RIVERSIDE LANDING - MULTI-USE DEVELOPMENT

AT THE FORMER FAIRHAVEN MILLS SITE

COGGESHALL STREET NEW BEDFORD, MASSACHUSETTS PHASE III MODIFICATION SITE PLANS ISSUED FOR SPECIAL PERMIT MODIFICATION

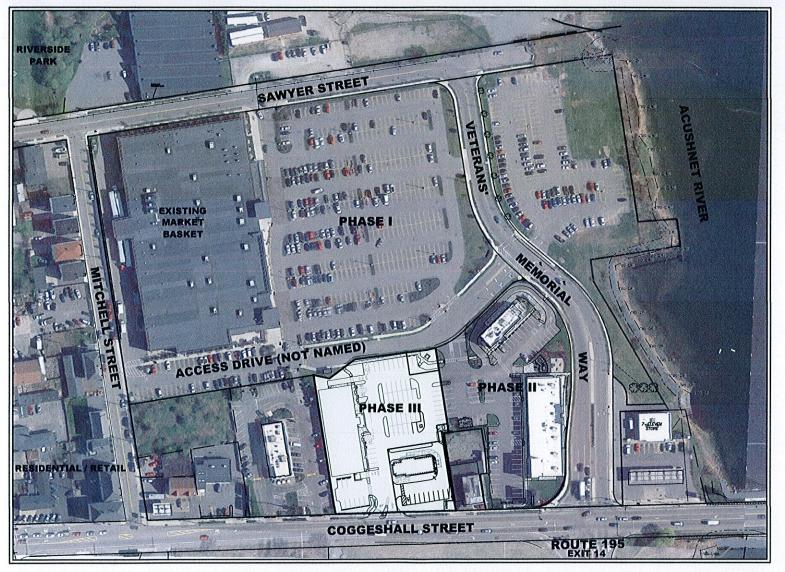
OWNER, DEVELOPER, & APPLICANT:

CITY CLERKS OFFICE NEW BEDFORD, MA

V

DW NEW BEDFORD LLC 1266 FURNACE BROOK PARKWAY QUINCY, MA 02169





NEIGHBORHOOD LOCUS PLAN **SCALE: 1"=80'**

JUNE 13, 2016

SCHEDULE OF DRAWINGS

SHEET NUMBER	PLAN TITLE
1	TITLE SHEET
2	EXISTING CONDITIONS PLAN
3	SITE LAYOUT
4	GRADING & DRAINAGE PLAN
5	UTILITIES PLAN
6	LIGHTING PLAN
7	LANDSCAPE PLAN
8	EROSION CONTROL PLAN
9	DETAILS 1
10	DETAILS 2
11	DETAILS 3

DEVELOPMENT TEAM

FUNCTION	TEAM MEMBER
DEVELOPER	COGGESHALL-NEW BEDFORD, LLC & HIGHWAYVIEW, LLC
SITE CONTRACTOR	D.W. WHITE
ARCHITECT	MICHAEL SUDANO ARCHITECT P.C.
LANDSCAPE ARCHITECT	RADNER DESIGN ASSOCIATES
SITE DESIGN ENGINEER	PRIME ENGINEERING, INC.
	DEVELOPER SITE CONTRACTOR ARCHITECT LANDSCAPE ARCHITECT

PREPARED BY:



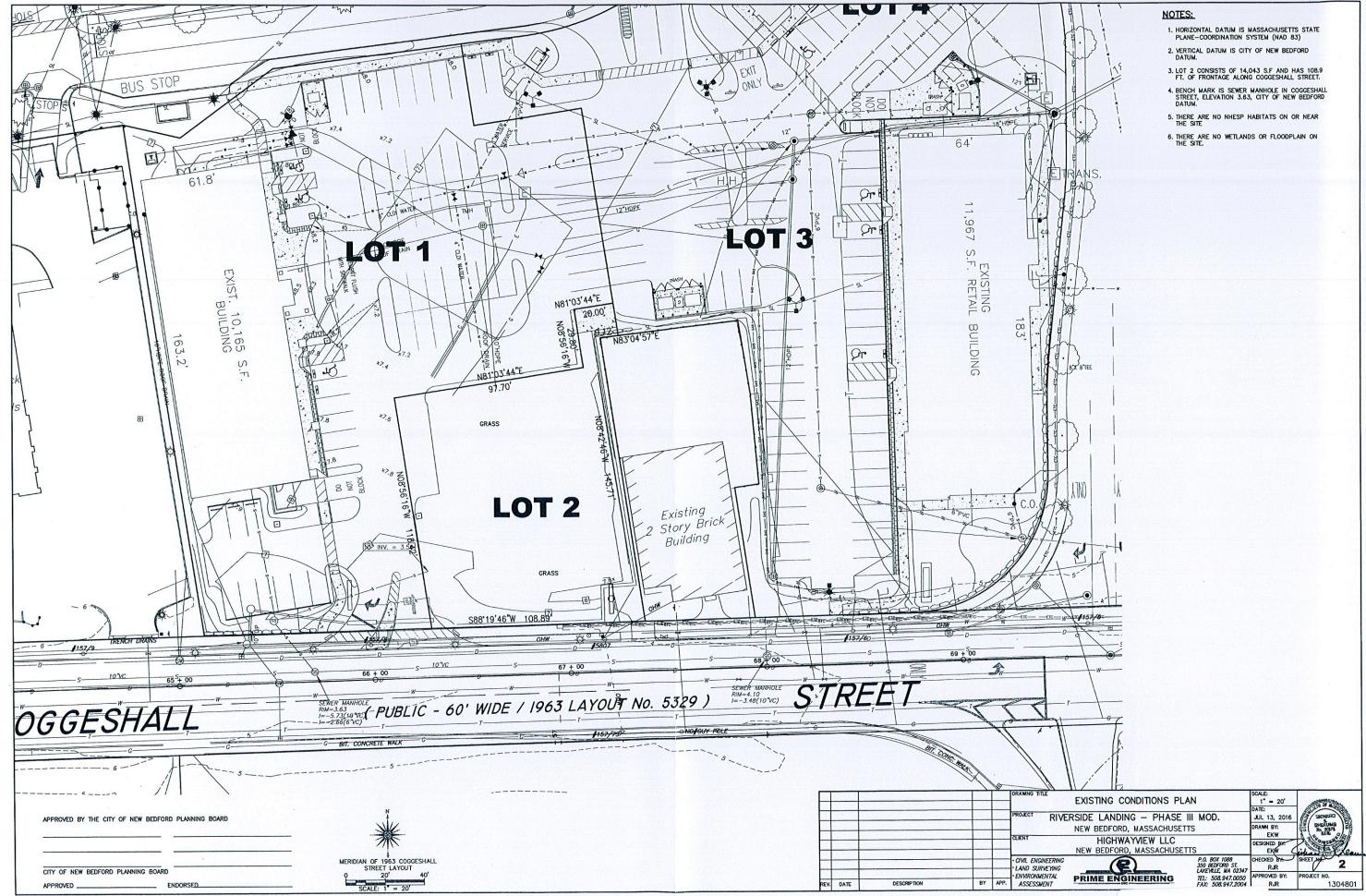
CIVIL ENGINEERING—LAND SURVEYING—ENVIRONMENTAL ASSESSMENT P.O. BOX 1088, 350 BEDFORD STREET, LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004

