190 Vauley St. Florence House Avesta Florence House

Landscape Architects 70 Center Street Portland, Maine 04101 (207) 774-4427	Mitchell & Associates		380		
Date: JULY 11, 2007 Scale: NOT TO SCALE Project: FLORENCE HOUSE	PERS	53'-3"	234"		
	NG WING		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	"Z/L 9- "L- 7/L 9-	C 50,- E 2,- F \ -
σ				-2 1/5" -10 2/4" -1" -1" -1" -1" -1" -1" -1" -1" -1" -1	E 2,- E 2,- D 6,- C 8,- B 7,- E 4/5,- E 4/C F F E I E I E I E I E I E I E I E I E I





Florence House Valley Street Elevation

Looking North

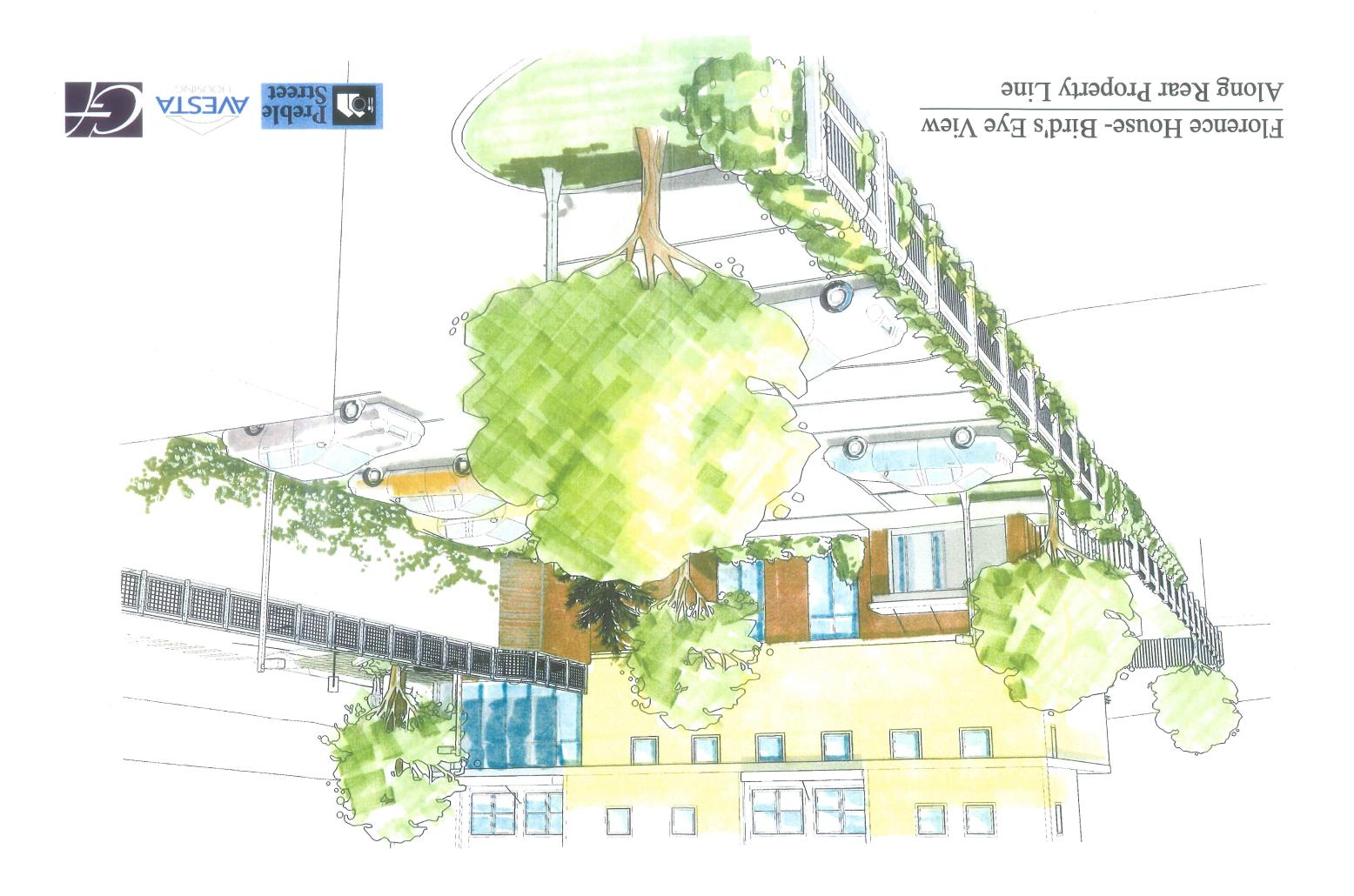






Florence House Valley Street Elevation

Looking South





mww.gawronturgeon.com Tel. 207 , 883 , 6307 Fax, 207 , 883 , 0361 29 Black Point Road Scarborough, ME 04074

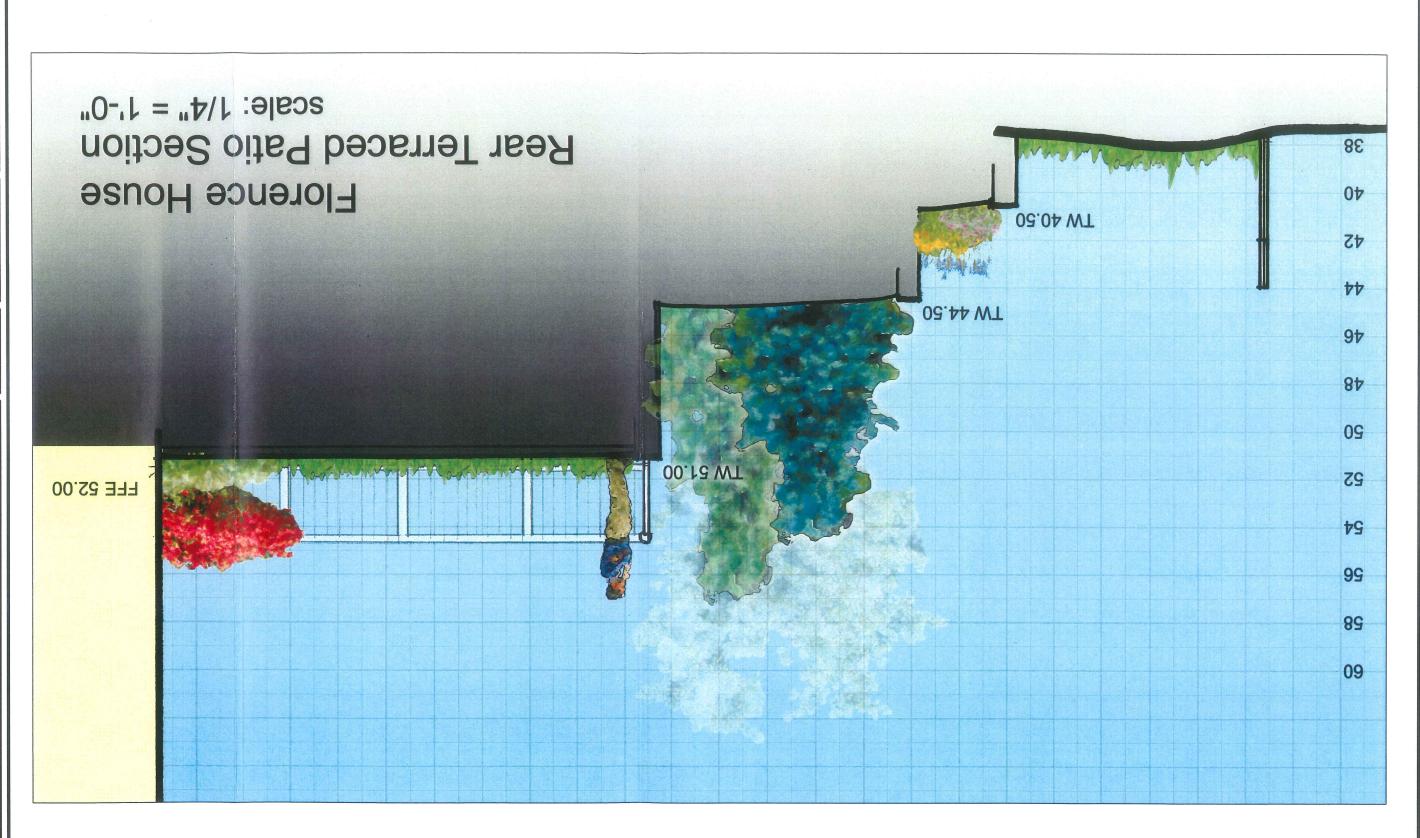
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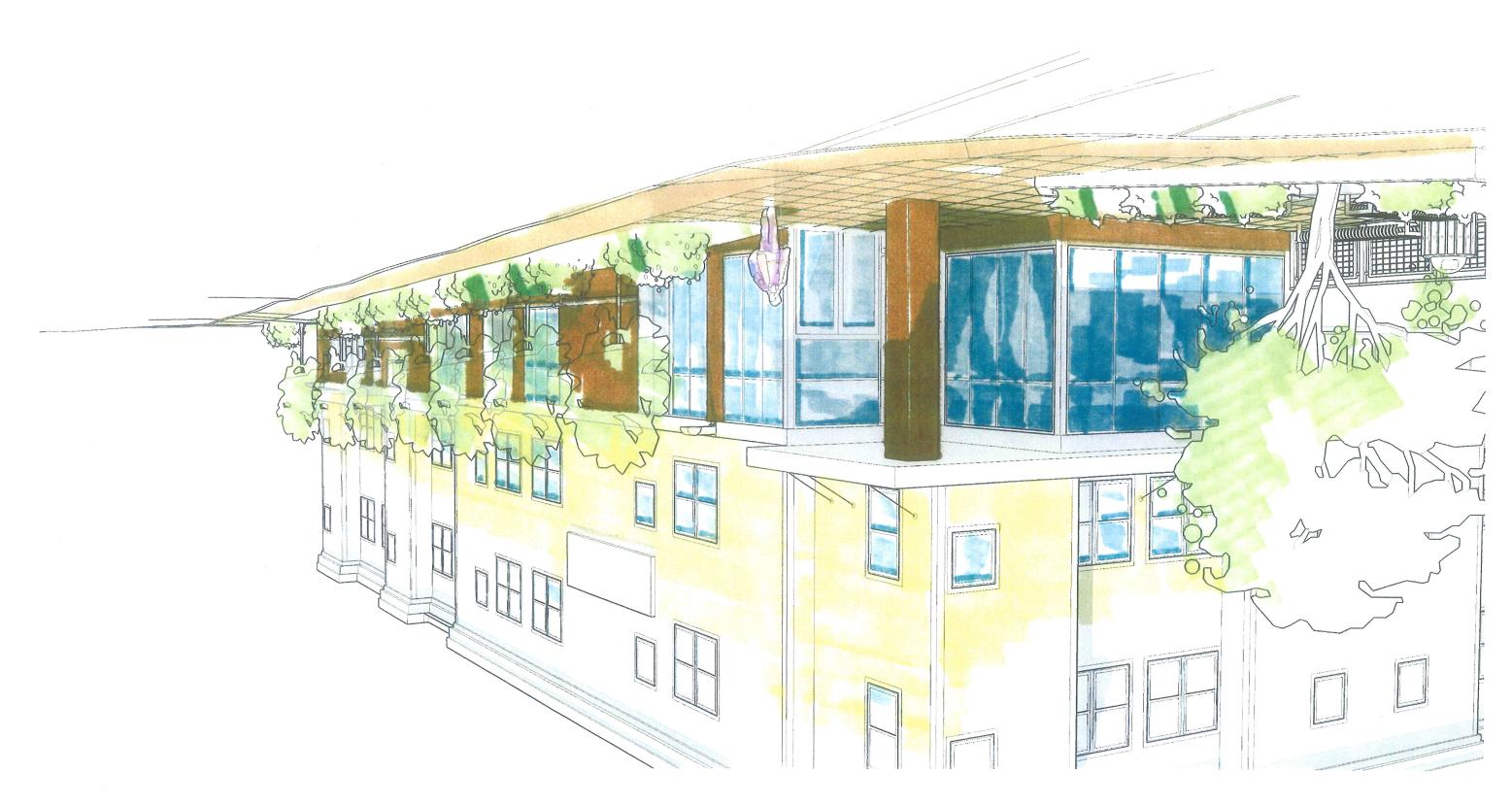
SHEET TITLE

PATIO SECTION



(607) (14-446)	70 Center Street Portland, Maine 04101	Mitchell & Associates Landscape Architects	
Project:	Scale:	Title:	
t: FLORENCE HOUSE	NOT TO SCALE	JULY 11, 2007	
	U		C 70,-2 1/5,, E 2,-1,, D e,-10 2/4,, C 8,-11,, B 7,-0,, V 15,-1,, EVCE LENGTH BUILDING FACE LENGTH

AM,





Florence House Valley Street Elevation

Looking North

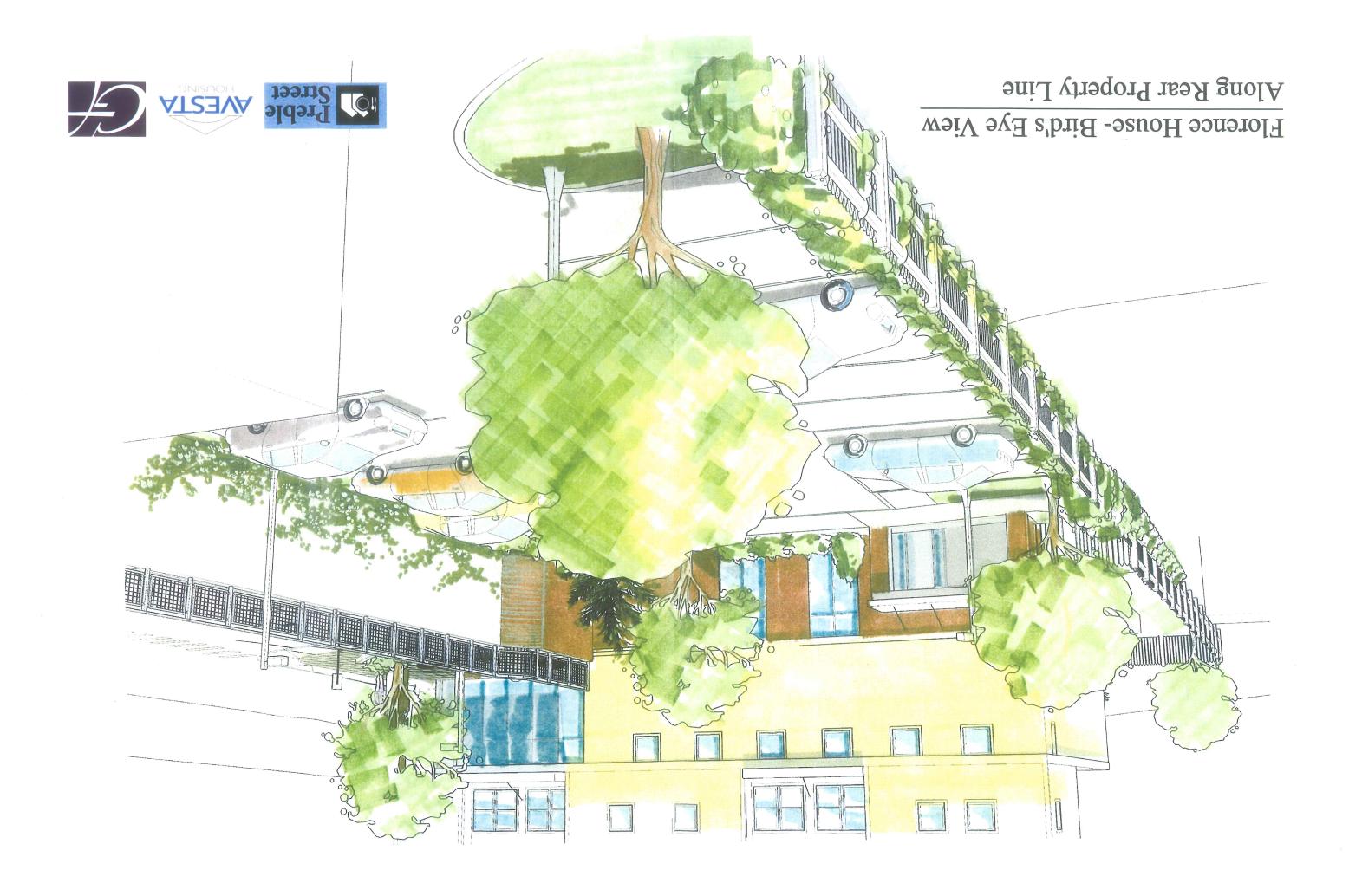






Florence House Valley Street Elevation

Looking South







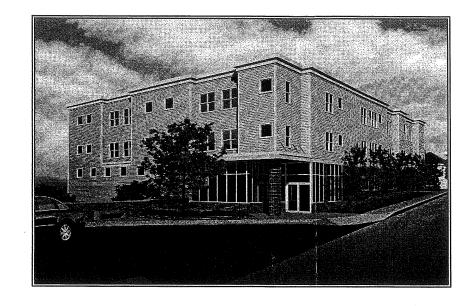
Florence House View from Heald Driveway







FLORENCE HOUSE



PREPARED BY:

LANDSCAPE ARCHITECT AND SITE PLANNER:

MITCHELL & ASSOCIATES 70 CENTER STREET 70 CENTER STREET
PORTLAND, MANE 04101
PHONE 207.874.2480
CONTACT: JOHN D. MITCHELL

BETSY MELROSE
JMTCHELLOMITCHELLASSOCIATERBIZ E-MAIL:

CIVIL AND TRAFFIC ENGINEER:

GORPALL-PALMER CONSULTING ENGINEERS, INC. P.O. BOX 1237 P.O. BOX 2237
S SHAKER ROAD
GRAY, MANE 04030
PHONE 207.857.8910
FAX: 207.857.8912
CONTACT: WILL HASKELL (CIVIL ENGINEER)
E-MAL: WHASKELLBGOORNLIPALMER.COM
CONTACT: PETER HEDRICH (TRAFFE ENGINEER)
E-MAL: PHEDRICH GORRILIPALMER.COM

ARCHITECT AND LANDSCAPE ARCHITECT:

GAWRON TURGEON ARCHITECTS 29 BLACK POINT ROAD

SCARBOROUGH, MANE 04074
PHONE: 207.883.8307
FAX: 207.883.0961
CONTAGT: REBECCA DILLON (ARCHITECTURE) CONTACT: ROULDINGAWRONTURGEON.COM
CONTACT: RACHEL SURNELL (LANDSCAPE ARCHITECT)
E-MAL: RSUNNELLOGAWRONTURGEON.COM

LAND SURVEYOR

NORTHEAST CIVIL SOLUTIONS 153 U.S. ROUTE ONE SCARBOROUGH, MANE 04074 PHONE 207.838.1000
FAX: 207.838.1001
CONTACT: JOHANN BURMAN, PLS.

