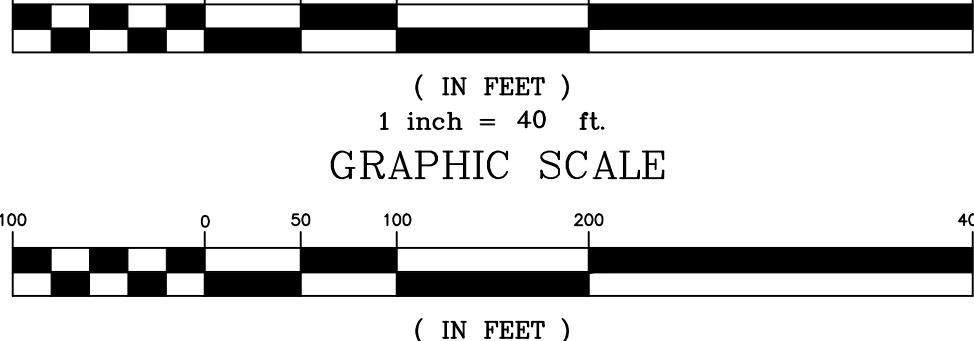
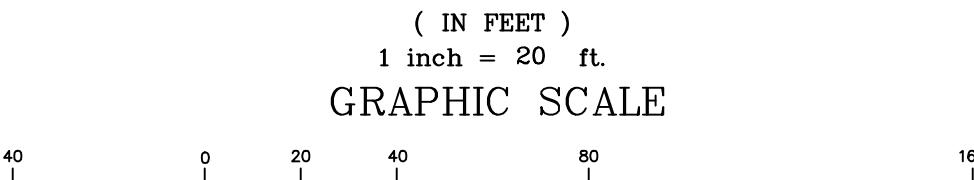
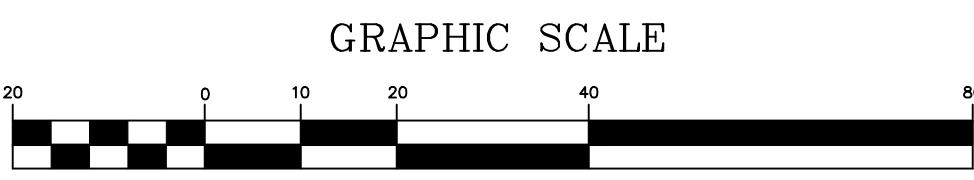


#### GENERAL NOTES:

EXISTING	LEGEND:	PROPOSED
● OR □	IRON PIPE OR MONUMENT	○ OR □
◆ BENCH MARK (SEE NOTES)		
▲ TRAVERSE STATION		▲ TP2
◆ TEST PIT		● TP2
◆ CATCH BASIN		● C
◆ SEWER MANHOLE		● S
◆ FIRE HYDRANT		● FH
◆ WATER GATE VALVE		● WG
◆ WATER SHUT-OFF		● WS
◆ BLOW-OFF/CLEAN-OUT		● BO
◆ WELL		● W
◆ UTILITY POLE		● U
◆ POLE W/SINGLE LIGHT		○ & □
◆ POLE W/DOUBLE LIGHT		□
◆ SPOT LIGHT		▲
◆ BOLLARD LIGHT		○
◆ SIGN		○
◆ HANDICAP SYMBOL		● H
◆ PAVEMENT PAINT MARKINGS		■■■■■
◆ PARKING SPACE COUNT		(15)
◆ PROPERTY LINE		—
◆ EASEMENTS		—
◆ SETBACK/BUFFER		—
◆ SOILS BOUNDARY		—
◆ WETLAND BOUNDARY		—
◆ STREAM		—
◆ CULVERT		—
◆ CONCRETE SLIFORM		—
◆ GRANITE CURB		—
◆ VERTICAL CONCRETE CURB		—
◆ EDGE OF PAVEMENT		—
◆ ROAD CENTERLINE		—
◆ BUILDING		■■■■■
— S	STORM DRAIN (SEE PLAN FOR SIZE)	12"SD
— FM	SEWER LINE (SEE PLAN FOR SIZE)	— S
— W	SEWER FORCE MAIN (SEE PLAN FOR SIZE)	6"FM
— GAS	WATER LINE (SEE PLAN FOR SIZE)	— W
— UE	NATURAL GAS LINE (SEE PLAN FOR SIZE)	— G
— SE	UNDERGROUND POWER, PHONE, CABLE CONDUIT	— UE
— WC	UNDERGROUND SECONDARY POWER LINES	— SE
x (100.00)	CHILLER LINES	—
	SPOT: CURB TOP & BOTTOM	WC
	SPOT: ELEVATION	x 100.00
	CONTOURS	T=106.9
	CATCH BASIN HAY BALE BARRIER	B=106.4
	CLEARING LIMIT	x 100
	TREE LINE	
	SILT FENCE	
	CHAIN LINK FENCE	
	WOOD GUARD RAIL	
	RIPRAP	
	CONSTRUCTION ENTRANCE	
	CONCRETE	
	PAVEMENT	
	PAVEMENT OVERLAY	
	BUILDING	
	EXISTING BUILDING	
	NOT IN CONTRACT	
	"NIC"	

#### PROJECT SCALES:



#### APPROVALS REQUIRED:

- TOWN OF BRUNSWICK PLANNING BOARD.
- MAINE DEP STORMWATER PERMIT.

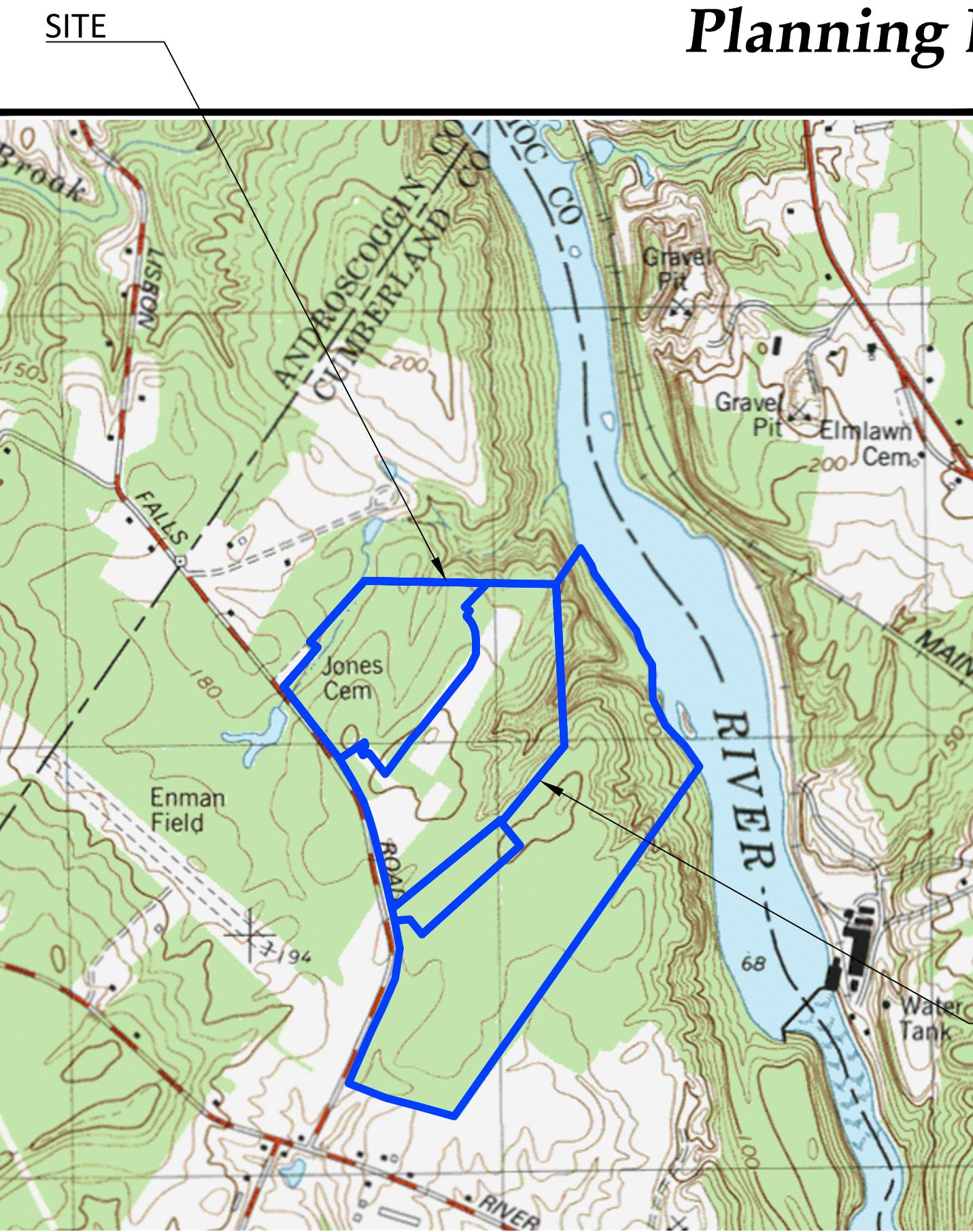
# Jones Farm Residential Subdivision Project

## 13 Residential Lots

### Lisbon Road, Brunswick, Maine

#### 1-2-2026

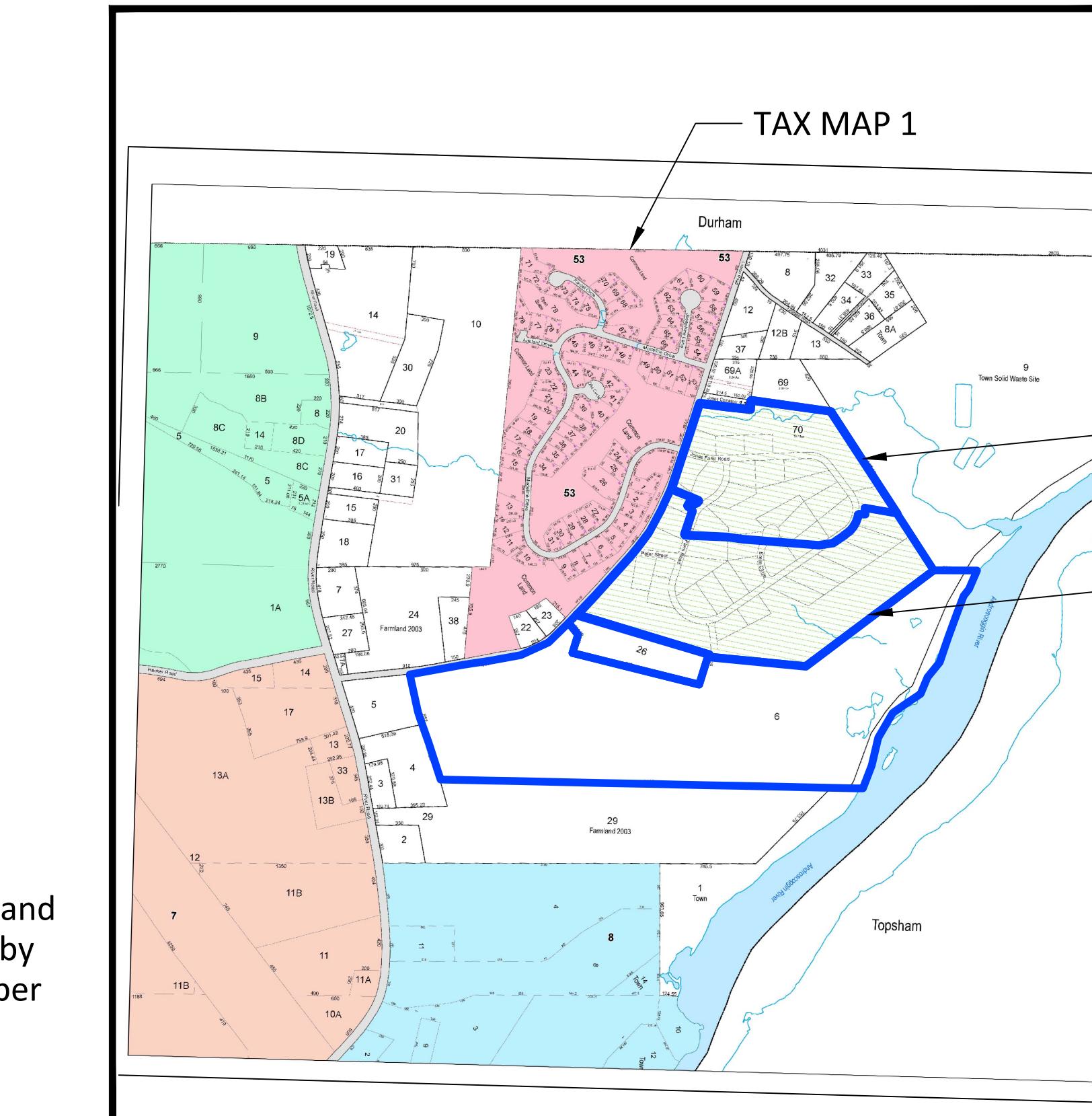
#### Planning Board Submission Set



LOCATION  
USGS MAP  
1"=1000'



LOCATION AERIAL MAP  
1"=400'



LOCATION TAX MAP  
1"=1000'

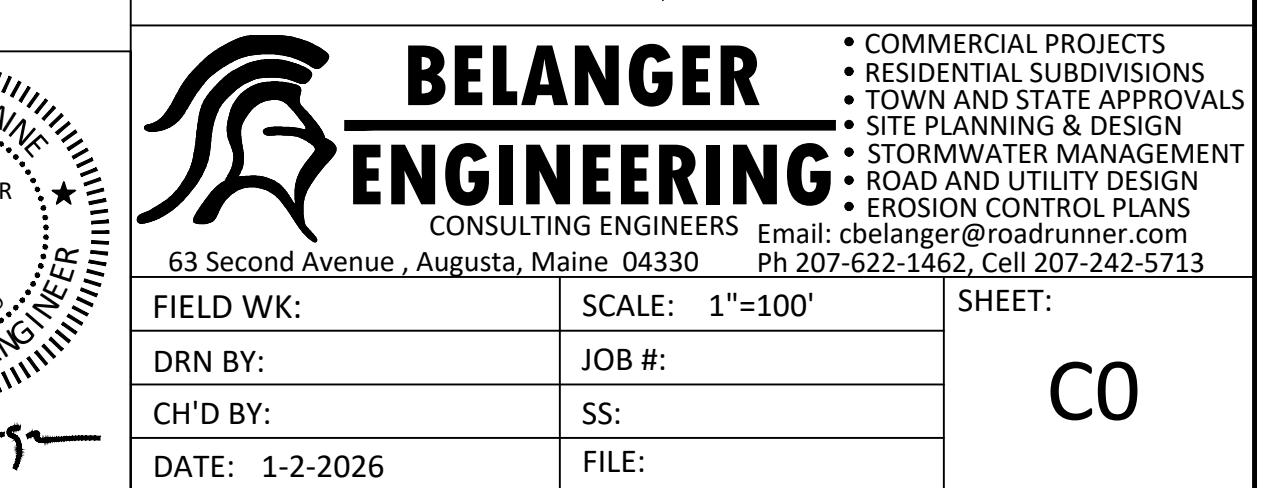
#### SHEET INDEX:

C0	COVER SHEET
1	TOPOGRAPHIC SURVEY PLAN BY COLLIER ENGINEERING
1	SUBDIVISION PLAN BY COLLIER ENGINEERING
C1	OVERALL SUBDIVISION PLAN: 1"=100'
C2-C5	ROADWAY SITE PLANS: 1"=20'
C6	JONES FARM ROAD PROFILES: 1"=40'
C7	HAY STACK LANE PROFILE: 1"=40'
C8	FILTER POND PLAN, PROFILE, AND DETAILS
C9	ROADWAY SECTIONS AND DETAILS
C110	CIVIL DETAILS
C11, C12	EROSION CONTROL NOTES AND DETAILS
SOILS	HIGH INTENSITY SOIL SURVEY PLAN
PRE	PRE DEVELOPMENT STORMWATER PLAN
POST	POST DEVELOPMENT STORMWATER PLAN
WQ1	WATER QUALITY STORMWATER PLAN

#### Cover Sheet

Jones Farm Residential Subdivision Project  
0 Lisbon Road, Brunswick, Maine

Jones Farm Development LLC  
Tax Map 1 Lot 70



C0



## PLAN REFERENCES:

A. "JONES FARM SUBDIVISION" PREPARED FOR JONES FARM, LLC BY PINE TREE ENGINEERING, PROJECT NO. 03013 DATED MAY 1, 2007, REVISED THROUGH APRIL 4, 2009 AND RECORDED IN PLAN BOOK 208, PAGE 232

B. "STANDARD BOUNDARY SURVEY - LABCO REALTY TRUST - SUBSURFACE WASTEWATER DISPOSAL SYSTEM PARCEL" PREPARED BY KIMBALL CHASE COMPANY, INC., PROJECT NO. 88-2347 DATED SEPTEMBER 10, 1990, REVISION 2 (NO REVISION DATE, APPROVED BY THE TOWN OF BRUNSWICK PLANNING BOARD ON SEPTEMBER 2, 1996) AND RECORDED IN PLAN BOOK 196, PAGE 225.

C. "LOT LAYOUT - SPRUCE POND SUBDIVISION" PREPARED BY KIMBALL CHASE COMPANY, INC., PROJECT NO. 88-2347 DATED MAY 26, 1989 (REVISED THROUGH APRIL 29, 1991 AND RECORDED IN PLAN BOOK 196, PAGE 224).

