



Technics

Sebago
Engineering Expert
One Chel
Westbrook,
Tel (20' CENTER

SHOPPING

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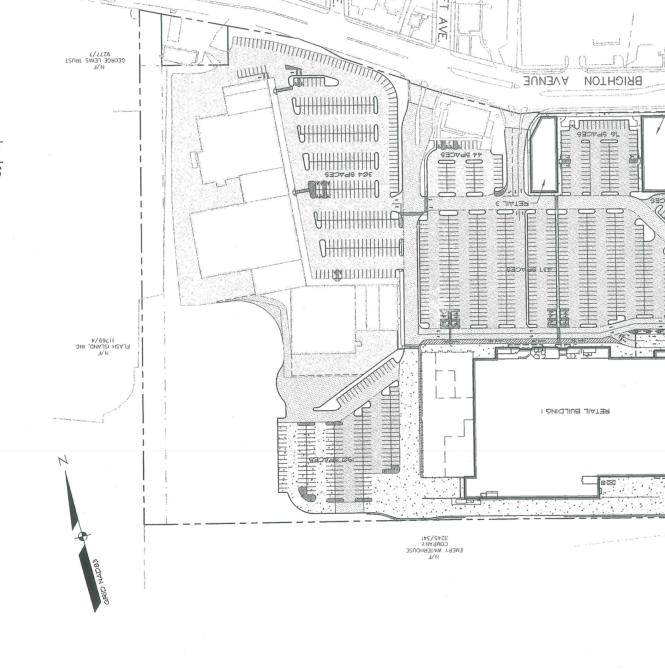
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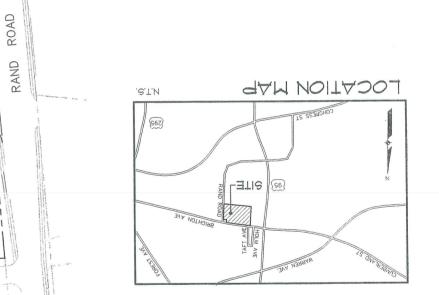
# PINE TREE SHOPPING CENTER

PORTLAND, MAINE

( IN FEET )

CEAPHIC SCALE





ENGINEER

APPLICANT:

Sebago Technica

DEAELOPMENT

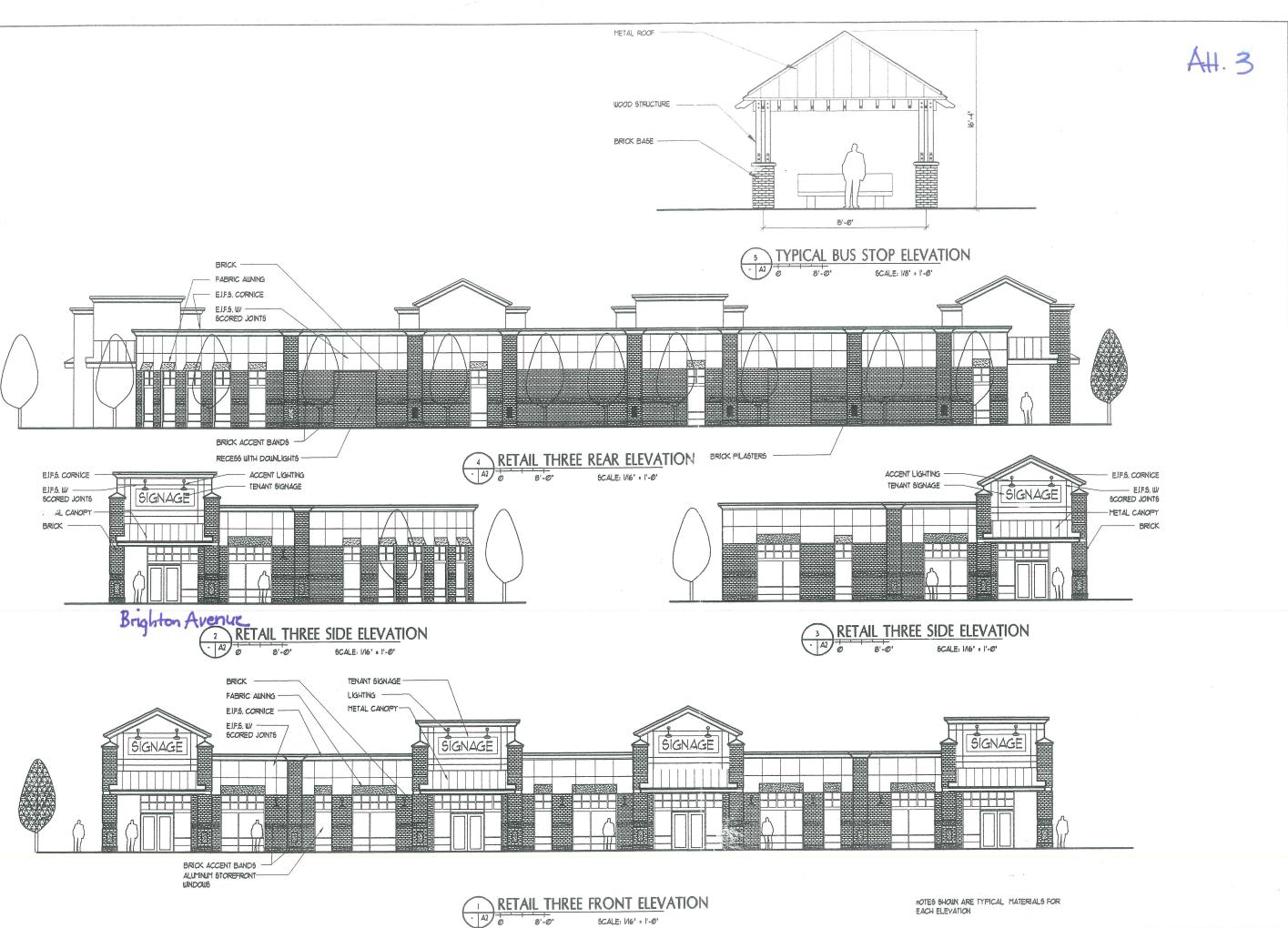
# SHEET INDEX

L	AND LEGEND
9	SELEAT BAUCTURE TABLES
g	NAJ9 YTIJITU QNA ĐNIQA9Đ
Þ	LANDSCAPE PLAN
٤	NAJ9 ETI8
7	DEMOLITION PLAN EXISTING CONDITIONS /
I	COVER SHEET
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SCALE: 1/16" : 1'-0"

8'-0"



PORT - GITY **ARCHITECTURE** 

65 NEWBURY STREET PORTLAND, ME 04101 207.761.9000 fax: 761.2010 info@portcityarch.com

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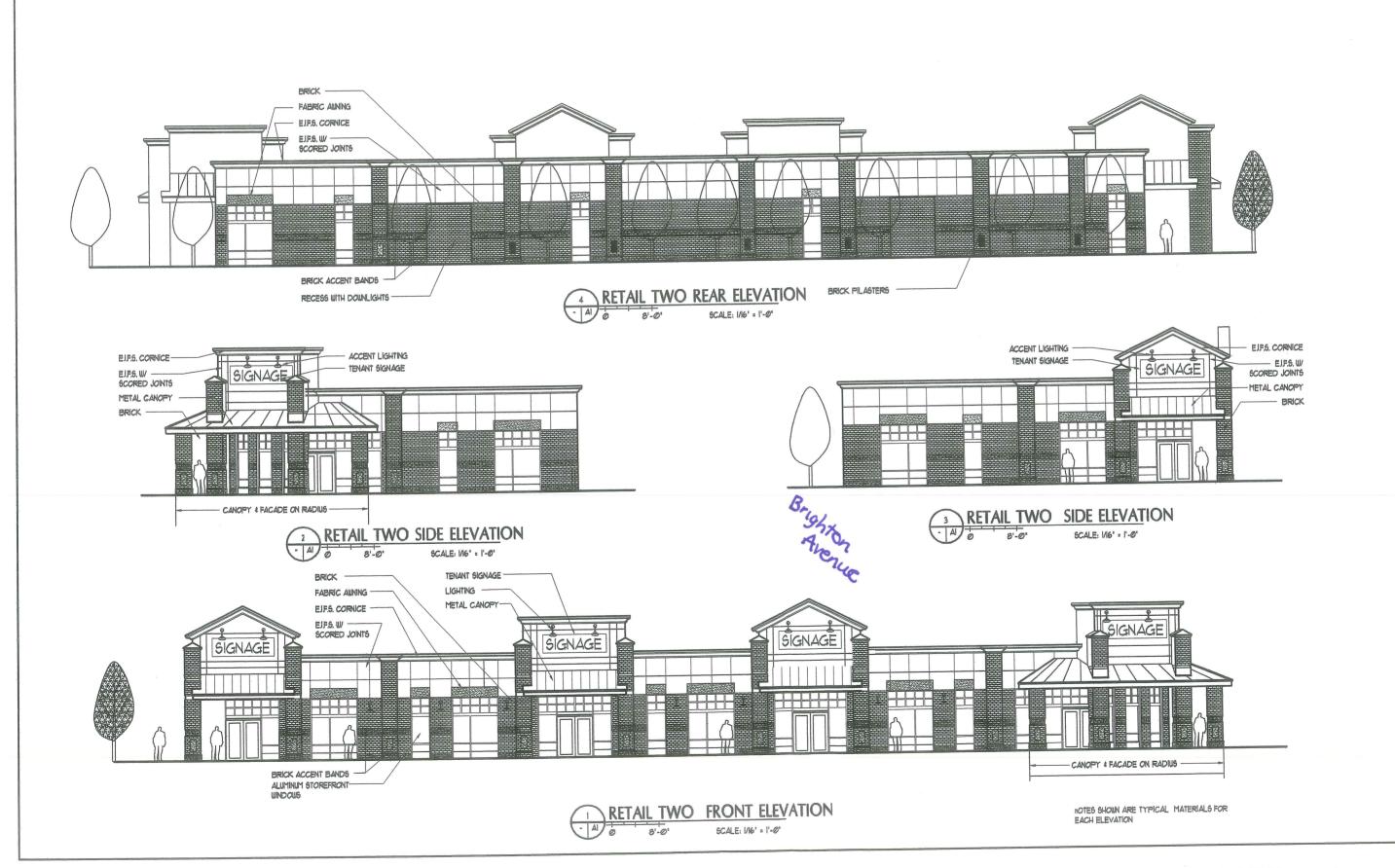
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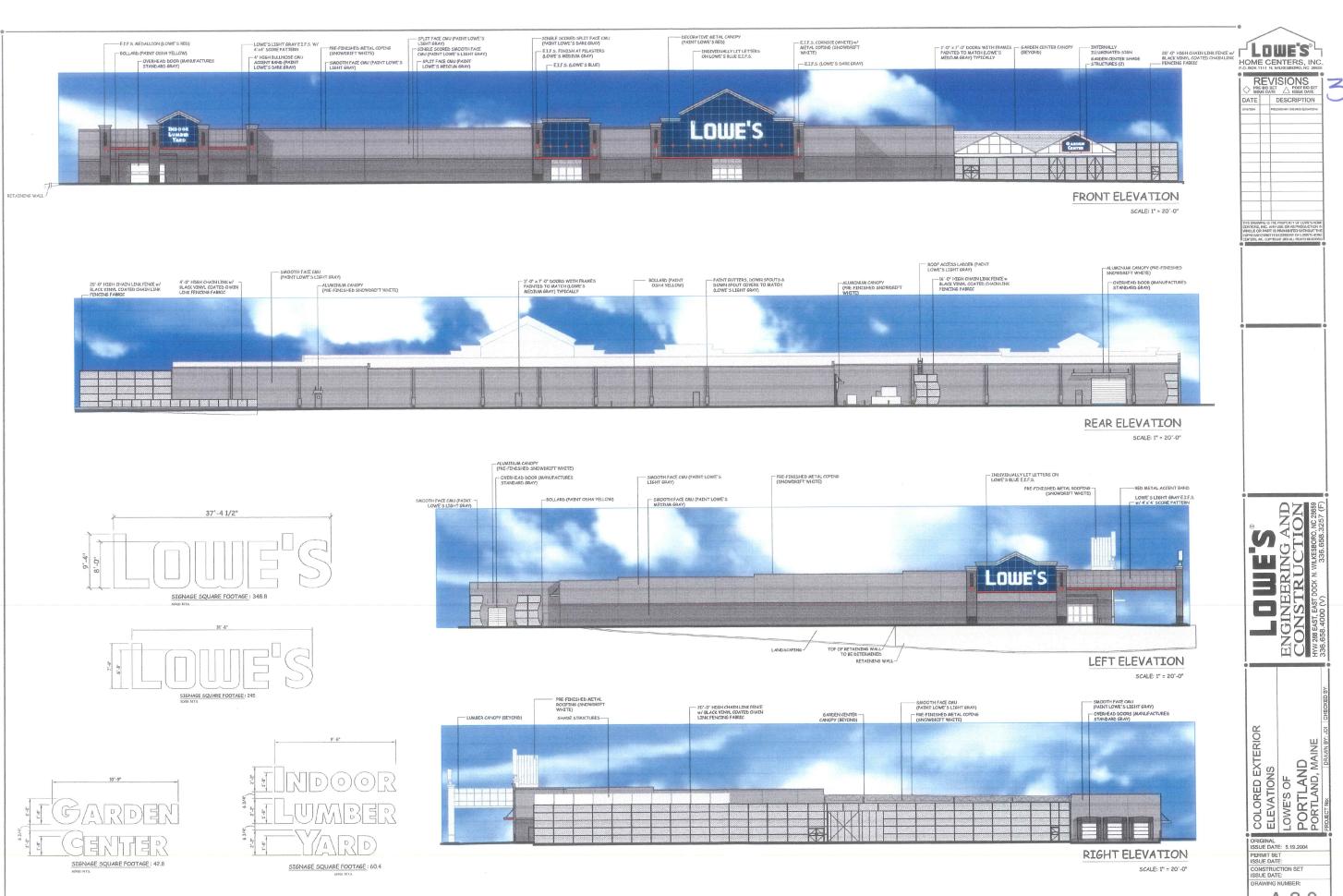
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PINE TREE SHOPPING CENTER

