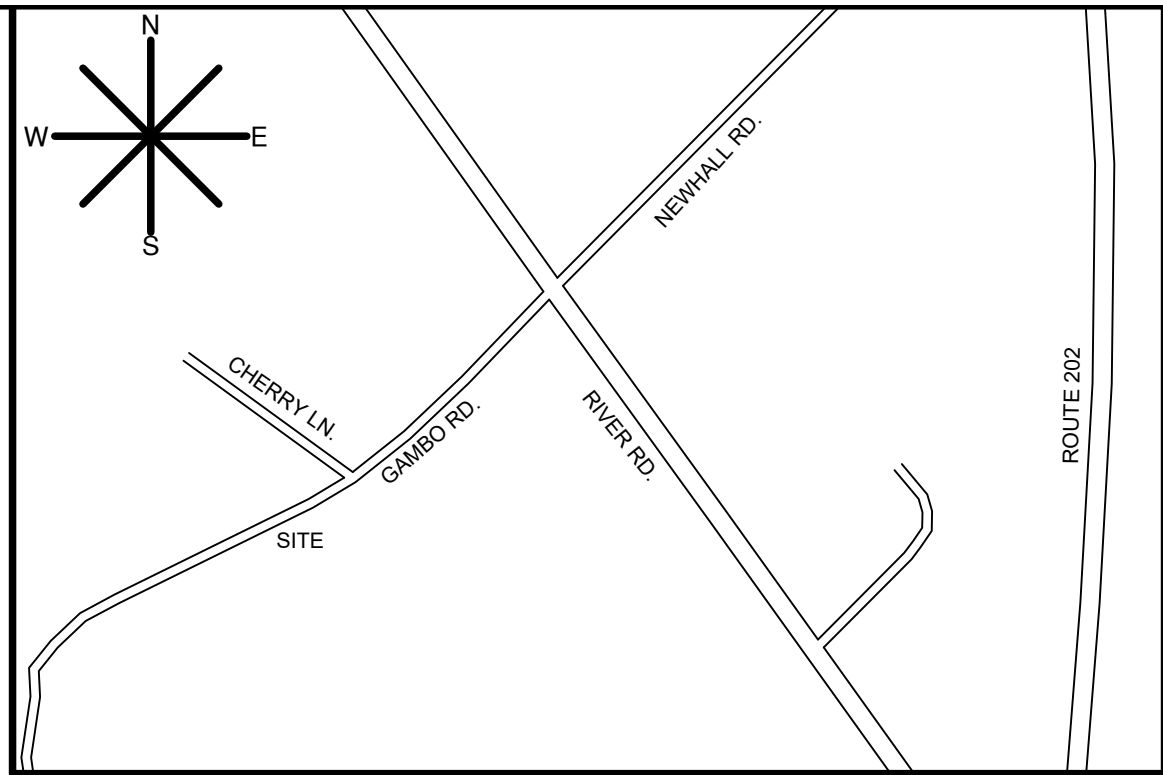


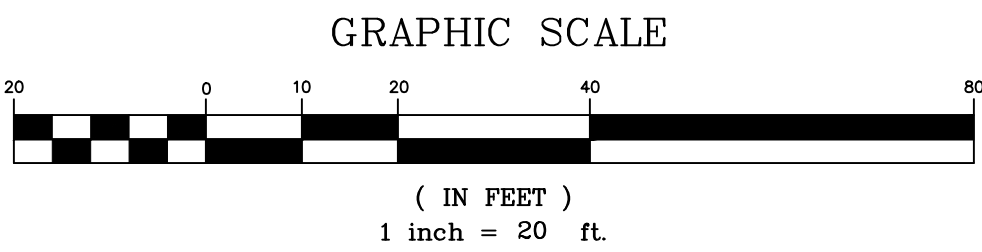
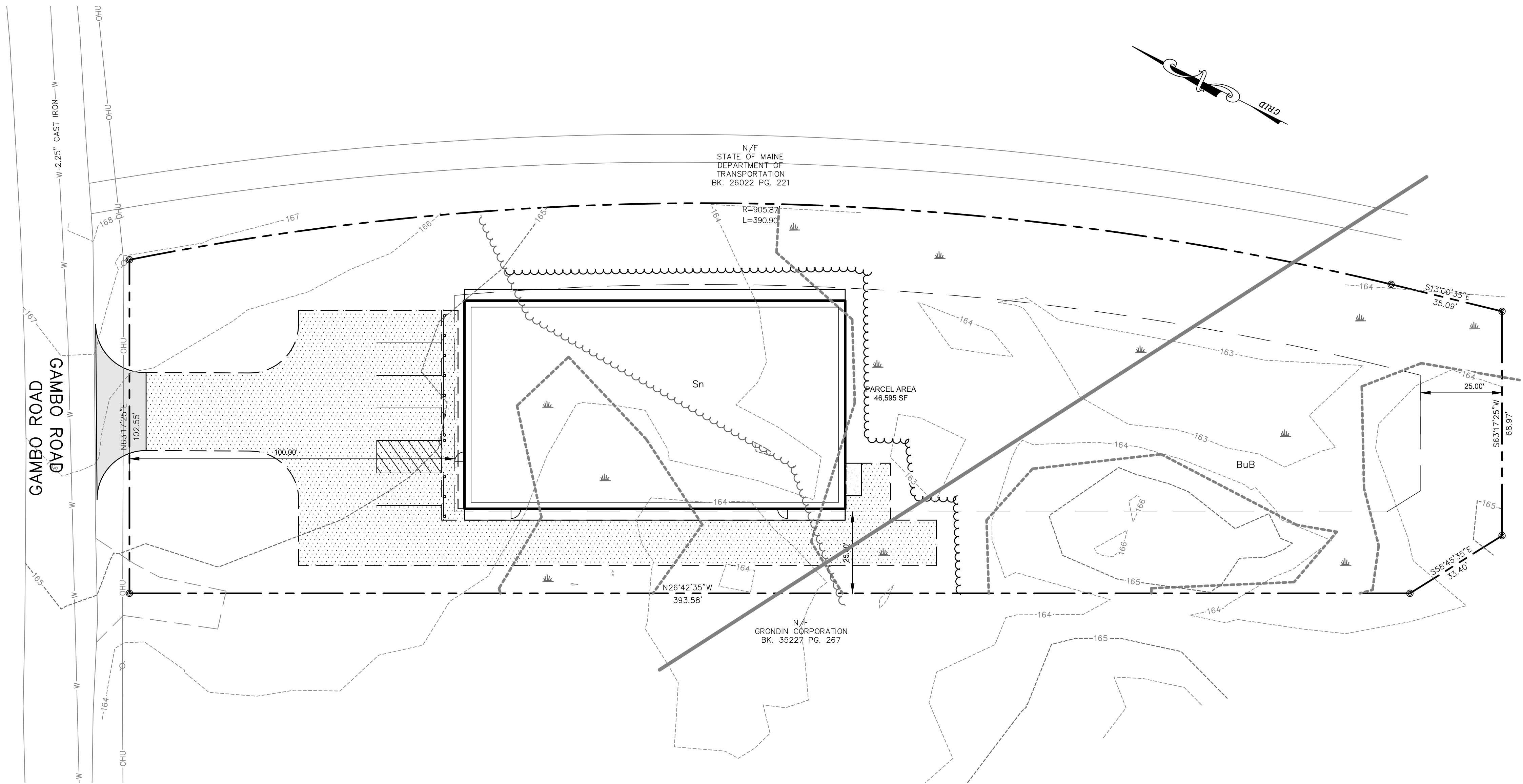


TIER III MARIJUANA CULTIVATION



LOCATION MAP

N.T.S.



LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	BOUNDARY LINE/R.O.W.	---
---	ABUTTER LINE/R.O.W.	---
---	SETBACK	---
---	EASEMENT	---

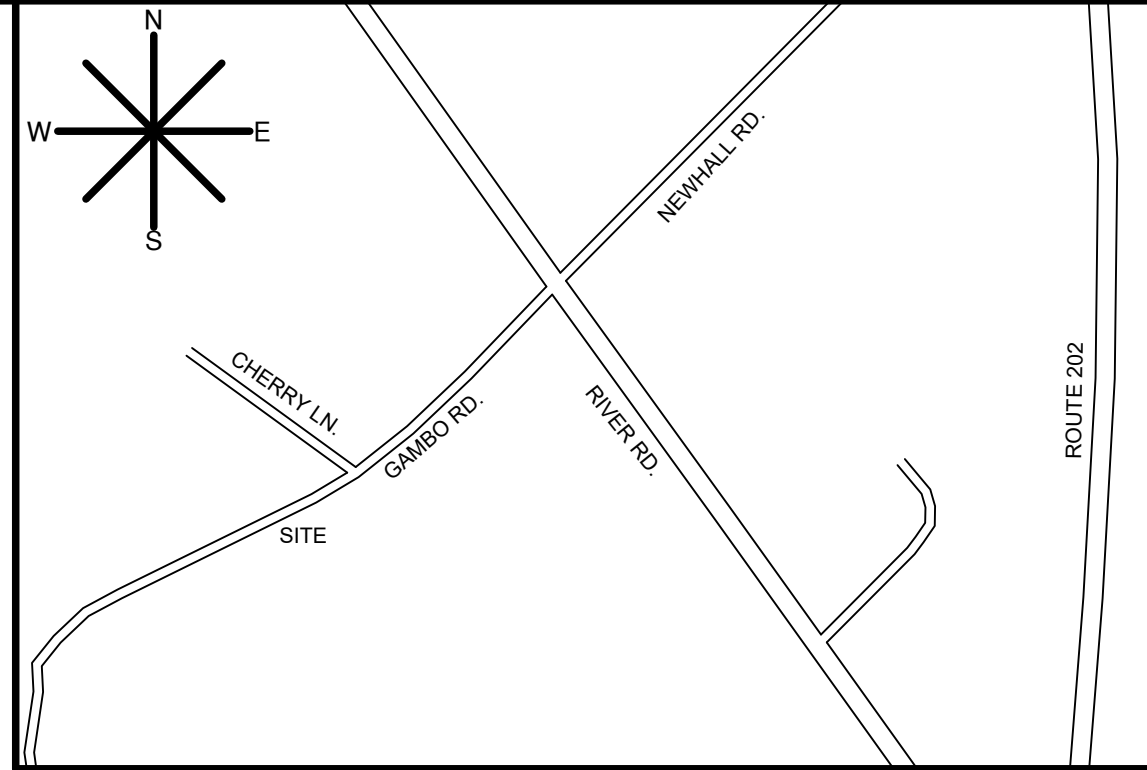
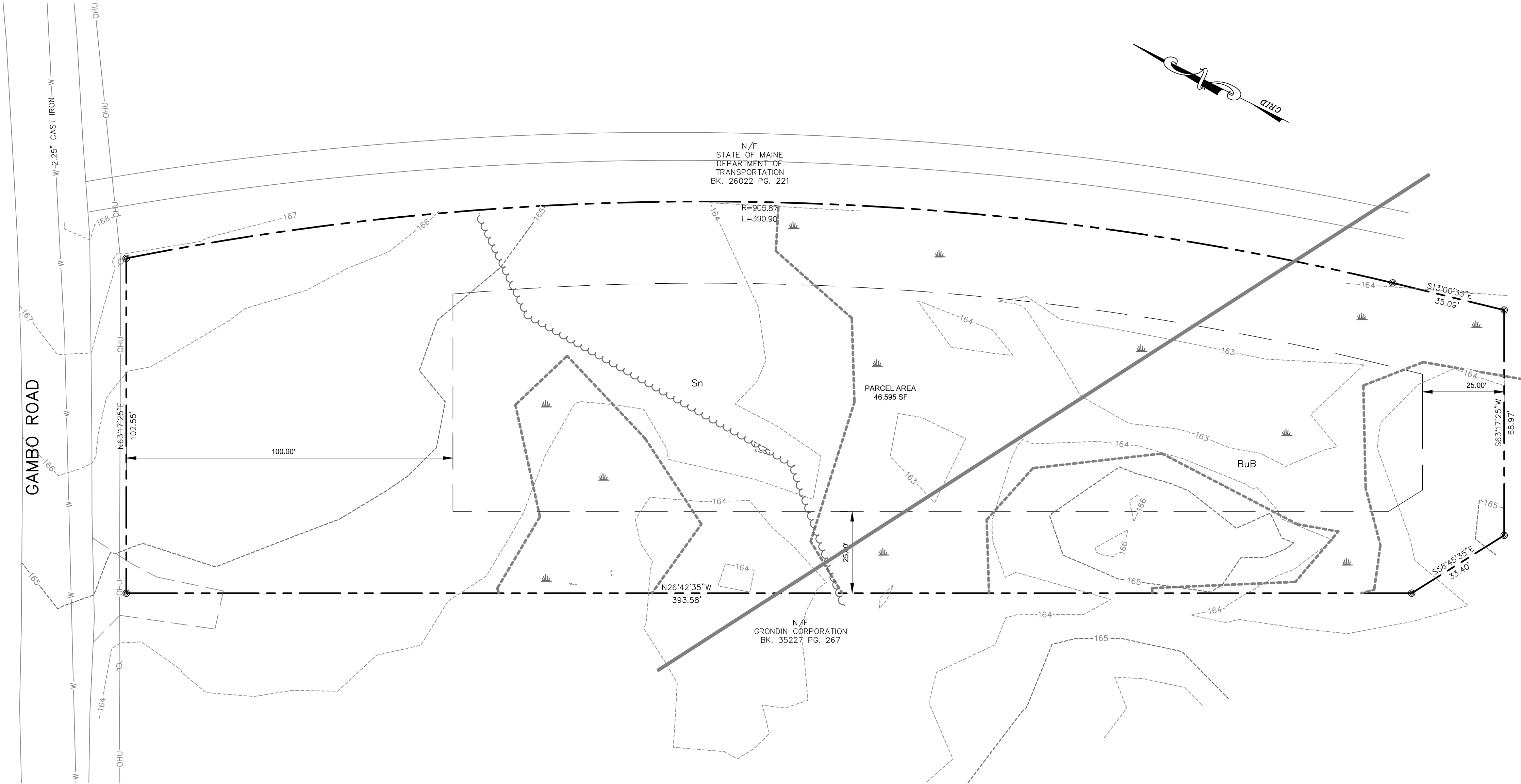
SHEET INDEX:

SHEET	DESCRIPTION
1	COVER SHEET
2	EXISTING CONDITIONS PLAN
3	SITE PLAN
4	GRADING PLAN
5	DETAILS
6	DETAILS
7	PRE-DEVELOPMENT WATERSHED MAP
8	POST-DEVELOPMENT WATERSHED MAP

APPLICANT:
S&N INVESTMENTS LLC
91 AUBURN STREET
SUITE J #23=40
PORTLAND, ME 04103

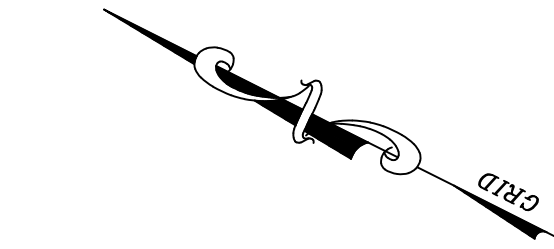
CIVIL ENGINEER:
ST.CLAIR ASSOCIATES
34 FOREST LANE
CUMBERLAND, ME 04021

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
---	BOUNDARY LINE/R.O.W.	---
---	ABUTTER LINE/R.O.W.	---
---	SETBACK	---
---	BUILDING	---
---	EDGE PAVEMENT	---
---	EDGE OF GRAVEL	---
---	CONTOURS	---
---	OVERHEAD ELEC. & TEL.	---
---	WATER	---
---	GATE VALVE	---
---	SOILS BOUNDARY	---



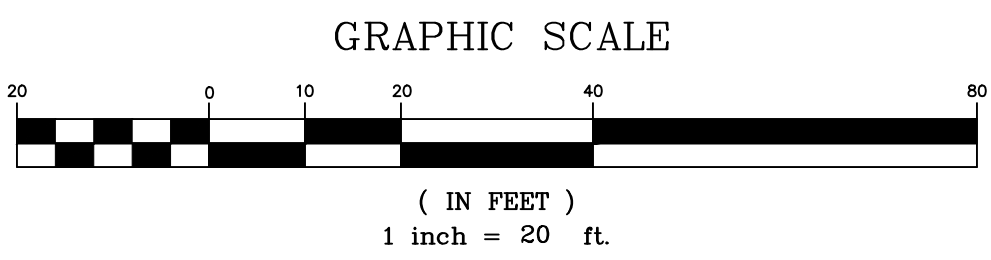
LOCATION MAP

N.T.S.



SOILS LEGEND

SOILS TYPE LABEL	SOIL NAME	SLOPE	HYDROLOGIC SOIL GROUP
BuB	LA MOINE SILT LOAM	3% TO 8% SLOPES	HSG C/D
Sn	SCANTIC SILT LOAM	0% TO 3% SLOPES	HSG D



GENERAL NOTES

- 1) THE RECORD OWNERS OF THE PROPERTY IS S&N INVESTMENTS LLC AS DESCRIBED IN A DEED RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 37582 PAGE 73.
- 2) THE PROPERTY IS LOCATED ON THE TOWN OF WINDHAM TAX MAP 41 BEING DEPICTED AS LOT 4.
- 3) THE BEARINGS AND NORTH ORIENTATION SHOWN HEREON ARE BASED GRID NORTH, NORTH AMERICAN DATUM OF 1983 MAINE WEST ZONE. CONTOURS AND ELEVATIONS SHOWN HEREON ARE BASED NORTH AMERICAN VERTICAL DATUM OF 1988.
- 4) PLAN REFERENCES:
A) SUBDIVISION PLAN OF WINDHAM - GORHAM PROPERTY FOR THE SMALL BUSINESS ADMINISTRATION DATED JANUARY 19, 1960 BY H. I. & E. C. JORDAN SURVEYING AND RECORDED IN PLAN BOOK 52 PAGE 58.
5) THE PROPERTY SHOWN HEREON IS SUBJECT TO AND BENEFITED BY ALL MATTERS OF RECORD ON FILE AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS.
6) THE PROPERTY IS LOCATED IN THE TOWN OF WINDHAM INDUSTRIAL (I) ZONING DISTRICT. THE SPACE AND BULK REQUIREMENTS FOR THE (I) ARE AS FOLLOWS:

MINIMUM LOT SIZE:	20,000 S.F.
MAXIMUM BUILDING HEIGHT:	NONE
MINIMUM FRONT YARD SETBACK:	100 FEET
MINIMUM SIDE YARD SETBACK:	25 FEET
(OR 50% OF BUILDING HEIGHT WHICHEVER IS GREATER)	
MINIMUM REAR YARD SETBACK:	25 FEET
(OR 50% OF BUILDING HEIGHT WHICHEVER IS GREATER)	

EXISTING CONDITION SURVEY
OF:
GAMBO ROAD PROPERTY
GAMBO ROAD
WINDHAM, MAINE
FOR:
S&N INVESTMENTS LLC
91 AUBURN STREET, SUITE J #240
PORTLAND, MAINE 04103

DATE	SCALE
06-07-2021	1" = 20'

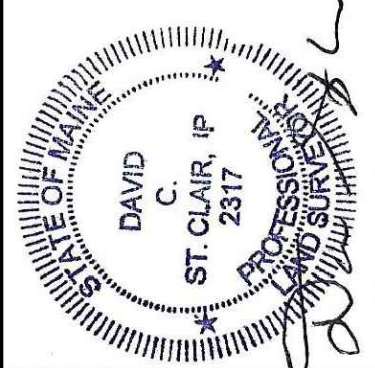
ST.CLAIR ASSOCIATES

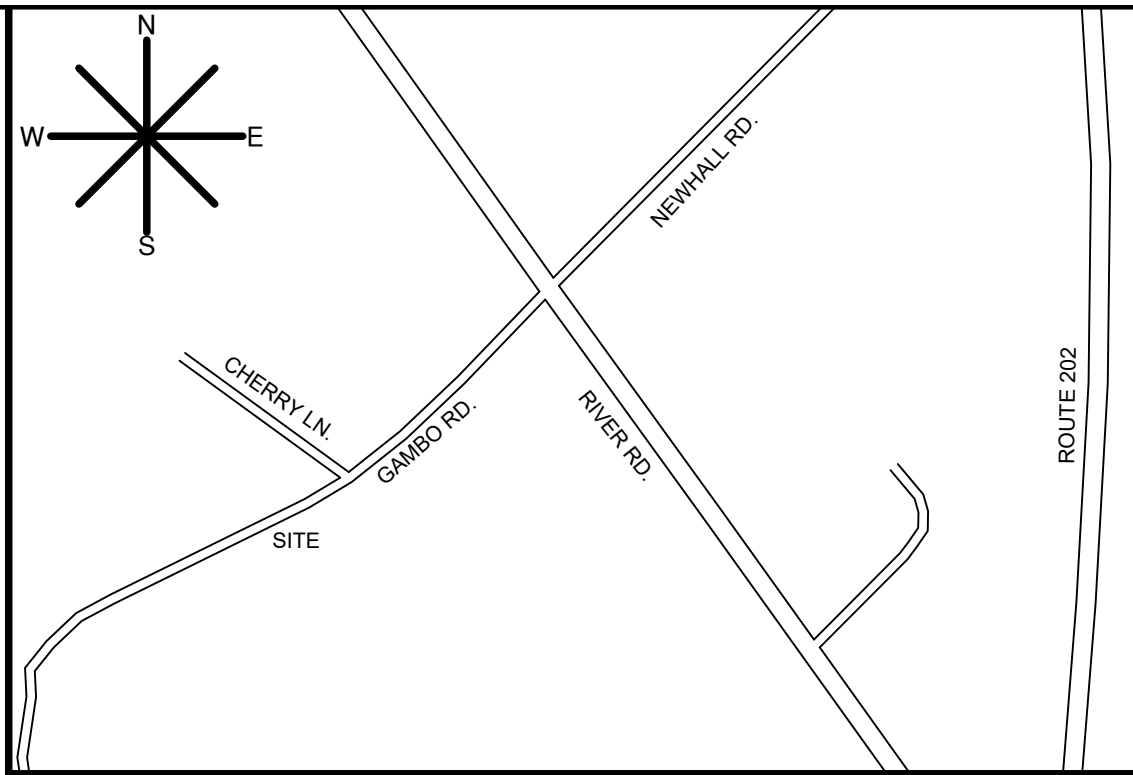
LAND SURVEYING AND CIVIL ENGINEERING
34 Forest Lane
Cumberland, ME 04021
Tel (207) 829-5555

PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAWN
20073	ELECT.	DCS	DCS	DCS