D. "SURVEY PLAN OF LAND OF RAY LABBE & SONS" PREPARED BY SITELINES, PA, JOB NO. 3113SV DATED MAY 23, 2016, UNRECORDED.

## GENERAL NOTES:

- THE RECORD OWNER OF THE PARCEL IS JONES FARM ESTATE, LLC BY DEED DATED MARCH 30, 2021 AND RECORDED AT THE C.C.R.D. IN BOOK 38007, PAGE 234, AND IS SHOWN AS LOT 70 ON THE TOWN OF BRUNSWICK TAX MAP 1.
- TOTAL AREA OF PARCEL IS APPROXIMATELY 79.45 ACRES.
- PERIMETER BOUNDARY INFORMATION SHOWN HEREON IS BASED UPON PLAN REF. 7A & B, BEST-FIT TO FIELD MEASUREMENTS TO EXISTING MONUMENTS RECOVERED BY NORTHERN SURVEY ENGINEERING, LLC IN NOVEMBER, 2022. USING THESE ADJUSTED MEASUREMENTS, THE CADAstral SURVEY WAS NOT COMPLETED AS PART OF THIS SURVEY AND THIS PLAT DOES NOT REPRESENT THIS SURVEYOR'S OPINION AS TO THE EXTENT OF TITLE.
- A. PROPOSED ROADS AND LOTS ARE SHOWN BASED ON CAD FILES PROVIDED BY BELANGER ENGINEERING.
- TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON FIELD WORK PERFORMED BY COLLIER'S ENGINEERING & DESIGN INC. IN DECEMBER 2022. TRADITIONAL SURVEY MEANS AND METHODS SUPPLEMENTED WITH SUAS BASED PHOTOGAMMETERY WERE EMPLOYED IN THE COLLECTION OF THIS TOPOGRAPHIC INFORMATION.
- BOOK AND PAGE REFERENCES SHOWN HEREON ARE IN REFERENCE TO THE CUMBERLAND COUNTY REGISTRY OF DEEDS (C.C.R.D.).
- BEARING AND COORDINATE REFERENCES ARE REFERENCE TO BPD NORTH, MAINE STATE PLANE COORDINATE SYSTEM, WEST NAD 83-1993-NAD83. ELEVATIONS DEPICTED HEREON ARE IN REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED GPS OBSERVATIONS.
- THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT PREPARED BY AN ATTORNEY. AS SUCH, THIS SURVEY MAY NOT NECESSARILY DEPICT ALL EASEMENTS, RESTRICTIONS, EXCEPTIONS OR OTHER ENCUMBRANCES OF RECORD WHICH AFFECT THE TITLE TO THE PROPERTY.
- UTILITY INFORMATION DEPICTED HEREON IS COMPILED USING PHYSICAL SURFACE EVIDENCE LOCATED IN THE FIELD IN CONJUNCTION WITH ANY RECORD INFORMATION AVAILABLE AT THE TIME OF THIS SURVEY (SUE LEVEL C), AND MAY NOT NECESSARILY REPRESENT ALL EXISTING UTILITIES. CONTRACTORS AND/OR DESIGNERS NEED TO CONTACT DIG-SAFE SYSTEMS, INC. (1-888-DIG-SAFE) AND FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION AND/OR EXCAVATION.
- THE LOCUS FIPPER, AS DEPICTED HEREON, DOES NOT FALL WITHIN A SPECIAL FLOOD HAZARD AREA AS DELINEATED ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF BRUNSWICK, MAINE, CUMBERLAND COUNTY, COMMUNITY-PANEL NUMBER 230042 0010 B, HAVING AN EFFECTIVE DATE OF JANUARY 3, 1988. THE LOCUS FALLS WITHIN AN AREA IDENTIFIED AS ZONE C (NO SHADING), AREAS OF MINIMAL FLOODING.
- A. THE WETLAND DELINEATION WAS PERFORMED ON THIS SITE IN NOVEMBER, 2022 BY ALEX FINAMORE, MAINELY SOILS SCIENTIST OF MAINELY SOILS, LLC, AND LOCATED BY SURVEYOR. THIS DELINEATION CONFORMS TO THE STANDARD WETLAND METHODS OUTLINED IN THE 1987 WETLANDS DELINEATION MANUAL AND NORTHEAST REGIONAL SUPPLEMENT AUTHORED AND PUBLISHED BY THE U.S. ARMY CORPS OF ENGINEERS.
- 10.A. THE WETLAND DELINEATION PERFORMED BY ALEX FINAMORE (MAINELY SOILS) WAS LIMITED TO THE AREA TO BE DEVELOPED. WETLANDS BEYOND THIS AREA ARE SHOWN BASED SOLELY ON PLAN REF. 7A AND HAVE NOT BEEN VERIFIED SURVEY.
- 10.B. THE LOCATION OF ALL STREAMS DEPICTED HEREON, AND THEREFORE ALL EASEMENTS THEREFROM, ARE APPROXIMATE AND SHOWN BASED ON CAD FILES PROVIDED BY MAINELY SOILS AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY THIS SURVEY.
11. ROAD NOTES:
  - 11.A. LISBON FALLS ROAD IS SHOWN AS 49.5 FEET WIDE (3 RODS) AND IS SHOWN PER PLAN REF. 7A.
  - 11.B. A 25 FOOT WIDE EASEMENT AREA IS RESERVED ALONG AND ADJACENT TO ALL ROAD RIGHTS OF WAY (INCL. LISBON FALLS ROAD, JONES FARM ROAD, AND HAY STACK LANE) FOR THE PURPOSE OF INSTALLATION AND MAINTENANCE OF DRAINAGE STRUCTURES AND GRADING SWALES AS REQUIRED TO DRAIN ADJACENT LOTS TO THE WETLANDS AND STREETS. SAID EASEMENTS SHALL BE LEFT AN UNIMPENDED STATE AND SHALL BE MAINTAINED BY THE HOME OWNER ASSOCIATION AFTER THE COMPLETION OF THE PROJECT. THESE EASEMENTS DO NOT BENEFIT THE TOWN OF BRUNSWICK. THE TOWN WILL NOT BE RESPONSIBLE FOR DRAINAGE AND UTILITY MAINTENANCE LOCATED WITHIN SAID EASEMENTS.
13. SUBDIVISION NOTES:
  - 13.A. THE SUBDIVISION ROADS SHALL REMAIN PRIVATE UNLESS THEY ARE UPGRADED TO TOWN ROAD STANDARDS, APPROVED AND ACCEPTED BY THE TOWN IN THE FUTURE.
  - 13.B. LOTS 1, 9, 11, AND 12 DRIVEWAYS SHALL BE LOCATED OFF THE PROPOSED ROADS JONES FARM ROAD AND HAY STACK LANE. DRIVEWAYS CANNOT BE LOCATED OFF LISBON ROAD. NO DRIVEWAY PERMITS WILL BE GRANTED OFF LISBON ROAD.
  - 13.C. NO CUTTING IS ALLOWED IN THE STREAM PROTECTION OVERLAY ZONE (SPO) ON LOTS 4, 5, 7, AND 8.
  - 13.D. DRIVEWAYS ARE NOT ALLOWED OFF THE HAMMERHEAD TURN AROUND AND SHALL NOT BE LOCATED WITHIN 50' OF THE END OF THE ROAD. THIS APPLIES TO LOTS 8 AND 12.

## LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- ABUTTER LINE (NOT SURVEYED)
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED LOT NUMBER
- RECORD PLAN LINE
- LINE
- SETBACK (NOTE 2)
- EASEMENT
- BUILDING
- EDGE PAVEMENT
- EDGE GRAVEL
- EDGE CONCRETE
- WETLANDS
- APPROX. SPO-RP ZONE (SEE SPO NOTE)
- APPROX. SPO-SP ZONE (SEE SPO NOTE)
- EXISTING TREELINE
- OHU - EXISTING OVERHEAD UTILITY
- STREAM (NOTE 10B)
- CONTOURS (EXISTING)
- EXISTING CULVERT
- GUY WIRE

## SURVEYORS CERTIFICATION:

THIS SURVEY WAS PERFORMED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, IT WAS DONE IN ACCORDANCE WITH CHAPTER 90, PART 1 (PROFESSIONAL STANDARDS OF PRACTICE) AND PART 2 (TECHNICAL STANDARDS OF PRACTICE) OF THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS.

DRAFT

SEAN P. PIERCE, MAINE PLS 2517  
COLLIERS ENGINEERING & DESIGN, INC.

APPROVED: BRUNSWICK PLANNING BOARD

CHAIR DATE

DATE

## SPO NOTES:

1.A.1. THE LOCATION OF ALL SPO SUB-DISTRICTS SHOWN HEREON ARE APPROXIMATE AND ARE SHOWN BASED ON SPATIAL DATA OBTAINED FROM THE TOWN OF BRUNSWICK.

1.A.2. ACCORDING TO SECTION 2.3.3.B(3) OF THE TOWN OF BRUNSWICK ZONING ORDINANCE, THE SPO-RP SUB-DISTRICT ENCOMPASSES AREAS "WHEN THEY OCCUR WITHIN THE LIMITS OF THE SHORELAND PROTECTION OVERLAY DISTRICT, EXCLUSIVE OF THE STREAM PROTECTION SUB-DISTRICT." ALL SPO-RP ZONES ON THE SURVEYED PROPERTY OCCUR WITHIN THE SPO-SP ZONE. DUE TO THIS FINDING, PLEASE CONSULT WITH THE TOWN OF BRUNSWICK TO CONFIRM WHETHER THE SPO-RP ZONES SHOWN HEREON ARE IN EFFECT.

## ROAD AREAS

	AREA (S.F.)	AREA (AC.)
HAY STACK LANE	35,839 S.F.	0.82 AC.
JONES FARM ROAD	58,270 S.F.	1.34 AC.

## RF DISTRICT REGULATIONS:

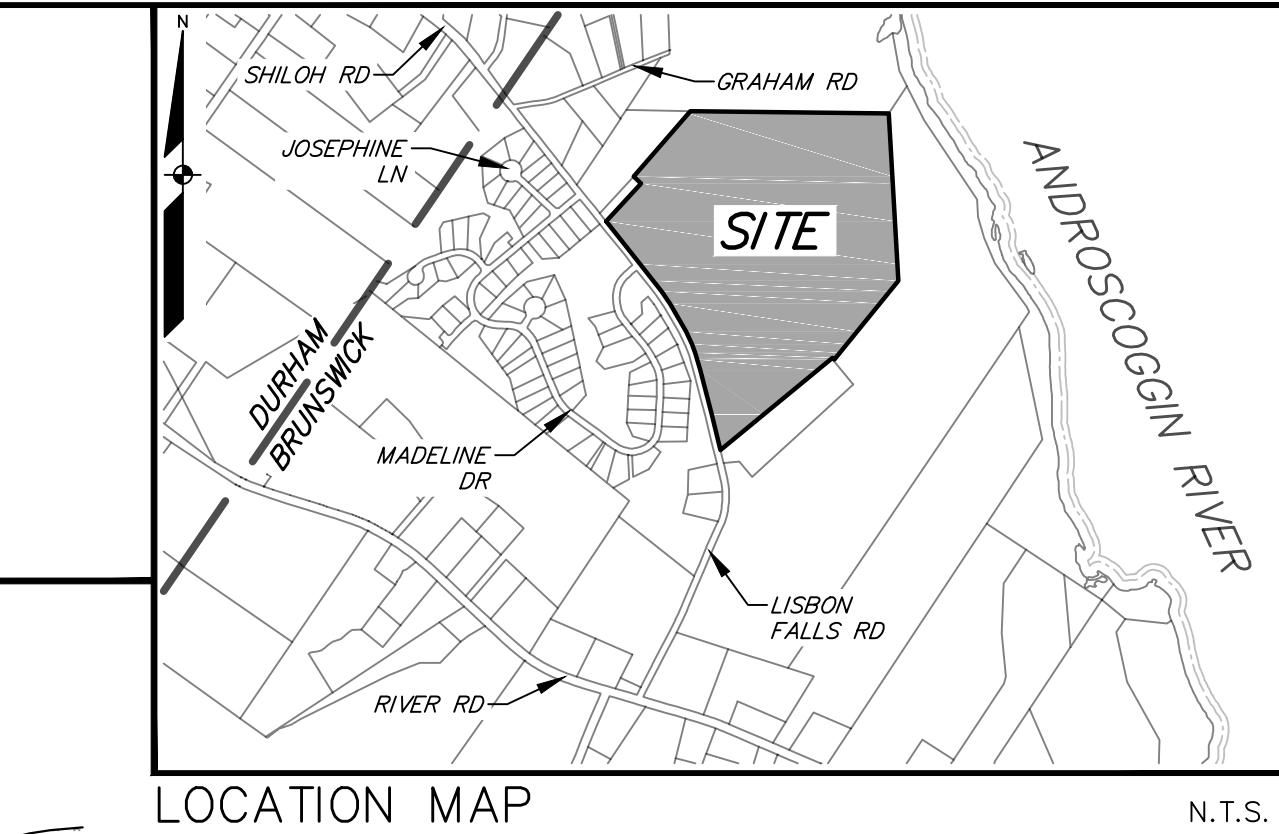
THE PROPERTY IS LOCATED IN THE RURAL FARM & FOREST (RF) DISTRICT. PORTIONS OF THE PROPERTY ARE ALSO LOCATED IN THE SHORELAND PROTECTION OVERLAY - STREAM PROTECTION (SPO-SP) AND RESOURCE PROTECTION (SPO-RP) SUB-DISTRICTS.

LAND USE REGULATIONS WITHIN THE RF DISTRICT ARE AS FOLLOWS:

STANDARD DEVELOPMENTS: OPEN SPACE DEVELOPMENTS:	
MIN LOT AREA:	2 ACRES
NET RES. DENSITY (UNITS/ACRE):	0.5
MIN LOT WIDTH:	150 FT
MIN FRONT SETBACK:	25 FT
MIN SIDE SETBACK:	30 FT
MIN REAR SETBACK:	30 FT
MAX IMPERVIOUS COVERAGE:	20%
MAX BUILDING HEIGHT:	40 FT
MAX BUILDING FOOTPRINT:	10,000 S.F. PER STRUCTURE

\* THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A ZONING REPORT. LAND USE REGULATIONS LISTED ABOVE ARE INTENDED FOR PRELIMINARY PLANNING PURPOSES AND HAVE BEEN COMPILED BASED SOLELY UPON THIS SURVEYOR'S INTERPRETATION OF THE BRUNSWICK ZONING ORDINANCE (REVISED THROUGH AUGUST 17, 2022) AND MAY NOT NECESSARILY INCLUDE ALL RELEVANT REGULATIONS AFFECTING DEVELOPMENT. AS SUCH, ALL LAND USE REGULATIONS MUST BE CONFIRMED WITH THE APPROPRIATE LOCAL, STATE AND/OR FEDERAL REGULATOR AGENCY. REFERENCE MAY BE HAD TO SAID ORDINANCE FOR MORE PARTICULAR INFORMATION.

\*\* A MINIMUM OF 45% OF THE TOTAL SITE AREA MUST BE DEDICATED AS PROTECTED CONSERVATION AREA FOR OPEN SPACE DEVELOPMENT STANDARDS TO APPLY.

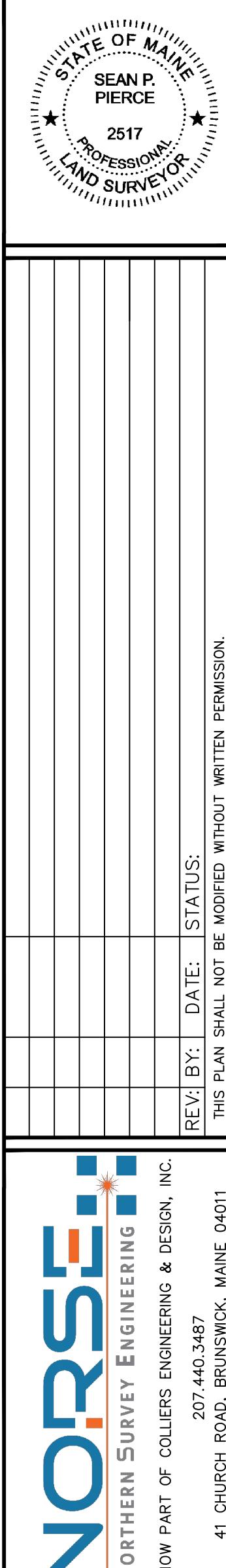


LOCATION MAP N.T.S.

## FIRST AMENDED SUBDIVISION PLAN

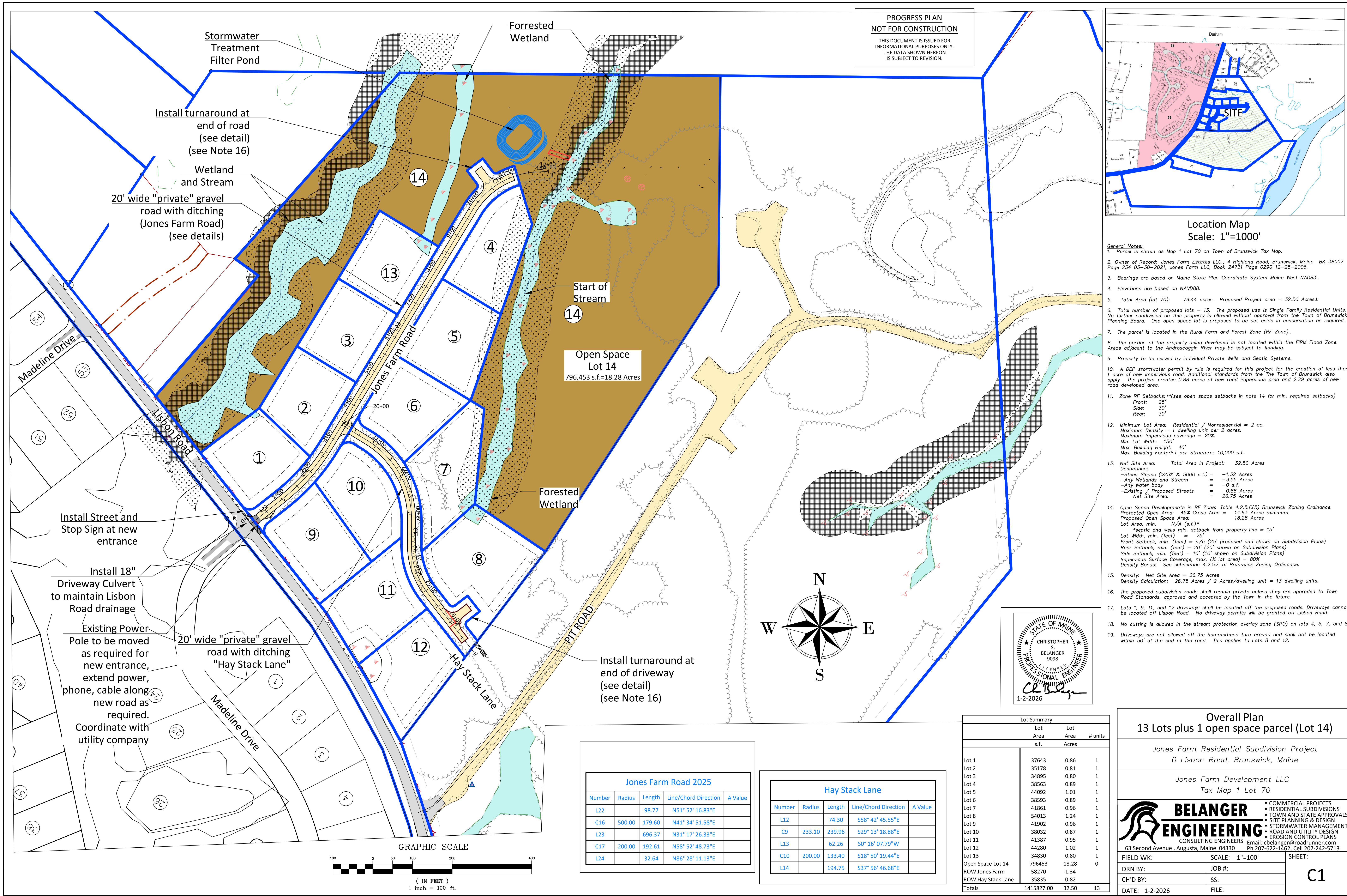
OF: JONES FARM ESTATES, LLC  
FOR: JONES FARM ESTATES, LLC  
4 HIGHLAND ROAD  
BRUNSWICK, MAINE 04011

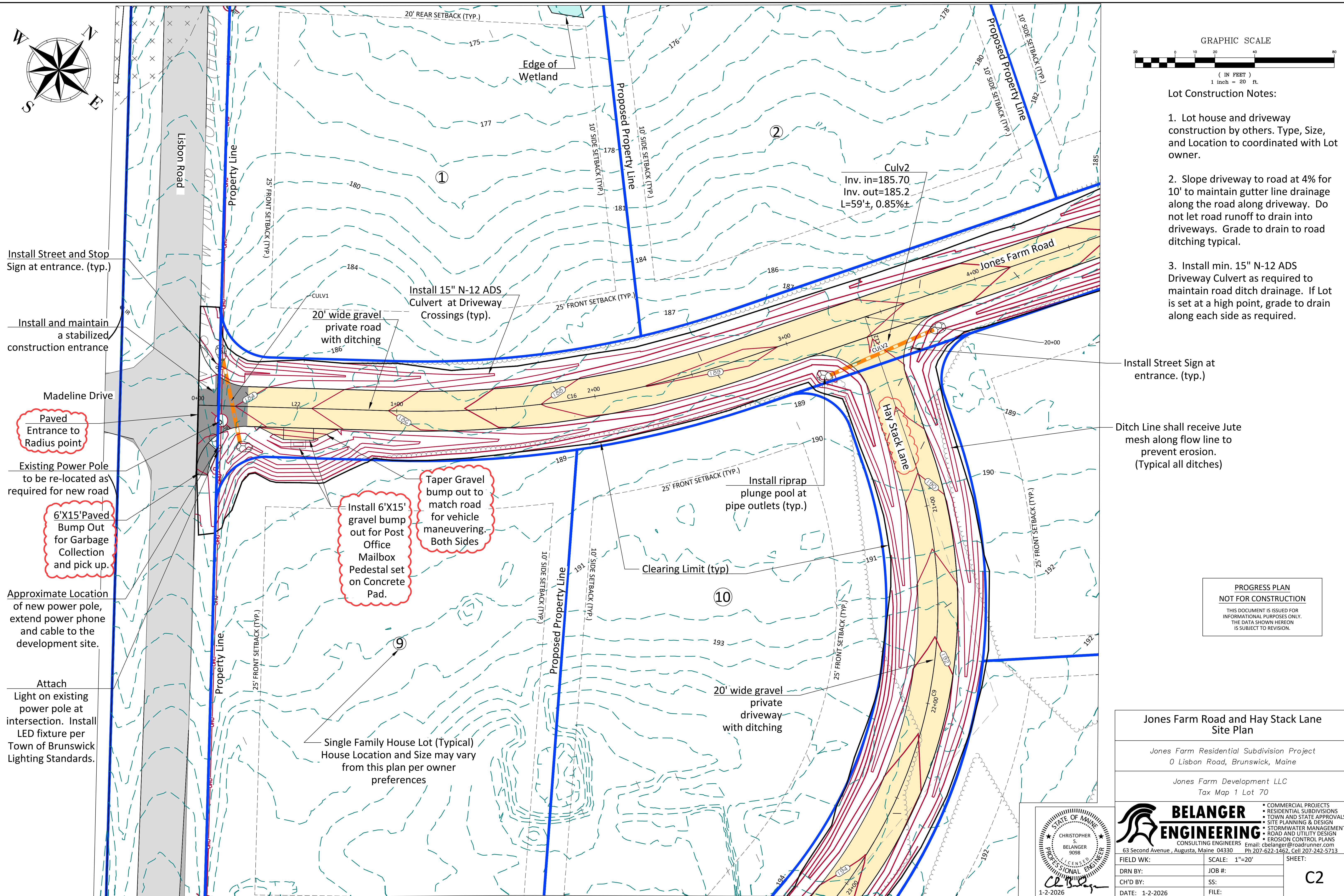
DRAWN CHECKED  
D.J.H. S.P.P.  
PROJECT NO. DATE  
22011760A 12/22/25  
SHEET SIZE SCALE  
24" X 36" 1" = 80'  
SHEET 1 OF 1