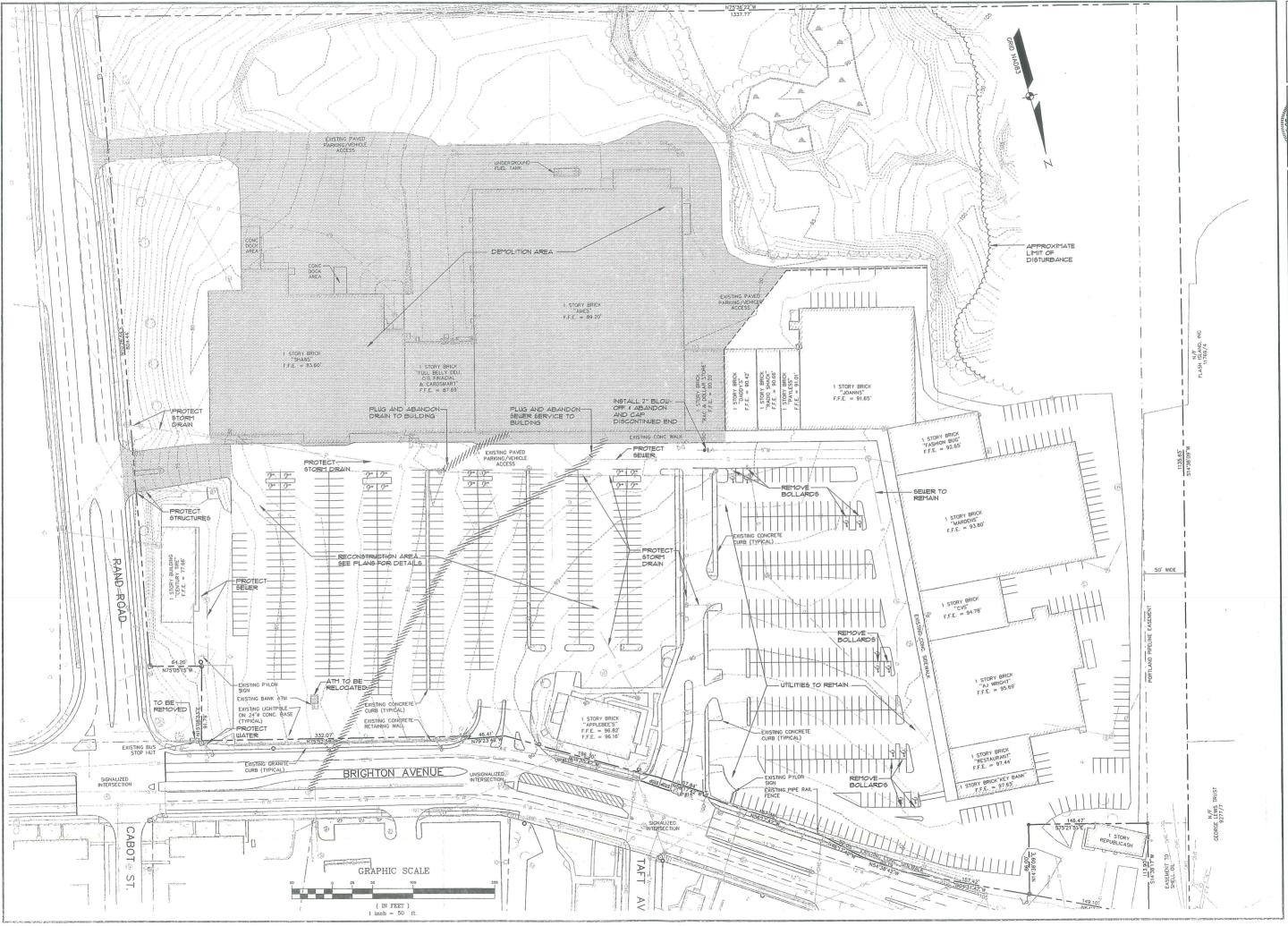
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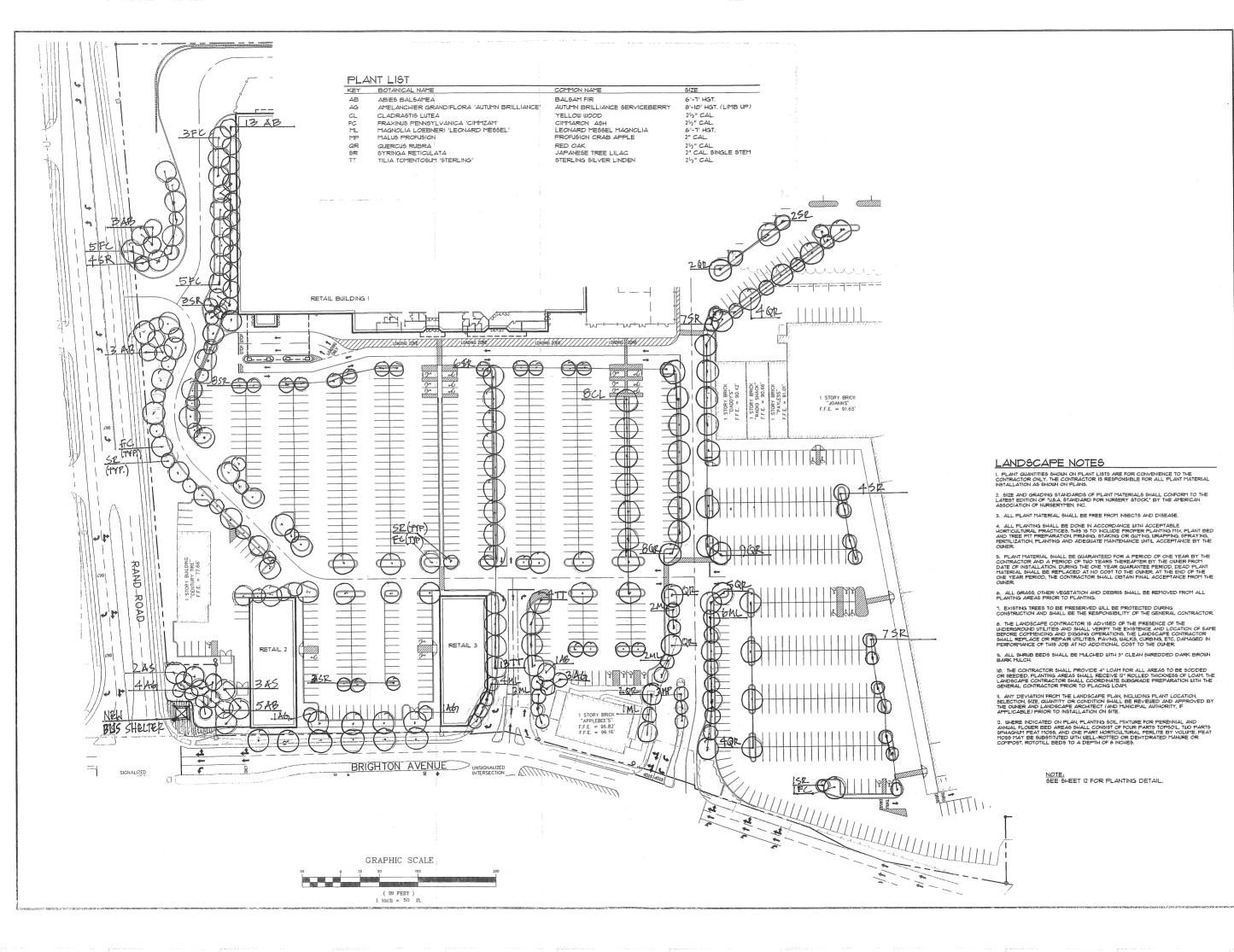
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DEMOLITION PLAN
DEMOLITION PLAN
OF:
PINE TREE SHOPPING CENTER
1030 BRIGHTON AVENUE
FORTLAND, MANNE
FORTLAND, MANNE
FORTLAND, ANNE