GEOTECHNICAL:

SUMMET GEOTECHNICAL SERVICES 640 MAIN STREET LEWISTON, MAINE 04240 PHONE: 207.795.6000 FAX: 207.795.6128 CONTACT: BLL PETERLEN E-MAL: RPETERLENGGLAATTEN/COM

UTILITIES:

ELECTRIC:

CENTRAL MANE POWER
ELECTRICAL DISTRIBUTION ENGINEERING
192 CANCO ROAD
PORTLAND, MANE 04109
PHONE 207.842.2397
CONTACT: JAME COUGH

TELEPHONE:

VERIZON

ENGINEERING, FLOOR 2

5 DAVIS FARM ROAD

PORTLAND, MANE 04103

PHONE

207.797.1842

FAX: 207.797.1080

CONTACT: SUE SARRETTE

E-MAL: SUBANMASARRETTEOVERIZON.COM

WATER:

PORTLAND WATER DISTRICT PORTLAND WATER DISTRICT
225 DOUGLASS STREET
P.O. BOX 3569
PORTLAND, MARIE 04104-SS63
PHONE 207.774.5961 x.3169
FAX: 207.7618307 CONTACT: RICO SPUGNARDI, P.E.
E-MAL: RSPUGNARGISPWD.ORG

SEWER:

CITY OF PORTLAND PUBLIC WORKS DEPARTMENT 85 PORTLAND STREET PORTLAND, MAINE 04101 PHONE: 207.874.8832 FAX: 207.874.8818 CONTACT: FRANK BRANCELY E-MAL: FJBSPORTLANDMANE.GOV

CABLE

TIME WARNER CABLE OF MAINE
18 JOHNSON ROAD
PORTLAND, MAINE 04102
PHONE: 207253,2461
CONTACT: LARRY PALOW
E-MAIL: LARRY.PALOWOTWCABLE.COM

NATURAL GAS:

NORTHERN UTLITIES 325 WEST ROAD PHONE: 800.552.3047
CONTACT: LEIGH ELLIOTT

APPLICANT

AVESTA FLORENCE HOUSE, LP FLORENCE HOUSE HOUSING CORPORATION FLORENCE HOUSE CONDOMINUM ASSOCIATION

o/o AVESTA HOUSING 307 CLIMBERLAND AVENUE PORTLAND, MAINE 04101 PHONE 207.553,7760 x.228 CONTACT: DEB KELLER E-MAIL: DKELLEROAVESTAHOUSING.ORG

PERMITS:

TYPE OF PERMIT:

CONDITIONAL ZONE AGRICULTS:

CITY OF PORTLAND S89 CONGRESS STREET
4TH FLOOR
PORTLAND, MAINE 04101
TEL: 207.874.5728
JEAN FRASER, FLANNER
ELAMAR. ESERGOT AND

GOVERNING BODY:

SITE PLAN AND SUBDIVISION APPLICATIONS:

CITY OF PORTLAND 389 CONGRESS STREET 4TH FLOOR PORTLAND, MANE 04101
TEL: 207.674.6728
JEAN FRASER, PLANNER
E-MAL: JEOPORTLAND

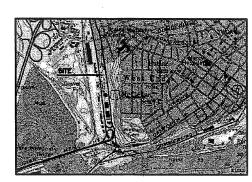
STATUS:

SUBMITTED:
PLANNING BOARD WORKSHOP: AFRE 2, 2007
PLANNING BOARD WORKSHOP: JUNE 2, 2007
PLANNING BOARD WORKSHOP: JULY 24, 2007
PLANNING BOARD HEARNING:
CITY COUNCE. 1ST READING:
SPITEMBER 6, 2007
CITY COUNCE. 2ST READING:
SEPTEMBER 17, 2007

SUBMITTED: SEPTEMBER 4, 2007 PLANNING BOARD WORKSHOP: SEPTEMBER 25, 2007

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SHEET	2	EGSTING CONDITIONS AND DEMOLITION PLAN + PLAT
SHEET	3	GRADING AND DRAINAGE PLAN
SHEET	4	UTILITIES PLAN
SHEET	5	LANDSCAPE AND PLANTING PLAN
SHEET	6	EROSION AND SEDMENTATION CONTROL PLAN
SHEET	7	SITE DETALS
SHEET	8	SITE DETALS
SHEET	9	UTILITY DETAILS
SHEET	10	UTILITY AND DRAMAGE DETAILS
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SHEET	A100	BASEMENT FLOOR PLAN
SHEET	A101	FIRST FLOOR PLAN
SHEET	A102	SECOND FLOOR PLAN
SHEET	A103	THERD FLOOR PLAN
SHEET	A104	TYPICAL UNIT FLANS
SHEET	A105	ROOF FLAN
SHEET	A401	ELEVATIONS .



LOCATION MAP NOT TO SCALE

Prepared For: Applicant: **AVESTA** HOUSING Prepared By: MITCHELL & ASSOCIATES Landscape Architects
The Staples School
70 Center Street
Portland, Maine 04101
Tel: (807) 774—4427

Consulting Engineers, Inc. N Shaker Read 207-007-0070 Group, RE 04020 PAZ: 207-007-0012

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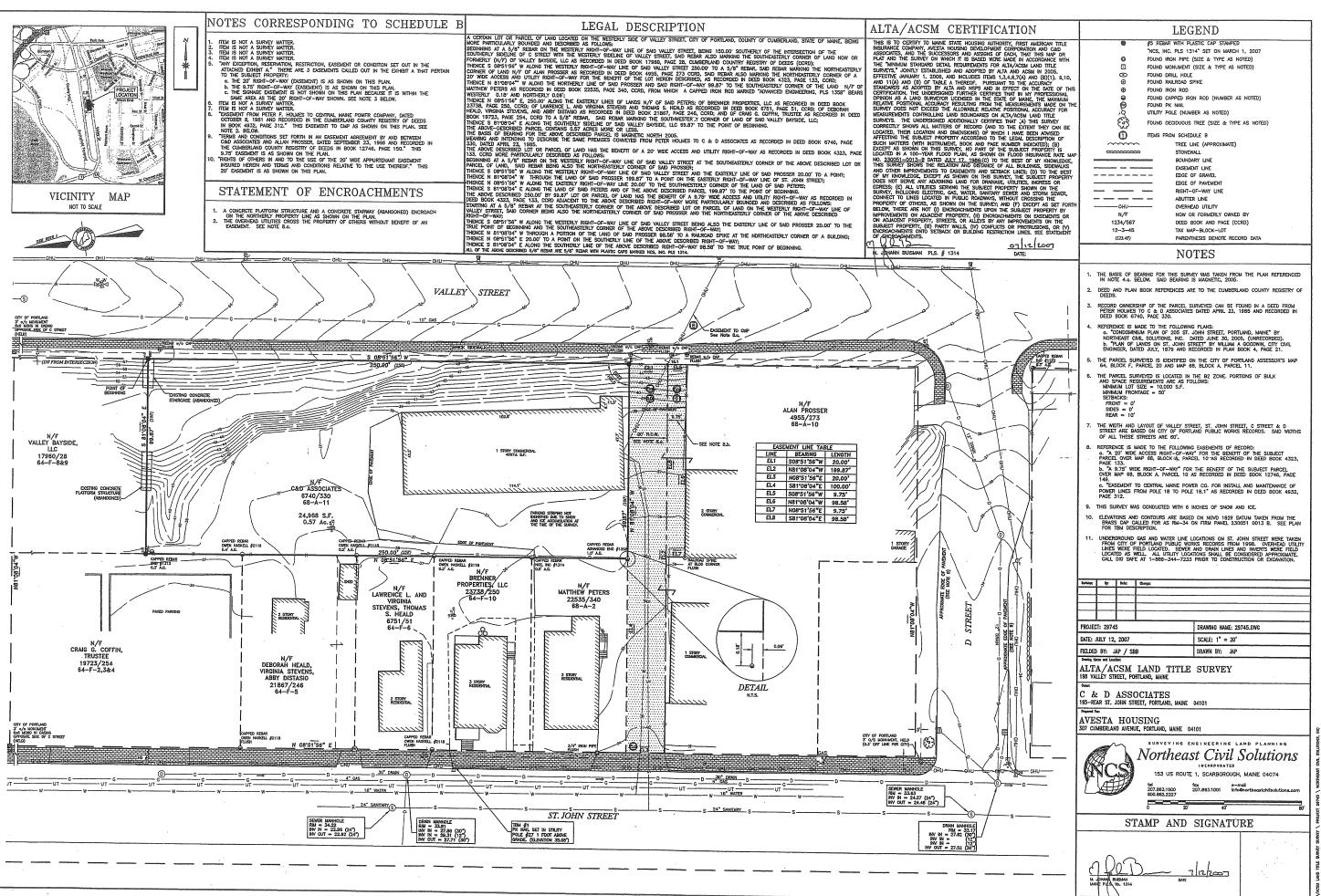
Street Valley 96

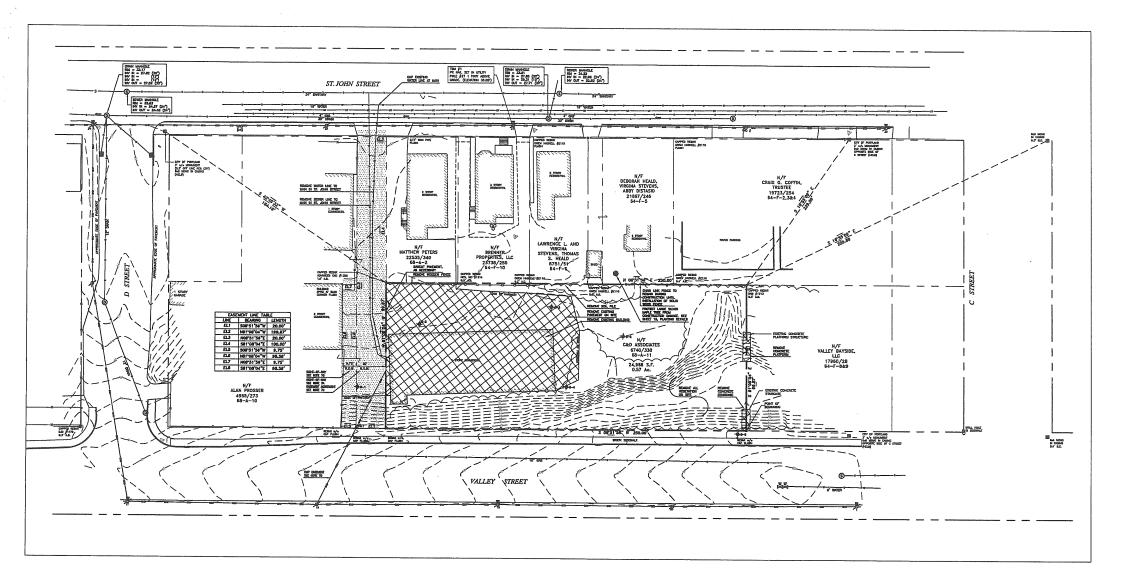
SEPTEMBER 4, 2007 leaved For: SITE PLAN AND SUBDIVISION REVIEW

COVER PAGE

North

Sheet No.:





NOTES

- 1. THE BASIS OF BEARING FOR THIS SURVEY WAS TAKEN FROM THE PLAN REFERENCED IN NOTE 4.A. BELOW. SAID BEARING IS MAGNETIC,
- DEED AND PLAN BOOK REFERENCES ARE TO THE CUMBERLAND COUNTY REGISTRY OF DEEDS.
- 3. RECORD OWNERSHIP OF THE PARCEL SURVEYED CAN BE FOUND IN A DEED FROM PETER HOLMES TO C + D ASSOCIATES DATED APRIL 23. 1985 AND RECORDED IN DEED BOOK G740, PAGE 330.
- 4. REFERENCE IS MADE TO THE FOLLOWING PLANS:

 A. "CONDOMINUM PLAN OF 205 ST. JOHN STREET. PORTLAND.

 MANE" BY NORTHEAST CIVIL SOLUTIONS. INC. DATED JUNE 30,

 2005. (UNRECORDED).

 B. "PLAN OF LANDS ON ST. JOHN STREET" BY WILLIAM A

 GOODWIN. CITY CIVIL ENGINEER. DATED JULY, 1879 AND

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- G. THE WIDTH AND LAYOUT OF VALLEY STREET, ST. JOHN STREET, C STREET + D STREET ARE BASED ON CITY OF PORTLAND PUBLIC WORKS RECORDS. SAID WIDTHS OF ALL THESE STREETS ARE GO

- 7. REFERENCE IS MADE TO THE FOLLOWING EASEMENTS OF
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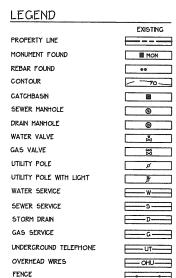
 A. "A 20" WIDE ACCESS RICHT-OF-WAY" FOR THE BENEFIT OF THE SUBJECT PARCEL OVER MAP G8, BLOCK A, PARCEL 10 AS RECORDED IN DEED BOOK 4323, PAGE 133.

 B. "A 9.75" WIDE RICHT-OF-WAY" FOR THE BENEFIT OF THE SUBJECT PARCEL OVER MAP G8, BLOCK A, PARCEL 10 AS RECORDED IN DEED BOOK 12746, PAGE 149.

 C. "EASEMENT AGREEMENT FOR 20" WIDE RICHT-OF-WAY" OVER MAP G8, BLOCK A, PARCEL 10 AS RECORDED IN DEED BOOK 12746, PAGE 150.

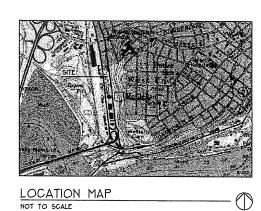
 D. "EASEMENT TO CENTRAL MAINE POWER CO. FOR INSTALL AND MAINTENANCE OF POWER LINES FROM POLE 18 TO POLE 18.1" AS RECORDED IN DEED BOOK 4932, PAGE 312.

- 8. THIS SURVEY WAS CONDUCTED WITH G INCHES OF SNOW AND ICE.
- ELEVATIONS AND CONTOURS ARE BASED ON NGVD 1929 DATUM TAKEN FROM THE DISK CALLED FOR AS RM-34 ON FIRM PANEL 230051 0013 B. SEE PLAN FOR TBM DESCRIPTION.
- 10. UNDERGROUND GAS AND WATER LINE LOCATIONS ON ST. JOHN STREET WERE TAKEN FROM CITY OF PORTLAND PUBLIC WORKS RECORDS FROM 199B. VERIZON LINES WERE FIELD LOCATED. SEWER AND DRAIN LINES AND NIVERTS WERE FIELD LOCATED AS WELL. ALL UTILITY LOCATIONS SHALL BE CONSIDERED APPROXIMATE.



