

rec'd 12/9/09

Rick Knowland - Construction Changes to the PNE project 0676901

From: "Carl V Beal" <carl@civcon.com>
To: "Rick Knowland" <RWK@portlandmaine.gov>
Date: 12/4/2009 7:36 PM
Subject: Construction Changes to the PNE project 0676901
CC: <hjacobson@perkinsthompson.com>, "Frank LaRosa" <flarosa@schn.com>, "Ben Ghiringhelli" <bghiringhelli@schn.com>, "David Murphy" <damurphy@schn.com>, <kfitzpatrick@schn.com>, <ccout@civcon.com>

321-A-1

568
 Prioritized / Riverside St
 # 2008-0014

Rick,

As you discussed with Dave Murphy this morning, we are sending you the 2 attached PDF plan files for your approval of changes to the PNE construction project.

- Drawing C4 depicts that we are regrading a small area on the City parcel to contain stormwater runoff on that parcel and direct it away from the PNE site, toward the river. The new swale will seeded and mulched following construction.
- Drawing C5 depicts changes made to the on-site water main and hydrant location at the rear of the site. I believe that you were aware of this change and that the Fire Department also approved of the change.

Please review this information and let me know if you need anything else to approve these changes.

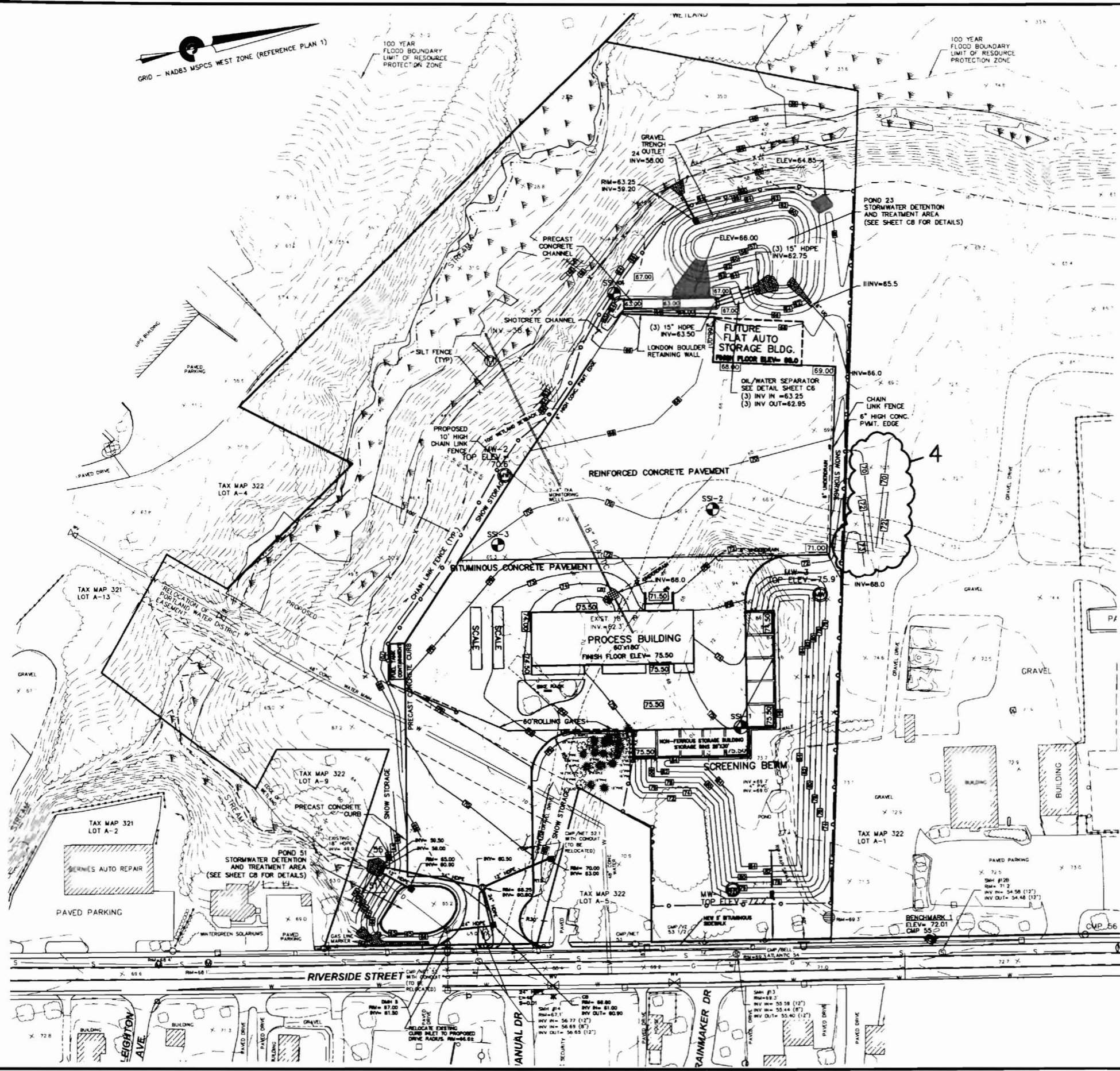
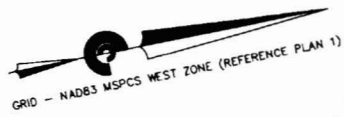
Sincerely,

