

# Matt Hancock Properties

**PO. Box 295  
Casco, Maine 04015**

Owner  
Matt Hancock Properties  
PO. Box 295  
Casco, Maine 04015  
Tel: (207)-

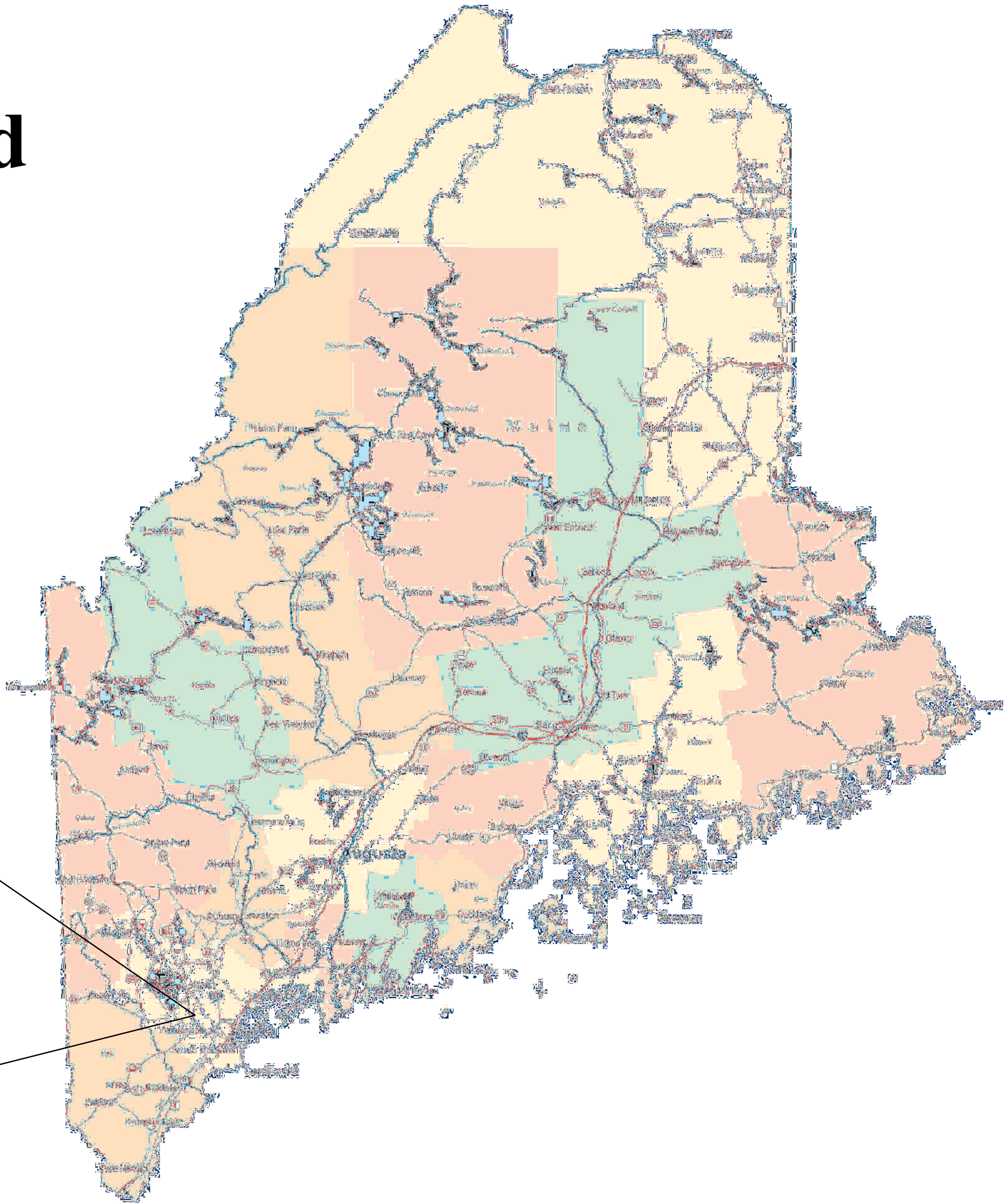
Engineer of Record  
Kirk J. Ball, P.E.  
Acheron Engineering Services  
147 Main Street  
Newport, ME 04953  
Tel: 207-368-5700

Boundary Survey  
Plisga & Day  
72 Main Street  
Bangor, ME. 04401  
Tel: (207)-947-0019

Code Enforcement Director  
Town of Windham  
Christopher Hanson  
8 School Road  
Windham, ME. 04062  
Tel: (207)-894-5960 ext. 1

## Durant Homestead

**Chute Road  
Windham, Maine 04062**



***ACHERON ENGINEERING SERVICES***  
*Engineering, Environmental & Geologic Consultants*

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147 Main St.  
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(207)-368-5700

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Brooksville, Fl. 34602  
(352)-796-6236

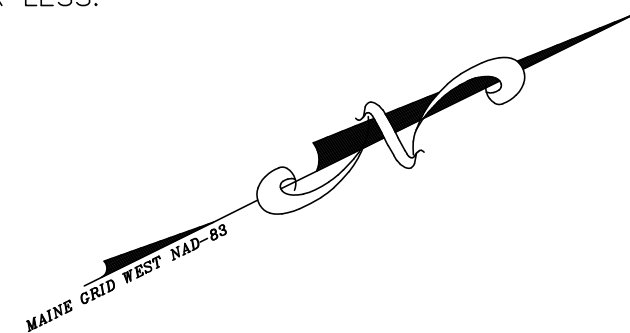
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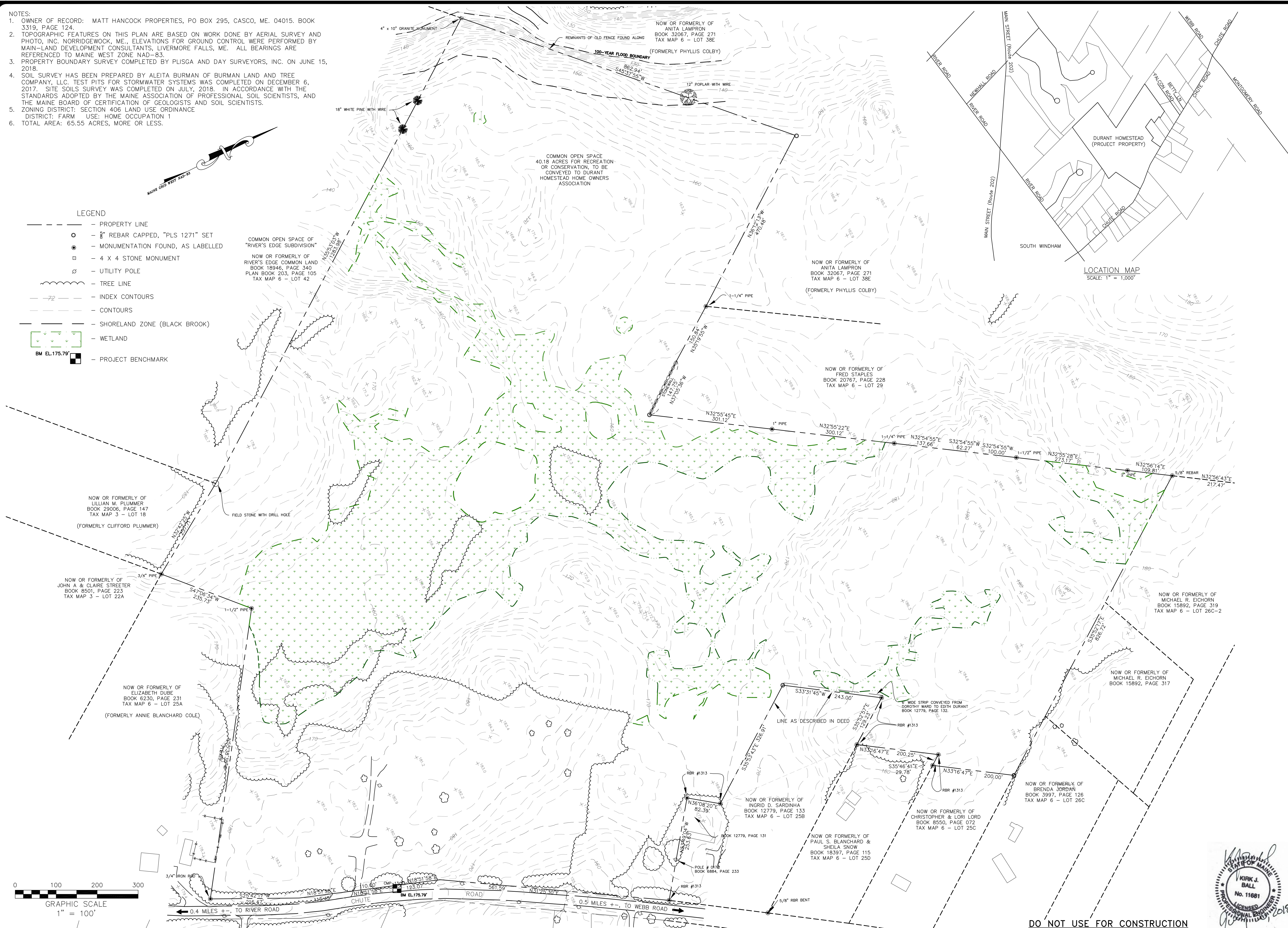
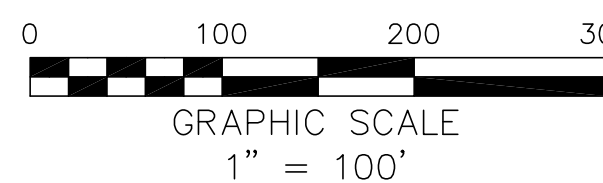




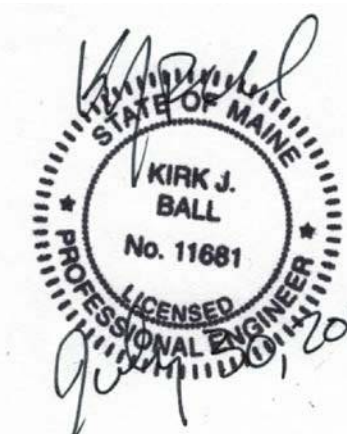
1. OWNER OF RECORD: MATT HANCOCK PROPERTIES, PO BOX 295, CASCO, ME. 04015. BOOK 3319, PAGE 124.
2. TOPOGRAPHIC FEATURES ON THIS PLAN ARE BASED ON WORK DONE BY AERIAL SURVEY AND PHOTO, INC. NORRIDGEWICK, ME., ELEVATIONS FOR GROUND CONTROL WERE PERFORMED BY MAIN-LAND DEVELOPMENT CONSULTANTS, LIVERMORE FALLS, ME. ALL BEARINGS ARE COMMENCED FROM THE TRUE MERIDIAN WEST ZONE 2018-83.
3. PROPERTY BOUNDARY SURVEY COMPLETED BY PLUSGA AND DAY SURVEYORS, INC. ON JUNE 15, 2018.
4. SOIL SURVEY HAS BEEN PREPARED BY ALEITA BURMAN OF BURMAN LAND AND TREE COMPANY, LLC. TEST PITS FOR STORMWATER SYSTEMS WAS COMPLETED ON DECEMBER 6, 2017. SITE SLOSH SURVEY WAS COMPLETED ON JULY, 2018. IN ACCORDANCE WITH THE STANDARDS ADOPTED BY THE MAINE ASSOCIATION OF PROFESSIONAL SOIL SCIENTISTS, AND THE MAINE BOARD OF CERTIFICATION OF GEODETIC SURVEYORS AND SOIL SCIENTISTS.
5. ZONING DISTRICT: SECTION 40E AND USE ORDINANCE DISTRICT: FARM USE: HOME OCCUPATION 1
6. TOTAL AREA: 65.55 ACRES, MORE OR LESS.



- PROPERTY LINE
- 8" REBAR CAPPED, "PLS 1271" SET
- MONUMENTATION FOUND, AS LABELLED
- 4 X 4 STONE MONUMENT
- UTILITY POLE
- TREE LINE
- INDEX CONTOURS
- CONTOURS
- SHORELAND ZONE (BLACK BROOK)
- WETLAND
- PROJECT BENCHMARK  
BM EL.175.79'



DO NOT USE FOR CONSTRUCTION  
FOR REGULATORY REVIEW ONLY



Existing Conditions Site Plan  
and Location Map  
Durant Homestead  
Chute Road, Windham, Maine  
*Matt Hancock Properties*  
*PO Box 295*  
*Casco, Maine 04015*

Job Number:  
79800

Drawing No:  
C-1

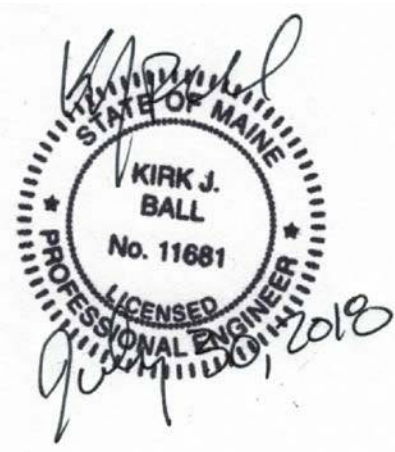
Sheet 2 of 16

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147 Main St. 24466 Powell Rd.  
Newport, ME 04953 Brooksville, FL 34602  
(207)-368-5700 (352)-796-6236

Drawn By: BPG  
Desg By: \_\_\_\_\_  
Chkd By: KJB  
Aprvd By: KJB  
Date: 7-30-18





No.	Revision Description	Drawn	Chk'd	Date

Drwn By: BPG  
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Proposed Subdivision Plan  
and Location Map  
Durant Homestead  
Crute Road, Wincham, Maine  
*Matt Hancock Properties*  
*PO Box 295*  
*Casco, Maine 04015*

Job Number:  
79800

Drawing No:  
C-2

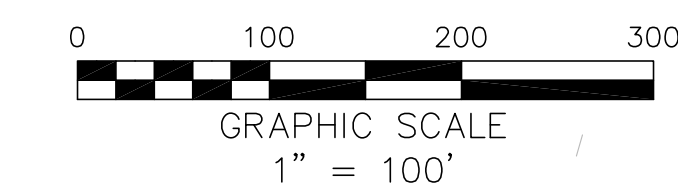
Sheet 3 of 16



- PROPERTY LINE  
 - CONTOURS  
 - WETLAND  
 - LIMIT OF SOIL SURVEY DELINEATION  
 - SOIL BOUNDARY  
 - SOIL LABEL (SEE SOILS REPORT 07-13-18)  
 - TREE LINE  
 - MAINLAND TEST PITS DATED, 06/2006  
 - SOIL SOLUTIONS TEST PITS DATED, 08/2017  
 - BURMAN STORMWATER TEST PITS DATED, 12/2017  
 - BURMAN SOIL SURVEY TEST PITS DATED, 07/2018  
 - STORMWATER SUBCATCHMENT BOUNDARY  
 - STORMWATER FLOW PATH SEGMENT  
 - SUB CATCHMENT  
 - WET POND  
 - POINT OF ANALYSIS  
 SCF - SHALLOW CONCENTRATED FLOW  
 SF - SHEET FLOW  
 CF - CHANNEL FLOW  
 BM EL.175.79' - PROJECT BENCHMARK

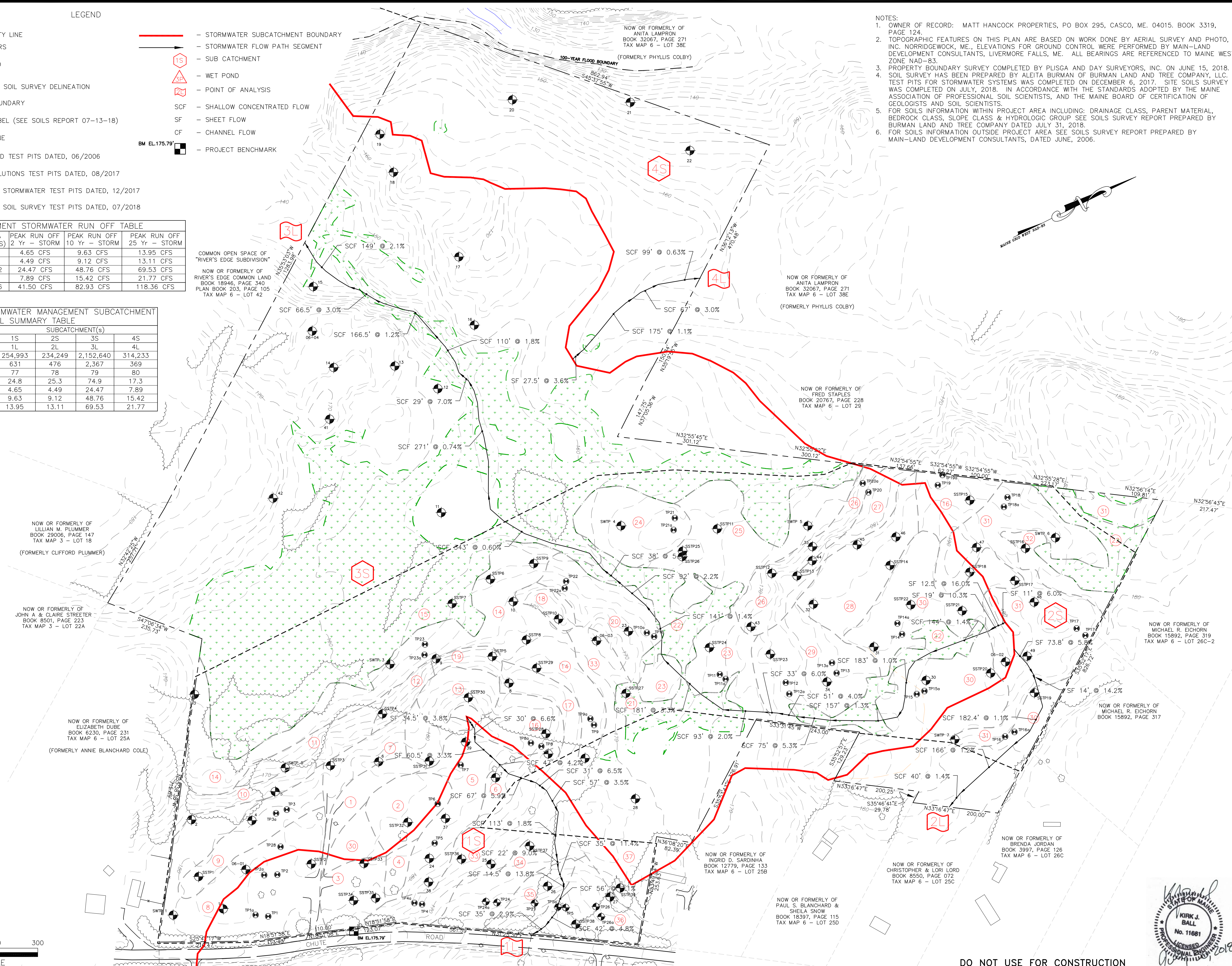
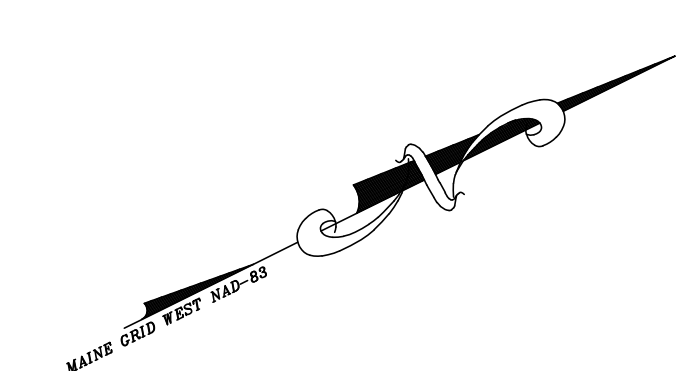
PRE-DEVELOPMENT STORMWATER RUN OFF TABLE						
POINT OF ANALYSIS	SUB CATCHMENT(s)	AREA (ACRES)	PEAK RUN OFF 2 Yr - STORM	PEAK RUN OFF 10 Yr - STORM	PEAK RUN OFF 25 Yr - STORM	
1L	1S	5.85	4.65 CFS	9.63 CFS	13.95 CFS	
2L	2S	5.38	4.49 CFS	9.12 CFS	13.11 CFS	
3L	3S	49.42	24.47 CFS	48.76 CFS	69.53 CFS	
4L	4S	7.21	7.89 CFS	15.42 CFS	21.77 CFS	
TOTAL		67.86	41.50 CFS	82.93 CFS	118.36 CFS	

