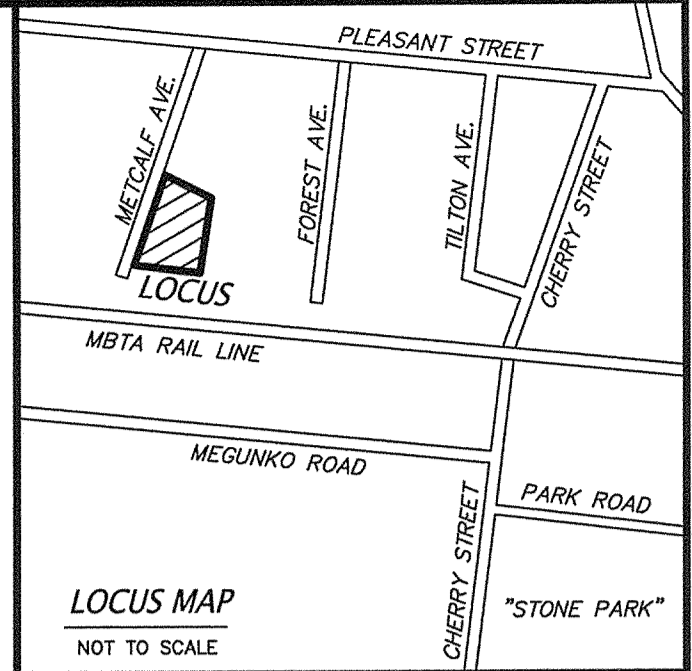


GENERAL NOTES:

- EXISTING TOPOGRAPHY IS BASED UPON A FIELD SURVEY BY CONNORSTONE ENGINEERING IN JUNE 2019. VERTICAL DATUM IS BASED UPON NAVD83. PROPERTY LINES SHOWN ARE APPROXIMATE BASED UPON PLANS AND DEEDS OF RECORD, AND DOES NOT REPRESENT A BOUNDARY SURVEY. LEGAL STATUS OF EASEMENTS AND WAYS, NOT DETERMINED BY THIS SURVEY.
- THE LOT SHOWN IS NOT WITHIN THE 100 YEAR FEDERAL FLOOD HAZARD AREA AS SHOWN ON THE FLOOD INSURANCE RATE MAPS FOR THE TOWN OF ASHLAND, COMMUNITY PANEL NO. 2501700514F, DATED JULY 7, 2014.
- THERE ARE NO WETLANDS ON-SITE.
- EXISTING UTILITY LINES SHOWN ON THIS DRAWING ARE FROM AVAILABLE INFORMATION AND ARE APPROXIMATE LOCATIONS. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR THAT ALL UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY SIZE, LOCATION, CONDITION, AND INVERT ELEVATIONS OF THE UTILITIES AND STRUCTURES, AS REQUIRED, PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT DIG SAFE: 1-800-344-7233 (72 HOURS BEFORE DIGGING).
- REFERENCES: ASSESSORS MAP 13, PARCEL 90 DEED BOOK 71572, PAGE 50 PLAN 157 OF 1964
- THE WATER AND SEWER CONNECTIONS SHALL BE INSTALLED IN COMPLIANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE ASHLAND DEPARTMENT OF PUBLIC WORKS. CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH APPLICABLE PERMITS (TO BE OBTAINED BY THE CONTRACTOR).
- ALL MATERIALS AND CONSTRUCTION PRACTICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MASSACHUSETTS HIGHWAY DEPARTMENT (MHD) CONSTRUCTION STANDARDS AND THE MHD "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES", OR LOCAL MUNICIPALITY STANDARDS, WHICHEVER IS MORE STRINGENT.
- ELECTRIC, GAS, TELEPHONE AND CATV UTILITY CONNECTIONS AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY.
- WORK WITHIN THE HIGHWAY LAYOUT SHALL CONFORM TO THE CONDITIONS OF THE PERMIT ISSUED BY THE LOCAL AUTHORITY AS APPROPRIATE.
- THE CONTRACTOR SHALL UTILIZE ALL MEASURES AND MATERIALS NECESSARY TO ENSURE THE SAFETY OF ALL PERSONS AND PROPERTIES AT THE SITE DURING CONSTRUCTION. ALL EXCAVATIONS SHALL CONFORM TO CURRENT OSHA STANDARDS.
- ALL RAMP, CURB CUTS, SIDEWALKS, AND ACCESSIBLE SPACES SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT REGULATIONS AND WITH ARCHITECTURAL ACCESS BOARD REGULATIONS (521 CMR 1-47).
- PRIOR TO CONSTRUCTION, ALL BUILDING DIMENSIONS, ELEVATIONS, AND UTILITY CONNECTIONS SHALL BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER AND OWNER.

ASHLAND STORMWATER MANAGEMENT REGULATION NOTES

- SEC. 7.6.10.8 LOCATIONS OF EXISTING AND PROPOSED AREA ON SITE WITH THE SHORTEST DISTANCE BETWEEN THE SURFACE AND THE MAXIMUM GROUNDWATER ELEVATION. EXISTING/PROPOSED: 36"± THROUGHOUT SITE.
- SEC. 7.6.10.9 NEAREST PUBLIC WELLS:
 > 2 MILES - PWSID 2139008-02C TOWN OF HOPKINTON
 > 2 MILES - PWSID 2139004-01G NON-COMMUNITY WELL
 NO KNOWN PRIVATE WELLS ON ADJACENT PARCELS
- SEC. 7.6.13 EARTH REMOVAL/FILL CALCULATIONS:
 NET FILL = 160± CU.YDS.
- SEC. 7.6.10.3 LOT AREA TABULATION:
 TOTAL LOT AREA = 12,540 S.F. = 0.29± ACRES
 TOTAL UPLAND AREA = 0.29± ACRES (100%)
 TOTAL WETLAND AREA = 0 ACRES (0%)
 TOTAL FLOODPLAIN AREA = 0 ACRES (0%)
 EXISTING IMPERVIOUS ON-SITE = 10,525 S.F. = 0.24± ACRES (84%)
 PROPOSED IMPERVIOUS ON-SITE = 10,385 S.F. = 0.24± ACRES (83%)
 EXISTING OPEN SPACE (PERVIOUS) = 2,015± S.F. = 0.05± ACRES (17%)
 PROPOSED OPEN SPACE (PERVIOUS) = 2,155± S.F. = 0.05± ACRES (17%)
 EXISTING UNDISTURBED AREA = 0 S.F. = 0 ACRES (0%)
 PROPOSED UNDISTURBED AREA = 0 S.F. = 0 ACRES (0%)