TEST BORING

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GP Gorrill-Palmer
Consulting Engineers, Inc.
Traffic and Class Engineering Services 15 Shaher Road 207-857-8910 Cray, ME 04039 PAX: 207-857-8912

> Maine Portland,

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Street

Valley

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Date:

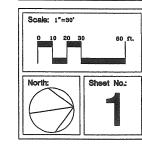
SEPTEMBER 4, 2007

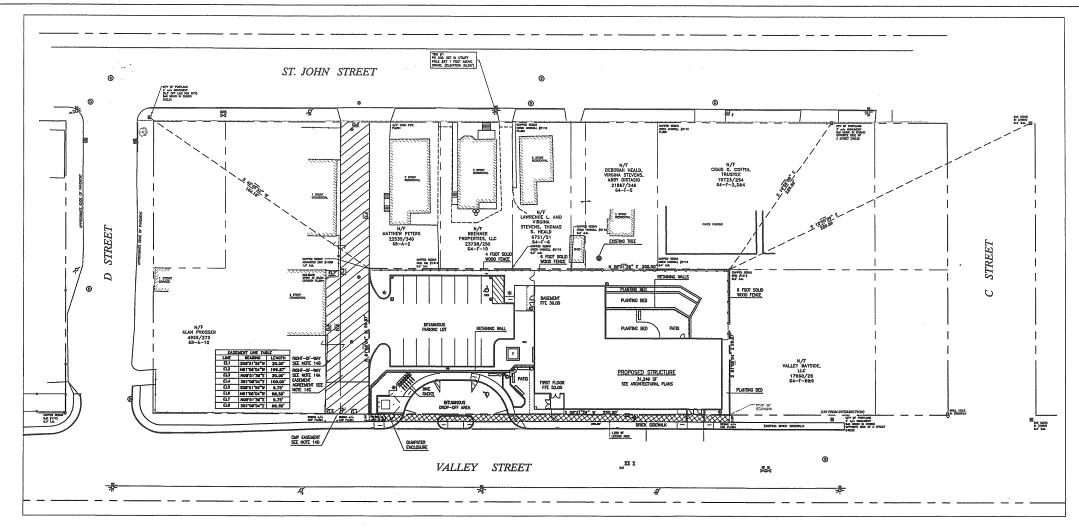
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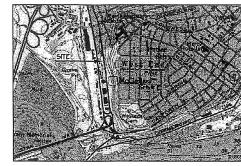
SITE PLAN AND SUBDIVISION REVIEW

October 2, 2007 - Per Planning Staff and Board Comments. October 17, 2007 - Per Planning Staff Comments.

EXISTING CONDITIONS AND DEMOLITION PLAN







LOCATION MAP NOT TO SCALE

Gorrill-Palmer
Consulting Engineers, Inc.
Traffic and Civil Engineering Services

Prepared For: Applicant:

Prepared By:

AVESTA

HOUSING

MITCHELL & ASSOCIATES Landscape Architects
The Staples School
70 Center Street
Portland, Maine 04101
Tel: (207) 774-4427

LEGEND

	EXISTING	PROPOSED
PROPERTY LINE		
SETBACK LINE		
REBAR FOUND	00	
EASEMENT AREA		
LICENSE AREA		
CATCHBASIN	3	N N
MANHOLE	®	•
ELECTRIC TRANSFORMER		T
WATER VALVE	Xe	м
FIRE HYDRANT		•
GAS VALVE	Z45 X	
UTILITY POLE	ø	
UTILITY POLE WITH LIGHT	J.	
LIGHT POLE		*
SECURITY CAMERA		C
FENCE		
SIGN		

Appro	ved: Portla	nd Plannii	ng Board
Date:			
Chair,			
Board Me	mbers,		
			

	EXISTING	PROPOSED
PROPERTY LINE		
SETBACK LINE		
REBAR FOUND	00	
EASEMENT AREA		
LICENSE AREA		
CATCHBASIN	3	
MANHOLE	8	
ELECTRIC TRANSFORMER		T
WATER VALVE	X	H
FIRE HYDRANT		*
GAS VALVE	CAS PX	
UTILITY POLE	ø	
UTILITY POLE WITH LIGHT	B	
LIGHT POLE		*
SECURITY CAMERA		0
FENCE		-00
SIGN		

Approved: Portland Planning Board
Date:
Chair,
Board Members,

15 Shaker Road 207-857-8910 Gray, ME 04039 PAX: 207-657-6912

Maine Portland,

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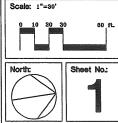
Street Valley

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Date: OCTOBER 17, 2007

SUBDIVISION PLAT





GENERAL NOTES

- 1. SITE IS SUBJECT TO CONDITIONAL ZONE AGREEMENT TITLED "AVESTA FLORENCE HOUSE LP, FLORENCE HOUSE HOUSING CORPORATION AND FLORENCE HOUSE CONDOMINUM ASSOCIATION" APPROVED BY PORTLAND CITY COUNCIL ON SEPTEMBER 17, 2007.
- 2. TOTAL SITE AREA:

24.9G8 SF OR O.57 ACRES

CONDITIONAL ZONE AGREEMENT WITH UNDERLYING ZONES: B-2 COMMUNITY BUSINESS ZONE R-G RESIDENTIAL ZONE 3. ZONING DISTRICT:

4. SPACE AND BULK REQUIREMENTS: SEE CONDITIONAL ZONE AGREEMENT (CZA)

REQUIRED PROPOSED 24.9G8 SF
SEE NOTE BELOW
NONE
VARIES, SEE PLAN
5 FEET MAXIMUM LOT SIZE: 24,968 SF (SEE CZA) DENSITY:
MINIMUM FRONT SETBACK:
MINIMUM REAR SETBACK:
MINIMUM SIDE SETBACK:
MAXIMUM LOT COVERACE:
MAXIMUM BULLDING HEIGHT: NONE (SEE CZA) 5 FEET 40% 45 FEET 33% 45 FEET OPEN SPACE RATIO 2G% 1G SPACES 26% 19 SPACES PARKING REQUIREMENTS: MINMUM LOT SIZE:
MINMUM STREET FRONTAGE:
MINMUM LOT WIDTH:
MAXMUM IMPERVIOUS SURFACE: N/A N/A 40 FEET 50 FEET 74% 250 FEET 250 FEET 74%

DENSITY NOTE: NO MORE THAN 40 BEDS FOR WOMEN ONLY ON THE FIRST FLOOR INCLUDING UP TO 25 EMERGENCY SHELTER BEDS AND 15 SAFE HAVEN BEDS; AND UP TO 25 AFFORDABLE RENTAL EFFICIENCY APARTMENTS ON THE SECOND AND THIRD FLOORS.

5. BUILDING SUMMARY

FLOOR LEVEL	AREA	DWELLING UNITS/ BEDSPACES
BASEMENT CUNIT 13:	8.138 SF	0
FIRST FLOOR (UNIT 1):	8.021 SF	25-40 BEDSPACES
SECOND FLOOR (UNIT 2):	7,545 SF	12 DWELLING UNITS
THIRD FLOOR CUNIT 23:	7.545 SF	13 DWELLING UNITS

TOTAL BUILDING SQUARE FOOTAGE: 31.249 SF NUMBER OF STORIES: 3 STORIES (PLUS BASEMENT)

- BOUNDARY LINE AND TOPOGRAPHIC INFORMATION BASED ON SURVEY PREPARED BY NORTHEAST CIVIL SOLUTIONS. FROM PLANS DATED JANUARY 31, 2007.
- BENCHMARK IS PK NALL SET IN UTILITY POLE #27 ONE FOOT ABOVE GRADE ON THE EASTERN SIDE OF ST. JOHN STREET BETWEEN C STREET AT D STREET WITH AN ELEVATION OF 35.0G'.

- 8. THE BASIS OF BEARING FOR THIS SURVEY WAS TAKEN FROM THE PLAN REFERENCED IN NOTE 13.A. BELOW. SAID BEARING IS MAGNETIC, 2005.
- DEED AND PLAN BOOK REFERENCES ARE TO THE CUMBERLAND COUNTY
- 10. RECORD OWNERSHIP OF THE PARCEL SURVEYED CAN BE FOUND IN A DEED FROM PETER HOLMES TO C + D ASSOCIATES DATED APRIL 23, 1985 AND RECORDED IN DEED BOOK G740, PAGE 330.
- 11. THE PARCEL IS IDENTIFIED ON THE CITY OF PORTLAND ASSESSOR'S MAP G4. BLOCK F. PARCEL 20 AND MAP GB. BLOCK A. PARCEL 11.
- THE WIDTH AND LAYOUT OF VALLEY STREET, ST. JOHN STREET, C STREET + D STREET ARE BASED ON CITY OF PORTLAND PUBLIC WORKS RECORDS. SAID WIDTHS OF ALL THESE STREETS ARE GO FEET.
- REFERENCE IS MADE TO THE FOLLOWING PLANS:
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- 14. REFERENCE IS MADE TO THE FOLLOWING EASEMENTS OF RECORD:

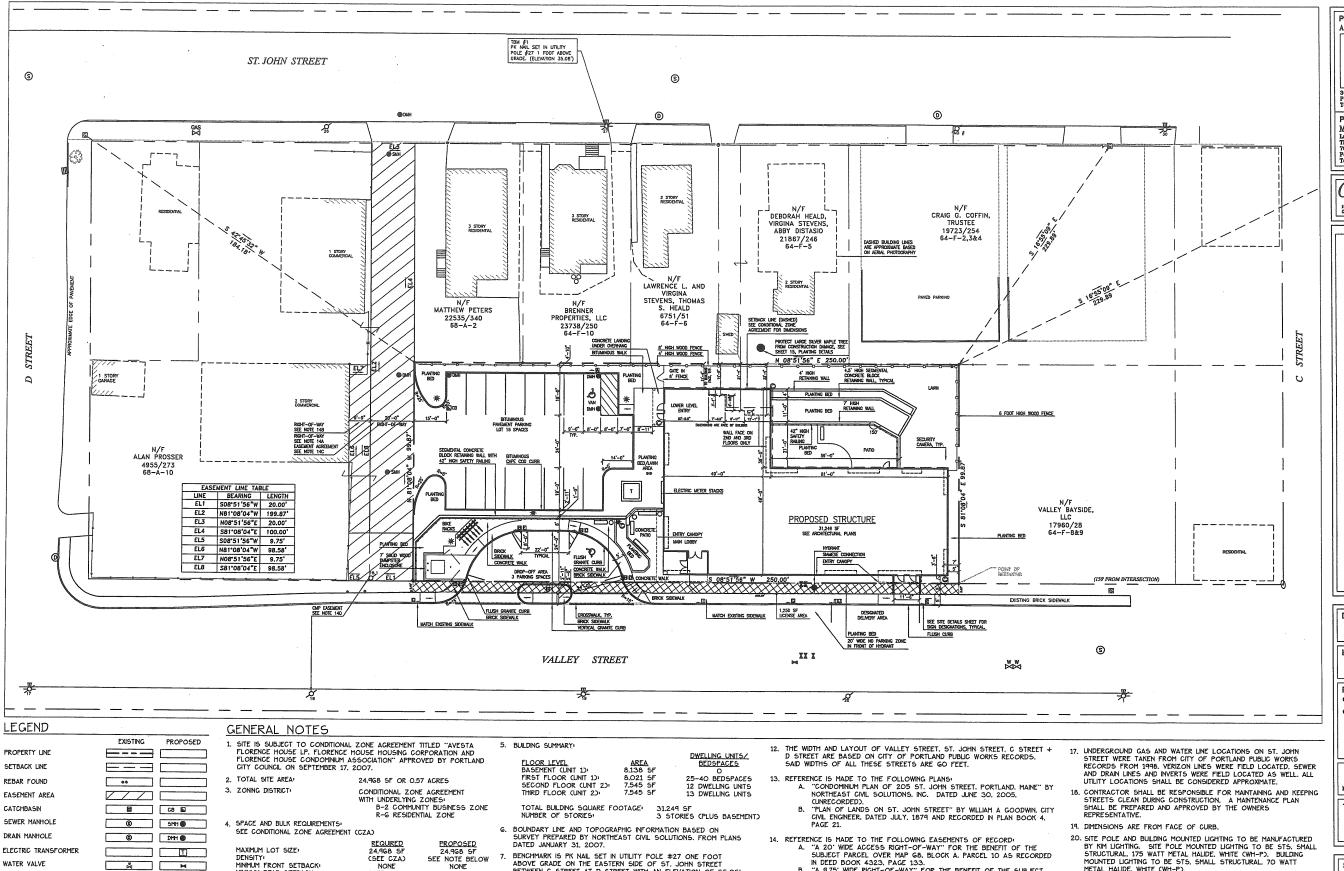
 A. "A 20' WIDE ACCESS RICHT-OF-WAY" FOR THE BENEFIT OF THE SUBJECT PARCEL OVER MAP 68, BLOCK A, PARCEL 10 AS RECORDED IN DEED BOOK 4323, PAGE 133.

 B. "A 4.75" WIDE RICHT-OF-WAY" FOR THE BENEFIT OF THE SUBJECT PARCEL OVER MAP 68, BLOCK A, PARCEL 10 AS RECORDED IN DEED BOOK 4324, PAGE 430.

 - FARCEL OVER MAR' 68, BLOUR A. PARCEL 10 AS RECORDED IN DEED BOOK 12746, PAGE 144.

 C. "EASEMENT AGREEMENT FOR 20' WIDE RICHT-OF-WAY" OVER MAP 68, BLOCK A. PARCEL 10 AS RECORDED IN DEED BOOK 12746, PAGE 150.

 D. "EASEMENT TO CENTRAL MANE POWER CO. FOR INSTALL AND MAINTENANCE OF POWER LINES FROM POLE 18 TO POLE 18.1" AS RECORDED IN DEED BOOK 4932, PAGE 312.
- 15. A LICENSE. COVERING A 1.250 SF AREA, HAS BEEN GRANTED BY THE CITY OF PORTLAND FOR THE PROPERTY FRONTAGE ALONG VALLEY STREET FOR MANTENANCE OF PAVING AND VECETATION.
- 1G. ELEVATIONS AND CONTOURS ARE BASED ON NGVD 1929 DATUM TAKEN FROM THE DISK CALLED FOR AS RM-34 ON FIRM PANEL 230051 0013 B. SEE PLAN FOR TBM DESCRIPTION.



BENCHMARK IS PK NAL SET IN UTILITY POLE #27 ONE FOOT ABOVE GRADE ON THE EASTERN SIDE OF ST. JOHN STREET BETWEEN C STREET AT D STREET WITH AN ELEVATION OF 35.06'.

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9. DEED AND PLAN BOOK REFERENCES ARE TO THE CUMBERLAND COUNTY

10. RECORD OWNERSHIP OF THE PARCEL SURVEYED CAN BE FOUND N A DEED FROM PETER HOLMES TO C + D ASSOCIATES DATED APRIL 23, 1985 AND RECORDED IN DEED BOOK G740, PAGE 330.

MAP G4. BLOCK F. PARCEL 20 AND MAP G8. BLOCK A. PARCEL 11.

11. THE PARCEL IS IDENTIFIED ON THE CITY OF PORTLAND ASSESSOR'S

REGISTRY OF DEEDS.

SEE NOTE BELOW

VARIES, SEE PLAN 5 FEET 33%

2GZ 19 SPACES

250 FEET

250 FEET

NONE (SEE CZA)

5 FEET 40Z 45 FEET 2GZ 1G SPACES

40 FEET

DENSITY NOTE: NO MORE THAN 40 BEDS FOR WOMEN ONLY ON THE FRST FLOOR NCLUDING UP TO 25 EMERGENCY SHELTER BEDS AND 15 SAFE HAVEN BEDS, AND UP TO 25 AFFORDABLE RENTAL EFFICIENCY

APARTMENTS ON THE SECOND AND THIRD FLOORS.

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MINIMUM REAR SETBACK:

MINIMUM SIDE SETBACK

MAXIMUM LOT COVERAGE

MAXIMUM BULDING HEIGHT OPEN SPACE RATIO: PARKING REQUIREMENTS:

MAXIMUM IMPERVIOUS SURFACE:

MINIMUM LOT SIZE MINIMUM STREET FRONTAGE

MINIMUM LOT WIDTH:

⊠ A

ø

WATER VALVE

FIRE HYDRANT

GAS VALVE

UTILITY POLE

LIGHT POLE

FENCE

SIGN

SECURITY CAMERA

UTILITY POLE WITH LIGHT

- 14. REFERENCE IS MADE TO THE FOLLOWING EASEMENTS OF RECORD.

 A. "A 20" WIDE ACCESS RIGHT-OF-WAY" FOR THE BENEFIT OF THE SUBJECT PARCEL OVER MAP 68. BLOCK A. PARCEL 10 AS RECORDED IN DEED BOOK 4323, PAGE 133.

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 B. "A 4,75" WIDE RIGHT-OF-WAY" FOR THE BENEFIT OF THE SUBJECT PARCEL OVER MAP GB. BLOCK A. PARCEL 10 AS RECORDED IN DEED BOOK 12746, PACE 144.

 C. "EASEMENT AGREEMENT FOR 20' WIDE RIGHT-OF-WAY" OVER MAP GB. BLOCK A. PARCEL 10 AS RECORDED IN DEED BOOK 12746, PAGE 150.

