



USGS MAP SCALE: 1" = 2,000' SOURCE: USGS

PROPOSED SITE PLAN DOCUMENTS

— FOR ———



PROPOSED **SENIOR LIVING FACILITY**

LOCATION OF SITE: 1427 - 1449 MAIN STREET, CITY OF WEYMOUTH NORFOLK COUNTY, MASSACHUSETTS MAP #57, BLOCK #624, LOTS #12, 13, 29, 30, 31 & 32



SITE MAP SCALE: 1" = 100'



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	R	<i>EVISIONS</i>	•					
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REVISION 1 - 01/04/21

GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL 1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES UBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS.

- THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN: • "ALTA/NSPS LAND TITLE SURVEY" PREPARED BY CONTROL POINT ASSOCIATED, INC., DATED 9/24/20 AND LAST REVISED 12/07/20.
- "PRELIMINARY GEOTECHNICAL REPORT" PREPARED BY MCARDLE GANNON ASSOCIATES, INC., DATED 8/27/20.
- 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 ALL ACCESSIBLE (A/K/A ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL 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 FEFECT WHEN THESE PLANS ARE COMPLETED. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND CONFIRMED THAT ALL NECESSARY OR REQUIRED PERMITS HAVE BEEN OBTAINED. CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
- THE OWNER/CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY
- ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS SPECIFICATIONS AND CONDITIONS OF APPROVAL AND ALL APPLICABLE REQUIREMENTS. 5. THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE A RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT. 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 6. 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.
- THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
- . 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 8. WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK
- CONTRACTOR MUST REFER TO THE ARCHITECTURAL/BUILDING PLANS "OF RECORD" FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT 9. ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELL POINTS. ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS). PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE 10. SITE GRADING MUST BE PERFORMED IN ACCORDANCE W
- 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 1. 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. 2. 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.
- 3. THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO 11. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUI 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 PROJEC
- 4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF 12. THE CONTRACTOR MUST COMPLY, TO THE FULLEST EXT 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 13. 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
- 5. 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 16. 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
- 7 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 TIME 8. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF
- COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER ENGINEERING, AND ITS PAST. PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH BOHLER ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR ONE YEAR AFTER THE COMPLETION OF CONSTRUCTION. IN 18. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY I ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER ENGINEERING AND OF 0.75% GUTTER GRADE ALONG CURB FACE. IT IS CON ERS OFFICERS DIRECTORS PARTNERS SHAREHOLDERS MEMBERS PRINCIPALS COMMISSIONERS AGENTS SERVANTS PAST PRESENT AND FUTURE O EMPLOYEES. AFFILIATES. SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS FROM AND AGAINST ANY DAMAGES. INJURIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES 19. IN THE EVENT OF DISCREPANCIES AND/OR CONFLICTS BE OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS, ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED 18. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OR CHANGE OF ITS 20. CONTRACTOR IS REQUIRED PERMITS AND APPROVALS FOR ALL OFF SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR R INSURANCE HEREUNDER.
- 19. BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, 21. WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON PLANS, ELEVATIONS IDENTIFIED ARE FOR THE EXPOSED PORTION OF THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON PLANS, ELEVATIONS IDENTIFIED ARE FOR THE EXPOSED PORTION OF THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON PLANS, ELEVATIONS IDENTIFIED ARE FOR THE EXPOSED PORTION OF THEY SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES, COORDINATION OF THE WORK WITH OTHER TRADES, AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER. BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE 22. STORM DRAINAGE PIPE WILL BE 23. STORM DRAINAGE PIPE WILL BE 24. STORM DRAINAGE PIPE WILL BE 35. STORM DRAINAGE PIPE W CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS 23. HAVE NOT BEEN RECEIVED
- 20. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING AND/OR ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL 25. 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 26 STORMWATER ROOF DRAIN LOCATIONS OF SAME BASED ON PRELIMINARY ARCHITECTURAL PLANS. CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON DOCUMENTS AND COMPLIANCE WITH ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER ENGINEERING AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY 27. SEWERS CROSSING STREAMS AND/OR LOCATION WITHIN 10 FEET OF THE STREAM EMBANKMENT, OR WHERE SITE CONDITIONS SO INDICATE, MUST BE CONSTRUCTED OF STREAM. RESPONSIBLE FOR JOB SITE SAFETY. BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND MUST BE NAMED AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN NOTE 19 FOR JOB SITE SAFETY.
- 21. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS. INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, IN ACCORDANCE WITH PARAGRAPH 19 HEREIN, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME
- 22. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE R.O.W. OR 28. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER PURVEYOR. IN THE ABSENCE OF SUCH ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE

23. ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCALLY APPROVED SUPPLEMENT

- 24. 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
- 25. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, IN STRICT 31. CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN AND, FURTHER ENGINEER IS NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
- 26. ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED OTHERWISE. 27. ALL CONSTRUCTION AND MATERIALS MUST COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, ORDINANCES, RULES AND CODES, AND ALL APPLICABLE OSHA REQUIREMENTS.
- 28. CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY AND EVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
- 29. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH EPA REQUIREMENTS FOR SITES WHERE ONE (1) ACRE OR MORE (UNLESS THE LOCAL JURISDICTION REQUIRES FEWER) IS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ACTIVITIES. INCLUDING THOSE OF SUBCONTRACTORS. ARE IN COMPLIANCE WITH THE SWPPP. INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE.
- 30 AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED 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 IMPLIED

GENERAL GRADING & U

- ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION BEGINNING AT THE LOWEST INVERT (POINT OF CONNECT SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMME
- CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LC ELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN T WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY N DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUC UTILITIES DURING CONSTRUCTION.
- ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICA CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PI CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY TH COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DI CODES AND, FURTHER, CONTRACTOR SHALL BE RESPON
- 4. THE CONTRACTOR MUST LOCATE AND CLEARLY AND UN TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO
- DEMOLITION AS IDENTIFIED OR REQUIRED FOR THE PRO. HAVE BEEN TERMINATED AND ABANDONED IN ACCORDAN STATUTES, LAWS, ORDINANCES AND CODES
- THE CONTRACTOR MUST INSTALL ALL STORM SEWER AN CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF S REQUIREMENTS/DETAILS. DOOR ACCESS. AND EXTERIOR OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES NSURING THAT INSTALLATION OF ALL IMPROVEMENTS REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES THE EXISTING LITH ITV/SERV/ICE WHERE A CONFLICT(S) F POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY
- INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUI MUNICIPALITY TO CONFIRM THE PROPER WATER METER
- ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INS
- IN THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE F REPORT. ALL EXCAVATED OR FILLED AREAS MUST BE CO A COMPACTION REPORT PREPARED BY A QUALIFIED GEO AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGA OWNER/DEVELOPER'S REPRESENTATIVE, SUBBASE IS TO EARTHWORK ACTIVITIES INCLUDING, BUT NOT LIMITED TO
- ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY A BE COORDINATED WITH THE APPLICABLE UTILITY COMPA AT A MINIMUM. COMPLY WITH THE STATE DOT REQUIREN
- COMPACTION AND BACKFILL. FURTHER. CONTRACTOR I AND TRENCHING PROCEDURES. THE CONTRACTOR IS RE OSHA AS WELL AS ANY OTHER ENTITY THAT HAS JURISD
- RELATED FOR OR AS RELATED TO EXCAVATION AND TRE PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND E REMOVAL OPERATIONS MUST BE REMOVED FROM THE S
- 14. THE TOPS OF EXISTING MANHOLES. INLET STRUCTURES. APPLICABLE STANDARDS, REQUIREMENTS, RULES, STAT
- DURING THE INSTALLATION OF SANITARY SEWER, STORM ONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIO FROM THE INFORMATION CONTAINED IN THE UTILITY PLA PROVIDE TO THE OWNER AT THE COMPLETION OF WORK
- WHEN THE SITE IMPROVEMENT PLANS INVOLVE MULTIPL LIMITED TO STORM SEWER, SANITARY SEWER, UTILITIES, RESPONSIBLE, CONTRACTOR MUST CAP ENDS AS APPRO DRAINAGE OR UTILITY PLAN. WHICH CONTRACTOR MUST
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICA CONTRACTOR MUST CONFIRM AND ENSURE 0.75% MININ (EXCEPT WHERE ADA REQUIREMENTS OR EXISTING TOPO ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE WITHOUT PROVIDING PROPER NOTIFICATION, MUST BE A ENGINEER FOR ANY DAMAGES, COSTS, INJURIES, ATTOR
- IMMEDIATELY NOTIFY THE DESIGN ENGINEER, IN WRITING, OF ANY DISCREPANCIES AND/OR CONFLICTS.
- MUST SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING ANY WORK
- 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.
- POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS, IT MUST CONFORM TO AASHTO M294 AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT TIGHT JOINT. PVC PIPE FOR ROOF DRAIN CONNECTION MUST BE SDR 26 OR SCHEDULE 40 UNLESS INDICATED OTHERWISE.
- UNLESS INDICATED OTHERWISE ON THE DRAWINGS, SANITARY SEWER PIPE SHALL BE AS FOLLOWS: FOR PIPES LESS THAN 12 FT. DEEP: POLYVINYL CHLORIDE (PVC) SDR 35 PER ASTM D3034 FOR PIPES MORE THAN 12 FT. DEEP. POLYVINYL CH ORIDE (PVC) SDR 26 PER ASTMD3034 FOR PIPE WITHIN 10 FT. OF BUILDING, PIPE MATERIAL SHALL COMPLY WITH APPLICABLE BUILDING AND PLLMBING CODES. CONTRACTOR TO VERIFY WITH LOCAL OFFICIALS.
- STORM AND SANITARY SEWER PIPE LENGTHS INDICATED ARE NOMINAL AND MEASURED CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE.
- FINAL ARCHITECTURAL PLANS TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENT AGENCY WITH
- JURISDICTION OVER SAME.
- MUST BE PROVIDED AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION. WITH THE AGENCY WITH JURISDICTION OVER SAME
- 30. LOCATION OF PROPOSED UTILITY POLE RELOCATION IS AT THE SOLE DISCRETION OF UTILITY COMPANY.

