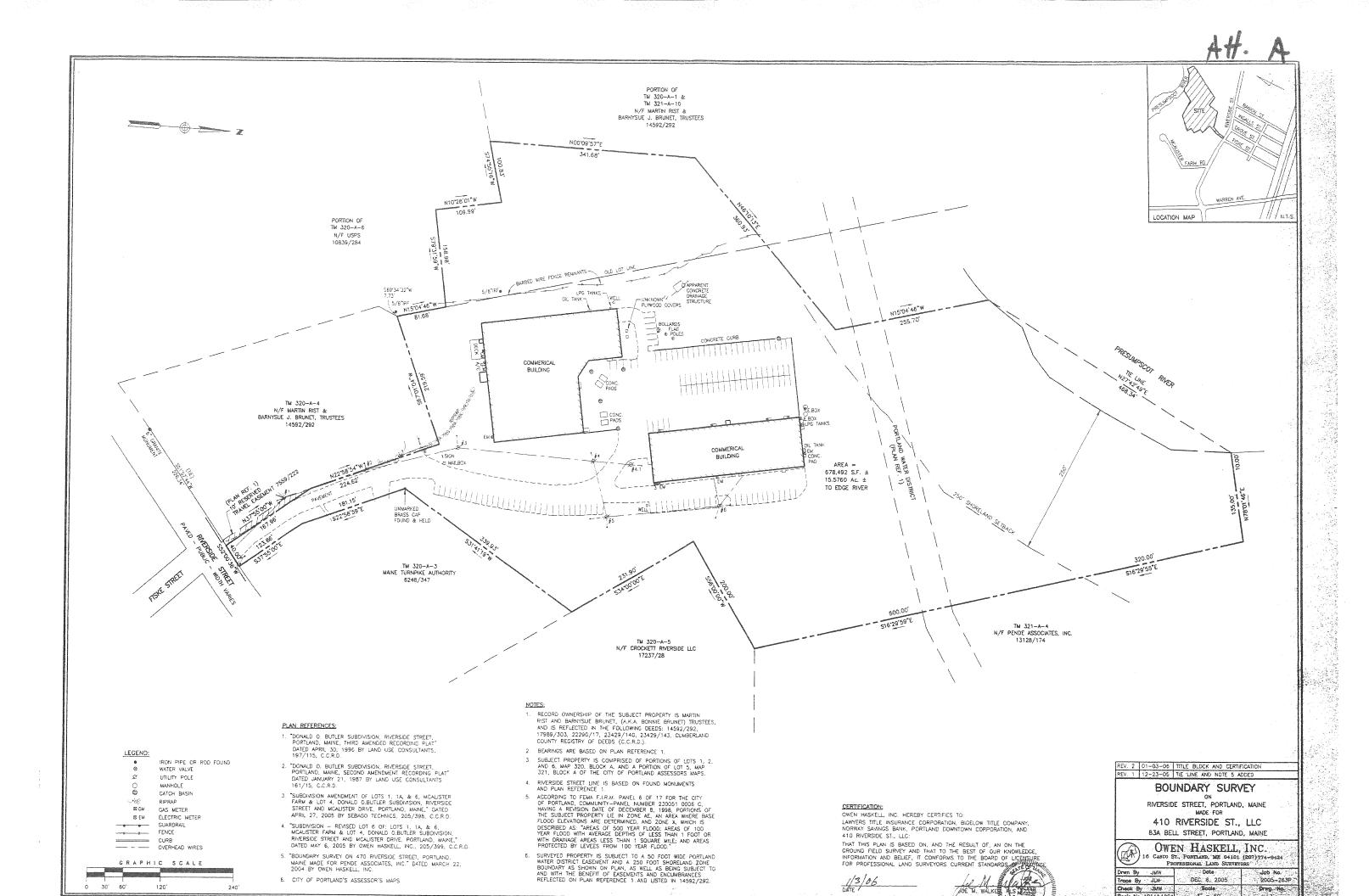
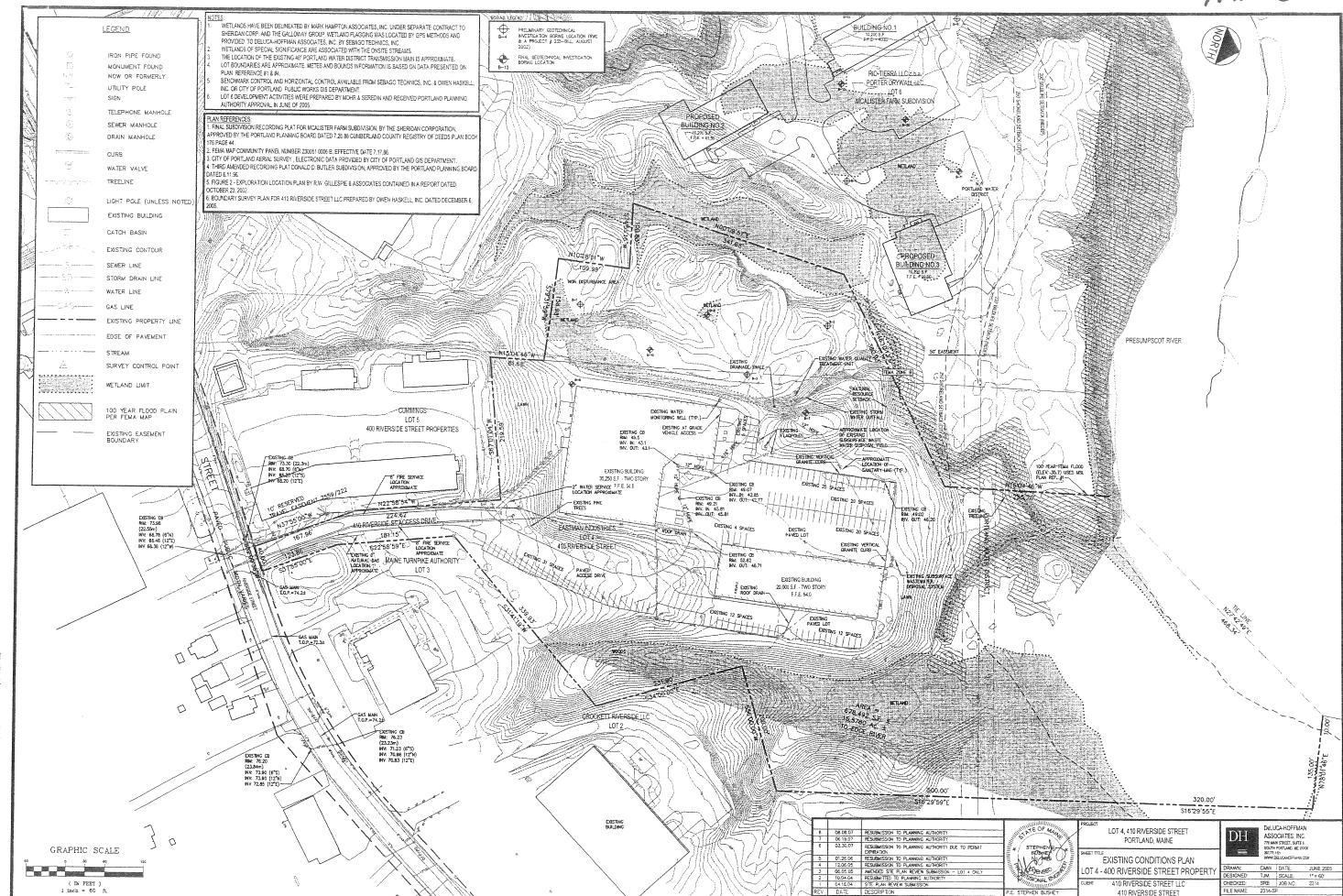
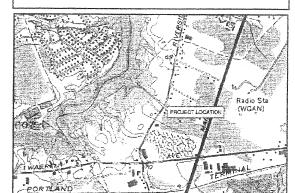
320 Å 3 420-448 Riverside A30 Riverside Street Maine Turnpike Authority





PROPOSED



LOCATION MAP

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COVER SHEET, GENERAL NOTES & LEGEND

BOUNDARY SURVEY PLAN
OVERALL PROPERTY SUMMARY PLAN

EXISTING CONDITIONS PLAN SITE LAYOUT AND LANDSCAPE PLAN GRADING, DRAINAGE AND EROSION CONTROL PLAN

UTILITY PLAN SITE DETAILS

SITE DETAILS UTILITY DETAILS

STORMDRAIN DETAILS EROSION CONTROL DETAILS

EROSION CONTROL NOTES

PREPARED BY

CIVIL ENGINEER:

DeLuca-Hoffman Associates, Inc. 778 MAIN STREET, SUITE 8 SOUTH PORTLAND, MAINE 04106

(207) 775-1121 SURVEYOR:

Owen Haskell, Inc. 16 CASCO STREET PORTLAND, MAINE 04101

GEOTECHNICAL ENGINEER: R.W. Gillespie & Associates, Inc. 86 INDUSTRIAL PARK ROAD, SUITE 4 SACO, MAINE 04072

ENVIRONMENTAL ENGINEER: Sebago Technics, Inc. 1 CHABOT STREET

WESTBROOK, MAINE 04098

410 RIVERSIDE STREET LLC d.b.a. EASTMAN INDUSTRIES 410 RIVERSIDE STREET PORTLAND, MAINE 04103

410 RIVERSIDE STREET LLC d.b.a. EASTMAN INDUSTRIES 410 RIVERSIDE STREET PORTLAND, MAINE 04103

Stope Fush I HEREBY ACKNOWLEDGE THAT THESE PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECT SUPERMISION, AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MAINE AND THAT I AM COMPETENT TO PREPARE

LOT 4 410 RIVERSIDE STREET PORTLAND, MAINE

GOVERNING BODY DIRECTOR OF PLANNING AND

CITY OF PORTLAND PLANNING AUTHORITY

BUILDINGS AND CODE ENFORCEMENT OFFICE

MeDEP BUREAU OF LAND & WATER QUALITY

MeDEP BUREAU OF LAND & WATER QUALITY

ECONOMIC DEVELOPMENT

PORTLAND, MAINE 04101

ATTN: BARBARA BARHYDT

CITY OF PORTLAND, CITY HALL

CONGRESS STREET

CONGRESS STREET

312 CANCO ROAD

312 CANCO ROAD

PORTLAND, MAINE 04103

PORTLAND, MAINE 04103

(207)874-8300

UTILITIES

SEWER ATTN: FRANK BRANCELY PORTLAND PUBLIC WORKS PORTLAND MAINE 04101 (207) 874-8300

WATER ATTN: DAVE COFFIN PORTI AND WATER DISTRICT 225 DOUGLASS STREET P.O. BOX 3553 PORTLAND, MAINE 04104-3553 (207) 774-5961

ATTN: MARK KREIDER CENTRAL MAINE POWER COMPANY 162 CANCO ROAD P.O. BOX 1801 PORTLAND, MAINE 04104 (207) 828-2683

GAS ATTN: RICK BELLEMARE NORTHERN UTILITIES, INC. 1075 FOREST AVENUE PORTLAND, MAINE 04103 (207) 797-8002, EXT.6247

TELEPHONE ATTN: BRUCE CROSBY 5 DAVIS FARM ROAD PORTLAND, MAINE 04103 (207) 797-1788

ATTN: DEBRA PAIEMENT AND/OR DON JOHNSON 118 JOHNSON ROAD PORTLAND, MAINE 04102 (207) 253-2262 (DEBRA) (207) 253-2291 (DON)

FIRE ALARM ATTN: CAPT. CASS PORTLAND FIRE DEPT. CENTRAL FIRE STATION CONGRESS STREET PORTLAND, MAINE 04101 (207) 8874-8300

DIG SAFE 1-800-225-4977

PERMITS

LOCAL SITE PERMIT APPROVAL (DELEGATED AUTHORITY FOR SITE LAW REVIEW)

MAINE CONSTRUCTION GENERAL PERMIT (MCGP)

BUILDING PERMIT / CERTIFICATE OF OCCUPANCY

STATE NRPA TIER 1

GENERAL NOTES: THIS PROJECT IS SUBJECT TO THE TERMS AND CONDITIONS OF ALL REGULATIONS ADMINISTERED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, MAINE DEPARTMENT OF TRANSPORTATION, LOCAL UTILITY COMPANIES AND THE CITY OF PORTLAND.

 THE CONTRACTOR SHALL REFER TO THE DESIGN—BUILD PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF THE ENTRANCES, PAYING, EXITS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE POINTS. 3. ALL REQUIRED AND NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR LITHLITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL SERVICE CONNECTIONS.

4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR THE ELEVATION OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSBIE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

6. ALL MATERIAL SCHEDULES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL PREPARE HIS OWN MATERIAL SCHEDULES BASED UPON HIS PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR PERFORMING WORK.

ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, THE PROJECT SPECIFICATIONS, AND THE CITY OF PORTLAND TECHNICAL STANDARDS.

8. TOPOGRAPHIC SURVEY INFORMATION WAS TAKEN FROM CITY OF PORTLAND AERIAL SURVEY, ELECTRONIC DATA 18. BUILDING SUMMARY: LOT 4 PROPOSED 23,140 S.F. PROVIDED BY CITY OF PORTLAND GIS DEPARTMENT.

9. BOUNDARY SURVEY INFORMATION TAKEN FROM FINAL SUBDIVISION RECORDING PLAT BY THE SHERIDAL CORPORATION, APPROVED BY THE PORTLAND PLANNING DEPARTMENT DATED 7.26.88. CUMBERLAND COUNTY REGISTRY OF DEEDS PLAN BOOK 176, PAGE 44.

PREVIOUSLY SUBMITTED BY

TO BE SUBMITTED BY

MeDEP PERMIT APPROVAL

NO. L-7696-TB-G-N

OWNER/GENERAL CONTRACTOR

TO BE SUBMITTED 14 DAYS IN

ADVANCE OF CONSTRUCTION

ENGINEER ON BEHALF OF OWNER

10. FEMA MAP COMMUNITY PANEL NUMBER 230051 0006B, EFFECTIVE DATE 7.17.86.

11. WETLANDS HAVE BEEN DELINEATED BY MARK HAMPTON ASSOCIATES, INC. UNDER SEPARATE CONTRACT TO SHERIDAN CORP. AND THE GALLOWAY GROUP. WETLAND FLAGGING WAS LOCATED BY GPS METHODS AND PROVIDED TO DELUCA-HOFFMAN ASSOCIATES, INC. BY SEBAGO TECHNICS, INC.

12. THE PROPERTY SHOWN ON THIS PLAN MAY BE DEVELOPED AND USED ONLY AS DEPICTED IN THIS APPROVED PLAN. ALL ELEMENTS AND FEATURES OF THE PLAN AND ALL THE PROPERTY WHICH APPEARS IN THE RECORD OF THE PLANNING BOARD PROCEDINGS ARE CONDITIONS OF THE APPROVAL NO CHANGE FROM THE CONDITIONS OF APPROVALS IS PERMITTED UNLESS AN AMENDED PLAN IS FIRST SUBMITTED TO AND APPROVED BY THE PLANNING AUTHORITY.

LAND TRANSFER PLAN OF 400 RIVERSIDE STREET PREPARED FOR THE GALLOWAY GROUP BY SEBAGO TECHNICS. INC.

14. ALL SIGNAGE SHALL CONFORM TO THE STANDARDS FOR SIZE, HEIGHT, LOCATION AND REFLECTIVITY SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). 15. ALL PARKING STALLS SHALL BE MARKED OFF BY 4" SOLID YELLOW LINES EXCEPT AS SHOWN ON THE

16. ALL CURB SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS AS NOTED ON THE PLANS GRANITE AND BITUMINOUS CONCRETE CURB SHALL MEET THE REQUIREMENTS OF MAINE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS 609.03 AND 609.04 AND CITY OF PORTLAND TECHNICAL STANDARDS

17. ALL DIMENSIONING UNLESS OTHERWISE NOTED IS TO THE FACE OF CURB OR FACE OF BUILDING

LEGEND

EXISTING

0	IRON PIPE FOUND	[25]	CONTOUR LINE
9 / 1 9 / 1 1 mm 1	MONUMENT FOUND		EDGE OF PAVEMENT
M/F	NOW OR FORMERLY		-
4 1	UTILITY POLE	8 8	SILT FENCE
V	SIGN		UTILITY LINE
0	TELEPHONE MANHOLE		BUILDING
6	SEWER MANHOLE		SIGN
0	DRAIN MANHOLE	*	BOLLARD
The second of th	CURB	88	CATCH BASIN
*8	WATER VALVE	W/h	INLET SEDIMENT BARRIER
ymyn y rym yn yn yn en .	TREELINE	•	STORM DRAIN MANHOLE
			STORM DRAIN LINE
Ç	LIGHT POLE (UNLESS NOTED)	3 2	EXISTING TREE TO BE REMOVED
	EXISTING BUILDING		EXISTING TREE TO REMAIN
C	CATCH BASIN		GRANITE CURB
58	EXISTING CONTOUR		BITUMINOUS CURB
S	SEWER LINE	9	PROPOSED BUILDING NUMBER
55	STORM DRAIN LINE	-	
	WATER LINE		
GAS	GAS LINE		
	EDGE OF PAVEMENT		
	STREAM		
Δ	SURVEY CONTROL POINT		
	WETLAND LIMIT		
	100 YEAR FLOOD PLAIN PER F	FEMA MAP	

THE FACILITY IS SERVICED BY PUBLIC WATER AND OVERHEAD UTILITIES. IT IS OUR UNDERSTANDING THAT ACCORDING TO THE PORTLAND PUBLIC WORKS DEPARTMENT PUBLIC SEWER SERVICE IS NOW AVAILABLE ON RIVERSIDE STREET.

20. THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE CITY OF PORTLAND PUBLIC WORKS INSPECTION SERVICES DIVISION (874-8300 EXT. 8838), CODE ENFORCEMENT OFFICE AND DEVELOPMENT REVIEW COORDINATOR IN WRITING THREE (3) DAY'S PRIOR TO THE BEGINNING OF CONSTRUCTION, SHOULD THE MPROVEMENTS BE OF SIGNIFICANT CONCERN OR N. & SENSTIVE AREA, A PRECONSTRUCTION MEETING MAY BE REQUIRED AT THE DISCRETION OF THE PUBLIC WORKS AUTHORITY OR DEVELOPMENT REVIEW COORDINATOR.

AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE. THE DEVELOPER, OR AN AUTHORIZED AGENT, MUST BE AVAILABLE AT ALL TIMES DURING CONSTRUCTION.

22. WARNING SIGNS, MARKERS, BARRICADES OR FLAGMEN MUST BE EMPLOYED ON ADJACENT STREETS AS

23. CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED AND DISPOSED OF IN ACCORDANCE WITH THE CITY OF

24. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE DEVELOPER/CONTRACTOR AT THEIR EXPENSE.

PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE PROPERLY PROTECTED AT ALL TIMES DURING CONSTRUCTION TO INSURE INTEGRITY. IF DISTURBED THEY SHALL BE REPLACED BY A SURVEYOR REGISTERED IN THE STATE OF MANNE AT THE CONTRACTOR/DEVELOPER'S EXPENSE.

26. ALL SANITARY SERVICES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF PORTLAND PUBLIC WORKS DEPARTMENT.

27. A STREET OPENING PERMIT MUST BE OBTAINED FROM THE CITY OF PORTLAND PUBLIC WORKS DEPARTMENT PRIOR TO BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.

