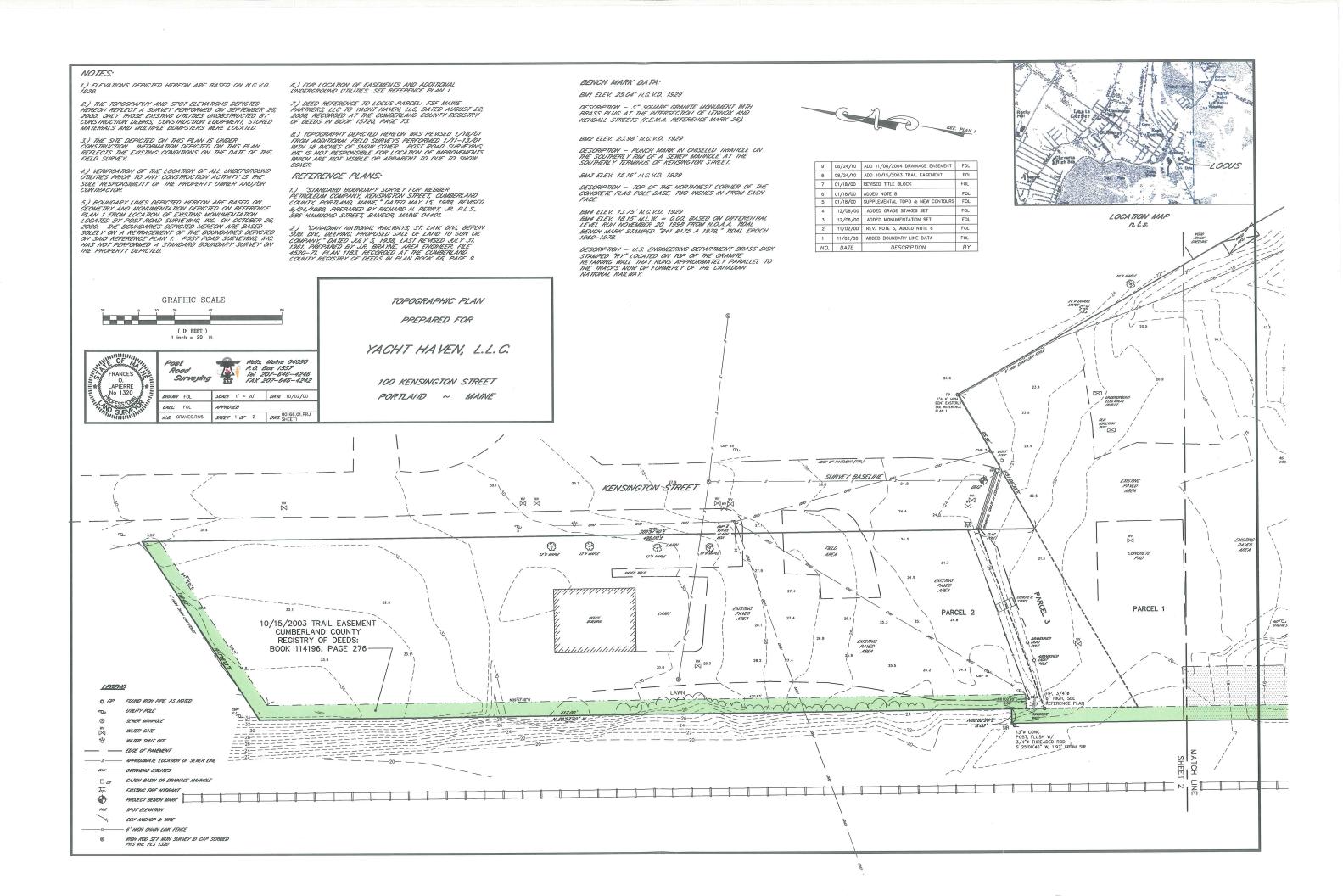
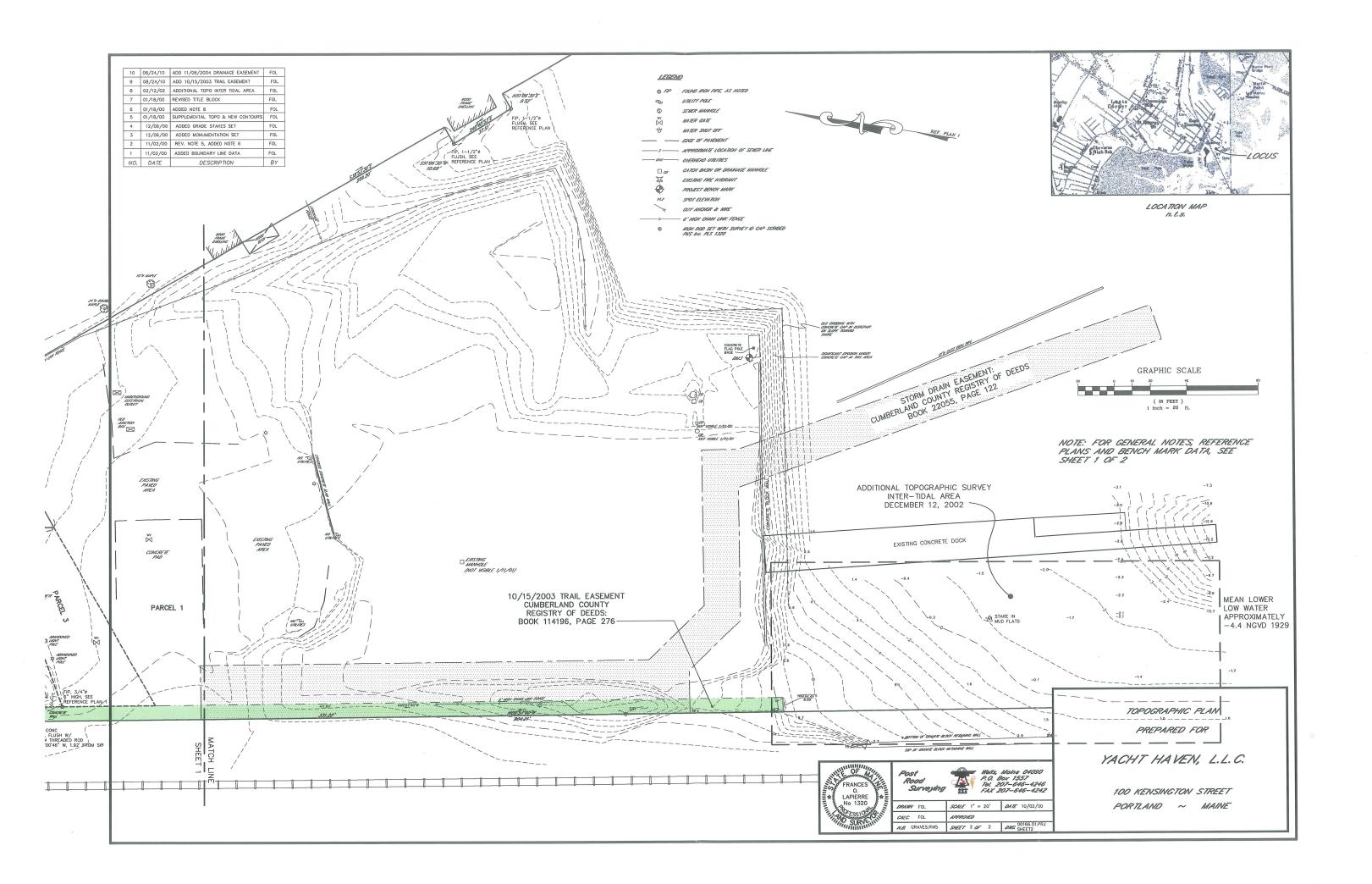
4a9-6-1 65 Kensington St. New Bld. / Dk. lot Yacht Haven

2002-0146

on Spreadshoot







WAINE YACHT CENTER - PHASE 2 LOK DEVELOPMENT PLANS

NOITAJIJAAA NAJA 3TIS Q3I7IQOM S 3SAHA

KENZINCLON SLIEEL

BOKLLAND, MAINE

C-503 C-503 C-101 C-102 C-103 C-103

PIAN LIST COVER SHEET

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LOCATION MAP

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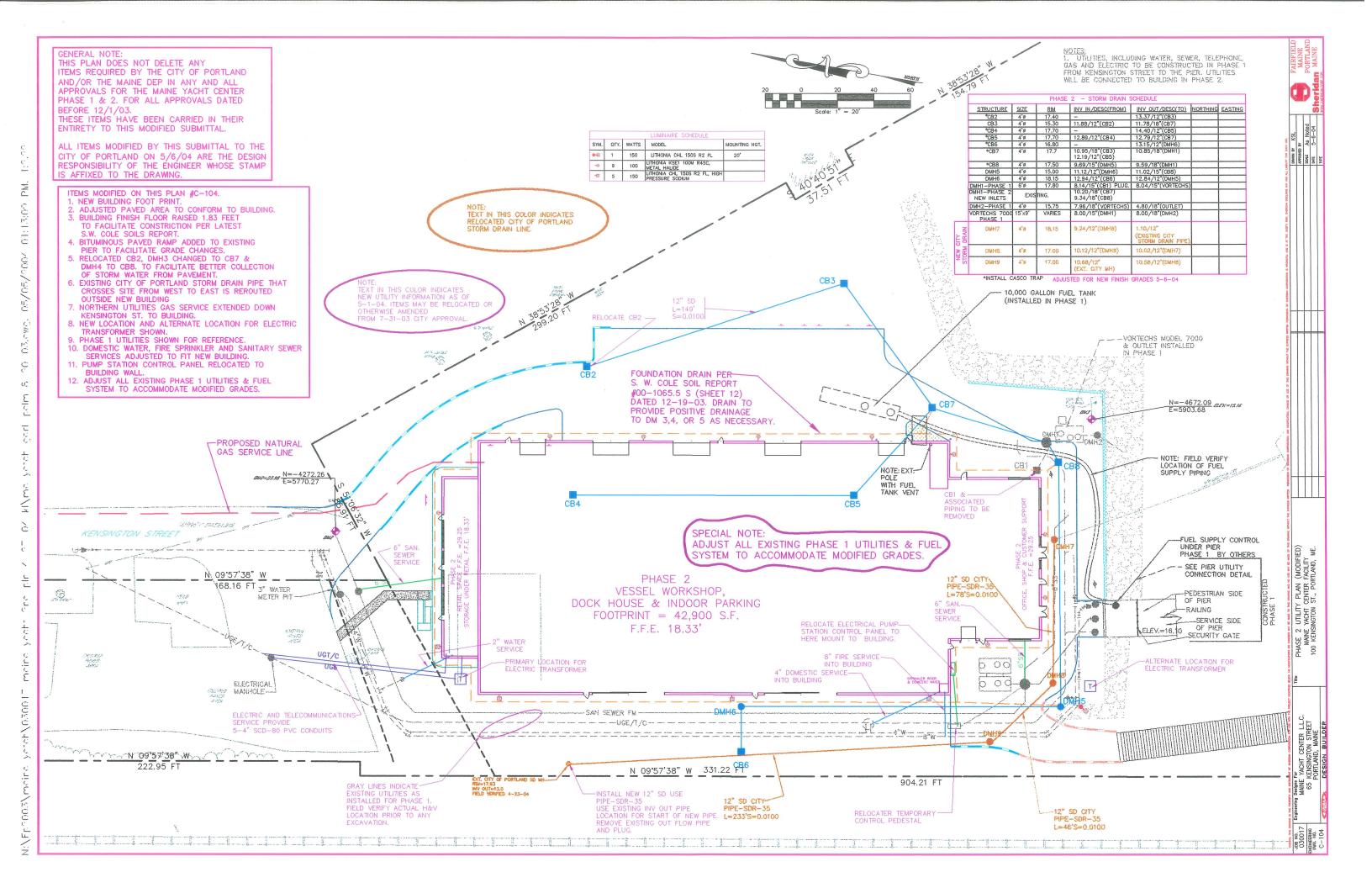
MAP & LOT NUMBERS

SMERRY AND THE STREET 16.00 SPOT ELEVANON

PORTLAND, MAINE 04103 WAINE YACHT CENTER, LLC.