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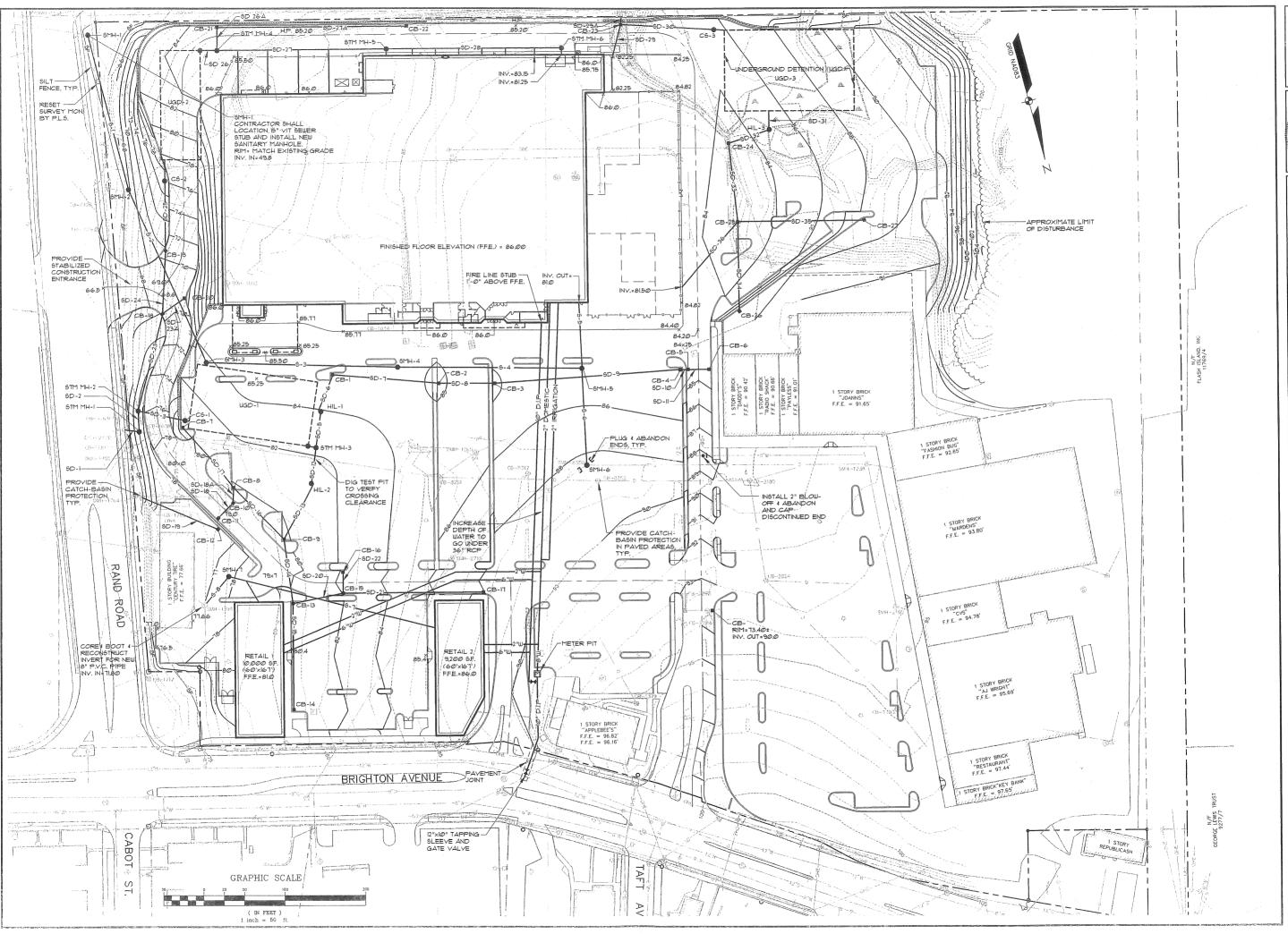
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FREE SHOPPING CENTER
HION AVENUE
MAINE

PINE TREE S 1030 BRIGHTON AVENI PORTLAND, MAINE FOR:

DATE SC 03-05-04 1" =

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Westbrook, New 644999-1339
Tel (2007) 885-0277

PLAN GRADING AND UTILITY FOR TREE SHOPPING C PORTLAND, MAINE FOR

04-01-04 1" SHEET 5 (

### EXISTING SEWER MANHOLE TABLE

RIM	INV. IN	INV. OUT	SHELF	SUMP
80.78	74.78 (8" VIT)	74.73 (8" VIT)	75.93	
91.36	82.51 (8" VIT) 82.46 (8" VIT)	82.46 (8" VIT)	83.01	
76.99	71.79 (4" VIT)	71.59 (8" VIT)	72.09	
93.80	85.83 (8" VIT)	84.59 (8" VIT)		84.55
85.68	78.48 (4" VIT) 77.63 (8" VIT)	77.53 (8" VIT)	77.78	
88.40	79.60 (8" VIT) 79.70 (8" VIT)	79.55 (8" VIT)	79.90	
65.23	49.73 (15" VIT) 49.53 (8" VIT)	49.23 (18" VIT)	50.13	
	80.78 91.36 76.99 93.80 85.68 88.40	80.78 74.78 (8" VIT) 91.36 82.51 (8" VIT) 82.46 (8" VIT) 76.99 71.79 (4" VIT) 93.80 85.83 (8" VIT) 85.68 78.48 (4" VIT) 77.63 (8" VIT) 88.40 79.60 (8" VIT) 79.70 (8" VIT) 65.23 49.73 (15" VIT)	80.78 74.78 (8" VIT) 74.73 (8" VIT) 91.36 82.51 (8" VIT) 82.46 (8" VIT) 76.99 71.79 (4" VIT) 71.59 (8" VIT) 93.80 85.83 (8" VIT) 84.59 (8" VIT) 85.68 78.48 (4" VIT) 77.53 (8" VIT) 88.40 79.60 (8" VIT) 79.70 (8" VIT) 65.23 49.73 (15" VIT) 49.23 (18" VIT)	80.78         74.78 (8" VIT)         74.73 (8" VIT)         75.93           91.36         82.51 (8" VIT) 82.46 (8" VIT)         82.46 (8" VIT)         83.01           76.99         71.79 (4" VIT)         71.59 (8" VIT)         72.09           93.80         85.83 (8" VIT)         84.59 (8" VIT)         77.77           85.68         78.48 (4" VIT) 77.63 (8" VIT)         77.53 (8" VIT)         77.78           88.40         79.60 (8" VIT) 79.70 (8" VIT)         79.55 (8" VIT) 79.70 (8" VIT)         79.55 (8" VIT) 49.23 (18" VIT)         50.13

## EXISTING STORMDRAIN STRUCTURE TABLE

LNIO	IIIVO C	TORMUNAN	SINGCIONE	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	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	① 49.7
SMH-2	68.0	58.52	58.42
SMH-3 6' DIA (DROP)	84.70	T2,87	68.82
5MH-4	85.30	74.72	74.62
5MH-5	85.2	76.50	76.40
SMH-6	883	19.60	79.50

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

### PROPOSED SEWER PIPE TABLE

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

STRUCTURE	RIM	INV. IN	INV. OUT
STM MH-1 1' DIA: (DROP)	74.0	62.78	58.79 (48")
STM MH-2 6' DIA.	74.0	63.12	63.02
C5-1	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	PI.IT
CB-3	84.7	18.05	77.95
CB-4	84.6	7928	79.18
CB-5	84.6	79.48	7938
CB-6	84.6	-	79.72
HIL-2		74.77	76.27
CB-1		-	762
CB-8		75.73	75.63
CB-9		7520	75.13
CB-10	18.1	75.8	75.8
CB-II	78,7		76.91
CB-12	76.5		72.5
CB-13	79.7	75.68	75.58
CB-14	79.7		76.31
CB-15	81.9	76.36	7626
CB-16	81.9	. :	76.6
CB-17	87.9		82.4
CB-18	6930	6626 (12"SD) 6438	6428
CB-19	71.0	65.24	65.14
CB-20	69.50		66.40
C5-2	78.0	72.50	72.0
STM TECH-2	84.6	73.67	73.57
5TM MH-4	84.7	74.09 76.09 (12"5D)	73,99
5TM MH-5	85.8	75.78	75.68
STM MH-6	85.8	78.Ø	77.9
CB-21	842	18.3	78.2
CB-22	84.5		80.6
CB-23	845	80.00	79.9
C5-3	85.4	80.00	80.00
HIL-3	84.8	18.51	80.01
CB-24	83.5	78.92	18.82
CB-25	83.0	79.50	19,40
CB-26	89.5	1.	81.94
CB-21	88.8		83.7

## TABLE PROPOSED STORMDRAIN PIPE TABLE

PIPE	SIZE (IN)	LENGTH (FT)	SLOPE (FT/FT)
SD-1	48"	14'	36
5D-2	36"	24'	.01
SD-3	24"	53'	.1845 (TO CONTROL STRUCTURE)
SD-4	24"	6'	.0117
5D-5	24"	421	.0236
SD-6	18"	41'	.006
SD-7	18"	126'	.01
5D-8	18"	66'	.ØI
SD-9	15"	226'	<i>.00</i> 5
SD-10	15"	6'	.01
SD-11	12"	24'	.ØI
SD-12	24"	40'	.005
SD-13	18"	13'	<i>.00</i> 5
SD-14	15"	76'	.005
SD-15	1211	126'	.005
5D-16	15"	86'	<i>.</i> 005
SD-17	12"	93'	.005
SD-18	12"	22'	.005
5D-18A	12"	14'	.005
SD-19	12"	96'	.06
SD-20	12"	58'	<i>@</i> I
5D-21	12"	168'	.036
5D-22	12"	24'	.01
SD-23	24"	1161	<b>@</b> 1
5D-24	18"	76'	<i>.</i> Ø1
5D-25	18"	90'	<i>.</i> Ø15
5D-26	24"	16'	.02
5D-26A	12"	22'	.096
5D-27	24"	2061	<i>.</i> 0011
5D-27A	12"	23Ø'	.01
SD-28	18"	212'	.01
5D-29	6"	200'	.005
5D-3Ø	18"SD	110'	000
5D-30A	6"DI	40'	
5D-31	24"	201	000
SD-32	18"	50'	<i>_00</i> 5
SD-33	15"	96'	.005
5D-34	12"	1061	.023
SD-35	12"	150'	.Ø28
5D-36	12"	90'	<i>Ø</i> 23





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One Chotols (Street)
Westbrook 1869-1339
14 (207) 886-2277

STRUCTURE TABLES

OF:
PINE TREE SHOPPING CENTER

POST BRIGHTON AVENUE
PORT.
PO

SHEET 6

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

3. THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE CITY OF PORTLAND PARKS AND PUBLIC WORKS INSPECTION SERVICES DIVISION IN WAITING THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION (2014-8320 EXT. 8338). SHOULD THE INTROVEMENTS DE OF SIGNIFICANT CONCERN OR IN A SENSITIVE AREA, A PRE-CONSTRUCTION HEETING MAY BE REQUIRED AT THE DISCRETION OF THE PUBLIC WORKS AUTOPORTY.

4. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST SE 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 TRAFFIC.

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

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 PROPERLY PROTECTED AT ALL THIRES DURING CONSTRUCTION TO INSURE THEIR INTEGRITY. FO INSTRUCED THEY SHALL BE REPLACED BY A SURVEYOR REGISTERED IN THE STATE OF MAINE AT THE CONTRACTOR/DEVELOPERS EXPENSE.

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

12. THE ENTIRE SITE SHALL BE DEVELOPED AND/OR MAINTAINED AS DEPICTED ON THE SITE PLAN, APPROVAL OF THE PLANNING AUTHORITY OR PLANNING BOARD SHALL BE REQUIRED FOR ANY ALTERATIONS TO OR DEVIATIONS FROM THE APPROVED SITE FLAN, INCLUDING, UITHOUT INITIATION, TOPOGRAPHY, DRAINAGE, LANDSCAPING, RETENTION OF WOODED OR LAWN AREAS, ACCESS SIZE, LOCATION AND SURFACING OF PARKING, AREAS, AND 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 SUBJULT CONTRACTOR SHALL FERFORM AN ABOVE GROUND VISUAL HISPECTION PRIOR TO CONSTBUCTION TO CORFIER'T THE AVAILABLE INFORTATION AND NOTIFY THE BYSINEER OF ANY INCONSISTENCIES. CONTRACTOR SHALL NOTIFY AND CONFILLY UNITH DISSAFE REQUIREMENTS.

2. UTILITIES SHOWN 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 SHOWN.

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 WORK (MILESS SHOWN TO REMAIN) SHALL BE DEFICUSHED. THIS INCLUDES EXISTING PAVING, CARBING, SIDEMAKES, AND AGGREGATE BASE TO THE EXTENT NECESSARY TO SUPPORT THE PROPOSED DESIGN.

5. THE CONTRACTOR 15 ENCOURAGED TO SAVE AND REUSE OR RECYCLE MATERIALS FROM THE DEMOLITION AREAS, INCLUDING RECYCLING OF PAVEHENT AND CONCRETE, VERTICAL GRANITE CURB, SIGNS, SITE FURNISHINGS, AND OTHER MATERIALS.

