

ZONE LINE R8/4 (RESIDENCE 8/4)

TBM NAIL IN TREE
ELEV.=134.75
(NGVD OF 1929)

PARCEL A-1
14,831 S.F.±
0.3405 AC.±

LOT A
91,069 S.F.±
2.0906 AC.±

COMMONWEALTH OF MASSACHUSETTS
(FORMERLY PENN CENTRAL Co.)

ZONE LINE EAV-2 (EAST ACTON VILLAGE 2)

WETHERBEE STREET
(1987 COUNTY LAND)

NASHOBA BROOK
APPROXIMATE PROPERTY LINE "BY CENTERLINE OF BROOK"

LEGEND:

- N/F NOW OR FORMERLY OVERHEAD WIRES
- TREE
- TREE LINE
- UP UTILITY POLE
- GG GAS GATE
- G GAS SERVICE (BURIED)
- WG WATER GATE
- W WATER SERVICE (BURIED)
- DMH DRAIN MANHOLE
- D SUB-SURFACE DRAIN LINE
- EXISTING CONTOUR
- EXISTING CONTOUR
- ☆ LIGHTPOLE
- △ WETLAND FLAG
- 99X9 SPOT ELEVATION
- STONE WALL
- EDGE OF PAVEMENT

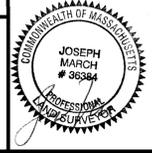
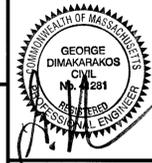
NOTES:

- 1.) ALL TRENCH WORK FOR UTILITIES WITHIN THE FLOODPLAIN SHALL RETURN TO EXISTING GRADES.
- 2.) ALL UNDERGROUND UTILITIES SHOWN HERE WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE DESIGNING, EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS THE APPROPRIATE PUBLIC UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG SAFE TELEPHONE No. 1-888-344-7233.

SITE PLAN
IN
ACTON, MASSACHUSETTS
(MIDDLESEX COUNTY)
GRADING AND DRAINAGE PLAN
FOR: **ONYX CORPORATION**
SCALE: 1"=20' DECEMBER 3, 2015

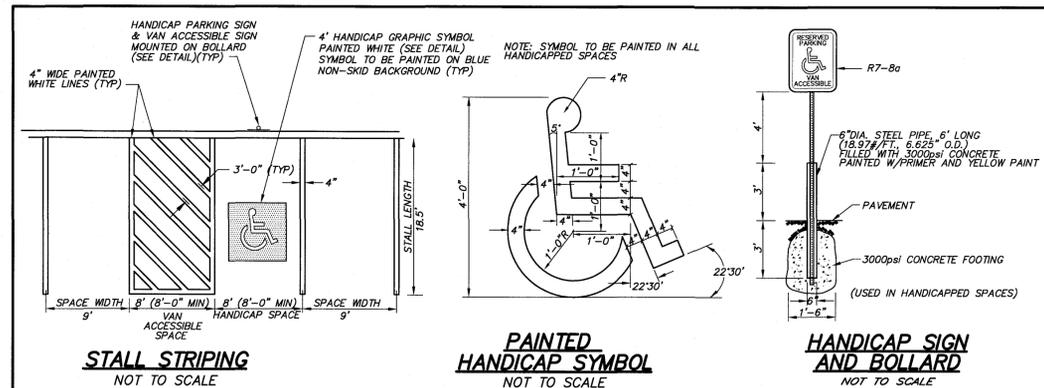
STAMSKI AND McNARY, INC.
1000 MAIN STREET ACTON, MASSACHUSETTS
ENGINEERING - PLANNING - SURVEYING

