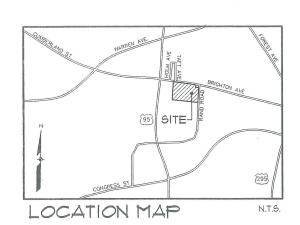
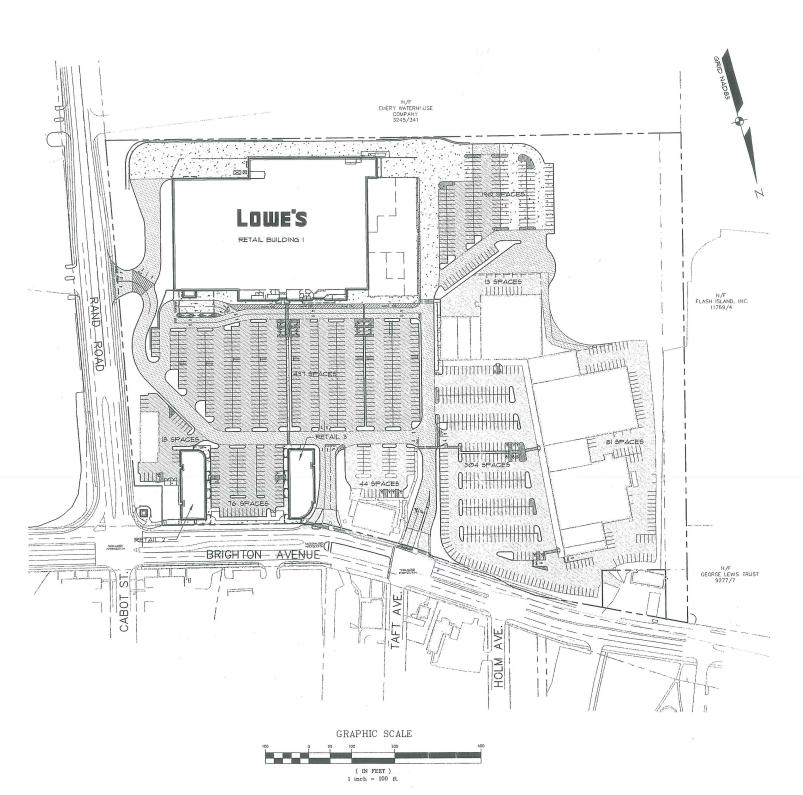
263A-A-H 1030 Brighten Ave. Dine Tree Shopping Ar. Packard Dev. 2004-0070

PINE TREE SHOPPING CENTER

PORTLAND, MAINE





OWNER:

HERITAGE SPE, LLC

C/O HERITAGE REALTY MANAGEMENT, INC. 131 DARTMOUTH STREET BOSTON, MA 02116

APPLICANT:



ONE WELLS AVENUE NEWTON, MA @2459

ENGINEER:

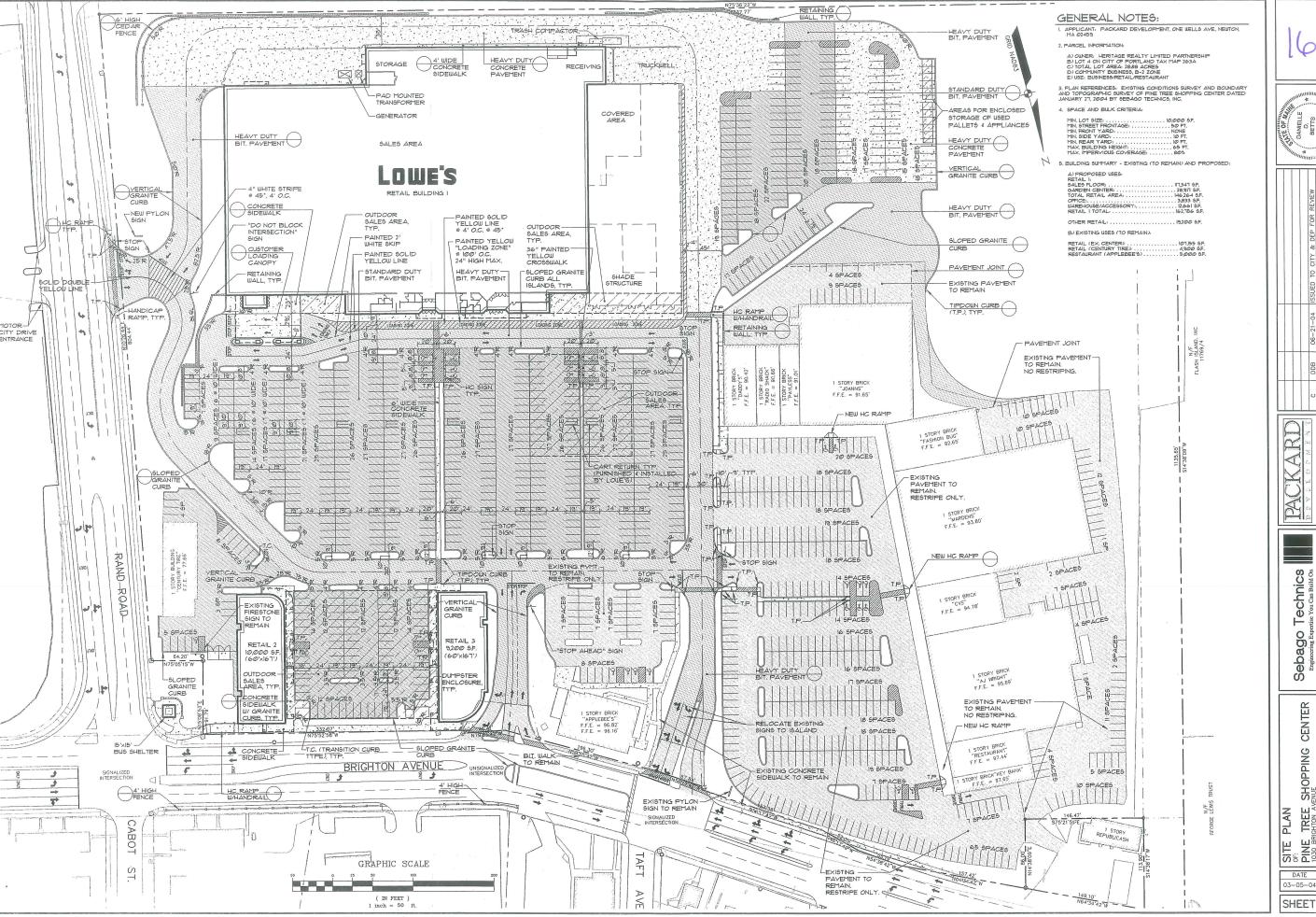
Sebago Technics





SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	EXISTING CONDITIONS / DEMOLITION PLAN
3	SITE PLAN
4	LANDSCAPE PLAN
5 (GRADING AND UTILITY PLAN
6	UTILITY AND STRUCTURE TABLES
٦	NOTES AND LEGEND
8	DETAILS
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13	DETAILS



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	THIS PLAN	SHALL NOT BE	MODIFIED WITHOUT WRITE	THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTER-

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Sebago Technics
Enginering Expertise You Can Build On
One Connections, Westernool, to 00092-1339
Tel (200) 886-0277

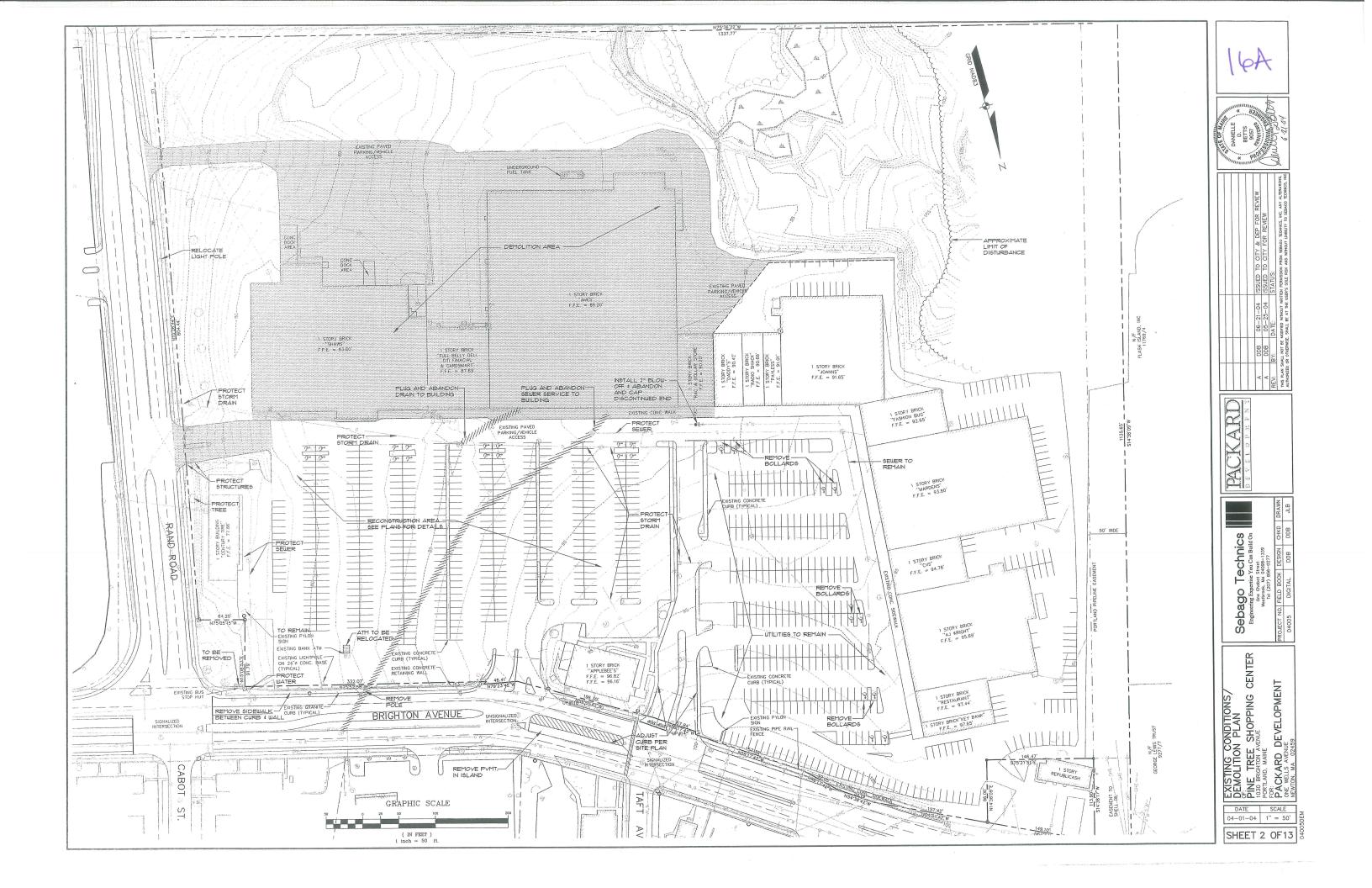
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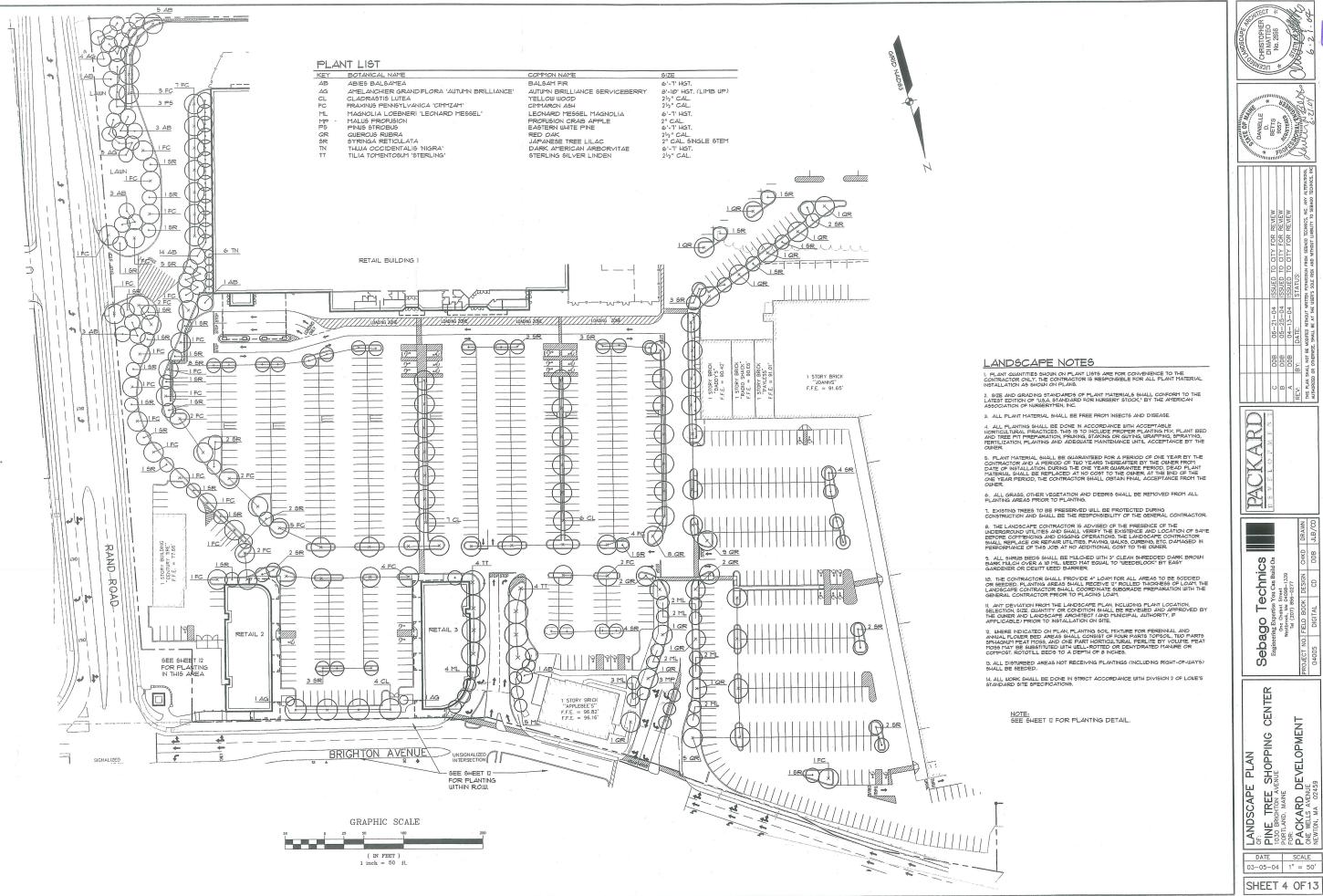
DEVELOPMENT SHOPPING TREE SHTON AV CKARD
WELLS AVENU SITE POST.

OF:
PINE TIGGO BRIGH
PORTLAND.
FOR:
PORE WELLS
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NEWTON. M.