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- 16. ELEVATIONS AND CONTOURS ARE BASED ON NGVD 1929 DATUM TAKEN FROM THE DISK CALLED FOR AS RM-34 ON FRM PANEL 230051 0013 B. SEE PLAN FOR TBM DESCRIPTION.
- 20. SITE POLE AND BUILDING MOUNTED LIGHTING TO BE MANUFACTURED BY KIM LIGHTING. SITE POLE MOUNTED LIGHTING TO BE 5TS, SMALL STRUCTURAL 175 WATT METAL HALIDE. WHITE (WH-P). BUILDING MOUNTED LIGHTING TO BE 5TS, SMALL STRUCTURAL, 70 WATT METAL HALIDE, WHITE CWH-P).
- 21. SITE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL LIGHT POLE BASES AND TRENCHING FOR CONDUIT.
- 22. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONDUIT, POLE MOUNTED LIGHT FIXTURES AND POLES.
- 23. EXACT LOCATIONS OF SECURITY CAMERAS TO BE CONFIRMED AS PART OF THE MANAGEMENT PLAN.
- 24. ALL MATERIALS AND INSTALLATION DETAILS SHALL MEET M.D.O.T. AND/OR CITY OF PORTLAND STANDARD SPECIFICATIONS.



Gorrill-Palmer
Consulting Engineers, Inc.
Traffic and Civil Engineering Services 16 Shaker Road 207-657-6910 Gray, ME 04039 PAK: 207-657-6912

Maine

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Street Valley 000

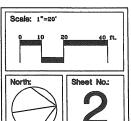
SEPTEMBER 4, 2007

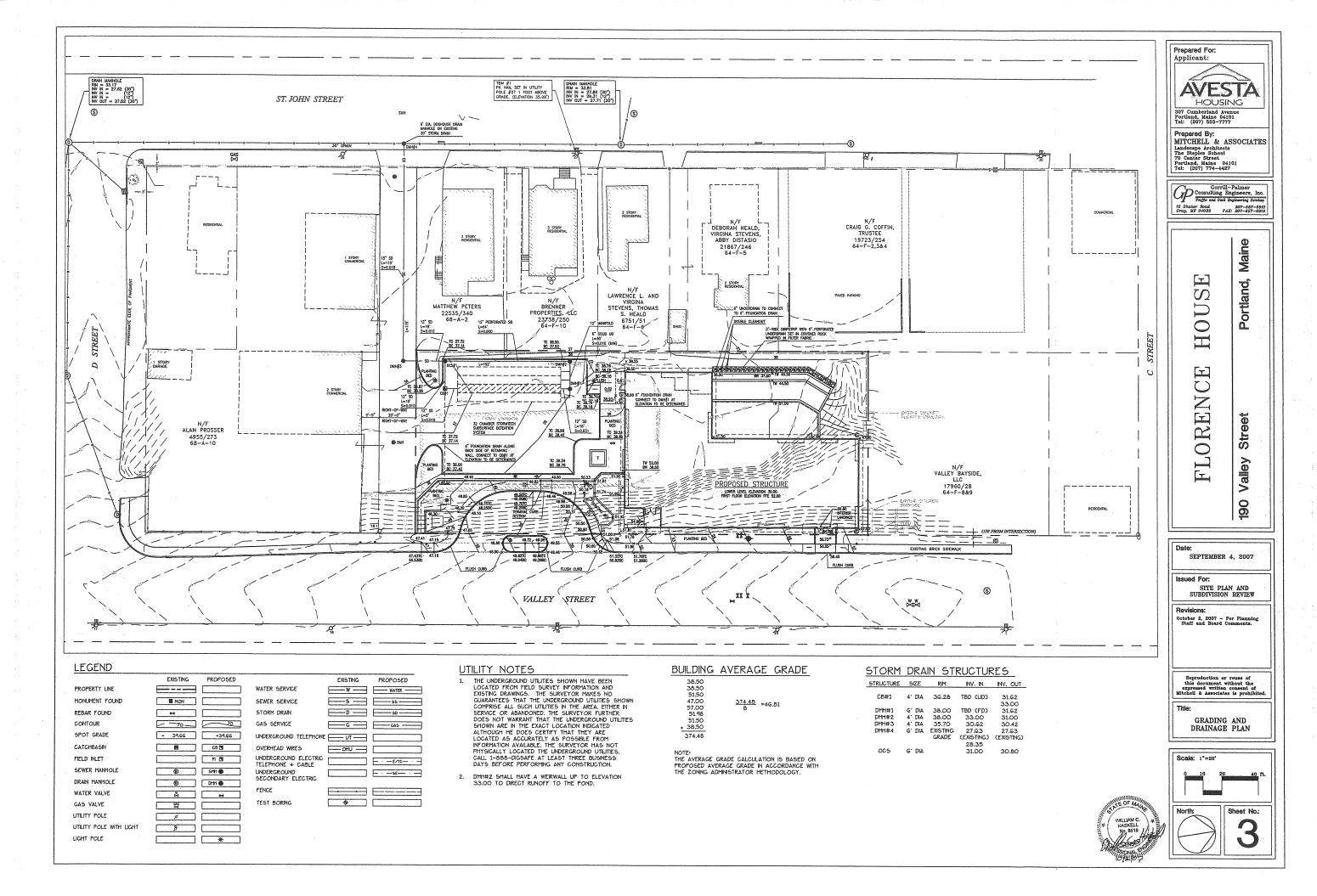
SITE PLAN AND SUBDIVISION REVIEW

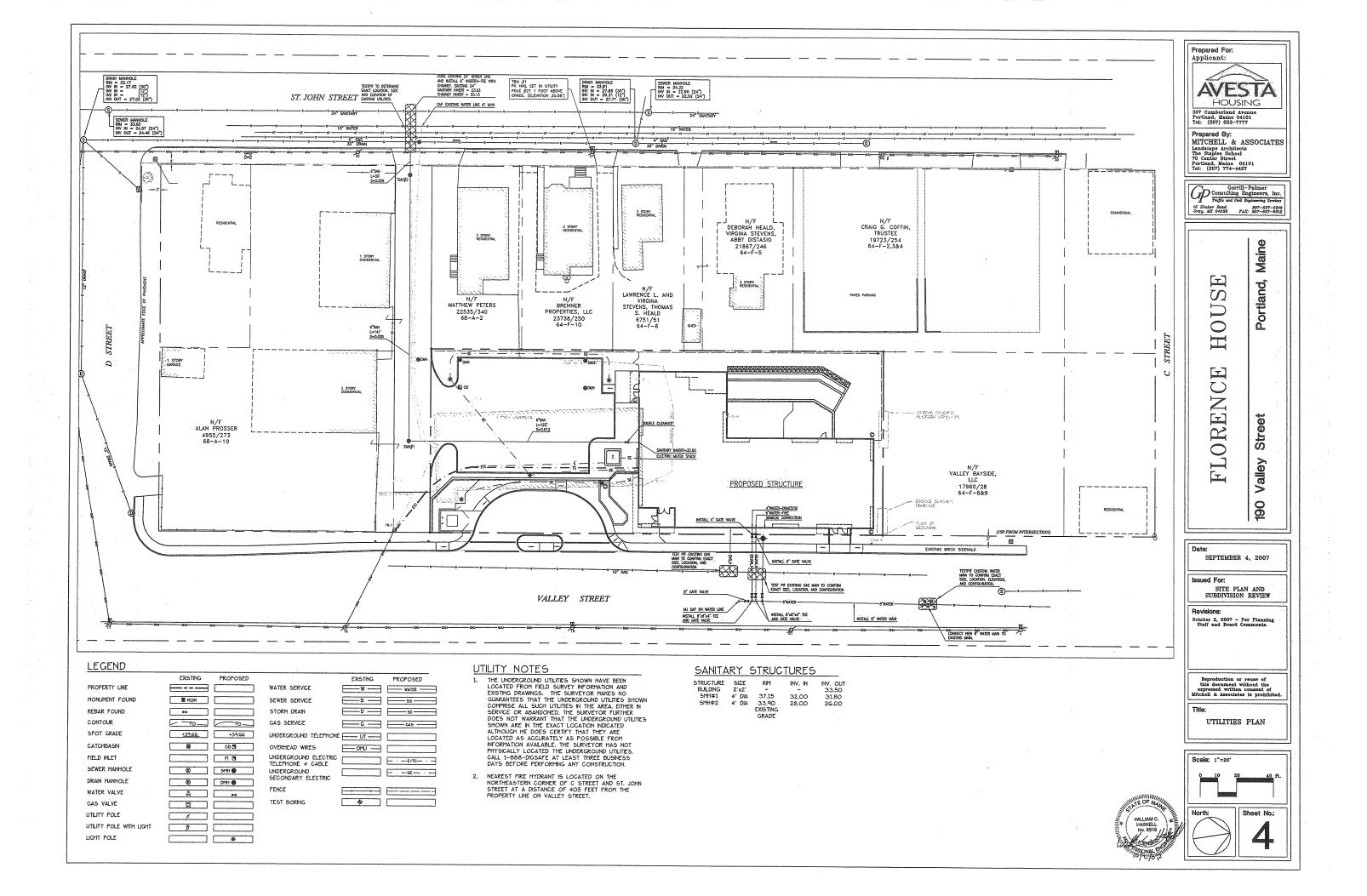
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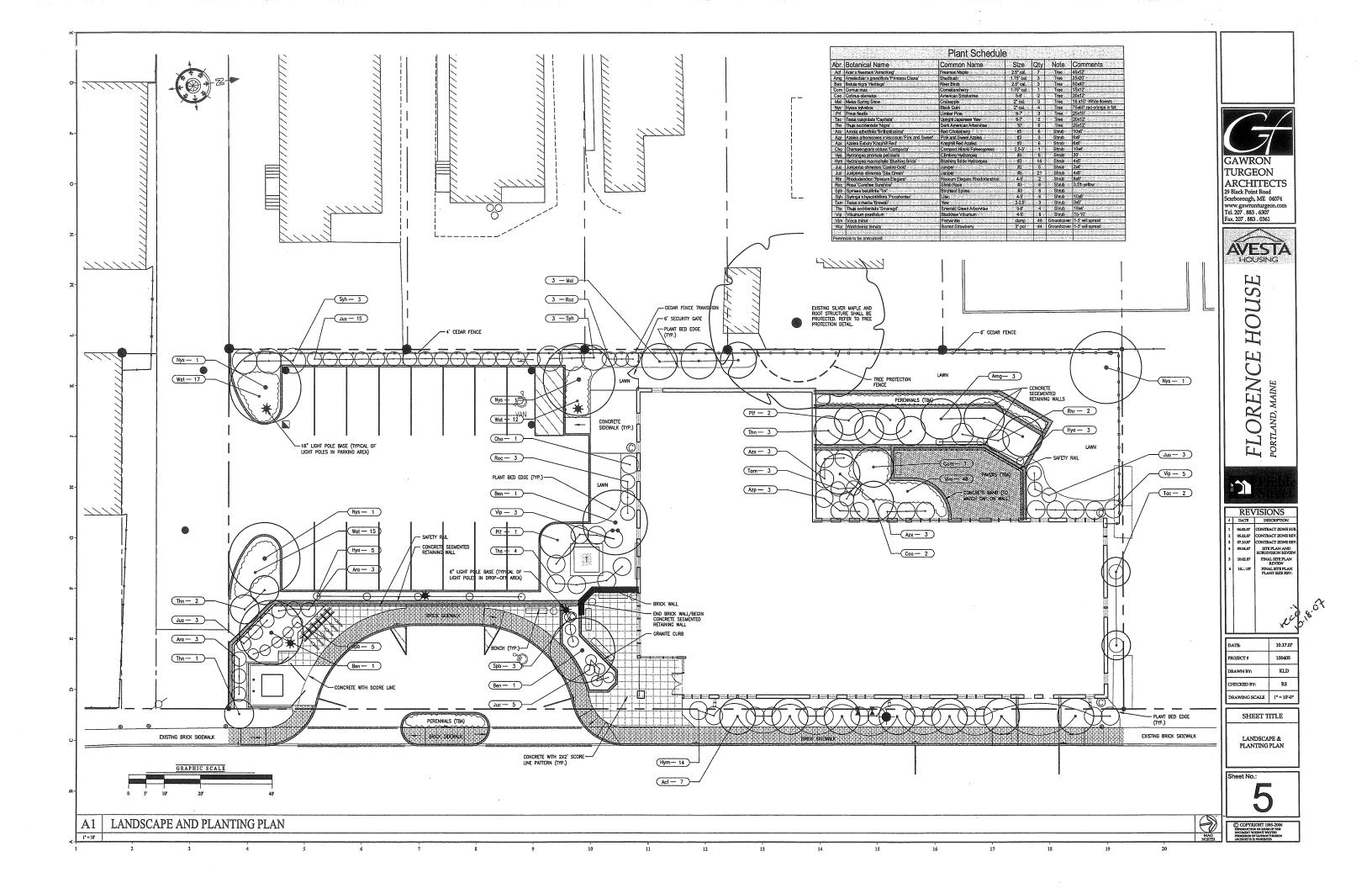
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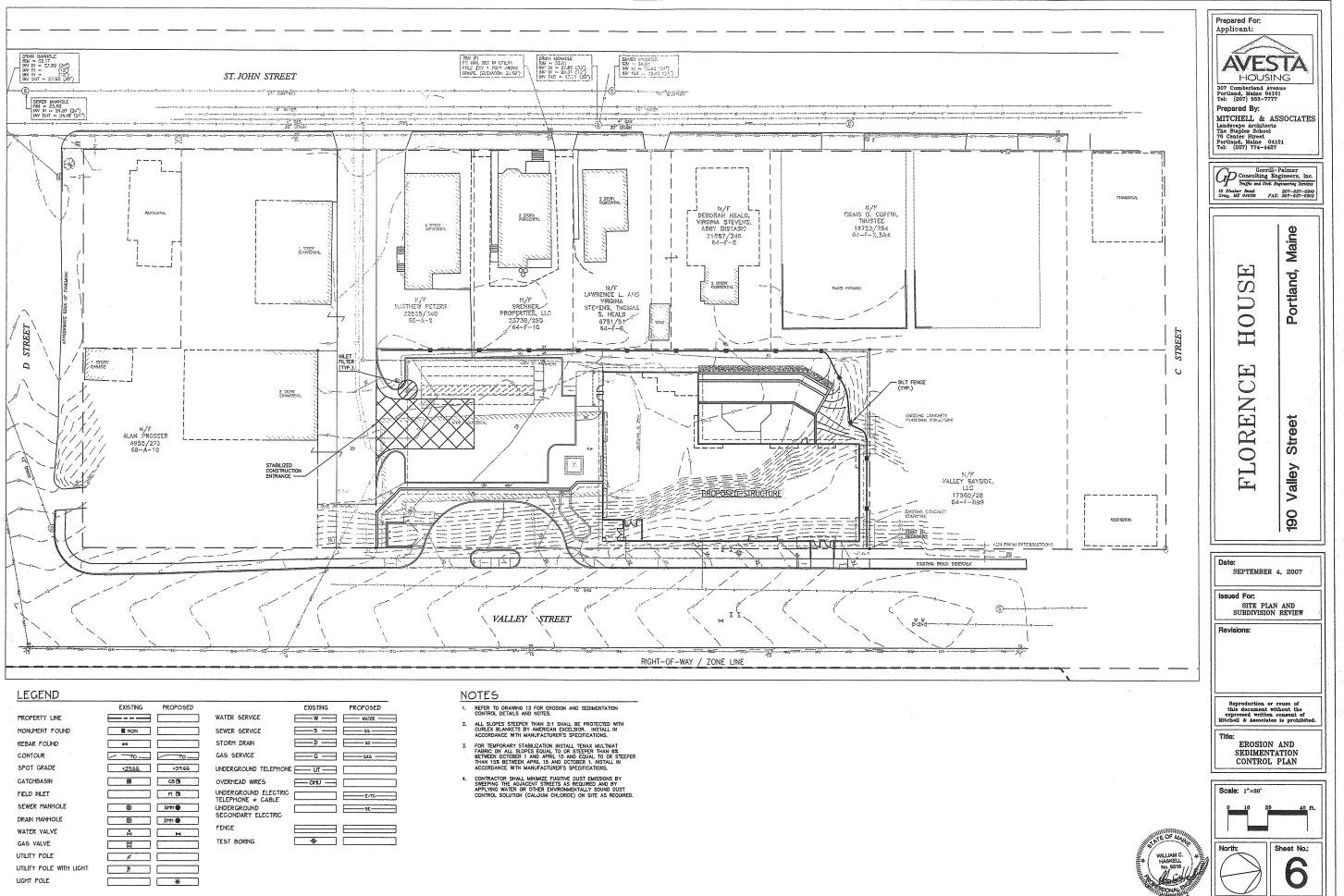
LAVOUT & LIGHTING PLAN