SHEET 1

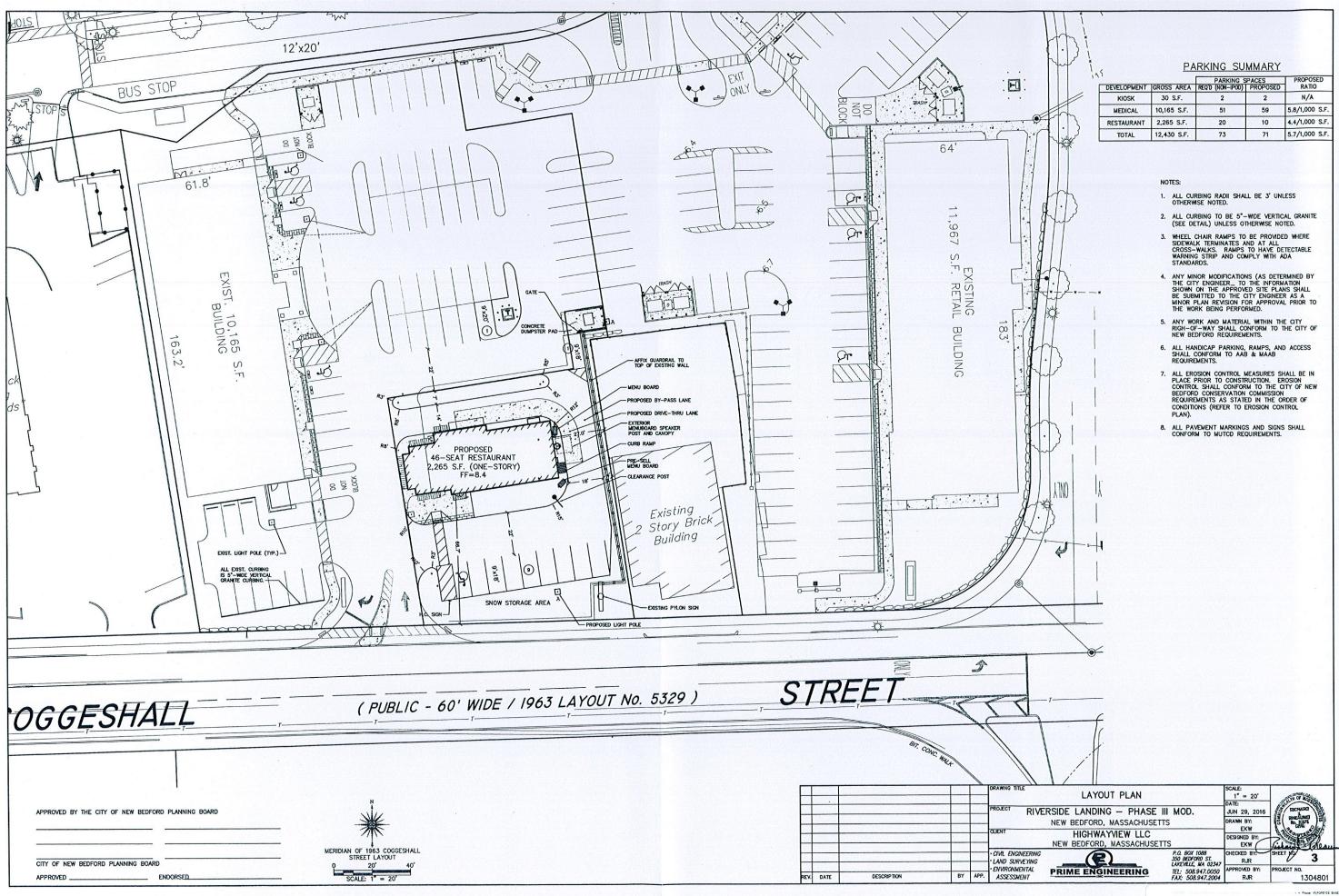
Case 25-16 07/15/2016

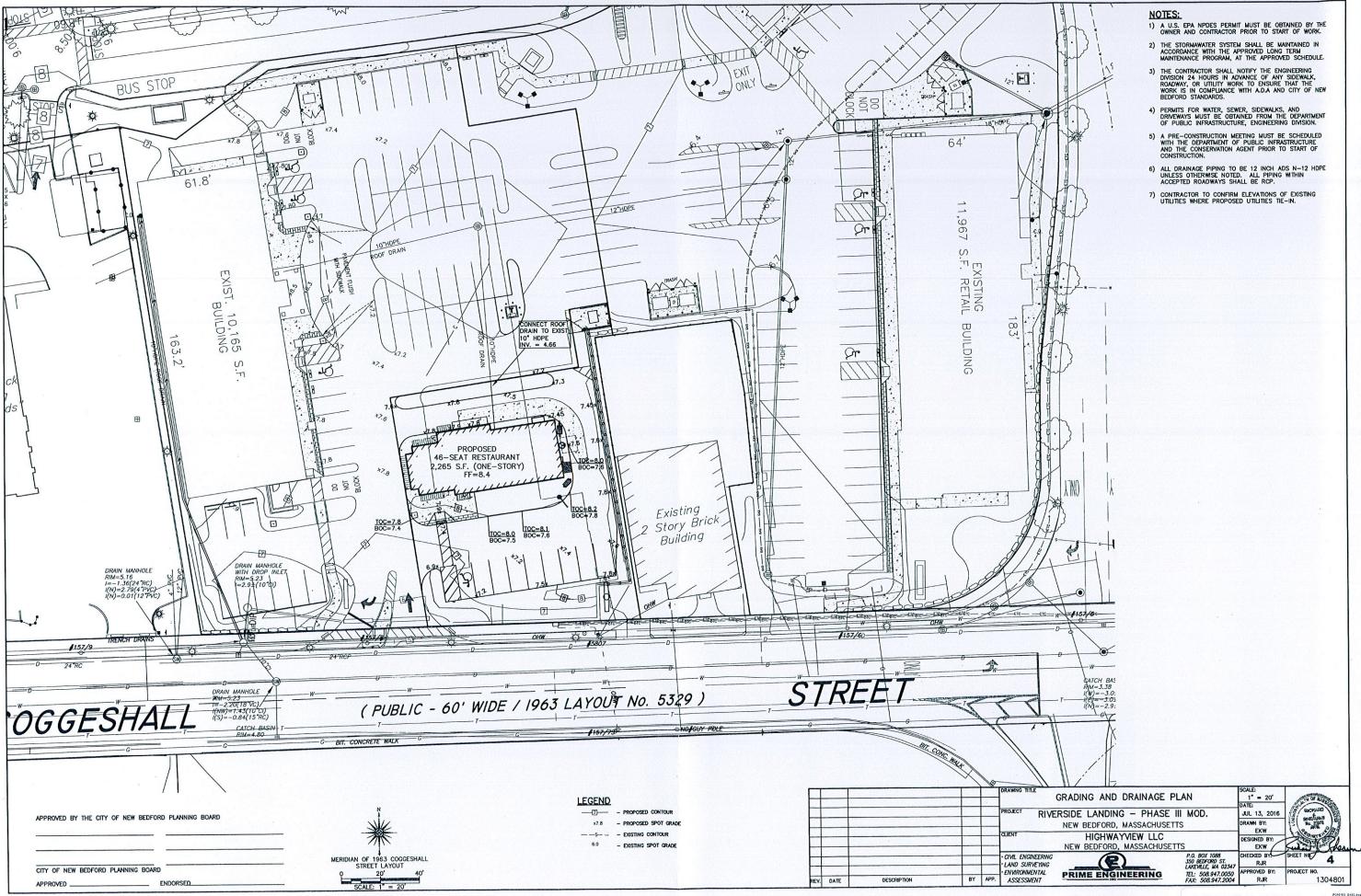
SITE LOCUS IS REFERENCED AS NEW BEDFORD ASSESSOR'S

