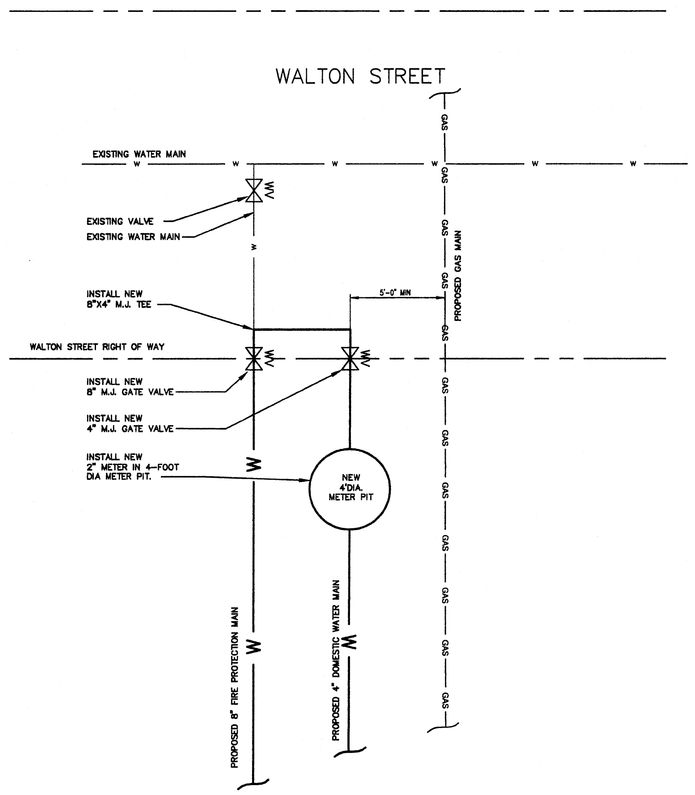
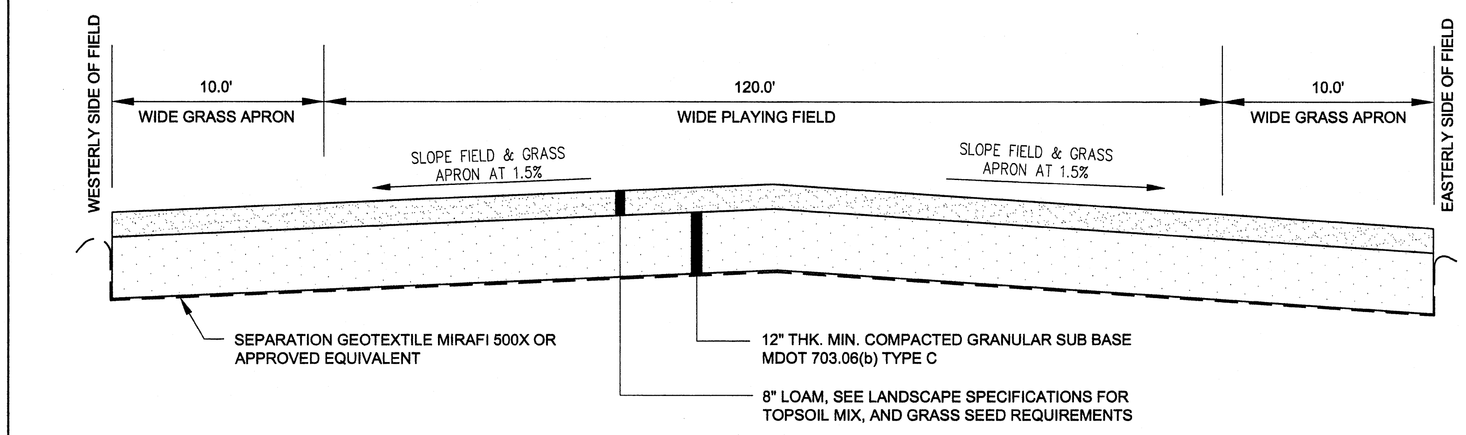


ALL WATER MAINS, SERVICES, HYDRANT, AND FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF PORTLAND WATER DISTRICT. FINAL LOCATION OF WATER SERVICE TO BUILDING TO BE REVIEWED AND APPROVED BY PORTLAND WATER DISTRICT. WATER SERVICE CONNECTION AT THE MAIN IN WALTON STREET SHALL BE SUBJECT TO VERIFICATION WITH PORTLAND WATER DISTRICT.