DATE SCALE 03-05-04 | 1" = 50'

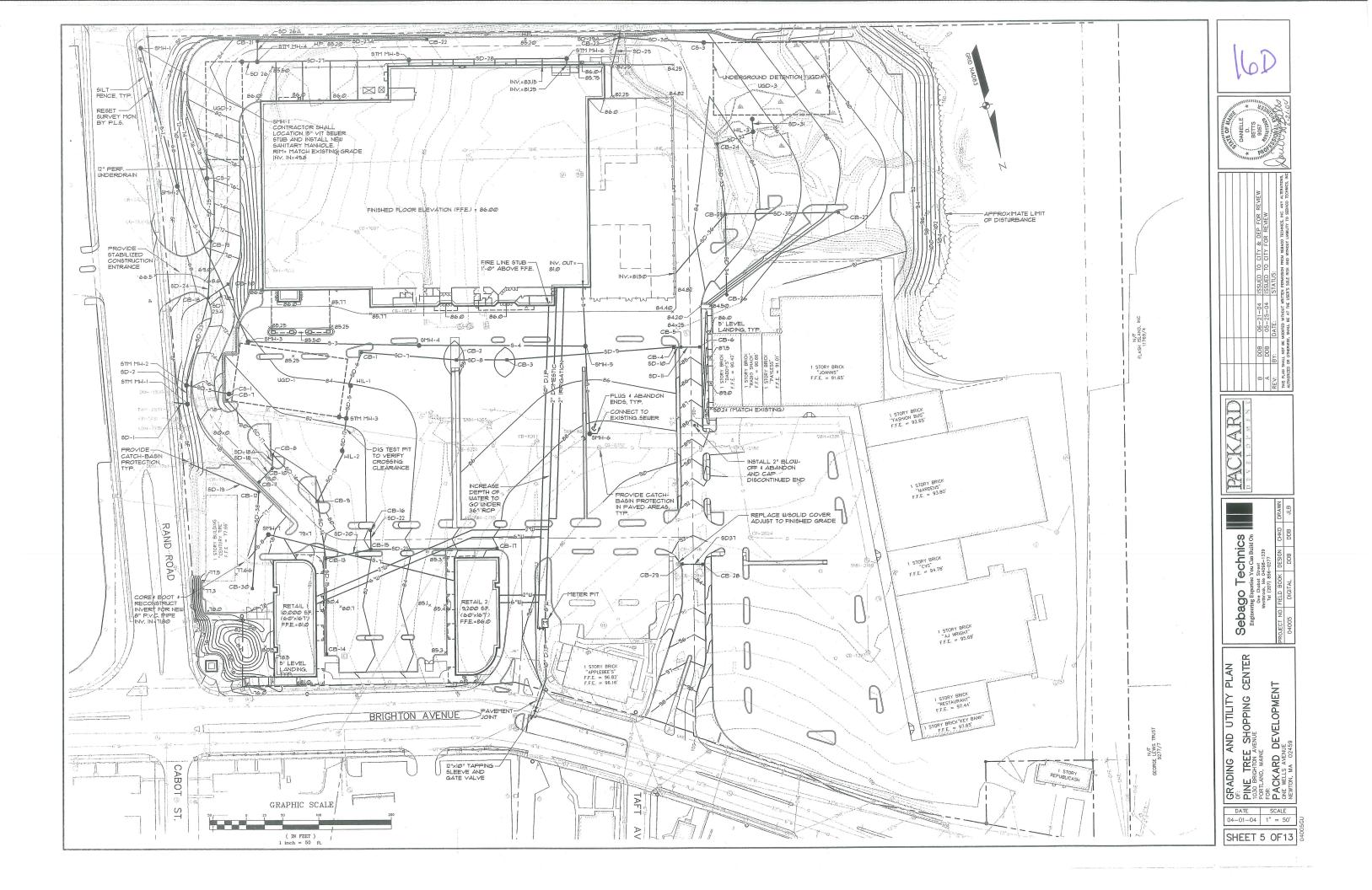
SHEET 3 OF13





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ZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE MISN AND WITHOUT LIABILITY OF SERVICE LIABILITY.	BY: DATE: STATUS: STATUS: STATUS: WE SHALL NOT BE MODIFED WHHUT WHITEN PERUSONS FROM SEBACO TECHNICS, INC. ANY ALTERATIONS IN STATUS OF SERVICE OF THE STATUS OF	SER S SOLE RISK AND WITHOUT LIABILITY TO SERVICE LEGISLOSS	SHALL BE AT THE US	D OR OTHERWSE
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1" = 50'



EXISTING SEWER MANHOLE TABLE

	_////	OL WENT	MALIOLL ITAL		
STRUCTURE	RIM	INV. IN	INV. OUT	SHELF	SUMP
SMH-1003	80.78	74.78 (8" VIT)	74.73 (8" VIT)	75.93	
SMH-1236	91.36	82.51 (8" VIT) 82.46 (8" VIT)	82.46 (8" VIT)	83.01	
SMH-1396	76.99	71.79 (4" VIT)	71.59 (8" VIT)	72.09	
SMH-2160	93.80	85.83 (8" VIT)	84.59 (8" VIT)		84.55
SMH-2715	85.68	78.48 (4" VIT) 77.63 (8" VIT)	77.53 (8" VIT)	77.78	
SMH-8350	88.40	79.60 (8" VIT) 79.70 (8" VIT)	79.55 (8" VIT)	79.90	
SMH-9102	65.23	49.73 (15" VIT) 49.53 (8" VIT)	49.23 (18" VIT)	50.13	

EXISTING STORMDRAIN STRUCTURE TABLE

-/10	11140 5	TORMORAIN	STRUCTURE	INDLL	-
STRUCTURE	RIM	INV. IN	INV. OUT	SHELF	SUMP
DMH-1265	87.11	82.97 (15" STEEL)	82.91 (15" VIT)		82.91
DMH-1764	69.89	66.14 (12" PVC)	65.74 (12" PVC)		65.39
DMH-1785	69.69	64.79 (12" PVC) 64.99 (12" PVC)	64.69 (12" PVC)		63.24
DMH-1836	68.86	60.86 (12" CMP)	60.16 (12" CMP)		60.66
DMH-1852	60.86	53.91 (15" CMP) 55.51 (48" RCP) 55.76 (12" CMP) 56.80 (12" PVC)	52.06 (48" RCP)		49.66
DMH-2529	60.75	53.75 (48" CMP) 56.05 (12" PVC)	53.45 (48" RCP)		52.55
DMH-2531	60.75	53.75 (48" SD) 51.75 (48" RCP) 53.75 (18" CMP) 55.35 (12" PVC)	51.55 (48" CMP)		51.00
DMH-2847	65.23	60.38 (12" PVC) 60.48 (12" CMP)	60.34 (12" PVC)	60.93	
CB-1007	81.20	72.30 (12" PVC)	71.95 (12" PVC)		69.50
CB-1034	79.02	73.57 (12" PVC)	73.72 (12" PVC)		71.92
CB-1293	94.61	90.86 (12" PVC) 90.81 (12" PVC)	90.76 (12" PVC)		89.61
CB-1379	94.87		92.47 (8" PVC)		92.22
CB-1717	70.97		69.47 (15" PVC)		69.37
CB-1766 & CB-1768	70.39	66.39 (12" PVC) IN 58.78 (12" SD)	66.59 (12" PVC)		65.89
CB-1781	70.26		65.21 (4" PVC)		64.26
CB-1829	65.23				
CB-1838	69.09	62.78 (42" CMP)	62.59 (48" CMP)		62.09
CB-2180	89.74	83.74 (10" RCP) 83.84 (18" RCP)	83.64 (24" RCP)		82.64
CB-2284	93.40		89.90 (18" CPP)		89.90
CB-2398	93.06	88.91 (18" CPP)	88.76 (18" CPP)		88.76
CB-2713	75.60		70.80 (12" PVC)		69.15
CB-2824 ĕ	91.69	84.99 (12" RCP) 85.09 (14" RCP)	84.79 (18" RCP)		84.59
CB-8251	84.75	80.98 (15" CMP) 77.35 (36" VIT)	77.40 (42" CMP)		76.45
CB-8317	87.52		84.47 (15" PVC)		82.97
CB-8352	88.21	82.57 (12" VIT) 81.32 (24" RCP)	81.07 (36" RCP)		80.01
CB-8420	64.80	59.90 (12" PVC)	59.80 (12" STEEL)		59.30

PROPOSED SEWER MANHOLE TABLE

STRUCTURE	RIM	INV. IN:	INV. OUT
SMH-1	' 62.5 ±	49.9	D 49.7
SMH-2	68.0	58.52	58.42
5MH-3 6' DIA (DROP)	84.70	T2.8T	68.82
SMH-4	8530	74.72	74.62
SMH-5	85.2	76.50	76.40
SMH-6	88.3	79.60	19.50

APPROXIMATE ELEVATION MATCH EXISTING OR PROPOSED GRADE
 THIS ELEVATION IS BASED ON CITY OF PORTLAND DESIGN PLAN
 DATED 10-24-69 THE CONTRACTOR SHALL VERIFY ELEVATION.

PROPOSED SEWER PIPE TABLE

PIPE	SIZE (IN)	LENGTH (FT)	SLOPE (FT/FT)
5-1	8" .	192'	.0444
5-2	8"	23@'	.0448
5-3	8"	233'	.0075
5-4	8"	224'	.0075
5-5	8"	80'	.056
5-6	8"	116'	.0258

PROPOSED STORMDRAIN STRUCTURE TABLE PROPOSED STORMDRAIN PIPE TABLE

STRUCTURE	RIM	INV. IN	STRUCTURE
STM MH-I			INV. OUT
1' DIA. (DROP) STM MH-2	74.0	62.78	58.79 (48")
6' DIA.	74.0	63.12	63.02
CS-I	80.5	74.90	72.90
STM TECH-I		75.90	75.90
STM MH-3		76.07	75.97
HIL-I		75.56	77.06
CB-I		75.91	75.81
CB-2		77.29	<i>e</i> 1.FF
CB-3	84.7	78.05	77.95
CB-4	84.6	79.28	81.er
CB-5	84.6	79.48	79.38
CB-6	84.6		79.72
HIL-2		74.77	76.27
CB-T			762
CB-8		75.73	75,63
CB-9		75.20	75.13
CB-10	T.8.T	75.8	75.8
CB-II	T8.T		76.91
CB-12	76.5	72.6	72.5
CB-13	T.er	75.68	75.58
CB-14	T.er		76.31
CB-15	81.9	76.36	76.26
CB-16	81.9		76.6
CB-I7	87.9		82.4
CB-18	6930	6626 (12"SD) 6438	6428
CB-19	71.0	6524	65.14
CB-20	69.50	5.4.8	66.40
C5-2	78.0	72.50	72.0
STM TECH-2	84.6	73.67	13.51
STM MH-4	84.7	73.94	73.84
STM MH-5	85.8	76.09 (12"SD) 78.78	78.68
STM MH-6	85.8	810	80.9
		783	78.2
CB-21	842	203	
CB-22	84.5		80.6
CB-23	84.5	80.00	79.9
C5-3	85.4	80.00	80.00
HIL-3	84.8	78.57	80.01
CB-24	83.5	78.92	78.82
CB-25	83.0	19.50	79.40
CB-26	89.5		81.94
CB-27	88.8		83.1
CB-28	93.4		90.0
CB-29	93.4	89.86	EX. 5D TO CB-2398
CB-30	76.75		73.25

PE	SIZE (IN)	LENGTH (FT)	SLOPE (FT/FT)
SD-I	48"	14'	36
SD-2	36"	24'	.01
SD-3	24"	53'	.1845 (TO CONTROL STRUCTURE)
SD-4	24"	6'	.0117
SD-5	24"	42'	.0236
SD-6	18"	41'	.006
SD-7	18"	126'	.01
SD-8	18"	66'	.01
SD-9	15"	226'	.005
SD-10	15"	6'	.ØI
SD-II	12"	24'	.01
SD-12	24"	40'	.005
SD-13	18"	13'	.005
SD-14	15"	76'	.005
SD-15	12"	126'	.005
SD-16	15"	86'	.005
SD-I7	12"	93'	.005
SD-18	12"	22'	.005
SD-18A	12"	14'	.005
SD-19	12"	96'	.06
SD-20	12"	58'	<i>.</i> ØI
SD-21	12"	168'	<i>Ø</i> 36
SD-22	12"	24'	ØI
SD-23	24"	116'	ØI
SD-24	18"	76'	<i>.</i> ØI
SD-25	18"	90'	Ø15
SD-26	24"	16'	<i>Ø</i> 2
SD-26A	12"	22'	.096
SD-27	24"	206'	. Ø23
SD-27A	12"	230'	.01
SD-28	18"	212'	.ØI
5D-29	6"	200'	.005
5D-30	18"SD	110'	000
SD-30A	6"DI	40'	TO BE FIELD DETERMINED
SD-31	24"	20'	000
SD-32	18"	50'	.005
SD-33	15"	96'	<i>.00</i> 5
SD-34	12"	106'	.Ø23
SD-35	12"	150'	<i>.</i> 028
SD-36	12"	90'	.023
SD-37	12"	28'	.005
SD-38	12"	130'	005





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			Tina.	ISSUED TO CITY & DEP FOR REVIEW 3	ISSUED TO CITY FOR REVIEW	STATUS:	HIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LABIULY TO SEBAGO TECHNICS, INC
				06-21-04	05-25-04	DATE:	MODIFIED WITHOUT WRITT E, SHALL BE AT THE USE
				900	BOG	BY:	HALL NOT BE OR OTHERWISE
				ш	A	REV:	THIS PLAN S AUTHORIZED

Sebago Technics
Engineering Experties You Can Build On On Chools Street
Westbrook, Me 04099-1339
Tel (207) 856-0277

STRUCTURE TABLES

OF:
1030 BRIGHTON AVENUE
1030 BRIGHTON AVENUE
1030 BRIGHTON AVENUE
1030 CENTER
1030 BRIGHTON AVENUE

SHEET 6 OF13

GENERAL NOTES:

I, THE FACILITY IS SERVICED BY CITY SEWER, WATER, GAS, UNDERGROUND ELECTRIC, TELEPHONE AND CABLE.

2. METHODS AND MATERIALS USED IN THE CONSTRUCTION OF THE IMPROVEMENTS HEREIN SHALL CONFORM TO THE CURRENT CITY CONSTRUCTION STANDARDS AND SPECIFICATIONS AND/OR CURRENT MD.O.T. STANDARDS AND SPECIFICATIONS.

3. THE CONTRACTOR OR DEVELOPER 15 REQUIRED TO NOTIFY THE CITY OF PORTILAND PARKS AND PUBLIC WORKS INSPECTION SERVICES DIVISION IN WIRTING THREE (3) DAY'S PRIOR TO THE BERNIND OF CONSTRUCTION (614-6360 EXT. 8638). SHOULD THE IMPROVEMENTS BE OF SIGNIFICANT CONCERN OR IN A SENSITIVE AREA, A PRE-CONSTRUCTION HEETING HAT DE REQUIRED AT THE DISCRETION OF THE PUBLIC WORKS AUTHORITY.

