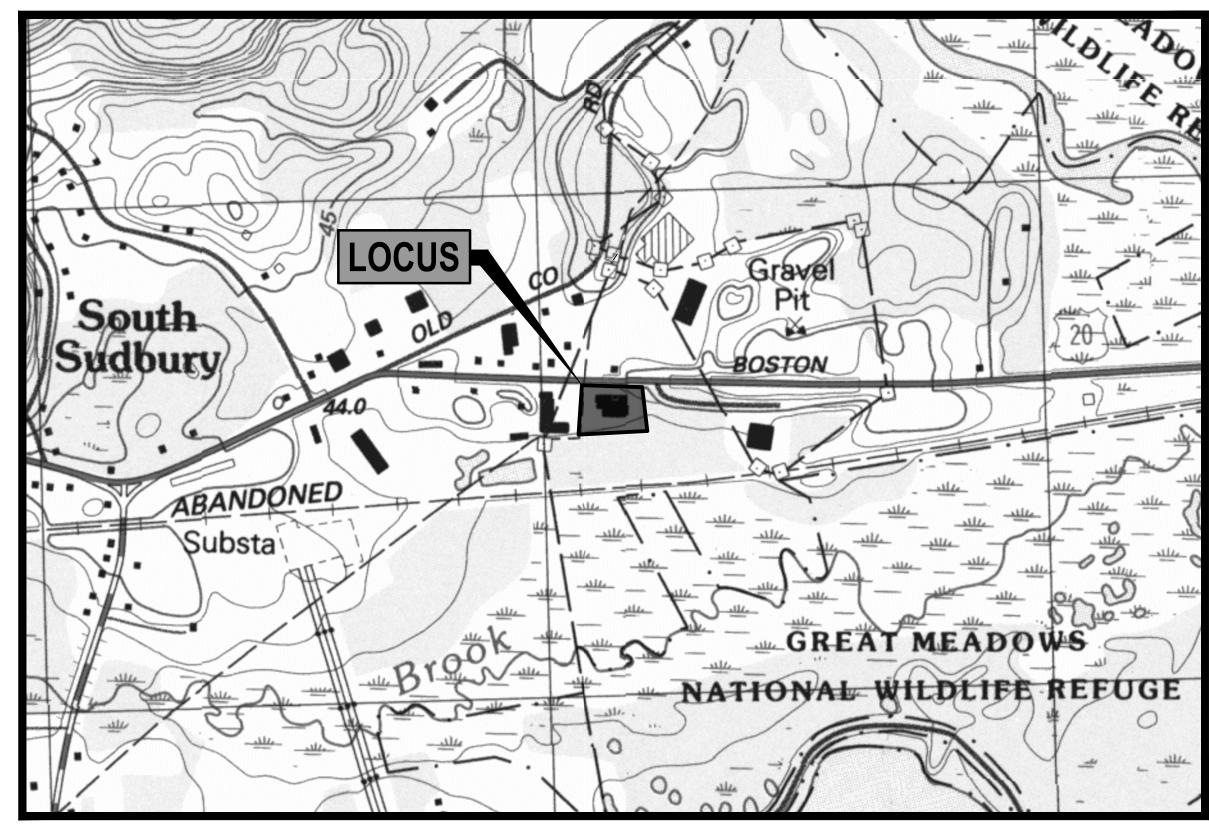
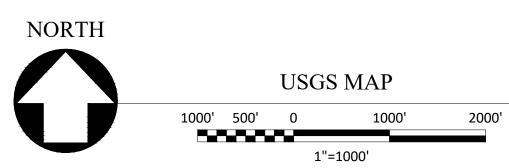
# PROPOSED SITE DEVELOPMENT PLANS

FOR

## WAYLAND - BENTLEY, LAMBORGHINI, ROLLS ROYCE, MASERATI, ALFA ROMEO

533 BOSTON POST ROAD, WAYLAND, MA. 01778





HERB CHAMBERS 533 BOSTON POST ROAD, LLC 533 BOSTON POST ROAD WAYLAND, MA 01778

### SURVEYOR

APPLICANT:

CROCKER DESIGN GROUP 2 SHARP STREET, UNIT A HINGHAM, MA 02043

#### CONSULTING ENGINEER:

DGT ASSOCIATES 1071 WORCESTER ROAD FRAMINGHAM, MA 01701

#### LANDSCAPE ARCHITECT:

RYAN ASSOCIATES 144 MOODY STREET, BUILDING 4 WALTHAM, MA 02453

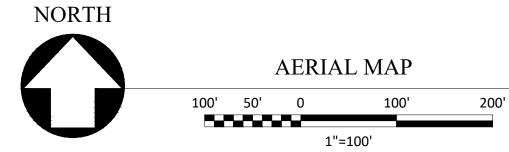
#### SITE CIVIL ENGINEER:

CROCKER DESIGN GROUP, LLC. 2 SHARP STREET, UNIT A, HINGHAM, MA 02043

#### **ARCHITECT:**

THE CURTIS ARCHITECTURAL GROUP 36 BURRAGE ROAD NEWTON CENTER, MA 02459





## ATTORNEY:

ROLLINS, ROLLINS, AND FOX **36 GLEN AVENUE** NEWTON, MA 02459

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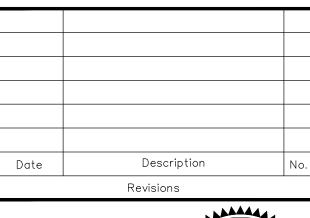
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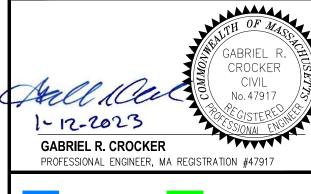
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DETAIL SHEET (4 OF 4)

DATE SITE PLAN ENDORSED





| Group P: 781-919-0808 | Crocker<br>Design<br>Group | 2 SHARP<br>STREET, UNIT A<br>HINGHAM, MA<br>02043<br>P: 781-919-0808 |
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**WAYLAND - BENTLEY,** LAMBORGHINI, ROLLS ROYCE, MASSERATTI, ALFA ROMEO

SUPPLEMENTAL PLANS:

ARCHITECTURAL PLANS

PLANTING PLAN

PLANTING DETAILS

**EXISTING CONDITIONS PLAN** 

**HERB CHAMBERS 533 BOSTON POST ROAD, LLC** #533 BOSTON POST ROAD - ROUTE 20 WAYLAND, MA 01778

**COVER SHEET** 

| oject No.  | 100-173   | Drawing No. |
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| oproved By |           |             |

#### **SITE 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.

. THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN:

- EXISTING CONDITIONS PLAN PREPARED BY CROCKER DESIGN GROUP.
   ARCHITECTURAL PLANS PREPARED BY THE CURTIS ARCHITECTURAL GROUP.
- LANDSCAPE PLANS PREPARED BY RYAN ASSOCIATES.
- GEOTECHNICAL REPORT PREPARED BY NORTHEAST GEOTECH.
- DRAFT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY CROCKER DESIGN GROUP.
   LIGHTING PLAN PREPARED BY LSI.

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. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY/ALL CONSTRUCTION RELATED PERMITS ASSOCIATED WITH THE WORK TO BE PERFORMED. THIS INCLUDES SUCH ITEMS AS A BUILDING PERMIT FOR THE RETAINING WALL CONSTRUCTION; TRENCH PERMITS; DRAIN LAYER PERMITS, NPDES NOTICE OF INTENT, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO APPLY FOR AND OBTAIN ANY/ALL SUCH PERMITS REQUIRED TO PERFORM THEIR WORK. PERMIT APPLICATION FEES WILL BE PAID FOR BY THE OWNER. 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

- 3. THE CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY
- 4. 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.
- 5. 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 UNLESS SPECIFICALLY NOTED OTHERWISE ON 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.

6. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO CROCKER DESIGN GROUP, LLC., BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY CROCKER DESIGN GROUP, 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.

7. 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/OWNER, THEREAFTER. PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.

8. 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.

9. 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.

10. 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.

11. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT, NEARBY AND CONTIGUOUS STRUCTURES AND PROPERTIES. THE COST FOR ANY SHORING NEEDED TO PERFORM THE WORK MUST BE INCLUDED IN THE CONTRACTOR'S BID PRICE.

12. 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 IS RESPONSIBLE 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.

13. 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 DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, 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 INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE 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.

14. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DEPICTED BOTH ON THESE PLANS, AND FOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

15. 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 BEING WHOLLY OUTSIDE OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES, AT ANY

16. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). AS SPECIFIED IN THE CONTRACT DOCUMENTS.

17. CROCKER DESIGN GROUP 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 CROCKER DESIGN GROUP HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. CROCKER DESIGN GROUP'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT CROCKER DESIGN GROUP HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. CROCKER DESIGN GROUP WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. CROCKER DESIGN GROUP WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.

18. NEITHER THE PROFESSIONAL ACTIVITIES OF CROCKER DESIGN GROUP, NOR THE PRESENCE OF CROCKER DESIGN GROUP 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 CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, OVERSEEING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. CROCKER DESIGN GROUP 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 CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. CROCKER DESIGN GROUP SHALL BE INDEMNIFIED BY THE CONTRACTOR AND MUST BE NAMED AN ADDITIONAL INSURED UNDER THE CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN NOTE 17 FOR JOB SITE SAFETY.

19. 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 17 HEREIN, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME.

20. ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS, IF CONTRACTOR AND/OR OWNER FAIL TO 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.

21. 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.

22. 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.

23. THE CONTRACTOR MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF THE CONTRACTOR 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.

24. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICATION DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER, THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF "PROFESSIONAL OPINION" REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S 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

25. THE CONTRACTOR IS ENCOURAGED, AT THE TIME OF BIDDING, TO OFFER VALUE ENGINEERING SOLUTIONS, IN WRITING, FOR THE PROJECT THAT HELP IMPROVE PROJECT COSTS, CONSTRUCTION TIMELINE, AND AESTHETICS. CONTRACTOR'S BASE BID PRICE SHALL REFLECT THE CURRENT DESIGN INTENT AND ANY/ALL VALUE ENGINEERING ITEMS SHALL BE SPECIFICALLY IDENTIFIED.

26.THE CONTRACTOR IS INSTRUCTED THAT ANY WORK WITHIN THE STATE HIGHWAY LAYOUT (ROUTE 20 — BOSTON POST ROAD) IS SUBJECT TO REVIEW, APPROVAL, AND ISSUANCE OF BOTH AN ACCESS PERMIT AND UTILITY PERMIT FROM MASSDOT.

#### **DEMOLITION PLAN NOTES**

- . PROTECTIONS:
  A.) PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS, TREES OR VEGETATION.
- B.) PROTECT IMPROVEMENTS ON ADJOINING PROPERTIES AND ON OWNER'S PROPERTY.
- C.) RESTORE DAMAGED IMPROVEMENTS TO ORIGINAL CONDITION AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.

  D.) CONDUCT OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH OPERATIONS, STREETS, WALKS, AND OTHER ADJACENT FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. STREETS AND ROADWAYS SHALL BE THOROUGHLY CLEANED AND/OR SWEPT ON A DAILY BASIS OR MORE FREQUENTLY AS REQUIRED BY THE GOVERNING AUTHORITY.
- 2. CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS, CONCERNS REGARDING THE APPLICABLE SAFETY STANDARDS, OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH THE OWNER, IN WRITING, AND RESPONDED TO BY THE OWNER, IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY 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.
- 3. PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:
  - A. OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE OWNER 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/BUILDING DEPARTMENT, 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. N 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 PROJECT 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. COORDINATION 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 NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS.
- 4. CROCKER DESIGN GROUP AND THE 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.
- 5. 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 OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE—DEMOLITION CONDITION, OR BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE.
- 6. 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 STRICT ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER THE DIRECTION OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER AND ARCHITECT.
- 7. 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.
- 8. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE MASSACHUSETTS HIGHWAY DEPARTMENT SPECIFICATIONS FOR HIGHWAYS AND BRIDGES AND/OR THE APPROPRIATE LOCAL AUTHORITIES.
- 9. ALL SLOPES, UNLESS OTHERWISE SPECIFIED, SHALL BE LOAMED AND SEEDED FOR STABILIZATION AS SOON AS POSSIBLE TO PREVENT EROSION INTO WETLAND RESOURCE AREAS, ABUTTING PROPERTIES, OR PUBLIC WAYS. EROSION CONTROL BLANKETS ARE REQUIRED FOR ALL 2H:1V SLOPES. SLOPES MAY NOT EXCEED 2H:1V. SEE "SEEDING" NOTE 3.
- O. ANY DEVIATIONS, I.E. "FIELD CHANGES" FROM THE DESIGN PLAN(S) MUST BE APPROVED BY THE DESIGN ENGINEER IN WRITING. CONTRACTOR SHOULD BE AWARE THAT LOCAL AND STATE AUTHORITIES HAVE JURISDICTION AND APPROVALS MAY BE REQUIRED BY THE APPROPRIATE AUTHORITY PRIOR TO THE IMPLEMENTATION OF THE "FIELD CHANGE." CROCKER DESIGN GROUP, LLC. ASSUMES NO LIABILITY OR RESPONSIBILITY FOR WORK ASSOCIATED WITH FIELD CHANGES COMPLETED WITHOUT REGARD TO THE "FIELD CHANGE" PROCEDURE.
- 11. RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY.
- 12. \*\* \* DIG SAFE NOTE \* \* \* IN ACCORDANCE WITH MGL. CH. 82, SEC. 40 INCLUDING AMENDMENTS, ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES, IN WRITING, OF THE INTENT TO EXCAVATE, BLAST, DEMOLISH, BORE, OR PERFORM OTHER EARTH MOVING OPERATIONS NO LESS THAN 72 HOURS AND NO MORE THAN 30 DAYS PRIOR TO THE COMMENCEMENT OF SUCH WORK (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS) OR CALL "DIG SAFE" AT 1-888-DIG-SAFE.
- 13. LOCATION OF EXISTING UNDERGROUND UTILITIES ON THIS PLAN ARE APPROXIMATE ONLY AND ARE BASED ON ACTUAL FIELD LOCATIONS OF VISIBLE STRUCTURES AND PLAN COMPILATIONS. EXISTING UTILITY LOCATIONS AND ELEVATIONS SHOWN SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. TEST PITS SHALL BE PERFORMED BY CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL INFORM THE DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF ANY CONSTRUCTION.
- 14. USE OF EXPLOSIVES:

   A.) COMPLY WITH ALL LAWS, RULES AND REGULATIONS OF FEDERAL, STATE, AND LOCAL AUTHORITIES AND INSURERS WHICH GOVERN STORAGE, USE, MANUFACTURE, SALE, HANDLING, TRANSPORTATION, LICENSING, OR OTHER DISPOSITION OF EXPLOSIVES. UTILIZE SPECIAL PRECAUTIONS FOR PROPER USE OF EXPLOSIVES TO PREVENT HARM TO HUMAN LIFE AND DAMAGE TO SURFACE STRUCTURES, ALL UTILITY LINES OR OTHER SUBSURFACE STRUCTURES. DO NOT CONDUCT BLASTING OPERATIONS UNTIL PERSONS IN VICINITY HAVE HAD AMPLE NOTICE AND HAVE REACHED POSITIONS OF SAFETY.
   B.) BLASTING OF ANY ROCK SHALL REQUIRE APPROPRIATE APPROVALS FROM THE LOCAL FIRE DEPARTMENT, PLANNING BOARD, BUILDING INSPECTOR AND OTHER PERTINENT AGENCIES, PRIOR TO COMMENCEMENT OF WORK. ALL BLASTED ROCK OR OTHER EXCESS MATERIAL MUST BE REMOVED FROM THE SITE AND DISPOSED OF AT THE EXPENSE OF THE CONTRACTOR.
- 15. ADDITIONAL BENCHMARKS TO BE SET BY CONTRACTOR PRIOR TO CONSTRUCTION TO ENSURE QUALITY WORKMANSHIP.
- 6. THE GOAL OF THESE PLANS IS TO PROVIDE THE CONTRACTOR WITH THE GENERAL EXTENTS OF SITE DEMOLITION. NOT EVERY SPECIFIC ITEM IS IDENTIFIED OR REFERENCE AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE ALL DEMOLITION REMOVALS NECESSARY TO CONSTRUCT THE PROPOSED SITE IMPROVEMENTS AND DELIVER A COMPLETE FINISHED SITE TO THE OWNER.
- 17. BOSTON POST ROAD IS STATE HIGHWAY LAYOUT UNDER THE JURISDICTION AND CONTROL OF MASSDOT. ANY AND ALL WORK WITHIN BOSTON POST ROAD IS SUBJECT TO A MASSDOT ACCESS PERMIT WHICH IS BEING OBTAINED BY THE OWNER. CONTRACTOR SHALL COMPLY WITH ANY AND ALL CONDITIONS OF THE PERMIT.
- 18. 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 ROADWAY RIGHT-OF-WAY.
- 9. 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.
- 20. 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.
- 21. 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.
- 22. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY
- 23. 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.
- 24. 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, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE 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.
- 25. 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.
- 26. CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, 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

#### SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES

- 1. CONTRACTOR TO ABIDE BY PROVISIONS OF EPA NOI NPDES STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND BY STORMWATER MANAGEMENT OPERATION AND MAINTENANCE PLAN CONTRACTOR IS RESPONSIBLE FOR FINALIZING AND EXECUTING THE SWPPP AND FOR COMPLETING THE ONLINE ENOI PROCESS AND OBTAINING A CONSTRUCTION GENERAL PERMIT (CGP). CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL INSPECTIONS REQUIRED BY THE SWPPP AND CGP AND DOCUMENTATION/REPORTING ASSOCIATED WITH THE SWPPP AND IS RESPONSIBLE FOR IMPLEMENTING ALL MEASURES TO COMPLY WITH THE SWPPP AND ASSOCIATED CONDITIONS WITHIN THE ISSUED PERMITS AND APPROVALS FOR THE PROJECT. ALSO REFER TO THE CONDITIONS OF APPROVAL OF THE PERMITS ISSUED, THEY INCLUDE PROVIDING COPIES OF THE COMPLETED EXECUTED SWPPP AND CGP TO THE TOWN (THROUGH THE ENGINEER).
- 2. ALL TEMPORARY STOCKPILE AREAS SHALL HAVE EROSION CONTROLS (SILT SOCK AND SILT FENCE) AROUND THE PERIMETER.
- 3. UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THIS PLAN. DIG SAFE MUST BE NOTIFIED (1-800-344-7233) AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION.
- 4. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE IN PLACE AND OBSERVED PRIOR TO ANY WORK STARTING ON THE PROJECT.
- 5. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON A PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE
- 6. TEMPORARY SEEDING OR OTHER METHOD OF STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE ON ANY AREA OF THE SITE, UNLESS ADDITIONAL CONSTRUCTION OF THE AREAS IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE.
- 7. UPON COMPLETION OF FINE GRADING, ALL AREAS NOT OTHERWISE PERMANENTLY STABILIZED SHALL BE SEEDED AND MAINTAINED UNTIL A UNIFORM COVERAGE OF 75%± MINIMUM DENSITY, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, IS ACHIEVED.
- 8. MAINTENANCE EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEEMS NECESSARY OR AS DIRECTED BY THE ENGINEER OR ARCHITECT. ACCUMULATED SILT AT ANY EROSION CONTROL DEVICE SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6", AND SHALL BE DISTRIBUTED ON—SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION.

#### SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES CONT.

- 9. THE CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING ANY EROSION CONTROL DEVICE WHICH HE DISTURBS. EACH CONTRACTOR SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES WHICH MAY LEAD TO UNAUTHORIZED DISCHARGE OR STORM WATER POLLUTION, SEDIMENTATION OR OTHER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO, EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, PAINTS, SOLVENTS, GREASE, FUEL AND LUBE OIL, PESTICIDES, ANY SOLID WASTE MATERIALS
- 10. ALL SIDE SLOPES SHALL BE SEEDED WITH GRASS OR INSTALL JUTE NETTING TO PREVENT EROSION.
- 11. INSPECTIONS: INSPECTIONS ARE TO BE PERFORMED BY QUALIFIED PERSONNEL. DISTURBED AREAS THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR STORAGE, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, MUST BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A STORM EVEN OF 0.5 INCHES OR GREATER. STABILIZED AREAS ARE TO BE INSPECTED ONCE PER MONTH DISTURBED AREAS AND STORAGE AREAS EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF OR POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. CONTROL MEASURES SHALL BE OBSERVED TO ENSURE THEY ARE WORKING PROPERLY. DISCHARGE LOCATIONS AND POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER CONTROLS ARE PREVENTING SIGNIFICANT IMPACT. BASED ON THE RESULTS OF THE ABOVE INSPECTIONS, ANY NECESSARY CHANGES TO THE PLAN WILL BE MADE WITHIN 7 DAYS OF THE INSPECTION AND SUBMITTED TO THE TOWN OF WAYLAND PLANNING BOARD. THE CHANGES MUST BE IMPLEMENTED IN THE FIELD BEFORE THE NEXT STORM EVEN IF PRACTICABLE, OTHERWISE AS SOON AS POSSIBLE.
- 12. INSTALL AND MAINTAIN CATCH BASIN INSERTS IN ALL PROPOSED AND EXISTING CATCH BASINS.
- 13. PROVIDE TEMPORARY SEDIMENTATION BASINS, SILT SOCK, ETC. AS NECESSARY
- 14. STOCKPILES ARE TO BE AT LEAST 50 FEET FROM WETLAND AREAS OR AS SPECIFIED IN THE PLANS IF WITHIN THE RESOURCE AREA BUFFER ZONES. STOCKPILES NOT TO BE REUSED WITHIN 30 DAYS ARE TO BE STABILIZED WITH SEED OR MULCH.
- 15. POTENTIAL STOCK PILE AREA TO BE PROTECTED WITH EROSION CONTROL MEASURES.
- 16. THE CONTRACTOR SHALL HAVE A WATER TRUCK ON-SITE AT ALL TIMES AND SHALL PROVIDE TEMPORARY PLANTINGS OR OTHER COVERINGS, SUCH AS WOOD CHIPS, TO MINIMIZE THE AMOUNT OF DUST LEAVING THE PREMISES.