ZONING REQUIREMENTS:
 ZONED: INDUSTRIAL (I)
 PHOTOVOLTAIC OVERLAY
 ADD "A" OVERLAY
 AREA = 30,000 s.f.
 FRONTAGE = 150 feet
 SETBACKS: FRONT = 40 feet
 SIDE = 30 feet
 REAR = 30 feet

PROPOSED USE: CONTRACTOR GARAGES

PARKING SUMMARY:
 PARKING CATEGORY: OTHER (REQUIRED PARKING TO BE DETERMINED BY THE PLANNING BOARD)
 TOTAL PROPOSED PARKING = 4 SPACES
 TOTAL NUMBER OF UNITS = 1
 PARKING PER UNIT = 3 SPACES



OWNER / APPLICANT:
 JUDITH BARBIERI
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 FRAMINGHAM, MA

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PROPOSED SITE PLAN
 OF
 10-12 METCALF AVENUE
 IN
 ASHLAND, MA

REVISED: DESCRIPTION:
 DRAWN BY: REM CHECK BY: VC
 DATE: SEPTEMBER 25, 2020
 SCALE: 1"=20' SHEET 1 OF 2.

TEST HOLE SOIL LOGS

TP-1 3/27/19		
0-28"		FILL
28-40"	Ap	SANDY LOAM 10YR3/3
40-48"	Bw	SANDY LOAM 10YR5/6
48-90"	C1	SANDY LOAM 2.5Y5/4

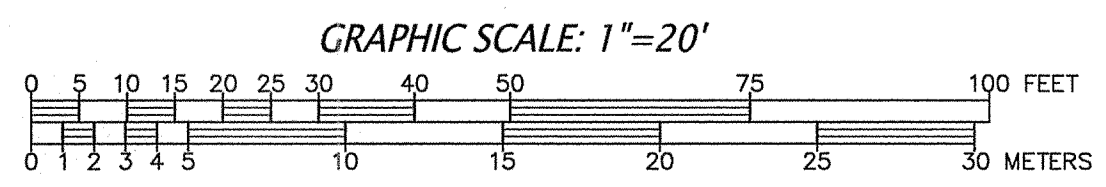
MOTTLES AT 36", WATER AT 48"
EST. SEASONAL GW=190.6

TP-3 3/27/19		
0-32"		FILL
32-34"	Ap	SANDY LOAM 10YR3/3
34-36"	Bw	SANDY LOAM 10YR5/6
36-84"	C1	SANDY LOAM 2.5Y5/4

MOTTLES AT 36", WATER AT 60"
EST. SEASONAL GW=191.3

TP-2 3/27/19		
0-24"		FILL
24-32"	Ap	SANDY LOAM 10YR3/3
32-34"	Bw	SANDY LOAM 10YR5/6
34-62"	C1	SANDY LOAM 2.5Y5/4
62-96"	C2	SANDY LOAM