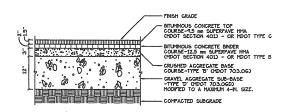






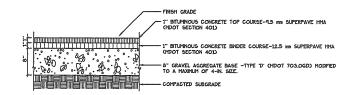






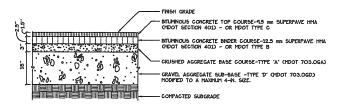
BITUMINOUS PAVEMENT - DRIVEWAY

NOT TO SCALE

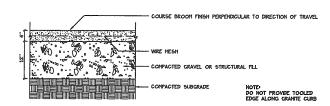


BITUMINOUS SIDEWALK

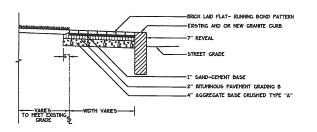
7 NOT TO SCALE



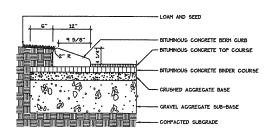
3 BITUMINOUS PAVEMENT - PUBLIC RIGHT-OF-WAY



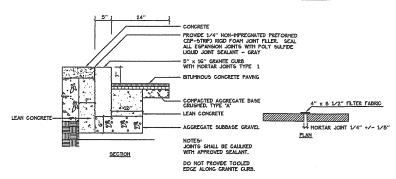
4 CONCRETE DUMPSTER PAD
7 NOT TO SCALE



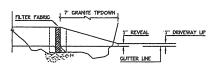
5 BRICK SIDEWALK WITH GRANITE CURB 7 NOT TO SCALE



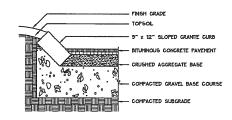
6 CAPE COD CURB
7 NOT TO SCALE



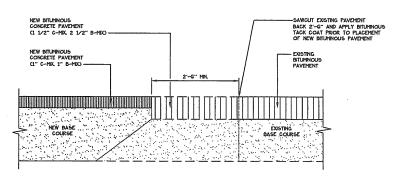
VERTICAL GRANITE CURB



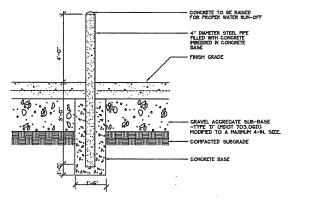
8 GRANITE TIPDOWN CURB
7 NOT TO SCALE



9 SLOPED GRANITE CURB
7 NOT TO SCALE



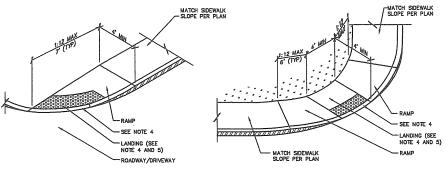
10 PAVEMENT SAWCUT DETAIL
7 NOT TO SCALE

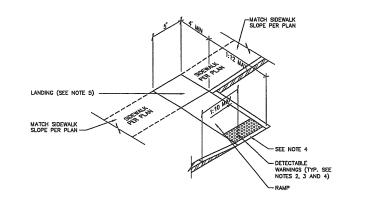


BOLLARD DETAIL
7 NOT TO SCALE

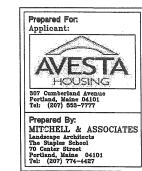
OTE:

- CURB RAPP LENGTHS ARE BASED ON SX (G) NCH CURB REVEAL HEIGHT AND NO RANNIC SLOPE. RAPP LENGTHS SHALL BE ADJUSTED AS NECESSARY TO ACCOMPODAT VARTNIC CURB REVEAL HIGHTS AND TO MATCH RANNIG SLOPES OF ADJACENT ROADWAY AND SDEWALK SLOPES TO MANTAN A RAPP THAT DOES NOT EXCEED THE HANDAIN RAPE SLOPE OF 125.
- 2. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRANCATED DOWES AND SHALL HAVE A BASE DAMETER OF OA RICHES CAS NO IMPRIAN AND 14 NOTHES CAS NO HAVEN A TOP DAMETER OF SOP RECEIVED OF THE TRANS HAVEN A TOP DAMETER OF SOP RECEIVED OF THE TRANS HAVEN AND A RECEIVED OF A DEVISED OF CAS NOTHER CASH. OF CAS NOTHES CASH. NO A CONTEX-TO—CONTRO SPREAK OF 1.6 NOTHES CASH. NOTHER AND 2.4 NORTES CASH. HAVEN, AND A BASE-TO—BASE SPACHG OF 0.65 NORES CITYMD NORTH, MEASURED BETWEEN THE MOST DAMEDET DOWES ON A SOURCE COST.
- DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINNG SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALDING SURFACE. DETECTABLE WARNINGS USED ON INTEROR SURFACES SHALL DEFER FROM ADJOINNG WALDING SURFACES IN RESILIENCY OR SOURD-ON-DAYE CONTROL.
- ALL ACCESSIBLE ROUTE SPENAUS INTERSECTION ROLDWAYS. DRIVENAYS, OR OTHER VERBLUKE ROOSSINGS REQUIRE DETECTABLE WARRINGS. DETECTABLE WARRING ZONE
 SHALL BE INSTILLED SIK OR ONLESS COR THE HORIZONTAL THEORYSES OF THE ADMICTOR TO THE CHAPTER THE THEORY SEPTIMENT OF THE ADMICTOR TO THE CHAPTER REQUIREMENT OF THE
 PART DISPORT OR ACCESSIBLE ROUTE AS DETRIED IN THE SECURED DETAIL. DETECTABLE WARRINGS SHALL CONT OR INSTILLED IN THE SAMP ROLLEGE
 FLARED SIGN.
- 5. ALL LANDING AREAS SHALL BE 4 FEET WIDE BY 4 FEET LONG CHRIMIN DIMENSIONS). THE SLOPE OF THE LANDING AREA SHALL NOT EXCEED A 148 M ANY DIRECTION.
- 6. ALL ACCESSBLE ROUTE SLOPES ADJOINING THE LANDING AREA EXCLUDING THE CURB RAMP, SHALL NOT EXCEED A SLOPE OF 12D UNLESS OTHERWISE NOTED.





BARRIER FREE RAMP
7 NOT TO SCALE



Gorrill-Palmer
Consulting Engineers, Inc.
Traffic and Civil Engineering Streets
16 Shaber Road. 207-657-6912

OUSE
Portland, Maine

FLORENCE H

Street

Valley

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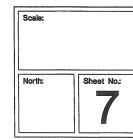
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SEPTEMBER 4, 2007

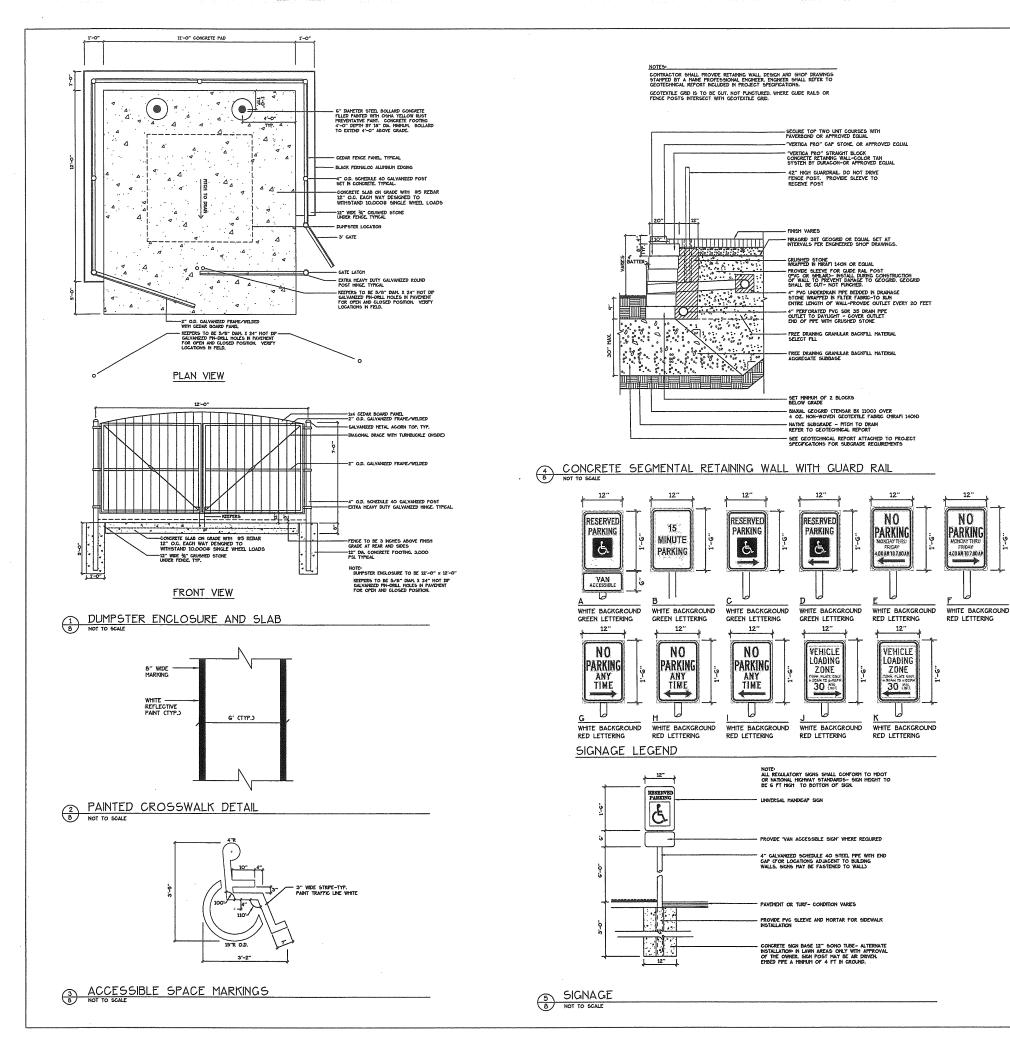
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Title:
SITE DETAILS





Prepared For: AVESTA HOUSING

Prepared By: MITCHELL & ASSOCIATES Landscape Architects
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Portland, Maine 04101
Tel: (207) 774-4427

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Consulting Engineers, Inc.
Traffic and Civil Engineering Services 16 Shaker Road 207-857-8910 Gray, ME 04039 FAX: 207-867-8912

Maine

Portland, \mathcal{O} 100 口

> Street Valley

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FLOREN

Date:

SEPTEMBER 4, 2007

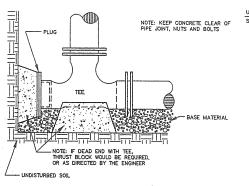
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October 2, 2007 - Per Planning Staff and Board Comments. October 17, 2007 - Per Planning Staff Comments.

SITE DETAILS

Sheet No.: 8



STANDARD TEE BLOCKING

- 1. INSTALL POLY BARRIER BETWEEN PIPE AND ALL THRUST BLOCKS.
- 2. ANY MODIFICATION TO THRUST BLOCK SIZING OR PIPE RESTRAINT REVISIONS SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO IMPLEMENTATION IN THE FIELD
- 3. ANY WORK RELATING TO WATER PIPING OR DETAILS SHALL BE IN ACCORDANCE WITH THE PORTLAND WATER DISTRICT SPECIFICATIONS

	PIPE SIZE	1/32 BEND	1/16 BEND	1/8 BEND	1/4 BEND	TEES/CAPS
[4*·	1.8	3.6	7.0	12.8	9.1
l	. 6*	3.7	7.3	14.3	26.4	8.7
l	8"	6.4	12.6	24.7	45.5	32.2

BEARING SURFACE REQUIRED IN SQUARE FEET

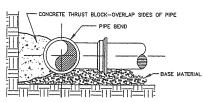
MATCH PROPOSED PAVEMENT .
SECTION OR LOAM & SEED AS REQUIRED

SUITABLE BACKFILL FREE OF FROZEN LUMPS, ROCKS OR STONES LARGER THAN 5", DEBRIS OR RUBBISH

NOTE: KEEP CONCRETE CLEAR OF PIPE JOINT, NUTS AND BOLTS

THRUST BLOCK NOTES

CONCRETE
THRUST BLOCKOVERLAP
SIDES OF PIPE PLAN VIEW



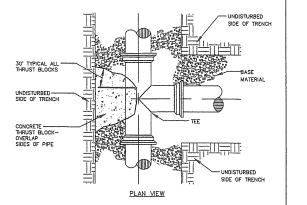
		SECTION
	THRUS	ST/RETAINER GLAND SCHEDULE
/4 BEND	(90°)	USE POURED-IN-PLACE THRUST BLOCK W/RETAINERS
1/8 BEND	(45')	THRUST BLOCK w/RETAINERS
1/16 BEND	(22 1/2")	THRUST BLOCK
/32 BEND	(11 1/4")	THRUST BLOCK

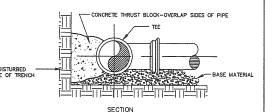
THE ABOVE SCHEDULE IS SUBJECT TO THE APPROVAL OF THE ON-SITE INSPECTOR DUE TO SOILS AND WORKING PRESSURES IN THE AREA.

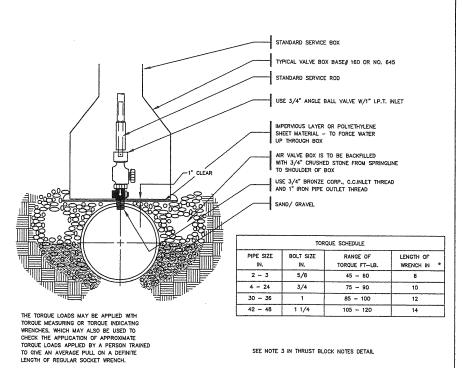
TYPICAL THRUST BLOCK PLACEMENT ON BENDS

THRUST BLOCKS

N.T.S.







UTILITY TRENCH -PRIMARY AND SECONDARY POWER, TELEPHONE, AND CABLE

SERVICE LINE D

REMARKS

N.T.S.

CONDUIT TYPE

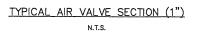
SCHEDULE 40 PVC ELECTRICAL GRADE SCHEDULE 40 PVC

SCHEDULE 40 PVC ELECTRICAL GRADE

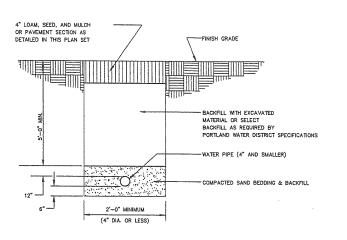
CONDUI

2-5"

SERVICE



SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL



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Prepared By:

HOUSING

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16 Shaker Road 207-667-6910 Gray, ME 04039 FAX: 207-657-6912

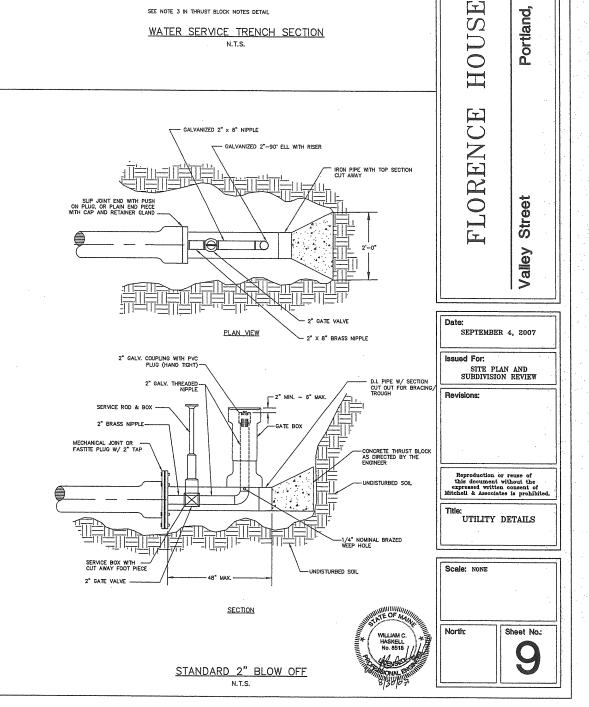
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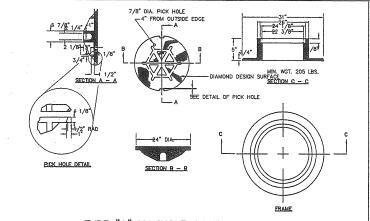
Maine

Applicant:

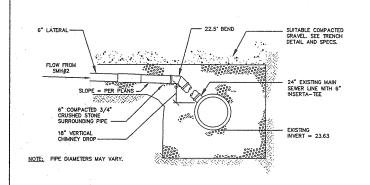
SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL

WATER SERVICE TRENCH SECTION N.T.S.

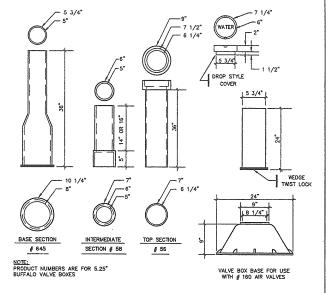




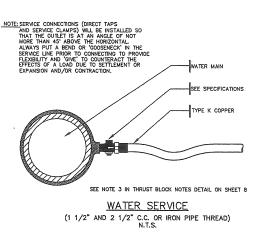
TYPE "A" MANHOLE COVER AND FRAME N.T.S.

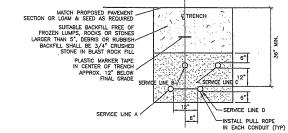


SANITARY LATERAL CONNECTION N.T.S



SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL TYPICAL VALVE BOXES





CONDUIT TYPE CONDUIT SIZE GRASS AND PAVED AREAS UTILITY PRIMARY POWER SEE NOTE SCHEDULE 40 PVC TELEPHONE SEE NOTE SCHEDULE: 40 PVC CABLE SEE NOTE SEE NOTE

NOTE: ONE CONDUIT CAPPED FOR SPARE, PROVIDE GALVANIZED STEEL LONG SWEEP AT RISER POLE AND EXTEND GALVANIZED CONDUIT TO 10" ABOVE GRADE AT POLE WITH STAND—OFF BRACKETS

UTILITY TRENCH — PRIMARY AND SECONDARY POWER, TELEPHONE, AND CABLE N.T.S.