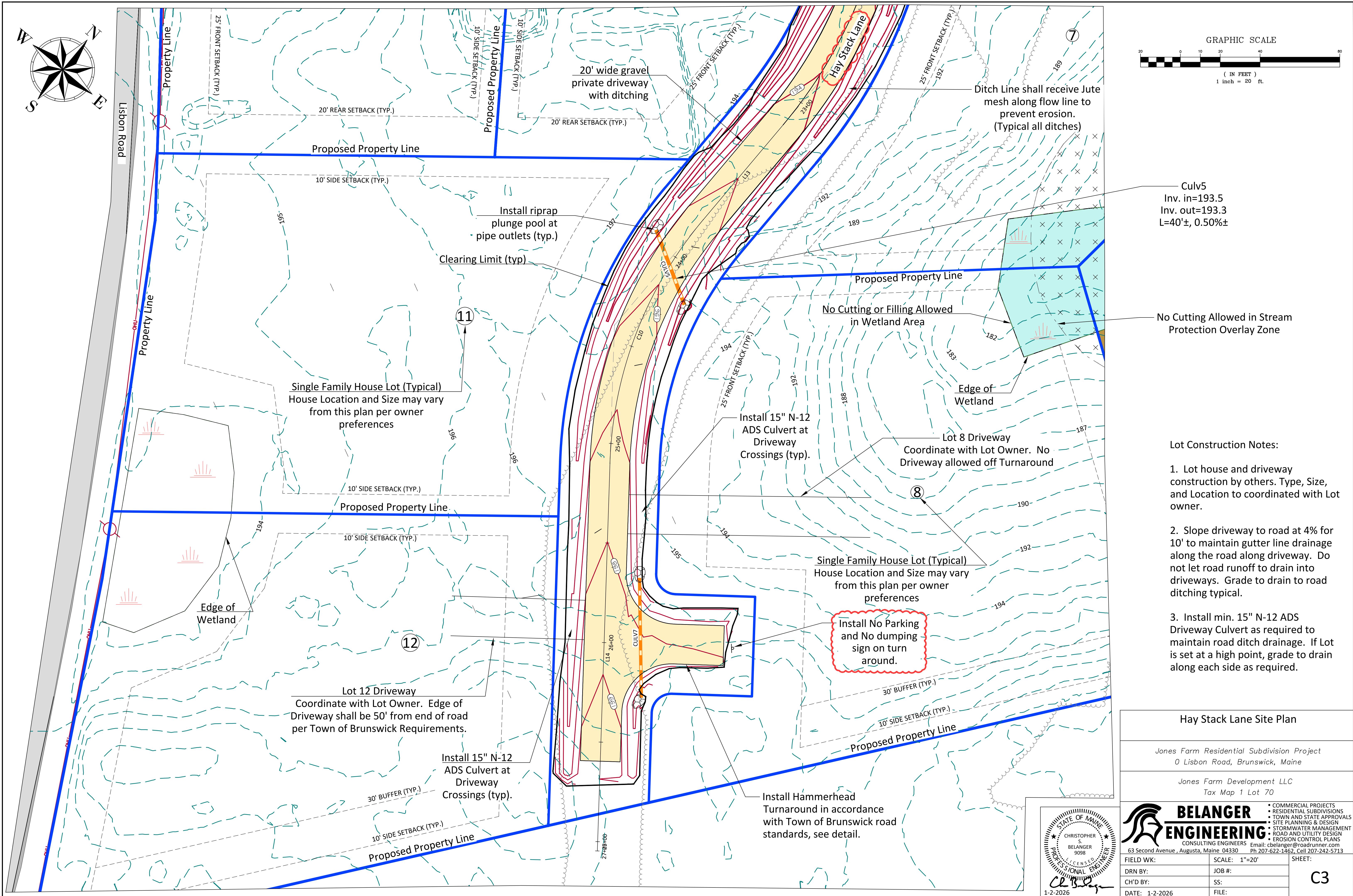


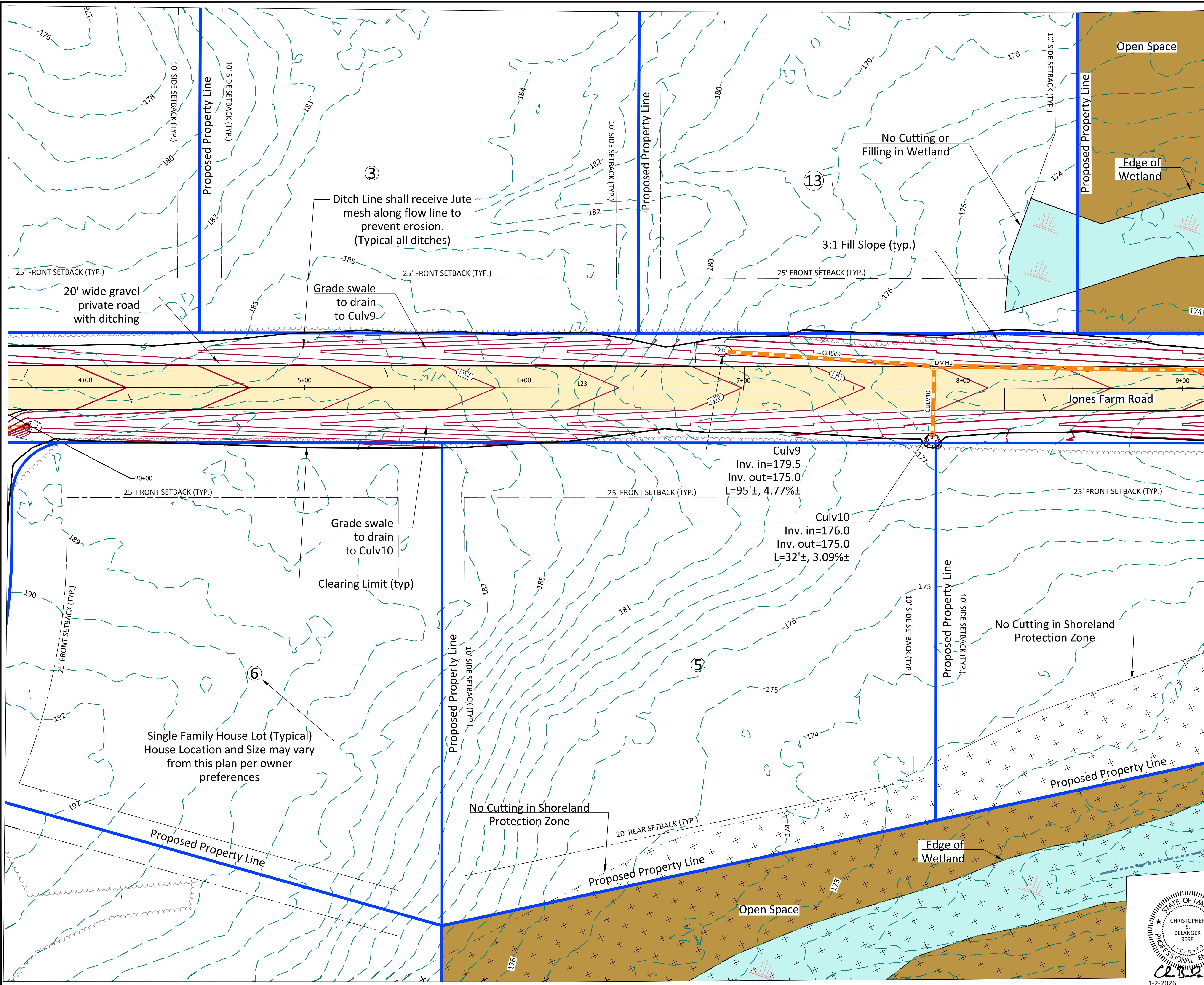
RECORD OWNER:  
JONES FARM ESTATE, LLC  
BOOK 38007, PAGE 234

REV: BY: DATE:  
SEAN P. PIERCE, PLS 2517  
PROFESSIONAL LAND SURVEYOR  
2517  
SEAN P. PIERCE, PLS 2517  
STATE OF MAINE  
SEAN P. PIERCE  
2517  
PROFESSIONAL LAND SURVEYOR  
2517  
REVIEWED WITHOUT WRITTEN PERMISSION  
ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK.







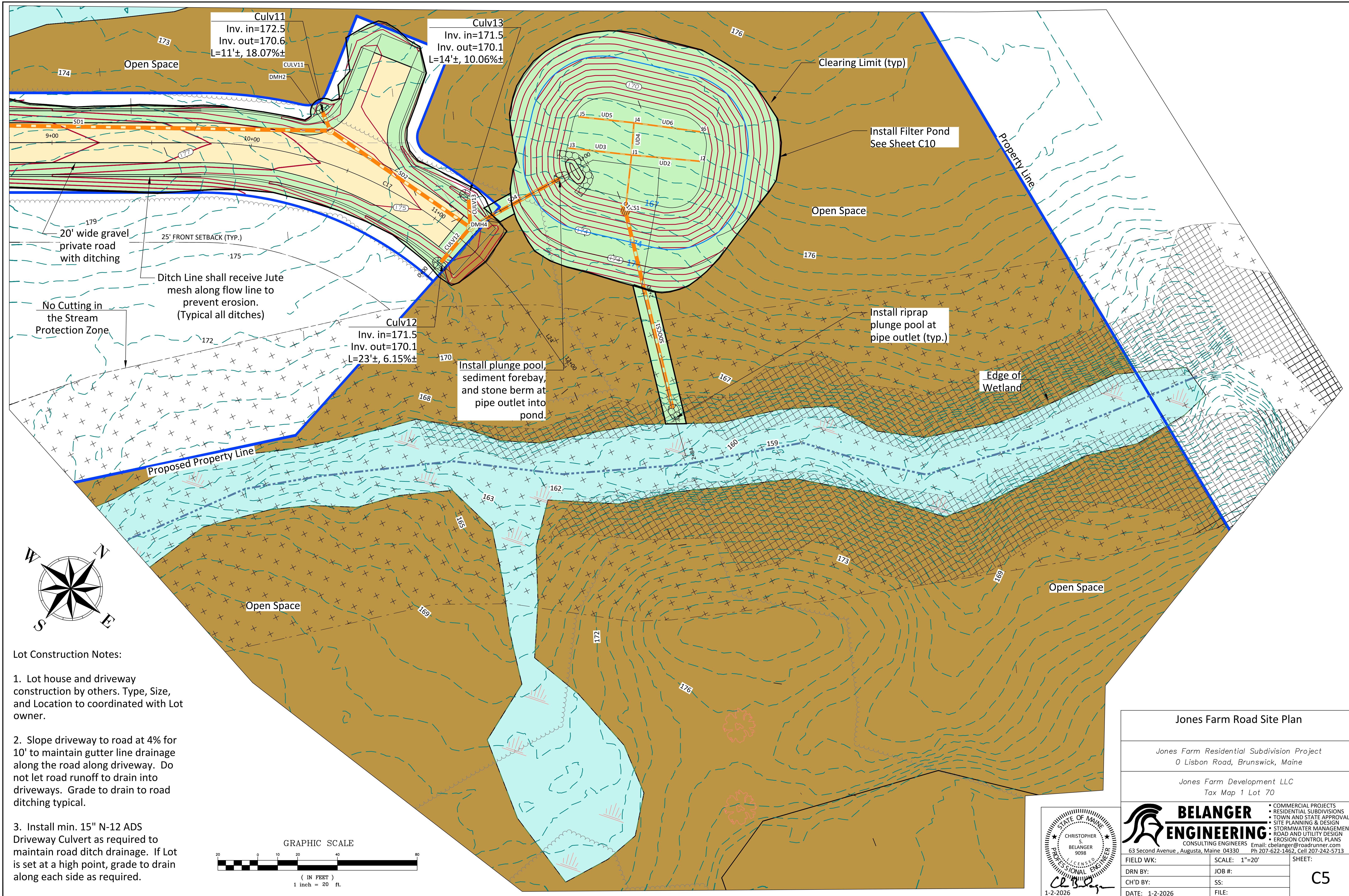


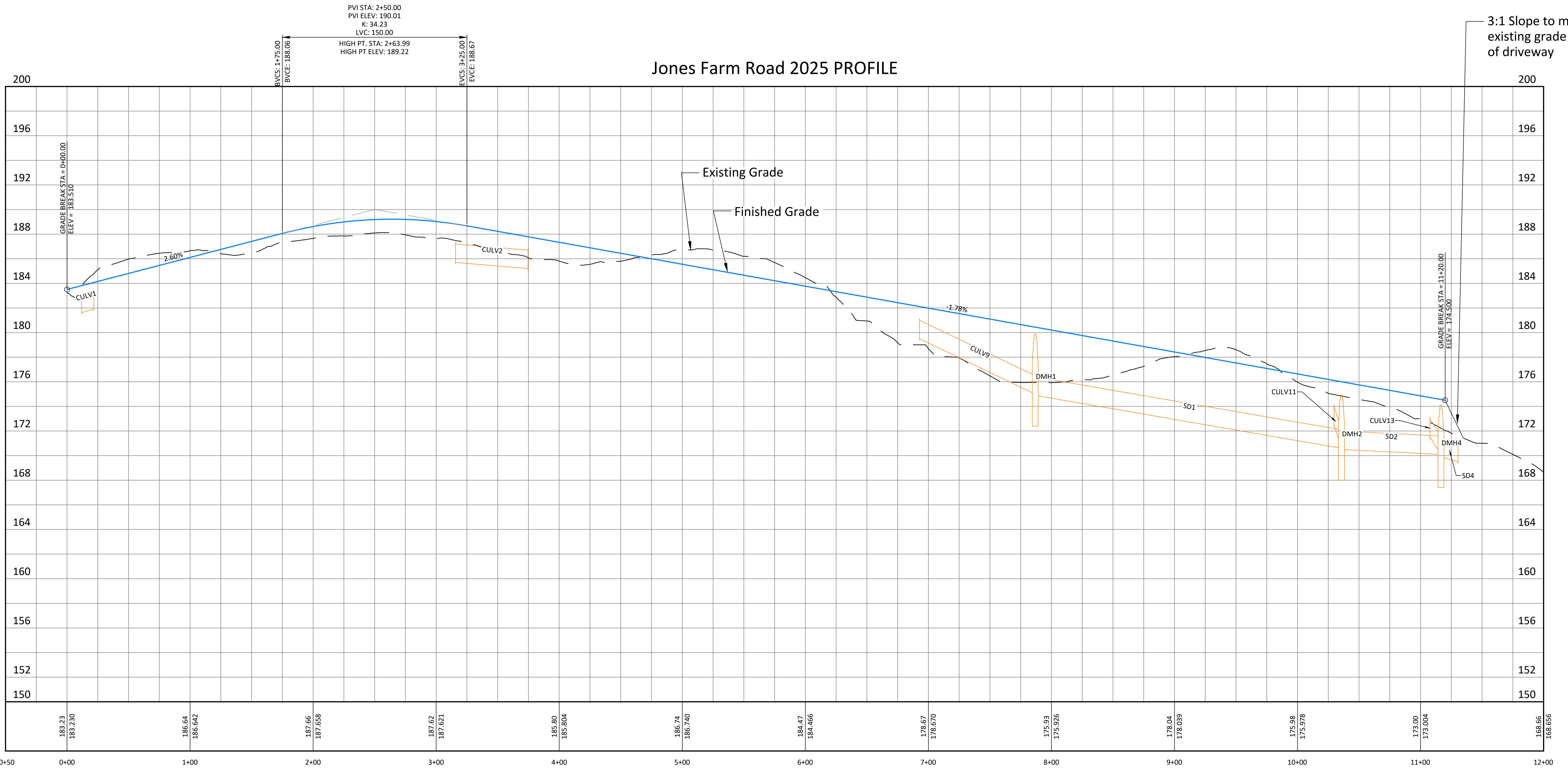
Lot Construction Notes:

1. Lot house and driveway construction by others. Type, Size, and Location to coordinate with Lot owner.

2. Slope driveway to road at 4% for 10' to maintain gutter line drainage along the road along driveway. Do not let road runoff to drain into driveways. Grade to drain to road ditching typical.

3. Install min. 15" N-12 ADS Driveway Culvert as required to maintain road ditch drainage. If Lot is set at a high point, grade to drain along each side as required.



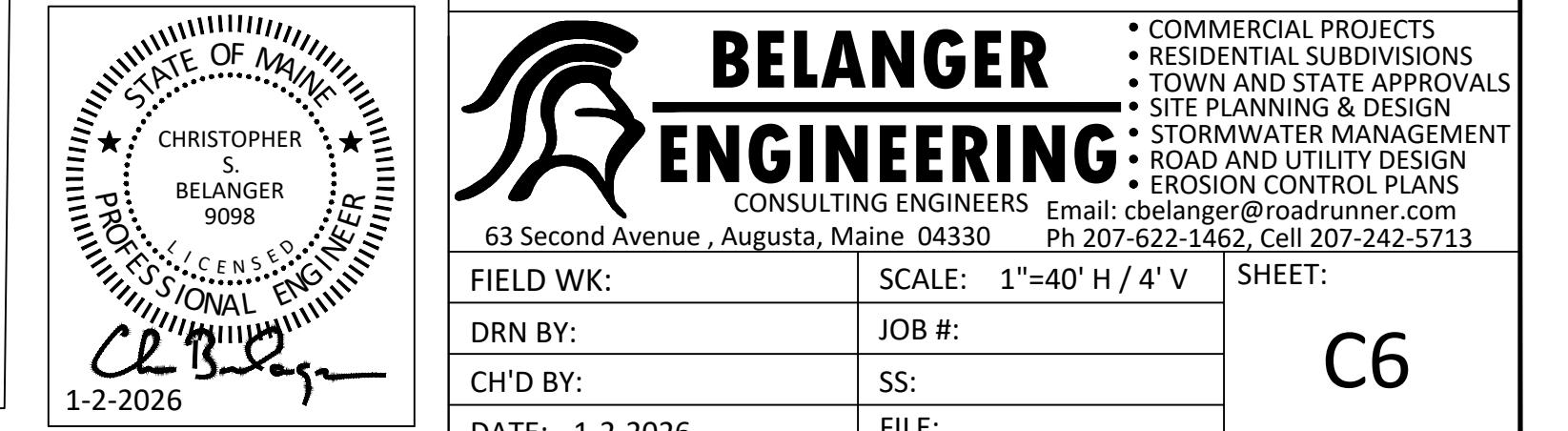


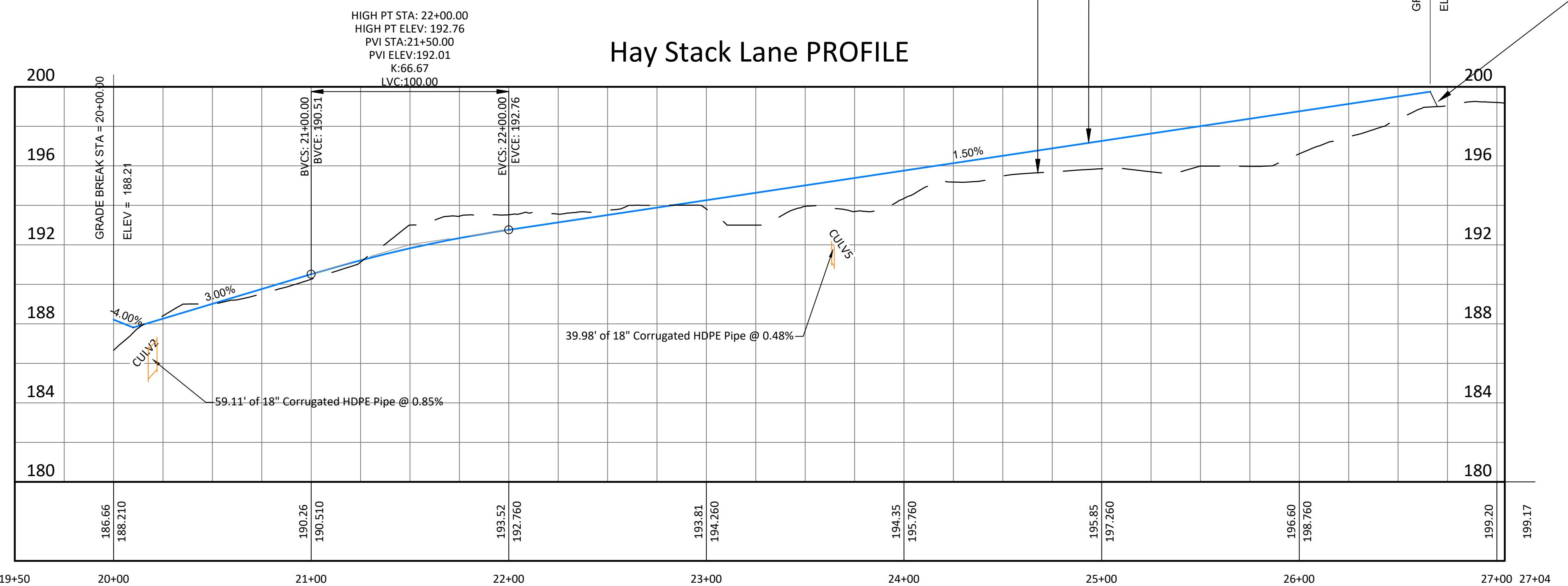
3:1 Slope to match  
existing grade at end  
of driveway