6. ALL UTILITIES NOT IDENTIFIED TO REMAIN SHALL BE CAPPED AND/OR APPROPRIATELY DISCONNECTED AND ABANDONED IN PLACE.

1. EXISTING UTILITY LINES (OPERATIVE OR ABANDONED) LOCATED WITHIN THE AREA OF THE PROPOSED BUILDINGS SHALL BE REPIOVED SITE CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING 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

IO. SAW CUT PAVEMENT AT THE LIMITS OF DEMOLITION IN ACCORDANCE WITH THE PAVEMENT JOINT DETAIL ON THE PLAN SET.

II, ANY QUESTIONS ON THE EXTENT OF SURFACE OR SUBSURFACE DEMOLITION SHALL BE PRESENTED TO THE ENGINEER.

12. ALL DISTURBED AREAS NOT SUBJECT TO BUILDING CONSTRUCTION OR PAYING SHALL BE LOAMED, SEEDED AND MULCHED.

WINTER CONSTRUCTION NOTES

THE WINTER CONSTRUCTION PERIOD IS FROM NOVEMBER! I THROUGH AFRIL IS, IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAYEMENT, A ROAD GRAVEL BASE, 198 MATURE VEGETATION COVER OR RIPPRAP BY NOVEMBER. IS, THEN THE SITE NEEDS TO BE PROTECTED WITH OVER-WINTER STABILIZATION, AM AREA CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAYEMENT, VEGETATION, MULCHING, EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A ROAD.

WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN I ACRE OF THE STITE IS WITHOUT STABILIZATION AT ANY ONE THE LIMIT THE EXPOSED AREA TO THOSE AREAS N WHICH WORK IS EXPECTED TO BE WORK TAKE DURING THE PROCEEDING IS DAYS AND TICAM BE MULLCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.

ALL AREAS SHALL BE CONSIDERED TO BE DENIDED UNTIL THE SUBBASE GRAVEL IS INSTALLED IN ROADWAY AREAS, OR THE AREAS OF FUTURE LOAND SEED HAVP BEEN LOAND, SEED HAV AND SEED HAVP BEEN LOAND. SEED HAVP AND STRAIL MULCH RATE SHALL BE A MINIMUM OF BY LBS/1/2/00 5F, (3 TONS/ACRE) A SHALL BE FOOFERLY AND CHORED.

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.

CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, IN ORDER TO MINIMIZE AREAS WITHOUT EROSION CONTROL PROTECTION.

STOCKPILES OF SOIL OR SUBSOIL WILL BE PULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRUM AT MUCE THE NORMAL RATE OR AT THE PROPERTY OF STRUM AT MUCH THE SUBSOIL AS TO SEE A WOODWLASTE EROSION CONTROL HIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED FRIOR TO ANY RAINFALL OR SNOWBALL.

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 THE MATURE YEGETATION CATCH, SHALL BE MULCHED BY DECEMBER I AND ANCHORED WITH PLASTIC NETTING, OR PROTECTED WITH EROSION CONTROL MATS.

DURING WINTER CONSTRUCTION, A DOUBLE LINE OF SEDIMENT BARRIERS (I.E., SILT FENCE BACKED WITH HAY BALES OR EROSI-CONTROL INV.) WILL BE IF LACED BETWEEN ANY NATURAL RESOUR AND THE DISTURBED AREA.

PROJECTS CROSSING THE NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 1600 FEET ON EITHER SIDE FROM THE RESOURCE. EXISTING PROJECTS NOT STABILIZED BY DECEMBER 1 SHALL BE FROTECTED WITH THE SECOND LINE OF SEDIMENT BARRIER TO ENSURE FUNCTIONALITY DURING THE SFRING THAW AND RAINS.

3. SEDIMENT BARRIERS

DURING FROZEN CONDITIONS, SEDIMENT BARRIERS SHALL CONSIST OF WOODWASTE FILTER BERMS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES AND SEDIMENT SILT FENCES.

AL AREAS SHALL BE CONSIDERED TO BE DENIDED UNTIL AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND MILCHED, FUTURE LOAD STANDARD OF THE SEEDED AND THICKER LOOD SP. OR 3 TONS/ACRE (TRILLET HE NORMAL ACCEPTED RATE OF 15-LB51/800 SF, OR 15 TONS/ACRE) AND SHALL BE PROFERLY ANCHORED.

MULCH SHALL NOT BE SPREAD ON TOP OF SNOW, THE SNOW WILL BE REMOVED DOWN TO A ONE-INCH DEPTH OR LESS PRIOR TO APPLICATION.

AFTER EACH DAY OF FINAL GRADING, THE AREA WILL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW, OR EROSION CONTROL

AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN MILCHED WITH STRAW OR HAY AT A RATE OF BO LB. PER 1900 95. (3 TONS/ACRE) AND ADECIDIATELY ANCHORED SO THAT GROWND SURFACE IS NOT VISIBLE THOUGH THE MULCH.

BETWEEN THE DATES OF NOVEMBER I AND APRIL IS, ALL MULCH SHALL BE ANCHORED BY EITHER FEG LINE, MILCH NETTING, ASPHALT PULISION CHEMICAL, TRACK OR WOOD CELLULIOSE FIBER WHEN 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 APPLIED AT A RATE OF 230 LBS/1,000 SF. ON ALL SLOPES GREATER THAN 8%.
MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE
MAYS 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.

BETIJEEN THE DATES OF OCTOBER IS AND AFRIL I, LOAM OR SEED WILL NOT BE REQUIRED, DURING FERIODS OF ABOVE FREEZING TEPPERATURES, FINISHED AREAS SHALL BE FINE GRADED AND EITHER FROTECTED WITH MILCH, OR TEPPORARILY SEEDED AND MILCHED WITH SUCH THE AS THE FINAL TREATHENT CAN BE AFFILED, IF THE DATE AFTER NOVEL SHEED WITH A INTERCHAPE OF THE PROPERTY OF

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/1000 5 F. ALL AREAS SEEDED DURING THE WINTER WILL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH, ALL AREAS SUFFICIENTLY VEGETATED (LESS THAN TSN. 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.

T TRENCH DEIIIATERING AND TEMPORARY STREAM DIVERSION

WATER FROM CONSTRUCTION TRENCH DEWATERING OR TEMPORARY STREAM DIVERSION WILL PASS FIRST THROUGH A FILTER BAG OR SECONDARY CONTAINENT STRUCTURE (E.G., HAY BALL LINED POOL) PRIOR TO DISCHARGE. THE DISCHARGE SITE SHALL BE SELECTED TO AVOID FLOODING, LONG, AND SOTHERN DISCHARGES TO FROTECTED RESOURCE. IN NO CASS SHALL THE FILTER BAG OR CONTAINTENT 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 RANNALL, SNOW STORM OF PERIOD OF THAINING AND RANCET, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL INSURED THE SHALL BE PERSON OF ALL INSPECTION AS AS NEEDED TO ENGUINE THERE.

FOLLOWING THE TEMPORARY AND OR FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL IN THE SPRING INSPECT AND REPAIR ANY DAMAGES AND/OR UNBSTABLISHED SPOTS, ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 85 TO 30 PERCENT OF AREAS VEGETATED WITH VIGOROUS GROUTH.

STANDARDS FOR TIMELY STABILIZATION OF CONSTRUCTION SITES DURING WINTER

I. 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, IF THE SITE APPLICANT WILL TAKE ONE OF THE FOLLOWING 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 OCTOBER I. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT SETURES THE SOD AND UNDERLYING SOIL WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL, AND ANCHORNING THE SOD WITH JUTE OR PLASTIC MESH TO PREVENT THE SOD STRIPS FROM SLOUGHING DURING FLOW CONDITIONS.

INSTALL A STONE LINING IN THE DITCH. THE APPLICANT WILL LINE THE DITCH WITH STONE RIPRAP BY NOVEMBER IS. THE APPLICANT WILL HIRE A REGISTERED PROPERSISONAL ENGINEER TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW YELGCHIES AND FLOW DEPTHS WITHIN THE DITCH. IN RECESSARY, THE APPLICANT WILL REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING SO TO PREVENT 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 HAVING A GRADE GREATER THAN ISA TO BE A SLOPE. IF THE APPLICANT FAILS 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 WINTER:

STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS: BY OCTOBER I, THE APPLICANT WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS FER 18/80 SQUARE FEET AND APPLY EROSION CONTROL MATS OVER THE MILCHED SLOPE. THE APPLICANT WILL MONITOR GROWN OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 13%, OF THE DISTURBED SLOPE BY NOVEMBER I, THEN THE APPLICANT WILL COVER THE SLOPE WITH A LATER OF WOODDWASTE COMPOST AS DESCRIBED IN ITEM II OF THIS CONDITION OR WITH STONE RIPRAP AS DESCRIBED IN ITEM IV OF THIS CONDITION OR WITH STONE RIPRAP AS DESCRIBED IN ITEM IV OF THIS

STABILIZE THE SLOPE WITH SOD. THE APPLICANT WILL STABILIZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY OCTOBER I. PROPER INSTALLATION INCLUDES THE APPLICANT PRINNE THE SOD ONTO THE SLOPE WITH WIRE PINS ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND INDEEDE THE SOT THE SHOPE WITH WITH THE PINS THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE SHOP THE STABILIZE SLOPE SHAPING A GRADE GREATER THAN 33% (3HIV).

STABILIZE THE SLOPE WITH WOODWASTE COMPOST: THE APPLICANT WILL PILACE A SIX-INCH LATER OF WOODWASTE COMPOST ON THE SLOPE BY NOVEMBER B: PRIOR TO PILACING THE WOODWASTE COMPOST, THE APPLICANT WILL REMOVE ANY SHOW ACCUPULATION ON THE DISTURBED SLOPE. THE APPLICANT WILL NOT USE WOODWASTE COMPOST TO STABILIZE SLOPES HAVING GRADED REALTHAND SOS CANNOY OR HAVING GRACUPULATER SEEPS ON THE

STABILIZE THE SLOPE WITH STONE RIPRAP: THE APPLICANT WILL PLACE A LAYER OF STONE RIPRAPA ON THE SLOPE BY NOVEMBER IS. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY AND TO DESIGN A FILTER LAYER FOR WIDERWATH 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 15%. 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 WINTERN

FOR LATE FALL AND WINIEM

STABILIZE THE SOIL WITH TEMPORARY VEGETATION. BY OCTOBER!

THE APPLICANT WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT
A SEEDING RATE OF 3 POUNTS FER IGNO SOULARE THE THE THE MENT OF SOILARE

FEET AND ANCHOR THE MULCH WITH FLASTIC NETTING. THE WOP SOULARE

FEET AND ANCHOR THE MULCH WITH FLASTIC NETTING. THE WENT 30

DAYS. IF THE RYE FALLS GROW AT LEAST INREED ROLFES OR COVER AT

LEAST 15% OF THE DISTURBED SOIL BEFORE NOVEMBER IS, THEN THE

APPLICANT WILL MUCH THE AREA FOR OVER-WINTER PROTECTION AS

DESCRIBED IN ITEM III OF THIS STANDARD.

STABILIZE THE SOIL WITH SOD: THE APPLICANT WILL STABILIZE THE DISTURBED SOIL WITH PROFERLY INSTALLED SOO BY COTOBER! PROPER INSTALLATION NOLLDES THE APPLICANT PINNING THE SOO ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOO TO GLIARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOO 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 160 POUNDS FER 1600 SOULARE FEET ON THE AREA THAT NO SOIL IS VISIBLE THROUSH THE MULCH. PRIOR TO APPLYING THE MULCH, THE APPLICANT WILL REPLOX BAY SHOW ACCUMILATION ON THE DISTURBED AREA, IMMEDIATELY AFTER APPLICANT WILL APPLICANT THE MULCH HE MULCH HE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

#### CONSTRUCTION NOTES

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

2. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIM OR HERSELF BITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF, HOW CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIM OR HERSELF BITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK HAY BE ACCOMPLISHED AS SHOUND PRIOR TO PROCEED BY CONTRACT OF THE PROPERTY OF SHALL SHALL HE OF THE PROPERTY OF SHALL SHALL HE OF THE PROPERTY OF THE COMPENSION OF THE ENGINEER PRIOR TO THE COMPENSION OF THE ENGINEER PRIOR TO THE COMPENSIONEMENT OF MICROSCOPIES.