Prepared For: Applicant: **AVESTA** HOUSING 307 Cumberland Avenue Portland, Maine 04101 Tel: (207) 553-7777 Prepared By: MITCHELL & ASSOCIATES Landscape Architects
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Consulting Engineers, Inc.
Traffic and Civil Engineering Services 15 Shaker Road 207-657-6910 Cray, ME 04039 FAX: 207-657-6912

Maine

Portland,

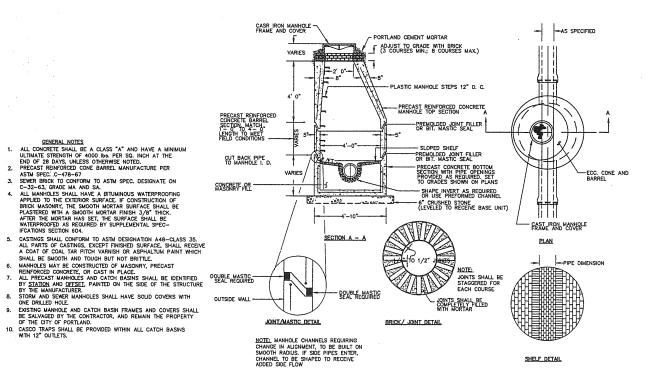
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Date:



- 1 1/2" HOT BITUMINOUS PAVEMENT GRADING "C" : ---- 2" HOT BITUMINOUS PAVEMENT GRADING "B" * PIPE ____ 3" AGGREGATE BASE COURSE - CRUSHED, TYPE "A" DIAMETER - 15" AGGREGATE SUBBASE COURSE - GRAVEL, TYPE "D" 0'-10" 12" AND SMALLE 15" 0'-8 1/4" 18" AND LARGER 0'-6 1/2" NOTE: TRENCH PAVEMENT REPLACEMENT SHALL EXTEND 9" BEYOND EDGE OF TRENCH. COMPACTED SPECIAL BACKFILL CRUSHED STONE FOR PIPE BEDDING, 703.30 ESTABLISHED TRENCH PROFILE 2" CRUSHED STONE

> TYPICAL PIPE INSTALLATION DETAIL N.T.S.

SITE PLAN AND SUBDIVISION REVIEW October 2, 2007 - Per Planning Staff and Board Comments. UTILITY AND

SEPTEMBER 4, 2007

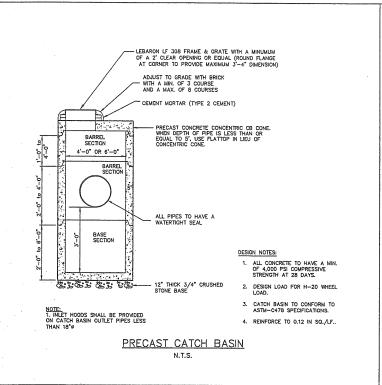
DRAINAGE DETAILS

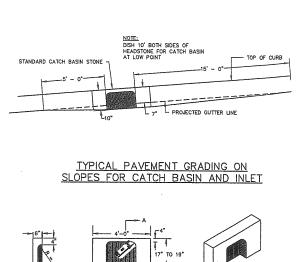
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PRECAST CONCRETE MANHOLE TYPE "A"

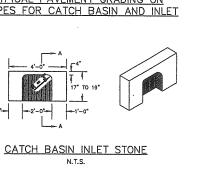
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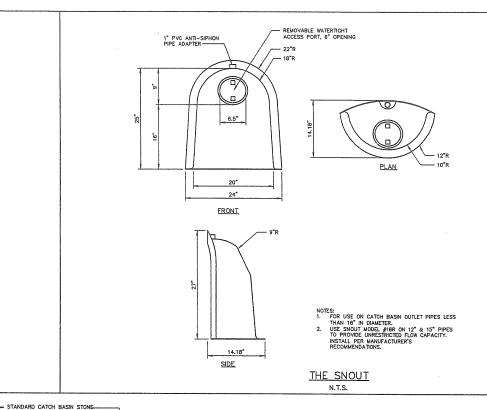
STANDARD FRAME

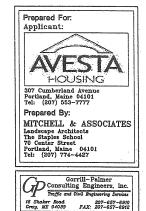


SIDEWALK OR -

PORTLAND CEMENT MORTAR

ADJUST TO GRADE WITH BRICK





Maine \mathcal{O} 00

I LOREN

Street Valley

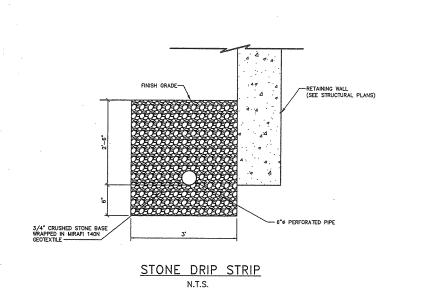
Date: SEPTEMBER 4, 2007

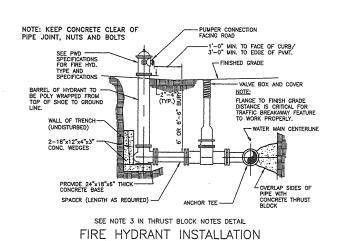
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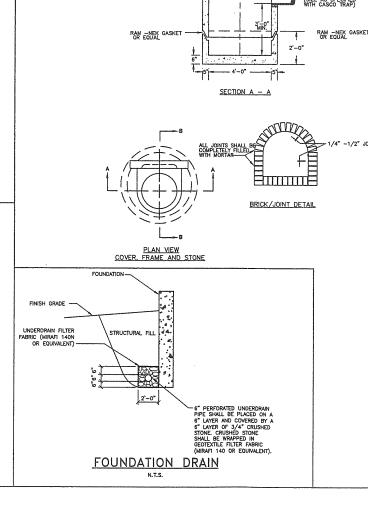
UTILITY AND DRAINAGE DETAILS

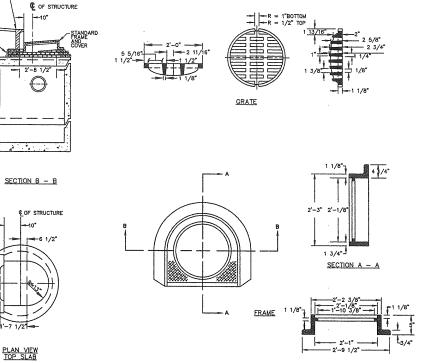
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GENERAL NOTES

ALL CONCRETE SHALL BE A CLASS "A" AND HAVE A MINIMUM ULTIMATE STRENGTH OF 4000 Ibs. PER SO. INCH AT THE END OF 26 DAYS, UNLESS OTHERWISE NOTED.

PRECAST REINFORCED CONE BARREL MANUFACTURE PER ASTM SPEC. C-478-0-7

3. SEWER BRICK TO CONFORM TO ASTM SPEC. DESIGNATE ON C-32-05, GRADE MA AND SA.

4. ALL MANHOLES SHALL HATE SIFT DIMINIOUS WATERPROOFING FOR SHALL HATE SHALL PLANSING THE CONSTRUCTION OF BRICK MASONY. THE SMOOTH MORTAR FINISH 3/8'T THICK. AFTER THE MORTAR HAS SET, THE SURFACE SHALL BE PLASTERED WITH A SMOOTH MORTAR FINISH 3/8'T THICK. AFTER THE MORTAR HAS SET, THE SURFACE SHALL BE WATERPROOFED AS REQUIRED BY SUPPLEMENTAL SPEC-JECATIONS SECTION 604.

5. CASTINGS SHALL CONFORM TO ASTM DESIGNATION A48-CLASS SHALL.

CASTINGS SHALL CONFORM TO ASTM DESIGNATION A48-CLASS 35, ALL PARTS OF CASTINGS, EXCEPT FINISHED SURFACE, SHALL RECEIVE A COAT OF COAL TAR PITCH VARNISH OR ASPHALTUM PAINT WHICH SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.

MANHOLES MAY BE CONSTRUCTED OF MASONRY, PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.

ALL PRECAST MANHOLES AND CACTA BASINS SHALL BE IDENTIFIED BY STATION AND OFFSET, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANUFACTURES.

STORM AND SEWER MANHOLES SHALL HAVE SOLID COVERS WITH ONE OFFILED HOLE.

PLASTING MANHOLE AND CATCH BASIN FRAMES AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND REMAIN THE PROPERTY OF THE CITY OF PORTLAND.

CASCO TRAPES SHALL BE PROVIDED WITHIN ALL CATCH BASINS.

CASCO TRAPS SHALL BE PROVIDED WITHIN ALL CATCH BASINS WITH 12" OUTLETS.

WILLIAM C HASKELL No. 8518 PRECAST CONCRETE CATCH BASIN TYPE "E" N.T.S.

STORMTECH PRODUCT SPECIFICATIONS

- 1.0 GENERAL

 1.1 STORMTECH CHAMBERS ARE DESIGNED TO CONTROL
 STORMMATER RUNOFF. AS A SUBSURFACE RETENTION
 SYSTEM, STORMTECH CHAMBERS RETAIN AND ALLOW
 EFFECTIVE INFILITATION OF WATER INTO THE SOIL, AS
 A SUBSURFACE DETENTION SYSTEM, STORMTECH
 CHAMBERS BETAIN AND ALLOW FOR THE METERED
 FLOW OF WATER TO AN OUTFALL
- 2.0 CHAMBER PARAMETERS
 2.1 THE CHAMBER SHALL BE INJECTION MOLDED OF POLYPROYLENE RESIN TO BE INHERENTLY RESISTANT TO ENVIRONMENTAL STRESS CRACKING (ESCR), AND TO MAINTAIN ADEQUATE STRESS THROUGH HIGHER TEMPERATURES EXPERIENCED DURING INSTALLATION AND SERVICE.
- 22 THE NOMINAL CHAMBER DIMENSIONS OF THE STORMTECH SC-740 SHALL BE 30.0 NOHES TALL, \$1.0 NCHES WIDE AND DAY, INCHES LONG. THE NOMINAL CHAMBER DIMENSIONS OF THE STORMTECH SC-310 SHALL BE 150 NCHES TALL, \$4.0 NCHES WIDE AND SAY, SOME STORM SCHOOL SC
- 2.3 THE CHAMBER SHALL HAVE A CONTINUOUSLY CURVED SECTION PROFILE.
- 2.4 THE CHAMBER SHALL BE OPEN-BOTTOMED.
- 25 THE CHAMBER SHALL INCORPORATE AN OVERLAPPING CORRUGATION JOINT SYSTEM TO ALLOW CHAMBER ROWS OF ALMOST ANY LENGTH TO BE CREATED. THE OVERLAPPING CORRUGATION JOINT SYSTEM SHALL BE EFFECTIVE WHILE ALLOWING A CHAMBER TO BE TRIMMED TO SHORTEN ITS OVERALL LENGTH.
- 18 THE NOWINAL STORAGE VOLUME OF A JOINED STORMTEGH SON, WOULD BE OF A JOINED STORMTEGH SON, AND SER SHALL BE TAD QUBIC FEET FER CHAMBER WHEN INSTALL DE FER STORMTEGH STORMTEGH STORMTEGH STORMTEGH STORMTEGH STORMTEGH STORMS WITH AN ASSUMED 40% POROSITY). THIS EQUATES TO 2.2 CUBIC FEET OF STORAGE/SOLVIAR FOOT OF BED. THE NOWINAL STORAGE VOLUME OF AN INSTALLED STORMTEGH SO-310 CHAMBER SHALL BE 31.0 CUBIC FEET PER CHAMBER WHEN INSTALLED PER STORMTEGH STORM STORMS WITH AN ASSUMED 40% POROSITY. THIS EQUATES TO 1.3 CUBIC FEET OF STORAGE/SOLVIAR STONE WITH AN ASSUMED 40% POROSITY. THIS EQUATES TO 1.3 CUBIC FEET OF STORAGE/SOLVIAR FOOT OF BED.

THE CHAMBER SHALL HAVE FORTY-EIGHT ORIFICES PENETRATING THE SIDEWALLS TO ALLOW FOR LATERAL CONVEYANCE OF WATER.

- 2.8 THE CHAMBER SHALL HAVE TWO ORIFICES NEAR ITS TOP TO ALLOW FOR EQUALIZATION OF AIR PRESSURE BETWEEN ITS INTERIOR AND EXTERIOR.
- 2.9 THE CHAMBER SHALL HAVE BOTH OF ITS ENDS OPEN TO ALLOW FOR UNIMPEDED HYDRAULIC FLOWS AND VISUAL INSPECTIONS DOWN A ROW'S ENTIRE LENGTH.
- 2.10 THE CHAMBER SHALL HAVE 14 CORRUGATIONS.
- 2.11 THE CHAMBER SHALL HAVE A CIRCULAR, INDENTED, FLAT SURFACE ON THE TOP OF THE CHAMBER FOR AN OPTIONAL 4-INCH INSPECTION PORT OR CLEAN-OUT.
- 2.12 THE CHAMBER SHALL BE ANALYZED AND DESIGNED USING AASHTO METHODS FOR THERMOPILASTIC CULVERTS CONTAINED IN THE LERD BRICO DESIGN SPECIFICATIONS, 2ND EDITION, INCLUDING INTERIM SPECIFICATIONS, 2ND EDITION, INCLUDING INTERIM SPECIFICATIONS THROUGH 2021, DESIGN UNIT LO SHALL BE THE AASHTO HS20 TRUCK. DESIGN SHALL CONSIDER EARTH AND LUE LOADS AS A PEROPRIATE FOR THE MINIMUM TO MAXIMUM SPECIFIED DEPTH OF FILL.
- 2.13 THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2000 CERTIFIED FACILITY.
- 3.0 END CAP PARAMETERS
 3.1 THE END CAP SHALL BE INJECTION MOLDED OF POLYPROPYLENE RESIN TO 9E INHERENTLY RESISTANT TO ENVIRONMENTAL STRESS CRACKING, AND TO MANTAIN ADEQUATE STRENSS THROUGH HIGHER TEMPERATURES EXPERIENCED DURING INSTALLATION AND SERVICE.
- 3.2 THE END CAP SHALL BE DESIGNED TO FIT INTO ANY CORRUGATION OF A CHAMBER, WHICH ALLOWS: CAPPING A CHAMBER THAT HAS ITS LENGTH TRIMMED; SEGMENTING ROWS INTO STORAGE BASINS OF VARIOUS LENGTHS.

THE END CAP SHALL HAVE SAW GUIDES TO ALLOW EASY CUTTING FOR VARIOUS DIAMETERS OF PIPE THAT MAY BE USED TO INLET THE SYSTEM.

THE END CAP SHALL HAVE EXCESS STRUCTURAL ADEQUACIES TO ALLOW CUTTING AN ORIFICE OF ANY SIZE AT ANY INVERT ELEVATION.

THE PRIMARY FACE OF AN END CAP SHALL BE CURVED OUTWARD TO RESIST HORIZONTAL LOADS GENERATED NEAR THE EDGES OF BEDS.

THE END CAP SHALL BE MANUFACTURED IN AN ISO 9001:2000 CERTIFIED FACILITY.

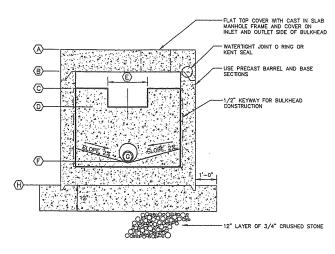
STORMTECH GENERAL NOTES

- OUR TECHNICAL SERVICES DEPARTMENT OFFERS INSTALLATION CONSULTATIONS TO INSTALLATION CONSULTATIONS TO INSTALLATION CONSULTATIONS TO INSTALLATION CONSULTATIONS TO INSTALLATION CONSULTATION CONSULTATION CARRIED TO SYSTEM INSTALLATION OF ARRANGE A PRE-INSTALLATION CONSULTATION. OUR REPRESENTATIVES CAN THEN ANAWER QUESTIONS OF A DIFFERS COMMENTS ON THE STORMITCH CHAMBER SYSTEM AND INFORM THE INSTALLATION CONTRACTION OF THE MINIMUM INSTALLATION REQUIREMENTS BEFORE BEGINNING THE SYSTEMS CONSTRUCTION. CALL 1488-82-288-81 TO SPEAK TO A TECHNICAL SERVICE REPRESENTATIVE OR VISIT WWW.STORMITCH.COM TO RECEIVE A COPY OF OUR INSTALLATION INSTALLATION RECORDS TO THE CHAMBER OF THE MINIMUM INSTALLATION CALL 1488-82-288-81 TO SPEAK TO A TECHNICAL SERVICE REPRESENTATIVE OR VISIT WWW.STORMITCH.COM TO RECEIVE A COPY OF OUR INSTALLATION INSTRUCTIONS.
- 3. STORMTECH'S REQUIREMENTS FOR SYSTEMS WITH PAVEMENT DESION (ASPHALT, CONCRETE PAVEMS, ETC.); MINIMUM COVER 18 18 INCHES NOT INCLUDING PAVEMENT; MAXIMUM COVER 18 96 INCHES INCLUDING PAVEMENT, FOR INSTALLATIONS THAT DO NOT INCLUDE PAVEMENT, WHERE RUTTING FROM VEHICLES MAY OCCUM, MINIMUM REQUIRED COVER 18 34 INCHES, MINIMUM COVER 18 95 INCHES.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE DESIGN ENGINEER.
- AASHTO M288 CLASS 2 NON-WOVEN GEOTEXTILE (FILTER FABRIC) MUST BE USED AS INDICATED IN THE PROJECT PLANS.