ENERAL GRADING & UTILITY PLAN NOTES	GENERAL DEMOLITION NOTES
LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS MUST BE INDEPENDENTLY CONFIRMED BY THE CONTRACTOR IN THE	1. THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
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	"ALTA/NSPS LAND TITLE SURVEY" PREPARED BY CONTROL POINT ASSOCIATED, INC., DATED 9/24/20 AND LAST REVISED 12/07/20.
	 CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 et AMENDED AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME.
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 IS DESPONSIBLE FOR DEPARTMENT OF OUR ALL THE LINDERGROUND LITTIES AND STORM SEWER, S	3. BOHLER ENGINEERING HAS NO CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION, OR ANYTHING RELATED TO S
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.	4. THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION, ONLY, REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR M REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SIT IMPROVEMENTS.
IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE OR APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTOR'S FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES AND FURTHER. CONTRACTOR SHALL DE RESPONSIBIL FOR ALL COSTS ASSOCIATED WITH SAME	5. CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS, CONCERNS REGARDING THE APPLICA SAFETY STANDARDS, OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH BOHLER ENGINEERING, IN WE RESPONDED TO BY BOHLER, IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY. ALL DEMOLITION ACTIVITIES MUST BE PI IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.
THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE	6. PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:
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.	A.OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES WITH JURISDICTION TH THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK.
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	B. NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION DISTRICT, 72 HOURS PRIOR TO THE START OF WORK.
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.	C.INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
THE CONTRACTOR MUST INSTALL ALL STORM SEWER AND SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.	D.IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARKOUT, IN ADVAN EXCAVATION.
CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS WITH JURISDICTION AND/OR CONTROL OF THE SITE, AND ALL OTHER APPLICABLE	E.LOCATING AND PROTECTING ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHO FIBER OPTIC CABLE, ETC. WITHIN AND ADJACENT TO THE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE REQUIREMEN APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE SITE PLANS AND THE ARCHITECTURAL PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME.	F. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MUST INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE. CONTRACTOR MUST CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION.	G.ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE RE THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTIN AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS.
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.	H.COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE PARTIES. WORK REQUIRED TO BE DONE "OFF-PEAK" IS TO BE DONE AT NO ADDITIONAL COST TO THE OWNER.
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	I. IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL, THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND SPECIFICA CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS.
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	 THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SY AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY. THE CONTRACTOR MUST PROVIDE ALL "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT. SETTLEMENT. OR COLLAPSE OF EXISTING STRUCTURES
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.	OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE-E CONDITION, OR BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE.
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.	9. THE CONTRACTOR MUST NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERI THE LIMITS OF DISTURBANCE UNLESS SAME IS IN STRICT ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER TH DIRECTION OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
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.	10. CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH BACKFILL MATERIALS, AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND PERFORMED IN COMPLIANCE WITH THE RECOMMENDA GUIDANCE IN THE GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREVE ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE DRAINAGE.
PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.	11. EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS MUST BE IN PLACE PRIOR TO CC STARTING AN EXPLOSIVE PROGRAM AND/OR ANY DEMOLITION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTI
THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.	REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
DURING THE INSTALLATION OF SANITARY SEWER, STORM SEWER, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE FROM THE INFORMATION CONTAINED IN THE UTILITY PLAN. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY	12. CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FHWA "MANUAL OI TRAFFIC CONTROL DEVICES" (MUTCD), AND THE FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS AND/OF RIGHT-OF-WAY.
PROVIDE TO THE OWNER AT THE COMPLETION OF WORK. 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	13. CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALK OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENC ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.
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.	14. DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNE GOVERNMENTAL AGENCIES WITH JURISDICTION.
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.	15. THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDER AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVI AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DI CONDITION.
PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER GRADE ALONG CURB FACE. IT IS CONTRACTOR'S OBLIGATION TO ENSURE THAT DESIGN ENGINEER APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION OF SAME.	16. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNA PERSONS AT ANY TIME.
IN THE EVENT OF DISCREPANCIES AND/OR CONFLICTS BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE AND CONTROL. CONTRACTOR MUST	17. CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH MUST INCLUDE, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FE OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.

DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH ALL COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVI PROMPTLY PROVIDED TO THE OWNER UPON REQUEST

RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OV OWNER/DEVELOPER UPON COMPLETION OF THE WORK

CONTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (ACCESSIBLE) ACCESSIBLE COMPONENTS AND ACCESS ROUTES FO SITE. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH ALL APPLICABLE STATE AND LOCAL ACCESSIBILITY LAWS AND REGULATIONS AND THE CURREN AND/OR STATE ARCHITECTURAL ACCESS BOARD STANDARDS AND REGULATIONS' BARRIER FREE ACCESS AND ANY MODIFICATIONS, REVISIONS OR UPDATES TO SAM FINISHED SURFACES ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC TRANSPORTATION, PEDESTRIAN ACCESS, INTER-BUILDING ACCESS POINTS OF ACCESSIBLE BUILDING ENTRANCE/EXIT, MUST COMPLY WITH THESE ADA AND/OR ARCHITECTURAL ACCESS BOARD CODE REQUIREMENTS. THESE INCLUE ARE NOT LIMITED TO THE FOLLOWING

- 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%
- PATH OF TRAVEL ALONG ACCESSIBLE ROUTE MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS AND/OR HANDRAILS 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 I 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. 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 I 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 I NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO LESS THAN 60 INCHES (5 FEET) LONG. EXCEPT WHERE OTHERWISE PERMITTED 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 DOC OR SURFACES, CONTRACTOR MUST VERIFY EXISTING ELEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STA FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES. IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS. IN WRITING, BEFORE COMMENCE WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND REQUIREMENTS
- THE CONTRACTOR MUST VERIFY THE SLOPES OF CONTRACTOR'S FORMS PRIOR TO POURING CONCRETE. IF ANY NON-CONFORMANCE IS OBSERVED OR CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE. REF 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

- SED 12/07/20. FETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 et
- SITE SUPERVISION, OR ANYTHING RELATED TO
- ISHED AND/OR REMOVED. THE CONTRACTOR M SARY FOR THE CONSTRUCTION OF THE NEW S

FICATIONS CONCERNS REGARDING THE APPLIC IIS PROJECT, WITH BOHLER ENGINEERING, IN WE TIVITY. ALL DEMOLITION ACTIVITIES MUST BE P , STATE AND LOCAL REGULATIONS, RULES,

- ICT. 72 HOURS PRIOR TO THE START OF WORK.
- TRIC, SANITARY AND STORM SEWER, TELEPHO
- IUST USE AND COMPLY WITH THE REQUIREME ED DURING ALL DEMOLITION ACTIVITIES.
- OR PERMANENT TERMINATION OF SERVICE RE NER WRITTEN NOTIFICATION THAT THE EXISTIN OMPANY REQUIREMENTS.
- BE REQUIRED TO MINIMIZE THE IMPACT ON THE
- RESSED IN THE PROJECT PLANS AND SPECIFIC HE DISCOVERY OF SUCH MATERIALS R MUST PROCEED WITH THE DEMOLITION IN A SY
- MENT, OR COLLAPSE OF EXISTING STRUCTURE REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE RATION OF ANY ITEMS REPAIRED TO THE PRE-
- NDATION WALLS FOOTINGS OR OTHER MATER PLANS AND SPECIFICATIONS, AND/OR UNDER T
- ES. BACKFILL MUST BE ACCOMPLISHED WITH RMED IN COMPLIANCE WITH THE RECOMMEND. TIVITIES, AND MUST BE DONE SO AS TO PREVE
- ABLE GOVERNMENTAL AUTHORITIES. ALL THE VERNMENTS MUST BE IN PLACE PRIOR TO CO LL INSPECTION AND SEISMIC VIBRATION TEST
- IANCE WITH THE CURRENT FHWA "MANUAL O RELATED ACTIVITIES IMPACT ROADWAYS AND/O
- ICE WITH ROADS, STREETS, SIDEWALKS, WALK NMENTAL AUTHORITY PRIOR TO THE COMMEN
- WITHOUT WRITTEN PERMISSION OF THE OWNE
- FERING IN THE AIR IN ACCORDANCE WITH FEDE STRUCTURES AND IMPROVEMENTS TO REMOV JING ALL ADJACENT AREAS TO THEIR "PRE-D
- A MANNER AS TO PREVENT THE ENTRY OF UNA
- ALLATION AND MAINTENANCE OF BARRIERS, FE CONSTRUCTION ACTIVITY.
- PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MUS WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.

20. CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN

REINFORCED CONCRETE, DUCTILE IRON OR OTHER SUITABLE MATERIAL. SEWERS CONVEYING SANITARY FLOW COMBINED SANITARY AND STORMWATER FLOW OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE. THE PIPES MUST BE IN SEPARATE

WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING ADA INSTRUCTIONS TO CONTRACTOR. MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER

REQUIREMENTS, WATER MAIN PIPING MUST BE CEMENT-LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE

29. 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

SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERT

	TYPICAI	L ABE	BREV	IATIONS				MITHOUT PRIOR WRIT PURPOSES
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BOC	BACK OF CURE	3	TBR	TO BE REMOVED		ш		
BW	BOTTOM OF WALL G	RADE	TPF	TREE PROTECTION FENCE			ANAC ANAC RCHI SEF	SHALL NO ALED PLAN
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EOP	EDGE OF PAVEME	NT	DMH	DRAIN MANHOLE	1			HIS PLAN A
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FF	FINISHED FLOO	R	SAN.	SANITARY			SITE	N AND CON
V.I.F.	VERIFY IN FIEL	C	CONC.	CONCRETE				TION, DESIC AUTHORIZA
GC	GENERAL CONTRAC	CTOR	ARCH.	ARCHITECTURAL				EINFORMA
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			R	RADIUS		R	<i><i>EVISIONS</i></i>	
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PI.	POINT OF INTERSEC	TION	DEC.	DECORATIVE				
PVI.	POINT OF VERTIC INTERSECTION	AL	ELEV.	ELEVATION				
STA.	STATION		UNG.	UNDERGROUND				
GRT	GRATE		R.O.W.	RIGHT OF WAY				
INV.	INVERT		LF	LINEAR FOOT				
DIP	DUCTILE IRON PI	PE	LOD	LIMIT OF DISTURBANCE				
PVC	POLYVINYL CHLORID	E PIPE	LOW					
RCP	REINFORCED CONC	RETE	L.S.A.				011	
S	PIPE		• •	DEGREE				
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REVISION 1 - 01/04/21

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



LERENG.NET\SHARES\MA-PROJECTS\20\W201012\DRAWINGS\PLAN SETS\REV1\W201012-CVL-1---->LAYOUT: C-201-DI



	ZONING A	ANALYSIS T	ABLE	N/A - NOT APPLICABLE N/S - NOT SPECIFIED (V) - VARIANCE REQUESTED	₽ P			WRITTEN
	ZONING DISTRICT	HIGHWAY TRANSITION (H	T) & RESIDENCE R-1	(W) - WAIVER REQUESTED(E) - EXIST. NON-CONFORMANCE				OUT PRIOR POSES
	OVERLAY DISTRICT	COMMERCIAL CORRIDOF	R OVERLAY (CCOD)	-		υ		OSE WITHC TION PURP
	ZONE CRITERIA	REQUIRED (CCOD)	EXISTING	PROPOSED		RIN		ANY PURPA ONSTRUCT
	MIN. LOT AREA	30,000 SF	119,959 SF (2.76 AC.) 349 1 FT	NO CHANGE			ES RE	USED FOR
	MIN. LOT WIDTH	N/S	365.4 FT	NO CHANGE				OPED OR 1 L BE UTHLE
	MAX. BLDG. LOT COVERAGE	60%	9.0%	34.0%		VEN VGEN	HITE DES ERVI(NOT BE CC
	MIN. SIDE SETBACK	10 FT	3.9 FT (E)	10.2 FT		NLT JRVE	ARCI BLE G SE	AND SHALL SEALED PI
	MIN. REAR SETBACK	15 FT N/S	49.5 FT 0.0 FT (E)	35.1 FT 5.1 FT			APE AINA TTIN	PRIETARY , GNED AND DHLER
	MAX. BUILDING HEIGHT	MIN. 45 FT / 3 STORIES	< 35 FT	5 STORIES			DSC/ UST/ ERMI	ARE PROF ROVED, SI © BC
	F.A.R. ALLOWED	MAX. 70 FT / 5 STORIES 1.25 (1)	0.12	1.21			ANG SI BAR	THIS PLAN ONLY APP
	MAX. IMPER. COVERAGE	75%	35.7%	68.5%				NTENT OF
	ACCESS. PARKING SPACES	5	N/A	5		SIT		IGN AND CC ATION FRO
	PARKING STALL CRITERIA STANDARD: 9 FT x 18 FT	USE/CATEGORY: (2) REQUIRED PARKING: (2)	2)					ATION, DESI AUTHORIZ
	COMPACT: 8 FT x 16 FT	CALCULATION: (2)						HE INFORM
	NOTE: PER SECTION 120-25.	14 OF THE ZONING BYLAW	/, PARCELS WITHIN TH	IE OVERLAY DISTRICT ARE		·		'E
	SUBJECT TO EITHER THE ADI DISTRICT AT THE APPLICANT	DITIONAL REQUIREMENTS S OPTION. IN CASES WHE	OF THE OVERLAY DIS	STRICT OR THE UNDERLYING TS, THE REGULATIONS OF		REVISIO	NS	
	APPLICANT INTENDS TO COM	HE UNDERLYING ZONING S APLY.	SHALL APPLY BASED (JPON THE SCHEME THE	REV DA	TE COMM	IENT	DRAWN BY CHECKED BY
	(1) CAN BE INCREASED BY 0(2) REFER TO LETTER PREP	0.25 IF WITHIN 1,000 FEET (PARED BY DEPARTMENT O	OF MBTA COMMUTER F MUNICIPAL LICENSE	RAIL STATION. ES AND INSPECTIONS TO	1 01/0	04/21 RDA SUB	MISSION	NPD RMM
	ATTORNEY FRANK MARII (3) INCLUDES 27 SHARED P/	NELLI DATED DECEMBER ARKING SPACES ON THE A	10, 2020 FOR PARKING ABUTTING LOT (1427 M	G DETERMINATION. IAIN STREET).				
		EAR						
		GSF:	. CALCULATION 182,1	40				
		BASEN CIRCU	/ENT: -13,3 LATION: <u>-21,7</u>	05 63				
		TOTAL	.: 147,0	172				
		EVB						
		LOT AL	LOWED: 119,9	59				
		F.A.R.	ALLOWED: <u>1.259</u>	<u>6</u> MA				
		TOTAL	149,9	Y+3				
		GROS		A FA	1	811		
CATION OF ISOLATED		LEVE BASEN LEVE	L AR MENT 13,30 1 41.30	15 SF 95 SF	1			
ETLAND OF IVW = 500± SF		LEVEL	2 41,48 3 40,37	34 SF 79 SF	1	Know what's belo Call before y	w. ou dig.	
		LEVEL LEVEL	4 24,29 5 <u>21,28</u>	95 SF 32 SF 40 SF		ALWAYS CAL	L 811	_
ىرىرى				40 OF	lt's	tast. It's free. It	s the law	! <u>.</u>
		OVER/						
		3 AND ±182,1	5 STORIES + BASEME 40 SF	NT		PERMIT	SET	
.		UNIT M INDEP	<u>1IX</u> ENDENT LIVING	±98	THIS DRAW			AGENCY
		ASSIS MEMO	TED LIVING RY CARE	±42 ±25		CUMENT UNLESS INDICATE	ED OTHERWISE.	STRUCTION
APPROX. LOCATION OF 50' NO-DISTURBANCE SETBACI	K	TOTAL		±165	PROJECT DRAWN B	No.: Y:	V	V201012 CFD
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		SHARE		±27	PROJECT		W20101	2-676-1
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REVISION 1 - 01/04/21



