

RAYMOND PUBLIC WORKS

170 PLAINS ROAD
RAYMOND, MAINE 04071

OWNER:
**THE INHABITANTS OF THE
TOWN OF RAYMOND**
401 WEBBS MILLS ROAD
RAYMOND, ME 04071

**ENGINEER/SURVEYOR/
LANDSCAPE ARCHITECT:**

**SEBAGO
TECHNICS**

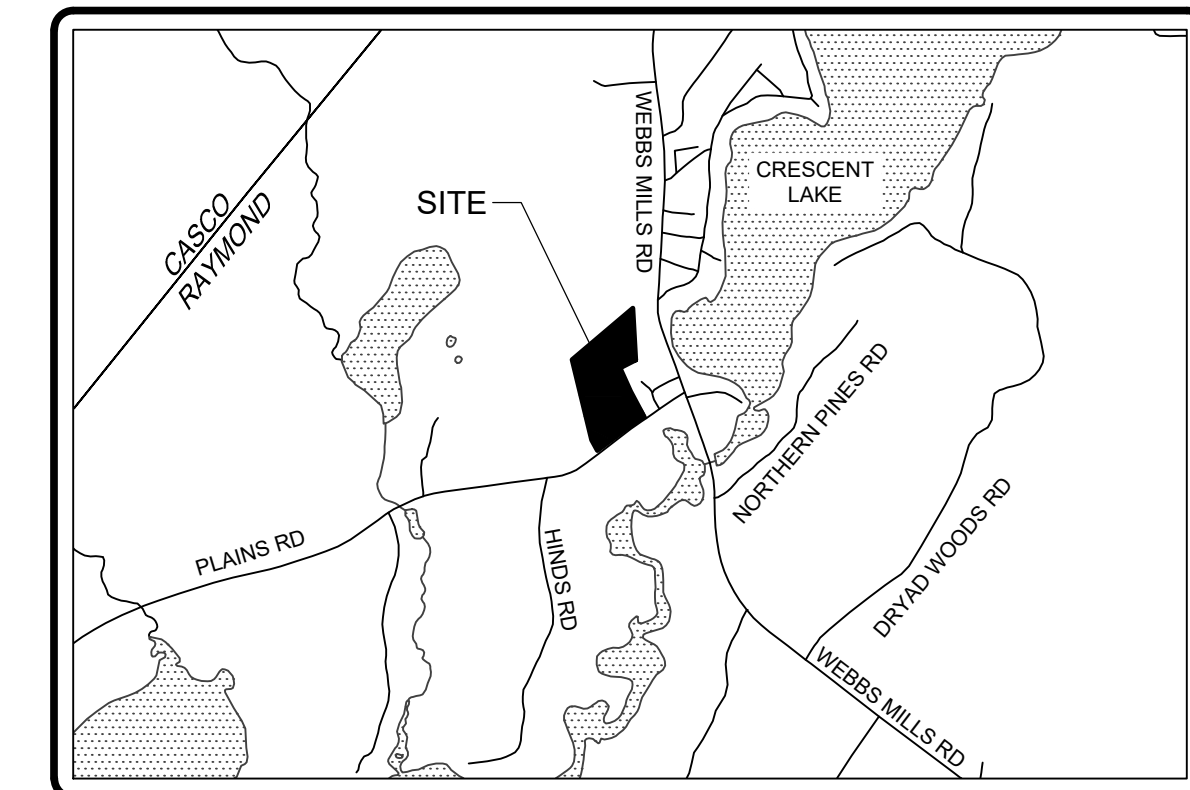
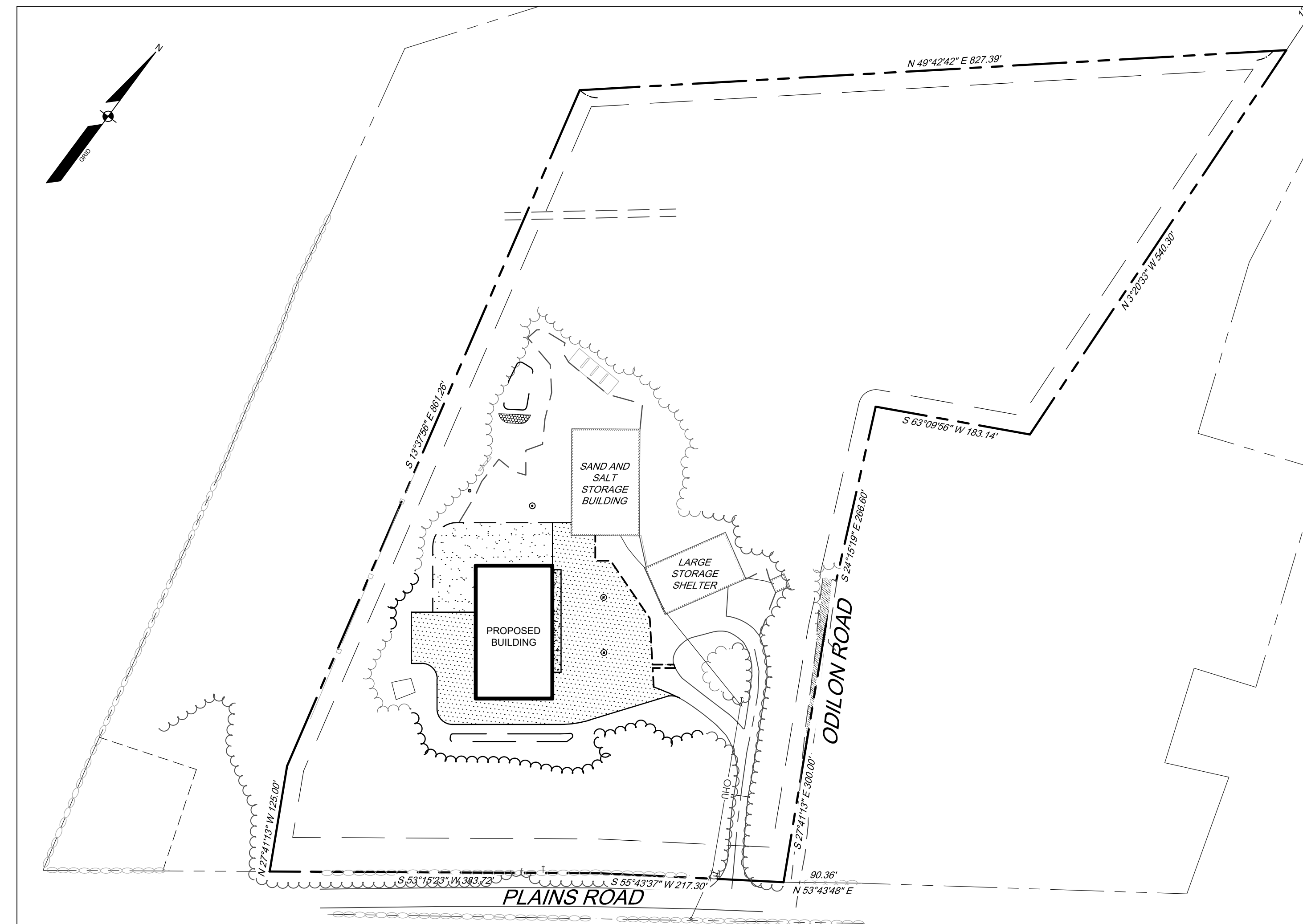
WWW.SEBAGOTECHNICS.COM