120

JVN



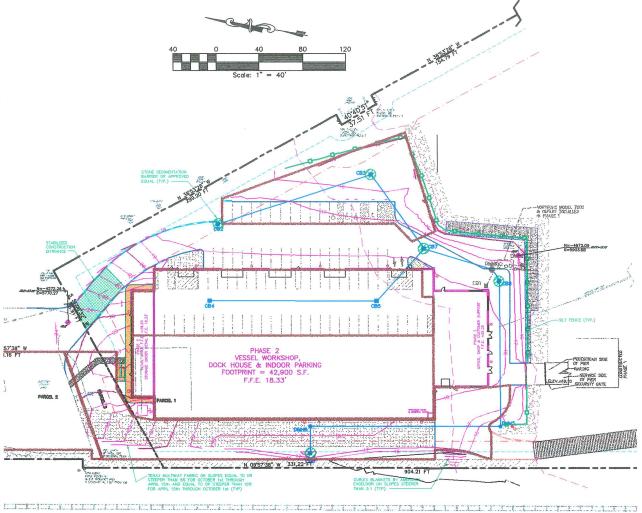
GENERAL NOTE

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THESE ITEMS HAVE BEEN CARRIED IN THEIR ENTIRETY TO THIS MODIFIED SUBMITTAL.

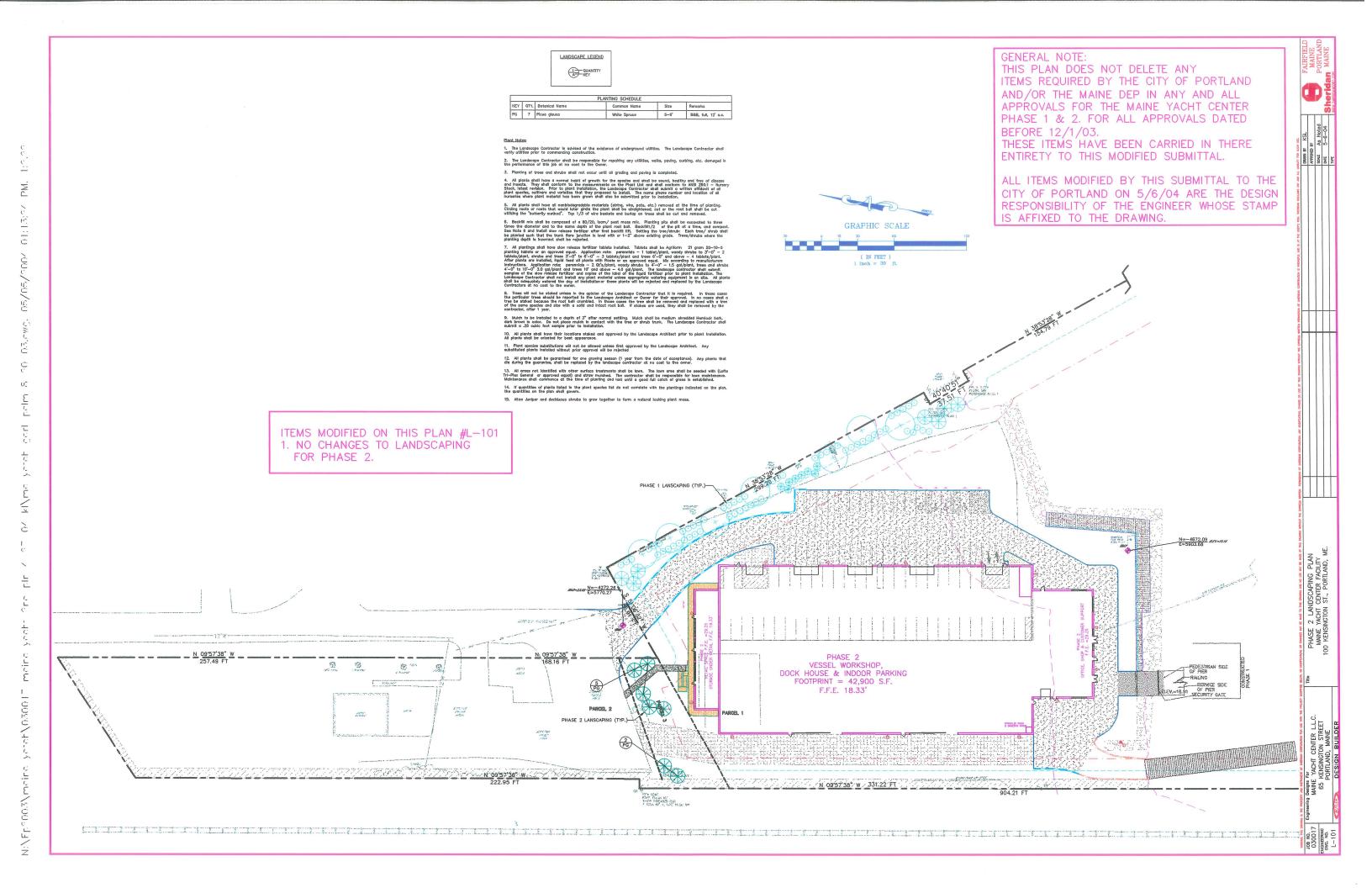
ALL ITEMS MODIFIED BY THIS SUBMITTAL TO THE CITY OF PORTLAND ON 5/6/04 ARE THE DESIGN RESPONSIBILITY OF THE ENGINEER WHOSE STAMP IS AFFIXED TO THE DRAWING.

ITEMS MODIFIED ON THIS PLAN #C-107. 1. ADDED SEDIMENTATION PROTECTION TO CB7 & CB8.



PHASE 2 EROSION CONTROL PLAN # C-106

DRAIN BY
APPROVED B
SCALE
DATE



SITE CONSTRUCTION NOTES AND TECHNICAL REQUIREMENTS

Dia Safe/Utility Locations

The Sheridan Corporation has made a dilligent effort to ascertain the location of all underground utility facilities within the work zone of this project. The utility locations shown on the plans are for information purposes only and do not relieve the contractor/subcontractor from the requirements of the "Dig Safe" law and from locating and marking all underground utilities before commencement of work.

Those contractors / subcontractors responsible for site excavation and other below grade work, are charged with "Dig Safe" protocol. It is the sole responsibility of the contractor / subcontractor to notify Dig SaFe at 1-885-344-7233 at least 72 hours in advance, excluding Saturdays, Sundays and legal Maine holidays, but not more than 30 days in advance of commencement of excavation to field verify and mark all underground utility locations. Additionally, the contractor / subcontractor shall notify all remaining utility companies that are not members of "Dig Safe" to locate their facilities prior to commencement of excavation work.

CONSTRUCTION NOTES

- 1) ALL WORK WILL BE EXECUTED IN ACCORDANCE WITH THE LATEST PUBLISHED TECHNICAL DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY LOCAL CITY OR TOWN OFFICIALS.

 2) ALL ITILITY WORK WILL BE EXECUTED PER THE RULES AND/OR REGULATIONS OF THE APPROPRIATE GOVERNING AUTHORITY.

 3) ALL SUBCONTRACTOR'S ARE RESPONSIBLE FOR CHIMINIO ANY PERMITS INCOMESSIBLE FOR CONSISTENCY FOR THEIR SCORE OF WORK. THEY ARE ALSO OF WORK, AND SUPPLYING WRITTEN PROOF OF ACCEPTANCE OF WORK BY HISPECTUR.

 4) ALL SANITARY SEWER, STORM SEWER, AND WATER CROSSINGS SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE STATE AND CITY STANDARDS.

Site Fill Materials:

Foundation Fill Materials:

This motorial shall meet the following gradations: Sleve Size Percent Passing 100 70-100 35-70 5-35 0-5

Structural fill shall consist of a well graded gravely and to sandy gravel. It shall be free of arganic material, loom, trash, anow, les, frazen soil or other deletarious material and conform to the gradation indicated in the table above. Boulders of greater than the placed lift thickness shall be removed prior to compaction.

Structural fill shall be placed in layers not exceeding 12 in. (loose measurs) and compacted with heavy operator—driven compaction equipment and in 6 in. layers if utilizing hand guided or small remote controlled vibratory equipment. Lift thickness may require to be reduced if difficulty in achieving the required compaction.

Structural fill shall be compacted at approximately optimum moleture content (plus 1 to minus 2 percent) to 95 percent of madmum dy density as determined by ASTM D1557 (modified density).

B. Granular Borrow:
Granular Borrow:
Granular borrow or structural fill may be used as a backfill motivated as follows:
1. For backfilling exterior footings, foundation and frost walls and retaining wall excavations.
2. For raising building interior sits grades to subbase grade; frost free backfill to subbase below access drives and parting area povement.

Granular borrow shall consist of sand or gravel of hard durable particles free from vegetable mother, lumps or balls of clay and other deletrious substances. The gradeation of that partial passing a 3 linch sleve shall meet the following gradeaton

Sieve Size Percent Passing No. 40 0-70 No. 200 0-20

Surface tolerance of 3/8in., above or below the required cross sectional shape shall be maintained.

General Site Fill Materials:

Common Sorrow:
Common borrow may be used as a non-building site fill material to rules site grades to subbase level. This material and installation shall follow the Maine Dept. of Transportation Specifications Revision of 1995. The utilization of this material is subject to the review of the Engineer prior to the use.