0 10 20 40 60 80 FT
(229 SP.dwg) WETHERBEE SM-229 Sheet 4 of 5



GENERAL NOTES

1. ALL UNDERGROUND UTILITIES SHOWN HEREON WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS FROM VARIOUS UTILITY COMPANIES AND PUBLIC AGENCIES AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE EXCAVATING, BLASTING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORATION OR REPAIRING. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370, ACTS OF 1963 MASS. WE ASSUME NO RESPONSIBILITY FOR DAMAGE INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCUATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS, THE APPROPRIATE PUBLIC UTILITY ENGINEERING DEPARTMENT MUST BE CONSULTED. DIG-SAFE TELE. NO. (888) 344-7233.
2. UNLESS OTHERWISE SPECIFIED ON THESE PLANS, ALL CONSTRUCTION METHODS AND MATERIALS SHALL COMPLY WITH SPECIFICATIONS OUTLINED IN THE ACTION ZONING BYLAW AND THE ACTION RULES AND REGULATIONS FOR SITE PLAN SPECIAL PERMITS.
3. ALL LIMITS OF WORK SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION OR SITE CLEARING.
4. ALL WATER PIPES, HYDRANTS, GATE VALVES AND OTHER APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE ACTION WATER SUPPLY DISTRICT REQUIREMENTS.
5. ALL STUMPS AND OTHER CONSTRUCTION DEBRIS SHALL BE PROPERLY REMOVED. ANY FILL MATERIAL USED SHALL BE FREE OF HAZARDOUS MATERIALS OR WASTE.
6. ALL DRAIN PIPES SHALL BE ADS N-12 UNLESS OTHERWISE SHOWN.
7. TRANSPORTATION OF FILL, EARTH, OR CONSTRUCTION DEBRIS TO OR FROM THE SITE SHALL BE RESTRICTED TO DAYTIME HOURS (9 AM TO 4 PM) MONDAY THROUGH FRIDAY.
8. CONSTRUCTION SHALL BE IN ACCORDANCE WITH 521 CMR - ARCHITECTURAL ACCESS BOARD REGULATIONS. ALL PROPOSED SIDEWALKS SHALL HAVE A MAX. CROSS SLOPE OF 2%. THE PROPOSED HANDICAP PARKING STALLS AND ADJACENT AREAS SHALL HAVE A MAX. SLOPE OF 1% IN ALL DIRECTIONS. A WAIVER TO THE REGULATIONS MAY BE NEEDED FOR HANDICAPPED PARKING SPACE LOCATIONS AND MUST BE CONFIRMED BY OWNER OR ARCHITECT.
9. TURNING RADII HAVE BEEN DESIGNED TO ACCOMMODATE A 5U-30 VEHICLE.
10. ANY FILL MATERIAL USED SHALL BE FREE OF HAZARDOUS MATERIALS OR WASTE.
11. THE DEVELOPER IS RESPONSIBLE FOR CLEAN UP OF ANY SAND, DIRT OR DEBRIS WHICH ERODES FROM THE SITE AND TO REMOVE SILT OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING, BUT NOT LIMITED TO, CATCH BASIN SUMPS, PIPE LINES, MANHOLES, AND DITCHES IMMEDIATELY UPON DISCOVERY.



DRAINAGE SYSTEM OPERATION AND MAINTENANCE PLAN

1. BMP OWNER: ONYX CORPORATION
18 WETHERBEE STREET
ACTON, MA 01720
2. PARTIES RESPONSIBLE FOR MAINTENANCE: SAME AS ABOVE
3. SCHEDULE FOR INSPECTION AND MAINTENANCE:
DEEP SUMP AND HOODED CATCH BASIN:
THE DEEP SUMPS FOR THE CATCH BASINS SHALL BE INSPECTED AND CLEANED QUARTERLY. THE CATCH BASINS HAVE A TYPICAL GRADE SYSTEM INCLUDING, BUT NOT LIMITED TO, CATCH BASIN SUMPS, PIPE LINES, MANHOLES, AND DITCHES IMMEDIATELY UPON DISCOVERY.

THE DEPTH OF THE SEDIMENT IN THE BASIN SHALL NOT EXCEED A DEPTH OF 18 INCHES AS DETERMINED BY PROBING WITH A STICK. IF THE STICK HITS THE BOTTOM WITHIN 30 INCHES OF THE WATER LEVEL, MORE THAN 18 INCHES OF SEDIMENT HAS ACCUMULATED AND MUST BE REMOVED. LICENSED PERSONS SHOULD REMOVE AND DISPOSE OF THE CONTENTS OF THE SUMP IN ACCORDANCE WITH APPLICABLE REGULATIONS.