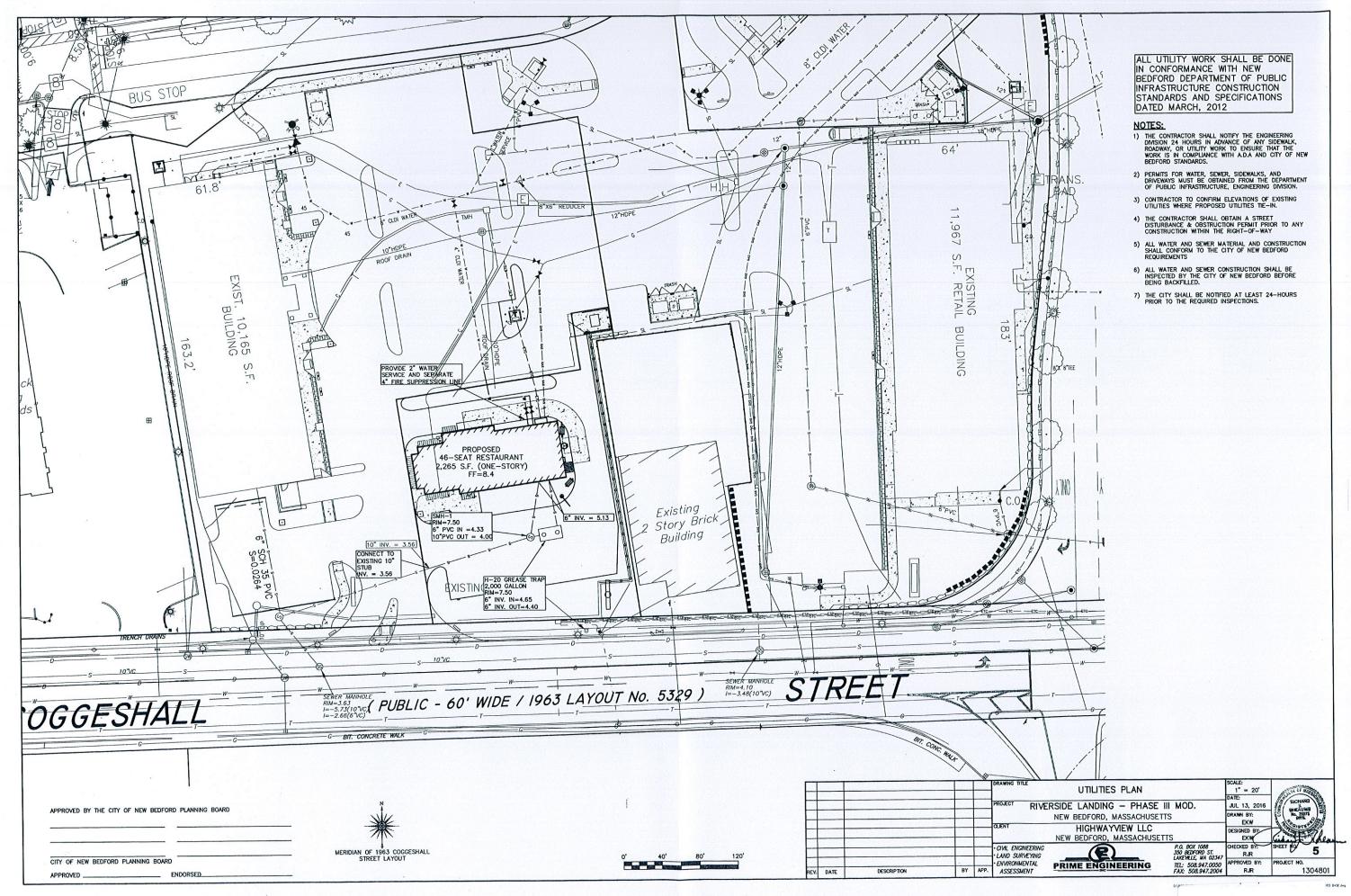
THE SITE IS LOCATED IN THE HICKS LOGAN SAWYER INTERIM PLANNING OVERLAY DISTRICT (IPOD).