4. 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

5. WARNING SIGNS, MARKERS, BARRICADES OR FLAGMEN, APPROPRIATE FOR THE TYPE OF CONSTRUCTION MUST BE EMPLOYED TO REGULATE

6. CONSTRUCTION OR DEMOLITION DEBRIS SHALL BE CONTAINERIZED AND DISPOSED OF IN ACCORDANCE WITH CITY OF PORTLAND'S SOLID WASTE ORDINANCE CHAPTER IS

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

8. PROPERTY MARKERS AND STREET LINE MONUMENTS SHALL BE

9. ALL SANITARY SERVICES AND APPURITENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT STANDARDS. SPECIFICATIONS OF THE CITY OF FORTLAND PARKS AND PUBLIC WORKS SEUER DIVISION.

IO, ALL NEW CONNECTIONS, RECONNECTIONS, ETC. TO SANITARY OR STORM SEWERS SHALL REQUIRE A CONNECTION PERMIT PRIOR TO BEGINNING ANY WORK. THE CITY OF PORTLAND PARKS AND FUBLIC WORKS DEPARTMENT MUST BE NOTHERD AT LEAST 24 HOURS PRIOR TO COMPRISEDENT TO ALLOW POR INSPECTION.

II, A PERMIT MUST BE OBTAINED FROM THE CITY OF PORTLAND PARKS AND PUBLIC WORKS DEPARTMENT PRIOR TO BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.

12. THE ENTIRE SITE SHALL BE DEVELOPED AND/OR MAINTAINED AS DEPICTED ON THE SITE PLAN. APPROVAL OF THE FLANNING AUTHORITY OR PLANNING BOARD SHALL BE REQUIRED FOR ANY ALTERATIONS TO OR DEVIATIONS FROM THE APPROVED SITE FLAN, INCLUDINS, WITHOUT LIMITATION, TOPOGRAPHY, DRAINAGE, LANDSCAPING, RETENTION OF WOODED OR LAWN AREAS, ACCESS SIZE, LOCATION AND SURFACING OF PARKING AREAS, AND LOCATION AND SURFACING OF

SITE DEMOLITION NOTES

I. ALL EXISTING FEATURES AND UTILITIES SHOUN HEREON ARE BASED ON A FIELD SURVEY OF ABOVE GROUND FEATURES ON-SITE AND AS-BUILT PLANS FOR RAND ROAD AND BRIGHTON AVENUE. THE CONTRACTOR SHALL FIERFORM AN ABOVE GROUND VISUAL INSPECTION PRIOR TO CONSTRUCTION TO COMPRIST THE AVAILABLE INFORTIATION AND FOTHER THE AVAILABLE OF THE AVAIL

UTILITIES SHOUN HEREON MAY OR MAY NOT CONSTITUTE ALL UTILITIES ON OR ADJACENT TO THIS SITE. THE INDICATED PIPE SIZES, VALVES, STRUCTURES AND MATERIALS HAVE NOT BEEN VERIFIED FOR ANY UTILITIES SHOUN.

3. SITE DEMOLITION WORK SHALL BE PHASED AND SHALL INCLUDE SURFACE DEMOLITION AND SUBSURFACE DEMOLITION OF EXISTING FOUNDATIONS (IF ENCOUNTERED) AND UTILITY LINES.

4. ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF THE PROPOSED MORK (INLESS SHOW) TO REMAIN) SHALL BE DEMOLISHED. THIS INCLUDES EXISTING PAVING, CURBING, SIDEWALKS AND AGGREG BASE TO THE EXTENT NECESSARY TO SUPPORT THE PROPOSED

5. THE CONTRACTOR IS ENCOURAGED TO SAVE AND REUSE OR RECYCLE MATERIALS FROM THE DEMOLITION AREAS, INCLUDING RECYCLING OF PAVEMENT AND CONCRETE, VERTICAL GRANITE CURB, SIGNS, SITE PURISHINGS, AND OTHER MATERIALS.

1. EXISTIMS UTILITY LINES (OPERATIVE OR ABANDONED) LOCATED WITHIN THE AREA OF THE PROPOSED BUILDINGS SHALL BE REPOVED, SITE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILING AND COMPACTING THE RESULTANT TRENCHES AS APPROPRIATE TO SUPPORT THE PROPOSED DESIGN.

8. PLUG OPENINGS IN CATCH BASINS LEFT BY REMOVED STORM DRAIN PIPE WITH BRICK AND MORTAR

9. PLUG OPENINGS IN SANITARY MANHOLES LEFT BY REMOVED SEWER LINES WITH BRICK AND MORTAR.

WINTER CONSTRUCTION NOTES

THE WINTER CONSTRUCTION PERIOD IS PROM NOVEMBER I THROUGH APRIL IS. IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAYEMENT, A ROAD ROAD TO THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAYEMENT, A ROAD IS. THE THE SITE NEEDS TO BE PROTECTED WITH OVER-WINTER STABILIZATION, AM AREA CONSIDERED POPEN IS ANY AFEA NOT STABILIZED WITH PAYEMENT, VEIGETATION, MILICAINS, EROSION CONTROL MATS, RIPRAPOR GRAVEL BASE ON A ROAD STABILIZED WITH PAYEMENT, VEIGETATION, MILICAINS, EROSION CONTROL MATS, RIPRAPOR GRAVEL BASE ON A ROAD STABILIZED.

WINTER EXCAVATION AND EARTHWORK SHALL BE COTPILETED SUCH THAT NO MORE THAN LACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE THE LIMIT THE EMPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BE UNDER TAKEN DURING THE PROCEEDING IS DAT'S AND TICAN BE THILLENED IN ONE DAY PRIOR TO ANY SOMU EXPLICITED IN ONE DAY FRIOR TO ANY SOMU EXPLINED IN ONE DAY FRIOR TO ANY SOMU EXPLINED.

. AREAS SHALL BE CONSIDERED TO BE DENUDED UNTIL THE SUBBASE AVFL. IS INSTALLED IN ROADWAY AREAS, OR THE AREAS OF FUTURE LO AND SEED HAVE BEEN LOAMED, SEEDED AND MILCHED. HAY AND STRAW MILCH RATE SHALL BE A MINIMM OF 150 LBS/1,000 5F. (3 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED.

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.

SOIL STOCKPILES

STOCKPILES OF SOIL OR SUBSOIL WILL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT MUCE THE MORPHIL RATE OR A WIND HAY BY THE APPLICATION OF THE ACRES OR WITH A FOUR-NICH LAYER OF WOODWASTE BENSOIN CONTROL HIZ. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RANFALL OR SNOWFALL.

ANY SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 1000 FEET FROM ANY NATURAL RESOURCES.

2. NATURAL RESOURCES PROTECTION

ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 15% MATURE YEGETATION CATCH, SHALL BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING, OR PROTECTED WITH EROSION CONTROL MATS.

DURING WINTER CONSTRUCTION, A DOUBLE LINE OF SEDIMENT BARRIERS (IE, SILT FENCE BACKED WITH HAY BALES OR EROSION CONTROL MIX) WILL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA.

POJECTA CROSSING THE NATIONAL PROJECT SHALL BE PROTECTED A PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE HYGHELED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE RESOURCE. EXISTING PROJECTS NOT STABILIZED BY DECEMBER I SHALL BE PROTECTED WITH THE SECOND LINE OF SEDIMENT BARRIER TO ENSURE FUNCTIONALITY DURING THE SPRING THAW AND RAINS.

3. SEDIMENT BARRIERS

4. MULCHING

ALL AREAS SHALL BE CONSIDERED TO BE DENIDED UNTIL AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND TALLCHED. HAY AND STRAW INLICH SHALL BE APPLIED AT A RATE OF 180 LB. FER 1800 SF., OR 3 TONS/ACRE (TWICE THE NORTHAL ACCEPTER RATE OF TS-LBANCHOSED). OR IS TONSACRE? AND SHALL BE PROPERLY.

AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN MULCHED WITH STRAW OR HAY AT A RATE OF BIO LB, PER 1000 SF, (3 TONSACRE) AND ADEQUATELY ANCHORED SO THAT GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH.

BETIJEEN THE DATES OF NOVENBER I AND AFRIL IS, ALL MULCH SHALL, BE ANCHORED BY EITHER FEG LINE, MILCH NETTINS, ASPHALT EMULSION, CHEMICAL, TRACK, OR WOOD CELLULIOSE TIBER IM-EN GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH, THEN COVER IS SUFFICIENT.

AFTER NOVEMBER 15T, MULCH AND ANCHORING OF ALL BARE SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORK DAY.

5. MULCHING ON SLOPES AND DITCHES

SLOPES SHALL NOT BE LEFT EXPOSED FOR ANY EXTENDED TIME OF WORK SUSPENSION UNLESS FULLY MULCHED AND ANCHORED WITH PEG AND NETTING, OR WITH EROSION CONTROL BLANKETS.

MULCHING SHALL BE AFFLIED AT A RATE OF 230 LB5/1000 SF. ON ALL SLOPES GREATER THAN 8%. MULCH NETWING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3%, FOR SLOPES EXPOSED TO DIRECT WINDS, AND FOR ALL OTHER SLOPES GREATER THAN 8%.

EROSION CONTROL BLANKETS SHALL BE USED IN LIEU OF MULCH IN ALL DRAINAGE WAYS WITH SLOPES GREATER THAN 8%.

EROSION CONTROL MIX CAN BE USED TO SUBSTITUTE EROSION CONTROL BLANKETS ON ALL SLOPES EXCEPT DITCHES.

BETWEEN THE DATES OF OCTOBER IS AND APRIL I, LOAM OR SEED WILL BETUEEN THE DATES OF OCTOBER IS AND AFRIL I, LOAT OR SEED WILL NOT BE REQUIRED, DURING PERIODS OF ABOVE FREEZENS AND EITHER NOT BETWEEN AND BETHER FROM THE STATE OF THE SECOND S

IF DORMANT SEEDING IS USED FOR THE SITE, ALL DISTURBED AREAS SHALL RECEIVE 4" OF LOAM AND SEED AT AN APPLICATION RATE OF 5 LBS/10000 5. ALL AREAS SEEDED DURING THE WINTER WILL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH, ALL AREAS SUFFICIENTLY VEGETATED (LESS THAN TAS). 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.

1 TRENCH DEHIATERING AND TEMPORARY STREAM DIVERSION

WATER FROM CONSTRUCTION TRENCH DEWATERING OR TEMPORARY STREAM DIVERSION WILL PASS FIRST THROUGH A FILTER BAS OR SECONDARY CONTAINERS TREACHER E.G. AN ALLE SEE SELECTED TO AVOID FLOODING, ICHIG, AND SEDMENT DISCHARGES TO A PROTECTED RESOURCE, IN NO CASE SHALL THE FILTER BAS OR CONTAINMENT STRUCTURE BE LOCATED WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE.

8. INSPECTION AND MONITORING

MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON AFTER EACH RANFALL, SNOW STORM OF PERIOD OF THAINING AND RANGET, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO ENSURE THEIR CONTINUOUS FUNCTION.

FOLLOWING THE TEMPORARY AND OR FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL IN THE SPRING INSPECT AND REPAIR ANY DATAGES AND/OR UNESTABLISHED SPOTS, ESTABLISHED VEGETATIVE COVER HEAMS A MINISHING OF 85 TO 30 PERCENT OF AREAS VEGETATED WITH VIGOROUS GROWIN.

STANDARDS FOR TIMELY STABILIZATION OF CONSTRUCTION SITES DURING

. STANDARD FOR THE TIMELY STABILIZATION OF DITCHES AND CHANNELS: THE APPLICANT WILL CONSTRUCT AND STABILIZE ALL STONE-LINED DITCHES AND CHANNELS ON THE SITE BY NOVEMBER IS, THE APPLICANT WILL CONSTRUCT AND STABILIZE ALL GRASS-LINED DITCHES AND CHANNELS ON THE SITE BY SEPTEMBER IS, IF THE APPLICANT FAILS TO STABILIZE A DITCH OR CHANNEL TO BE GRASS-LINED BY SEPTEMBER IS, THE APPLICANT FAILS TO STABILIZE A DITCH OR CHANNEL TO BE GRASS-LINED BY SEPTEMBER IS, THEN THE APPLICANT WILL TAKE ONE OF THE COLLOWING ACTIONS TO STABILIZE THE DITCH FOR LATE FALL AND WINTER:

INSTALL A SOD LINING IN THE DITCH: THE APPLICANT WILL LINE THE DITCH WITH PROPERLY INSTALLED SOD BY GOTOBER! I PROPER THE SOL WITH WIDE PINS, POLITICAL THE SOD TO GLIBARMITE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, WATERING THE SOD TO PROHOTE ROOT GROUTH INTO THE DISTURBED SOIL, AND ANCHORING THE SOD WITH JUTE OR PILASTIC HEIGHT TO PREVENT THE SOD STRIPS FROM SLOGHING DURING LINE COULD CONTINUE.

INSTALL A STONE LINING IN THE DITCH. THE APPLICANT WILL LINE THE DITCH WITH STONE RIPEAP BY NOVEMBER IS. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHIN THE DITCH. IF NECESSARY, THE APPLICANT WILL, REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.

2. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES:
THE APPLICANT WILL CONSTRUCT AND STABILIZE STONE-COVERED
SLOPES BY NOVEMBER IS. THE APPLICANT WILL SEED AND MILCH ALL
SLOPES TO BE VEGETATED BY SEPTEMBER IS. THE DEPARTMENT WILL
CONSIDER ANY AREA HAWING A GRADE GREATER THAN IS'N. TO
BE A SLOPE. IF THE APPLICANT FALLS TO STABILIZE ANY SLOPE TO BE
VEGETATED BY SEPTEMBER IS. THEN THE APPLICANT WILL TAKE ONE
OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL
AND WINTERS.

STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS. BY OCTOBER I, THE APPLICANT WILL SEED THE DISTURBED SLOPE WITH WITHER RYE AT A SEEDING RATE OF 3 POUNDS PER 1800 SQUARE REET AND APPLY EROSION CONTROL MATS OVER THE VOER THE NEW THE SEED OF THE REST OF THE SEED OF THE THE NOVER THE NEXT 30 DATS. IT THE RYE FALLS TO GROW AT LEAST THREE NOVEMBER IT, THEN THE APPLICANT WILL COVER THE NOTE OF THE OFTEN AND THE SEED OF WITH A LATER OF WOODWASTE COMPOST AS DESCRIBED IN ITEM IN OF THIS CONDITION OR WITH STONE RIPRAF AS DESCRIBED IN ITEM IN OF THIS

STABILIZE THE SLOFE WITH FOOT THE APPLICANT WILL STABILIZE THE DISTURBED SLOFE WITH PROPERLY IN PRAILER OF BY POTCHESE IN PRAILER OF WITH STABILIZE THE DISTURBED SLOFE WITH WHITE PINS, ROLLING THE SOOT OF QUARANTEE CONTACT BETWEEN THE SOOT OF MICHOEVER PROPERTY IN SOOIL, AND WATERING THE SOOT OF PREMOTE ROOT GROWTH NOT THE DISTURBED SOIL. THE APPLICANT WILL NOT USE LATE-SEASON SOOI INSTALLATION TO STABILIZE SLOFES HAVING A GRADE GREATER THAN 35', CHAIVY.