	SUBCATCHMENT(s)			
	1S	2S	3S	4S
POINT OF ANALYSIS	1L	2L	3L	4L
RUN OFF AREA (sf)	254,993	234,249	2,152,640	314,233
FLOW LENGTH (ft)	631	476	2,367	369
CN VALUE	77	78	79	80
Tc (MIN)	24.8	25.3	74.9	17.3
PEAK RUN OFF 2-Yr (cfs)	4.65	4.49	24.47	7.89
PEAK RUN OFF 10-Yr (cfs)	9.63	9.12	48.76	15.42
PEAK RUN OFF 25-Yr (cfs)	13.95	13.11	69.53	21.77



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Pre-Development Stormwater  
Management Plan  
Durant Homestead  
Chute Road, Windham, Maine  
*Matt Hancock Properties*  
PO Box 295  
Casco, Maine 04015

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 Chkd By: KJB  
 Aprvd By: KJB  
 Date: 7-30-18

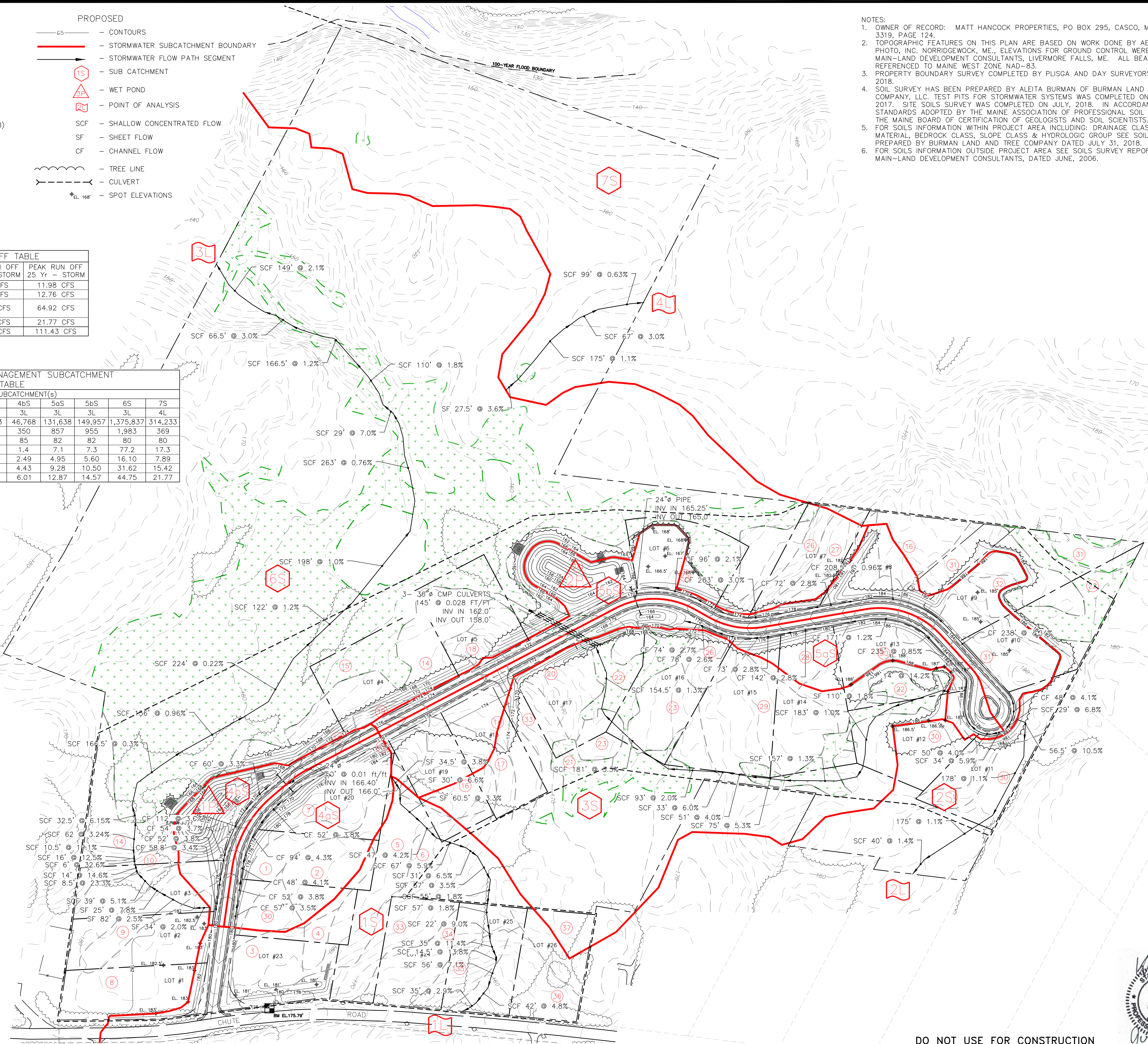
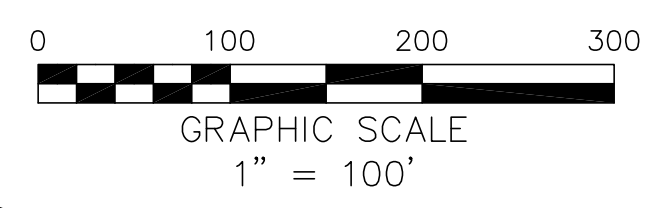
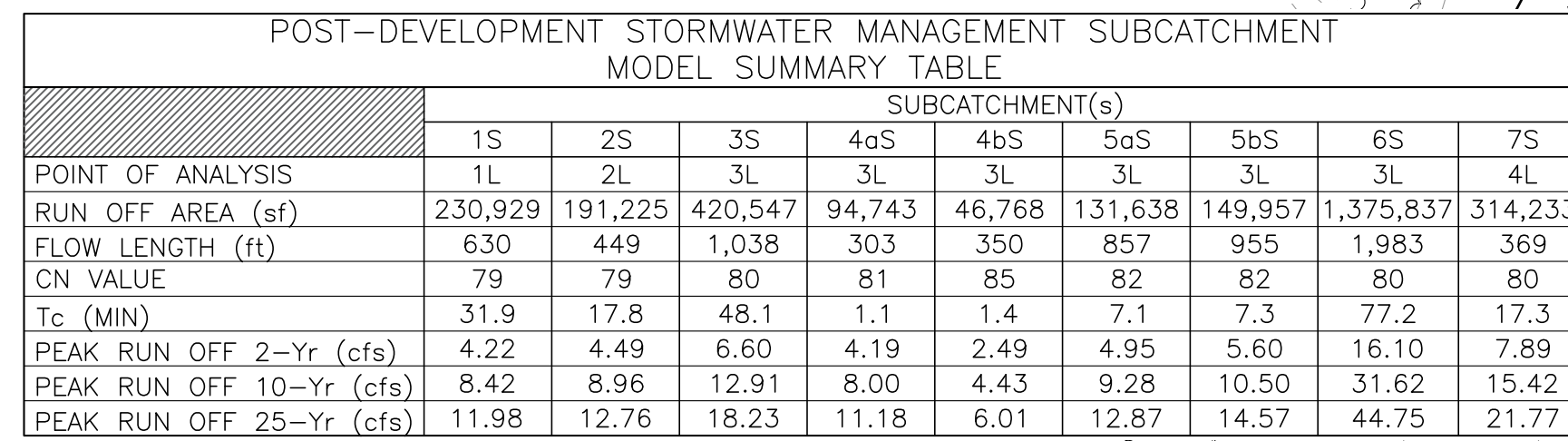
No.	Revision Description	Drawn	Chkd	Date

Job Number:  
79800

Drawing No:  
C-3

Sheet 4 of 16





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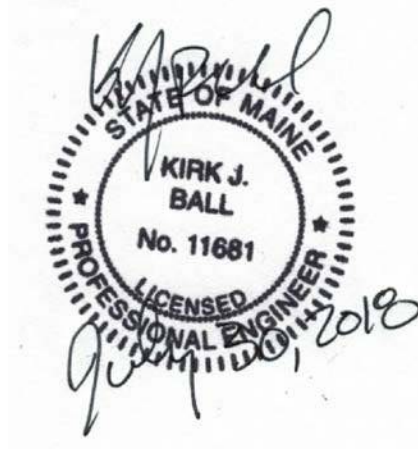
Post Development Stormwater  
Management Plan  
Durant Homestead  
Chute Road, Windham, Maine  
*Matt Hancock Properties  
PO Box 295  
Casco, Maine 04015*

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79800

*Drawing No:*  
C-4

*Sheet 5 of 16*

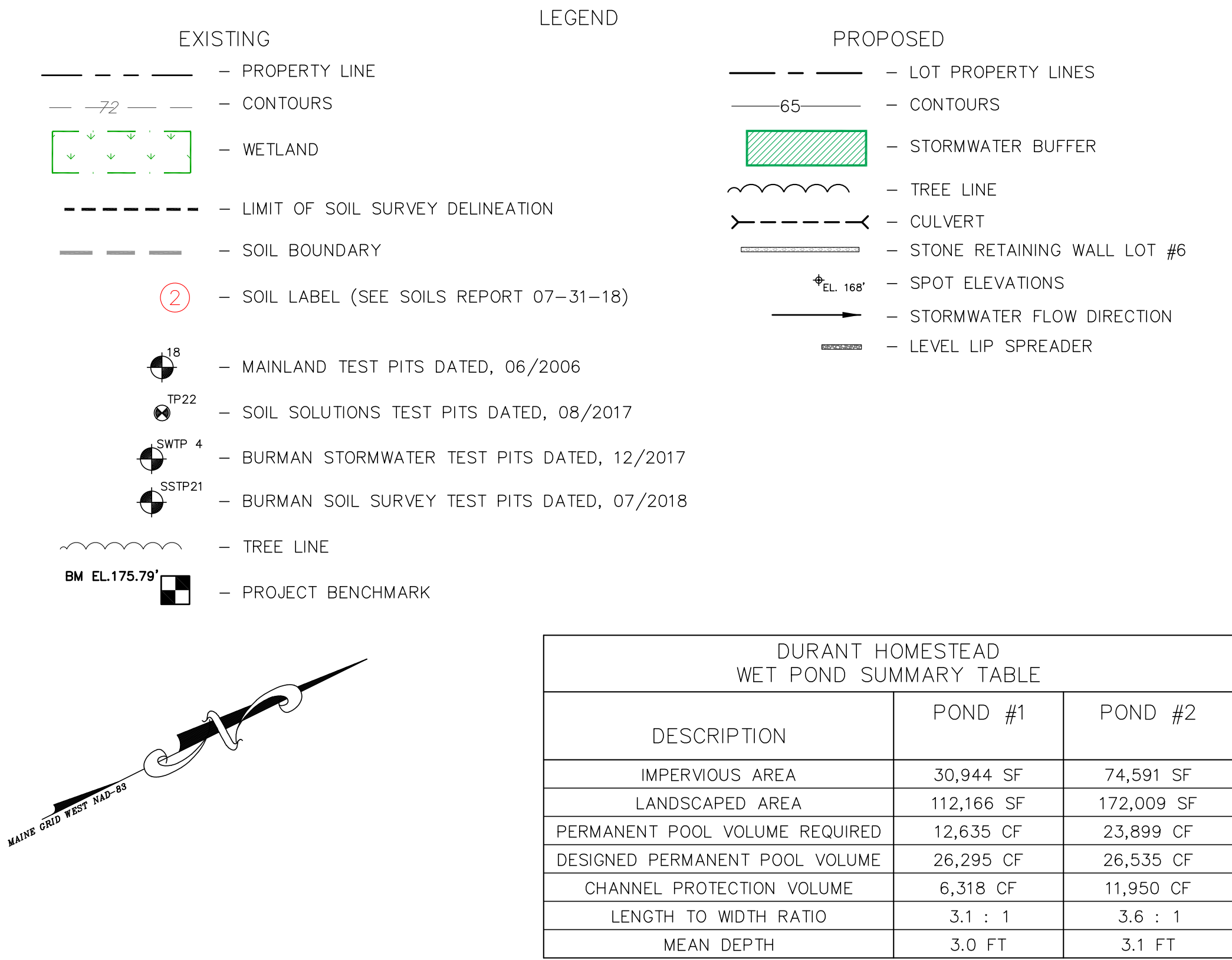
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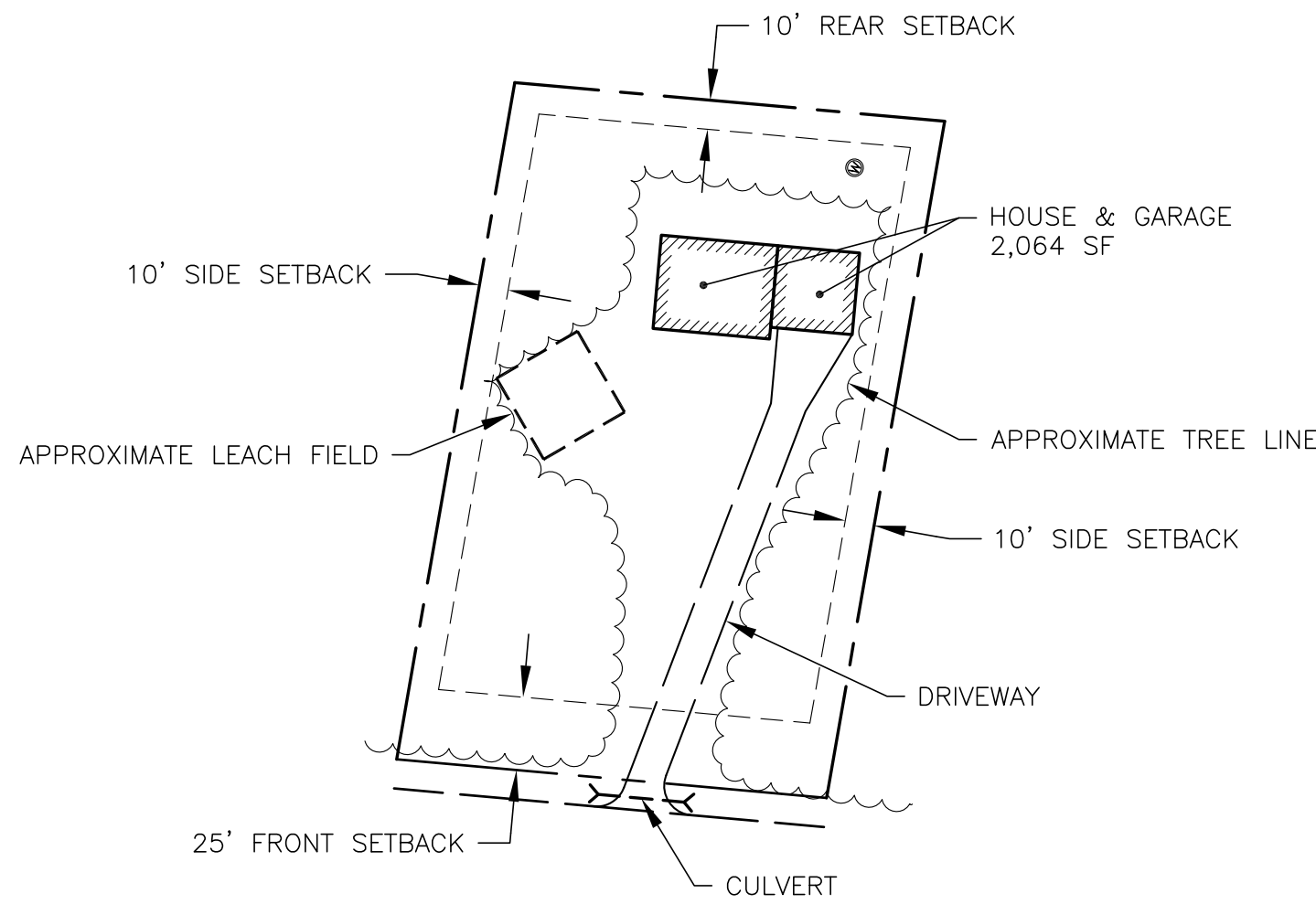