MOTTLES AT 32", WATER AT 52"
EST. SEASONAL GW=191.3

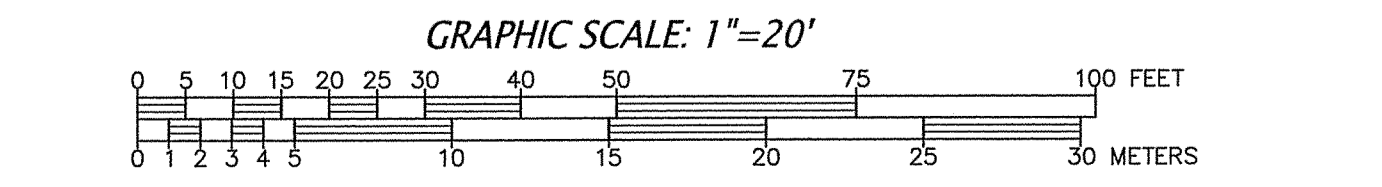
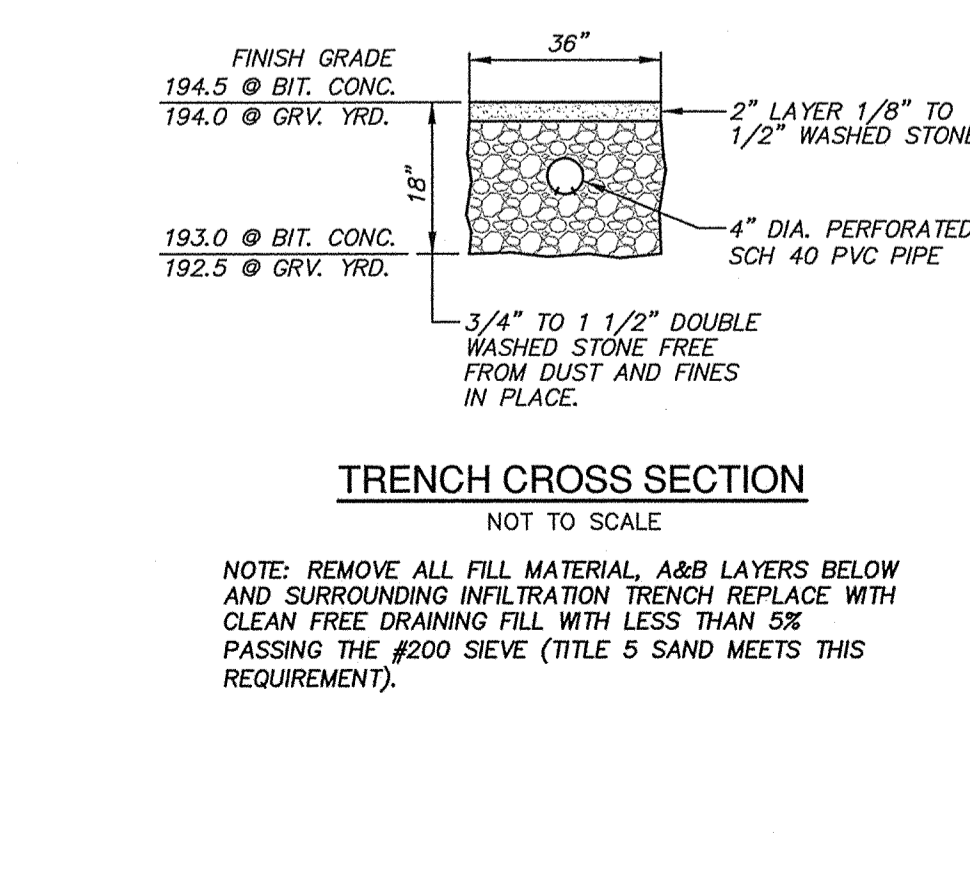