STABILIZE THE SLOPE WITH WOODWASTE COMPOST. THE APPLICANT WILL PLACE A SIX-INCH LATER OF WOODWASTE COMPOST ON THE SLOPE BY NOVEMBER IS. PRIOR TO PLACING THE WOODWASTE COMPOST ON THE APPLICANT WILL REPOVE ANY SNOW ACCUPIL ATTON WOODWASTE OFFOST TO STABILIZE SLOPES HAVES GRADES GREATER THAN 50% (ZHIV) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

STABILIZE THE SLOPE WITH STONE RIPRAP: THE APPLICANT WILL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER IS. THE APPLICANT WILL HIRE A REGISTERED FOROFSSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY AND TO DESIGN A FILTER LAYER FOR WINDERSATH THE RIPRAP.

3. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS. BY SEPTEMBER IS, THE APPLICANT WILL SEED AND MULCH ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN IPS., IF THE APPLICANT FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE APPLICANT WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER:

FOR LATE FAIL AND UNITED STABILIZE THE SOIL WITH TEMPORARY VEGETATION. BY OCTOBER I, THE AFFILCANT WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS FER 1000 SOUAKE REFEL LIGHTLY MILLOW THE SEEDED SOIL WITH HAY OR STRAW AT 15 POUNDS FER 1000 SOUAKE REFET, AND ANCHOR THE MULLOW WITH PLASTIC NETTING. THE AFFILCANT WILL MONITOR GROWNTH OF THE RYE OVER THE NEXT 30 DAYS, IF THE RYE FAILS GROW AT LEAST THREE NOVER OR COVER AT LEAST 15% OF THE DISTURBED SOIL BEFORE NOVEMBER IS, THEN THE AFFILCANT WILL MILLOW THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM III OF THIS STANDARDY.

STABILIZE THE SOIL WITH SOD: THE APPLICANT WILL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER I PROPER INSTALLED SOD BY OCTOBER I PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOO NOT THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.

STABILIZE THE SOIL WITH MULCH. BY NOVEMBER IS, THE APPLICANT WILL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST ISO POUNDS PER I/DOS SOULARE FEET ON THE ARE THAT NO SOIL. IS VISIBLE THROUGH THE MULCH. PRIOR TO APPLYING THE MULCH THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. INMEDIATELY AFTER APPLICANT WILL ARCHOR THE MULCH. THE MULCH THE MULCH. THE APPLICANT WILL ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND PROM HOVING THE MULCH OFF THE DISTURBED SOIL.

CONSTRUCTION NOTES

1. ALL WORK SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES.

2. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIM OR HERSELF UITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL HAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIM OR HERSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONTINUES AND DIMENSIONS AND CONFIGURE FROM TO PROCEEDING UITH CONSTRUCTION, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BYGINEER PRIOR TO THE CONFIGURATION ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BYGINEER PRIOR TO THE CONFIGURATION FOR THE BYGINEER PRIOR TO THE CONFIGURATION OF THE BYGINEER PRIOR TO THE CONFIGURATION OF THE BYGINEER PRIOR TO THE CONFIGURATION OF

B. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL PRODUCTS OR TEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND IN THE FIELD

4. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANIFACTURER'S RECOMMENDATIONS AND QUINER'S REQUIREMENTS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL, ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.

6. CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMEN DEPOSITED ON PUBLIC STREETS, SIDEWALKS, ADJACENT AREAS, OR OTHER PUBLIC WAYS DUE TO CONSTRUCTION.

1. CONTRACTOR SHALL INCORPORATE PROVISIONS AS NECESSARY IN CONSTRUCTION TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES, AND MAINTAIN STIE STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL CONDITION AND AS DIRECTED BY DESION DEALINISM.

8. SITE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.

9. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH "MAINE EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION. BEST MANAGEMENT FRACTICES" PUBLISHED BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND HAND DEPARTMENT OF ENVIRONMENTAL PROTECTION HARCH 1991 OR LATEST EDITION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL PILAN AT ALL TIMES.

FLAM AT ALL TITIES.

10. THE CANTRACTOR IS HEREBY CAUTIONED THAT ALL SITE FEATURES SHOUN HEREON ARE BASED ON PIELD OBSERVATIONS BY THE SUNFERY AS MADE AS BY THE SUNFERY AS MADE AND THAT SHOWN FOR THAT THE SUNFERY AS THAT THE SENSE SHALL CONTRACTOR SHALL SENSE SHALL SHALL CONTRACTOR SHALL SHALL CONTRACTOR SHALL SHE SEPSONSIBLE AS CONTRACTORS SHALL SHE SEPSONSIBLE AND THE THE REQUIREMENTS OF 25 TROW 3560-CA. IT SHALL CONTRACTORS SHALL SHE SEPSONSIBLE AND WE SHALL SHAL

II. ALL PAVEMENT MARKINGS AND DIRECTIONAL SIGNAGE SHOUN ON THE PLAN SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.

12. ALL PAVEMENT JOINTS SHALL BE SAUCUT PRIOR TO PAVING TO PROVIDE A DURABLE AND UNIFORM JOINT.

13, NO HOLES, TRENCHES OR STRUCTURES SHALL BE LEFT OPEN OVERSIGHT IN ANY EXCAVATION ACCESSIBLE TO THE PUBLIC OR IN PUBLIC RIGHTS-OF-UAY.

H, ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL REQUIRE A MOLOT, PERMIT AS WELL AS PERMITS FROM THE MUNICIPALITY AS APPLICABLE.

IS, THE PROPOSED LIMITS OF CLEARING SHOUN HEREON ARE APPROXIMATE BASED UPON THE PROPOSED LIMITS OF SITE GRADING, THE APPLICANT RESERVES THE RIGHT TO PERFORM NORMAL FOREST MANAGEMENT ACTIVITIES OUTSIDE OF THE CLEARING LIMIT AS SHOUN. THERE REMOVAL OUTSIDE OF THE LIMITS OF CLEARING MAY BE NECESSARY TO REMOVE DEAD OR DYING TREES OR THEEL LIMIS SHOULD SEND OR DYING TREES OR TREE LIMITS THE PROPOSE DEAD OR DYING TREES OR TREE LIMITS THE PROPOSE TO BE OF THE LIMITS AND THE PROPOSE TO SET OF THE STATE OF THE LIMITS AND THE PROPOSE TO SET OF THE STATE OF THE LIMITS AND THE PROPOSE TO SET OF THE STATE OF

16. IMMEDIATELY UPON COMPLETION OF CUTS/FILLS, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH EROSION CONTROL NOTES AND AS SPECIFIED ON PLANS.

IT THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REPMOVAL, REFLACEMENT AND RECTIFICATION OF ALL DAMAGED AND DETECTIVE MATERIAL AND WORKMANSHIP IN CONNECTION WITH THE CONTRACT WORK. THE CONTRACTOR SHALL REFLACE OR REPAIR AS DIRECTION BY THE OWNER ALL SUCH DAMAGED OR DETECTIVE MATERIALS WHICH APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.

I8, ALL WORK PERFORMED BY THE GENERAL CONTRACTOR AND/OR TRADE SUBCONTRACTOR SHALL CONFORM TO THE REGUIREMENTS OF LOCAL, STATE OR FEDERAL LAWS, AS WIELL AS ANY OTHER GOVERNING REGUIREMENTS, WHETHER OR NOT SPECIFIED ON THE

13. WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL CULLIFTING TERMS ARE USED IN THESE NOTES, IT SHALL BE UNDERSTOOD THAT REFLERNCE IS HADE TO THE RULING AND JUDGETENT OF SEDAGO

20. THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSAR PROTECTION FOR THE WORK UNTIL TURNED OVER TO THE OWNER.

21. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES.

22. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY CHANGES AND DEVIATION OF APPROVED PLANS NOT AUTHORIZED BY THE ARCHITECT/ENGINEER AND/OR CLIENT/OUNER. 23, DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN, ANY MODIFICATION TO SUIT FIELD DIMENSION AND CONDITION SHALL BE SUMMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY WORK.

24, BEFORE THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND MATERIALS, REPAIR OR REPLIACE PRIVATE OR RUBLIC PROPERTY UHICH MAY HAVE BEEN DAMAGED OR DESTROYED DURING CONSTRUCTION CLEAN THE AREAS WITHIN AND ADJACENT TO THE PROJECT WHICH HAVE DEEN OBSTRUCTED BY HIS/HER OPERATIONS, AND LEAVE THE PROJECT AREA NEAT AND PRESENTABLE.

EROSION AND SEDIMENTATION CONTROL NOTES

A. PRE-CONSTRUCTION PHASE

PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, FILTER FABRIC FENCING (SILT FENCE) WILL BE STAKED ACROSS THE SLOPE(S), ON THE CONTOUR AT OR JUST BELOW THE LIMITS OF CLEARING OR GRUBBING, AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE OR MULTERCOURSE TO FROTECT AGAINST CONSTRUCTION RELATED EROSION, THE PLACEMENT OF SILT FENCES SHALL BE COPIPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED IN BEST HANAGEMENT PRACTICES AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND DETAILS IN THE PLAN SET. THIS NETWORK IS TO BE MAINTAINED BY THE CONTRACTOR WITH ALL EXPOSED SLOPES HAVE AT LEAST 88-4-80%, VIGOROUS PERENNIAL VEGETATIVE COVER TO PREVENT EROSION.

PRIOR TO ANY CLEARING OR GRUBBING, A CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT THE INTERSECTION WITH RAND ROAD TO AVOID TRACKING OF MUD, DUST AND DEBRIS FROM THE SITE.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A DETAILED SCHEDULE AND MARKED UP FLAN INDICATING AREAS AND COMPONENTS OF THE WORK AND KEY OF THES SHOWNED ATTE OF DISTRIBANCE AND COMPLETION OF THE WORK OF THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION HIGHING WITH THE MANICIPAL STAFF. THREE COPIES OF THE SCHEDULE THE PROPERTY OF THE SCHEDULE AND THE SCHEDULE AND THE SCHEDULE AND THE WORK OF THE WORLD WITH THE SCHEDULE AND THE SCHEDULE AND THE SCHEDULE OF THE SCHEDULE PRE-CONSTRUCTION THE MANDE OF THE SCHEDULE ADDRESSING TEMPORARY AND PERFORMENT VEGETATION HEASURES.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE FOLLOWED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION OF THIS PROJECT.

B. CONSTRUCTION AND POST-CONSTRUCTION PHASE

B. CONSTRUCTION AND POST-CONSTRUCTION PHASE

I.A. AREAS INDEPENDING ACTUAL CONSTRUCTION SHALL ONLY EXPOSE THAT
ACKNOT OF HINERAL. SOIL NECESSARY FOR PROCARESSIVE AND EFFICIENT
CONSTRUCTION AND SHALL NOT EXCEED IA-DAYS, AREAS THAT MILL NOT
BE COMPLETED (COVERED AND/OR FINISH GRADED) WITHIN FOURTEEN (14)
DAYS OF DISTURBANCE SHALL BE ANCHORED WITH THE PROSARY EROSION
CONTROL BLANKET OR MULCH AS DIRECTED BY THE INSPECTING BIGINEER
AND AS SHOUN ON THE DESIGN FLANS. IF MULCH IS USED, HAY OR STRAW
MILCH SHALL BE APPLIED SUCH THAT THE AREAS SHALL BE SUFFICIENTLY.
COVERED WITH MULCH TO AVOID ANY VISILE SOIL EXPOSURE. PULCH
SHALL BE KEPT THE STEP LED NITHE BASE OF ALL GRASSED WATERWAYS
AND IN SLOFES WHICH "AND ANY DISTURBED AREAS WITHIN 100" OF
STREAM'S SHALL BE ANCHORED WITH TEMPORARY EROSION CONTROL
WITHIN SEVEN (1) DAYS.

BITHINGSPENT AREAS DO NOT RECEIVE FINAL SEEDING BY SEPTEMBER BITH OF THE YEAR OF CONSTRUCTION, THEN ALL DISTURBED AREAS SHALL BE SEEDED BUTH A UNITER COVER CROP OF RYE AT THE RATE OF ALBS/1000 SF, TO PROVIDE UNITER PROTECTION. UNITER SEEDINGS SHALL BE COVERED UNITH MILLOR BUSICH THAT NO SOIL 15 VISIBLE, EROSION CONTROL BLANKETS SHALL BE USED IN THE BASE OF ALL GRASSED UNITERILATE, ON SLOPES EQUAL TO OR GREATER THAN SK, APD AN DISTURBED AREAS UTHIN 100' OF UPILAPIL BOY FOR ADDITIONAL UNITER CONTROL BLANKETS SHOULD SEED SEED OF ACASSED UNITERILATED AND STANDARD SEED SEED OF STANDARD SHOULD SEED AND AND ALL AREAS EQUAL TO OR GREATER THAN 8% SLOPE.

IC. REFER TØ "WINTER CONSTRUCTION NOTES FOR EROSION AND SEDIMENTATION CONTROL DURING WINTER CONDITIONS.

2.) ALL TOPSOIL SHALL BE COLLECTED, STOCKPILED, SEEDED WITH RYE AT BLBS-1/2000 SF, AND MULCHED, AND RE-USED AS REQUIRED. SILTATION FENCING SHALL BE FLACED DOWN GRADIENT FROM STOCKPILED LOAM LOAM SHALL BE STOCKPILED AT LOCATIONS DESIGNATED BY THE CUNER AND/2007EN FROM STOCKPILED AT LOCATIONS DESIGNATED BY THE CUNER AND/2007EN FROM STOCKPILED AT LOCATIONS DESIGNATED BY THE CUNER AND/2007EN FROM STOCKPILED AT LOCATIONS DESIGNATED BY THE CUNER AND/2007EN FROM STOCKPILED AT LOCATIONS DESIGNATION FROM STOCKPILED AT LOCATIONS DESIGNATION OF THE CUNERAL PROPERTY OF THE PROPERTY OF THE CUNERAL PROPERTY OF THE CUNERAL PROPERTY OF TH

3.) ALL SILT FENCES SHALL BE INSTALLED ACCORDING TO THIS FLAN. THIS SHALD BE HANN TANE. D JUNEVI STREAM THE THIS TO REPORT SEED THEM THE ACCORDING SED THEM THE THIS TO REPORT SEED THEM THE AND THE ANY FAMPALL OR BUSING EVENT MAINTAINED AND CLEAVED UTIL ALL AREAS HAVE AT LEAST 881-90% VIGOROUS PERENNIAL VEGETATIVE COVER OF GRASSES.

A) A CONSTRUCTION ENTRANCE SHALL BE BUILT AT HE INTERSECTION OF THE EXISTING ROAD AND THE ACCESS DRIVE. ROADWAY AREAS SHALL BE FERIODICALLY SUEPT OR WASHED TO AVOID TRACKING OF HUD, DUST OR DEBRIS FROM THE CONSTRUCTION AREA. DUST CONTROL DURING CONSTRUCTION SHALL BE ACHIEVED BY THE USE OF A WATERING TRICK TO PERIODICALLY SPRINKLE THE EXPOSED ROADWAY AREAS AS NECESSARY TO REDUCE DUST DURING THE DRY MICHTIS.