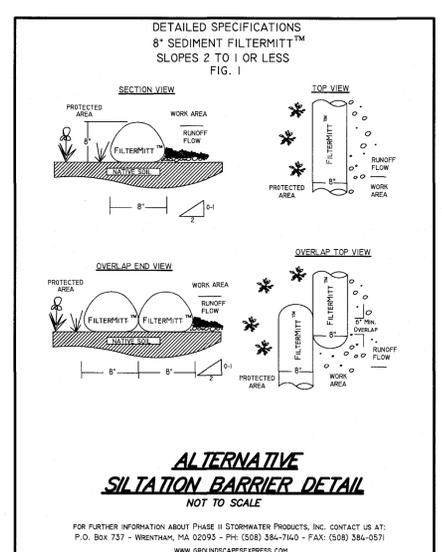
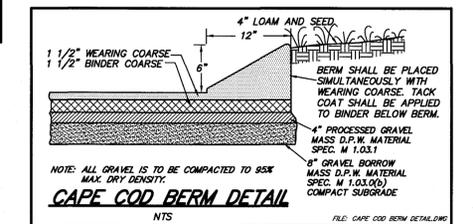
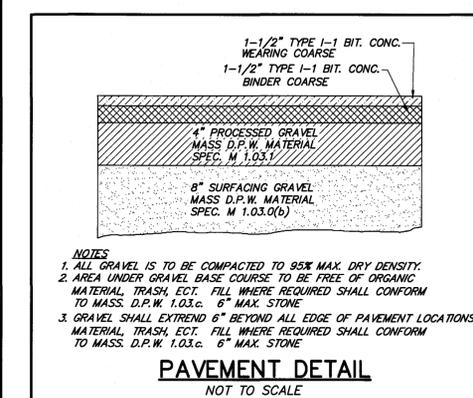
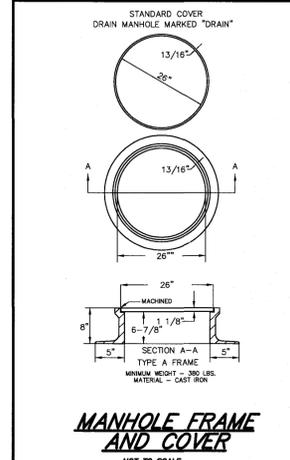
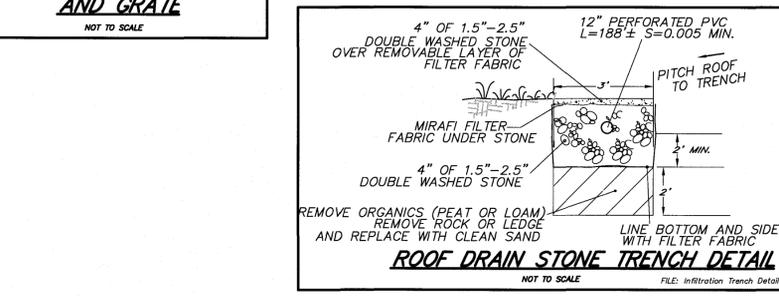
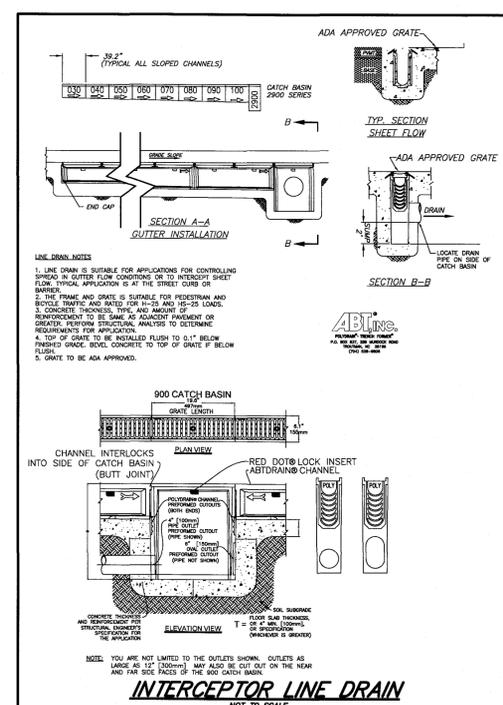
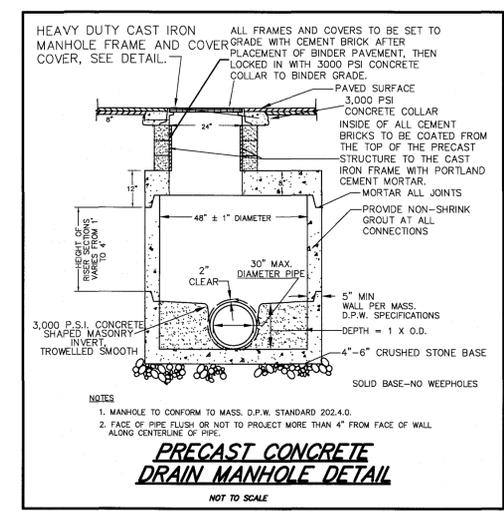
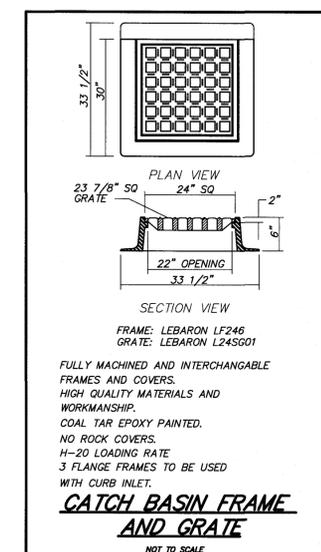
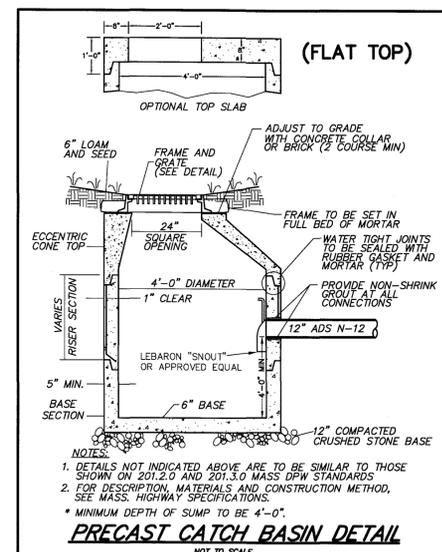
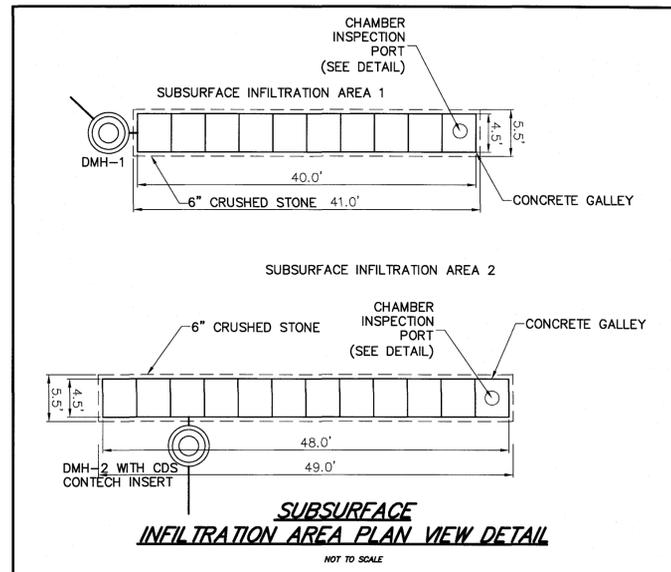
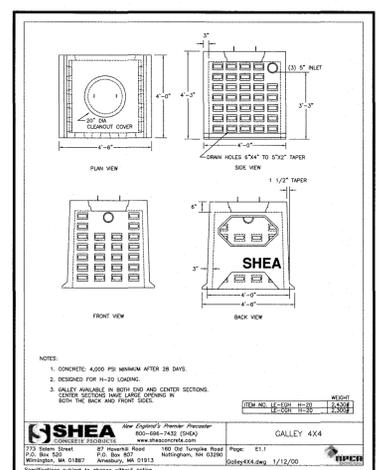
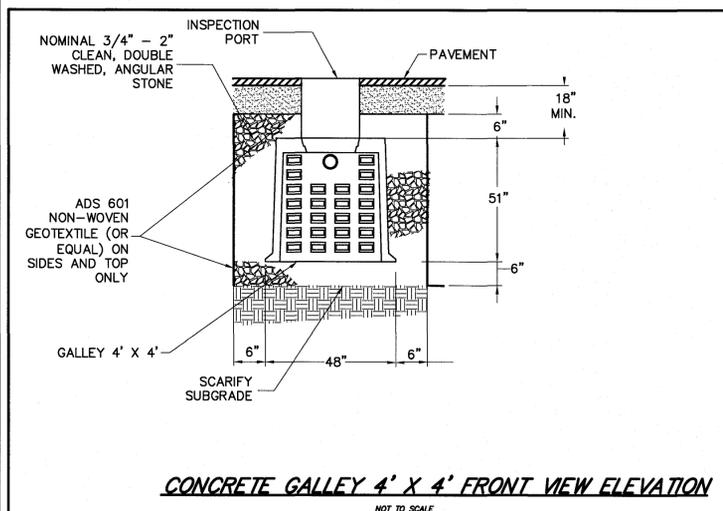