28. RETAINING WALLS WITHIN LOADING DOCK AREAS SHALL BE CAST—IN-PLACE OR PRECAST MODULAR BLOCK SUBJECT TO GEOTECHNICAL REVIEW AND DESIGN BY THE CONTRACTOR OR PRECAST MODULAR BLOCK

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REV	DATE	DESCRIPTION	P.E. STEPHEN BUSHEY
0.00		DEVISIONS.	LIC #7479

LOT 4, 410 RIVERSIDE STREET PORTLAND, MAINE

COVER SHEET, GENERAL NOTES & LEGEND 410 RIVERSIDE STREET LLC

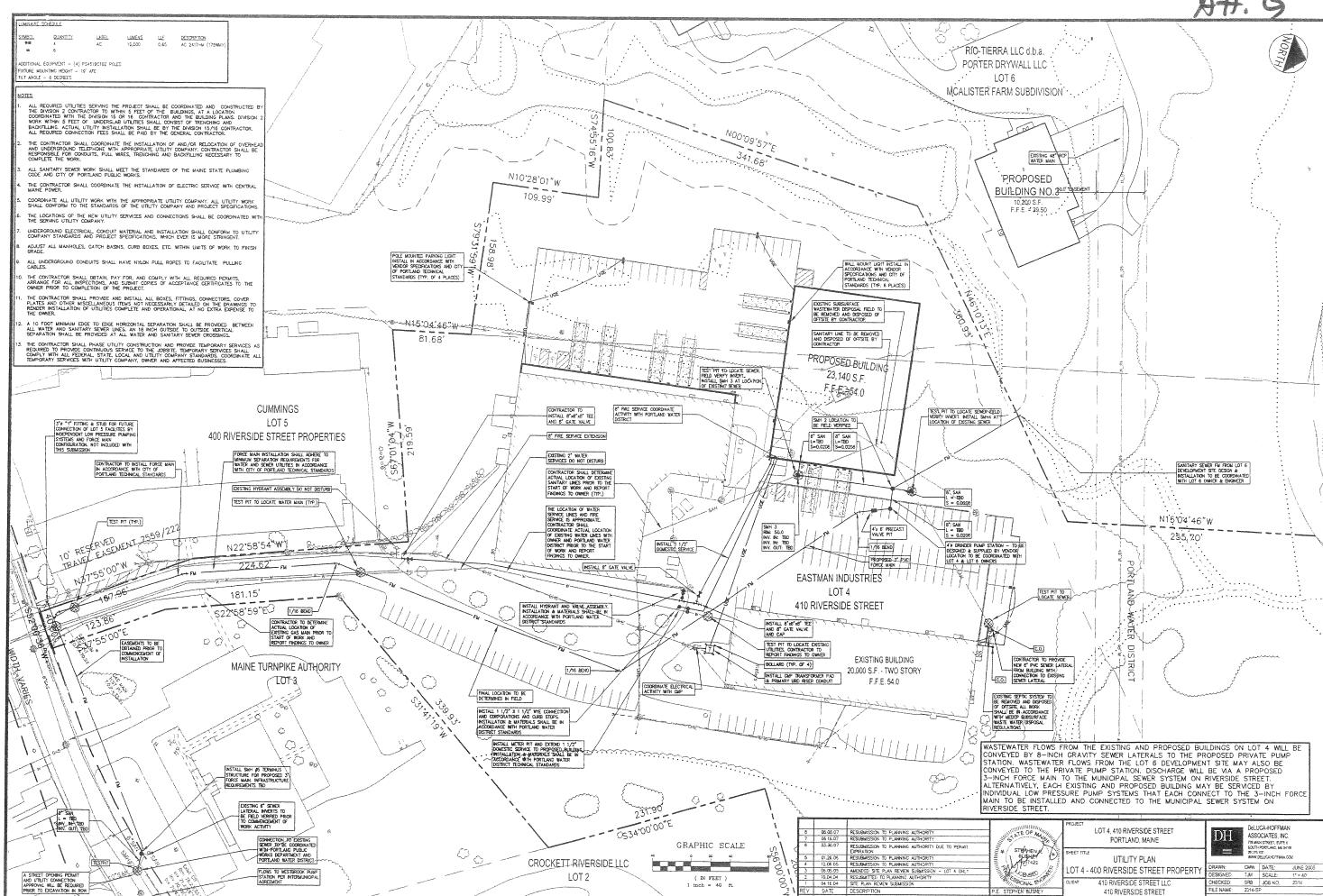
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778 MAIN STREET, SUITE 6 SOUTH PORTLAND, ME 64105 207.775.1121

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ASSOCIATES, INC.

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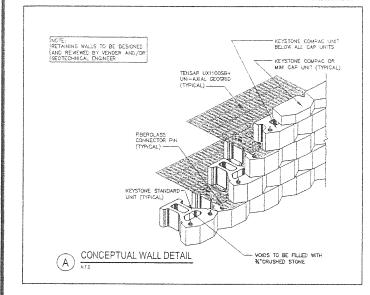


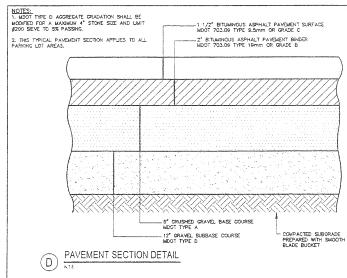
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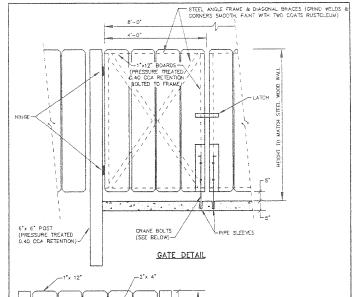
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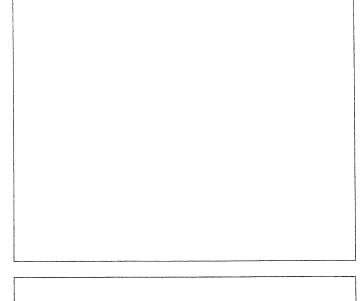
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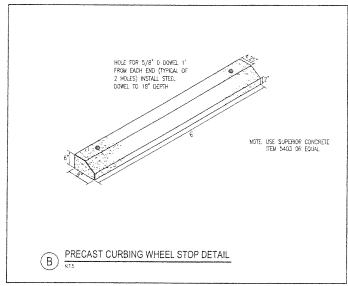
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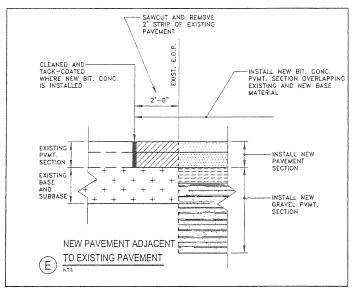


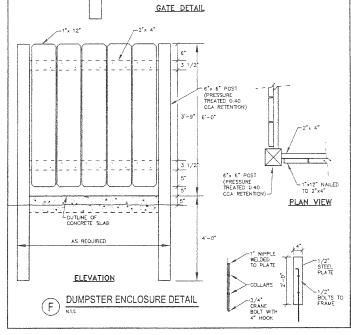


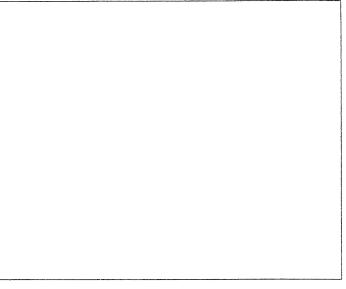


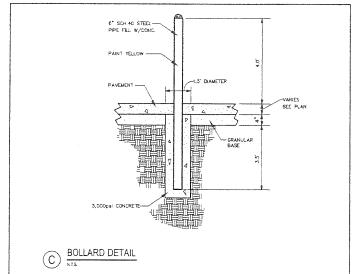


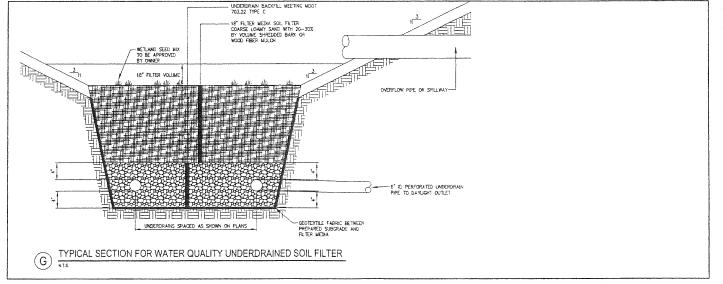












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1	04.16.04	SITE PLAN REVIEW SUBMISSION	NAMES OF THE PARTY
REV	DATE	DESCRIPTION	P.E. STEPHEN BUSHEY

LOT 4, 410 RIVERSIDE STREET PORTLAND, MAINE

410 RIVERSIDE STREET LLC

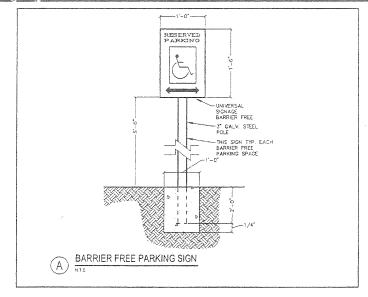
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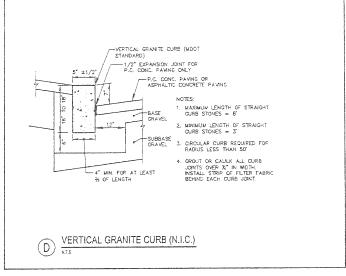
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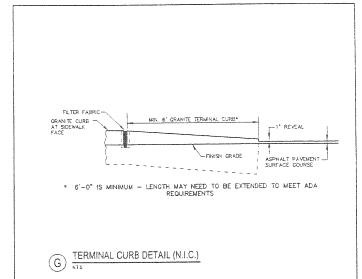
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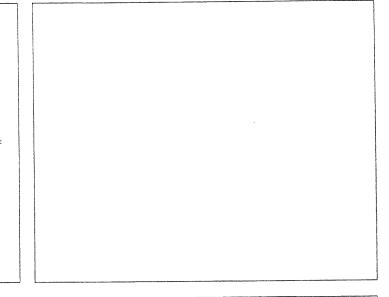
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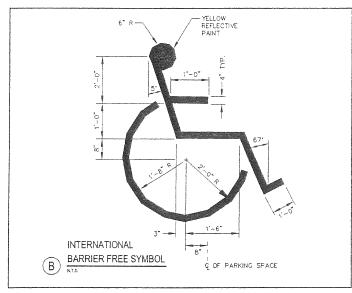
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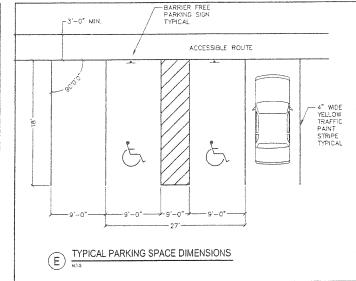


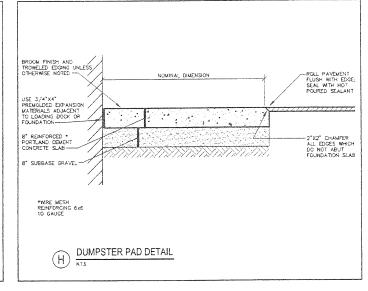


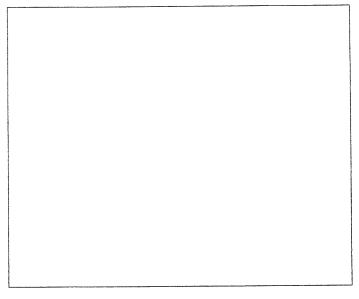












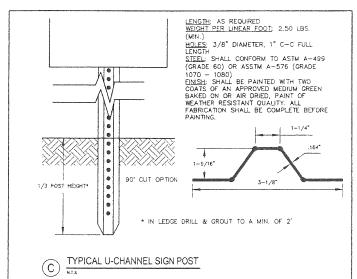


TABLE:	CONDUIT	SIZES FOR JACKETED CABLE
	LEGISLATION	SIZE DECUMPED IN INCHES

CABLE TYPE		CABLE	NUMBER OF CONDUCTORS			
		SiZE	1	2	3	4
		#2 STRANDED	2*	3"	4-	5"
	URD	4/0 XLP	2*	4"	4*	5-
15KV	POWER	500 KCM XLP	3*	5*	5*	6*
		750 KCM XLP	3*	5*	6*	6,
		1/0 XLP	2 1/2"	4*	5*	5*
35KY	URD	4/0 XLP	3*	5*	6"	6*
33F.Y	POWER	500 KCM XLP	3.	5*	7*	7*
		750 KCM XLP	3"	6.	6*	7*

F 3 PHASE RISER - GENERAL INFORMATION

- 1. CONNECT RISER TAPS TO THE APPROPRIATE PHASE AS REQUIRED. IF THE RISER FEEDS A 36 DEAD-FRONT FADMOUNT TRANSFORMER END OF THE STARE CABLE SHOULD BE PARKED ON A BUSHING NON PLACED ON A PARKING STAMO. IF THE RISER FEEDS A 36 UNC-FRONT PADMOUNT TRANSFORMER, TED THE TRANSFORMER RID OF THE SPARE CABLE SHOULD BE BOTTED TO THE BUSHING OF PLACED ON THE PIN TERMINAL OF THE SHARE CABLE SHOULD BE BOTTED TO THE BUSHING OF PLACED ON THE PIN TERMINAL OF THE SHARE CABLE SHOULD BE BOTTED TO THE BUSHING OF PLACED ON THE PIN TERMINAL OF THE SHARE SHOULD BE BOTTED TO THE RISER FOR THE SHARE CABLE. WILL HAVE A TERMINATOR AND WILL CONNECT TO ONE OF THE SHARE CABLE. WILL HAVE A TERMINATOR AND WILL CONNECT TO ONE OF THE SHARE CABLE. WILL HAVE A TERMINATOR AND WILL CONNECT TO ONE OF THE SHARE CABLE. WILL HAVE A TERMINATOR AND WILL CONNECT TO ONE OF THE SHARE CABLE. WILL HAVE A TERMINATOR AND WILL CONNECT TO ONE OF THE SHARE CABLE. WILL HAVE A TERMINATOR AND WILL CONNECT TO ONE OF THE SHARE CABLE. WILL HAVE A TERMINATOR AND WILL CONNECT TO ONE OF THE SHARE CABLE. WILL HAVE A TERMINATOR AND WILL CONNECT TO ONE OF THE SHARE CABLE SHOULD BE MARKED "SPARE" ON BOTH ENDS (IN ADDITION TO ALL OTHER REQUIRED MARKINGS).
- THE RISER CONDUIT SHALL EXTEND A MINIMUM OF 4" ABOVE THE NEUTRAL BRACKET BOLT AND/OR 22" ABOVE THE SECONDARY CABLE SPREADER BRACKET BOLT (IF SECONDARIES ARE PRESENT).
- AFTER CABLE INSTALLATION, THE TOP OF THE RISER CONDUIT SHALL BE SEALED AGAINST MOISTURE WITH POLYURETHANE SEALER.
- CUTOUTS FOR TAP LINES SHALL BE PLACED ON THE MAIN LINE JUNCTION POLE OR ON THE POLE ONE SECTION IN, WHICHEVER IS BETTER FOR THAT PARTICULAR INSTALLATION.
- 5. A LOOP RISER SHALL HAVE ALL CUTOUTS ON THE RISER POLE.
- 6. RISER CONDUIT SHALL BE BONDED TO THE NEUTRAL SEE PRIMARY URD RISER CONDUIT DETAIL.
- WHEN USING A NON-PORCELAIN TERMINATOR AND A CABLE POSITIONING BRACKET LEAVE 2 TO 3 INCHES OF CABLE BETWEEN THE TOP OF THE BRACKET AND THE BOTTOM OF THE TERMINATOR.
- 8. TWIST CONCENTRIC NEUTRAL WIRES INTO A BUNDLE AND CONNECT TO THE SYSTEM NEUTRAL WIRE.
- CONNECT THE ARRESTER TO THE SYSTEM NEUTRAL WIRE WITH AS SHORT A LEAD AS PRACTICAL.
- 10. USE THE PROPER CABLE TERMINATOR FOR RATED VOLTAGE AND SIZE OF CABLE.

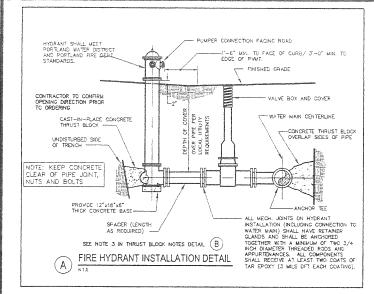
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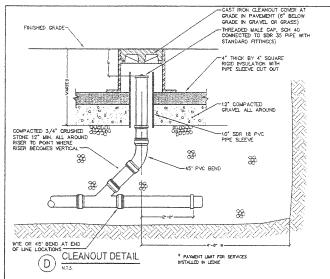


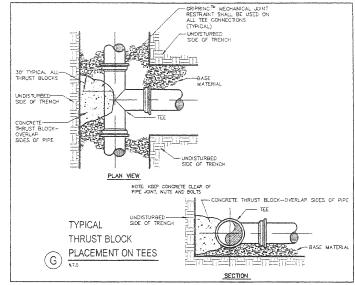
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	LOT 4, 410 RIVERSIDE STREET
	PORTLAND MAINE

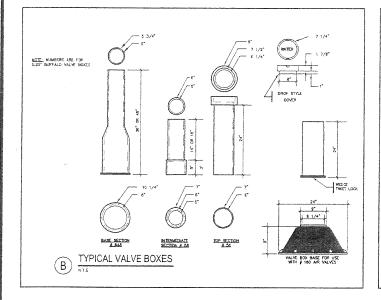
SITE DETAILS

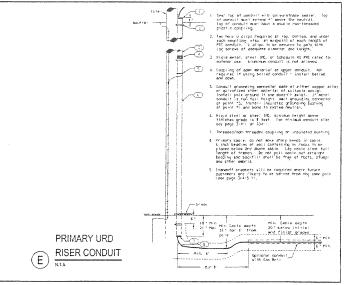
DELUCA-HOFFMAN
ASSOCIATES, INC.
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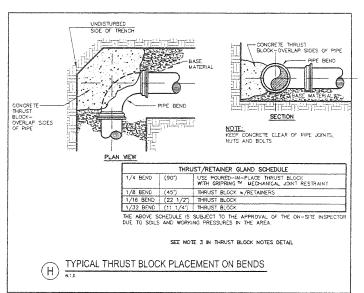


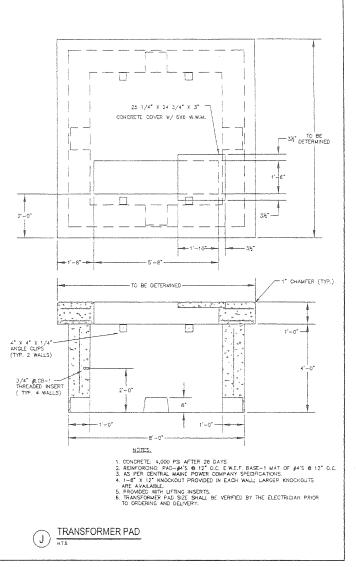


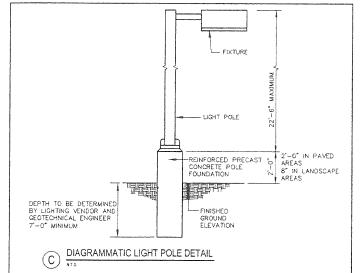


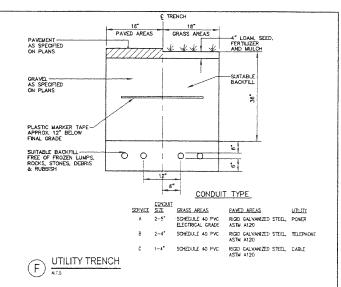


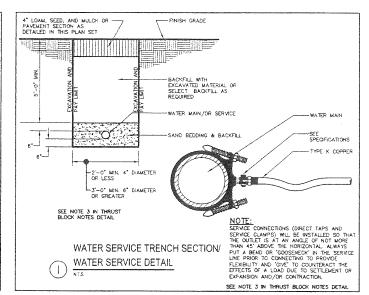


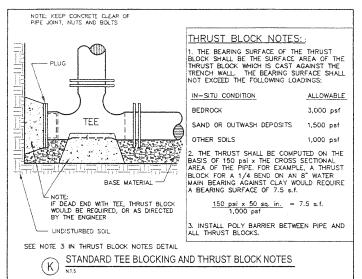


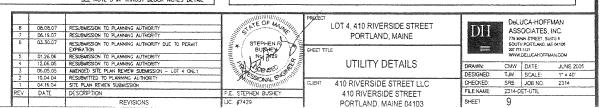




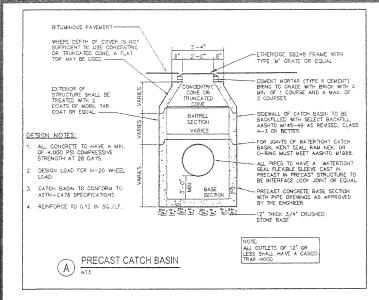


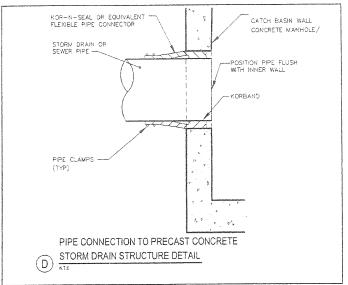


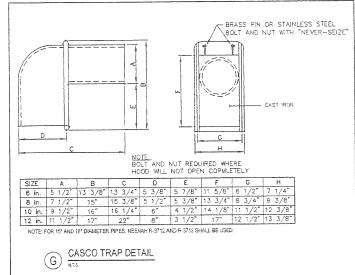




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WIDE SCREEN

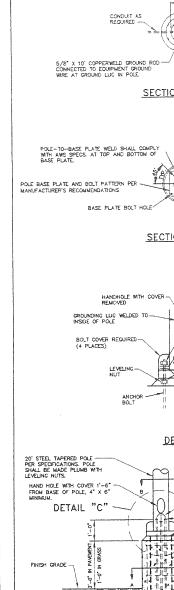
PLACE CONCRETE BLOCKS LENGTHMISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET, WITH THE ENDS OF ADJACENT BLOCKS ABUTTING. THE HEIGHT OF THE BARRIER CAN BE VARIED, DEPENDING ON DESIGN NEEDS BY STACKING COMBINATIONS OF 4", 8" AND 12" MODE BLOCKS. THE BARRIER OF BLOCKS. THE BARRIER OF BLOCKS SHALL BE AT LEAST 12 INCHES HIGH, AND NO GREATER THAN 24" HIGH.

. WRE MESH SHALL BE PLACED OVER THE OUTSIDE VERTICAL FACE (MEBBING) OF THE CONCRETE BLOCKS TO PREVENT STONE FROM BEING WASHED THROUGH THE HOLES IN THE BLOCKS. HARDWARE CLOTH OR COMPARABLE WHRE MESH WITH 1/Z OPENINGS SHALL BE USED.

3. STONE SHALL BE PILED AGAINST THE WIRE TO THE TOP OF THE BLOCK BARRIER, AS SHOWN IN DETAIL. THE STONE FILTER SHALL BE 3/4° CRUSHED STONE.

. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT, SO THAT IT NO LONGER ADEQUATELY PERMIFORMS ITS FUNCTION, THE STONE MUST BE PULLED AWAY FROM THE BLOCKS, CLEANED AND REPLACED.