FOR TOWN REVIEW

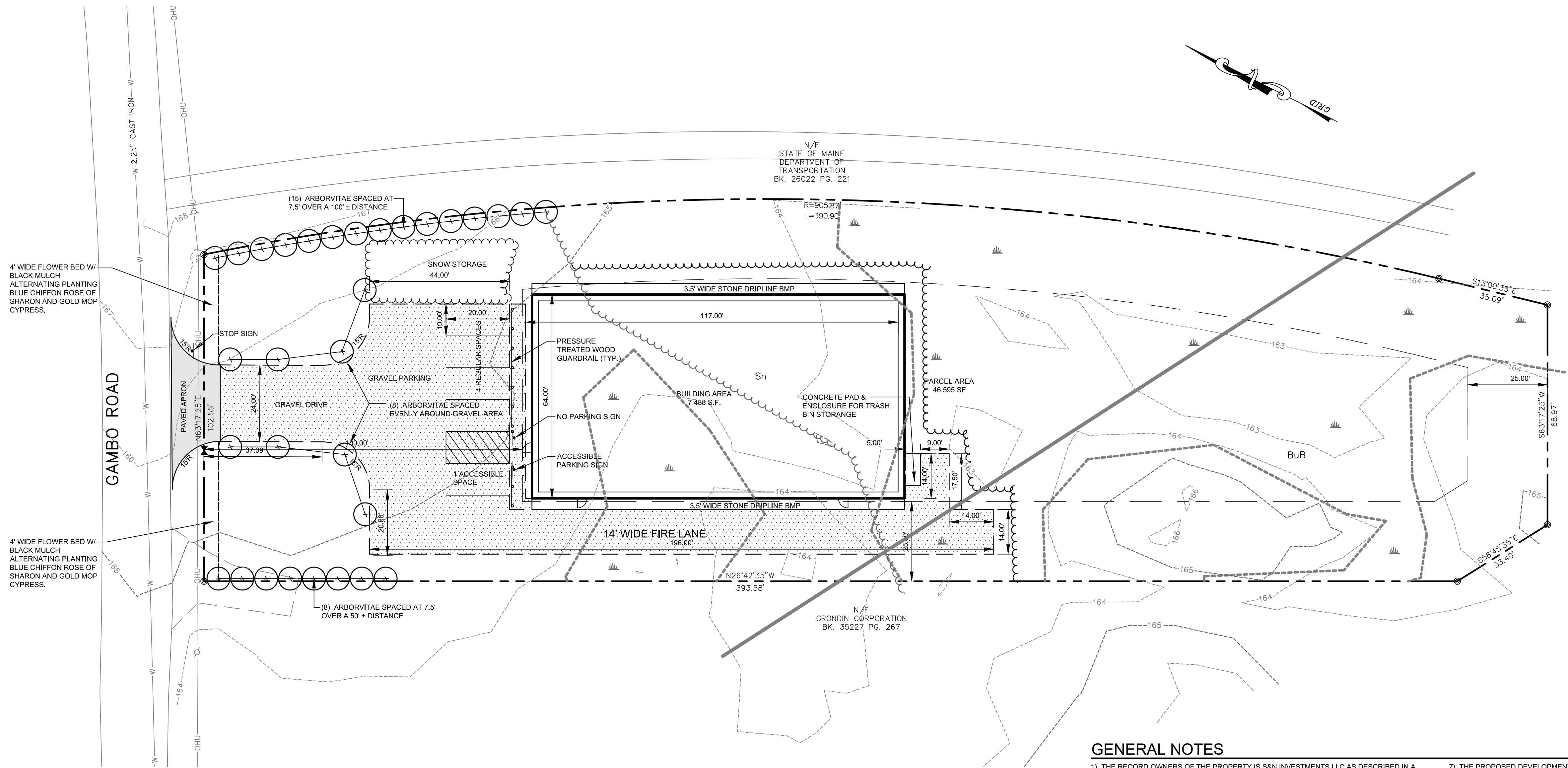
REV: A
BY: DCS
DATE: 06-07-2021
STATUS: FOR TOWN REVIEW
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM ST.CLAIR ASSOCIATES ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO ST.CLAIR ASSOCIATES





LOCATION MAP

N.T.S.



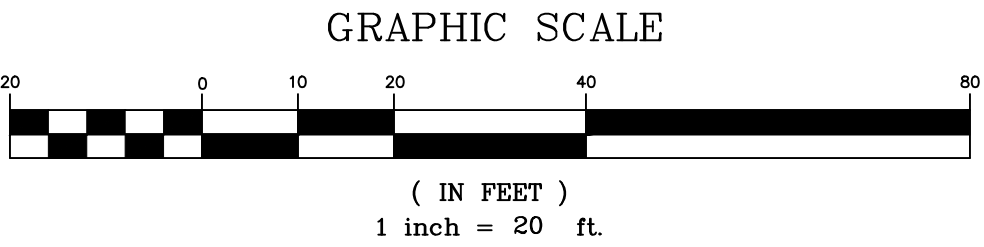
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MINIMUM LOT SIZE:	20,000 S.F.
MAXIMUM BUILDING HEIGHT:	NONE
MINIMUM FRONT YARD SETBACK:	100 FEET
MINIMUM SIDE YARD SETBACK:	25 FEET
(OR 50% OF BUILDING HEIGHT WHICHEVER IS GREATER)	
MINIMUM REAR YARD SETBACK:	25 FEET
(OR 50% OF BUILDING HEIGHT WHICHEVER IS GREATER)	
- TOTAL AREA OF THE PROPERTY: 46,595 S.F.
PROPOSED BUILDING AREA: 7,488 S.F.
PROPOSED PARKING SURFACE AREA: 7,487 S.F.
PROPOSED AREA OF DISTURBANCE: 24,249 S.F.
- PROPOSED PARKING SPACES: 5 SPACES (INCLUDES 1 ACCESSIBLE SPACE)
- PROPOSED WETLAND IMPACT: 4,200 S.F.
- THE PROPOSED DEVELOPMENT SHALL BE SERVICED BY PUBLIC WATER AND PUBLIC SEWER, AND UNDERGROUND ELECTRIC, TELEPHONE AND CABLE TV SERVICES.
- THE TOWN OF WINDHAM ENGINEERING DEPARTMENT RESERVES THE RIGHT TO REQUEST ADDITIONAL WORK BEYOND WHAT IS SHOWN ON THE PLAN DUE TO UNKNOWN SITE CONDITIONS. ANY CHANGES MADE DURING CONSTRUCTION SHALL BE COORDINATED WITH THE TOWN OF WINDHAM PLANNING DEPARTMENT.
- A PRECONSTRUCTION MEETING IS REQUIRED BEFORE START OF CONSTRUCTION. THE MEETING SHALL INCLUDE APPROPRIATE TOWN STAFF, THE DEVELOPER AND HIS CONTRACTOR, AND UTILITY COMPANY REPRESENTATIVES. ANY PLAN REVISIONS REQUIRED AS A RESULT OF THE MEETING SHALL BE PROVIDED TO ALL PARTIES ASSOCIATED WITH THE PROJECT.
- THE PROPERTY SHOWN ON THE APPROVED SITE PLAN MAY BE DEVELOPED AND USED ONLY AS SHOWN ON THE PLAN. ALL ELEMENTS AND FEATURES OF THE PLAN AND ALL REPRESENTATIONS MADE BY THE APPLICANT WHICH APPEAR IN THE RECORD OF THE PLANNING BOARD PROCEEDINGS ARE CONDITIONS OF APPROVAL. NO CHANGE FROM THE CONDITIONS OF APPROVAL IS PERMITTED UNLESS AN AMENDED SITE PLAN IS APPROVED BY THE PLANNING BOARD.
- ALL BUILDING MOUNTED LIGHT FIXTURES SHALL BE EQUIPPED WITH PHOTOCELLS THAT CONTROL THE SITE LIGHTING TO TURN ON AT DUSK AND WILL DIM AT 7 PM. ONLY SECURITY LIGHTING WILL REMAIN ON OVERNIGHT. ALL LIGHTING WILL TURN OFF AT DAWN.
- SNOW STORAGE IS ONLY ALLOWED IN THE DESIGNATED AREAS SHOWN HEREON. NO SNOW STORAGE IS ALLOWED IN STORMWATER MANAGEMENT STRUCTURES.

APPROVAL-
TOWN OF WINDHAM
PLANNING BOARD

DATE	CHAIRPERSON



EXISTING	DESCRIPTION	PROPOSED
---	BOUNDARY LINE/R.O.W.	---
---	ABUTTER LINE/R.O.W.	---
---	SETBACK	---
---	BUILDING	---
---	EDGE PAVEMENT	---
---	EDGE OF GRAVEL	---
---	CONTOURS	---
OHU	OVERHEAD ELEC. & TEL.	---
W	WATER	---
W	GATE VALVE	---
---	GUARDRAIL	---
○	DECIDUOUS TREE	○
●	CONIFEROUS TREE	●

ST.CLAIR ASSOCIATES

LAND SURVEYING AND CIVIL ENGINEERING
34 Forest Lane
Cumberland, ME 04021
Tel (207) 829-5555

PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAWN
20073	ELECT.	DCS	DCS	DCS

SITE PLAN
OF:
GAMBO ROAD PROPERTY
CAMBO ROAD
WINDHAM, MAINE
FOR:
S&N INVESTMENTS LLC
91 AUBURN STREET, SUITE J #240
PORTLAND, MAINE 04103

DATE	SCALE
06-07-2021	1" = 20'

GRASSED UNDERDRAINED SOIL FILTER NOTES

GRASSED UNDERDRAINED SOIL FILTER CONSTRUCTION NOTES

GENERAL:

EROSION AND SEDIMENTATION FROM UNSTABLE CONSTRUCTION AREAS IS THE MOST COMMON REASON FOR FILTER FAILURE. THE SOIL FILTER MEDIA SHALL NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO IT HAS BEEN PERMANENTLY STABILIZED OR UNLESS THE RUNOFF IS DIVERTED AROUND THE FILTER. PERMANENT STABILIZATION SHALL MEAN THAT TRIBUTARY AREAS ARE EITHER STABILIZED WITH BASE PAVEMENT, 90% VEGETATION OR OTHER PERMANENT STABILIZATION MEASURES.

CONSTRUCTION COMPONENTS: UNDERDRAINED FILTERS CONSIST OF (FROM BOTTOM UP):

- A GEOTEXTILE FABRIC TO SEPARATE THE FILTER BASIN FROM THE NATURAL SOILS. AN IMPERMEABLE MEMBRANE MAY BE REQUIRED IN PLACE OF THE GEOTEXTILE FABRIC IF GROUNDWATER IMPACT OR CONTAMINATION IS A CONCERN, OR IF IT MAY INFLUENCE THE EFFECTIVENESS OF THE BASIN.
- A 12 TO 14-INCH BASE OF COARSE CLEAN STONE OR COARSE GRAVEL IN WHICH A 4-INCH TO 6-INCH PERFORATED UNDERDRAIN PIPE SYSTEM IS BEDDED.
- AN 18-INCH LAYER OF UNCOMPACTED SOIL FILTER MEDIA.
- A SURFACE COVER OF GRASS AND MULCH.

BASIN EXCAVATION: THE BASIN AREA MAY BE EXCAVATED FOR UNDERDRAIN INSTALLATION AND CAN BE USED AS A SEDIMENT TRAP DURING CONSTRUCTION. AFTER EXCAVATION OF THE BASIN, THE OUTLET STRUCTURE AND PIPING SYSTEM MAY BE INSTALLED IF PROTECTED WITH A SEDIMENT BARRIER.