Carl V. Beal, P.E.
 Civil Consultants

Bldg permit # 09-1338
 Issued 12/1/09

DEC - 9 2009

Scanned & gave to Capt Keith G,



DEC - 9 2009



CIVIL CONSULTANTS
 Engineers
 Planners
 Surveyors
 P.O. Box 100
 South Berwick
 Maine
 03908
 207-384-2550
 ccar@cvcon.com

EROSION AND SEDIMENT CONTROL PRACTICES

- NO SOIL SHALL BE DISTURBED DURING THE PERIOD OF MARCH 1 THROUGH APRIL 15, NOR DURING ANY OTHER PERIOD WHEN SOILS ARE SATURATED DUE TO RAIN OR SNOW MELT.
- DISTURBED SOILS SHALL BE STABILIZED WITHIN ONE (1) WEEK FROM THE TIME IT WAS LAST ACTIVELY WORKED USING TEMPORARY OR PERMANENT MEASURES SUCH AS PLACEMENT OF RIPRAP, MULCH OR OTHER EROSION CONTROL BLANKET, OR OTHER COMPARABLE MEASURES.
- HAY OR STRAW MULCH, WHERE USED, SHALL BE APPLIED AT A RATE OF AT LEAST ONE (1) BALE PER 500 SQUARE FEET (1-2 TONS PER ACRE).
- IF MULCH IS LIKELY TO BE REMOVED DUE TO TO STEEP SLOPES OR WIND, IT SHALL BE ANCHORED WITH NETTING, PEG OR TWINE, OR OTHER SUITABLE METHOD AND SHALL BE MAINTAINED UNTIL A CATCH OF VEGETATION IS ESTABLISHED OVER THE ENTIRE DISTURBED AREA.
- IN ADDITION TO PLACEMENT OF RIPRAP, MULCH OR EROSION CONTROL BLANKETS, ADDITIONAL STEPS SHALL BE TAKEN WHERE NECESSARY IN ORDER TO PREVENT SEDIMENTATION OF THE WATER. EVIDENCE OF SEDIMENTATION INCLUDES VISIBLE GULLY EROSION, DISCOLORATION OF WATER BY SUSPENDED PARTICLES AND SLUMPING OF BANKS, SILT FENCES, STAKED HAY BALES AND OTHER SEDIMENTATION CONTROL MEASURES, WHERE PLANNED FOR, SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF WORK, BUT SHALL ALSO BE INSTALLED WHEREVER NECESSARY DUE TO SEDIMENTATION.
- MULCH OR OTHER TEMPORARY MEASURES SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED WITH VEGETATION OR OTHER PERMANENT CONTROL MEASURES AFTER WHICH TEMPORARY MEASURES WILL BE REMOVED.
- PERMANENT RE-VEGETATION OF ALL DISTURBED AREAS, USING NATIVE PLANT MATERIAL WHEN POSSIBLE, SHALL OCCUR WITHIN 30 DAYS FROM THE TIME THE AREAS WERE LAST ACTIVELY WORKED, OR FOR FALL AND WINTER ACTIVITIES, BY JUNE 15, EXCEPT WHERE PRECLUDED BY THE TYPE OF ACTIVITY (E.G. RIPRAP, ROAD SURFACES, ETC.). THE VEGETATIVE COVER SHALL BE MAINTAINED.
- DISPOSAL OF COLLECTED DEBRIS MUST BE IN CONFORMANCE WITH MAINE SOLID WASTE LAW, TITLE 38 MRSA SECTION 1301 ET. SEQ.
- LIME AND FERTILIZER APPLICATION RATES SHALL NOT EXCEED THE FOLLOWING:
 GROUND LIMESTONE: 3 TONS/ACRE (130 LBS./1000 S.F.)
 FERTILIZER, 10-10-10 OF EQUIVALENT: 500 LBS./ACRE (14 LBS./1000 S.F.)
 FERTILIZER SHALL NOT BE APPLIED BEFORE START OF THE GROWING SEASON NOR AFTER SEPTEMBER 30. FERTILIZED AREAS SHALL BE MULCHED TO REDUCE OFF-SITE TRANSPORT OF NUTRIENTS UNTIL USED BY VEGETATIVE GROWTH.