ERENG.NET\SHARES\MA-PROJECTS\20\W201012\DRAWINGS\PLAN SETS\REV1\W201012-CVL-1----->LAYOUT: C-401-G



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Κ		REV DATE COMMENT DRAWN BY 1 01/04/21 RDA SUBMISSION NPD 1 01/04/21 RDA SUBMISSION NPD 1 01/04/21 RDA SUBMISSION NPD 1 01/04/21 RDA SUBMISSION Image: comparison of the second sec
ROX. LOCATION OF ISOLATED TATED WETLAND LAREA OF IVW = 500± SF		Know what's below. Call before you dig. ALWAYS CALL 811 It's fast. It's free. It's the law. PERMIT SET This drawing is intended for municipal and/or agency review and approval. It is not intended as a construction <u>Document</u> unless indicated otherwise. PROJECT No.: W201012 DRAWN BY: CFD CHECKED BY: RMM DATE: 12/17/2020 CAD I.D.: W201012-CVL-1 PROJECT:
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 	THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY REFER TO SOIL EROSION CONTROL	SOUTHBOROUGH, MA 01772 Phone: (508) 480-9900 www.BohlerEngineering.com WWW.BohlerEngineering.com WWW.BohlerEngineering.com SHEET TITLE: SOIL EROSION & SEDIMENT
	NOTES & DETAIL SHEET FOR EROSION NOTES AND DETAILS	CONTROL PLAN SHEET NUMBER: C-601 REVISION 1 - 01/04/21

EROSION & SEDIMENT CONTROL NOTES

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND. THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).
- SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE #5.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER, SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.
- 6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1).
- IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING
- TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- 9. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.
- 10. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS: 10.1. SIX INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
- APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR 10.2. WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER1.000 SF).
- 10.3. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEEDED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEEDED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUE-GRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS: SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN QUALITY SOD MAY BE SUBSTITUTED FOR SEED
- 10.4. STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON STRAW MULCH FOR WIND CONTROL.
- 11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.
- 12. WETLANDS WILL BE PROTECTED W/ STRAW, COMPOST, AND/OR SILT FENCE BARRIERS INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.
- 13. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS.
- 14. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED.
- 15. THE USE OF STRAW HAY BALES IS PROHIBITED.

MULCH

LOCATION PROTECT AREA	MULCH JUTE MESH OR EXCELSIOR MAT	RATE (1000 SF) AS REQUIRE
WINDY AREA	JUTE MESH OR EXCELSIOR MAT	AS REQUIRE
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED
GREATER THAN 3:1	(REFER TO GEOTECHNICAL REPORT FO	R FINAL DESIGN REQUIREMENT)

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

MULCH ANCHORIN

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

EROSION CONTROL NOTES DURING WINTER CONSTRUCTION

- WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15
- WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME
- 3. EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
- CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE
- AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR 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 BI 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 REATED 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.
- 7.2. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%
- MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.
- DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT
- 0. 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.

CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED -INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE/EXIT (AS SHOWN)

- -INSTALLATION OF EROSION CONTROL BARRIER (SILT FENCE) (AS SHOWN)
- INSTALLATION OF INLET PROTECTION IN STREET (AS SHOWN)
- -DEMOLITION OF EXISTING SITE STRUCTURES (SEE DEMOLITION PLAN) -DEMOLITION OF EXISTING SITE PAVEMENT AND AMENITIES (SEE DEMOLITION PLAN)
- -CLEARING AND GRUBBING

-EARTHWORK AND EXCAVATION/FILLING AS NECESSARY

-CONSTRUCTION OF UTILITIES

-INSTALLATION OF BINDER COURSE PAVEMENT

-INSTALLATION OF INLET PROTECTION OF ON-SITE UTILITIES (AS SHOWN)

-STABILIZE PERMANENT LAWN AREAS AND SLOPES WITH TEMPORARY SEEDING

-CONSTRUCTION OF BUILDINGS

-CONSTRUCTION OF ALL CURBING AND LANDSCAPE ISLANDS AS INDICATED ON THE PLANS -SPREAD TOPSOIL ON SLOPED AREAS AND SEED AND MULCH

-FINAL GRADING OF ALL SLOPED AREAS

INSTALLED AS REQUIRED.

-INSTALLATION OF TOP COURSE PAVEMENT -LANDSCAPING PER LANDSCAPING PLAN

-REMOVE EROSION CONTROLS AS DISTURBED AREAS BECOME STABILIZED TO 70% STABILIZATION OR GREATER.