SACRIFICIAL MULCH COVER: IF THE BASIN WILL BE USED AS A SEDIMENT TRAP, THE SIDES OF THE EMBANKMENTS MUST BE STABILIZED AND MAINTAINED TO PREVENT EROSION. THE BASIN WILL NEED TO BE RESTORED FOR ITS PLANNED PURPOSE AFTER CONSTRUCTION. BEFORE FINAL STABILIZATION OF THE BASIN, A 2-INCH LAYER OF SANDY LOAM OR SANDY SILT (WITH LESS THAN 2% CLAY CONTENT) MAY BE SPREAD ON THE SURFACE OF THE SOIL FILTER MEDIA AS A SACRIFICIAL PROTECTION LAYER. THE SACRIFICIAL LAYER WILL NEED TO BE REMOVED AT THE END OF CONSTRUCTION, AND THE SOIL FILTER MEDIA WILL NEED TO BE SEEDED AND MULCHED.

COMPACTION OF SOIL FILTER: SOIL FILTER MEDIA AND UNDERDRAIN BEDDING MATERIAL SHALL BE APPLIED TO REACH A BULK DENSITY OF BETWEEN 90% AND 92% STANDARD PROCTOR. THE SOIL FILTER MEDIA SHOULD BE INSTALLED IN AT LEAST TWO LIFTS OF 9 INCHES TO PREVENT POCKETS OF LOOSE MEDIA. THE CONTRACTOR SHALL USE CAUTION TO AVOID OVER COMPACTION OF THE FILTER MEDIA.

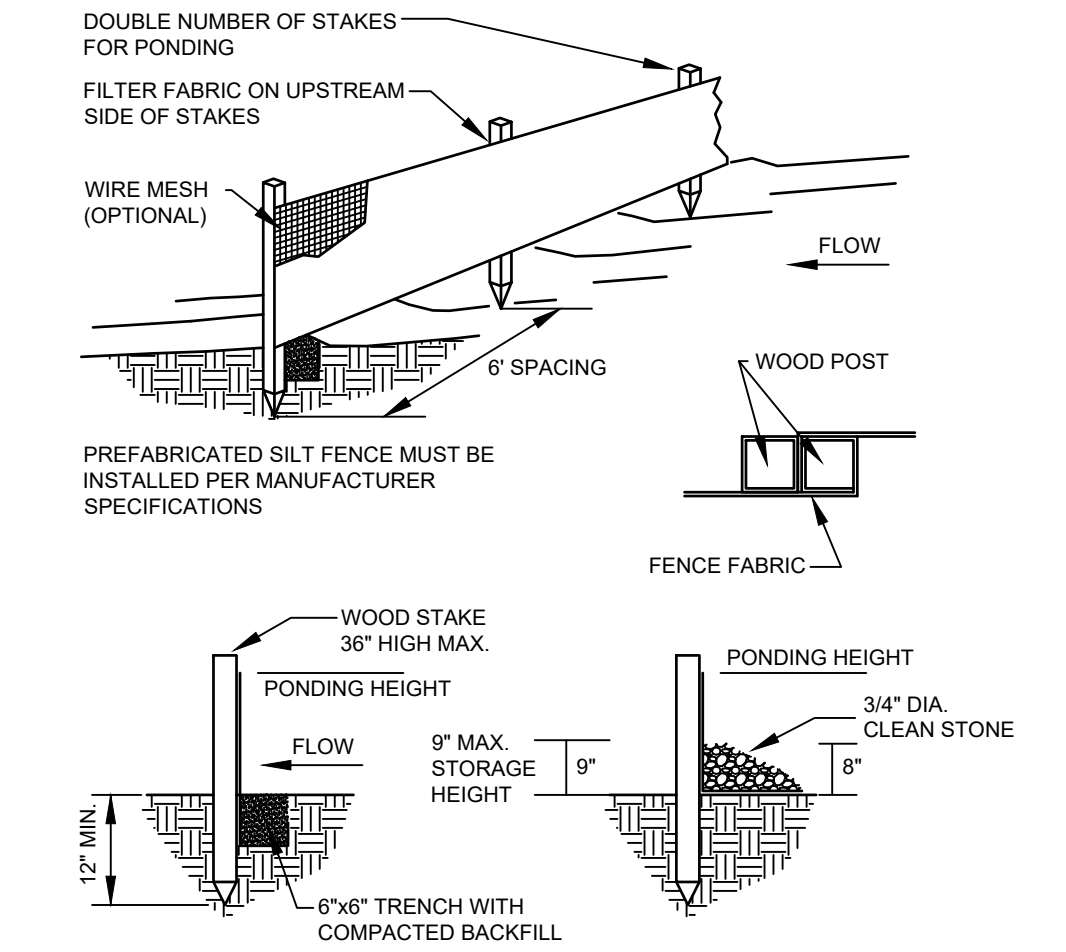
REMEDIAL LOAM COVER: IF VEGETATION IS NOT ESTABLISHED WITHIN THE FIRST YEAR, THE BASIN MAY BE ROTOTILLED, RESEEDED AND PROTECTED WITH A WELL-ANCHORED EROSION CONTROL BLANKET. OR, A 2-INCH TO 3-INCH LAYER OF FINE SANDY LOAM MAY BE APPLIED BEFORE SEEDING AND MULCHING.

CONSTRUCTION OVERSIGHT: INSPECTION OF THE FILTER BASIN MUST BE PROVIDED FOR EACH PHASE OF CONSTRUCTION BY THE DESIGN ENGINEER, OR QUALIFIED INSPECTING ENGINEER, WITH REQUIRED REPORTING TO THE DEP. ALL MATERIAL INTENDED FOR THE FILTER BASIN MUST BE APPROVED BY THE INSPECTING ENGINEER AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THE MATERIAL CONFORMS TO ALL DEP SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE THE OWNER AND INSPECTING ENGINEER WITH AN UP-TO-DATE CONSTRUCTION SCHEDULE TO ALLOW TIMELY INSPECTIONS DURING THE VARIOUS STAGES OF CONSTRUCTION. AT A MINIMUM, INSPECTIONS SHALL OCCUR:

- AFTER THE PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED (NOT BACKFILLED).
- AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE SOIL FILTER MEDIA.
- AFTER THE SOIL FILTER MEDIA HAS BEEN INSTALLED, SEEDED AND MULCHED, AND
- AFTER ONE YEAR, TO INSPECT VEGETATION AND MAKE CORRECTIONS.

TESTING AND SUBMITTALS: THE SOURCE OF EACH COMPONENT OF THE SOIL FILTER MEDIA SHALL BE IDENTIFIED PRIOR TO CONSTRUCTION. SAMPLES OF EACH TYPE OF MATERIAL SHOULD BE BLENDED FOR THE FILTER MEDIA AND THE UNDERDRAIN BEDDING MATERIAL. SAMPLES MUST BE A COMPOSITE OF THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIREMENTS WILL BE DETERMINED BY THE TESTING LABORATORY. A SIEVE ANALYSIS CONFORMING TO ASTM C136 SHALL BE PERFORMED ON EACH TYPE OF THE SAMPLE MATERIAL. TESTING THE PERMEABILITY OF THE SOIL FILTER MEDIA MIXTURE IS REQUIRED FOR THE MIXTURE AT A MEASURED BULK DRY DENSITY OF 90-92% BASED ON ASTM D698.

ALL GRADATION TESTS, INCLUDING HYDROMETER TESTING FOR CLAY CONTENT, AND PERMEABILITY TESTING OF THE SOIL FILTER MATERIAL, SHALL BE PERFORMED BY A QUALIFIED SOIL TESTING LABORATORY. THE CONTRACTOR SHALL SUBMIT FIELD AND LABORATORY RESULTS AND VERIFICATION OF SOIL TESTING COMPLIANCE TO THE OWNER AND THE INSPECTING ENGINEER FOR REVIEW AND APPROVAL BEFORE PLACEMENT. TESTING RESULTS SHALL BE INCLUDED AS PART OF THE INSPECTING ENGINEER'S REPORTING TO THE MDEP.



WITH TRENCHING WITHOUT TRENCHING

NOTES:

SILT FENCE AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.

SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.

SILT-FENCE DETAIL

NOT TO SCALE

CONSTRUCTION OF GRASSED UNDERDRAINED SOIL FILTER:

GEOTEXTILE FABRIC: A GEOTEXTILE FABRIC SHALL BE PLACED BETWEEN THE SIDES OF THE FILTER LAYER AND ADJACENT SOIL TO PREVENT THE SURROUNDING SOIL FROM MIGRATING INTO AND CLOGGING THE FILTER OR CLOGGING THE OUTLET. SEAMS SHOULD BE OVERLAPPED A MINIMUM OF 12 INCHES. DO NOT WRAP FABRIC OVER THE PIPE BEDDING AS IT MAY CLOG AND PREVENT FLOWS OUT OF THE FILTER. THE GEOTEXTILE FABRIC SHALL BE MIRAFI 170N OR APPROVED EQUAL.

IMPERMEABLE LINER: AN IMPERMEABLE LINER MAY BE REQUIRED ON CERTAIN SITES, IF NOTED IN THE MDEP PERMIT, OR ON THE PLANS OR DETAILS. IF REQUIRED, THE IMPERMEABLE LINER SHALL BE INSTALLED IN LIEU OF THE GEOTEXTILE FABRIC NOTED ABOVE. THE LINER MUST SEAMLESSLY EXTEND UP THE SIDES OF THE BASIN AND BE ANCHORED INTO THE SUBGRADE. THE IMPERMEABLE LINER MATERIAL SHALL BE WATERPROOF WITH SEALED JOINTS SUCH AS 30 MIL PVC OR HDPE, OR APPROVED EQUAL. ALL CROSSINGS OF THE LINER FOR PIPES OR OTHER STRUCTURES SHALL BE SEALED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER WHETHER AN IMPERMEABLE LINER IS REQUIRED FOR EACH BMP.

UNDERDRAIN LAYER: THE PERFORATED PIPING IN THE UNDERDRAIN LAYER SHALL BE BEDDED IN A MINIMUM OF 12 TO 14 INCHES OF UNDERDRAIN BACKFILL MATERIAL, WITH AT LEAST 4 INCHES OF MATERIAL BENEATH THE PIPE AND 4 INCHES ABOVE THE UNDERDRAIN PIPING. THE UNDERDRAIN MATERIAL SHALL CONSIST OF WELL-GRADED, CLEAN, COARSE GRAVEL MEETING THE MAINE DOT SPECIFICATION 703.22 UNDERDRAIN BACKFILL FOR TYPE B UNDERDRAIN.

PERFORATED UNDERDRAIN PIPING: THE PERFORATED UNDERDRAIN PIPING SHALL BE EITHER A 4" DIAMETER OR 6" DIAMETER (AS SPECIFIED ON THE PLANS) RIGID SCHEDULE 40 PVC OR SDR35 PIPE. THE UNDERDRAIN PIPING WITHIN THE FILTER BED SHALL BE SPACED NO FURTHER THAN 15' APART AND SHOULD HAVE A POSITIVE SLOPE TO THE OUTLET INVERT SHOWN ON THE PLANS. STRUCTURE JOINTS SHOULD BE SEALED AND WATER TIGHT. CLEAN OUTS SHALL BE INSTALLED AT THE UPSTREAM ENDS OF THE UNDERDRAIN PIPING. CLEAN OUTS SHALL INCLUDE SCREW CAPS SET NO MORE THAN 2' ABOVE GRADE.