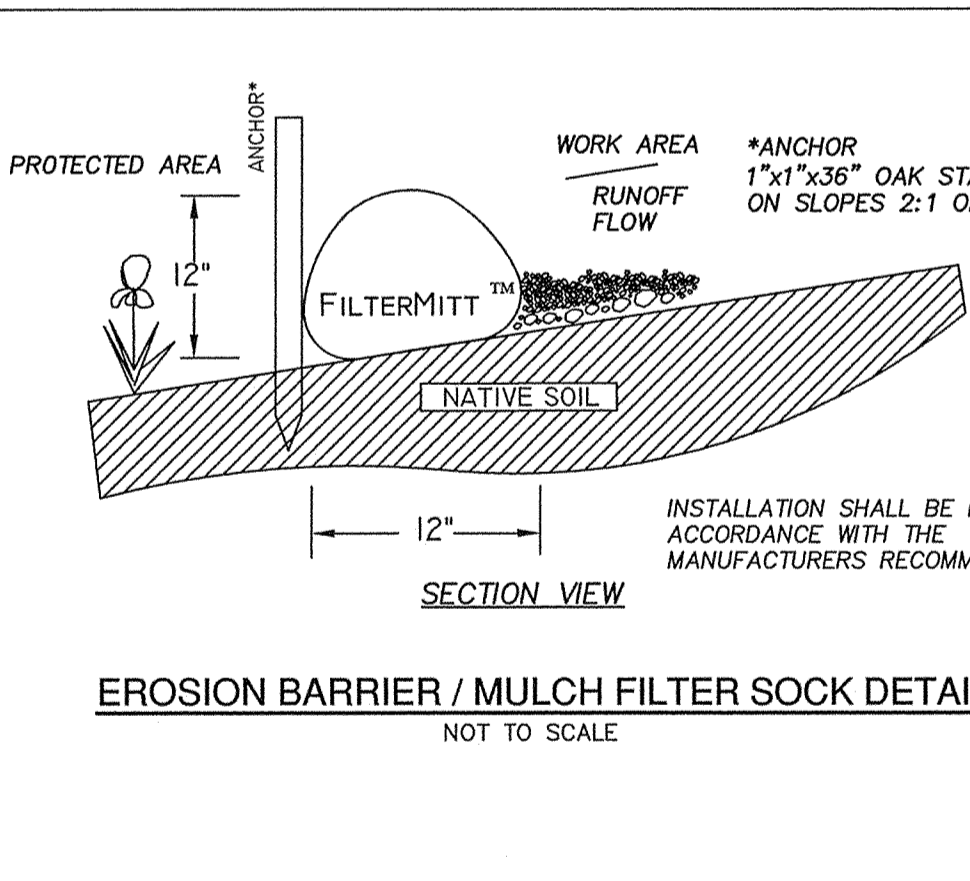
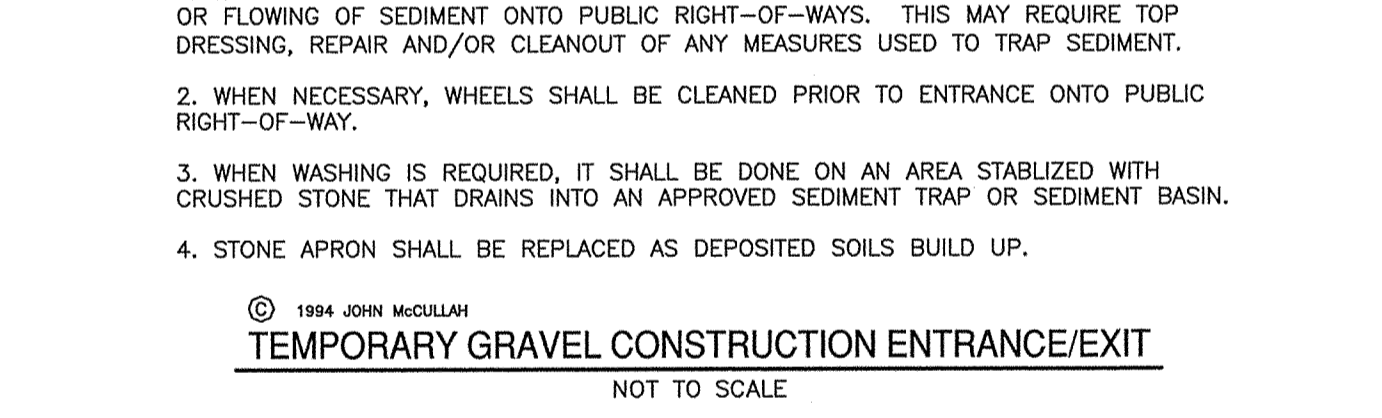
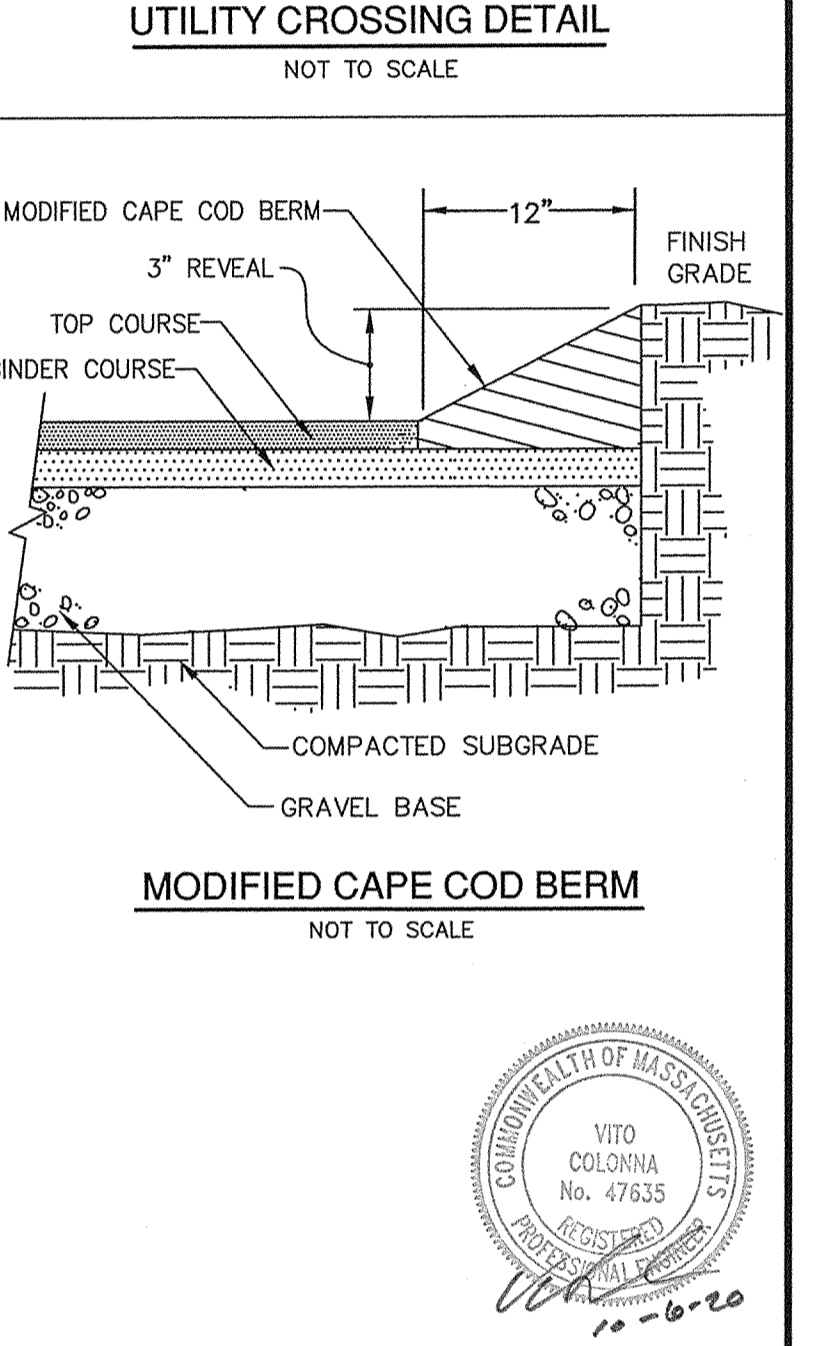