-PLACE 6" TOPSOIL ON SLOPES AFTER FINAL GRADING COMPLETED. FERTILIZE, SEED, AND MULCH SEED MIXTURE TO BE

SECTION 1201	CITY OF WEYMOUTH, MA LANDSCAPE REQUIREMENTS REQUIREMENTS CALCULATIONS/PRO				S CULATIONS/PROPO	DSED		RING	NY PURPOSE WITHOUT PROR WRITTE NSTRUCTION PURPOSES
ATTACH. 1:1 120-25.19	MINIMUN	M LANDSCAPING SHALL BE 25% (15%	CCOD)	31.5% OF THE SIT	E IS LANDSCAPEE)		G ENGINEE NG EMENT ECTURE SIGN VICES	ERVICES ae copred or used for AI shall be utuzed for co
SECTION 120: ATTACH. 1:1 120-25.17	LANDSC THE FRO (CCOD)	APE BUFFERS SHALL BE 5 FEET IN V ONTAGE (CCOD) AND 20 FEET ALONC	VIDTH ALONG G RESIDENTIAL	LANDSCAPE BUF REQUIREMENTS / AT 20'. WAIVER REQUES	FERS MEET DIMEN ALONG RESIDENTI TED FOR FRONTA	ISIONAL AL ABUTTERS GE.		CONSULTIN ID SURVEYI AM MANAG APE ARCHIT AINABLE DE TTING SER'	RTATION S REFARY AND SHALL NOT E GNED AND SEALED PLANS : DHLER
SECTION 120: ATTACH. 1:1 120-25.21	CHARGING STATIONS ARE REQUIRED FOR PARKING LOTS WITH 25 OR MORE SPACES. PARKING LOTS WITH 25-50 SPACES SHALL HAVE 1 CHARGING STATION. LOTS WITH 50-100 SPACES SHALL HAVE 2 CHARGING STATIONS. ONE ADDITIONAL CHARGING STATION SHALL BE ADDED FOR EACH ADDITIONAL 50 SPACES. BIKE RACKS ARE REQUIRED AT A QUANTITY OF 1 BIKE RACK PER 15% OF TOTAL RESIDENTIAL UNITS.			THERE ARE 118 F CHARGING STATI MEET THE REQUI THERE ARE 165 UNITS THERE WILL BE 1 THERE ARE 7 TO	ARKING SPACES. ONS PROPOSED C REMENTS. INITS. S IS 24.75 (ROUND BIKE RACK FOR E FAL BIKE RACKS P	THERE WILL BE 2 ON THE SITE TO UP TO 25). VERY 25 UNITS. ROPOSED.	JO	SITE CIVIL AND C LAN PROGR LANDSCA SUSTA	TRANSPO ESCA AND CONTENT OF THIS PLAN ARE PROP REZATION FROM BOHLER. ONLY APPROVED. SIG
SECTION 120: ATTACH. 1:1	ANY PORTION OF AN ABOVE-GROUND PARKING STRUCTURE FRONTING A PUBLIC WAY SHALL INCLUDE FACADE DETAILS AND LANDSCAPING TO MAINTAIN AN ATTRACTIVE STREETSCAPE. DUMPSTERS, HEATING, VENTILATION, AIR CONDITIONING, MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT			WAIVER REQUES DUMPSTERS, HE CONDITIONING, M PLUMBING EQUIF SCREENED WITH	TED. ATING, VENTILATIC IECHANICAL, ELEC MENT AND LOADII EVERGREEN LAN	DN, AIR CTRICAL AND NG DOCKS ARE DSCAPING.		REVISIONS	THE INFORMATION, I
SECTION 120: ATTACH. 1:1 120-62.1	VIEW. THE FRONT THE LOT REQUIR LANDSC HIGHWA IS APPR	ONT YARD AREA COMPRISING OF MI YARD SETBACK DEPTH AND MEASUR I WIDTH SHALL BE LANDSCAPED, EX ED ACCESS DRIVEWAYS AND WALKV APED DEPTH MAY BE REDUCED TO Y TRANSITION DISTRICT IF THE LANI OVED BY THE BUILDING INSPECTOR	N. REQUIRED RED ACROSS CEPT FOR VAYS. THE MIN. 15 FEET IN THE DSCAPE PLAN	WAIVER REQUES	TED.		REV DATE 1 01/04/21	COMMENT RDA SUBMISSION	DRAWN BY CHECKED B' NPD RMM
KEY	QTY.	LANDSCA. BOTANICAL NAME	PE SCH	EDULE ION NAME	SIZE	CONT.			
SHADE TREES ARA	2	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG CC	DLUMNAR RED MAPLE	2 1/2-3" CAL.	B+B			
AROG GTIK SUBTOTAL:	3 5 10	ACER RUBRUM 'OCTOBER GLORY' GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE'	OCTOBER G	LORY RED MAPLE	2 1/2-3" CAL. 2 1/2-3" CAL.	B+B B+B			
EVERGREEN TREES	23	JUNIPERUS VIRGINIANA	EASTERI	N RED CEDAR	8-10'	B+B		811	
PPG TOE	25 75	PICEA PUNGENS GLAUCA THUJA OCCIDENTALIS 'EMERALD'	COLORADO EMERALD GR	O BLUE SPRUCE REEN ARBORVITAE	7-8'	B+B B+B			
SUBTOTAL:	123						Kne	ow what's below. Call before you dig.	
DECIDUOUS SHRUBS CAE	13	CORNUS ALBA 'ELEGANTISSIMA'	VARIEGATED R	ED TWIG DOGWOOD	2-3'	B+B	Al It's fast	WAYS CALL 811	
DGN	17	DEUTZIA GRACILIS 'NIKKO'	COMPA	ACT DEUTZIA	18-24"	CONTAINER	11 5 1451	. It's free. It's the lay	<i>w</i> .
HMNB	14	HYDRANGEA MACROPHYLLA 'NIKKO BLUE'	NIKKO BLUE HOF	RTENSIA HYDRANGEA	18-24"	CONTAINER			
HQSQ SPMK	5	HYDRANGEA QUERCIFOLIA 'SNOW QUEEN' SYRINGA PATTULA 'MISS KIM'	SNOW QUEEN OAKLEAF HYDRANGEA		24-30" 24-30"	CONTAINER B+B			
SUBTOTAL:	69						THIS DRAWING IS I REVIEW AND APPROV DOCUMEN	NTENDED FOR MUNICIPAL AND/OF AL. IT IS NOT INTENDED AS A CO T UNLESS INDICATED OTHERWISE	READENCY
EVERGREEN SHRUBS	4	ILEX CRENATA 'HOOGENDORN'	HOOGENDORN JAPANESE HOLLY		15-18"	B+B	PROJECT No.:	_	W201012
ICSP	18	ILEX CRENATA 'SKY PENCIL'	SKY PENCIL HOLLY		3-4'	CONTAINER	DRAWN BY: CHECKED BY:		CFD RMM
IGCB IGS	38 51	ILEX GLABRA 'GEM BOX' ILEX GLABRA 'SHAMROCK'	DWARF INKBERRY HOLLY SHAMROCK INKBERRY HOLLY		18-24" 24-30"	CONTAINER B+B	CAD I.D.:	1. W2010	2/17/2020 12-LND-1
JCS	11	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER		3-4'	B+B	PROJECT:		
RBX	46	RHODODENDRON 'BIXBY'	SEA GREEN JUNIPER BIXBY RHODODENDRON		24-30" SPRD.	CONTAINER	PRO	POSED SIT	E
RKDVW	6	RHODODENDRON X KURUME 'DELAWARE VALLEY WHITE'	'DELAWARE VA	LLEY WHITE' AZALEA	18-24"	CONTAINER	PLAN	DOCUMEN	TS
	5	TAXUS X MEDIA 'DENSIFORMIS'	DENSIFORMIS YEW		24-30"	B+B			
GROUND COVERS JHBH SUBTOTAL:	9	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR (CREEPING JUNIPER	15-18" SPRD.	CONTAINER	Æ	ATLANTIC	T
PERENNIALS	17	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RE	TURNS DAYLILY	2 GAL	CONTAINER		1	
SUBTOTAL:	17						SENIC		,
ORNAMENTAL GRASS CAKF PAH SUBTOTAL:	ES 22 72 72 94	CALAMAGROSTIS ARUNDINACEA 'KARL FOERSTER' PENNISETUM ALOPECUROIDES 'HAMELN'	FEATHER DWARF FO	R REED GRASS DUNTAIN GRASS	2 GAL. 2 GAL.	CONTAINER	MAP LOTS # 1427 - CIT	#57, BLOCK #624, 12, 13, 29, 30, 31 & 1449 MAIN STREE Y OF WEYMOUTH	32 Г
							NOR	-OLK COUNTY, MA	
			SE	ED MIX I	XEY		BO	HLER	
				Ρ	ROPOSED HYD	PROSEED	352 SOUTH Pho www.Bol	TURNPIKE ROAD BOROUGH, MA 017 ne: (508) 480-9900 hlerEngineering.	72 com
							Matt	tor O. 1211	
		-					SHEET TITLE:	NDSCAP. PLAN	E
			20		20		SHEET NUMBE	C-701	
				1"= 20']		REV	ISION 1 - 01/04/21	