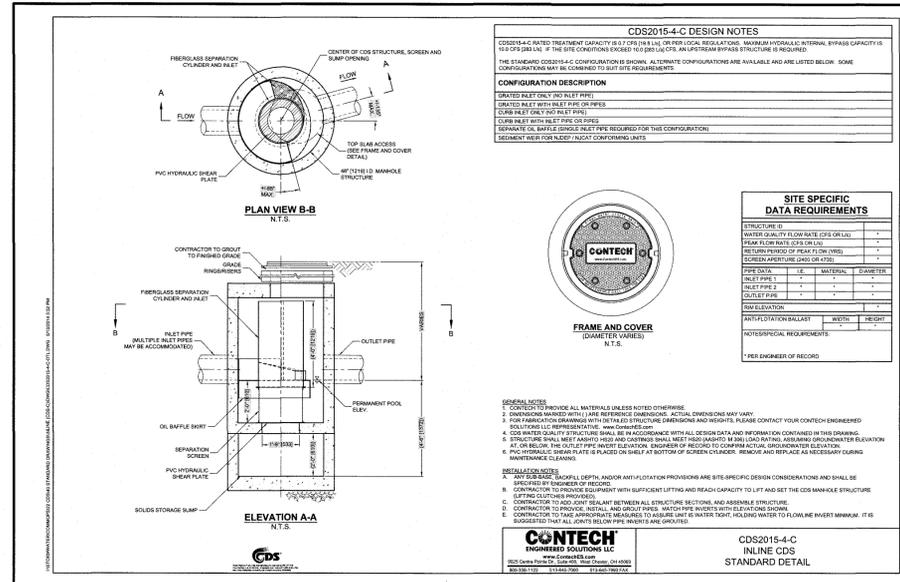
CDS 2015-4
INSPECTION AND MAINTENANCE OF THE CDS UNIT CAN BE PERFORMED FROM THE SURFACE, WITHOUT ENTRY INTO THE UNIT. PERFORM MAINTENANCE A MINIMUM OF TWICE PER YEAR. THE CDS UNIT SHOULD BE CLEANED ONCE THE SEDIMENT HAS REACHED A DEPTH OF TWO FEET IN THE CHAMBER. PERFORM FREQUENT INSPECTIONS DURING THE FIRST YEAR OF INSTALLATION TO ACCURATELY ESTABLISH THE MAINTENANCE SCHEDULE. REMOVE OIL AND SEDIMENT THROUGH THE MANHOLE COVER WITH THE USE OF A VACUUM TRUCK.