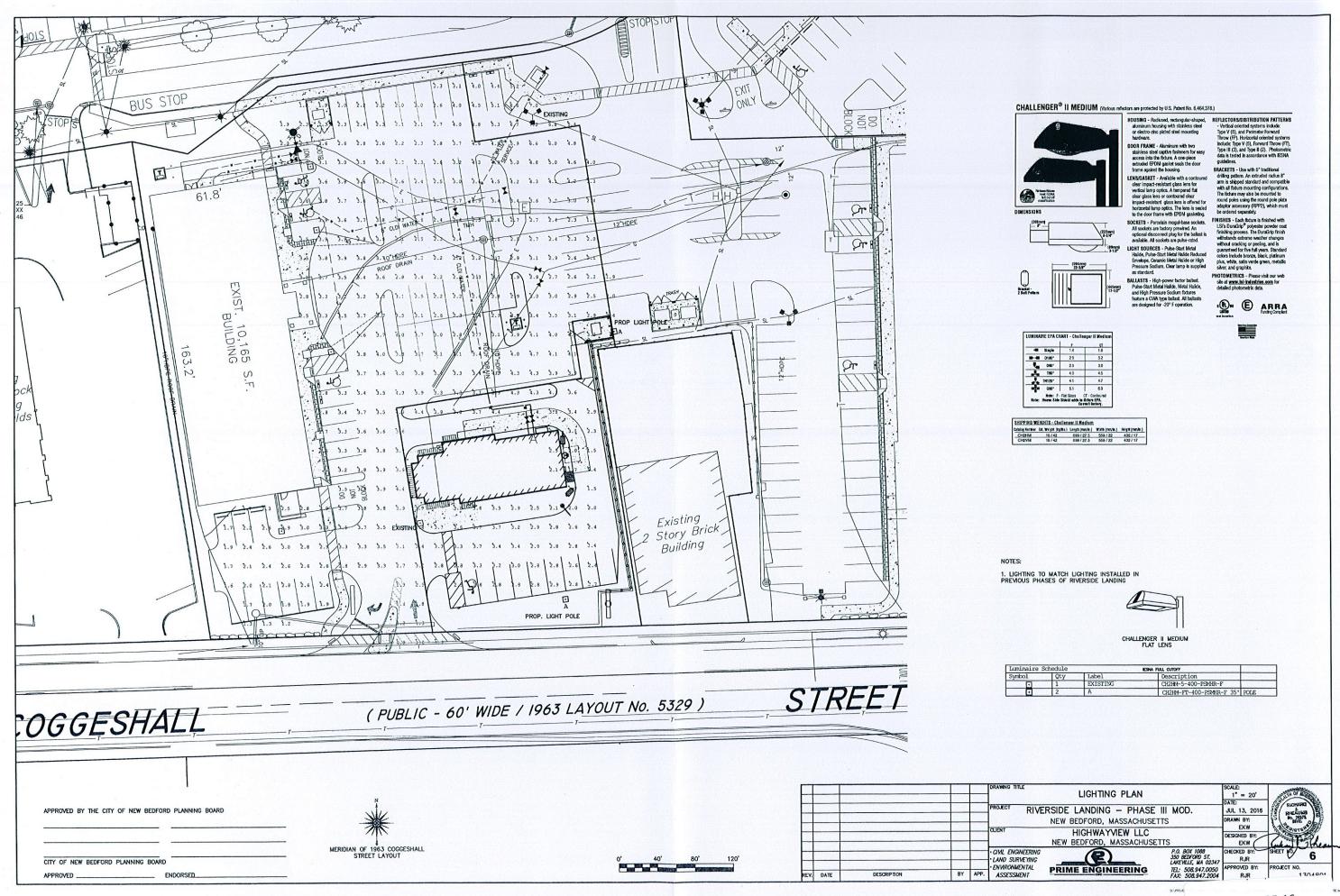


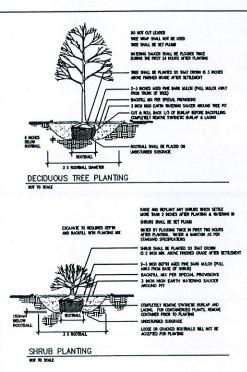
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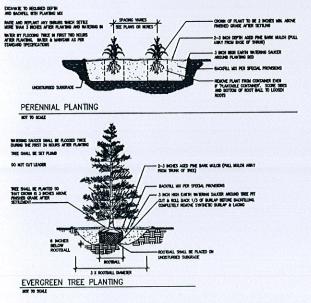












NOTES

I. FURRES AND INSTALL PLANTS AS SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR QUANTITY OF SHRUBS GRAPHICALLY SHOWN ON PLANS. IF THERE IS A DISCREPANCY BETWEEN PLANT LIST GUANTITIES AND GRAPHOS, THE GRAPHOS SHALL FAIR FREDERIOR. 2. PRIOR TO THE STRAT OF EXCAUTION FOR THE PROJECT BOTH ON AND OF THE STIE. THE CONTRACTOR SHALL BOTH POSSAFE AND BE PROVIDED A DISCASE MURBER INDICATING THAT ENSTING UTILITIES HAVE BEEN LOCATED AND MARKED. A DISCASE MURBER INDICATING THAT EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED. A DISCASE MURBER INDICATING THAT CONTRIVE UNTIL FRAIL ACCEPTANCE.

CONTRICTOR SHALL BORN MAINTENING BIMEDIATELY UPON PLANTING AND WILL CONTRIVE SHALL FRAIT ACCEPTANCE.

CONSTRUCTION START LL. MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING FOUNDATIONS, STRUCTURES, AND PLANTING BEDS.

8. MAXIMUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE.

NOTED.

6. MAXINUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE.
NOTED.
7. PLANTS SHALL BEAR THE SAME RELATIONSHIP TO PHISH GRADE AS TO ORIGINAL GRADES
BEFORE DIGGING.
8. PLANT MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY "THE AMERICAN
STANDARD FOR INATESTY STOCK", PUBLISHED BY THE AMERICAN ASSOCIATION OF
NURSERYMEN.
9. PLANTS TO BE BALLED IN BURLAP OR CONTAINERIZED.
10. MUCH FOR PLANTED AREAS TO BE AGDE PINE BACK: PARTIALLY DECOMPOSED, DARK
BROWN TO CLOR AND FREE OF WOOD CHES THICKER THAN 1/4 INCH.
PROPORTIONED 5.C. V.T. TO 1 C.Y. OR COUNALENT. PEAT MOSS WITH FERTILIZER ADDED PER
HANDFACTURER'S RECOMMENDED RATES.
12. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE PLANT MATERIALS FOR ONE (1) FULL
TEAR FROM DATE OF ACCEPTANCE.
13. PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, AT
THE MASSCAPE ARCHITECT TO FLAG TIRES TO BE TRANSPLANTED PRIOR TO CONSTITUTE TO
14. LANDSCAPE ARCHITECT TO FLAG TIRES TO BE TRANSPLANTED PRIOR TO CONSTITUTE TO
14. LANDSCAPE ARCHITECT TO FLAG TIRES TO BE TRANSPLANTED PRIOR TO CONSTITUTE TO
15 THE MASSCAPE ARCHITECT TO FLAG TIRES TO BE TRANSPLANTED PRIOR TO CONSTITUTE ON
15 TART.

14. LANOSCAPE ARCHITECT TO FLAG TREES TO BE TRANSPLANTED PRIOR TO CONSTRUCTION START.

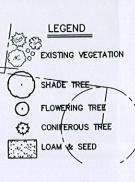
15. AREAS OF THE SITE WHICH HAVE BEEN DISTURBED AND NOT OTHERWISE DEVELOPED SHALL BE LOADED WITH TOPSOIL TO A MINIMUM DEPTH OF 6°, AND SEDDED WITH A MIX CONSISTING OF 40XP PERDINAL RIVE GRASS; 30X CHEWINGS FESCUE; 30X KENTUCKY BULGERASS.

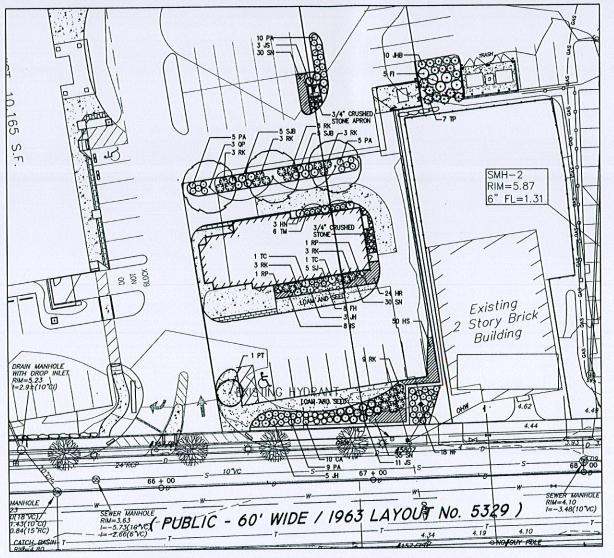
16. SCREENED IMAGES SHOW BOSTING CONDITIONS. WHERE EXISTING CONDITIONS LIE UNDER OR ARE IMPINIODED UPON BY PROPOSED BUILDINGS AND/OR CAPPED OR DEVICUSIED AS REQUIRED. 17. PROVIDE AUTOMATIC RERIGATION SYSTEM FOR PLANTINGS AND LAWN AREAS VINLESS OTHERWISE MOTED.

18. THERE SHOTED. HE NO SUBSTITUTION OF PLANT SPECIES WITHOUT AUTHORIZATION BY THE LANDSCAPE ARCHITECT.

LANDSCAPE ARCHITECT.

