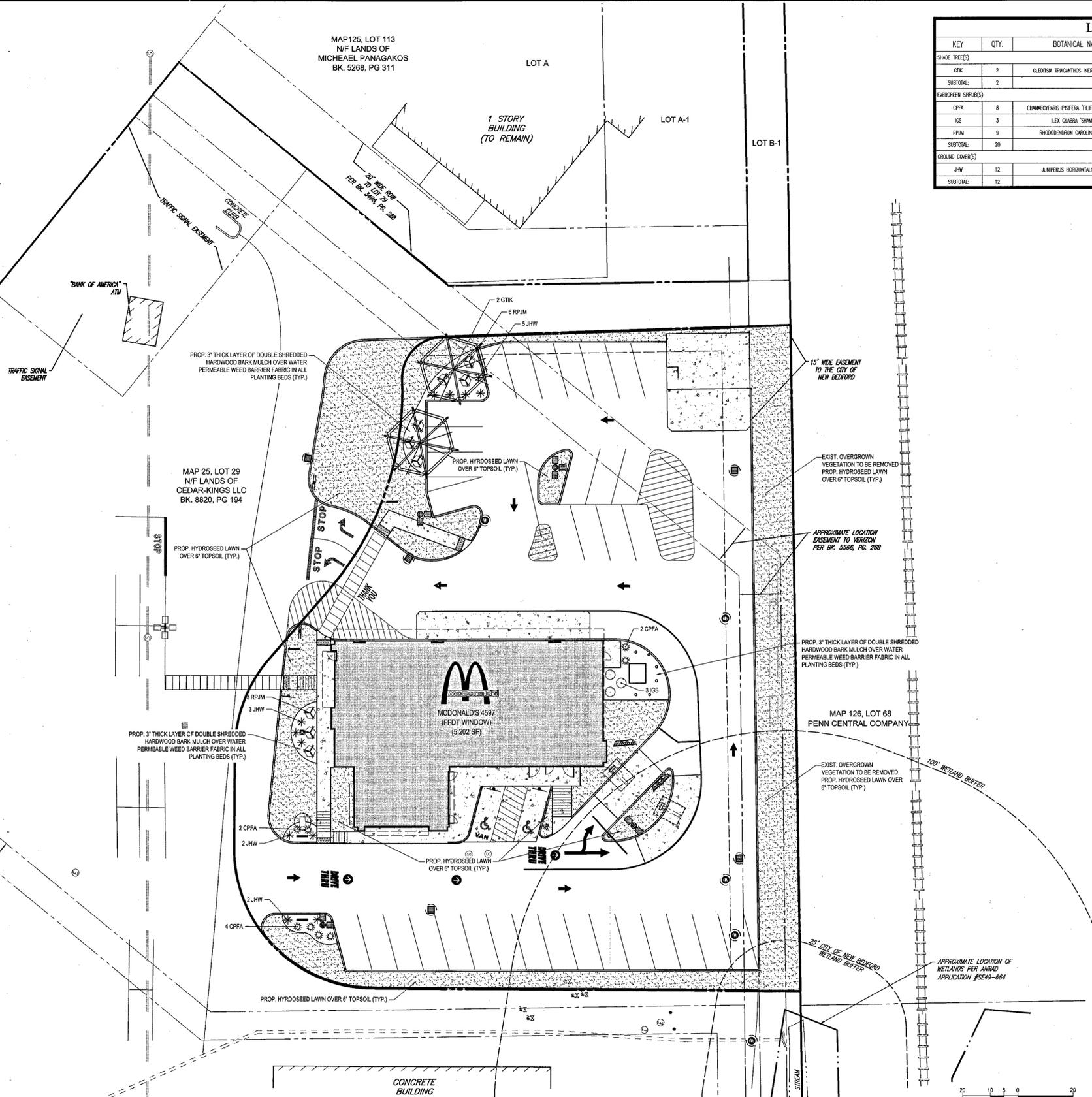
PLAN APPROVALS	DATE
SIGNATURE	
APPROVED McDONALD'S AGENT	

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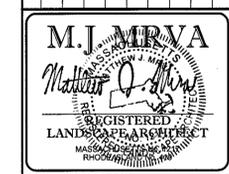


**KINGS HIGHWAY**  
 (1989 STATE HIGHWAY LAYOUT)  
 (PUBLIC WIDTH VARIIES)  
 (NO ACCESS)



LANDSCAPE SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE(S)					
GTK	2	OLEDTSA TRICANTHOS INERMIS 'SKYCOLE'	SKYLINE THORNLESS HONEYLOCUST	2 1/2-3" CAL.	B4B
SUBTOTAL: 2					
EVERGREEN SHRUB(S)					
CPFA	8	CHAMAECYPARIS PEFERA 'ELFERA AUREA NANA'	DWARF GOLD THREAD CYPRESS	15-18" SPHD.	#3 CAN
IGS	3	ILEX QUARRA 'SHARROCK'	SHARROCK HEDGEY HOLLY	24-30"	#5 CAN
RPJM	9	RHOODODENDRON CAROLINANA X FUM	FUM RHOODODENDRON	24-30"	B4B
SUBTOTAL: 20					
GROUND COVER(S)					
JHW	12	JUNIPERUS HORIZONTALIS 'WILTON'	WILTON'S BLUE RICE JUNIPER	15-18" SPHD.	#3 CAN
SUBTOTAL: 12					

REV	DATE	DESCRIPTION
1	9/15/15	REVISIONS PER STAFF COMMENT
2	9/28/15	REVISIONS PER PEER REVIEW COMMENT
3	10/5/15	REVISIONS PER PEER REVIEW COMMENT
4	01/21/16	REVISIONS PER PLAYPLACE ADDITION



**McDonald's**

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OFFICE ADDRESS: NORTH EAST REGION, 690 CANTON STREET, WESTWOOD, MA

**THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY**

**REFER LANDSCAPE NOTES & DETAILS SHEET FOR LANDSCAPE NOTES AND DETAILS**

STREET ADDRESS 1080 KINGS HIGHWAY		
CITY NEW BEDFORD	STATE MASSACHUSETTS	
COUNTY BRISTOL COUNTY		
SITE ID # 020-0128	PLAN DESCRIPTION LANDSCAPE PLAN	SHEET NO. C-10 OF 15

PLAN APPROVALS	DATE	BY
SIGNATURE		
APPROVED MCDONALD'S AGENT		

**BOHLER ENGINEERING**

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CIVIL & CONSULTING ENGINEERS  
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 LANDSCAPE ARCHITECTS

OFFICES: WARREN, NJ; UPSTATE NEW YORK; BOSTON, MA; NEW YORK METRO; PHILADELPHIA/SOUTHERN NJ; LEHIGH VALLEY, PA; SOUTH-EASTERN PA; BALTIMORE, MD; SOUTHERN MARYLAND; NORTHERN VIRGINIA; WASHINGTON, DC; CENTRAL VIRGINIA; CHARLOTTE, NC; RALEIGH, NC

CONSTRUCTION CHECK	DATE
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PROJECT No.: W142005	
CAD I.D. #: W142005ss4.dwg	



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# LANDSCAPE SPECIFICATIONS

**1. SCOPE OF WORK:**  
THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SOODING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.

**2. MATERIALS:**  
A. GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.  
B. TOPSOIL - NATURAL, FRAGILE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.  
C. LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 6" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SOODED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHOD SPECIFIED ON LANDSCAPE PLAN.  
D. LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CRP SEED.  
E. SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE SEGGED TO HOLD SOD IN PLACE.

**3. MULCH:** ALL PLANTING BEDS SHALL BE MULCHED WITH A 2" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR DETAILS.

**4. FERTILIZER:**  
I. FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATH-PROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.  
II. FOR THE PURPOSE OF MIXING, ASSUME THAT FERTILIZER SHALL BE 16% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.

**5. PLANT MATERIAL:**  
I. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN).  
II. IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ALL PLANT MATERIAL.  
III. PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON ALL AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.  
IV. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 1/2" WHICH HAVE NOT BEEN COMPLETELY CALLED, SHALL BE REJECTED. PLANTS THAT ARE NOT BEING USED WITHIN THE YEAR OF PURCHASE OR THAT ARE DAMAGED BY THE BARK OR BREAK BRANCHES.  
V. ALL PLANTS SHALL BE FREE OF ALL OTHER SPECIES OF WEEDS AND SHALL HAVE A MINIMUM HEIGHT OF 18" FOR WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.  
VI. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE NATURAL GRADE IS GREATER THAN FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.  
VII. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.  
VIII. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.

**6. GENERAL WORK PROCEDURES:**  
A. CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.  
B. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.  
C. SITE PREPARATIONS:  
A. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.

**7. REMAINING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINING OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.**  
C. CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.  
**8. TREE PROTECTION:**  
A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DROP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.  
B. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED CLOTH-HIGH DENSITY "YAG-FENCE", OR APPROVED EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.  
C. WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.  
D. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE EXPOSED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.  
**9. SOIL MODIFICATIONS:**  
A. CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.  
B. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY BE REQUIRED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.  
C. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.  
I. TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY MIX ORGANIC MATTER INTO TOP 6"-12" USE COMPOSTED BARK COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE ROOT OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 5.5.  
II. TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED FINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. GYPSUM SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY BE ADDED TO INCREASE DRAINAGE.  
III. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.  
**10. FINISHED GRADING:**  
A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.  
B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR ESTABLISHMENT OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (7").  
C. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.  
D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.  
**11. TOPSOILING:**  
A. CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.  
B. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.  
C. CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.

**12. WATERING:**  
A. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.  
B. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.  
C. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.  
**13. GUARANTEE:**  
A. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.  
B. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION.  
C. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE.  
D. LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODIBLE OR BARE AREAS.  
**14. CLEANUP:**  
A. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.  
B. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.  
**15. MAINTENANCE (ALTERNATE BID):**  
A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTENANCE PERIOD ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INSTALLED LANDSCAPING HAS BEEN MAINTAINED AS SPECIFIED ON THE APPROVED LANDSCAPE PLAN. ONCE THE INITIAL 90 DAY MAINTENANCE PERIOD HAS EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE MAINTENANCE BID FOR A MONTHLY MAINTENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS CONSIDERED APPROPRIATE TO ENSURE THAT PLANT AND LAWN AREAS ARE HEALTHY AND MAINTAINED TO THE APPROVAL OF THE OWNER/OPERATOR.

**16. GENERAL NOTES:**  
I. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.  
2) REMOVE ALL NON-BIODEGRADABLE MATERIAL AND ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM ROOT BALL.  
3) PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY.  
4) THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.  
5) THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING OF SOIL LAYERS AS NEW SOIL IS ADDED. IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL.  
6) REFER TO THE CHART "GENERAL RANGE OF SOIL MODIFICATIONS & VOLUMES FOR VARIOUS SOIL CONDITIONS" TO DETERMINE MINIMUM WIDTH OF PREPARED SOIL (6").  
7) SUBSTITUTE ABOORTIC STAKING SYSTEM WHEN SPECIFIED.  
8) AVOID PURCHASING TREES WITH TWO LEADERS OR REMOVE ONE AT PLANTING; OTHERWISE, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS.  
9) FOLD BURLAP AWAY FROM TOP OF ROOT BALL.  
10) SET ROOT BALL FLUSH TO GRADE OR SEVERAL INCHES HIGHER IN POORLY DRAINING SOILS.  
11) 4" BUILT-UP EARTH SAUCER.  
12) DOUBLE SHREDDED HARDWOOD BARK MULCH. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK.  
13) BEFORE PLANTING, ADD 3"-4" OF WELL-COMPOSTED LEAVES OR RECYCLED YARD WASTE TO BED AND TILL INTO TOP 6" OF PREPARED SOIL.  
14) 4"-6" DEEPER THAN ROOT BALL.  
15) CUT BANDS OF WIRE BASKET AND FOLD AWAY FROM TOP OF ROOT BALL.  
16) SET ROOT BALL ON FIRM PAD IN BOTTOM OF HOLE.