DETAIL PROVIDED BY PORTLAND WATER DISTRICT. CONTRACTOR SHALL COORDINATE WITH PORTLAND WATER DISTRICT FINAL CONSTRUCTION SPECIFICATIONS.

8" FIRE-LINE, 4" DOMESTIC WATER, & METER DETAIL

NO SCALE

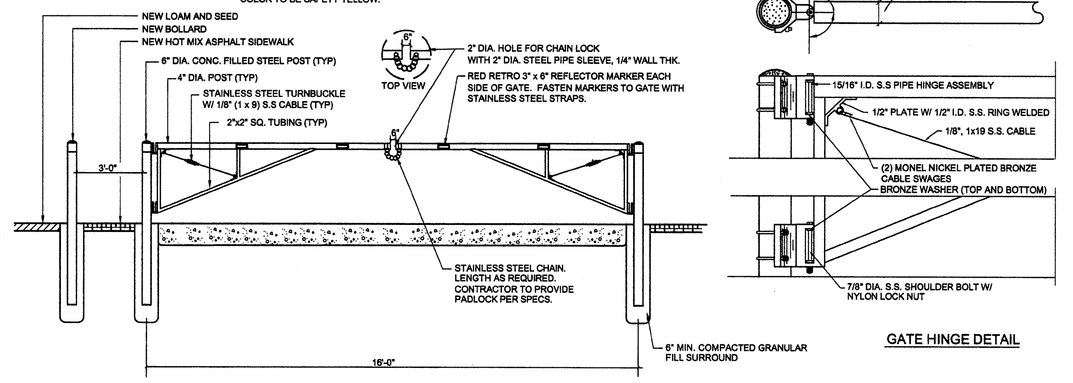


TYPICAL SECTION - PLAYING FIELD

NO SCALE

NOTES:

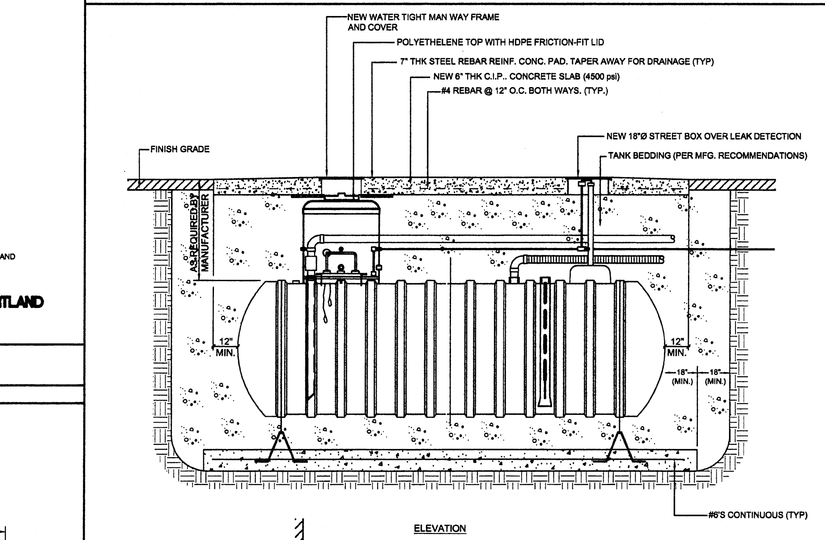
1. FOLLOWING INSTALLATION OF THE VEHICULAR GATE THE CONTRACTOR SHALL FINAL ADJUST SWING HEIGHT, LOCK TURNBUCKLE WITH 20 GA. LOCKING WIRE
2. ALL STEEL SHALL BE EPOXY PRIMED AND PAINTED BEFORE INSTALLATION. FINISH COAT SHALL BE APPLIED FOLLOWING INSTALLATION IN THE FIELD. COLOR TO BE SAFETY YELLOW.