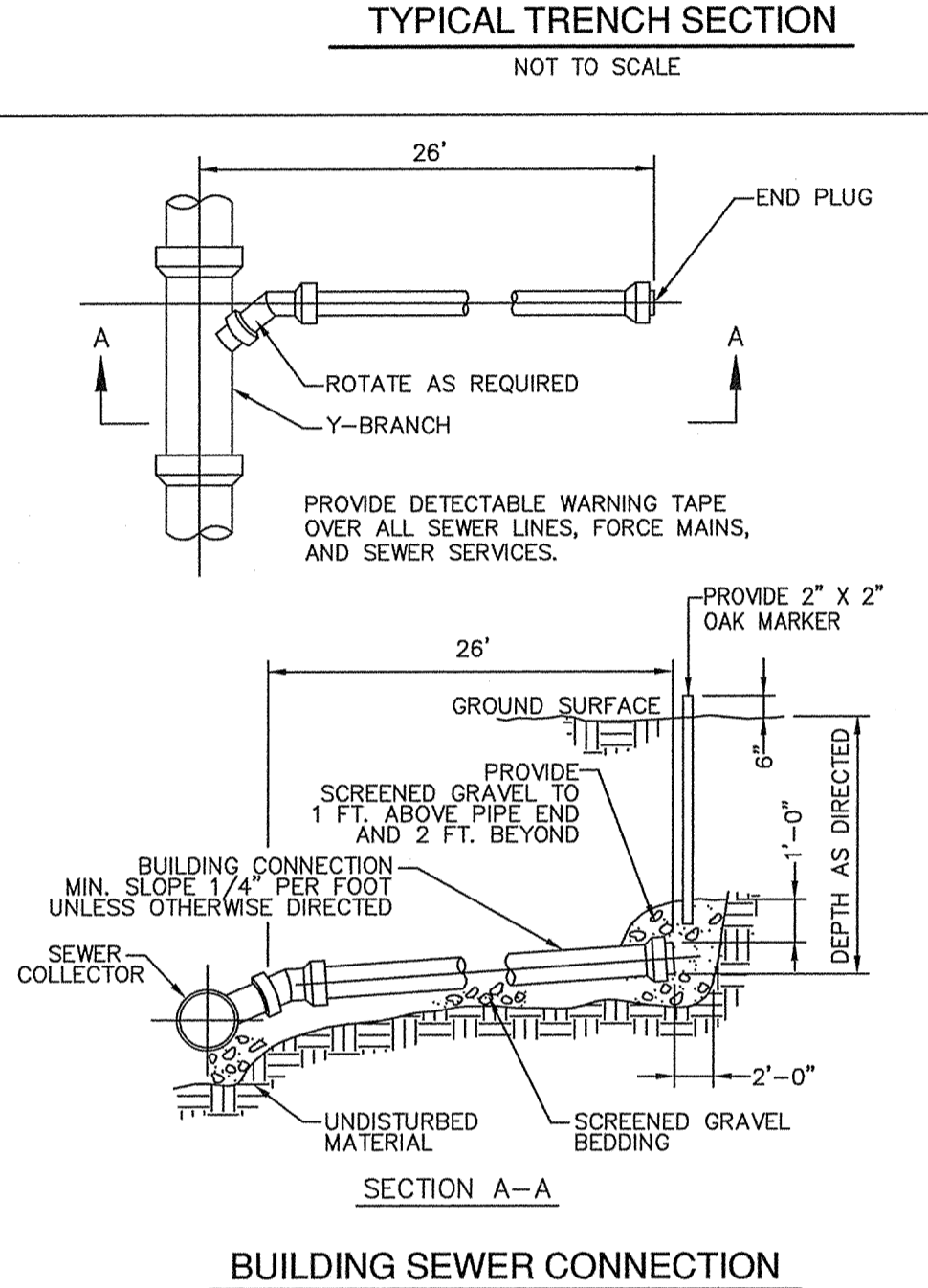
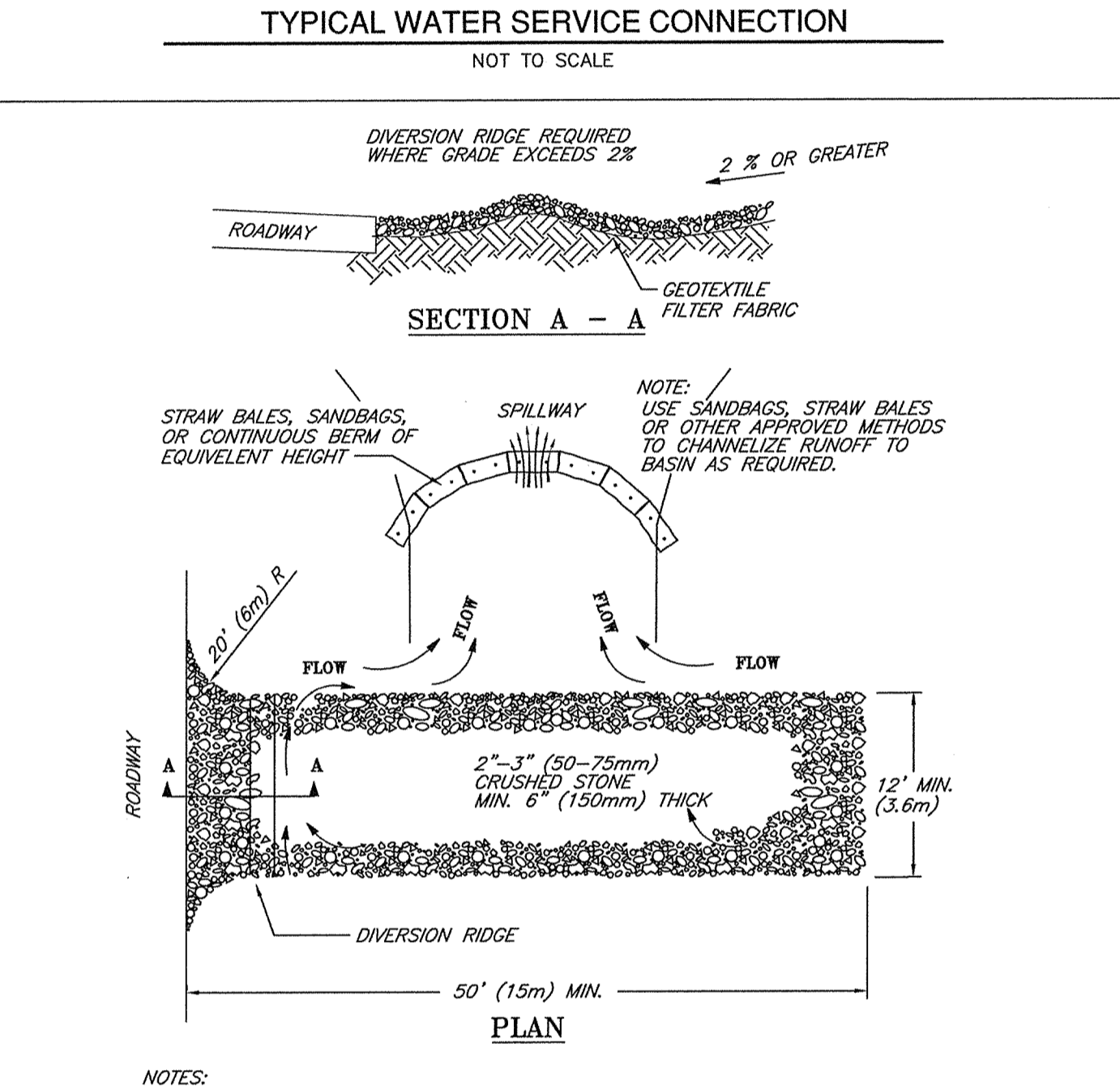
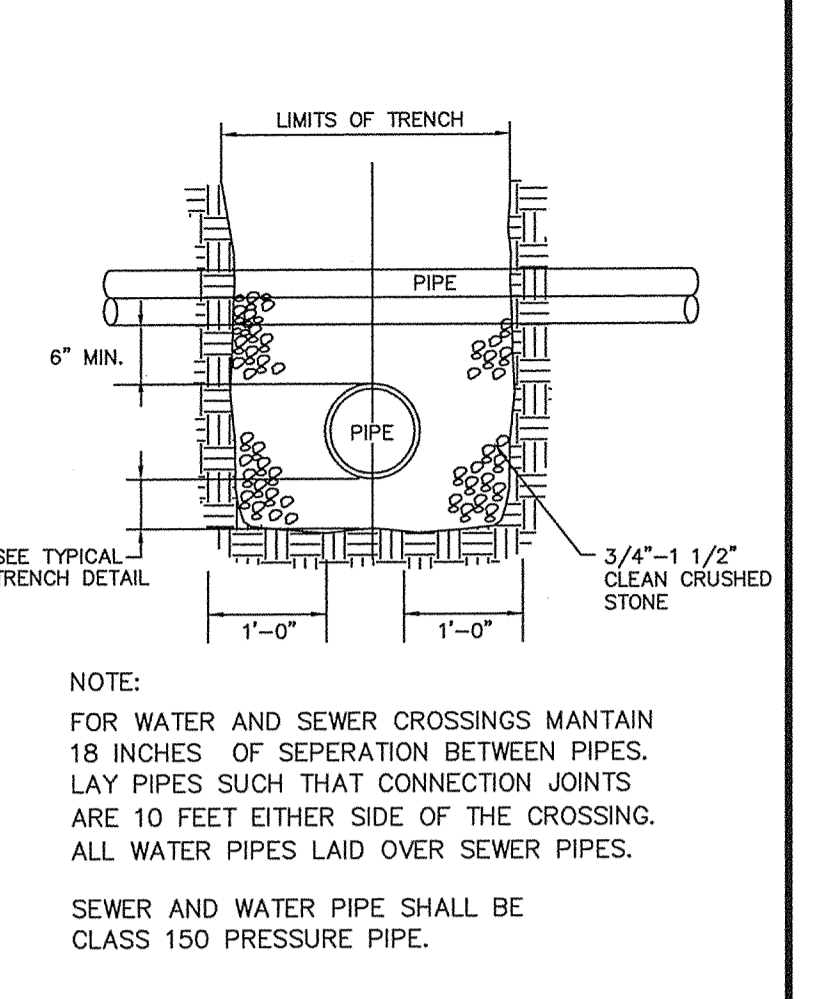
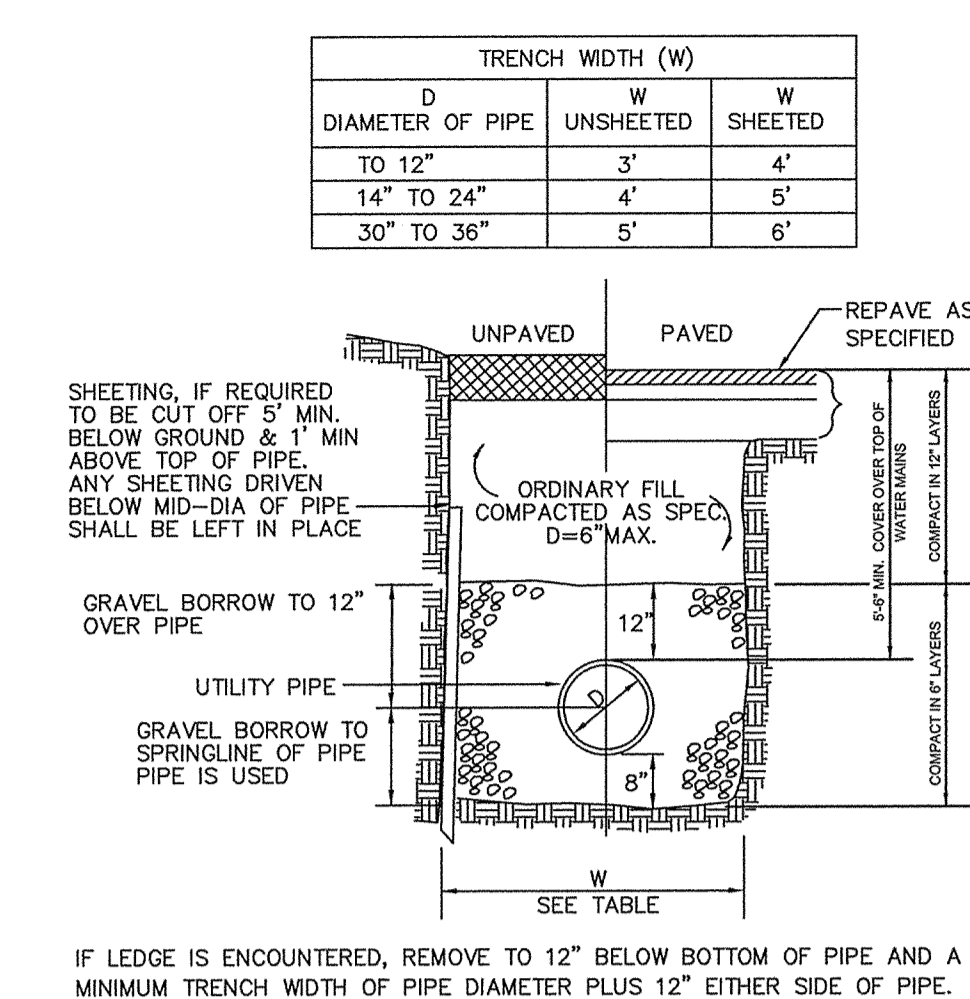