75 John Roberts Rd.
Suite 4A
South Portland, ME 04106
Tel. 207-200-2100

PROJECT ARCHITECT:

**MIKE HAYS
GRANT HAYS ASSOCIATES**

P.O. BOX 6179
FALMOUTH, ME 04105
207-871-5900



LOCATION MAP

SHEET LIST TABLE

SHEET TITLE

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NOT FOR
CONSTRUCTION

OWENS A. MCCULLOUGH, P.E.T.Y.Z.
04/25/2024

REV.	BY	DATE	STATUS
B	OAM	04-03-2024	ISSUED FOR DESIGN DEVELOPMENT REVIEW
A	OAM	03-12-2024	ISSUED FOR SCHEMATIC DESIGN REVIEW

THIS PLAN SHALL NOT BE COPIED, REPRODUCED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHNICS, INC.

**SEBAGO
TECHNICS**
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South Portland, ME 04106
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COVER
OF:
RAYMOND PUBLIC WORKS
170 PLAINS ROAD
RAYMOND, MAINE 04071
FOR:
THE INHABITANTS OF THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, MAINE 04071

DESIGNED	JSH
DRAWN	CJC
CHECKED	OAM
DATE	10/19/2023
SCALE	1" = 100'
PROJECT	14056

SHEET 1 OF 9

LEGEND

Table with columns for EXISTING and PROPOSED symbols and descriptions for various features like PROPERTY LINE, TIE LINE, SETBACK, EASEMENT, BUFFER, FLOODPLAIN, FLOODWAY, CENTERLINE, MONUMENT, IRON PIPE/ROD, DRILL HOLE, DEED CALL, CURVE, ZONE LINE, BENCHMARK, SURVEY CONTROL, TEST PIT, MONITORING WELL, BORING, BUILDING, DECK/STEPS/OVERHANG, EDGE WETLAND, WETLANDS, UPLANDS, STREAM, LEDGE, EDGE PAVEMENT, PAVEMENT SAWCUT, EDGE CONCRETE, PAVEMENT PAINT, EDGE GRAVEL, CURB LINE, EDGE OF WATER, TREELINE, CONTOURS, SPOT GRADE, CHAIN LINK FENCE, BARB WIRE FENCE, STOCKADE FENCE, GUARD RAIL, STONE WALL, RETAINING WALL, DECIDUOUS TREE, CONIFEROUS TREE, MULCH LINE, BOLLARD, SIGN, RAILROAD, GAS, GAS GATE VALVE, GAS METER, GAS MANHOLE, WATER, WATER GATE VALVE, WATER SHUT OFF, HYDRANT, WATER MANHOLE, WELL, SANITARY SEWER, FORCE MAIN, SANITARY MANHOLE, STORM DRAIN, UNDER DRAIN, DRAINAGE MANHOLE, CATCH BASIN, OVERHEAD UTILITY, UNDERGROUND UTILITY, TRANSFORMER PAD, ELECTRICAL MANHOLE, ELECTRIC METER, HVAC UNIT, TELEPHONE MANHOLE, LIGHT POLE, UTILITY POLE, GUY WIRE, DRAINAGE DITCH, EROSION CONTROL BLANKET, FILTER BARRIER, RIPRAP, CHECK DAM, INLET PROTECTION, BOULDER.