#### **CONSTRUCTION PHASING:**

- 1. BELOW IS A GENERAL CONSTRUCTION PHASING. A MORE DETAILED SCHEDULE IS PRESENTED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- 2. CENTERLINE OF ROAD AND EXTENTS OF CONSTRUCTION TO BE DELINEATED BY CONTRACTOR.
- 3. INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE/EXIT
- 4. EROSION AND SEDIMENTATION CONTROL MEASURES INCLUDING SILT SOCK AND SILT FENCE WILL BE INSTALLED. CONTRACTOR SHALL INSPECT CONTROL MEASURES MONTHLY AND AFTER RAIN EVENTS OF 0.5" OR GREATER.
- 5. INSTALLATION OF INLET PROTECTION IN STREET AND ON SITE AS SHOWN.
- 6. DEMOLITION OF EXISTING SITE STRUCTURES (SEE DEMOLITION PLAN SHEET C-2)
- 7. DEMOLITION OF EXISTING SITE PAVEMENT AND AMENITIES (SEE DEMOLITION PLAN SHEET C-2)
- 8. THE PROJECT AREA WILL BE CLEARED OF DEBRIS AND BOULDERS. MATERIAL REMOVED FROM THE SITE WILL BE TRANSPORTED TO AN APPROPRIATE FACILITY OR WILL BE DISPOSED OF ELSEWHERE ACCORDING TO FEDERAL, STATE, AND LOCAL GUIDELINES. INACTIVE STOCKPILES OR AREAS OF GRANULAR MATERIAL OR TOPSOIL SHALL BE TEMPORARILY SEEDED OR MULCHED IN ORDER TO CONTROL SEDIMENT LADEN RUNOFF.
- 9. CONTRACTOR IS RESPONSIBLE TO SET OUT UTILITIES AND ANY NECESSARY GRADES.
- 10. GRADING OF SITE INCLUDING BUILDING PADS, PARKING AREAS, AND DETENTION BASINS AND DIGGING OF UTILITY TRENCHES TO DEFINED SUBGRADE AND INVERT LEVELS. MATERIAL TO BE STORED ON AN UNUSED SITE AREA FOR FILL OR PROPERLY REMOVED FROM THE JOB SITE. IF SUITABLE TOPSOIL IS FOUND, IT WILL BE REMOVED AND STOCKPILED IN AN UPLAND AREA AT LEAST 100' FROM WETLANDS TO BE REUSED AS TOPSOIL ON THE PROJECT.
- 11. PLACING OF FILL OR SUITABLE MATERIAL ON ALL ACCESS ROADS FOR EASY ACCESS. SETTING OUT OF FOUNDATIONS AND SURROUNDING ROADS.
- 12. LAYING OF ALL UTILITIES INCLUDING DRAINAGE PIPES AND STRUCTURES FOLLOWED BY BACK-FILL, TAKING CARE TO LEAVE ONLY TRENCHES BEING WORKED ON OPEN.
- 13. FINE GRADING FOR THE PARKING AREAS, ROADWAYS, AND DRAINAGE SYSTEMS TO BE COMPLETED.
- 14. DRAINAGE BASIN VEGETATION (IF ANY) TO BE ESTABLISHED PRIOR TO DISCHARGE FROM CONSTRUCTED DRAINAGE STRUCTURES.
- 15. ONCE THE DRAINAGE STRUCTURES ARE INSTALLED, PROVIDE PROTECTION AT ALL CATCH BASINS AND INLETS TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
- 16. INSTALL LIGHT POLE AND SIGN BASES AND RUN ELECTRICAL/CONTROL WIRING CONDUITS AND PULL STRINGS.
- 17. INSTALL PAVEMENT AND CONCRETE AREA BASE MATERIALS AND PAVE BINDER COURSE
- 18. INSTALL CURBING AND LANDSCAPE AREAS ISLANDS AS INDICATED ON THE PLANS.
- 19. SIGNAGE, ETC. WILL BE INSTALLED.
- 20. INSTALL TOP COURSE OF PAVING AND SIDEWALK/FLATWORK AREAS.
- 21. INSTALL SITE SIGNAGE.
- 22. PERFORM SITE STRIPING LAYOUT IN CHALK. MEET WITH OWNER ON-SITE TO REVIEW CHALK LINES AND MAKE ADJUSTMENTS PER OWNER'S INPUT PRIOR TO APPLYING PAINT TO PAVEMENT.
- 23. THE FINAL PHASE OF CONSTRUCTION IS RESTORATION AND STABILIZATION OF ALL EXPOSED SURFACES. DISTURBED AREAS SHALL BE LANDSCAPED OR SEEDED (SEE ADDITIONAL DISCUSSION IN SWPPP). IN THE EVENT THAT WEATHER CONDITIONS PREVENT FINAL STABILIZATION, TEMPORARY EROSION AND SEDIMENTATION MEASURES WILL BE EMPLOYED UNTIL THE TEMPERATURE AND WEATHER IS SUITABLE FOR GRASS GROWING. A FINAL INSPECTION WILL ENSURE THAT THE SITE IS CLEARED OF ALL PROJECT DEBRIS AND THAT EROSION AND SEDIMENTATION CONTROLS ARE FUNCTIONING PROPERLY. SILT SOCK AND SILT FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS FULLY STABILIZED AND THE SITE HAS PASSED FINAL INSPECTION. VEGETATION IS TO BE OF A UNIFORM DENSITY OF AT LEAST 75% FOR ACCEPTANCE.

#### EROSION CONTROL NOTES DURING WINTER CONSTRUCTION:

- WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
- 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 TO THE MAXIMUM EXTENT PRACTIBLE.
- 3. EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
- 4. 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.
- 5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR STRAW AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEEDED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
- BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, 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 SEEDED 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 UNEXPOSED 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 STRAW OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS
- MULCHING REQUIREMENTS:
- 7.1. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING OR WOOD CELLULOSE FIBER.

AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.

- 7.2. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSEDTO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.
- 7.3. 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%.
- 9. DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.
- 10. 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.
- 11. EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED

REFER TO LAYOUT PLAN SHEET
C-4 FOR ZONING ANALYSIS
TABLE AND LAND USE/ZONING
INFORMATION AND NOTES

REFER TO SOIL AND EROSION CONTROL PLAN SHEET C-3.2 FOR TYPICAL EROSION CONTROL DETAILS

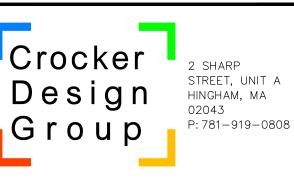
REFER TO LANDSCAPE PLANS
PREPARED BY RYAN
ASSOCIATES FOR TYPICAL
LANDSCAPE NOTES AND DETAILS

REFER TO LIGHTING PLAN
PREPARED BY LSI FOR TYPICAL
LIGHTING NOTES AND DETAILS

Date Description No.

Revisions





WAYLAND - BENTLEY,
LAMBORGHINI, ROLLS ROYCE,
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Drawing Title

GENERAL PLAN NOTES SHEET

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- 2. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- 3. CONTRACTOR SHALL REPORT SIGNIFICANT CONFLICTS TO THE OWNER OR HIS REPRESENTATIVE FOR RESOLUTION.
- 4. THE CONTRACTOR SHALL FURNISH AND SET ALL LINES AND GRADES REQUIRED AND PROTECT ALL PERMANENT BENCHMARKS OR MONUMENTS. DAMAGED MONUMENTS SHALL BE REPLACED BY A LICENSED SURVEYOR AT NO COST TO THE OWNER.
- ALL CONCRETE WORK SHALL COMPLY WITH ACI301, "SPECIFICATION FOR STRUCTURAL CONCRETE," AND ACI 316R, UNLESS MODIFIED BY THE CONTRACT DOCUMENTS. COMPLY WITH CRSI'S
  "MANUAL OF STANDARD PRACTICE" FOR FABRICATING, PLACING, AND SUPPORTING REINFORCEMENT. COMPLY WITH ACI 306.1 FOR COLD WEATHER PROTECTION, AND FOLLOW RECOMMENDATIONS

  3. IN ACI 350R FOR HOT WEATHER PROTECTION DURING CURING. COMPLY WITH ACI 304 "GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE."
- . ALL CONCRETE MUST BE AIR ENTRAINED AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT
- 7. BITUMINOUS CONCRETE PAVEMENT: CLASS I, TYPE I-1 CONFORMING TO THE STANDARD SPECIFICATIONS, SECTIONS 460 THROUGH 460.02 FOR BINDER COURSE AND TOP COURSE JOB MIX FORMULAS. THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A CERTIFICATE OF COMPLIANCE SUPPLIED BY THE PAVING CONTRACTOR.
- 8. SAW-CUT EXISTING PAVEMENT WHERE NEW BITUMINOUS CONCRETE PAVEMENT IS TO COME IN CONTACT. PRIME COAT THE CUT EDGE PRIOR TO PLACEMENT.
- 2. ALL ACCESSIBLE (A/K/A 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.
- 10. CONTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (ACCESSIBLE) 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 ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC TRANSPORTATION, PEDESTRIAN ACCESS, INTER—BUILDING ACCESS, TO POINTS OF ACCESSIBLE BUILDING ENTRANCE/EXIT, MUST COMPLY WITH THESE ADA AND/OR ARCHITECTURAL ACCESS BOARD CODE REQUIREMENTS. THESE INCLUDE. BUT ARE NOT LIMITED TO THE FOLLOWING:

• PARKING SPACES AND PARKING AISLES - SLOPE SHALL NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.

• CURB RAMPS - SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.

• LANDINGS — MUST BE PROVIDED AT EACH END OF RAMPS, 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 BE NO 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 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RARE 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 CONTRACTOR'S FORMS PRIOR TO POURING CONCRETE. IF ANY NON-CONFORMANCE 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-CONFORMING CONCRETE.

• IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCEMENT OF CONSTRUCTION

THE OWNER PLAYS AN ACTIVE ROLE IN THE PARKING LOT STRIPING PROCESS. CONTRACTOR SHALL SCHEDULE TO HAVE THEIR STRIPING CONTRACTOR LAY OUT THE PARKING LOT IN COORDINATION WITH THE OWNER USING CHALK LINES. THIS IS OWNER'S OPPORTUNITY TO MAKE ANY FINAL REVISIONS/CHANGES TO THE PROPOSED LAYOUT ON SITE PRIOR TO PAINTING THE LINES. STRIPER WILL THEN UPDATE THE CHALK LINE LAYOUT PER OWNER'S INPUT AND OBTAIN OWNER'S APPROVAL TO PAINT THE LINES. AT NO TIME SHALL THE STRIPER PERFORM THE PAINTING WITHOUT THE PRIOR APPROVAL FROM THE OWNER.

- 2. OWNER'S SURVEYOR WILL PROVIDE A SURVEY CONTROL WORKSHEET TO CONTRACTOR TO ASSIST CONTRACTOR IN ESTABLISHING VERTICAL AND HORIZONTAL CONTROL ON THE SITE. CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL LAYOUT TO COMPLETE THE PROJECT. SITE AS—BUILTS TO BE PERFORMED BY OWNER'S SURVEYOR (CROCKER DESIGN GROUP). CONTRACTOR WILL WORK WITH OWNER'S SURVEYOR. IT IS IMPORTANT TO COORDINATE WITH OWNER'S SURVEYOR ON ALL ITEMS THAT MUST BE SURVEYED PRIOR TO BACKFILL / BURIAL.
- 3. CONTRACTOR IS RESPONSIBLE FOR ENTIRE FENCING SCOPE (FOUNDATIONS, POSTS, RAILS, FABRIC, ETC) AND GATE SYSTEMS (FOUNDATIONS, POSTS, GATES, ETC) PER THESE SITE PLANS.

  CONTRACTOR SHALL ALSO FURNISH AND INSTALL A COMPLETE DUMPSTER ENCLOSURE PER THE PLANS.

#### **GRADING AND DRAINAGE 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, DRAINAGE 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. THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION. CONTRACTOR MUST CONFIRM AND ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT (EXCEPT WHERE ADA REQUIREMENTS OR EXISTING TOPOGRAPHY LIMIT GRADES), TO PREVENT PONDING. CONTRACTOR MUST IMMEDIATELY IDENTIFY, IN WRITING TO THE ENGINEER, 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 CONTRACTOR'S 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.
- 3. 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. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL 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.
- 4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP (IF ANY) REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT'S M/E/P/FP ENGINEER 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 WITH JURISDICTION AND/OR CONTROL OF THE SITE, AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE—INS/CONNECTIONS PRIOR TO CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER. IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME.
- 5. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- 6. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1/8" PER FOOT UNLESS OTHERWISE SPECIFIED. ANY DISCREPANCIES NOT ALLOWING THIS MINIMUM PITCH SHALL BE REPORTED TO THE OWNER OR HIS REPRESENTATIVE PRIOR TO CONTINUING WORK.
- 7. ALL SITEWORK SHALL CONFORM TO THE CONTRACT DOCUMENTS AND SHALL COMPLY WITH APPLICABLE CODES AND REGULATIONS, AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
  PREPARED FOR THE PROJECT.
- 8. DURING THE PROGRESS OF THE WORK, THE CONTRACTOR MAY BE REQUIRED TO EXCAVATE ADDITIONAL TEST PITS FOR THE PURPOSE OF LOCATING UNDERGROUND UTILITIES OR STRUCTURES AS AN AID IN ESTABLISHING THE PRECISE LOCATION OF NEW WORK. THIS WORK IS TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. TEST PITS SHALL BE BACKFILLED, AS SOON AS THE DESIRED INFORMATION HAS BEEN OBTAINED.
- 9. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY CONTRACTOR OPERATIONS.
- 10. UNLESS DIRECTED OTHERWISE, ALL EXISTING TURF OR VEGETATED AREAS WITHIN THE PROPOSED LIMITS OF WORK FOR EXCAVATION, GRADING, OR IMPROVEMENT SHALL BE CLEARED AND GRUBBED. WITHIN THE CLEARING AND GRUBBING AREA, REMOVE ALL TREES, SHRUBS AND ROOTS UNLESS DESIGNATED OTHERWISE. CLEARING SHALL INCLUDE THE FELLING, CUTTING AND OFF—SITE DISPOSAL OF ALL TREES, SHRUBS, STUMPS AND VEGETATIVE DEBRIS PRODUCED THROUGH THE CLEARING OPERATIONS.
- 11. FILL DEPRESSIONS CAUSED BY TEST PITS AND CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY SOIL MATERIAL UNLESS FURTHER EXCAVATION OR EARTHWORK IS INDICATED.
- 12. THE CONTRACTOR SHALL PREVENT SURFACE WATER AND SUBSURFACE OR GROUNDWATER FROM FLOWING INTO EXCAVATIONS OR EARTHWORK AREAS WHICH WOULD CAUSE FLOODING OF THE PROJECT SITE AND SURROUNDING AREA, OR SOFTENING OR LOOSENING OF THE SOIL AT EXCAVATION OR EARTHWORK SUB-GRADES.
- 13. THE CONTRACTOR SHALL PROVIDE, INSTALL, OPERATE, MAINTAIN AND REMOVE ADEQUATE AND SATISFACTORY DEWATERING SYSTEMS AND DRAINAGE OF EXCAVATIONS TO PERMIT CONSTRUCTION TO PROCEED "IN THE DRY". THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE ADEQUACY OF THE METHODS, MATERIALS AND EQUIPMENT EMPLOYED. THE CONTRACTOR SHALL BEAR
- 14. THE CONTRACTOR SHALL PROHIBIT SEEPAGE, GROUNDWATER FLOW OR SURFACE INFILTRATION AND RUNOFF FROM UNDERMINING OR OTHERWISE DAMAGING ADJACENT STRUCTURES AND
- 15. ANY WATER PUMPED FROM EXCAVATIONS WILL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO HAYBALE CORRALS OR SEDIMENTATION BAGS.
- 16. PAVING, CONCRETE WORK AND BASE COURSE PREPARATION SHALL BE DONE ONLY AFTER EXCAVATION AND CONSTRUCTION WORK WHICH MIGHT INJURE THEM HAS BEEN COMPLETED. DAMAGE CAUSED DURING CONSTRUCTION SHALL BE REPAIRED BEFORE ACCEPTANCE.
- 17. PAVEMENT OR BASE MATERIALS SHALL NOT BE PLACED ON A MUDDY OR FROZEN SUBGRADE.

THE FULL COST OF PROVIDING ALL NECESSARY DEWATERING.

- 18. ESTABLISHMENT OF GRADES, GRADE CONTROL, AND CONFORMANCE TO REQUIRED GRADE TOLERANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 19. PROTECT GRADED, FINISHED OR PAVED AREAS FROM DAMAGE AND KEEP THEM FREE OF TRASH AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS.
- 20. PAVEMENT EXCAVATED DURING UTILITY CONSTRUCTION, WHETHER ON THE SITE OR ADJACENT PROPERTIES, SHALL BE RESTORED AND MATCHED WITH EXACTLY THE SAME MATERIALS AND TOLERANCES AS PRIOR TO DISRUPTION, AT NO ADDITIONAL COST TO THE OWNER, OR ADJACENT PROPERTY OWNERS.
- 21. STONE USED FOR MACHINE PLACED RIP—RAP SHALL BE REASONABLY WELL GRADED, HARD, DURABLE, ANGULAR IN SHAPE, RESISTANT TO WEATHERING AND FREE FROM ORGANIC MATERIAL. ROUNDED STONES OR BOULDERS ARE NOT ACCEPTABLE. THE MINIMUM WEIGHT OF THE STONE SHALL BE 155 POUNDS PER CUBIC FOOT. STONE SHALL BE PLACED IN CONFORMANCE WITH THE LINES, GRADES AND THICKNESSES SHOWN ON THE DRAWINGS.
- 22. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
- 23. ALL RIP RAP STONE SHALL BE HAND CHINKED AND SHALL CONFORM TO MASSACHUSETTS HIGHWAY DEPARTMENT STANDARDS.
- 24. 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 SET/DETERMINED BY THE CONTRACTOR BASED ON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED
  BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS.
- 25. CONTRACTOR SHALL COMPLETE THE RETAINING WALLS ON A DESIGN—BUILD BASIS. PROVIDE RETAINING WALL PLANS, STAMPED BY A MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER TO OWNER AND ENGINEER DURING THE SHOP DRAWING REVIEW PROCESS. CONTRACTOR WILL THEN APPLY FOR AND OBTAIN A BUILDING PERMIT FOR WALL CONSTRUCTION FROM THE BUILDING DEPARTMENT AND FURNISH AND INSTALL THE RETAINING WALL SYSTEM.
- 26. MANHOLES SHALL BE 48-INCH DIAMETER (UNLESS OTHERWISE SPECIFIED). CAST-IN-PLACE BASES SHALL BE USED WHERE MANHOLES ARE CONSTRUCTED OVER EXISTING PIPES.
- 27. THE CONTRACTOR SHALL FILL ALL PRE-CAST TANKS WITH WATER FOR LEAKAGE OBSERVATIONS BY THE ENGINEER OVER A PERIOD OF 24-HOURS. ANY LEAKS SHALL BE REPAIRED BY THE CONTRACTOR.
- 28. FOR SPECIFIC INFORMATION OF FRAMES AND COVER FOR DRAINAGE STRUCTURES SEE DETAIL SHEETS,
- 29. DRAINAGE STRUCTURE COVERS SHALL HAVE THE WORD "DRAIN" CENTERED ON THE COVER IN 3-INCH HIGH LETTERS.
- 30. FRAMES, GRATES AND COVERS SHALL BE SET FIRM AND TRUE TO GRADE, ADJUST FOR GRADE WITH BRICK MASONRY.
- 31. ALL ON-SITE DRAIN LINES SHALL BE SMOOTH INT. WALLED CPE PIPE UNLESS OTHERWISE NOTED.
- 32. PROTECT PROPOSED INFILTRATION SYSTEMS FROM SEDIMENTATION THROUGHOUT CONSTRUCTION OPERATIONS. INFILTRATION SYSTEMS ARE NOT TO BE USED UNTIL DRAINAGE SYSTEM IS INSTALLED AND FUNCTIONAL AND APPROVED FOR USE BY THE ENGINEER.
- 33. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF SAME BASED ON FINAL ARCHITECTURAL

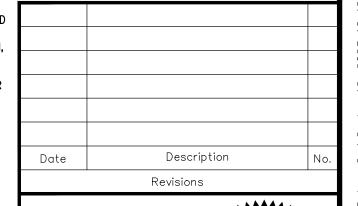
#### **UTILITY PLAN NOTES**

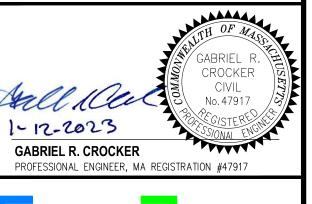
- 1. CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE, REFER 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.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH
- 3. 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.
- 4. THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION 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.
- 5. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
- 6. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND ARCHITECT FOR RESOLUTION.
- 7. 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.
- 8. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE PAVEMENT FINISH GRADE UNLESS OTHERWISE NOTED. RIM ELEVATIONS OF DRAINAGE STRUCTURES AND
- 9. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES AND PLANTING BEDS. PITCH EVENLY BETWEEN SPOT GRADES.
- 10. THE CONTRACTOR SHALL PRESERVE FROM DAMAGE ALL VEGETATION DESIGNATED TO REMAIN AS SHOWN ON THE DRAWINGS, FLAGGED IN THE FIELD OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. THE LIMIT OF CLEARING SHALL BE IN ACCORDANCE WITH LIMIT OF WORK AS SHOWN ON THE DRAWINGS, UNLESS OTHERWISE SPECIFIED. NO TREES SHALL BE CUT, REMOVED, DESTROYED OR TRIMMED OUTSIDE THE LIMIT OF WORK WITHOUT APPROVAL OF THE OWNER AND THE TOWN PLANNING BOARD.
- 11. THE CONTRACTOR SHALL ALTER THE MASONRY OF THE TOP SECTION OF ALL EXISTING DRAINAGE STRUCTURES AS NECESSARY FOR CHANGES IN GRADE, AND RESET ALL WATER AND DRAINAGE FRAMES, GRATES AND BOXES TO THE PROPOSED FINISH SURFACE GRADE. ANY AND ALL EXISTING FRAMES AND GRATES SHALL BE REPLACED WITH NEW UNLESS OTHERWISE SPECIFIED ON THE
- 12. UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE.
- 13. ALL SITEWORK SHALL CONFORM TO THE CONTRACT DOCUMENTS AND SHALL COMPLY WITH APPLICABLE CODES AND REGULATIONS, AND THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT. THE CONTRACTOR SHALL MAKE ALL NOTIFICATIONS REQUIRED FOR INSPECTIONS AND TESTING ASSOCIATED WITH SUCH.
- 14. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND CONSTRUCTION SHALL COMPLY WITH ALL TOWN DEPARTMENT OF PUBLIC WORKS REQUIREMENTS FOR PAVING, PAVEMENT CUTTING, EXCAVATION, UTILITY CONNECTIONS, BACKFILLING, AND PATCHING.
- 15. ALL RIP RAP STONE SHALL BE HAND CHINKED AND SHALL CONFORM TO MASSACHUSETTS HIGHWAY DEPARTMENT STANDARDS.