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

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

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

6. CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMENT DEPOSITED ON PUBLIC STREETS, SIDEULALKS, 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 SITE STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL CONDITION AND AS DIRECTED BY DESIGN DRAWING.

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

3 ALL EROSION AND SEDMENT CONTROL MEASURES SHALL BE NSTALLED IN ACCORDANCE WITH MAINE EROSION AND SEDMENTATION CONTROL HANDBOOK FOR CONSTRUCTIONS BEST MANAGEMENT PRACTICES" FUBILISHED BY THE CHIPERLAND COUNTY SOIL AND MAINE CONSERVATION PISTRICT AND MAINE DEPARTMENT OF EVIVIRONMENTAL PROTECTION, MARCH 1991 OR LATEST EDITION IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL

PLAN AT ALL TIMES.

10. THE CONTRACTOR IS HEREBY CAUTIONED THAT ALL SITE FEATURES SHOUN HEREBY ARE BASED ON FIELD OBSERVATIONS BY THE SURVEYOR AND BY INFORMATION FROW DED BY UTILITIES BEING SHOULD BE AND BY INFORMATION FROW DED BY UTILITIES BEING EVALOT RECOVERED THE CONTRACTOR SHALL CONTACT DIS SATE (1-889-DISSARE) AT LEAST THREE (3) BUT NOT MORE THAN THIRTY (30) DAT'S PRICK TO CONTRIBUTED TO FEXCAVATION OR DEMOLITION TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES. CONTRACTORS SHALL BE RESPONSIBLE FOR CONTRIBUTION OF AN EXISTING UTILITIES WHICH SHOULD BE THE RESPONSIBLE TO THE CONTRACTOR OF AN EXISTING UTILITIES WHICH CONFILOR THAT THE PROPOSED INFORMATION THE CONTRACTOR PRICKET OR RECOVERED IMPROVEMENTS SHOUND ON THESE PLANS. IF A UTILITY CONFILCT ARISES, THE CONTRACTOR SHALL INMEDIATELY NOTIFY THE OUNER, THE MUNICIPALITY AND APPROPRICATE UTILITY TO PROCEEDING WITH ANY RELOCATION.

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 OVERNIGHT IN ANY EXCAVATION ACCESSIBLE TO THE PUBLIC OR IN PUBLIC RIGHTS-OF-WAY.

M. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL REQUIRE A MD.O.T. PERMIT AS WELL AS FERMITS FROM THE MUNICIPALITY AS AFRICABLE.

IS THE PROPOSED LIMITS OF CLEARING SHOWN 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 SHOWN TREE REMOVAL OUTSIDE OF THE LIMITS OF CLEARING MAY BE NECESSARY TO REMOVE DEAD OR DYING TREES OR TREE LIMITS AND REMOVED DEAD OR DYING TREES OR TREE LIMITS. THIS REMOVAL IS DUE TO POTENTIAL SAFETY HAZARDS AND TO PROMOTE PROPER FOREST GROWTH.

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

TI. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REMOVAL, REPLACEMENT AND RECTRICATION OF ALL DAMAGED AND DEFECTIVE HATERALISM. THE CONTRACTOR SHALL SHA

IB, ALL WORK PERFORMED BY THE GENERAL CONTRACTOR AND/OR TRADE SUBCONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF LOCAL, STATE OR REDERAL LAUS, AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED ON THE DRAWINGS.

19. 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 REFERENCE IS HADE TO THE RILING AND JUDGEMENT OF SEBAGO TECHNICS, INC.

20, THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY 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 FLANS NOT AUTHORIZED BY THE ARCHITECT/ENGINEER AND/OR CLIENT/OUNER.

24, BEFORE THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL EQUIPTION AND MATERIALS, REPAIR OR REPLACE OR REPLACE OR REPLACE OR REPLACE OR OBSTROYTED DURING CONSTRUCTION, CLEAN THE AREAS WITHIN AND ADJACENT TO THE PROJECT WHICH HAVE BEEN OBSTRUCTED BY HISHER OPERATIONS, AND LEAVE T PROJECT SHALL PROJECT WHICH ALVE DEEN OBSTRUCTED BY HISHER OPERATIONS, AND LEAVE T PROJECT SHALL PROJECT WHICH

#### EROSION AND SEDIMENTATION CONTROL NOTES

A PRE-CONSTRUCTION PHASE

PRIOR TO THE BESINNES OF ANY CONSTRUCTION, HILTER PASRIC FENCING (SILT FENCE) WILL BE STAKED ALFONS THE SILOFFE'S), ON THE CONTOUR AT A STAKED ALFONS THE SILOFFE'S), ON THE CONTOUR AT A STAKED ALFONS THE SILOFFE'S), ON THE CONTOUR AT A STAKED ALFONS TO PROTECT OF A STAKED ALFONS THE SILOFFE TO PROTECT AS A STAKED ALL BE COMPLETED IN ACCORDANCE WITH GUIDELINES ESTABLISHED IN BEST HANAGETHENT FRACTICES AND IN ACCORDANCE WITH THE REPOSION CONTROL. PLAN AND DETAILS IN THE FLAN SET. THIS NETWORK IS TO SET MAILTHANDED BY THE CONTRACTOR WITH ALL SHOPPOSED SILOFFE HAY AT ILLEST SISS—SINC VIGOROUS PERRINNIAL VEGETATIVE COVER TO PREVENTIAL PROTECTION.

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.

TRACKING OF MUD, DUST AND DEBRIS FROM THE SITE.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A DETAILED SCHEDULE AND MARKED UP PLAN INDICATING AREAS AND COMPONENTS OF THE WORK AND KEY DATES SHOUNG DATE OF DISTURBANCE AND COMPLETION OF THE WORK. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION HEERS IN THE FUR AND THE CONFIES OF THE CONSTRUCTION HEERS IN THE FUR AND THE CONFIES OF THE SCHEDULE A PRE-CONSTRUCTION HEERS IN THE SCHEDULE PRE-CONSTRUCTION HEERS IN THE SCHEDULE PRE-CONSTRUCTION HEERS IN THE SCHEDULE PRE-CONSTRUCTION HEERS IN SPECIAL ATTENTION SHALL BE GIVEN TO THE 14-DAY LIMIT OF DISTURBANCE IN THE SCHEDULE ADDRESSING TEMPORARY AND PERMANENT VEGETATION MEASURES.

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 PHAGE

1.A AREAS INDEPRISONS ACTUAL CONSTRUCTION SHALL ONLY EXPOSE THAT
AMOUNT OF MINERAL. SOIL NECESSARY FOR PROGRESSIVE AND EFFICIENT
CONSTRUCTION AND SHALL NOT EXCESS II-ADAYS, AREAS THAT MULL NOT
BE COMPLETED (CONSTRED AND/OR FINISH GRADED) WITHIN FOURTEEN (14)
DAYS OF DISTURBANCE SHALL BE ANCHORED WITH EMPORARY BEROSION
CONTROL. BLANKET OR MULCH AS DIRECTED BY THE INSPECTING BYGINER
AND AS SHOUN ON THE DESIGN PLANS. IF MULCH IS USED, HAY OR STRAW
MULCH SHALL BE APPLIED SUCH THAT THE AREAS SHALL BE SUFFICIENTLY
SHALL BE KEPT MOIST TO AVOID ANY VISIBLE SOIL. EXPOSURE, HULCH
SHALL BE KEPT MOIST TO AVOID ANY VISIBLE SOIL EXPOSURE, HULCH
SHALL BE KEPT MOIST TO AVOID ANY VISIBLE SOIL EXPOSURE, HULCH
AND IN SOME SHALL BE APPLIED IN THE BASE OF ALL GRASSED MATERIATS
AND IN SOME SHALL BE APPLIED IN THE BASE OF ALL GRASSED MATERIATS
AND IN SOME SHALL BE APPLIED IN THE BASE OF ALL GRASSED WATERIATS
AND IN SOME SHALL BE ARCHAEL BY A SHALL BE APPLIED TO THE OFFICE OF A SHALL BY THE SHALL BY A SHALL BE ARCHAEL BY THE SHOULD BE SHOUND THE SHALL BY THE SHALL BY A SHALL BY THE SHALL BY THE SHOULD BE SHOULD BY THE SHOULD BE SHOULD BE SHOULD BE SHOULD BE SHOULD BE SHOULD BY THE SHOULD BE SHOUL

WITHIN SEVEN (1) DATS.

B. F) DISTRIBED AREAS DO NOT RECEIVE FINAL SEEDING BY SEPTEMBER BIT IOT THE YEAR OF CONSTRUCTION THEN ALL DISTRIBED AREAS SHALL BE SEEDED WITH A WINTER COVER CROP OF RYE AT THE RATE OF SLESH,000 5F. TO PROVIDE WINTER PROTECTION. WINTER SEEDINGS SHALL BE COVERED WITH MILLOT SUCH THAT NO SOIL IS VISIBLE. BROSTON CONTROL BLANKETS SHALL BE USED IN THE BASE OF ALL GRASSED WATERWAYS, ON SLOPES COULA TO OR GREATER THAN 18, AND ANY DISTRIBED AREAS WITHIN 100' OF WEILANDS OR STREAMS. BROSTON CONTROL BLANKETS SHALL ALSO BE APPLIED FOR ADDITIONAL WINTER PROTECTION ALONG SIDE SLOPE OF GRASSED WATERWAYS AND IN ALL AREAS EQUAL TO OR GREATER THAN 89, SLOPE.

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

2) ALL TOPSOIL SHALL BE COLLECTED, STOCKPILED, SEEDED WITH RYE AT 31.B51,0000 5F, AND MILCHED, AND RE-USED AS REQUIRED. SILTATION FENCING SHALL BE FLACED DOUN GRADIENT FROM STOCKPILED LOAM, LOAM SHALL BE STOCKPILED AT LOCATIONS DESIGNATED BY THE OWNER AND LOAM SHALL BE STOCKPILED AT LOCATIONS DESIGNATED BY THE OWNER AND LOAM, FENCINS PITTIN INSPECTING ENGINEER.

3.) ALL SILT FENCES SHALL BE INSTALLED ACCORDING TO THIS FLAN. THIS SHALL BE MAINTAINED DURING DEVELOPMENT TO REMOVE SEDMENT FROM RUNGE MAINTAINED BUTCHES SHALL BE INSTECLED BEFORE THE ANY RAINFALL OR RUNGET EVENT, MAINTAINED AND CLEAR SHALL ALL AREAS HAVE LEAST 8981-3996 VIGOROUS PERENNIAL VEGETATIVE COVER OF GRASSES.

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

5.) STONE CHECK DAMS MAY BE REMOVED ONLY AFTER THE ROADWAYS ARE PAYED AND THE VEGETATED SWALES ARE ESTABLISHED WITH AT LEAST 858-926 OF VIGOROUS PERENNIAL GROUTH.