GENERAL NOTES

- 1. THE RECORD OWNER OF THE PARCEL IS THE INHABITANTS OF THE TOWN OF RAYMOND BY DEED DATED NOVEMBER 10, 1973 AND RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 3484, PAGE 70, BOOK 3484, PAGE 72 AND AN UNRECORDED DEED DATED JULY 1, 1994 FROM THE ROMAN CATHOLIC BISHOP OF PORTLAND TO THE INHABITANTS OF THE TOWN OF RAYMOND. A COPY OF THIS UNRECORDED DEED WAS PROVIDED TO SEBAGO TECHNICS, INC. BY THE TOWN OF RAYMOND.
2. THE PROPERTY IS SHOWN AS LOTS 45 AND 46 ON THE TOWN OF RAYMOND TAX MAP 9 AND IS LOCATED IN THE RURAL DISTRICT (R) DISTRICT. A PORTION OF THIS PROPERTY LOCATED ON THE NORTHEASTERLY SIDE OF THE LOT LIES WITHIN 600 FEET OF CRESCENT LAKE WITHIN THE LRR2 ZONE AS DEPICTED ON THE OFFICIAL ZONING MAP FOR THE TOWN OF RAYMOND. NONE OF THE PROPOSED WORK IS LOCATED WITHIN THIS AREA. SEBAGO TECHNICS HAS NOT LOCATED THE HIGH WATER LINE OF CRESCENT LAKE IN PERFORMING THIS SURVEY.
3. SPACE AND BULK CRITERIA FOR THE RURAL (R) DISTRICT AND LRR2 ARE AS FOLLOWS:
MINIMUM LOT SIZE: RURAL 3 ACRES, LRR2 3 ACRES
MINIMUM STREET FRONTAGE: 225 FEET, 225 FEET
MINIMUM FRONT YARD: 40 FEET, 30 FEET
MINIMUM SIDE YARD: 20 FEET, 20 FEET
MINIMUM REAR YARD: 20 FEET, 30 FEET
MAXIMUM BUILDING HEIGHT: 25 FEET, 25 FEET
UPLAND EDGE PROTECTED WETLAND: 250 FEET
* SEE ORDINANCE FOR MORE PARTICULAR INFORMATION.
4. TOTAL AREA OF PARCEL IS APPROXIMATELY 13.96 ACRES.
5. BOUNDARY INFORMATION SHOWN HEREON IS BASED UPON FIELD WORK PERFORMED BY SEBAGO TECHNICS, INC. IN AUGUST 2014, TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON FIELD WORK PERFORMED BY SEBAGO TECHNICS, INC. IN DECEMBER 2023 AND 2022 LIDAR INFORMATION.
6. PLAN REFERENCES:
A. "PLAN OF CRESCENT PINES BEACH ASSOCIATION IN RAYMOND, MAINE" AS REVISED THROUGH NOVEMBER 27, 1973 BY OWEN HASKELL, INC. A COPY OF THIS PLAN WAS OBTAINED FROM OWEN HASKELL, INC.
B. "PLAN OF CRESCENT LAKE COTTAGE CONDOMINIUMS, ROUTE 85, RAYMOND, MAINE FOR THERESA & PHILIP GAGNON" DATED DECEMBER 2, 1996 AND REVISED THROUGH APRIL 23, 1997 BY OWEN HASKELL, INC. THIS PLAN IS RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 162, PAGE 14.
C. "TOWN OF RAYMOND, RAYMOND, MAINE - SALT SHED SITE PLAN" DATED SEPTEMBER 12, 1989 BY DEARBORN/WHITED. A COPY OF THIS PLAN WAS PROVIDED BY THE TOWN OF RAYMOND.
7. PLAN ORIENTATION IS GRID NORTH. MAINE STATE PLANE COORDINATE SYSTEM. WEST ZONE 1802-NAD83. ELEVATIONS DEPICTED HEREON ARE NAVD83, BASED ON DUAL FREQUENCY GPS OBSERVATIONS.
8. UTILITY INFORMATION DEPICTED HEREON IS COMPILED USING PHYSICAL EVIDENCE LOCATED IN THE FIELD. UTILITIES DEPICTED HEREON 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.
9. THE LOCUS PROPERTY AS DEPICTED HEREON DOES NOT FALL WITHIN A SPECIAL FLOOD HAZARD AREA AS DELINEATED ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF RAYMOND, MAINE, CUMBERLAND COUNTY, COMMUNITY PANEL NUMBER 23025 001 B, HAVING AN EFFECTIVE DATE OF MAY 5, 1981. THE LOCUS FALLS WITHIN AN AREA IDENTIFIED AS AN UNSHADED ZONE C, AREAS OF MINIMAL FLOODING.
10. ALL WORK SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES.
11. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
12. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND IN THE FIELD.
13. PROVIDE ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND OWNER'S REQUIREMENTS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
14. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
15. CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMENT DEPOSITED ON PUBLIC STREETS, SIDEWALKS, ADJACENT AREAS, OR OTHER PUBLIC WAYS DUE TO CONSTRUCTION.
16. CONTRACTOR SHALL INCORPORATE PROVISIONS AS NECESSARY IN CONSTRUCTION TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES, AND MAINTAIN SITE STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL CONDITION AND AS DIRECTED BY DESIGN DRAWINGS.
17. SITE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
18. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH "MAINE EROSION AND SEDIMENT CONTROL BMPs" PUBLISHED BY THE BUREAU OF LAND AND WATER QUALITY OF THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, LATEST EDITION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL PLAN AT ALL TIMES.
19. ALL PAVEMENT MARKINGS AND DIRECTIONAL SIGNAGE SHOWN ON THE PLAN SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.
20. ALL PAVEMENT JOINTS SHALL BE SAWCUT PRIOR TO PAVING TO PROVIDE A DURABLE AND UNIFORM JOINT.
21. NO HOLES, TRENCHES OR STRUCTURES SHALL BE LEFT OPEN OVERNIGHT IN ANY EXCAVATION ACCESSIBLE TO THE PUBLIC OR IN PUBLIC RIGHTS-OF-WAY.
22. IMMEDIATELY UPON COMPLETION OF CUTS/FILLS, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH EROSION CONTROL NOTES AND AS SPECIFIED ON PLANS.
23. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REMOVAL, REPLACEMENT AND RECTIFICATION OF ALL DAMAGED AND DEFECTIVE MATERIAL AND WORKMANSHIP IN CONNECTION WITH THE CONTRACT WORK. THE CONTRACTOR SHALL REPLACE OR REPAIR AS DIRECTED BY THE OWNER ALL SUCH DAMAGED OR DEFECTIVE MATERIALS WHICH APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
24. ALL WORK PERFORMED BY THE GENERAL CONTRACTOR AND/OR TRADE SUBCONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF LOCAL, STATE OR FEDERAL LAWS, AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED ON THE DRAWINGS.
25. WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL QUALIFYING TERMS ARE USED IN THESE NOTES, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND JUDGEMENT OF SEBAGO TECHNICS, INC.
26. THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR THE WORK UNTIL TURNED OVER TO THE OWNER.
27. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES.
28. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY CHANGES AND DEVIATION OF APPROVED PLANS NOT AUTHORIZED BY THE ARCHITECT/ENGINEER AND/OR CLIENT/OWNER.
29. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. ANY MODIFICATION TO SUIT FIELD DIMENSION AND CONDITION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY WORK.
30. BEFORE THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND MATERIALS, REPAIR OR REPLACE PRIVATE OR PUBLIC PROPERTY WHICH MAY HAVE BEEN DAMAGED OR DESTROYED DURING CONSTRUCTION, CLEAN THE AREAS WITHIN AND ADJACENT TO THE PROJECT WHICH HAVE BEEN OBSTRUCTED BY HIS/HER OPERATIONS, AND LEAVE THE PROJECT AREA NEAT AND PRESENTABLE.
31. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FLOW THROUGH THE EXISTING CLOSED STORM DRAINAGE SYSTEM DURING CONSTRUCTION AND SHALL SUBMIT A WORK PLAN FOR APPROVAL BY THE DESIGN ENGINEER.