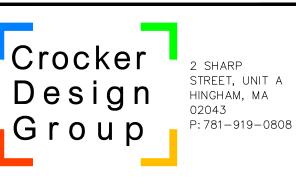
MANHOLES ARE APPROXIMATE

- 16. SIZES OF DOMESTIC AND FIRE WATER SERVICES TO BE DETERMINED BY PROJECT MEP ENGINEER AND FIRE PROTECTION ENGINEER.
- 17. CONTRACTOR IS CAUTIONED THAT NOT EVERY FITTING ON THE WATER AND FIRE SERVICE ARE LABELED. TYPICAL FITTINGS ARE LABELED FROM TIME TO TIME, HOWEVER THE INTENT OF THESE DRAWINGS IS THAT THE CONTRACTOR PROVIDE A COMPLETE WORKING SYSTEM, INCLUSIVE OF ALL COMPONENTS NECESSARY TO CONSTRUCT, OPERATE AND MAINTAIN BOTH THE FIRE AND WATER
- 18. 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 AND VERIFY THEIR COMMUNICATION/COORDINATION REQUIREMENTS AND ESTABLISH COMMUNICATION PROTOCOLS BETWEEN CONTRACTOR AND WATER DEPARTMENT.
- 19. LOCATION OF ELECTRICAL AND TELECOM SYSTEMS ARE APPROXIMATE. REFER TO FINAL ELECTRICAL SITE PLANS FOR DETAIL INFORMATION AND LOCATION OF ALL ELECTRIC, TELECOM, CABLE
- 20. ALL FILL, COMPACTION, 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, COMPACTION AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR EARTHWORK BALANCE.
- 21. 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 JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS RELATED FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES.
- 22. 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 2X4, 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.
- 23. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER DEPARTMENT. IN THE ABSENCE OF SUCH REQUIREMENTS, WATER MAIN PIPING MUST BE CEMENT—LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION.
- 24. 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
- 25. OWNER'S ELECTRICIAN SHALL FURNISH AND INSTALL ALL ELECTRICAL AND TELECOM CONDUITS, HANDHOLES AND WIRING. CONTRACTOR SHALL SUPPORT OWNER'S ELECTRICIAN BY PROVIDING
- ALL REQUIRED TRENCHING INCLUDING EXCAVATION, BACKFILL, COMPACTION AND CONCRETE ENCASEMENT. REFER TO SITE PLANS AND ARCHITECTURAL AND M/E/P/FP PLANS.

  26. CONTRACTOR TO FURNISH AND INSTALL A COMPLETE SITE WATER SYSTEM FROM THE NEW CONNECTION TO THE EXISTING MAIN WITHIN BOSTON POST ROAD TO THE BUILDING INCLUDING BOTH THE DOMESTIC AND FIRE SERVICES, AND ALL FITTINGS (TAPPING SLEEVE & VALVE, BENDS, TEES, VALVES, RESTRAINTS, HYDRANTS, ETC) TO PROVIDE A COMPLETE SYSTEM. CONTRACTOR TO COORDINATE WITH OWNER'S BUILDING CONTRACTOR TO COMPLETE THE WATER SERVICE CONNECTIONS WITHIN THE BUILDING. COORDINATE AND PERFORM SYSTEM PRESSURE TESTING, CHLORINATION AND FLUSHING TESTING PER SUDBURY WATER COMMISSION REQUIREMENTS.
- 27. CONTRACTOR SHALL ALSO PERFORM THE DISCONNECTIONS, DEMOLITION AND REMOVAL OF THE EXISTING WATER SERVICE FROM THE CONNECTION AT THE EXISTING MAIN IN BOSTON POST ROAD,
  TO THE BUILDING. CONTRACTOR SHALL COORDINATE WITH THE SUDBURY WATER COMMISSION FOR THE DISCONNECTION IN THE STREET AND OWNER'S BUILDING CONTRACTOR(S) FOR
  DISCONNECTION WITHIN THE BUILDING PRIOR TO SITE DEMOLITION OF THE EXISTING SERVICE.
- 28. CONTRACTOR TO COORDINATE WITH GAS COMPANY AND OWNER TO COMPLETE THE DISCONNECTION OF THE EXISTING GAS SERVICE TO ALLOW FOR THE REGARDING OF THE SITE, AS WELL AS
  THE INSTALLATION OF THE NEW GAS SERVICE. FOR BIDDING PURPOSES, CONTRACTOR SHALL PROVIDE ONGOING COORDINATION AND ACCOMMODATE GAS COMPANY'S WORK ON SITE. ASSUME
  FURNISHING AND INSTALLATION OF NEW GAS SERVICE TO BE BY THE GAS COMPANY, INCLUDING EXCAVATION AND BACKFILL AND LAYING OF THE NEW LINE. CONTRACTOR SHALL ASSUME
  REMOVAL OF THE EXISTING GAS SERVICE WITHIN THE SITE, AFTER GAS COMPANY COMPLETES THEIR DISCONNECTION, WILL BE BY CONTRACTOR.
- 29. CONTRACTOR SHALL REQUEST AND OBTAIN PERMISSION FOR TEMPORARY WATER SERVICE. THEN INSTALL/MAINTAIN THE TEMPORARY SERVICE AS NEEDED DURING CONSTRUCTION. THEN REMOVE TEMPORARY SERVICE ONCE IS OVER DURING CONSTRUCTION.
- 30. CONTRACTOR TO ERECT LIGHT POLE BASES ON SITE. ANCHOR BOLT PATTERN TO BE PROVIDED BY OWNERS' SITE LIGHTING VENDOR. ANCHOR BOLTS, LIGHT POLES AND FIXTURES TO BE PROVIDED BY OWNER. CONTRACTOR SHALL ERECT AND WIRE THE SITE LIGHTS.
- 31. OWNER TO PURCHASE SITE LIGHTING POLES AND LIGHT FIXTURES DIRECTLY FROM MANUFACTURER AND HAVE DELIVERED TO THE SITE FOR CONTRACTOR TO ERECT.
- 32. SITE LIGHTING CONDUITS AND HANDHOLES SHALL BE FURNISHED AND INSTALLED BY OWNER'S ELECTRICAL CONTRACTOR WITH CONTRACTOR PROVIDING ALL EXCAVATION, BACKFILL AND COMPACTION FOR ALL CONDUITS AND HANDHOLES THROUGHOUT SITE AND UP TO EXTERIOR BUILDING WALL(S).
- 33. OWNER'S ELECTRICIAN WILL WORK WITH OWNER'S BUILDING CONTRACTOR(S) TO TERMINATE ALL CONDUITS AND WIRING WITHIN THE BUILDING.
- 34. A SECTION OF CONDUITS AND HAND HOLES ARE SHOWN ON THE UTILITY PLAN TO RUN BEHIND THE PROPOSED RETAINING WALL ON THE NORTH END OF THE PROJECT. CONTRACTOR IS TO TAKE THIS INTO CONSIDERATION WITH THEIR DESIGN—BUILD SCOPE FOR THE RETAINING WALLS. AS AN ALTERNATIVE, OWNER IS OPEN TO THE OPTION OF INSTALLING THE HANDHOLES AND CONDUITS UNDER THE PAVEMENT SIDE OF THE WALL (WITH POLES REMAINING BEHIND THE WALL). CONTRACTOR TO PROVIDE INPUT AT TIME OF BIDDING FOR PURPOSES OF THIS BID







WAYLAND - BENTLEY,
LAMBORGHINI, ROLLS ROYCE,
MASSERATTI, ALFA ROMEO

repared for

HERB CHAMBERS 533
BOSTON POST ROAD, LLC
#533 BOSTON POST ROAD - ROUTE 20

WAYLAND, MA 01778

**GENERAL PLAN** 

Drawing Title

NOTES SHEET

No. 100-173 Drawing No.

ate 1-12-2023

cale AS NOTED

rawn By MDO / JPM

poroved By CPC

REFER TO LAYOUT PLAN SHEET
C-4 FOR ZONING ANALYSIS
TABLE AND LAND USE/ZONING
INFORMATION AND NOTES

CONTRACTOR SHALL OWN THE SCOPE FOR OWNER TO SELECT EITHER LOCATION.

REFER TO SOIL AND EROSION
CONTROL PLAN SHEET C-3 FOR
TYPICAL EROSION CONTROL
DETAILS

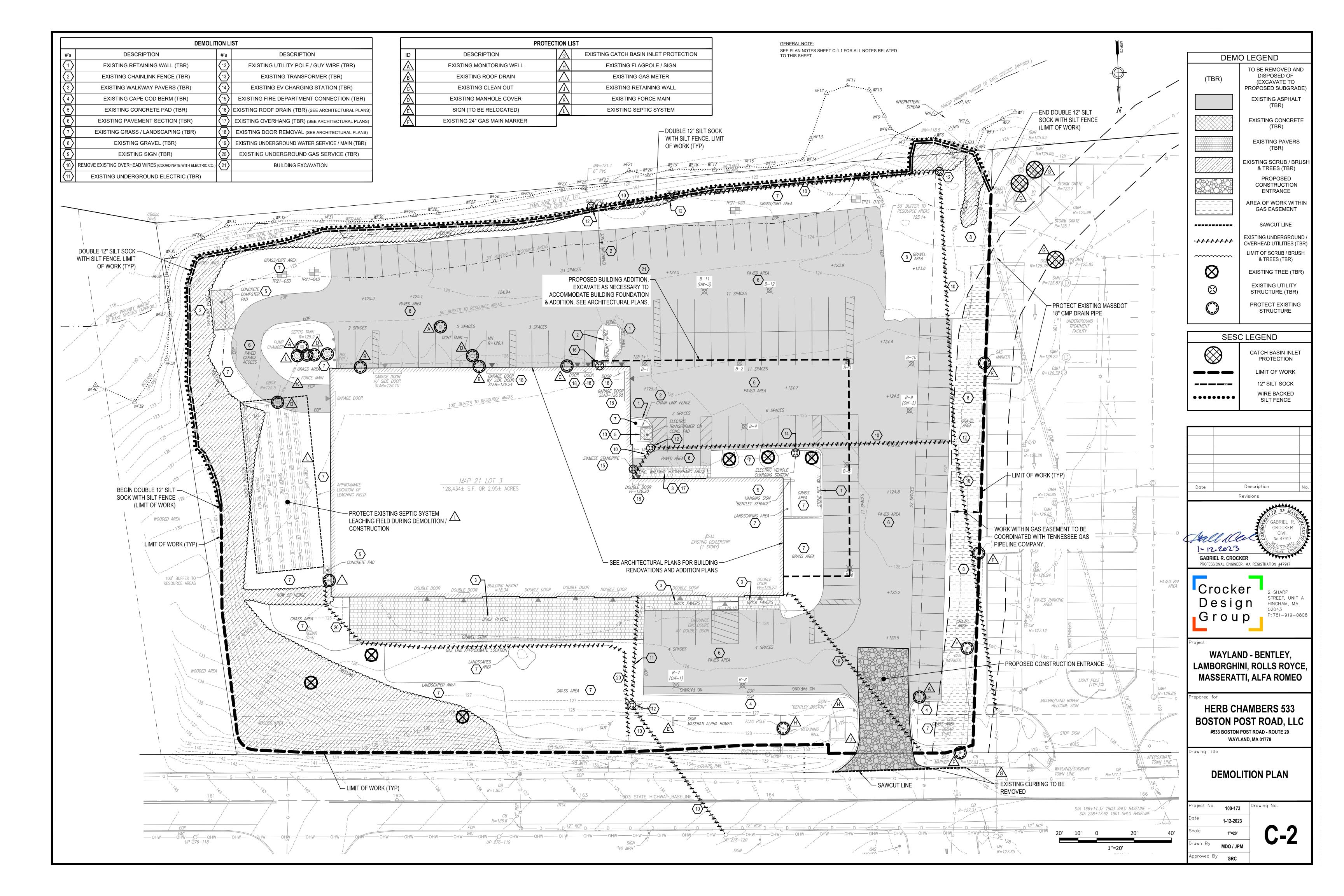
REFER TO LIGHTING PLAN
PREPARED BY LSI FOR TYPICAL
LIGHTING NOTES AND DETAILS

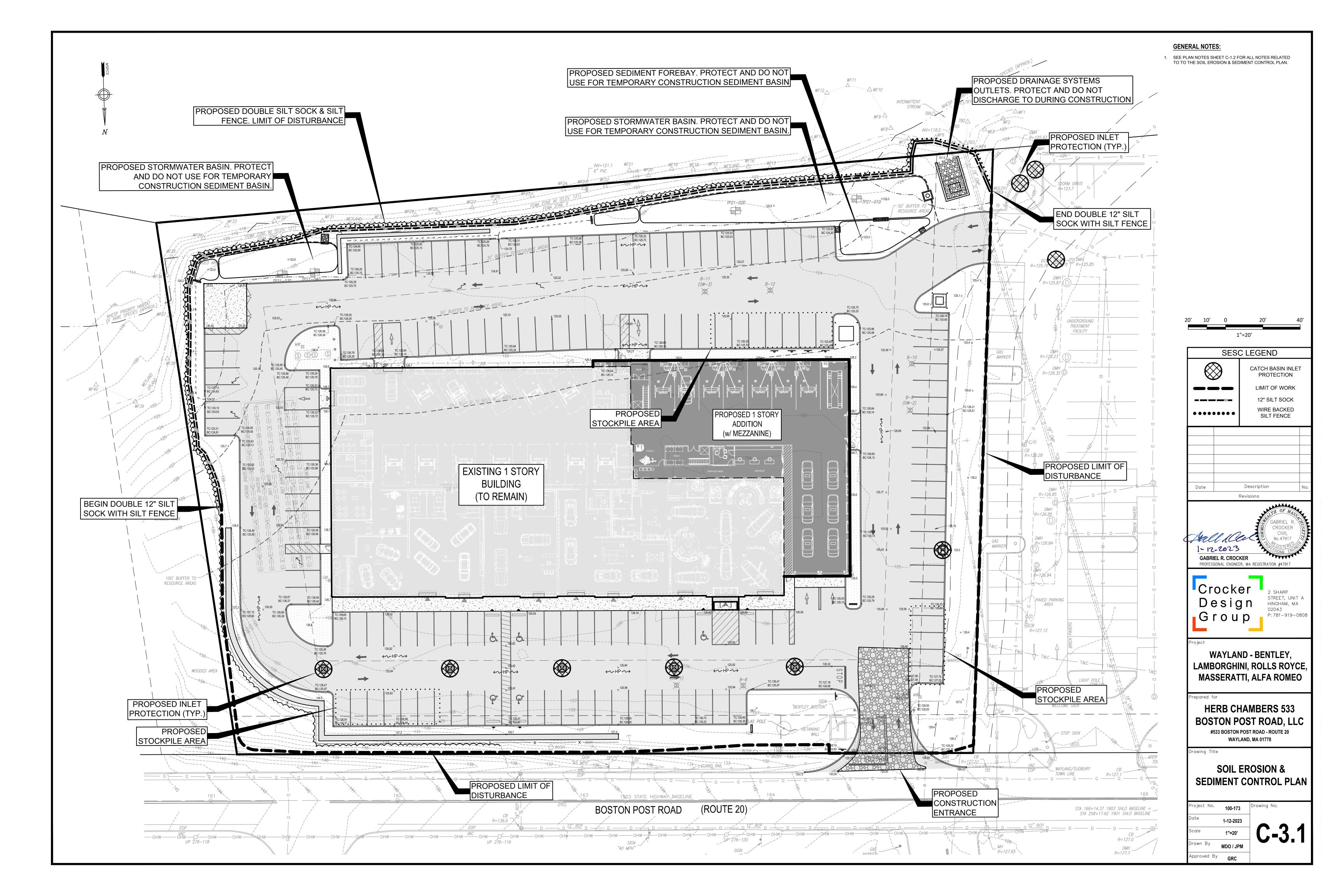
REFER TO LANDSCAPE PLANS

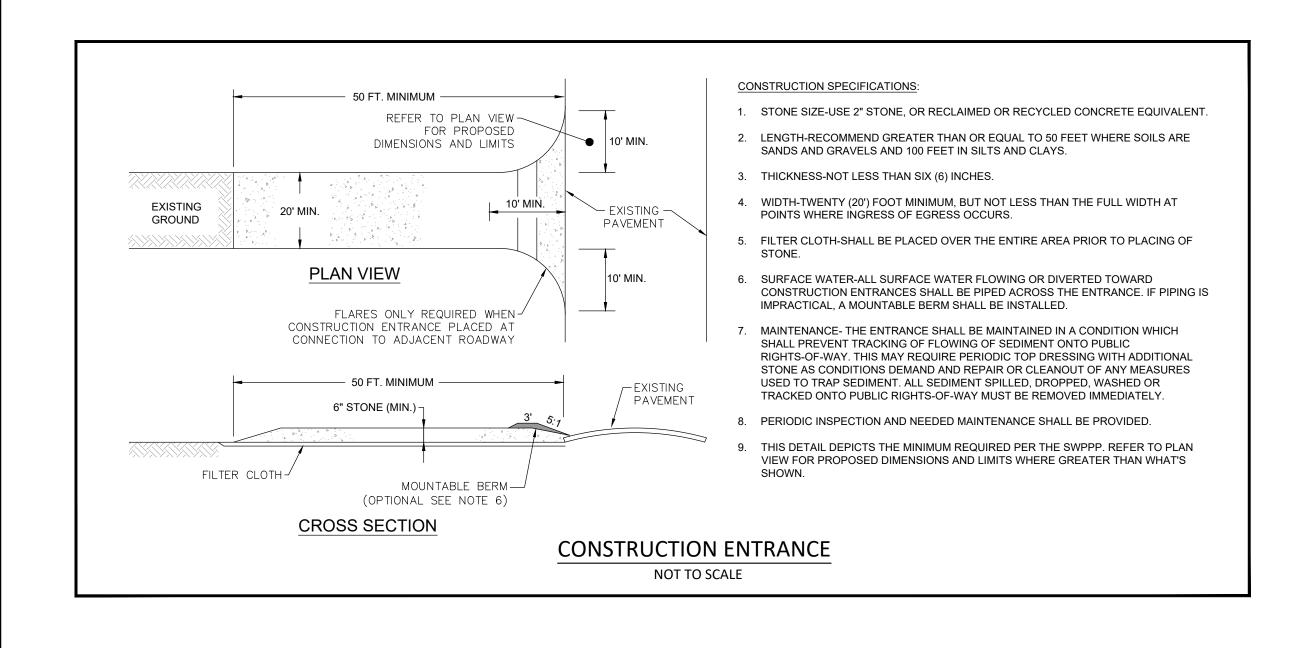
PREPARED BY RYAN

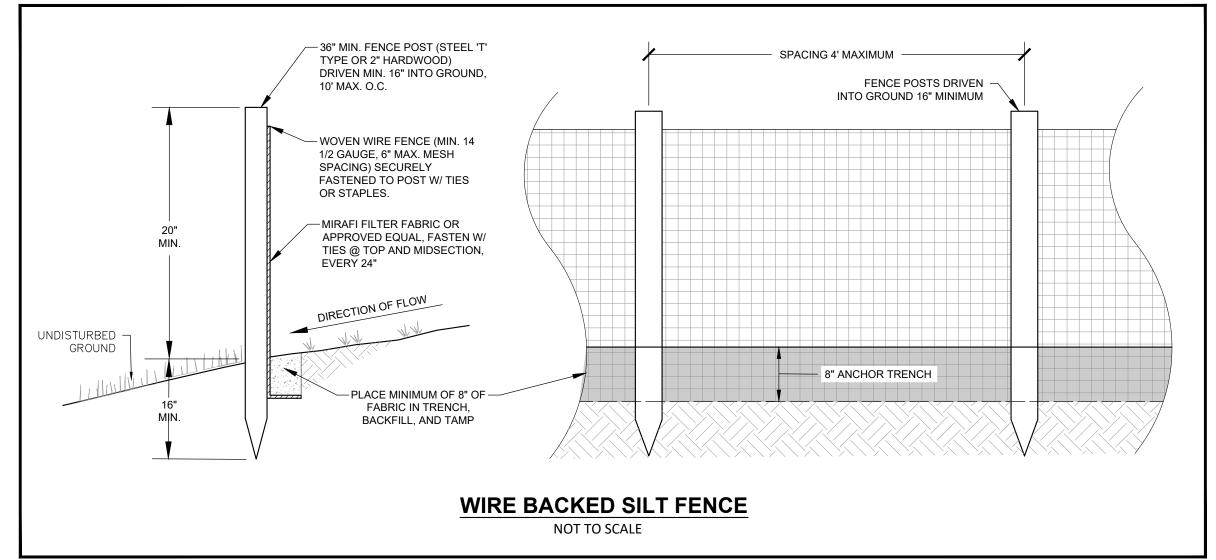
ASSOCIATES FOR TYPICAL

LANDSCAPE NOTES AND DETAILS



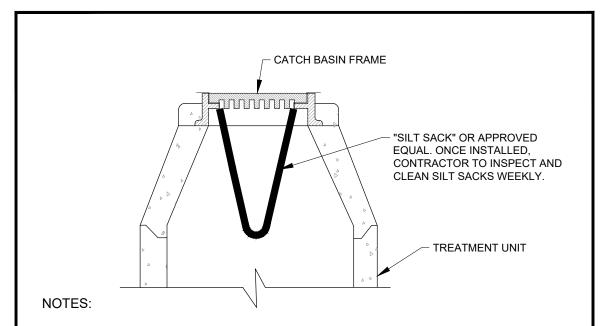






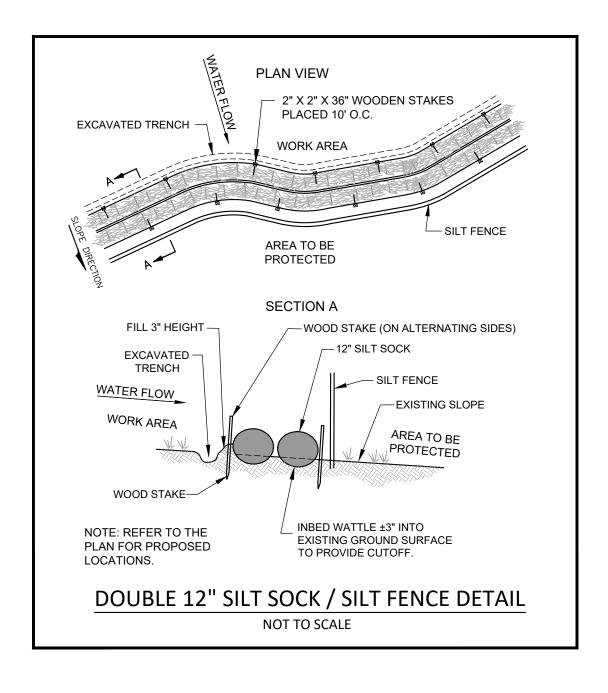
#### **GENERAL NOTES:**

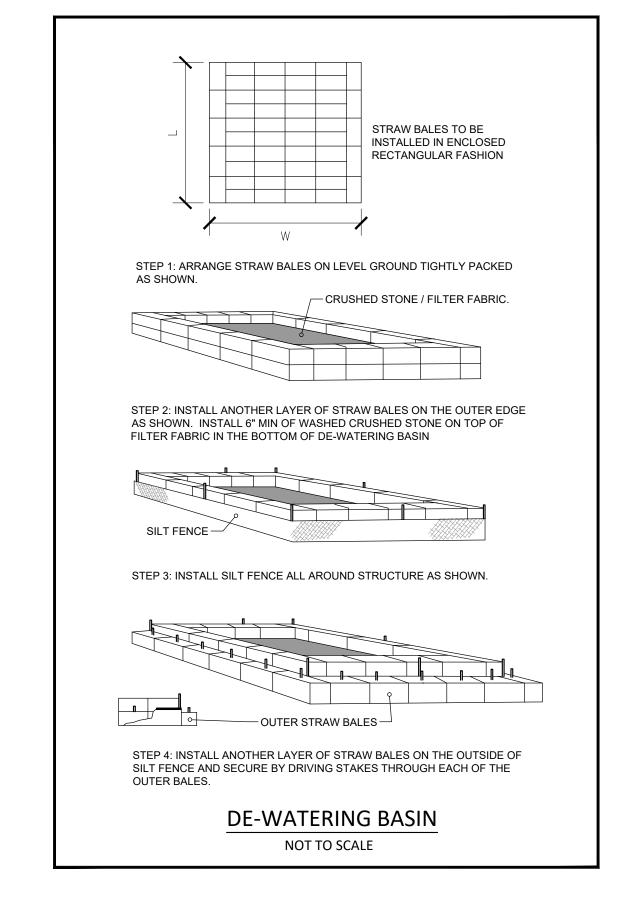
1. SEE PLAN NOTES SHEET C-1.2 FOR ALL NOTES RELATED TO TO THE SOIL EROSION & SEDIMENT CONTROL PLAN.