DISPOSAL FROM THE CDS UNIT ARE SIMILAR TO THAT OF ANY OTHER BEST MANAGEMENT PRACTICE (BMP). CONSULT LOCAL GUIDELINES OR YOUR WASTEWATER LOCAL AREA MARKETING MANAGER PRIOR TO DISPOSING THE SEPARATOR CONTENTS.

SUBSURFACE RECHARGE AREAS:
THE INFILTRATION BED CLEANOUTS SHALL BE OPENED AND INSPECTED ANNUALLY. IF THE WATER LEVEL IS MORE THAN 24 INCHES ABOVE THE BOTTOM OF STONE ELEVATION, THE GALLEYS SHALL BE FLUSHED WITH A PRESSURE HOSE, AND IF AFTER 24 HOURS THE WATER LEVEL HAS NOT DROPPED, THE INFILTRATION BED MAY HAVE TO BE REPLACED. (NOTE: THE RELATIVE ELEVATIONS OF CLEANOUT RIMS AND THE BOTTOM OF STONE SHALL BE TAKEN FROM THE SITE PLAN AS-BUILT. THIS INSPECTION SHOULD NOT BE DONE WITHIN 72 HOURS OF A RAIN EVENT.) THE INFILTRATION TRENCH SHALL BE CLEANED TWICE A YEAR, AND DEBRIS SHOULD BE REMOVED FROM THE INFILTRATION TRENCHES AS IT ACCUMULATES.

EMERGENCY CONTACTS:
IN THE EVENT OF A HAZARDOUS MATERIALS SPILL ON THE SITE THE FOLLOWING PARTIES SHALL BE CONTACTED: FIRE DEPARTMENT: PH: 978-264-9645

RECORDS:
THE OWNER SHALL MAINTAIN AN INSPECTION LOG OF ALL ELEMENTS OF THE STORM WATER MANAGEMENT PLAN. THE OWNER SHALL MAINTAIN A MAINTENANCE LOG DOCUMENTING THE INSPECTION AND MAINTENANCE OF THE DRAINAGE STRUCTURES UNDER HIS CONTROL. A COPY OF THE EROSION CONTROL AND STORM WATER MAINTENANCE PLAN AND INSPECTION LOGS SHALL BE KEPT ON SITE AT ALL TIMES.



SITE PLAN IN ACTON, MASSACHUSETTS (MIDDLESEX COUNTY) CONSTRUCTION DETAILS FOR: ONYX CORPORATION SCALE: 1"=20' DECEMBER 3, 2015

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