DEMOLITION NOTES:

- 1. DEMOLITION SHALL BE COMPLETED IN COORDINATION WITH NEW INFRASTRUCTURE. CONTRACTOR SHALL MAINTAIN SURFACE DRAINAGE DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY DRAINAGE PROVISIONS.
2. MINIMIZE TREE CLEARING FOR PROPOSED IMPROVEMENTS.
3. PROTECT EXISTING SAND AND SALT SHED, EXISTING OVERHEAD LINES AND UTILITY POLES.

UTILITY DEMOLITION NOTES

- 1. PROTECT EXISTING BOUNDARY LINE MONUMENTATION. IF DISTURBED, EXISTING MONUMENTATION TO BE RESET BY A PROFESSIONAL LAND SURVEYOR.
2. DEMOLITION OF UTILITIES REQUIRING TREE REMOVAL SHALL BE COORDINATED WITH THE OWNER AND IN ACCORDANCE WITH PROJECT PLANS.
3. UTILITY DEMOLITION SHALL BE COMPLETED IN COORDINATION WITH NEW INFRASTRUCTURE. CONTRACTOR SHALL ENSURE EXISTING SURFACE DRAINAGE IS MAINTAINED DURING CONSTRUCTION.
4. DEMOLITION SHOWN IS FOR MAJOR SITE ELEMENTS TO BE DEMOLISHED. OTHER MINOR DEMOLITION MAY BE REQUIRED AS PART OF CONSTRUCTION AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF CONSTRUCTION. COORDINATE ALL DEMOLITION WORK WITH SITE AND BUILDING DRAWINGS.
5. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL SUBMIT A SEQUENCE OF DEMOLITION PLANS TO THE OWNER. THIS PLAN SHALL DEPICT LOCATIONS OF PROPOSED TERMINATIONS AND ANY TEMPORARY SERVICES THAT WILL BE NEEDED.
6. CONTRACTOR REQUIRED TO CONFIRM/MAINTAIN BENCHMARKS. IF IMPACTED CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION/RELOCATION AND COORDINATION WITH PROJECT TEAM.