SEEDING MIXTURE AND SCHEDULE:

SPREAD TOPSOIL UNIFORMLY 6" DEEP OVER AREAS TO BE RECLAIMED. THE FOLLOWING SEED MIXTURE SHALL BE USED:
 LAWNS:
 KENTUCKY BLUEGRASS 0.46 LBS./1000 S.F.
 CREEPING RED FESCUE 0.46 LBS./1000 S.F.
 PERENNIAL RYE GRASS 0.11 LBS./1000 S.F.
 TOTAL 1.03 LBS./1000 S.F.

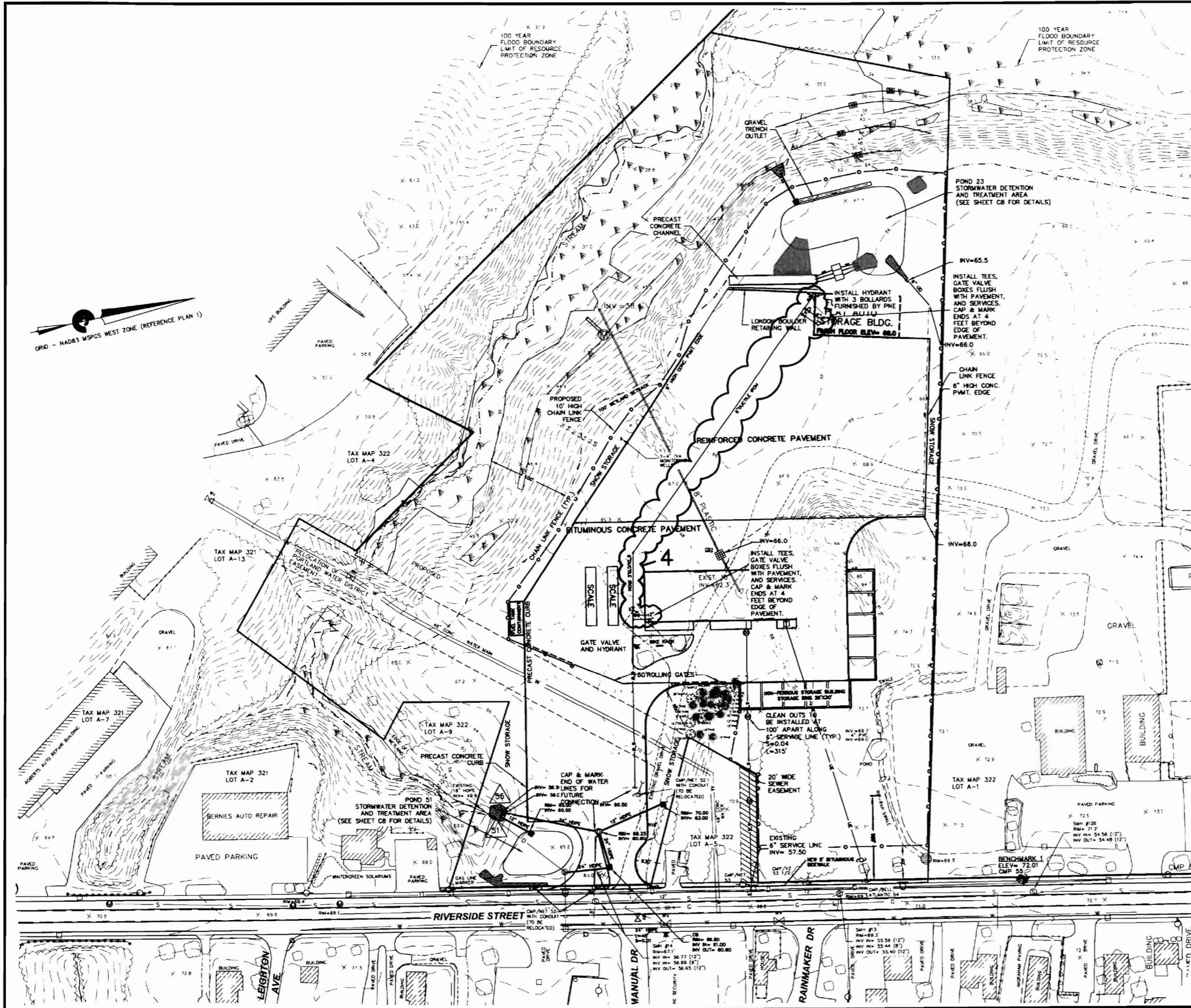
APPLY LIME AND FERTILIZER AS SPECIFIED UNDER THE EROSION AND SEDIMENTATION CONTROL NOTES. WORK INTO THE TOP (4) INCHES OF SOIL PRIOR TO SEEDING. AFTER SEEDING, APPLY MULCH HAY AS SPECIFIED ON FLAT AREAS AND NOT EXPOSED TO WIND. THE MULCH WILL BE ANCHORED BY WETTING DOWN. OTHER AREAS, JUTE NETTING SHALL BE USED FOR ANCHORAGE. THE ABOVE SEEDING SCHEDULE IS APPLICABLE IF SEEDING DURING THE GROWING SEASON (APRIL 15 TO JUNE 15 AND AUGUST 30 TO SEPTEMBER 30). BETWEEN JUNE 15 AND AUGUST 30, SEEDING WILL BE DELAYED UNTIL AUGUST 30. IF SOIL IS DISTURBED BETWEEN OCTOBER 1 AND NOVEMBER 1, DELAY SEEDING UNTIL NOVEMBER 1. AFTER NOVEMBER 1 AND BEFORE A SNOW COVER FORMS, THE SAME PROCEDURE WILL BE FOLLOWED EXCEPT THE SEED RATE WILL BE DOUBLED. AFTER SNOW COVER AND BEFORE APRIL 15, SEEDING WILL BE DELAYED UNTIL APRIL 15. HAY MULCH WILL BE APPLIED AT A RATE OF 150 LBS./1000 SQUARE FEET. THIS WILL BE ANCHORED BY NON-ASPHALTIC TACKIFIER SPRAYED ON LAWNS AND JUTE NETTING IN DRAINAGE WAYS AND OTHER AREAS.