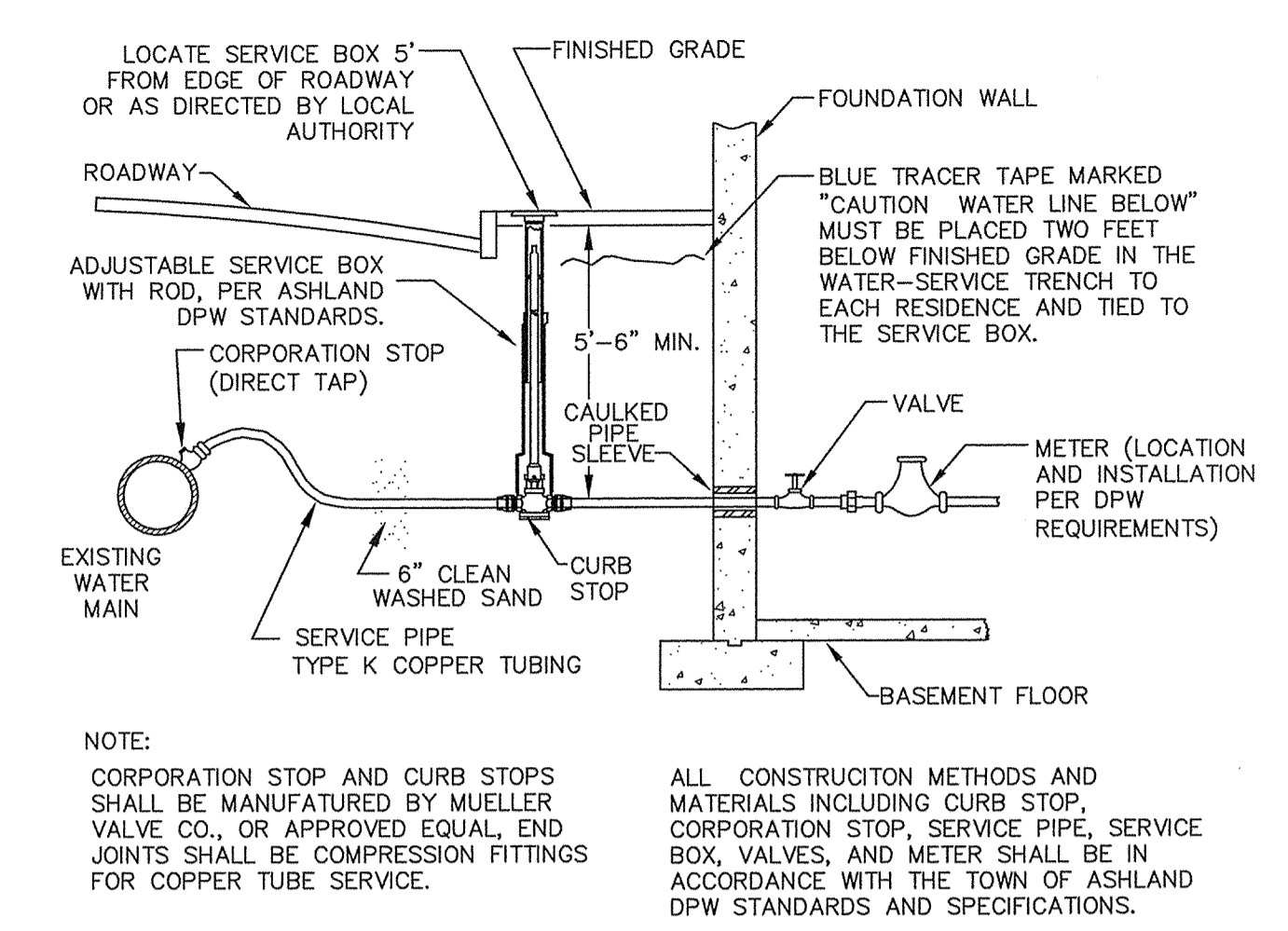
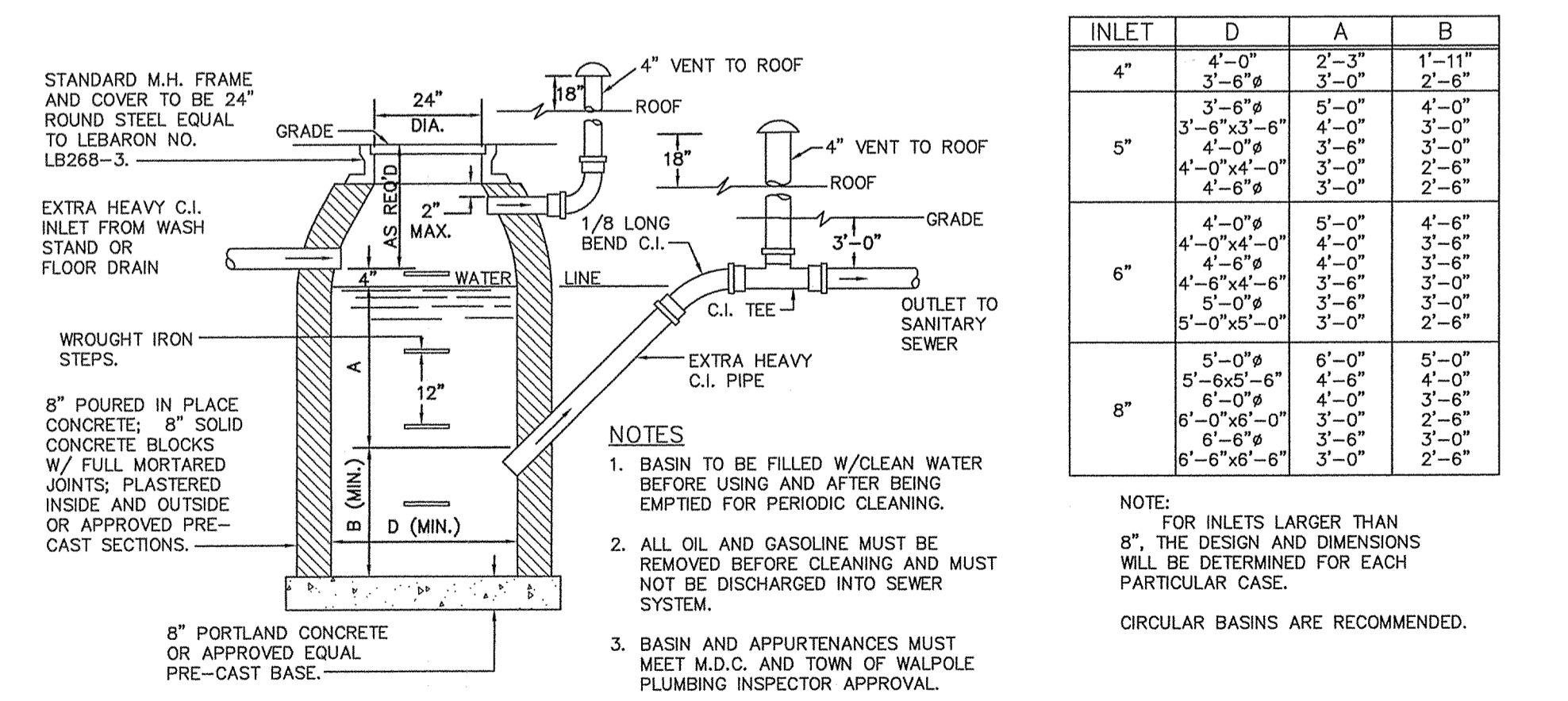
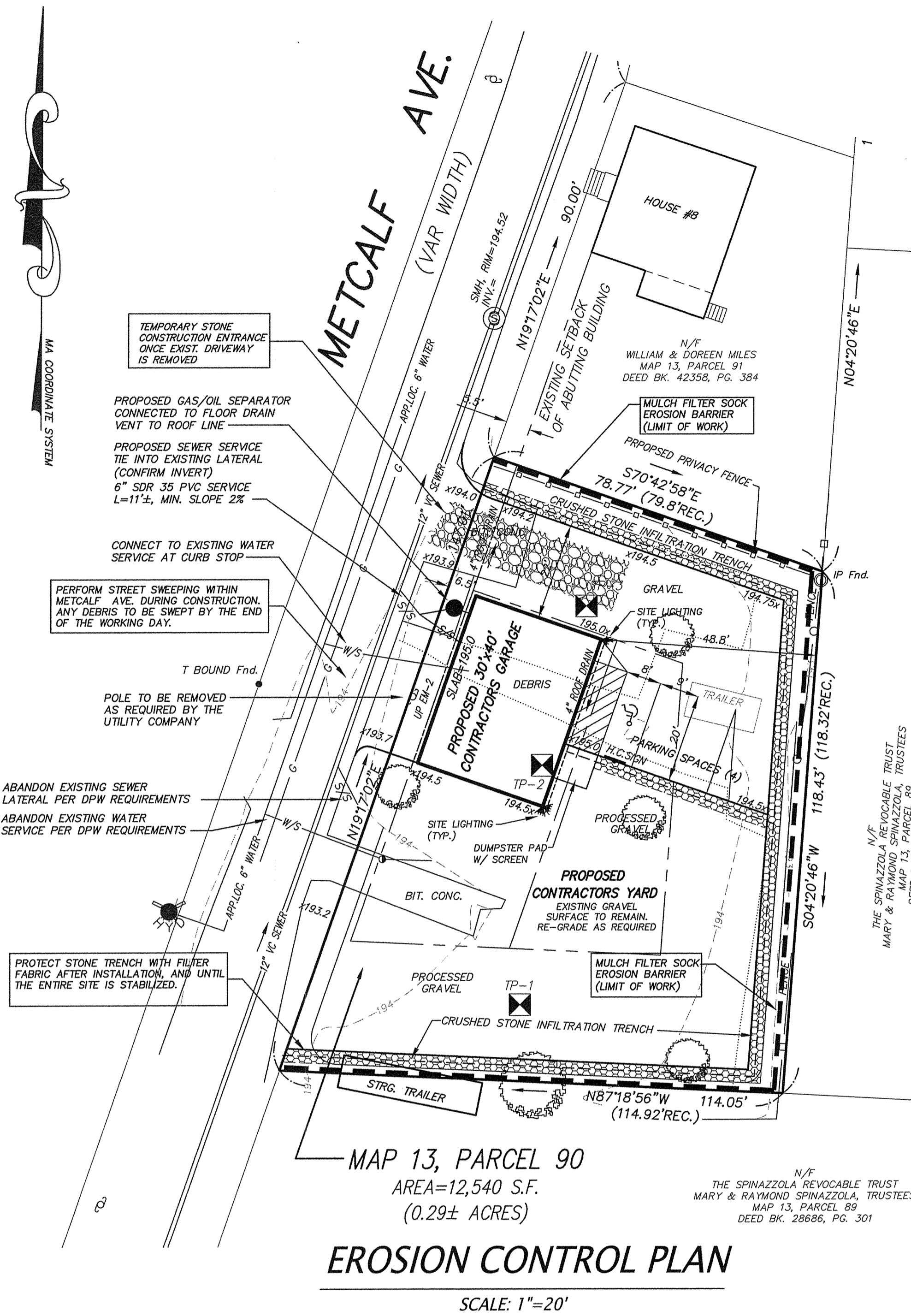