20. PLANTS TO BE THOROUGHLY WATERED AFTER INSTALLATION, AT LEAST TIMES WITHIN THE PRIST 24 HOURS.

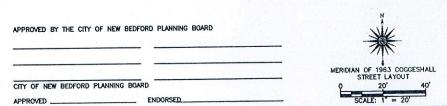


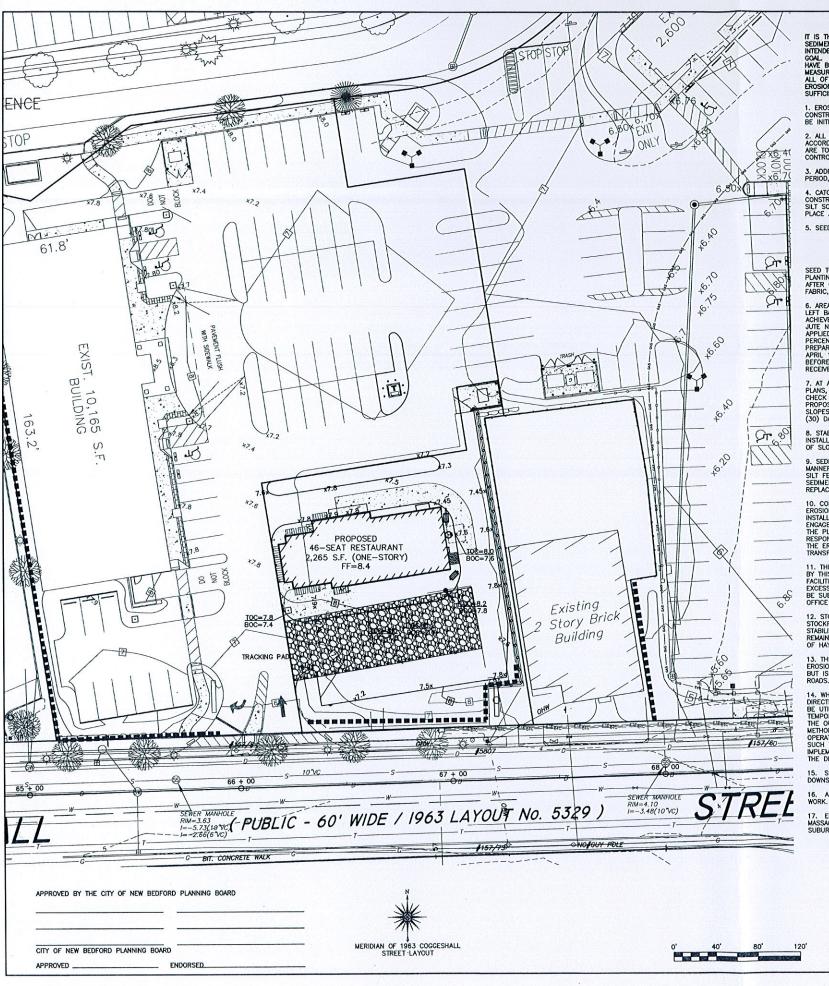


	-	SCHEDULE	COMMON NAME	SIZE/SPACING	COMMENTS
		BOTANICAL NAME	COMMON NAME	SELY G AGETO	
DE		AUS SHADE TREES			
3	OP.	QUERCUS PALUSTRIS	PIN OAK	2-2.5" CAL	BAS, HIGH BRANCHED, FULL, SYMMETRIC
S	ANL I	FLOWERING TREES			
1	PT	PRUNUS CERASIFERA THUNDERCLOUD	THUNDERCLOUD FLOWERING PLUM	8-10' HT.	BAB, SPECIMEN, PICTURESQUE
0	ONIFER	ROUS TREES			
7	TP	THUJA PLICATA 'GREEN GIANT'	GREEN GLANT WESTERN ARBOYITAE	4-5' HT.	CONTAINER
S	HRUBS			Carrie Bullion Commence	
10	CA	COTONEASTER APICULATUS	CRAMBERRY COTONEASTER	18-24" SPR.	CONTAINER
5	FI	FORSYTHIA INTERMEDIA	FORSYTHIA	24-30° HT.	CONTAINER
3	HH	HYDRANGEA 'NIKKO BLUE'	BLUE HYDRANCEA	5 GAL	CONTAINER
14	JS	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA CREEN JUNIPER	24-30" HT.	CONTAINER
6	TM	TAXUS MEDIA x 'HICKSII'	HICK'S YEW	24-30" HT.	CONTAINER
2	TC	TAXUS CUSPIDATA 'CAPITATA'	CAP YEW	3'-4' HT.	CONTAINER
27	RK	ROSA 'KNOCKOUT'	KNOCKOUT ROSE	5 GAL	CONTAINER
2	RP	RHODODENDRON PJM 'COMPACTA'	COMPACT PJM RHODO	5 GAL	CONTAINER
5	SJ	SPIREA JAPONICA SHIROBANA	SHIROBANA JAPANESE SPIREA	12-18" HT.	CONTAINER
10	5./8	SPIREA JAPONICA BUMALDA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	18-24" HT.	CONTAINER
_ P	ERENIN	IIALS AND GRASSES			
8	FH		BLUE FESCUE	2 GAL - 24" O.C.	CONTAINER
29	PA	PENINSETUM ALOPECURIODES 'HAMELN'	DWARF FOUNTAIN GRASS	2 GAL - 36° O.C.	CONTAINER
24	HR	HEMEROCALLIS 'ROSY RETURNS'	RED DAYLLY	1 GAL - 18" O.C.	CONTAINER
50	HS	HEMEROCALLIS 'STELLA D'ORO'	YELLOW DAYLLY	1 GAL - 18" O.C.	CONTAINER
18	NF	NEPETA 'WALKERS LOW'	WALKER'S LOW CATHINT	1 GAL - 18" O.C.	
8	B	IRIS SIBERICA	SIBERIAN IRIS	1 GAL - 18" O.C.	CONTAINER
95	SH	SALMA SILVESTRIS 'MAY HIGHT'	WAY NICHT SALVIA	1 GAL - 18" O.C.	CONTAINER
-	ROUN	DCOVERS			
18	·	JUNIPER HORIZONTALIS WILTON	BLUE RUG CREEPING JUNIPER	3 GAL - 36" O.C.	CONTAINER



T				DRAWING TITLE	LANDSCAPE PLAN		1" = 20"	Julin OF BURN
+				PROJECT F	RIVERSIDE LANDING - PHASE		JULY 5, 2016	S ENCHARO BHEAUMS M. 28378
+				CUENT	NEW BEDFORD, MASSACHUSETT	S	DRAWN BY: MPR	20000
				COENT	HIGHWAYVIEW LLC NEW BEDFORD, MASSACHUSET	rs	DESIGNED BY:	2
+		45		· CIVIL ENGINEERING · LAND SURVEYING	(2)	P.O. BOX 1088 350 BEDFORD ST.	CHECKED BY:	SHEET NO. 7
		BY	APP.	· ENVIRONMENTAL ASSESSMENT	PRIME ENGINEERING	TEL: 508.947.0050 FAX: 508.947.2004	APPROVED BY:	PROJECT NO. 1304801





EROSION & SEDIMENT CONTROL NOTES:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL EROSION AND PREVENT SEDIMENTATION WITHIN 25' OF RESOURCE AREAS OR OFFSITE PROPERTIES. IT IS INTENDED THAT THE IMPLEMENTATION OF THE FOLLOWING MEASURES WILL MEET THIS GOAL. WHEN IT IS CLEAR TO THE DESIGNER THAT EROSION AND SEDIMENTATION HAVE BEEN ADEQUATELY CONTROLLED WITHOUT THE IMPLEMENTATION OF EVERTY MEASURE, ADDITIONAL MEASURES NEED NOT BE IMPLEMENTED. ALTERNATIVELY, IF ALL OF THE FOLLOWING MEASURES HAVE BEEN IMPLEMENTED AND THE CONTROL OF EROSION AND SEDIMENTATION IS INADEQUATE, THE CONTROLOR MUST EMPLOY SUFFICIENT SUPPLEMENTAL MEASURES BEYOND THE SCOPE OF THIS PLAN.

1. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.

2. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.

3. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER.

4. CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SILT SOCKS SHOULD BE INSTALLED UNDER GRATE OPENING UNTIL PAVEMENT IS IN PLACE AND GROUND SURFACE IS STABILIZED.

5. SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS:

KENTUCKY BLUE GRASS 457 CREEPING RED FESCUE 457 PERENNIAL RYEGRASS 105

SEED TO BE APPLIED AT A RATE OF 4 LBS./1000 SQ. FT.
PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 15.
AFTER OCTOBER 15. AFEAS WILL BE STABILIZED WITH HAYBALE CHECK, FILTER
FABRIC, OR WOODCHIP MULCH, AS REQUIRED, TO CONTROL EROSION.

6. AREAS THAT ARE NOT THE LOCATION OF ACTIVE CONSTRUCTION WHICH ARE TO BE LEFT BARE FOR OVER ONE MONTH BEFORE FINISHED GRADING AND SEEDING IS ACHIEVED, SHALL BE MULCHED OR RECEIVE TEMPORARY STABILIZATION SUCH AS JUTE NETTING OR SHALL RECEIVE A TEMPORARY SEEDING OF PERENNIAL RYGGRASS APPLIED TO A RATE OF 2 LBS./1,000 SQ, FT. LIMESTONE (EQUIVALENT TO BE 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 90 LBS./1,000 SQ, FT. PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR—DRIED WOOD CHIP MULCH, FREE OF COARSE MATTER.

7. AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE CONTRACTOR SHALL ESTABLISH AN EROSION CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) ABOUT TEN (10") FEET FROM TOE TO SLOPE OF PROPOSED FILL AREAS PRIOR TO BEGINNING FILL INSTALLATION. STABILIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION.

8. STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMPLETION.

9. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MAINER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL HAYBALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED OR REPLACED.

10. CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PLANNING BOARD OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

11. THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED, SHALL MAKE INSPECTION OF SUCH FACILITIES NOT LESS REQUENTLY THAN EVERY 14 DAYS OR AFTER A RAINFALL IN EXCESS OF 1/2 INCH, WHICHEVER OCCURS FIRST. THE INSPECTION REPORTS SHALL BE SUBMITTED TO THE PLANNING DEPARTMENT AND CONSERVATION COMMISSION OFFICE ON A MONTHLY BASIS.

12. STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED WITH TEMPORARY VECETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, RITER FABRIC SHALL BE USED IN PLACE OF HAYBALES. SIDE SLOPES SHALL NOT EXCEED 2:1.

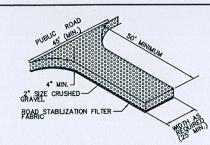
13. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC.

14. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOUDS. IF A PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. SAID DISCHARGE POINTS SHALL BE LOCATED OVER 100 FEET FROM THE DELINEATED WETLANDS AS INDICATED ON THIS PLAN.

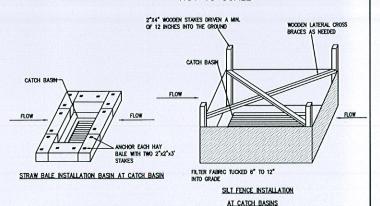
15. SILT SACKS OR OTHER EQUIVALENT ARE TO BE PLACED IN THE FIRST DOWNSTREAM CATCH BASINS FROM THE SITE.

16. ALL BMP EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY SITE WORK.

17. EROSION CONTROL BMPS SHALL CONFORM TO US EPA, NPDES, MA DEP AND MASSACHUSETTS EROSION AN SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS.

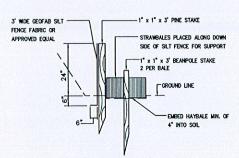


CONSTRUCTION ENTRANCE NOT TO SCALE



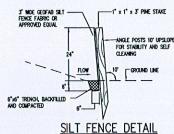
SEDIMENT AND EROSION CONTROL AT CATCH BASINS TO BE INSTALLED IF SPECIFIED BY FIELD ENGINEER

NOT TO SCALE



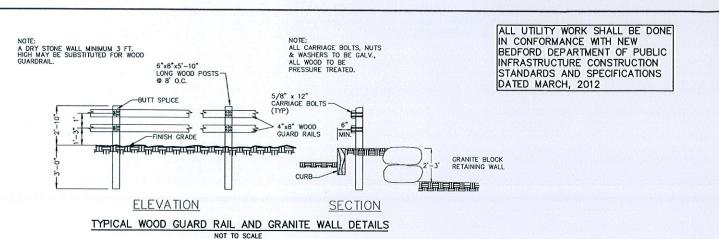
STRAWBALE AND SILT FENCE DETAIL (TO BE PLACED AT THE TOE OF FILL SLOPES)

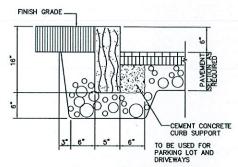
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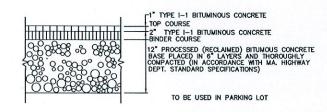
NOT TO SCALE

П					EROSION CONTROL PLAN	SCALE: 1" = 20' DATE:	AND THE PARTY OF T
122					RIVERSIDE LANDING — PHASE III MOD. NEW BEDFORD, MASSACHUSETTS	JUL 13, 2016 DRAWN BY:	S FACHARD SHE SHE
					HIGHWAYVIEW LLC NEW BEDFORD, MASSACHUSETTS	DESIGNED BY: EKW	and Dea
- Se					CIVIL ENGINEERING LIAND SURVEYING LIAND SURVEY	CHECKED BY: RUR APPROVED BY:	SHEET NO.
REV.	DATE	DESCRIPTION	BY	APP.	ASSESSMENT PRIME ENGINEERING TEL: 508.947.0050	b to .	1304801





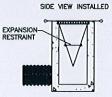
5" VERTICAL GRANITE CURB WITH 6" REVEAL NOT TO SCALE



LIGHT DUTY BITUMINOUS CONCRETE PAVEMENT NOT TO SCALE

PROVIDE PITCHED — SMOOTH CONCRETE FINISH ENCLOSURE WALL / FENCE
(TO MATCH TRASH ENCLOSURE FROM PHASE II) LINE OF FINISH GRADE SCHEDULE 40 STEEL

CONCRETE DUMPSTER PAD NOT TO SCALE



INSTALLATION DETAIL



1" REBAR FOR BAG — REMOVAL FROM INLET (REBAR NOT INCLUDED) OVERFLOY SILTSACK DUMP LOOPS -(REBAR NOT INCLUDED) NOTE: THE SILTSACK® WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK®

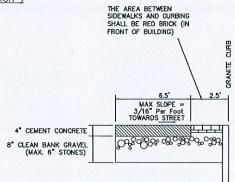
(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE	ASTM D-4632	300 LBS
STRENGTH GRAB	ASTM D-4632	20%
TENSILE ELONGATION	ASTM D-4833	120 LBS
PUNCTURE MULLEN	ASTM D-3786	800 PSI
BURST TRAPEZOID	ASTM D-4533	120 LBS
TEAR UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING	ASTM D-4751	40 US SIEVE
SIZE FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT 0.55
PERMITTIVITY	ASTM D-4491	SEC -1

 $\mbox{HI-FLOW SILTSACK} \bullet$ (for areas of moderate to heavy precipitation and run-off)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE	ASTM D-4632	265 LBS
STRENGTH GRAB	ASTM D-4632	20%
TENSILE ELONGATION	ASTM D-4833	135 LBS
PUNCTURE MULLEN	ASTM D-3786	420 PSI
BURST TRAPEZOID	ASTM D-4533	45 LBS
TEAR UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING	ASTM D-4751	20 US SIEVE
SIZE FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT 1
PERMITTIMITY	ASTM D-4491	SEC -1

DETAIL OF INLET SEDIMENT CONTROL DEVICE WITH CURB DEFLECTOR ("SILT SACK")