5.) STONE CHECK DAMS MAY BE REMOVED ONLY AFTER THE ROADWAYS ARE PAVED AND THE VEGETATED SWALES ARE ESTABLISHED WITH AT LEAST 25%-90% OF VIGOROUS PERENNIAL GROWTH.

6.) ALL AREAS SHALL BE SEEDED AND STABILIZED IN ACCORDANCE WITH THE FOLLOWING VEGETATION PLAN.

C. VEGETATION PLAN

LEGEND

C1 /L1

Alle

REVEGETATION PLASURES SHALL COMMENCE IMMEDIATELY UPON COMPLETION OF CONSTRUCTION OF THE ROADWAY IMPROVEDEDTS. STRENGED AND AVERAGE SHALL ALSO BE FULL-CHED AND AVERAGE SHALL ALSO DE FULL-CHED AND AVERAGE SHALL ALSO DE FULL-CHED AVERAGE SHALL AND AVERAGE SHALL DISTURBED AVERAGE SHALL BE SEEDED WITH A UNITER COVER CROP AT THE RATE OF SLBS/0000 SF. TO PROVIDE WINTER PROTECTION, SEEDED, AREAS SHALL BE OVERED WITH EROSION CONTROL HESH, SEED UNITER PROTECTION, SEEDED, AREAS SHALL BE OVERED WITH EROSION BECOMES AVERAGE SHALL CONSIST OF THE FOLLOWING CONTROL HESH, SEE UNITER PROTECTION REQUIREMENTS IN SECTION B

DESCRIPTION PROPOSED
PROPERTY/ROW ----

CURVE/LINE NO. CI / LI

EDGE PAVEMENT

www

----124 -----

____8"W-___

----8"S--

SETBACK

CENTERLINE

IJETI ANDS

SIGN

CURBLINE

FDGE WETLAND

--- -- GRAVEL ROAD -- --

---- 12"SD ----- STORM DRAIN ----- 12"SD-----

---- EASEMENT

---- MONUMENT

---- DRILLHOLE

MANAGEMENT BUILDING

TREELINE CONTOURS

-----8"W ----- WATER

SEUER

----- IRON PIPE/ROD

1) FOUR (4) INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORT SURFACE. LOAM SHALL BE FREE OF SUBSOIL, CLAY LUMPS, STONES AND OTHER OBJECTS OVEF I'M DIAM'ETER, AND WITHOUT WEEDS, ROOTS OR OTHER OBJECTS OVER INCHES AND INTERVENT OF THE ROBUST OF THE ROBUST

2.) SOILS TESTS SHALL BE TAKEN AT THE TIME OF SOIL STRIPPING T DETERMINE FIRTILIZATION REQUIREMENTS. SOILS TEST SHALL BE SOIL DEPOSITE. AS OF INTERSETS WITH THE HADAY LIMIT ON SOIL DEPOSITE. BASED UPON TEST RESULTS, SOIL AMENDMENTS SHALL BE INCOPPORATED INTO THE SOIL PRIOR TO FINAL SEEDING IN LIEU OF SOIL TESTS, SOIL AMENDMENTS MAY BE APPLIED AS

APPLICATION RATE 18,4 LBS/1,000 SF

10-20-20 FERTILIZER (N-P205-K20 OR EQUAL)

3.) FOLLOWING SEED BED PREPARATION, SWALE AREAS, FILL AREAS AND BACK SLOPES SHALL BE SEEDED AT A FARE OF 3 IBS-310. 5P. WITH A INVIRUE OF 35% CREEPING RED FESCUE, 6% RED 100. % KENTICKY BLUEGRASS, 10% FERENNIAL RYEGRASS, 20% ANNUAL RYEGRASS AND 5% WHITE DUTCH CLOVER.

GROUND LIMESTONE (50% 138 LB\$/1,000 SF.
CALCIUM 4 MAGNESIUM OXIDE)

4.) EROSION CONTROL MESH SHALL BE APPLIED IN ACCORDANCE WITH THE PLANS OVER ALL FINISH-SEEDED AREAS AS SPECIFIED ON

5.) ALL HAY BALE AND/OR FILTER FABRIC BARRIERS WILL REMAIN IN PLACE UNTIL SEEDINGS HAVE BECOME 85%-90% ESTABLISHED AND THEN REMOVED WITHIN 10 DAYS.

6.) THE INSPECTING ENGINEER AT HIS/HER DISCRETION MAY REQUIRE ADDITIONAL EROSION CONTROL HEASURES AND/OR SUPPLEMENTAL VEGETATIVE PROVISIONS TO MAINTAIN STABLITY OF LEFTEUDORS OF THE PROVISION O

1.) VEGETATED SLOPES GREATER THAN 2:1 WILL NOT BE PERMITTED ON THIS PROJECT.

D. CONSTRUCTION SCHEDULE

SITE IMPROVEMENTS WILL MOST LIKELY BEGIN N FALL OF 2004 DEPENDING UPON FINAL PROJECT APPROVAL. THE FOLLOWING SCHEDULE IS ANTICIPATED FOR THE CONSTRUCTION OF THE IMPROVEMENTS.

SCHEJULE

1. ESTIMATED CONSTRUCTION TIME
2. EROSION CONTROL MEASURES PLACED
3. SITE CLEARING AND GRUBBING
4. CONSTRUCTION OF ROAD SUBBASE
FOR ACCESSOVETENTS AND
15. SITE CONSTRUCTION
6. HULCH SPREAD FOR WINTER
EROSION CONTROL
1. START PHAL SEEDINGS ON
FREPARED AREAS, (DURING GROWTH
BEELED HOLLINGS OF
VEGETATIVE GROWTH
9. RE-SEEDING OF AREAS, IN NEEDED WEEK 7 - WEEK 24 OCT. 15 OF CONSTRUCTION YEAR WEEK 8 WEEK 10

VEGETATIVE GROWTH.

19. RE-SEEDING OF AREAS, IF NEEDED

110. REMOVAL OF EROSION CONTROL

DEVICES. WEEK 10 UPON FINAL PROJECT COMPLETION " DATES ARE SUBJECT TO CHANGE AT THE DISCRETION OF THE ENGINEER, DEPENDING ON CONSTRUCTION PROGRESS.

E INSEECTIONS/MONITORING

EXISTING

CHE ---

30.20

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MAINTENANCE HEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, THE CONTRACTOR SHALL FERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL TRASURES. THE CONTRACTOR SHALL PERFORM REPAIRS AS NEEDED TO ALLOW CONTINUED PROPER PAICTIONING OF THE EROSION CONTROL TEASURES. THE CONTRACTOR SHALL PROVIDE THE MINICIPALITY WITH WRITTEN DOCUMENTATION DESCRIBING DATES OF THE PROVIDE CONTROL TEASURES THE CONTROL TO PROVIDE CONTROL TO THE MINICIPALITY WITH WRITTEN DOCUMENTATION DESCRIBING DATES OF THE POLYMENT OF THE PROVIDE RECORD OF THE PLANT OF THIS PLANT.

FOLLOWING THE TEMPORARY AND/OR FINAL SEEDINGS, THE CONTRACTOR SHALL INSPECT THE WORK AREA SEMINONTHLY UNTIL THE SEEDINGS HAVE BEEN ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 893-993, OF AREAS VEGETATED WITH VIGOROUS GROUTH, RESEEDING SHALL BE CARRIED OUT BY THE CONTRACTOR WITH FOLLOW-UP INSPECTIONS IN THE EVENT OF ANY FAILURES UNTIL VEGETATION IS ADPECIATELY ESTABLISHED.

DESCRIPTION PROPOSED

-UGE &T-

---12"SD-

(x)

OVERHEAD ELEC. 4 TEL.

GATE VALVE

LIGHT POLE

HYDRANT

MANHOLE

CULVERT

UTILITY POLE

CATCH BASIN

SPOT GRADE

DECIDUOUS TREE

CONIFEROUS TREE

SILT FENCE

GUARDRAIL RIPRAP

CHAIN LINK FENCE ------

STOCKADE FENCE ------------

UNDERGROUND ELEC. 4 TEL.



AND STATE OF MANIE	DANIELLE	BETTS 9057	O CONTRACTOR OF THE PARTY OF TH
	94914	REVIEW	ANY ALTERATIONS,

ISSUED TO CITY FOR REVIEW STATUS:	TO 0	ISSUED STATUS:	05-25-04 DATE:	008 BY:
ISSUED TO CITY & DEP FOR REVI	5	ISSUED	06-21-04	900

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tobot Street
for Me 04098-1339 Engineering Exper

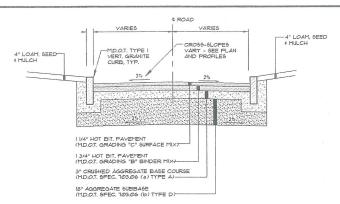
SHOPPING 回 E) AND TREE SHTON AV ARD

S

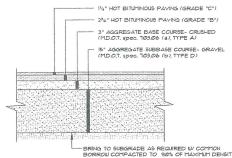
LEGEND

NOTES
OF:
PINE TE
1030 BRIGHT
PORTLAND, N
FOR WELLS
NEWTON, MA DATE SCALE 05-11-04 N/A

SHEET 7 OF 13

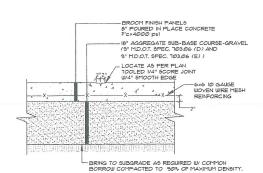


TYP. ACCESS ROAD SECTION (HEAVY DUTY BITUMINOUS PAVEMENT)



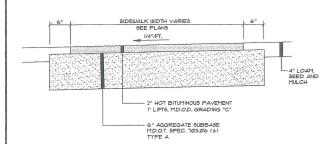
- COMPACT GRAVEL SUBBASE, BASE COURSE TO 92% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION. CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.

TYP. PARKING LOT SECTION (STANDARD DUTY BITUMINOUS PAVEMENT)

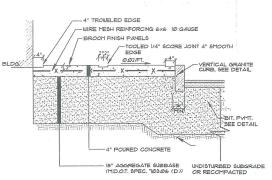


- CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.
- 3. PROVIDE CONTRACTION CONTROL JOINTS EVERY 6' IN EACH DIRECTION

TYP. PARKING LOT SECTION (CONCRETE PAVEMENT)

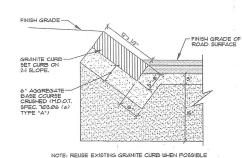


BITUMINOUS SIDEWALK

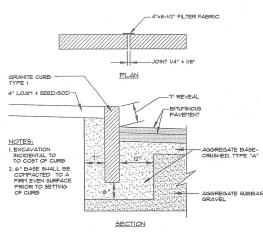


INSTALL 5'-O" SQUARE AREA BY 4' DEEP OF FROST-FREE MATERIAL BELOW ALL HANDICAP RAMPS AND ENTRY POINTS AT BUILDING.

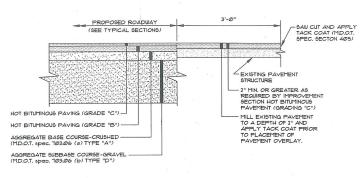
CONCRETE SIDEWALK WITH GRANITE CURB NOT TO SCALE



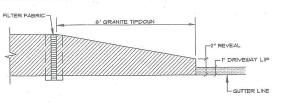
SLOPED GRANITE CURB (6x12)



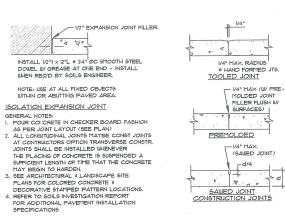
VERTICAL GRANITE CURB NOT TO SCALE

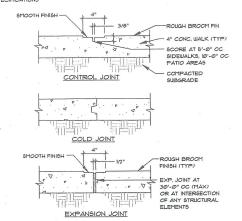


TYPICAL PAVEMENT JOINT DETAIL

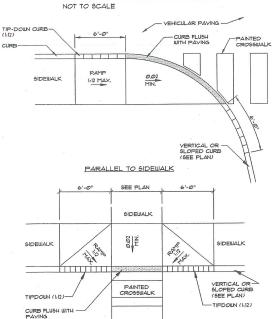


TYPICAL TIPDOWN CURB INSTALLATION NOT TO SCALE



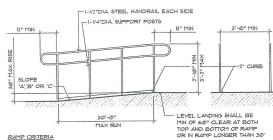


CONTROL JOINT DETAILS



PERPENDICULAR TO SIDEWALK

HANDICAP RAMP



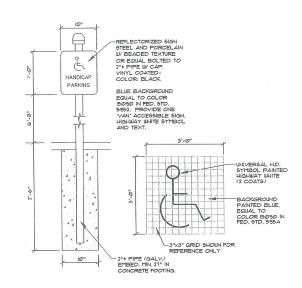
RAMP CRITERIA 'A' SLOPE LESS THAN 1:20 : NOT CONSIDERED A RAMP 'B' SLOPE 1:12 - 1:20 : HANDRAILS 4 2" HIGH CURB REQUIRED 'B' SLOPE GREATER THAN 1:12 : NOT ALLOWED

NOTES:

I. CONCRETE RAMPS ARE TO BE TEXTURED BY BROOMING IN A DIRECTION PARALLEI TO THE LENGTH OF THE RAMP

2. SEE ARCHITECTURAL PLANS.

HANDICAP RAMP RAILING NOT TO SCALE



HANDICAP SIGNS



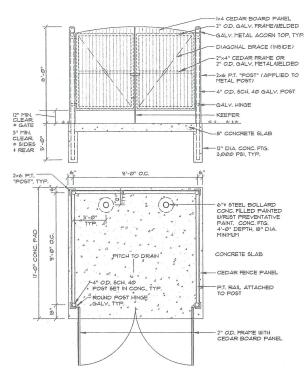


	DRAWN	ALB.
S uo pa	CHKD	DDB
Technics rtise You Can Build On bot Street Me d4098-1339 97) 856-0277	DESIGN	BUU
ebago Technics Engineering Experties You Can Build On One Chand Street Westbrook, No 64059=1339 Tel (207) 856-0277	PROJECT NO. FIELD BOOK DESIGN	DIGITAL
Sebago Bago Bago Bago Bago God God Westbrook	ROJECT NO.	04005

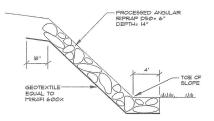
CEN. SHOPPING DEVEL DETAILS
OF:
PINE TREE
1030 BRIGHTION AVE
PORTLAND, MAINE
FOR:
ONE WELLS AVENUE
NEWTON, MA ORSAGE

DATE SCALE 05-11-04 AS SHOWN

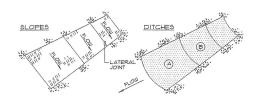
SHEET 8 OF 13



TYPICAL DUMPSTER ENCLOSURE

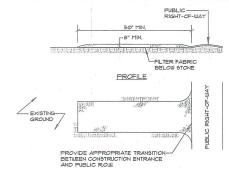


SIDE SLOPE RIPRAP NOT TO SCALE



- 1. BURY THE TOP END OF THE MESH MATERIAL IN A 6" TRENCH AND BACKFILL AND TAMP TRENCHING SECURE END WITH STAPLES AT 6" SPACING, 4" DOWN FROM EXPOSED END.
- 2. FLOW DIRECTION JOINTS TO HAVE UPPER END OF LOWER STRIF BURIED WITH UPPER LAYERS OVERLAPPED 4" AND STAPLED, OVERLAP B OVER A.
- 3. LATERAL JOINTS TO HAVE 4" OVERLAP OF STRIPS, STAPLE 18" ON CENTER.
- 4, STAPLE OUTSIDE LATERAL EDGE 2' ON CENTER. 5. WIRE STAPLES TO BE MIN. OF * II WIRE 6" LONG AND 1-1/2" WIDE.
- 6. USE NORTH AMERICAN GREEN DS 150 OR APPROVED EQUAL.