DURANT HOMESTEAD PROJECT TREATMENT LEVEL SUMMARY					
DESCRIPTION	IMPERVIOUS AREA (SF)	DEVELOPED AREA (SF)	TREATMENT BMP	IMPERVIOUS AREA TREATED (SF)	DEVELOPED AREA TREATED (SF)
LOT #1	3,040	25,956	BUFFER A MEADOW	3,040	21,063
LOT #2	3,040	25,787	BUFFER B MEADOW	3,040	23,534
LOT #3	3,040	13,040	BUFFER C FORESTED	1,512	9,512
			WET POND #1	1,528	3,528
LOT #4	3,040	13,040	N/A	0	0
LOT #5	3,040	13,040	N/A	0	0
LOT #6	3,040	22,194	WET POND #2	3,040	14,168
LOT #7	3,040	13,040	BUFFER D FORESTED	3,040	13,040
			BUFFER E FORESTED	0	6,294
LOT #8	3,040	23,716	WET POND #2	3,040	17,422
			WET POND #2	3,040	19,443
LOT #10	3,040	22,096	WET POND #2	3,040	17,131
LOT #11	4,015	14,015	BUFFER F FORESTED	4,015	14,015
LOT #12	4,015	27,457	BUFFER G FORESTED	4,015	22,227
			WET POND #2	0	2,680
LOT #13	4,015	20,794	WET POND #2	4,015	11,372
			BUFFER H FORESTED	2,065	4,065
LOT #14	4,015	14,015	WET POND #2	1,950	9,950
			BUFFER I FORESTED	4,015	14,015
LOT #16	4,015	14,015	BUFFER J FORESTED	2,065	13,822
LOT #17	3,040	13,040	N/A	0	0
LOT #18	4,015	30,438	BUFFER K FORESTED	2,007	18,692
			WET POND #2	2,008	11,746
LOT #19	4,015	28,775	BUFFER L MEADOW	1,065	12,875
			WET POND #2	2,950	15,901
LOT #20	4,015	14,015	WET POND #1	4,015	14,015
LOT #21	4,015	14,015	WET POND #1	4,015	14,015
LOT #22	4,015	14,015	BUFFER M MEADOW	0	2,000
			WET POND #1	4,015	12,015
LOT #23	4,015	29,327	BERM, SPREADER & BUFFER	4,015	23,058
LOT #24	4,015	14,015	BUFFER N MEADOW	4,015	14,015
LOT #25	4,015	14,015	BUFFER O MEADOW	4,015	14,015
LOT #26	4,015	14,015	BUFFER P MEADOW	4,015	14,015
ROAD STA. 0+00 TO 2+01	6,446	14,893	N/A	0	0
ROAD STA. 2+01 TO 7+80	17,371	71,229	WET POND #1	17,371	58,454
ROAD STA. 7+80 TO END	51,508	177,120	WET POND #2	51,508	136,695
POND BACK SLOPES	0	23,691	N/A	0	0
TOTALS	168,990	777,054	TOTALS	151,474	598,792
TREATMENT LEVEL				90%	77%
TREATMENT LEVEL REQUIRED				90%	75%

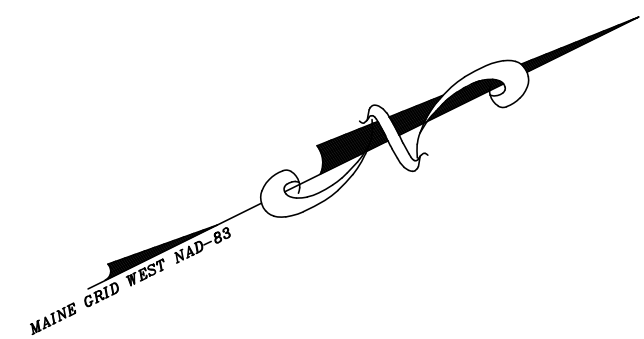
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- NOTES:
- IMPERVIOUS AREA = 3,040 SF  
LOTS 1-10 & 17
  - IMPERVIOUS AREA = 4,015 SF  
LOTS 11-16 & 18-26
  - LANDSCAPED AREA = 10,000 SF  
LOTS 3-5, 7, 11, 14-17, 20-22, & 24-26
  - RE-GRADED FOR STORMWATER TREATMENT SEE SHEET C-6  
LOTS 1, 2, 6, 8-10, 12, 13, 18, 19 & 23
  - DRIVEWAY CULVERTS 12"Ø ADS N-12 UNLESS OTHERWISE NOTED.







EXISTING		LEGEND		PROPOSED	
---	PROPERTY LINE	---	LOT PROPERTY LINES	---	LOT PROPERTY LINES
-72-	INDEX CONTOURS	---	LOT SETBACKS	---	LOT SETBACKS
-	CONTOURS	---	CONTOURS	---	CONTOURS
[Green Dashed Box]	WETLAND	[Hatched Box]	WETLAND IMPACT	---	WETLAND IMPACT
[X]	CULVERT	---	TREE LINE	---	TREE LINE
---	TREE LINE	---	CULVERT	---	CULVERT
BM EL.175.79'	PROJECT BENCHMARK	---	STONE RETAINING WALL LOT #6	---	STONE RETAINING WALL LOT #6
		EL. 168'	SPOT ELEVATIONS	---	SPOT ELEVATIONS
		---	DOUBLE SILT FENCE	---	DOUBLE SILT FENCE
		---	SILT FENCE	---	SILT FENCE
		---	HAY BALE CHECK DAM	---	HAY BALE CHECK DAM

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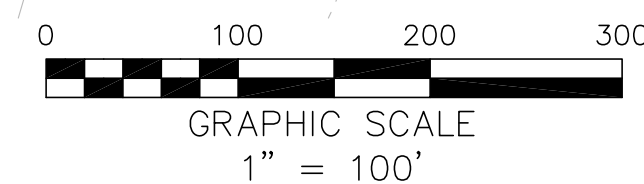
Subdivision Grading  
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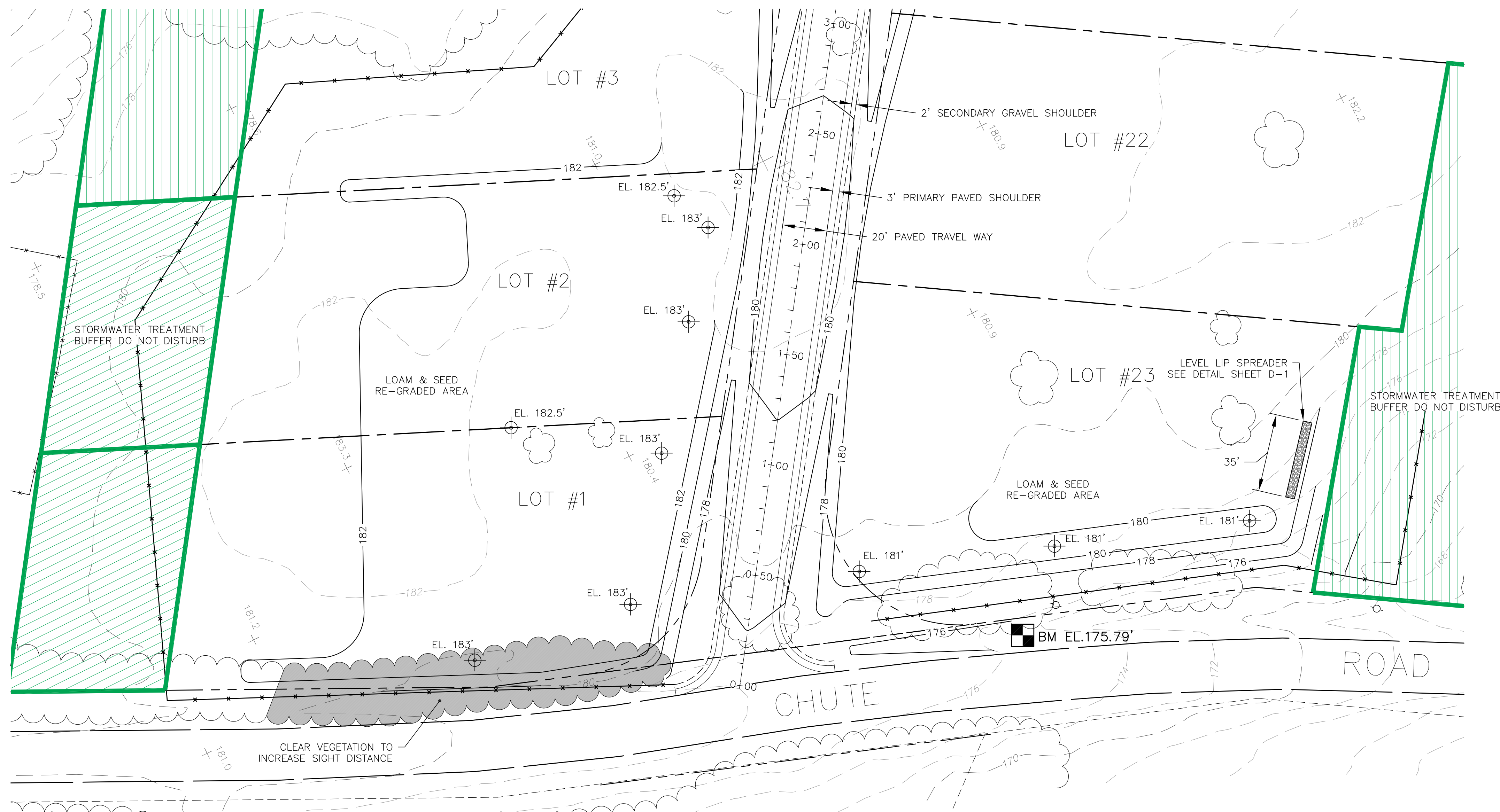
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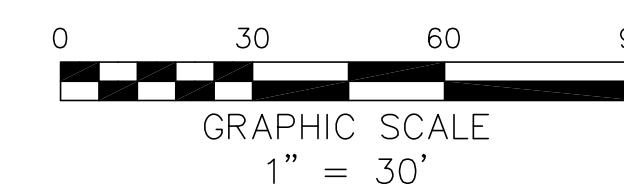
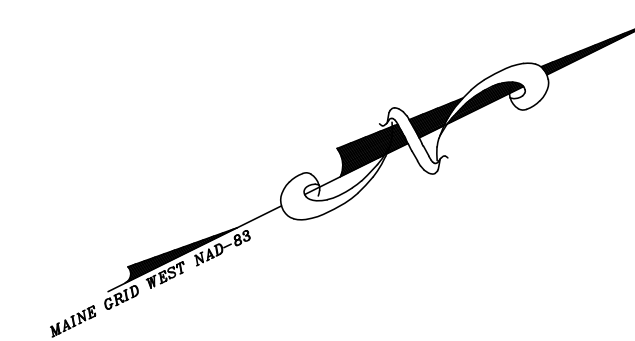
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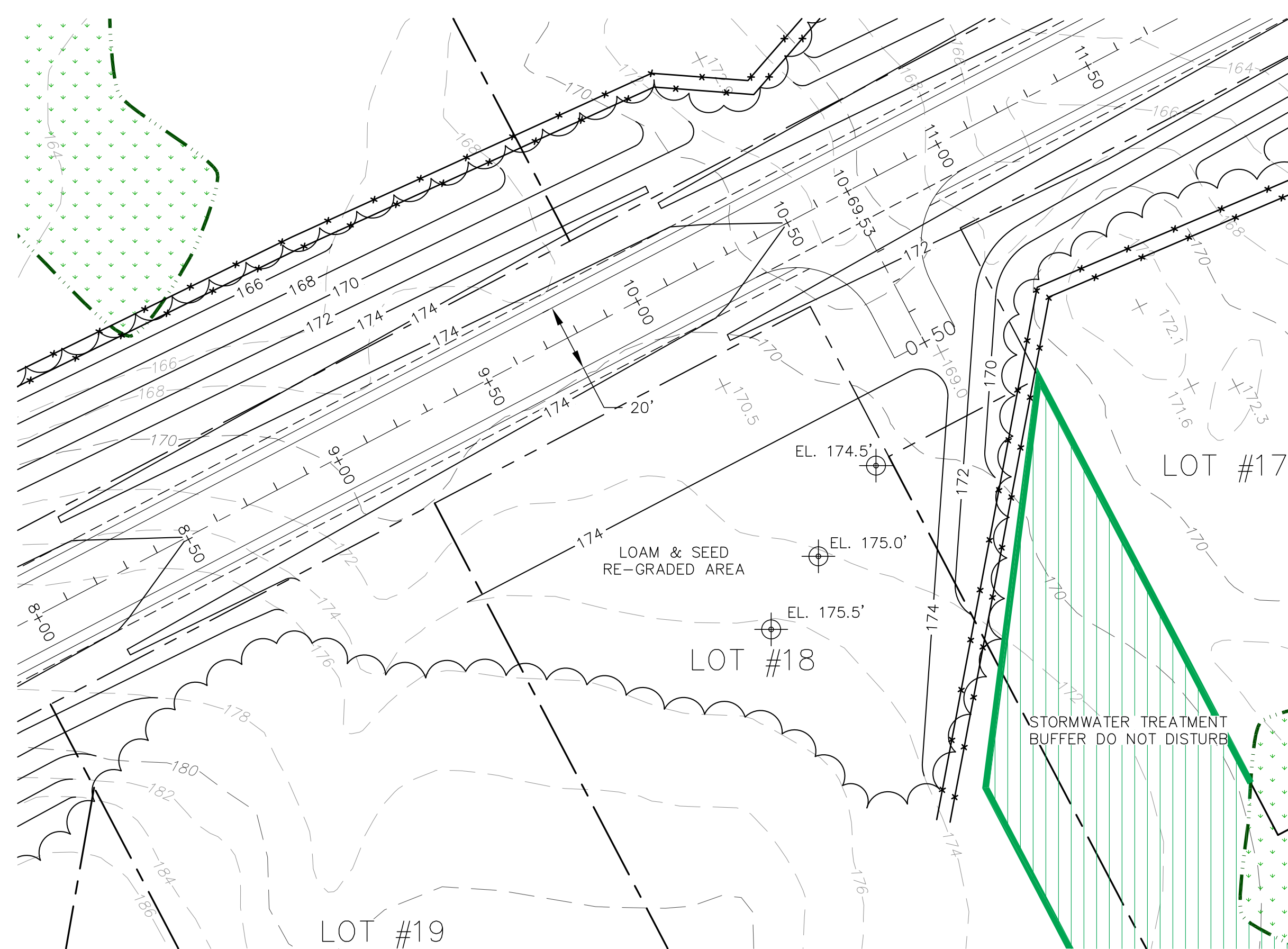




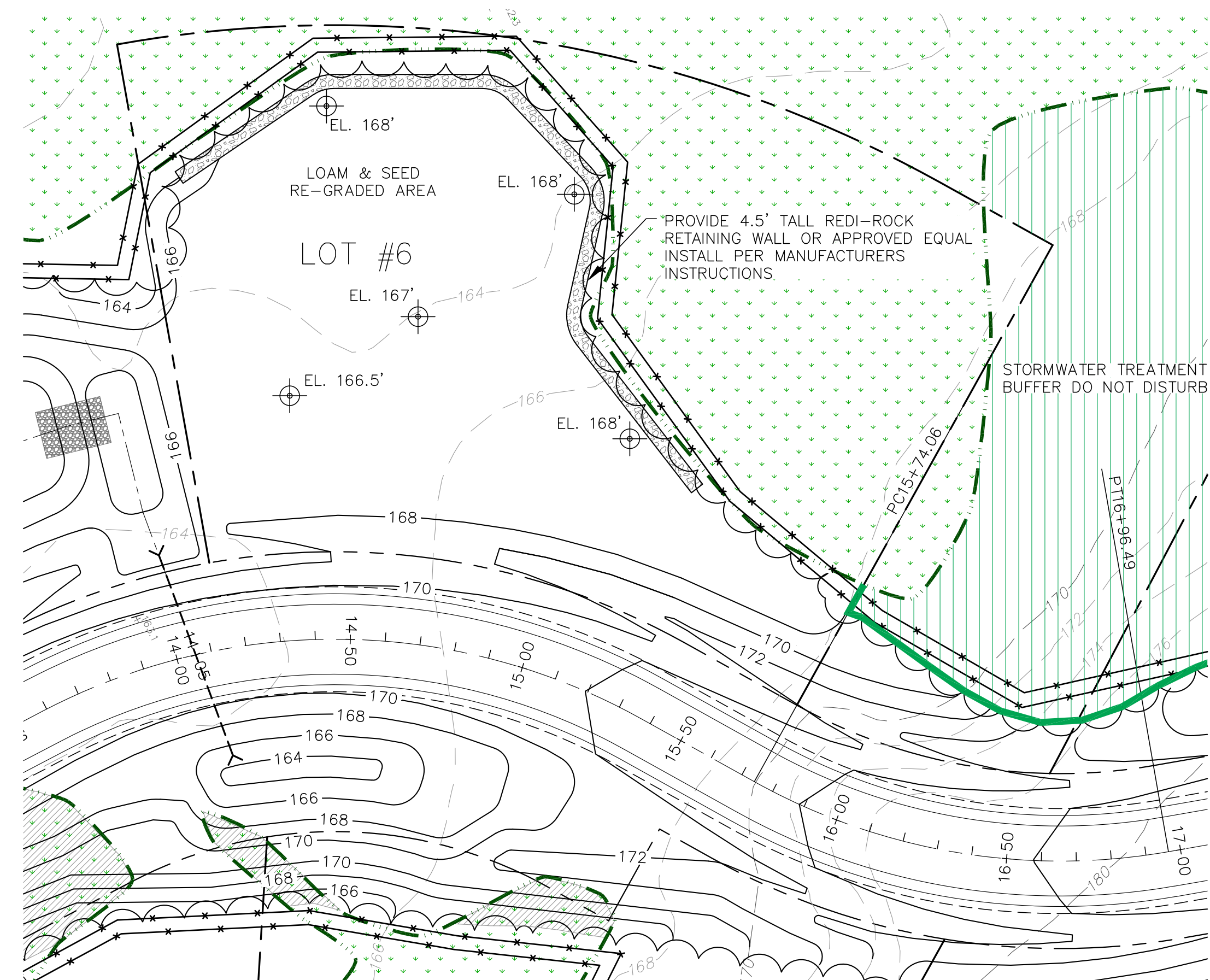
- EXISTING
- PROPERTY LINE
  - INDEX CONTOURS
  - CONTOURS
  - WETLAND
  - TREE LINE
- LEGEND
- PROPOSED
- 65' CONTOURS
  - WETLAND IMPACT
  - STORMWATER BUFFER
  - RIP-RAP
  - TREE LINE
  - CULVERT
  - CENTER LINE
  - EDGE OF PAVEMENT
  - EDGE OF SECONDARY ROAD SHOULDER
  - SPOT ELEVATIONS
  - DOUBLE SILT FENCE
  - SILT FENCE