NOTE:
SUBSURFACE PREPARATION WILL ENTAIL THE REMOVAL
OF TOPSOIL, ALL UNSUITABLE MATERIALS, STIMPS,
TRACK, ETC. THEN IT WILL BE PROOF ROLLED.
STRUCTURAL FILL PLACED IN 12" MAX. LIFTS AND
COMPACTED TO 98% DRY DENSITY. THIS APPLIES
ALL BULDING PAYED AREA
GRADING OF SUBGRADE WILL BE MINUS THE DEPTH
OF ALL SUBSIASE, BASE WAND FINISH MATERIALS.
WITH ALLOWIBLE GRODE DEVATION OF PLUS OR
LAMER 1/10 OF ONE FOR

SPECIAL NOTE:
ALL RIP RAP TO BE
ANGULAR, CRUSHED STONE
GRADED FOR SIZE.
SMOOTH BANK RUN STONE
IS NOT ALLOWED

GENERAL NOTE

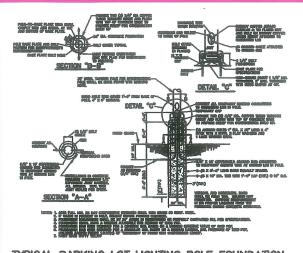
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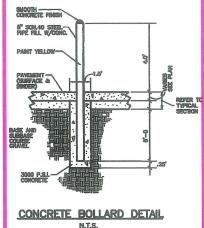
ALL ITEMS MODIFIED BY THIS SUBMITTAL TO THE CITY OF PORTLAND ON 5/6/04 ARE THE DESIGN RESPONSIBILITY OF THE ENGINEER WHOSE STAMP IS AFFIXED TO THE DRAWING.

NOTE: ITEMS MODIFIED THIS SHEET

- 1. MISCELLANEOUS CONSTRUCTION NOTES ADDED. 2. REVISED PAVEMENT SECTION.
- 3. REVISED GRASS PAVER SECTION

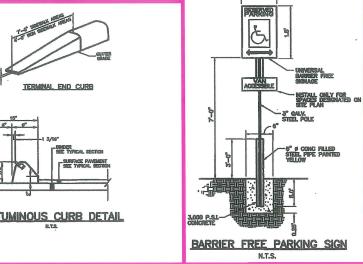


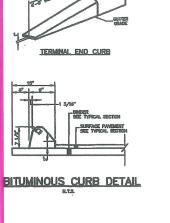
TYPICAL PARKING LOT LIGHTING POLE FOUNDATION

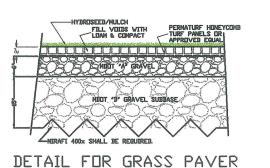




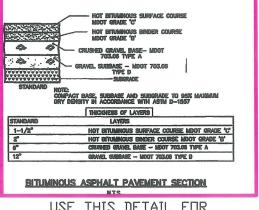
© OF PARIONS SPACE







12 NM SUPERPAVE SURFACE MEETING LATEST NIDET SPECS. DETAIL 1



USE THIS DETAIL FOR RAMP AT PIER

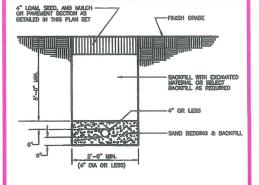
MAINE YACHT C MAINE YACHT C 65 KENSINGTC PORTLAND, DESIGN

GENERAL NOTE THIS PLAN DUES NOT DELETE ANY ITEMS REQUIRED BY THE CITY OF PORTLAND AND/OR THE MAINE DEP IN ANY AND ALL APPROVALS FOR THE MAINE YACHT CENTER PHASE 1 & 2. FOR ALL APPROVALS DATED THESE ITEMS HAVE BEEN CARRIED IN THEIR

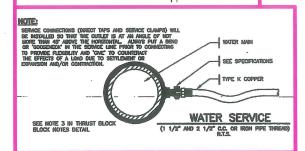
ENTIRETY TO THIS MODIFIED SUBMITTAL.

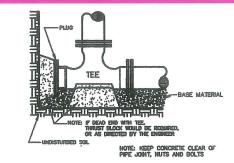
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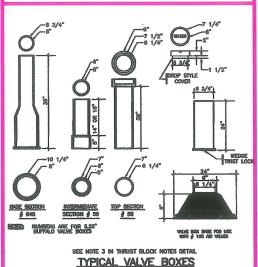


SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL WATER SERVICE TRENCH SECTION





SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL STANDARD TEE BLOCKING N.T.S.



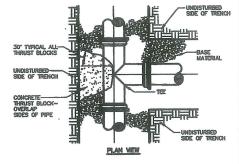
THRUST BLOCK NOTES

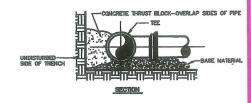
- 1. INSTALL POLY BARRIER SETWEEN PIPE AND ALL THRUST BLOCKS.
- 3. ANY WORK RELATING TO WATER PIPING OR DETAILS SHALL BE IN

PPE	1/32 BEND	1/16 9910	1/8 BEND	1/4 BEND	TEES/CAF
8"	2.9	5.7	11.1	20.5	14.5
4°	0.6	1.6	3.1	5.8	4.1

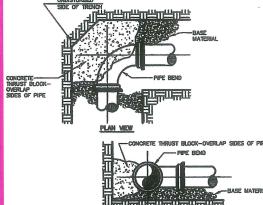
- ASSUMING TEST PRESSURE = 150 PS, PASSIVE SCIL, PRESSURE = 1000 PS - BEARING SURFACE REQUIRED IN SQUARE FEET







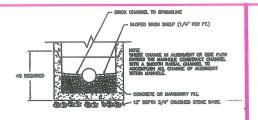
TYPICAL THRUST BLOCK PLACEMENT ON TEES N.T.S.





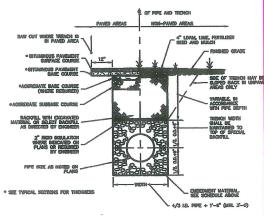
SCHEDULE IS SUBJECT TO THE APPROVAL OF THE ON-SITE INSPECTOR S AND WORKING PRESSURES IN THE AREA. SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL

TYPICAL THRUST BLOCK PLACEMENT ON BENDS N.T.S.

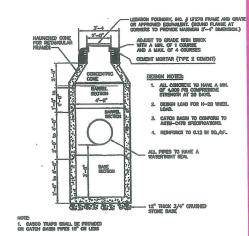


STORM DRAIN & SEWER MANHOLE BRICK CHANNEL DETAIL

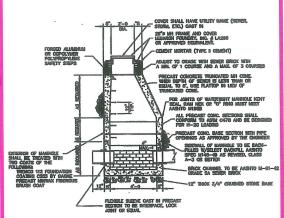




TYPICAL TRENCH SECTION N.T.S.

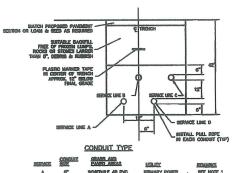


4'-0" PRECAST CATCH BASIN





4'-0" PRECAST STORM DRAIN & SEWER MANHOLE



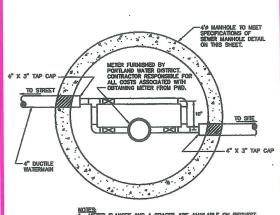
			I DO EACE	CONDUIT (TYP)	
		CONDUIT TYPE			
SERVICE	CONDUIT	PANED AREAS	MILLY	EVANUE	
A	6	SCHEDULE 48 PVC ELECTRICAL GRADE	PRIMARY POWER .	SEE NOTE 1	
В	40	SCHEDULE 40 PVC	TELEPHONE	SEE NOTE 1	
¢	2°	SCHEDULE 40 PVC	CABLE	SEE NOTE 1	
D	2°	SCHEDULE 40 PVC	SECONDARY POWER	SEE NOTE 1	

NOTE:

1. PROVIDE GALVANZED STEEL LONG SHEEP AT FISER POLE AND EXTEND GALVANZED COMMUTE TO 10" ABOVE GRADE AT POLE WITH STAND-OFF eracets

2. All dimensions, sizes, number of conduits and materials to be
venued with serving utilities.

UTILITY TRENCH — PRIMARY AND SECONDARY POWER, TELEPHONE, AND CABLE M.T.S.



1. METER FLANGES AND A SPACER ARE AVAILABLE ON REQUEST. BY THE PLUMBER, AT THE PORTLAND WATER DISTRICT. 2. ALL PIPING WITHIN METER PIT SHALL BE $2^{\rm o}$ COPPER TUBING WITH BRASS GATE VALVES.

3" WATER METER PIT AND VALVE SCALE: 1" = 1"

CENTER LLC TON STREET 3, MAINE

S A

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The following measures are planned as temporary erasion/sedimentation control measures during construction:

A crushed stone stabilized construction entrance shall be placed at a intersection of the site roadway and Kensington Street.

2. Sitation fence shall be installed downstream of any disturbed creas to trap runoff borne sediments until the tributary disturbed area in revegetanted. The sit fence shall be installed par the detail provided in the plan set and inspected immediately after sech rainfall and at feest day during protologic draids. Regular said be made if there are any signs of enceion or sedimentation below the fence line. If there are signs of undersuting at the center or the edges, or impounding of large volumes of water behind fence, the barrier shall be replaced with a stone check down.

check com.

3. Stror or hay mulch including hydroseeding is intended to provide cover for demanded or eseded areas until renegation to established. Butch placed between April 15th and October 1st on alopee of equal to or etesper then 15 percent shall be covered by a fabric nattling and anchored with sloples in accordance with moniforcture? excommendation. Butch placed between October 1st and April 15th an alopes of less than 8 percent shall be enchored by applying unter, mulch placed an alopes equal to or steeper than 8 percent shall be enchored by applying unter, mulch placed an alopes equal to or steeper than 8 percent shall be covered with a fabric netting and enchanced with steepers in accordance with the menunfacturers recommendations. Soppes alseep than 31 which are to be revegetated shall readless curies blanks by American Exceletor or equal.

4. Temporary stockpiles of stumps, grubbings, or common excavation will be protected as follows:

S. All new danucled areas that are within 50 feet of a welland or open water that will remain, which have been rough graded and are not located within the roudway subbees area; shall receive much or erasion control mesh fabric within 7 days of hillid disturbance of solt. All areas within 50 feet of a welland or open water body, within will remain shall be mulched prior to any predicted rate sevent regardless of the 7-day window. In other areas, the time period may be extended to 14 days.

6. For work, which is conducted between October 15 and April 15 of any actiender year, all denuded areas will be covered with hay match, applied at twice the normal application rate and enclored with a father netting. The time period for applying mulch as noted in Poragraph 5 above, shall be limited to 7 days for all areas.

7. Kennington Street shall be swept to control mud and dust as necessary.

6. During grubbing operations atone check dams may be installed at any oldent concentrated flow discharge points.

Sit fencing with a minimum stake spacing of 6 fest should be used, unless the fence is supported by wire fence reinforcement of minimum 14-gauge and with a maximum mesh spacing of 6 inches, in which caus stakes may be spaced a maximum of 10 fest apart. The bottom of the fence should be archored.