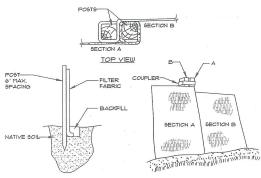
EROSION CONTROL BLANKET NOT TO SCALE



PLAN

- I. STONE SIZE- AASHTO DESIGNATION M43, SIZE NO. 2 (2 $1/2^{\prime\prime}$ TO I I/2"), USE CRUSHED STONE.
- 2. LENGTH- AS SHOWN ON PLANS, MIN. 50 FEET.
- 3. THICKNESS- NOT LESS THAN EIGHT (8) INCHES.
- 4. WIDTH- NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS
- B. HAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION UNICH UILL, PREVENT TRACKING OR FLOUNG OF SEDIMENT ONTO PUBLIC RIGHT-OF-UAXT. THIS MAY REQUIRE PERIODIC TOP DRESSING UITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY THEASURES USED TO TRAP SEDIMENT, ALL SEDIMENT SPILLED, PROPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REPROVED INTEDIATELY.

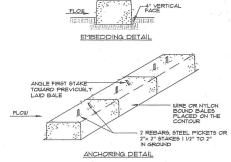
STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE



INSTALLATION:

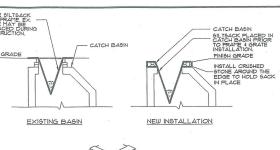
- I. EXCAVATE A 6"X 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
- 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
- 3, DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
- 4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT THUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.
- 5. JOIN SECTION AS SHOWN ABOVE.
- 6. BARRIER SHALL BE MIRAFI SILT FENCE OR EQUAL.

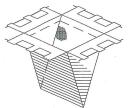
SILT FENCE



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

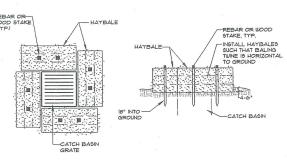
HAY BALE BARRIER NOT TO SCALE





SILT SACK PROTECTION PRIOR TO FINAL GRADING AND PAVING OPERATIONS BEGIN, A CATCH BASIN INSERT (SUCH AS A SILT SACK[®]OR A DANDY BAG[®]II) MUST BE INSTALLED IN EACH BASIN PER MANUFACTURES INSTRUCTIONS, HAY BALES SHOULD BE REMOVED ONCE INSERTS ARE INSTALLED.

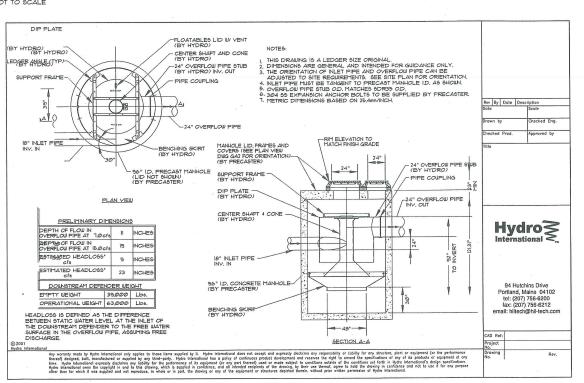
CATCH BASIN PROTECTION DETAIL (FOR PAVED AREAS)



NOTE: INSTALL BARRIER AT EACH CATCH BASIN

CATCH BASIN PROTECTION DETAIL (FOR UNPAYED AREAS)

NOT TO SCALE



R4-7B \$ 15 SIGN MOUNT

SCALE - 1"=20"

HIL / DOWNSTREAM DEFENDER - 8-FT DIAMETER



PAINTED YELLOW -0' SKIP

GONGRETE PAVEMENT:

ENLARGED CUSTOMER LOADING CANOPY



SIGN MOUNTE ON COLUMN

B00 B00

REV REP 2 d

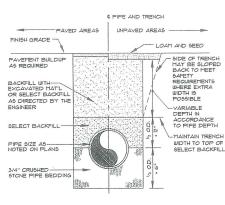
Technics Ferrise You Can Build On

Sebago

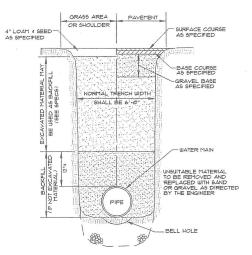
CENTER VELOPMENT SHOPPING PE E DETAILS
OF:
PINE TREE
1030 BRIGHTON AVE
FOR:
FOR:
PORTLAND, MAINE
ONE WELLS AVENUE
ONE WELLS AVENUE
NEWTON, MA OZASUE

DATE SCALE 05-11-04 AS SHOWN

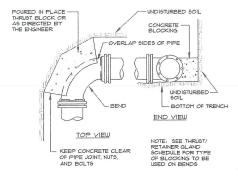
SHEET 9 OF13



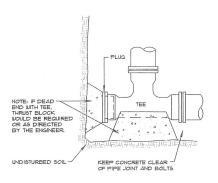
TYPICAL TRENCH SECTION



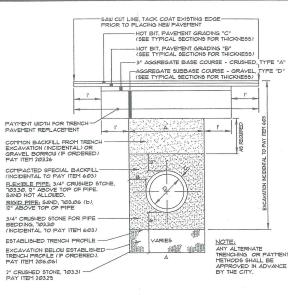
SECTION THRU EARTH TRENCH NOT TO SCALE



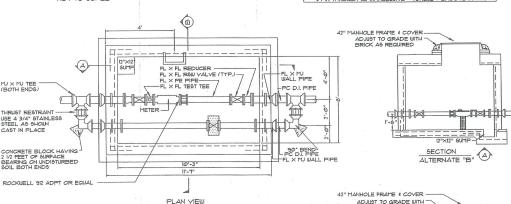
STANDARD BEND BLOCKING NOT TO SCALE



STANDARD TEE BLOCKING



TYPICAL PIPE INSTALLATION DETAIL



GENERAL NOTES:

INSIDE DIVENSIONS OF VAULT ARE MINIMUMS REQUIRED

IN ACCESS AND OPERATION

IN ANY MODIFICATION TO THE DIVENSIONS AND/OR
REINFORCEMENT OF THE VAULT SHALL BE SUBMITTED TO
THE DISTRICT FOR REVIEW AND APPROVAL PRIOR TO
CONSTRUCTION CONSTRUCTION

3. ALL VALVES 4 FITTINGS INSIDE OF VAILLT SHALL BE FILID APPROVED FLANGED PIPE RATED FOR 125 PSI MINIMUM LICHENISH PRESSURE.

4. ALL VALVES 6 SHALL BE AMUJA APPROVED RESILIANT SEAT LEDGE VALVES.

5. CONCERTE SHALL LIFE AMUJA APPROVED RESILIANT SEAT. UEDGE VALVES.

5. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE
STERISTH AT 3000 PSI 30 DAYS.

6. INFLANCE FITTINGS UILL NOT BE PERMITTED.

1. PILD UILL LOAN THE BUILDER A SPACER CORRESPONDING
TO THE METER INSTALLED.

8. FIRE LINE METERS REGUIRE A TESTING TEE

534"

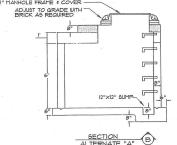
DROP STYLE COVER

,5" ,534"

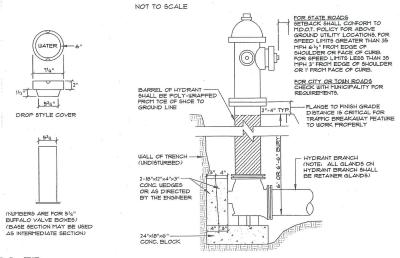
B" 1014"

5"

VALVE BOX & COVER



WATER METER PIT



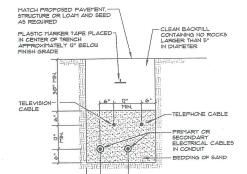
TYPICAL HYDRANT INSTALLATION NOT TO SCALE

TABLE OF DIMENSIONS PVC, TRUSS, CMP, AND POLYETHYLENE PIPE



TABLE OF DIMENSIONS

D	A	В	C	VOL. BA	SE /100
				UNSHEETED	O. D. B
12"	3'- 0"	0'- 10"	Ø'-2"	8319	20 1/4
15"	3'- 0"	Ø'- 8 I/4"	Ø'- 2 1/4"	8.626	24 1/8
18"	3'- 0"	0'- 6 1/2"	0'- 2 1/2"	8.925	28"
21"	3'- 0 1/2"	0'-6"	0'-2 3/4"	9266	31 7/8
24"	3'- 6"	0'-6"	0'- 3"	11233	35 3/4
27"	3'- 9 1/2"	0'-6"	0'- 3 1/4"	12.655	
30"	4'- 1"	0'- 6"	0'- 3 1/2"	14,120	
33"	4'- 4 1/2"	0'-6"	0'- 3 3/4"	15.722	
36"	4'- 8"	0'-6"	0'- 4"	17.338	
42"	5'- 3"	0'-6"	0'- 4 1/2"	20,726	
48"	5'- 10"	0'- 6"	0'- 5"	24.463	
54"	6'- 5"	0'-6"	0'-51/2"	28,404	
60"	T'- Ø"	0'-6"	0'-6"	32,607	
66"	7'- 7"	0'-6"	0'- 6 1/2"	37,074	
72"	8'- 2"	0'- 6"	Ø'- T"	41,886	
78"	8'- 9"	0'-6"	0'-71/2"	46.881	
84"	9'- 4"	0'- 6"	0'- 8"	52,149	
90"	9'- 11"	0'-6"	0'- 8 1/2"	57.769	
96"	10'-6"	0'- 6"	0'- 9"	63552	

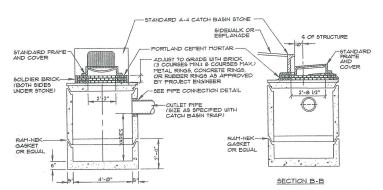


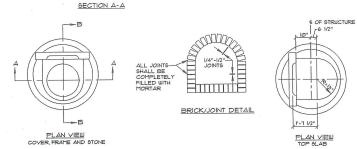
CABLES TO BE ENCASED IN SCHEDULE 40 PVC CONDUIT WHEN RUN BENEATH PAYED AREAS.

TYPICAL UNDERGROUND CABLE INSTALLATION NOT TO SCALE

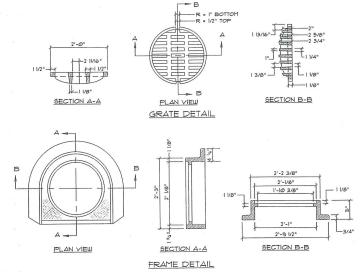
GENERAL NOTES FOR MANHOLES AND CATCH BASINS

- . ALL CONCRETE SHALL BE CLASS "A" AND HAYE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 IDs. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.
- 2. PRECAST REINFORCED CONE BARREL MANUFACTURED PER ASTM SPEC. C-418-61
- 3. SEIJER BRICK SHALL CONFORM TO ASTM SPEC, DESIGNATE ON C-32-63, GRADE MA AND SA.
- 4. ALL MANHOLES SHALL HAVE A BITWINOIS UNTERFERCEPINA AFFLIED TO THE EXTERIOR SUPPLACE. IF CONSTRUCTED OF BITCH TAGASHY. TO THE EXTERIOR SUPPLACE IN CONTROL OF THE CONTROL THAT AFFLICT AND AFFLICT HAVE AFFLICT HAVE AFFLICTED AND THAT AFFLICTED HAVE AFFLICTED BY SUPPLEMENTAL SPECIFICATIONS SECTION SOME.
- 5, 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 ASPHALTIM PAINT WHICH SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.
- 6.MANHOLES MAY BE CONSTRUCTED OF MASONRY, PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.
- T. ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY <u>STATION</u> AND <u>OFFSET</u>, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANHACTURER.
- 8.STORM AND SEWER MANHOLES SHALL HAVE SOLID COVERS WITH ONE DRILLED PICK HOLE.
- 9.EXISTING FRAMES, AND COVERS SHALL BE SALVAGED BY THE CON AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.
- IO.EXISTING CURB AND PAYERS SHALL BE SALVAGED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.





PRECAST CONCRETE CATCH BASIN - TYPE "E"



CATCH BASIN TYPE "D" - FRAME & COVER





B A A HIS PEV. REV. REV. SEV.							B DDB 06-21-04 ISSUED TO CITY & DEP FOR REVIEW	A DDB 05-25-04 ISSUED TO CITY FOR REVIEW	EV: BY: DATE: STATUS:	THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIC MINIORATES OF CHAINS FIRST STATE RISK AND WITHOUT LABILITY TO SEBAGO TECHNICS.
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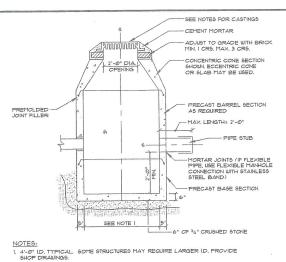


Sebago on Exper Engineering Exper One Cho Westbrook, Tel (20) CENTER

DEVELOPMENT SHOPPING TREE HTON AV DETAILS
OF:
PINE TREE
1030 BRIGHTON AN
1030 BRIGHTON AN
1050 BRIGHTON AN
1

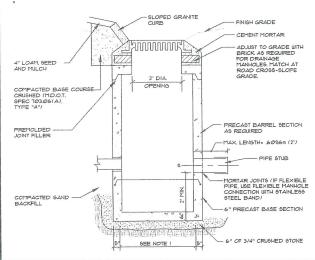
DATE | SCALE 05-11-04 AS SHOWN

SHEET10 OF13



- 2. DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING
- 3. PIPE SIZES AND INVERTS AS NOTED ON PLANS.
- 4, CATCH BASIN FRAME AND GRATE TO BE ETHERIDGE FOUNDRY \$4248, TYPE M OR C OR APPROVED EQUAL.
- DRAINAGE MANHOLE FRAME AND COVER TO BE ETHERIDGE FOUNDRY M2485 OR APPROVED EQUAL. COVER SHALL BE MARKED "DRAIN".

TYPICAL CATCH BASIN NOT TO SCALE



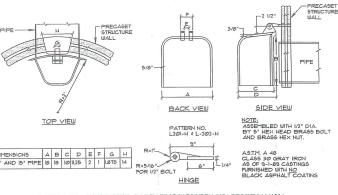
- 4'-0" $\mbox{ID.}$ TYPICAL. SOME STRUCTURES MAY REQUIRE LARGER $\mbox{ID.}$ PROVIDE SHOP DRAWINGS.
- 2. DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING.
- 3. PIPE SIZES AND INVERTS AS NOTED ON PLANS.
- 4, CATCH BASIN FRAME AND GRATE TO BE ETHERIDGE FOUNDRY E245G AND/OR DRBA (WITH GRANITE STONE) APPROVED EQUAL, LOW PROFILE FRAMES AND COVERS MAY BE USED AS A SUBSTITUTE.
- DRAINAGE MANHOLE FRAME AND COVER TO BE ETHERIDGE FOUNDRY E2455 OR APPROVED EGUAL.