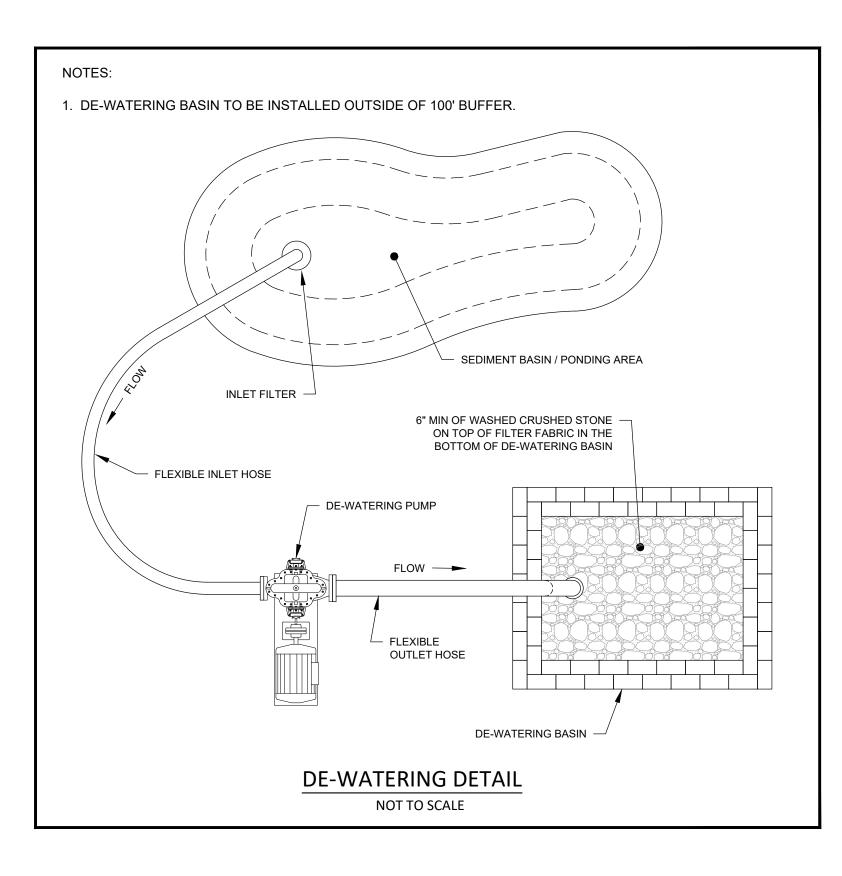


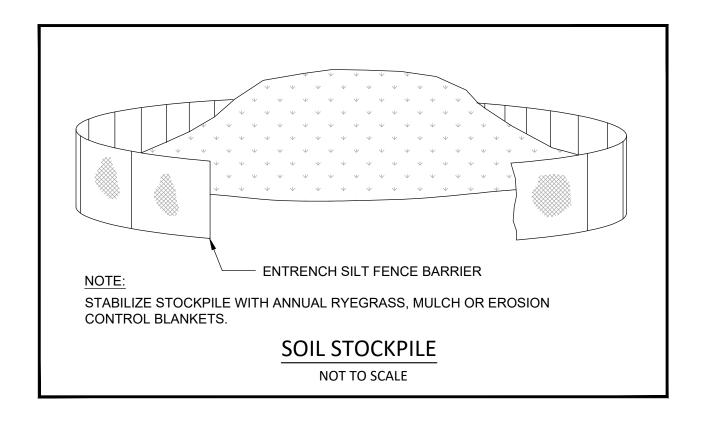
- TO BE INSTALLED IN ALL GRATED TREATMENT UNITS AFTER INSTALLATION AND PROPERLY MAINTAINED UNTIL COMPLETION OF CONSTRUCTION. CONTRACTOR TO PROPERLY REMOVE AFTER SIGNOFF FROM TOWN AND DESIGN ENGINEER.
- 2. BOOT ADAPTER MAY BE TRIMMED TO SIZE.

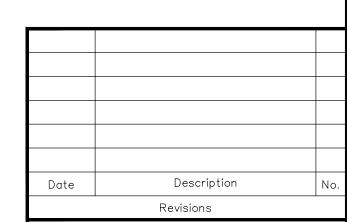
"SILT SACK" FILTER BAG NOT TO SCALE



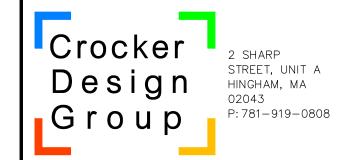












**WAYLAND - BENTLEY,** 

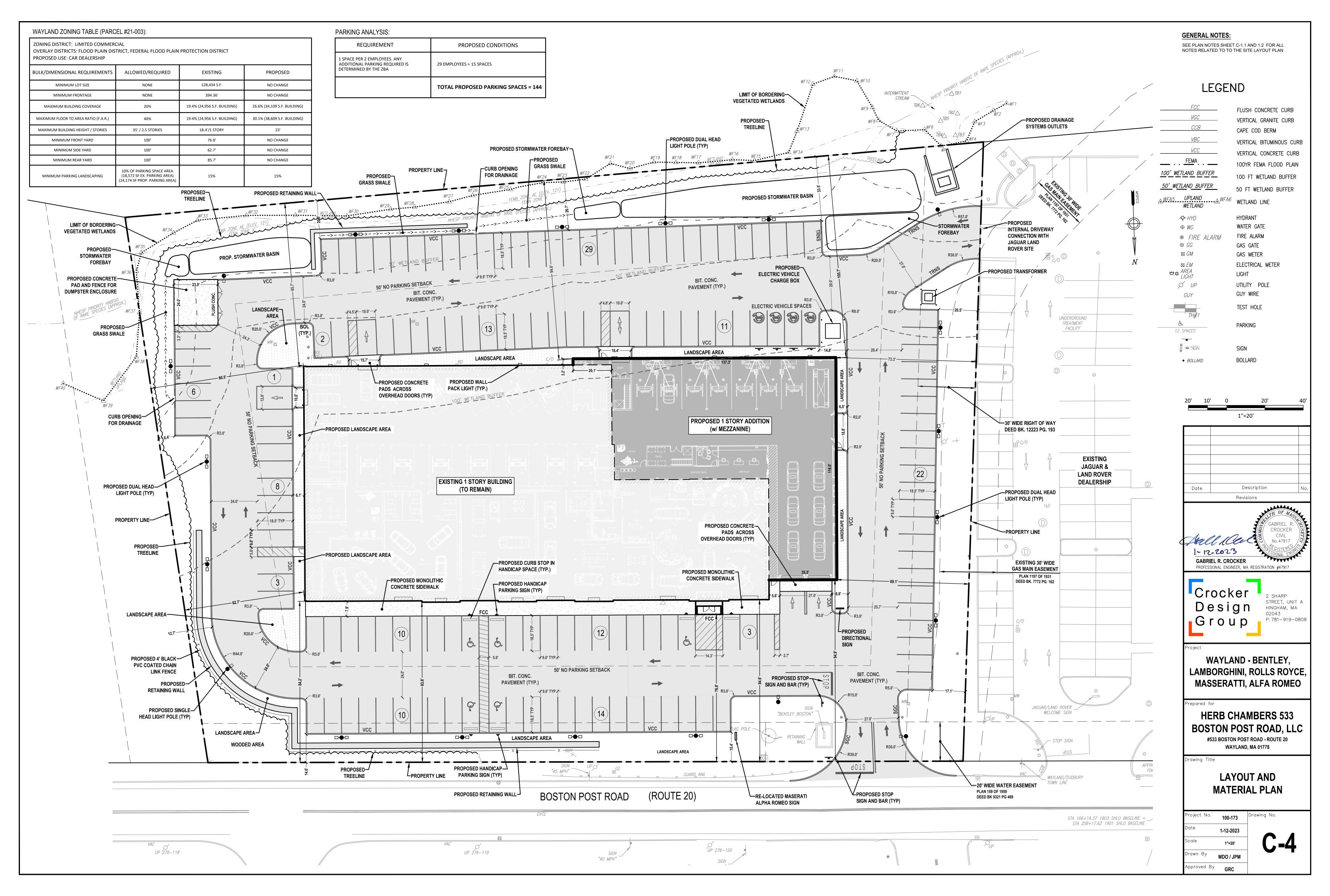
LAMBORGHINI, ROLLS ROYCE, MASSERATTI, ALFA ROMEO

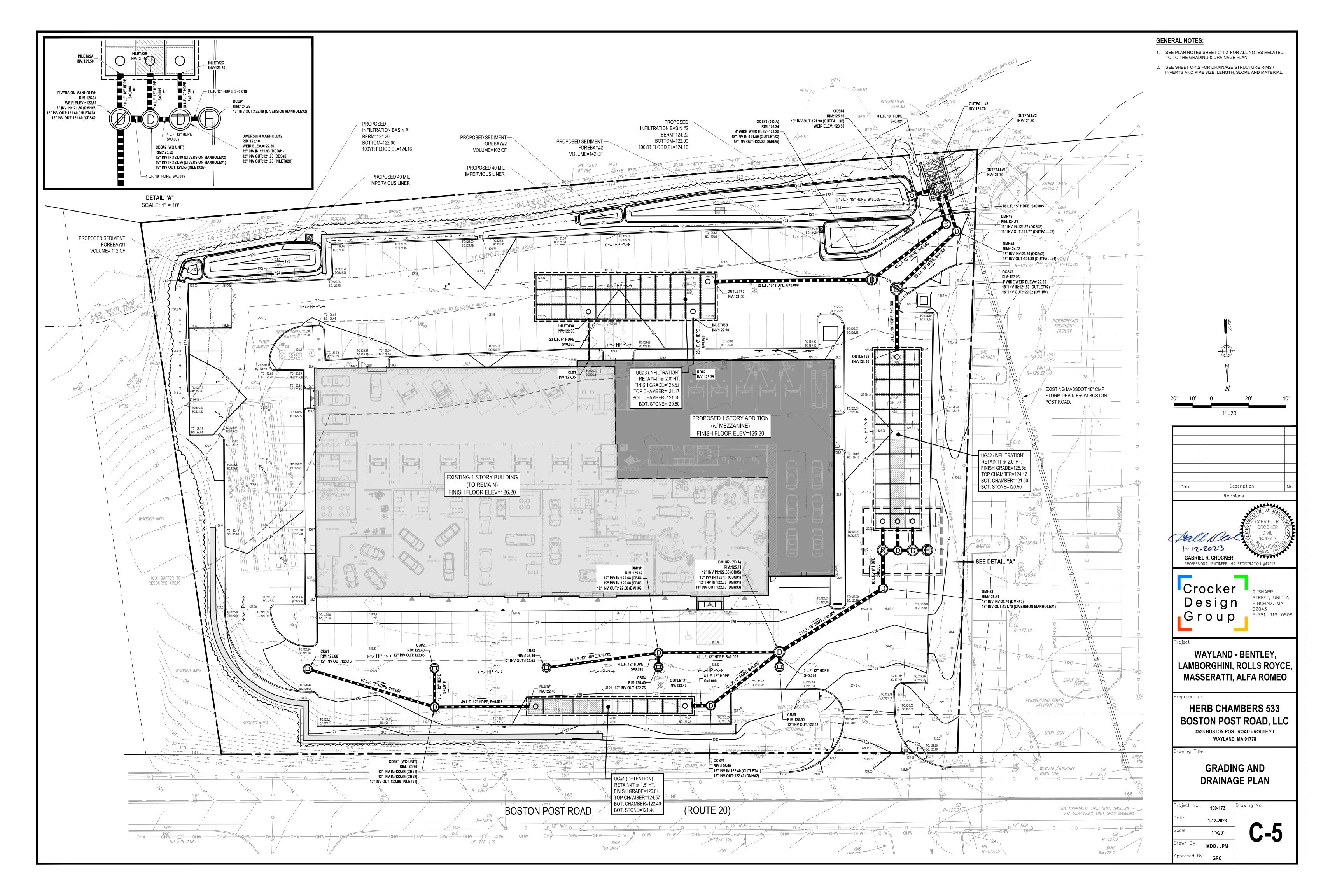
HERB CHAMBERS 533 **BOSTON POST ROAD, LLC** #533 BOSTON POST ROAD - ROUTE 20 WAYLAND, MA 01778

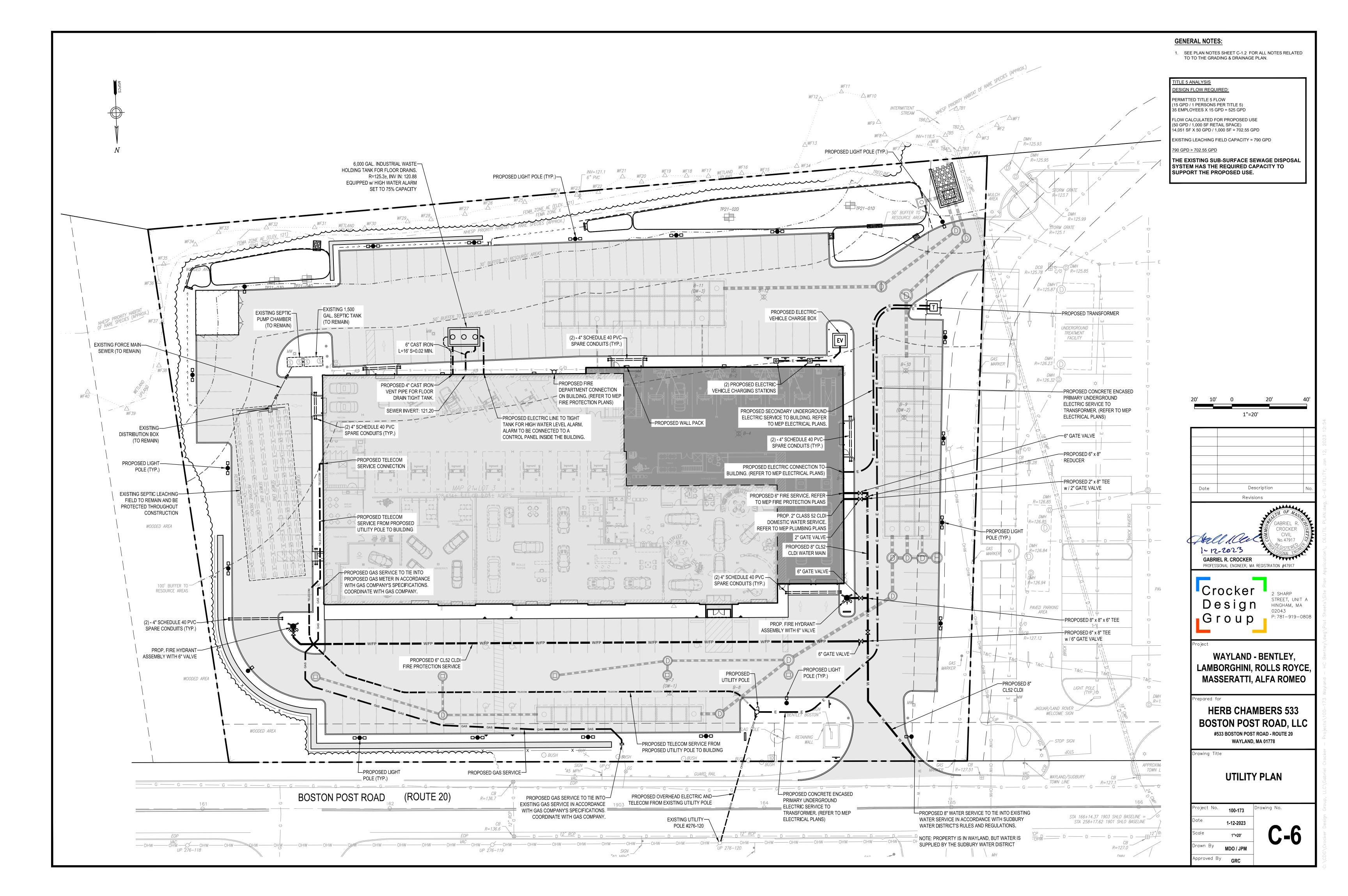
**SOIL EROSION &** SEDIMENT CONTROL **DETAILS** 

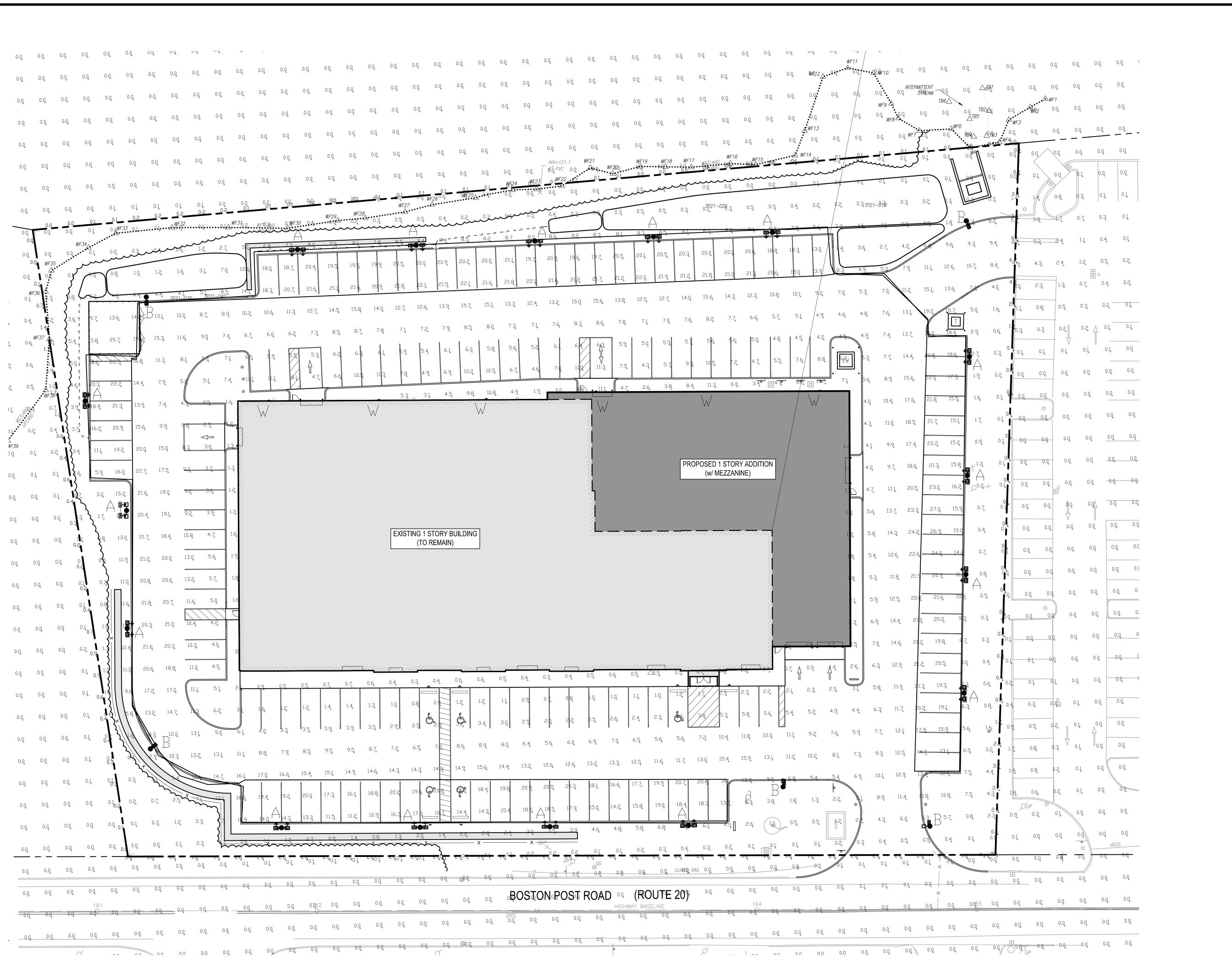
1-12-2023 1"=20' )rawn By MDO / JPM

100-173 opproved By GRC









GENERAL NOTE: SEE PLAN NOTES SHEET C-1 FOR ALL NOTES RELATED

1"=20'