Water and/or calcium chloride shall be furnished and applied in accordance with MDOT specifications — Section 637 — Dust Control.

11. Loam and seed is intended to serve as the primary permanent reversitative measure for all densided areas not provided with other erosion control measures, such as rigrap. Application rotas are provided in the Seeding Plan. Seeding shall not occur over snow.

12. Temporary seed mixture shall be annual rys grass opplied at the rate of 0.9 lbs/1000 sq. ft.

nonent Erosion Control Measures

The following permanent ercelon control measures have been designed as part of the Ercelon/Sedimentation Control Plan:

1. All storm drain pipe outlets shall have riprop oprone at their outlet to protect the outlet and resolving channel of the outletes from soour and deterioration. Installation details are provided in the pion set. The oprone shall be lastided and stabilized to the extent procticoble prior to directing nanoff to the thoutary pipe or autem.

2. All crease disturbed during construction, but not subject to other restoration (proving, riprop, etc.) will be loamed, limed, fartilized, mulched, and seeded. Fartire extensions, charten extension to the mulch in crease as noted in paragraph 5 of Temporary Ercelon Control Meanures. All crease within 50° of a welland or open water body, which will remain shall be mulched prior to any pradicted rain event regardless of the 7-day window. Native topical shall be stockpilled and reused for final restoration when it is of sufficient quality.

3. Catch basins will be provided with sediment sumps and inlet heads for all cutlet place that are 12" in diameter.

The following construction sequence shall be required to insure the effectiveness of the erosion and sedimentation control measures are

Note: For all grading activities, the contractor shall exercise extreme contion not to everapose the site by limiting the disturbed area. 1. Install crushed stone stabilized construction entrance at the intersection of the site driveway and Kensington Street.

2. Clear work orner

3. Install perimeter elitation fence for roadway construction and temporary parking and fill areas.

4. Clear and grub work areas using care not to overexpose the site.

5. During grubbing operations, install stane check dame at any evident concentrated flow discharge points.

6. Commence earthwork operations.

7. Commence excavation of building foundation.

B. Commence installation of waterline and sewer main.

9. Continue earthwork and grading to subgrade as necessary for construction.

Install light pole foundations and utility poles as well as underground elec./tel./cable services.

11. Complete all remaining earthwork operations.

12. Complete installation of all utilities.

13. Loam, ilme, fertilize, seed, and mulch disturbed areas. 14. Remove accumulated sediment from ahead of any sediment barriers

15. Once the site is stabilized and a 75% catch of vegetation has been obtained, remove all temporary erosion control measures.

16. Touch up form and seed.

Note: All denuded (created by this construction) areas not subject to final paving, riprop or gravel, shall be revegetated.

Prior to construction of the access drives, parking areas and utilities, the contractor shall submit a schedule to the Owner for the completion of the work, which will satisfy the following criterio:

1. The above construction sequence should generally be completed in the specified order; however, several separate items may be constructed emutateneously. Work must cabe be eshedded or phrased to prevent the extent of the exposed areas as specified below. The intent of this sequence is to provide for excellent and to have structural measures such as set fence and construction entrance in place before large areas of land are demoded.

2. The work shall be conducted in sections which will:

a) Limit the amount of exposed area to those areas in which work is expected to be undertoken during the proceeding 30 days.

b) Revergetate disturbed areas as rapidly as possible. All areas shall be permanently stabilized within 7 days of find grading or before a storm event; or temporarily stabilized within 7 days of inflied disturbances of sol for areas within 50 fact of a settlend or open water body, which will remain and 14 days for all other areas. Areas within 50 fact of a welland, which will remain shall be muchad prior to any predicted rain event regardees of the 7-day window.

a) incorporate planned inlets and drainage system as early as possible into the construction phase. The ditches shall be immediately lined or installable to provide the construction of t

It is anticipated that construction of the access road, utilities and other sits improvements can be completed in one construction season. However, if any work is necessary between October 15 and April 18, the contractor shall autimit a schedule which will existly the following criterics. Once first grads has been established, the contractor may discuss to dammant seed the disturbed areas prior to placement of mulch and placement of faster activity and enabred with stoples.

c. If domant useding is used for the sits, all disturbed areas shall receive 4° of foam and seed at an application rate of 5g/1000 a.f. Seeding shall not occur over snow.

All creas seeded during the winter months will be inspected in the sprin for edequate cycle... All creas sufficiently vegetated (less than 75 percent catch) shall be revegetated by replacing loam, seed and mulch.

4. The area of diese of desuded non-stabilized construction shall be limited to the minimum area producable. An area shall be considered be desuded until the subbone growd in Installed in the road or panel areas or the areas of future loam and seed have been loamed, seeded, and mulched. The mulch rate shall be britted the rate specified in the seeding plan (for example, 115@f1,000 a.f. x 2 = 230@/a.f.). 5. The schedule shall be subject to the approval of the Owner.

The Contractor must install any added measures which may be nece to control erasion/sedimentation from the sits dependent upon the actual sits and weather conditions. The Contractor shell note that no areas within 50 fact of a welfand shreaman denuded for a period of our 7 days before it is improvedly multiple of the contract of the contraction between October 15 and April 15 of any calendar year, all areas shell be temporarily stabilized with 7 days. For construction between October 15 and April 15 of any calendar year, all areas shell be temporarily stabilized with 7 days.

Provisions for Maintenance of the Fracion/Sedimentation Control Feature

The Controcter shall prepare a list and designate by name, address and telephone number all individuals who will be responsible for implementation, imageation and maintaneous of all evalent control measures identified within the section and as contained in the Ereston and Sedimentation Control Plan of the controct drawings. Specific

Assuring and certifying the owner's construction sequence in the conformance with the specified schedule of this section. A weakly certification setting compliance, any development, and corrective measure necessary to comply with the creation control requirement of this sect wildlib perpended and signed by the inspectancy(s).

In addition to the weekly certifications, the inspector(a) shall maint written reports recording construction activities on site which include: Dates when major grading activities occur in a particular area.

Dates when major construction activities cease in a particular area, either temporarily or permanently.

Dobes when an area is stabilized.

3. Impaction of this project work site on a weeley basis and offer each significant carried event (Q.5 Inches or more within any conseputive 24 significant carried event (Q.5 Inches or more within any conseputive 24 more than the control of the control of

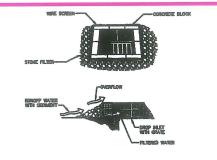
identification of proper erosion control measure installation in according the erosion control detail sheet or as specified in this section.

Accumulated sit/sediment should be removed when the depth of sediment reaches 50 percent of the barrier height. Accumulated sit/sediment should be removed from behind silt fencing when the de of the sediment reaches 6 inches.

4. If inspection of the site indicates a change should be made to the erosion control plan, either to improve effectiveness or correct a site specific deficiency, the inspector shall immediately implement the corrective measure and notify the Owner of the change.

Prior to any construction at the site, representatives of the Contractor shall arrange for and meet with the Center and a representative of the City to discuss the scheduling of the site construction. To on their and the contraction of the site o

ITEMS MODIFIED ON THIS SHEET 1. NO CHANGES.



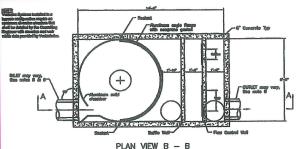
SPECIFIC APPLICATION THIS METHOD OF BILET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE ENTECTED AND WHERE AN OVERFLOW CAPACITY IS RECEIVANT TO PREVENT EXCESSIVE PORTION AND THE STRUCTURE.

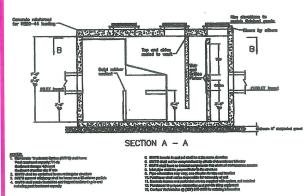
WARE MESH SHALL BE PLACED OVER THE OUTSIDE VERTICAL FACE (MEMBANG) OF THE CONCRETE SLOCKS TO PREVENT STONE FROM SENIO WASHED THROUGH THE HOLES IN THE BLOCKS. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2" OFFINIOS SHALL BE USED.

3. STONE SHALL BE PILED AGAINST THE WINE TO THE TOP OF THE BLOCK BARRIER, AS SHOWN IN DETAIL. THE STONE PILTER SHALL BE 3/4" CRUSHED STONE.

4. IF THE STONE FILTER SECONES CLOSED WITH SEMMENT, SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE SYDNE MUST BE PULLED ARMY FROM THE MICCIS. CLEANED AND REPLACED.

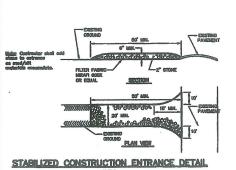
STONE SEDIMENT RARRIER

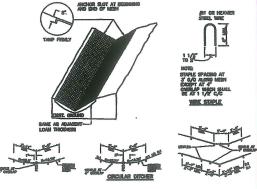




WATER QUALITY UNIT

WOOD POST - SUPPORT THE -1999 SECTION B-B SECTION A-A SILTATION FENCE DETAIL





STAPLES AT EDGES, AT QUARTER POINTS, AT 4° OVERLAP FROSION CONTROL MESH

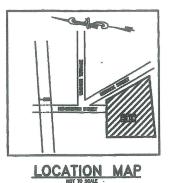
DETAILS

CONTROL

SEDIMENTATIN CENTER FACILITY ST., PORTLAND

EROSION & MAINE YACHT (

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DEVELOPMENT PLANS FOR

MAINE YACHT CENTER - PHASE 2

PORTLAND, MAINE

KENSINGTON STREET

PHASE 2 MODIFIED SITE PLAN APPLICATION

PROJECT PARCEL SITE PORTLAND ASSESSOR'S

BLOCK LOT 013 430 8

Owner & Applicant MAINE YACHT CENTER, L.L.C.

LEGEND

EDGE OF PANELSHIT GRADING CONTOUR LIN THE STATE OF THE S UNLITY POLE
PRICESTANDING SIGN
PAINTED DIRECTIONAL TR OVERNIEAD ELECTRIC/TELEPHONE TOTAL STORM DRAIN LINE — 20. GIV—— CILVENT PARE SHALL OFF VALVE
SMINO MANNOLE

MANNOLE

MANNOLE CB III CATCH BASIN TEST FIT OLY FORCE - POMMETER

DESCRIPTION

UTILITIES

The Sheridan Corporation shall not be held liable for the contractor $\!\!\!/$ subcontractor's errors.

NOTES

LAYOUT MOTES.