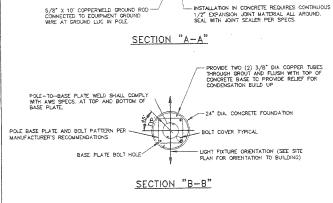
H STONE SEDIMENT BARRIER

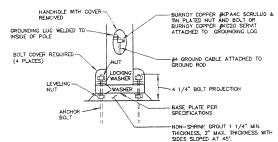


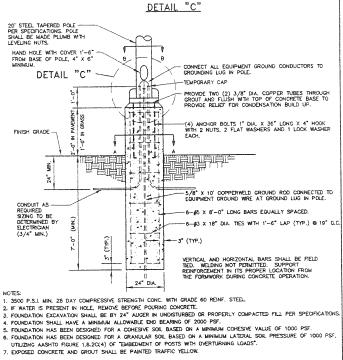
- WIDE SCREEN

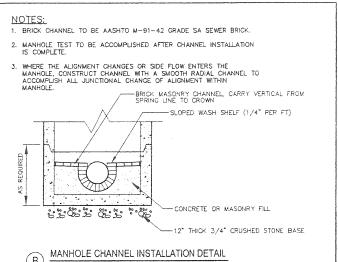
- OVERFLOW

FILTERED WATER



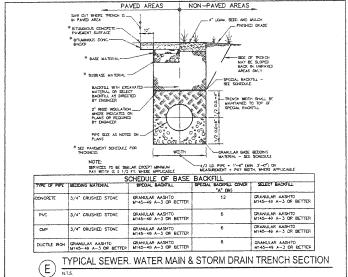


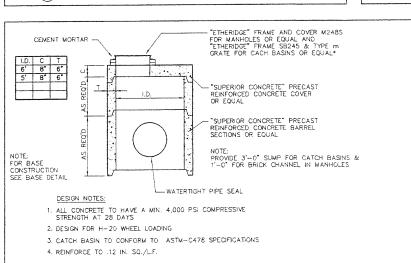


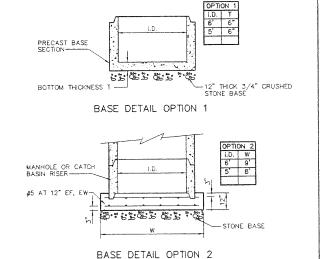


EXTERIOR OF MANHOLE SHALL — BE TREATED WITH 2 COATS OF THE FOLLOWING:

FINE FULLDWING.
TREMCO 112 FOUNDATION COATIN
CSSS BY GAGNE PRECAST
MINWAX FIBROUS BRUSH COAT

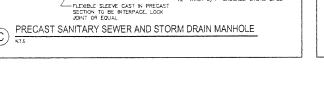


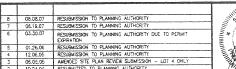




CEMENT MORTAR — "ETHERIDGE" FRAME AND CO FOR MANHOLES OR EQUAL "ETHERIDGE" FRAME SB245 GRATE FOR CACH BASINS C	AND
8° 6° 0 7 7 SUPERIOR CONCRETE" PREI	SECTION SECTIO
	BOTTOM THICKNESS T
"SUPERIOR CONCRETE" PREI	JAS1
SECTIONS OR EQUAL	BASE DETAIL OPTION 1
NOTE: PROVIDE 3'-0' SUMP FOR 1'-0' FOR BRICK CHANNEL UCTION SE DETAIL WATERTIGHT PIPE SEAL	IN MANHOLES OPTION 2 I.D. W 6 9
DESIGN NOTES:	MANHOLE OR CATCH BASIN RISER 1.D. 5' 8'
1. ALL CONCRETE TO HAVE A MIN. 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS	#5 AT 12" EF, EW
2. DESIGN FOR H-20 WHEEL LOADING	
3. CATCH BASIN TO CONFORM TO ASTM-C478 SPECIFICATIONS	्रें देखें देखें के विश्वास है हैं।
4. REINFORCE TO .12 IN. SQ./L.F.	W STONE BASE
LARGE DIAMETER CATCH BASIN WITH FLAT TOP	
(F) DANGE BIANKETER GATOTI BAGIN WITH BUT TO	BASE DETAIL OPTION 2

SPECIFIC APPLICATION





UTILITY DETAILS

LOT 4, 410 RIVERSIDE STREET PORTLAND, MAINE

TYPICAL PARKING LOT LIGHTING POLE FOUNDATION

ASSOCIATES, INC.

CMW DATE: JUNE 2005
TJM SCALE: 1° = 40°

STEPHEN R. BUSINGS MO. 429 0850

-ADJUST TO GRADE WITH SEWER BRICK WITH A MIN. OF 1 COURSE AND A MAX. OF 3 COURSES -- PRECAST CONCRETE TRUNCATED MH CONE.
WHEN DEPTH OF SEWER IS LESS THAN OR
EQUAL TO 5, USE FLATTOP IN UEU OF
TRUNCATED CONE.
-- FOR JOINS OF WATERTIGHT MANHOLE KENT
-- FOR JOINS OF WATERTIGHT MANHOLE KENT
-- ASSITTO MISS ALL PRECAST CONC. SECTIONS SHALL CONFORM TO ASTM C476 AND BE DESIGNED FOR H-2D LOADING SOUND OF MANUEL OF MANUEL AS APPROVED BY THE ENGINEE

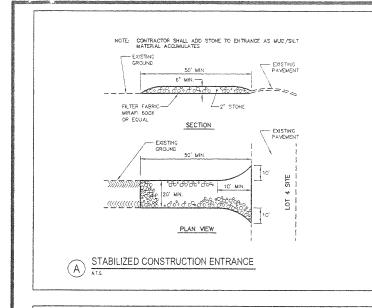
SOUND OF MANUEL ASSAULT ASSAULT

COVER SHALL HAVE UTILITY NAME (SEWER, STORM, ETC.) CAST IN

-12" THICK 3/4" CRUSHED STONE BASE

ETHERIDGE FOUNDRY M248S OR

-CEMENT MORTAR (TYPE II CEMENT)



#11 OR HEAVIER STEEL WIRE

NOTE: STAPLE SPACING AT 3' C/C ALONG MESH EXCEPT AT 4"

OVERLAP WHICH SHALL BE AT 1 1/2' C/C WIRE STAPLE

2 - May 2 - 17 12 - 17 STAPLE AT-

STAPLE AT

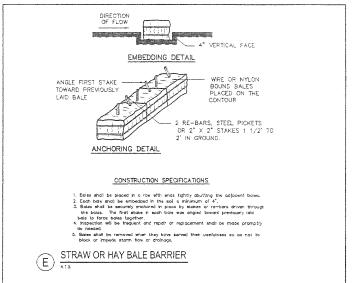
STAPLES AT EDGES, AT QUARTER POINTS, AT 4" OVERLAP

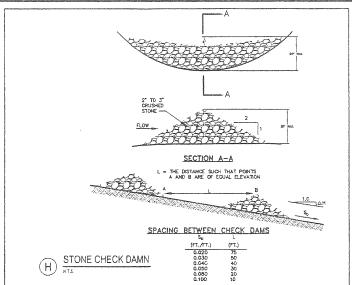
CIRCULAR DITCHES

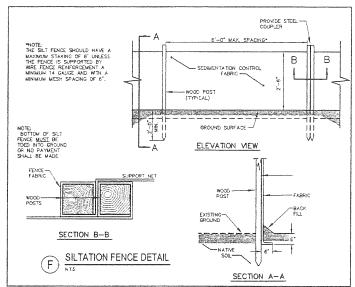
ANCHOR SLOT AT BEGINNING AND END OF MESH

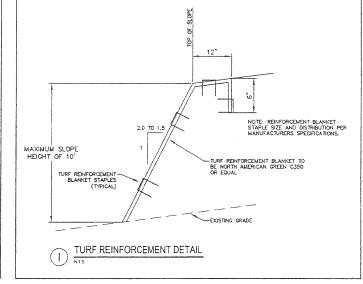
B EROSION CONTROL MESH

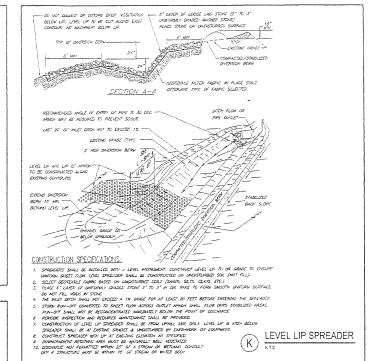
OAM THICKNESS

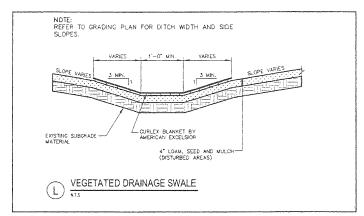


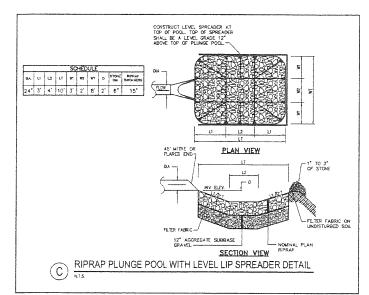


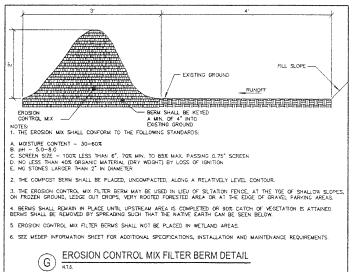


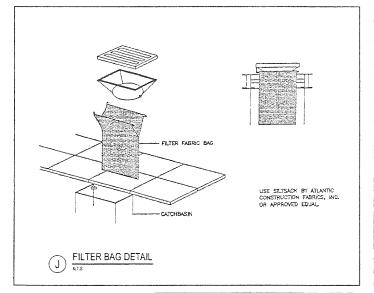


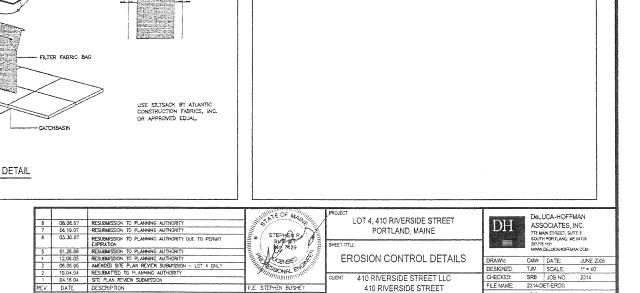












410 RIVERSIDE STREET LLC 410 RIVERSIDE STREET

PORTI AND MAINE 04103

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The primary emphasis of the erosion/sedimentation control plan to be implemented for this

project are as follows: Development of a careful construction sequence. Rapid revegetation of denuded areas to Development of a coreful construction sequence. Rapid revegetation of denuded areas to minimize the period of soil exposure. Rapid stabilization of drainage paths to avoid fill and gully erosion. The use of onsite measures to capture sediment (hay bales/slit fence, etc.) The provisions for long term erosion/sediment and pollutant treatment by the incorporation of permanent Best Management Practices.

Description and Location of Limits of All Proposed Earth Movements.

The construction of the development will require the following on-site improvements.

Earthwork activity including cuts and fills to bring the paved and gravel areas to subgrade.

Construction of stormwater measures.

Construction of parking lats, drive aisles, walkways and installation of storm drains.

Construction of building foundations including such alternatives as piles, preload and wick drains.

Enation/Sedimentation Control Devices

The following erosion and sediment control devices will be implemented by the Contractor as part of the site development. These devices shall be installed as indicated on the plans. For further reference, see the Maine Erosion and Sediment. Control Hondbook for Construction: Best Management Practices.

Sitation fence shall be installed downstream of any disturbed areas to trap runoff borne sediments until the site is revegetated. The silt fence shall be installed per the details provided in the pian set and inspected immediately after each rainfall and at least daily during prolonged "critfall. Repairs shall be made immediately by the Contractor if there are any signs of erosion or sedimentation below the fence line. Proper placement of stakes and fabric into

of erosion or segmentation between the inner time. Proper piocement of stacks and labra time the ground is critical to the fence's effectiveness. If there are signs of undercutting at the center or the eages, or impounding of large volumes of water behind the fence, the barrier shall be replaced with a stone check dam.

Strow or hay mulch including hydroseeding is intended to provide cover for denuded or seeded areas until reveglection is established. Mulch aloaded on slopes of less than 10 percent shall be anchored by applying water; mulch placed on slopes steeper than 10 percent shall be covered with a fabric netting and anchored with stoples in accordance with the manufacturer's recommendations. Slopes steeper than 3:1 which are to be revegetated shall receive Turf Reinforcement by North American Green or equal, Mulch application rates are provided of the end of this section. Hay mulch shall be available on site at all times in order to provide

end of this section. Buy million shall be ovalidate on site at all times in give to provide immediate temporary stobilization when necessary. Ripray slopes, ditch linings, stone check dams, hay bale barriers and culvert outlet aprons are intended to reduce runoff velocities and protect denuded sail surfaces from concentrated flows. Installation details and stone sizes are provided in the construction plan set on the

erosion control detail sheets. Construction entrance will be constructed at all access points anto the site to prevent tracking of soil onto Riverside Street

of soll anto Riverside Street. Storm drain catch basin inlet protection shall be provided through the use of stone sediment. Storm and catch addit intel protection shall be provided through the use of stone sediment barriers or a premanufactured SittSack* as distributed by A. H. Harris. Stone sediment barrier installation details are provided in the plan set. The barriers shall be inspected after each rainfall and repairs made as necessary. Sediment shall be removed and the barrier restored to its original dimensions when the sediment has accumulated to ½ the design depth of the barrier. The barrier shall be removed when the tributary drainage area has

depth of the barrier. The barrier shall be removed when the tributary drainage area has been stabilized. Loam and seed is intended to serve as the primary permanent revegetative measure for all denuded areas not provided with other erosion control measures, such as riprap. Application rates are provided for temporary and permanent seeding in non-wetland areas.

Temporary Erosion/Sedimentation Control Measures
The following are planned as temporary erosion/sedimentation control measures during

Crushed stone stabilized construction entrance(s) shall be placed at the site access to Lot 4 at 400 Riverside Street Properties

Siltation fence or an organic filter barrier shall be installed along the downgradient side of all disturbed areas. The siltation barrier will remain in place and properly maintained until the site is acceptably revegetated.

Temporary stockpiles of stumps, grubbings, or common excavation will be protected as

Temporary stockpass shall not be located within 100 feet of the wetlands or 25° from the top of bank and shall be located away from drainage swales.

Stockpiles shall be stabilized within 7 days by either temporarily seeding the stockpile with a hydroseed method containing an emulsified mulch tackifier or by covering the stockpile with

All denuded areas that are within 100 feet of a wetland which have been rough graded and are not located within the building pad or povement subbase area, shall receive mulch or erosion control mesh fabric within 7 days of initial disturbance of soil. In other areas, the time period may be extended to 14 days.

For work which is conducted between November 1 and April 15 of any calendar year, all denuded areas will be covered with hay mulch, applied at twice the normal application rate and anchored with a fabric netting. The time period for applying mulch shall be limited to 7 days for all areas or immediately in advance of a predicted rainfall event.

The access drive to Lot 4 400 Riverside Street Properties shall be swept to control mud and dust as necessary. A street sweeper shall be available on immediate

During grubbing operations stone check dams or hoy bale barriers will be installed at any evident concentrated flow discharge points.

Sit fencing with a maximum stake spacing of 6 feet 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 case stakes may be spaced a maximum of 10 feet apart. The bottom of the fence should be properly anchored a minimum of 6" per the plan detail and backfilled. Any silt fence identified by the owner or reviewing agencies as not being properly installed during construction shall be immediately repaired in accordance with the installation details.

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

All storm drain pipes shall have riprap aprons and plunge pools at their outlet to protect the autiets and receiving channels of the culverts from scour and deterioration. Installation details are provided in the plan set. The aprons and plunge pools shall be installed and stabilized prior to directing runoff to the tributary pipes or culverts.

The water quality units will discharge to riprop stabilized outlets

All areas disturbed during construction, but not subject to other restoration (paving, riprap, etc.) will be loamed, limed, fertilized, mulched, and seeded. Fabric netting, anchored with stoples, shall be placed over the mulch in areas where the finish grade slope is greater than 10 shall be placed over the much it dees where the many grove special greater train to be precent. All areas within 100° of a wetland shall receive protection within 7 days. Native topsoil shall be stockpiled temporarily stabilized with seed and mulch and reused for final restoration when it is of sufficient quality.

Catch basins will be provided with 2' sediment sumps and Casco traps over the outlet

<u>Timing and Sequence of Ension/Sedimentation Control Measures</u>
The following construction sequence shall be required to insure the effectiveness of the erosion and sedimentation control measures are optimized. The sequence applies to all phases of construction.

For all grading activities, the contractor shall exercise stateme caution not to overexpose the site by limiting the disturbed areas. Install crushed stane stabilized construction entrances as shown on plans. Install perimeter slittation barriers as indicated on the plans. Clear and grub areas necessary for the stormwater systems and building foundation areas. Beain excavation.

Ciear and grub areas necessary for the stormwater systems and building founcation Eagin excavation.

Excess materials shall be stockpiled and stabilized for use as fills for later grading aperations. Install slit barriers at toe of berms for erosion protection. Perform earthwork to bring povement areas and building pads to subgrade. Begin installation of arainage appurtenances and bipling and utilities Commence additional earthwork in fill areas of the parking areas. Complete earthwork and grading to subgrade as necessary for parking areas. Complete installation of storm drainage appurtenances within poved areas. Structures within the parking areas shall be temporarily set to subgrade and shall be reset upon placement of gravel and asphall during a future phase. Complete all remaining earthwork operations including fine grading of slopes. Install subbase and base gravels within paved and gravel areas. Install base course paving for parking areas. Loam, lime, fertilize, seed and mulch disturbed area and complete all landscapping.

For all prading activities, the contractor shall exercise extreme caution not to

landscaping.
Install surface course poving for pavement areas. Stripe per plans.
Remove accumulated sediment from cheed of any sediment barriers as necessary.
Once the site is stabilized and a 75% catch of vegetation has been obtained, remove all

once the site is stabilized and a 75% obtain or vegetation has been obtained, femore an temporary erosion control measures. Touch up foom and seed. Note: All denuded areas not subject to final poving, riprop or gravel, shall be revegetated. Due to the timing and size of the project, completion of the facilities within a summer construction season may not occur. For all work which will be conducted between November 1 and April 15 of the calendar year, the Contractor shall submit a schedule which will satisfy the

following criteria: Limit the amount of exposed area to those areas in which work is expected to be undertaken during the proceeding 15 days. During the construction process, all disturbed areas shall be covered with mulch within 7 days

Once final grades have been established, the contractor may choose to dormant seed the disturbed areas prior to placement of mulch and placement of fabric netting anchored with

apres.

dormant seeding is used for the site, all disturbed areas shall receive 4" of loam and seed an application rate of 5#/1600 s.f.

All areas seeded during the winter months will be inspected in the spring for adequate catch. All areas in sufficiently vegetated (less than 75 percent catch) shall be revegetated by replacing loam, seed and mulch.
If dormant seeding is not used for the site, all disturbed areas shall be revegetated in

The spring. The area of denuded non-stabilized construction shall be limited to the minimum area practicable. An area shall be considered to be denuded until the subbase gravel is installed parking areas, the base slab gravel is installed in building areas, or the areas of future loam and seed have been loamed, seeded, and mulched. The mulch rate shall be twice the rate specified. [For example, 115#/1,000 s.f. \times 2 = 230#/1,000s.f.] Within the exposed work area temporary sedimentation sumps shall be provided at the interface between parking areas and temporary seatmentation sumps shall be provided at the interface between purking areas and graded slopes. This shall be accomplished by creating an area 18° below adjacent temporary grades. The sedimentation area shall have a bottom width of 3' and 3.1 side slopes. Culverts to allow access shall be installed by the Contractor. Along the sedimentation sumps, barriers shall be provided of sufficient intervals to permit runoff to be accumulated to a minimum depth of 12° before overflowing. The schedule shall be subject to the approval

The Contractor must install any added measures which may be necessary to control erosion/sedimentation from the site dependent upon the actual site and weather conditions

The Contractor shall note that no area within 100 feet of a wetland shall remain denuded for a period of over 7 days before it is temporarily stabilized. Temporary stabilization shall be installation of gravel or mulching. All other creas shall be stabilized within 14 days. For construction between November 1 and April 15 of any calendar year, all areas shall be temporarily stabilized within 7 days or prior to a forecasted rainfall event.

PERMANENT SEEDING PLAN NON-WETLAND AREAS

Project 410 Riverside Street
Site Location Portiona, Maine
Fermanent Seeding X Temporary Seeding
1.Area to be seeded: <1 acre, OR 20M Sq. Ft.
2.Instructions on preparation of soils: Prepare a good seed bed for planting method

used.

3.Apply lime as follows: #/acres, OR 138#/M Sq. Ft.

4.Fertilize with pounds of N-P-K/ac. OR
18.4 pounds of 10 - 20 - 20 N-P-K/M Sq. Ft.

5.Metnod of applying lime and fertilizer: Spread and work into the soil before seeding.

