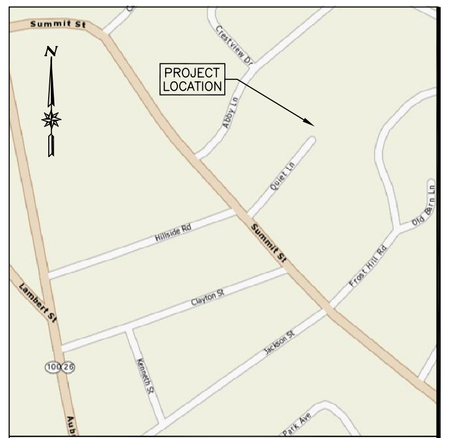
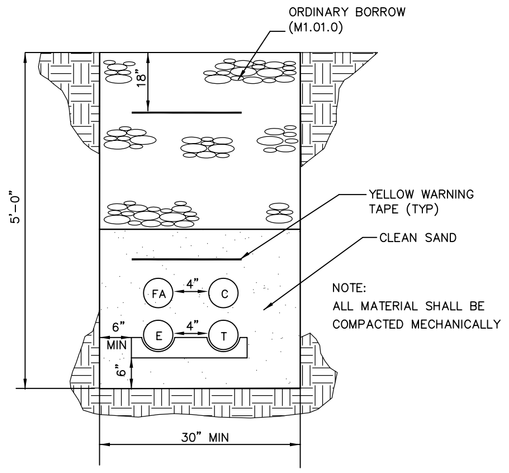