SOIL FILTER BED: THE SOIL FILTER OVER THE GRAVEL UNDERDRAIN PIPE BEDDING MUST BE AT LEAST 18 INCHES DEEP AND MUST EXTEND ACROSS THE ENTIRE FILTER AREA. THIS SOIL MIXTURE SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. NO MATERIALS OR SUBSTANCES THAT MAY BE HARMFUL TO PLANT GROWTH CAN BE MIXED WITHIN THE FILTER. EXCEPT FOR AGRICULTURAL SOURCES, MOST ORGANIC SOURCES MAY BE ACCEPTABLE FOR THE ORGANIC COMPONENT OF THE MEDIA; THE MEDIA MIXTURE SHALL HAVE VERY LITTLE OR NO CLAY CONTENT AS TESTED VIA HYDROMETER TEST. SOILS WITH MORE THAN 2% CLAY CONTENT COULD CAUSE FAILURE OF THE SYSTEM AND ARE NOT PERMITTED FOR USE. THE FILTER MUST BE PERMEABLE ENOUGH TO INSURE DRAINAGE WITHIN 24 TO 48 HOURS, YET HAVE SUFFICIENT FINES TO INSURE THE FILTRATION OF FINE PARTICLES AND THE REMOVAL OF DISSOLVED POLLUTANTS.

OPTIONAL HAY LAYER: A LAYER OF HAY CAN BE PLACED TO SEPARATE THE UNDERDRAIN LAYER FROM THE FILTER LAYER ABOVE TO PREVENT SUBSIDENCE OR PLUGGING OF THE UNDERDRAIN LAYER AND/OR PIPE.

SOIL FILTER MEDIA - LAYERED SYSTEM WITH TOPSOIL: THE MEDIA SHALL CONSIST OF A LAYERED SYSTEM THAT TAKES ADVANTAGE OF THE CHARACTERISTICS OF NATURAL SOILS. THE DIFFERENT LAYERS FROM THE BOTTOM UP SHALL BE:

- FILTER LAYER: A 12-INCH LAYER OF LOAMY COARSE SAND WHICH IS LOOSELY INSTALLED AND MEETS THE GRAIN SIZE SPECIFICATION SHOWN IN THE FOLLOWING TABLE.

LOAMY COARSE SAND SPECIFICATIONS	
SIEVE #	%PASSING BY WEIGHT
NO. 10	85-100
NO. 20	70-100
NO. 60	15-40
NO. 200	8-15
200 (CLAY SIZE)	LESS THAN 2.0

- TOPSOIL: THE SURFACE OF THE BASIN SHALL BE COVERED WITH 6 INCHES OF NON-CLAYEY, LOAMY TOPSOIL SUCH AS USDA LOAMY SAND TOPSOIL WITH 5 TO 8% HUMIFIED ORGANIC CONTENT. TOPSOIL FROM THE DEVELOPMENT SITE MAY BE APPROPRIATE BUT IT SHALL BE TESTED FOR ORGANIC CONTENT AND CLAY CONTENT (HYDROMETER TEST) BEFORE APPROVAL FOR INSTALLATION. THE SOIL MUST BE SCREENED, LOOSE, FRIABLE, AND SHALL BE FREE FROM ADMIXTURES OF SUBSOIL, REFUSE, STONES (GREATER THAN 2 INCHES IN DIAMETER), CLUMPS, ROOT AND OTHER UNDESIRABLE FOREIGN MATTER. THE TOPSOIL SHALL BE GENTLY MIXED WITHIN THE FILTER LAYER TO PROVIDE CONTINUITY FOR DEEP ROOT PENETRATION. THE TEETH OF A BACKHOE, A HAND RAKE, A SHOVEL, OR ROTOTILLING 2-3 INCHES MAY BE USED TO CREATE A LOOSENED TRANSITION.

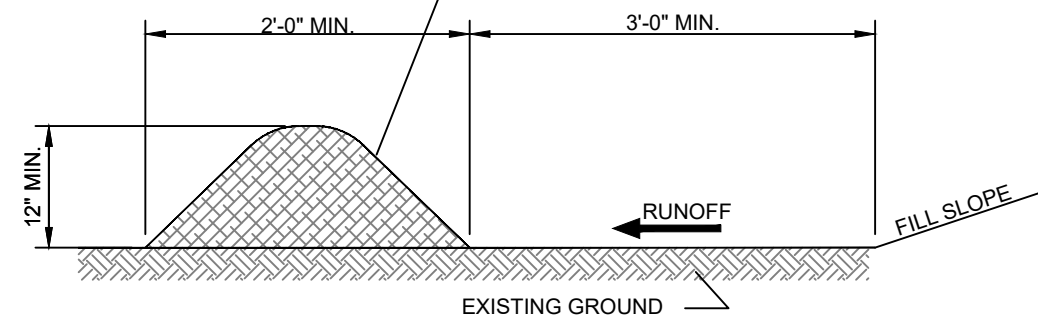
SEEDING AND MULCHING: THE FILTER BED SHALL BE SEEDED WITH A DROUGHT TOLERANT GRASS MIX AND MULCHED. WATERING IS RECOMMENDED TO ESTABLISH A HEALTHY VEGETATION BASE. THE FOLLOWING SEED MIX IS RECOMMENDED:

SEED MIX SHALL CONTAIN THE FOLLOWING:	
CREeping RED FESCUE	20 LBS/ACRE
TALL FESCUE	20 LBS/ACRE
BIRDSFOOT TREFOIL	8 LBS/ACRE
TOTAL	48 LBS/ACRE

UPON SEEDING, MULCH WITH HAY OR EROSION CONTROL BLANKET. DO NOT FERTILIZE.

ADDITIONAL INFORMATION:

ADDITIONAL DETAILED INFORMATION IS OUTLINED IN THE MAINE STORMWATER MANAGEMENT DESIGN MANUAL (BEST MANAGEMENT PRACTICES MANUAL, VOLUME III DATED MARCH 2016 WITH SUBSEQUENT REVISIONS).



WOOD WASTE COMPOST/BARK FILTER BERMS

A) EROSION CONTROL MIX MUST CONSIST PRIMARILY OF ORGANIC MATERIALS, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS ARE NOT ACCEPTABLE AT THE ORGANIC COMPONENT OF THE MIX. THE MIX SHALL CONFORM TO THE FOLLOWING STANDARDS:

B) EROSION CONTROL MIX SHALL CONTAIN A WELL- GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE FOLLOWING STANDARDS:

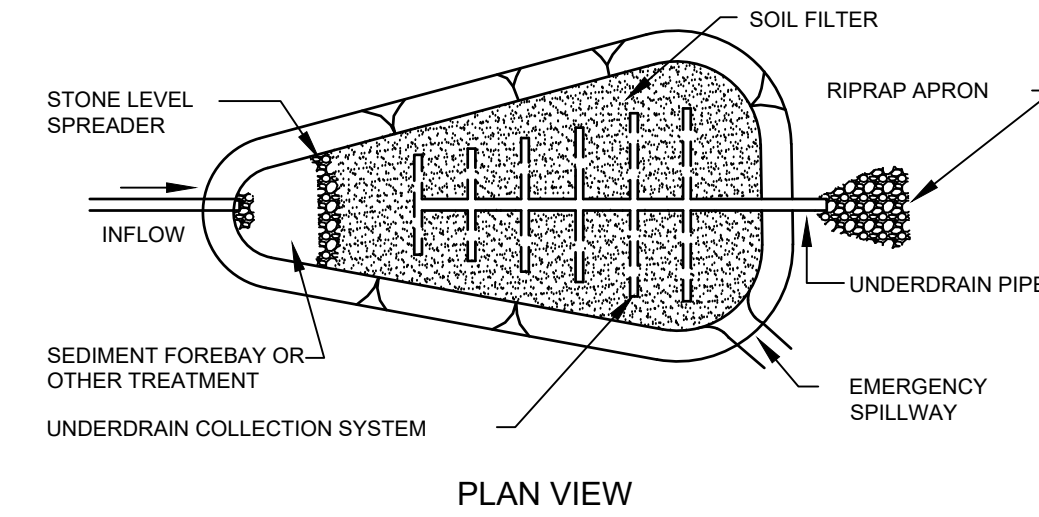
- 1) THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80% AND 100% DRY WEIGHT BASIS.
- 2) PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 6" SCREEN AND A MINIMUM OF 70% MAXIMUM OF 85% PASSING A 0.75" SCREEN
- 3) THE ORGANICS PORTION NEEDS TO BE FIBROUS AND ELONGATED.
- 4) LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.
- 5) SOLUBLE SALTS CONTENT SHALL BE LESS THAN 4.0 MMHOS/CM.
- 6) THE pH SHOULD FALL BETWEEN 5.0 AND 8.0 THE COMPOSTED BERM SHALL BE PLACED, UNCOMPACTED, ALONG A RELATIVELY LEVEL CONTOUR.

NOTE: EROSION CONTROL MIX FILTER BERMS MAY BE USED IN COMBINATION WITH SILT FENCE TO IMPROVE SEDIMENT REMOVAL AND PREVENT CLOGGING OF THE EROSION CONTROL MIX BERM BY LARGER SEDIMENT PARTICLES. (SILT FENCE PLACED TO FILTER RUNOFF BEFORE BERM)

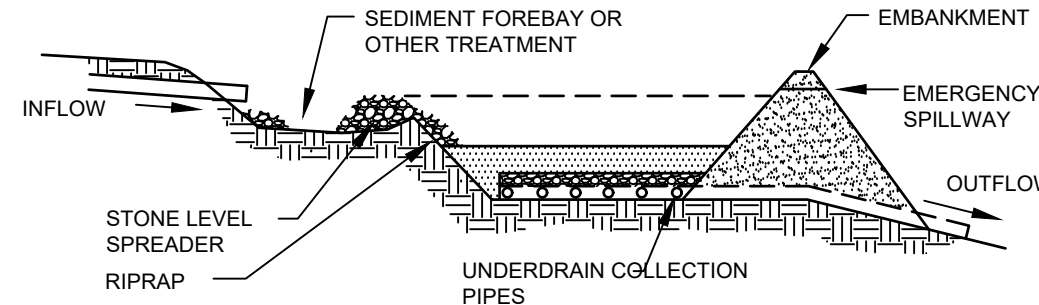
NOTE: EROSION CONTROL MIX FILTER BERM CAN BE USED IN LIEU OF SILT FENCE. CONTRACTOR'S CHOICE.

WOOD WASTE COMPOST/BARK FILTER BERM

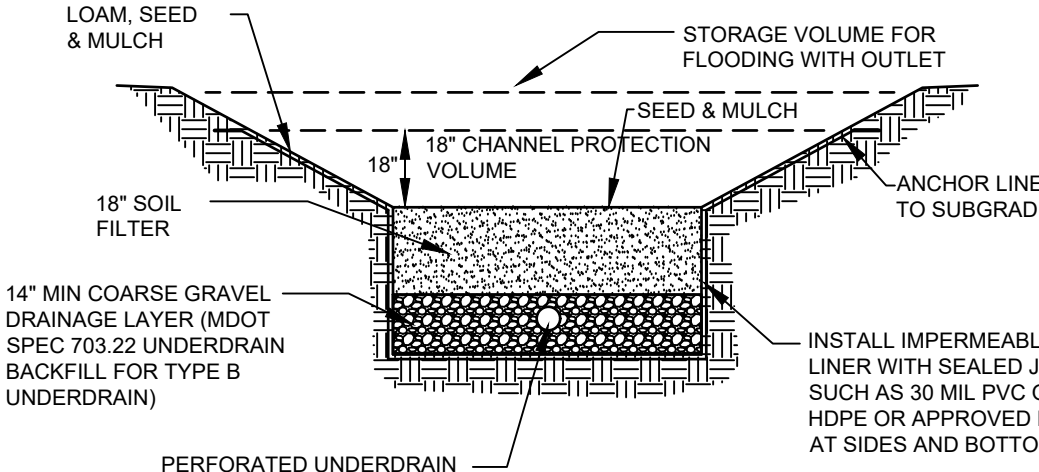
NOT TO SCALE



PLAN VIEW



CROSS SECTION



DETAIL

NOTE: SEE GRASSED UD SOIL FILTER NOTES FOR ADDITIONAL INFORMATION.