6.Seed with the following mixture:

5.Method of applying lime and fertilizer: Spread and work into the Soil before seeding.
6.Seed with the following mixture:
45% Kentucky Bluegrass
45% Kentucky Bluegrass
45% Creeping Red Fescue
10% Perennial Ryegrass
When using small grain as nurse crop seed it at one-half the normal seeding rate.
7.Mulching instructions: Apply at the rate of tons per acre. OR
115 pounds per M. Sq. ft.
138 #/1000 sq. ft.
9.TOTAL LIME 138 #/1000 sq. ft.
10.TOTAL SEED 1.03 #/1000 sq. ft.
11.TOTAL SEED 1.03 #/1000 sq. ft.
11.TOTAL MUICh 115 #/1000 sq. ft.
12.TOTAL other materials, seeds, etc.
13.REMARIS
Spring seeding is recommended, however, late summer (prior to September 1) seeding can be made. Permanent seeding should be made prior to August 5 or as a dormant seeding after the first killing frost and before the first snowfall. If seeding connot be done within these seeding actes, temporary seeding and mulching shall be used to protect the site. Permanent seeding shall be delayed until the next recommended seeding period.

Fertilizer requirements shall be subject to actual test results of the topsoil used for the project. The Contractor shall be responsible for providing topsoil test results for pH and recommended fertilizer application rates to the owner.

TEMPORARY SEEDING PLAN NON-WETLAND AREAS Project Lot 4 410 Riverside Street

Site Location Portland, Maine
Permanent Seeding X Temporary Seeding
1.Area to be seeded: <1 acre, OR 20M Sq. Ft.
2.Instructions on preparation of soil: Prepare a good seed bed for planting method

used. 3.Apply time as follows: #/ccres, OR 138#/M Sq. Ft. 4.Fertilize with pounds of N-P-K/ac. OR 18.4 pounds of 10-20-20 N-P-K/M Sq. Ft. 5.Method of applying line and fertilizer: Spread and work into the soil before seeding. 6.Seed with the following mixture:

50% Perennial Ryegrass

50% Where Rye
When using small grain as nurse crop seed it at one—half the normal seeding rate.
7.Mulching instructions: Apply at the rate of tons per acre. OR
230 pounds per M. Sq. Ft. AmountUnit #, Tons, Etc.

AmountUnit #, Tons, Etc.
8.TOTAL LIME. 138#/1000 sq. ft.
9.TOTAL FERTILIZER 18.4#/1000 sq. ft.
10.TOTAL SEED 1.75#/1000 sq. ft.
11.TOTAL MULCH 230#/1000 sq. ft.
12.TOTAL other materials, seeds, etc.
13.REMARKS
Recommended seeding dates after August 15.
For areas with slopes >10%, waterways, areas within 100 feet of wetlands, and fall and winter erosion control areas, mulch netting shall be used per manufacturer's specifications.

Fertilizer requirements shall be subject to actual test results of the topsoil used for the project. The Contractor shall be responsible for providing topsa results for pH and recommended fertilizer application rates to the owner

Ereston Control Mix for Mulch

SPECFICATIONS
Engine control mix can be manufactured on or off the project site. It consists primarily of organic material, separated of the point of generation may require sharedoot bork, a tump gradings, composed bork, or flume grit and fragmented waso generated from water-flume top nandling systems. Most chips, ground construction debris, reprocessed wood products or both chips are not exceptable as the program commonwell of the

mb.
Endedon control mb: is composed at a well-graced mixture of porticle sizes and may contain rocks less than 4° in diameter. Engine control mix must be tree of refuse, physical contaminants, and material toxic to pient growth.

OUPDSTICE.

The organic motifse content is between 6.0 and 100%, dry weight basis.

The organic motifse content is between 6.0 and 100%, dry weight basis.

Profutor size by weight is 10.0 by passing of 6 reserves and a minimum of 70 %, maximum of 85%, passing o 0.75% screen. The organic portion needs to be favorus and exempted.

Lamp portions of alls, citype in first sensor or not accountable in the mix.

South soils content is less than 1.0 and minimo/farm.

STALLATION.

NSTALLATON

When used as much, the length and steepiness of the slope determines the appropriate thickness of the erosion control mix. Erosion control mix is not recommended for 21 slopes or greater. For other dispes, the following minimums apply:

On stopes of 3.1 or less 2 harbes plus an additional 1/2 harber 20 hard of slope plus for 1/2 harber 20 hard 1/2 harber 20 feet of slope up to 100 feet.

The thiorness of the much of the pluttern of the slope seeds to be \$1.50 \text{ slope}\$ and \$2.50 \text{ slope}\$ and

Below culvert outlet oprons; and

Around catch beains and closed atorm systems.

A number catch bears and closed storm systems.

A number catch bears and closed storm systems.

ANOTENNIC.

ANOTENNIC.

ANOTENNIC.

It is a support of the property of the pro

Erosion Control Mix for Barriers

SPECIFICATIONS
Eroson control mix con be manufacture) on or off the project site. It consists princitly of argonic material, separated but the point of generation and may include threadow born, sturning syndrous, comparted born, or fluther gift and tragmented wood generated from water—fluthe log handling systems. Need chips, ground construction debris, reprocessed wood products or born chips are not acceptable as the arganic component of the

mix.

English control mix contains a well-groups mixture of particle sizes and may contain racks less than 4" in diameter. Erosion control mix must be free of refuse, physical contoninants, and material tract to plant growth.

COMPOSITION

COMPOSITION

The mix should have the following composition:

The original motter content is between 60 and 100X any weight basis.

Particle size by weight is 10X 8 possing of 6 servers and a minimum of 70 % maximum of 85% passing o 0.75° coreer.

Large portions of sits, days or fine sends are not occupitable in the mix.

Soluble solids content is less than 4.0 minks,/cm.

The pi should fall between 5.0 and 6.0 minks,/cm.

STEMLATION OF SEMENT ISSENSERS. NO.INLAND UP SUMMAND ADMINES

On Stopes lises than 5.7 or of the bottom of steeper sopes. (<2:1) up to 20 feet long, the borner should be a minimum of 12" high, as measured on the upbill side of the borrier, and a minimum of tra feel wide. On longer or steeper stopes, the borner should be wider to accommodate the additional down.

immodals the additional flow.

The barrier must be placed along a relatively level contour, it may be necessary to cut tail grasses or woody vegetation to evoid creating and bridges that would enable fines to work under the barrier through the grass blocks or pirot stams.

Code locations for stand—done use eithout relationscenent by other Buffes are:

The second secon

All low points of concentrate runum;

Below culterf culti-degrains;

Where a previous stand-agains control imb application has failed;

At the bottom of steep perimeter sopies that are more than 50 feet from top to bottom (i.e., a large up-gradient contributing)

At the bottom of steep perimeter sopies that are more than 50 feet from top to bottom (i.e., a large up-gradient contributing) At the bottom of steep perimeter slopes that watershed); and
 Around catchbasins and closed storm systems.
 ONSDERA FIGNS

Sectionals barriers should not be used in streams and large drainage ways!

If there is evidence of end flow caused instituted barriers, and barriers uptill ar consider replacing them with temporary check dome.

Sectional barriers ahould be listedled prior to disturbing oil in the drainage and above them. MANILANAL.

The eration control mix barriers should be inspected regularly and after each large raintal. Any required repairs should be made immediately, with additional erasin control mix placed on the bern to reach the desired height and width. Follows is typically not calculatophic and is more

with additional erasian control mis placed on the bern to resource experience on impounding large enumers of water behind the barrier, it may be necessary to renforce the bernier by bading nonther sediment barrier, such as a temporary road check down.

Sediment appoints should be removed when they reach approximately one-half the height of the barrier. When the barrier is decomposed, clagged with sediment, ended or ineffective, it must be replaced or repaired. The barrier should be removed an experience of the property of the barrier about the barrier is decomposed, clagged with sediment, ended or ineffective, it must be replaced or repaired. The barrier should be resolved on market.

• When the borrier is eccomposed, progect with seathers, evocation interestives, in miss the required in reprised, in the second process and the second process are second process.

08.08.07 RESUBMISSION TO PLANNING AUTHORITY 06.19.07 RESUBMISSION TO PLANNING AUTHORITY RESUBMISSION TO PLANNING AUTHORITY DUE TO PERMI DOPARION

OTIZE OF RESUBASSON TO PLANNING AUTHORITY

12.06.05 RESUBASSON TO PLANNING AUTHORITY

06.05.05 RESUBASSON TO PLANNING AUTHORITY

06.05.05 AMENDED STE PLAN REVIEW SUBMISSON LOT 4 DRLY

06.10.04 STE PLAN REVIEW SUBMISSON

ON 16.04 STE PLAN REVIEW SUBMISSON



OT 4 410 RIVERSIDE STREET PORTLAND MAINE

EROSION CONTROL NOTES

DELUCA-HOFFMAN ASSOCIATES, INC.

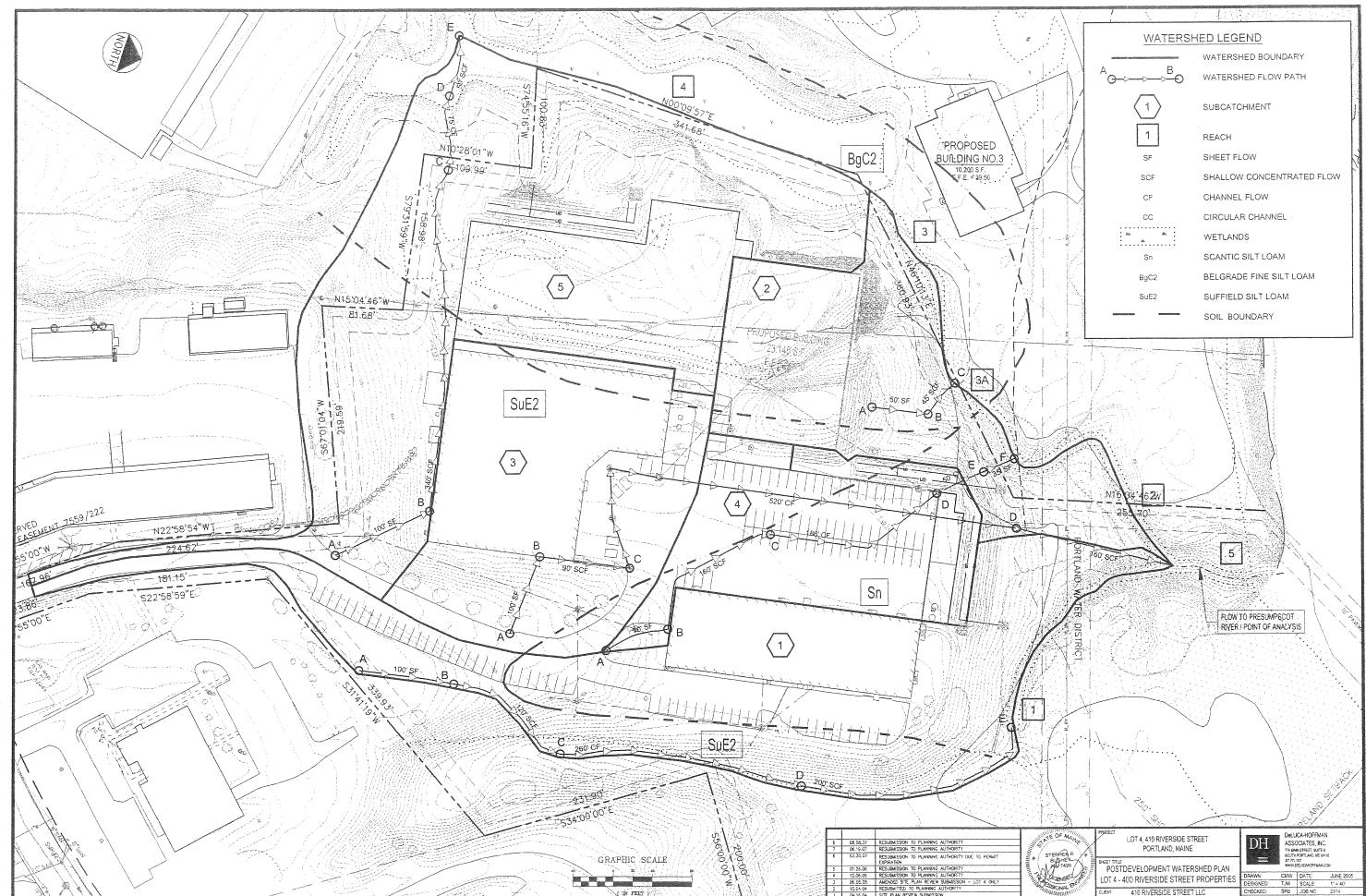
T78 MAIN STREET, SUITE 8
SOUTH PORTLAND, ME 04108
20T.TPL:1121
WWW.DELUCAHOFFMAN.DOM
 DRAWN:
 CMW
 DATE:
 JUNE 2005

 DESIGNED:
 TJM
 SCALE:
 1' = 40'

CHECKED: SRB JOB NO.
FILE NAME: 2314-DET-EROS

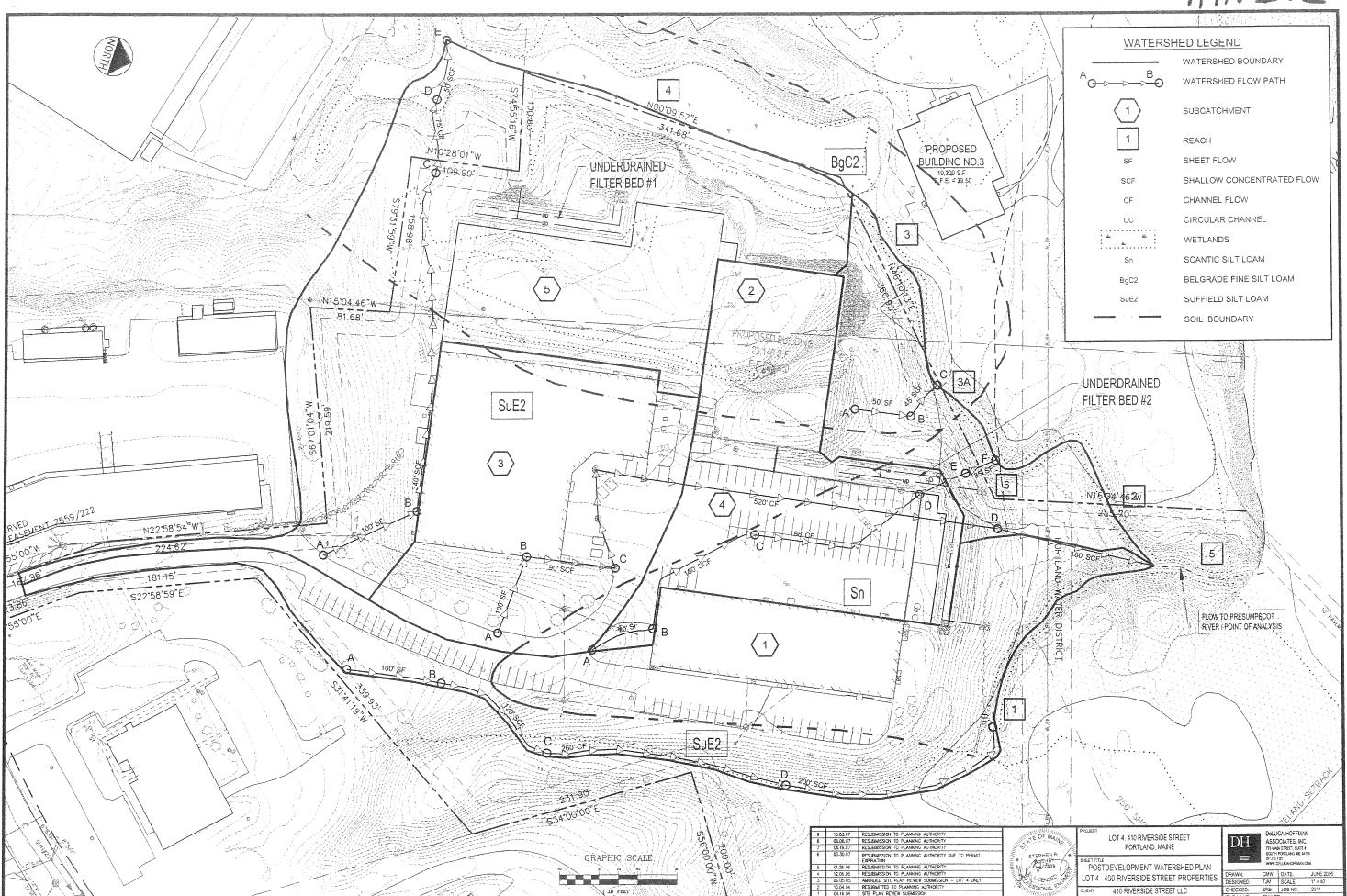
DeLUCA-HOFFMAN

CLIENT 410 RIVERSIDE STREET LLC



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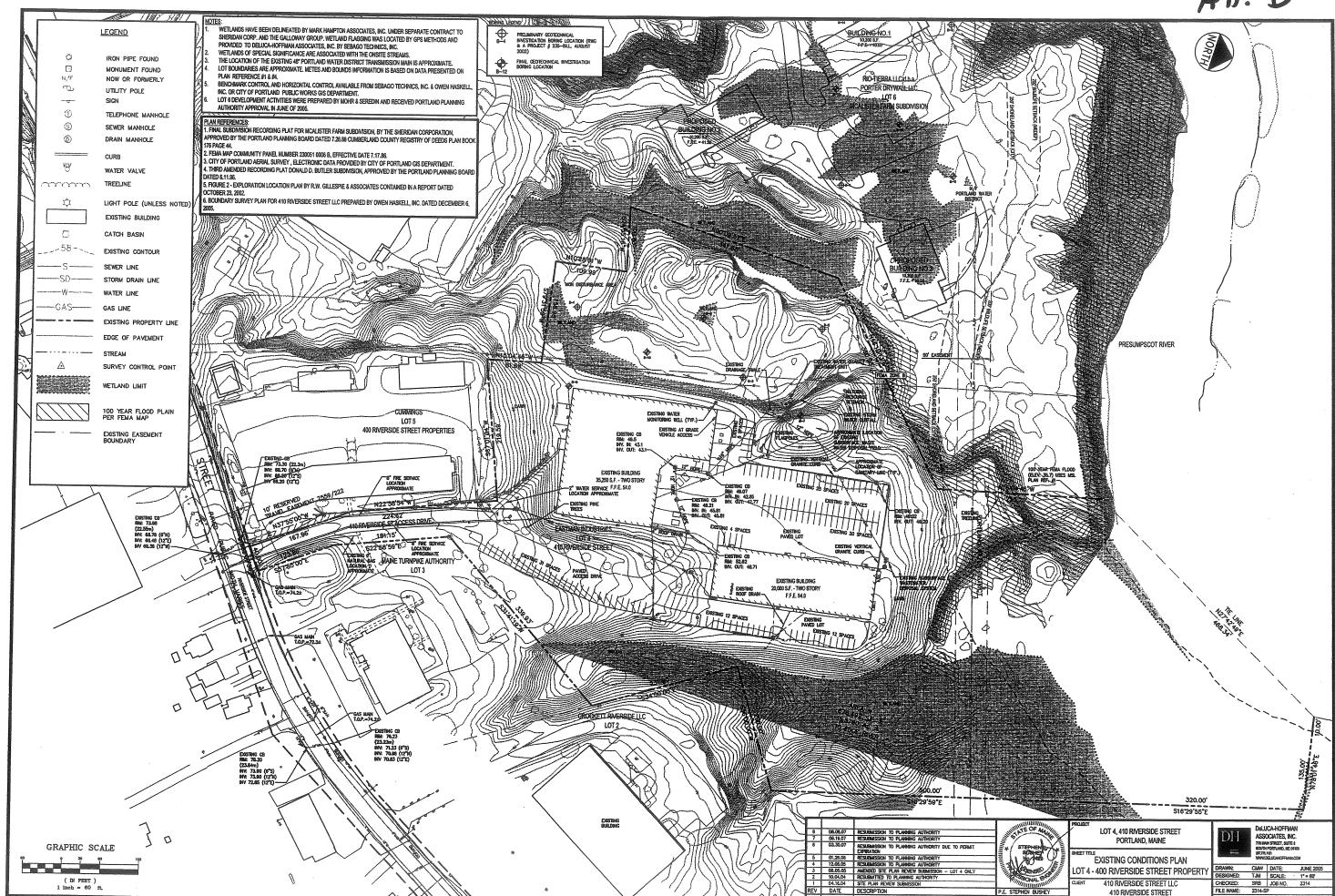
AH. I.Z



PORTION OF TM 320-A-1 & TM 321-A-10 N/F MARTIN RIST & BARNYSUE J. BRUNET, TRUSTEES 14592/292 N00'09'57"E 341.68 N10"28'01"W LOCATION MAP PORTION OF TM 320-A-6 N/F USPS 10839/284 BARBED WIRE FENCE REMNA \$69°34'32°W 7.73' LPG TANKS 5/8"IRF N15'04'46"V THIIIIIIIIIIIIIII COMMERICAL BUILDING CONC. PADS TM 320-A-4 N/F MARTIN RIST & BARNYSUE J. BRUNET, TRUSTEES CONC. 14592/292 COMMERICAL BUILDING MAILBOX AREA : 蜀 678,492 S.F. ± 15.5760 Ac. ± TO EDGE RIVER 250. STORELAND SETERCY BRASS CAP
FOUND & HELD TM 320-A-3 MAINE TURNPIKE AUTHORITY 6248/347 FERE STREET 516°29'59"E TM 321-A-4 PENDE ASSOCIATES, INC. 13128/174 TM 320-A-5 N/F CROCKETT RIVERSIDE LLC 17237/28 NOTES: RECORD OWNERSHIP OF THE SUBJECT PROPERTY IS MARTIN RIST AND BARNYSUE BRUNET, (A.K.A. BONNIE BRUNET) TRUSTEES, AND IS REFLECTED IN THE FOLLOWING DEEDS: 14592/292, PLAN REFERENCES: 17989/303, 22290/17, 23429/140, 23429/143, CUMBERLAND COUNTY REGISTRY OF DEEDS (C.C.R.D.). "DONALD O. BUTLER SUBDIVISION, RIVERSIDE STREET, PORTLAND, MAINE, THIRD AMENDED RECORDING PLAT" DATED APRIL 30, 1996 BY LAND USE CONSULTANTS, 197/115, C.C.R.D. 2. BEARINGS ARE BASED ON PLAN REFERENCE 1. LEGEND: SUBJECT PROPERTY IS COMPRISED OF PORTIONS OF LOTS 1, 2, AND 6, MAP 320, BLOCK A, AND A PORTION OF LOT 5, MAP 321, BLOCK A OF THE CITY OF PORTLAND ASSESSORS MAPS. IRON PIPE OR ROD FOUND "DONALD O. BUTLER SUBDIMISION, RIVERSIDE STREET, PORTLAND, MAINE, SECOND AMENDMENT RECORDING PLAT DATED JANUARY 21, 1987 BY LAND USE CONSULTANTS 161/15, C.C.R.D. REV. 2 01-03-06 TITLE BLOCK AND CERTIFICATION REV. 1 12-23-05 TIE LINE AND NOTE 5 ADDED UTILITY POLE 4. RIVERSIDE STREET LINE IS BASED ON FOUND MONUMENTS AND PLAN REFERENCE 1. MANHOLE BOUNDARY SURVEY "SUBDIVISION AMENDMENT OF LOTS 1, 1A, & 6, MCALISTER FARM & LOT 4, DONALD O.BUTLER SUBDIVISION, RIVERSIDE STREET AND MCALISTER DRIVE, PORTLAND, MAINE," DATED APRIL 27, 2005 BY SEBAGO TECHNICS, 205/398, C.C.R.D. AND PLAN REFERENCE 1.