LANDSCAPE SPECIFICATIONS

1. <u>SCO</u>	DPE OF WORK:	LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEAT DURING THE FALL PLANTING SEASON:
1.1.	THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR	ACER RUBRUM PLATANUS X A BETULA VARIETIES POPULUS VAR
2. <u>MA</u>	<u>ERIALS</u>	CARPINUS VARIETIES PRUNUS VARIE CRATAEGUS VARIETIES PYRUS VARIET
2.1.	GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.	KOELREUTERIAQUERCUS VARLIQUIDAMBAR STYRACIFLUATILIA TOMENTO
2.2.	TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.	LIRIODENDRON TULIPIFERA ZELKOVA VAR 9.8 PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS. WITH
2.3.	LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM <u>6"</u> THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN	UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACKFILI
2.3.1.	LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.	9.8.2.1 PART COMPOSTED COW MANURE BY VOLUME
2.3.2.	SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.	9.8.3. 3 PARTS TOPSOIL BY VOLUME
2.4.	MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A <u>3"</u> THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES /DETAILS	9.8.4. 21 GRAMS 'AGRIFORM' PLANTING TABLETS (OR APPRO 9.8.4.1. 2 TABLETS PER 1 GALLON PLANT
2.5.	FERTILIZER	9.8.4.2. 3 TABLETS PER 5 GALLON PLANT 9.8.4.3. 4 TABLETS PER 15 GALLON PLANT
2.5.1.	FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.	9.8.4.4. LARGER PLANIS: 2'TABLE IS PER ½' CALIPER OF 9.9. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-WAY AN
2.5.2.	FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.	9.10. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF THE F THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED DIRECT
2.6.	PLANT MATERIAL	9.11. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALKWAYS
2.6.1.	ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN).	9.12. GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF HUR
2.6.2. 2.6.3	IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.	AREAS SHALL BE WEEDED AND TREATED WITH A PRE-EMER 9.13. NO PLANT, EXCEPT GROUND COVERS, GRASSES OR VINES,
0.0.4	VERIFICATION PURPOSES DURING THE FINAL INSPECTION.	9.14. ALL PLANTING AREAS AND PLANTING PITS SHALL BE MULCH THE TRUNK OF THE TREE OR SHRUB
2.6.4.	TREES WITH ABRASION OF THE BARK, SUNSCALLS, DISFIGURATION OR FRESHOUTS OF LIVES OVER 174, WHICH HAVE NOT BEEN COMPLETELY CALLUSED, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES	9.15. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATELY UP
2.6.5.	ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES,	10. TRANSPLANTING (WHEN REQUIRED)
2.6.6.	DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE. CALIPER MEASUREMENTS OF NURSERY GROWN TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE	10.1. ALL TRANSPEANTS SHALL BE DOG WITH INTACT ROOT BALL 10.2. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTING, THE DOLLAR SHALL SHA
	FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.	FROM EXTREME HEAT, SUN AND WIND. 10.3. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BETWEEN
2.6.7.	SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.	10.4. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDED WIT
3. <u>GE</u>	IERAL WORK PROCEDURES	10.5. TRANSPLANTS SHALL BE GUARANTEED FOR THE LENGTH OF10.6. F TRANSPLANTS DIE, SHRUBS AND TREES LESS THAN SIX IN
3.1.	CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.	BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH THE
3.2.	WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE	11. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUATELY II
4. <u>SIT</u>	E PREPARATIONS	TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BA SATURATED. WATERING SHALL CONTINUE AT LEAST UNTIL
4.1.	BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.	11.2. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON SITE NECESSARY WATER. THE USE OF WATERING BAGS IS RECO
4.2.	ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH COLLAR CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT ANY EXPOSED ROOTS SHALL BE CUT	11.3. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON THE SI SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S RESPON
	CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY.	12. <u>GUARANTEE</u>
43	CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.	12.1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLA APPROVING AGENCY. CONTRACTOR SHALL SUPPLY THE OV
7. TD	MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.	INSTALLATION WHICH WILL BE RELEASED AT THE CONCLUSI APPROVED BY THE OWNER OR AUTHORIZED REPRESENTAT
5.1.	<u>E PROTECTION</u> CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT	12.2. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED CONDUCTED AT THE FIRST SUCCEEDING PLANTING SEASON
	THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER. LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT TREE PROTECTION ZONE SHALL BE HONORED.	12.3. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CONTR/ SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERING AN
5.2.	A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY 'VISI-FENCE', OR APPROVED EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE BOUNDARY OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON	MATERIAL IN GOOD CONDITION AND FREE OF INSECTS AND 12.4. LAWNS SHALL BE MAINTAINED THROUGH WATERING, FERTI
5.3.	CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL. WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING,	REGARDING AND REPLANTING AS REQUIRED TO ESTABLISH
	TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.	13.1. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLATION
5.4.	AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.	MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE. ALL F 13.2. THE SITE SHALL BE CLEANED AND LEFT IN A NEAT AND ACC
6. <u>SOI</u>	L MODIFICATIONS	14. <u>MAINTENANCE (ALTERNATIVE BID):</u>
6.1.	CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.	14.1. A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE AT THE ENSURES TO THE OWNER/OPERATOR THAT THE NEWLY INS DIAN. ONCE THE INITIAL OD DAY MAINTENANCE PERIOD HAS
6.2.	LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.	MAINTENANCE BID FOR A MONTHLY MAINTENANCE PERIOD HAS MAINTENANCE BID FOR A MONTHLY MAINTENANCE CONTRA CONSIDERED APPROPRIATE TO ENSURE THAT PLANT AND L
6.3.	THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.	
6.3.1.	TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12". USE	
	WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.	
6.3.2.	TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX SUBSUIFACE DRAINACE LINES MAY NEED TO BE ADDED TO INCREASE DRAINACE	
6.3.3.	MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL	
7. <u>FIN</u>	MIX. SHED GRADING	
7.1.	UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.	
7.2.	LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST	
7.3.	ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED	
7.4.	WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING	
8. TO	WATER SHALL NOT BE PERMITTED IN PLANTING BEDS. SOILING	
8.1.	CONTRACTOR SHALL PROVIDE A <u>6"</u> THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A DREDADED SUBJACE IN A UNRODM LAYER TO ACHIEVE THE DESIDED COMPACIENT THROWNESS.	
8.2.	ON SOLE SHOULD BE STREAD OVER A FREE ARED SURFACE IN A UNIFORM LATER TO ACHIEVE THE DESIRED COMPACTED THICKNESS. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN	
8.3.	PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL FURNISH TO THE APPROVING AGENCY AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING	
	AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.	
8.4.	ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4")	
0/1	IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA - FOR BID PURPOSES ONLY [SEE SPECIFICATION 6.A.]):	
8.4.2.	20 POUNDS GRO-FOWER OR AFFROVED SOLL CONDITIONER/PERTILIZER 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER	
8.5.	THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.	
9. <u>PLA</u> 9.1.	NING INSOFAR THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE, LANDSCAPE	
	CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELD DRESERVE POOT MOISTURE	"ΝΑΤΙVE DETENTION ARFA ΜΙΧ" Δς ΡΡΕΡΔΡΕΠ Ρν
9.2.	HELF FRESERVE ROOT MODITIVE. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE	ERNST CONSERVATION SEEDS, INC.
9.3.	AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN. SHARP TOOLS ONLY IN HIRFD	8884 MERCER PIKE, MEADVILLE, PA 16335 APPLICA PHONE: 800-873-3321 / 814-336-2404
0.4	OR DISEASED BRANCHING SHALL BE REMOVED.	EMAIL: SALES@ERNSTSEED.COMMIX COMWEBSITE: WWW.ERNSTSEED.COM250% Pr250% Pr2100 Pr
J.4.	BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING.	240% PA 22.0% CA 21.0% EA
9.5.	POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.	6.0% AG ECOTYP
9.6.	PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS	1.0% JUN 1.0% PAI
	IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS:	
9.6.1. 962	PLANTS: MARCH 15 TO DECEMBER 15 LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1	
9.6.3.	PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING ACENCY FOR DOTENTIAL SUBSTRUCTIONS	
0.7	FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE UNUSUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPLANT SHOCK AND THE SEASONAL	
9.7.		

LIGHTING NOTES

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

NUMERIC SUMMARY											
LABEL		CALCTYPE	UNITS	AV	G	MAX	MIN	AVG/MIN	MAX/MIN		
FRONT PA	RKING	ILLUMINANCE	FC	2.95		16.5	0.1	29.50	165.00		
BACK PAR	KING	ILLUMINANCE	FC	2.9	8	16.3	0.1	29.80	163.00		
LUMINAIRE SCHEDULE									R	T REV	
SYMBOL	QTY	ARRANGEMENT	LUMENS	LLF		DESCRIPTION					
₽ A	5	SINGLE	17901	0.90	LSI MO	LSI LIGHTING SLICE MEDIUM LED AREA LIGHT MOUNTED @ 15'; SLM-LED-18L-SIL-FT-30-70CRI					PR DF
С≓Д В	4	SINGLE	17901	0.90	LSI SH	I LIGHTING SLI IELD MOUNTE	CE MEDIUM I D @ 15'; SLM	LED AREA LIGH -LED-18L-SIL-FI	T WITH I-30-70CRI-IH		CH DA
D⊕⊡c	2	DOUBLE @ 180	17901	0.90	LSI MO	I LIGHTING SLI DUNTED @ 15';	CE MEDIUM I SLM-LED-18	LED AREA LIGH L-SIL-FT-30-70C	T RI		CA
фП р	1	DOUBLE @ 90	17901	0.90	LSI MO	I LIGHTING SLI DUNTED @ 15';	CE MEDIUM I SLM-LED-18	LED AREA LIGH L-SIL-FT-30-70C	T RI		PR

AREA LIGHT DETAIL

NOTE: THIS DETAIL IS FOR BID AND BUDGETARY PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A FOUNDATION DESIGN PREPARED BY A QUALIFIED STRUCTURAL ENGINEER CONSIDERING LIGHTING MANUFACTURER REQUIREMENTS, LOCAL WIND LOADS AND SITE SPECIFIC SOIL PARAMETERS.

 SOME SITE CONDITIONS AND/OR LOCATIONS MAY REQUIRE VIBRATION DAMPENING MEASURES AS DETERMINED BY A STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF THE INTENT TO MOUNT ANYTHING O THE POLE, ASIDE FROM THE LIGHT FIXTURES, INCLUDING BUT NOT LIMITED TO CAMERAS, BANNERS, FLAGS, SIGNAGE, ETC. AS IT WILL IMPACT THE POLE AND FOUNDATION DESIGN.

> THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY

SHEET TITLE:

SHEET NUMBER:

C-703

REVISION 1 - 01/04/21

ERENG.NET\SHARES\MA-PROJECTS\20\W201012\DRAWINGS\PLAN SETS\REV1\W201012-CVL-1----->LAYOUT: C-901

PART #	STUB	В	С
MC4500REPE06T	6" (150 mm)	42.54" (1.081 m)	
MC4500REPE06B	0 (150 mm)		0.86" (22 mm)
MC4500REPE08T	9" (200 mm)	40.50" (1.029 m)	
MC4500REPE08B	o (200 mm)		1.01" (26 mm)
MC4500REPE10T	10" (250 mm)	38.37" (975 mm)	
MC4500REPE10B	10 (250 mm)		1.33" (34 mm)
MC4500REPE12T	12" (200 mm)	35.69" (907 mm)	
MC4500REPE12B	12 (300 mm)		1.55" (39 mm)
MC4500REPE15T	15" (275 mm)	32.72" (831 mm)	
MC4500REPE15B	15 (375 mm)		1.70" (43 mm)
MC4500REPE18TC	18" (150 mm)	29.36" (746 mm)	
MC4500REPE18BC	10 (450 mm)		1.97" (50 mm)
MC4500REPE24TC	24" (600 mm)	23.05" (585 mm)	
MC4500REPE24BC	24 (000 mm)		2.26" (57 mm)
MC4500REPE30BC	30" (750 mm)		2.95" (75 mm)
MC4500REPE36BC	36" (900 mm)		3.25" (83 mm)
MC4500REPE42BC	42" (1050 mm)		3.55" (90 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL

CUSTOM PRECORED INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-4500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm)

THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHTEST POSSIBLE FOR THE PIPE SIZE.

- 1. MC-4500 CHAMBERS SHALL SPECIFICATION FOR POLYF CHAMBERS".
- 2. MC-4500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- MATERIALS.
- OF THE STORMTECH CHAMBERS FOR THIS PROJECT.
- VERTICAL AND SLOPED EXCAVATION WALLS.