ENTRANCE PLAN VIEW  
SCALE: 1" = 30'



STATION 10+00 PLAN VIEW  
SCALE: 1" = 30'



STATION 14+50 PLAN VIEW  
SCALE: 1" = 30'

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Proposed Lot Grading  
Lots 1-3, 6, 18 & 23

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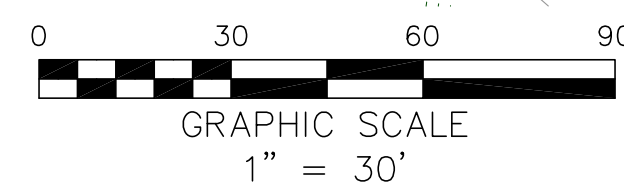
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Drawn By: BFG  
Desg By: BFG / KJB  
Chkd By: KJB  
Apprd By: KJB  
Date: 7-30-18

No.	Revision Description	Drawn	Chkd	Date





CUL-DE-SAC PLAN VIEW  
SCALE: 1" = 30'

DO NOT USE FOR CONSTRUCTION  
FOR REGULATORY REVIEW ONLY



Proposed Lot Grading  
Lots 8-13  
Durant Homestead  
Chute Road, Windham, Maine  
Matt Hancock Properties  
PO Box 295  
Casco, Maine 04015

Job Number:  
79800

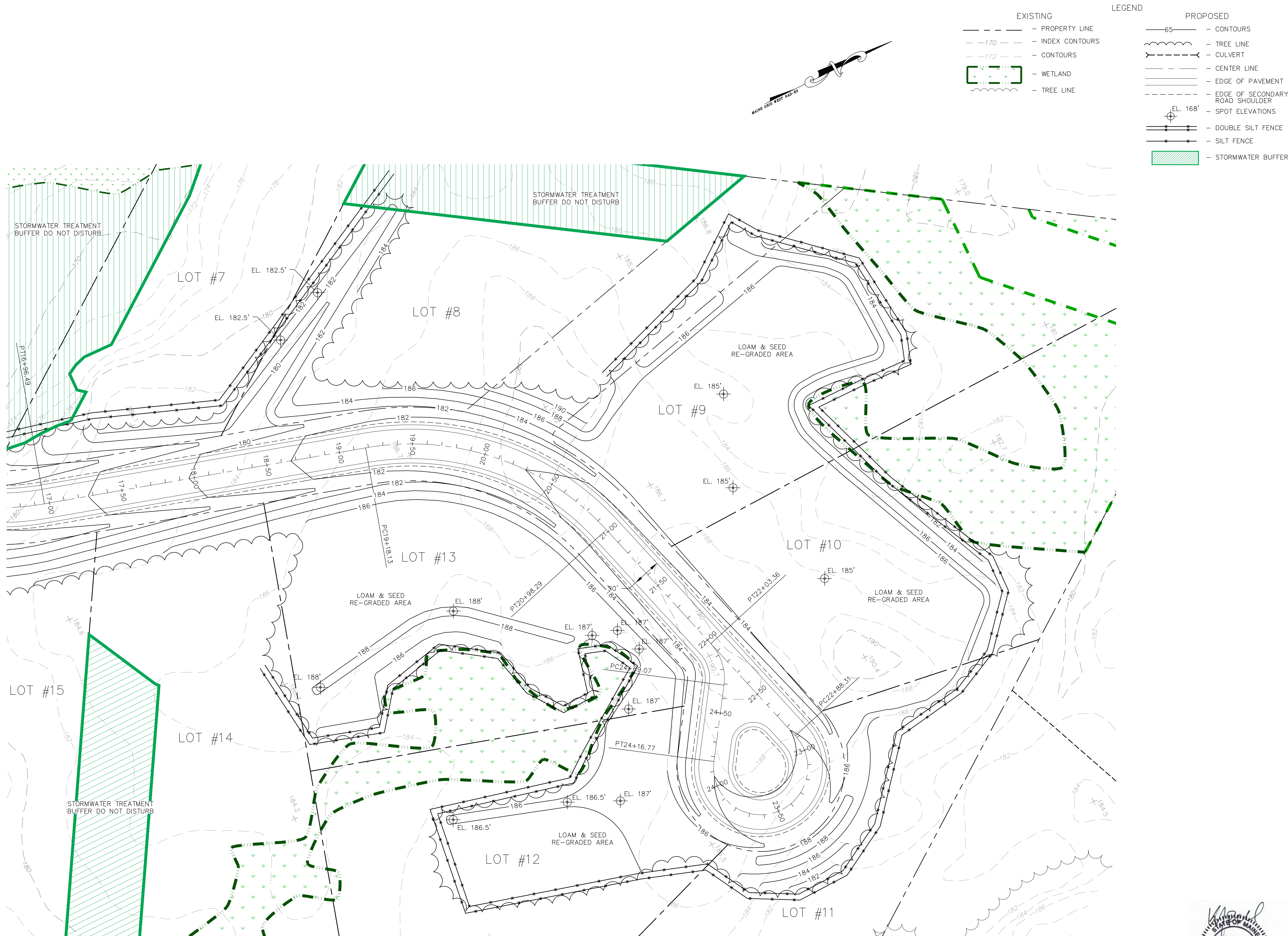
Drawing No:  
C-8

Sheet 9 of 16

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Engineering, Environmental & Geologic Consultants  
www.AcheronEngineering.com  
147 Main St.  
Newport, ME. 04953  
(207)-368-5700

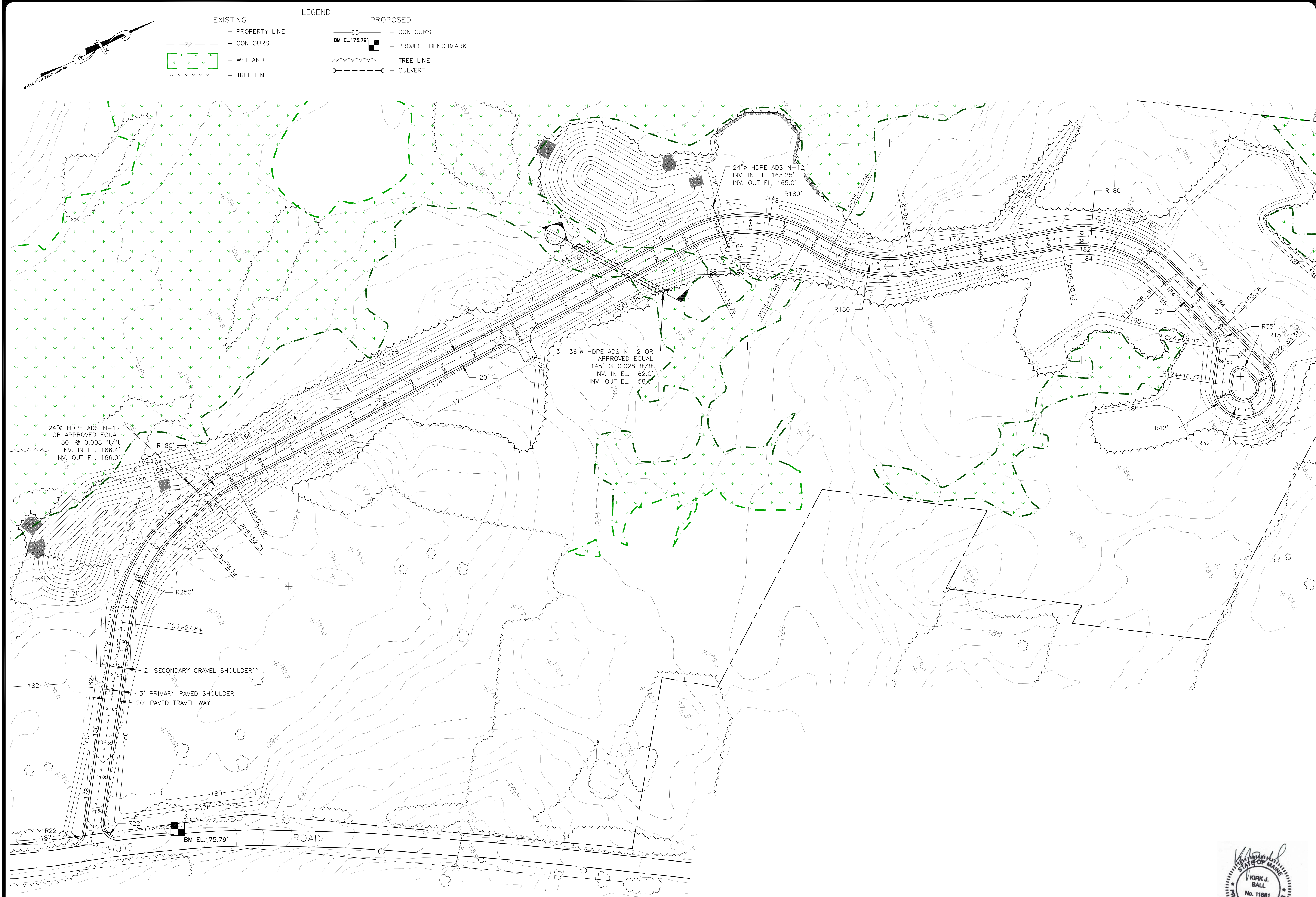
Drawn By: BFG  
Desg By: BFG / KJB  
Chkd By: KJB  
Apprv By: KJB  
Date: 7-30-18

No.	Revision Description	Drawn	Chkd	Date



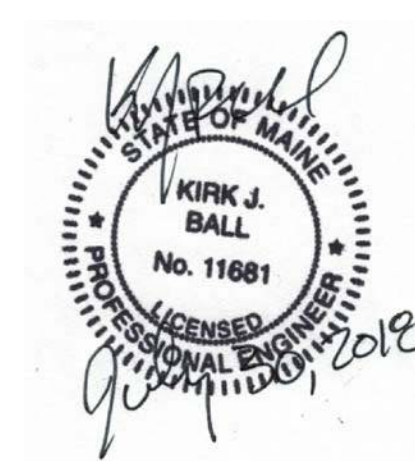
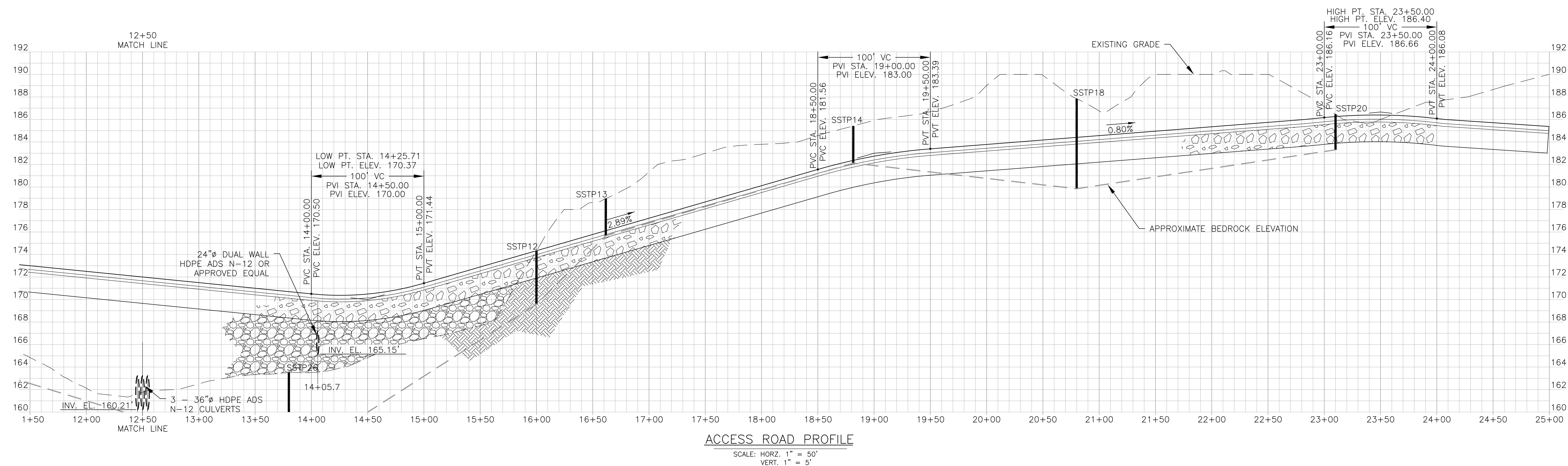
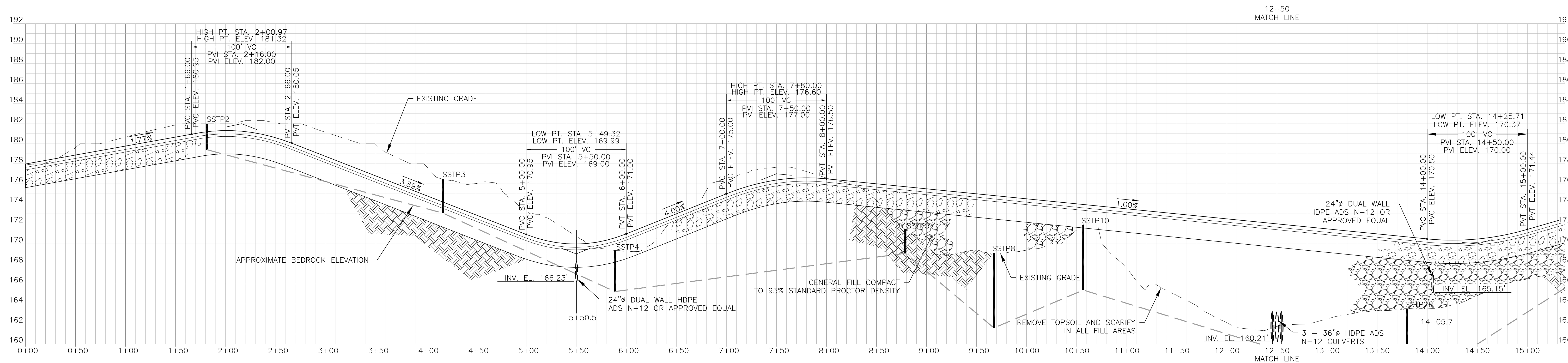
- EXISTING
- PROPERTY LINE
  - INDEX CONTOURS
  - CONTOURS
  - WETLAND
  - TREE LINE
- LEGEND
- PROPOSED
- 65' CONTOURS
  - TREE LINE
  - CULVERT
  - CENTER LINE
  - EDGE OF PAVEMENT
  - EDGE OF SECONDARY ROAD SHOULDER
  - SPOT ELEVATIONS
  - DOUBLE SILT FENCE
  - SILT FENCE
  - STORMWATER BUFFER





Subdivision Access Road		Site Plan		Durant Homestead Chute Road, Windham, Maine Matt Hancock Properties PO Box 295 Casco, Maine 04015	
Job Number: 79800		Drawing No: C-9		Sheet 10 of 16	
Acheron Engineering Services Engineering, Environmental & Geologic Consultants www.AcheronEngineering.com 147 Main St. Newport, ME. 04953 (207)-368-5700		Acheron International, Inc. 24466 Powell Rd. Brooksville, FL 34602 (352)-796-6236		Down By: BFG Desg By: BFG / KJB Chkd By: KJB Aprvd By: KJB Date: 7-30-18	
No.		Revision Description		Date	





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No.	Revision Description	Drawn	Chkd	Date

Drawn By: BFG	Desg By: BFG / KJB
Chkd By: KJB	Aprvd By: KJB
Date: 7-30-18	

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Subdivision Access Road  
 Profile and Typical Section

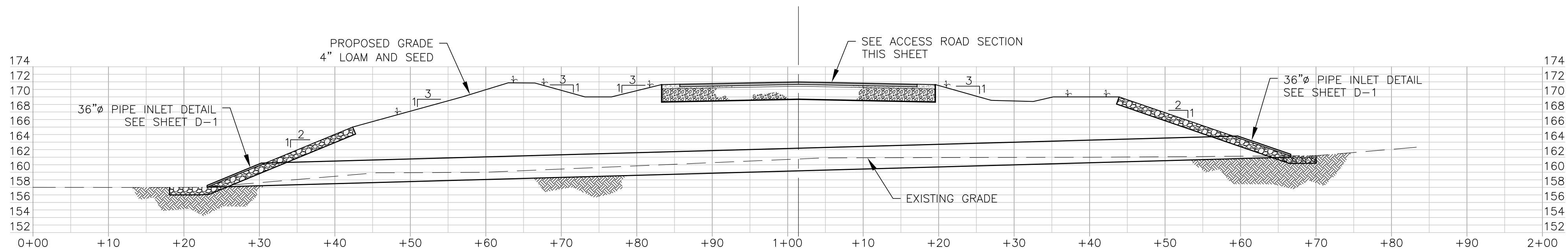
Durant Homestead  
 Chute Road, Windham, Maine  
 Matt Hancock Properties  
 PO Box 295  
 Casco, Maine 04015