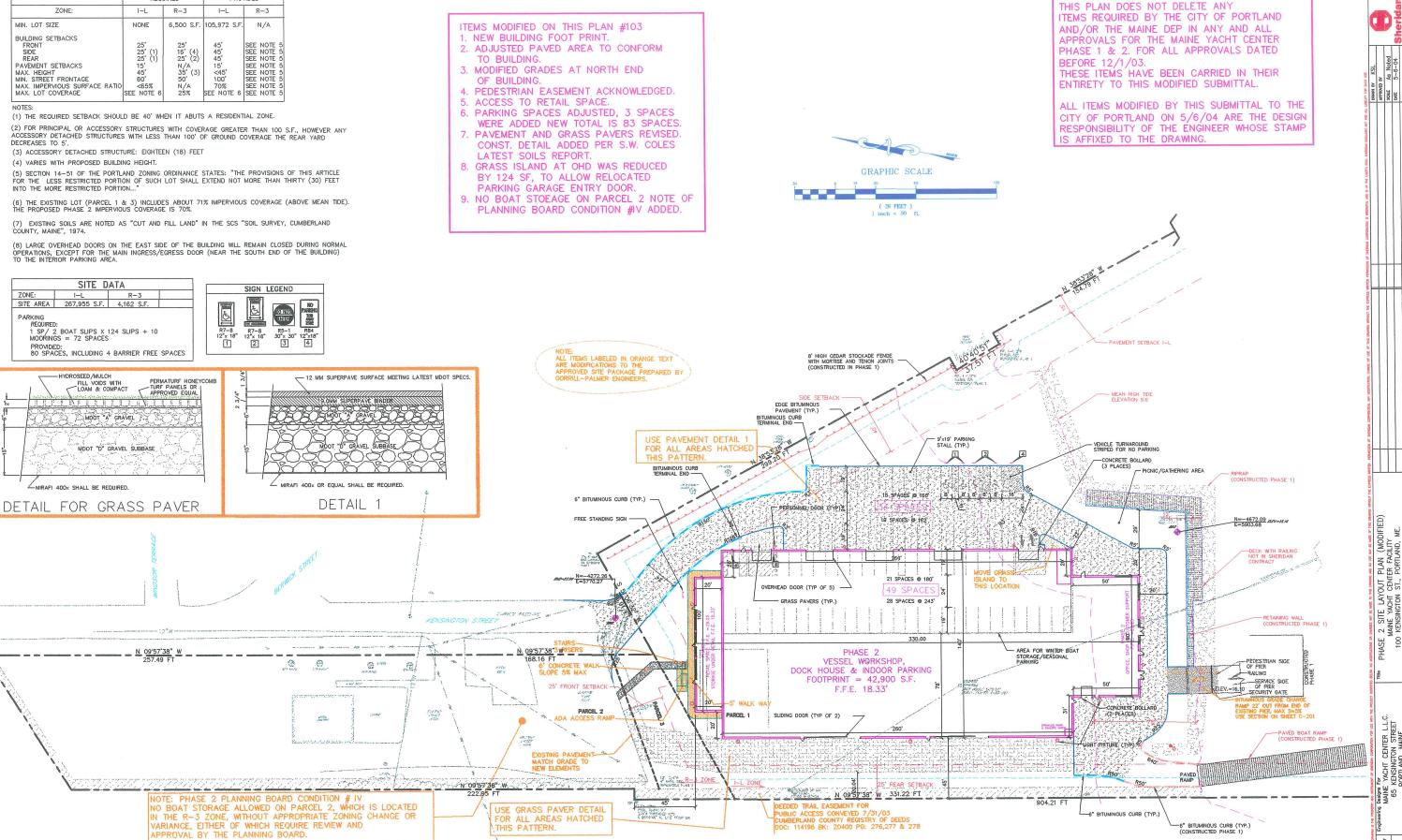
1. ALL INSTRUMENT, UNLESS NOTED CONTINUES, IS TO THE EDGE OF PARAMETER.

1. LAND DISTURBING ACTIVITIES SHALL BE ACCOMPLISHED IN A MANNER AND SECURING THAT CAUSES THE LEAST PRACTICAL DISTURBANCE OF

PLAN LIST SHEET C-001 C-101 C-102 C-103 C-104 C-105 C-106 C-107 L-101 C-201 C-202 C-203 TITLE COVER SHEET COVER SHEET
N / A
N / A
SITE LAYOUT PLAN
UTILITY PLAN
GRADING & DRAINAGE PLAN
EROSION CONTROL PLAN
OPERATIONS PLAN
LANDSCAPING PLAN
SITE CONSTRUCTION DETAILS
UTILITY DETAILS
EROSION & SEDIMENTATION
CONTROL DETAILS

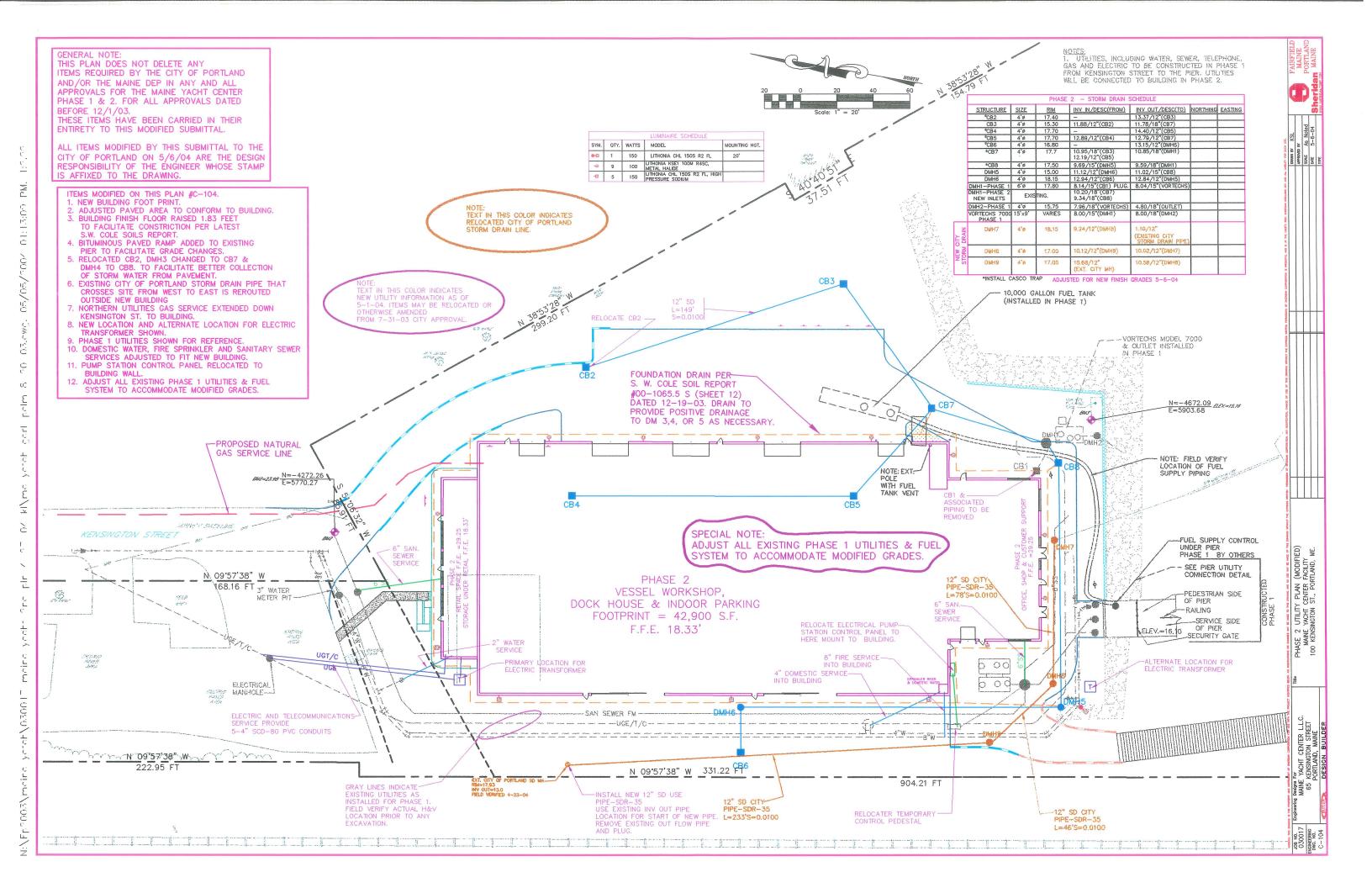
NOTE: THIS SITE DESIGN PACKAGE
CONSISTS OF ALL THE REFERENCED
PLANS AND THE COMPLETE TOWN
AND ANY OTHER APPLICABLE

SPACE AND BULK STANDARDS					
	REQUIRED		PROVIDED		
ZONE:	I-L	R-3	I-L	R-3	
MIN. LOT SIZE	NONE	6,500 S.F.	105,972 S.F.	N/A	
BUILDING SETBACKS FRONT SIDE REAR PAVEMENT SETBACKS MAX. HEIGHT MIN. STREET FRONTAGE MAX. IMPERMOUS SURFACE RATIO MAX. LOT COVERAGE	25' (1) 25' (1) 25' (1) 15' 45' 60' <65% SEE NOTE 6	25' 16' (4) 25' (2) N/A 35' (3) 50' N/A 25%	45' 45' 45' 15' <45' 100' 70% SEE NOTE 6	SEE NOTE 5	
NOTES: (1) THE REQUIRED SETBACK SHOULD BE 40' WHEN IT ABUTS A RESIDENTIAL ZONE.					