VICINITY MAP

NOT TO SCALE



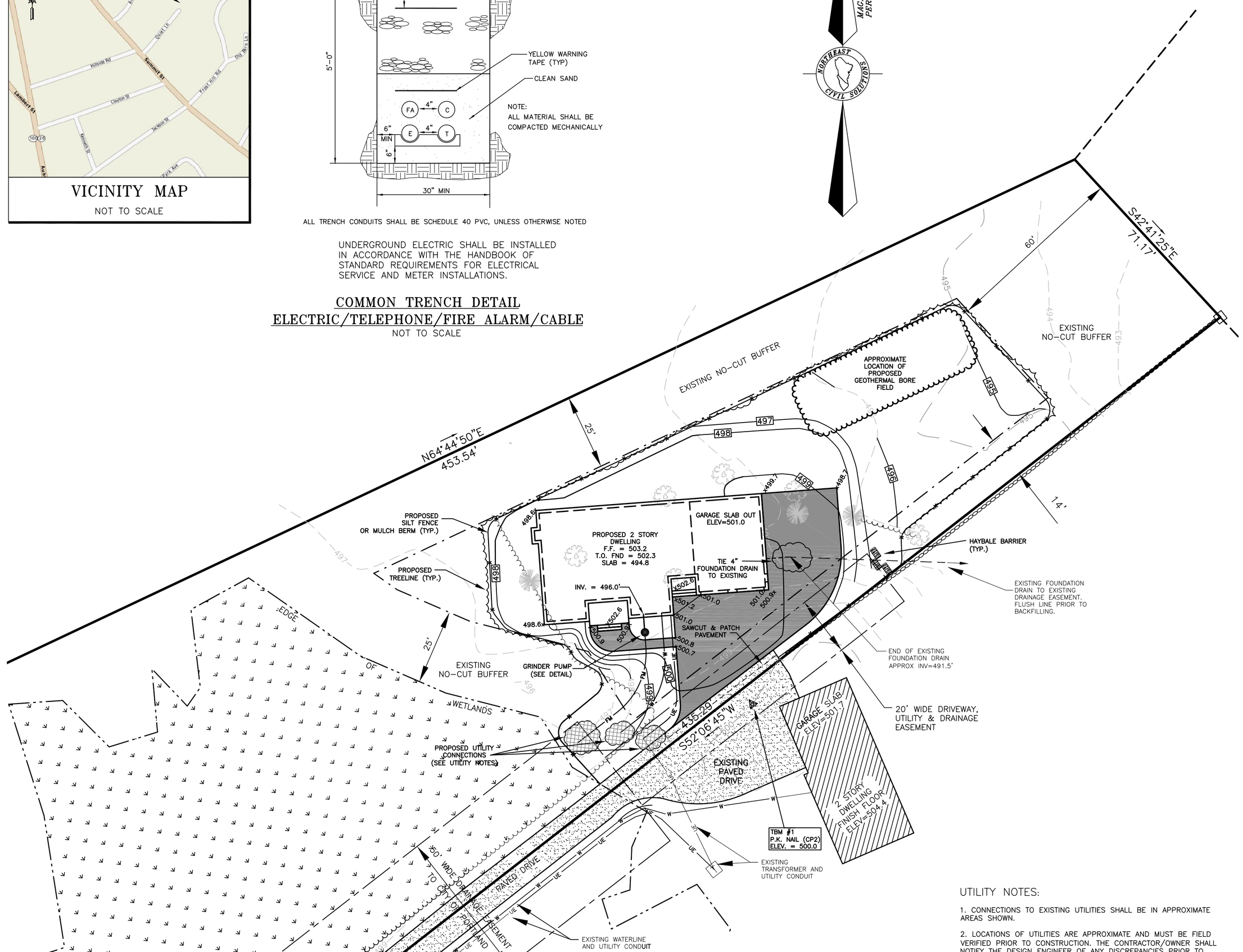
NOTE:
ALL MATERIAL SHALL BE COMPACTED MECHANICALLY

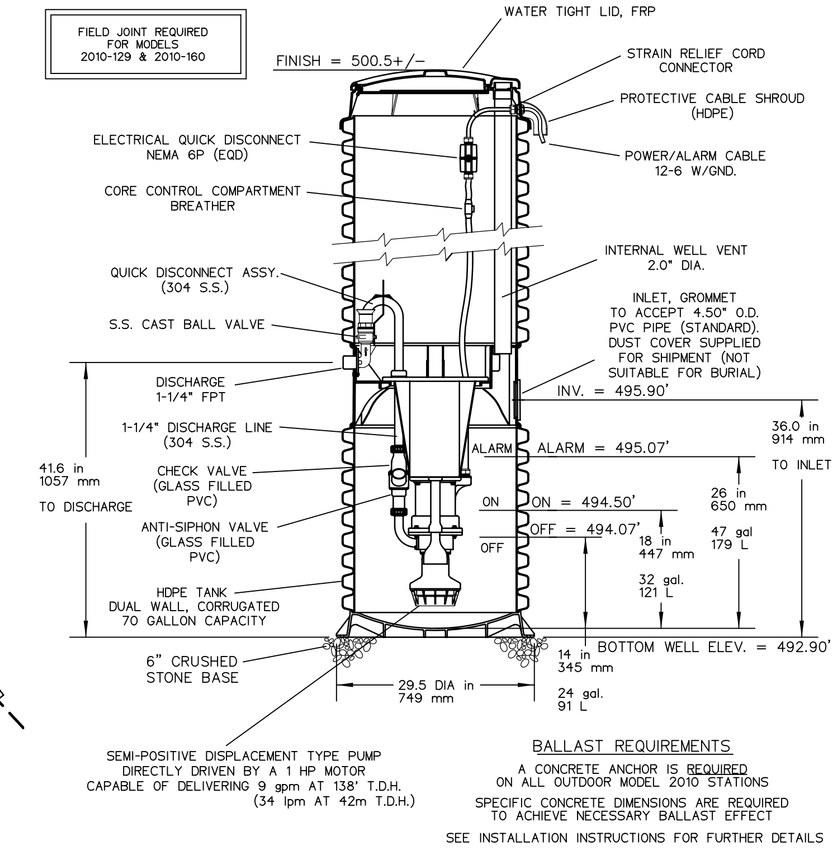
ALL TRENCH CONDUITS SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED

UNDERGROUND ELECTRIC SHALL BE INSTALLED IN ACCORDANCE WITH THE HANDBOOK OF STANDARD REQUIREMENTS FOR ELECTRICAL SERVICE AND METER INSTALLATIONS.