NO.	REVISIONS	DATE
4	DITCH GRADING ON CITY PARCEL	CVB 12/04/09
3	ADDED FLAT AUTO BLDG.	CVB 11/10/09
2	REVISED PER CITY COMMENTS	CVB 11/05/09
1	ADDED NEW RIVERSIDE SIDEWALK	CVB 10/21/09

2009-2010 SITEWORK CONTRACT
 PNE SCRAP METAL FACILITY
 RIVERSIDE STREET
 PORTLAND, MAINE
 PREPARED FOR:
 PROLERIZED NEW ENGLAND CO. LLC
 MAILING ADDRESS: 69 ROVER STREET, EVERETT, MA 02714, 02719

CIVIL CONSULTANTS

DRAWN: JAA CALC: CVB
 DATE: 29 OCTOBER 2009
 CHECKED:
 APPROVED:
 SCALE: 1" = 60'
 SHEET TITLE:
 • GRADING PLAN
 SHEET NUMBER:
 C4
 SHEET 4 of 8
 PROJECT # 06-769.02



SECTION II - SANITARY SEWER AND STORM DRAIN DESIGN STANDARDS
 DEPARTMENT OF PUBLIC WORKS TECHNICAL STANDARDS
 FIGURE II-20
 AGGREGATES SPECIFICATIONS

THE PROVISIONS OF SECTION 703 OF THE MDT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, THE CURRENT EDITION OF WHICH IS ON FILE AT THE CITY TRAFFIC ENGINEER'S OFFICE, SHALL APPLY WITH THE FOLLOWING ADDITIONS AND MODIFICATIONS:

703.06 (B) AGGREGATE SUBBASE:
 SAND SUBBASE SHALL NOT CONTAIN PARTICLES OF ROCK WHICH WILL NOT PASS THE ONE INCH (1") SQUARE MESH SIEVE, AND SHALL CONFORM TO TYPE F AGGREGATE, AS LISTED IN THIS SUBSECTION OF THE STANDARD SPECIFICATIONS.

GRAVEL SUBBASE SHALL NOT CONTAIN PARTICLES OF ROCK WHICH WILL NOT PASS THE THREE INCH (3") SQUARE MESH SIEVE, AND SHALL CONFORM TO TYPE D AGGREGATE, AS LISTED IN THIS SUBSECTION OF THE STANDARD SPECIFICATIONS ...