GATE HINGE DETAIL

EMERGENCY ACCESS GATE

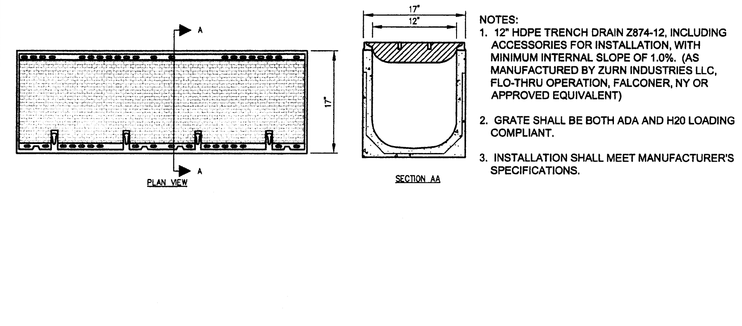
NO SCALE



NOTE:
1. SEE SHEET CU101 FOR POSSIBLE VENT LOCATION. COORD. LOCATION WITH THE ARCHITECT.
2. U.G. FUEL SYSTEM PIPING, FUEL STORAGE TANK TIE DOWNS AND CONTROLS SHALL BE SUPPLIED AND INSTALLED BY THE MECHANICAL CONTRACTOR. EXCAVATION AND BACKFILL SHALL BE BY THE SITE CONTRACTOR. BACKFILL MATERIAL SHALL BE SUPPLIED BY THE SITE CONTRACTOR. THE SITE CONTRACTOR SHALL ALSO PROVIDE THE CONC. PAD, CONC. DEADMAN AND MANWAY FRAME AND COVERS. THE CONDUIT SHALL BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORD. INSTALLATION WITH THE MECHANICAL AND ELECTRICAL CONTRACTORS.
3. SEE MECHANICAL DRAWINGS FOR ADDITIONAL DETAIL INFORMATION RELATED TO THE TANK MATERIALS AND CONTROLS
4. PROVIDE TWO #6 DIAGONAL REBARS AT ANY OPENINGS IN CONCRETE

NEW FUEL TANK

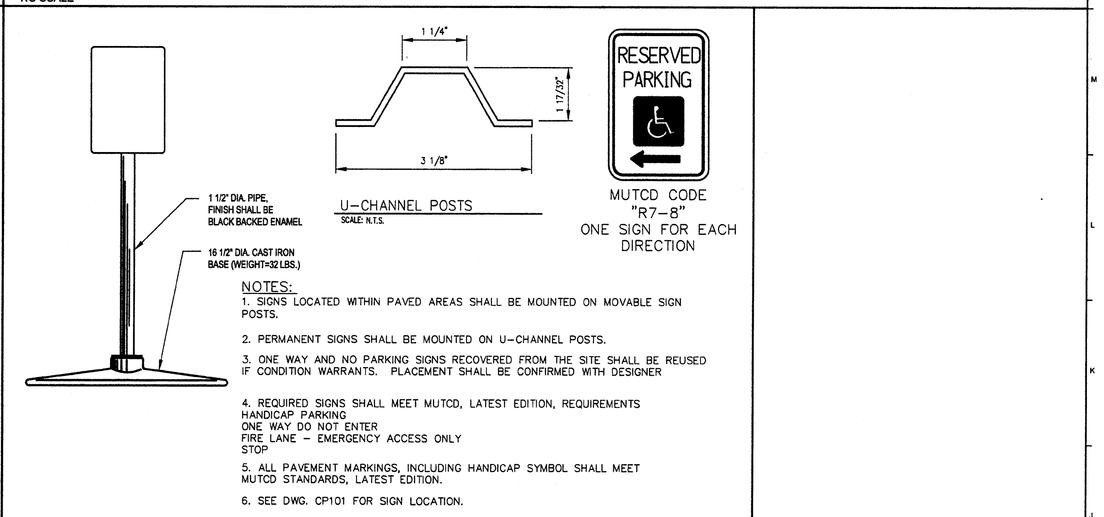
NO SCALE



NOTES:
1. 12" HDPE TRENCH DRAIN Z874-12, INCLUDING ACCESSORIES FOR INSTALLATION, WITH MINIMUM INTERNAL SLOPE OF 1.0%. (AS MANUFACTURED BY ZURN INDUSTRIES LLC, FLO-THRU OPERATION, FALCONER, NY OR APPROVED EQUIVALENT)
2. GRATE SHALL BE BOTH ADA AND H20 LOADING COMPLIANT.
3. INSTALLATION SHALL MEET MANUFACTURER'S SPECIFICATIONS.