**17. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.**  
I. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.  
K. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.  
L. GROUND COVER AREAS SHALL RECEIVE A 1" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.  
M. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.  
N. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MULCH IS TO TOUCH THE TRUNK OF THE TREE OR SHRUB.  
O. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UPON INSTALLATION IN ACCORDANCE WITH THE WATERING SPECIFICATIONS AS LISTED HEREIN.

**18. TRANSPLANTING (WHEN REQUIRED):**  
A. ALL TRANSPLANTS SHALL BE DUG WITH INTACT ROOT BALLS CAPABLE OF SUSTAINING THE PLANT.  
B. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THEY SHALL BE HEALED IN WITH MULCH OR SOIL, ADEQUATELY WATERED AND PROTECTED FROM EXTREME HEAT, SUN AND WIND.  
C. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BEFORE 10:00 AM AND 4:00 PM.  
D. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WITH FERTILIZER AND ROOT GROWTH HORMONE.  
E. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF THE GUARANTEE PERIOD SPECIFIED HEREIN.  
F. IF TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX INCHES (6") DBH SHALL BE REPLACED IN KIND. TREES GREATER THAN SIX INCHES (6") DBH MAY BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE MUNICIPALITY'S TREE REPLACEMENT GUIDELINES.  
**19. WATERING:**  
A. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.  
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A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTENANCE PERIOD ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INSTALLED LANDSCAPING HAS BEEN MAINTAINED AS SPECIFIED ON THE APPROVED LANDSCAPE PLAN. ONCE THE INITIAL 90 DAY MAINTENANCE PERIOD HAS EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE MAINTENANCE BID FOR A MONTHLY MAINTENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS CONSIDERED APPROPRIATE TO ENSURE THAT PLANT AND LAWN AREAS ARE HEALTHY AND MAINTAINED TO THE APPROVAL OF THE OWNER/OPERATOR.

**35. FINISHED GRADING:**  
A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.  
B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR ESTABLISHMENT OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (7").  
C. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.  
D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.  
**36. TOPSOILING:**  
A. CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.  
B. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.  
C. CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.

**37. WATERING:**  
A. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.  
B. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.  
C. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.

**38. GUARANTEE:**  
A. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OWNER WITH A MAINTENANCE BOND FOR TEN PERCENT (10%) OF THE VALUE OF THE LANDSCAPE INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSION OF THE GUARANTEE PERIOD AND WHEN A FINAL INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.  
B. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED FOR THE LENGTH OF THE GUARANTEE PERIOD. REPLACEMENT OF PLANT MATERIAL SHALL BE CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION.  
C. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND DISEASE.  
D. LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTILIZING, WEEDING, TRIMMING AND OTHER OPERATIONS SUCH AS ROLLING, REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODIBLE OR BARE AREAS.  
**39. CLEANUP:**  
A. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION AND BEFORE THE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL UNUSED MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL PAVED AREAS ARE TO BE CLEANED.  
B. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER OR AUTHORIZED REPRESENTATIVE.  
**40. MAINTENANCE (ALTERNATE BID):**  
A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTENANCE PERIOD ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INSTALLED LANDSCAPING HAS BEEN MAINTAINED AS SPECIFIED ON THE APPROVED LANDSCAPE PLAN. ONCE THE INITIAL 90 DAY MAINTENANCE PERIOD HAS EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE MAINTENANCE BID FOR A MONTHLY MAINTENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS CONSIDERED APPROPRIATE TO ENSURE THAT PLANT AND LAWN AREAS ARE HEALTHY AND MAINTAINED TO THE APPROVAL OF THE OWNER/OPERATOR.

**41. FINISHED GRADING:**  
A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.  
B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR ESTABLISHMENT OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (7").  
C. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.  
D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.  
**42. TOPSOILING:**  
A. CONTRACTOR SHALL PROVIDE A 6" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.  
B. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.  
C. CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.

**43. WATERING:**  
A. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY IRRIGATED BEGINNING IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL PLANTS ARE ESTABLISHED.  
B. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE AT TIME OF PLANTING. IF WATER IS NOT AVAILABLE ON SITE, CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER. THE USE OF WATERING BAGS IS RECOMMENDED FOR ALL NEWLY PLANTED TREES.  
C. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY OF MAINTAINING THE DESIRED MOISTURE LEVEL FOR VIGOROUS, HEALTHY GROWTH.

**44. GENERAL NOTES:**  
I. NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.  
2) REMOVE ALL NON-BIODEGRADABLE MATERIAL AND ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM ROOT BALL.  
3) PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY.  
4) THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.  
5) THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING OF SOIL LAYERS AS NEW SOIL IS ADDED. IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL.  
6) REFER TO THE CHART "GENERAL RANGE OF SOIL MODIFICATIONS & VOLUMES FOR VARIOUS SOIL CONDITIONS" TO DETERMINE MINIMUM WIDTH OF PREPARED SOIL (6").  
7) SUBSTITUTE ABOORTIC STAKING SYSTEM WHEN SPECIFIED.  
8) AVOID PURCHASING TREES WITH TWO LEADERS OR REMOVE ONE AT PLANTING; OTHERWISE, DO NOT PRUNE TREE AT PLANTING EXCEPT FOR SPECIFIC STRUCTURAL CORRECTIONS.  
9) FOLD BURLAP AWAY FROM TOP OF ROOT BALL.  
10) SET ROOT BALL FLUSH TO GRADE OR SEVERAL INCHES HIGHER IN POORLY DRAINING SOILS.  
11) 4" BUILT-UP EARTH SAUCER.  
12) DOUBLE SHREDDED HARDWOOD BARK MULCH. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK.  
13) BEFORE PLANTING, ADD 3"-4" OF WELL-COMPOSTED LEAVES OR RECYCLED YARD WASTE TO BED AND TILL INTO TOP 6" OF PREPARED SOIL.  
14) 4"-6" DEEPER THAN ROOT BALL.  
15) CUT BANDS OF WIRE BASKET AND FOLD AWAY FROM TOP OF ROOT BALL.  
16) SET ROOT BALL ON FIRM PAD IN BOTTOM OF HOLE.

**45. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AND INSERT PLANT TABLETS. COMPLETE BACKFILL AND WATER THOROUGHLY.**  
I. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE ROOT BALL, THE POINT AT WHICH THE ROOT FLARE BEGINS, IS SET AT GROUND LEVEL AND IN THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECTLY ON TOP OF THE ROOT BALL.  
K. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS OR DRIVEWAYS SHALL BE PRUNED AND MAINTAINED TO A MINIMUM BRANCHING HEIGHT OF 7' FROM GRADE.  
L. GROUND COVER AREAS SHALL RECEIVE A 1" LAYER OF HUMUS RAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING. ALL GROUND COVER AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMERGENT CHEMICAL AS PER MANUFACTURER'S RECOMMENDATION.  
M. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES, SHALL BE PLANTED LESS THAN TWO FEET (2') FROM EXISTING STRUCTURES AND SIDEWALKS.  
N. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCHED AS SPECIFIED HEREIN TO FILL THE ENTIRE BED AREA OR SAUCER. NO MUL



**KINGS HIGHWAY**  
 (1989 STATE HIGHWAY LAYOUT)  
 (PUBLIC WIDTH VARIES)  
 (NO ACCESS)

MAP 125, LOT 113  
 N/F LANDS OF  
 MICHAEL PANAGAKOS  
 BK. 5268, PG. 311

LOT A

LOT A-1

LOT B-1

"BANK OF AMERICA"  
 ATM

PROP. FOOT CANDLE-  
 READING (FC)

MAP 25, LOT 29  
 N/F LANDS OF  
 CEDAR-KINGS LLC  
 BK. 8820, PG. 194

MCDONALD'S 4597  
 (FFD WINDOW)  
 (5,202 SF)

MAP 126, LOT 68  
 PENN CENTRAL COMPANY

APPROXIMATE LOCATION OF  
 10' WIDE ELECTRICAL EASEMENT  
 PER BK. 1609, PG. 610

CONCRETE  
 BUILDING  
 (TO REMAIN)

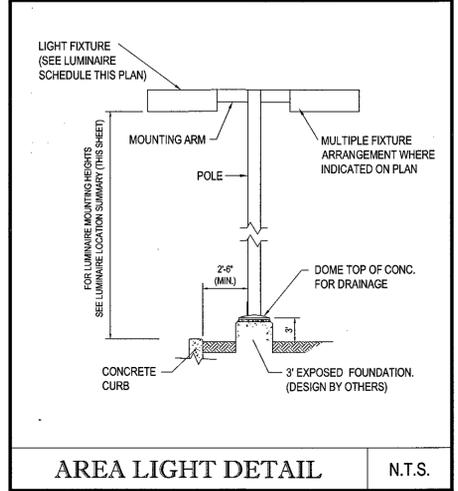
**LIGHTING NOTES:**

- THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURERS'. ACTUAL SUSTAINED ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
- THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL), UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOT-CANDELS.
- THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT NOT BE LIMITED TO, FREQUENT VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS. FAILURE TO FOLLOW THE ABOVE STEPS COULD CAUSE THE LUMINAIRES, LAMPS AND LENSES TO FAIL PROPERLY TO FUNCTION.
- WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES. UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER AND ARE, CONSEQUENTLY, APPROXIMATIONS ONLY. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC., ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.
- THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. POWER SYSTEM, CONDUITS, WIRING, VOLTAGES AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT, MEP AND/OR LIGHTING CONTRACTOR, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. LIGHT POLE BASES ARE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES AND ALL OTHER APPLICABLE RULES, REGULATIONS, LAWS AND STATUTES.
- CONTRACTOR MUST BRING TO DESIGNERS ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES.
- IT IS LIGHTING CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROJECT ARCHITECT OR OWNER REGARDING THE POWER SOURCE(S) FROM WITHIN THE BUILDING, AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT.
- THE LIGHTING CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO, GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL GOVERNMENTAL RULES, LAWS, ORDINANCES, REGULATIONS AND THE LIKE.
- THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATIONS.
- WHEN A BANK ATM IS INCLUDED IN THE PLAN, THE LIGHTING DESIGN REPRESENTS BOHLER'S UNDERSTANDING AND INTERPRETATION OF THE REGULATORY LIGHTING LEVELS INTENDED BY PUBLISHED STANDARDS.
- UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS, TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND FUNCTIONING AT ALL TIMES.
- LIGHTING LEVELS INDICATED ON THIS PLAN ARE TAKEN FROM PLAN PREPARED BY SECURITY LIGHTING SYSTEMS, ENTITLED "POINT-BY-POINT FOOTCANDLE PLOT", DRAWING NUMBER 1PC32025A AND DATED 07/11/15.

NUMERIC SUMMARY						
LABEL	CALCTYPE	UNITS	AVG	MAX	MIN	AVG/MIN
PAVED SURFACE READINGS	ILLUMINANCE	FC	4.7	16.0	0.5	9.31
PROPERTY LINE READINGS	ILLUMINANCE	FC	1.2	3.9	0.2	5.86
						19.50

LUMINAIRE SCHEDULE					
SYMBOL	QTY	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
	1	SINGLE	24,700	0.87	280-WATT VIPER - LARGE (LED) VPL-0818-280-SK-T4-LIN-40A" SSP-4118-GL-TT (4") POLE TYPE; MOUNTING HEIGHT 21"
	1	DOUBLE @ 180	24,700	0.87	280-WATT VIPER - LARGE (LED) VPL-0818-280-SK-T4-LIN-40A" SSP-4118-GL-TT (4") POLE TYPE; MOUNTING HEIGHT 21"
	2	DOUBLE @ 90	24,700	0.87	280-WATT VIPER - LARGE (LED) VPL-0818-280-SK-T4-LIN-40A" SSP-4118-GL-TT (4") POLE TYPE; MOUNTING HEIGHT 21"

\* POLES SPECIFIED ON THIS DRAWING ARE RATED FOR AN 120 MPH WIND LOAD. FOR AREAS WHERE THE WIND LOAD CRITERIA EXCEEDS 120 MPH, PLEASE CONSULT FACTORY FOR PROPER POLE SPECIFICATION AND MODEL NUMBER.  
 \*\* SPECIFY COLOR



AREA LIGHT DETAIL N.T.S.