GRADING & EROSION NOTES

- 1. SIDESLOPES SHALL NOT BE STEEPER THAN 3:1 (H:V) EXCEPT AS OTHERWISE IDENTIFIED ON THIS PLAN. ALL SIDESLOPES STEEPER THAN 3:1 (H:V) SHALL BE LINED WITH EROSION CONTROL BLANKET, OR ADDITIONAL MEASURES AS INDICATED.
2. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH "MAINE EROSION AND SEDIMENT CONTROL BMPs" MANUAL PUBLISHED BY BUREAU OF LAND AND WATER QUALITY MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, LATEST EDITION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL PLAN AT ALL TIMES.
3. ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE LOAM AND SEED PER DETAIL.
4. SEE GRADING AND UTILITY DRAWING FOR PIPE AND STRUCTURE DATA.

CONSTRUCTION PLAN

- 1. PROVIDE EROSION CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
2. BEFORE TREE CLEARING, REFER TO PLANS FOR TREE CLEARING LIMIT.
3. GRADINGS AND CLEARING LIMITS SHALL NOT ENCRONCH ON ADJACENT PROPERTIES UNLESS NOTED OTHERWISE ON THE PLANS.
4. OPEN AREAS SHALL BE LIMITED TO AREAS BEING WORKED IN. THE AREA STRIPPED OF EXISTING VEGETATION AT ANY GIVEN TIME SHALL BE MINIMIZED AND BE PHASED WHERE PRACTICAL SO THAT AREAS ARE REVEGETATED AND PERMANENTLY STABILIZED BEFORE ADDITIONAL AREAS ARE STRIPPED OF EXISTING VEGETATION. STABILIZE CONSTRUCTION AREAS BY USE OF RIPRAP, SEED, MULCH, OR OTHER GROUND COVER WITHIN ONE WEEK FROM THE TIME IT WAS ACTIVELY WORKED. SURFACES SHALL BE STABILIZED PRIOR TO DIRECTING STORMWATER RUNOFF TOWARD STORMWATER BMPs. PLEASE REFER TO DRAINAGE PLANS FOR WATERSHED AREAS.
5. UTILITY CONTACTS:
ELECTRIC:
CENTRAL MAINE POWER (CMP)
CRAIG, BATE, DISTRIBUTION CONSTRUCTION MANAGER
(207) 578-2062