GRASSED UD SOIL FILTER BMP

PROPOSED PARKING FIELD & DRIVE AISLES

TYPICAL PAVED ENTRANCE APRON DETAIL

NOT TO SCALE

TYPICAL PAVED ENTRANCE APRON DETAIL

NOT TO SCALE

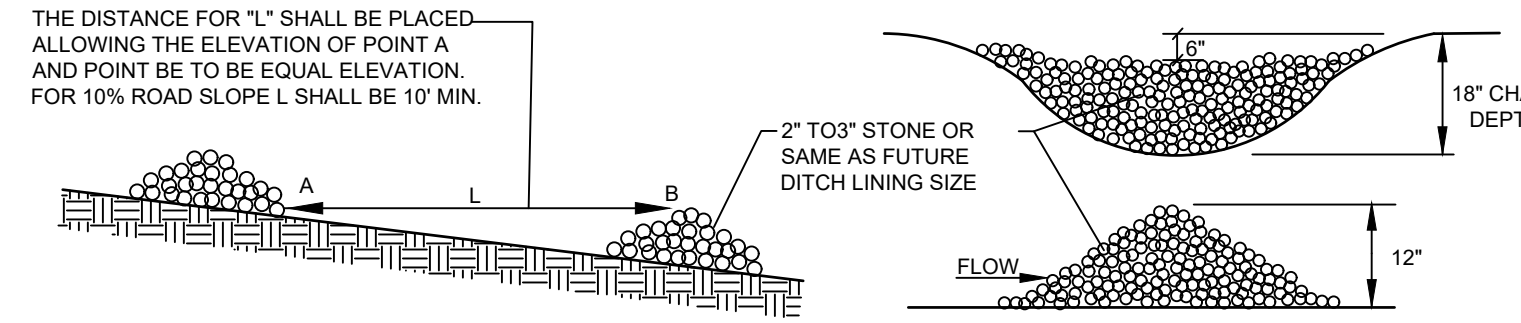


TYPICAL PAVEMENT JOINT

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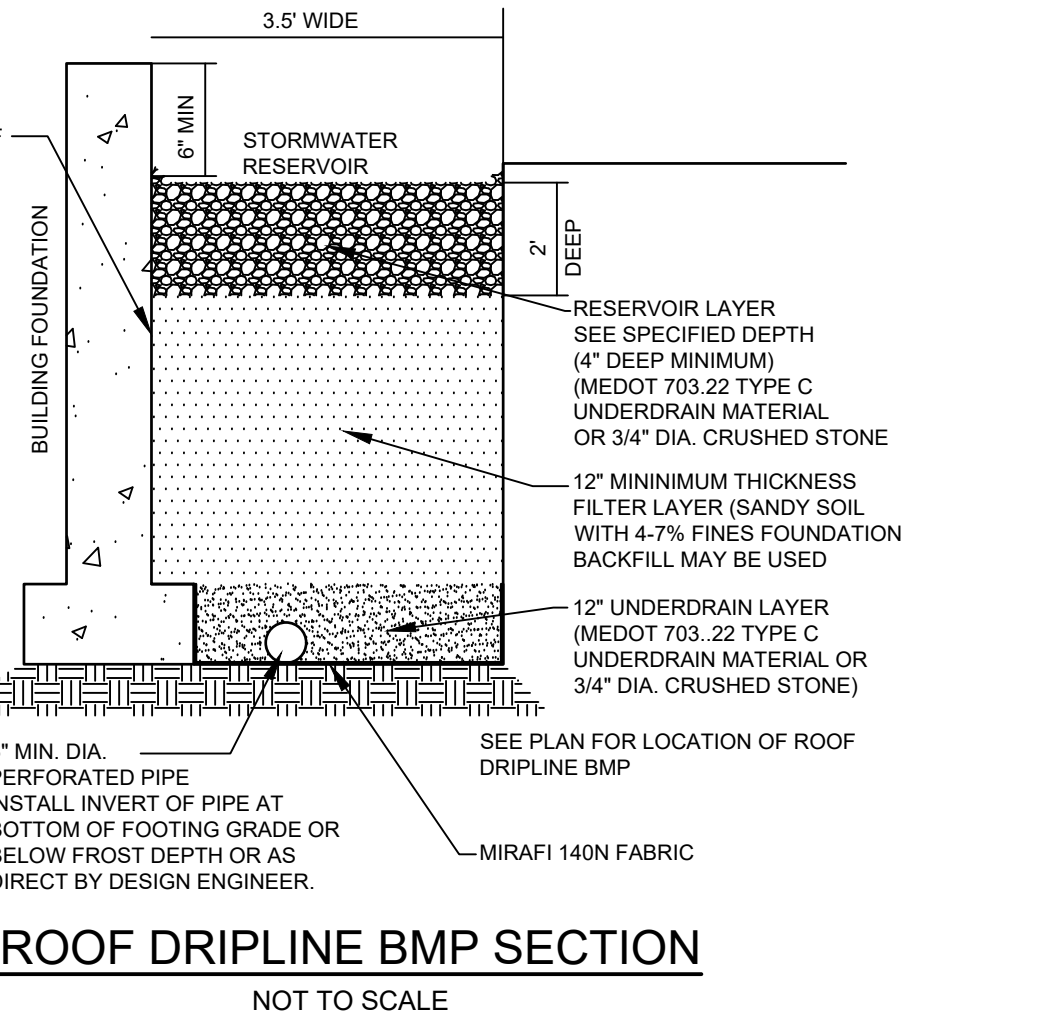
TYPICAL PARKING SECTION

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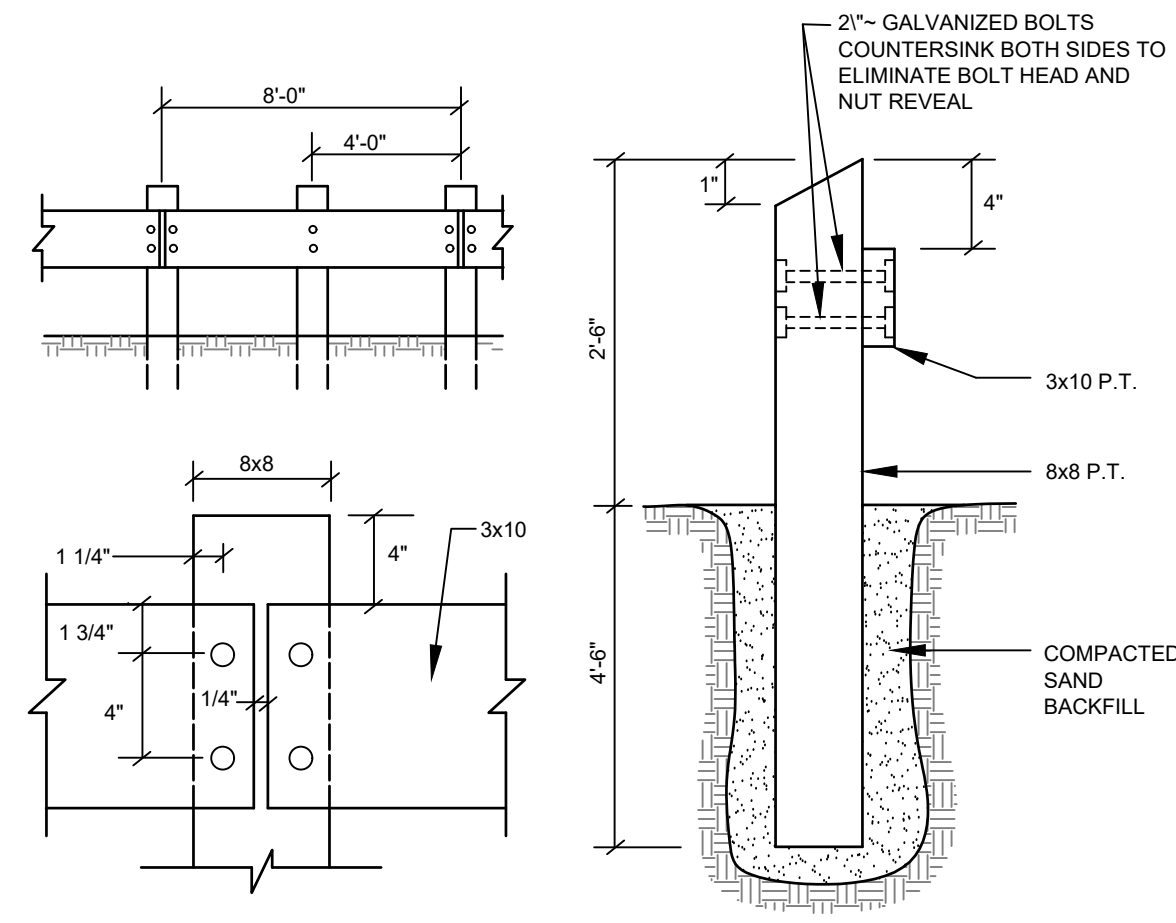
STONE CHECK DAM

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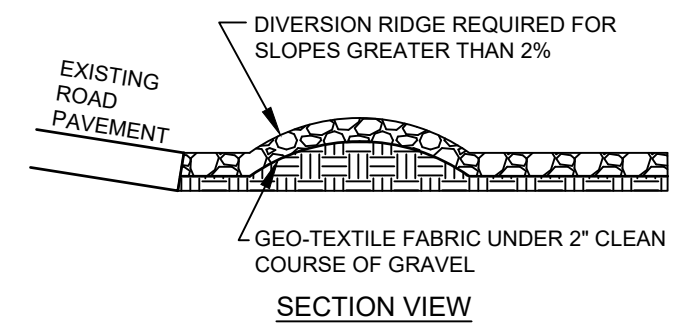
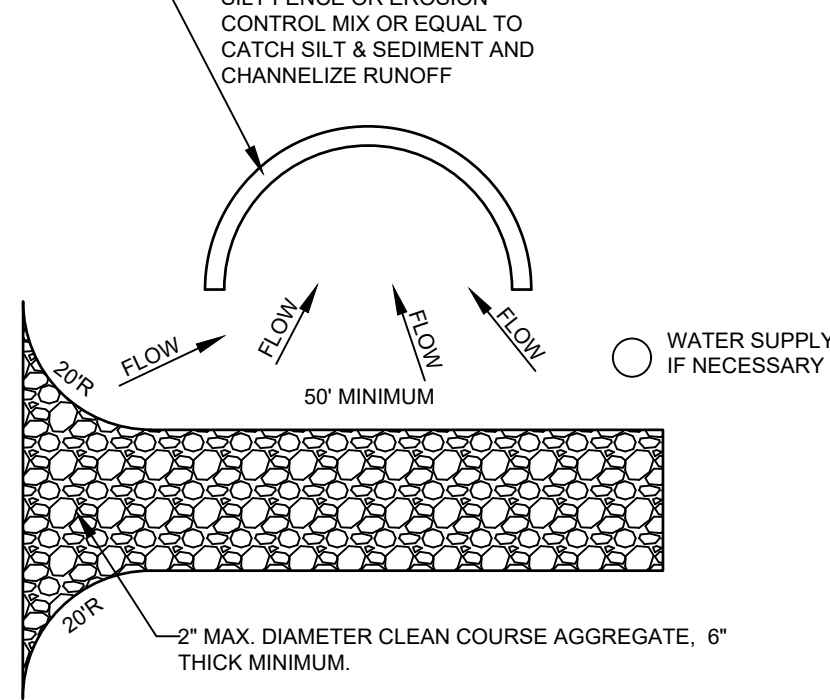
ROOF DRIPLINE BMP SECTION