THIS PLAN TO BE UTILIZED FOR  
 LIGHTING PURPOSES ONLY

STREET ADDRESS 1080 KINGS HIGHWAY		STATUS	DATE	BY
CITY NEW BEDFORD	STATE MASSACHUSETTS	DRAWN BY:	8/12/15	EGD
COUNTY BRISTOL COUNTY		PLAN CHECKED	JAK	
SITE ID # 020-0128	PLAN DESCRIPTION LIGHTING PLAN	AS-BUILT	SHEET NO. C-12	
		APPROVED MCDONALD'S AGENT	DATE	
		OFFICE	ADDRESS	
		NORTH EAST REGION 680 CANTON STREET WESTWOOD, MA		

**BOHLER ENGINEERING**  
 352 TURNPIKE ROAD  
 SOUTHBOROUGH, MA 01772  
 Phone: (508) 480-9900  
 Fax: (508) 480-9080  
 www.BohlerEngineering.com

CIVIL & CONSULTING ENGINEERS	PROJECT MANAGERS	ENVIRONMENTAL CONSULTANTS	LANDSCAPE ARCHITECTS
SURVEYORS			

OFFICES:

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REV	DATE	DESCRIPTION
1	9/15/15	REVISIONS PER STAFF COMMENT
2	9/28/15	REVISIONS PER PEER REVIEW COMMENT
3	10/5/15	REVISIONS PER PEER REVIEW COMMENT
4	01/21/16	REVISIONS PER PLAYBACK ADDITION

**J.A. KUCICH**  
 PROFESSIONAL ENGINEER  
 MASSACHUSETTS LICENSE NO. 4193  
 CONNECTICUT LICENSE NO. 9477  
 MARYLAND LICENSE NO. 9619  
 VIRGINIA LICENSE NO. 1526

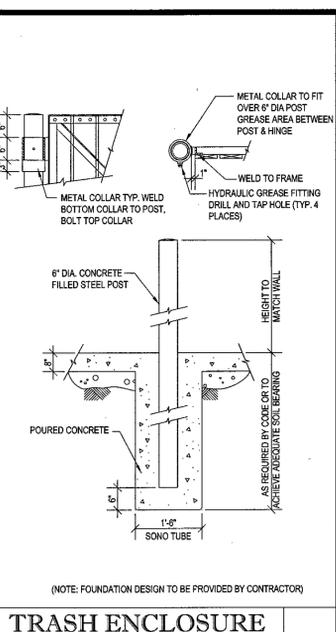
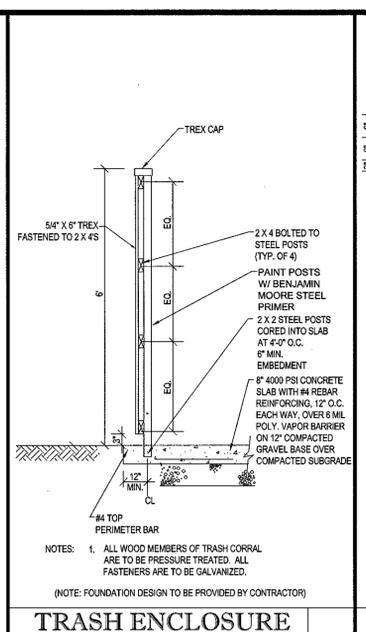
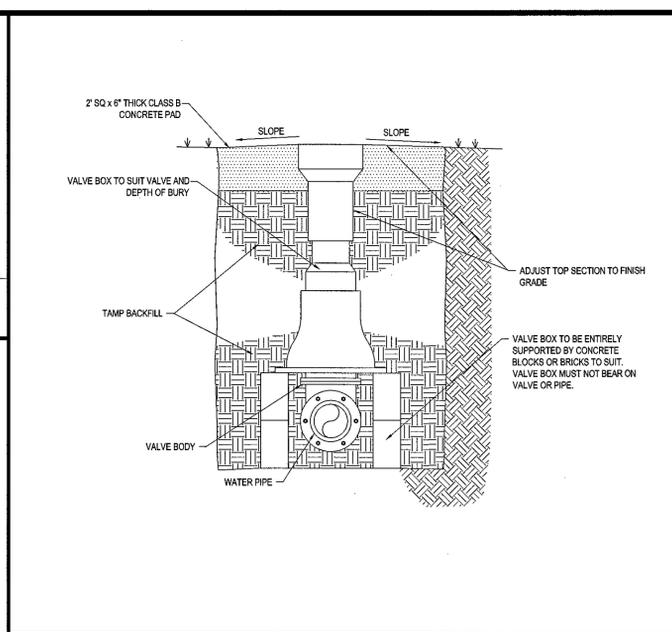
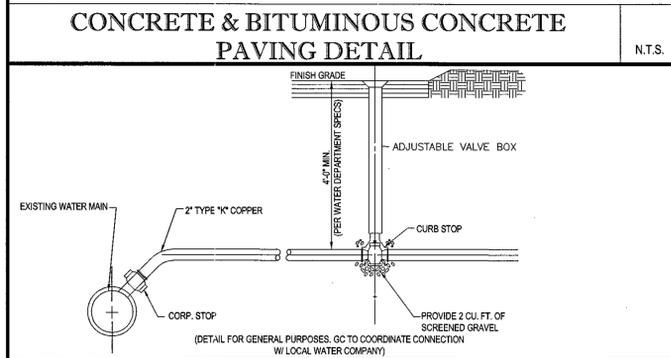
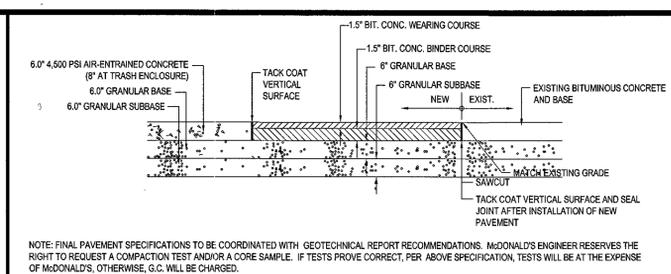
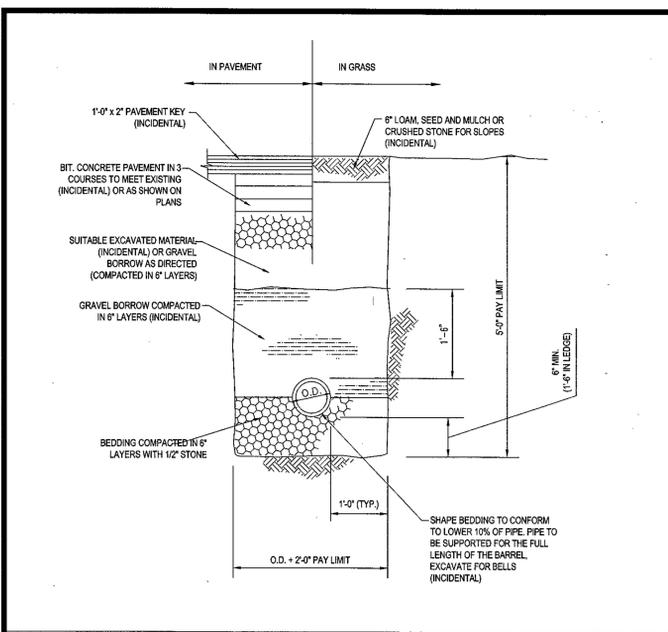
**McDonald's**

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OFFICE: NORTH EAST REGION  
 ADDRESS: 680 CANTON STREET  
 WESTWOOD, MA

PLAN APPROVALS	DATE	BY
SIGNATURE		
APPROVED MCDONALD'S AGENT		





PIPE TRENCH DETAIL N.T.S.

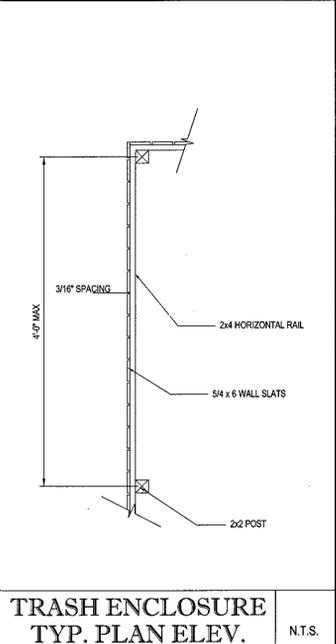
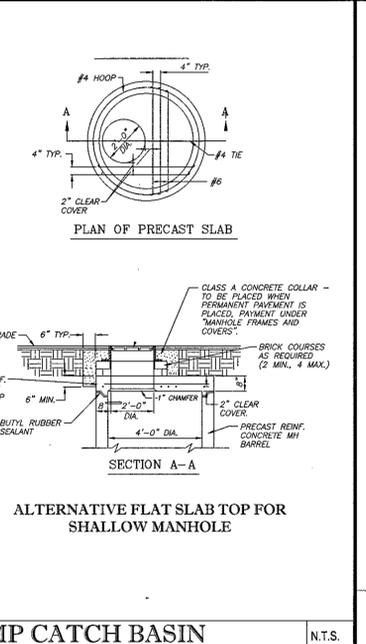
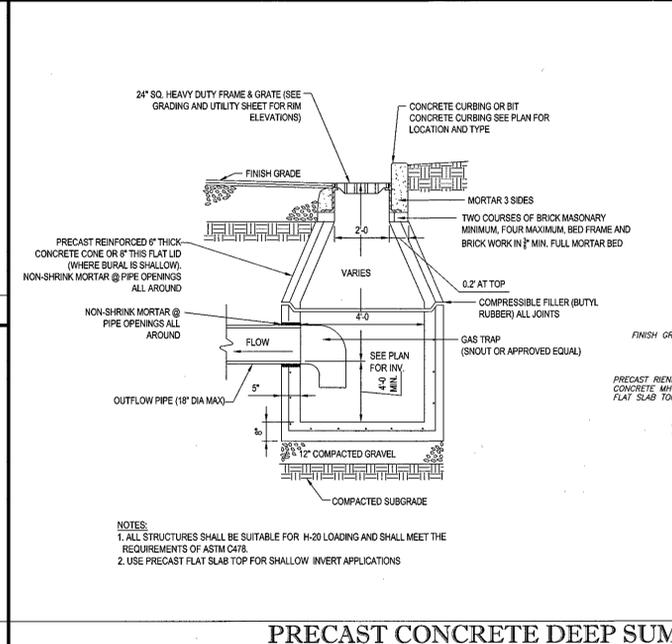
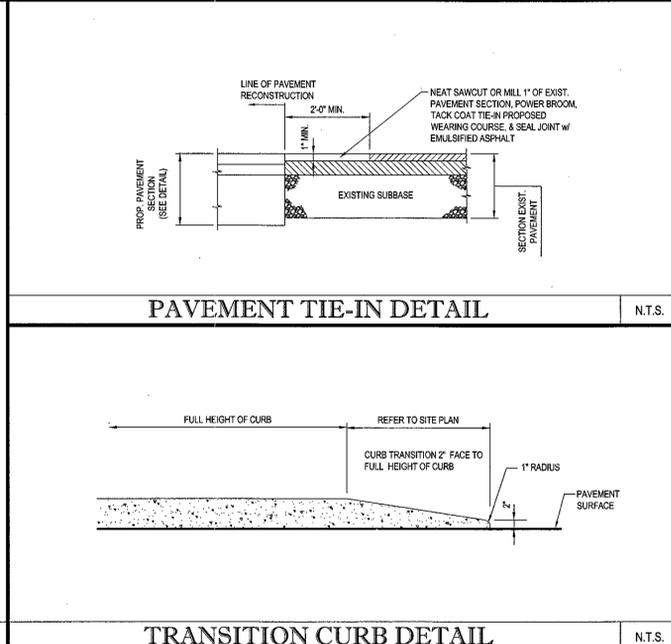
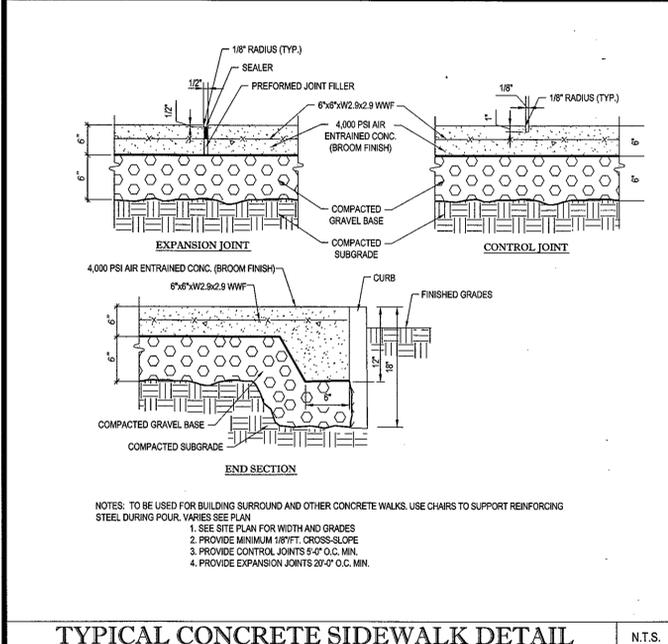
CONCRETE & BITUMINOUS CONCRETE PAVING DETAIL N.T.S.