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

C. VEGETATION PLAN

REVEGETATION MEASURES SHALL COMMENCE IMMEDIATELY UPON COMPLETION OF CONSTRUCTION OF THE ROADULAY IMPROVEMENTS. DISTURBED AREAS SHALL ALSO BE MILCHED AND ANTHORED PRIOR TO ANY STORM EVENT. SEE MILCHING REQUIREMENTS IN SECTION B (IA) ABOVE. IF SHALL SEEDS OF A CANOMIC SHEED BY SEPTEMBER BITH, THEN ALL DISTURBED AREAS SHALL BE SEEDED WITH A WINTER COVER CROP AT THE RATE OF A IBSAINED SET SET PROVIDE WINTER PROTECTION. SEEDED AREAS SHALL BE COVERED WITH EROSION CONTROL MESH. SEED SECTION BE

I.) FOUR (4) INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SHOOTHED TO A WINFORT SURFACE. LOAM SHALL BE FREE OF SUBSOIL, CLAY LUMPS, STORES AND OTHER OBJECTS OVER I'N DIAMETER, AND WITHOUT WEEDS, ROOTS OR OTHER OBJECTS OVER OBJECTS OVER OBJECTS OVER OF THE OBJECTS OF THE OBJECTS OF THE OBJECTS OF THE OBJECT OF THE OBJECTS OF THE OBJECT OF TH

2.) SOILS TESTS SHALL BE TAKEN AT THE TIME OF SOIL STRIPPING TO DETERTINE FRETULIZATION REQUIREMENTS, SOILS TEST SHALL BE TAKEN PROPRIPTLY AS TO NOT INTERFERE WITH THE H-DAY LIMIT ON SOIL EXPOSURE. BASED UPON TEST RESULTS, SOIL AMENDMENTS SHALL BE INCORPORATED INTO THE SOIL PRIOR TO FINAL SEEDING, IN LIEU OF SOIL TESTS, SOIL AMENDMENTS MAY BE APPLIED AS FOLLOUS.

ITEM APPLICATION RATE 10-20-20 FERTILIZER 18.4 LB5./1,000 SF. (N-F205-K20 OR EQUAL)

GROUND LIMESTONE (50% 138 LB5/1,000 SF. CALCIUM 4 MAGNESIUM OXIDE)

3.) FOLLOWING SEED BED FREPARATION, SWALE AREAS, FILL AREAS AND BACK SLOPES SHALL BE SEEDED AT A RATE OF 3LB51,004 SF, WITH A HIXTURE OF 35%, OREEPING RED FESCUE, 6% RED 10P, 24 % KENTUCKY BLUEGRASS, 10% PERENNIAL RYEGRASS, 20% ANNUAL RYEGRASS AND 5% WHITE DUTCH CLOVER.

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 EMBINEER AT HIS/AER DISCRETION MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AND/OR SUPPLEMENTAL VECETATIVE PROVISIONS TO MAINTAIN STABILITY OF EARTHURDES AND INSIGH-GRADED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INTIALLING AND PIPLEMENTAL MEASURES AS DIRECTED BY THE INSPECTING ENGINEER. FAILURE TO COMPLY WITH THE ENGINEER'S DIRECTIONS WILL RESULT IN DISCONTINATION OF CONSTRUCTION ACTIVITIES.

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

D CONSTRUCTION SCHEDULE

91TE IMPROVEMENTS WILL MOST LIKELY BEGIN IN FALL OF 2004 DEPENDING UPON FINAL PROJECT APPROVAL. THE FOLLOWING SCHEDULE IS ANTICIPATED FOR THE CONSTRUCTION OF THE IMPROVEMENTS.

SCHEDULE

SCHEDULE
LESTINATED CONSTRUCTION TIME
2. EROSION CONTROL. MEASURES PILACED
3. SITE CLEARING AD GRUBBING
3. SITE CLEARING AD GRUBBING
LEEK 5 - LIEEK 5
LIEEK 5 - LIEEK 13 WEEK 1 - WEEK 24

1. ES IMAJED CONSTRUCTION THE JACED 3. 50 PM ALED CONSTRUCTION THE JOINT SET JACED 3. 50 PM ALED CONSTRUCTION FOR A GRIBBASE FOR ACCESS 5. UTILITY IMPROVEMENTS AND SITE CONSTRUCTION 6. MULCH SPREAD FOR WINTER EROSION CONTROL. 1. START FINAL SEEDINGS ON PREPARED AFEAS, (DURING GROWTH SEASON) MONITORING OF VICE TATUTE GROWTH 1. 19. RE-SEEDING OF AREAS, IF NEEDED 1. 19. RE-SEEDING OF AREAS, IF NEEDED 1. 19. RE-SEEDING OF AREAS, IF NEEDED 1. 19. REMOVAL OF EROSION CONTROL.

OCT, IS OF CONSTRUCTION YEAR WEEK 8 WEEK 10 WEEK 10 UPON FINAL PROJECT COMPLETION

· DATES ARE SUBJECT TO CHANGE AT THE DISCRETION OF THE ENGINEER, DEPENDING ON CONSTRUCTION PROGRESS.

E INSPECTIONS/MONITORING

E INSPECTIONSPICATIONEMS
MAINTENANCE PHEASURES SHALL BE APPLIED AS NEEDED DURING
THE ENTIRE CONSTRUCTION CYCLE AFTER EACH RAINFALL THE
CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL
INSTALLED EROSION
CONTROL THEASURES. THE CONTRACTOR SHALL PERFORM REPAIRS
AS NEEDED TO ALLOW CONTINUED PROPER RINCTIONING OF THE
BROSION CONTROL THEASURE. THE CONTRACTOR SHALL PROVIDE
THE MUNICIPALITY WITH WRITTEN DOCUMENTATION DESCRIBING
DATES OF INSPECTIONS AND NECESSARY FOLLOW-UP DUGNS TO
MAINTAIN EROSION CONTROL MEASURES MEETING THE
REQUIREMENTS OF THIS FLOR

FOLLOWING THE TEMPORARY AND/OR FINAL SEEDINGS, THE CONTRACTOR SHALL INSPECT THE WORK AREA SEMMONTHLY UNTIL THE SEEDINGS HAVE BEEN ESTABLISHED. ESTABLISHED MEANS A MINIMUM OF 85%-95% OF AREAS VEGETATED WITH VIGOROUS GROWTH. RESEEDINGS SHALL BE CARRIED OUT BY THE CONTRACTOR WITH FOLLOW-UP INSPECTIONS IN THE EVENT OF ANY FAILURES WITH VEGETATION IS ADECUATELY ESTABLISHED.

LEGEND

EXISTING	DESCRIPTION	PROPOSED	EXISTING	DESCRIPTION	PROPOSED
response that the same of the	PROPERTY/ROW			OVERHEAD	OHE 4T
	SETBACK			ELEC. 4 TEL.	
	EASEMENT			UNDERGROUND ELEC, & TEL.	UGE 4T
	CENTERLINE	_	5-0	GATE VALVE	ы
	MONUMENT	<b>8</b>	15	LIGHT POLE	*
	IRON PIPE/ROD	9	- Or	UTILITY POLE	-6-
	DRILLHOLE	•	-75-	HYDRANT	-0-
C1/L1	CURVE/LINE NO.	CI / LI	100		
3/2/3/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	BUILDING		40	CATCH BASIN	-
عاقد	WETLANDS		O(6)	MANHOLE	
0000000000000000	EDGE WETLAND			CULVERT -	12"5D
- region	SIGN	-	30.20	SPOT GRADE	+ 3020
	EDGE PAVEMENT			CHAIN LINK FENCE	
	GRAVEL ROAD			STOCKADE FENCE	
	CURBLINE		$\circ$	DECIDUOUS TREE	$\left( \times \right)$
ummun	TREELINE	uuuuu		DE01D0000 11422	$\odot$
	CONTOURS	124	<b>63</b>	CONIFEROUS TREE	(x)
	WATER	——W"8——	'V.3'		$\bigcirc$
· · · 8'S ·	SEWER	<del></del> 8"5		SILT FENCE -	SF
12 '50	STORM DRAIN	12"SD	Carrier Comment Management	GUARDRAIL	مـــهـــه
					~ ~ ~ ~



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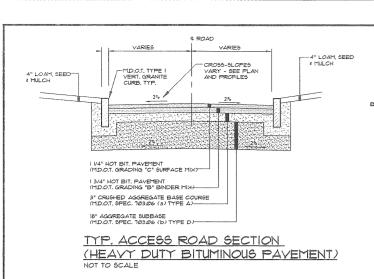
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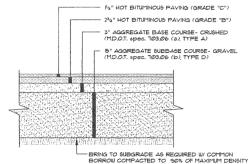
CENT SHOPPING AND OTES

TREE SHTON AV ), MAINE NOTES
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PORTLAND,
FOR:

05-11-04

SHEET 7 (

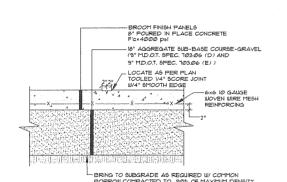




NOTES:

- 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.

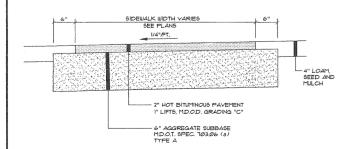
#### TYP. PARKING LOT SECTION (STANDARD DUTY BITUMINOUS PAVEMENT)



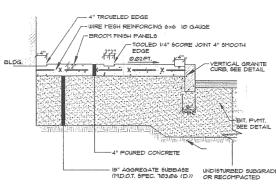
- NOTES:

  I. COMPACT GRAVEL SUBBASE 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 (CONCRETE PAVEMENT)

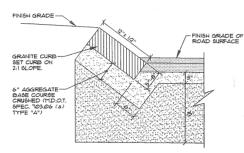


BITUMINOUS SIDEWALK



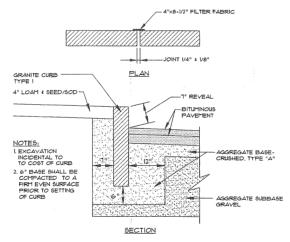
NOTE: NSTALL 5'-0" SQUARE AREA BY 4' DEEP OF FROST-FREE MATERIAL BELOW ALL HANDICAP RAMPS AND ENTRY POINTS AT BUILDING.

#### CONCRETE SIDEWALK WITH GRANITE CURB NOT TO SCALE

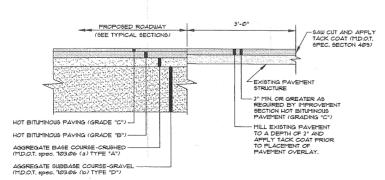


NOTE: REUSE EXISTING GRANITE CURB WHEN POSSIBLE

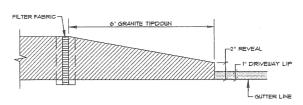
#### SLOPED GRANITE CURB (6x12) NOT TO SCALE



#### VERTICAL GRANITE CURB NOT TO SCALE



TYPICAL PAVEMENT JOINT DETAIL NOT TO SCALE



#### TYPICAL TIPDOWN CURB INSTALLATION NOT TO SCALE

/ 1/2" EXPANSION JOINT FILLER 70 70

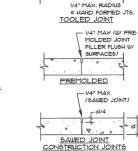
INSTALL 1/2" x 12"L @ 24" @C SMOOTH STEE DOUEL W GREASE AT ONE END - INSTALL WHEN REG'D BY SOILS ENGINEER. NOTE: USE AT ALL FIXED OBJECTS

WITHIN OR ABUTTING PAVED AREA. ISOLATION EXPANSION JOINT

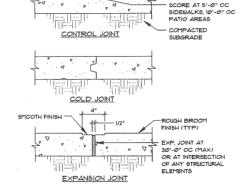
- ISOLATION EXPANSION JOINT
  GENERAL NOTES:

  1. POUR CONCRETE IN CHECKER BOARD FASHION
  AS PER JOINT LAYOUT (SEE FILAN)
  2. ALL LORIGIDINAL JOINTS HAT'DE CONST JOINTS
  AT CONTRACTORS OPTION TRANSVERSE CONSTR.
  JOINTS SHALL BE INSTALLED WIENEVER
  THE FILACING OF CONCRETE IS SUSPENDED A
  SUFFICIENT LENSTH OF THE THAT THE CONCRETE
  MAY BEGIN TO HARDEN.
  3. SEE ARCHITECTURAL & LANDSCAPE SITE
  FILANS FOR COLORED CONCRETE &
  DECORATIVE STAMPED PATTERN LOCATIONS,
  4. REPER TO SOILS INVESTIGATION REPORT
  FOR ADDITIONAL FAVERENT INSTALLATION

FOR ADDITIONAL PAVEMENT INSTALLATION SPECIFICATIONS



- 4" CONG. WALK (TYP)



3/8"

# CONTROL JOINT DETAILS

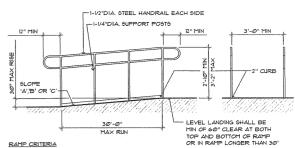
NOT TO SCALE TIP-DOWN CURB-6'-0" SIDEWALK 1:12 MAX. @@2 MIN PARALLEL TO SIDEWALK SEE PLAN SIDEWALK SIDEWALE Spring. <del>luudir</del> formiro

PERPENDICULAR TO SIDEWALK

-TIPDOWN (1:12)

HANDICAP RAMP NOT TO SCALE

PAINTED



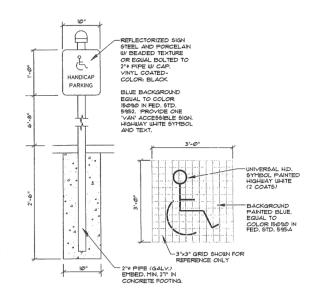
'B' SLOPE I-12 - I-20 : HANDRAILS & 2" HIGH CURB REQUIRED

NOTES:

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

# HANDICAP RAMP RAILING

NOT TO SCALE



HANDICAP SIGNS

ARD

Technics
nertise You Can Build On
hobot Street
No. 18 0 64098-1339 Sebago .