ACCORDING TO FEMA F.I.R.M. PANEL 6 OF 17 FOR THE CITY OF PORTLAND, COMMUNITY—PANEL NUMBER 230051 0005 C, HAVING A REVISION DATE OF DECEMBER 8, 1988, PORTIONS OF THE SUBJECT PROPERTY LIE IN ZONE AE, AN AREA WHERE BASE FLOOD ELEVATIONS ARE DETERMINED, AND ZONE X, WHICH IS DESCRIBED AS: "AREAS OF 500 YEAR FLOOD. AREAS OF 100 YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SOURCE MILE; AND AREAS PROTECTED BY LEVEES FROM 100 YEAR FLOOD." CATCH BASIN _ **68**0 €W RIVERSIDE STREET, PORTLAND, MAINE GAS METER CERTIFICATION; OWEN HASKELL, INC. HEREBY CERTIFIES TO:
LAWYERS TITLE INSURANCE CORPORATION, BIGELOW TITLE COMPANY,
NORWAY SAVINGS BANK, PORTLAND DOWNTOWN CORPORATION, AND ® EM ELECTRIC METER 410 RIVERSIDE ST., LLC . "SUBDIVISION — REVISED LOT 6 OF: LOTS 1, 1A, & 6, MCALISTER FARM & LOT 4, DONALD O.BUTLER SUBDIVISION, RIVERSIDE STREET AND MCALISTER DRIVE, PORTLAND, MAINE, GUARDRAII FENCE 83A BELL STREET, PORTLAND, MAINE 410 RIVERSIDE ST., LLC: CURB THAT THIS PLAN IS BASED ON, AND THE RESULT OF, AN ON THE GROUND FIELD SURVEY AND THAT TO THE BEST OF OUR KNOWLEDG INFORMATION AND BELIEF, IT CONFORMS TO THE BOARD OF LICENSU FOR PROFESSIONAL LAND SURVEYORS CURRENT STANDARDS DATED MAY 6, 2005 BY OWEN HASKELL, INC., 205/399, C.C.R.D. OWEN HASKELL, INC. 6. SURVEYED PROPERTY IS SUBJECT TO A 50 FOOT WIDE PORTLAND WATER DISTRICT, EASEMENT AND A 250 FOOT SHORELAND ZONE BOUNDARY AS SHOWN ON PLAN, AS WELL AS BEING SUBJECT TO AND WITH THE BENEFIT OF EASEMENTS AND ENCLMBRANCES REFLECTED ON PLAN REFERENCE 1 AND USTED W 14592/292. "BOUNDARY SURVEY ON 470 RIVERSIDE STREET, PORTLAND, MAINE MADE FOR PENDE ASSOCIATES, INC." DATED MARCH 22, 2004. BY OWEN HASKELL, INC. 16 CASCO St., PORTLAND, ME 04101 (207)/774
PROFESSIONAL LAND SURVEYORS GRAPHIC SCALE Drwn By JAW DEC 5, 2005 1/3/06 DATE / 6. CITY OF PORTLAND'S ASSESSOR'S MAPS.

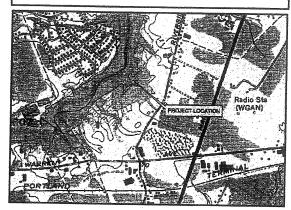
Check by JMS Social Soc



PROPOSED

CONTOUR LINE

EDGE OF PAVEMENT



INDEX

LOCATION MAP

COVER SHEET, GENERAL NOTES & LEGEND BOUNDARY SURVEY PLAN
OVERALL PROPERTY SUMMARY PLAN EXISTING CONDITIONS PLAN SITE LAYOUT AND LANDSCAPE PLAN GRADING, DRAINAGE AND EROSION CONTROL PLAN

UTILITY PLAN
SITE DETAILS
SITE DETAILS
UTILITY DETAILS STORMDRAIN DETAILS

EROSION CONTROL DETAILS EROSION CONTROL NOTES FILTER BERM CROSS SECTIONS

PREPARED BY

CIVIL ENGINEER:

DeLuca-Hoffman Associates, Inc. 778 MAIN STREET, SUITE 8 SOUTH PORTLAND, MAINE 04106 (207) 775-1121

SURVEYOR: Owen Haskell, Inc. 16 CASCO STREET PORTLAND, MAINE 04101

GEOTECHNICAL ENGINEER:

R.W. Gillespie & Associates, Inc. 86 INDUSTRIAL PARK ROAD, SUITE 4 SACO, MAINE 04072

ENVIRONMENTAL ENGINEER: Sebago Technics, Inc. 1 CHABOT STREET WESTBROOK, MAINE 04098

410 RIVERSIDE STREET LLC d.b.a. EASTMAN INDUSTRIES 410 RIVERSIDE STREET PORTLAND, MAINE 04103

410 RIVERSIDE STREET LLC d.b.a. EASTMAN INDUSTRIES 410 RIVERSIDE STRFFT PORTLAND, MAINE 04103

I HEREBY ACKNOWLEDGE THAT THESE PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MAINE AND THAT I AM COMPETENT TO PREPARE THIS DOCUMENT.

LOT 4 410 RIVERSIDE STREET PORTLAND, MAINE

UTILITIES

SEWER ATTN: FRANK BRANCELY PORTLAND PUBLIC WORKS 55 PORTLAND STREET PORTLAND, MAINE 04101

WATER ATTN: DAVE COFFIN PORTLAND WATER DISTRICT 225 DOUGLASS STREET P.O. BOX 3553 PORTLAND, MAINE 04104-3553 (207) 774-5961

ELECTRIC ATTN: MARK KREIDER CENTRAL MAINE POWER COMPANY 162 CANCO ROAD PORTLAND, MAINE 04104 (207) 828-2683

GAS ATTN: RICK BELLEMARE NORTHERN UTILITIES, INC. 1075 FOREST AVENUE PORTLAND, MAINE 04103 (207) 797-8002, EXT.6247

TELEPHONE ATTN: BRUCE CROSBY **VERIZON** 5 DAVIS FARM ROAD PORTLAND, MAINE 04103 (207) 797-1788

CABLE ATTN: DEBRA PAIEMENT AND/OR TIME WARNER CARLE PORTLAND, MAINE 04102 (207) 253-2262 (DEBRA) (207) 253-2291 (DON)

FIRE ALARM ATTN: CAPT. CASS PORTLAND FIRE DEPT. CENTRAL FIRE STATION CONGRESS STREET PORTLAND, MAINE 04101 (207) 8874-8300

DIG SAFE 1-800-225-4977 **PERMITS**

LOCAL SITE PERMIT APPROVAL (DELEGATED AUTHORITY FOR SITE LAW REVIEW)

BUILDING PERMIT CERTIFICATE OF OCCUPANCY

STATE NRPA TIER 1

MAINE CONSTRUCTION GENERAL PERMIT (MCGP)

GOVERNING BODY STATUS PREVIOUSLY SUBMITTED BY DIRECTOR OF PLANNING AND ECONOMIC DEVELOPMENT ENGINEER ON BEHALF OF OWNER CITY OF PORTLAND PLANNING AUTHORITY CITY HALL CONGRESS STREET PORTLAND, MAINE 04101 (207)879-330 ATTN: BARBARA BARHYDT BUILDINGS AND CODE ENFORCEMENT OFFICE

CITY OF PORTLAND, CITY HALL (207)874-8300

MeDEP BUREAU OF LAND & WATER QUALITY 312 CANCO ROAD PORTLAND, MAINE 04103

MeDEP BUREAU OF LAND & WATER QUALITY 312 CANCO ROAD

TO BE SUBMITTED BY OWNER/GENERAL CONTRACTOR

MeDEP PERMIT APPROVAL NO. L-7696-TB-G-N

TO BE SUBMITTED 14 DAYS IN

ADVANCE OF CONSTRUCTION

Α

LEGEND

100 YEAR FLOOD PLAIN PER FEMA MAP

EXISTING

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SILT FENCE UTILITY POLE UTILITY LINE TELEPHONE MANHOLE BUILDING SEWER MANHOLE SIGN DRAIN MANHOLE BOLLARD CURB CATCH BASIN INLET SEDIMENT BARRIER STORM DRAIN MANHOLE TREELINE STORM DRAIN LINE LIGHT POLE (UNLESS NOTED) EXISTING TREE TO BE REMOVED EXISTING BUILDING EXISTING TREE TO REMAIN GRANITE CURB EXISTING CONTOUR BITUMINOUS CURB (9) SEWER LINE PROPOSED BUILDING NUMBER STORM DRAIN LINE WATER LINE GAS LINE EDGE OF PAVEMENT STREAM SURVEY CONTROL POINT WETLAND LIMIT

GENERAL NOTES:

THIS PROJECT IS SUBJECT TO THE TERMS AND CONDITIONS OF ALL REGULATIONS ADMINISTERED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, MAINE DEPARTMENT OF TRANSPORTATION, LOCAL UTILITY COMPANIES AND THE CITY OF PORTLAND.

THE CONTRACTOR SHALL REFER TO THE DESIGN-BUILD PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF THE ENTRANCES, PAVING, EXITS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE POINTS.

3. ALL REQUIRED AND NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL

4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR THE ELEVATION OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE IS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

5. MAINTENANCE OF EROSION CONTROL MEASURES IS OF PARAMOUNT IMPORTANCE TO THE OWNER AND THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IF DEPEMED NECESSARY BY ONSTE. MSPECTIONS OF THE OWNER OR THEIR REPRESENTATIVES AT NO ADDITIONAL COST TO THE OWNER.

ALL MATERIAL SCHEDULES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL PREPARE HIS OWN MATERIAL SCHEDULES BASED UPON HIS PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR PERFORMING WORK.

ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, THE PROJECT SPECIFICATIONS, AND THE CITY OF PORTLAND TECHNICAL STANDARDS.

8. TOPOGRAPHIC SURVEY INFORMATION WAS TAKEN FROM CITY OF PORTLAND AERIAL SURVEY, ELECTRONIC DATA 18. BUILDING SUMMARY: LOT 4 PROPOSED 23,140 S.F. PROVIDED BY CITY OF PORTLAND GS DEPARTMENT.

BOUNDARY SURVEY INFORMATION TAKEN FROM FINAL SUBDIVISION RECORDING PLAT, BY THE SHERIDAN CORPORATION, APPROVED BY THE PORTLAND PLANNING DEPARTMENT DATED 7.26.88. CUMBERLAND COUNTY REGISTRY OF DEEDS PLAN BOOK 176, PAGE 44.

10. FEMA MAP COMMUNITY PANEL NUMBER 230051 0006B, EFFECTIVE DATE 7.17.86.

Wetlands have been delineated by Mark Hampton Associates, Inc. under separate contract to sheridan corp. And the galloway group. Wetland Flagging was located by GPS methods and provided to deluca—hoffman associates, Inc. by sebago technics, Inc.

12. THE PROPERTY SHOWN ON THIS PLAN MAY BE DEVELOPED AND USED ONLY AS DEPICTED IN THIS APPROVED PLAN. ALL ELEMENTS AND FEATURES OF THE PLAN AND ALL THE PROPERTY WHICH APPEARS IN THE RECORD OF THE PLANNING BOARD PROCEEDINGS ARE CONDITIONS OF THE APPROVAL NO CHANGE FROM THE CONDITIONS OF APPROVALS IS PERMITTED UNILESS AN AMENDED PLAN IS FIRST SUBMITTED TO AND APPROVED BY THE PLANNING AUTHORITY.

LAND TRANSFER PLAN OF 400 RIVERSIDE STREET PREPARED FOR THE GALLOWAY GROUP BY SEBAGO TECHNICS. INC.

ALL SIGNAGE SHALL CONFORM TO THE STANDARDS FOR SIZE, HEIGHT, LOCATION AND REPLECTIVITY SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEWCES (MUTCD).

ALL PARKING STALLS SHALL BE MARKED OFF BY 4" SOLID YELLOW LINES EXCEPT AS SHOWN ON THE LAYOUT PLAN.

16. ALL CURB SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS AS NOTED ON THE PLANS: GRANTE AND BITMINIOUS CONCRETE CURB SHALL MEET THE REQUIREMENTS OF MANE OPPARTMENT OF TRANSPORTATION SPECIFICATIONS 609.03 AND 609.04 AND CITY OF PORTLAND TECHNICAL STANDARDS.

17. ALL DIMENSIONING UNLESS OTHERWISE NOTED IS TO THE FACE OF CURB OR FACE OF BUILDING.

19. THE FACILITY IS SERVICED BY PUBLIC WATER AND OVERHEAD UTILITIES. IT IS OUR UNDERSTANDING THAT ACCORDING TO THE PORTLAND PUBLIC WORKS DEPARTMENT PUBLIC SEWER SERVICE IS NOW AVAILABLE ON RIVERSIDE STREET.

20. THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE CITY OF PORTLAND PUBLIC WORKS INSPECTION SERVICES DIVISION (874—8300 EXT. 8838), CODE ENFORCEMENT OFFICE AND DEVELOPMENT REVIEW COORDINATOR IN WITHING THREE (3) DAYS PROR TO THE BEGINNING OF CONSTRUCTION. SHOULD THE MPROVEMENTS BE OF SIGNIFICANT CONCERN OR IN A SENSITIVE AREA, A PRECONSTRUCTION MEETING MAY BE REQUIRED AT THE DISCRETION OF THE PUBLIC WORKS AUTHORITY OR DEVELOPMENT REVIEW COORDINATOR.

. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE. THE DEVELOPER, OR AN AUTHORIZED AGENT, MUST BE AVAILABLE AT ALL TIMES DURING

22. WARNING SIGNS, MARKERS, BARRICADES OR FLAGMEN MUST BE EMPLOYED ON ADJACENT STREETS AS NECESSARY

23. CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED AND DISPOSED OF IN ACCORDANCE WITH THE CITY OF PORTLAND'S SOLID WASTE ORDINANCE CHAPTER 12.

24. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE DEVELOPER/CONTRACTOR AT THEIR EXPENSE.

25. PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE PROPERLY PROTECTED AT ALL TIMES DURING CONSTRUCTION TO INSURE INTEGRITY. IF DISTURBED THEY SHALL BE REPLACED BY A SURVEYOR REGISTERED IN THE STATE OF MAINE AT THE CONTRACTOR/DEVELOPER'S EXPENSE.

26. ALL SANTARY SERVICES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF PORTLAND PUBLIC WORKS DEPARTMENT.

27. A STREET OPENING PERMIT MUST BE OBTAINED FROM THE CITY OF PORTLAND PUBLIC WORKS DEPARTMENT PRIOR TO BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.

28. RETAINING WALLS WITHIN LOADING DOCK AREAS SHALL BE CAST—IN—PLACE OR PRECAST MODULAR BLOCK SUBJECT TO GEOTECHNICAL REVIEW AND DESIGN BY THE CONTRACTOR OR PRECAST MODULAR BLOCK SUPPLIER.

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į	8	08.08.07	RESUBMISSION TO PLANNING AUTHORITY	1116
į	7	06.19.07	RESUBMISSION TO PLANNING AUTHORITY	⊣ ∦ ⁄
DOMESTICAL	6	03.30.07	RESUBBISSION TO PLANNING AUTHORITY DUE TO PERMIT EXPIRATION	William A
treeze.	5	01.26.06	RESUBMISSION TO PLANNING AUTHORITY	┪┋╻
	4	12.06.05	RESUBMISSION TO PLANMING AUTHORITY	- 1 E 31
	3	06.05.05	AMENDED SITE PLAN REVIEW SUBMISSION - LOT 4 ONLY	
	2	10.04.04	RESUBLITTED TO PLANNING AUTHORITY	740
Ė	1	04.16.04	SITE PLAN REVIEW SUBMISSION	

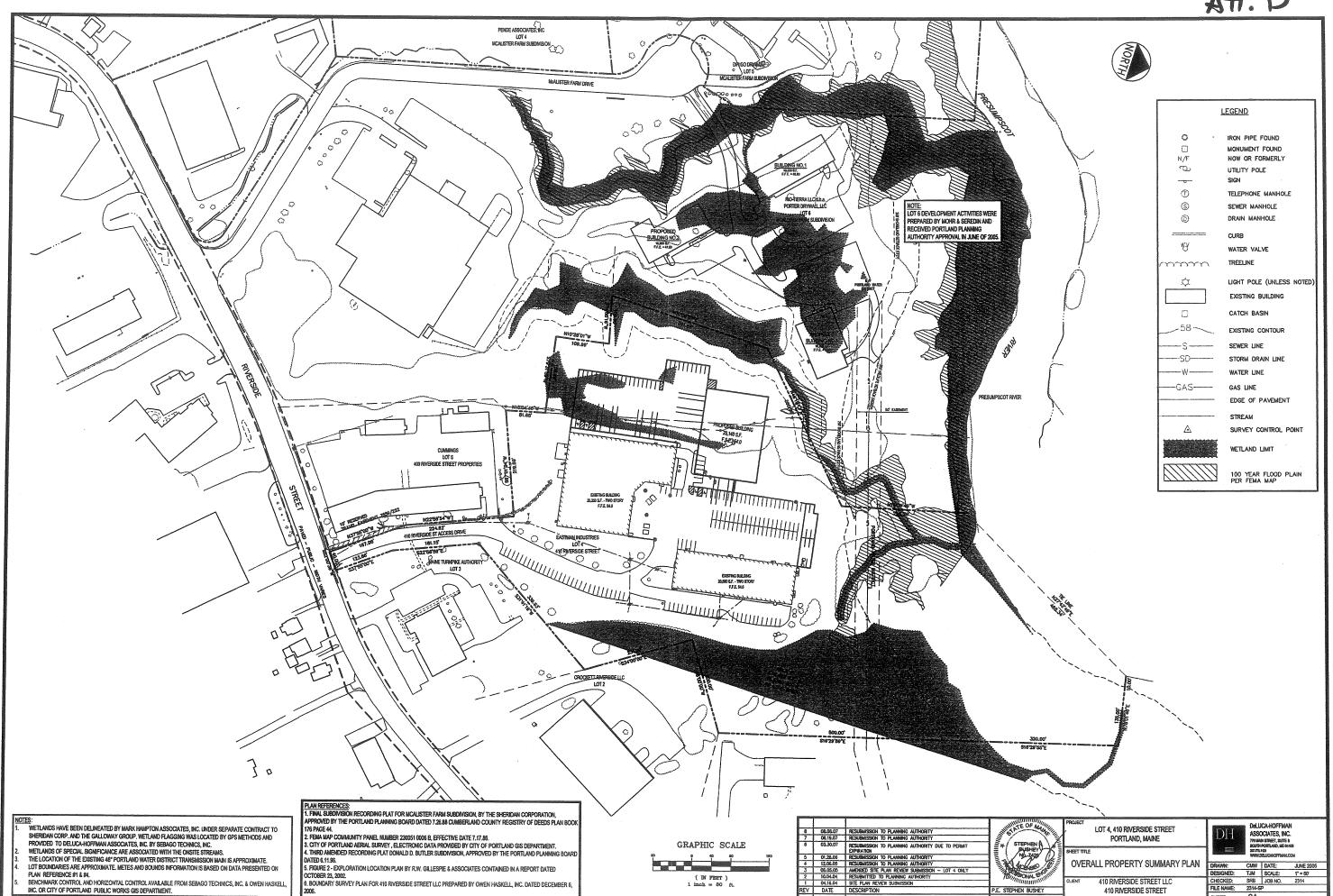
LOT 4, 410 RIVERSIDE STREET PORTLAND, MAINE