WATER SERVICE CONNECTION DETAIL N.T.S.

GATE VALVE N.T.S.

TRASH ENCLOSURE WALL SECTION N.T.S.

TRASH ENCLOSURE GATE POST DETAILS N.T.S.



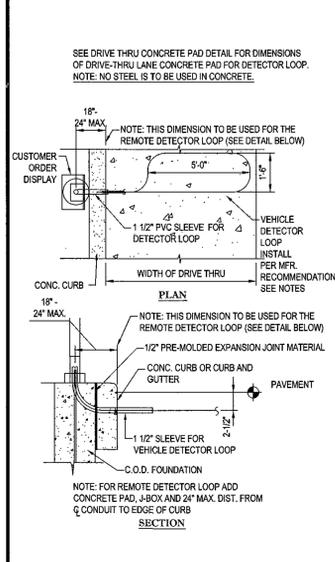
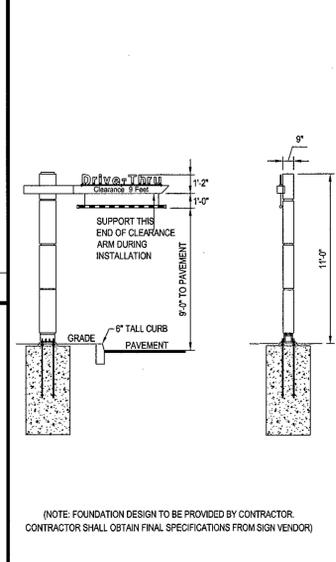
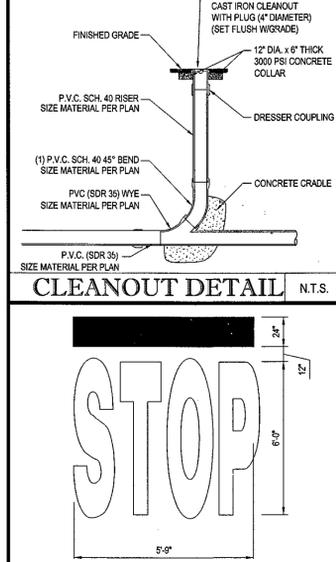
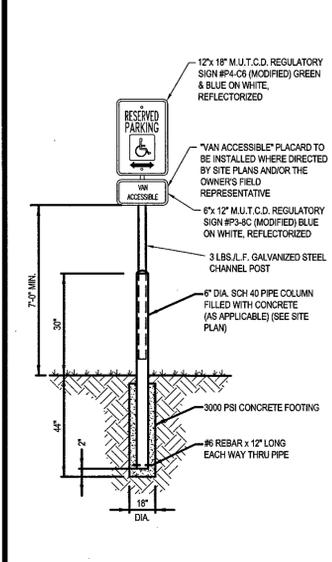
TYPICAL CONCRETE SIDEWALK DETAIL N.T.S.

PAVEMENT TIE-IN DETAIL N.T.S.

PRECAST CONCRETE DEEP SUMP CATCH BASIN N.T.S.

ALTERNATIVE FLAT SLAB TOP FOR SHALLOW MANHOLE N.T.S.

TRASH ENCLOSURE TYP. PLAN ELEV. N.T.S.

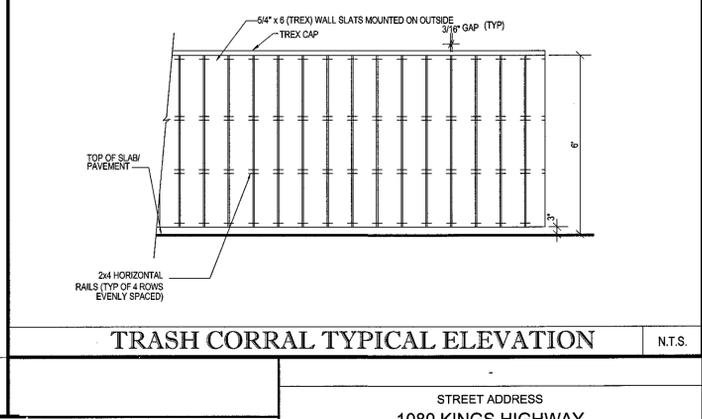
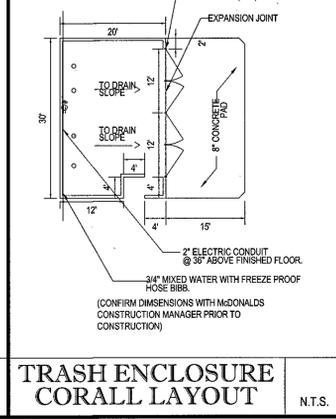
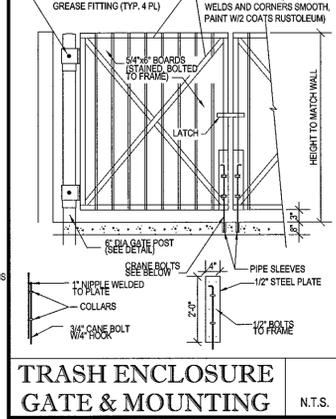


'ACCESSIBLE' PARKING ONLY SIGN N.T.S.

'STOP' BAR DETAIL N.T.S.

GATEWAY CLEARANCE BAR DETAIL N.T.S.

AUTO DETECTOR LOOP DETAIL N.T.S.



TRASH ENCLOSURE GATE & MOUNTING N.T.S.

TRASH ENCLOSURE CORALL LAYOUT N.T.S.

TRASH CORRAL TYPICAL ELEVATION N.T.S.



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 NORTH-EAST REGION  
 680 CANTON STREET  
 WESTWOOD, MA

DATE	BY
9/15/15	BBP
9/28/15	BBP
10/5/15	EGD
01/21/16	CFD

REVISIONS PER STAFF COMMENT	DATE
1	9/15/15
2	9/28/15
3	10/5/15
4	01/21/16

PLAN APPROVALS	DATE	BY
SIGNATURE		JAK
APPROVED McDONALD'S AGENT		

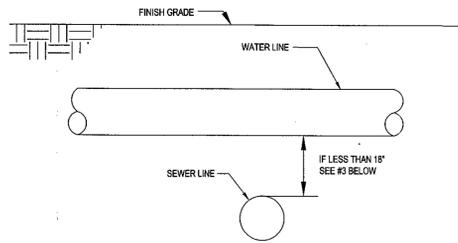
**BOHLER ENGINEERING**  
 352 TURNPIKE ROAD  
 SOUTHBOROUGH, MA 01772  
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CONSTRUCTION CHECK	DATE
CONSTRUCTION CHECK	DATE
PROJECT No.: W142005	
CAD I.D. #: W142005s84.dwg	

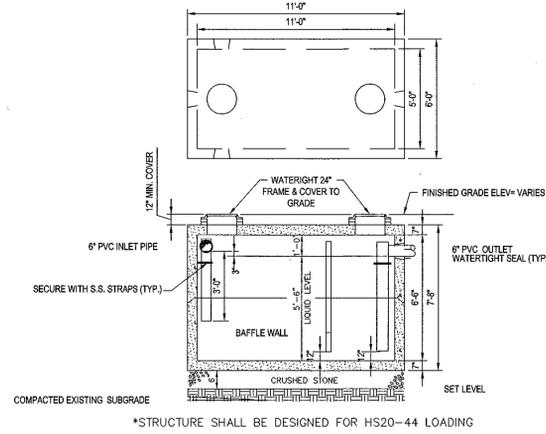
STREET ADDRESS		
1080 KINGS HIGHWAY		
CITY	STATE	
NEW BEDFORD	MASSACHUSETTS	
COUNTY		
BRISTOL COUNTY		
SITE ID #	PLAN DESCRIPTION	
020-0128	DETAIL SHEET	
STATUS	DATE	BY
DRAWN BY:	8/12/15	EGD
PLAN CHECKED		JAK
AS-BUILT		
SHEET NO.	C-14	
	OF 15	



NOTES:  
 1. THE VERTICAL SEPARATION BETWEEN THE WATER MAIN AND THE SEWER LINE SHALL BE A MINIMUM OF 18 INCHES.  
 2. THE HORIZONTAL SEPARATION BETWEEN THE WATER MAIN AND THE SEWER LINE SHALL BE A MINIMUM OF 10 FEET.  
 3. IF 1 OR 2 CANNOT BE MAINTAINED EITHER:  
 A. WATER MAIN IS TO BE RE-LOCATED OR RE-CONSTRUCTED USING MECHANICAL JOINTS DUCTILE IRON PIPE FOR A DISTANCE OF 10 FEET ON EITHER SIDE OF THE CROSSING. CENTER WATER MAIN LENGTH OF PIPE SO THAT CENTER OF PIPE SECTION IS OVER SEWER. CENTER LENGTH OF SEWER PIPE UNDER CENTER OF WATER MAIN SO THAT JOINTS ARE THE MAXIMUM DISTANCE POSSIBLE APART.  
 B. WATER AND SEWER LINES SHALL BE CONCRETE ENCASED PER DETAIL.