Description





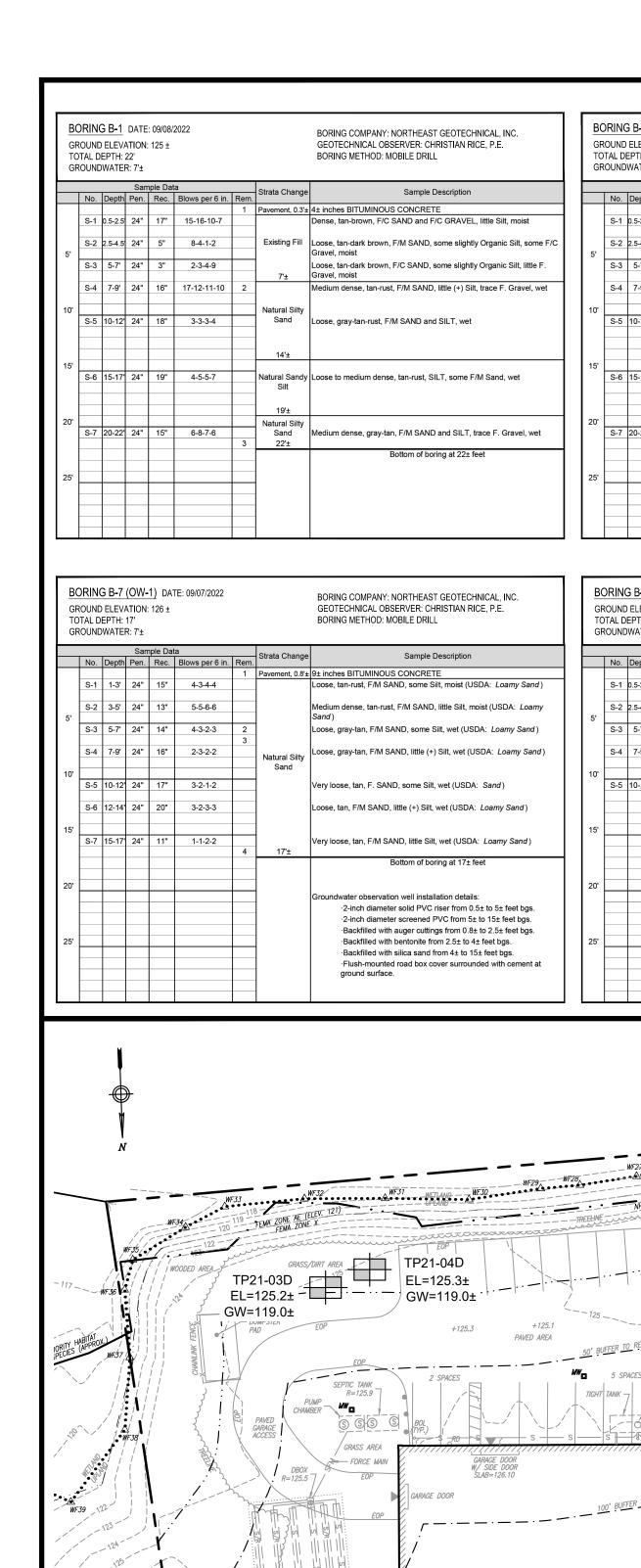
**WAYLAND - BENTLEY,** LAMBORGHINI, ROLLS ROYCE, MASSERATTI, ALFA ROMEO

**HERB CHAMBERS 533 BOSTON POST ROAD, LLC** #533 BOSTON POST ROAD - ROUTE 20

WAYLAND, MA 01778

LIGHTING PLAN

Drawing No. 100-173 1-12-2023 1"=20' Drawn By MDO/JPM



| DE | B-2<br>ELEVA<br>EPTH: 2<br>WATER | TION:<br>22' |          | 2022            |          |               | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC.<br>GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.<br>BORING METHOD: MOBILE DRILL | G<br>T   | ROUNI<br>OTAL D |         | ATION:<br>22' | : 09/08/;<br>124.5 ± |                 |                |                            | BORING COMPANY: NORTHEAST GEOTEC<br>GEOTECHNICAL OBSERVER: CHRISTIAN I<br>BORING METHOD: MOBILE DRILL |
|----|----------------------------------|--------------|----------|-----------------|----------|---------------|--|----------|-----------------|---------|---------------|----------------------|-----------------|----------------|----------------------------|---|
|    |                                  |              | nple Da  |                 | Ι        | Strata Change | Sample Description   |          | T               | 1       |               | nple Dat             |                 | Ι              | Strata Change              | Sample Description  |
| ). | Depth                            | Pen.         | Rec.     | Blows per 6 in. | Rem.     | Devemont 0.31 | 3.5± inches BITUMINOUS CONCRETE  | <b> </b> | No.             | Depth   | Pen.          | Rec.                 | Blows per 6 in. | Rem.           | Devemont 0.31              | 3± inches BITUMINOUS CONCRETE   |
| 1  | 0.5-2.5                          | 24"          | 10"      | 4-4-4-2         | 2        |               | Loose, light brown, F/C SAND and F/C GRAVEL, trace (+) Silt, moist   | 1 1      | 9.1             | 0.5-2.5 | 24"           | 12"                  | 8-11-10-8       | <del>  '</del> | Pavement, 0.3 ±            |   |
| •  | 0.5-2.5                          | 24           | 10       | 4-4-4-2         | -        | 2.5'±         | Loose, light blown, 170 3AND and 170 GIVAVEE, trace (+) 3lit, hoist  |          | 3-1             | 0.3-2.3 | 24            | 12                   | 0-11-10-0       |                | Existing Fill              | Medium dense, tan-brown, F/C SAND and F/  |
| 2  | 2.5-4.5                          | 24"          | 19"      | 2-1-1-2         |          | 2.01          | Very loose, tan-rust, SILT, some F. Sand, moist  | 1        | S-2             | 2.5-4.5 | 24"           | 4"                   | 5-4-1-1         | 2              |                            | Loose, tan-brown, F/C SAND and F. GRAVE   |
| -  |                                  |              |          |                 |          | Natural Silt  | 1  | 5'       |                 |         |               |                      |                 |                | 5'±                        |   |
| 3  | 5-7'                             | 24"          | 6"       | 2-5-9-8         |          | i             | Medium dense, gray-tan, SILT, trace F. Sand, moist   |          | S-3             | 5-7'    | 24"           | 19"                  | 2-3-5-6         |                |                            | Loose, gray-tan-rust, SILT and F/M SAND, tr   |
|    |                                  |              |          |                 |          | 7'±           |  |          |                 |         |               |                      |                 |                | Natural Sandy              |   |
| 4  | 7-9'                             | 24"          | 18"      | 8-10-12-9       | 3        | Natural Silty | Medium dense, gray-tan-rust, F/M SAND, some Silt, wet  | 1        | S-4             | 7-9'    | 24"           | 16"                  | 9-7-8-5         |                | Silt                       | Medium dense, gray-tan-rust, SILT, little F. S  |
|    |                                  |              |          |                 |          | Sand          |  |          |                 |         |               |                      |                 |                |                            |   |
|    |                                  |              |          |                 |          | 10'±          |  | 10'      |                 |         |               |                      |                 |                | 10'±                       |   |
| 5  | 10-12'                           | 24"          | 18"      | 3-4-4-4         |          |               | Loose, tan, SILT, trace F. Sand, wet   |          | S-5             | 10-12   | 24"           | 16"                  | 3-3-4-5         |                | Natural Silt               | Loose, gray-tan, SILT, trace F. Sand, wet   |
|    |                                  |              |          |                 |          | Natural Silt  |  |          |                 |         |               |                      |                 | 3              |                            |   |
|    |                                  |              |          |                 |          |               |  |          |                 |         |               |                      |                 |                | 13'±                       |   |
|    |                                  |              |          |                 |          | 14'±          |  | l I      |                 |         |               |                      |                 |                | Natural Silty              |   |
| _  |                                  |              |          |                 |          |               | L  | 15'      | <u></u>         |         |               |                      |                 |                | Sand                       | l <u></u>   |
| 6  | 15-17'                           | 24"          | 20"      | 5-5-6-7         |          |               | Medium dense, tan, F/M SAND, some Silt, wet  |          |                 | 15-16.5 |               | 14"                  | 3-4-6           |                | 16.5'±                     | Loose to medium dense, tan, F/M SAND, little  |
| _  |                                  |              |          |                 |          | Natural Silty |  |          | S-6B            | 16.5-17 | 6"            | 4"                   | 9               |                | 1                          | Gray-tan, F/C SAND and F/C GRAVEL, some   |
| _  |                                  |              |          |                 |          | Sand          |  |          |                 |         |               |                      |                 |                | Natural Silty<br>Sand with |   |
| _  |                                  |              |          |                 |          | -             |  | 20'      | -               | _       |               |                      |                 |                | Gravel                     |   |
| 7  | 20-22'                           | 24"          | 15"      | 8-9-8-7         |          | 1             | <br>  Medium dense, tan, F/C SAND and SILT, little F. Gravel, wet  | 20       | 9.7             | 20-22   | 24"           | 10"                  | 5-6-10-8        |                | 1                          | <br> Medium dense, gray-brown, F/C SAND and \$  |
| _  | 20-22                            |              | 10       | 0-3-0-7         | 4        | 22'±          | intedian dense, tan, 170 oalvo and oich, illie 1. Gravel, wet  |          |                 | 20-22   | 27            | 10                   | 3-0-10-0        | 4              | 22'±                       | intediam dense, gray-brown, 170 oznab and c   |
|    |                                  |              |          |                 | <u> </u> |               | Bottom of boring at 22± feet   | 1        |                 |         |               |                      |                 | <u> </u>       |                            | Bottom of boring at 22  |
|    |                                  |              |          |                 |          |               |  |          |                 |         |               |                      |                 |                |                            |   |
|    |                                  |              |          |                 |          | 1             |  | 25'      |                 |         |               |                      |                 |                | 1                          |   |
|    |                                  |              |          |                 |          | 1             |  |          |                 |         |               |                      |                 |                | 1                          |   |
|    |                                  |              |          |                 |          |               |  |          |                 |         |               |                      |                 |                |                            |   |
|    |                                  |              |          |                 |          |               |  |          |                 |         |               |                      |                 |                |                            |   |
|    |                                  |              |          |                 |          |               |  |          |                 |         |               |                      |                 |                |                            |   |
|    |                                  |              |          |                 |          |               |  | 」<br>└   |                 |         |               |                      |                 |                |                            |   |
|    |                                  |              |          |                 |          |               |  |          |                 |         |               |                      |                 |                |                            |   |
|    |                                  |              | : 09/07/ | 2022            |          |               | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC.   | I I -    |                 |         | ,             | ,                    | TE: 09/07/2022  |                |                            | BORING COMPANY: NORTHEAST GEOTE   |
| ٧D | ELEV/                            | ATION:       | : 126 ±  |                 |          |               | GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.  | ı ı G    | KUUNI           | D ELEV  | AHON          | : 124.5 :            | t .             |                |                            | GEOTECHNICAL OBSERVER: CHRISTIAN  |

| GEOTECHNICAL, INC.<br>ISTIAN RICE, P.E. | GR<br>TO | OUND<br>TAL DI | B-4<br>ELEVA<br>EPTH: :<br>WATER | ATION:<br>22' | : 09/09/<br>125 ± | 2022            |      |                                      | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC.<br>GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.<br>BORING METHOD: MOBILE DRILL |
|---|----------|----------------|----------------------------------|---------------|-------------------|-----------------|------|--------------------------------------|--|
| Description                             |          | No.            | Depth                            |               | nple Da           | Blows per 6 in. | Rem. | Strata Change                        | Sample Description   |
| E                                       |          | 140.           | Берит                            | 1 011.        | 1100.             | Blows per o in. | 1    | Pavement, 0.3'±                      | 4± inches BITUMINOUS CONCRETE  |
| D and F/C GRAVEL, little Silt, moist    |          | S-1            | 0.5-2.5                          | 24"           | 8"                | 11-11-7-9       |      | ·                                    | Medium dense, brown, F/C SAND, some F/C Gravel, little (+) Silt, moist   |
| GRAVEL, little Silt, wet                |          | S-2A           | 2.5-3.5                          | 12"           | 12"               | 5-4             |      | 3.5'±                                | Brown, F/C SAND, some F/C Gravel, little (+) Silt, moist   |
|   | 5'       | S-2B           | 3.5-4.5                          | 12"           | 4"                | 1-1             |      | Natural Sandy                        | Light brown, SILT and F/M SAND, moist  |
| SAND, trace F. Gravel, wet              |          | S-3            | 5-7'                             | 24"           | 10"               | 2-2-5-4         |      | Silt                                 | Loose, gray-tan-rust, SILT, trace F/M Sand, moist  |
|   |          |                |                                  |               |                   |                 | 2    | 7'±                                  |  |
| ittle F. Sand, wet                      |          | S-4            | 7-9'                             | 24"           | 5"                | 7-10-14-12      |      |                                      | Medium dense, gray-tan, F/C GRAVEL, some Silt, some F/C Sand, wet  |
|   | l        |                |                                  |               |                   |                 |      |                                      |  |
|   | 10'      |                | 40.40                            | 0.411         | 40"               | 0.40.07.00      | _    |                                      | F (2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2   |
| , wet                                   | 1        | S-5            | 10-12'                           | 24"           | 16"               | 6-10-37-20      | 3    |                                      | Dense, gray-tan-brown, F/C SAND, some (+) Silt, little F/C Gravel, wet   |
| AND, little Silt, wet                   | 15'      | S-6            | 15-17'                           | 24"           | 18"               | 9-8-8-12        |      | Natural Silty<br>Sand with<br>Gravel | Medium dense, tan-rust, F/C SAND and SILT, little F/C Gravel, wet  |
| EL, some Silt, wet                      | 1        |                |                                  |               |                   |                 |      | 1                                    |  |
| ND and SILT, little F/C Gravel, wet     | 20'      | S-7            | 20-22'                           | 24"           | 8"                | 7-15-15-15      | 4    | 22'±                                 | Dense, tan, F/C SAND, some (-) Silt, little F/C Gravel, wet  |
| ing at 22± feet                         | 1        | -              |                                  |               |                   |                 |      | 22.1                                 | Bottom of boring at 22± feet   |
|   |          |                |                                  |               |                   |                 |      |                                      | 5010111 01 201111g ut 222 1001   |
|   | 25'      |                |                                  |               |                   |                 |      |                                      |  |
|   |          |                |                                  |               |                   |                 |      | 1                                    |  |
|   |          |                |                                  |               |                   |                 |      |                                      |  |
|   |          |                |                                  |               |                   |                 |      |                                      |  |
|   |          |                |                                  |               |                   |                 |      |                                      |  |
|   |          |                |                                  |               |                   |                 |      |                                      |  |
|   |          |                |                                  |               |                   |                 |      |                                      |  |
|   |          |                |                                  |               |                   |                 |      |                                      |  |
|   |          |                |                                  |               |                   |                 |      |                                      |  |

| 09/09/2<br>25 ± | 2022            |     |                  | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC.<br>GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.<br>BORING METHOD: MOBILE DRILL | G<br>T | ORING<br>ROUNE<br>OTAL D<br>ROUNE | ELEVA   | ATION:<br>22' |         | 2022                  |     |                            | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC<br>GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.<br>BORING METHOD: MOBILE DRILL |
|-----------------|-----------------|-----|------------------|--|--------|-----------------------------------|---------|---------------|---------|-----------------------|-----|----------------------------|---|
| le Dat          | Blows per 6 in. | Dom | Strata Change    | Sample Description   |        | No                                | Depth   |               | nple Da | ta<br>Blows per 6 in. | Dam | Strata Change              | Sample Description  |
| Nec.            | blows per o in. | 1   | Devement 0.31    | 4± inches BITUMINOUS CONCRETE  |        | INO.                              | Берш    | ren.          | Nec.    | Blows per 6 iii.      | 1   | Devement 0.31              | 4± inches BITUMINOUS CONCRETE   |
| 8"              | 11-11-7-9       |     |                  |  |        | 9.1                               | 0.5-2.5 | 24"           | 19"     | 3-3-3-5               |     | Existing Fill              | Loose, tan, F/M SAND, little F. Gravel, trace Silt, moist   |
| 0               | 11-11-7-9       |     | Existing Fill    | Medium dense, brown, F/C SAND, some F/C Gravel, little (+) Silt, moist   |        |                                   | 2.5-3   |               | 6"      | 2                     |     |                            | Tan-brown-black, F/C SAND, some Silt, some Ash, trace F. Grav   |
| 12"             | 5-4             |     | 3.5'±            | Brown, F/C SAND, some F/C Gravel, little (+) Silt, moist   |        |                                   | 3-4.5'  |               | 17"     | 3-3-8                 |     |                            | Loose, tan-rust, F/M SAND, some Silt, moist   |
| 4"              | 1-1             |     |                  |  | 5'     | 3-2B                              | 3-4.5   | 10            | ''      | 3-3-0                 |     | Natural Silty<br>Sand, 5'± | Loose, tan-rust, F/M SAND, some Siit, moist   |
| 10"             | 2-2-5-4         |     | i ratarar carray | Loose, gray-tan-rust, SILT, trace F/M Sand, moist  | ٥      | -                                 | 5-7'    | 24"           | 45"     | 5-6-6-6               | 2   |                            | Medium dense, tan-rust, F/M SAND, trace Silt, wet   |
| 10              | 2-2-5-4         | 2   | 7'±              | Loose, gray-tan-rust, SiLT, trace F/W Sand, moist  |        | S-3                               | 5-7     | 24            | 15"     | 5-6-6-6               |     | -                          | Imedium dense, tan-rust, F/M SAND, trace Siit, wet  |
| <b></b> "       | 7 40 44 40      |     | / ±              |  |        | -                                 | 7.01    | 04"           | 00"     | 5.5.0.0               |     | -                          | Madisus dans limbthous E/M CAND to a City and   |
| 5"              | 7-10-14-12      |     |                  | Medium dense, gray-tan, F/C GRAVEL, some Silt, some F/C Sand, wet  |        | S-4                               | 7-9'    | 24"           | 20"     | 5-5-8-8               |     | -                          | Medium dense, light brown, F/M SAND, trace Silt, wet  |
|                 |                 |     |                  |  |        | -                                 |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  | 10     |                                   |         |               |         |                       |     | -                          | L   |
| 16"             | 6-10-37-20      | 3   |                  | Dense, gray-tan-brown, F/C SAND, some (+) Silt, little F/C Gravel, wet   |        | S-5                               | 10-12'  | 24"           | 18"     | 2-3-5-6               |     | Natural Sand               | Loose, light brown, F/M SAND, trace Silt, wet   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     | Natural Silty    |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     | Sand with        |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     | Gravel           |  | 15     |                                   |         |               |         |                       |     | ]                          |   |
| 18"             | 9-8-8-12        |     |                  | Medium dense, tan-rust, F/C SAND and SILT, little F/C Gravel, wet  |        | S-6                               | 15-17'  | 24"           | 20"     | 4-4-6-7               |     |                            | Loose to medium dense, light brown, F/M SAND, trace Sill  |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       | 3   | 18'±                       |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  | 20     |                                   |         |               |         |                       |     | Natural Silty<br>Sand      |   |
| 8"              | 7-15-15-15      |     |                  | Dense, tan, F/C SAND, some (-) Silt, little F/C Gravel, wet  |        | S-7                               | 20-22'  | 24"           | 12"     | 7-12-12-10            |     | Sand                       | Medium dense, gray, F/C SAND and SILT, wet  |
|                 |                 | 4   | 22'±             |  |        |                                   |         |               |         |                       | 4   | 22'±                       | ,   |
|                 |                 |     |                  | Bottom of boring at 22± feet   |        |                                   |         |               |         |                       |     |                            | Bottom of boring at 22± feet  |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  | 25     |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     | 1                          |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     | -                          |   |
|                 |                 |     |                  |  |        | -                                 |         |               |         |                       |     | -                          |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     | -                          |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |
|                 |                 |     |                  |  |        |                                   |         |               |         |                       |     |                            |   |

| INC.        |   | GF<br>TO | ORING<br>ROUND<br>TAL DI<br>ROUND | ELEV/   | ATION:<br>31' |         | 2022            |      |                                       | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC.<br>GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.<br>BORING METHOD: MOBILE DRILL |
|-------------|---|----------|-----------------------------------|---------|---------------|---------|-----------------|------|---------------------------------------|--|
|             |   |          | No.                               | Depth   |               | ple Dat | Blows per 6 in. | Rem. | Strata Change                         | Sample Description   |
|             | 1 |          |                                   | Борин   |               | 11001   | Diene per e un  | 1    | Pavement, 0.3'±                       | 4± inches BITUMINOUS CONCRETE  |
|             |   |          | S-1A                              | 0.5-1.3 | 9"            | 9"      | 8-4             |      | Existing Fill, 1.3'±                  | Gray-brown, F/C SAND, some F/C Gravel, little (-) Silt, moist  |
| avel, moist |   |          |                                   | 1.3-2.5 |               | 6"      | 3-2             |      |                                       | Tan, SILT, little F/M Sand, moist  |
|             |   |          | S-2                               | 2.5-4.5 | 24"           | 17"     | 3-3-3-5         | 2    | 1                                     | Loose, tan-rust, F/M SAND and SILT, moist  |
|             |   | 5'       | S-3                               | 4.5-6'  | 18"           | 16"     | 7-7-7           |      | 1                                     | Medium dense, tan-rust, SILT, some F. Sand   |
|             |   |          | S-4                               | 6-8'    | 24"           | 14"     | 5-4-4-4         |      |                                       | Loose, gray-tan-rust, F. SAND and SILT   |
|             |   | 10'      | S-5                               | 9-11'   | 24"           | 15"     | 3-3-3-3         |      | Natural Silty<br>Sand & Sandy<br>Silt | Loose, tan-rust, F. SAND and SILT  |
| Silt, wet   |   | 15'      | S-6                               | 14-16'  | 24"           | 13"     | 2-2-3-6         |      | 18'±                                  | Loose, gray-tan, F/M SAND, little Silt   |
|             |   | 20'      | S-7                               | 19-21'  | 24"           | 24"     | 1-3-2-3         |      |                                       | Loose, light brown, F/M SAND, trace Silt   |
|             |   |          |                                   |         |               |         |                 |      | Natural Sand                          |  |
|             |   | 25'      | S-8                               | 24-26'  | 24"           | 19"     | 1-1-1-2         |      |                                       | Very loose, light brown, F/M SAND, trace Silt  |
|             |   |          |                                   |         |               |         |                 |      | 28'±                                  |  |
|             |   |          |                                   |         |               |         |                 | 3    | Nat'l Silty Sand                      |  |
|             |   |          | S-9                               | 29-31'  | 24"           | 8"      | 8-8-7-8         | 4    | w/ Gravel, 31'±                       | Medium dense, gray-brown, F/C SAND, little Silt, little F. Gravel  |