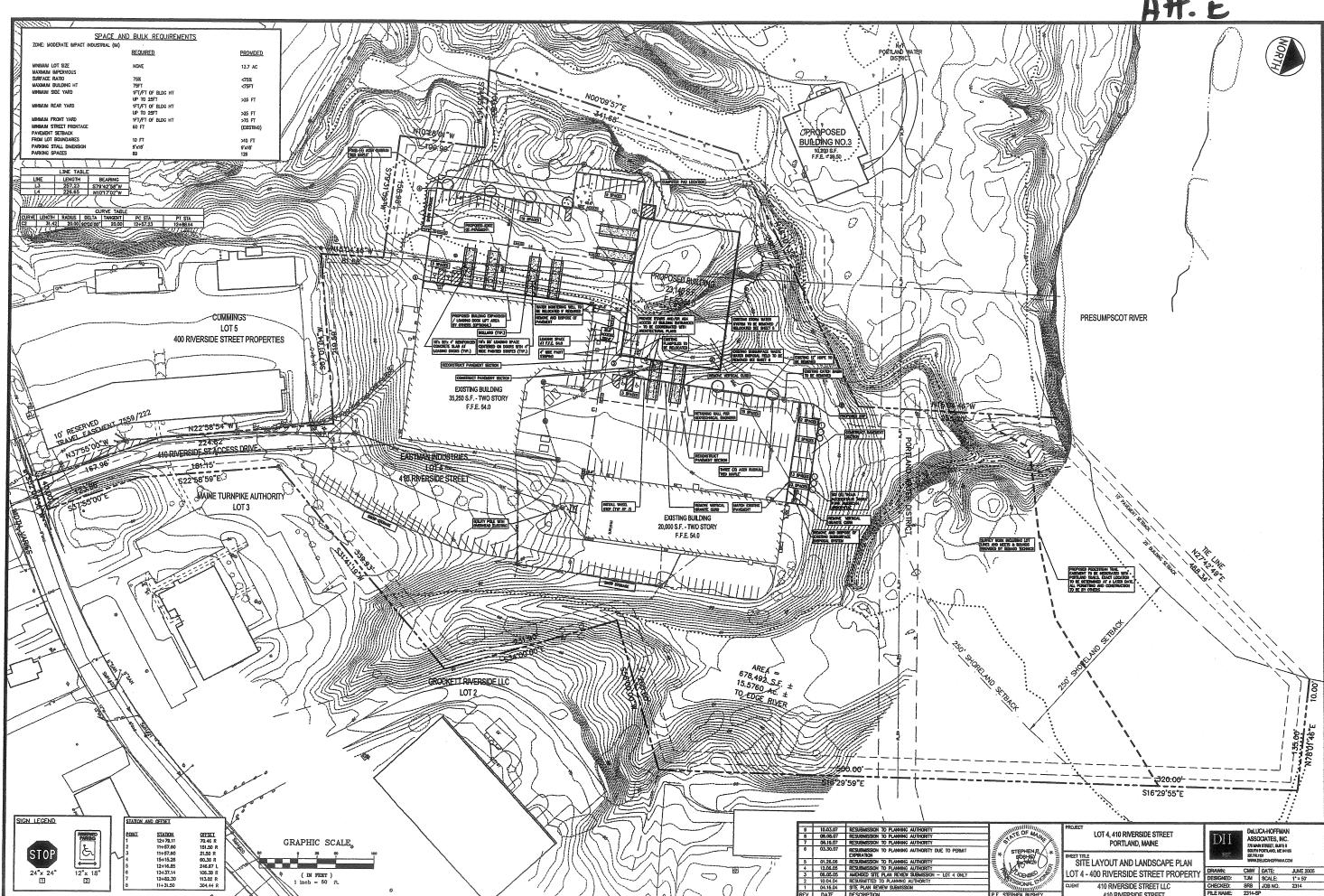
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COVER SHEET, GENERAL

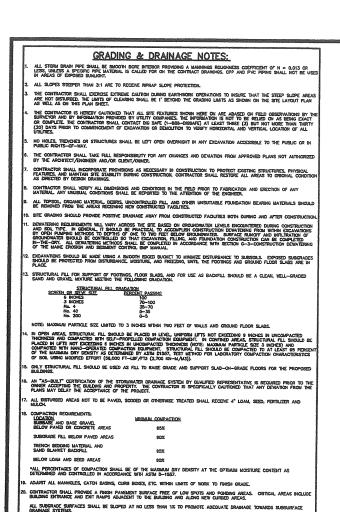
NOTES & LEGEND 410 RIVERSIDE STREET LLC Del LICALHOFEMAN ASSOCIATES, INC.

CMW DATE: JUNE 2005 SRB JOB NO. 2314





410 RIVERSIDE STREET LLC



EROSION CONTROL NOTES:

PROVIDE STABILIZATION OR SEPARATION GEOTEXTILE FABRIC OVER UNSTABLE SOILS AS DIRECTED BY THE OWNER'S REPRES OR GEOTECHNICAL CONSULTANT.

PRIOR TO BECONNING ANY CLEARING/LAND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL INSTALL THE PERIMETER SILT FER AND THE STABILIZED CONSTRUCTION ENTRANCES.

SILT BARRIERS SHALL BE INSPECTED, REPAIRED AND CLEANED IN ACCORDANCE WITH THE MADEP EROSION CONTROL IMP MA

THE CONTRACTOR SHALL REPAIR AND ADD STONE TO THE CONSTRUCTION ENTRANCES AS THEY BECOME SATURATED WITH MUD T ENSURE THAT THEY WORK AS PLANNED DURING CONSTRUCTION AND SHALL KEEP RIVERSIDE STREET AND MIGALISTER FARM DRIVE CLEAR OF DRIT AND MUD.

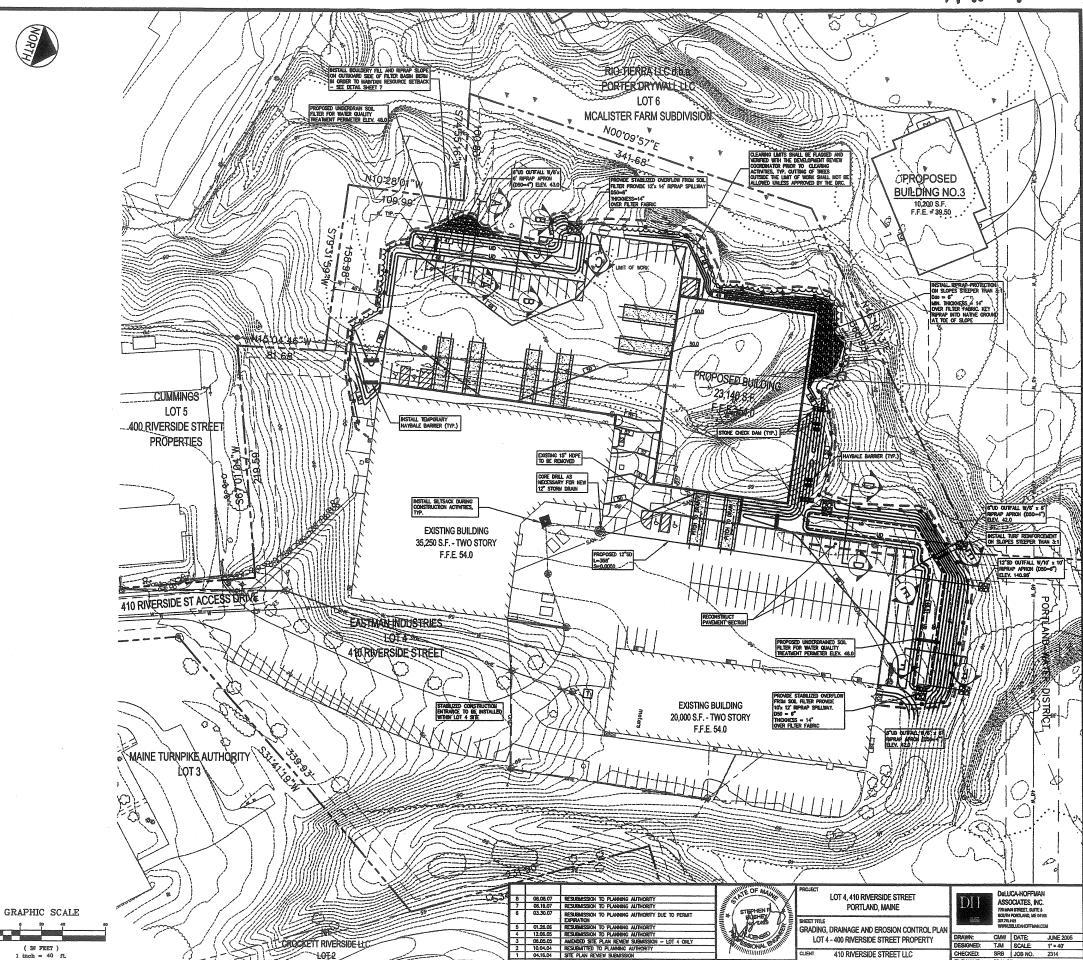
BLT REMOVED FROM AROUND INLETS AND BEHIND THE SILT FENCES SHALL BE PLACED ON A TOPSOL STOCKPILE AND MIXED INT IT FOR LATER USE IN LANDSCAPING OPERATIONS.

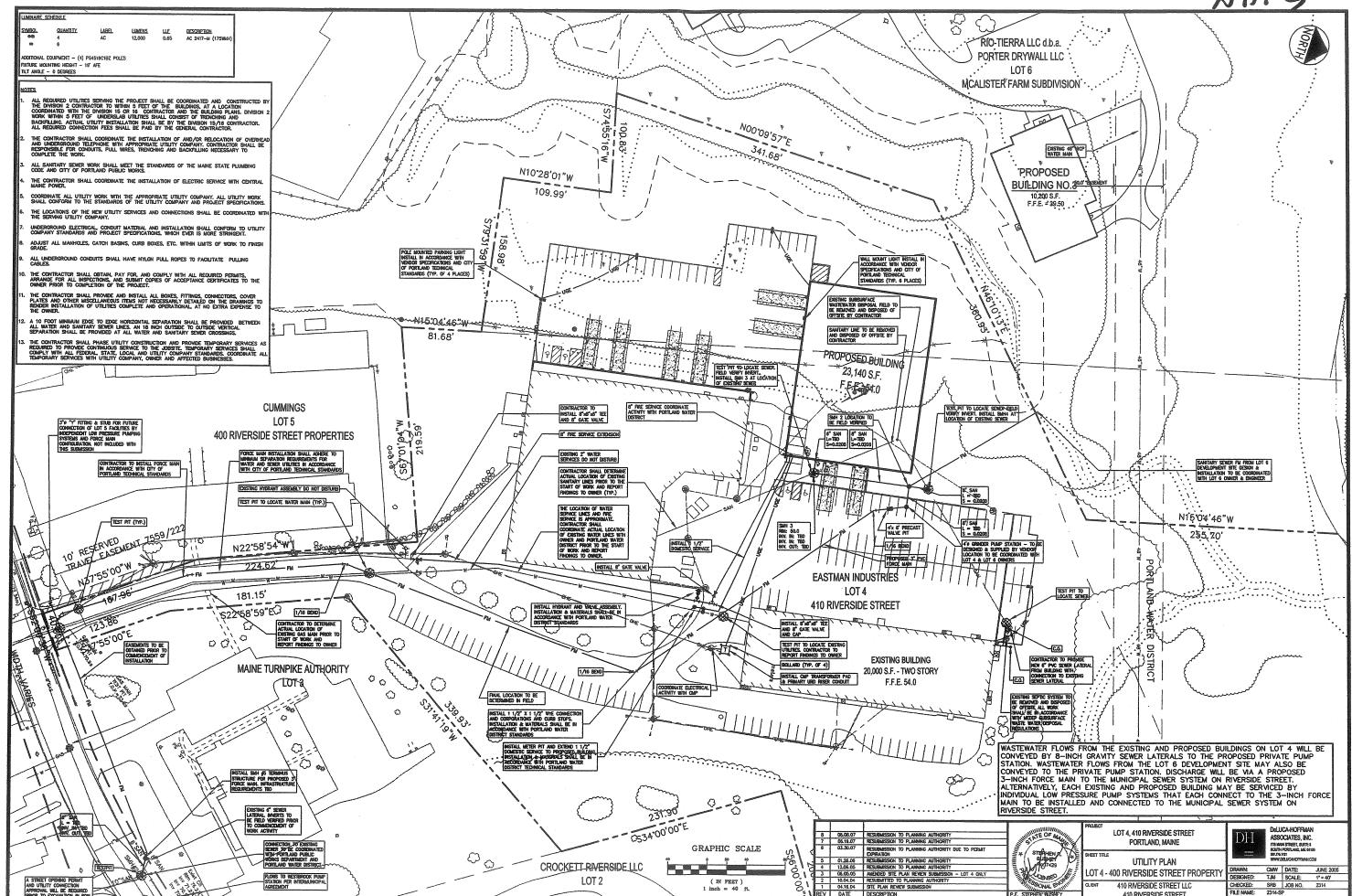
CONTRACTORS SHALL NOTIFY OPPORTORS WHO MARTIAN UNDERGROUND UTILITIES IN THE AREA OF PROPOSE BLASTING AT LEAST THREE (3) BUT NOT MORE THAN (30) DAYS PRIOR TO COMBINICIONAL OF EXCAVATION CONTRACTORS SHALL SE RESPONSIBLE FOR COMPULACE WITH THE REQUIREMENTS OF 23 MERS ASSOCIATION CONTRACTORS SHALL SE RESPONSIBLE FOR COMPULACE WITH THE REQUIREMENTS OF 23 MERS ASSOCIATION OF THE AREA OF THE

FILL AREAS UNDER PAVENDIT SHALL BE GRANULAR BORRORI. ALL OTHER FILL AREAS SHALL BE A COLMON BORR
SATABLE FOR EMBANGHOTI CONSTRUCTION, FIREE FROM PROZED HATTERIAL, PERSHABLE RUBBLE, PEAT, ORGANIC
THAN 12" BY DIMERTER, VECETATION AND OTHER MEDITAL INSURTIALES FOR ROADWAY AND SURGRADE CONSTRUCTION
OF-STE MATERIALS MAY BE USED FOR FILL PROVIDED THE MATERIAL IS FOR FICK.
MOST AND IRVAN PAPONAL OT THE DEMORENCE MANUAL REGISTOR WAS COMMON BORROWS WITH, COMPAY WITH

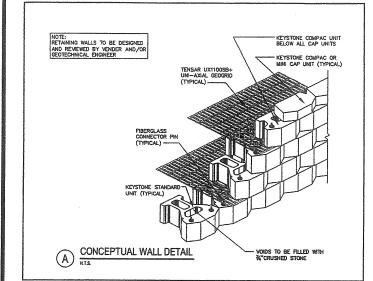
14. ALL EARTHWORK ACTIVITY AND FOUNDATION PREPARATION SHALL BE COMPLETED IN ACCORDANCE WITH THE GEOTI RECOMMENDATIONS SET FORTH BY R.W. GILLESPE AND ASSOCIATES.

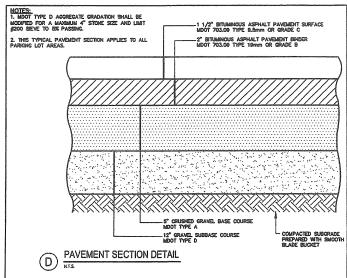
(IN FEET) 1 inch = 40 ft.

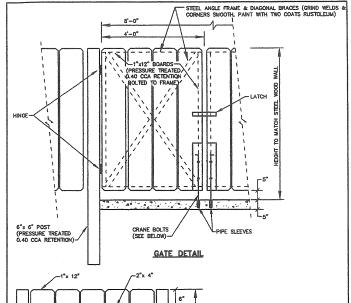




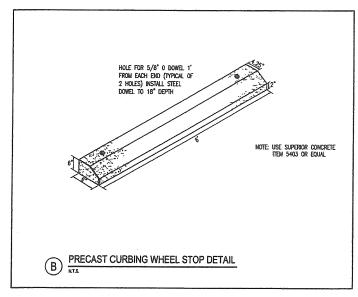
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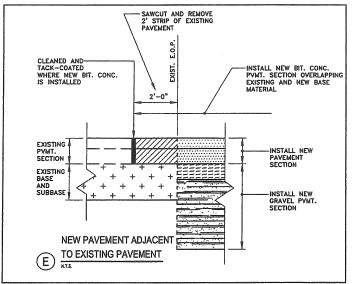


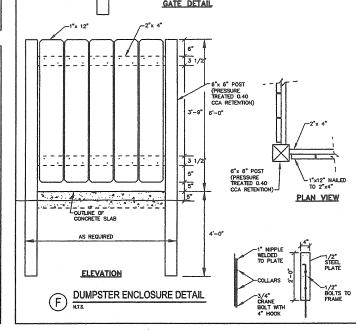


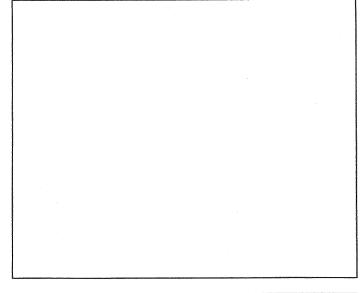


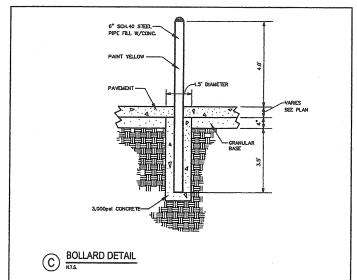


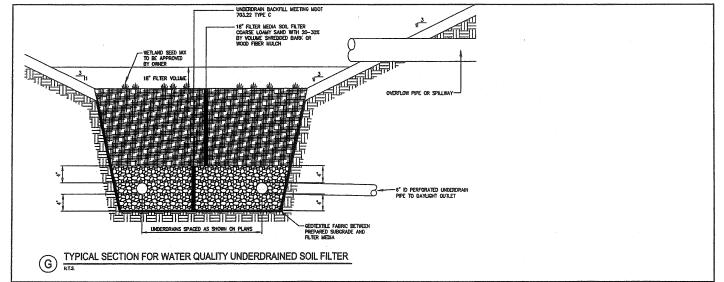






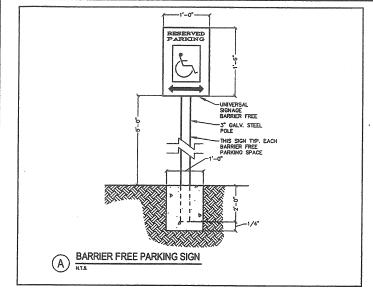


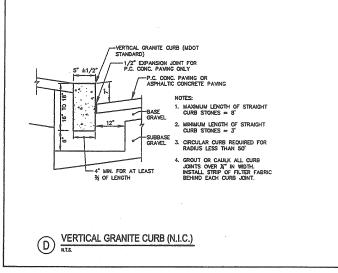


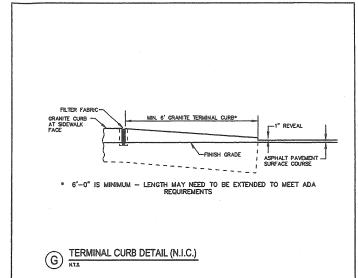


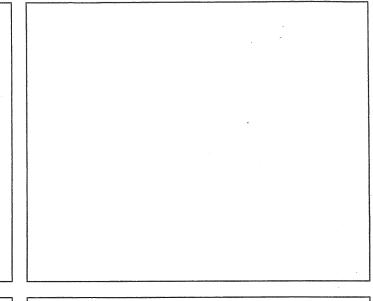
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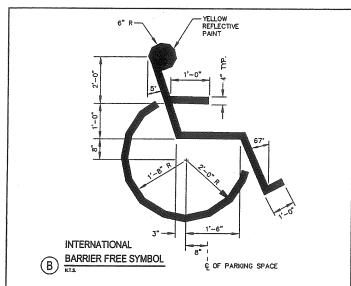
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8	08.08.07	RESUBMISSION TO PLANNING AUTHORITY	TATE OF MANAGEMENT	PROJECT LOT 4, 410 RIVERSIDE STREET	DH		CA-HOFFMAN CIATES, INC.	
7	06.19.07	RESUBMISSION TO PLANNING AUTHORITY RESURMISSION TO PLANNING AUTHORITY DUE TO PERMIT	STEPHEN R.	PORTLAND, MAINE		SOUTHP	STREET, SUITE 8 ORTLAND, ME 0410	. 1
			* STEPHEN R. BUSHEY.	SHEET TITLE		20 JFC 102 SOLWWW	en Elucamoffinalico	
5	01.26.06	RESUBMISSION TO PLANNING AUTHORITY	1 N 10 110 15:51	I OTT DETAILO L				
4	12.06.05	RESUBMISSION TO PLANNING AUTHORITY	5 M/7/2 00 /5 5	SITE DETAILS	DRAWN: 1	CMM	DATE:	JUNE 2005
3	05.05.05	AMENDED SITE PLAN REVIEW SUBMISSION — LOT 4 ONLY		l : To	DESIGNED:	TJM	SCALE:	1"=40"
2	10.04.04	RESUBMITTED TO PLANNING AUTHORITY	STITUS ONAL BUILD				JOB NO.	2314
1	04.16.04	SITE PLAN REVIEW SUBMISSION	www.	g 410 INVENDED OTTLE I LLO				<u>سانم</u>
REV	DATE	DESCRIPTION	P.E. STEPHEN BUSHEY	410 RIVERSIDE STREET	TLE NAME:	2314-DE	T-SITE	