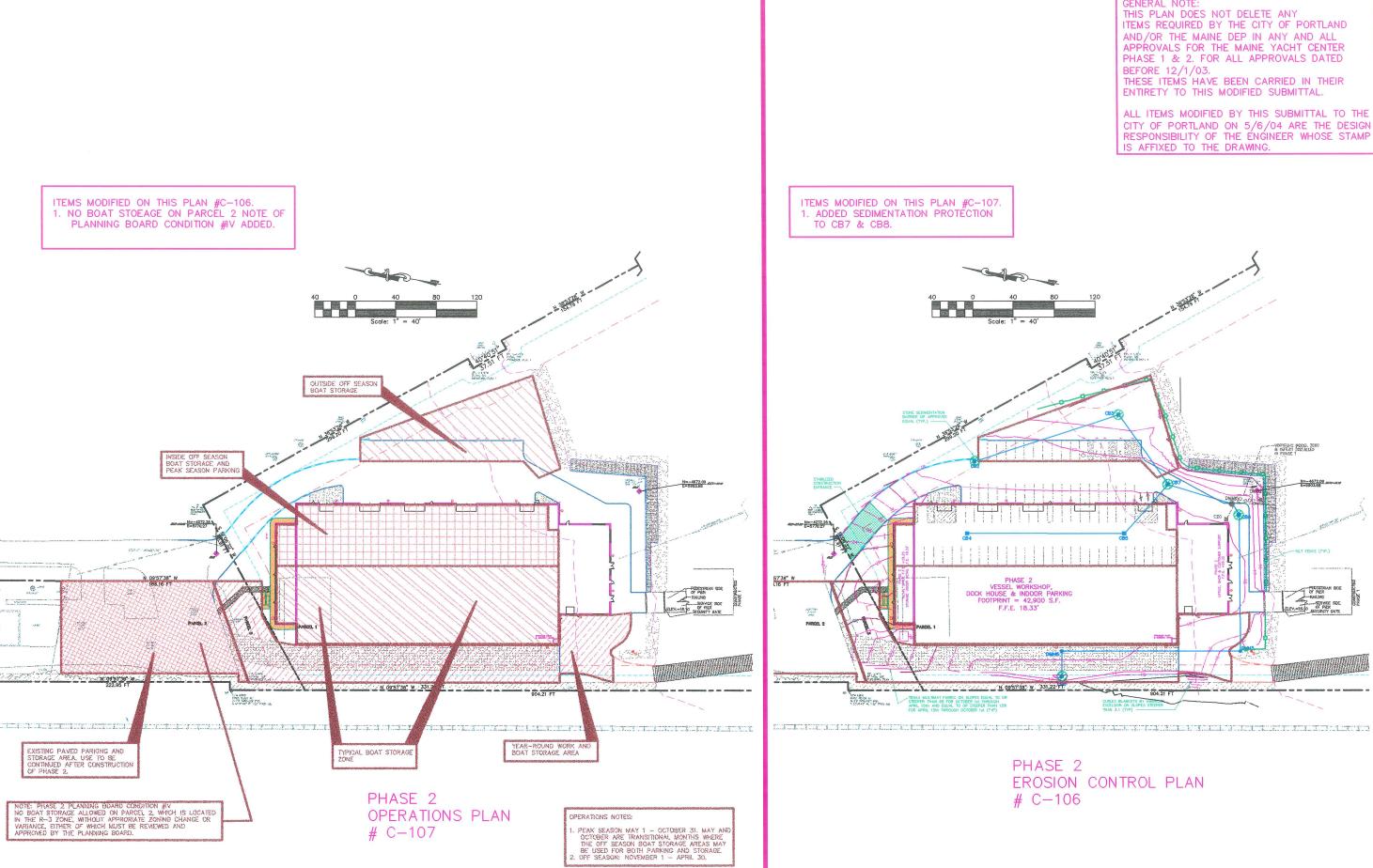


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GENERAL NOTE:



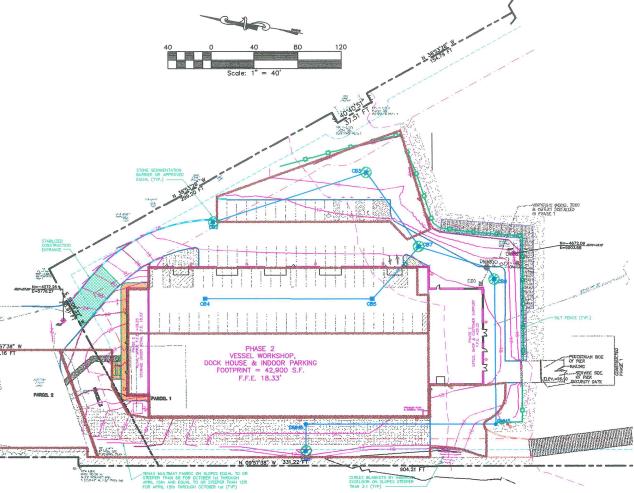
GENERAL NOTE



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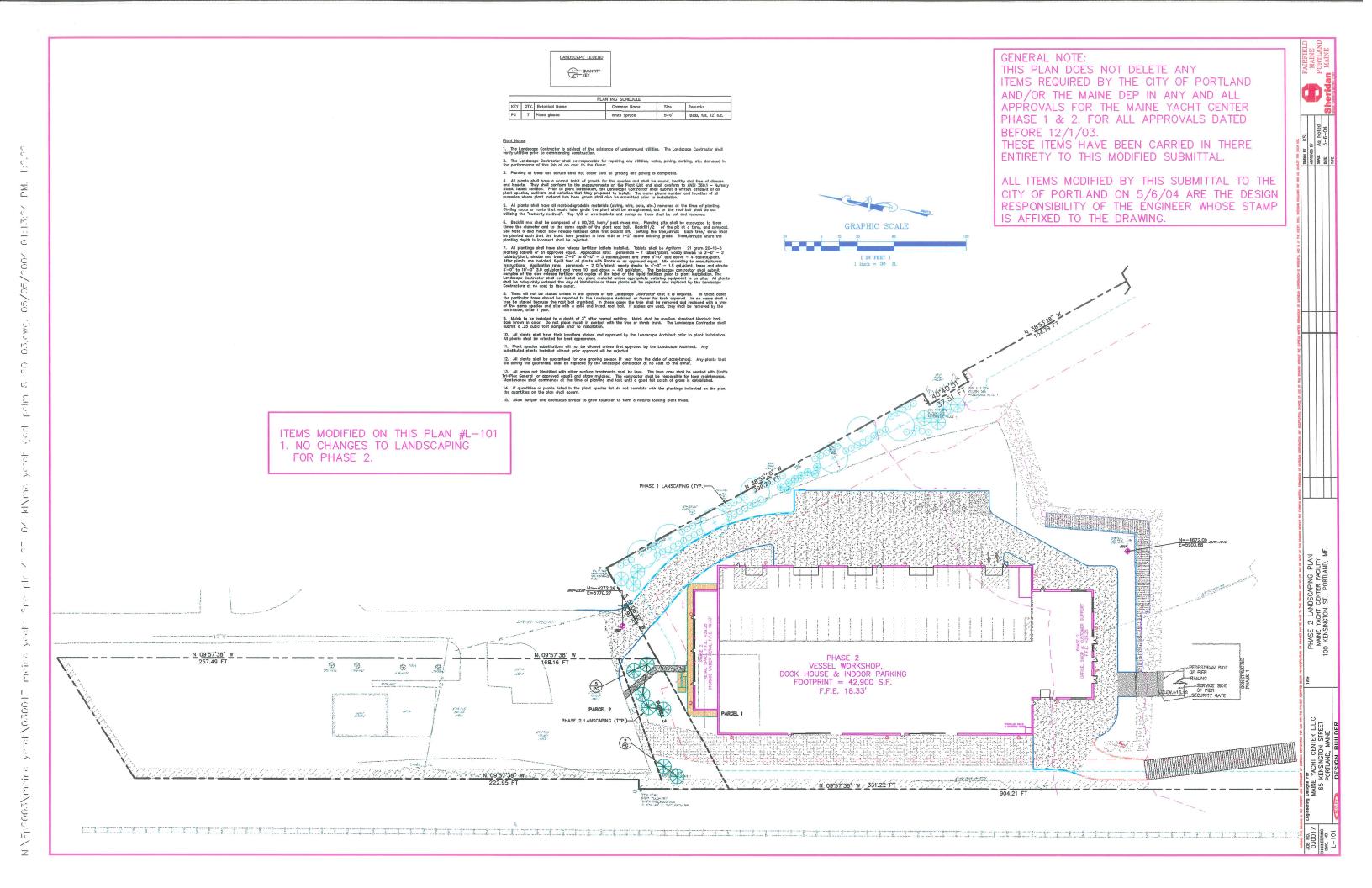
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ITEMS MODIFIED ON THIS PLAN #C-107. 1. ADDED SEDIMENTATION PROTECTION TO CB7 & CB8.



PHASE 2 EROSION CONTROL PLAN # C-106

DRAWN BY
APPROVED B
SCALE
DATE
TYPE



SITE CONSTRUCTION NOTES AND TECHNICAL REQUIREMENTS

The Sheridan Corporation has made a dilligent effort to ascertain the location of all underground utility facilities within the work zone of this project. The utility locations shown on the plans are for information purposes only and do not relieve the contractor/subcontractor from the requirements of the "Dig Safe" low and from locating and marking all underground utilities before commencement of work.

Those contractors / subcontractors responsible for site excavation and other below grade work, are charged with "Dig Safe" protocol. It is the sole responsibility of the contractor / subcontractor to notify Dig SaFe at 1-886-344-7233 at least 72 hours in advance, excluding Saturdays, Sundays and legal Maine holidays, but not more than 30 days in advance of commencement of excavation to field verify and mark all underground utility locations. Additionally, the contractor / subcontractor shall notify all remaining utility companies that are not members of "Dig Safe" to locate their facilities prior to commencement of excavation work.

The Sheridan Corporation shall not be held liable for the contractor / subcontractor's errors.

CONSTRUCTION NOTES

- 1) ALL WORK WILL BE EXECUTED IN ACCORDANCE WITH THE LATEST PUBLISHED TECHNICAL DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY LOCAL CITY OR TOWN OFFICIALS.

 2) ALL UTILITY WORK WILL BE EXECUTED POR THE RULES AND/OR REGULATIONS OF THE APPROPRIATE GOVERNING AUTHORITY.

 3) ALL SUBCONTRACTORS ARE RESPONSIBLE FOR DEFINING ANY PERMITS NECESSARY FOR THEIR SOUTH, OF WORK.

 NECESSARY FOR THEIR SOUTH, OF WORK.

 OF WORK, AND CUMPLISHED WITHEN PROOF OF ACCEPTANCE OF WORK.

 BY INSPECTOR.

Site Fili Moterials:

Foundation Fill Materials:

A. Structural Fill: Structural fill shall be used for the following purposes: 1. To provide a minimum 12 inch base below the building floor slab. 2. To backfill interior factings and over excavated wall and interior facting excavations.

This moterful shall meet the following gradations: Sleve Size Percent Pessing 0 in 100 3 inch 70-100 Mo. 4 35-70 No. 40 5-35 No. 200 0-5

Structural fill shall consist of a well graded gravely sand to sandy gravel. It shall be free of arganic material, loam, trask, snow, lee, frazen soil or other deletatious material and conform to the gradation indicated in the table above. Soulders of greater than the placed lift trickness shall be removed prior to compaction.

Structurel fill shall be placed in layers not exceeding 12 in. (loose measure) and comported with heavy operator—driven comportion equipment and in 6 in. layers if utilizing hand suicide or small remote controlled viboratory equipment. Lift thickness may require to be reduced if difficulty in achieving the required compaction.

Structural fill shall be compacted at approximately optimum moleture content (plus 1 to minus 2 percent) to 95 percent of modernum dy density as determined by ASTAI D1557 (modified density).

B. Grandar Barrow:
Granular barrow or structural fill may be used as a backfill
material as follows:
1. For backfilling exterior footings, foundation and frost
walls and retaining wall excovations.
2. For ratining building interior sits grades to subbase grade;
frost free backfill to subbase below access drives and parking

Granular barrow shall consist of sand or gravel of hard durable particles free from vegetable matter, lumps or balls of clay and other deletations substances. The gradition of that particle passing a 3 linch slave shall meet the following gradation requirements.