TYPICAL TRENCH DRAIN

NO SCALE



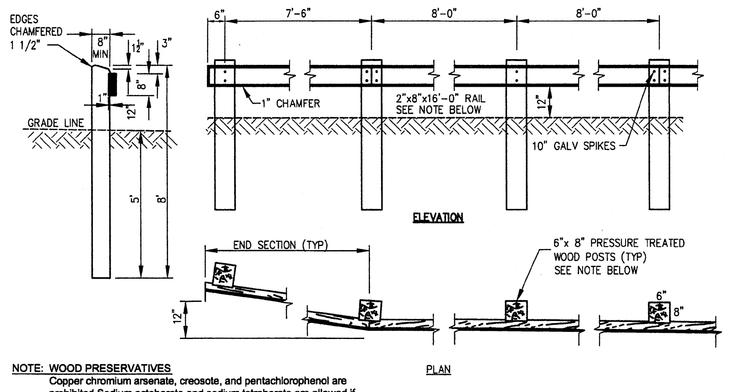
U-CHANNEL POSTS
SCALE: N.T.S.

MUTCD CODE "R7-8"
ONE SIGN FOR EACH DIRECTION

NOTES:
1. SIGNS LOCATED WITHIN PAVED AREAS SHALL BE MOUNTED ON MOVABLE SIGN POSTS.
2. PERMANENT SIGNS SHALL BE MOUNTED ON U-CHANNEL POSTS.
3. ONE WAY AND NO PARKING SIGNS RECOVERED FROM THE SITE SHALL BE REUSED IF CONDITION WARRANTS. PLACEMENT SHALL BE CONFIRMED WITH DESIGNER
4. REQUIRED SIGNS SHALL MEET MUTCD, LATEST EDITION, REQUIREMENTS
HANDICAP PARKING
ONE WAY DO NOT ENTER
FIRE LANE – EMERGENCY ACCESS ONLY
STOP
5. ALL PAVEMENT MARKINGS, INCLUDING HANDICAP SYMBOL SHALL MEET MUTCD STANDARDS, LATEST EDITION.
6. SEE DWG. CP101 FOR SIGN LOCATION.

DETAILS - SIGNS

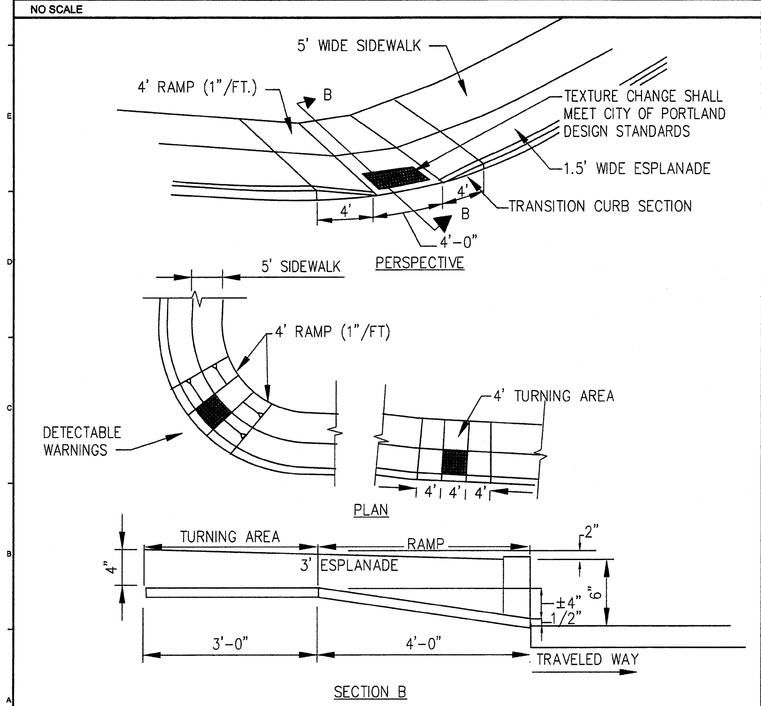
NO SCALE



NOTE: WOOD PRESERVATIVES
Copper chromium arsenate, creosote, and pentachlorophenol are prohibited.Sodium octaborate and sodium tetraborate are allowed if from mined sources. [Submittal Required]