NOT TO SCALE



PRESSURE TREATED WOOD GUARDRAIL

NOT TO SCALE

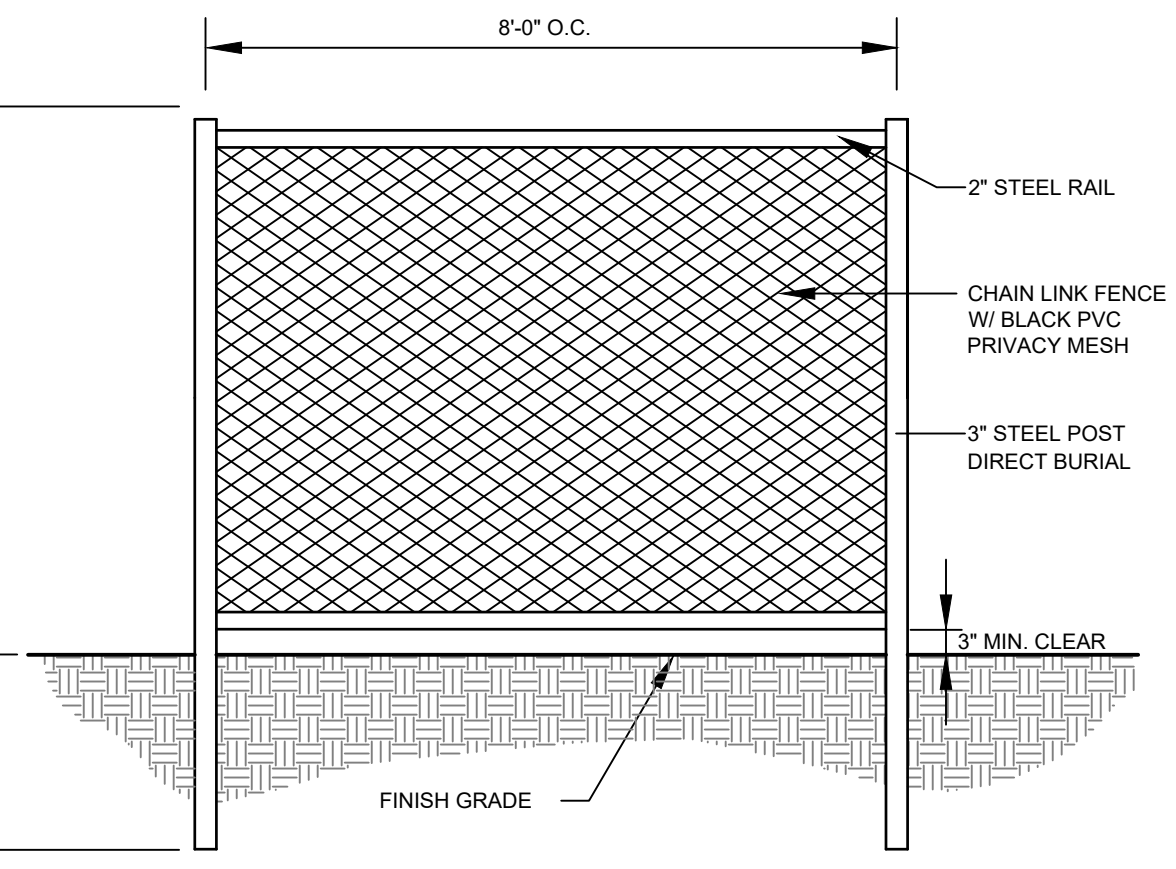


SECTION VIEW

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

CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



TYPICAL DUMPSTER ENCLOSURE

NOT TO SCALE

ST.CLAIR ASSOCIATES

LAND SURVEYING AND CIVIL ENGINEERING
34 Forest Lane
Cumberland, ME 04021
Tel (207) 829-5555

PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAWN
20073		DCS	DCS	DCS

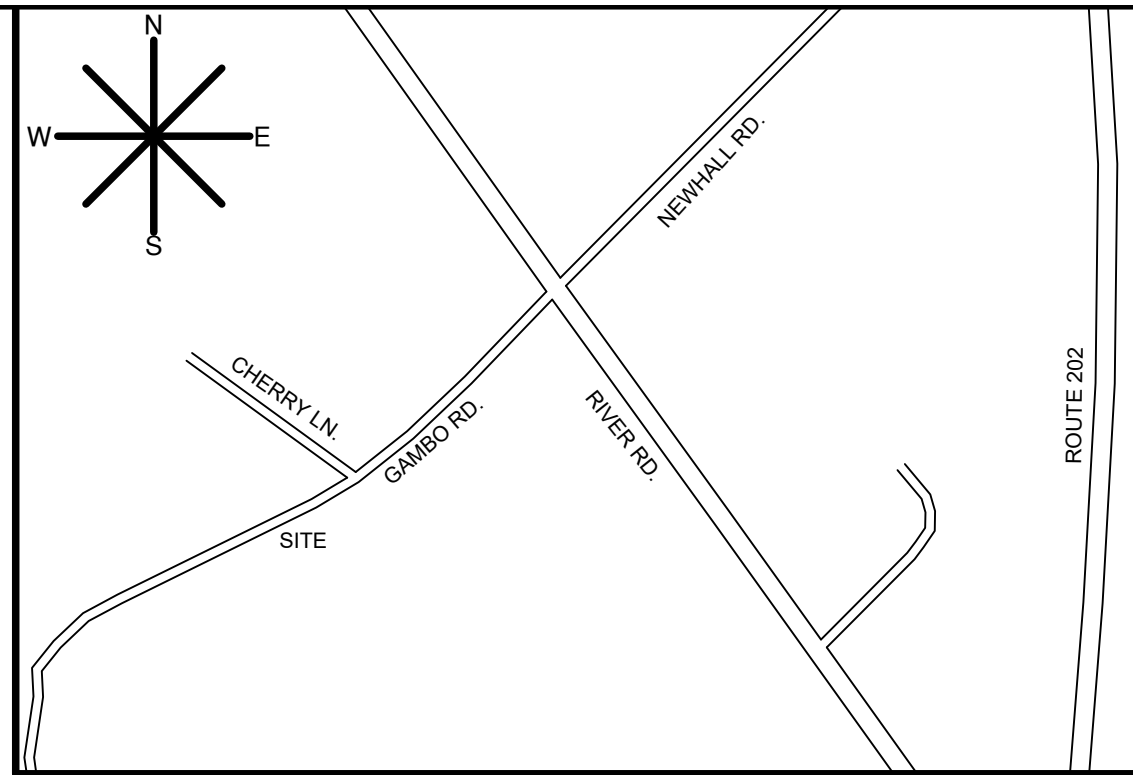
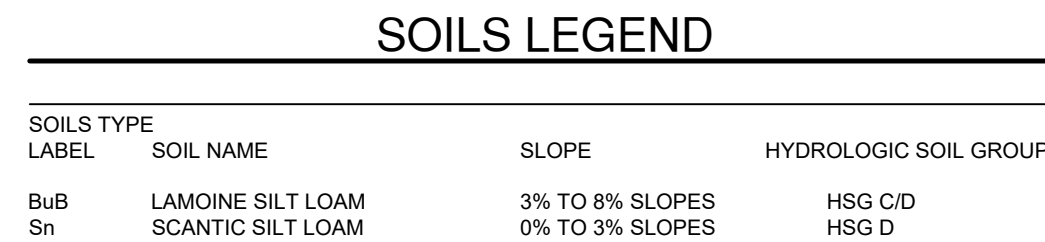
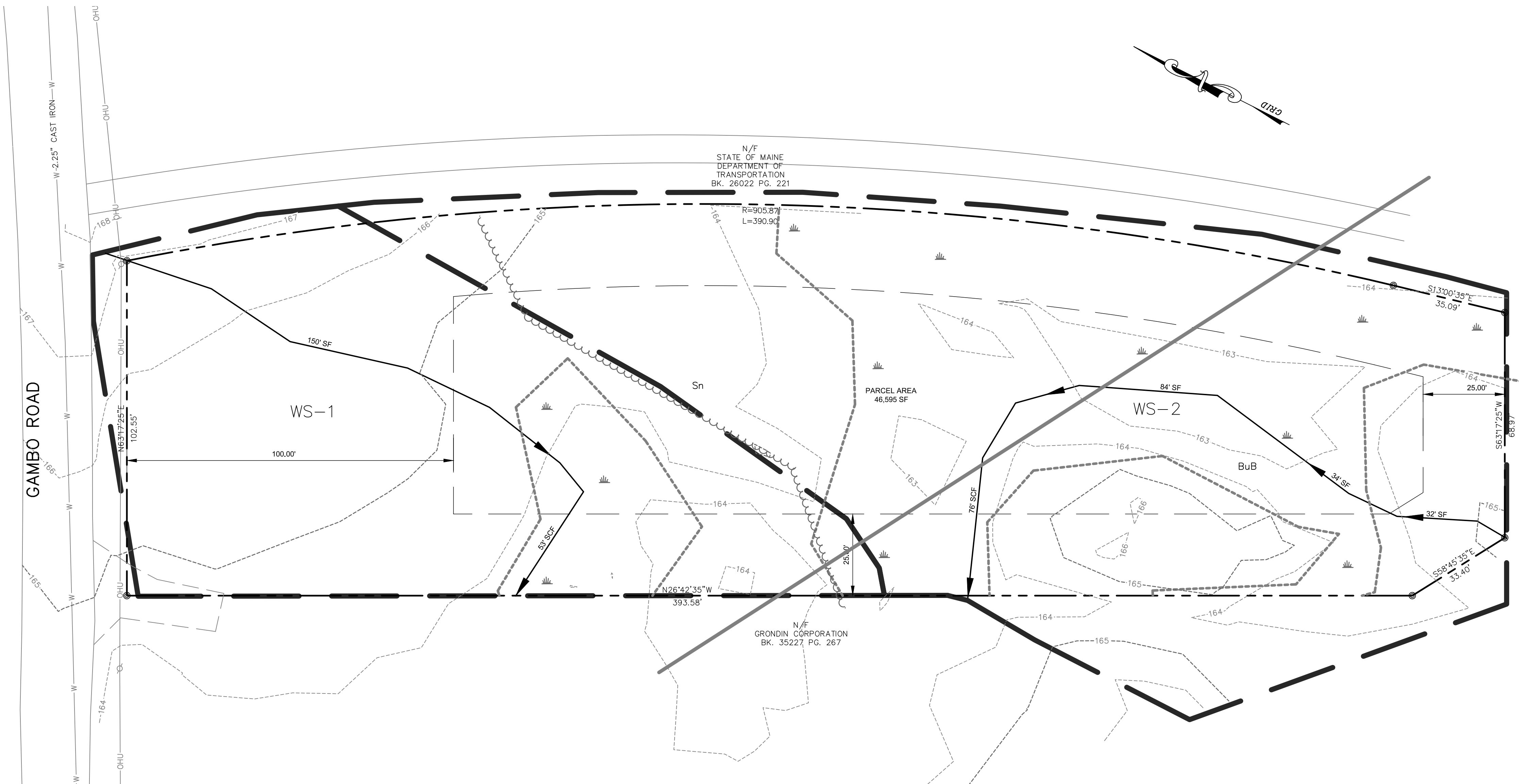
DETAILS

OF: GAMBO ROAD PROPERTY
GAMBO ROAD
WINDHAM, MAINE
FOR: S&N INVESTMENTS LLC
91 AUBURN STREET, SUITE J #240
PORTLAND, MAINE 04103

DATE	SCALE
06-07-2021	NTS

SHEET 6

20073S TAB 20073D-2



N.T.S.