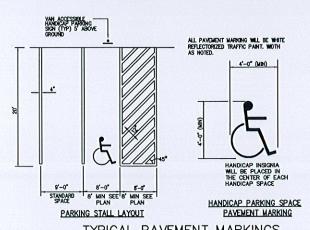


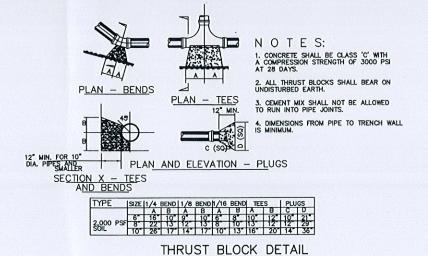
CONCRETE SIDEWALK ON EAST SIDE OF BUILDING NOT TO SCALE

DETAILS - 1 NOT TO SCALE RIVERSIDE LANDING - PHASE III NEW BEDFORD, MASSACHUSETTS JUN 20, 2013 EKW HIGHWAYVIEW LLC NEW BEDFORD, MA DESIGNED BY: P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 0234 · CIVIL ENGINEERING **(E)** ECKED BY: LAND SURVEYING ENVIRONMENTAL RJR PRIME ENGINEERING ROVED BY: PROJECT NO. DESCRIPTION REV. DATE ASSESSMENT

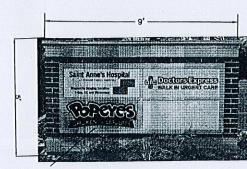
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NOT TO SCALE



POPEYE'S SIGN TO BE PLACED ON EXISTING GROUND SIGN

SIGN DETAIL NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

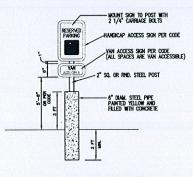
SAW CUT UNPAVED PAVENENT -EXISTING PAVEMENT B-32 48028 8028 — COMMON BACKFILL TO BE PLACED IN 12° LAYERS AND THOROUGHLY COMPACTED. STONES TO BE NO LARGER THAN 6° IN DIAMETER. COMPACTED GRAVEL BEDDING TO BE PLACED IN 6" LAYERS AND THOROUGHLY COMPACTED, STONES TO BE NO LARGER THAN 1" DIA. BED BOTTOM QUADRANT ON UNDISTURBED EARTH PIPE O.D.

NOTES:

1. IF LEDGE IS ENCOUNTERED MINIMUM CLEARING BETWEEN PIPE AND LEDGE IS 12". 2. HAUNCHING AND BEDDING TO BE CRUSHED STONE OR GRAVEL BORROW, AS DIRECTED, FOR ALL PIPE EXCEPT DUCTILE IRON. USE COMMON BACKFILL, 5° MAX. STONE SIZE FOR DUCTILE IRON.

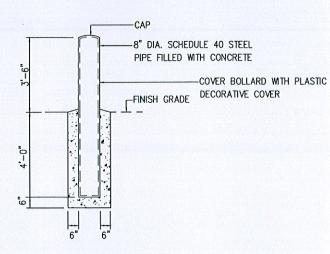
WATER MAIN TRENCH DETAIL

NOT TO SCALE



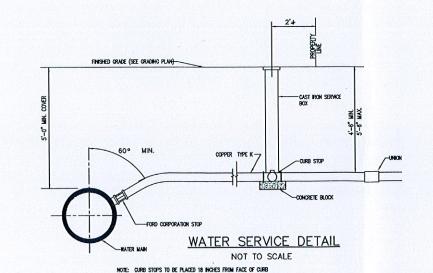
HANDICAP SIGN DETAIL NOT TO SCALE

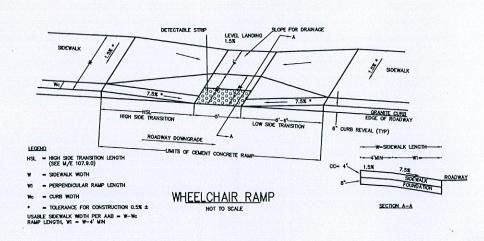
NOTE: ALL HANDICAP SPACES ON SITE SHALL BE VAN ACCESSIBLE



BOLLARD DETAIL

NOT TO SCALE





					DRAWING TITLE	DETAILS - 2		SCALE: NOT TO SCALE DATE:	SECONOMI S
					PROJECT F	RIVERSIDE LANDING — PHASI NEW BEDFORD, MASSACHUSETT		JUN 20, 2013 DRAWN BY:	The same of the sa
					CUENT	HIGHWAYVIEW LLC NEW BEDFORD, MA		DESIGNED BY:	Pilan Chea
					· CIVIL ENGINEERING · LAND SURVEYING	(E)	P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 02347	CHECKED BY:	SHEET MOX 10
REV.	DATE	DESCRIPTION	BY	APP.	· ENVIRONMENTAL ASSESSMENT	PRIME ENGINEERING	TEL: 508.947.0050 FAX: 508.947.2004	APPROVED BY: RJR	PROJECT NO. 1304801

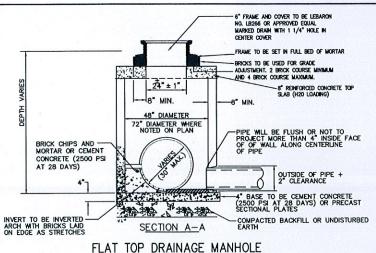
ALL UTILITY WORK SHALL BE DONE

BEDFORD DEPARTMENT OF PUBLIC

INFRASTRUCTURE CONSTRUCTION
STANDARDS AND SPECIFICATIONS

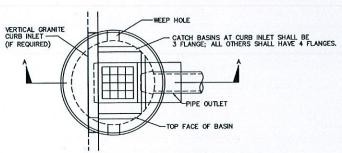
IN CONFORMANCE WITH NEW

DATED MARCH, 2012

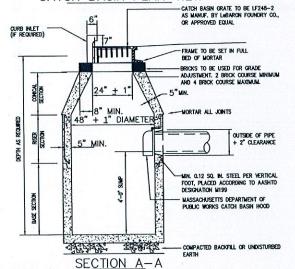


FLAT TOP DRAINAGE MANHOLE

NOT TO SCALE TO BE USED ONLY WHERE SPECIFIED ON THE PLAN VIEW



CATCH BASIN PLAN VIEW

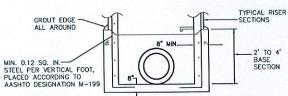


NOTES:

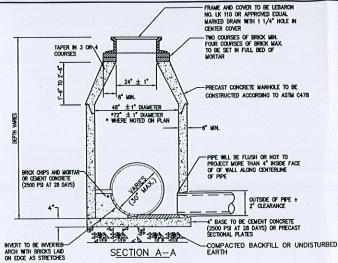
1. BRICKS TO BE USED BETWEEN TOP COURSE AND FRAME FOR GRADE ADJUSTMENT. FRAME SHALL BE SET IN FULL BED OF MORTAR. MASSACHUSETTS STANDARD CATCH BASIN HOOD SHALL BE INSTALLED ON OUTLET PIPE AS REQUIRED.