Jones Farm Road Profile

Jones Farm Residential Subdivision Project  
0 Lisbon Road, Brunswick, Maine

Jones Farm Development LLC  
Tax Map 1 Lot 70





## Structure Table Key

### Structure Table Key

### ECB EXISTING CATCH BASIN

## **EXISTING CATCH BASIN DMH DRAIN MANHOLE**

## OCS POND OUT

FI FIELD INLET  
J PIPE JUNCTION, CHANGE IN DIRECTION,  
ELBOW, TEE, WYE, CLEANOUT, ETC.  
(SEE PLANS)

(SEE PLANS)

**FD FOOTING/FOUNDATION DRAIN**  
**RUD ROAD UNDERDRAIN PERFORATED**

RUD ROAD UNDERD.  
HD PERFORATED HD

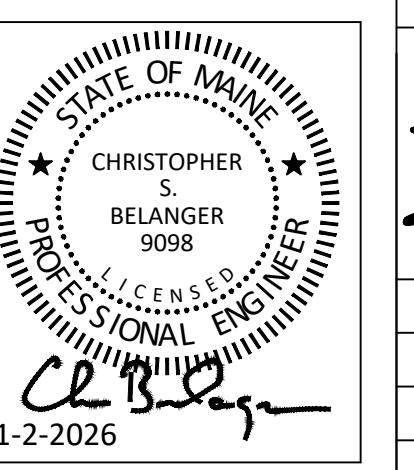
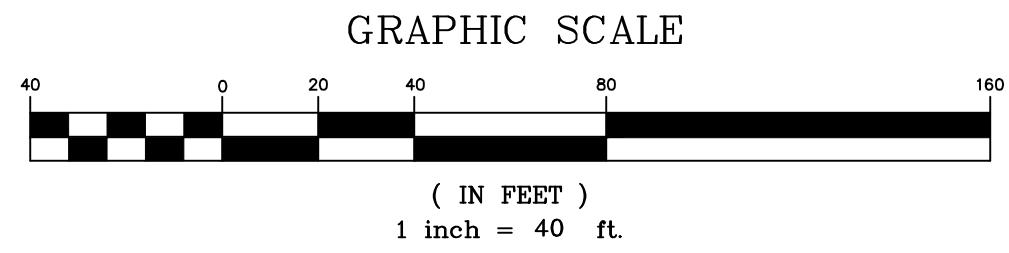
UD PERFORATED UNDER  
SD STORM DRAIN

**SD** STORM DRA  
**SP** SELMER PIPE

**SP SEWER PIPE**

## ESP EXISTING SEWER PIPE

Storm Drain Pipe Table						
NAME	SIZE	LENGTH	SLOPE			MATERIAL
CULV1	18"	43.06'	0.63%	INV IN=181.900	INV OUT=181.628	N-12 ADS
CULV2	18"	59.11'	0.85%	INV IN=185.700	INV OUT=185.200	N-12 ADS
CULV5	18"	39.98'	0.48%	INV IN=191.100	INV OUT=190.910	N-12 ADS
CULV7	15"	59.99'	0.67%	INV IN=196.500	INV OUT=196.100	N-12 ADS
CULV9	18"	94.27'	4.77%	INV IN=179.500	INV OUT=175.000	N-12 ADS
CULV10	18"	32.33'	3.09%	INV IN=176.000	INV OUT=175.000	N-12 ADS
CULV11	18"	10.51'	18.07%	INV IN=172.500	INV OUT=170.600	N-12 ADS
CULV12	18"	22.77'	6.15%	INV IN=171.500	INV OUT=170.100	N-12 ADS
CULV13	18"	13.92'	10.06%	INV IN=171.500	INV OUT=170.100	N-12 ADS
O1	4"	3.47'	0.00%	INV IN=168.500	INV OUT=168.500	3" N-12 ADS
SD1	18"	252.77'	1.70%	INV IN=174.900	INV OUT=170.600	N-12 ADS
SD2	18"	85.42'	0.47%	INV IN=170.500	INV OUT=170.100	N-12 ADS
SD4	18"	51.11'	0.78%	INV IN=169.900	INV OUT=169.500	N-12 ADS
SDOCS1	18"	101.91'	0.47%	INV IN=164.000	INV OUT=163.522	N-12 ADS
UD1	6"	28.17'	0.50%	INV IN=164.241	INV OUT=164.100	PERFORATED UNDERDRAIN
UD2	6"	34.11'	0.50%	INV IN=164.411	INV OUT=164.240	PERFORATED UNDERDRAIN
UD3	6"	31.63'	0.50%	INV IN=164.398	INV OUT=164.240	PERFORATED UNDERDRAIN
UD4	6"	16.23'	0.50%	INV IN=164.321	INV OUT=164.240	Install Cleanout - raise to grad
UD5	6"	27.77'	0.50%	INV IN=164.459	INV OUT=164.320	PERFORATED UNDERDRAIN
UD6	6"	33.54'	0.50%	INV IN=164.488	INV OUT=164.320	PERFORATED UNDERDRAIN



## Hay Stack Lane Road Profile

*Jones Farm Residential Subdivision Project  
0 Lisbon Road, Brunswick, Maine*

*Jones Farm Development LLC  
Tax Map 1 Lot 70*



# **BELANGER** **ENGINEERING**

CONSULTING ENGINEERS

Avenue , Augusta, Maine 04330

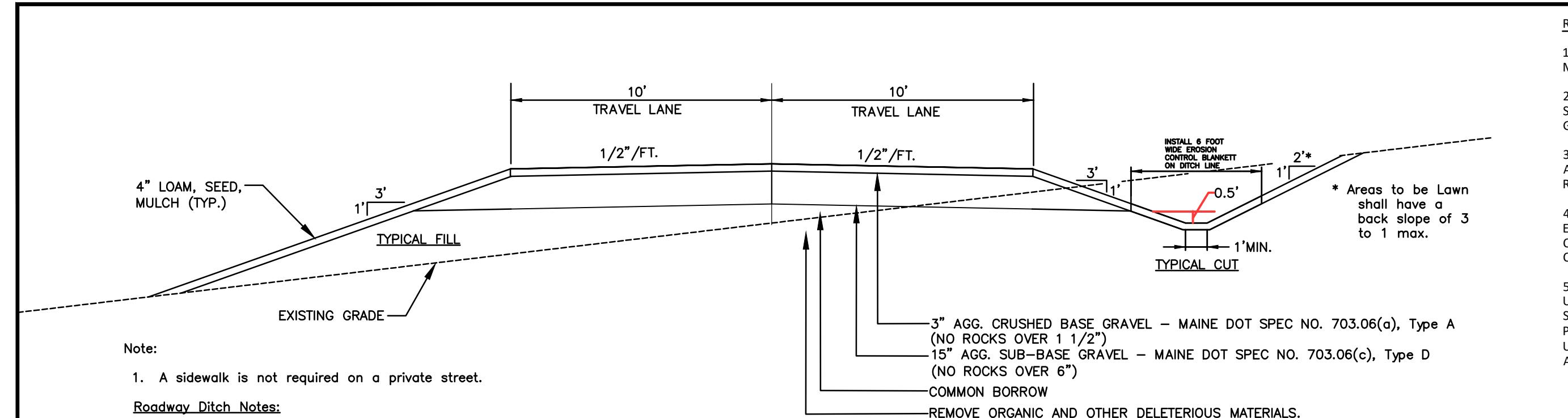
- COMMERCIAL PROJECTS
- RESIDENTIAL SUBDIVISIONS
- TOWN AND STATE APPROVALS
- SITE PLANNING & DESIGN
- STORMWATER MANAGEMENT
- ROAD AND UTILITY DESIGN
- EROSION CONTROL PLANS

Email: [cbelanger@roadrunner.com](mailto:cbelanger@roadrunner.com)  
Ph 207-622-1462, Cell 207-242-5713

	SCALE: 1"=40' H / 4' V	SHEET:
	JOB #:	
	SS:	
2026	FILE:	
		C7

C7





**ROAD CONSTRUCTION NOTES:**

1. IN FILL AREAS 3:1 SLOPES ARE TO BE USED UNLESS ENOUGH USEABLE WASTE MATERIAL HAS BEEN STOCKPILED TO USE 4:1 FILL SLOPES.
2. IN FILL AREAS THE GRANULAR MATERIAL TO BE USED SHALL CONFORM TO SECTION 703.19 OF THE STATE OF MAINE STANDARDS SPECIFICATIONS FOR GRANULAR BORROW.
3. UNDERDRAIN SHALL BE INSTALLED IN ALL AREAS WHERE LEDGE IS ENCOUNTERED AND DITCHING IS NOT AVAILABLE. CONTRACTOR SHALL ASSUME UNDERDRAIN IS REQUIRED IN CUT AND LEDGE CONDITIONS AND SHALL BE PART OF THE BASE BED.
4. INSTALL FABRIC (MIRAFI 500X) UNDER ROAD BASE WHEN SOFT CLAY IS ENCOUNTERED DURING CONSTRUCTION. WHEN FOUND CONTRACTOR SHALL CONTACT ENGINEER FOR SPECIFIC RECOMMENDATION BASED ON FIELD CONDITIONS.
5. CONTRACTOR MAY PERFORATE STORM DRAIN IF AVAILABLE TO SUBSTITUTE UNDERDRAIN ON THAT SIDE OF ROAD. UNDERDRAIN IS STILL REQUIRED ON OTHER SIDE OF ROAD TO MEET TOWN SPECIFICATION. INSTALL TYPE B UNDERDRAIN FOR 6" UNDERDRAIN IS USED (HOLE DOWN). TIE UNDERDRAIN INTO CATCH BASINS AS AVAILABLE OR OUTLET TO DITCH OR SWALE.
6. FAIRPOINT WILL SUPPLY THE CABLE AND LABOR TO INSTALL SAME.
7. A SEPARATION OF 12" HORIZONTAL OR VERTICAL MUST BE MAINTAINED BETWEEN FAIRPOINT AND ALL OTHER UTILITIES SUCH AS ELECTRIC, CABLE TV, OR OTHERS.

**FAIRPOINT NOTES:**

1. ALL CONSTRUCTION TO BE IN COMPLIANCE WITH FAIRPOINT CONSTRUCTION STANDARDS.
2. ALL TRENCHING, CONDUIT AND BACK FILLING IS THE CONTRACTOR'S RESPONSIBILITY.
3. ALL CABLES SHALL BE IN CONDUIT UNDER ALL PAVED ROADS, DRIVEWAYS AND WALKWAYS. 4" FOR THE MAIN CABLE AND 2" FOR SERVICE WIRES.
4. CONDUITS FOR SERVICE WIRES SHOULD BE INSTALLED AT ALL LOCATIONS WHERE REQUIRED DURING THE INITIAL INSTALLATION OF THE MAIN CABLE.
5. THE TRENCH MUST BE FILLED WITH "SUITABLE" BACK FILL, I.E., SAND BACK FILL WITH NO STONE LARGER THAN 1/4" IN DIAMETER.
6. FAIRPOINT WILL SUPPLY THE CABLE AND LABOR TO INSTALL SAME.

**PAVING, GRADING & DRAINAGE NOTES:**

1. VERTICAL DATUM IS DESCRIBED ON THE SURVEY AND SUBDIVISION PLANS. BENCHMARK LOCATIONS ARE SPECIFIED ON SURVEY PLANS.
2. CLEARING LIMITS WILL BE FLAGGED BY THE SURVEYOR, ENGINEER AND THE OWNER. THE CONTRACTOR SHALL NOT CUT BEYOND THE LIMITS OR REMOVE A TREE DESIGNATED TO BE SAVED WITHOUT THE OWNER'S AND ENGINEER'S CONSENT.
3. ALL CURBS AND WALKS SHALL BE STAKED OUT BY THE CONTRACTOR AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. HOUSE SIDEWALKS TO BE 4' WIDE FROM DRIVEWAY TO THE FRONT DOOR AND SET BACK 4' FROM THE HOUSE. THE 5' WIDE ROAD SIDEWALK IS SHOWN ON THE PLAN.
4. DRIVEWAYS TO BE 24' WIDE AT THE GARAGE DOOR AND MAY TRANSITION TO 20' WIDTH AS APPROPRIATE TO MEET SITE CONDITIONS. GARAGE DOORS TO BE SET A MINIMUM OF 2' ABOVE THE FINAL ROAD PAVEMENT GRADE.

5. A MINIMUM OF 12" HORIZONTAL SPACING IS NECESSARY BETWEEN CABLES.
6. 4" CABLE & TELEPHONE SERVICE WILL BE CONSTRUCTED IN THE SAME TRENCH AS ELECTRIC.
7. THE ROAD CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ELECTRIC, TELEPHONE, & CABLE UP TO AND INCLUDING THE INSTALLATION OF JUNCTION BOXES AND TRANSFORMER PADS. THE ROAD CONTRACTOR SHALL INSTALL ANY ADDITIONAL CONDUCTOR NEEDED WHERE INDIVIDUAL SERVICES CROSS THE ROADWAY. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO EXTEND INDIVIDUAL SERVICES FROM THE TRANSFORMER PAD TO THE BUILDING. THE SITE CONTRACTOR IS REQUIRED TO INSTALL CONDUIT AT ALL PAVEMENT CROSSINGS OTHER THAN THE ROADWAY.
8. THE ROADWAY CONTRACTOR SHALL SET UP A SCOPING MEETING WITH THE SITE CONTRACTOR TO CONFIRM LIMITS OF WORK, SCHEDULING, AND CONSTRUCTION SEQUENCE BEFORE CONSTRUCTION.

**CMP NOTES:**

1. THE PROPOSED DISTRIBUTION SYSTEM PLAN SHALL BE COORDINATED WITH CENTRAL MAINE POWER COMPANY.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CMP'S CONSTRUCTION STANDARDS AND THE LATEST REVISION OF THE NATIONAL ELECTRICAL SAFETY CODE.
3. ALL TRENCHING, CONDUIT AND BACK FILLING IS THE CONTRACTOR'S RESPONSIBILITY.

4. CONDUITS SHALL BE A MINIMUM OF SCHEDULE 40 PVC OR EQUIVALENT.

5. ALL CABLES SHALL BE IN CONDUIT UNDER ALL PAVED AREAS, ROADWAYS, AND DRIVEWAYS. PRIMARY CABLES ARE TO BE INSTALLED IN CONDUIT IF DRIVEWAYS ARE NOT ROUGH GRADED.

6. CONDUITS FOR SECONDARY CABLES SHOULD BE INSTALLED AT ALL LOCATIONS WHERE REQUIRED DURING THE INITIAL INSTALLATION OF THE PRIMARY CABLE.

7. PRIMARY CABLE TO BE #2 AL 15 KV.

8. SEE CMP'S CONTRACTOR HANDBOOK, SECTION IX, PARAGRAPHS 910, 911, AND 912 FOR SPECIFICATIONS ON BACK-FILL MATERIALS AND DEPTHS, ETC.

9. ALL TRANSFORMER PADS MUST BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. PAD DESIGNS MUST CONFORM TO CMP SPECIFICATIONS. SEE ILLUSTRATIONS NO. 19, NO. 20, NO. 21 IN SECTION XI OF THE CONTRACTOR'S HANDBOOK.

10. ALL JUNCTION BOXES WILL BE PURCHASED AND INSTALLED BY THE CONTRACTOR. CMP WILL PROVIDE THE JUNCTION BOX, HOWEVER, THE EXCESS COST WILL BE BILLED TO THE OWNER. FIBERGLASS OR CONCRETE PADS REQUIRED FOR STEEL CABINETS AND JUNCTION BOXES.

11. CMP WILL SUPPLY THE CABLE, TRANSFORMERS AND LABOR TO INSTALL SAME.

12. ALL METERING ENCLOSURES WILL BE PUNCHED AND INSTALLED BY THE CONTRACTOR.

13. A SEPARATION OF 12" MUST BE MAINTAINED BETWEEN CMP AND ALL OTHER UTILITIES AND/OR TELEPHONE, CABLE ETC.

**CABLE TV NOTES:**

1. ALL TRENCHING, CONDUIT & BACK FILLING IS THE CONTRACTOR'S RESPONSIBILITY.

2. CONDUITS SHALL BE SCHEDULE 40 PVC AND WILL BE ROPED WITH 1/4" ROPE.

3. ALL CABLES SHALL BE IN CONDUIT UNDER ALL PAVED ROADS, DRIVEWAYS AND WALKWAYS AS NOTED OR SHOWN ON THE PLAN; 4" FOR THE MAIN CABLE AND 2" FOR THE SERVICE WIRES.

4. CONDUITS FOR SERVICE WIRES SHOULD BE INSTALLED AT ALL LOCATIONS WHERE REQUIRED DURING THE INSTALLATION OF THE MAIN CABLE.