- STONE PLACEMENT BETWEEN CHAMBERS ROWS AND AROUND PERIMETER MUST FOLLOW INSTRUCTIONS AS INDICATED IN THE MOST CURRENT VERSION OF STORMTECH'S INSTALLATION INSTRUCTIONS.
- THE CONTRACTOR MUST REFER TO STORMTECH'S INSTALLATION INSTRUCTIONS FOR A TABLE OF INSTALLATION INSTRUCTIONS FOR A TABLE OF ACCEPTABLE VEHICLE LODGS AT VANIOUS DEPTHS OF COVER, THIS INFORMATION IS ALSO AVAILABLE AT COVER, THIS INFORMATION IS ALSO AVAILABLE AT COVER THE ACCEPTABLE OF A VALUE OF THE COVER THE ACCEPTAGE OF THE A
- THE CONTRACTOR MUST APPLY EROSION AND SEDIMENT CONTROL MEASURES TO PROTECT THE STORMWATER SYSTEM DURING ALL PHASES OF SITE CONSTRUCTION PER LOCAL CODES AND DESIGN ENGINEER'S SPECIFICATIONS.
- 10. STORMTECH PRODUCT WARRANTY IS LIMITED. SEE
 CURRENT PRODUCT WARRANTY FOR DETAILS. TO
 ACQUIRE A COPY CALL STORMTECH AT 1-888-892-2694 OR
 VISIT WAND STRIBBLE OF A CO.

SUBSURFACE DETENTION SYSTEM MAY BE SUBSTITUTED WITH AN ENGINEER APPROVED EQUIVALENT THAT PROVIDES EQUAL DETENTION STORAGE

NOTES: 2. SEE SHEET 3, GRADING AND DRAINAGE PLAN FOR ADDITIONAL STORM DRAIN DESIGN DATA.



SECTION A-A OUTLET CONTROL STRUCTURE NOT TO SCALE SEE SCHEDULE A

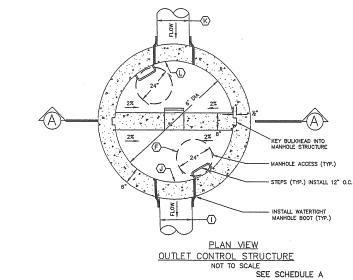
SCHEDULE A OUTLET CONTROL STRUCTURE						
ITEM DESCRIPTION	DIMENSION/ELEVATION					
(A) TOP OF STRUCTURE (B) UNDERSIDE TOP SLAB (C) TOP CONCRETE BULKHEAD (D) WEIR INVERT (E) WEIR LENGTH (O) ORIFICE INVERT (O) ORIFICE INVERT (WALL SLEEVE I.D. (H) BOITOM OF STRUCTURE (I) INVERT OUT (I) PIPE DIAMETER (I) INVERT OUT (I) PIPE DIAMETER (II) INVERT IN (II) INVERT IN (III) IN	34.50 33.50 6" 31.00 3" 8" 6 12" 30.80 12" 31.00					

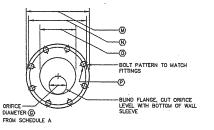
*STRUCTURE DIMENSIONS SHALL BE PER MANUFACTURER'S DESIGN

SC-740 END CAP

SC-740 CHAMBER

STRUCTURE SHALL CONFORM TO MANHOLE DESIGN REQUIREMENTS AND SHALL BE H-ZO LOAD RATED.





SCHEDULE C ORIFICE							
DES	SCRIPTION	DIMENSION					
₩	FLANGE O.D.	13.5"					
№	BOLT CIRCLE	11.75"					
0	NOMINAL PIPE DIA.	8"					
®	BOLT HOLE DIA.	7/8"					
		L					

ORIFICE DETAIL SEE SCHEDULE C

- BACKFILL TO BOTTOM OF PAVEMENT SECTION WITH SELECT BACKFILL



Prepared By: MITCHELL & ASSOCIATES
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> Maine **Portland**, Ω

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Street

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Date: SEPTEMBER 4, 2007

Issued For: SITE PLAN AND SUBDIVISION REVIEW

Revisions

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DETENTION SYSTEM DETAILS

Scale: NONE

North:

Sheet No.:

1 1/2" CRUSHED ANGULAR STONE GRADATION SIEVE % PASSING BY WEIGHT 1 1/2" 90 - 100 1" 20 - 55 0 - 15 3/4" 3/8" 0 - 5

1 1/2" CRUSHED -ANGULAR STONE. SEE GRADATION PAVEMENT SECTION - SEE SITE DETAIL AASHTO M288 CLASS 2-VARIES, 24" MINIMUM EL. 34.00 —12" UNDERDRAIN, SEE DRAWING 3 —
GRADING AND DRAINAGE PLAN FOR LOCATION,
PLACE PIPE 12" OF CHANBER ROW AND
PLACE 12" OF STONE OUTSIDE PIPE. PLACE
PIPE INVERT AT 31.00 AND PROVIDE 3" OF
STONE BEDIONN BENEATH THE PIPE.... CHAMBER STORAGE 45.9 CF INSTALLED CHAMBER STORAGE 74.9 CF (6" STONE BASE)

CHAMBER CROSS SECTION

EROSION CONTROL MEASURES AND SITE STABILIZATION

THE PRIMARY EMPHASIS OF THE EROSION/SEDIMENTATION CONTROL PLAN TO BE IMPLEMENTED FOR THE INFRASTRUCTURE CONSTRUCTION IS AS FOLLOWS:

— DEVLOPMENT OF A CAREFUL CONSTRUCTION SEQUENCE.

— RAPID REVECETATION OF DEVUEDE AREAS TO MINIMIZE THE PERIOD OF SOIL EXPOSURE.

— RAPID REVECETATION OF DEVIAINED FAIRS TO AVOID RILL AND GULLY EROSION.

— THE USE OF ON—SITE MEASURES TO CAPTURE SEDIMENT (SILT FENCE, CHECK DAMS, ETC.).

- THE FOLLOWING TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL DEVICES WILL BE IMPLEMENTED AS PART OF THE SITE DEVELOPMENT. THESE DEVICES SHALL BE INSTALLED AS INDICATED ON THE PLANS OR AS DESCRIBED WITHIN THIS REPORT. FOR FURTHER REFERENCE, SEE THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES.

TEMPORARY EROSION CONTROL MEASURES

THE FOLLOWING MEASURES ARE PLANNED AS TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION:

- UTILIZE THE EXISTING ENTRANCE ONTO PREBLE STREET EXTENSION, IF ACCESS SHALL BE REQUIRED AT THE PROPOSED ENTRANCE ONTO MARGINAL WAY AT THE NORTHERLY PROPERTY LINE WITH THE ABUTTING PROPERTY, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED AND MAINTAINED DURING CONSTRUCTION TO PREVENT OFF-TRACKING OF DIRT AND DEBRIS.
- SITATION FENCE OR WOOD WASTE COMPOST BERMS SHALL BE INSTALLED DOWNSTREAM OF ANY DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL ADEQUATE CATCH (90% OR GREATER) HAS OCCURRED. THE SIT FENCE AMPLOY RING WOOD WASTE COMPOST BERMS SHALL BE INSTALLED PER THE DETAILS PROVIDED IN THIS PACKAGE AND INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL REPAIRS SHALL BE MADE IF THERE ARE ANY SIGNS OF EROSION OF ANY OF THE PROPERTY OF
- STRAW OR HAY MULCH INCLUDING HYDROSEEDING IS INTENDED TO PROVIDE COVER FOR DENUDED OR SEEDED AREAS UNTIL REVEGETATION IS ESTABLISHED. MULCH PLACED BETWEEN APRIL 15TH AND SEPTEMBER 15TH ON SLOPES OF LESS THEN 15 PERCENT SHALL BE ANCHORED BY APPLYING WATER; MULCH PLACED ON SLOPES OF EQUAL TO OR STEEPER THAN 15 PERCENT SHALL BE COVERED BY A FARRIC NETTING AND ANCHORED WITH STAPLES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. MULCH PLACED DETWEEN SEPTEMBER 15TH AND APPL 15TH ON SLOPES SEQUAL TO RECOMMENDATION. SUCCESS SEPTEMBER 15TH AND APPL 15TH ON SLOPES SEQUAL TO STAPLED FOR A SEPTEMBER 15TH AND APPL 15TH ON SLOPES SEQUAL TO STAPLED FOR A SEPTEMBER 15TH AND APPL SHOPES SECTION OF SHALL ROCKES WITH A SECTION OF SECTION OF SHALL ROCKES WITH A SECTION OF SECTION OF SHALL ROCKES OF SECTION OF SECTION OF SHALL ROCKES OF SECTION OF SECTION OF SHALL ROCKES OF SECTION OF SECTIO
- TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION WILL BE PROTECTED AS FOLLOWS:
- TEMPORARY STOCKPILES SHALL NOT BE LOCATED WITHIN 100 FEET OF ANY WETLANDS THAT ARE TO BE LEFT UNDISTURBED AND ANY SLOPES EXCEEDING 15%
- STOCKPILES SHALL BE STABILIZED WITHIN 7 DAYS BY EITHER TEMPORARILY SEEDING THE STOCKPILE WITH A HYDROSEED METHOD CONTAINING AN EMULSIFIED MULCH TACKIFIER OR BY COVERING THE STOCKPILE WITH MULCH.
- STOCKPILES SHALL BE SURROUNDED BY SILT FENCE OR WOOD-WASTE COMPOST BERMS AT THE TIME OF FORMATION.
- ALL DENUDED AREAS WITHIN 100 FEET OF AN UNDISTURBED WETLAND THAT HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN A ROADWAY SUBBASE AREA SHALL RECEIVE MULCH OR EROSION CONTROL MESH FABRIC WITHIN 70 FEET OF INITIAL SOLD IDSTURBANCE. ALL AREAS WITHIN 50 FEET OF UNDISTURBED WETLAND AREA SHALL BE MULCHED PRIOR TO ANY PREDICTED RAIN EVENT REGARDLESS OF THE 7-DAY MINDOW. IN OTHER AREAS, THE THILE PERFOR MAY BE EXTENDED TO 14 DAYS. ALL DISTURBED AREAS LOCATED WITHIN 100 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT BARRIERS. FOR WORK CONDUCTED BETWEEN SEPTEMBER 15TH AND APPAIL 15TH OF ANY CALENDAR YEAR, ALL DENUDED AREAS WILL BE COVERED WITH HAY MULCH APPLIED AT THREE THE NORMAL APPLICATION RATE AND ANCHORED WITH FABRIC RETTRINS. THE TIME PERFORD FOR APPLYING MULCH AS NOTED IN PARAGRAPH I.A.5 SHALL BE LIMITED TO 7 DAYS FOR ALL AREAS.
- MARGINAL WAY AND PREBLE STREET EXTENSION SHALL BE SWEPT TO CONTROL OFF-TRACKING OF MUD, DEBRIS, AND DUST AS NECESSARY.
- DURING GRUBBING OPERATIONS STONE CHECK DAMS WILL BE INSTALLED AT ANY EVIDENT CONCENTRATED FLOW DISCHARGE POINTS.
- SILT FENCING WITH A MAXIMUM STAKE SPACING OF 6 FEET SHOULD BE USED, UNLESS THE FENCE IS SUPPORTED BY WITH FENCE REINFORCEMENT OF WINNIUM 14 GAUGE AND WITH A MAXIMUM MESH SPACING OF 6 INCHES, IN WHICH CASE STAKES MAY BE SPACED A MAXIMUM OF 10 FEET APART. THE BOTTOM OF THE FENCE SHOULD BE ANCHORED.
- WOOD WASTE COMPOST/BARK BERMS MAY BE USED IN LIEU OF SILTATION FENCING. BERMS SHALL BE REMOVED AND SPREAD INTO A LAYER NOT TO EXCEED 3" THICK ONCE UPSTREAM AREAS ARE COMPLETED AND A 90% CATCH OF VEGETATION IS ALTAINED. WOOD WASTE EROSION TUBES MAY ALSO BE USED FOR PERMITER SEDIMENT CONTROL OR CHECK DAMS, OR TO REDUCE SLOPE LENGTHS. THESE TUBES MAY BE CREATED 8"-RELIMIC FILTENSY MESH TUBES OR APPROVED EQUIVALENT WITH WOOD WASTE MATERIAL AND STAKING THE TUBE TO THE GROUND WHERE THE CONTROL IS NECESSARY.
- INLET PROTECTION MEASURES SHALL BE IMPLEMENTED FOR ALL CATCH BASINS LOCATED WITH THE DISTURBED CONSTRUCTION AREA. MEASURES SHALL BE MAINTAINED REGULARLY AND SHALL NOT CAUSE FLOCOBIO IN PUBLIC RICHT-OF-WAYS.
- 12. WATER SHALL BE FURNISHED AND APPLIED IN ACCORDANCE WITH MDOT SPECIFICATIONS SECTION 637 DUST CONTROL.
- LOAM AND SEED IS INTENDED TO SERVE AS THE PRIMARY PERMANENT REVECETATIVE MEASURE FOR ALL DENDED AREAS NOT PROVIDED WITH OTHER EROSION CONTROL MEASURES SUCH AS RIPRAP, APPLICATION RATES ARE PROVIDED IN ATTACHMENT A OF THIS SECTION. SEEDING SHALL NOT OCCUR OVER SNOW.
- B. PERMANENT EROSION CONTROL MEASURES
- THE FOLLOWING PERMANENT EROSION CONTROL MEASURES HAVE BEEN DESIGNED AS PART OF THE EROSION AND SEDIMENTATION CONTROL PLAN:
- ALL AREAS DISTURBED DURING CONSTRUCTION BUT NOT SUBJECT TO OTHER RESTORATION (BUILDING, PANING, RIPRAP, ETC.). SHALL BE LOAMED, LIMED, FERTILIZED, MULCHED, AND SEEDED. FABRIC NETTING ANCHORED MIT STAPLES SHALL BE PLACED OVER THE MULCH IN AREAS AS NOTED IN PARAGRAPH I.A.S. ALL DISTURBED AREAS "WITHIN 100 FEET OF AN UNDISTURBED WETLAND AREA SHALL BE MULCHED PRIOR TO ANY PREDICTED RANK DEVAIT REGARDLESS OF THE 7-DAY WINDOW. NATIVE TOPSOILS SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION IF DEEMED TO BE OF SUFFICIENT QUALITY.

THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE REQUIRED TO INSURE THAT THE EFFECTIVENESS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES IS OPTIMIZED:

NOTE: FOR ALL GRADING ACTIVITIES, THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION NOT TO OVEREXPOSE THE SITE BY LIMITING THE DISTURBED AREA.

- INSTALL PERIMETER SILTATION FENCE AND/OR WOOD WASTE BERMS PRIOR TO GRUBBING RESPECTIVE AREAS.
- 2. CLEAR AND GRUB AREA AS NECESSARY FOR CONSTRUCTION
- 3. REMOVE EXISTING PAVEMENT WITHIN WORK LIMITS.
- DURING GRUBBING OPERATIONS, INSTALL STONE CHECK DAMS AT ANY EVIDENT CONCENTRATED FLOW DISCHARGE POINTS.
- 5. COMMENCE EARTHWORK OPERATIONS FOR PROPOSED DRIVEWAYS AND BUILDING FOUNDATION.
- 6. CONTINUE GRADING TO SUBGRADE AS NECESSARY
- B. COMPLETE REMAINING EARTHWORK OPERATIONS
- 10. COMPLETE INSTALLATION OF UTILITY APPURTENANCES
- 11. INSTALL SURFACE COURSE GRAVELS FOR THE DRIVEWAYS. 12. LOAM, LIME, FERTILIZE, SEED, AND MULCH REMAINING DISTURBED AREAS.
- ONCE THE SITE IS STABILIZED AND A 90% CATCH OF VEGETATION HAS BEEN OBTAINED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
- NOTE: ALL DENUDED AREAS NOT SUBJECT TO FINAL PAVING, RIPRAP, OR GRAVEL SHALL BE REVEGETATED.