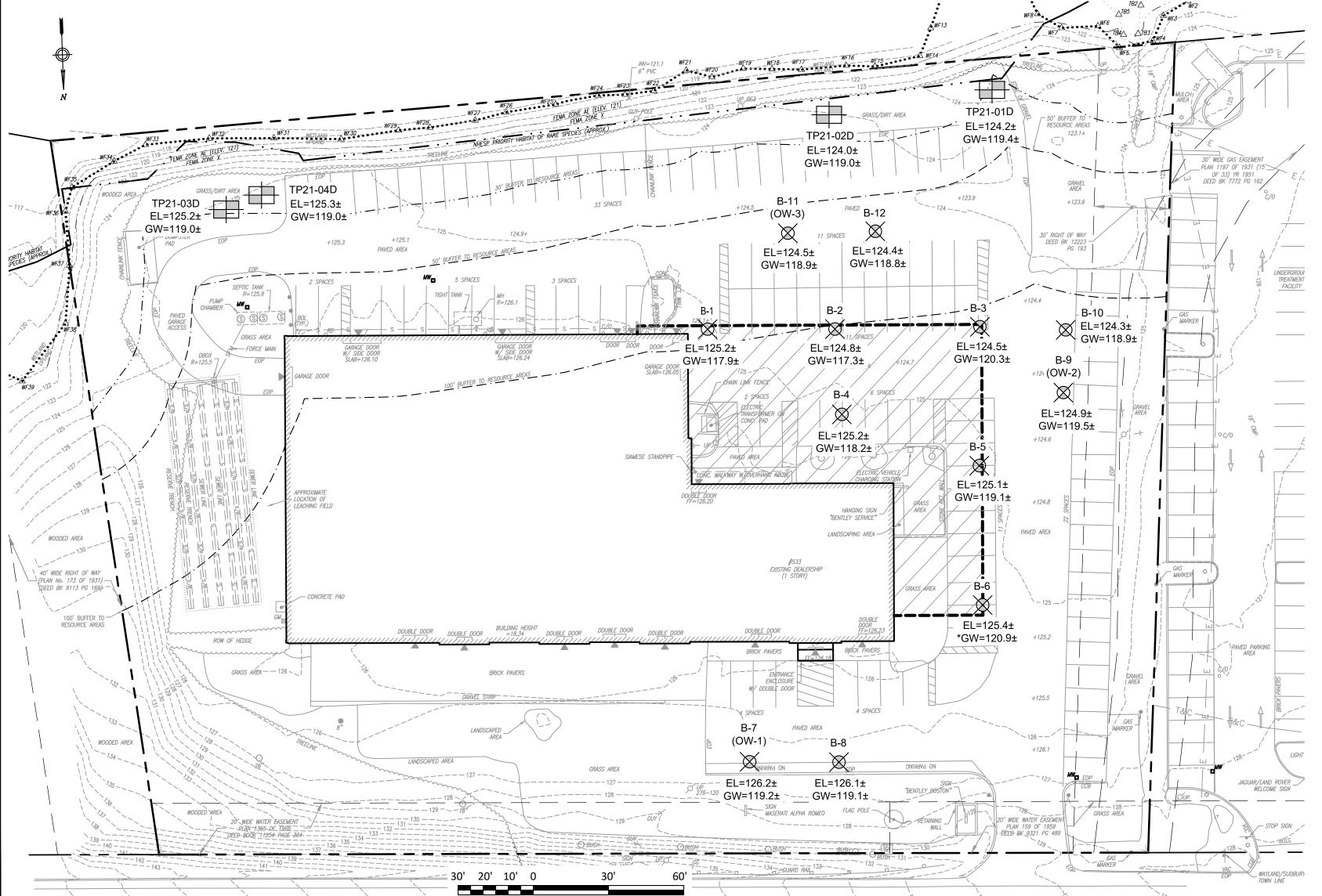
|     | OUND | EPTH:<br>WATE | 12'  | 126 ±   |                 |      |                       | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC. GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E. BORING METHOD: MOBILE DRILL |
|-----|------|---------------|------|---------|-----------------|------|-----------------------|--|
|     |      |               | San  | nple Da | ta              |      | Strata Change         | Sample Description   |
|     | No.  | Depth         | Pen. | Rec.    | Blows per 6 in. | Rem. |                       | 100000 P000 00 P000 00   |
|     |      |               |      |         |                 | 1    | Pavement, 0.5'±       | 6± inches BITUMINOUS CONCRETE  |
|     | S-1  | 0.5-2.5       | 24"  | 18"     | 2-2-4-6         |      | Natural Silt          | Loose, gray-tan-rust, SILT, trace F/M Sand, moist (USDA: Loam)   |
| 5'  | S-2  | 2.5-4.5       | 24"  | 17"     | 6-6-7-8         |      | 5'±                   | Medium dense, tan-rust, SILT, trace (+) F/M Sand, moist (USDA: Loan  |
|     | S-3  | 5-7'          | 24"  | 13"     | 3-6-5-7         | 2    |                       | Medium dense, tan-rust, F/M SAND, some Silt, wet, mottling throughou sample (USDA: Loamy Sand)                       |
|     | S-4  | 7-9'          | 24"  | 20"     | 5-4-6-5         |      | Natural Silty<br>Sand | Loose to medium dense, tan-rust, F/M SAND and SILT, wet, mottling throughout sample (USDA: Sandy Loam)               |
| 10' |      |               |      |         |                 |      | 1                     |  |
|     | S-5  | 10-12'        | 24"  | 17"     | 2-3-2-3         |      | ]                     | Loose, gray-tan-rust, F. SAND, some Silt, wet (USDA: Sand)   |
|     |      |               |      |         |                 | 3    | 12'±                  |  |
|     |      |               |      |         |                 |      |                       | Bottom of boring at 12± feet   |
| 15' |      |               |      |         |                 |      |                       |  |
| 15  |      |               |      |         |                 |      | -                     |  |
|     |      |               |      |         |                 |      |                       |  |
|     |      |               |      |         |                 |      |                       |  |
|     |      |               |      |         |                 |      |                       |  |
| 20' |      |               |      |         |                 |      | -                     |  |
|     |      |               |      |         |                 |      |                       |  |
|     |      |               |      |         |                 |      |                       |  |
|     |      |               |      |         |                 |      |                       |  |
| 25' |      |               |      |         |                 |      | ]                     |  |

|     |     | GR<br>TO | OUND |         | ATION:<br>17' | 124.5 :  | TE: 09/07/2022  |      |                            | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC.<br>GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.<br>BORING METHOD: MOBILE DRILL  |
|-----|-----|----------|------|---------|---------------|----------|-----------------|------|----------------------------|---|
|     | 1   |          |      |         | Sam           | nple Dat | a               |      | a a.                       | 0 1 5 1 5   |
|     | ı   |          | No.  | Depth   | Pen.          | Rec.     | Blows per 6 in. | Rem. | Strata Change              | Sample Description  |
|     | 1   |          |      |         |               |          | ·               | 1    | Pavement, 0.5'±            | 6± inches BITUMINOUS CONCRETE   |
|     | - 1 |          | S-1  | 0.5-2.5 | 24"           | 10"      | 5-6-12-6        |      | Existing Fill              | M. dense, tan, F/M SAND and F/C GRAVEL, trace (+) Silt (UDSA: Very Gravelly Loamy San   |
|     | - 1 |          | S-2A | 2.5-3'  | 6"            | 6"       | 3               |      | 3'±                        | Tan-brown, F/C SAND and F/C GRAVEL, little Silt (USDA: Very Gravelly Loamy S  |
| am) |     | 5'       | S-2B | 3-4.5'  | 18"           | 9"       | 1-1-1           |      | Organic Sandy<br>Silt, 5'± | Very loose, dark brown, Organic SILT, little F/M Sand, moist (USDA:<br>Organic Sandy Loam)  |
| ut  |     |          | S-3  | 5-7'    | 24"           | 18"      | 2-4-4-4         | 2,3  | Natural Silty<br>Sand      | Loose, tan-rust, F/M SAND, some Silt, moist to wet, mottling at top of recovered sample (USDA: Loamy Sand)  |
|     | - 1 |          | S-4A | 7-8'    | 12"           | 12"      | 3-6             |      | 8'±                        | Tan-light brown, F/M SAND, little Silt, wet (USDA: Loamy Sand)  |
|     | - 1 |          | S-4B | 8-9'    | 12"           | 12"      | 6-6             |      | Nat'l Sandy Silt           | Tan, SILT, little F/M Sand, trace F. Gravel wet (USDA: Silt Loam)   |
|     | - 1 | 10'      |      |         |               |          |                 |      | 10'±                       |   |
|     |     |          | S-5  | 10-12'  | 24"           | 19"      | 7-11-14-12      |      |                            | Medium dense, tan-brown, F/C SAND, some (+) Silt, little F. Gravel, we (USDA: Gravelly Loamy Sand)  |
|     |     |          | S-6  | 12-14'  | 24"           | 18"      | 5-14-17-17      |      | Natural Sand<br>and Silt   | Dense, tan-brown, F/C SAND, some (+) Silt, little F. Gravel, wet (USDA Gravelly Loamy Sand)   |
|     |     | 15'      | S-7  | 15-17'  | 24"           | 18"      | 7-11-10-14      |      |                            | Medium dense, gray-tan-brown, SILT and F/M SAND, wet (USDA:   |
|     | - 1 |          |      |         |               |          |                 | 4    | 17'±                       | Loam)   |
|     |     |          |      |         |               |          |                 |      |                            | Bottom of boring at 17± feet  |
|     |     | 20'      |      |         |               |          |                 |      |                            | Groundwater observation well installation details:  -2-inch diameter solid PVC riser from 0.5± to 5± feet bgs2-inch diameter screened PVC from 5± to 15± feet bgsBackfilled with auger cuttings from 0.8± to 2.5± feet bgsBackfilled with bentonite from 2.5± to 4± feet bgs. |
|     |     | _5       |      |         |               |          |                 |      |                            | Backfilled with silica sand from 4± to 15± feet bgs.     Flush-mounted road box cover surrounded with cement at ground surface.   |

|                  |   | GR<br>TO | OUND       |                | -<br>ATION:<br>12' | E: 09/0<br>: 124.5 : |                         |      |                                      | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC.<br>GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.<br>BORING METHOD: MOBILE DRILL  |
|------------------|---|----------|------------|----------------|--------------------|----------------------|-------------------------|------|--------------------------------------|---|
|                  | l |          | No.        | Depth          |                    | nple Dat             | Blows per 6 in.         | Rem. | Strata Change                        | Sample Description  |
|                  | l |          |            |                |                    | . 1001               | Diene per e un          | 1    | Pavement, 0.3'±                      | 3± inches BITUMINOUS CONCRETE   |
| Sand)<br>my Sand |   |          | S-1<br>S-2 | 0.5-2'<br>2-4' | 18"<br>24"         | 13"<br>2"            | 6-8-14-50/0"<br>4-2-2-5 | 3    | Existing Fill 4'±                    | M. dense, brown, F/C SAND and F/C GRAVEL, little Silt (USDA: Very Gravelly Loamy Sand) Very loose to loose, brown, F/C GRAVEL and F/C SAND, little (+) Silt (USDA: Extremely Gravelly Loamy Sand) |
| of               |   | 5'       | S-3<br>S-4 | 5-7'<br>7-9'   | 24"                | 0"                   | 7-7-10-12<br>8-10-15-13 |      | Natural Silty<br>Sand with<br>Gravel | Medium dense, No recovery  Medium dense, brown, F/C SAND, little F. Gravel, little Silt, wet (USDA:   |
|                  |   | 10'      |            |                |                    |                      |                         |      | 10'±                                 | Gravelly Loamy Sand )   |
| , wet            |   |          | S-5        | 10-12'         | 24"                | 15"                  | 4-4-6-7                 | 4.5  | Natural Silt<br>12'±                 | Loose to medium dense, tan, SILT, trace F. Sand, wet (USDA: Silt)   |
| SDA:             |   | 15'      |            |                |                    |                      |                         |      |                                      | Bottom of boring at 12± feet  |
|                  |   | 20'      |            |                |                    |                      |                         |      |                                      |   |
|                  |   | 25'      |            |                |                    |                      |                         |      |                                      |   |
|                  |   |          |            |                |                    |                      |                         |      | İ                                    |   |

| 0.  |      | ELEVA<br>EPTH:<br>WATER | 12'  | : 124.5 :<br><del>:</del> | TE: 09/07/2022<br>± |      |                                     | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC. GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E. BORING METHOD: MOBILE DRILL  |
|-----|------|-------------------------|------|---------------------------|---------------------|------|-------------------------------------|---|
|     |      |                         |      | ple Da                    |                     | 1_   | Strata Change                       | Sample Description  |
|     | No.  | Depth                   | Pen. | Rec.                      | Blows per 6 in.     | Rem. |                                     |   |
|     |      |                         | 40"  |                           | 00.04               | 1    |                                     | 4± inches BITUMINOUS CONCRETE   |
|     | S-1  | 0.5-1.5                 | 12"  | 7"                        | 20-24               | 2    | Existing Fill 2.5'±                 | Tan-brown, F/C GRAVEL and F/C SAND, little Silt, moist (USDA: Very Gravelly Loamy Sand)   |
| 5'  | S-2  | 2.5-4.5                 | 24"  | 0"                        | 6-6-4-2             |      | Possible Fill or<br>Nat'l Soil, 5'± | Loose to medium dense, No recovery  |
|     | S-3  | 5-7'                    | 24"  | 12"                       | 1-2-3-9             | 3,4  | Natural Sand                        | Loose, tan-rust, F/C SAND, trace Silt, trace F. Gravel, wet, mottling at to of recovered sample (USDA: Sand)  |
|     | S-4A | 7-8'                    | 12"  | 12"                       | 7-6                 |      | 8'±                                 | Tan, F/C SAND, trace Silt, wet (USDA: Sand)   |
| 10' | S-4B | 8-9'                    | 12"  | 12"                       | 6-6                 |      |                                     | Gray-tan-rust, SILT and F. SAND, wet, mottling throughout sample (USDA: Loamy Sand)   |
|     | S-5  | 10-12'                  | 24"  | 17"                       | 2-3-2-3             |      | Natural Sandy<br>Silt               | Loose, gray-tan-rust, SILT, little F. Sand, wet, mottling throughout sample (USDA: Sandy Loam)  |
|     | S-6  | 12-14'                  | 24"  | 20"                       | 2-2-2-4             |      |                                     | Very loose to loose, gray-tan-rust, SILT, little F. Sand, wet, mottling throughout sample (USDA: Sandy Loam)  |
| 15' |      |                         |      |                           |                     |      | 15'±                                |   |
|     | S-7  | 15-17'                  | 24"  | 23"                       | 1-2-3-7             | 5    | Nat'l Silty Sand<br>17'±            | Loose, gray-tan, F/M SAND, some Silt, wet (USDA: Loamy Sand)  |
|     |      |                         |      |                           |                     |      |                                     | Bottom of boring at 17± feet  |
| 20' |      |                         |      |                           |                     |      | -                                   |   |
|     |      |                         |      |                           |                     |      |                                     | Groundwater observation well installation details:  -2-inch diameter solid PVC riser from 0.5± to 5± feet bgs.  -2-inch diameter screened PVC from 5± to 15± feet bgs.  -Backfilled with auger cuttings from 0.8± to 2.5± feet bgs. |
| 25' |      |                         |      |                           |                     |      |                                     | Backfilled with bentonite from 2.5± to 4± feet bgs.  Backfilled with silica sand from 4± to 15± feet bgs.  Flush-mounted road box cover surrounded with cement at   |

| GF<br>TC | ROUND<br>TAL D | ELEVA<br>EPTH:<br>WATER | -<br>Ation<br>12' |         | 12022           |      |                       | BORING COMPANY: NORTHEAST GEOTECHNICAL, INC.<br>GEOTECHNICAL OBSERVER: CHRISTIAN RICE, P.E.<br>BORING METHOD: MOBILE DRILL |
|----------|----------------|-------------------------|-------------------|---------|-----------------|------|-----------------------|--|
|          |                |                         | San               | nple Da | ta              |      |                       |  |
|          | No.            | Depth                   |                   | Rec.    | Blows per 6 in. | Rem. | Strata Change         | Sample Description   |
|          |                |                         |                   |         |                 | 1    | Pavement, 0.3'±       | 4± inches BITUMINOUS CONCRETE  |
|          | S-1            | 0.5-2.5                 | 24"               | 16"     | 14-12-6-3       |      | Existing Fill         | Medium dense, tan-brown, F/C SAND and F/C GRAVEL, little Silt (USDA: Very Gravelly Loamy Sand)                             |
|          | S-2A           | 2.5-3.5                 | 12"               | 12"     | 1-2             |      | 3.5'±                 | Loam)  |
| 5'       | S-2B           | 3.5-4.5                 | 12"               | 9"      | 1/12"           |      | * 5'±                 | Brown, Organic SILT, trace F. Sand, moist (USDA: Organic Loam)   |
|          | S-3            | 5-7'                    | 24"               | 18"     | 5-5-8-8         | 2    |                       | Medium dense, tan-rust, F/M SAND, trace Silt, trace F. Gravel, wet,  |
|          |                |                         |                   |         |                 |      |                       | mottling near middle of sample (USDA: Sand)  |
|          | S-4            | 7-9'                    | 24"               | 24"     | 9-10-12-12      |      | Natural Silty<br>Sand | Medium dense, tan-brown-rust, F/M SAND, little (+) Silt, wet, mottlin throughout sample (USDA: Loamy Sand)                 |
| 10'      |                |                         |                   |         |                 |      |                       |  |
|          | S-5            | 10-12'                  | 24"               | 19"     | 4-4-4           | 3    | 12'±                  | Loose, tan-rust, F/M SAND, some Silt, wet, mottling throughout sam (USDA: Loamy Sand)                                      |
|          |                |                         |                   |         |                 |      |                       | Bottom of boring at 12± feet   |
| 15'      |                |                         |                   |         |                 |      |                       |  |
|          |                |                         |                   |         |                 |      |                       |  |
| 20'      |                |                         |                   |         |                 |      |                       |  |
|          |                |                         |                   |         |                 |      |                       |  |
|          |                |                         |                   |         |                 |      |                       |  |
| 25'      |                |                         |                   |         |                 |      | -                     |  |
| ı        |                |                         |                   |         |                 |      | 1                     |  |

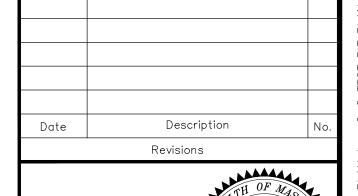


1"=30'



PERFORMED BY: DAVID NEWHALL - CROCKER DESIGN **GROUP DATE: OCTOBER 19, 2022** 

| TP-22-01D                     |               | TP-22-02D                     |               | TP-22-03D                      |               | TP-22-04D                     |               |
|-------------------------------|---------------|-------------------------------|---------------|--------------------------------|---------------|-------------------------------|---------------|
| FILL                          | -EL. = 121.7  | EL. = 124.0  FILL  C1: SAND   | — EL. = 121.5 | EL. = 125.2  FILL              | — EL. = 118.4 | EL. = 125.3  FILL             | – EL. = 119.3 |
| C1: SAND                      |               | C2: LOAM                      | — EL. = 118.1 | C1: L-S<br>C2: LOAM            | — EL. = 116.5 | C1: SAND                      |               |
| DEPTH = 5.8'<br>ESHGW = 119.4 | – EL. = 118.4 | DEPTH = 7.3'<br>ESHGW = 119.0 | — EL. = 116.7 | DEPTH = 10.7'<br>ESHGW = 119.5 | — EL. = 114.5 | DEPTH = 9.6'<br>ESHGW = 119.5 | – EL. = 115.7 |







**WAYLAND - BENTLEY,** 

LAMBORGHINI, ROLLS ROYCE, MASSERATTI, ALFA ROMEO

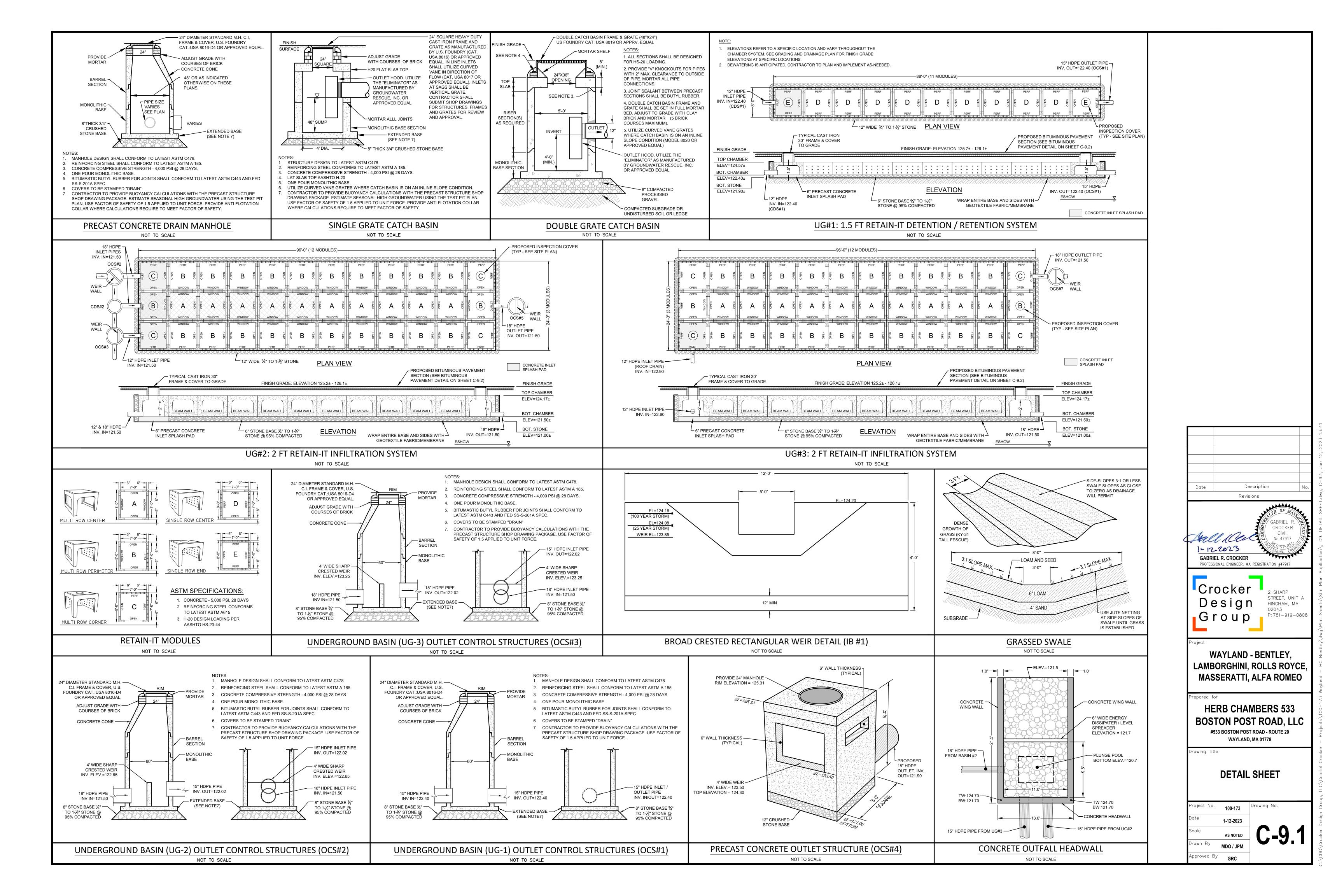
**HERB CHAMBERS 533 BOSTON POST ROAD, LLC** #533 BOSTON POST ROAD - ROUTE 20 WAYLAND, MA 01778