Surface tolerance of 3/8in., above or below the required cross sectional shape shall be maintained.

Common Borrow:
Common borrow may be used as a non-building site fill material to rube site grades to subbase level. This material and installation shall follow the Maine Dept. of Transportation Specifications Revision of 1995. The utilization of this material is subject to the review of the Engineer paier to fits use.

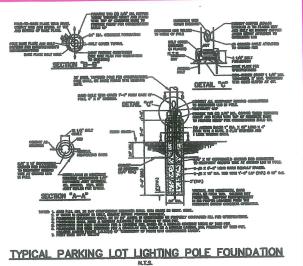
NOTE:
SUBSURFACE PREPARATION WILL ENTAIL THE REMOVAL
OF TOPSOIL, ALL UNSUITABLE MATERIALS, STUMPS,
TRASH, ETC. THEN IT WILL BE PROOF ROLLED.
STRUCTURAL. FILL PLACED IN 12" MAX. LETS AND
COMPACTED TO 98% ORY DENSITY. THIS APPLIES
ALL BUILDING PAYED AREAS.
ERADING OF SUBGRADE WILL BE MINUS THE DEPTH
OF ALL SUBBASE, BASE AND FINISH MATERIALS.
WITH ALLOWABLE GRADE DEVIATION OF PLUS OR
MINUS 1/10 OF ONE FOOT.

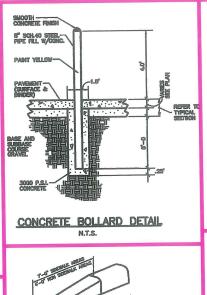
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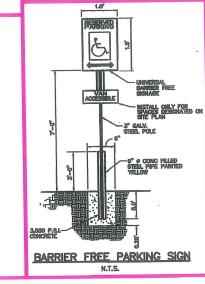
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NOTE: ITEMS MODIFIED THIS SHEET 1. MISCELLANEOUS CONSTRUCTION NOTES

2. REVISED PAVEMENT SECTION. 3. REVISED GRASS PAVER SECTION.



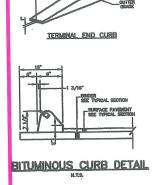


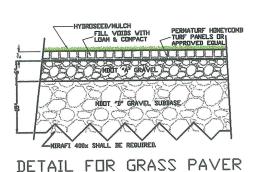


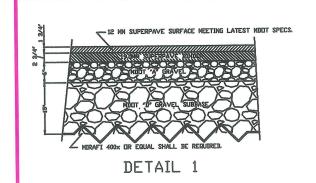
G OF PARKING SPACE

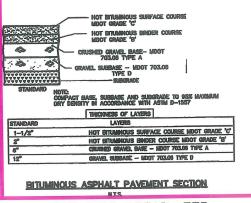
INTERNATIONAL BARRIER FREE SYMBOL

N.T.S.









USE THIS DETAIL FOR RAMP AT PIER

SS AN

TER LLC STREET

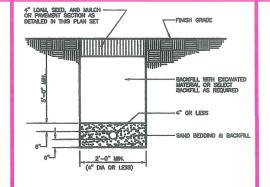
SOUR BY

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ENTIRETY TO THIS MODIFIED SUBMITTAL.

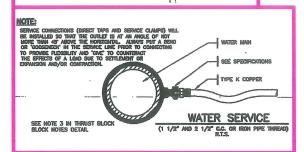
ALL ITEMS MODIFIED BY THIS SUBMITTAL TO THE CITY OF PORTLAND ON 5/6/04 ARE THE DESIGN RESPONSIBILITY OF THE ENGINEER WHOSE STAMP

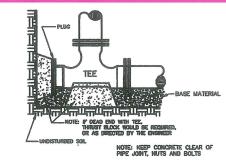
IS AFFIXED TO THE DRAWING.

ITEMS MODIFIED ON THIS SHEET 1. NO CHANGES.

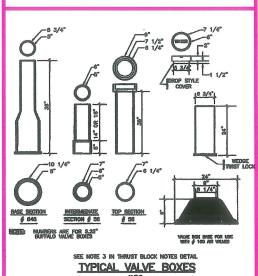


SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL
WATER SERVICE TRENCH SECTION
N.T.S.





SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL STANDARD TEE BLOCKING
N.T.S.

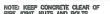


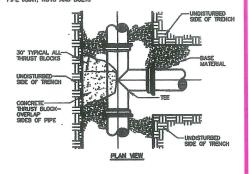
THRUST BLOCK NOTES

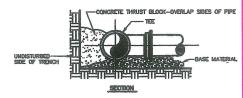
- 1. INSTALL POLY BARRIER BETWEEN PIPE AND ALL THRUST BLOCKS.
- 2. ANY MODIFICATION TO THRUST BLOCK SIZING OR PIPE RESTRAINT REMISIONS SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO IMPLEMENTATION ON THE FIELD
- 3. ANY WORK RELATING TO WATER PIPING OR DETAILS SHALL BE IN ACCORDANCE WITH THE PORTLAND WATER DISTRICT SPECIFICATIONS

PIPE	1/32 8010	1/16 9910	1/8 8210	1/4 BEND	TEES/CAPS
8"	2.9	5.7	11.1	20.5	14.5
4°	0.6	1.6	3.1	5.8	4.1

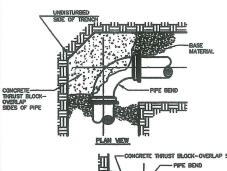
- Assuming test pressure = 150 ps, passive soil pressure = 1000 ps - Bearing Surface required in square feet

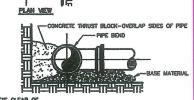






TYPICAL THRUST BLOCK
PLACEMENT ON TEES
N.T.S.





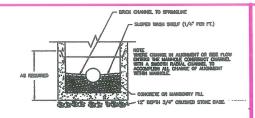
NOTE: KEEP CONCRETE CLEAR OF PIPE JOINT, NUTS AND BOLTS

	THRUST/RETAINER GLAND SCHEDULE					
	1/4 BEND		THRUST BLOCK W/RESTRAINED JOINT			
	1/8 BEND		THRUST BLOCK W/RESTRAINED JOINT			
ĺ	1/16 BEND	(22 1/2)	THRUST BLOCK			
	1/32 BEND	(11 1/47)	THRUST BLOCK			
	THE ABOVE S	CHEDULE IS AND WORKS	Subject to the approval of the on—site insi NG pressures in the area.			

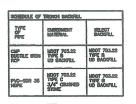
SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL

TYPICAL THRUST BLOCK PLACEMENT ON BENDS

N.T.S.

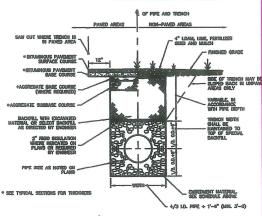


STORM DRAIN & SEWER MANHOLE BRICK CHANNEL DETAIL

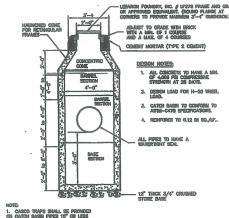


NOTE

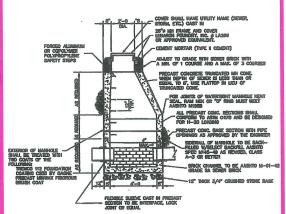
1. BRACHS AND SHEETING OF GINER THEMCH
FROTESTION TO BE PROVIDED TO MEET
APPLICABLE STATE AND O.S.H.A. SAFETY
STANDARDS. ALL SUCH TRENCH PROTESTION
TO BE THE RESPONSEBLIF OF THE CONTRACTO



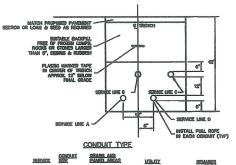
TYPICAL TRENCH SECTION



4'-0" PRECAST CATCH BASIN



4'-0" PRECAST STORM DRAIN & SEWER MANHOLE



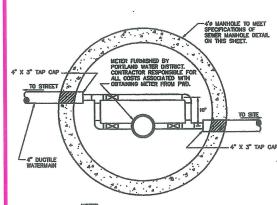
		CONDUIT TYPE		
A	CONDUIT SIZE 6"	CRASE AND PAVED ANEAS SCHEDURE 40 PVC ELECTRICAL GRADE	UTBLITY PRIMARY POWER .	SEE NOTE 1
8	40	SCHEDULE 40 PVC	TELEPHONE	SEE NOTE 1
c	2°	SCHEDULE 40 PVC	CAPLE	SEÉ NOTE 1
D	2"	SCHEDULE 40 PVC ELECTRICAL GRADE	SECONDARY PONER	SEE NOTE 1

NOTE:

1. PROVINC GALVANZED STIEZ, LONG SHEEP AT MISER POLE AND EXTEND ON, WARREST COMMUNET TO 107 ABOVE GRADE AT POLE WITH STAND-OFF STANDERS.

2. ALE STANDERS SEEP, MINISTER OF COMBUTTS AND MATERIALS TO BE CHEMICAL STANDERS OF THE SERVING UTILITIES.

UTILITY TRENCH — PRIMARY AND SECONDARY POWER, TELEPHONE, AND CABLE



MODES

1. METER FLANGES AND A SPACER ARE AVAILABLE ON REQUEST, BY THE PLANGER, AT THE PORTLAND WATER DISTRICT.

2. ALL, PIPING WITHIN METER FIT SHALL BE 2" COPPER TUBING WITH BRASS CATE VALVES.

3. WHEN REQUIRE A RADIO READ METER RATHER THAN A TOUCH PAD.

3". WATER METER PIT AND VALVE SCALE: 1" = 1"

<u>3". 1</u>

GENERAL AND MATERNARY CONFORMED

MAINE YACHT CENTR

65 KENSINGTON S

PORTLAND, MAI

30017 EFIEVO 5. NO.

ENERAL NOTE THIS PLAN DOES NOT DELETE ANY ITEMS REQUIRED BY THE CITY OF PORTLAND AND/OR THE MAINE DEP IN ANY AND ALL APPROVALS FOR THE MAINE YACHT CENTER PHASE 1 & 2. FOR ALL APPROVALS DATED BEFORE 12/1/03. THESE ITEMS HAVE BEEN CARRIED IN THEIR ENTIRETY TO THIS MODIFIED SUBMITTAL.

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The following meditures are planned as temporary ercelon/esdimentation control measures during construction:

2. Sitation fence shall be installed domestream of any disturbed area to too mustaff beams eachwents until the tributory disturbed area is receptable. The aft fence shall be installed per the detail provided in the plan set and lespeched immediately ofter each reinfall and at feach odly during protonged reinfall. Regular shall be made if there are only eight of croston or sedimentation before the fance line. If there are signe of underruting at the center or the edges, or improunding of large volumes of water behind fence, the barrier shall be replaced with a stone check dam.

crisic count.