WHERE 10' HORIZONTAL SEPARATION  
 OR 18" VERTICAL SEPARATION CANNOT BE ACHIEVED

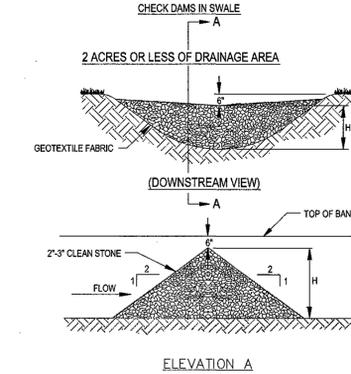
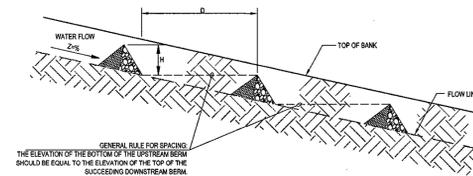
**WATER MAIN CROSSINGS**



\*STRUCTURE SHALL BE DESIGNED FOR HS20-44 LOADING

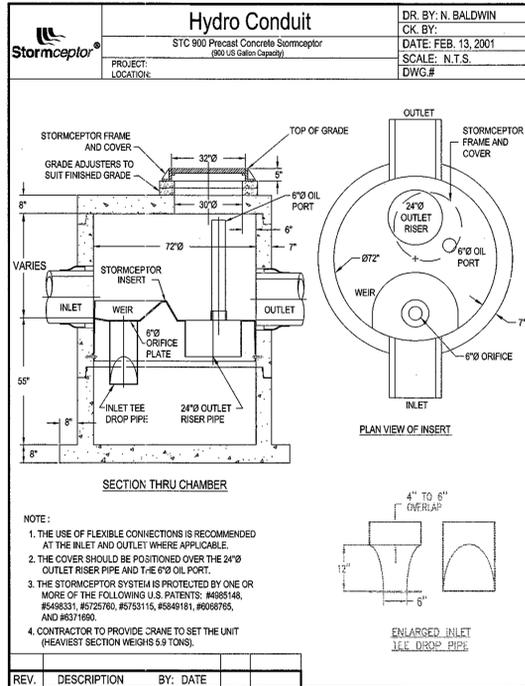
**PRECAST GREASE TRAP 2,000 GAL./H.D.**

N.T.S.



**ROCK CHECK DAM**

N.T.S.

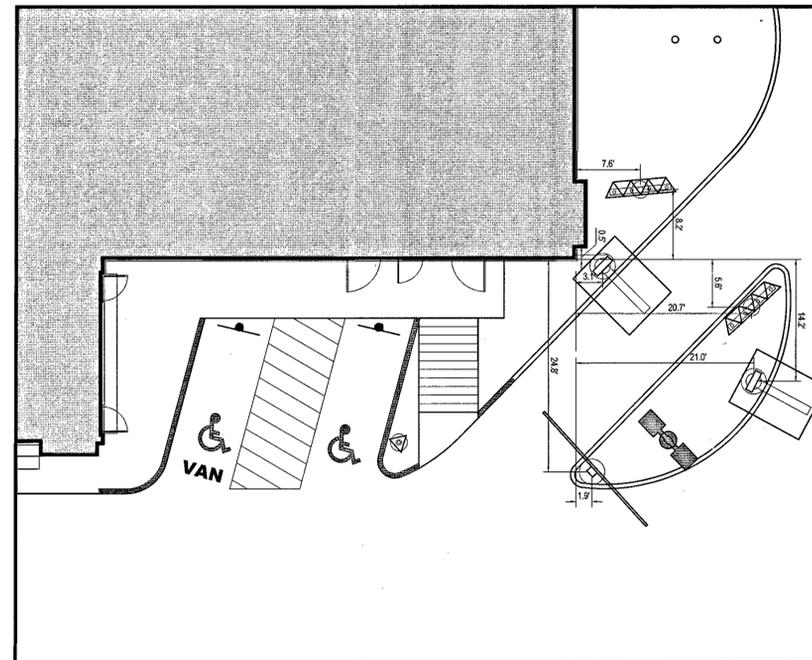


NOTE:  
 1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.  
 2. THE COVER SHOULD BE POSITIONED OVER THE 24" OUTLET RISER PIPE AND THE 6" OIL PORT.  
 3. THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4885148, #5498311, #5725760, #5753115, #5849181, #6055765, AND #6371690.  
 4. CONTRACTOR TO PROVIDE CRANE TO SET THE UNIT (HEAVIEST SECTION WEIGHS 5.9 TONS).

REV.	DESCRIPTION	BY:	DATE

**STORMCEPTOR STC 900**

N.T.S.



**DRIVE-THRU**

- SCALE: 1"=10'
- DISTANCE FROM CENTER OF OPEN PRESENT WINDOW TO CENTER OF OPEN CASH WINDOW STANDARD IN 4'-4" AND IS SPECIFIC TO EACH BUILDING CONFIGURATION. ACCEPTABLE TOLERANCE IS 40' MIN ON REMODELS ONLY.
  - DISTANCE FROM CENTER OF OPEN CASH WINDOW TO CENTER OF PRIMARY LANE CDD IS 10' OPTIMUM, 8' OR 80' MIN. ACCEPTABLE TOLERANCE IS PLUS OR MINUS 9' FOR 10' OR 80' QUEUES.
  - THE CRITICAL HOLD DISTANCE FROM CENTER OF CDD TO CENTER OF MENU BOARD FOOTING IN PRIMARY LANE IS 10'-0". THE ANGLE OF THE MENU BOARD CAN BE ADJUSTED FROM 45-90 DEGREES ALLOWING 100% VISIBILITY FOR THE FIRST CAR AT THE CDD.
  - THE CRITICAL HOLD DISTANCE FROM CENTER OF THE PRIMARY LANE CDD TO THE TIP OF THE CURBED ISLAND IS 15'-0".
  - THE CRITICAL HOLD DISTANCE FROM TIP OF ISLAND TO CENTER OF SECONDARY LANE MENU BOARD IS 6'-0". THE DISTANCE FROM OUTSIDE CURB TO THE CENTER OF MENU BOARD IS 22'.
  - THE CRITICAL HOLD DISTANCE FROM TIP OF ISLAND TO CENTER OF SECONDARY LANE CDD IS 14'-0".
  - THE ISLAND WIDTH IS 12'-0" STANDARD FROM FACE OF CURB TO CURB.
  - THE PRE-SELL BOARD IS OPTIONAL AND IS GENERALLY LOCATED 30'-0" FROM THE CENTER OF THE CDD IN THE PRIMARY LANE. THE END OF THE FRONT FACE OF THE BOARD SHOULD BE 18'-0" FROM THE FACE OF THE CURB.
  - A GATEWAY IS REQUIRED AND PLACED AT THE DRIVE-THRU LANE ENTRANCE.
  - EVERY SBS SHOULD HAVE BOTH CDD/CANOPY IN BOTH LANES.

**DRIVE-THRU**

SCALE: 1"=10'

THE REGIONAL CONSTRUCTION MANAGER IS TO REVIEW AND APPROVE ALL DRIVE-THRU LAYOUTS. A DRIVE-THRU IS FINAL AND CONSIDERED "FROZEN". ONCE APPROVED, NO CHANGES ARE TO BE MADE AFTER THIS POINT.

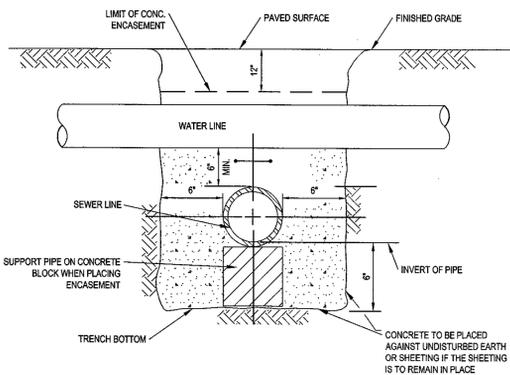
NOTE:  
THE PLACEMENT OF THE CDD SHOULD BE SUCH THAT IT PRESENTS OR MINIMIZES BLOCKING THE CUSTOMER'S VIEW OF THE MENU BOARD WHILE ORDERING.

NOTE:  
LINEAR DIMENSIONS ARE MEASURED PERPENDICULAR TO THE BUILDING FACES SHOWN UNLESS OTHERWISE NOTED.

NOTE:  
ALL SIGN BOLLARDS ARE TO BE 18'-0" FROM FACE OF CURB. THIS IS MEASURED FROM THE CLOSEST POINT ON THE SIGN.

**DRIVE-THRU**

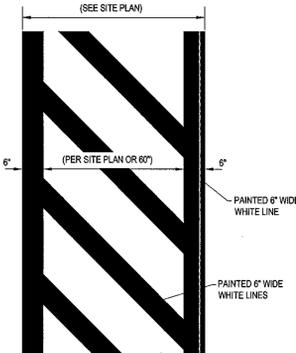
SCALE: 1"=10'



NOTES:  
 1. PIPE MUST BE BRACED VERTICALLY & HORIZONTALLY TO PREVENT FLOATATION DURING PLACEMENT OF CONCRETE  
 2. ALL CONCRETE ENCASEMENT SHALL BE KEPT 12" BELOW THE BOTTOM OF ASPHALT PAVEMENT

**CONCRETE ENCASEMENT DETAIL**

N.T.S.



**CROSSWALK DETAIL**

N.T.S.

N.T.S.

**BOHLER ENGINEERING**  
 352 TURNPIKE ROAD  
 SOUTHBOROUGH, MA 01772  
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CONSTRUCTION CHECK	DATE
CONSTRUCTION CHECK	DATE
PROJECT No.:	W142005
CAD I.D. #:	W142005ss4.dwg

STREET ADDRESS 1080 KINGS HIGHWAY	
CITY NEW BEDFORD	STATE MASSACHUSETTS
COUNTY BRISTOL COUNTY	
SITE ID # 020-0128	PLAN DESCRIPTION DETAIL SHEET

STATUS	DATE	BY
DRAWN BY:	8/12/15	EGD
PLAN CHECKED		JAK
AS-BUILT		
SHEET NO.	<b>C-15</b>	
	OF 15	



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 NORTH-EAST REGION  
 680 CANTON STREET  
 WESTWOOD, MA

PLAN APPROVALS	DATE
SIGNATURE	
APPROVED MCDONALD'S AGENT	

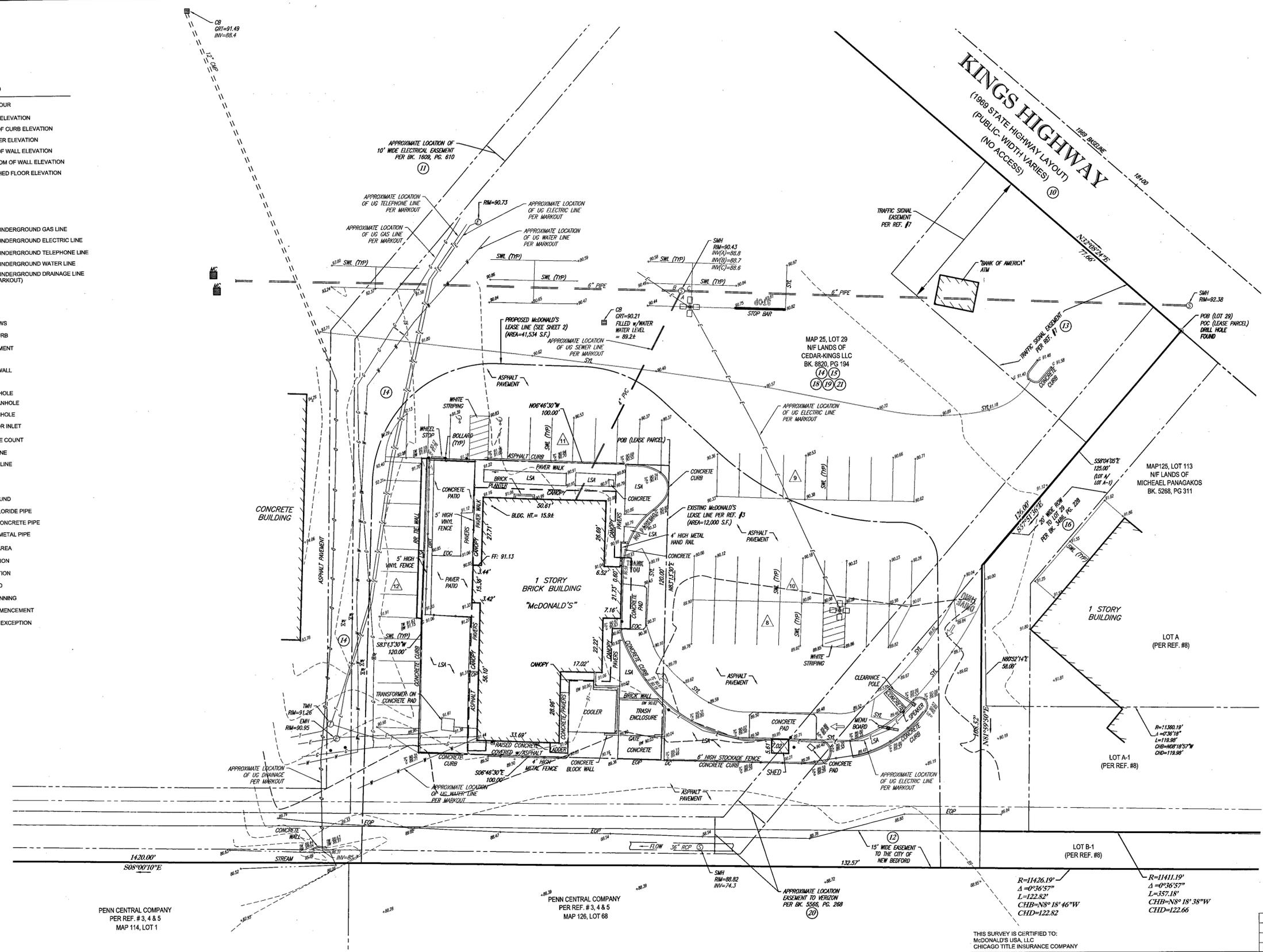
P:\142005\DWG\DWG\W142005ss4.dwg, L:\C:\Users\jacob.1\Documents\1717016\_85651.dwg, Name: ANS A (8.50 x 11.00 Inches), 1:1549