TYP. DRAINAGE STRUCTURE & CATCH BASIN WITH SLOPED GRANITE CURB NOT TO SCALE

-HOT BIT. PAVEMEN SHIM INCIDENTAL TO CURB RETAIN NORMA CURB GRADE

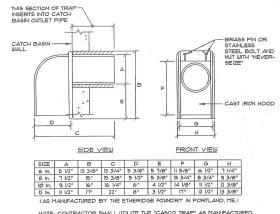
INCLE:
CATCH BASIN GRATES SHALL BE DEPRESSED 2" BELOW THE NORMAL GUTTER GRADE UNLESS THIS DEPRESSION INTERFERES WITH TRAFFIC, PARALLEL BAR GRATES SHALL BE INSTALLED ON A LEVEL GRADIENT, DIPRESIONS AGE INFRODED TO BE NORMAL.

GUTTER GRADE TRANSITION AT CATCH BASIN NOT TO SCALE



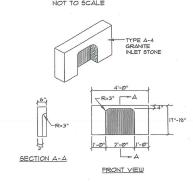
(MODEL L 202 - MANUFACTURED BY THE LEBARON FOUNDRY, INC. + BROCKTON MASS.)

CATCH BASIN TRAP - LEBARON FOUNDRY

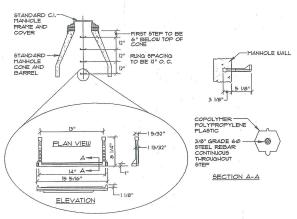


NOTE: CONTRACTOR SHALL UTILIZE THE "CASCO TRAP" AS MANUFACTURED BY THE ETHERIDGE FOUNDRY, OR AN AFPROVED EQUIVALENT AS SUPPLIED BY THE LEBARON FOUNDRY, MODEL & L, 20° 5/TANDARD CATCH BASIN

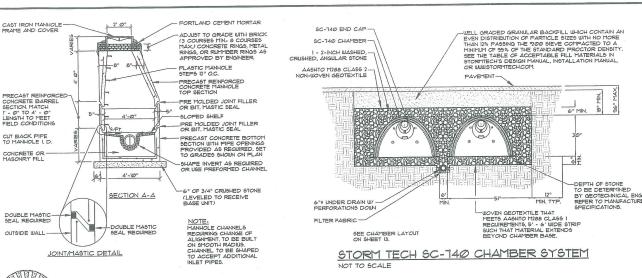
CASCO TRAP

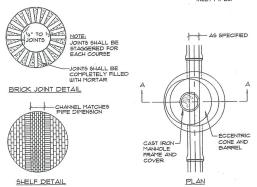


TYPE A-4 GRANITE CATCH BASIN INLET STONE

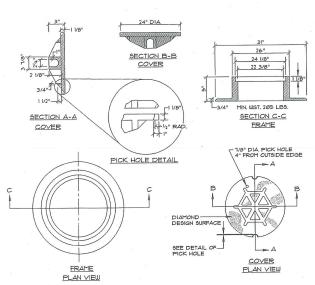


PLASTIC MANHOLE STEPS NOT TO SCALE

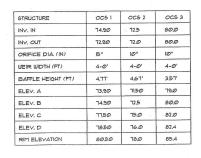


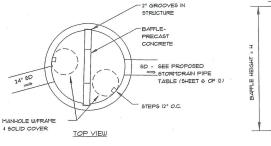


PRECAST CONCRETE MANHOLE TYPE "A"

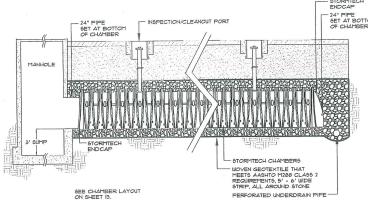


TYPE "A" CAST IRON MANHOLE COVER AND FRAME NOT TO SCALE

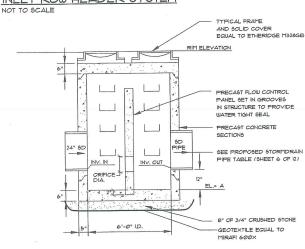


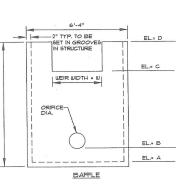


NOTE: SUBMIT SHOP DRAWINGS FOR OWNER/ENGINEER APPROVA



STORM TECH SC-740 CHAMBER SYSTEM INLET ROW HEADER SYSTEM





OUTLET CONTROL STRUCTURE

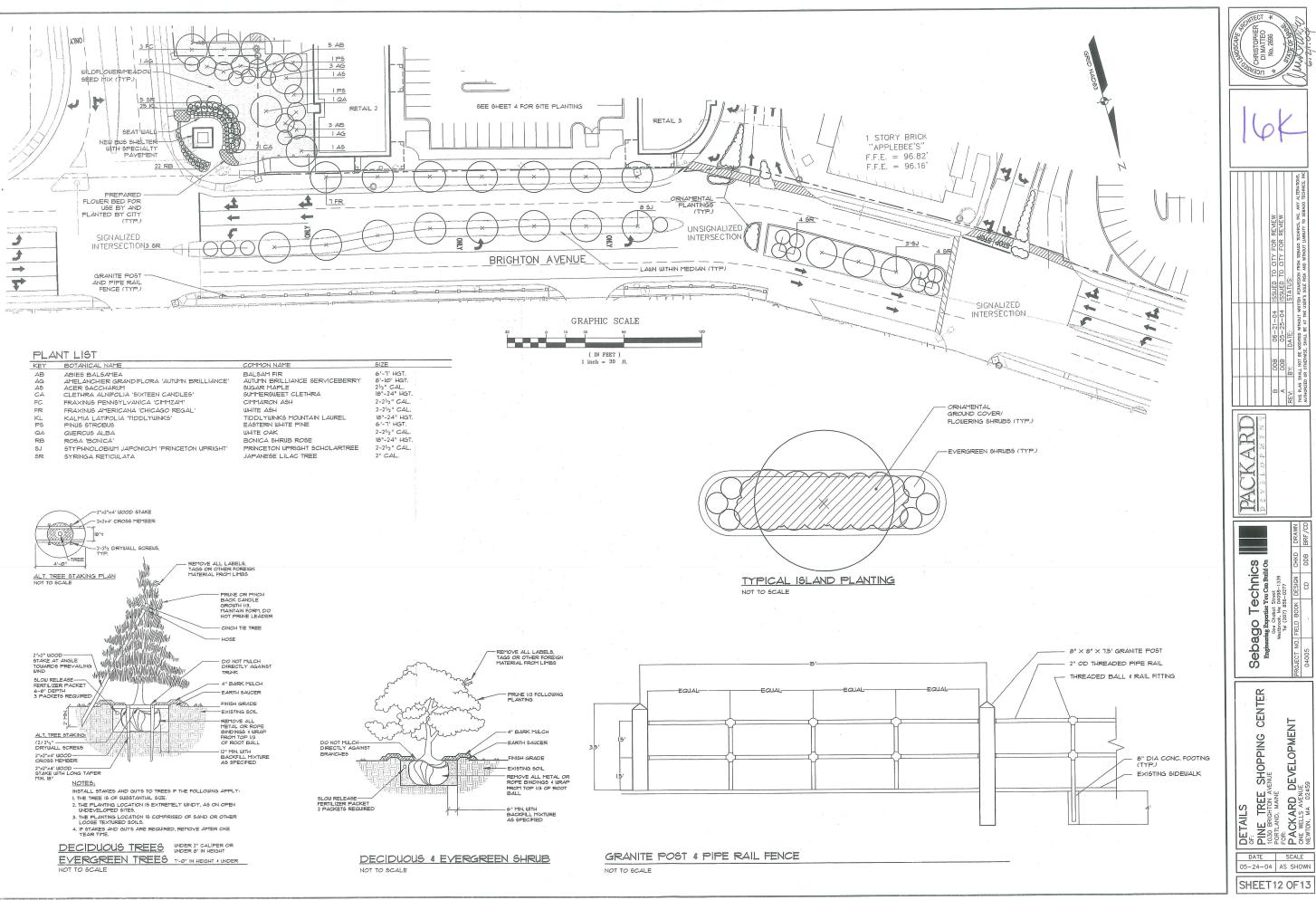
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Technics Sebago

CENTER DEVELOPMENT SHOPPING CKARD WELLS AVEN DETAILS
OF:
PINE TRE
1030 BRIGHTON
PORTLAND. MA
PORK
POCK
ONE WELLS AV
NEWTON, MA

DATE SCALE 05-11-04 AS SHOWN

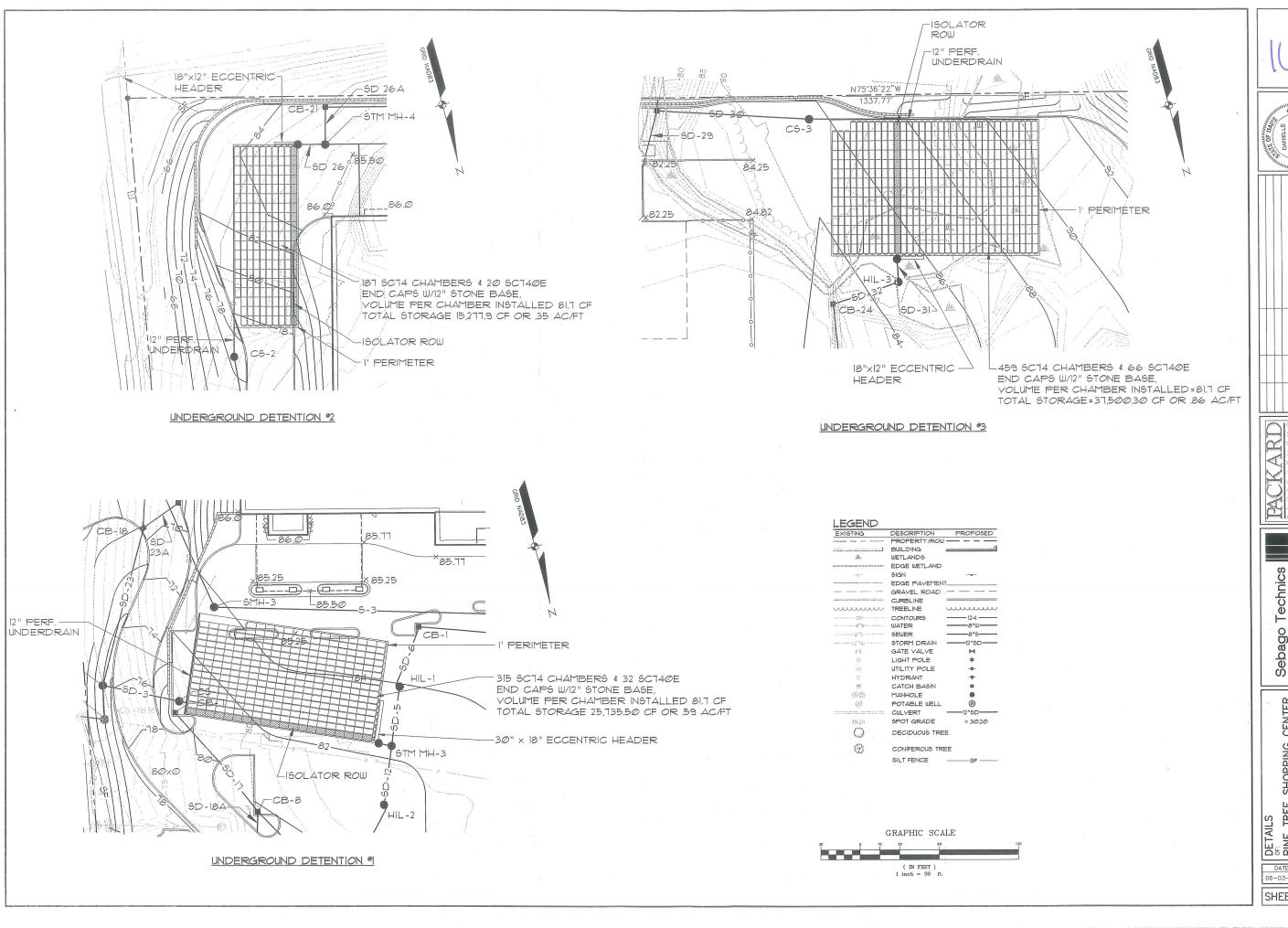
SHEET 11 OF 13





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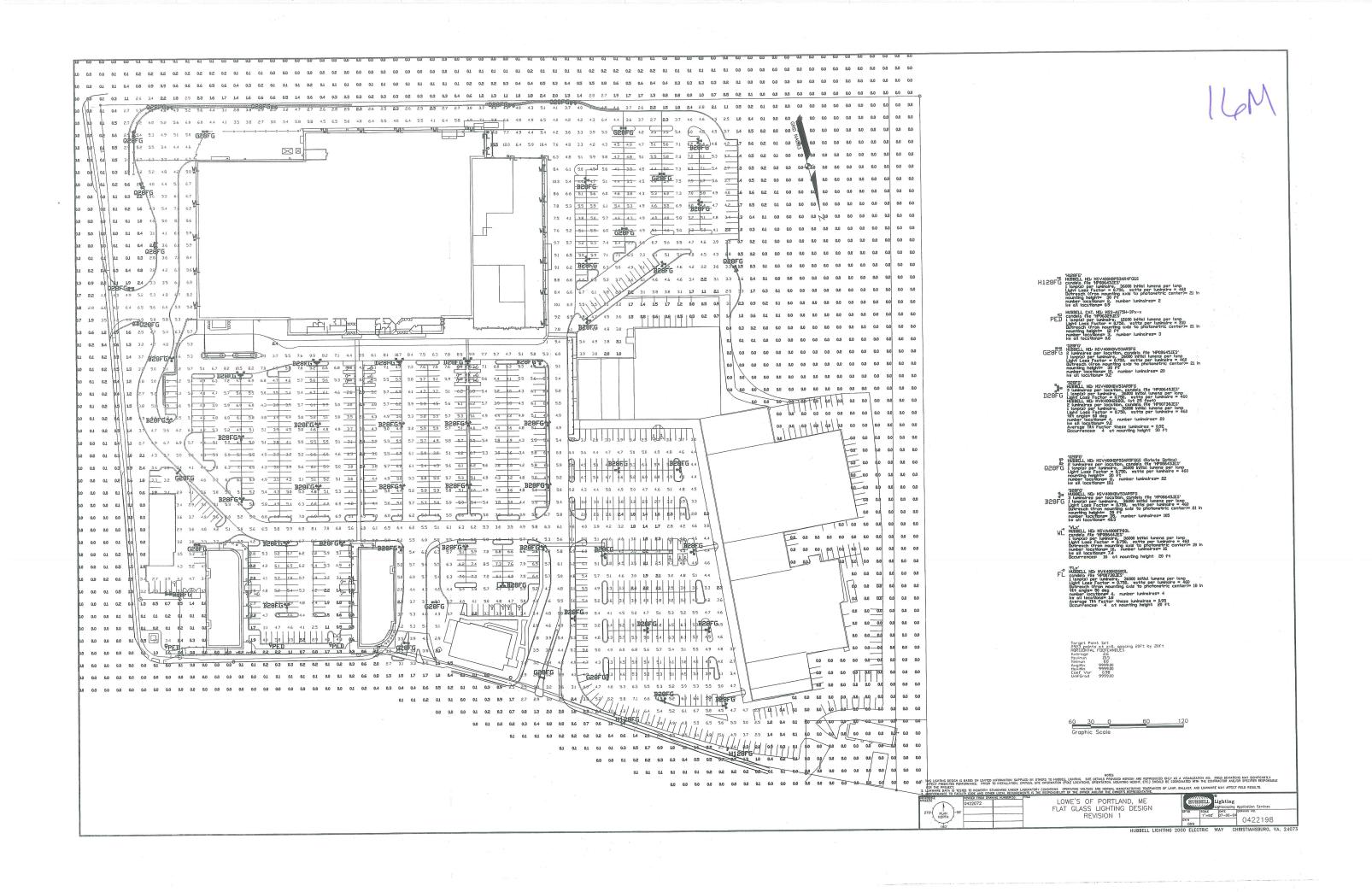


Sebago Technics
Engineering Experies Vou Can Build On
One Choset Street
Westbrook, No 6089-1339
Westbrook, No 6089-1339

DEVELOPMENT SHOPPING DETAILS
OF:
PINE TREE (1030 BRIGHTON AVE)
FORT.
FOR:
PORT.
FOR:
PORT.
PO

DATE SCALE
06-03-04 AS SHOWN

SHEET13 OF13







ALUMINUM STOREFRONT WINDOWS

RETAIL TWO WEST ELEVATION (PARKING)

Al | A2 | Ø | Ø'-Ø' | SCALE: | //8' = | '/-Ø'

General Note: Material notes and dimensions are typical of all elevations.