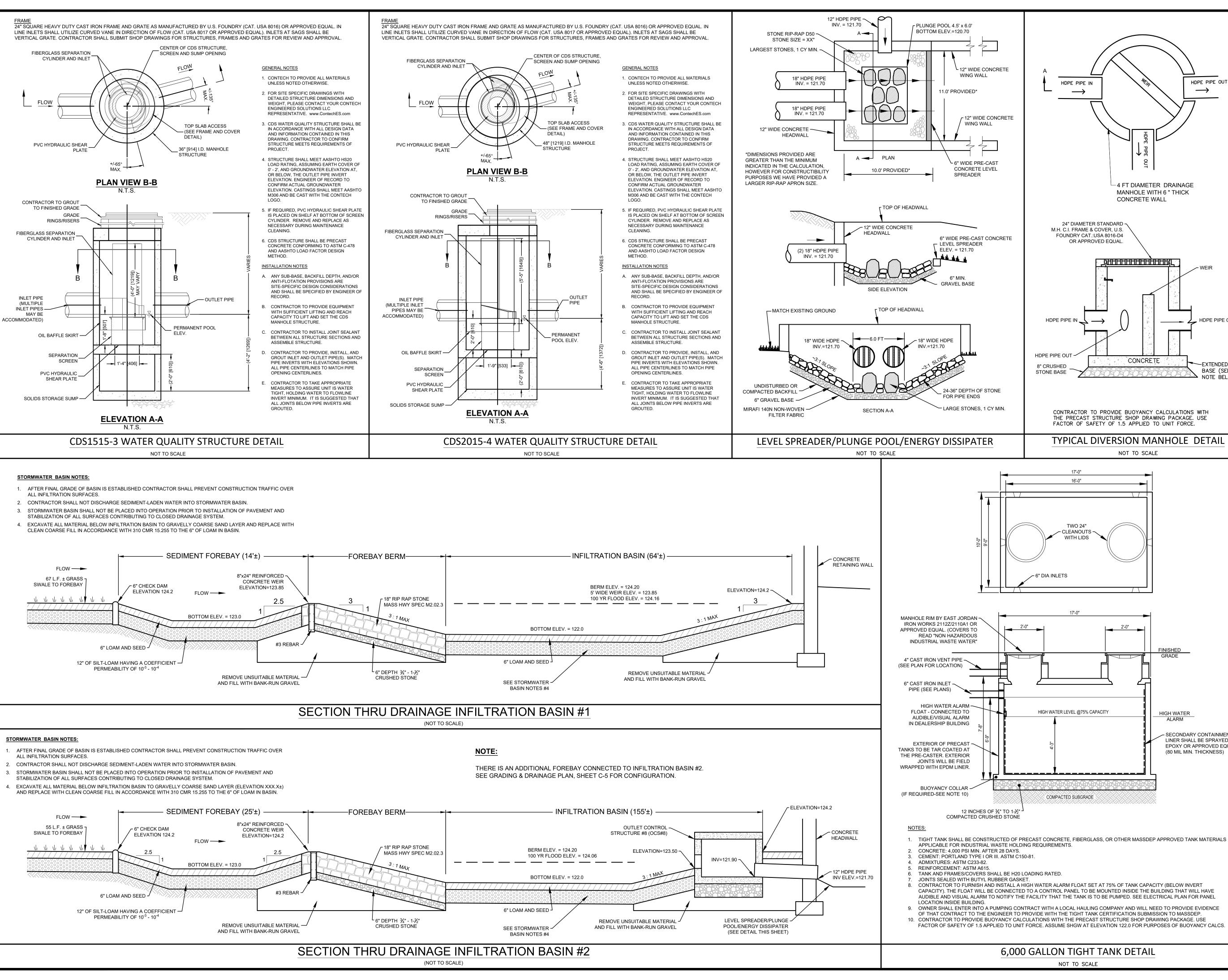
**BORING / TEST PIT PLAN** 

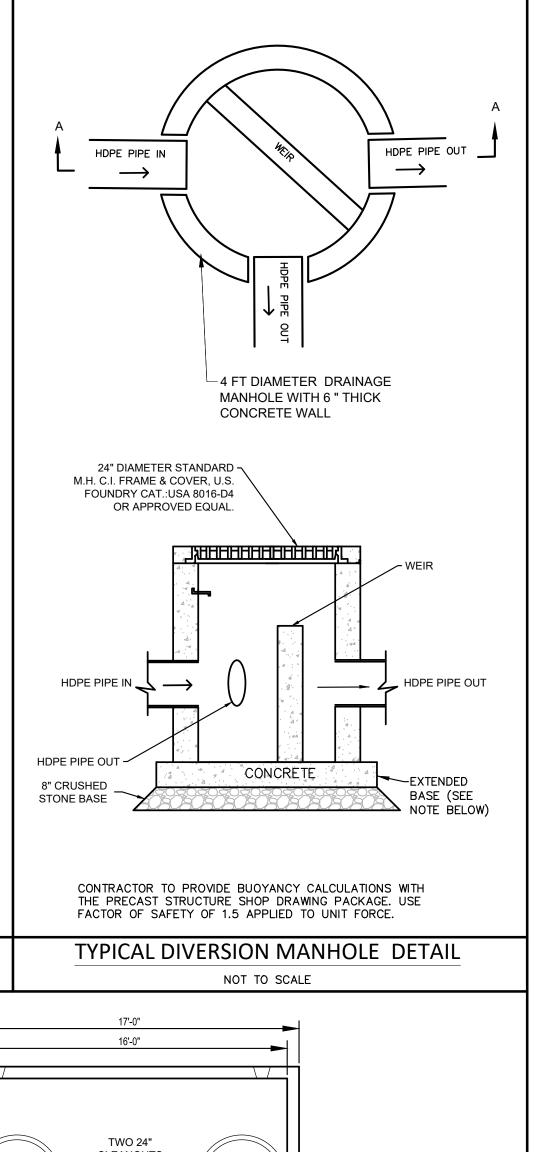
100-173 1-12-2023 1" = 30'

)rawn By MDO / JPM oproved By

**GENERAL NOTE:** SEE PLAN NOTES SHEET C-1 FOR ALL NOTES RELATED TO THIS SHEET.







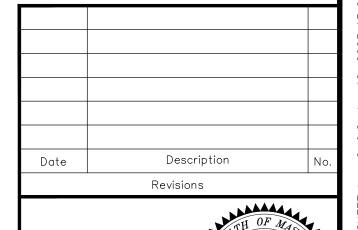
HIGH WATER

SECONDARY CONTAINMENT

LINER SHALL BE SPRAYED ON

EPOXY OR APPROVED EQUAL

(80 MIL MIN. THICKNESS)





STREET, UNIT A HINGHAM, MA 02043 Group P: 781-919-0808

**WAYLAND - BENTLEY,** LAMBORGHINI, ROLLS ROYCE, MASSERATTI, ALFA ROMEO

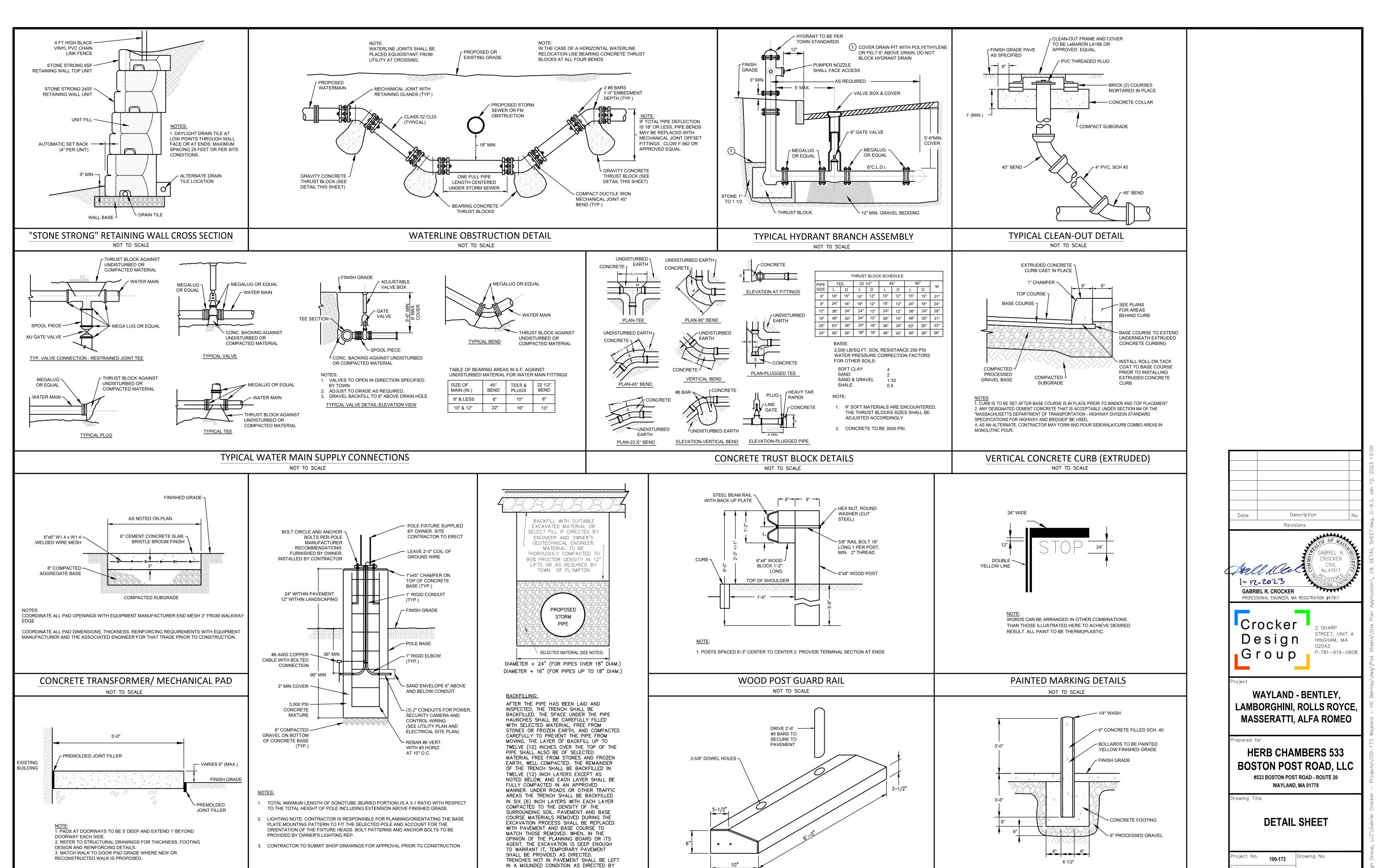
HERB CHAMBERS 533 **BOSTON POST ROAD, LLC** #533 BOSTON POST ROAD - ROUTE 20

proved By

**DETAIL SHEET** 

WAYLAND, MA 01778

100-173



CONCRETE WHEEL STOP FOR HANDICAP PARKING SPACES

NOT TO SCALE

CONCRETE FILLED STEEL BOLLARD

NOT TO SCALE

THE PLANNING BOARD OR ITS AGENT.

STORM PIPE TRENCH

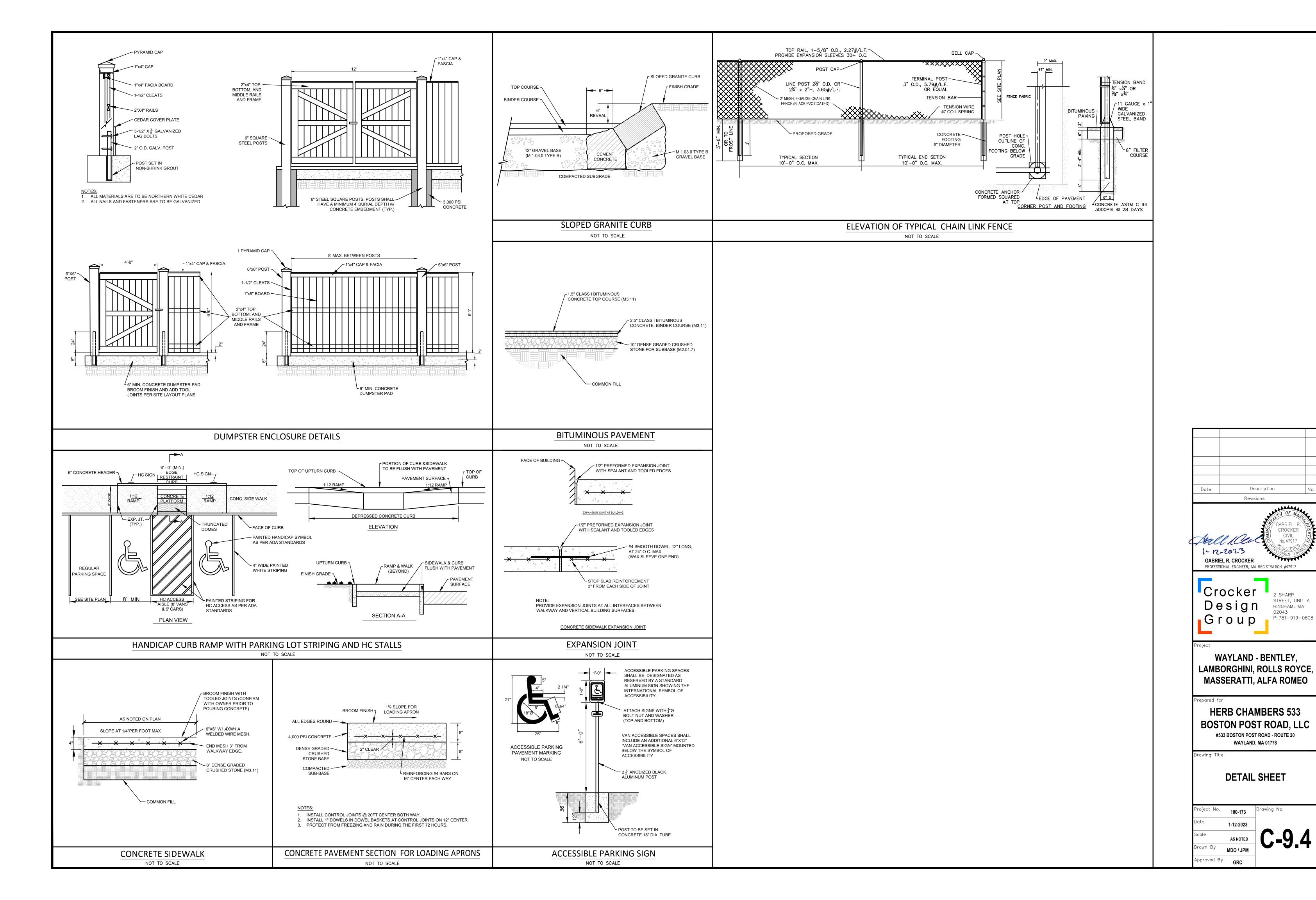
NOT TO SCALE

LIGHT POLE EXPOSED BASE DETAIL

NOT TO SCALE

DOOR PAD

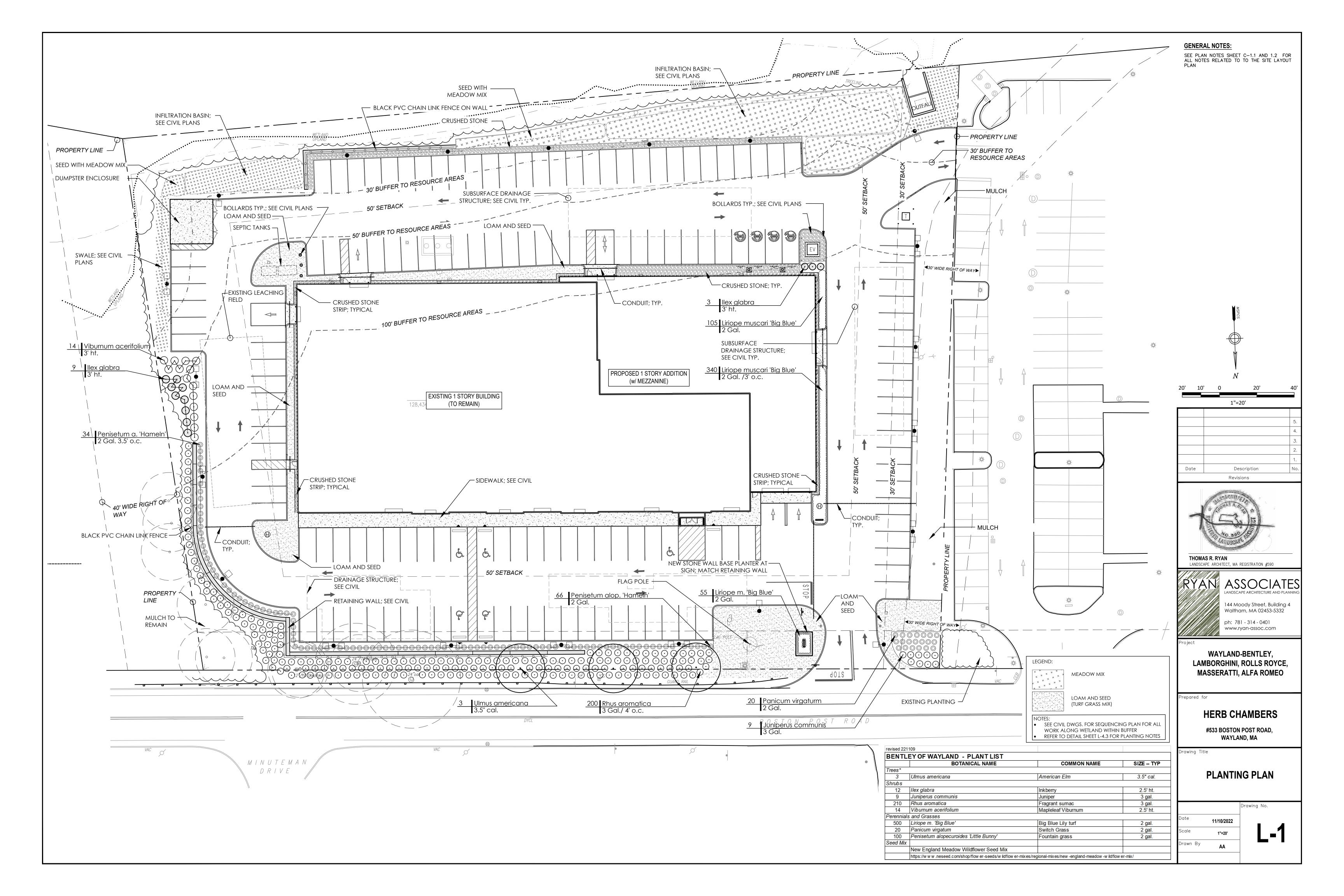
NOT TO SCALE

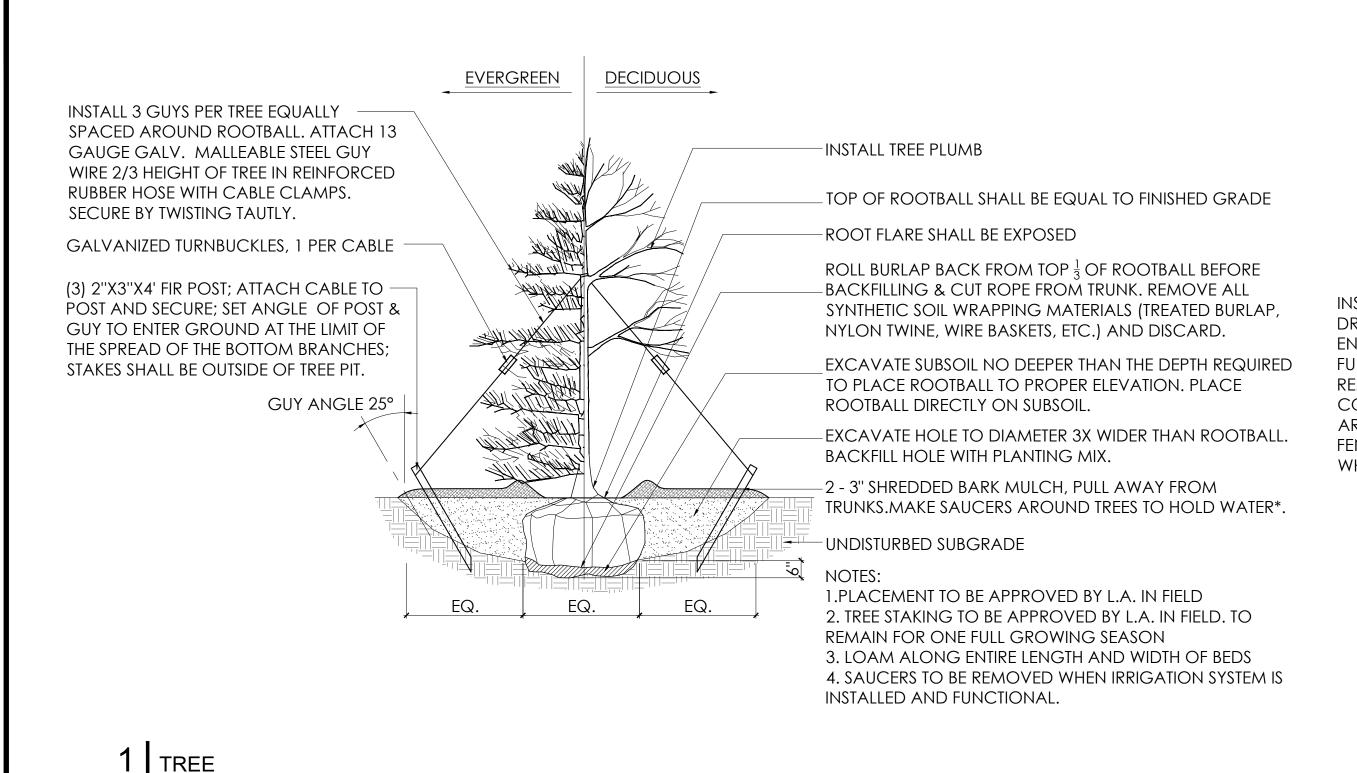


\CDG\Crocker Design Group, LLC\Gabriel Crocker — Projects\100—173 Wayland — HC Bentley\dwg\Plot Sheets\Site Plan Application\, C9. DETAIL SHEET.dwg, C-9.4, Jan 12, 2023 13:

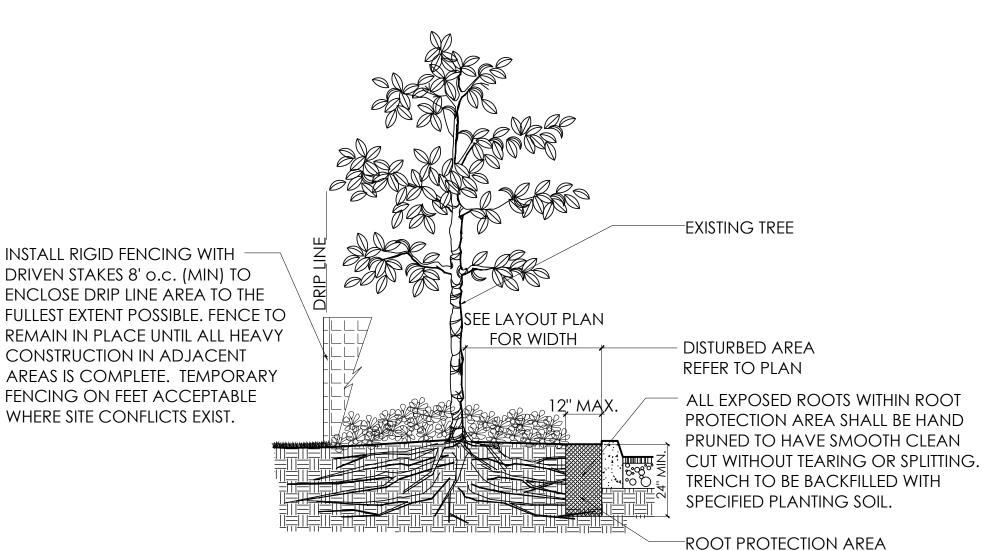
**RECORD OWNER: ENVIRONMENTAL NOTES:** ASSESSORS MAP 21 LOT 3 1. SITE IS NOT WITHIN AN A.C.E.C. (AREA OF CRITICAL ENVIRONMENTAL CONCERN). 533 BOSTON POST ROAD 2. SITE IS NOT WITHIN AN AREA OF ESTIMATED HABITAT OF RARE WILDLIFE PER NHESP MAP AUGUST 1, 2021 HERB CHAMBERS 533 POST ROAD, LLC "ESTIMATED HABITATS OF RARE WILDLIFE" FOR USE WITH THE MA WETLANDS PROTECTION ACT REGULATIONS (310 533 BOSTON POST ROAD CMR 10)." WAYLAND, MA 01778 APPROXIMATE LIMIT OF TOWN OF WAYLAND DEED BOOK 49646 PAGE 586 FLOODPLAIN DISTRICT 3. SITE DOES NOT CONTAIN A CERTIFIED VERNAL POOL PER NHESP MAP AUGUST 1, 2021 "CERTIFIED VERNAL LOT 2 - PLAN BOOK 8557 (EL. 124 ABOVE POOLS." MEAN SEA LEVEL) PLAN REFERENCES: 4. SITE FALLS WITHIN A PRIORITY HABITAT (PH1395) PER NHESP MAP AUGUST 1, 2021 "PRIORITY HABITATS OF RARE 1. PLAN No. 1681 of 1955. PLAN BOOK 8557 SPECIES" FOR SPECIES UNDER THE MASSACHUSETTS ENDANGERED SPECIES ACT, REGULATIONS (321 CMR10). FLOOD NOTE: R=125.93 BY GRAPHIC PLOTTING ONLY, A PORTION OF THE SITE IS 5. SITE IS NOT LOCATED WITHIN A STATE APPROVED ZONE II GROUND WATER RECHARGE PROTECTION AREA. LOCATED IN ZONE "AE" (ELEV. 121) OF THE FLOOD INSURANCE - R=125.95 ASSESSORS MAP 21 LOT 4
HERB CHAMBERS 83 BOSTON POST ROAD, LLC RATE MAP, AS SHOWN ON COMMUNITY MAP No. 25017C0507F, WHICH BEARS AN EFFECTIVE DATE OF JULY 7, 2014, AND IS IN LAND COURT CERT. NO. 239664
LAND COURT PLAN NO. 29597A A SPECIAL FLOOD HAZARD AREA. LOCATION MAP SCALE: NOT TO SCALE S86°58'44"W NOTES: 1. PROPERTY LINE, STREET LINE AND OWNER INFORMATION WAS COMPILED 50' BUFFER TO RESOURCE AREAS FROM RECORDS ON FILE AT THE MIDDLESEX SOUTH COUNTY REGISTRY OF 123.1+ DEEDS AND THE TOWN OF WAYLAND ASSESSORS DEPARTMENT. STORM GRATE 2. TOPOGRAPHIC AND DETAIL INFORMATION SHOWN HEREON IS BASED UPON 30' WIDE GAS EASEMENT AN ON THE GROUND SURVEY PERFORMED BY CROCKER DESIGN GROUP OF 33) YR 1951 DURING JUNE OF 2022. DEED BK 7772 PG 162 DCB DMH 125.78 C/O | R=125.85 3. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF R=125.78 1 +123.6 DMH [\_\_\_ R=125.87 ()WETLAND RESOURCE AREAS SHOWN ON THIS PLAN WERE DELINEATED BY CONCRETE DUMPSTER 30' RIGHT OF WAY DGT ASSOCIATES ON JUNE 21, 2022, AND FIELD LOCATED BY CROCKER +125.3 DEED BK 12223 -DESIGN GROUP. 5. SUBJECT SITE IS IN THE "LIMITED COMMERCIAL DISTRICT" AND "MEDICAL UNDERGROUND TREATMENT MARIJUANA OVERLAY DISTRICT" AS DEPICTED ON THE TOWN OF WAYLAND SEPTIC TANKS FACILITY R=125.9 ZONING MAP. EXISTING UTILITIES, WHERE SHOWN, HAVE BEEN COMPILED BASED ON 3 YS R=126.23- MARKER OBSERVED ABOVE GROUND EVIDENCE AND AVAILABLE RECORD PLANS AND GRASS AREA ARE TO BE CONSIDERED APPROXIMATE. CROCKER DESIGN GROUP DOES 11 SPACES R=126.32NOT GUARANTEE THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN GARAGE DOOR W/ SIDE DOOR SLAB=126.10 PAVED GARAGE ACCESS OR THAT ALL EXISTING UTILITIES AND/OR SUBSURFACE STRUCTURES ARE PAVED AREA R=125.5 GARAGE DOOR — CHAIN LINK FENCE TBM #2
RAILROAD SPIKE IN POLE 83 BOSTON POST ROAD MAP K11 LOTS 15 & 99 ELEV. 125.84 (NAVD88) ELECTRIC 50' BUFFER TO (SUFFOLK) & TRANSFORMER OF RESOURCE AREAS MAP 21 LOT 4 (WAYLAND)  $\Rightarrow$ N/F HERB CHAMBER 83 BOSTON POST ROAD, LLC DEED BOOK 49646 PAGE 576 12" - 126 - - - 14" LAND COURT TRANSFER SIAMESE STANDPIPE — ELECTRIC VEHICLE \_ CHARGING STATION CONC. WALKWAY WYOVERHANG ABOVE MAP 21 LOT 3 Date Description 128,434± S.F. OR 2.95± ACRES +124.8 R=126.85 HANGING SIGN "BENTLEY SERVICE" DMH PAVED AREA R = 126.85WOODED AREA EXISTING DEALERSHIP 40' WIDE RIGHT OF WAY R=126.84 (1 STORY) À(PLAN No. 173 OF 1931) — SHANE M. BRENNER (DEED BK 9113 PG 169) PROFESSIONAL LAND SURVEYOR, MA REGISTRATION #45917 BUILDING HEIGHT =14.1 T R=126.94 100' BUFFER TO -DOUBLE DOOR RESOURCE AREAS PAVED PARKING 523 BOSTON POST ROAD +125.2 ROW OF HEDGE Design ASSESSORS MAP 21 LOT 1 BRICK PAVERS <sup>'</sup> \PAVED PARKING HINGHAM, MA BRICK PAVERS DC REÁLTY TRUST 02043 DEED BK. 25739 PG 575 Group LOT A, PLAN BK 13905 PG 128 GRASS AREA --- 126 -BRICK PAVERS ENCLOSURE + W/ DOUBLE DOOR R=127.12 +125.5 4 SPACES 4 SPACES **533 BOSTON POST ROAD** TBM #1
RAILROAD SPIKE IN POLE PAVED AREA LANDSCAPED ELEV. 128.98 (NAVD88) WOODED AREA WAYLAND, MA +126.1 LANDSCAPED AREA NO PARKING GRASS AREA NO PARKING R=128.86HERB CHAMBERS JAGUAR/LAND ROVER \_\_\_ "BENTLEY \_-WELCOME SIGN BOSTON" **533 BOSTON POST** ROAD, LLC 20 WIDE WATER EASEMENT PLÁNTER 20' WIDE WATER EASEMENT PLAN-1365 OF 1966--#533 BOSTON POST ROAD - ROUTE 20 PLAN 159 OF 1959\ DEED BOOK 11254 PAGE -- DEED-BK 9321 PG 487 WAYLAND, MA 01778 394.36 \_\_\_\_\_GAS \_\_ \_\_\_\_MARKER \_ APPROXIMATE R=127.51 TOWN LINE EXISTING CONDITIONS PLAN TOWN LINE CB R=136.7 1903 STATE HIGHWAY BASELINE oject No. 100-173 BOSTON POST ROAD CB R=127.31\_\ STA 166+14.37 1903 SHLO BASELINE = ~ PUBLIC´- 49.50' WIDE ~ STA 258+17.62 1901 SHLO BASELINE (1903 STATE HIGHWAY LAYOUT No. 840 – ROUJE 20) 7/18/2022 1 OF 1 — онw, <del>∕</del> онw — онw <u> </u> онw — онw <u> </u> онw — \_\_\_\_ОНW\_\_\_\_\_ОНW\_\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_\_ОНW\_\_\_ Drawn By R = 127.0MINUTEMAN orange DRIVER=127.65 proved By "NO PASSING ZONE"

C:\CDG\Crocker Design Group, LLC\Gabriel Crocker - Projects\100-173 Wayland - HC Bentley\Survey\DWG\100-173-EX-1-11-23.dwg





SECTION



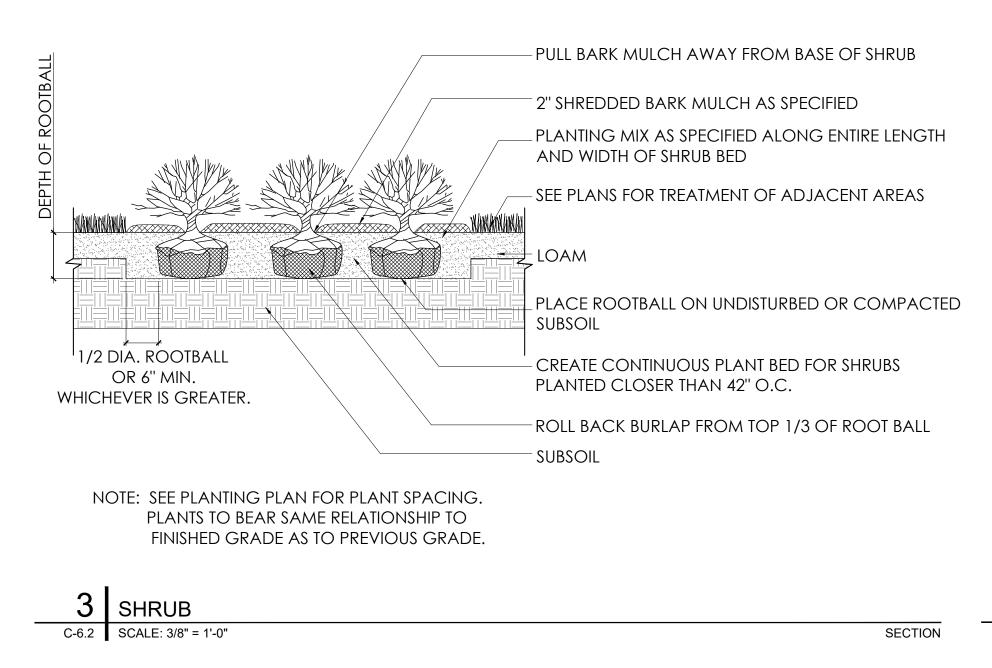
SECTION

2 CONSTRUCTION NEAR EXISTING TREE

C-6.2 SCALE: 3/8" = 1'-0"

NOTE: NO MATERIAL OR VEHICLE STORAGE IS TO OCCUR

WITHIN THE DRIP LINE AREAS OF EXISTING TREES.



SOD/ SEED

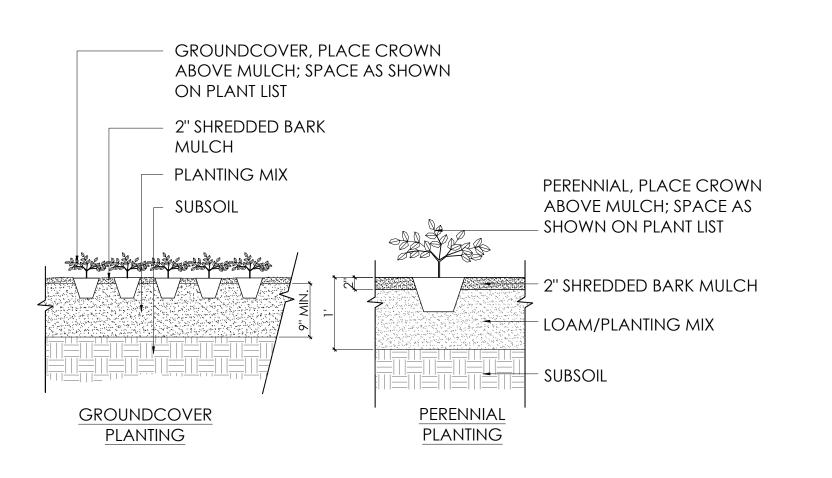
RAKE SMOOTH.

>1" DIAMETER.

FINISH GRADE, HAND

REMOVE ALL STONES

6" MINIMUM DEPTH



NOTE: SEE PLANTING PLAN FOR PLANT SPACING.
PLANTS TO BEAR SAME RELATIONSHIP TO
FINISHED GRADE AS TO PREVIOUS GRADE.

4 GROUNDCOVER AND PERENNIALS

C-6.2 SCALE: 3/4" = 1'-0"

#### FINAL PLANTING AND FINAL STABILIZATION NOTES

1. ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.

SECTION

- 2. FINAL PLANTING TO BE REVIEWED BY OWNER OR OWNER'S REPRESENTATIVE.
- ALL PLANTING BEDS TO BE MULCHED WITH AGED HARDWOOD BARK MULCH TO A DEPTH OF THREE (3) INCHES. PROVIDE FIVE (5) FOOT DIAMETER MULCH CIRCLE AROUND ALL INDIVIDUAL TREE PLANTINGS.
   PLANT MATERIALS SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS THEY BORE TO GRADE IN THE
- NURSERY.

  5. SPACE PLANTS AT SCALED DISTANCES SHOWN ON DRAWINGS UNLESS OTHERWISE REQUIRED IN FIELD DUE TO UTILITY OR DRIVEWAY CONFLICTS. REVISED LOCATIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
- 6. ALL DECIDUOUS TREES SHALL BE FITTED WITH TREE-WATERING BAGS (TREEGATOR® OR EQUAL) FOLLOWING COMPLETION OF PLANTING.
- 7. ANY PROPOSED SUBSTITUTION OF PLANT MATERIAL SPECIES OR SIZE SHALL ONLY BE MADE AFTER PRIOR
- APPROVAL OF LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
- 8. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR TWO YEARS FOLLOWING DATE OF FINAL WRITTEN ACCEPTANCE FROM THE OWNER OR OWNER'S REPRESENTATIVE.
- 9. CONTRACTOR SHALL PROTECT ALL EXISTING VEGETATION AT THE SITE THAT IS NOT REQUIRED TO BE REMOVED TO MAKE WAY FOR NEW CONSTRUCTION.

#### **SOIL NOTES**

- 1. ALL AREAS DISTURBED BY CONSTRUCTION NOT DESIGNATED TO RECEIVE OTHER TREATMENT SHALL BE LOAMED A MINIMUM OF 6" AND SEEDED AS SPECIFIED BELOW. TOPSOIL FOR THIS PURPOSE SHALL BE TESTED BY AN APPROVED SOIL TESTING LABORATORY AND SHALL MEET THE FOLLOWING MINIMUM STANDARDS:
- -- TEXTURE: FINE SANDY LOAM OR SANDY LOAM, AS DETERMINED BY MECHANICAL ANALYSIS AND BASED ON THE USDA STANDARD SOIL CLASSIFICATION SYSTEM.
- ACIDITY: SOIL REACTION SHALL BE IN THE RANGE OF 5.5 TO 7.6, OR SHALL BE AMENDED TO MEET THIS RANGE.
   ORGANIC MATTER: TOPSOIL SHALL HAVE A RANGE BETWEEN 5% AND 10% ORGANIC MATTER CONTENT BASED ON THE LOSS ON IGNITION OF OVEN-DRIED SAMPLES.
- 2. TREE/SHRUB PLANTING MIX: MIX THE SPECIFIED MATERIALS ON-SITE IN THE FOLLOWING PROPORTIONS:
- -- 3 PARTS TOPSOIL AS SPECIFIED ABOVE, 1 PART PEAT MOSS, 1 PART SAND. IF PLANTS ARE INSTALLED IN SPRING, ADD 5 POUNDS OF SUPERPHOSPHATE/CUBIC YARD OF MIXTURE. ALL AMENDMENTS SHALL BE THOROUGHLY INCORPORATED INTO MIXTURE TO ASSURE UNIFORM DISTRIBUTION. PLANTING MIX SHALL BE USED TO BACKFILL ALL TREE PLANTING HOLES, AS INDICATED IN THE PLANTING DETAIL.

#### PERMANENT SEED MIX NOTES

SEED/SOD GRASS AREAS: SEED/SODSEED ALL SEED/SODGRASS LAWN AREAS WITH A DROUGHT TOLERANT, HIGH-FESCUE SEED/SODGRASS SEED MIX SUCH AS PEARL'S PREMIUM GRASS SEED BY PEARL'S PREMIUM, WAYLAND, MA; ENVIROSEED/SOD BY BLUESTEM NURSERY, LAURIER, WA; ECO-LAWN BY WILDFLOWER FARM, COLDWATER, ONT, CAN; OR APPROVED EQUAL, APPLIED AT SEED PRODUCER'S RECOMMENDED RATE. SEEDING SHALL BE DONE EITHER BETWEEN APRIL 1 AND JUNE 15, OR BETWEEN AUGUST 15 AND SEPTEMBER 30.

MEADOW MIX AREA: SEED OVER STORMWATER DETENTION AREA WITH "NEW ENGLAND NATIVE WARM SEASON GRASS MIX" BY NEW ENGLAND WETLAND PLANTS, AMHERST, MA, OR APPROVED EQUAL, PER MANUFACTURER'S RECOMMENDATIONS. WARM SEASON SEEDING PROGRAM WILL LIKELY TAKE 2-3 GROWING SEASONS UNTIL GOOD GROWTH IS ESTABLISHED.

MULCH ALL SEEDED AREAS WITH 500-700 LBS. OF SALTMARSH HAY OR WEED-FREE STRAW PER ACRE, SPREAD EVENLY. ALL SLOPES OF 3:1 OR GREATER, AFTER BEING LOAMED, SEEDED, AND MULCHED, SHALL BE COVERED WITH JUTE OR BIODEGRADABLE TOBACCO NETTING SECURELY ANCHORED TO THE SLOPE. OVERLAP A NETTING JOINTS A MINIMUM OF 4" AND SECURE WITH A DOUBLE ROW OF STAPLES.\*

MAINTENANCE OF SEED AREAS SHALL CONSIST OF WATERING, WEEDING, CURING, REPAIR OF ALL EROSION, AND RESEEDING AS NECESSARY TO ESTABLISH A UNIFORM STAND OF GRASS. LAWNS SHALL BE WATERED IN A SATISFACTORY MANNER DURING AND IMMEDIATELY AFTER PLANTING, AND NOT LESS THAN TWICE PER WEEK UNTIL FINAL ACCEPTANCE. ALL AREAS WHICH FAIL TO SHOW A UNIFORM STAND OF GRASS FOR ANY REASON SHALL BE RESEEDED REPEATEDLY UNTIL A UNIFORM STAND IS ATTAINED.

HYDROSEEDING IS AN ACCEPTABLE ALTERNATE METHOD OF SEEDING, IF UNDERTAKEN IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

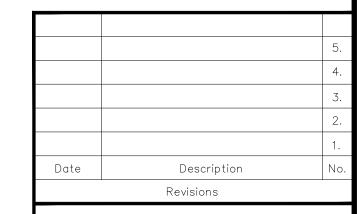
- MATERIALS FOR HYDROSEEDING SHALL INCLUDE TACKIFIER, WOOD CELLULOSE FIBER MULCH, FERTILIZER, GROUND LIMESTONE AND WATER.
   PROVIDE JUTE MATTING OR BIODEGRADABLE TOBACCO
  - NETTING ON ALL SLOPES EQUAL TO OR GREATER THAN 3:1.

    JUTE MATTING SHALL BE C-JUTE BY CONTECH CONSTRUCTION
    PRODUCTS, INC, GEOJUTE BY BELTON INDUSTRIES OR
    APPROVED EQUAL.\*
- -- IF PROJECT SCHEDULE REQUIRES SEEDING TO BE PERFORMED AFTER OCTOBER 15 UNTIL MARCH 31, THE FOLLOWING IS REQUIRED: AFTER HYDROSEEDING/SEEDING, THOSE VEGETATED AREAS WHICH HAVE A SLOPE EQUAL TO OR STEEPER THAN 4:1 SHALL BE COVERED WITH JUTE MATTING AND STAPLED IN PLACE PER MANUFACTURERS REQUIREMENTS. PRECAUTIONS SHALL BE TAKEN TO MINIMIZE DISTURBANCE OF THE HYDROSEED/SEED WHEN INSTALLING THE JUTE.\*

#### HYDROSEEDING/ SEEDING MIXTURE:

- TACKIFER: APPLY AT A RATE OF 60 GALLONS PER ACRE.
  WOOD CELLULOSE FIBER MULCH: APPLY AT A RATE OF 2,000 POUNDS PER ACRE.
- -- APPLY FERTILIZER AND LIMESTONE AT RATES DETERMINED BY SOIL ANALYSIS

\*STRAW MULCH AND NETTING ON SLOPES 3:1 OR GREATER IS NOT REQUIRED ON HYDROSEEDING OPERATIONS IF SLOPES ARE SPRAYED WITH A BONDED FIBER MATRIX MULCH, SUCH AS FLEXTERRA BY PROFILE PRODUCTS, LLC, OR HYDROSTRAW BFM BY HYDROSTATION, INC., INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.





THOMAS R. RYAN
LANDSCAPE ARCHITECT, MA REGISTRATION #590



WAYLAND-BENTLEY,
LAMBORGHINI, ROLLS ROYCE,
MASSERATTI, ALFA ROMEO

Prepared for

HERB CHAMBERS

#533 BOSTON POST ROAD, WAYLAND, MA

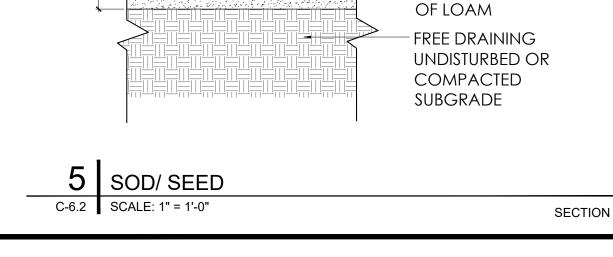
Drawing Title

PLANTING DETAILS

Drawing No.

ale AS NOTED

awn By AA



C-6.2 SCALE: 3/8" = 1'-0"