5. THE CABLE COMPANY WILL SUPPLY THE MAIN CABLE AND PEDESTALS AND THE LABOR TO INSTALL SAME.

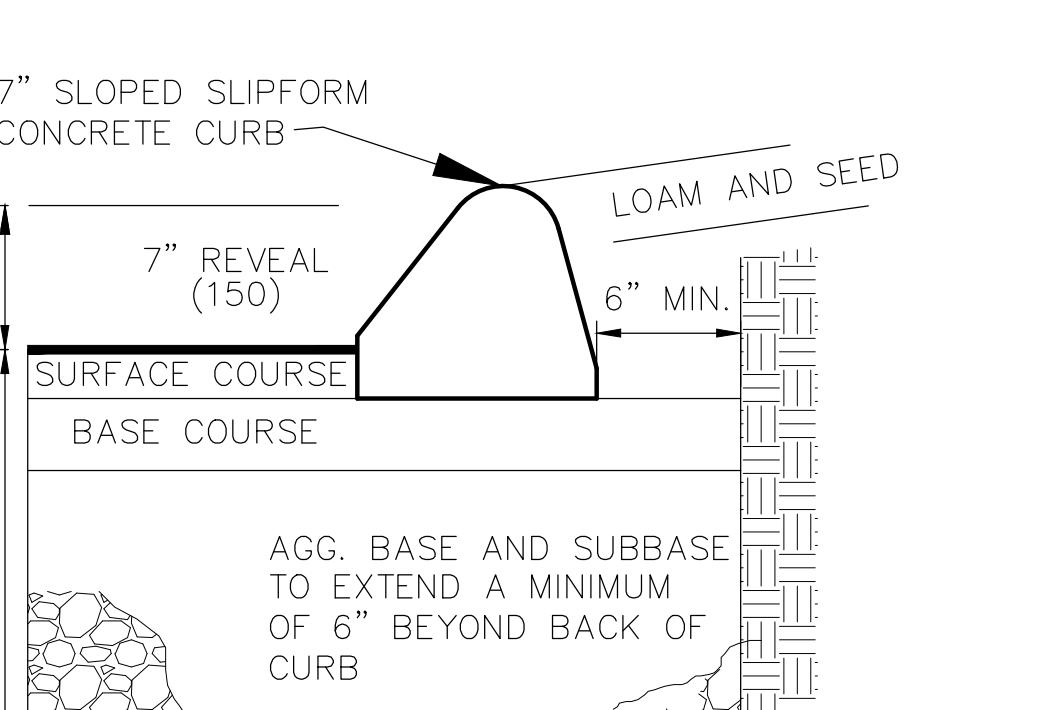
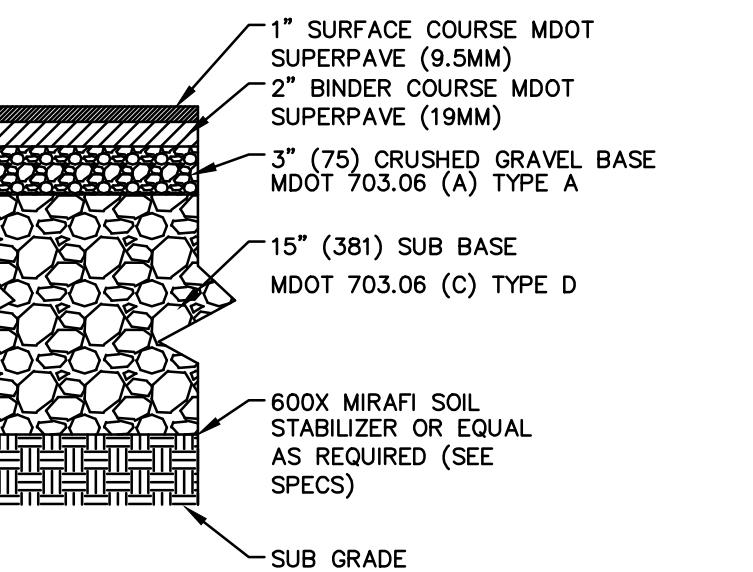
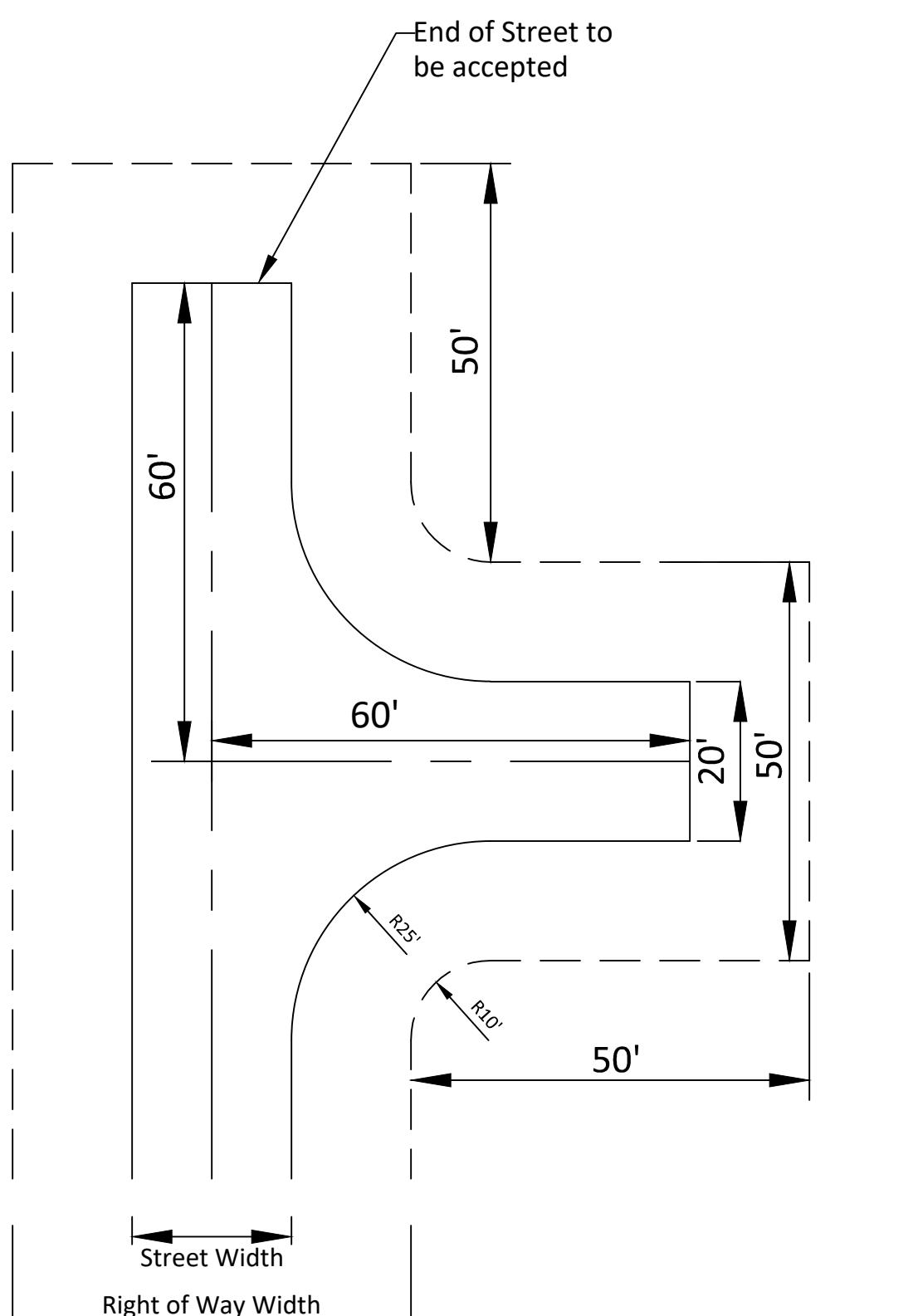
6. THE CABLE COMPANY WILL SUPPLY THE SERVICE WIRES.

7. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE CABLE COMPANY FOR INTERNAL WIRING SPECIFICATIONS AND SERVICE WIRE INSTALLATIONS.

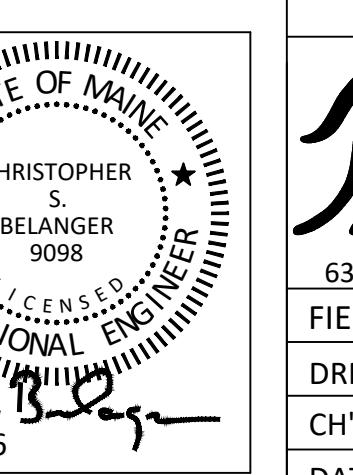
8. ALL SERVICE WIRE INSTALLATIONS AND INTERIOR WIRING SHALL CONFORM TO THE CABLE COMPANY SPECIFICATIONS.

9. A SEPARATION OF 12" HORIZONTAL OR VERTICAL MUST BE MAINTAINED BETWEEN THE CABLE COMPANY AND ALL OTHER UTILITIES SUCH AS ELECTRIC, TELEPHONE OR OTHERS.

10. CONTRACTOR SHALL EXPOSE GROUND ROD AT ALL PAD LOCATIONS TO INSURE PROPER GROUNDING FOR THE CABLE COMPANY.



<b>PROGRESS PLAN NOT FOR CONSTRUCTION</b>	
THIS DOCUMENT IS ISSUED FOR INFORMATIONAL PURPOSES ONLY. THE DATA SHOWN HEREON IS SUBJECT TO REVISION.	



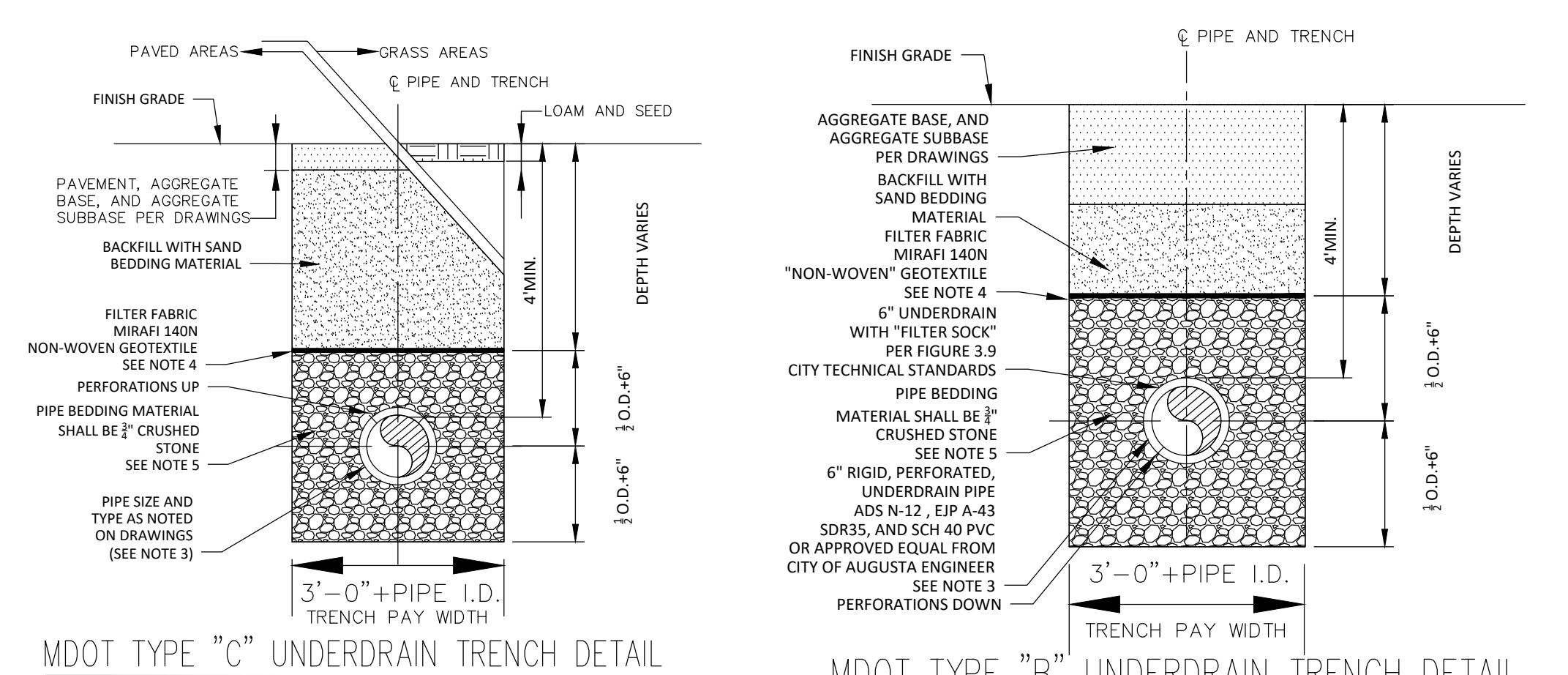
**Roadway Sections and Details**

Jones Farm Residential Subdivision Project  
0 Lisbon Road, Brunswick, Maine

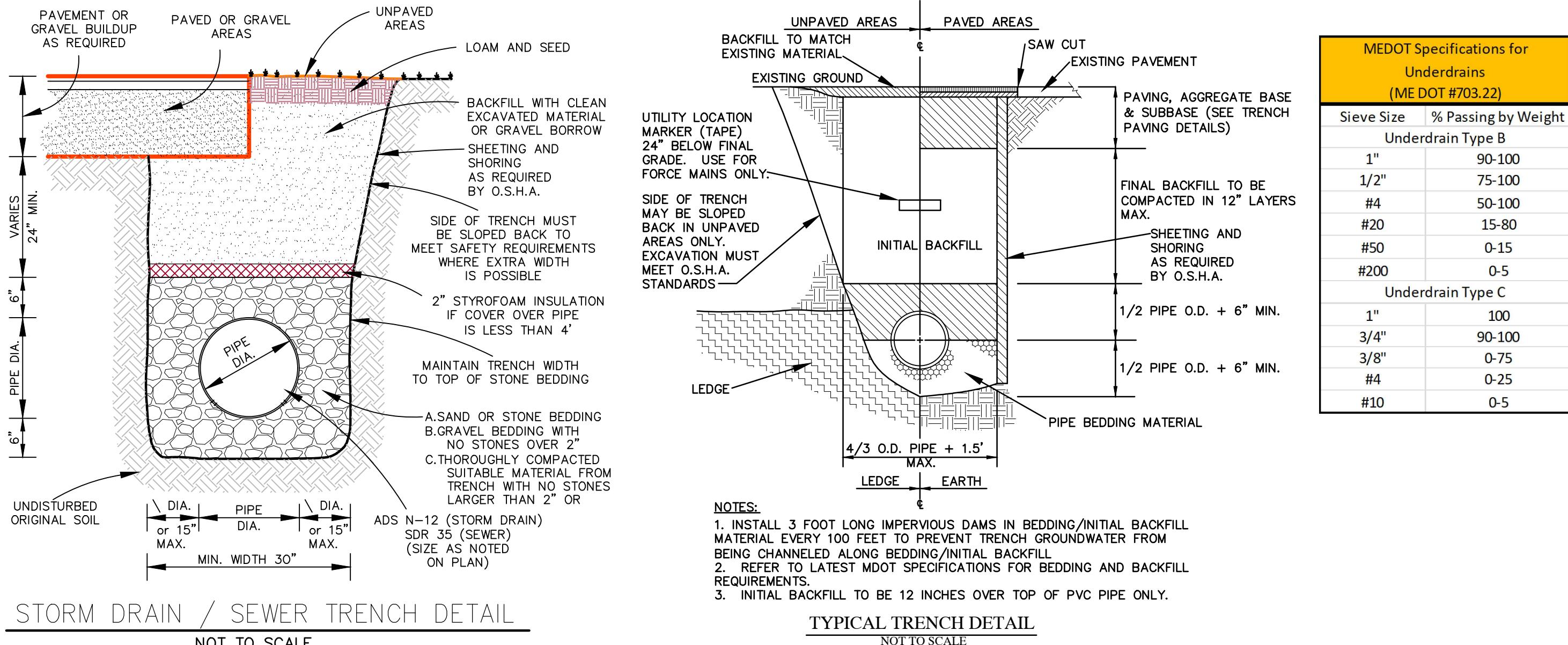
Jones Farm Estates LLC  
Tax Map 1 Lot 70

**BELANGER**  
ENGINEERING  
CONSULTING ENGINEERS  
Email: cbelanger@roadrunner.com  
Ph: 207-622-462, Cell 207-242-5713

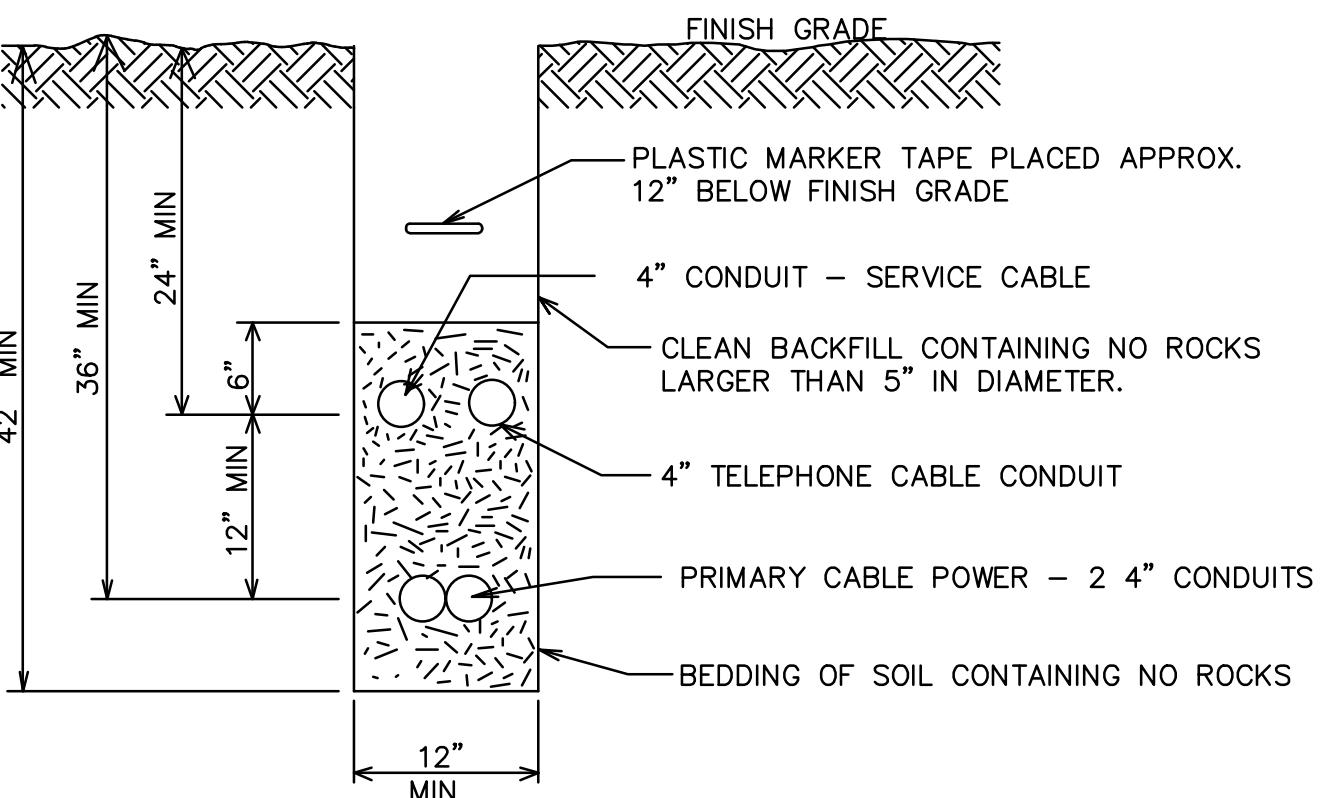
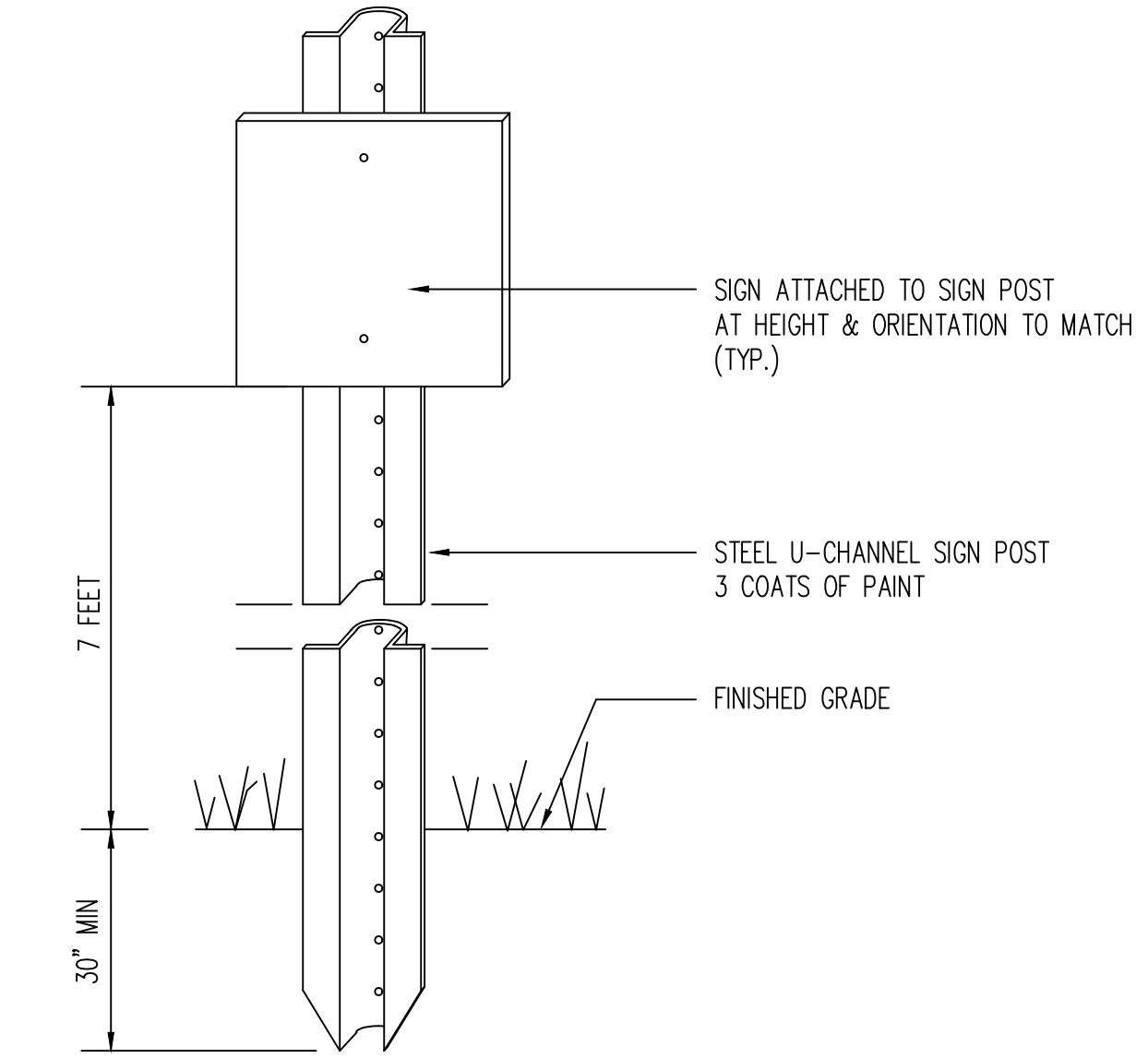
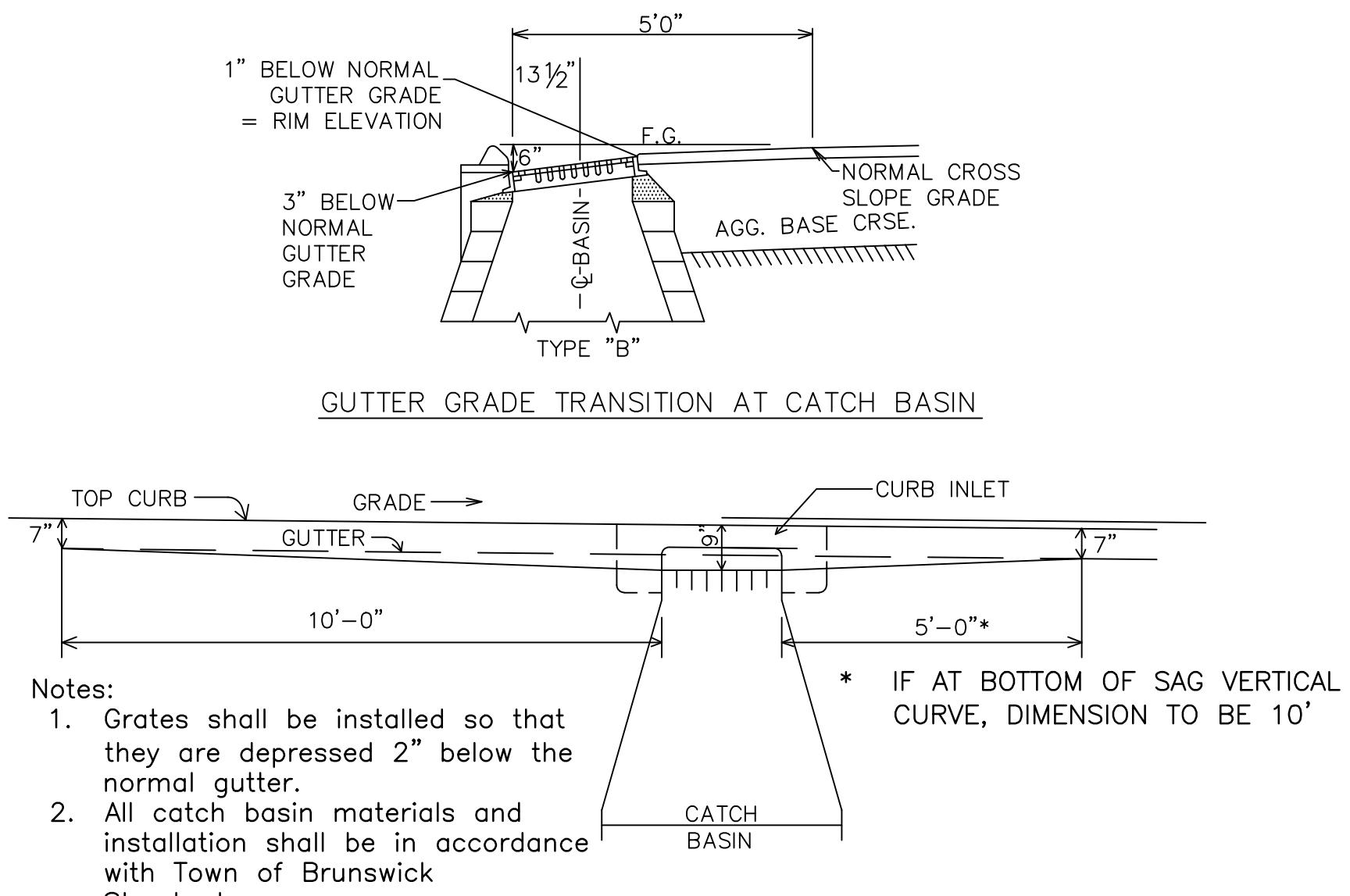
FIELD WK:	SCALE:
DRN BY: CSB	JOB #: 162
CH'D BY: CSB	SS:
DATE: 1-2-2026	FILE:



NOT TO SCALE

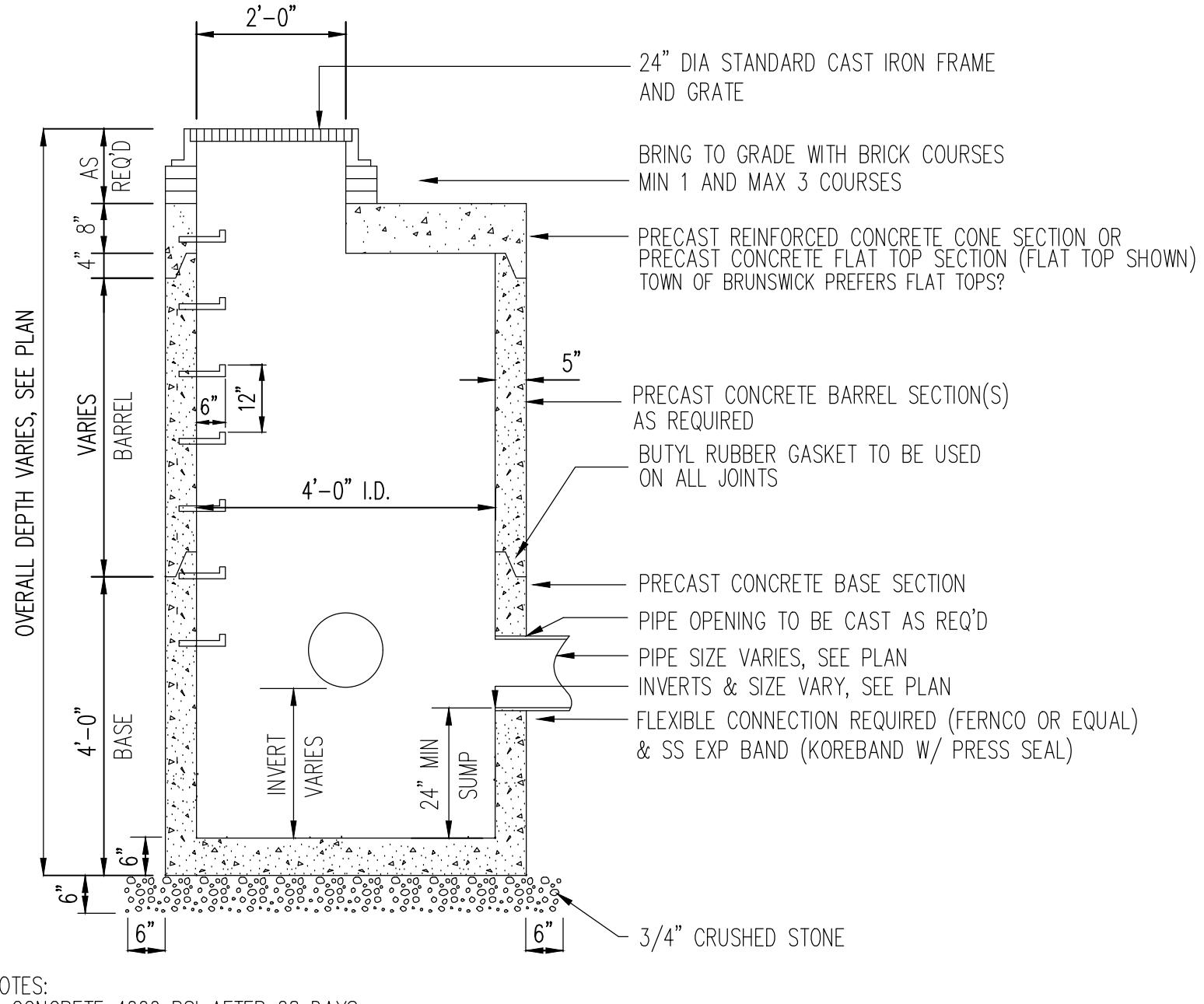


MEDOT Specifications for Underdrains (MDOT #703.22)	
Sieve Size	
1"	90-100
1/2"	75-100
#4	50-100
#20	15-80
#50	0-15
#200	0-5
Underdrain Type B	
1"	90-100
1/2"	75-100
3/4"	90-100
3/8"	0-75
#4	0-25
#10	0-5
Underdrain Type C	
1"	100
3/4"	90-100
3/8"	0-75
#4	0-25
#10	0-5



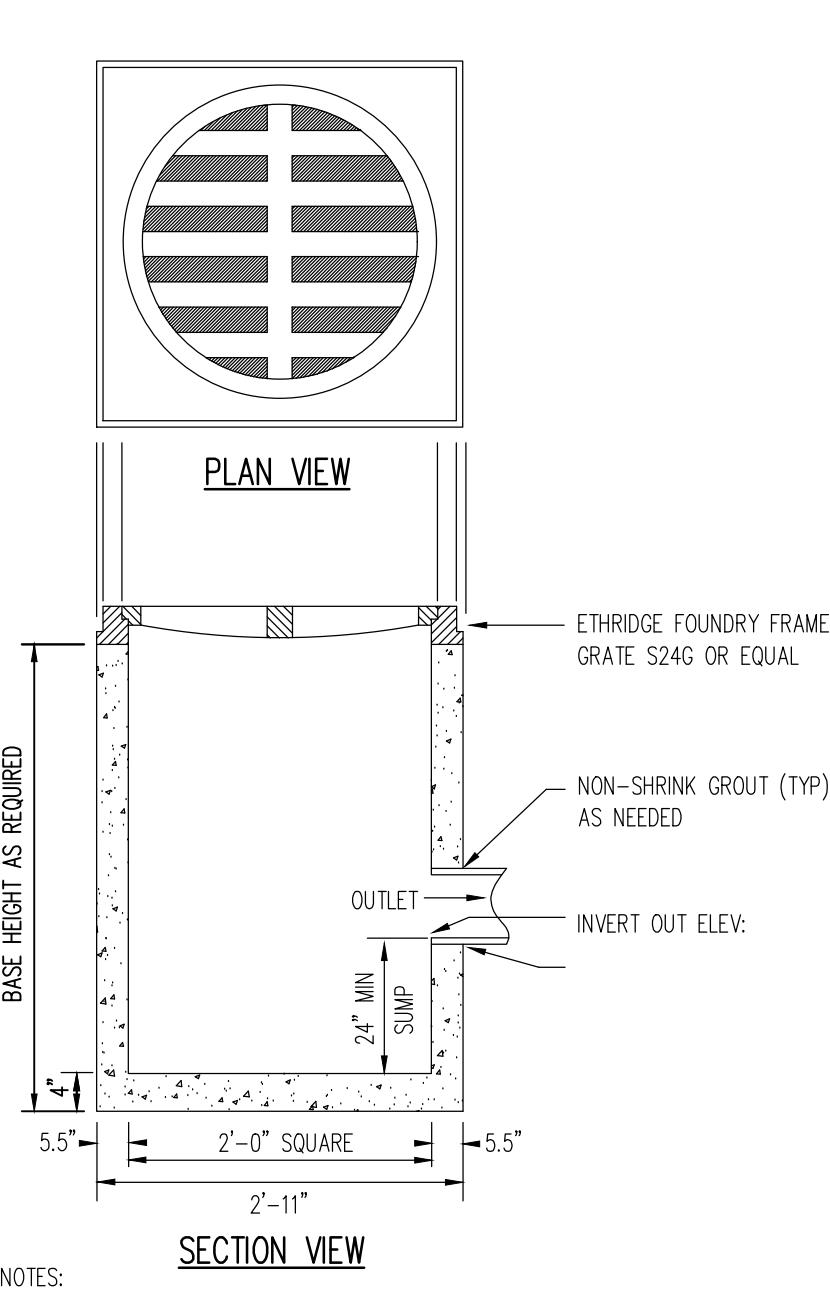
### TYPICAL ELECTRICAL TRENCH

NOT TO SCALE



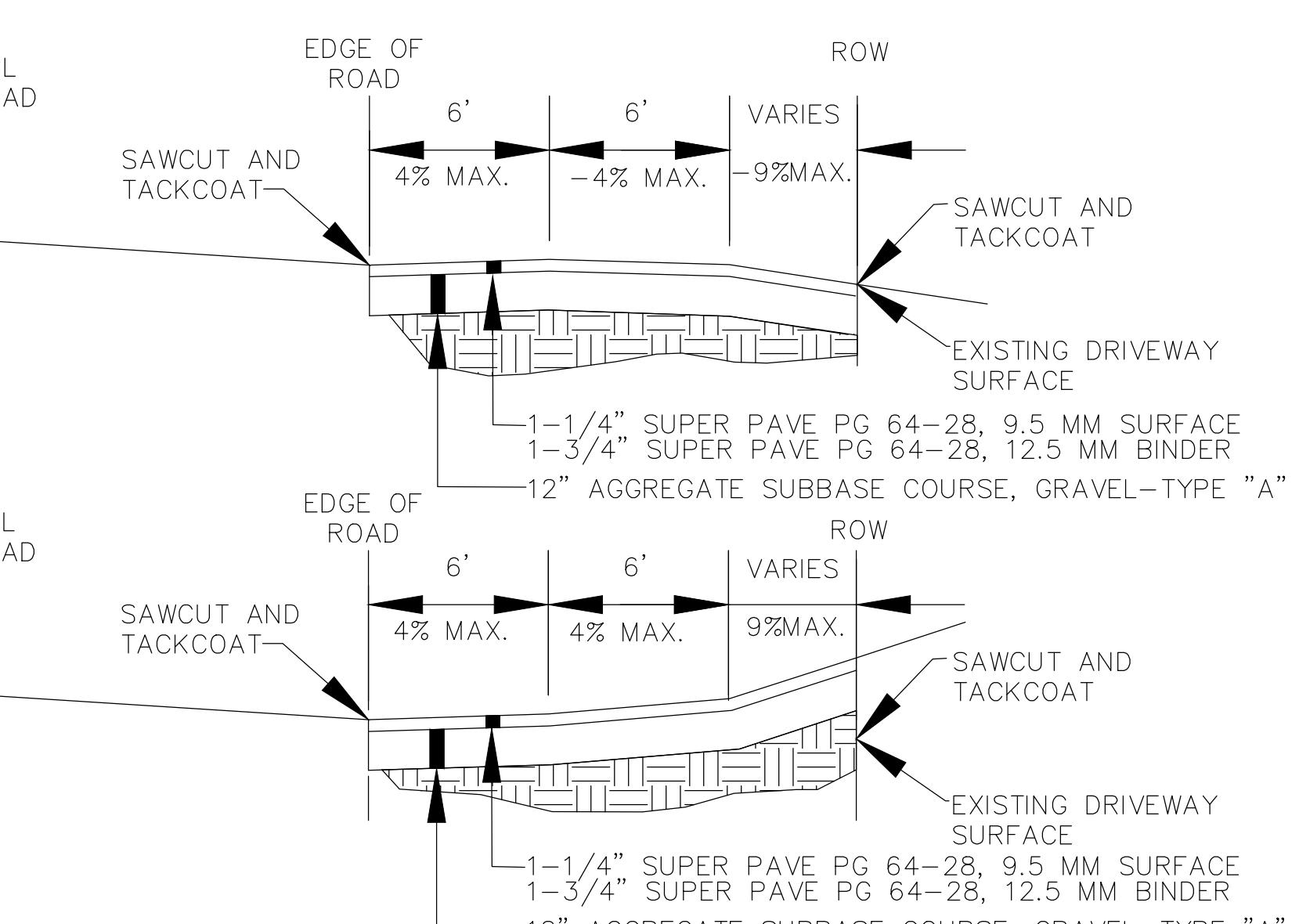
### PRECAST CONCRETE CATCH BASIN-FLAT TOP

NOT TO SCALE



### FIELD INLET

NOT TO SCALE

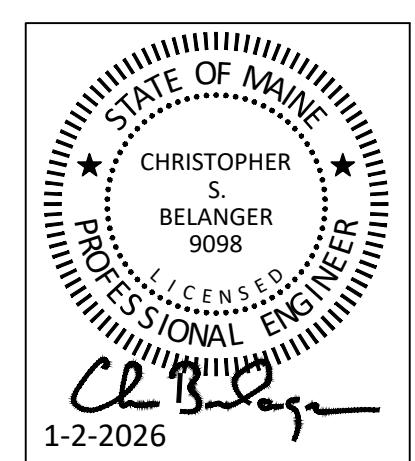


### DRIVEWAY APRON DETAIL

NOT TO SCALE (Lot Driveways by others - maintain road drainage)

PROGRESS PLAN  
NOT FOR CONSTRUCTION

THIS DOCUMENT IS ISSUED FOR INFORMATIONAL PURPOSES ONLY.  
THE DATA SHOWN HEREON IS SUBJECT TO REVISION.



### Civil Details

Jones Farm Residential Subdivision Project  
0 Lisbon Road, Brunswick, Maine

Jones Farm Estates LLC  
Tax Map 1 Lot 70

**BELANGER**  
ENGINEERING  
CONSULTING ENGINEERS Email: cbelanger@cadrunner.com  
• COMMERCIAL PROJECTS • RESIDENTIAL SUBDIVISIONS  
• TOWN AND STATE APPROVALS • SITE PLANNING & DESIGN  
• STORMWATER MANAGEMENT • ROAD DESIGN  
• EROSION CONTROL PLANS • CAD DESIGN  
• ETC.

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• EROSION CONTROL PLANS • CAD DESIGN  
• ETC.

C10

**CONSTRUCTION PLAN**

**EROSION AND SEDIMENTATION NOTES:**

1. The Site Contractor shall follow the "Maine Erosion and Sediment Control BMPs" published by the Maine DEP in 2003 and the "Maine Erosion and Sediment Control Practices Field Guide for Contractors published in 2015". The manuals can be found on the Maine DEP web site. A Link to the field guide is shown below:  
<http://www.maine.gov/dep/land/erosion/escbmcps/index.html>

THE CONTRACTOR SHALL ALSO FOLLOW THE GUIDELINES LISTED IN APPENDICES A, B, C IN MAINE DEP CHAPTER 500 RULES.

**GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES:**

**EROSION/SEDIMENT CONTROL DEVICES:**

THE FOLLOWING EROSION SEDIMENTATION CONTROL DEVICES ARE PROPOSED FOR CONSTRUCTION ON THIS PROJECT. INSTALL THESE DEVICES AS INDICATED ON THE PLANS.

1. SILT FENCE: SILT FENCE WILL BE INSTALLED ALONG THE DOWN GRADING EDGES OF DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL THE SITE IS STABILIZED. IN AREAS WHERE STORMWATER DISCHARGES THE SILT FENCE WILL BE REINFORCED WITH HAY BALES TO HELP MAINTAIN THE INTEGRITY OF THE SILT FENCE AND TO PROVIDE ADDITIONAL TREATMENT.

2. HAY BALES: HAY BALES TO BE PLACED IN LOW FLOW DRAINAGE SWALES AND PATHS TO TRAP SEDIMENT AND REDUCE RUNOFF VELOCITIES. DO NOT PLACE HAY BALES IN FLOWING WATER OR STREAMS.

3. RIPRAP: PROVIDE RIPRAP IN AREAS WHERE CULVERTS DISCHARGE OR AS SHOWN ON THE PLANS.

4. LOAM, SEED, & MULCH: ALL DISTURBED AREAS, WHICH ARE NOT OTHERWISE TREATED, SHALL RECEIVE PERMANENT SEEDING AND MULCH TO STABILIZE THE DISTURBED AREAS. THE DISTURBED AREAS WILL BE REVEGETATED WITHIN 5 DAYS OF FINAL GRADING. SEEDING REQUIREMENTS ARE PROVIDED AT THE END OF THIS SPECIFICATION.

5. STRAW AND HAY MULCH: USED TO COVER DENUDED AREAS UNTIL PERMANENT SEED OR EROSION CONTROL MEASURES ARE IN PLACE. MULCH BY ITSELF CAN BE USED ON SLOPES LESS THAN 15% IN SUMMER AND 8% IN WINTER. JUTE MESH IS TO BE USED OVER MULCH ONLY. CURLEX II AND EXCELSIOR MAY BE USED IN PLACE OF JUTE MESH OVER MULCH.

6. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.

**TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES:**

PROVIDE THE FOLLOWING TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION OF THE DEVELOPMENT:

1. SILTATION FENCE ALONG THE DOWNGRADIENT SIDE OF THE PARKING AREAS AND OF ALL FILL SECTIONS. THE SILTATION FENCE WILL REMAIN IN PLACE UNTIL THE SITE IS 90% REVEGETATED. REMOVE SILTATION FENCE, WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED. REMOVE ANY ACCUMULATED SEDIMENT AND STABILIZE.

2. HAY BALES PLACED AT KEY LOCATIONS TO SUPPLEMENT THE SILT FENCE.

3. PROTECT TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION AS FOLLOWS:

A. SOIL STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2:1.

B. AVOID PLACING TEMPORARY STOCKPILES IN AREAS WITH SLOPES OVER 10 PERCENT, OR NEAR DRAINAGE SWALES. SEE ITEM 3 IN CONSTRUCTION PHASE NOTES BELOW.

C. STABILIZE STOCKPILES WITHIN 15 DAYS BY TEMPORARILY SEEDING WITH A HYDROSEED MEDIUM CONTAINING AN EMULSIFIED MULCH TACKIFIER OR BY COVERING THE STOCKPILE WITH MULCH.