Job Number:  
 79800

Drawing No:  
 C-10

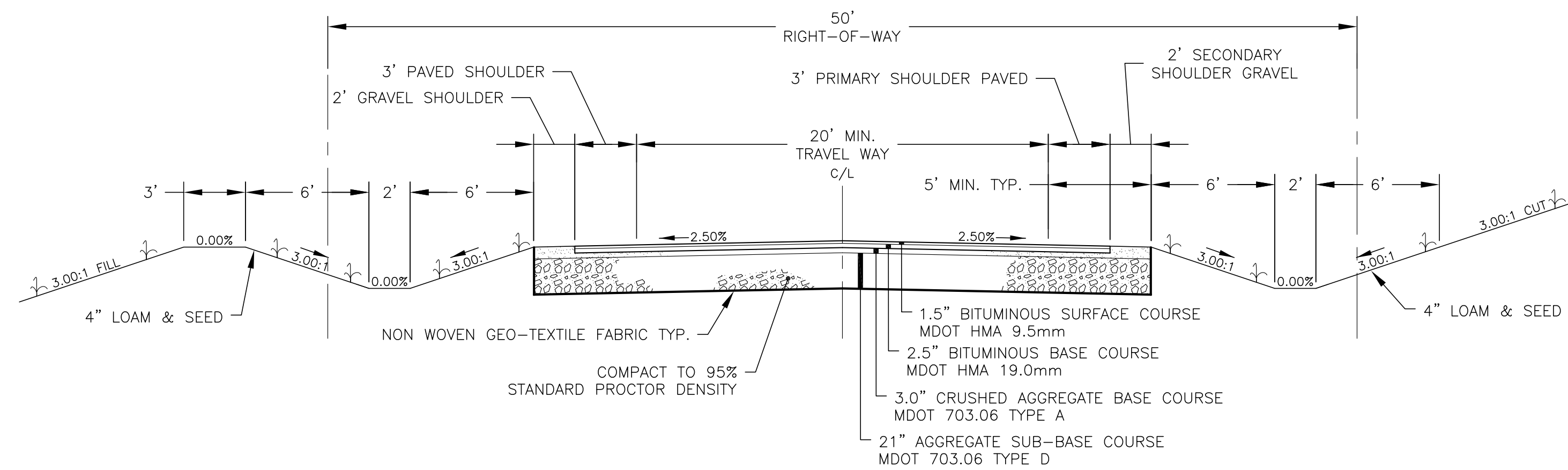
Sheet 11 of 16





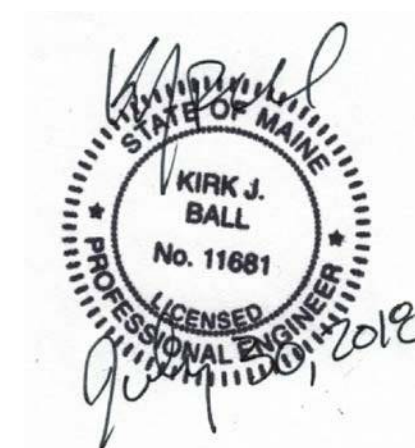
ROAD CROSSING SECTION 1

SCALE: HORZ. 1" = 10'  
VERT. 1" = 10'



ACCESS ROAD CROSS SECTION

SCALE: 1" = 5'



DO NOT USE FOR CONSTRUCTION  
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Subdivision Access Road  
Typical Section and Culvert Crossing

Durant Homestead  
Chute Road, Windham, Maine  
Matt Hancock Properties  
PO Box 295  
Casco, Maine 04015

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Engineering, Environmental & Geologic Consultants

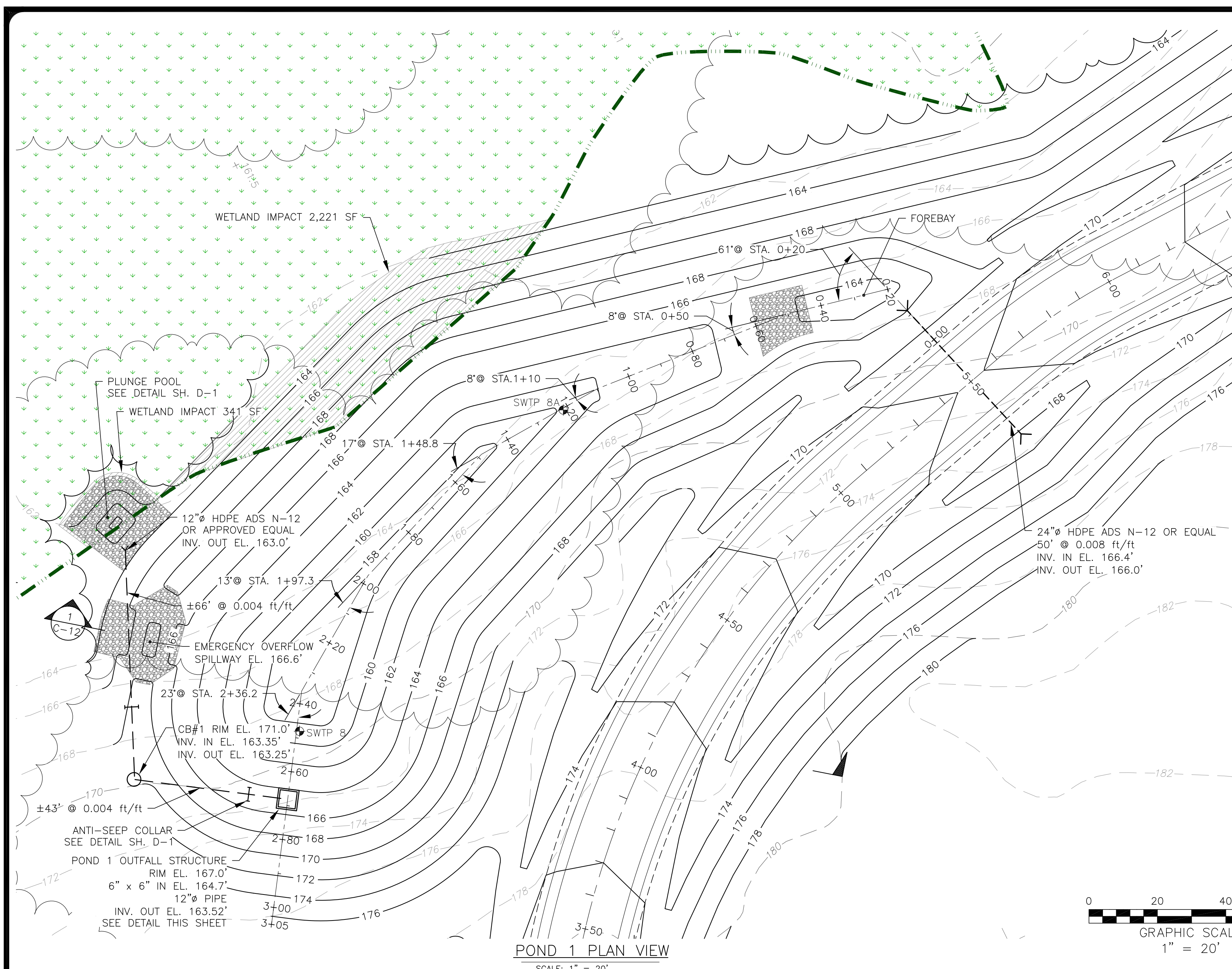
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Newport, ME. 04953  
(207)-368-5700

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Brooksville, FL 34602  
(352)-796-6236  
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Drawn By: BFG  
Desg By: BFG / KJB  
Chkd By: KJB  
Aprvd By: KJB  
Date: 7-30-18

No.	Revision Description	Drawn	Chkd	Date



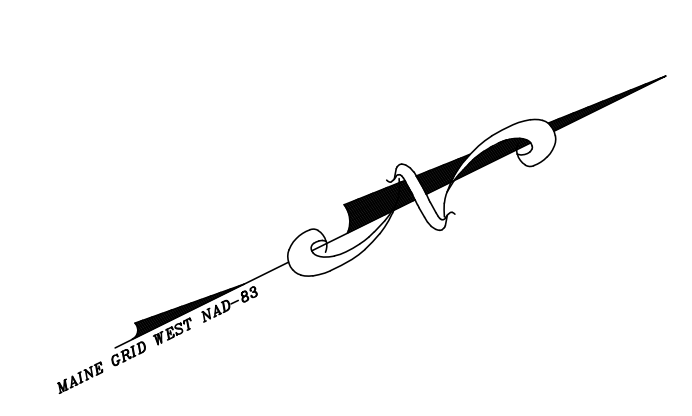


**NOTES:**  
**WETPONDS:**

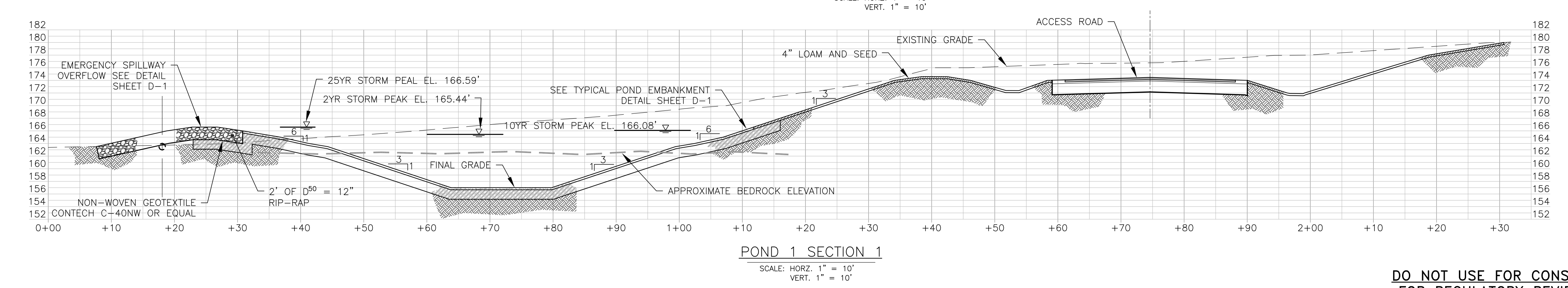
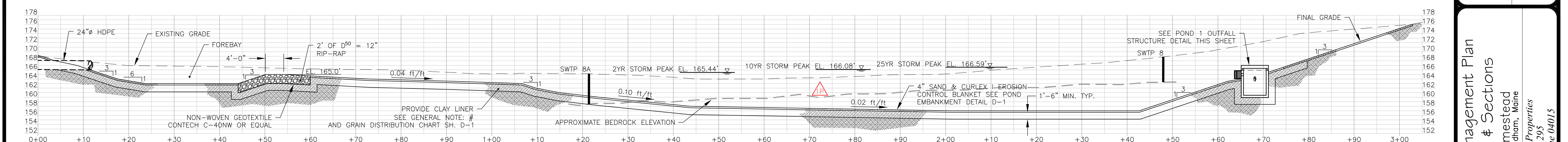
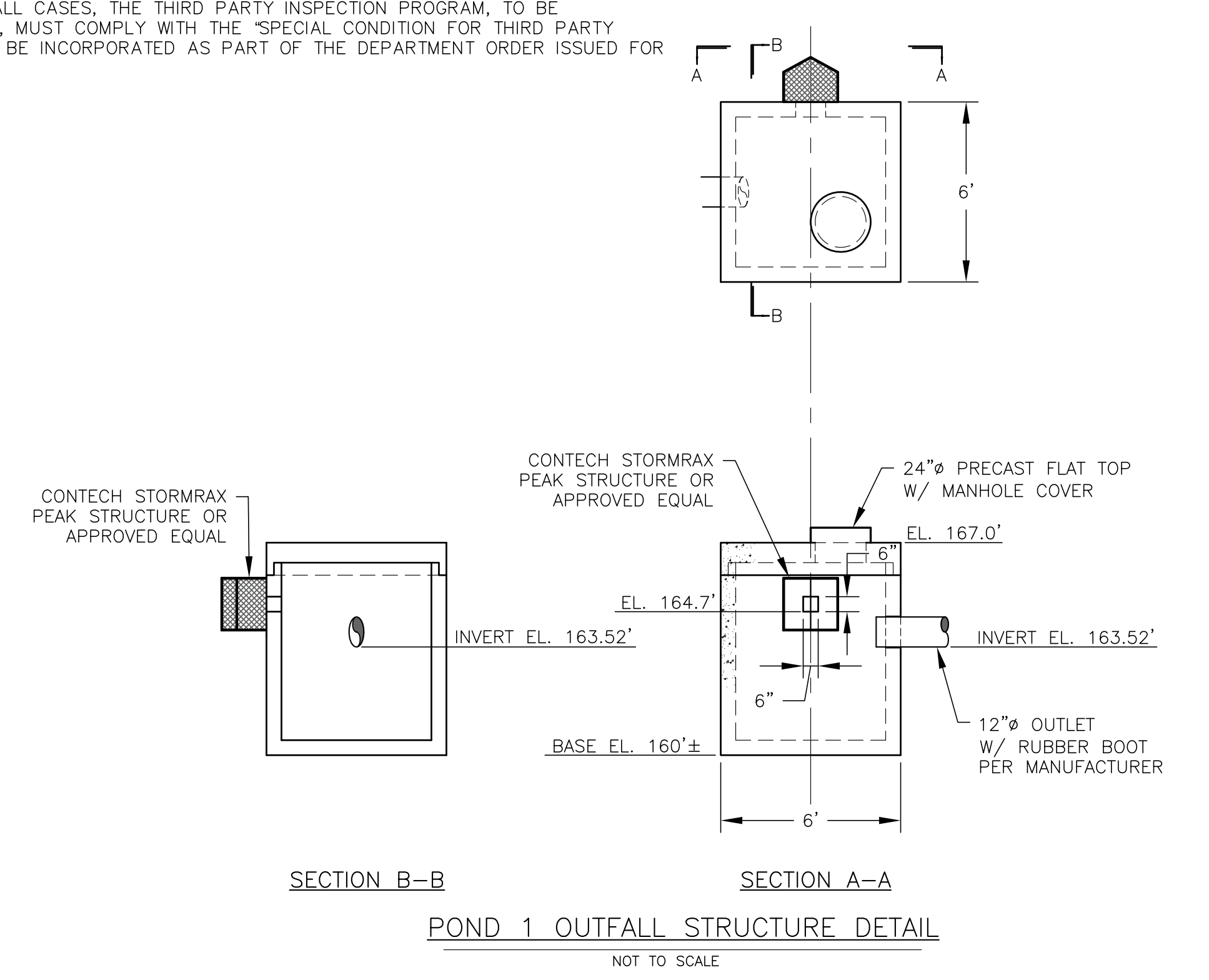
- A. INSPECTION BY A PROFESSIONAL ENGINEER WILL CONSIST OF WEEKLY VISITS TO THE SITE TO INSPECT THE INSTALLATION OF EACH POND'S EMBANKMENT CONSTRUCTION, STORMWATER INLET, UNDERDRAINED GRAVEL OUTLET, GRAVEL OUTLET FILTER MATERIAL MAKEUP AND PLACEMENT, OUTLET CONTROL STRUCTURE, CLAY LINER (IF APPLICABLE), AND EMERGENCY SPILLWAY CONSTRUCTION FROM INITIAL GROUND DISTURBANCE TO FINAL STABILIZATION OF THE POND.
- B. CLAY LINER MIN THICKNESS = 1.5'
- C. PLACE LINER IN 9" LOOSE LIFTS.
- D. COMPACT CLAY LINER TO 95% STANDARD PROCTOR DENSITY PER ASTM D-2434.
- E. MINIMUM LINER PERMEABILITY 1x10-6/ Cm/SEC PER ASTM D-2432.
- F. LINER PLASTICITY INDEX NOT LESS THAN 15% PER ASTM D-423/424.
- G. SEE SHEET D-1 FOR MINIMUM & MAXIMUM GRAIN SIZE DISTRIBUTION FOR CLAY LINER.
- CONTRACTOR TO PROVIDE ALL TESTING RESULTS TO OWNER & ENGINEER FOR APPROVAL.

**CONSTRUCTION OVERSIGHT:**

THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION MAY REQUIRE THIRD-PARTY INSPECTIONS OF THE DEVELOPMENT'S EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION AND IMMEDIATELY AFTER FINAL STABILIZATION. IN ALL CASES, THE THIRD PARTY INSPECTION PROGRAM, TO BE IMPLEMENTED BY THE APPLICANT, MUST COMPLY WITH THE "SPECIAL CONDITION FOR THIRD PARTY INSPECTION PROGRAM" THAT WILL BE INCORPORATED AS PART OF THE DEPARTMENT ORDER ISSUED FOR THE DEVELOPMENT.