703.06 (C) CRUSHED STONE FOR PIPE BEDDING:
 CRUSHED STONE USED AS A BEDDING MATERIAL FOR PIPE SHALL BE HARD, DURABLE STONE UNIFORMLY GRADED BETWEEN THE FOLLOWING LIMITS:

FOR PIPE SIZES 8" THROUGH 42"	PERCENTAGE BY WEIGHT PASSING SQUARE MESH SIEVE
3/4 INCH	100
3/8 INCH	20-55
NO. 4	0-10

FOR PIPE SIZES 42" AND LARGER:

PERCENTAGE BY WEIGHT PASSING SQUARE MESH SIEVE
100
20-55
0-10

THE STONE SHALL BE FREE OF VEGETABLE MATTER, LUMPS OR BALLS OF CLAY, AND OTHER DELETERIOUS SUBSTANCES.

703.20 GRAVEL BORROW:
 GRAVEL BORROW SHALL NOT CONTAIN PARTICLES OF ROCK WHICH WILL NOT PASS THE THREE INCH (3") SQUARE MESH SIEVE.

- MANHOLE AND CATCH BASIN GENERAL NOTES
- FIGURE II - 9
- ALL UTILITY INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CITY OF PORTLAND TECHNICAL AND DESIGN STANDARDS AND GUIDELINES.
 - ALL CONCRETE SHALL BE A CLASS "A" AND HAVE A MINIMUM ULTIMATE STRENGTH OF 4000 LBS. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.
 - PRECAST REINFORCED CONE BARREL MANUFACTURE PER ASTM SPEC. C-478-87
 - SEWER BRICK TO CONFORM TO ASTM SPEC. DESIGNATE ON C-32-63, GRADE MA AND SA.
 - ALL MANHOLES SHALL HAVE A BITUMINOUS WATERPROOFING APPLIED TO THE EXTERIOR SURFACE. IF CONSTRUCTION OF BRICK MASONRY, THE SMOOTH MORTAR SURFACE SHALL BE PLASTERED WITH A SMOOTH MORTAR FINISH 3/8" THICK AFTER THE MORTAR HAS SET, THE SURFACE SHALL BE WATERPROOFED AS REQUIRED BY SUPPLEMENTAL SPECIFICATIONS SECTION 604.
 - CASTINGS SHALL CONFORM TO ASTM DESIGNATION A48-CLASS 35. ALL PARTS OF CASTINGS, EXCEPT FINISHED SURFACE, SHALL RECEIVE A COAT OF COAL TAR PITCH VARNISH OR ASPHALTUM PAINT WHICH SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.
 - MANHOLES MAY BE CONSTRUCTED OF BRICK MASONRY, PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.
 - ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY STATION AND OFFSET, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANUFACTURER.
 - STORM AND SEWER MANHOLES SHALL HAVE SOLID COVERS WITH ONE DILLED HOLE.
 - EXISTING MANHOLE AND CATCH BASIN FRAMES AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND REMAIN THE PROPERTY OF THE CITY OF PORTLAND.

2009-2010 SITEWORK CONTRACT
 PNE SCRAP METAL FACILITY
 RIVERSIDE STREET
 PORTLAND, MAINE
 PREPARED FOR:
 PROLERIZED NEW ENGLAND CO, LLC
 MAILING ADDRESS: 69 RIVER STREET EVERETT, MA 02149

CIVIL CONSULTANTS

DRAWN JAA CALC CVB
 DATE 29 OCTOBER 2009
 CHECKED CVB
 APPROVED
 SCALE 1" = 40'
 SHEET TITLE:
 • UTILITY PLAN

SHEET NUMBER:
 C5

SHEET 5 of 8
 PROJECT # 06-769.02

DWG NAME: 0676902E-ST-2E DIRECTORY: \CARLSON\ENGINEERING\DRAWING DATE: 10/29/2009

STATE OF MAINE
 CIVIL ENGINEER
 No. 6993

CIVIL CONSULTANTS
 Engineers
 Planners
 Surveyors
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 03908
 207-354-2550
 civcon@ciicon.com

NO.	REVISIONS	DATE
4.	REVISED WATER LINE CONSTRUCTION	CVB 11/30/09
3.	ADDED FLAT AUTO. BLDG.	CVB 11/10/09
2.	REVISED PER CITY COMMENTS	CVB 11/05/09
1.	ADDED NEW RIVERSIDE SIDEWALK	CVB 10/21/09