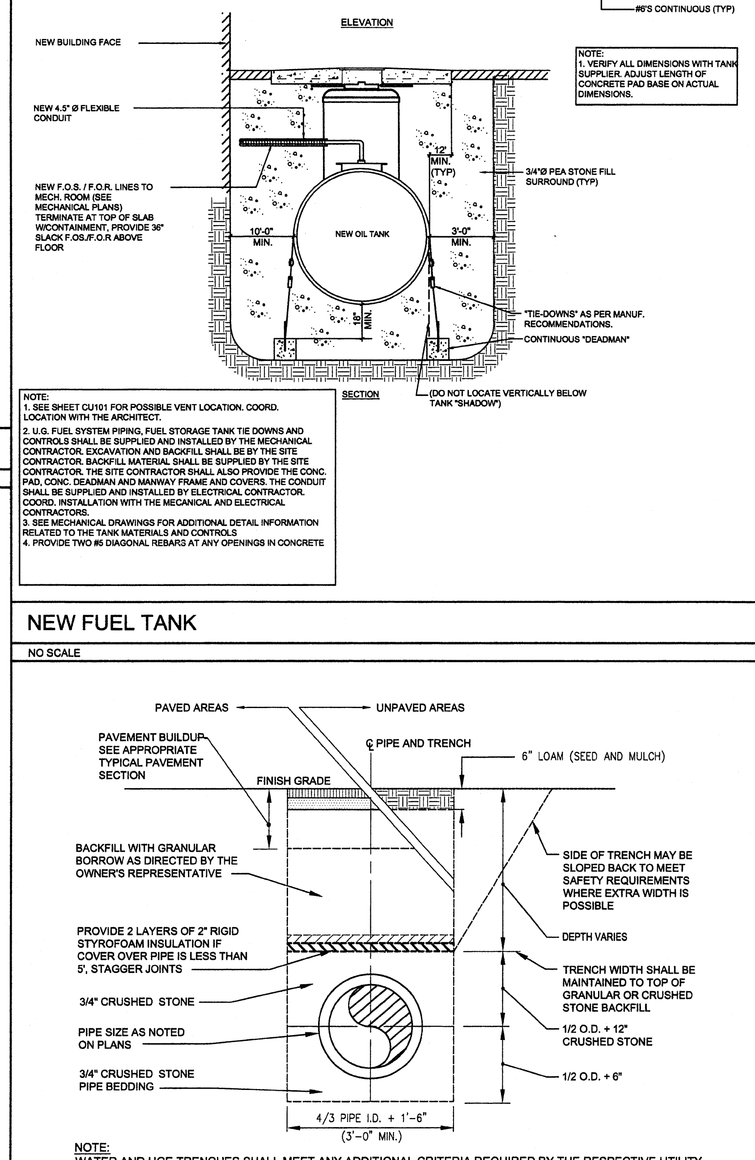
WOODEN GUARD RAIL DETAIL

NO SCALE



HANDICAP RAMP

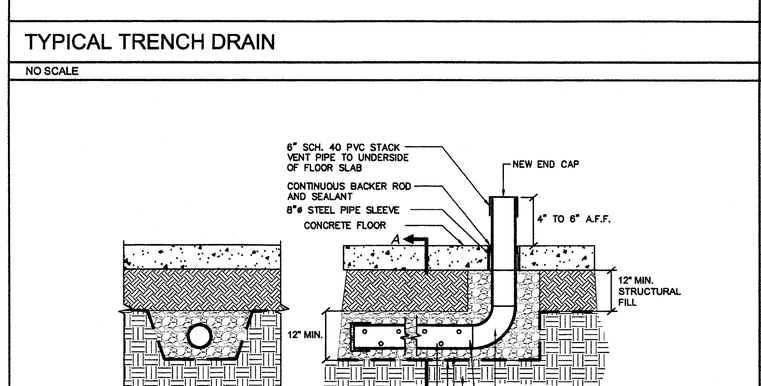
NO SCALE



NOTE:
WATER AND UGE TRENCHES SHALL MEET ANY ADDITIONAL CRITERIA REQUIRED BY THE RESPECTIVE UTILITY.