PRIOR TO CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A SCHEDULE FOR THE COMPLETION OF THE WORK, WHICH WILL SATISFY THE FOLLOWING CRITERIA:

- THE ABOVE CONSTRUCTION SECUENCE SHALL EDISEALLY BE COMPLETED IN THE SPECIFIED ORDER. HOWEVER, SCHEAL SEPARATE ITMES MAY BE CONSTRUCTED SMULTAMENDLY, WORN HAUST ISSO BE SCHEDUED OR PHASED TO PREVENT THE EXTENT OF THE EXPOSED AREAS. IS SPECIFIED BECOME. THE INTENT OF THE ABOVE SEQUENCE IS TO PROVIDE FOR SUFFICIENT EROSION AND SEDIMENTATION CONTROL AND TO HAVE STRUCTURAL MEASURES SUCH AS SLIT FENCE AND CONSTRUCTION ENTRANCE IN PLACE BEFORE LARGE AREAS OF LAND ARE DEBUNDED.
- 2. THE WORK SHALL BE CONDUCTED IN SECTIONS WHICH WILL:
- LIMIT THE AMOUNT OF EXPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BE UNDERTAKEN DURING THE PROCEEDING 30 DAYS.
- REVISETATE DISTURBED AREAS AS RAPHLY AS PASSIBLE. ALL AREAS SHALL BE FERMANDATENTS STABILIZED WITHIN 7 DAYS OF FINAL GRADING OR BETGREE A STORM EXEMIT, OF TEMPASTARY STABILIZED WITHIN 7 DAYS OF INITIAL DISTURBANCE OF SOIL FOR AREAS WITHIN 100 FRET OF AN UNDISTURBED WETLAND AREA AND WITHIN 14 DAYS FOR ALL OTHER AREAS. AREAS WITHIN 100 FRET OF AN UNDISTURBED WETLAND AS AND WITHIN 14 DAYS FOR ALL OTHER AREAS. AREAS WITHIN 100 FRET OF AN UNDISTURBED WETLAND SHALL BE MULCHED PRIOR TO ANY PREDICTED RAIN EVENT REGARDLESS OF THE 7-DAY WINDOW.
- WINTER STABILIZATION PLAN

IF A SUMMER/FALL CONSTRUCTION SCHEDULE IS NOT POSSIBLE AND CONSTRUCTION IS NECESSARY BETWEEN SEPTEMBER 15TH AND APRIL 15TH OF ANY CALENDAR YEAR, THE CONTRACTOR SHALL SUBMIT A SCHEDULE, WHICH WILL SATISFY THE FOLLOWING CRITERIA:

- THE EXTENT OF EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BI UNDERTAKEN DURING THE PROCEEDING 15 DAYS AND CAN BE MULCHED IN THE EVENT OF A PREDICTED SNOW EVENT.
- ALL DISTURBED AREAS SHALL BE COVERED WITH MULCH WITHIN 7 DAYS OF FINAL GRADING. MULCH SHALL NOT BE PLACED OVER SNOW.
- ONCE FINAL GRADE HAS BEEN ESTABLISHED, THE CONTRACTOR MAY CHOOSE TO DORMANT SEED THE DISTURBED AREAS PRIOR TO PLACEMENT OF MULCH AND PLACEMENT OF STAPLE-ANCHORED FABRIC NETTING.
- A. IF DORMANT SEEDING IS USED FOR THE SITE, ALL DISTURBED AREAS SHALL RECEIVE 6" OF LOAM AND SEED AT AN APPLICATION RATE OF 5 LBS. PER 1000 S.F. SEEDING SHALL NOT OCCUR OVER SNOW.
- ALL AREAS SEEDED DURING THE WINTER MONTHS SHALL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH. ALL AREAS INSUFFICIENTLY VEGETATED (LESS THAN 80% CATCH) SHALL BE REVEGETATED (BY REPLACING LOAM, SEED, AND MULCH AS NECESSARY TO ACHIEVE 80% CATCH.

- THE ABOVE SCHEDULE SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.

THE CONTRACTOR SHALL INSTALL ANY ADDED MEASURES THAT MAY BE NECESSARY TO CONTROL EROSION AND SEDIMENTATION FROM THE SITE DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS.

THE CONTRACTOR SHALL NOTE THAT NO AREAS WITHIN 100 FEET OF AN UNDISTURBED WETLAND SHALL REMAIN DENUDED FOR LONGER THAN 7 DAYS BEFORE BEING TEMPORARILY STABILIZED. ALL OTHER AREAS SHALL BE STABULZED WITHIN 16 DAYS. FOR CONSTRUCTION BETWEEN SETPLEMER 15TH AND APRIL 15TH OF ANY CALENDAR YEAR, ALL AREAS SHALL BE TEMPORARILY STABILIZED WITHIN 7 DAYS.

IV. INSPECTION AND MAINTENANCE

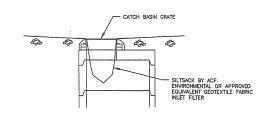
THE FOLLOWING INSPECTION AND MAINTENANCE STANDARDS SHALL BE REQUIRED TO INSURE THE EFFECTIVENESS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES ARE OPTIMIZED DURING CONSTRUCTION.

FOR FURTHER REFERENCE, SEE THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION CHAPTER 500 STORMWATER MANAGEMENT RULES AND THE MAINE CONSTRUCTION GENERAL PERMIT (MCGP) REQUIREMENTS.

- INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION CONTROL MEASURES, MATERIALS STORAGE AREAS EXPOSED TO PRECIPITATION AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECTION SHOULD OCCUR AT LEAST GNCE A WEEK AS WELL AS BEFORE AND AFTER A STORM EVENT, AND PRIOR TO COMPLETING PERMANENT STABILIZATION MEASURES.
- MAINTAIN ALL EROSION AND STORMWATER CONTROL MEASURES UNTIL AREAS ARE PERMANENTLY STABILIZED. IF MAINTENANCE, MODIFICATION, AND/OR INSTALLATION OF ADDITIONAL BEST MANAGEMENT PRACTICES (BMPS) ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EYENT.

THE FOLLOWING STANDARDS SHALL BE REQUIRED. FOR FURTHER REFERENCE, SEE THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION CHAPTER 500 STORMWATER MANAGEMENT RULES.

- SPILL PREVENTION CONTROLS MUST BE UTILIZED TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS ONSITE.
- DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AM INFILITATION AREA OR ADJACENT TO THE STORMWATER CATCH BASINS AND DRAIN MANHOLES.
- ACTION MUST BE TAKEN TO ENSURE ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION.
- LITTER, CONSTRUCTION DEBRIS, AND CHEMICALS EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- WATER COLLECTED AS A RESULT OF TRENCH DEWATERING MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, UNK A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE.
- 6. IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES.
- 7. ADDITIONAL REQUIREMENTS MAY BE APPLIED ON A SITE-SPECIFIC BASIS.



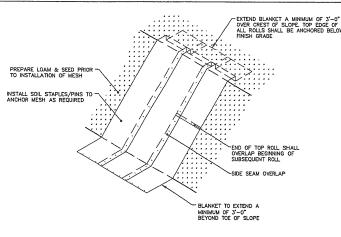
NOTE: CONTRACTOR SHALL ADD STONE TO ENTRANCE

INLET PROTECTION

STABILIZED CONS

2" TO 3" CRUSHED-STONE

FLOW



N.T.S.

1. INSTALL EROSION CONTROL MESH IN ACCORDANCE WITH PRODUCT MANUFACTURERS RECOMMENDATIONS WITH CONSIDERATION SPECIFIC TO SITE CONDITIONS.

SLOPE SURFACE SHALL BE PREPARED TO A SMOOTH EVEN SURFACE THAT IS FREE OF ROCKS, SOIL CLODS, STICKS, AND OTHER DEBRIS. MESH MUST HAVE GOOD SOIL CONTACT. APPLY PERMANENT SEEDING PRIOR TO PLACING MESH.

3. OVERLAP SIDES AND ENDS OF MESH; UPHILL SEGMENTS MUST LAP OVER DOWNHILL SEGMENTS. THE TOPMOST SEGMENT SHALL BE KEYED INTO THE SOIL AND COVERED BY LOAM & SEED. ANCHOR THE MESH TO THE GROUND SUBFACE USING SOIL STAHELSYPINS PER MANUFACTUREN'S RECOMMENDATIONS.

EROSION CONTROL MESH

0.020 0.030 0.040 0.050 0.080 0.100 STONE (

SECTION

(FT./FT.)

NOTES:

- 1. THE WOOD WASTE COMPOST/BARK MIX SHALL CONFORM TO THE FOLLOWING STANDARDS:
- A. MOISTURE CONTENT 30-60%.

 8. pH 5.0 8.0.

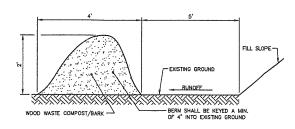
 C. SCREEN 3ZE 100% LESS THAN 3", MAX. 70% LESS THAN 1".

 D. NO LESS THAN 40% ORGANIC MATERIAL (DRY WEIGHT) BY LOSS OF IGNITION.

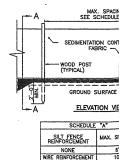
 E. NO STONES LAFGER THAN 2" IN DIAMETE
- 2. THE COMPOST BERM SHALL BE PLACED, UNCOMPACTED, ALONG A RELATIVELY LEVEL CONTOUR.
- 3. THE WOOD WASTE COMPOST/BARK FILTER BERM MAY BE USED IN LIEU OF SILTATION FENCE, AT THE TOE OF SHALLOW SLOPES, ON FROZEN GROUND, LEDGE OUT CROPS, VERY ROOTED FORESTED AREA OR AT THE EDGE OF GRAVEL PARKING AREAS.

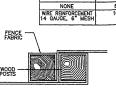
4. BERMS SHALL REMAIN IN PLACE UNTIL UPSTREAM AREA IS COMPLETED OR 70% CATCH OF VEGETATION IS ATTAINED. BERMS SHALL BE REMOVED BY SPREADING SUCH THAT NATIVE EARTH CAN BE SEEN BELOW.

5. WOOD WASTE COMPOST/BARK FILTER BERM SHALL NOT BE USED IN WETLAND AREAS.



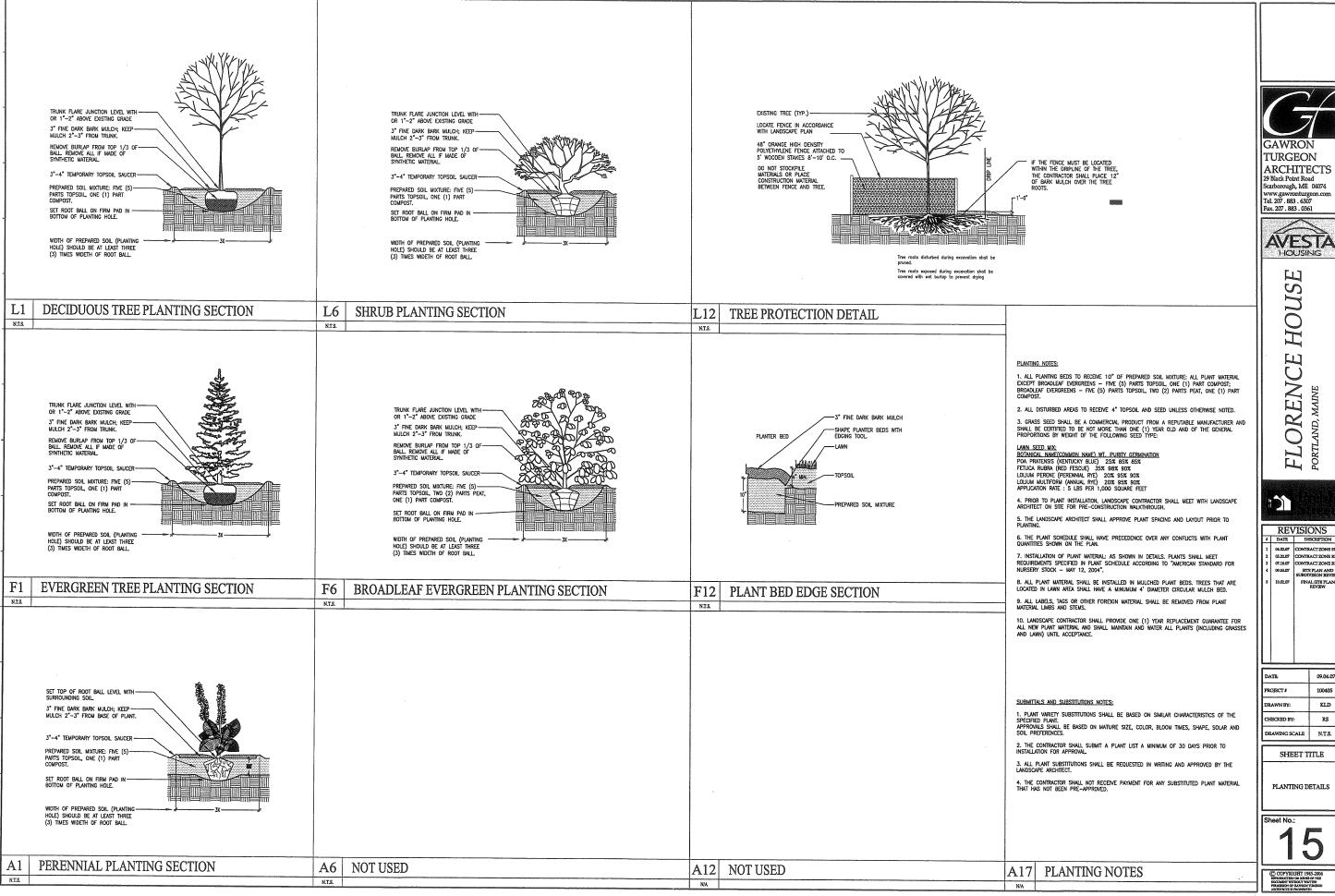
WOOD WASTE COMPOST/BARK FILTER BERM





SECTION B-B

SILTATI



TURGEON **ARCHITECTS** 29 Black Point Road Scarborough, ME 04074 www.gawronturgeon.com Tel. 207 . 883 . 6307



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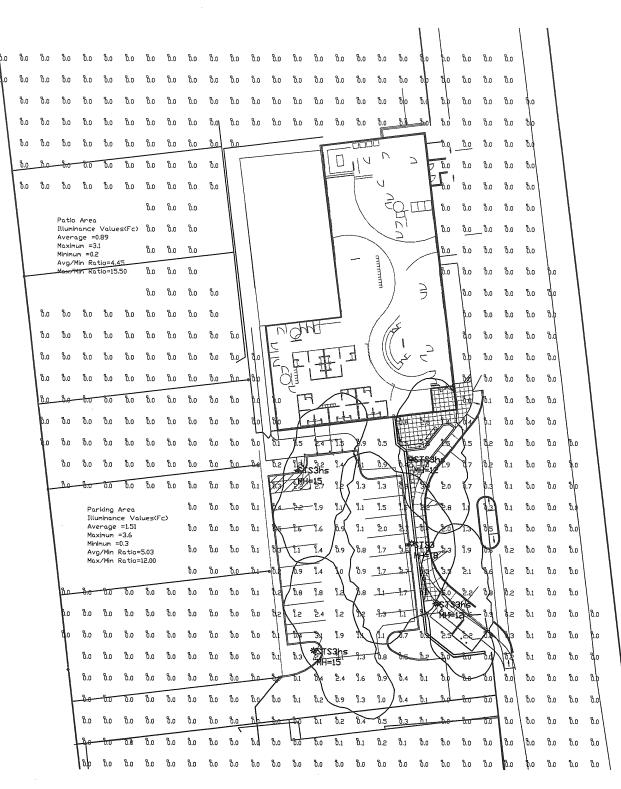
REVISIONS

09.04.07 100405 KLD

RS RAWING SCALE N.T.S.

SHEET TITLE

PLANTING DETAILS



Luminaire S	Luminaire Schedule							
Symbol	Qty	Label	Description	Lumens	LLF	Filename		
-	1	SZZZ	1A/STS3_175MHxxx_xx	12800	0.720	STS3-175M.ies		
-E	4	STS3hs	1A/STS3_175MHxxx_xx_HS	12800	0.720	STS3-175M-HS.ies		
-6	1	STS4hs	1A/STS4_175MHxxx_xx_HS	12800	0.720	STS4-175M-HS.ies		

Luminaire Location Summary							
SeqNo	Status	Label	X	Υ	Z	Orient	Tilt
1	On	STS4hs	2973.375	2810.625	15	6.981	0
4	On	SZZ3	3050	2672	18	185.947	0
2	0n	STS3hs	3050	2712	12	6.882	0
5	0n	STS3hs	3062	2644	12	6.882	0
3	Dn	STS3hs	2995	2706.875	15	344.219	0
6	0n	STS3hs	3004	2622	15	25.989	0

Numeric Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	Illuminance	Fc	0.28	6.0	0.0	N.A.	N.A.

Statistical Area Summary							
Label	Avg	Max	Min	Avg/Min	Max/Min		
Drive Through	1.65	5.0	0.3	5.50	16.67		
Parking Area	1.51	3.6	0.3	5.03	12.00		
Patio Area	0.89	3.1	0.2	4.45	15.50		

Drive Through
Illuminance Values(Fc) Average =1.65 Maximum =5.0 Minimum =0,3 Avg/Min Ratio=5.50 Max/Min Ratio=16.67



APPLICATIONS DEPARTMENT CACULATIONS BY:
VOICE:
FACSIHILE:
ENAIL:

TURGEON

ARCHITECTS 29 Black Point Road Scarborough, ME 04074

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THECKED BY:

FLOREN PORTLAND, MAINE

REVISIONS

04.02.07 CONTRACT ZONE SU

05.22.07 CONTRACT ZONE R

SITE PLAN AND SUBDIVISION REVIE

FINAL SITE PLAN

09.04.07

100405

KLD

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RAWING SCALE 1" = 20'-0"

SHEET TITLE

PHOTOMETRICS PLAN

A1 LIGHTING - PHOTOMETRICS PLAN

1" = 20"