3. Strive or hoy maich including hydroseeding is intended to provide cover for demanded or seeded areas until reveleptation is established. Maich placed between April 19th and October fiet on slopes of equal to or streper than 15 percent shall be covered by a fabric natting and enchanced with slopies in occordance with monutoclustre's recommendation. Maich placed between Outober let and April 19th an elopee of less than 8 percent shall be enchanced by applying water, maich placed an elopee equal to or steeper than 8 percent shall be accordance with the manufacturer recommendations. Stopes steeper than 3.1 which are to be revegated with expense outlet behavior and the steeper than 3.1 which are to be revegated and record curies blankeds by American Exceler or equal.

c) Stockpiles shall be surrounded by slit fence at the time of formation.

5. All new denucled crose that are within 50 fest of a wetland or open water that will remain, which have been rough graded and are not located within the roadersy subbose area, shall reader middle or erasion control mesh fabric within 7 days of hilldel disturbance of soil. All areas within 50 fest of a wetland or open water bedy, which will remain shall be middled prior to any predicted rain search reparatese of the 7-day window. In other areas, the time period many be extended to 14 days.

6. For work, which is conducted between October 15 and April 15 of any calender year, all detauded areas will be oovered with hey maket, applied at takes the normal application rate and enchored with a faithr netting. The time period for applying mulch as noted in Paragraph 5 above, shall be limited to 7 days for all oreas.

7. Keneington Street shall be swept to control mud and dust as

During grubbing operations stone check dams may be installed at any evident concentrated flow discharge points.

8. Sit fencing with a minimum states epocing of 6 fact should be used, unless the fence is supported by site fence reinforcement of minimum 14-gauge and with a maximum meet specing of 6 inches, in which case states may be spaced a maximum of 10 feet apart. The bottom of the fence should be enchered.

Water and/or calcium chloride shall be furnished and applied in accordance with MDOT specifications — Section 637 — Dust Control.

11. Loam and seed is intended to serve as the primary permanent revegetative measure for all denided arose not provided with other createn control measures, such as pirary. Application rotes are provided in the Seeding Flon. Seeding shall not occur over enow.

12. Temporary seed mixture shall be annual rye grass applied at the rate of 0.0 lbs/1000 eq. ft.

monent Erosion Control Measures

The following permanent erosion control measures have been designed as part of the Erosion/Sedimentation Control Plan:

1. All storm drain pipe outlets shall have riprep oprone at their outlet to protect the outlet and resolving channel of the outlets from soour and deterioration. Installation details are provided in the pion set. The oprone shall be saided and stabilized to the actent practicable prior to directing number for the directing number for the directing number of the tributary pipe or outlets.

2. All crees disturbed during construction, but not subject to other restoration (powley, riprop, etc.) will be boarned, lined, fertilized, mulched, and seeded. Febric nettine, enchanced with staples, shall be placed over the match in crees as noted in paragraph 5 of Temporary Eresian Cantrol Measures. All crees within 50° of a welland or open water body, which will remain shall be mulched prior to any predicted rain event regardless of the 7-day window. Notice topped shall be subciplied and reused for final restoration when it is of sufficient quality.

3. Catch basine will be provided with sediment sumps and inlet hands for all outlet pipes that are 12° in diameter.

The following construction sequence shall be required to insure the effectiveness of the erasion and sedimentation control measures are

Note: For all grading activities, the contractor shall exercise extreme caution not to overexpose the site by limiting the disturbed area.

2. Clear work greas

3. Install perimeter ditation fence for readway construction and temperary parking and fill areas.

4. Clear and grub work areas using care not to overexpose the site.

5. During grubbing operations, install stans check dams at any evident concentrated flow discharge points.

6. Commence earthwork operations.

7. Commence excavation of building foundation.

R. Commence installation of waterline and sever main.

9. Continue earthwork and grading to subgrade as necessary for

Install light pole foundations and utility poles as well as underground elea./tel./cable services.

11. Complete all remaining earthwark operations.

12. Complete installation of all utilities. 13. Leam, time, fertilize, seed, and mulch disturbed greas.

14. Remove accumulated sediment from ahead of any sediment barriers as necessary.

 Once the site is stabilized and a 75% catch of vegetation has been obtained, remove all temporary erosion control measures. 16. Touch up loam and seed.

Note: All denuded (created by this construction) areas not subject to final paying, riprop or gravel, shall be revegetated.

The cloves construction sequence should generally be completed in the specified order; however, several separate literus may be constructed simultaneously. Work must close be scheduled or privated to prevent the extent of the exposed errors as specified below. The intent of this sequence is to provide for errors on control and to have structural measures such as sitt fence and construction entrance in place before large areas of land are demoted.

2. The work shall be conducted in sections which will;

a) Limit the amount of exposed area to those areas in which work is expected to be undertaken during the proceeding 30 days.

b) Revegetate disturbed areas as rapidly as possible. All areas shall be permonently stabilized within 7 days of find grading or before a storm event, or temporarily stabilized within 7 days of initial disturbances of sof or cross within 50 feet of a systemat or apen water body, which will remain and 14 days for all other areas. Areas within 50 feet of a welland, which will remain shall be mulched prior to any predicted rain event regardless of the 7-day window.

c) Incorporate planned injets and drainage system as early as possible into the construction phase. The ditches shall be immediately lined or properties as even as their impeliation. To consider the contractions of their impeliation.

It is anticipated that construction of the access road, utilities and other sits improvements can be completed in one construction season. However, if now work in necessary between October 15 and April 18, the contractor shall submit a schedule which will sottlerly the following criteria: S. Once first grade has been established, the contractor may choose to dominant seed the admitted around prior to placement of matich and processment of familiary unchanged with etaples.

a. If domain seeding is used for the site, all disturbed areas shall receive 4" of foam and seed at an application rate of 5#/1000 s.f. Seeding shall not occur over snow.

All areas seeded during the winter months will be inspected in the sprin for edequate critic). All areas sufficiently vegetated (less than 75 percent catch) shall be revegetated by replacing loam, seed and mulch.

4. The area of clear of denuded non-stabilized construction shall be limited to the minimum area producable. An area shall be considered be denuded until the subbase growal is installed in the road or paved areas or the critical or future form and send have been loamed, seeded and mulcited. The mulcin rate shall be twice the rote specified in the seeding pilen (for example, 115#/1,000 a.f. x 2 = 230#/e.f.).

5. The schedule shall be subject to the approval of the Owner. The Contractor must install any added measures which may be nece to control erasion/sedimentation from the site dependent upon the actual site and weather conditions.

The Contractor shall note that no errors within 50 fact of a watland sharement denided for no petide of over 7 days before 18 is temporarly muching. All other areas sincile be stabilized within 14 days. For construction between October 15 and April 15 of any calendar year, all oncess shall be temporarily 7 days.

The Contractor shall prepare a list and designable by name, address and telephone number all individuals who will be responsible for implementation, impaction and mehatunance of all erosion control measures identified within this section and as cardinated in the Erosion and Sadimentation Control Plan of the contract drawings. Specific responsibilities of the inspector(s) will include:

Assuring and certifying the owner's construction sequence is in conformance with the specified schedule of this section. A weekly certification stating compliance, any devidence, and corrective measure necessary to comply with the erestion control requirement of this sect shall be prepared and eligand by the inspector(a).

 In addition to the weekly certifications, the inspector(s) shall main written reports recording construction activities on site which include: Dates when major grading activities occur in a particular area.

Dates when major construction activities cease in a particular area, either temporarily or permanently.

Dates when an area is stabilized.

3. Impaction of this project work site on a weekly basis and offer each significant rainful servin (0.5 inches) or more within any consecutive 24 measures have been properly installed and the site has properly installed and the site has been etabilized inspection of the project work site shall include:

identification of proper erosion control measure installation in accountly the erosion control detail sheet or as specified in this section

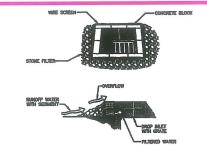
Accumulated elit/sediment should be removed when the depth of sediment reaches 50 percent of the barrier height. Accumulated sit/sediment should be removed from behind slit fending when the de of the sediment reaches 6 bottes.

4. If inspection of the site indicates a change should be made to the erosion control plan, either to improve effectiveness or correct a site specific deficiency, the inspector shall immediately implanment the corrective measure and notify the Owner of the change.

Preconstruction_Conference

Phor to any construction at the site, representatives of the Contractor shall arrange for end meet with the Owner and a representative of the City to discuss the schedding of the elia construction. On or before that meeting, the Contractor will prepare a detailed exhedde and a marked—up site plan indicating areas and compensate of the work and key dates eleaving date of disturbance and completion of the work.

ITEMS MODIFIED ON THIS SHEET 1. NO CHANGES.

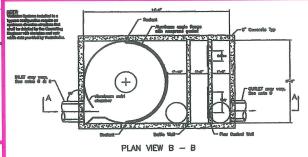


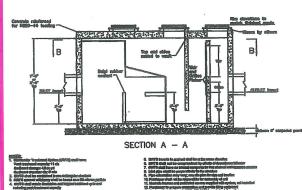
SPECIFIC APPLICATION THIS METHOD OF BRET PROTECTION IS APPLICABLE WHERE REAVY FLOWS ARE EXPERTED AND WHERE AN QUERTON CAPACITY IS NECESSARY TO PREVENT EXCESSIVE BROWNING AND THE VEHICLE OF THE

STONE SHALL BE PLED AGAINST THE YORE TO THE TOP OF THE BLOCK BASHER, AS SHOWN IN OUTAL, THE STONE FLIER SHALL BE 3/4" CRUSHED STONE.

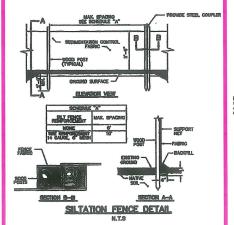
4. IF THE STONE FILTER BECOMES CLOCKED WITH SEDMENT, SO THAT IT NO LONGER ADDOUATELY PERFORMS ITS PUNCTION, THE STONE MUST BE PULLED ANNY FROM THE BLOCKS, CLEWID AND REPLACED.

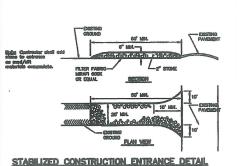
STONE SEDIMENT BARRIER

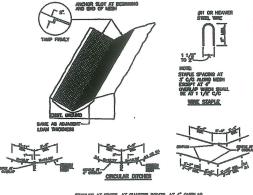




WATER QUALITY UNIT







STAPLES AT EDGES, AT GUARTER POINTS, AT 4" OVERLAP

EROSION CONTROL MESH

TER LLC STREET

DETAILS

CONTROL ME.

SEDIMENTATIN (CENTER FACILITY ST., PORTLAND A

EROSION & MAINE YACHT