D. SURROUND STOCKPILE SOIL WITH SILTATION FENCE AT BASE OF PILE.

4. ALL DENUDED AREAS WHICH HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN THE BUILDING PAD, OR PARKING AND DRIVEWAY SUBBASE AREA THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS SHALL RECEIVE MULCH OR NON-ERODABLE COVER. STABILIZE AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OR THE SOIL OR PRIOR TO ANY STORM EVENT, WHENEVER COMES FIRST. IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM AND SOD WITHIN THE TIME PERIODS PRESENTED ABOVE, INSTALLATION OF MULCH AND NETTING, WHERE APPLICABLE, IS NOT REQUIRED.

5. IF WORK IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL DENUDED AREAS ARE TO BE COVERED WITH HAY MULCH APPLIED AT LEAST ONE DAY BEFORE THE NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A 15 DAY MAXIMUM.

6. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

**PERMANENT EROSION CONTROL MEASURES:**

THE FOLLOWING PERMANENT CONTROL MEASURES ARE REQUIRED BY THIS EROSION/SEDIMENTATION CONTROL PLAN:

1. ALL AREAS DISTURBED DURING CONSTRUCTION, BUT NOT SUBJECT TO OTHER RESTORATION (PAVING, RIPRAP, ETC.), WILL BE LOAMED, LIMED, FERTILIZED AND SEEDED. NATIVE TOPSOIL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION WHEN IT IS NOT AVAILABLE.

2. IF AREAS WILL NOT BE WORKED FOR MORE THAN ONE YEAR OR HAS BEEN BROUGHT TO FINAL GRADE, THEN PERMANENTLY STABILIZE THE AREA WITHIN 7 DAYS BY PLANTING VEGETATION, SEEDING, SOD, OR THROUGH THE USE OF PERMANENT MULCH, OR RIPRAP, OR ROAD SUB-BASE. IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, SOIL, AND MOISTURE CONDITIONS; AMEND AREAS OF DISTURBED SUBSOILS WITH TOPSOIL, COMPOST, OR FERTILIZERS; PROTECT SEEDS AREAS ANCHORED SUCH THAT SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SODDED, COVERED WITH GRAVEL (PARKING LOTS) OR STRUCTURAL SAND.

3. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED DURING PERIODS OF ABOVE FREEZING TEMPERATURES. THE SLOPES SHALL BE FIN GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1 AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. AREAS SHALL BE LEFT UNGRADED UNTIL THE WIDTH OF ANY EXPOSED EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SILT FENCE OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DORMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.

4. Mulch netting shall be used to anchor mulch in all drainage ways with a slope greater than 3% for slopes exposed to direct winds and for all other slopes greater than 8% vegetated drainage swales shall be lined with excelsior or curlex.

5. Agricultural use. For construction projects on land used for agricultural purposes (e.g., pipelines across crop land), permanent stabilization may be accomplished by returning the disturbed land to agricultural use.

6. Paved areas. For paved areas, permanent stabilization means the placement of the compacted gravel subbase is completed.

7. Ditches, channels, and swales. For open channels, permanent stabilization means the channel is stabilized with a 90% cover of healthy vegetation, with a well-graded riprap lining, or with another non-erosive lining such as concrete or asphalt pavement. There must be no evidence of slumping of the channel lining, or down-cutting of the channel.

8. Slopes greater than 2:1 will receive riprap.

**POST-CONSTRUCTION REVEGETATION:**

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION AS SOON AS AN AREA IS RELEASED TO DRAFT FINAL GRADING.

1. A MINIMUM OF 4" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE, OR STONE WILL BE PLACED ON SLOPES TO STABILIZE SURFACES.

2. IF FINAL GRADING IS REACHED DURING THE NORMAL GROWING SEASON (4/15 TO 9/15), PERMANENT SEEDING WILL BE DONE AS SPECIFIED BELOW OR AS REQUIRED BY THE TOWN ARBORIST. PRIOR TO SEEDING, LIMESTONE SHALL BE APPLIED AT A RATE OF 138 LBS/1000 SQ. FT. AND 10:20:20 FERTILIZER AT A RATE OF 18.4 LBS/1000 SQ.FT WILL BE APPLIED. BROADCAST SEEDING AT THE FOLLOWING RATES:

LAWNS SWALES

KENTUCKY BLUEGRASS 0.48 LBS/1000 SF. RED TOP 0.05 LBS/1000 SF.

CREEPING RED FESCUE 0.46 LBS/1000 SF. TALL FESCUE 0.46 LBS/1000 SF.

PERENNIAL RYE GRASS 0.11 LB/1000 SF.

**CONSTRUCTION PHASE:**

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.

1. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 7 DAYS, SEE ITEM NO. 4.

2. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SILT FENCING AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION. IMMEDIATELY FOLLOWING CONSTRUCTION OF CULVERTS AND SWALES, RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.

3. TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM THE EXISTING DRAINAGE COURSE. NO STOCKPILE SHALL BE CLOSER THAN 100' OF A RESOURCE INCLUDING, BUT NOT LIMITED TO, WETLANDS, STREAMS, AND OPEN WATER BODIES. ALL STOCKPILES SHALL HAVE A SILTATION FENCE BELOW THEM REGARDLESS OF TIME OF PRESENCE. ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 15 DAYS SHALL BE:

A. TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).

B. SEADED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.

C. INSTALL SILT FENCE AROUND STOCKPILE AT BASE OF PILE. STOCKPILES TO HAVE SILT FENCE INSTALLED AT TIME OF ESTABLISHMENT AT BASE OF PILE.

4. CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15, SHOULD SEEDING BE NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15, THE FOLLOWING PROCEDURE SHALL BE FOLLOWED. ALSO REFER TO NOTE 9 OF WINTER CONSTRUCTION.

A. ONLY UNFROZEN LOAM SHALL BE USED.

B. LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.

C. WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1000 SQ.FT) SHALL BE ADDED TO THE PREVIOUSLY NOTED AREA.

D. WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.6 LBS/1000 SQ. FT.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.

E. FERTILIZING, SEEDING AND MULCHING SHALL BE APPLIED TO LOAM THE DAY THE LOAM IS SPREAD BY MACHINERY.

F. ALTERNATIVE HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/Biodegradable NETTING. TRACTING BY MACHINERY ALONE WILL NOT SUFFICE.

5. FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 90% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE ENGINEER THAT THE EXISTING CATCH IS INADEQUATE.

**MONITORING SCHEDULE:**

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO. MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS FOLLOWS:

1. HAY BAILE BARRIERS, SILT FENCE, AND STONE CHECK DAMS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK OR IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREAS UNDERGOING FINAL GRADING. SHOULD THE HAY BAILE BARRIERS PROVE TO BE INEFFECTIVE, THE CONTRACTOR SHALL INSTALL SILT FENCE BEHIND THE HAY BALES.

2. VISUALLY INSPECT RIPRAP ONCE A WEEK OR AFTER EACH SIGNIFICANT RAINFALL AND REPAIR AS NEEDED. REMOVE SEDIMENT TRAPPED BEHIND THESE DEVICES ONCE IT ATTAINS A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE DAM OR RISER. DISTRIBUTE REMOVED SEDIMENT OFF-SITE OR TO AN AREA UNDERGOING FINAL GRADING.

3. REVEGETATION OF DISTURBED AREAS WITHIN 25' OF DRAINAGE COURSE/STREAM WILL BE SEEDED WITH THE "MEADOW AREA MIX" AND INSPECTED ON A WEEKLY BASIS OR AFTER EACH SIGNIFICANT RAINFALL AND RESEED AS NEEDED. EXPOSED AREAS WILL BE RESEED AS NEEDED UNTIL THE AREA HAS OBTAINED 100% GROWTH RATE. PROVIDE PERMANENT RIPRAP FOR SLOPES IN EXCESS OF 3:1 AND WITHIN 35' OF DRAINAGE COURSE.

4. ALL DENUDED AREAS WHICH HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN THE BUILDING PAD, OR PARKING AND DRIVEWAY SUBBASE AREA THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS SHALL RECEIVE MULCH OR NON-ERODABLE COVER. STABILIZE AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OR THE SOIL OR PRIOR TO ANY STORM EVENT, WHENEVER COMES FIRST. IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM AND SOD WITHIN THE TIME PERIODS PRESENTED ABOVE, INSTALLATION OF MULCH AND NETTING, WHERE APPLICABLE, IS NOT REQUIRED.

5. IF WORK IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL DENUDED AREAS ARE TO BE COVERED WITH HAY MULCH APPLIED AT LEAST ONE DAY BEFORE THE NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A 15 DAY MAXIMUM.

6. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

**EROSION CONTROL DURING WINTER CONSTRUCTION:**

1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.

2. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.

3. EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. AT THE END OF EACH WORK WEEK NO AREAS MAY BE LEFT UNSTABILIZED OVER THE WEEKEND.

4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.

5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1000 SF. (WITH OR WITHOUT SEEDING) OR DORMANT SEEDED, MULCHED AND ANCHORED SUCH THAT SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SODDED, COVERED WITH GRAVEL (PARKING LOTS) OR STRUCTURAL SAND.

6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED DURING PERIODS OF ABOVE FREEZING TEMPERATURES. THE SLOPES SHALL BE FIN GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1 AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. AREAS SHALL BE LEFT UNGRADED UNTIL THE WIDTH OF ANY EXPOSED EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SILT FENCE OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DORMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.

(a) Seeded areas. For seeded areas, permanent stabilization means a 90% cover of healthy plants with no evidence of washing or rilling of the topsoil.

(b) Sodded areas. For sodded areas, permanent stabilization means the complete binding of the sod roots into the underlying soil with no slumping of the sod or die-off.

(c) Permanent Mulch. For mulched areas, permanent stabilization means total coverage of the exposed area with no slumping of the mulch or die-off.

(d) Riprap. For areas stabilized with riprap, permanent stabilization means slopes stabilized with riprap having an appropriate backfill of a well-graded gravel or approved geotextile to prevent soil movement from behind the riprap. Stone must be sized appropriately. It is recommended that angular stone be used.

(e) Agricultural use. For construction projects on land used for agricultural purposes (e.g., pipelines across crop land), permanent stabilization may be accomplished by returning the disturbed land to agricultural use.

(f) Paved areas. For paved areas, permanent stabilization means the placement of the compacted gravel subbase is completed.

(g) Ditches, channels, and swales. For open channels, permanent stabilization means the channel is stabilized with a 90% cover of healthy vegetation, with a well-graded riprap lining, or with another non-erosive lining such as concrete or asphalt pavement. There must be no evidence of slumping of the channel lining, or down-cutting of the channel.

(h) Slopes greater than 2:1 will receive riprap.

**PROGRESS PLAN NOT FOR CONSTRUCTION**

THIS DOCUMENT IS ISSUED FOR INFORMATIONAL PURPOSES ONLY. THE DATA SHOWN HEREON IS SUBJECT TO REVISION.

**MAINE DEP Chapter 500, APPENDIX A. Erosion and sedimentation control (2023 Update)**

This appendix applies to all projects.

A person who conducts, or causes to be conducted, an activity that involves filling, displacing or exposing soil or other earth materials shall take measures to prevent unnecessary loss of soil or sediment beyond the market conditions, but based on the recent success we would expect the units to be completed within 2-3 years. Construction sequencing will include the following:

- Tree clearing and stump removal.
- Removal of the associated drives and infrastructure.
- Rough grading, site blasting for roadways and units and installation of utility lines and structures.
- Finish gravel and surfaces & paving.
- Loam, seed and stabilization.

**CONSTRUCTION PHASE:**

THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.

1. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 7 DAYS, SEE ITEM NO. 4.

2. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SILT FENCING AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION. IMMEDIATELY FOLLOWING CONSTRUCTION OF CULVERTS AND SWALES, RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.

3. TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM THE EXISTING DRAINAGE COURSE. NO STOCKPILE SHALL BE CLOSER THAN 100' OF A RESOURCE INCLUDING, BUT NOT LIMITED TO, WETLANDS, STREAMS, AND OPEN WATER BODIES. ALL STOCKPILES SHALL HAVE A SILTATION FENCE BELOW THEM REGARDLESS OF TIME OF PRESENCE. ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 15 DAYS SHALL BE:

- A. TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).
- B. SEADED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.
- C. INSTALL SILT FENCE AROUND STOCKPILE AT BASE OF PILE. STOCKPILES TO HAVE SILT FENCE INSTALLED AT TIME OF ESTABLISHMENT AT BASE OF PILE.

4. CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15, SHOULD SEEDING BE NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15, THE FOLLOWING PROCEDURE SHALL BE FOLLOWED. ALSO REFER TO NOTE 9 OF WINTER CONSTRUCTION.

- A. ONLY UNFROZEN LOAM SHALL BE USED.
- B. LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
- C. WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1000 SQ.FT) SHALL BE ADDED TO THE PREVIOUSLY NOTED AREA.
- D. WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.6 LBS/1000 SQ. FT.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
- E. FERTILIZING, SEEDING AND MULCHING SHALL BE APPLIED TO LOAM THE DAY THE LOAM IS SPREAD BY MACHINERY.
- F. ALTERNATIVE HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/Biodegradable NETTING. TRACTING BY MACHINERY ALONE WILL NOT SUFFICE.

5. FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 90% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE ENGINEER THAT THE EXISTING CATCH IS INADEQUATE.

**MAINE DEP Chapter 500, APPENDIX B. Inspection and maintenance (2023 Update)**

This appendix applies to all projects, except that a project that is eligible for stormwater PBR need only meet the standards in Section 1.

See Appendix D(5) for additional maintenance requirements related to infiltration of stormwater.

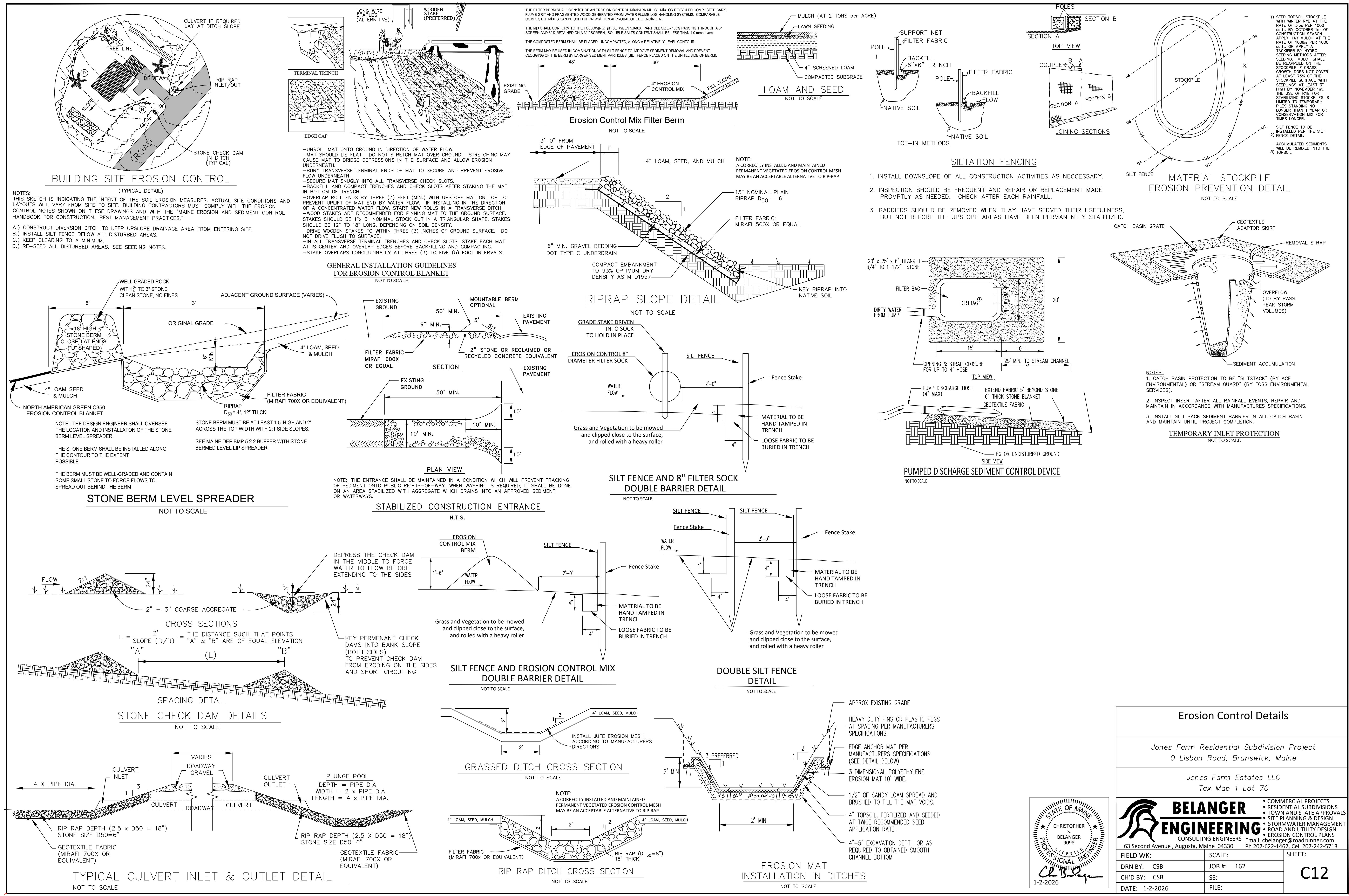
1. During construction. The following standards must be met during construction.

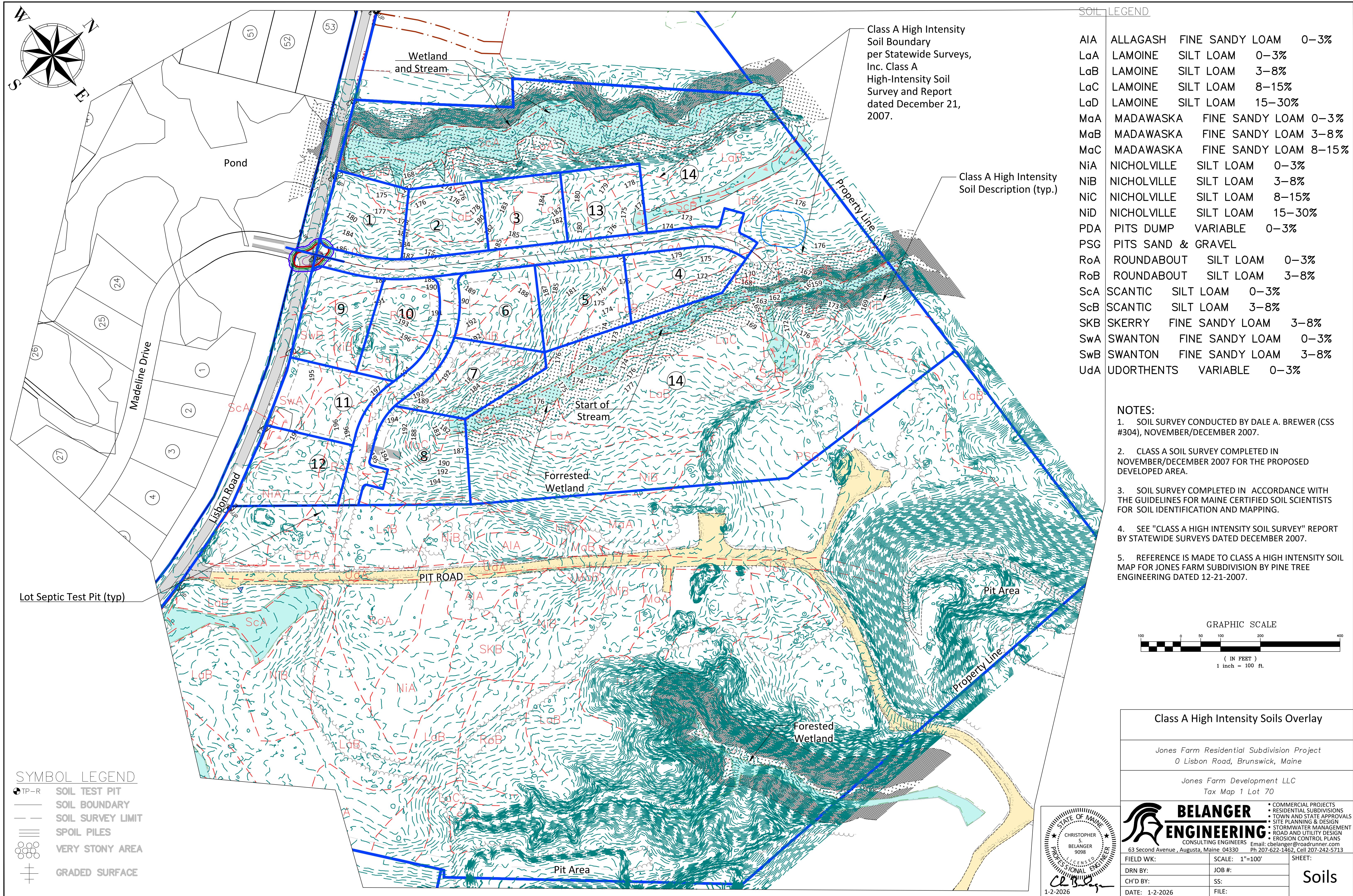
- (a) Inspection and corrective action after a storm event 0.5 inches or greater in 24 hours. Inspect disturbed and impervious areas, erosion control measures, material storage areas that are exposed to precipitation, and locations where vehicles enter or exit the site. Inspect these areas at least once a week as well as before and within 24 hours after a storm event (rainfall), and prior to completing permanent stabilization.
- (b) Maintenance. Best management practices (BMPs) need to be repaired, the repair work should be initiated upon discovery of the problem but no later than the end of the next workday. If additional BMPs or significant repair of BMPs are necessary, implementation must be completed within 7 calendar days or prior to any storm event (rainfall). All measures must be maintained in effective operating condition until they are permanently stabilized.
- (c) Documentation. Keep a log (report) summarizing the inspections and any corrective actions taken. The log must include the name(s) and qualifications of the person making the inspection, the date of the inspection, and any corrective action taken. The log must also include the name(s) and qualifications of the person performing the maintenance, the date of the maintenance, and any corrective action taken.
- (d) Maintenance. If best management practices (BMPs) need to be repaired, the repair work should be initiated upon discovery of the problem but no later than the end of the next workday. If additional BMPs or significant repair of BMPs are necessary, implementation must be completed within 7 calendar days or prior to any storm event (rainfall). All measures must be maintained in effective operating condition until they are permanently stabilized.