**LEGEND**

- 124 --- EXISTING CONTOUR
- x 123.45 EXISTING SPOT ELEVATION
- x TC 123.45 EXISTING TOP OF CURB ELEVATION
- x G 122.25 EXISTING GUTTER ELEVATION
- x TW 123.45 EXISTING TOP OF WALL ELEVATION
- x BW 122.25 EXISTING BOTTOM OF WALL ELEVATION
- x FF 123.45 EXISTING FINISHED FLOOR ELEVATION
- WV WATER VALVE
- GV GAS VALVE
- GB GAS BOX
- GM GAS METER
- G APPROX. LOC. UNDERGROUND GAS LINE
- E APPROX. LOC. UNDERGROUND ELECTRIC LINE
- T APPROX. LOC. UNDERGROUND TELEPHONE LINE
- W APPROX. LOC. UNDERGROUND WATER LINE
- D APPROX. LOC. UNDERGROUND DRAINAGE LINE (PER UTILITY MARKOUT)
- AREA LIGHT
- SIGN
- BOLLARD
- PAINTED ARROWS
- DC DEPRESSED CURB
- EDP EDGE OF PAVEMENT
- MC METAL COVER
- RRT WALL RAILROAD TIE WALL
- (TYP) TYPICAL
- EMH ELECTRIC MANHOLE
- TMH TELEPHONE MANHOLE
- UMH UNKNOWN MANHOLE
- CB CATCH BASIN OR INLET
- PS PARKING SPACE COUNT
- SWL SOLID WHITE LINE
- SYL SOLID YELLOW LINE
- HT HEIGHT
- BLDC BUILDING
- DHF DRILL HOLE FOUND
- PVC POLYVINYL CHLORIDE PIPE
- PCP REINFORCED CONCRETE PIPE
- CMP CORRUGATED METAL PIPE
- LSA LANDSCAPED AREA
- GRG GRATE ELEVATION
- INV INVERT ELEVATION
- UG UNDERGROUND
- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- ⊙ TITLE REPORT EXCEPTION



LOCUS MAP  
© 2013 ESRI WORLD STREET MAPS



SEE SHEET 2 OF 2 FOR OVERALL BOUNDARY, NOTES, REFERENCES, EXHIBIT 'A' & PARCEL DESCRIPTIONS

3	ADDED SEWER AND STORM WATER FACILITIES	T.M./B.S.B.	S.P.P.	G.L.H.	07-06-15
2	ADDED PROPOSED LEASE PARCEL DESCRIPTION	-	S.P.P.	G.L.H.	05-14-15
1	ADDED LEASE PARCEL DESCRIPTION	-	S.P.P.	G.L.H.	04-15-15
No.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN	APPROVED	DATE

THIS SURVEY IS CERTIFIED TO:  
McDONALD'S USA, LLC  
CHICAGO TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a), 7(a), 7(b)(1), 7(c), 8, 9, 11(b), 13, 14, 17 & 20(a) OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON NOVEMBER 20, 2014.

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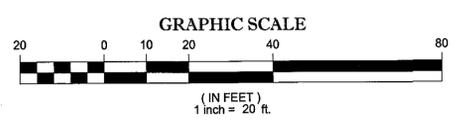
**GERRY L. HOLDRIGHT**  
MASSACHUSETTS PROFESSIONAL LAND SURVEYOR #49211

DATE

**ALTA/ACSM LAND TITLE SURVEY**  
**McDONALD'S USA, LLC**  
1080 KING'S HIGHWAY  
LOT 29, MAP 125  
CITY OF NEW BEDFORD, BRISTOL COUNTY  
COMMONWEALTH OF MASSACHUSETTS  
L/C# 020-0128

**CONTROL POINT ASSOCIATES, INC.**  
332 TURNPIKE ROAD  
SOUTHBOROUGH, MA 01772  
508.948.3000 - 508.948.3003 FAX  
WARREN, NJ 908.668.0099  
CHALFONT, PA 215.712.9800

FIELD DATE	11-20-14
FIELD BOOK NO.	14-06
FIELD BOOK PG.	17-18
FIELD CREW	B.S.B.
DRAWN	INDO-HCB
REVIEWED:	J.L.S.
APPROVED:	G.L.H.
DATE	11-24-14
SCALE	1"=20'
FILE NO.	CM14215
DWG. NO.	1 OF 2



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EXHIBIT "A"

SHOPPING CENTER PARCEL:  
CERTAIN PARCELS OF UNREGISTERED LAND SITUATED IN THE CITY OF NEW BEDFORD, COUNTY OF BRISTOL AND COMMONWEALTH OF MASSACHUSETTS, DESCRIBED AS FOLLOWS:

THAT CERTAIN TRACT OR PARCEL OF LAND WITH ALL BUILDINGS AND IMPROVEMENTS SHOWN AS LOT B ON A PLAN DATED NOVEMBER 22, 1971 RECORDED WITH BRISTOL SOUTH REGISTRY OF DEEDS IN PLAN BOOK 86, PLAN NO. 89, THEREON SITUATED ON THE EASTERLY SIDE OF KING'S HIGHWAY (STATE ROUTE 140) IN THE CITY OF NEW BEDFORD, BRISTOL COUNTY, MASSACHUSETTS, IS HEREBY BOUNDED AND DESCRIBED:

BEGINNING AT THE MOST NORTHWESTERLY CORNER OF THE HEREIN DESCRIBED PARCEL SAID CORNER BEING LOCATED S32°08'24"W TWO HUNDRED THIRTY FOUR AND 00/100 (234.00') FROM THE INTERSECTION OF THE EASTERLY HIGHWAY LINE OF KING'S HIGHWAY WITH THE WESTERLY LINE OF LAND NOW OR FORMERLY OF THE PENN CENTRAL RAILROAD;

THENCE PROCEEDING S58°04'05"E A DISTANCE OF ONE HUNDRED TWENTY FIVE AND 00/100 (58.00') FEET TO A POINT;

THENCE PROCEEDING N80°52'14"E A DISTANCE OF FIFTY EIGHT AND 00/100 (58.00') FEET TO A POINT;

THENCE PROCEEDING ALONG THE CHORD OF AN ARC N08°18'57"W A DISTANCE OF ONE HUNDRED NINETEEN AND 98/100 (119.98') FEET TO A POINT, SAID ARC HAVING A RADIUS ELEVEN THOUSAND, THREE HUNDRED SIXTY AND 19/100 (11,360.19') FEET AND AN ARC LENGTH OF ONE HUNDRED NINETEEN AND 98/100 (119.98'), THE LAST THREE COURSES BOUNDED NORTHERLY, AND WESTERLY BY LAND NOW OR FORMERLY OF THE SHELL OIL COMPANY;

THENCE PROCEEDING N81°22'53"E A DISTANCE OF SIXTY SIX AND 00/100 (66.00') FEET TO A POINT;

THENCE PROCEEDING ALONG THE CHORD OF AN ARC S08°18'46"E A DISTANCE OF ONE HUNDRED TWENTY TWO AND 82/100 (122.82') FEET TO A POINT, SAID ARC HAVING A RADIUS OF ELEVEN THOUSAND FOUR HUNDRED TWENTY SIX AND 19/100 (11,426.19') FEET AND AN ARC LENGTH OF ONE HUNDRED TWENTY TWO AND 82/100 (122.82');

THENCE PROCEEDING S08°00'10"E A DISTANCE OF ONE THOUSAND FOUR HUNDRED TWENTY AND 00/100 (1,420.00') FEET TO A POINT, THE LAST THREE COURSES BOUNDED NORTHERLY AND EASTERLY BY LAND NOW OR FORMERLY OF THE PENN CENTRAL RAILROAD;

THENCE PROCEEDING S81°59'50"W A DISTANCE OF FOUR HUNDRED TWELVE AND 00/100 (412.00') FEET TO A POINT;

THENCE PROCEEDING N08°01'04"W A DISTANCE OF FOUR HUNDRED ELEVEN AND 29/100 (411.29') FEET TO A POINT;

THENCE PROCEEDING N58°32'07"W A DISTANCE OF THIRTY SEVEN AND 59/100 (37.59') FEET TO A POINT;

THENCE PROCEEDING N10°08'29"W A DISTANCE OF THREE HUNDRED SIXTY AND 00/100 (360.00') FEET TO A POINT;

THENCE PROCEEDING N32°08'24"E ALONG THE EASTERLY HIGHWAY LINE OF KING'S HIGHWAY SO-CALLED A DISTANCE OF THIRTY SEVEN AND 72/100 (37.72') FEET TO A MASSACHUSETTS HIGHWAY BOUND FOUND;

THENCE CONTINUING N32°08'24"E ALONG THE SAID HIGHWAY LINE A DISTANCE OF FIVE HUNDRED SEVENTY SIX AND 18/100 (576.18') FEET TO A MASSACHUSETTS HIGHWAY BOUND FOUND, THIRTY THREE AND 00/100 (33.00') FEET RIGHT OF STATION +75.00';

THENCE CONTINUING N32°08'24"E ALONG SAID HIGHWAY LINE A DISTANCE OF SEVENTY SEVEN AND 66/100 (77.66') FEET TO THE POINT AND PLACE OF BEGINNING.

SAID PARCEL CONTAINS 15.348 ACRES MORE OR LESS.

SQUARE FOOTAGE IS NOT INSURED.