EROSION AND SEDIMENTATION CONTROL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE ORDER OF CONDITIONS ISSUED BY THE TOWN OF ASHLAND CONSERVATION COMMISSION AND THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- PRIOR TO INITIATING CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND DETAIL DRAWINGS.
- THIS PLAN DEPICTS THE MINIMUM REQUIRED SEDIMENTATION AND EROSION CONTROLS. THE CONTRACTOR SHALL EMPLOY ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES AS NECESSITATED BY SITE CONDITIONS, OR AS DIRECTED BY THE OWNER, THE OWNER'S REPRESENTATIVE, OR THE CONSERVATION COMMISSION TO ENSURE PROTECTION OF ALL WETLAND RESOURCES AND CONTROL SEDIMENT TRANSPORT. IF SEDIMENTATION PLUMES OCCUR, THE CONTRACTOR SHALL STOP WORK AND INSTALL ADDITIONAL SEDIMENTATION CONTROL DEVICES IMMEDIATELY TO PREVENT FURTHER SEDIMENTATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY AND PERMANENT SEDIMENTATION AND EROSION CONTROLS UNTIL WORK IS COMPLETE AND ALL AREAS HAVE BEEN PERMANENTLY STABILIZED. AT SUCH TIME THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SEDIMENTATION AND EROSION CONTROL MEASURES.
- THE CONTRACTOR SHALL INSPECT SEDIMENTATION AND EROSION CONTROLS ON A WEEKLY BASIS AND IMMEDIATELY BEFORE/AFTER EACH RAINFALL. REPAIRS SHALL BE MADE BY THE END OF THE WORKING DAY. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR WHEN THE VOLUME REACHES 1/4 THE HEIGHT OF SILT FENCE OR SEDIMENT TRAP CAPACITY, OR AS DIRECTED BY THE LOCAL AUTHORITY.
- SOIL STOCKPILES SHALL BE STABILIZED TO PREVENT EROSION, AND A PERIMETER SEDIMENT CONTROL SYSTEM SHALL BE INSTALLED. NO MATERIALS SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF A WETLAND UNLESS COVERED.
- DISTURBED AREAS SHALL BE STABILIZED WITH MINIMUM 4 INCHES OF LOAM AND SEEDING (OR BY ANOTHER APPROVED METHOD) AS SOON AS POSSIBLE AFTER THE FINISHED GRADE HAS BEEN MET. DISTURBED AREAS WITH SLOPES 3:1 (H:V) OR GREATER SHALL BE COVERED WITH LOAM AND STABILIZED WITH HYDRO-SEED AND SOIL TACKIFIER. IF FINAL GRADING DOES NOT OCCUR DURING THE GROWING SEASON AREAS SHALL BE MULCHED WITH STRAW AND SECURED.
- DEWATERING OPERATIONS, IF REQUIRED, SHALL DISCHARGE ONTO STABILIZED AREAS AND ALL DISCHARGE WATER IS TO PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON WATER BODIES, BORDERING VEGETATED WETLANDS, DRAINAGE SYSTEMS AND ADJUTING PROPERTIES. NO DISCHARGES FROM DEWATERING OPERATIONS SHALL BE DISCHARGED DIRECTLY TO THE DRAINAGE SYSTEM.
- STREET SWEEPING IN THE VICINITY OF THE PROJECT AREA SHALL BE PERFORMED AS NEEDED UNTIL THE PROJECT LIMITS HAVE BEEN STABILIZED. ALL SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.
- ALL EXISTING AND PROPOSED DRAINAGE SYSTEM INLETS, WHICH MAY RECEIVE STORMWATER FLOW FROM DISTURBED AREAS, SHALL BE PROVIDED WITH INLET PROTECTION (CATCH BASIN INSERTS).
- DUST CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED PROPERLY THROUGHOUT DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. METHODS FOR DUST CONTROL SHALL INCLUDE WATER SPRINKLING AND/OR OTHER METHODS APPROVED BY THE ENGINEER.
- ALL VEHICLES SHALL ENTER AND EXIT DISTURBED AREAS VIA A STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL). THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION ENTRANCE DAILY AND AFTER HEAVY USE AND REPAIR OR REPLACE THE STONE AS REQUIRED.
- EQUIPMENT SHALL NOT BE PARKED WITHIN WETLANDS OR BUFFER AREAS.