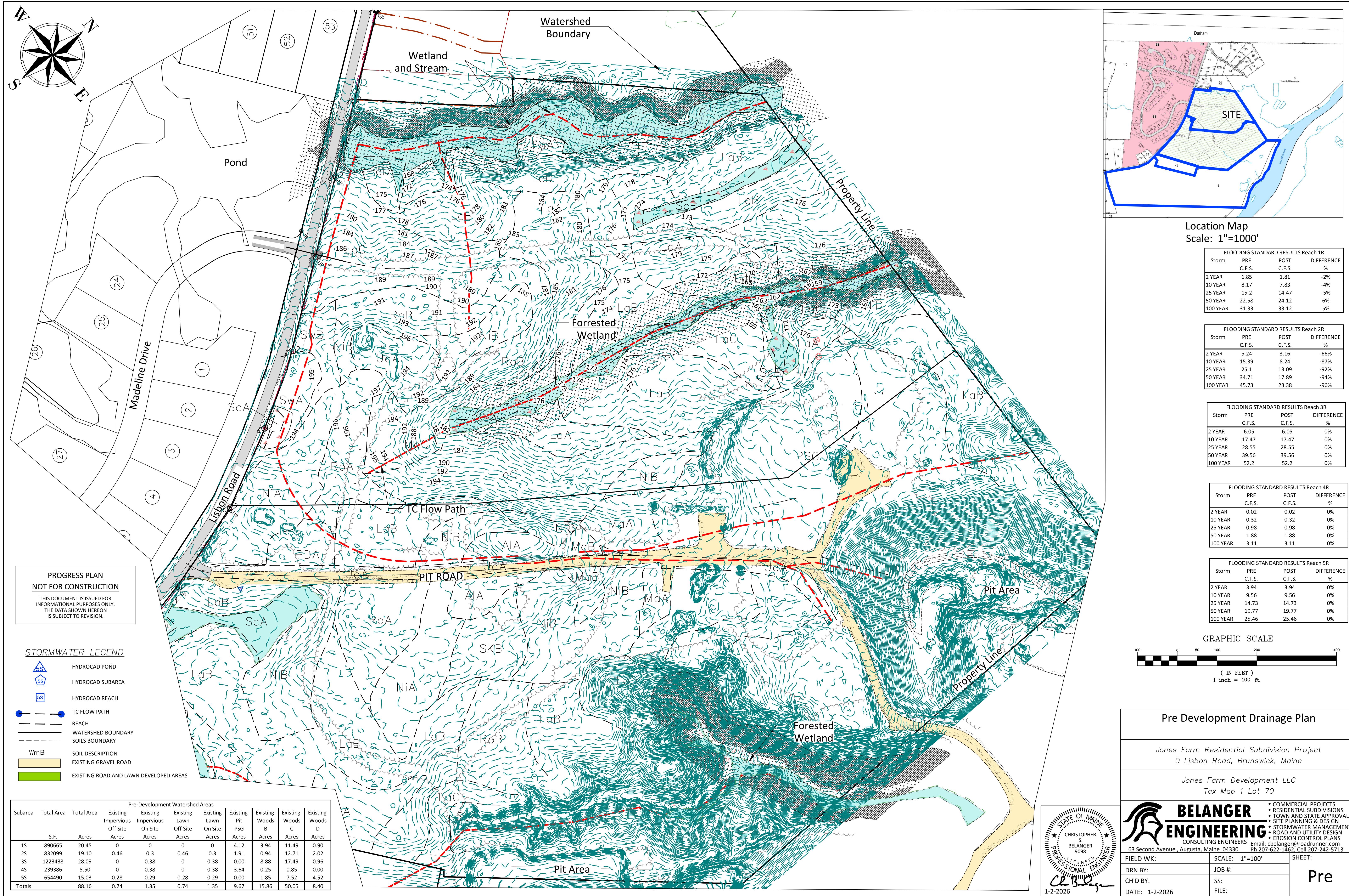
The log must be made accessible to Department staff and a copy must be provided upon request. The permittee shall retain a copy of the log for a period of at least one year from the completion of permanent stabilization.

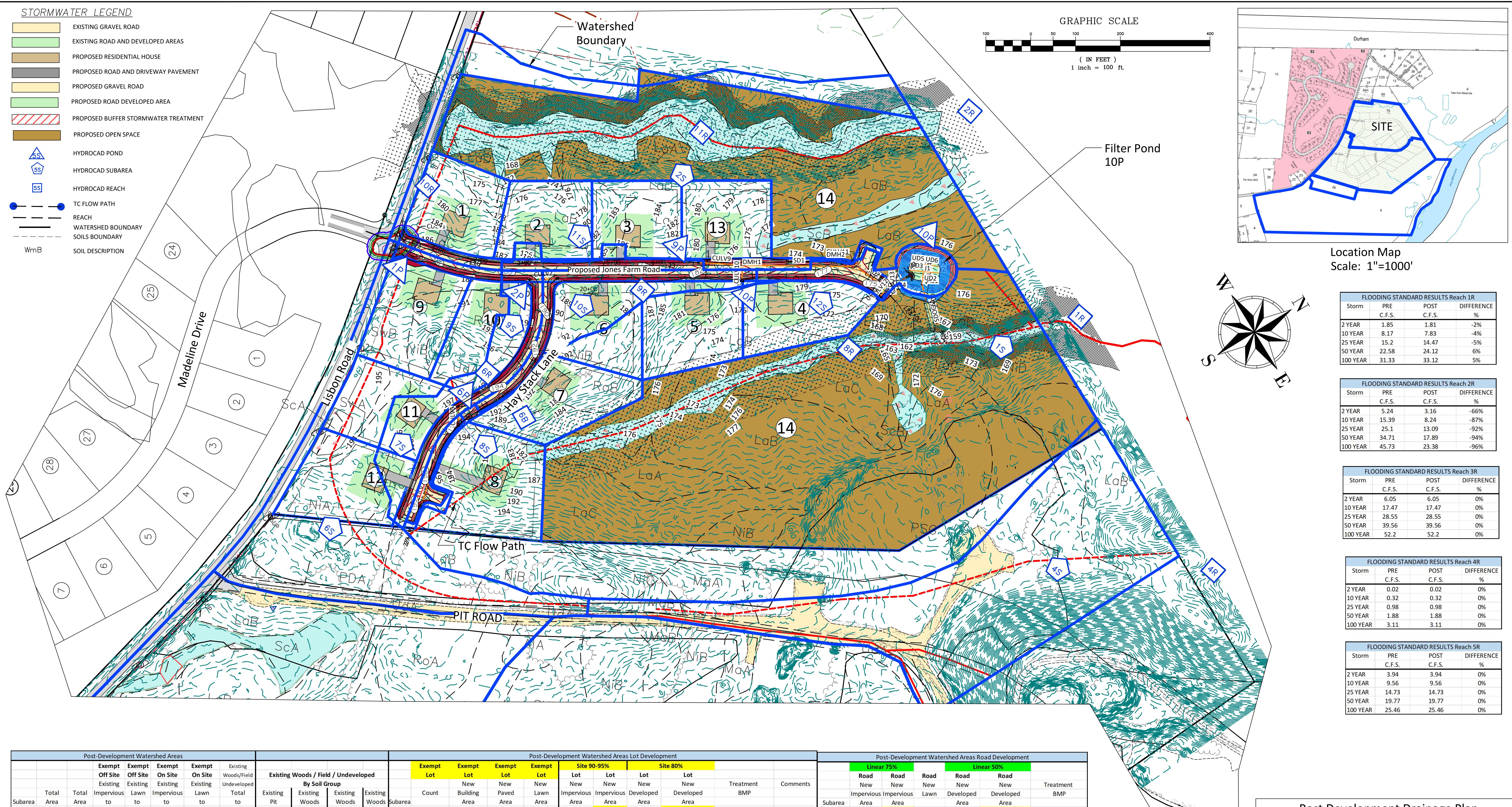
2. Post-construction. The following standards must be met after construction.

- (a) Plan. Carry out on approved inspection and maintenance plan that is consistent with the minimum requirements of this section. The plan must address inspection and maintenance of the project's permanent erosion control measures and stormwater management system. This plan may be combined with the plan listed in Section 2(c) of this appendix. See Section 7(C)(2) for submission requirements.
- (b) Inspection and maintenance after a storm event 1.0 inches or greater in 24 hours. All measures must be maintained in effective operating condition. A flowing stream or watercourse, or any area where water is present, may be used to determine if the stream or watercourse is flowing. The person with knowledge of erosion and stormwater control, including the standards and conditions in the permit, shall conduct the inspection.
- (c) Documentation. Inspect the project for any significant changes in the project's permanent erosion control measures and stormwater management system. The following areas must be checked for any significant changes in the project's permanent erosion control measures and stormwater management system. The following areas must be checked for any significant changes in the project's permanent erosion control measures and stormwater management system.
- (d) Maintenance. Inspect the project for any significant changes in the project's permanent erosion control measures and stormwater management system. The following areas must be checked for any significant changes in the project's permanent erosion control measures and stormwater management system.
- (e) Documentation. Inspect the project for any significant changes in the project's permanent erosion control measures and stormwater management system. The following areas must be checked for any significant changes in the project's permanent erosion control measures and stormwater management system.
- (f) Maintenance. Inspect the project for any significant changes in the project's permanent erosion control measures and stormwater management system. The following areas must be checked for any significant changes in the project's permanent erosion control measures and stormwater management system.
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- (h) Maintenance. Inspect the project for any significant changes in the project's permanent erosion control measures and stormwater management system. The following areas must be checked for any significant changes in the project's permanent erosion control measures and stormwater management system.
- (i) Documentation. Inspect the project for any significant changes in the project's permanent erosion control measures and stormwater management system. The following areas must be checked for any significant changes in the project's permanent erosion control measures and stormwater management system.
- (j) Maintenance. Inspect the project for any significant changes in the project's permanent erosion control measures and stormwater management system. The following areas must be checked for any significant changes in the project's permanent erosion control measures and stormwater management system.</li







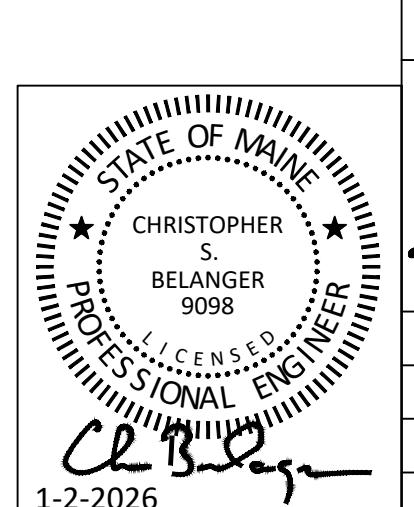


### Post Development Drainage Plan

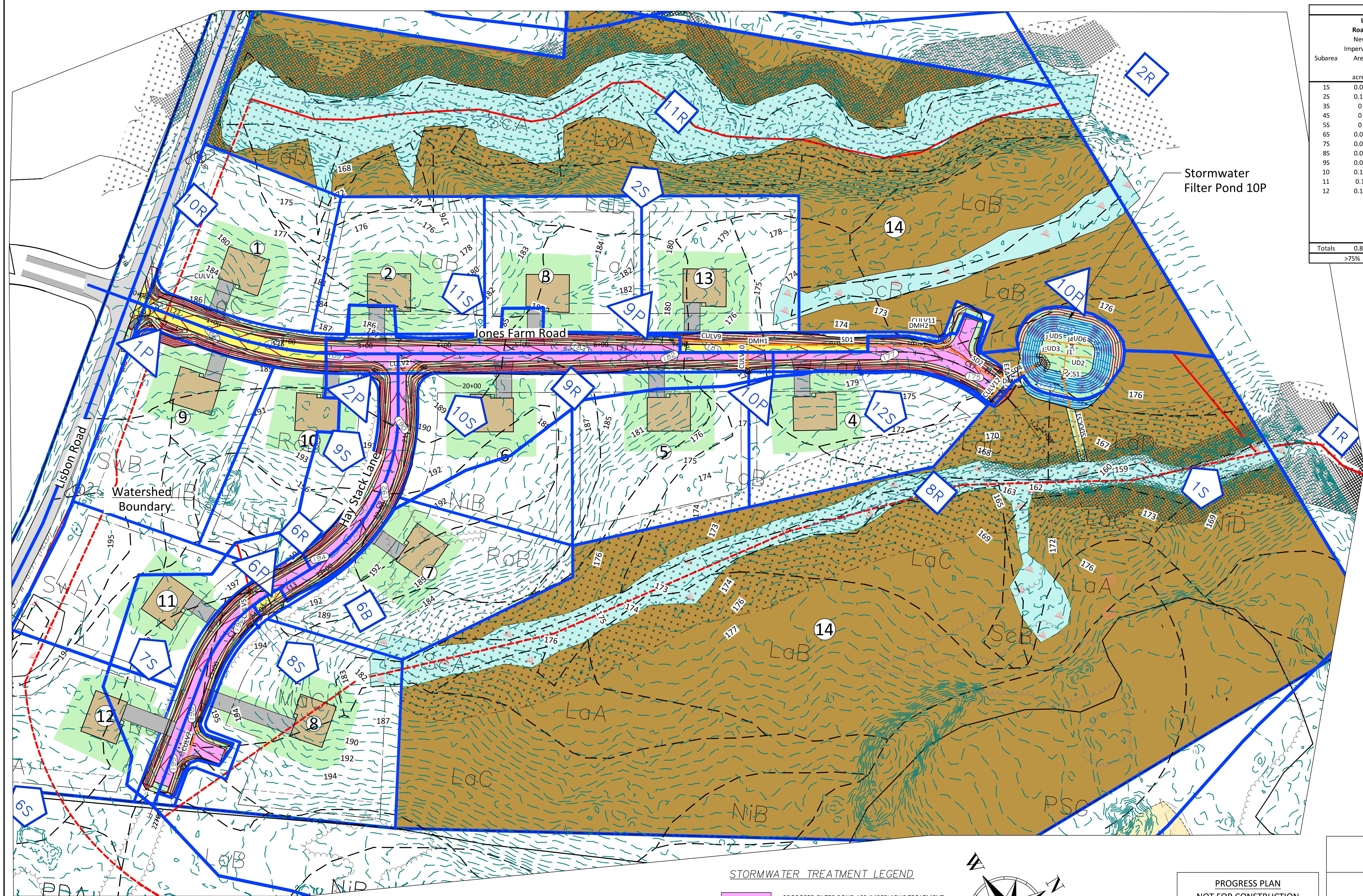
Jones Farm Development

0 Lisbon Road, Tax Map 1 Lot 70

Ray Labbe and Sons

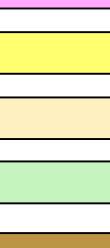


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PROFESSIONAL ENGINEER  
CLB  
1-2-2026  
FIELD WK: DRN BY: CH'D BY: DATE: FILE: SHEET: Post

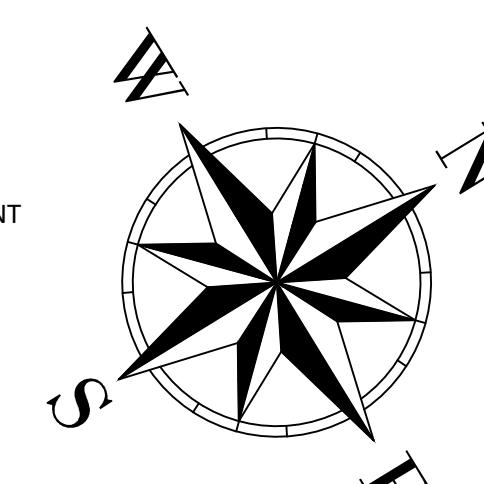


Post-Development Watershed Areas Road Development							
Subarea	Linear 75%		Linear 50%				
	Road	Road	Road	Road	Road	Treatment	
	New	New	New	New	New		
	Impervious	Impervious	Lawn	Developed	Developed	BMP	
Area	Area	Treated		Area	Area	Treated	
acres	acres	acres	acres	acres	acres		
1S	0.01	0	0.04	0.05	0	Zero Treatment	
2S	0.12	0	0.16	0.28	0	Zero Treatment	
3S	0	0	0	0	0	No Changes	
4S	0	0	0	0	0	No Changes	
5S	0	0	0	0	0	No Changes	
6S	0.07	0	0.1	0.17	0	Zero Treatment	
7S	0.08	0.08	0.1	0.18	0.18	Filter Pond 10P	
8S	0.09	0.09	0.07	0.16	0.16	Filter Pond 10P	
9S	0.09	0.09	0.11	0.2	0.2	Filter Pond 10P	
10	0.19	0.19	0.26	0.45	0.45	Filter Pond 10P	
11	0.1	0.1	0.13	0.23	0.23	Filter Pond 10P	
12	0.13	0.13	0.44	0.57	0.57	Filter Pond 10P	
Totals	0.88	0.68	1.41	2.29	1.79		
	>75%	77%	✓	>50%	78%	✓	

## STORMWATER TREATMENT LEGEND



- PROPOSED FILTER POND 10P IMPERVIOUS TREATMENT
- ZERO TREATMENT IMPERVIOUS AREA
- PROPOSED GRAVEL ROAD
- PROPOSED ROAD DEVELOPED AREA
- PROPOSED OPEN SPACE
- EXISTING GRAVEL ROAD
- EXISTING ROAD AND DEVELOPED AREAS
- PROPOSED RESIDENTIAL HOUSE
- PROPOSED ROAD AND DRIVEWAY PAVEMENT
- PROPOSED BUFFER STORMWATER TREATMENT

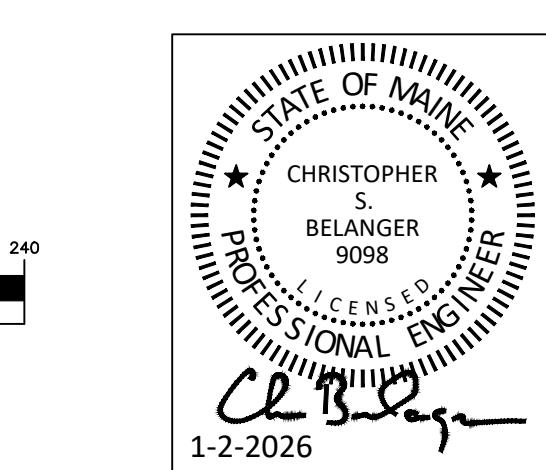


## PROGRESS PLAN

### NOT FOR CONSTRUCTION

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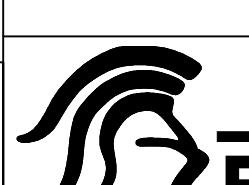
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## Road Water Quality Treatment Plan

*Jones Farm Development  
0.1 Lisbon Road, Tax Map 1, Lot 70*

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# **BELANGER** **ENGINEERING**

**ENGINEERING**: ROAD AND UTILITY DESIGN  
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SCALE: 1"=60'	SHEET:
Job #:	

JOB #:	WQ1
SS:	

5	FILE:
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WQ1

WQ1