REV:	A	DCS	06-07-2021	STATUS:	FOR TOWN REVIEW
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM STCLAIR ASSOCIATES. ANY ALTERATIONS AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO STCLAIR ASSOCIATES.					

ST. CLAIR ASSOCIATES

LAND SURVEYING AND CIVIL ENGINEERING

34 Forest Lane
Cumberland, ME 04021
Tel (207) 623-5556

PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAWN
2007/3	ELECT.	DCS	DCS	DCS

PRE-DEVELOPMENT WATERSHED MAP

GAMBO ROAD PROPERTY

WINDHAM, MAINE
FOR:

S&N INVESTMENTS LLC
91 AUBURN STREET, SUITE J #240

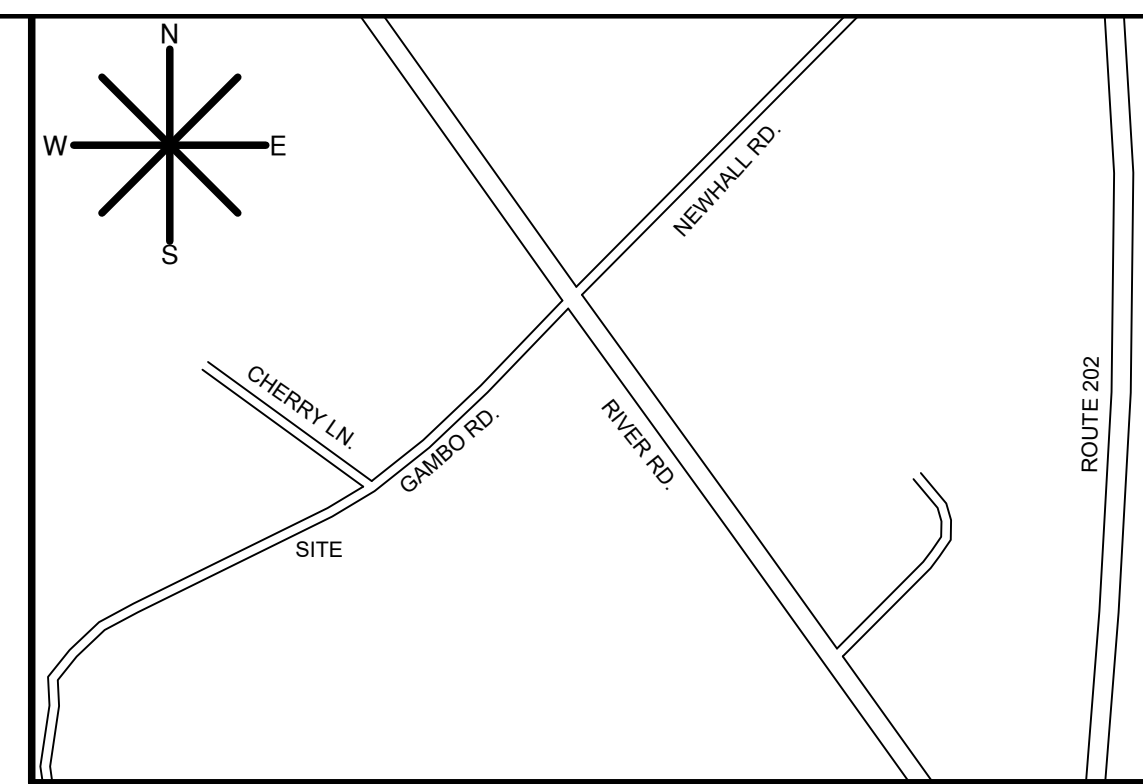
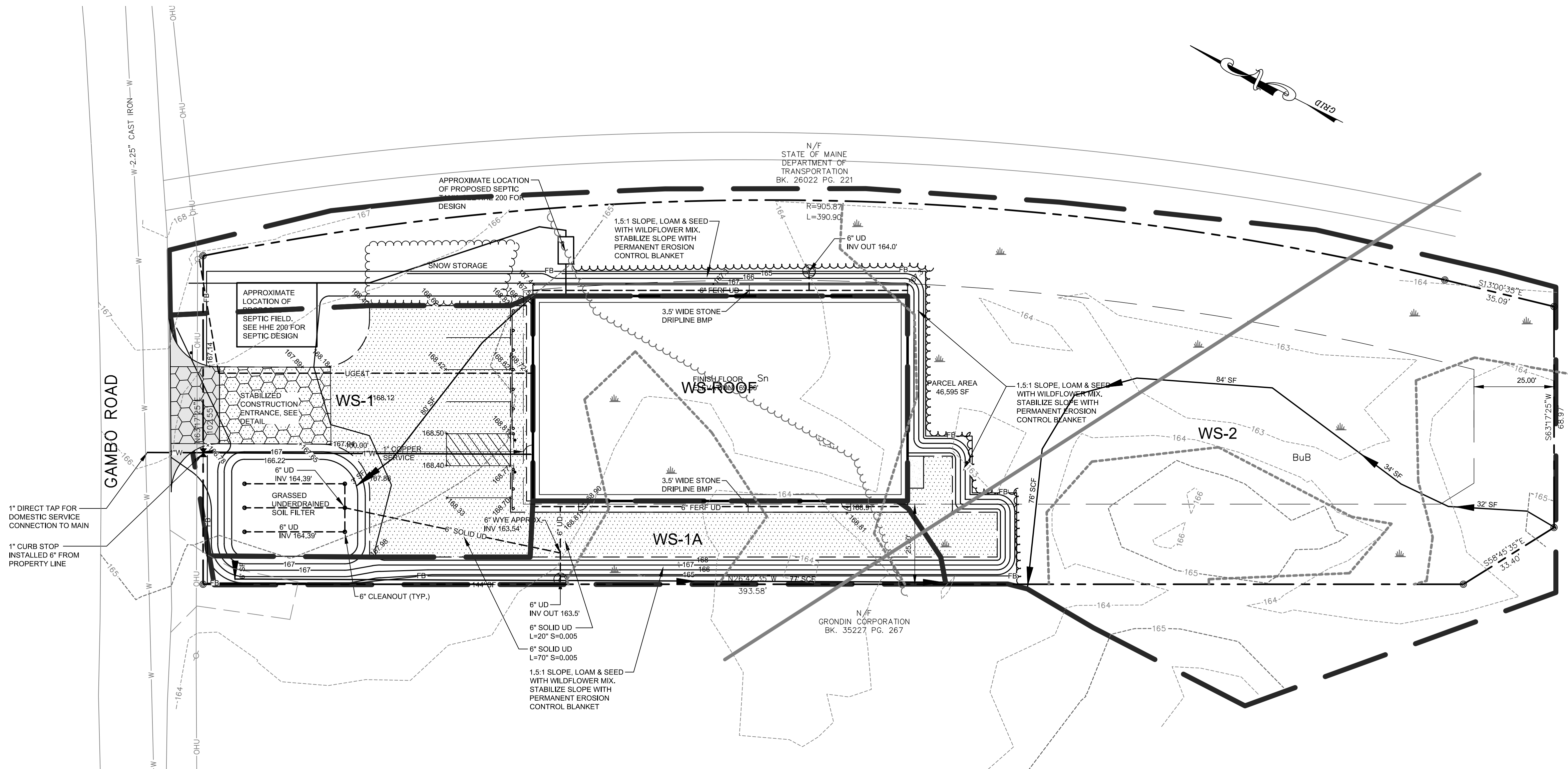
PORTLAND, MAINE 04103

DATE	SCALE
06-07-2021	1" = 20'

SHEET 7

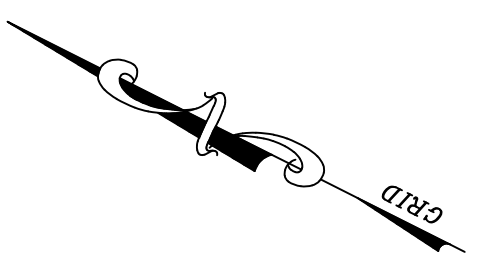
20073S TAB 20073PRE-WS

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	BOUNDARY LINE/R.O.W.	
	SETBACK	
	BUILDING	
	EDGE PAVEMENT	
	EDGE OF GRAVEL	
	CONTOURS	
	WETLANDS	
	EDGE WETLAND	
	SOILS BOUNDARY	
	TREELINE	
	UTILITY POLE	
	GUARDRAIL	
	OVERHEAD ELEC. & TEL.	
	WATER	
	GATE VALVE	
	FILTER BARRIER	
	RIPRAP	



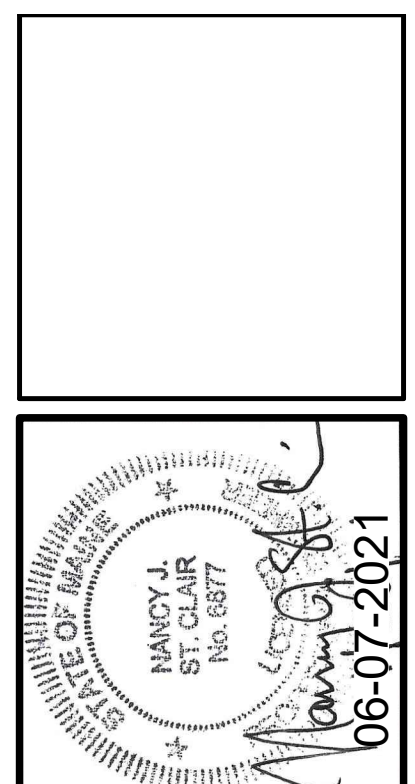
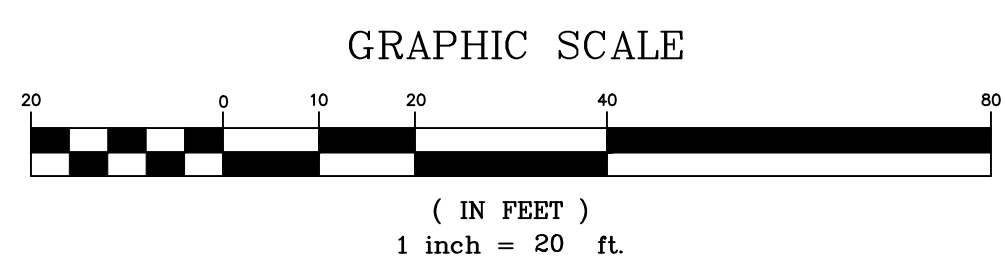
LOCATION MAP

N.T.S.



SOILS LEGEND			
SOILS TYPE LABEL	SOIL NAME	SLOPE	HYDROLOGIC SOIL GROUP
BuB	LAMOINE SILT LOAM	3% TO 8% SLOPES	HSG C/D
Sn	SCANTIC SILT LOAM	0% TO 3% SLOPES	HSG D

LEGEND (WATERSHED MAP)		
EXISTING	DESCRIPTION	PROPOSED
	TCPATH WATERSHED	
WS-1	SUBCATCHMENT	WS-1



REV.	BY:	DATE:	STATUS:
A	NST	06-07-2021	FOR TOWN REVIEW

ST. CLAIR ASSOCIATES
LAND SURVEYING AND CIVIL ENGINEERING
34 Forest Lane
Cumberland, ME 04021
Tel (207) 829-5555

PROJECT NO.	20073	FIELD BOOK	DESIGN	CHKD	DCS	DRAWN	DCS
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POST-DEVELOPMENT WATERSHED MAP
OF:
GAMBO ROAD PROPERTY
CAMBO ROAD
WINNHAM, MAINE
FOR:
S&N INVESTMENTS LLC
91 AUBURN STREET, SUITE J #240
PORTLAND, MAINE 04103

DATE	SCALE
06-07-2021	1" = 20'

SHEET 8

20073S TAB 20073P-POST-WS