CONFORM T	ΤΟ	HE REQUIREMENTS OF ASTM F2418 "STANDARD	
ROPYLENE (PP)	CORRUGATED WALL STORMWATER COLLECTION	

3. "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL

4. THE "SITE DESIGN ENGINEER" REFERS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN AND LAYOUT

5. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.

6. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH

7. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

	MATERIAL LOCATION	DESCRIPTION			
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOIL ENGINEER'S PLANS. CHECK PLANS FOR F SUBGRADE REQUIREMENTS.			
С	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE M FINES OR PROCESSED AGGREGA MOST PAVEMENT SUBBASE MATERIALS CAN E OF THIS LAYER.			
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NON DISTRIBUTION BETWEEN 3/4-2 INCH (20			
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM)	CLEAN, CRUSHED, ANGULAR STONE, NON DISTRIBUTION BETWEEN 3/4-2 INCH (20			

ANGULAR NO. 4 (AASHTO M43) STONE".

A.1.	REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
A.2.	REMOVE AND CLEAN FLEXSTORM FILTER IF INSTAI

STORMTECH MC-4500

REFERENCES:

- 1. THE TAX ASSESSOR'S MAP OF WEYMOUTH. NORFOLK COUNTY. MAP 57.
- MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, NORFOLK COUNTY, MASSACHUSETTS (ALL JURISDICTIONS) PANEL 239 OF 430," MAP NUMBER 25021C0239E, EFFECTIVE DATE: JULY 17, 2012.
- MAP ENTITLED "PLAN OF LAND IN WEYMOUTH, MASSACHUSETTS PREPARED FOR RYDER DEVELOPMENT CORPORATION", PREPARED BY: SITEC, INC., DATED: JULY 11, 2005, RECORDED WITH THE NORFOLK COUNTY REGISTRY OF DEEDS AS PLAN 83 OF 2005, IN PLAN BOOK 542.
- MAP ENTITLED "DIVISION OF LAND IN WEYMOUTH. MA, 428 POND STREET MAP 57 BLOCK 624 LOT 3 PREPARED FOR: OWNERS STEVEN & KATIE KELLEM 428 POND STREET WEYMOUTH, MA PHONE: 781-340-1123", PREPARED BY: THE DECELLE GROUP (SURVEY DIVISION), DATED: JUNE 21, 2001, LAST REVISED: DECEMBER 14, 2001, RECORDED WITH THE NORFOLK COUNTY REGISTRY OF DEEDS AS PLAN 715 OF 2001, IN PLAN BOOK 491.
- MAP ENTITLED "PLAN OF LOTS POND STREET WEYMOUTH, MASS. MADE FOR PINE REALTY TRUST", PREPARED BY: PERKINS ENGINEERING ASSOCIATES, ROCKLAND, MASS., DATED: OCTOBER 6, 1964, RECORDED WITH THE NORFOLK COUNTY REGISTRY OF DEEDS IN PLAN BOOK 4219 PAGE 340.
- MAP ENTITLED "PLAN OF SUBDIVISION OF LAND IN WEYMOUTH MASS.", PREPARED BY: VICTOR F. COLETTI, DATED FEBRUARY 28, 1955, RECORDED WITH THE NORFOLK COUNTY REGISTRY OF DEEDS AS PLAN 324 OF 1955 BOOK 3352, PAGE 550.
- MAP ENTITLED "PROJECT: PROPOSED CONDOMINIUM EXPANSION 1435 MAIN STREET WEYMOUTH, MASSACHUSETTS CLIENT: RYDER DEVELOPMENT CORPORATION 847 WASHINGTON STREET WEYMOUTH, MASSACHUSETTS DRAWING TITLE: ALTERNATE SITE PLAN", PREPRED BY: SITEC ENVIORMENTAL, DATED: AUGUST 13, 2019.
- SKETCH PROVIDED TO CONTROL POINT ASSOCIATES ENTITLED "1449 REALTY TRUST TOM CLEARY, 1445 MAIN STREET, WEYMOUTH. PRE SCHOOL CLASSROOMS.".
- PLAN SET ENTITLED "MASSACHUSETTS DEPARTMENT OF TRANSPORTATION PLAN OF ROAD IN THE CITY OF WEYMOUTH NORFOLK COUNTY ALTERED AND LAID OUT AS A STATE HIGHWAY BY THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION", DATED: SEPTEMBER 28, 2016, ON FIEL WITHTHE DEPARTMENT OF TRANSPORTATION AS LAYOUT NO. 8326.
- MAP ENTITLED "EASEMENT PLAN IN WEYMOUTH, MASSACHUSETTS PREPARED FOR RYDER DEVELOPMENT 10. CORPORATION", PREPARED BY SITEC, INC., DATED: AUGUST 2, 2005, LAST REVISED: JULY 6, 2006, RECORDED WITH THE NORFOLK COUNTY REGISTRY OF DEEDS AS PLAN 23 OF 2006 IN PLAN BOOK 557.
- 11. UNDERGROUND GAS FACILITY MAPPING PROVIDED BY NATIONAL GRID.
- 12. UNDERGROUND ELECTRIC FACILITY MAPPING PROVIDED BY NATIONAL GRID.
- 13. MAP ENTITLED "RYDER DEVELOPMENT CORP. BUILDING PERMIT PLAN, MAP 57, BLOCK 624, LOT 13, 1433 & 1435 MAIN STREET, WEYMOUHT, MASSACHUSETTS," PREPARED BY SITEC, INC., DATED JUNE 29, 2004.
- 14. MAP ENTITLED "SEWER RECORD PLAN, #1427-1445 MAIN ST.," PREPARED BY CITY OF WEYMOUTH DEPARTMENT OF PUBLIC WORKS, DATED FEBRUARY 10, 2009.
- 15. SEWER TIE CARDS PROVIDED BY CITY OF WEYMOUTH DEPARTMENT OF ENGINEERING.
- 16. UNDERGROUND WATER FACILITY MAPPING PROVIDED BY CITY OF WEYMOUTH DEPARTMENT OF ENGINEERING.
- 17. MAP ENTITLED "BUILDING PERMIT PLAN, RYDER DEVELOPMENT CORP, MAP 57, BLOCK 624, LOT 13, 1433 & 1435 MAIN STREET, WEYMOUTH, MASSACHUSETTS," PREPARED BY SITEC, INC., DATED JUNE 29, 2004.

EXHIBIT "A":

THE FOLLOWING DESCRIBED LAND IN WEYMOUTH, NORFOLK COUNTY, MASSACHUSETTS: THE LAND SHOWN AS LOTS 2, 3, 4 AND 5 ON A PLAN ENTITLED "PLAN OF LAND IN WEYMOUTH, MASSACHUSETTS, PREPARED FOR RYDER DEVELOPMENT CORPORATION, SCALE 1"=30', DATED JULY 11, 2005, SITEC, INC.," RECORDED WITH NORFOLK REGISTRY OF DEEDS PLAN BOOK 542, PLAN 83 OF 2005. TOGETHER WITH THE BENEFIT OF ACCESS AND PARKING EASEMENT SET FORTH IN DEED FROM RYDER DEVELOPMENT CORP. TO BROCTON AREA MULTI-SERVICES, INC. DATED FEBRUARY 15, 2006 AT BOOK 23401, PAGE

NOTES:

- 1. PROPERTY KNOWN AS LOTS 12, 29, 30, 31 & 32 AS SHOWN ON THE CITY OF WEYMOUTH, NORFOLK COUNTY, COMMONWEALTH OF MASSACHUSETTS; MAP NO. 57.
- 2. AREA: LOT 12 = 37,097 SQUARE FEET OR 0.852 ACRES LOT 29 = 6,522 SQUARE FEET OR 0.150 ACRES LOT 30 = 9.156 SQUARE FEET OR 0.210 ACRES LOT 31 = 52,221 SQUARE FEET OR 1.199 ACRES LOT 32 = 14,963 SQUARE FEET OR 0.344 ACRES TOTAL = 119,959 SQUARE FEET OR 2.755 ACRES
- 3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
- 4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
- 5. THIS SURVEY WAS PREPARED WITH REFERENCE TO A COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, HAVING A COMMITMENT NO. 20-0026KC-FN, WITH AN EFFECTIVE DATE OF FEBRUARY 2, 2020, WHERE THE FOLLOWING RELATED EXCEPTIONS APPEAR IN SCHEDULE B - SECTION II:

GENERAL EXCEPTIONS 1 THROUGH 5 ARE NOT SURVEY RELATED AND HAVE NOT BEEN COMMENTED ON AS A PART OF THIS SURVEY. (6) THE QUANTITY OF ACREAGE, SQUARE FOOTAGE OR AREA OF THE LAND - SEE NOTE #2.