UTILITY NOTES

- 1. UTILITY INFORMATION DEPICTED HEREON IS COMPILED USING PHYSICAL EVIDENCE LOCATED IN THE FIELD. UTILITIES DEPICTED HEREON 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. PROTECT EXISTING ON-SITE SEWER PIPE AND ADJUST MANHOLE RIMS TO GRADE WHERE APPLICABLE.
2. ALL GRAVITY CONDUIT PIPES SHALL BE INSTALLED USING A PIPE LASER AND TARGET SYSTEM THROUGH THE PIPE. ON PIPE RUNS 50 FEET OR LESS, THE CONTRACTOR SHALL REQUEST ENGINEER'S APPROVAL TO USE OR NOT USE A GROUND LASER.
3. MAINTAIN MINIMUM 5'-6" OF COVER ABOVE TOP OF WATER SERVICE PIPE.
4. MAINTAIN MINIMUM 10 FEET HORIZONTAL SEPARATION BETWEEN WATER SERVICES AND OTHER UTILITIES. MAINTAIN MINIMUM 18 INCHES VERTICAL SEPARATION BETWEEN WATER SERVICES AND OTHER UTILITIES.
5. LOWER OR RAISE WATER SERVICES AS REQUIRED TO MAINTAIN MINIMUM 12 INCH VERTICAL SEPARATION FROM OTHER UTILITIES. WATER SERVICES CROSSING SEWERS SHALL MAINTAIN 12 INCH MINIMUM SEPARATION BETWEEN THE BOTTOM OF WATER LINE AND TOP OF SEWER UNLESS NOTED OTHERWISE ON THE PLANS.
6. PIPE:
• SEWER PIPE SHALL BE SDR 35 PVC OR APPROVED EQUAL.
• STORMDRAIN SHALL BE ADS N-12 DUAL WALL HDPE PIPE WITH SMOOTH-WALLED INTERIOR OR APPROVED EQUAL UNLESS NOTED OTHERWISE ON THE UTILITY PLANS.
• WATER PIPE AND FITTINGS SHALL CONFORM TO THE DISTRICT HAVING JURISDICTION'S SPECIFICATIONS. MAIN WATER SERVICE PIPE SHALL BE DUCTILE IRON, CLASS 52 PUSH-ON PIPE MEETING THE REQUIREMENTS OF AWWA/ANSI C-111/A21.11 (LATEST REVISION). PIPE SHALL BE CEMENT-LINED AWWA/ANSI C104/A21.4 WITH LINING TWICE THE THICKNESS SPECIFIED, AND COATED TWICE WITH A BITUMINOUS SEAL COATING. PROVIDE THRUST BLOCKS AT ALL WATER SERVICE BENDS.
7. COORDINATE ALL UTILITY LOCATIONS AND INVERTS AT BUILDING WITH ARCHITECTURAL, STRUCTURAL AND PLUMBING DRAWINGS.
8. WATER SERVICE ENTRANCE DESIGNS TO INCLUDE METERS AND BACKFLOW PREVENTERS TO MEET ALL STANDARDS AND REQUIREMENTS OF THE DISTRICT HAVING JURISDICTION.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY GRADE CHANGES THAT WILL IMPACT STORM DRAINAGE INFRASTRUCTURE OR OTHER UTILITIES.
10. UTILITIES WITHIN 5 FEET FROM FACE OF BUILDING ARE COORDINATED ON RELEVANT M.E.P. DRAWINGS. CONTRACTOR SHALL COORDINATE INVERTS, CONNECTIONS AND MATERIALS WITH ALL DRAWINGS.
11. CONTRACTOR SHALL FURNISH AND INSTALL TRENCHING, MATERIALS AND BACKFILL FOR ALL UTILITIES. ELECTRICAL AND TELECOM DATA PROVIDERS WILL PULL PRIMARY SERVICE TO TRANSFORMER AND PANEL. CONTRACTOR RESPONSIBLE FOR TIMING AND COORDINATION WITH UTILITIES AND DRAWINGS. COORDINATE WITH ELECTRICAL DRAWINGS FOR CONDUIT SCHEDULE, TYPE AND SIZES.
12. THE CONTRACTOR IS HEREBY CAUTIONED THAT ALL SITE FEATURES SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS BY THE SURVEYOR AND BY INFORMATION PROVIDED BY UTILITY COMPANIES. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT DIG SAFE (811) AT LEAST THREE (3) BUT NOT MORE THAN THIRTY (30) DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES.
13. CONTRACTOR SHALL BE AWARE THAT DIG SAFE ONLY NOTIFIES ITS "MEMBER" UTILITIES ABOUT THE DIG. WHEN NOTIFIED, DIG SAFE WILL ADVISE CONTRACTOR OF MEMBER UTILITIES IN THE AREA. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND CONTACTING NON-MEMBER UTILITIES DIRECTLY. NON-MEMBER UTILITIES MAY INCLUDE TOWN OR CITY WATER AND SEWER DISTRICTS AND SMALL LOCAL UTILITIES, AS WELL AS USG PUBLIC WORKS SYSTEMS.
14. CONTRACTORS SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS OF 23 MRS 3380-A. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE APPROPRIATE UTILITIES TO OBTAIN AUTHORIZATION PRIOR TO RELOCATION OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS. IF A UTILITY CONFLICT ARISES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, THE MUNICIPALITY AND APPROPRIATE UTILITY COMPANY PRIOR TO PROCEEDING WITH ANY RELOCATION.
15. UTILITY CONTACTS:
ELECTRIC:
CENTRAL MAINE POWER (CMP)
CRAIG, BATE, DISTRIBUTION CONSTRUCTION MANAGER
(207) 578-2062

TYPICAL ABBREVIATIONS

Table with columns for ABBREVIATION and DESCRIPTION. Includes AC (ACRE), AFG (ABOVE FINISH GRADE), APPROX (APPROXIMATELY), BC (BOTTOM OF CURB), BCC (BITUMINOUS CONCRETE CURB), BIT (BITUMINOUS), BLDG (BUILDING), BW (BOTTOM OF WALL), CB (CATCH BASIN), CONC (CONCRETE), CONT (CONTINUOUS), DI (DUCTILE IRON), DIA (DIAMETER), DMH (DRAIN MANHOLE), E.W. (EACH WAY), EL (ELEVATION), ELEV (ELEVATION), FFE (FINISH FLOOR ELEVATION), FIN. GR. (FINISH GRADE), FOOTING (FOOTING), HDPE (HIGH DENSITY POLYETHYLENE), HGT (HEIGHT), HMA (HOT MIX ASPHALT), INV (INVERT), LF (LINEAR FEET), OC (ON CENTER), PVC (POLYVINYL CHLORIDE), PWD (PORTLAND WATER DISTRICT), R (RADIUS), R.O.W. (RIGHT OF WAY), S.F. (SQURE FEET), SCH (SCHEDULE), SCSC (SLIPFORM CONCRETE SLOPED CURB), SCVC (SLIPFORM CONCRETE VERTICAL CURB), SD (STORM DRAIN), SGC (SLOPED GRANITE CURB), SMH (SEWER MANHOLE SPECS SPECIFICATIONS), SS (SANITARY SEWER), SSGC (SALVAGED SLOPED GRANITE CURB), SVGC (SALVAGED VERTICAL GRANITE CURB), TC (TOP OF CURB), TW (TOP OF WALL), TYP (TYPICAL), VGC (VERTICAL GRANITE CURB), VIF (VERIFY IN FIELD).

NOT FOR CONSTRUCTION

OWENS A. MCCULLOUGH, P.E., P.T.S. 04/25/2024

Table with columns for REV. NO., DATE, DESCRIPTION. Includes B OAM 04-03-2024 ISSUED FOR DESIGN DEVELOPMENT REVIEW, A OAM 03-12-2024 ISSUED FOR SCHEMATIC DESIGN REVIEW.