- EXISTING**
- PROPERTY LINE
  - INDEX CONTOURS
  - CONTOURS
  - WETLAND
  - TREE LINE
- LEGEND**
- PROPOSED**
- CONTOURS
  - WETLAND IMPACT
  - RIP-RAP
  - TREE LINE
  - CULVERT
  - ANTI-SEEP COLLAR
  - CATCH BASIN
  - PIPE
  - CENTER LINE
  - EDGE OF PAVEMENT
  - EDGE OF SECONDARY ROAD SHOULDER
  - CLAY LINER
  - SAND
  - LOAM AND SEED



**DO NOT USE FOR CONSTRUCTION  
FOR REGULATORY REVIEW ONLY**



**Stormwater Management Plan**  
**Pond #1 Plan & Sections**  
Durant Homestead  
Chute Road, Windham, Maine  
Matt Hancock Properties  
PO Box 295  
Casco, Maine 04015

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Drawn By: BFG  
Desg By: BFG / KJB  
Chkd By: KJB  
Apprv By: KJB  
Date: 7-30-18

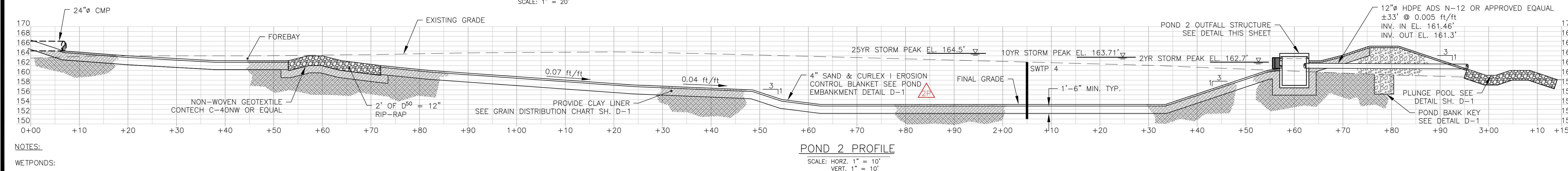
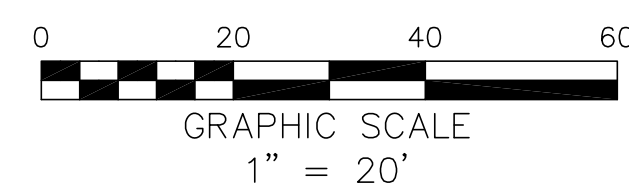
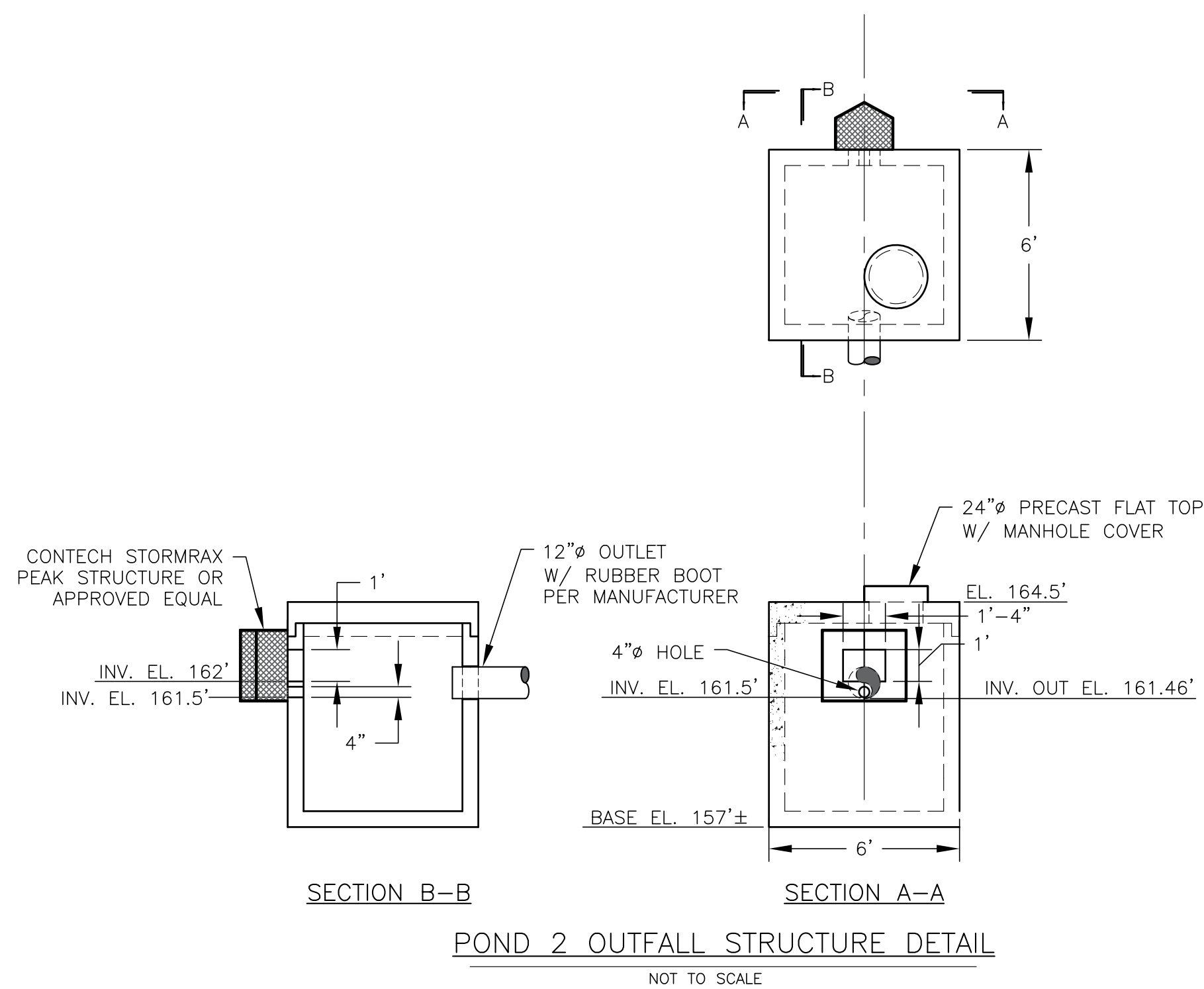
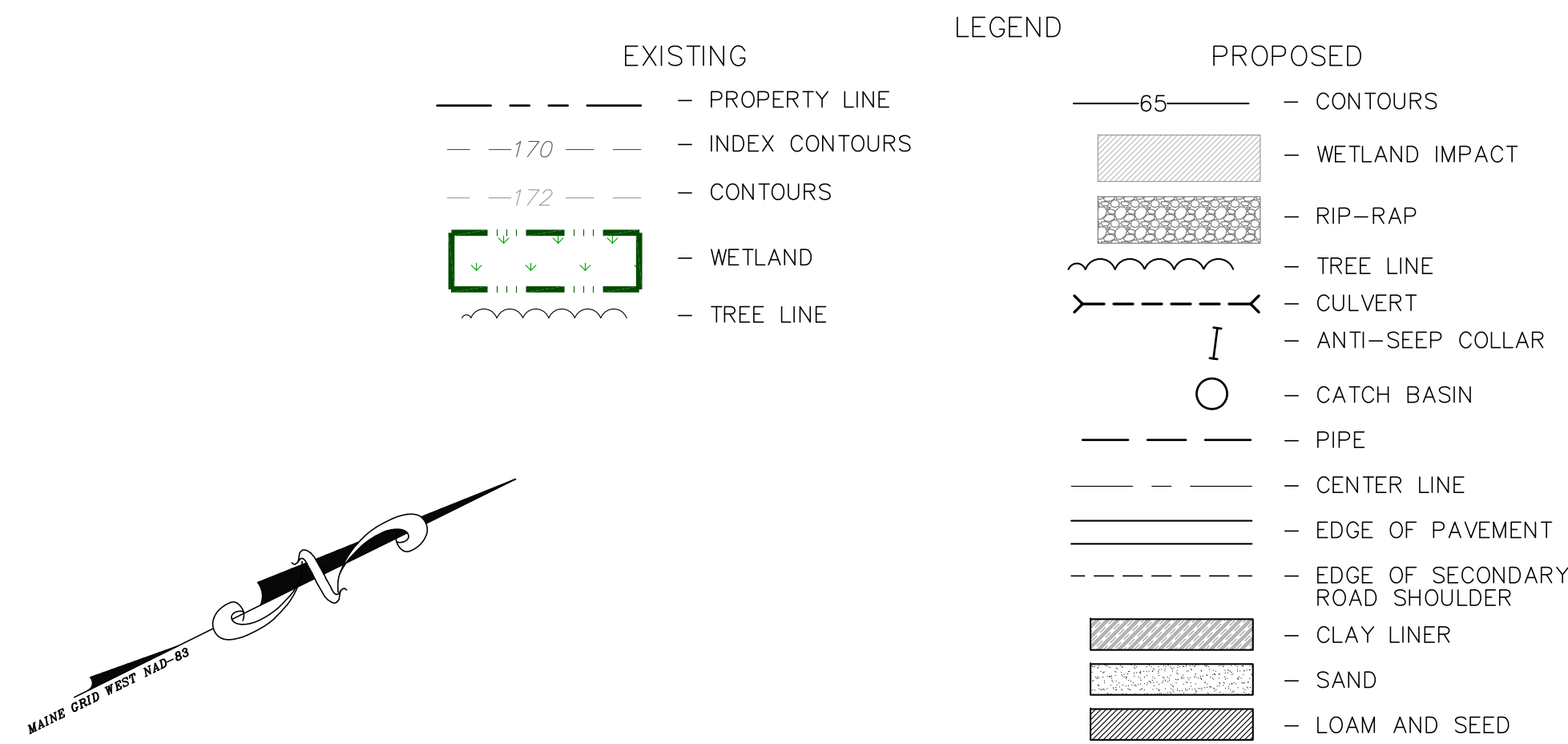
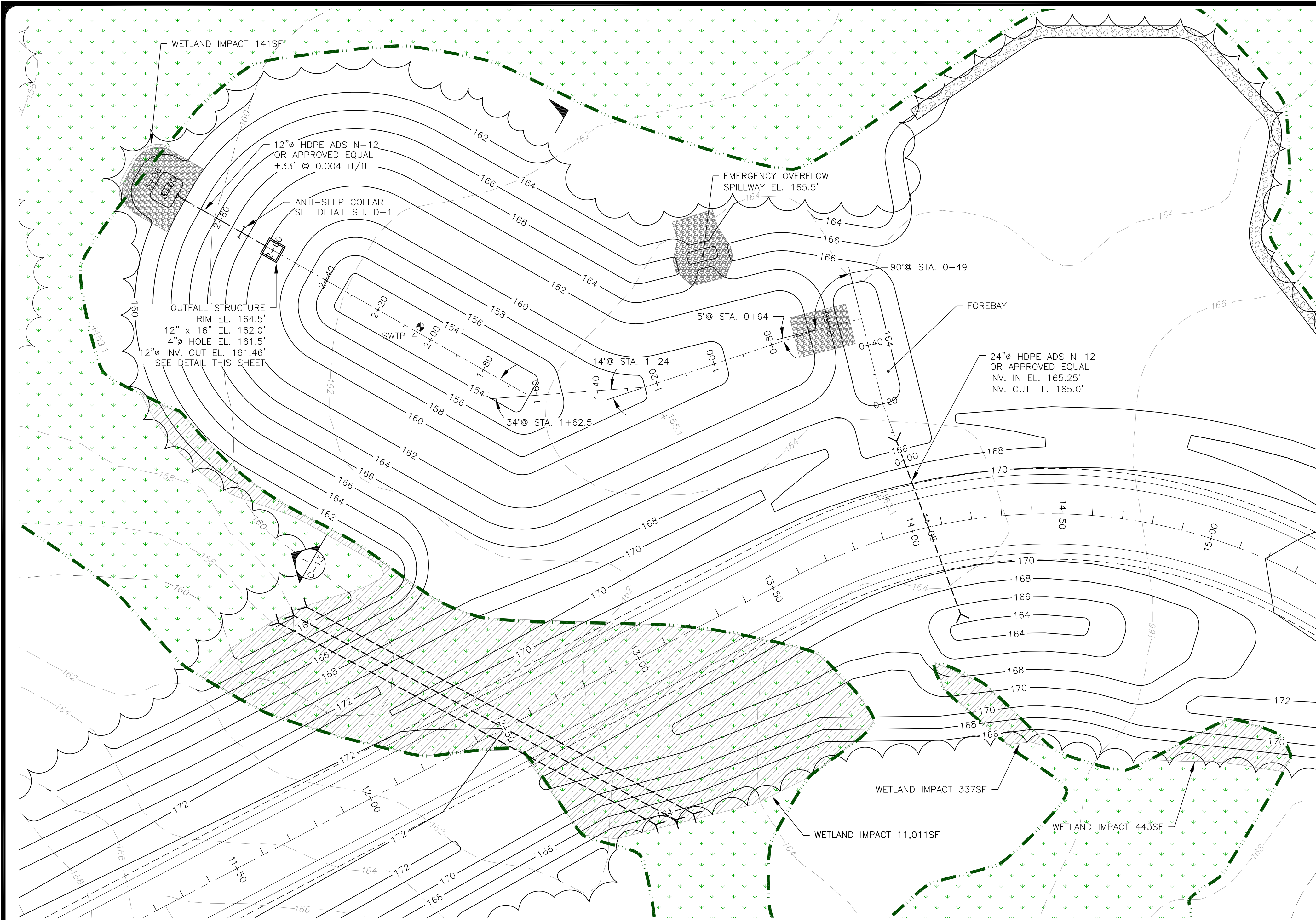
No. Revision Description  
Chkd  
Drawn  
Date

Job Number:  
79800

Drawing No:  
C-12

Sheet 13 of 16





**NOTES:**

**WETPONDS:**

A. INSPECTION BY A PROFESSIONAL ENGINEER WILL CONSIST OF WEEKLY VISITS TO THE SITE TO INSPECT THE INSTALLATION OF EACH POND'S EMBANKMENT CONSTRUCTION, STORMWATER INLET, UNDERDRAINED GRAVEL OUTLET, GRAVEL OUTLET FILTER MATERIAL MAKEUP AND PLACEMENT, OUTLET CONTROL STRUCTURE, CLAY LINER (IF APPLICABLE), AND EMERGENCY SPILLWAY CONSTRUCTION FROM INITIAL GROUND DISTURBANCE TO FINAL STABILIZATION OF THE POND.

B. CLAY LINER MIN THICKNESS = 1.5'

C. PLACE LINER IN 9" LOOSE LIFTS.

D. COMPACT CLAY LINER TO 95% STANDARD PROCTOR DENSITY PER ASTM D-2434.

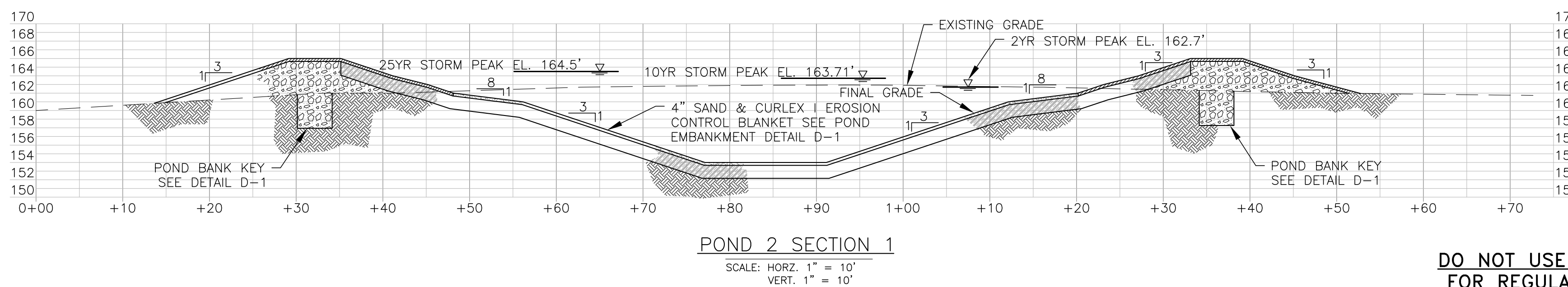
E. MINIMUM LINER PERMEABILITY 1x10<sup>-6</sup>/cm/sec PER ASTM D-2432.

F. LINER PLASTICITY INDEX NOT LESS THAN 15% PER ASTM D-423/424.

G. SEE SHEET D-1 FOR MINIMUM & MAXIMUM GRAIN SIZE DISTRIBUTION FOR CLAY LINER. CONTRACTOR TO PROVIDE ALL TESTING RESULTS TO OWNER & ENGINEER FOR APPROVAL.

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THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION MAY REQUIRE THIRD-PARTY INSPECTIONS OF THE DEVELOPMENT'S EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION AND IMMEDIATELY AFTER FINAL STABILIZATION. IN ALL CASES, THE THIRD PARTY INSPECTION PROGRAM, TO BE IMPLEMENTED BY THE APPLICANT, MUST COMPLY WITH THE "SPECIAL CONDITION FOR THIRD PARTY INSPECTION PROGRAM" THAT WILL BE INCORPORATED AS PART OF THE DEPARTMENT ORDER ISSUED FOR THE DEVELOPMENT.