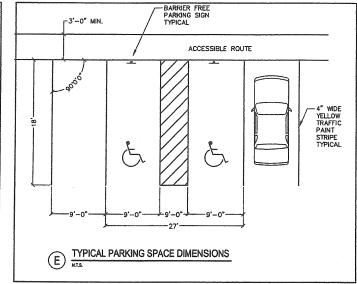


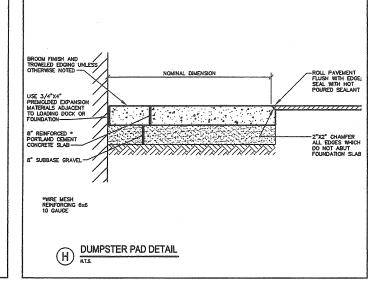


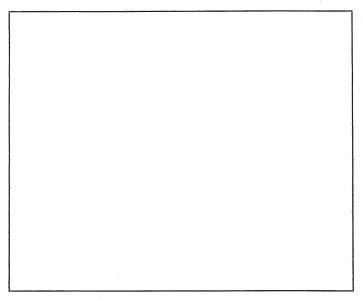




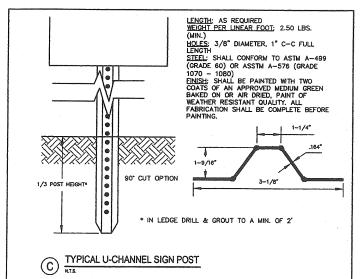


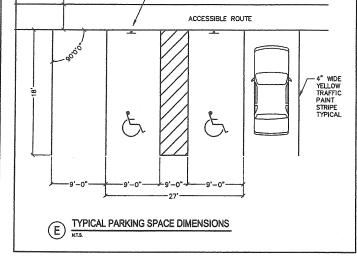






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TJM SCALE: 1°=40'
SRB JOB NO. 2314





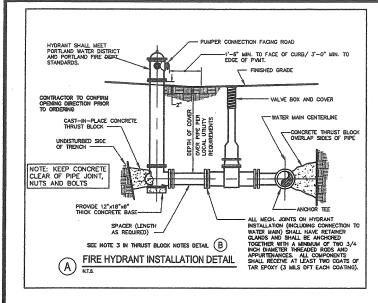
E:	CONDUIT MINIMUM		

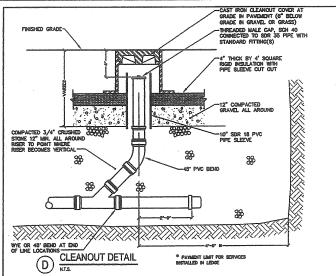
CAE	BLE	CABLE	NUMBER OF CONDUCTORS				
TY	PE	SIZE	1	2	3	4	
	URD	#2 STRANDED	2°	3"	4"	5"	
1	ORD	4/0 XLP	2"	4°	4°	5"	
15KV	POWER	500 KCM XLP	3°	5"	5"	6"	
		750 KCM XLP	3°	5*	6*	6"	
	URD	1/0 XLP	2 1/2"	4"	5"	5"	
35KV		4/0 XLP	3*	5"	6°	6"	
John	POWER	500 KCM XLP	3°	5°	7"	7°	
		750 KCM XLP	3"	6°	6"	プ	

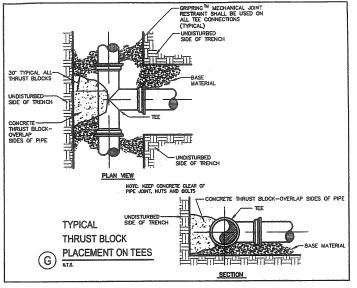
F 3 PHASE RISER - GENERAL INFORMATION

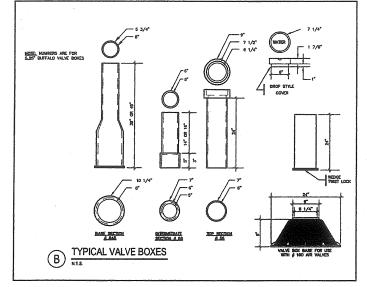
- CUTOUTS FOR TAP LINES SHALL BE PLACED ON THE MAIN LINE JUNCTION POLE OR ON THE POLE ONE SECTION IN, WHICHEVER IS BETTER FOR THAT PARTICULAR INSTALLATION.
- 6. RISER CONDUIT SHALL BE BONDED TO THE NEUTRAL SEE PRIMARY URD RISER CONDUIT DETAIL.
- WHEN USING A NON-PORCELAIN TERMINATOR AND A CABLE POSITIONING BRACKET LEAVE 2 TO 3 INCHES OF CABLE BETWEEN THE TOP OF THE BRACKET AND THE BOTTOM OF THE TERMINATOR.
- 8. TWIST CONCENTRIC NEUTRAL WIRES INTO A BUNDLE AND CONNECT TO THE SYSTEM NEUTRAL WIRE.
- 9. CONNECT THE ARRESTER TO THE SYSTEM NEUTRAL WIRE WITH AS SHORT A LEAD AS PRACTICAL.
- 10. USE THE PROPER CABLE TERMINATOR FOR RATED VOLTAGE AND SIZE OF CABLE.

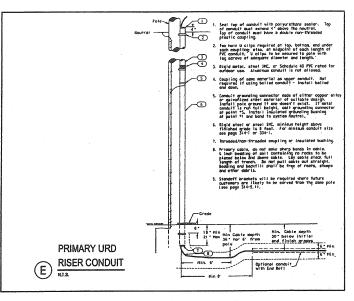
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9	10.03.07	RESUBMISSION TO PLANNING AUTHORITY	MINIMUM CO. T. CO.	PROJECT	LOT 4 440 DE PRODUCT OFFICE
8	08.08.07	RESUBMISSION TO PLAINING AUTHORITY	ATEURAL		LOT 4, 410 RIVERSIDE STREET
7	06.19.07	RESUBMISSION TO PLANNING AUTHORITY	116	h	PORTLAND, MAINE
5	03.30.07	RESUBMISSION TO PLANNING AUTHORITY DUE TO PERMIT EXPIRATION	STEPHEN R	SHEET TITLE	
5	01.26.08	RESUBMISSION TO PLANNING AUTHORITY	= 11 mand (~)	Į.	
4	12.06.05	RESUBMISSION TO PLANNING AUTHORITY	END WE	ğ	SITE DETAILS
3	06.05.05	amended site plan review submission — Lot 4 only	\$70K409480/28		
2	10.04.04	RESUBMITTED TO PLANNING AUTHORITY	SSONAL ET ILL		440 DN/CDOIDC OTDCCT II O
1	04.16.04	SITE PLAN REVIEW SUBMISSION	The manufacture of the same of	CLIBIL	410 RIVERSIDE STREET LLC
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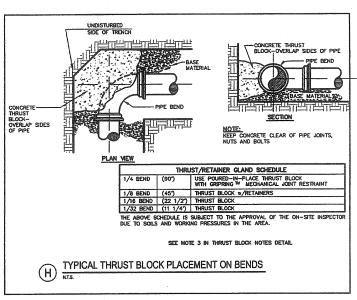


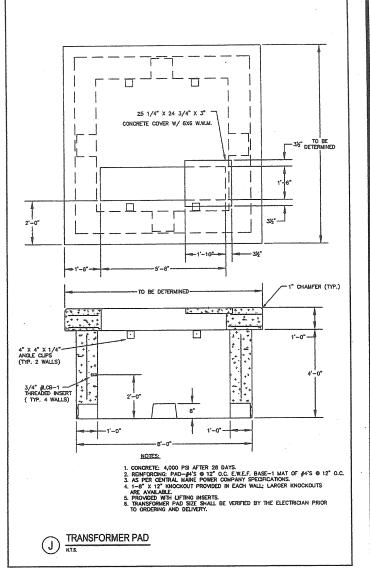


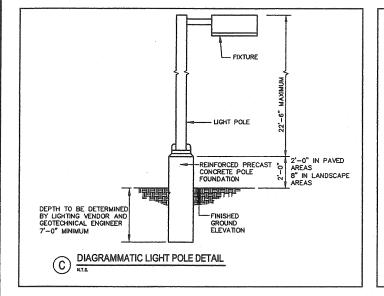


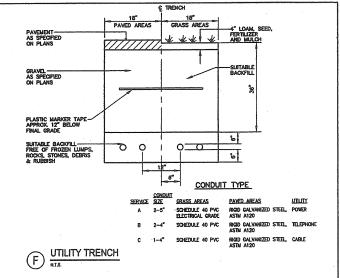


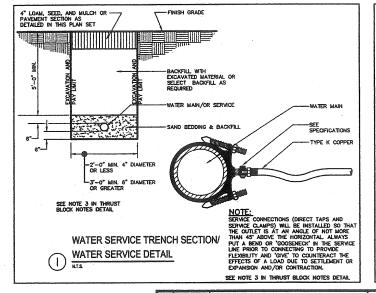


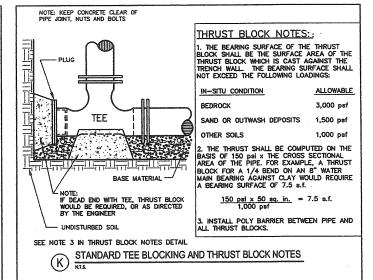


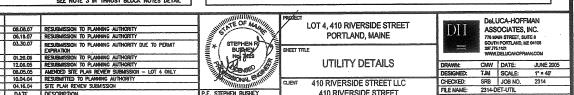


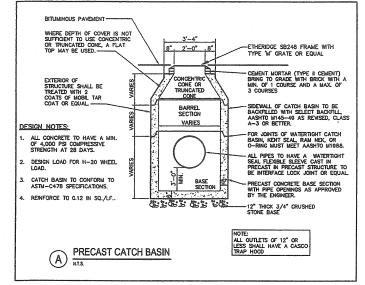












1. BRICK CHANNEL TO BE AASHTO M-91-42 GRADE SA SEWER BRICK.

2. MANHOLE TEST TO BE ACCOMPLISHED AFTER CHANNEL INSTALLATION IS COMPLETE.

3. WHERE THE ALIGNMENT CHANGES OR SIDE FLOW ENTERS THE MANHOLE, CONSTRUCT CHANNEL WITH A SMOOTH RADIAL CHANNEL TO ACCOMPLISH ALL JUNCTIONAL CHANGE OF ALIGNMENT WITHIN MANHOLE.

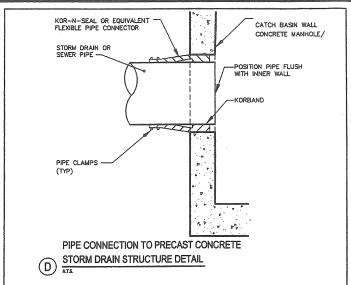
MANHOLE CHANNEL INSTALLATION DETAIL

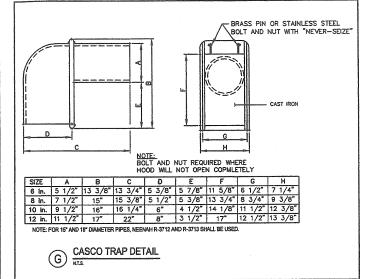
-BRICK MASONRY CHANNEL, CARRY VERTICAL FROM SPRING LINE TO CROWN

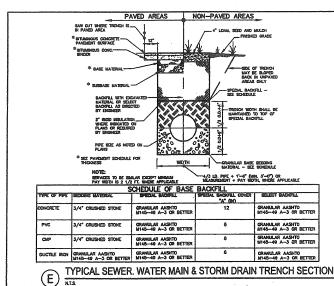
CONCRETE OR MASONRY FILL

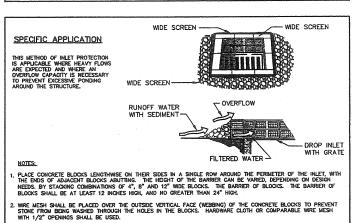
-12" THICK 3/4" CRUSHED STONE BASE

-SLOPED WASH SHELF (1/4" PER FT)





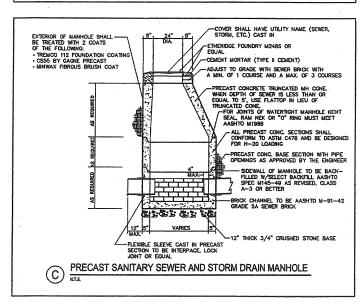


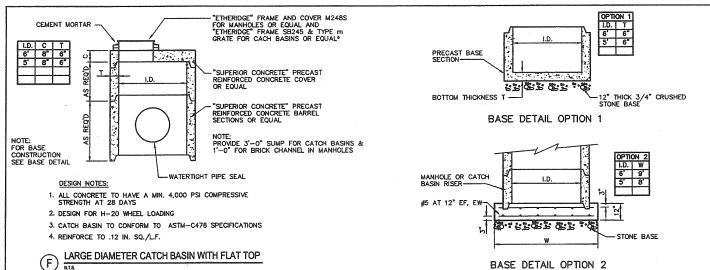


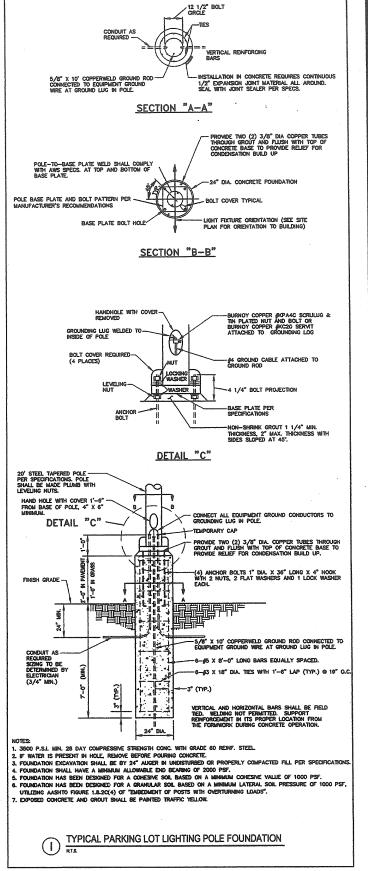
STONE SHALL BE PILED AGAINST THE WIRE TO THE TOP OF THE BLOCK BARRIER, AS SHOWN IN DETAIL THE STONE FILTER SHALL BE $3/4^\circ$ CRUSHED STONE.

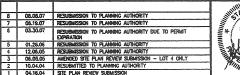
IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT, SO THAT IT NO LONGER ADEQUATELY PERMIFORMS ITS FUNCTION, THE STONE MUST BE PULLED AWAY FROM THE BLOCKS, CLEANED AND REPLACED.

STONE SEDIMENT BARRIER









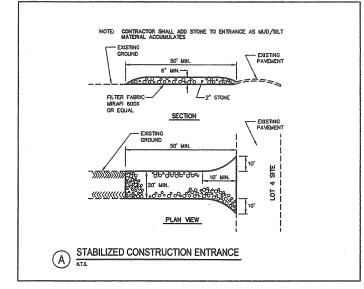
LOT 4, 410 RIVERSIDE STREET PORTLAND, MAINE

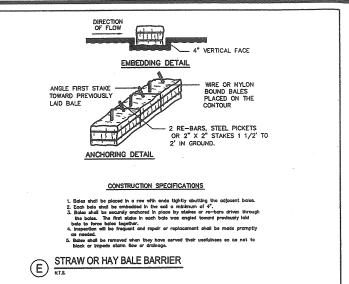
ASSOCIATES, INC. 778 MAIN STREET, SUITE 8
SOUTH PORTLAND, ME 04106
287.775.1121
WWW.DELUCHOFPMAN.COM

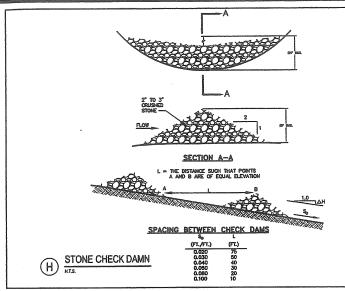
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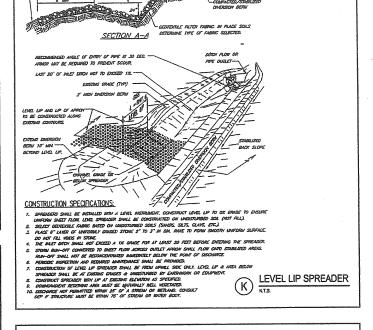
 DESIGNED:
 TJM
 SCALE:
 1° = 40°

 CHECKED:
 SRB
 JOB NO.
 2314
 JUNE 2005 1° = 40'

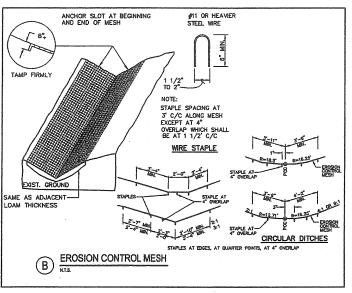


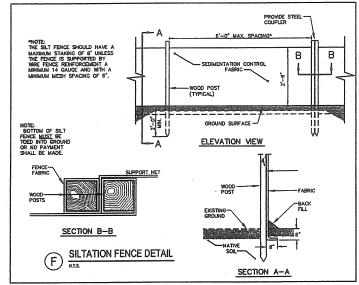


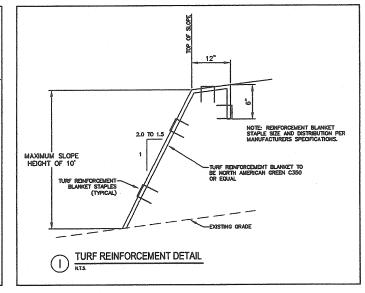


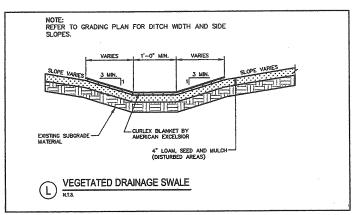


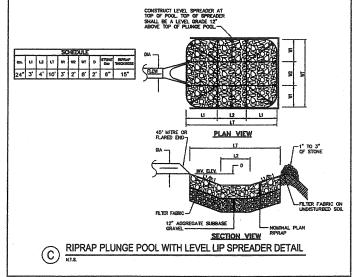
- DO NOT DAMAGE OR DISTURB EXIST. WEGETATION BELOW UP. LENES. UP TO BE CUT ALONG EXIST. CONTOUR. NO MACHINERY BELOW UP.

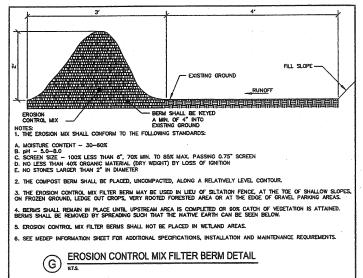


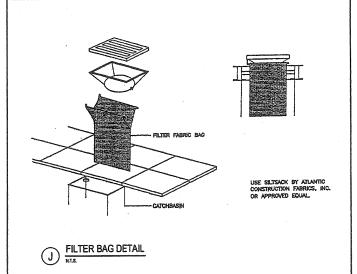


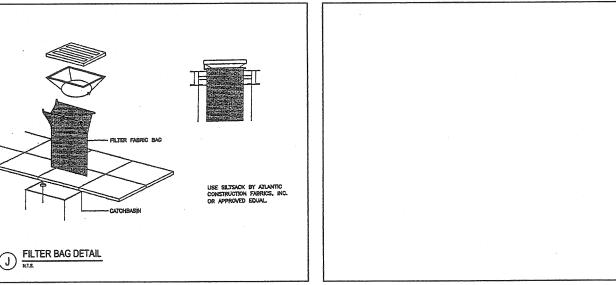












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- 9	8	08.08.07	RESUBMISSION TO PLANNING AUTHORITY	116
8	7	06.19.07	RESUBHISSION TO PLANNING AUTHORITY	STEPHEN R
-	8	03.30.07	RESUBMISSION TO PLANNING AUTHORITY DUE TO PERMIT EXPIRATION	* Blog-light
-	5	01.25.06	RESUBMISSION TO PLANNING AUTHORITY	E 1 19 /8:
9	4	12.08.05	RESUBMISSION TO PLANNING AUTHORITY	E PHY COME / SE
-	3	06.05.05	AMENDED SITE PLAN REVIEW SUBMISSION - LOT 4 ONLY	
- 1	2	10.04.04	RESUBMITTED TO PLANNING AUTHORITY	Jan Constitution
- 1	1	04.16.04	SITE PLAN REVIEW SUBMISSION	

EROSION CONTROL DETAILS

LOT 4, 410 RIVERSIDE STREET PORTLAND, MAINE

410 RIVERSIDE STREET LLC

DeLUCA-HOFFMAN ASSOCIATES, INC.

778 MAIN STREET, SUITE 8

SOUTH PORTLAND, ME 04106

207.778.1231

The primary emphasis of the erosion/sedimentation control pion to be implemented for this project are as follows:

Development of a careful construction sequence. Rapid revegetation of denuded areas to minimize the period of soil exposure. Rapid stabilization of drainage paths to avoid fill and gully erosion. The use of onsite measures to capture sediment (hay bales/silt fence, etc.) The provisions for long term erosion/sediment and pollutant treatment by the incorporation of permanent Best Management Practices.

Description and Location of Limits of All Proposed Earth Movements.

The construction of the development will require the following on—site improvements. Earthwork activity including cuts and fills to bring the paved and gravel areas to subgrade

Construction of stormwater measures.

Construction of parking lots, drive disles, walkways and installation of storm drains.

Construction of building foundations including such alternatives as piles, preload an

Existing Resident Control Devices

The following erosion and sediment control devices will be implemented by the Contractor as part of the site development. These devices shall be installed as indicated on the plans. For further reference, see the Maine Erosion and Sediment Control Handbook for Construction:

Best Management Practices.