TYPICAL PRECAST CONCRETE CATCH BASIN

NOT TO SCALE

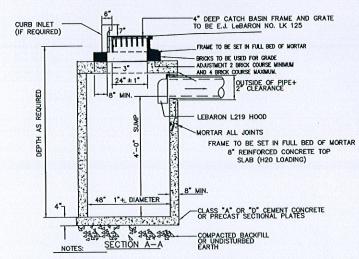


BASE DETAIL FOR MANHOLE GREATER THAN 9' IN DEPTH



DRAINAGE MANHOLE

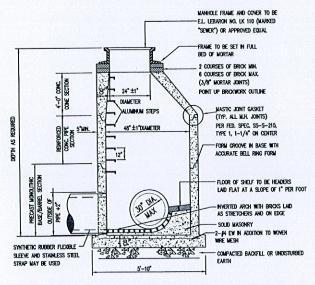
NOT TO SCALE



1. MASSACHUSETTS STANDARD CATCH BASIN HOOD SHALL BE INSTALLED ON OUTLET PIPE.

TYPICAL FLAT TOP CATCH BASIN

NOT TO SCALE



PRECAST CONCRETE SEWER MANHOLE

NOT TO SCALE

LOAM AND SEED PAVEMENT FINISH GRADE (SEE GRADING 12" MIN IN AREAS OF PAVEMENT PATCH N. BACKFILL TO BE PLACED IN 12" LAYERS AND THOROUGHLY COMPACTED. STONES TO BE NO LARGER THAN 6" IN DIAMETER. COMPACTED GRAVEL BEDDING CONTAINING STONES NO LARGER 1/3 DIA. THAN 1" DIA. CRUSHED STONE COMPACTED OR UNDISTURBED SEWER SUBCRADE TRENCH WIDTH = PIPE DIA. PLUS 12" PIPE TRENCH DETAIL NOT TO SCALE

STORMCEPTOR MAINTENANCE NOTES

Oil is removed through the 6" inspection/oil port and sediment is removed through the 24" diameter outlet riser pipe. Alternatively, oil could be removed from the 24* opening if water is removed from the treatment chamber, lowering the oil level below the drop pipes.

The depth of sediment can be measured from the surface of the Stormceptor with a dipstick tube equipped with a ball valve (Sludge Judge*). Rinker Materials recommends maintenance be performed once the sediment depth exceeds the guideline values provided in Table 8.

Table 8. Sediment Depths Indicating Required Maintenance*				
Model	Sediment Depth			
4507	8" (200 mm)			
900	8" (200 mm)			
1200	10" (250 mm)			
1800	15' (375 mm)			
2400	12" (300 mm)			
3600	17" (425 mm)			
4800	15" (375 mm)			
6000	18" (450 mm)			
7200	15" (375 mm)			
11000s	17" (425 mm)**			
13000s	20" (500 mm)**			
16000s	17" (425 mm)**			

Depths are approximate

** Depths in each structure

No entry into the unit is required for routine maintenance of the Inlet Stormceptor or the smaller disc insert models of the In-Line Stormceptor. Entry to the level of the by-pass may be required for servicing the larger in-line models. Any potential obstructions at the inlet can be observed from the surface. The by-pass chamber has been designed as a platform for authorized maintenance personnel in the event that an obstruction needs to be removed, drain flushing needs to be performed, or camera surveys are required.

Typically, maintenance is performed by the Vacuum Service Industry, a well established sector of the service industry that cleans underground tanks, sewers, and catch-basins. Costs to clean a Stormceptor will vary based on the size of the unit and transportation distances. If you need assistance for cleaning a Stormceptor unit, contact your local Rinker Materials representative, or the Rinker Materials Stormceptor Information Line at (800) 909-7763.

ALL UTILITY WORK SHALL BE DONE IN CONFORMANCE WITH NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE CONSTRUCTION

STANDARDS AND SPECIFICATIONS

DATED MARCH, 2012

OPERATION AND MAINTENANCE PLAN

STANDARD 9 OF THE DEP STORM WATER POLICY PRESCRIBES THE ADOPTION OF A FORMAL OPERATION AND MAINTENANCE PLAN TO ENSURE THAT THE STORM WATER MAINGEMENT SYSTEMS FUNCTION PROPERTY AS DESIGNED. THE FOLLOWING IS THE PROPOSED OPERATION AND MAINTENANCE PLAN FOR THE SYSTEMS:

HIGHWAYVIEW LLC 1266 FURNACE BROOK PARKWAY QUINCY, MA

PARTIES RESPONSIBLE FOR OPERATION AND MAINTENANCE: PRIOR TO ROAD ACCEPTANCE - HIGHWAYMEW LLC SUBSEQUENT TO ROAD ACCEPTANCE - CITY OF NEW BEDFORD

THE STORM WATER MANAGEMENT FACILITIES WERE DESIGNED TO REQUIRE UITLE OR NO INTERVENTION IN THE OPERATION AND TO REQUIRE LITTLE OR MAINTENANCE ONCE THE PROJECT IS BUILT AND STRABLE VECETATIVE COVER IS ESTABLISHED, HOWEVER, THE DRAINAGE MIPROVEMENTS SHALL BE SUBJECT TO THE FOLLOWING MAINTENANCE SCHEDULE:

PERIODIC MAINTENANCE

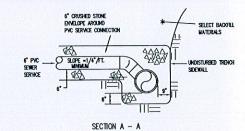
- ALL CATCH BASIN SUMPS WILL BE CLEANED A MINIMUM OF 4 TIMES PER YEAR (IF NECESSARY) AND INSPECTED MONTHLY DURING THE ACTIVE CONSTRUCTION STAGE. IN THIS CLEANING, THE ENTIRE CONTENTS OF THE SUMPS WILL BE EXCAVATED.
- STORMCEPTOR UNITS SHALL BE INSPECTED A MINIMUM OF FOUR TIMES PER YEAR AND CLEANED OUT FOUR TIMES PER YEAR IF NECESSARY.

B. NON-ROUTINE MAINTENANCE

STRUCTURAL: ALL HEADWALLS, CATCH BASINS, GRATES AND PIPES SHOULD BE INSPECTED ONCE EVERY FOUR (4) YEARS FOR PROPER FUNCTION, CLOGOING, SIGNS OF DETERIORATION AND STRUCTURAL INADEQUACY, ANY ADVERSE SITUATIONS ARE TO BE REPAIRED AS NEEDED.

C. NON-PERIODIC INSPECTION

- 1. THE STORM WATER MANAGEMENT SYSTEM SHALL BE INSPECTED
- AFTER TWO YEARS OF FULL OPERATION BY A REGISTERED PROFESSIONAL CIVIL ENGINEER TO CONFIRM ITS ADEQUACY. THE INSPECTION SHALL INCLUDE AN EXAMINATION OF ALL WATER COMPANIATION FOR EACH WATER COMPANIATION FOR SHALL WATER COMPANIATION OF THE SYSTEM AND SHALL WATER COMPANIATION OF THE SYSTEM SHALL WATER CONTESTS AND STORM CEPTOR WINTER CONTESTS AND STORM CEPTOR WINTE



EXTENO SEWER SERVICE TO 10" - 6" PVC SANITARY SEWER SERVICE CONNECTION BEYOND PROPERTY LINE AND INSTALL TEMPORARY ENDOAP. 8" x 6" TEE WIE-BENDS AS REQUIRED DA FLOW -8" PVC SANITARY A A A A A A PLAN VIEW

SANITARY SEWER SERVICE CONNECTION NOT TO SCALE

DETAILS - 3 NOT TO SCALE RIVERSIDE LANDING - PHASE III JUN 20, 2013 NEW BEDFORD, MASSACHUSETTS EKW HIGHWAYVIEW LLC NEW BEDFORD, MA RJR/ · CIVIL FNGNFFRING P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 0234. 11 RJR ENVIRONMENTAL PRIME ENGINEERING TEL: 508.947.0050 FAX: 508.947.2004 1304801 BY ASSESSMENT RJR DATE

> Case 25-16 07/15/2016