GENERAL SEQUENCE OF CONSTRUCTION ACTIVITIES

- INSTALL SILTATION BARRIERS AS INDICATED ON THE PLANS
- INSTALL CONSTRUCTION STONE ENTRANCE. CONSTRUCTION STONE ENTRANCE TO BE REPLACED AS NEEDED TO PROVIDE ADEQUATE STORAGE CAPACITY FOR ACCUMULATED SEDIMENT STORAGE FROM VEHICLES LEAVING THE SITE.
- PREPARE SITE / REMOVE TRAILER AND DEBRIS PILES.
- CONSTRUCT BUILDING FOUNDATIONS.
- BACKFILL FOUNDATIONS AND PERFORM ROUGH GRADING.
- BEGIN BUILDING CONSTRUCTION.
- INSTALL INSTALL UTILITY CONNECTIONS.
- INSTALL DRIVEWAY GRAVEL BASE.
- INSTALL ROOF DRAINS AND INFILTRATION TRENCHES. PROTECT TRENCH WITH GEOTEXTILE FABRIC IS REQUIRED TO KEEP SEDIMENT OUT STONE.
- PAVE DRIVEWAYS.
- FINAL LANDSCAPING & STABILIZATION.
- ONCE SITE IS COMPLETE REMOVE ALL SEDIMENT CONTROL DEVICES.



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EROSION CONTROL AND CONSTRUCTION DETAILS
10-12 METCALF AVENUE
IN ASHLAND, MA

REVISIONS:

NO.	DATE	DESCRIPTION
1		

DRAWN BY: REM CHECK BY: VC
DATE: SEPTEMBER 25, 2020
SCALE: 1"=20' SHEET 2 OF 2.