Siltation fence shall be installed downstream of any disturbed areas to trap runoff borne sediments until the site is revegetated. The silt fence shall be installed per the details provided in the pian set and inspected immediately after each rainfall and at least daily during prolonged rainfall. Repairs shall be made immediately by the Contractor if there are any signs of erosion or sedimentation below the fence line. Proper placement of stakes and fabric into the ground is critical to the fence's effectiveness. If there are signs of undercutting at the center or the edges, or impounding of large volumes of water behind the fence, the barrier shall be replaced with a stone check dam. Straw or hay mulch including hydroseeding is intended to provide cover for denuded or seeded areas until revegetation is established. Mulch placed on slopes of less than 10 percent shall be anchored by applying water; mulch placed on slopes steeper than 10 percent shall be covered with a fabric netting and anchored with staples in accordance with the manufacturer's

pe ancnored by applying water; muich placed on slopes steeper than 10 percent shall be covered with a fabric netting and anchored with stoples in accordance with the manufacturer's recommendations. Slopes steeper than 3:1 which are to be revegetated shall receive Turf Reinforcement by North American Green or equal. Muich application rates are provided at the end of this section. Hay mulch shall be available on site at all times in order to provide immediate temporary stabilization when necessary. Riprop slopes, ditch linings, stone check dams, hay bale barriers and culvert outlet aprons are intended to reduce runoff velocities and protect denuded soil surfaces from concentrated flows. Installation details and stone sizes are provided in the construction plan set on the erosion control detail sheets.

flows. Installation details and stone sizes are provided in the construction plan set on the erosion control detail sheets. Construction entrance will be constructed at all access points onto the site to prevent tracking of soil onto Riverside Street.

Storm drain catch basin inlet protection shall be provided through the use of stone sediment barriers or a premountpactured SIIIScack™ as distributed by A. H. Harris. Stone sediment barrier installation details are provided in the plan set. The barriers shall be inspected after each rainfall and repoirs made as necessary. Sediment shall be removed and the barrier restored to its original dimensions when the sediment has accumulated to ½ the design depth of the barrier. The barrier shall be removed when the tributary drainage area has been stabilized.

Deem studinged. Loam and seed is intended to serve as the primary permanent revegetative measure for all denuded areas not provided with other erosion control measures, such as riprop. Application rotes are provided for temporary and permanent seeding in non-wetland areas.

 $\underline{\textbf{Temporary Eroelan/Sedimentation Control Measures}}. \\$ The following are planned as temporary erosion/sedimentation control measures during

ed stone stabilized construction entrance(s) shall be placed at the site access to at 400 Riverside Street Properties.

Siltation fence or an organic filter barrier shall be installed along the downgradient side of all disturbed areas. The siltation barrier will remain in place and properly maintained until the site is acceptably revegetated.

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

Temporary stockpdes shall not be located within 100 feet of the wetlands or 25' from the top of bank and shall be located away from drainage swales.

Stockpiles shall be stabilized within 7 days by either temporarily seeding the stockpile with a hydroseed method containing an emulsified mulch tackifier or by covering the stockpile with

All denuded areas that are within 100 feet of a wetland which have been rough graded and are not located within the building pad or pavement subbase area, shall receive mulch or erasion control mesh fabric within 7 days of initial disturbance of soil. In other areas, the time period may be extended to 14 days.

For work which is conducted between November 1 and April 15 of any calendar year, all denuded areas will be covered with hay mulch, applied at twice the normal application rate and anchored with a fabric netting. The time period for applying mulch shall be limited to 7 days for all areas or immediately in advance of a predicted rainfail event.

The access drive to Lot 4 400 Riverside Street Properties shall be swept to control mud and dust as necessary. A street sweeper shall be available on immediate notice.

During grubbing operations stone check dams or hay bale barriers will be installed at any evident concentrated flow discharge points.

Silt fencing with a maximum stake spacing of 6 feet should be used, unless the fence is salt renaing with a maximum stake spacing of a feet should be used, linless the rence is supported by wire fence reinforcement of minimum 14 gauge and with a maximum mesh spacing of 6 inches, in which case stakes may be spaced a maximum of 10 feet apart. The bottom of the fence should be properly anchored a minimum of 6" per the plan detail and backfilled. Any sill fence identified by the owner or reviewing agencies as not being properly installed during construction shall be immediately repaired in accordance with the installation.

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

All storm drain pipes shall have riprap aprons and plunge pools at their outlet to protect the outlets and receiving channels of the culverts from scour and deterioration. Installation details are provided in the plan set. The aprons and plunge pools shall be installed and stabilized prior to directing runoff to the tributary pipes or culverts.

The water quality units will discharge to riprop stabilized outlets

All areas disturbed during construction, but not subject to other restoration (paving, riprap, etc.) will be loamed, limed, fertilized, mulched, and seeded. Fabric netting, anchored with staples, shall be placed over the mulch in areas where the finish grade slope is greater than 10 percent. All areas within 100' of a wetland shall receive protection within 7 days. Native topsoil shall be stockpiled temporarily stabilized with seed and mulch and reused for final restoration when it is of sufficient quality.

Catch basins will be provided with 2' sediment sumps and Casco traps over the outlet

<u>Timing and Sequence of Eroelon/Sedimentation Control Measures</u>

The following construction sequence shall be required to insure the effectiveness of the erosion and sedimentation control measures are optimized. The sequence applies to all phases of construction.

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

Install crushed stone stabilized construction entrances as shown on plans.

Install perimeter silitation borriers as indicated on the plans.

Clear and grub areas necessary for the stormwater systems and building foundation areas. Clear and grub areas necessary for the stormwater systems and building foundation Begin excavation.

Excess materials shall be stockpiled and stabilized for use as fills for later grading

Excess materials shall be stockpiled and stabilized for use as fills for later graperations. Install slit barriers at toe of berms for erosion protection. Perform earthwork to bring powement areas and building pads to subgrade. Begin installation of drainage appurtenances and piping and utilities Commence additional earthwork in fill areas of the parking areas. Complete earthwork and grading to subgrade as necessary for parking areas. Complete earthwork and grading to subgrade as necessary for parking areas. Structures within the parking areas shall be temporarily set to subgrade and shall be reset upon placement of gravel and saphalt during a future phase. Complete all remaining earthwork operations including fine grading of slopes. Install subbase and bose gravels within paved and gravel areas. Install base course paying for parking areas.

landscoping. Install surface course poving for povement areas. Stripe per plans.

Remove accumulated sediment from chead 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.

Touch up loam and seed.

Note: All denuded areas not subject to final paving, riprap or gravel, shall be revegetated.

Due to the timing and size of the project, completion of the facilities within a summer construction season may not occur. For all work which will be conducted between November 1 and April 15 of the calendar year, the Contractor shall submit a schedule which will satisfy the following criteria:

following criteria:
Limit the amount of exposed area to those areas in which work is expected to be undertaken during the proceeding 15 days.
During the construction process, all disturbed areas shall be covered with mulch within 7 days

of final grading.
Once final grades have been established, the contractor may choose to dormant seed the disturbed areas prior to placement of mulch and placement of fabric netting anchored with

stappes.
If dormant seeding is used for the site, all disturbed areas shall receive 4" of loam and seed at an application rate of 5\$/1000 s.f.

All areas seeded during the winter months will be inspected in the spring for adequate catch. All areas in sufficiently vegetated (less than 75 percent catch) shall be revegetated by replacing loam, seed and mulch. If dormant seeding is not used for the site, all disturbed areas shall be revegetated in

the spring.

The area of denuded non-stabilized construction shall be limited to the minimum area practicoble. An area shall be considered to be denuded until the subbase grovel is Installed in parking areas, the base slab gravel is installed in building areas, or the areas of future loam and seed have been loamed, seeded, and mulched. The mulch rate shall be twice the rate specified. [For example, 115#/1,000 s.f. x 2 = 2.30#/1,000.s.f.) Within the exposed work area, temporary sedimentation sumps shall be provided at the interface between parking areas and graded slopes. This shall be accomplished by creating on area 18" below adjacent temporary grades. The sedimentation area shall have a bottom width of 3" and 3:1 side slopes. Culverts to allow access shall be installed by the Contractor. Along the sedimentation sumps, barriers shall be provided at sufficient intervals to permit runoff to be accumulated to a minimum depth of 12" before overflowing. The schedule shall be subject to the approval of the Owner.

The Contractor must install any added measures which may be necessary to control erosion/sedimentation from the site dependent upon the actual site and weather co

The Contractor shall note that no area within 100 feet of a wetland shall remain denuded for a period of over 7 days before it is temporarily stabilized. Temporary stabilization shall be the installation of gravel or mulching. All other areas shall be stabilized within 14 days. For construction between November 1 and April 15 of any calendar year, all areas shall be temporarily stabilized within 7 days or prior to a forecasted rainfall event.

PERMANENT SEEDING PLAN NON-WETLAND AREAS
Project 410 Riverside Street

Frager 410 Niversiae Steets:
Site Location Portland, Maine
Permanent Seeding X Temporary Seeding
1. Area to be seaded: 4 acre, OR 20M Sq. Ft.
2. Instructions on preparation of soil: Prepare a good seed bed for planting method wed.

3.Apply lime as follows: #/acres, OR 138#/M Sq. Ft.

4.Fertilize with pounds of N-P-K/ac. OR

18.4 pounds of 10 - 20 - 20 N-P-K/M Sq. Ft.

5.Method of applying lime and fertilizer: Spread and work into the soil before seeding.

6.Seed with the following mixture:

6. Seed with the following mixture:
45% Kentucky Bluegrass
45% Cresping Red Fescue
10% Perennial Ryegrass
When using small grain as nurse crop seed it at one-half the normal seeding rate.
7. Mulching instructions: Apply at the rate of tons per acre. OR
115 pounds per M. Sq. Ft.
Amount Unit #, Tons, Etc.
8. TOTAL LIME
138 #/1000 sq. ft.
9. TOTAL FERTILIZER
18.4 #/1000 sq. ft.
10. TOTAL SEED 1.03 #/1000 sq. ft.
11. TOTAL MULCH 115 #/1000 sq. ft.
12. TOTAL ather materials, seeds, etc.
13. REMARKS
Spring seeding is recommended, however, late summer (prior to September 1) seeding can be made. Permanent seeding should be made prior to August 5 or as a dormant seeding after the first killing frost and before the first snowfall. If seeding cannot be done within these seeding dates, temporary seeding and mulching shall be used to protect the site. Permanent seeding and until the next recommended seeding period.

Fertilizer requirements shall be subject to actual test results of the topsoil used for the project. The Contractor shall be responsible for providing topsoil test results for ply and recommended fertilizer application rates to the owner.

TEMPORARY SEEDING PLAN NON-WETLAND AREAS
Project Lot 4 410 Riverside Street Project Lot 4 410 kiverside Street
Site Location Portland, Maine
Permanent Seeding X Temporary Seeding
1.Area to be seeded: <1 acre, OR 20M Sq. Ft.
2.Instructions on preparation of soil: Prepare a good seed bed for planting method

used.

3.Apply lime as follows: #/acres, OR 138#/M Sq. Ft.

4.Fertilize with pounds of N-P-K/ac. OR

18.4 pounds of 10 - 20 - 20 N-P-K/M Sq. Ft.

5.Method of applying lime and fertilizer: Spread and work into the soil before seeding.

6.Seed with the following mixture: 50% Perennial Ryegrass

When using small grain as nurse crop seed it at one-half the normal seeding rate.
7.Mulching instructions: Apply at the rate of tons per acre. OR

230 pounds per M. Sq. Ft. Ft.
AmountUnit #, Tons, Etc.
138#/1000 sq. ft.
18.4#/1000 sq. ft.
1.75#/1000 sq. ft.
230#/1000 sq. ft. 8.TOTAL LIME. 9 TOTAL FERTILIZER 10 TOTAL SEED 1.TOTAL MULCH 12 TOTAL other materials, seeds, etc.

NCMANNAS

scommended seeding dates after August 15.

or areas with slopes >10%, waterways, areas within 100 feet of wetlands, and and winter erosion control areas, mulch netting shall be used per nufacturer's specifications.

Fertilizer requirements shall be subject to actual test results of the topsoil used for the project. The Contractor shall be responsible for providing topsoil test results for ply and recommended fertilizer application rates to the owner

SPECIFICATIONS
Enseins control mix can be manufacturated on or off the project site. It consists primarily of arganic material, separated at the point of generation, and may include: shreaded bark, sturing gritidings, composited bark, or Sume grit and fregmented wood generated from noter—funne log handling systems. Wood chips, ground construction debris, reprocessed wood products or bark chips are not occeptable as the organic component of the

mis.

Exercise control mix is composed of a setti-graded mixture of particle sizes and may contain rocks less than 4" in dismeter. Exercise control mix has free of refuse, physical contaminants, and material trade to plant growth.

COMPOSITION OUP-COSTION

The offence of the first of the

NESTALLATION

* When seed as mulch, the length and steepness of the alope determines the appropriate blidiness of the erosion control mix. Erosion control mix is not commended for 2.1 steeps or greater. For other stopes, the following minimums apply:

On stopps of 2.1 or less: 2 Inches plus on odditional 1/2 Inches plus on the control 1/2

A-vision cuton beare an occessor common system.

An Arvision cuton beare an occessor cutom system.

An Arvision cutom should be inspected regulately and offer each large reinfall. Any required repoints should be inspected, regulately and occessor cutom make make a face of repoints.

An Arvision cutom should be inspected in face the cutom should be preceded in the occur in the should be preceded in the occur in the should be preceded in the occur in the should beare year.

If the multi-be removed, if should be spread out into the leaderops.

Eropion Control Mix for Barriers

SPECIFICATIONS

Froden control mix can be menufactured on or off the project site. It consists primarily of arganic motorial, separated at the point of generation and may include shredded bank, atump orthology, composited bank, or financ grit and fragmental smootly generated stron solar—finance log landing and may include shredded bank, atump orthology, composited bank, or financ grit and fragmental smootly generated stron solar-finance log landing systems. Wood chips, ground construction debria, reprocessed vecoof products or bent chips are not acceptable as the arganic component of the systems. Wood chips, ground construction debria, reprocessed vecoof products or bent chips are not acceptable as the arganic component of the

systems. Wood othps, ground construction debris, reprocessed wood products or best chips are not occeptable as the organic component of the mis.

Erodein control mix contains a well-ground misture of particle sizes and may contain recks less than 4" in diameter. Erodein control mix must be free of refuse, physical contaminants, and material tests to plant growth.

CDM**CONTROL**

TO COM**CONTROL**

The contain material control is between 80 and 100%, dry weight basis.

The organic matter contain is between 80 and 100%, dry weight basis.

Perturbe size by weight is 100 % possing a 5" screen and a minimum of 70 %, maximum of 85%, passing a 0.75" screen.

The organic portion seeds to be fibrous and delargeted.

Large pertures of size, days or this sends are not occeptable in the mix.

Subtles obtained containt is less then 4.0 minor) and containts.

The pri shaced fall between 5.0 and 8.0.

SIZEMALATION OF SIZEMACH SIMPLEST by bottom of steener stones (C2:1) too to 20 feet long, the borrier should be a minimum of 12" high, as

RESTALLABON OF SEMBANT BARRIERS

On adopse lises then 5 % or of the bottom of steeper slopes (<2:1) sp to 20 feet long, the borrier should be a minimum of 12° high, or measured on the upbill side of the borrier, and a minimum of two feet wide. On langue or steeper slopes, the borrier should be wider to compare the control of the contr

i and bridges that would enable fines to wath under the borner brough the gross source or pront stamm.

Cood locations for stand-dence use without relativement by other Bild's are:

At too of shallow slopes;

On straves ground, outcraps of bedrock and very rooted forested areas; and

At the sloge of growl porking areas and areas under construction.

Locations where other Bild's should be used:

At low points of occaminated resort.

Bellow calvest outlet upona;

Bellow calvest outlet upona;

Bellow calvest outlet upona;

Bellow calvest on of steep parimeter slopes that are more than 50 feet from top to bottom (i.e., a large up-gradient contributing.

At the bottom or steep parameter appear time to a more unaison even time by even time by executing the considered and closed storm systems.

SECERATIONS

Softment beriese should not be used in streams and large drainage ways!

If there is evidence of end flow erround instelled berriese, extend berriers upith or consider replacing them with temporary check downs.

Softment berries should be installed prior to disturbing sail in the drainage area chows them.

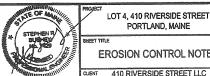
Sadiment barriers should be instance prior to severating use in an entire of the gree related. Any required reports should be inspected regularly and offer each large related. Any required reports should be inspected regularly and effer each large related. Any required reports about the inspected on the bern to reach the desired height and width. Follows is typically not catastrophic and is more sally reported them sit feeding.

If there is only sign of undercutting at the center or the edges, or any sign of impounding large values of water behind the bernier, it may inaccessary to reinforce the bernier by adding another sediment barrier, such as a temperary rook check dam.

Sediment deposits should be removed when they reach approximately one-half the height of the barrier should be within the barrier is decomposed, dagged with sediment, ended or ineffective, it must be replaced or repaired. The barrier should be

The series is economically an exemple of the series of the

8 00.00.07 RESUBMISSION TO PLANNING AUTHORITY
7 06.19.07 RESUBMISSION TO PLANNING AUTHORITY
6 03.30.07 RESUBMISSION TO PLANNING AUTHORITY 7 06.18.07 PG.18.07 P



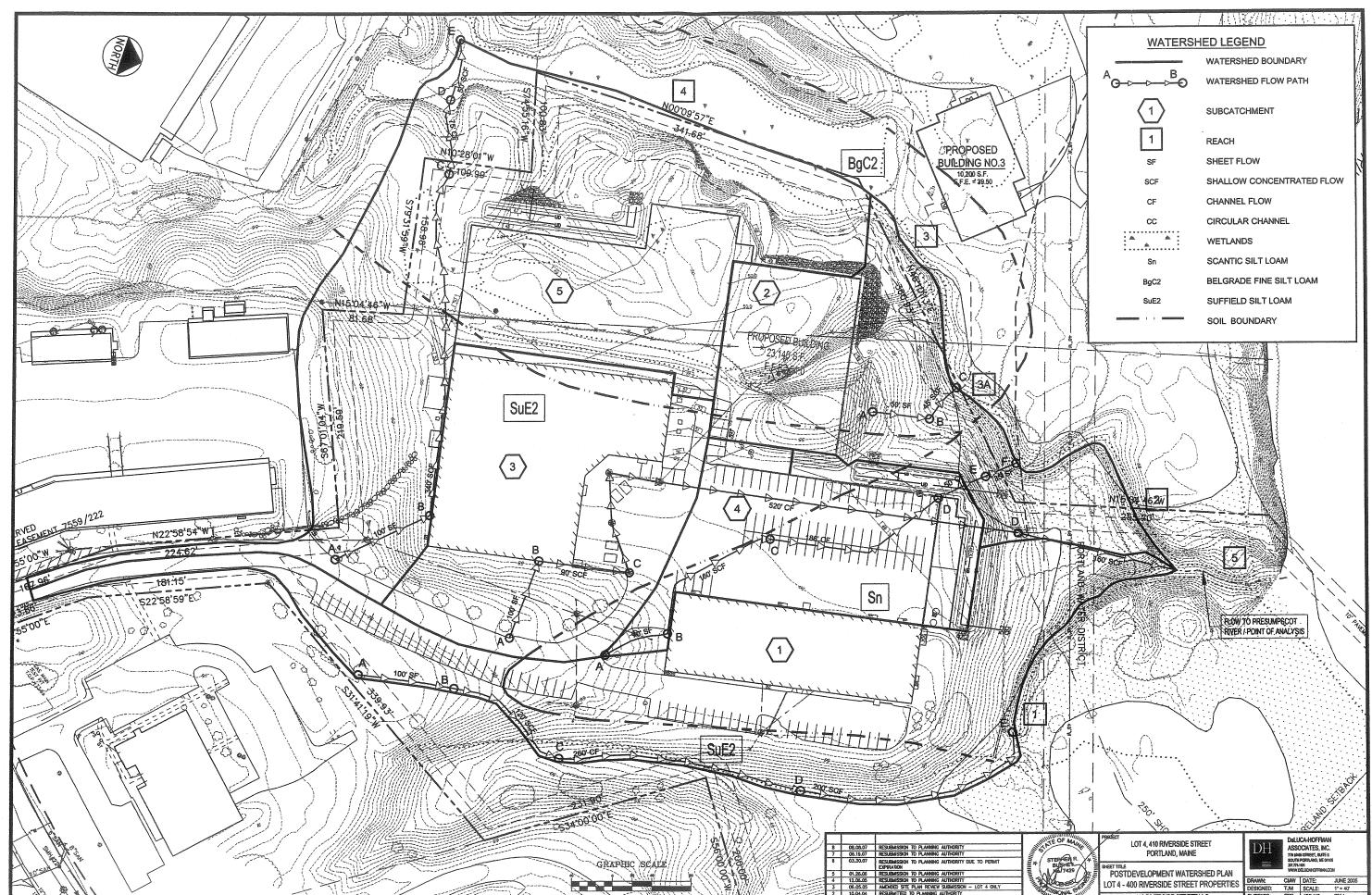
LOT 4, 410 RIVERSIDE STREET

EROSION CONTROL NOTES

PORTLAND, MAINE

ASSOCIATES, INC.

DRAWN: CMW DATE: JUNE 2005
DESIGNED: TJM SCALE: 1° = 40° CHECKED: SRB JOS NO. 2314



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AH. I.Z