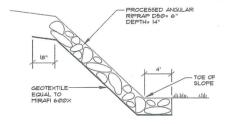
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TREE SHTON AV DETAILS
OF:
PINE TRE
1030 BRIGHTON
PORTLAND, MA

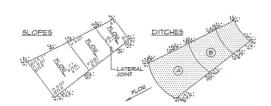
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TYPICAL DUMPSTER ENCLOSURE



SIDE SLOPE RIPRAP NOT TO SCALE

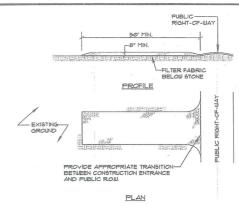


#### NOTES:

- I. 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.
- 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

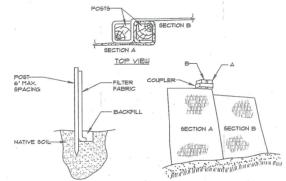
NOT TO SCALE



#### NOTES:

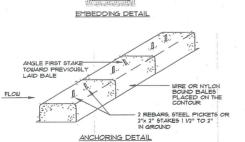
- STONE SIZE- AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2"), USE CRUSHED STONE.
- 2. LENGTH- AS SHOWN ON PLANS, MIN, 50 FEET,
- 3. THICKNESS- NOT LESS THAN EIGHT (8) INCHES.
- 4, WIDTH- NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS OR EGRESS.
- 5. MANTENANCE THE ENTRANCE SHALL BE MANTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY RECURRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MIST BE REMOVED INFECIALLY.

#### STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE



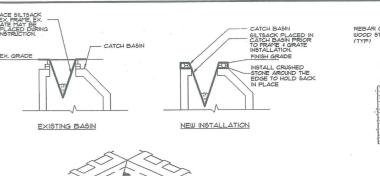
#### INSTALLATION:

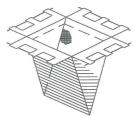
- I. EXCAVATE A 6"x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER
- 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
- 3, DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
- 4. LAT THE TOE-IN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



- 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",
  3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR REBARS
  DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL
  BE ANGLED TOWARD PREVIOUSLY LAW BALE TO FORCE BALES TOGETHER.
- . INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USERULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

HAY BALE BARRIER NOT TO SCALE

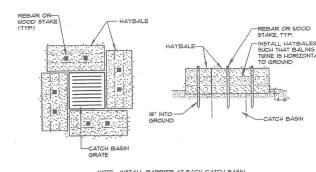




#### SILT SACK PROTECTION

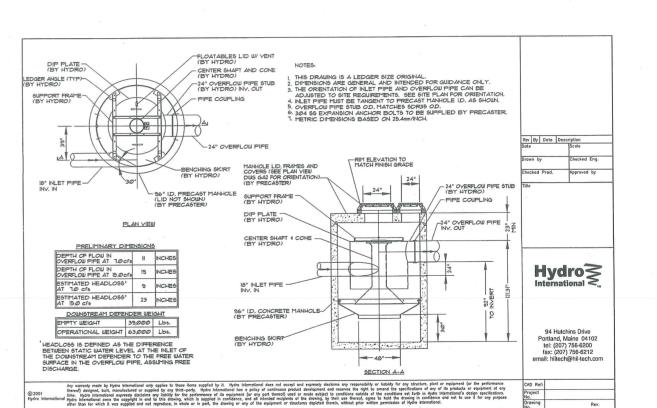
NOTES:
PRIOR TO FINAL GRADING AND PAYING OPERATIONS BEGIN, A CATCH
BASIN INSERT (SUCH AS A SILT SACK®OR A DANDY BAG®(I) HIST BE
INSTALLED IN EACH BASIN FER HANDFACTURES INSTRUCTIONS, HAY BALES
SHOULD BE REMOVED ONCE INSERTS ARE INSTALLED.

#### CATCH BASIN PROTECTION DETAIL (FOR PAVED AREAS) NOT TO SCALE



NOTE: INSTALL BARRIER AT EACH CATCH BASIN

# CATCH BASIN PROTECTION DETAIL (FOR UNPAYED AREAS)



HIL / DOWNSTREAM DEFENDER - 8-FT DIAMETER

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O Technics
Seperise You Can Build On Chapet Street
Cock, No 40088-1339
Cock, No 836-0277 Sebago
Engineering Exper
One Chal

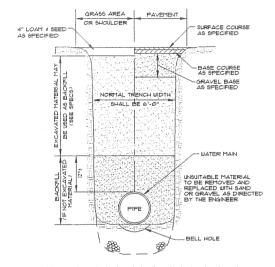
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OF:
PINE TRE
1030 BRIGHTON
PORTLAND, MAI

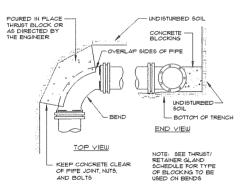
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# TYPICAL TRENCH SECTION



# SECTION THRU EARTH TRENCH



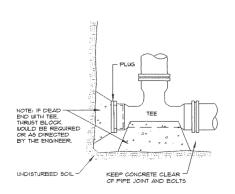
#### STANDARD BEND BLOCKING NOT TO SCALE

51/4

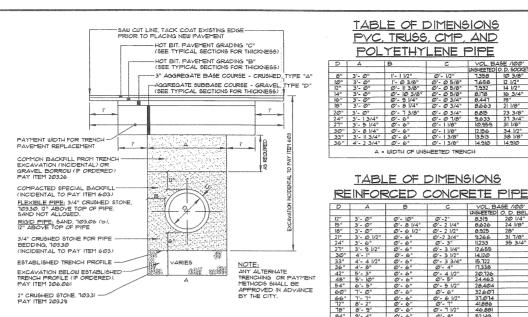
5", 6"

NOT TO SCALE

VALVE BOX & COVER



STANDARD TEE BLOCKING



# TYPICAL PIPE INSTALLATION DETAIL

714"

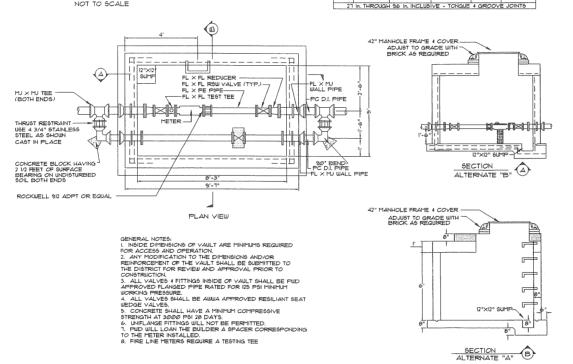
53/4"

DROP STYLE COVER £53/4

(NUMBERS ARE FOR 51/4" BUFFALO VALVE BOXES)

(BASE SECTION MAY BE USED

AS INTERMEDIATE SECTION



#### WATER METER PIT

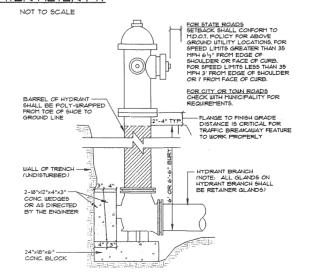


TABLE OF DIMENSIONS

PVC, TRUSS, CMP, AND

POLYETHYLENE PIPE

TABLE OF DIMENSIONS

MATCH PROPOSED PAVEMENT, -STRUCTURE OR LOAM AND SEED AS REQUIRED

CABLES TO BE ENCASED IN SCHEDULE 40 PVC CONDUI

TYPICAL UNDERGROUND

CABLE INSTALLATION

CLEAN BACKE

TELEPHONE CABLE

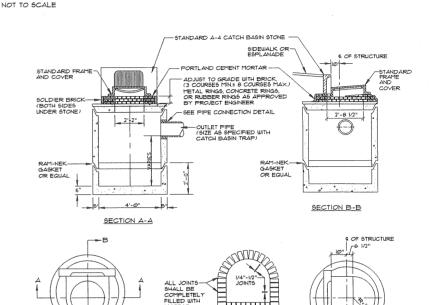
SECONDARY ELECTRICAL CABLES IN CONDUIT

- BEDDING OF SAND

#### TYPICAL HYDRANT INSTALLATION NOT TO SCALE

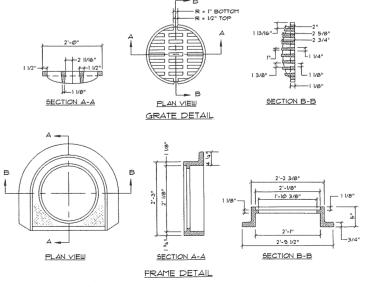
## GENERAL NOTES FOR MANHOLES AND CATCH BASINS

- ALL CONCRETE SHALL BE CLASS "A" AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF  $4000\,$  lbs, PER Sq. Inch at the end of 20 days, unless otherwise noted.
- PRECAST REINFORCED CONE BARREL MANUFACTURED PER ASTM SPEC. G-478-61
- 3. SEIJER BRICK SHALL CONFORM TO ASTM SPEC. DESIGNATE ON C-32-63, GRADE MA AND SA.
- 4. ALL MANHOLES SHALL HAVE A BITUMNOUS WATERPROOFING APPL TO THE EXTERIOR SURFACE IF CONSTRUCTED OF BRICK TASONEY. SURFACE SHALL BE FLASTRED WITH A 5400 SURFACE FINISH. SURFACE SHALL BE FLASTRED WITH A 5400 SURFACE FINISH. BU WATERPROOFED AS REQUIRED BY SUPPLEMENTAL SPECIFICATIONS SECTION 660.
- 6.MANHOLES MAY BE CONSTRUCTED OF MASONRY, PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.
- 1, ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY <u>STATION</u> AND <u>ORFSET</u>, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANHEACTURER.
- 8. STORM AND SEIJER MANHOLES SHALL HAVE SOLID COVERS WITH ONE DRILLED PICK HOLE.
- 9. EXISTING FRAMES, AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.
- IØ.EXISTING CURB AND PAVERS SHALL BE SALVAGED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.