COMMON TRENCH DETAIL
ELECTRIC/TELEPHONE/FIRE ALARM/CABLE

NOT TO SCALE





BALLAST REQUIREMENTS

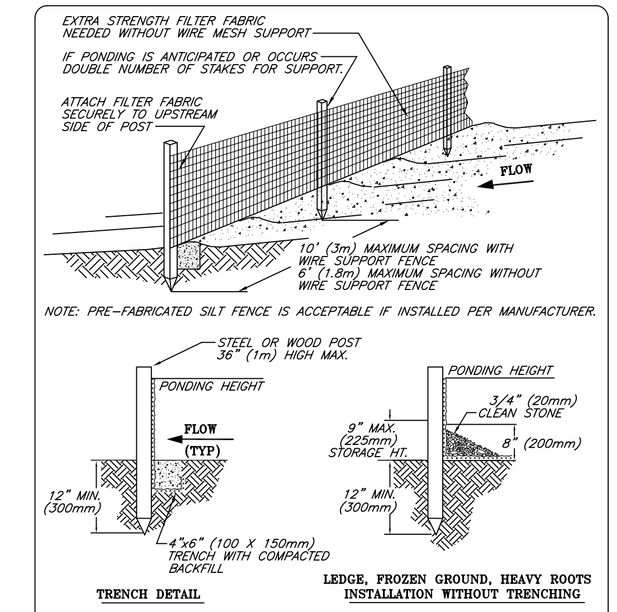
A CONCRETE ANCHOR IS REQUIRED ON ALL OUTDOOR MODEL 2010 STATIONS

SPECIFIC CONCRETE DIMENSIONS ARE REQUIRED TO ACHIEVE NECESSARY BALLAST EFFECT

SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

SEWAGE GRINDER PUMP

NOT TO SCALE



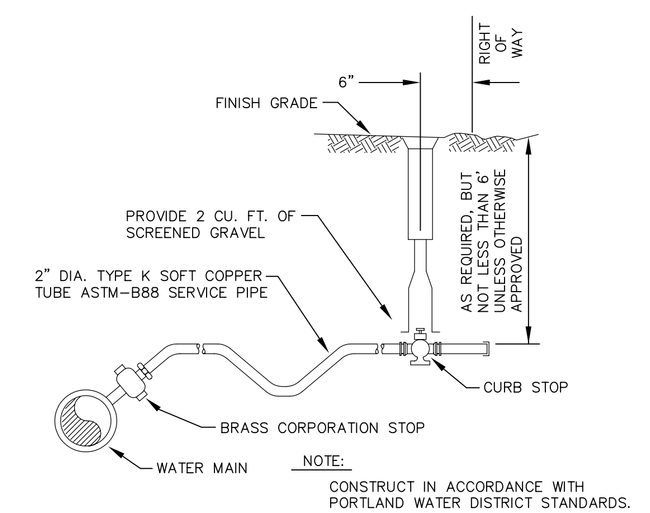
NOTES:

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
4. DO NOT PLACE SILT FENCE IN STREAMS OR CONCENTRATED FLOW CONDITIONS.

© 1994 JOHN MCCULLAH ME ID# 2003

FILE: SILTFENC

SILT FENCE



NOTE:
CONSTRUCT IN ACCORDANCE WITH PORTLAND WATER DISTRICT STANDARDS.

TYPICAL WATER SERVICE CONNECTION

NOT TO SCALE

EROSION CONTROL MIX BERMS

EROSION CONTROL MIX CAN BE MANUFACTURED ON OR OFF THE PROJECT SITE. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

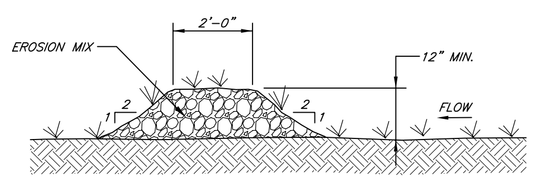
COMPOSITION

EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS/LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE FOLLOWING STANDARDS:

- THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100%, DRY WEIGHT BASIS.
- PARTICLE SIZE BY WEIGHT SHALL BE 100 % PASSING A 6" SCREEN AND A MINIMUM OF 70 %, MAXIMUM OF 85%, PASSING A 0.75" SCREEN.
- THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
- LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.
- SOLUBLE SALTS CONTENT SHALL BE < 4.0 MMHOS/CM.
- THE PH SHOULD FALL BETWEEN 5.0 AND 8.0.

INSTALLATION

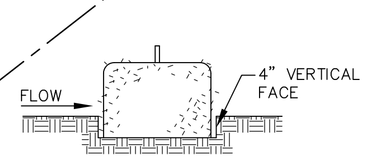
- THE BARRIER MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR. IT MAY BE NECESSARY TO CUT TALL GRASSES OR WOODY VEGETATION TO AVOID CREATING VOIDS AND BRIDGES THAT WOULD ENABLE FINES TO WASH UNDER THE BARRIER THROUGH THE GRASS BLADES OR PLANT STEMS.
- ON SLOPES LESS THAN 5 % *OR AT* THE BOTTOM OF STEEPER SLOPES (<2:1) UP TO 20 FEET LONG, THE BARRIER MUST BE *A MINIMUM OF* 12" HIGH, AS MEASURED ON THE UPHILL SIDE OF THE BARRIER, *AND A MINIMUM* OF TWO FEET WIDE. *ON LONGER OR STEEPER SLOPES,* THE BARRIER SHOULD BE WIDER TO ACCOMMODATE THE ADDITIONAL RUNOFF.
- FROZEN GROUND, OUTCROPS OF BEDROCK AND VERY ROOTED FORESTED AREAS ARE LOCATIONS WHERE BERMS OF EROSION CONTROL MIX ARE MOST PRACTICAL AND EFFECTIVE.
- OTHER BMPS SHOULD BE USED AT LOW POINTS OF CONCENTRATED RUNOFF, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS, AND AT THE BOTTOM OF STEEP PERIMETER SLOPES THAT ARE MORE THAN 50 FEET FROM TOP TO BOTTOM (I.E., A LARGE UP GRADIENT CONTRIBUTING WATERSHED).