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No.	Revision Description	Drwn	Chkd	Date

Drwn By: BPG	Desg By: BPG / KJB
Chkd By: KJB	Aprvd By: KJB
Date: 7-30-18	

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**Stormwater Management Plan  
Pond #2 Plan & Sections**

Durant Homestead  
Chute Road, Windham, Maine

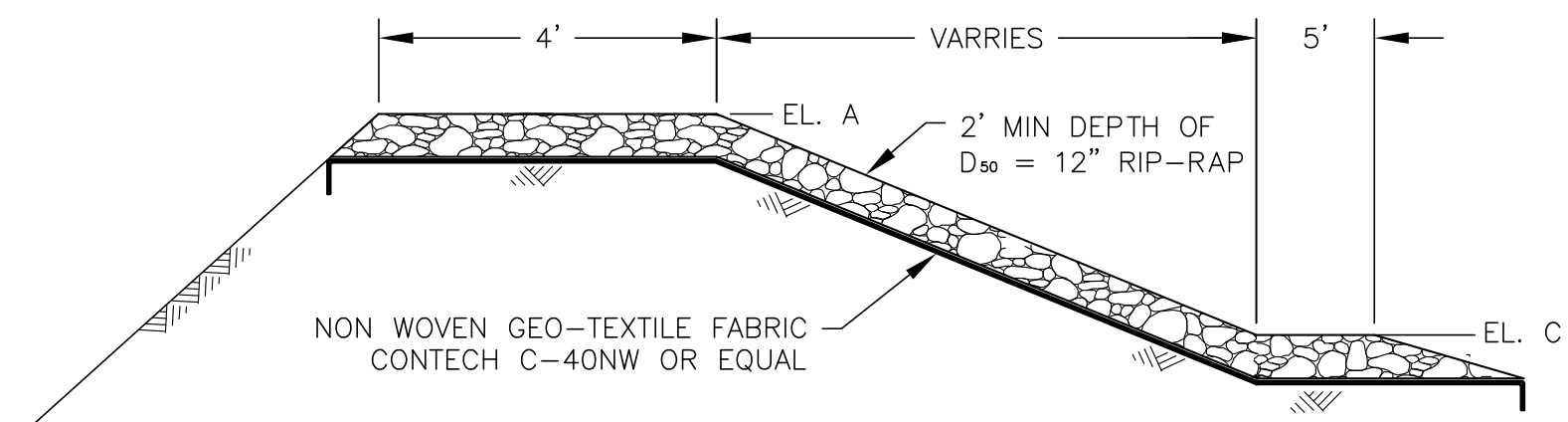
Matt Hancock Properties  
PO Box 295  
Casco, Maine 04015

Job Number:  
79800

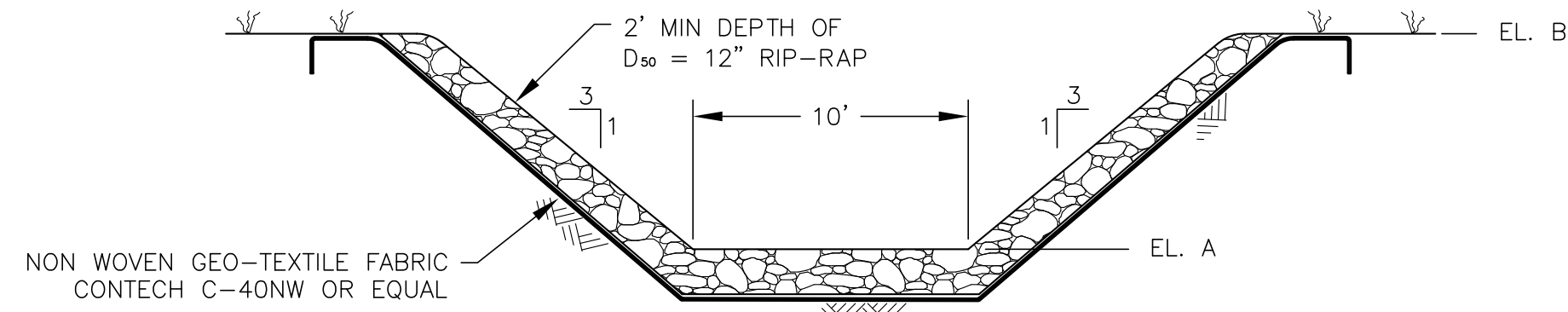
Drawing No:  
C-13

Sheet 14 of 16



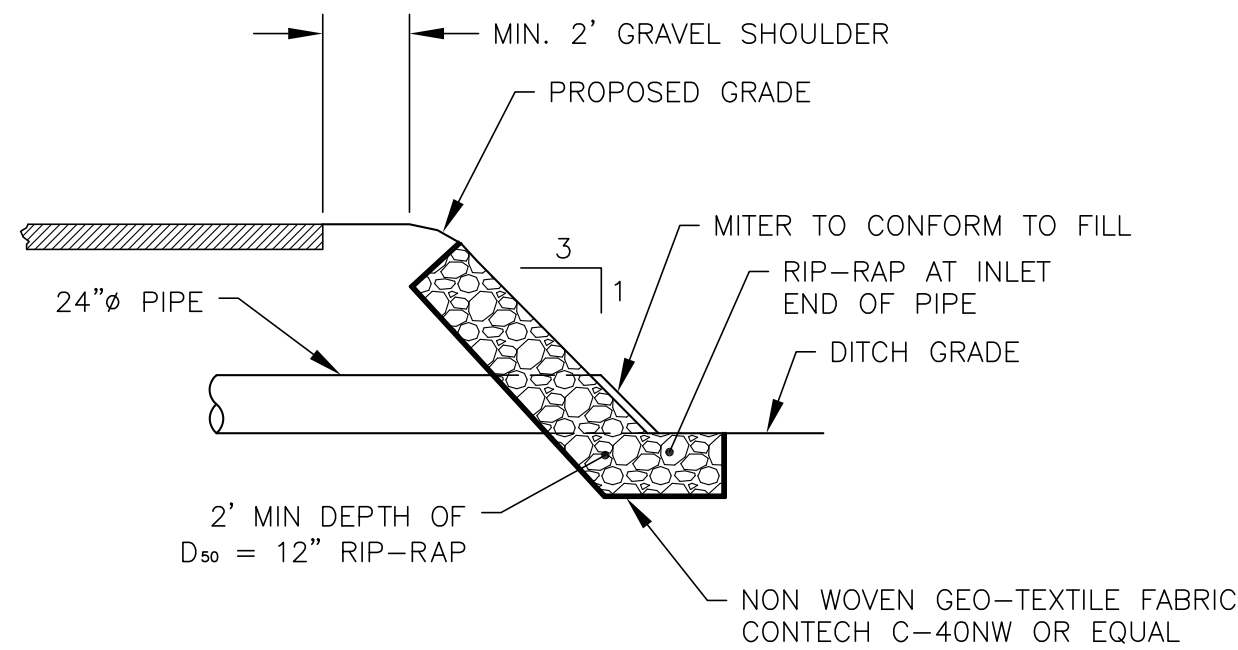


EMERGENCY OVERFLOW SPILLWAY SECTION  
NOT TO SCALE

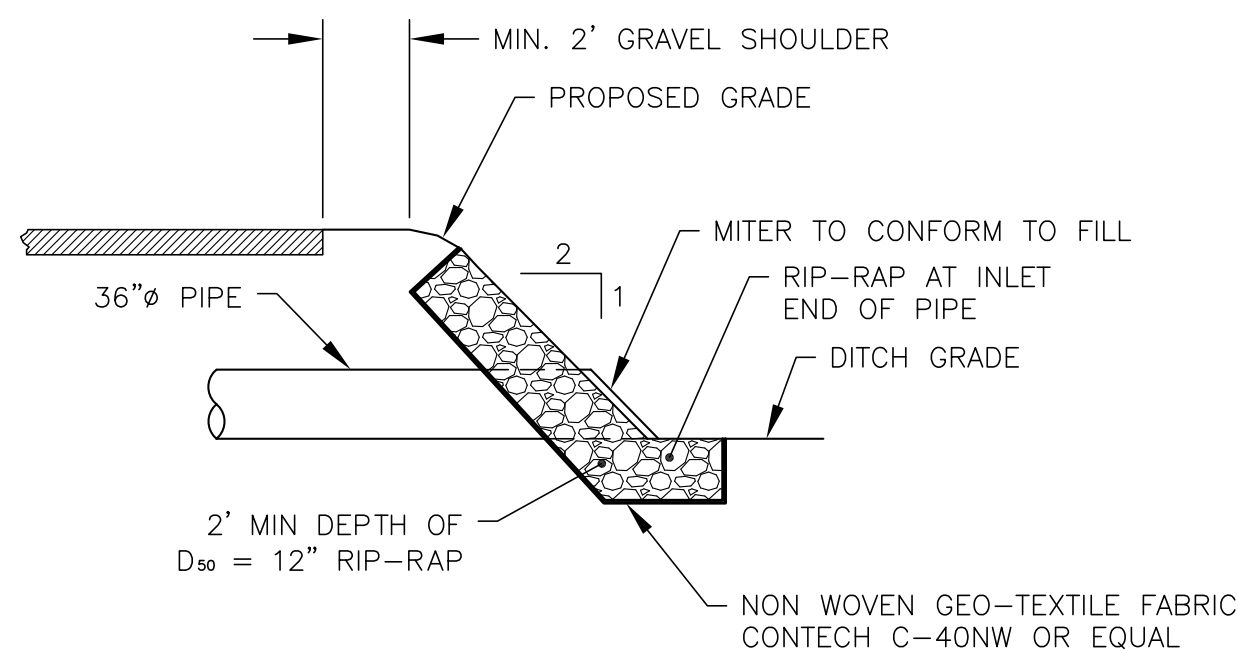


EMERGENCY OVERFLOW SPILLWAY OUTLET DETAIL  
NOT TO SCALE

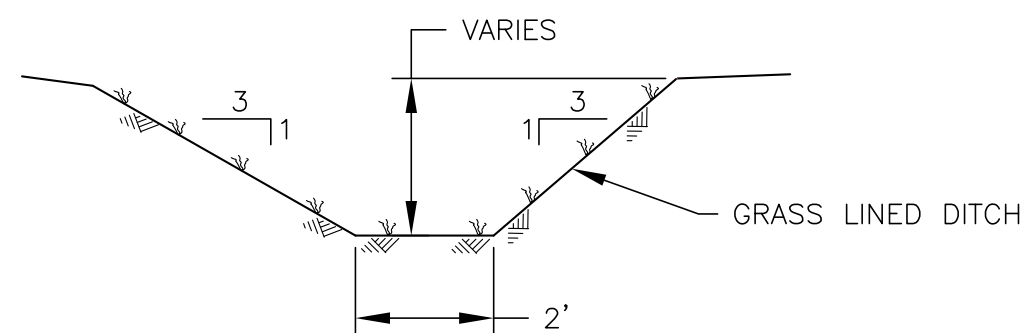
EMERGENCY OVERFLOW ELEVATION TABLE			
POND	EL. A	EL. B	EL. C
1	166.6'	168.0'	164.0'
2	165.5'	166.0'	164.0'



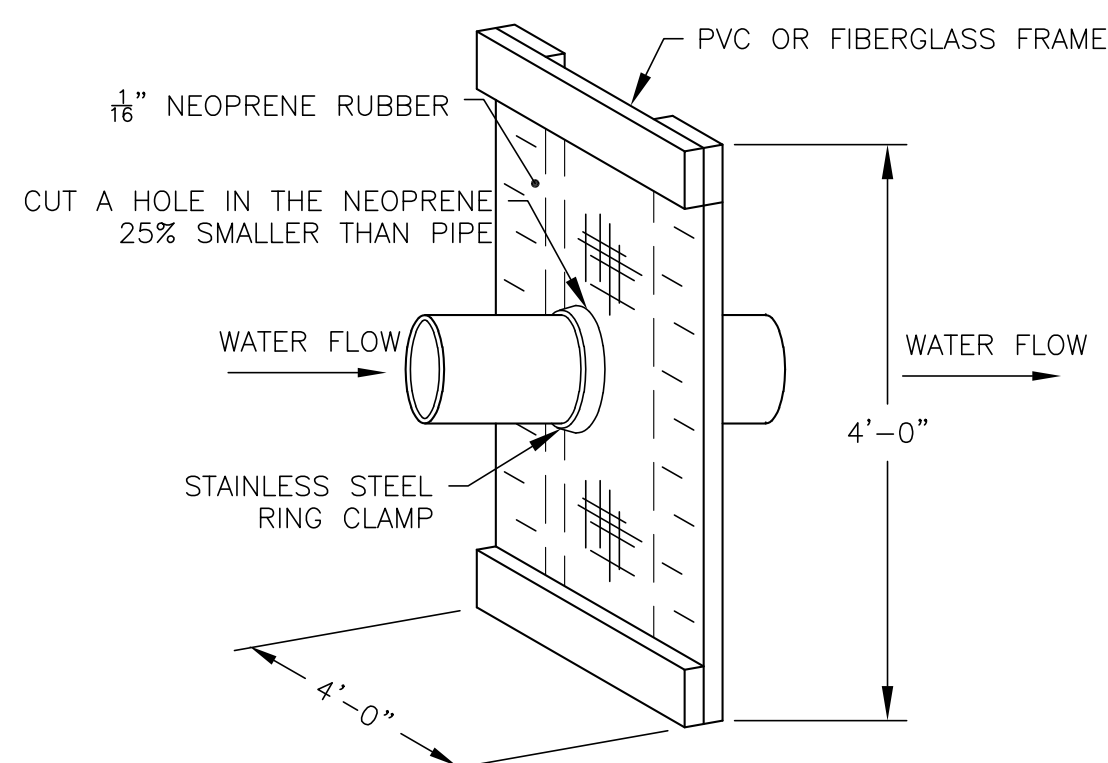
24"Ø PIPE INLET DETAIL  
NOT TO SCALE



36"Ø PIPE INLET DETAIL  
NOT TO SCALE

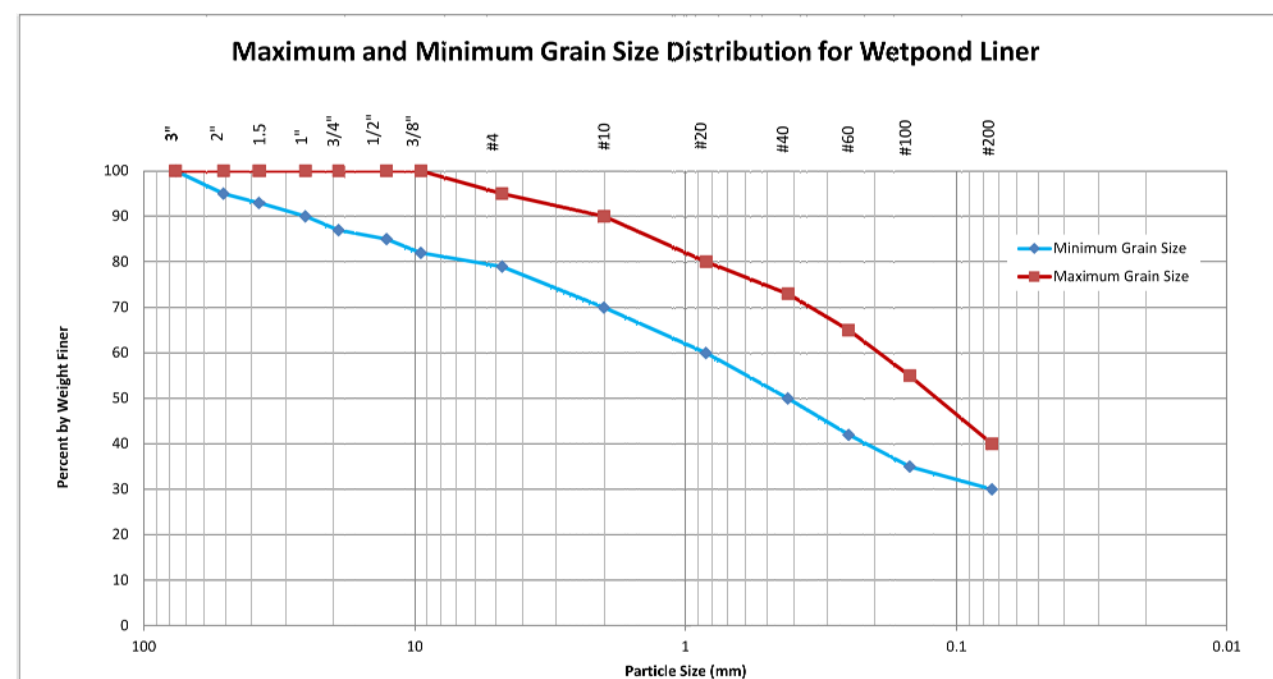


GRASS LINED DITCH DETAIL  
NOT TO SCALE



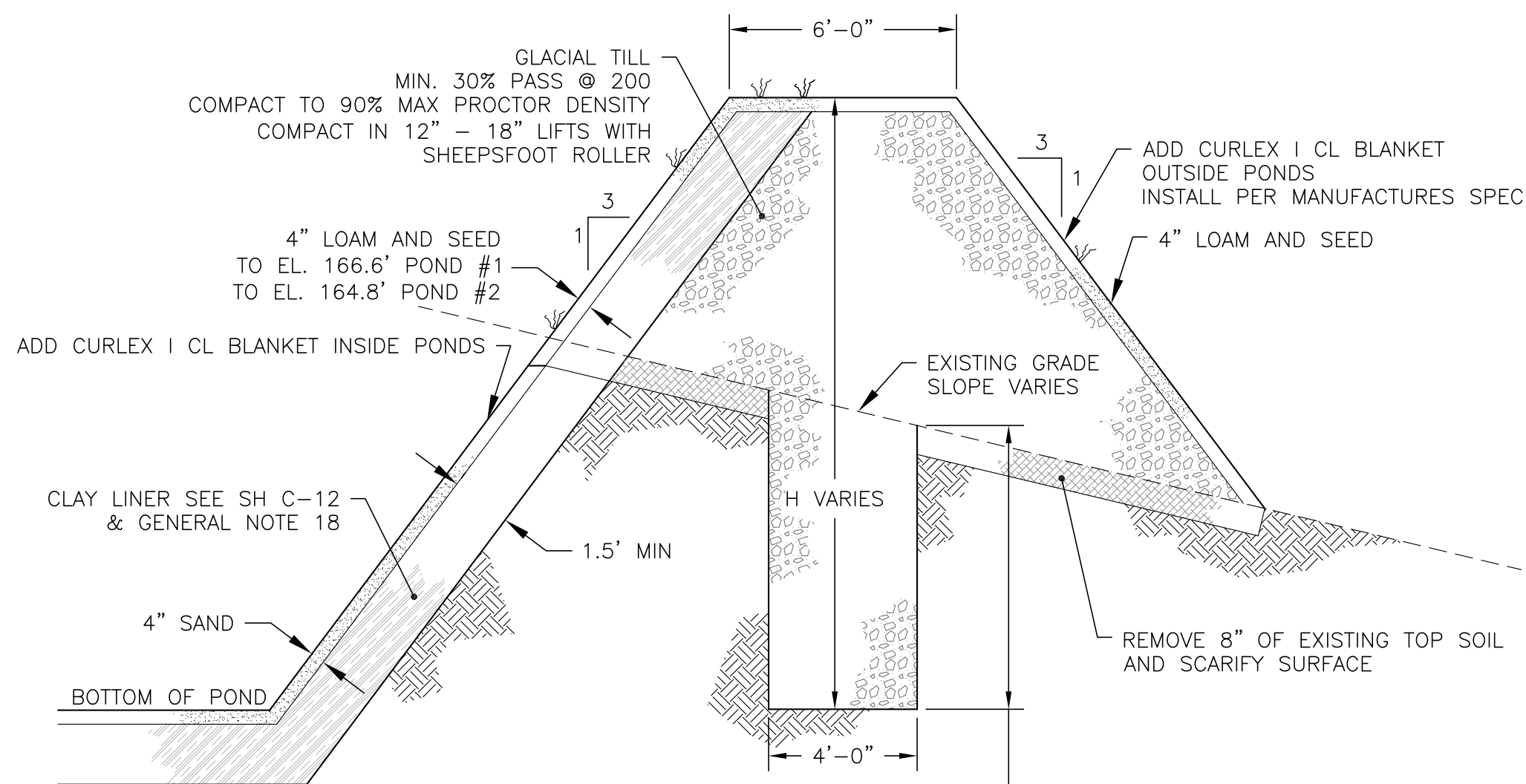
ANTI-SEEP COLLAR DETAIL  
NOT TO SCALE

US Standard Sieve		Particle Size (mm)		% By Wt. Pass	
Size	Min	Max	Min	Max	
3	76.2	100	100	100	
4	50.8	95	100	100	
10	2.0	75	100	100	
20	0.85	60	100	100	
40	0.425	40	100	100	
60	0.25	30	100	100	
80	0.18	25	100	100	
100	0.15	20	100	100	
200	0.075	10	100	100	