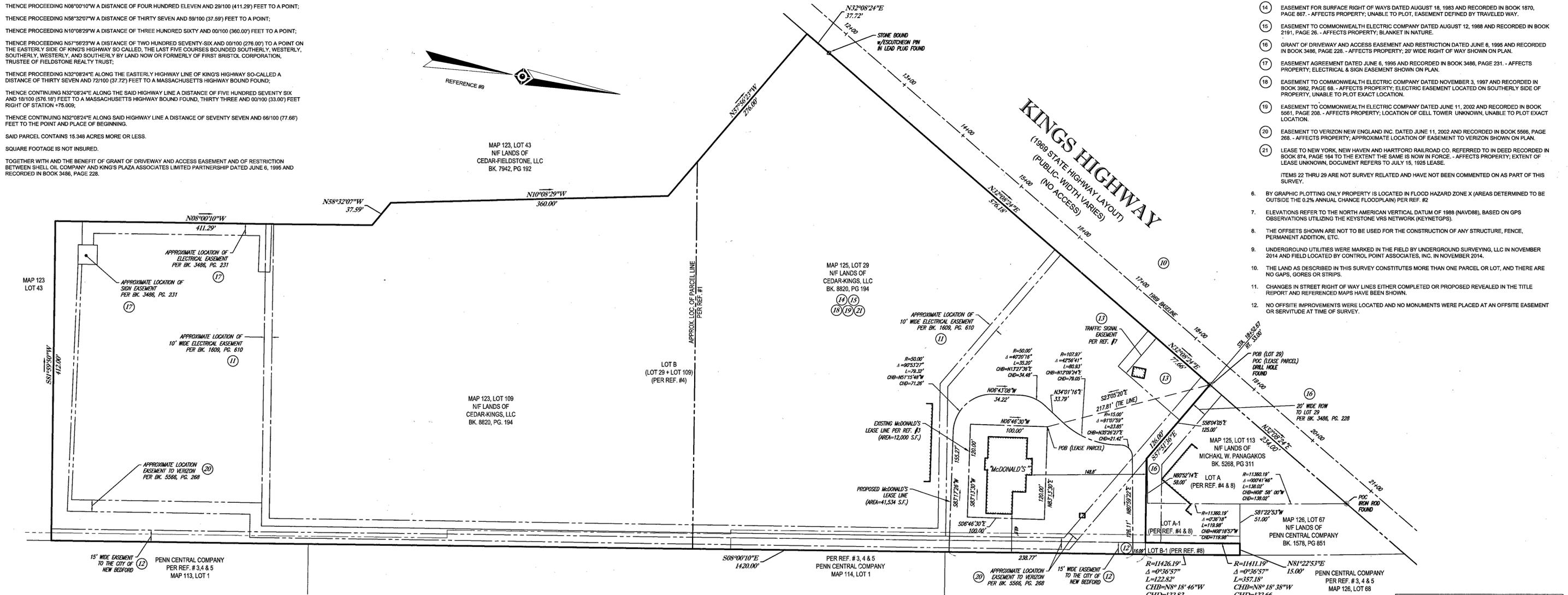
TOGETHER WITH AND THE BENEFIT OF GRANT OF DRIVEWAY AND ACCESS EASEMENT AND OF RESTRICTION BETWEEN SHELL OIL COMPANY AND KING'S PLAZA ASSOCIATES LIMITED PARTNERSHIP DATED JUNE 6, 1995 AND RECORDED IN BOOK 3486, PAGE 228.

SURVEYOR'S METES AND BOUNDS DESCRIPTION  
EXISTING McDONALD'S LEASE AREA  
A PORTION OF MAP 125, LOT 29  
CITY OF NEW BEDFORD, BRISTOL COUNTY  
COMMONWEALTH OF MASSACHUSETTS

COMMENCING AT A DRILL HOLE FOUND ON THE NORTHEASTERLY LINE OF KING'S HIGHWAY (1989 STATE HIGHWAY LAYOUT, PUBLIC - WIDTH VARIES) AT A POINT 33.00 FEET RIGHT OF STATION 18+82.67, SAID POINT ALSO BEING THE NORTHERLY MOST CORNER OF MAP 125, LOT 29 (N/F LANDS OF CEDAR-KINGS, LLC) AND FROM SAID POINT OF COMMENCEMENT RUNNING THROUGH SAID LOT 29 SOUTH 23 DEGREES - 05 MINUTES - 20 SECONDS EAST, A DISTANCE OF 217.81 FEET TO THE NORTHWESTERLY MOST CORNER OF THE LEASE AREA DESCRIBED HEREIN, THENCE RUNNING THROUGH SAID LOT 29 THE FOLLOWING FOUR (4) COURSES;

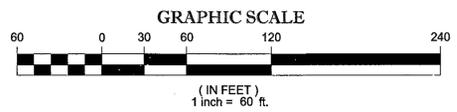
1. NORTH 83 DEGREES - 13 MINUTES - 30 SECONDS EAST, A DISTANCE OF 120.00 FEET TO A POINT, THENCE;
2. SOUTH 6 DEGREES - 46 MINUTES - 30 SECONDS EAST, A DISTANCE OF 100.00 FEET TO A POINT, THENCE;
3. SOUTH 83 DEGREES - 13 MINUTES - 30 SECONDS WEST, A DISTANCE OF 120.00 FEET TO A POINT, THENCE;
4. NORTH 6 DEGREES - 46 MINUTES - 30 SECONDS WEST, A DISTANCE OF 100.00 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING 12,000 SQUARE FEET OR 0.275 ACRES



- NOTES:
1. PROPERTY KNOWN AS LOT 29 ON THE CITY OF NEW BEDFORD, BRISTOL COUNTY, COMMONWEALTH OF MASSACHUSETTS TAX MAP # 125.
  2. McDONALD'S LEASE AREA = 12,000 SQUARE FEET OR 0.275 ACRES. LOTS 29 & 109 = 682,172 SQUARE FEET OR 15,201 ACRES.
  3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES, CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
  4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
  5. THIS SURVEY IS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY CHICAGO TITLE INSURANCE COMPANY, COMMITMENT NO. 14-49342, WITH AN EFFECTIVE DATE OF 10/17/14. WHERE THE FOLLOWING SURVEY RELATED EXCEPTIONS APPEAR IN SCHEDULE B, SECTION II:  
GENERAL EXCEPTIONS 1-9 HAVE NOT BEEN COMMENTED ON AS PART OF THIS SURVEY.  
    10. NON-ACCESS PROVISIONS OF LAYOUT NO. 5615 AND ORDER OF TAKING DATED AUGUST 14, 1969 AND RECORDED IN BOOK 1688, PAGE 834. - AFFECTS PROPERTY; KING'S HIGHWAY SHOWN ON PLAN.
    11. EASEMENT TO NEW BEDFORD GAS AND EDISON LIGHT COMPANY DATED OCTOBER 28, 1970 AND RECORDED IN BOOK 1608, PAGE 610. - AFFECTS PROPERTY; APPROXIMATE LOCATION OF GAS AND ELECTRICAL EASEMENT SHOWN ON PLAN.
    12. TAKING BY THE CITY OF NEW BEDFORD FOR SEWER AND SURFACE DRAINS AND WATER SERVICES DATED DECEMBER 29, 1980 AND RECORDED IN BOOK 1816, PAGE 80. - AFFECTS PROPERTY; 15' WIDE EASEMENT SHOWN ON PLAN.
    13. CONDITIONAL GRANT OF EASEMENT DATED FEBRUARY 8, 1982 AND RECORDED IN BOOK 1842, PAGE 51. - AFFECTS PROPERTY; TRAFFIC SIGNAL EASEMENT SHOWN ON PLAN.
    14. EASEMENT FOR SURFACE RIGHT OF WAYS DATED AUGUST 18, 1983 AND RECORDED IN BOOK 1870, PAGE 867. - AFFECTS PROPERTY; UNABLE TO PLOT. EASEMENT DEFINED BY TRAVELED WAY.
    15. EASEMENT TO COMMONWEALTH ELECTRIC COMPANY DATED AUGUST 12, 1988 AND RECORDED IN BOOK 2191, PAGE 29. - AFFECTS PROPERTY; BLANKET IN NATURE.
    16. GRANT OF DRIVEWAY AND ACCESS EASEMENT AND RESTRICTION DATED JUNE 6, 1995 AND RECORDED IN BOOK 3486, PAGE 228. - AFFECTS PROPERTY; 20' WIDE RIGHT OF WAY SHOWN ON PLAN.
    17. EASEMENT AGREEMENT DATED JUNE 6, 1995 AND RECORDED IN BOOK 3486, PAGE 231. - AFFECTS PROPERTY; ELECTRICAL & SIGN EASEMENT SHOWN ON PLAN.
    18. EASEMENT TO COMMONWEALTH ELECTRIC COMPANY DATED NOVEMBER 3, 1997 AND RECORDED IN BOOK 3982, PAGE 68. - AFFECTS PROPERTY; ELECTRIC EASEMENT LOCATED ON SOUTHERLY SIDE OF PROPERTY, UNABLE TO PLOT EXACT LOCATION.
    19. EASEMENT TO COMMONWEALTH ELECTRIC COMPANY DATED JUNE 11, 2002 AND RECORDED IN BOOK 5586, PAGE 268. - AFFECTS PROPERTY; LOCATION OF CELL TOWER UNKNOWN, UNABLE TO PLOT EXACT LOCATION.
    20. EASEMENT TO VERIZON NEW ENGLAND INC. DATED JUNE 11, 2002 AND RECORDED IN BOOK 5586, PAGE 268. - AFFECTS PROPERTY; APPROXIMATE LOCATION OF EASEMENT TO VERIZON SHOWN ON PLAN.
    21. LEASE TO NEW YORK, NEW HAVEN AND HARTFORD RAILROAD CO. REFERRED TO IN DEED RECORDED IN BOOK 874, PAGE 184 TO THE EXTENT THE SAME IS NOW IN FORCE. - AFFECTS PROPERTY; EXTENT OF LEASE UNKNOWN, DOCUMENT REFERS TO JULY 15, 1925 LEASE.
- ITEMS 22 THRU 29 ARE NOT SURVEY RELATED AND HAVE NOT BEEN COMMENTED ON AS PART OF THIS SURVEY.
6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. #2
  7. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).
  8. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.
  9. UNDERGROUND UTILITIES WERE MARKED IN THE FIELD BY UNDERGROUND SURVEYING, LLC IN NOVEMBER 2014 AND FIELD LOCATED BY CONTROL POINT ASSOCIATES, INC. IN NOVEMBER 2014.
  10. THE LAND AS DESCRIBED IN THIS SURVEY CONSTITUTES MORE THAN ONE PARCEL OR LOT, AND THERE ARE NO GAPS, GORES OR STRIPS.
  11. CHANGES IN STREET RIGHT OF WAY LINES EITHER COMPLETED OR PROPOSED REVEALED IN THE TITLE REPORT AND REFERENCED MAPS HAVE BEEN SHOWN.
  12. NO OFFSITE IMPROVEMENTS WERE LOCATED AND NO MONUMENTS WERE PLACED AT AN OFFSITE EASEMENT OR SERVITUDE AT TIME OF SURVEY.

CONTROL POINT ASSOCIATES, INC. - ALL RIGHTS RESERVED. ORIGINAL PROJECT OF THE PURPOSE OF THIS SURVEY IS TO BE USED FOR THE PURPOSES OF THE TITLE REPORT ONLY. WITHOUT THE WRITTEN PERMISSION OF CONTROL POINT ASSOCIATES, INC. NO PART OF THIS SURVEY IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.



THIS SURVEY IS CERTIFIED TO:  
McDONALD'S USA, LLC  
CHICAGO TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAN AND THE SURVEY ON WHICH IT WAS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a), 7(b), 7(c), 8, 9, 11(b), 13, 14, 17 & 20(a) OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON NOVEMBER 20, 2014.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLUE INK SEAL.