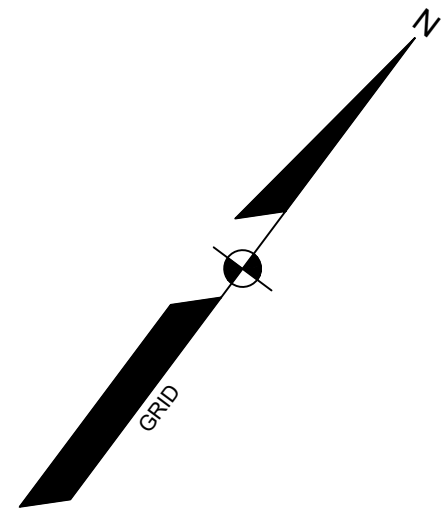
SEBAGO TECHNICS logo and contact information: 75 John Roberts Rd., Sullis, IA, South Portland, ME 04106, Tel. 207-200-2100.

NOTES AND LEGEND OF: RAYMOND PUBLIC WORKS, 170 PLAINS ROAD, RAYMOND, MAINE 04071. FOR: THE INHABITANTS OF THE TOWN OF RAYMOND, 401 WEBBS MILLS ROAD, RAYMOND, MAINE 04071.

Table with columns for ACTION and NAME. Includes DESIGNED (JSH), DRAWN (CJC), CHECKED (OAM), DATE (10/19/2023), SCALE (NTS), PROJECT (14056).

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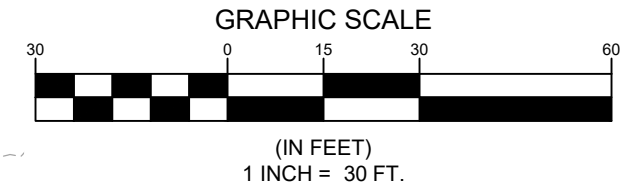
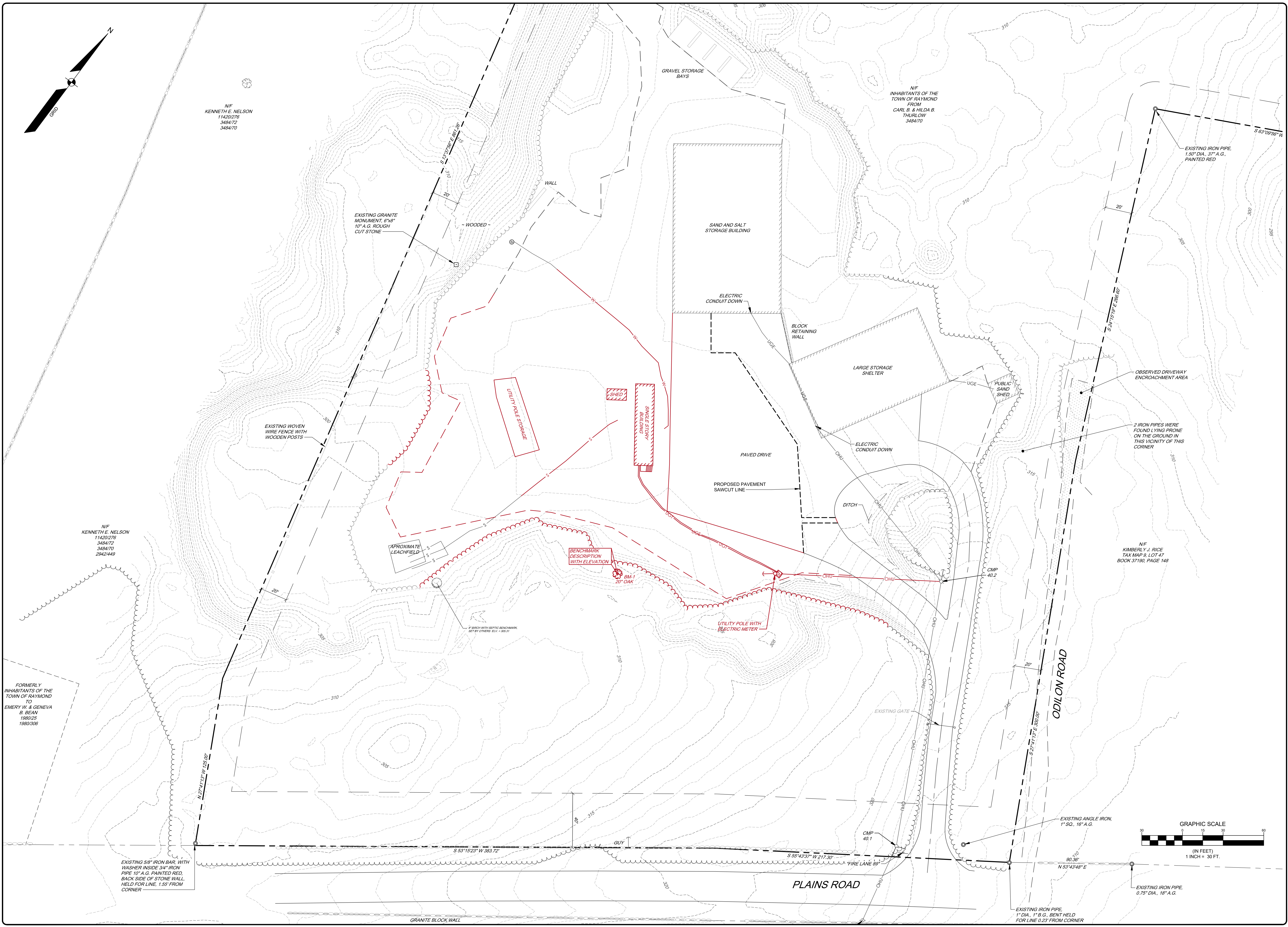