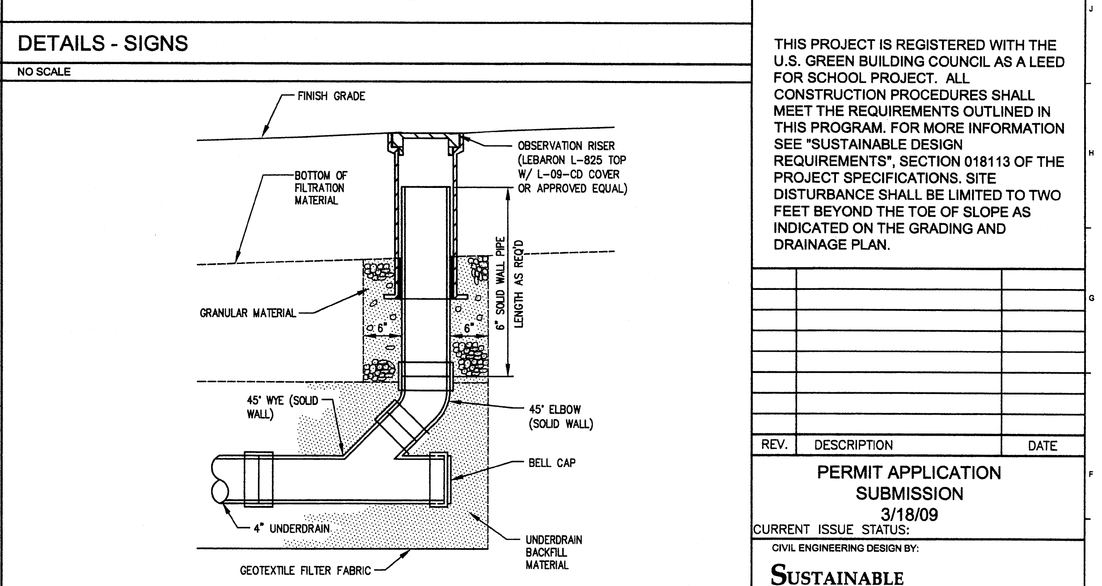
TYPICAL TRENCH

NO SCALE



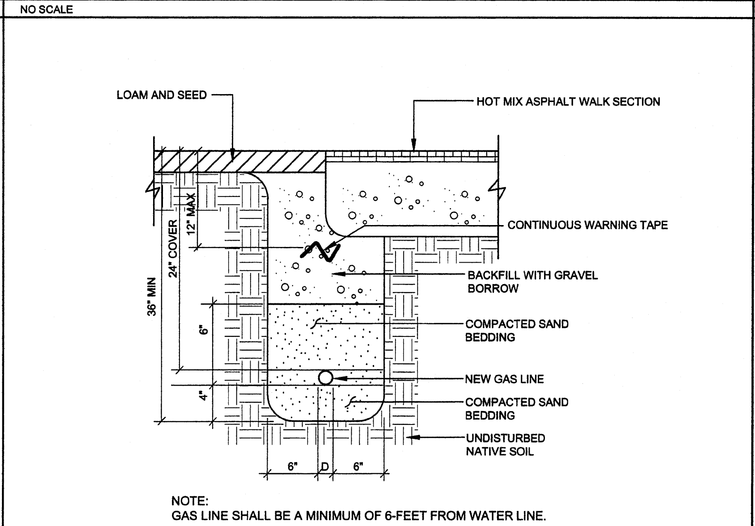
DETAIL - RADON VENT PIPE

NO SCALE



DETAIL - UNDERDRAIN CLEANOUT

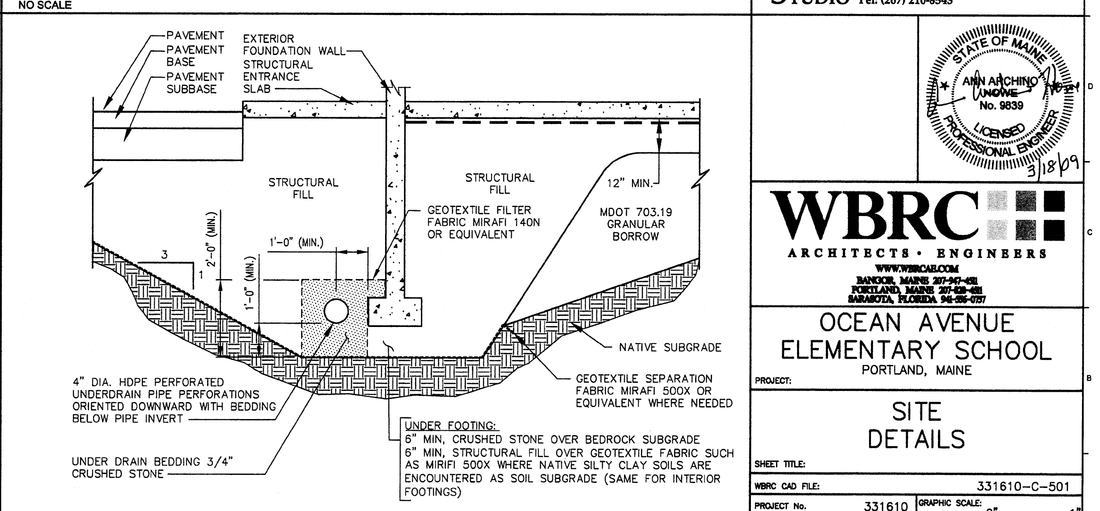
NO SCALE



NOTE:
GAS LINE SHALL BE A MINIMUM OF 6-FEET FROM WATER LINE.

NEW GAS TRENCH

NO SCALE



UNDER FOOTING:
6" MIN, CRUSHED STONE OVER BEDROCK SUBGRADE
6" MIN, STRUCTURAL FILL OVER GEOTEXTILE FABRIC SUCH AS MIRIFI 500X WHERE NATIVE SILTY CLAY SOILS ARE ENCOUNTERED AS SOIL SUBGRADE (SAME FOR INTERIOR FOOTINGS)

TYPICAL FOOTING DRAIN DETAIL

NO SCALE

THIS PROJECT IS REGISTERED WITH THE U.S. GREEN BUILDING COUNCIL AS A LEED FOR SCHOOL PROJECT. ALL CONSTRUCTION PROCEDURES SHALL MEET THE REQUIREMENTS OUTLINED IN THIS PROGRAM. FOR MORE INFORMATION SEE "SUSTAINABLE DESIGN REQUIREMENTS", SECTION 018113 OF THE PROJECT SPECIFICATIONS. SITE DISTURBANCE SHALL BE LIMITED TO TWO FEET BEYOND THE TOE OF SLOPE AS INDICATED ON THE GRADING AND DRAINAGE PLAN.

REV.	DESCRIPTION	DATE

PERMIT APPLICATION SUBMISSION
3/18/09

CURRENT ISSUE STATUS:

CIVIL ENGINEERING DESIGN BY:
SUSTAINABLE DESIGN STUDIO
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Portland, Maine 04104-0486
sustainabledesign@maine.rr.com
Tel: (207) 210-8543

STATE OF MAINE — ANN M. ARCHINO — No. 9839 — LICENSED PROFESSIONAL ENGINEER — 3/18/09

WBRC ARCHITECTS • ENGINEERS
WWW.WBRC.COM
BANGOR, MAINE 207-947-4211
PORTLAND, MAINE 207-828-1101
SARASOTA, FLORIDA 941-556-2727

PROJECT: OCEAN AVENUE ELEMENTARY SCHOOL
PORTLAND, MAINE

SHEET TITLE: SITE DETAILS

WBRC CAD FILE:	331610-C-501
PROJECT No.	331610
SCALE:	AS NOTED
PROJECT MANAGER:	AAH
DRAWN BY:	RMC
CHECKED BY:	AAH
GRAPHIC SCALE	0" 1"
SHEET No.	C502

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Mar 18, 2009 – 8:51am
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