MULCH BERM

UTILITY NOTES:

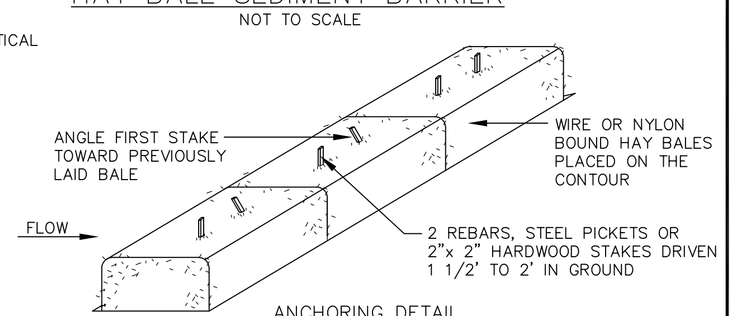
1. CONNECTIONS TO EXISTING UTILITIES SHALL BE IN APPROXIMATE AREAS SHOWN.
2. LOCATIONS OF UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR/OWNER SHALL NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO INSTALLATION OF SERVICES.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL THE UTILITY COMPANIES LOCATE THEIR EXISTING SERVICES PRIOR TO THE START OF CONSTRUCTION.



EMBEDDING DETAIL

HAY BALE SEDIMENT BARRIER

NOT TO SCALE



ANCHORING DETAIL

NOTES:

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4".
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS DIRECTED BY PROJECT ENGINEER.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

LEGEND

- FOUND IRON PIPE
- FOUND IRON ROD
- FOUND CAPPED IRON ROD (STI PLS #2317)
- UTILITY POLE (NUMBER AS NOTED)
- FOUND DECIDUOUS TREE
- FOUND CONIFEROUS TREE
- TREE LINE (APPROXIMATE)
- BOUNDARY LINE
- EASEMENT LINE
- EDGE OF GRAVEL
- EDGE OF PAVEMENT
- RIGHT-OF-WAY LINE
- ABUTTER LINE
- OHU — OVERHEAD UTILITY
- N/F — NOW OR FORMERLY OWNED BY
- 12-3-45 — TAX MAP-BLOCK-LOT

NOTES

1. REFERENCE IS MADE TO THE FOLLOWING PLAN OF RECORD:
   a. "HIDDEN ACRES, SUMMIT STREET, PORTLAND, MAINE, SUBDIVISION PLAN", BY PINKHAM & GREER, DATED OCTOBER 13, 1999, REVISED THROUGH APRIL 13, 2000 AND RECORDED IN PLAN BOOK 200, PAGE 216 (CCRD).
2. RECORD OWNERSHIP OF THE PARCEL SHOWN CAN BE FOUND IN A DEED FROM WILLIAM H. HUNSCHER, JR. TO JERRY W. & CHRISTINE C. LEGERE DATED SEPTEMBER 15, 2004 AND RECORDED IN DEED BOOK 21789, PAGE 185 CUMBERLAND COUNTY REGISTRY OF DEEDS (CCRD).
3. THE PARCEL SURVEYED IS IDENTIFIED ON THE CITY OF PORTLAND ASSESSOR'S MAP 388A, BLOCK A, PARCEL 55.
4. THE PARCEL IS LOCATED IN THE R-2 ZONE. PORTIONS OF BULK AND SPACE REQUIREMENTS ARE AS FOLLOWS:
   MINIMUM LOT SIZE = 10,000 S.F.
   MINIMUM STREET FRONTAGE = 50'
   SETBACKS:
   FRONT = 25'
   REAR = 25'
   SIDES:
   1 & 1-1/2 STORY = 12'
   2 STORY = 14'
   2-1/2 STORY = 16'
5. ELEVATIONS AND CONTOURS ARE BASED ON CITY OF PORTLAND DATUM. SEE PLAN FOR TBM DESCRIPTION.

Revision:	By:	Date:	Change:
1	SMA	9/15/09	REMOVE 18' X 24' PORCH

PROJECT NUMBER: 31593 | ACAD FILE: 31593-RSB.DWG | SCALE: 1"= 20" | DATE: AUGUST 26, 2009

Drawing Name:
GRADING AND UTILITY PLAN

Project Name and Location:
SINGLE FAMILY RESIDENTIAL LOT
56 QUIET LANE, PORTLAND, MAINE

Prepared For:
JERRY LEGERE
PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE 03904

STATE OF MAINE — Allen 9218 — LICENSED PROFESSIONAL ENGINEER — 7/17/09

SHEET 1 OF 1

SURVEYING ENGINEERING LAND PLANNING
Northeast Civil Solutions
INCORPORATED
153 US ROUTE 1, SCARBOROUGH, MAINE 04074
tel 207.883.1000 800.882.2227
fax 207.883.1001
e-mail info@northeastcivilsolutionscom

0 20' 40' 80'

E:\Land Projects\31000\31593-Legere-Quiet Lane-Portland\Engineering\31593-RSB.DWG