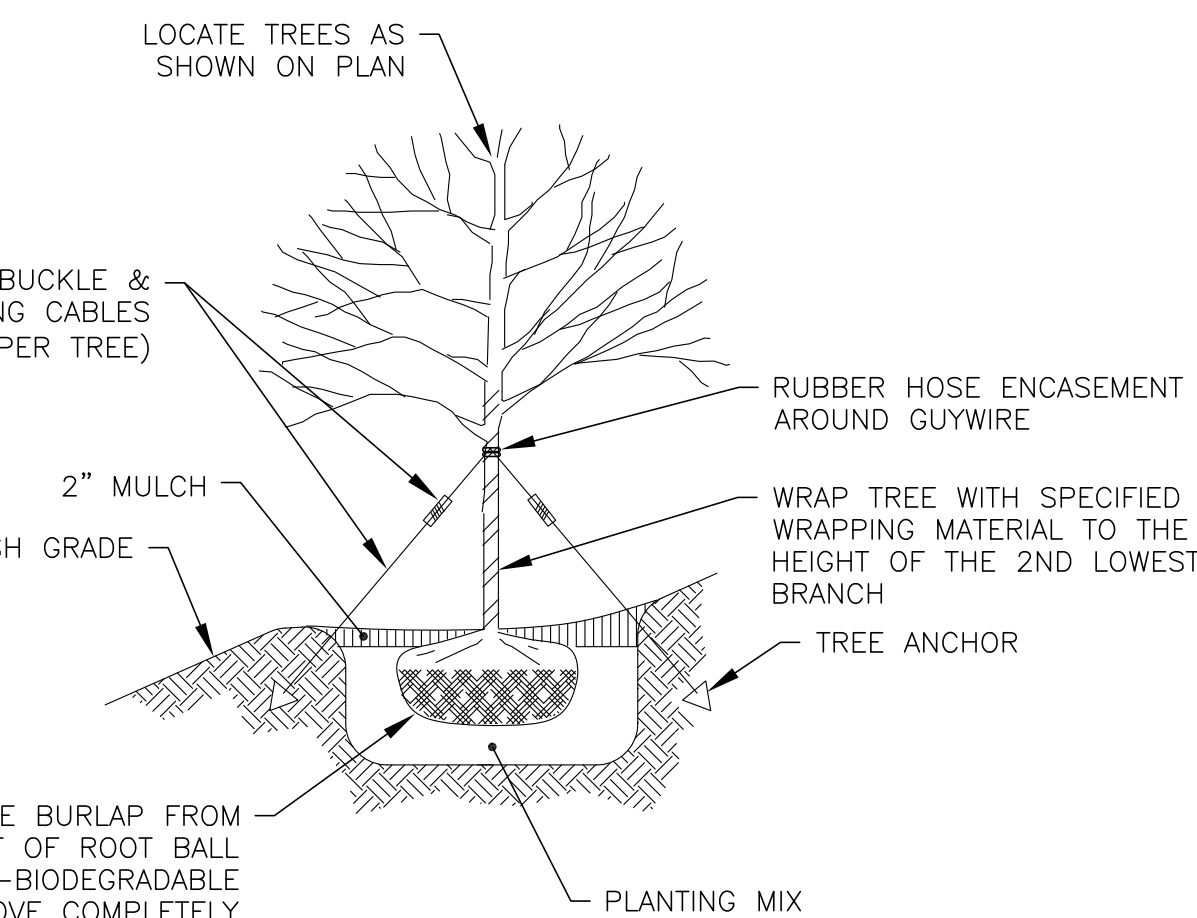


NOTE:  
THE SEED MIXTURE SHALL CONSIST OF SEEDS PROPORTIONED BY WEIGHT AS FOLLOWS:

	Pounds/acre
Kentucky Bluegrass	20 lbs
Creeping Red Fescue	20 lbs
Perennial Ryegrass	5 lbs

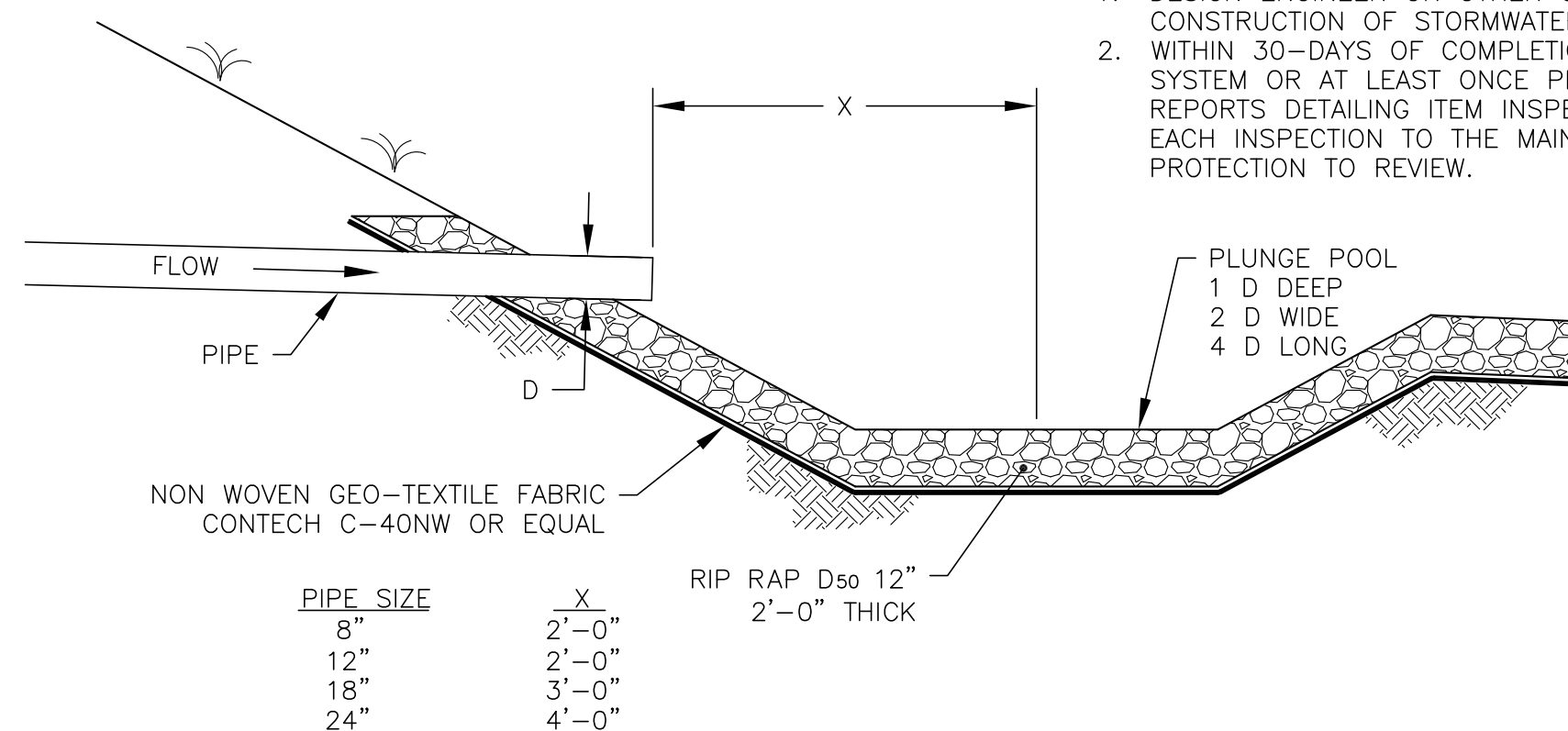


TYPICAL POND EMBANKMENT DETAIL  
NOT TO SCALE

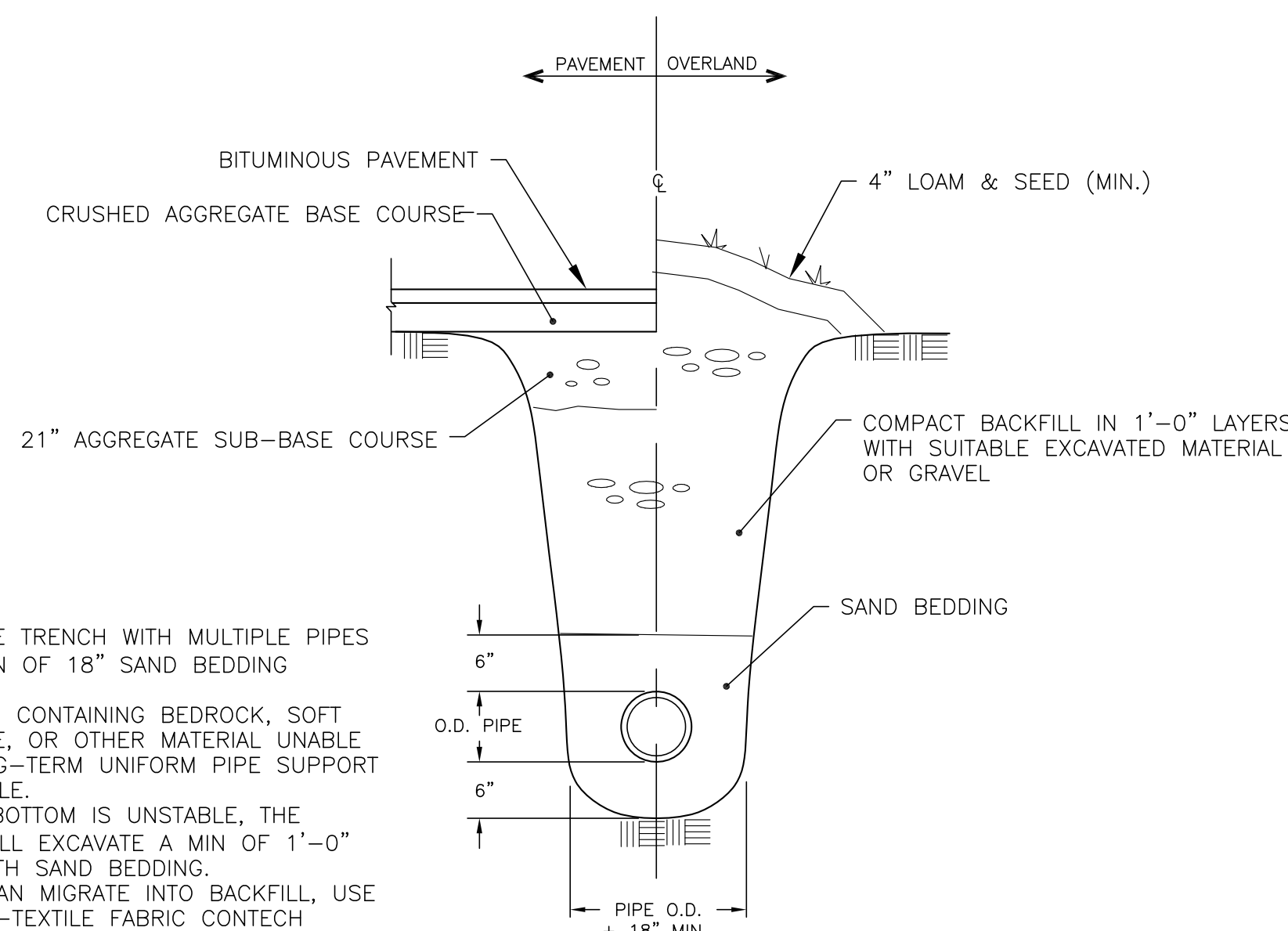


TREE STAKING DETAIL  
NOT TO SCALE

- NOTES:
1. DESIGN ENGINEER OR OTHER QUALIFIED ENGINEER TO OBSERVE CONSTRUCTION OF STORMWATER MANAGEMENT STRUCTURES.
  2. WITHIN 30-DAYS OF COMPLETION OF THE STORMWATER MANAGEMENT SYSTEM OR AT LEAST ONCE PER YEAR, SUBMIT A LOG OF INSPECTION REPORTS DETAILING ITEM INSPECTED, PHOTOS TAKEN AND THE DATES OF EACH INSPECTION TO THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION TO REVIEW.

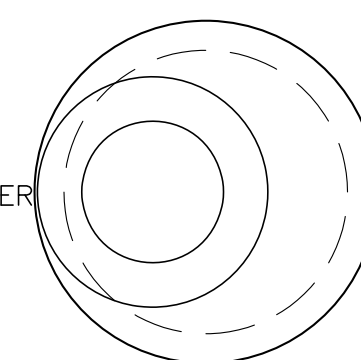


PLUNGE POOL DETAIL  
NOT TO SCALE



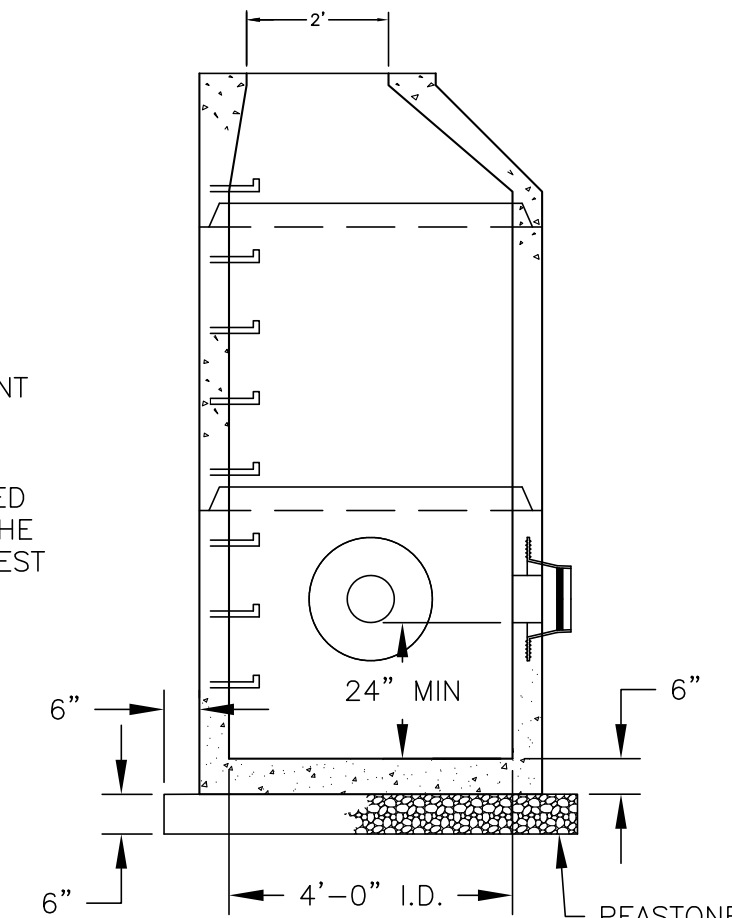
TYPICAL TRENCH DETAIL  
NOT TO SCALE

- NOTES:
1. STORMWATER PIPE TRENCH WITH MULTIPLE PIPES MUST HAVE A MIN OF 18" SAND BEDDING BETWEEN THEM.
  2. TRENCH BOTTOMS CONTAINING BEDROCK, SOFT MUCK OR REFUSE, OR OTHER MATERIAL UNABLE TO PROVIDE LONG-TERM UNIFORM PIPE SUPPORT ARE UNACCEPTABLE.
  3. WHERE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE A MIN OF 1'-0" AND REPLACE WITH SAND BEDDING.
  4. IF NATIVE SOIL CAN MIGRATE INTO BACKFILL, USE NON WOVEN GEO-TEXTILE FABRIC CONTECH C-40NW OR EQUAL TO SEPARATE NATIVE SOIL FROM SAND BEDDING.



PLAN

- MANHOLE NOTES:
1. EXTERIOR ASPHALT COATED
  2. LOCK JOINT FLEXIBLE PIPE SLEEVES, CAST IN
  3. MANHOLE STEPS @ 12" O.C.



SECTION  
CATCH BASIN DETAIL

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No.	Revision Description	Drawn	Chkd	Date

Drawn By: BFG	Desg By: BFG / KJB
Chkd By: KJB	Aprvd By: KJB
Date: 7-30-18	

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(352)-796-6236  
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**Construction Details**  
Durant Homestead  
Chute Road, Windham, Maine  
Matt Hancock Properties  
PO Box 295  
Casco, Maine 04015

Job Number:  
79800

Drawing No:  
D-1

Sheet 15 of 16





6" THICK LAYER OF  
 $\frac{3}{4}$ " TO  $1\frac{1}{2}$ "  $\phi$   
 CRUSHED STONE

FILTER BAG

SILTY WATER FROM PUMP

OPENING AND TRAP  
 CLOSURE FOR UP TO  
 4"  $\phi$  HOSE

DIRT BAG®

LOW

3'-0"

3'-0"

5'-0"  $\pm$

TOP VIEW

PUMP DISCHARGE HOSE

EXTEND FABRIC -  
 2' BEYOND STONE

GEOTEXTILE FABRIC  
 UNDER STONE FOR  
 EASE OF REMOVAL

FINISH GRADE OR  
 UNDISTURBED GROUND

SIDE VIEW

FILTER BAG DETAIL

NOT TO SCALE

- HAY BALE ANCHORING DETAIL
- NOT TO SCALE



- NOTE:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

DO NOT USE FOR CONSTRUCTION  
FOR REGULATORY REVIEW ONLY

Subdivision Access Road  
Erosion Control Details

---

Durant Homestead  
Chute Road, Windham, Maine

---

*Matt Hancock Properties  
PO Box 295  
Casco, Maine 04015*

Job Number:  
79800

Drawing No:  
D-2

Sheet 16 of 16

Drwn By: BPG  
Desg By: BPG / K  
Chkd By: KJB  
Aprvd By: KJB  
Date: 7-30-18

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