PORT - GITY ARCHITECTURE

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> RETAIL 2 EXTERIOR ELEVATION

A-2





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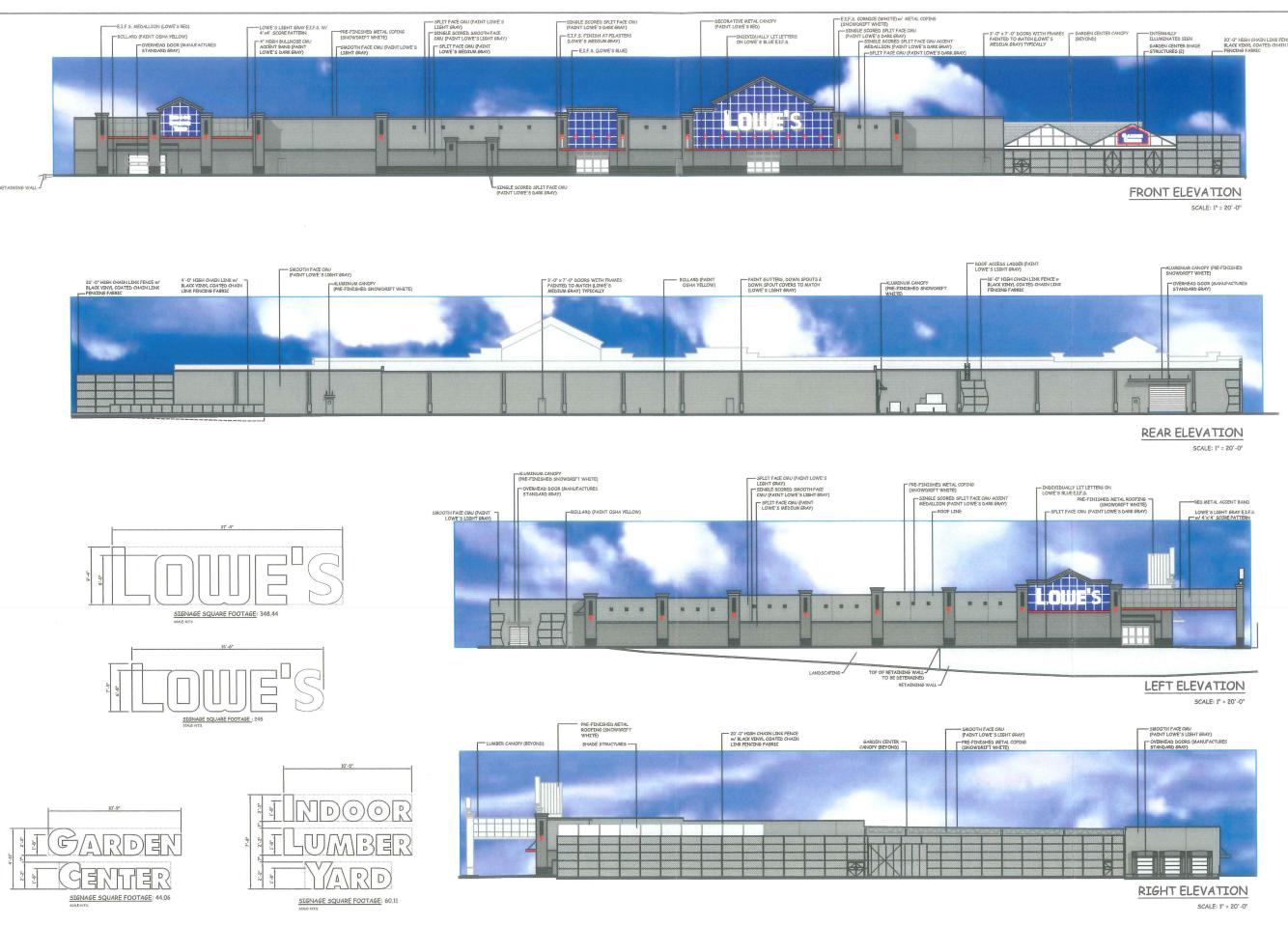
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RETAIL 3
EXTERIOR
ELEVATION

A-3



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HOME CENTERS, INC

REVISIONS

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ENGINEERING AND CONSTRUCTION

COLORED EXTERIOR
ELEVATIONS
LOWE'S OF
PORTLAND
PORTLAND

7.23.2004 PORTLAND-MA



SIGNAGE

RETAIL TWO WEST ELEVATION (PARKING)

SCALE: 1/8" = 1'-0"

SIGNAGE

Al A2 0 8'-0'

ALUMINUM STOREFRONT WINDOWS

SIGNAGE

SIGNAGE



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RETAIL 2
EXTERIOR
ELEVATION

A=2

General Note: Material notes and dimensions are typical of all elevations.

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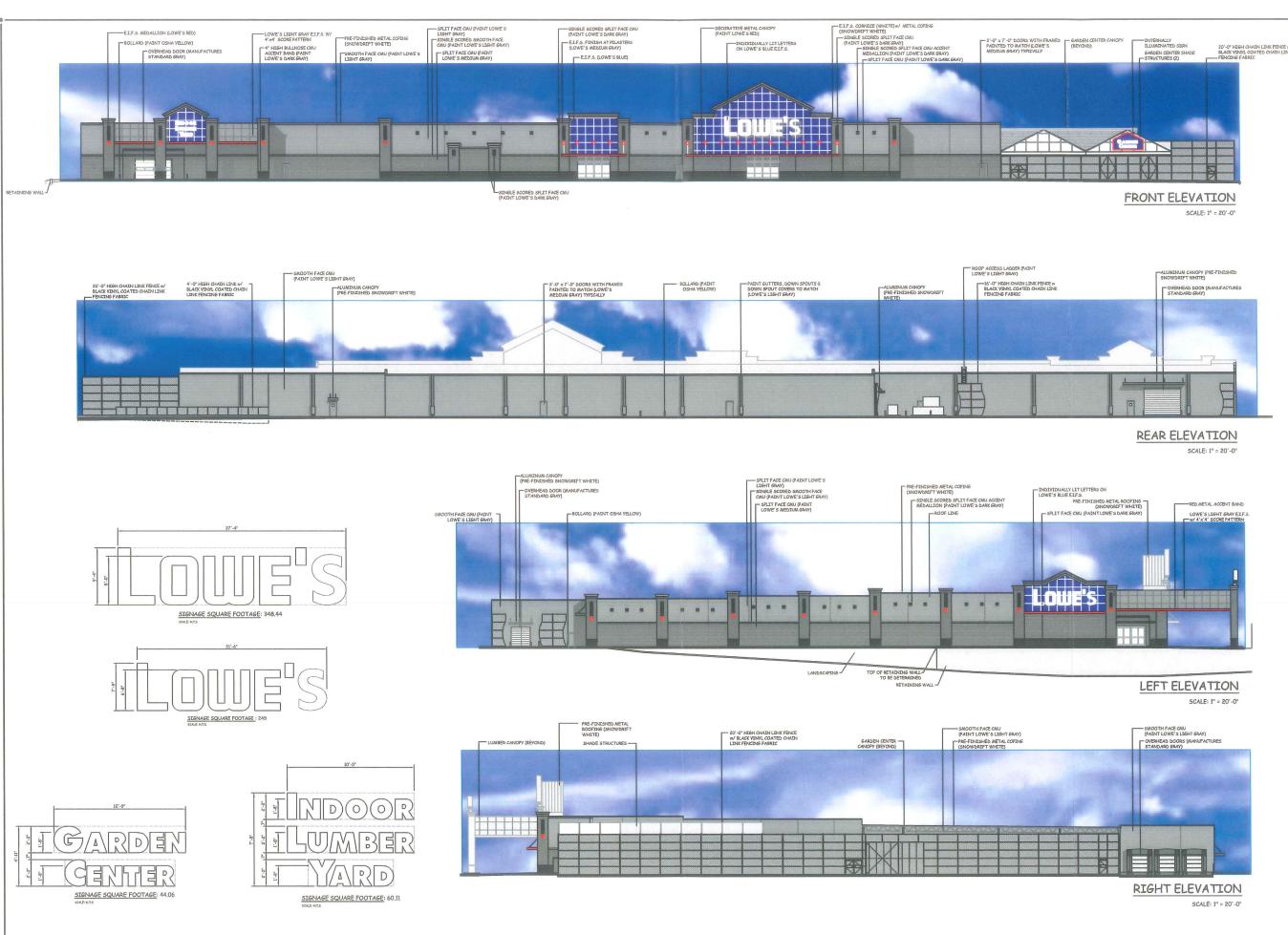
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RETAIL 3
EXTERIOR
ELEVATION



LOWE'S HOME CENTERS, INC.

REVISIONS

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HWW.288 EAST, EAST DOOK N. WILKESBORO, NC 28659

COLORED EXTERIOR
ELEVATIONS
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ALUMINUM STOREFRONT WINDOWS

RETAIL TWO WEST ELEVATION (PARKING)

General Note: Material notes and dimensions are typical of all elevations.

SCALE: 1/8" = 1'-0"

8'-0'



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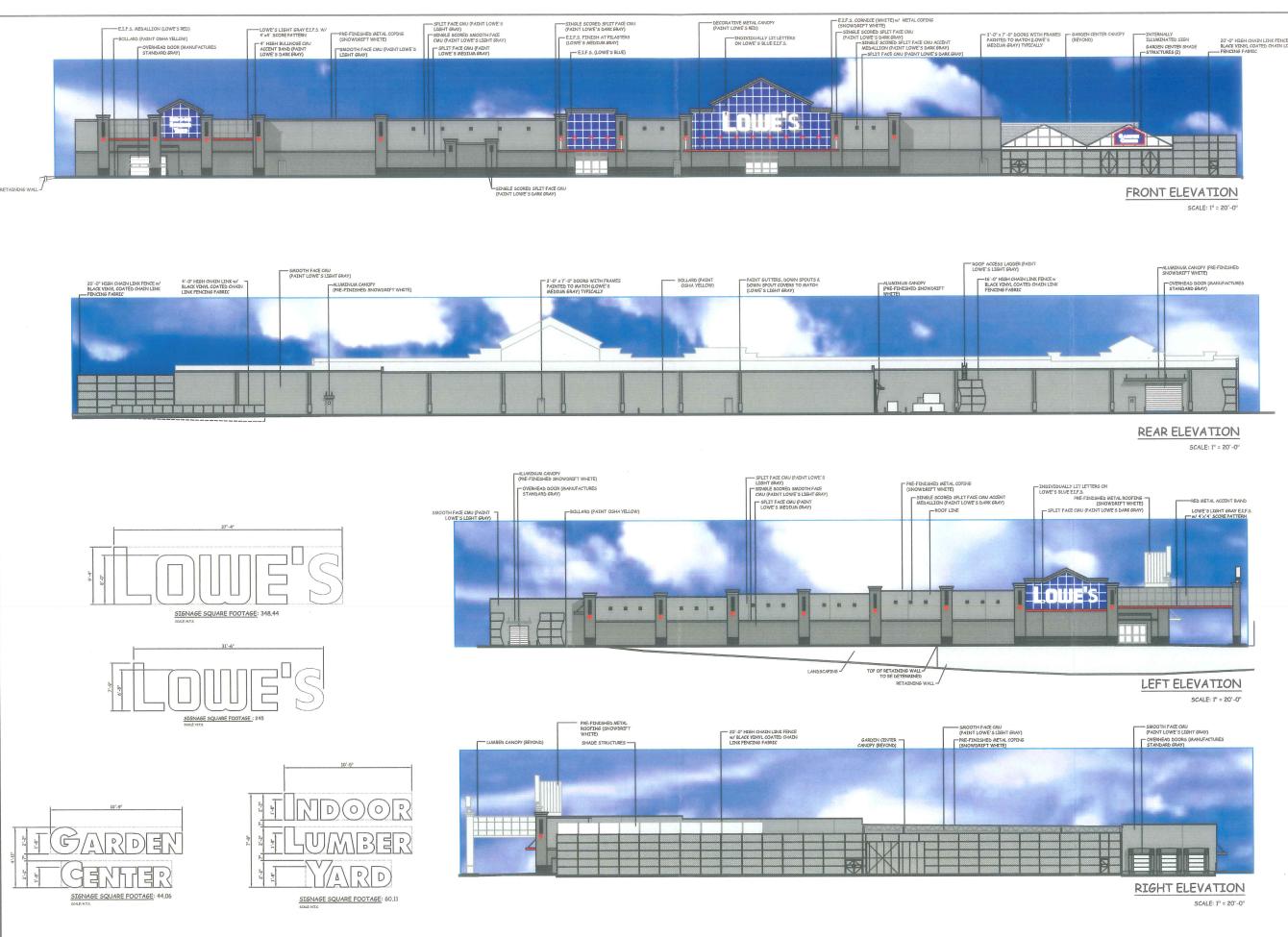
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RETAIL 3
EXTERIOR
ELEVATION



HOME CENTERS, INC.

ENGINEERING AND CONSTRUCTION
HWY 28 EAST EAST DOOK IN WILKESBORD, NO 206599

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