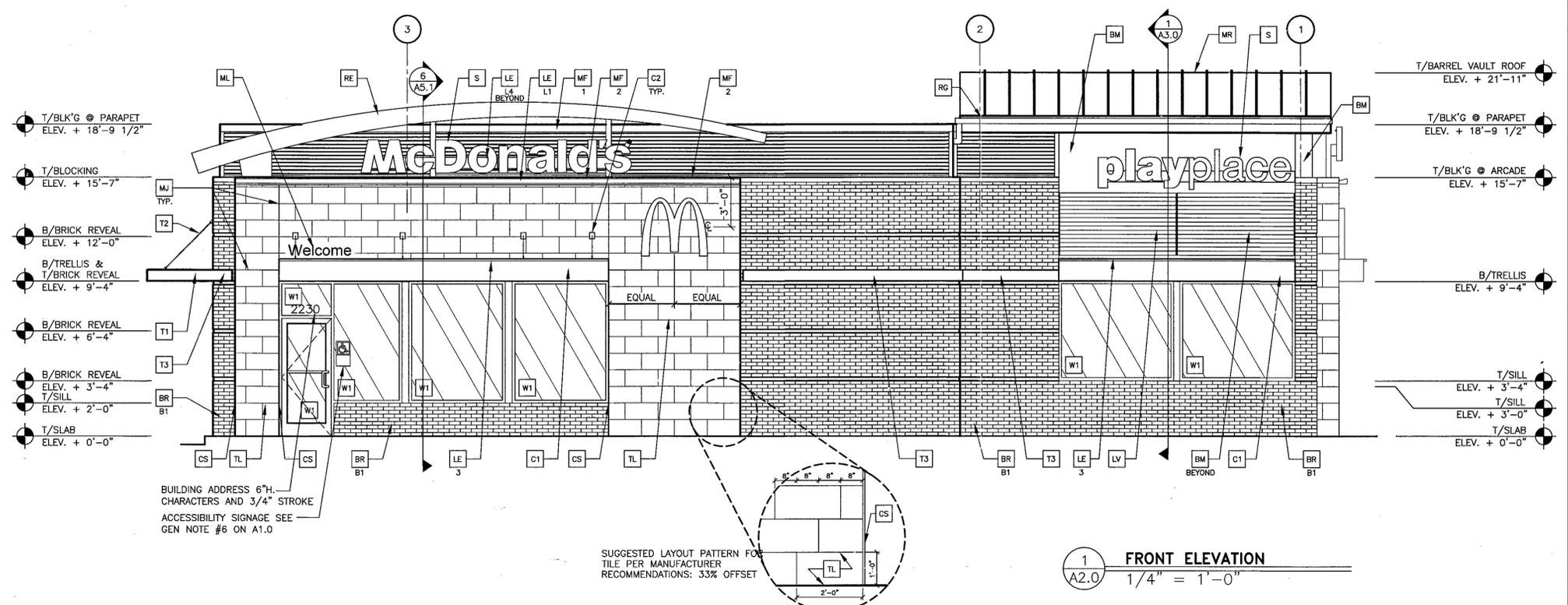
GERRY L. HOLDRIGHT  
MASSACHUSETTS PROFESSIONAL LAND SURVEYOR #49211

NO.	DESCRIPTION OF REVISION	FIELD CREW	DRAWN	APPROVED	DATE
3	ADDED SEWER AND STORM WATER FACILITIES	T.M./B.S.B.	S.P.P.	G.L.H.	07-06-15
2	ADDED PROPOSED LEASE PARCEL DESCRIPTION	-	S.P.P.	G.L.H.	05-14-15
1	ADDED LEASE PARCEL DESCRIPTION	-	S.P.P.	G.L.H.	04-15-15

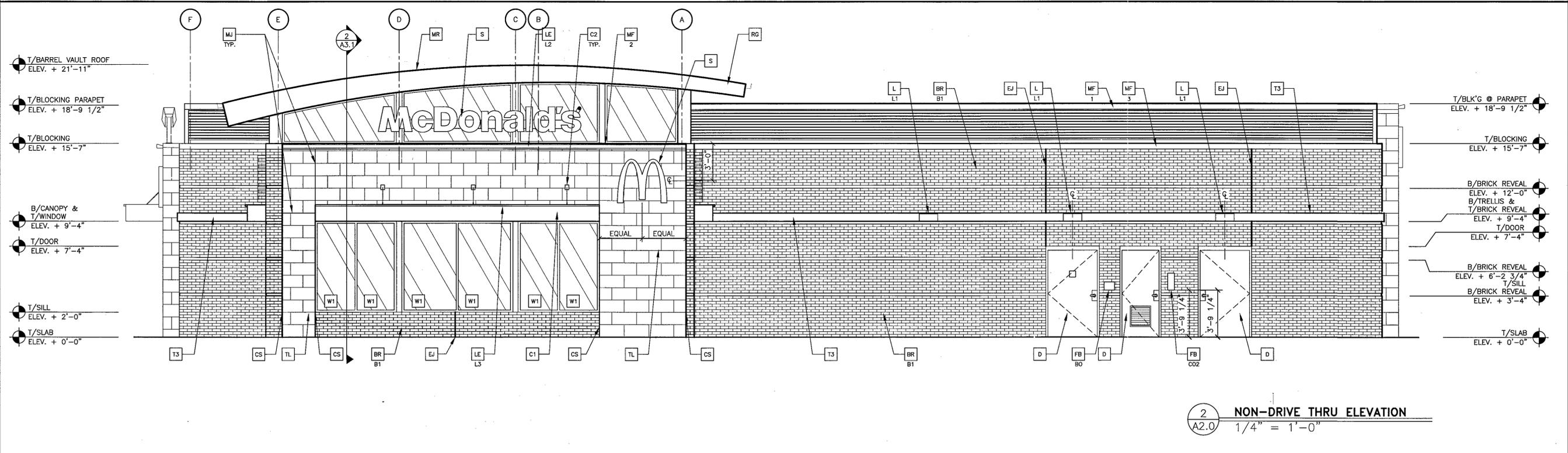
ALTA/ACSM LAND TITLE SURVEY  
**McDONALD'S USA, LLC**  
1080 KING'S HIGHWAY  
LOTS 29 & 109, MAP 125  
CITY OF NEW BEDFORD, BRISTOL COUNTY  
COMMONWEALTH OF MASSACHUSETTS  
L/C# 020-0128

**CONTROL POINT ASSOCIATES, INC.**  
352 TURNPIKE ROAD  
SOUTHBOROUGH, MA 01772  
508.948.3000 - 508.948.3003 FAX  
WARREN, NJ 908.668.0099  
CHALFONTE, PA 215.712.9800

REVIEWED:	APPROVED:	DATE	SCALE	FILE NO.	DWG. NO.
J.L.S.	G.L.H.	11-24-14	1"=60'	CM14215	2 OF 2



1 FRONT ELEVATION  
A2.0 1/4" = 1'-0"



2 NON-DRIVE THRU ELEVATION  
A2.0 1/4" = 1'-0"

**KEY NOTES:**

- BM BREAK METAL  
COLOR = CITYSCAPE BY METAL-ERA
- BR FACEBRICK  
B1-COLOR:  
B1 = MODULAR "470-479 MEDIUM A" BY BELDEN OR EQUAL
- C1 ALUMINUM CANOPY SYSTEM (COLOR: GOLD)
- C2 ALUMINUM CANOPY TIE-BACK SYSTEM
- C3 ALUMINUM CANOPY SYSTEM
- CM CORRUGATED METAL PANEL - SEE 1B/A5.0  
C1-COLOR:  
C1 = "CITYSCAPE" BY METAL-ERA
- CS OUTSIDE CORNER STRIP, BY SCHLUTER - SEE TILE PACKAGE AND GENERAL NOTES FOR ADDITIONAL INFORMATION
- D HOLLOW METAL DOOR - PAINT TO MATCH COLOR OF SURROUNDING MATERIAL
- EJ EXPANSION JOINT, SEE DETAIL 7/A4.1
- FB CO2 = BULK CO2 FILL BOX (EQPM SCHEDULE ITEM 49.00)  
BO = BULK OIL FILL BOX (EQPM SCHEDULE ITEM 700.18) - CONFIRM USE WITH MCD PROJECT MANAGER
- GR GUARD RAIL - SEE SITE PLAN FOR EXACT LOCATION AND LENGTH
- L LIGHT FIXTURE (WALL SCONCE) - SEE ELECTRICAL  
L1-LIGHT:  
L1 = UP AND DOWN FIXTURE  
L2 = DOWN ONLY FIXTURE
- LE ACCENT LIGHTING - SEE ELECTRICAL  
L1-LED LIGHT:  
L1 = UP AND DOWN FIXTURE  
L2 = DOWN ONLY FIXTURE  
L3 = INTEGRAL CANOPY FIXTURE  
L4 = UP ONLY FIXTURE
- LV METAL LOUVER PANEL
- MJ MOVEMENT JOINT - (SCHLUTER-DILEX PRODUCT #BWB100HB)
- ML METAL LETTERING - BY OTHERS
- MF METAL FASCIA - COLOR TO MATCH CORRUGATED METAL PANEL - SEE 1/A5.0  
1-TYPE:  
1 = PRE-FAB ANCHOR-TITE FASCIA  
2 = PRE-FAB CUSTOM ARCADE FASCIA  
3 = PRE-FAB MASONRY CAP FASCIA
- MR METAL ROOF - STANDING SEAM W/ALUMINUM FINISH FASCIA TRIM, COLOR TO BE "YELLOW - PANTONE COLOR #109U"
- PB PIPE BOLLARD - PAINTED YELLOW
- PT (RMHC) COIN COLLECTOR UNIT #WPT 012000 STD CALL 1-888-743-7435 TO ORDER
- RE ROOF CAP ELEMENT BY OTHERS
- RG CONTINUOUS RAIN GUTTERS AT BARREL VAULT ROOF SURROUNDING MATERIAL
- RO ROOF DRAIN OVERFLOW PIPE PAINT TO MATCH SURROUNDING MATERIAL
- S McDONALD'S SIGNAGE BY OTHERS - UNDER SEPARATE PERMIT.
- T1 ALUMINUM TRELLIS SYSTEM
- T2 TRELLIS TIE-BACK SYSTEM
- T3 ALUMINUM TRELLIS 2" x 8" WALL FASCIA SYSTEM - REFER TO SIM. DETAIL 3 ON SHEET A5.1
- TL BRUSH STROKE TILE (RIS U.S.) BY EUROWEST DECORATIVE SURFACES COLOR: OYSTER CONTACT: JAN DETER 714.937.7500
- W1 EXTERIOR WINDOW ASSEMBLY - TEMPERED GLASS - SEE ASSEMBLY NOTES
- W2 DRIVE-THRU WINDOW BY READY ACCESS 600 SERIES, 36" SERVICE HEIGHT WITH TRANSOM - MANUAL OPEN; ELECTRONIC RELEASE
- XX SLIDE DIRECTION: RL = RIGHT TO LEFT  
LR = LEFT TO RIGHT

PREPARED BY: CORE STATES GROUP  
20 South Maple Ave, Suite 300  
Amherst, MA 01002-25  
Fax (415) 8942124

PREPARED FOR: McDonald's USA, LLC  
These drawings and specifications are the confidential and proprietary property of McDonald's USA, LLC and shall not be copied or reproduced in any form without the prior written consent of McDonald's USA, LLC. Use of these drawings for reference or to compare or otherwise project requires the contract documents for reuse on another project is not authorized.

DRAWN BY: AND  
STD ISSUE DATE: 2015\_07  
REVIEWED BY: SPM: PJP  
DATE ISSUED: 2/25/2016  
C.S.G. PROJECT # MCD-TBD

TITLE: 2015 STANDARD BUILDING  
4597-PP-WOOD/WOOD  
DESCRIPTION: WOOD BEARING WALLS W/4" BRICK EXTERIOR FINISH & C.I. WOOD ROOF TRUSS FRAMING  
OSTER TILE EXTERIOR FINISH ARCADE/ENTRY  
SITE ADDRESS: 1080 KINGS HIGHWAY  
NEW BEDFORD, MA 020-0128

SHEET NO: 020-0128.00.0  
ELEVATIONS  
A2.0

REV	DATE	DESCRIPTION	BY

K:\DW\EST-1-BOS\020-0159-00-0 FALL RIVER, MA\020-0159-00-2A-ELEV.DWG 10-19-2012 09:06