PLAN VIEW COVER, FRAME AND STONE PLAN VIEW PRECAST CONCRETE CATCH BASIN - TYPE "E" NOT TO SCALE

BRICK/JOINT DETAIL



CATCH BASIN TYPE "D" - FRAME & COVER



ARD

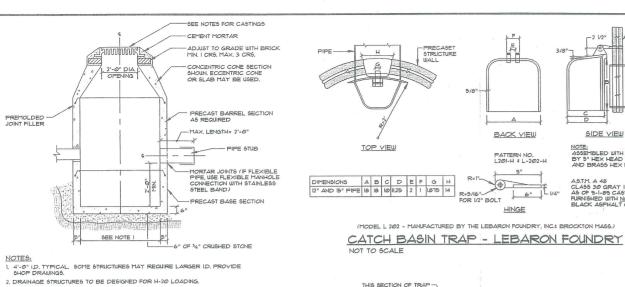
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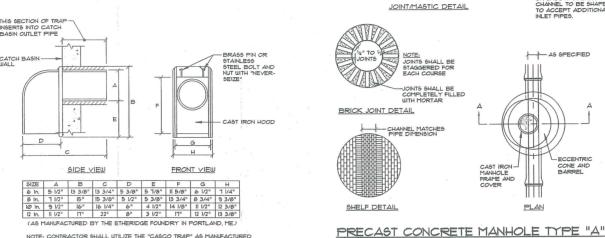
SHOPPING

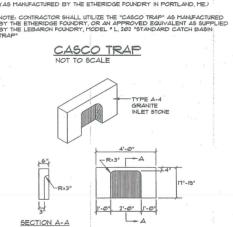
DETAILS
OF:
PINE TRE
1030 BRIGHTON
FORTLAND, MA

DATE SO 05-11-04 AS :

SHEET 10 C

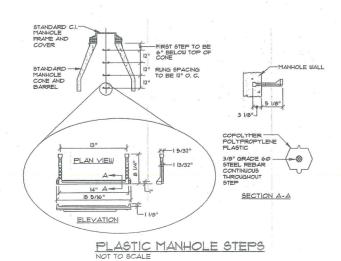


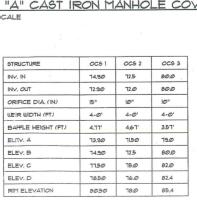


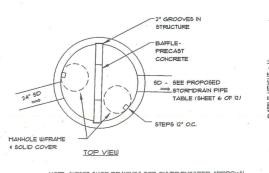


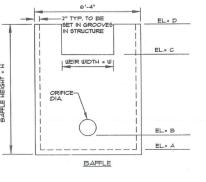
#### TYPE A-4 GRANITE CATCH BASIN INLET STONE NOT TO SCALE

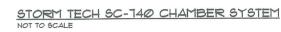
FRONT VIEW



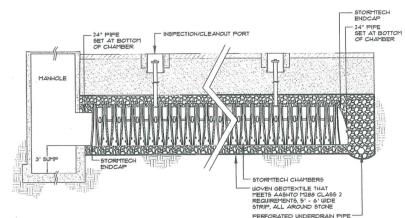




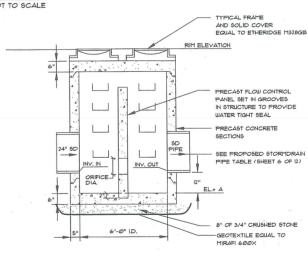




EVEN DISTRIBUTION OF PARTICLE SIZES WITH NO M THAN 12% PASSING THE \*200 SIEVE COMPACTED TO MINIMUM OF 95% OF THE STANDARD PROCTOR DEI SEE THE TABLE OF ACCEPTABLE FILL MATERIALS STORTHEEN'S DESIGN MANUAL, INSTALLATION MAN



## STORM TECH SC-740 CHAMBER SYSTEM INLET ROW HEADER SYSTEM NOT TO SCALE



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

- PORTLAND CEMENT MORTAR

ADJUST TO GRADE WITH BRICK (3 COURSES MIN. 8 COURSES MAX) CONCRETE RINGS, METAL RINGS, OR RIMMER RINGS AS APPROVED BY ENGINEER

-PRE MOLDED JOINT FILLER OR BIT. MASTIC SEAL

PRE MOLDED JOINT FILLER OR BIT, MASTIC SEAL

PRECAST CONCRETE BOTTO SECTION WITH PIPE OPENING PROVIDED AS REQUIRED, SE TO GRADES SHOWN ON PLAN

-6" OF 3/4" CRUSHED STONE (LEVELED TO RECEIVE BASE UNIT)

NOTE: MANHOLE CHANNELS

AS SPECIFIED

PLAN

24 1/8"

22 3/8"

MIN IUST. 205 LBS.

SECTION C-C

FRAME

--- A

COVER

SECTION B-B

COVER

PICK HOLE DETAIL

PLASTIC MANHOLE STEPS 12" O.C.

SLOPED SHELF

4'-0"

4'-10"

SECTION A-A

PRECAST REINFOR

CUT BACK PIPE TO MANHOLE I. D.

DOUBLE MASTIC SEAL REQUIRED

2 1/8"-1

11/2"---

SECTION A-A

FRAME

PLAN VIEW

COVER

CONCRETE OR MASONRY FILL

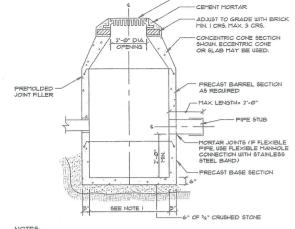
SC-740 END CAP-

SC-740 CHAMBER -

AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE

STRUCTURE	OC5 1	OCS 2	OCS 3
Ny. IN	14.90	72.5	800
INV. OUT	72.90	72.0	80.0
ORIFICE DIA. (IN)	15"	10"	10"
WEIR WIDTH (FT)	4-0'	4-0'	4-0'
BAFFLE HEIGHT (FT)	4.77'	4.67'	357'
ELEY. A	73.90	71.50	. 19.0
ELEV. B	74.90	72.5	800
ELEV. C	1150	15.0	82.00
ELEV. D	78.50	76.0	82.4
RIM ELEVATION	8050	78,0	85,4

OUTLET CONTROL STRUCTURE

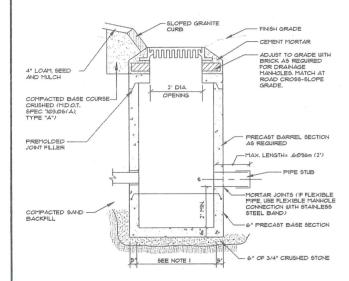


3. PIPE SIZES AND INVERTS AS NOTED ON PLANS.

NOT TO SCALE

- 4. CATCH BASIN FRAME AND GRATE TO BE ETHERIDGE FOUNDRY 5A248, TYPE M OR C OR APPROVED EQUAL.
- 5. DRAINAGE MANHOLE FRAME AND COVER TO BE ETHERIDGE FOUNDRY M2485 OR APPROVED EQUAL. COVER SHALL BE MARKED "DRAIN".

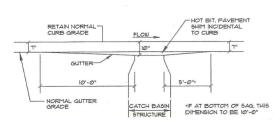
# TYPICAL CATCH BASIN



- I. 4'-0" I.D. TYPICAL., SOME STRUCTURES MAY REQUIRE LARGER I.D. PROVIDE SHOP DRAWINSS.
- 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 DRSA (WITH GRANITE STORE) APPROVED EQUAL. LOW PROFILE FRAMES AND COVERS MAY BE USED AS A SUBSTITUTE.

## TYP. DRAINAGE STRUCTURE & CATCH BASIN WITH SLOPED GRANITE CURB

NOT TO SCALE



NOTE: CATCH BASIN GRATES SHALL BE DEFRESSED 2" BELOW THE NORMAL GUTTER GRADE UNLESS THIS DEFRESSION INTERFERES WITH TRAFFIC. PARALLEL BAR GRATES SHALL BE INSTALLED ON A LEVEL GRADIENT. DIMENSIONS ARE INTENDED TO BE NOMINAL.

GUTTER GRADE TRANSITION AT CATCH BASIN



2 d PACK

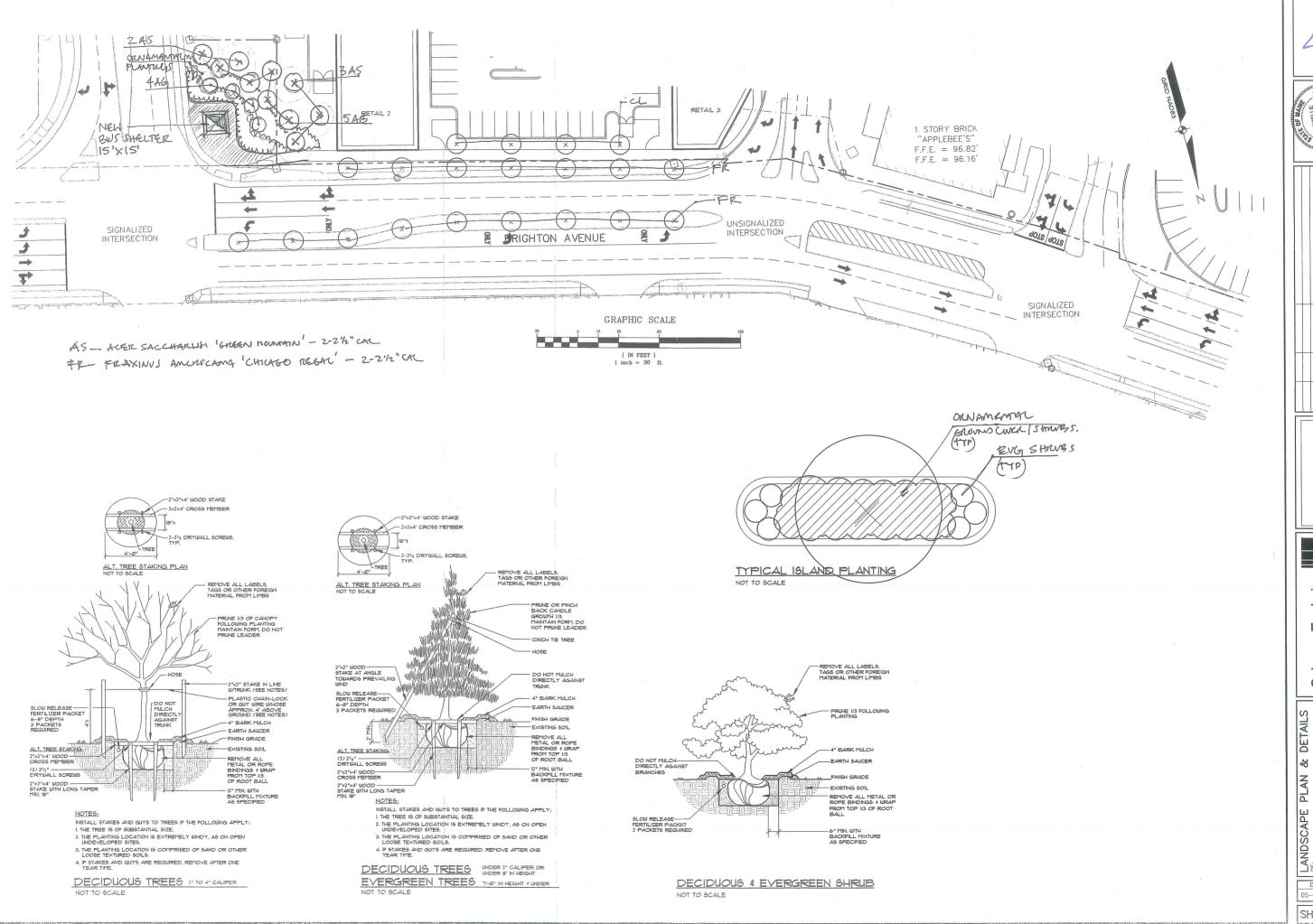
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> > CENTER SHOPPING

DETAIL
OF:
PINE
1030 BRIP
PORTLANG
FOR:

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