- (7) GRANT OF EASEMENT BY RYDER DEVELOPMENT CORP. TO VERIZON NEW ENGLAND, INC. DATED DECEMBER 9, 2005, RECORDED WITH SAID DEEDS, BOOK 23229, PAGE 28 - ELECTRIC LINE TRANSMISSION EASEMENT; BLANKET IN NATURE.
- (8) EASEMENT TO COMCAST OF GEORGIA/MASSACHUSETTS, INC. DATED FEBRUARY 28, 2006, RECORDED WITH SAID DEEDS, BOOK 23553, PAGE 265 - ELECTRIC LINE TRANSMISSION EASEMENT; BLANKET IN NATURE.
- (9) EASEMENTS SET FORTH AND RESERVED IN A DEED FROM RYDER DEVELOPMENT CORP., DATED FEBRUARY 15, 2006, RECORDED WITH SAID DEEDS, BOOK 23401, PAGE 163 - ACCESS & PARKING EASEMENTS SHOWN HEREON
- (10) TAKING BY THE COMMONWEALTH OF MASSACHUSETTS HIGHWAY COMMISSION, LAYOUT NO. 8326 OF A STATE HIGHWAY KNOWN AS MAIN STREET (ROUTE 18) RECORDED IN BOOK 34600, PAGE 1 - TAKING SHOWN HEREON.
- (11) GRANT OF EASEMENT BY RYDER DEVELOPMENT CORP. TO TOWN OF WEYMOUTH DATED JULY 12, 2006 AND RECORDED AT BOOK 23868, PAGE 221; SEE ALSO PLAN AT PLAN BOOK 557, PLAN 23 - APPROXIMATE LOCATION OF SEWER EASEMENT SHOWN HEREON.
- (12) GRANT OF EASEMENT BY RYDER DEVELOPMENT CORP. TO MASSACHUSETTS ELECTRIC COMPANY DATED FEBRUARY 2, 2006 AND RECORDED AT BOOK 23474, PAGE 273 - ELECTRIC LINE TRANSMISSION EASEMENT; ELECTRIC EQUIPMENT SHOWN HEREON.
- 6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X-UNSHADED (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. #2
- 7. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS) TAKEN AT THE TIME OF THE FIELD SURVEY.

TEMPORARY BENCH MARKS SET: TBM-A: X-MARK IN BOLT OVER MAIN OUTLET OF HYDRANT ON EASTERLY SIDE OF MAIN STREET. ELEVATION = 172.78'

TBM-B: MAG NAIL SET IN ASPHALT PAVEMENT. ELEVATION = 164.35'

PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.

- 8. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE,
- PERMANENT ADDITION, ETC.
- 9. PROPERTY HAS DIRECT ACCESS TO MAIN STREET. 10. PARKING COUNT: REGULAR = 16 SPACES
 - RESERVED = 0 SPACES TOTAL = 16 SPACES
- 11. NO ENCROACHMENTS OBSERVED AT TIME OF SURVEY.

SEE SHEET 2 OF 2 FOR SITE FEATURES & TOPOGRAPHY

ED TO: T E INSURANCE COMPANY			UPDATED PER CLIENT COMMENTS -			-	R.J.K.	G.L.H.	12-7-2020
			UNDERGROUND WATER LINE ADDED			-	R.J.K.	G.L.H.	11-2-2020
		UPDATED PER ADDITIONAL TOPOGRAPHY & UTILITIES		C.W.	R.J.K.	G.L.H.	10-28-2020		
		UPDATED PER ADDITIONAL ROAD TOPOGRAPHY			B.S.B.	R.J.K.	G.L.H.	10-13-2020	
		. DESCRIPTION OF REVISION		FIELD CREW	DRAWN:	APPROVED:	DATE		
T THIS MAP OR PLAT AND THE SURVEY D WERE MADE IN ACCORDANCE WITH THE RD DETAIL REQUIREMENTS FOR SURVEYS", JOINTLY ESTABLISHED AND NSPS, AND INCLUDES ITEMS 7, 8, 9 & 13 HE FIELDWORK WAS COMPLETED ON DOCUMENT UNLESS EMBOSSED		DATE 0-2020 02-2020 0 BOOK NO. 11 MA 11 MA 0 BOOK PG. 0	ALTA/NSPS LAND TITLE SURVEY ATLANTIC DEVELOPMENT 1431, 1433, 1435, 1437 & 1449 MAIN STREET LOTS 12, 29, 30, 31 & 32, BLOCK 624, MAP 57 CITY OF WEYMOUTH, NORFOLK COUNTY COMMONWEALTH OF MASSACHUSETTS					Г	
12-7-2020	FIELD B.S DRAV C.N	0 CREW 5.B. VN: 1.S	CONTROL POINT A S S O C I A T E S, 352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772 508.948.3000 - 508.948.3003 FAX I N C. ALBANY, NY 518-217-5010 CHALFONT, PA 215-712-9800 HAUPPAUGE, NY 631-580-2645 MANHATTAN, NY 646-780-0411 MT LAUREL, NJ 609-857-2099 WARREN, NJ 908-668-0099						
OLDRIGHT, PLS	REVIE	EWED:	APPROVED:	DATE	SCALE	FILE NO.		DWG. NO	
ESSIONAL LAND SURVEYOR #49211	R.J	.K.	G.L.H.	9-24-2020	1"=40'	03-20	00193	1 O	F 2

	LEGEND					
124	EXISTING CONTOUR					
× 123.45	EXISTING SPOT ELEVATION					
× TC 123.45	EXISTING TOP OF CURB ELEVATION	N				
× G 122.95	EXISTING GUTTER ELEVATION					
OH G	APPROX. LOC. UNDERGROUND GAS	S LINE				
——— E ———	APPROX. LOC. UNDERGROUND ELE	ECTRIC LINE				
<i>S</i>	APPROX. LOC. UNDERGROUND SAM	NITARY / SEWER LINE				
₩ UP # →	APPROX. LOC. UNDERGROUND WA	TER LINE				\setminus
<i>"</i>	AREA LIGHT					\backslash
MW 🗅	MONITORING WELL					N
• • • •	BOLLARD METAL GUIDE RAIL					
<	PAINTED ARROWS					
CL						
EO	C EDGE OF CONCRETE					
LS	LANDSCAPED AREA					
(TYF S) TYPICAL SANITARY/SEWER MANHOLE					
WF) M	UNKNOWN MANHOLE					
	CATCH BASIN OR INLET					
	PARKING SPACE COUNT					
SW	SOLID WHITE LINE					
SY	SOLID YELLOW LINE			N	\setminus	
BLD	BUILDING				λ	
BFP	BUILDING FOOTPRINT AREA				$\mathbf{\hat{\lambda}}$	
MB					\backslash	
GR BC	BOTTOM ELEVATION				\backslash	
					\backslash	
					\backslash	
						17" W
					W/ CAP FOUND	<u>N18°41'4/</u> N18°41'4/
				MAP 57, LOT 10	T COND	
					177.44	
						177.6 ³)
					10' STOCKADE	
					FENCE	
					APPROX LOC OF	
					AG SEWER MH & UG SERWER LINE	
				(†	PER REF #14 & #15) / ^{175.} (NFV-SEE NOTE #3)	⁹⁵ 15.4 (49.)
					175.49	
					+	
						5,5 ↓ ¹ / _{174.29}
						F
					175.3	4
					~	4.65
						510
						12
						174.78
						N to
					SUUS	201'38"W
						163.94'
						UP#175
					· -	173,79 1 - 177,60
			DMH		<i>0</i>	173.72 ASPHALT WALK
OR IS PR			RIM=174.04 INV(A)=168.3			TC 173.21 CB UP#
			= D = = = = = = = = = = = = = = = = = =	$=$ $=$ $=$ $=$ $=$ $\frac{12''}{2}$ $\frac{RCP}{2}$ $=$	= = = = = = = -	= = = =
JAL PR		12 КСР А	В			9'58'34"E =
T ASSC ASSC				10" PVC B	<u>10" PVC</u>	
				-0		11/5
		232+00		ылт — 231+00 RIM=174.03 231+00 INV(A)=168.2	APPROX LOC OF	173.00 230+00 ЛМН
O D THE				INV(B)=168.3	(UTILITY MARKOUT) (SEE NOTE#3)	<i>RIM=173.09</i> → <i>YELLOW</i> - <i>RIM=173.09</i> → <i>STRIPING</i> <i>INV(A)=168.9</i> 173. ⁴⁵
SION NOT STATE					,	IW(B)=168.3 IW(C)=167.4 IW(C)=167.7 — -173 — -
ERIC PERMI:						
						TC 173.58 6 172.63
						×173.62
WITHC						
		GRA	APHIC SCAL	Ε		
	30'	0 15' 3	U' 60'		120'	
			(IN FEET) 1 inch = 30' ft.			

173.4

UP#174 -

12" RCP

TC 173.34 G 172.54

17340