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FORMERLY
INHABITANTS OF THE
TOWN OF RAYMOND
TO
EMERY W. & GENEVA
B. BEAN
198025
1980306

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OWENS A. MCCULLOUGH, P.E. 04/22/2024

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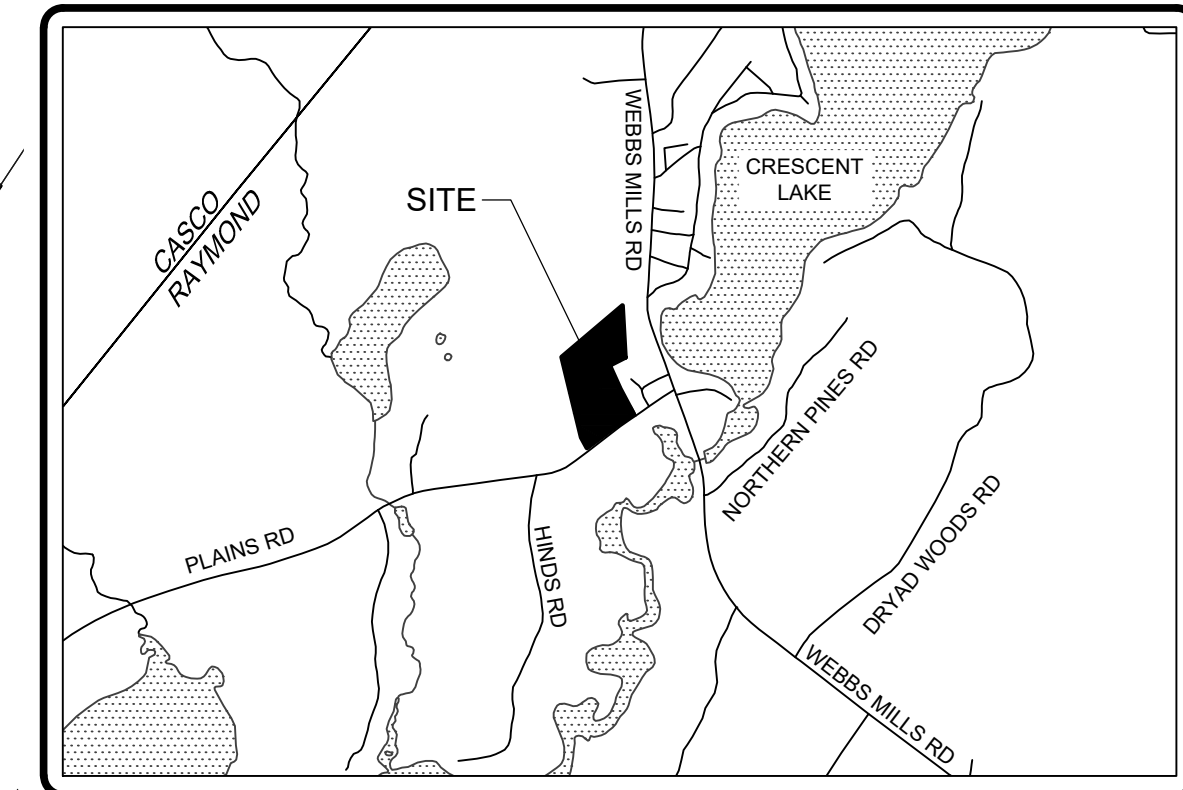
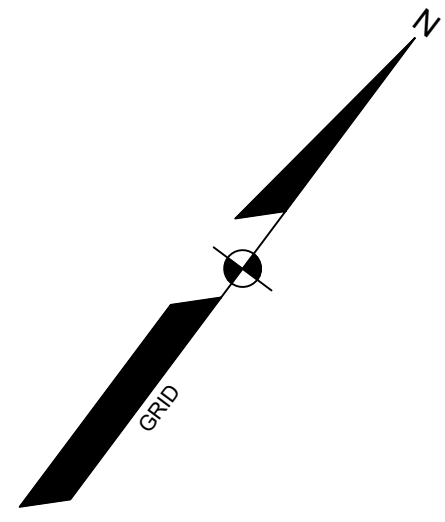
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WWW.SEAGOTECHNICS.COM
75 John Roberts Rd.
Sullivan, IA
South Portland, ME 04106
Tel. 207-200-2100

EXISTING CONDITIONS AND DEMO PLAN
OF:
RAYMOND PUBLIC WORKS
170 PLAINS ROAD
RAYMOND, MAINE 04071
FOR:
THE INHABITANTS OF THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, MAINE 04071

DESIGNED	JSH
DRAWN	CJC
CHECKED	OAM
DATE	10/19/2023
SCALE	1" = 30'
PROJECT	14056

SHEET 3 OF 9

14056_DEMO.dwg - TAB:DEMO



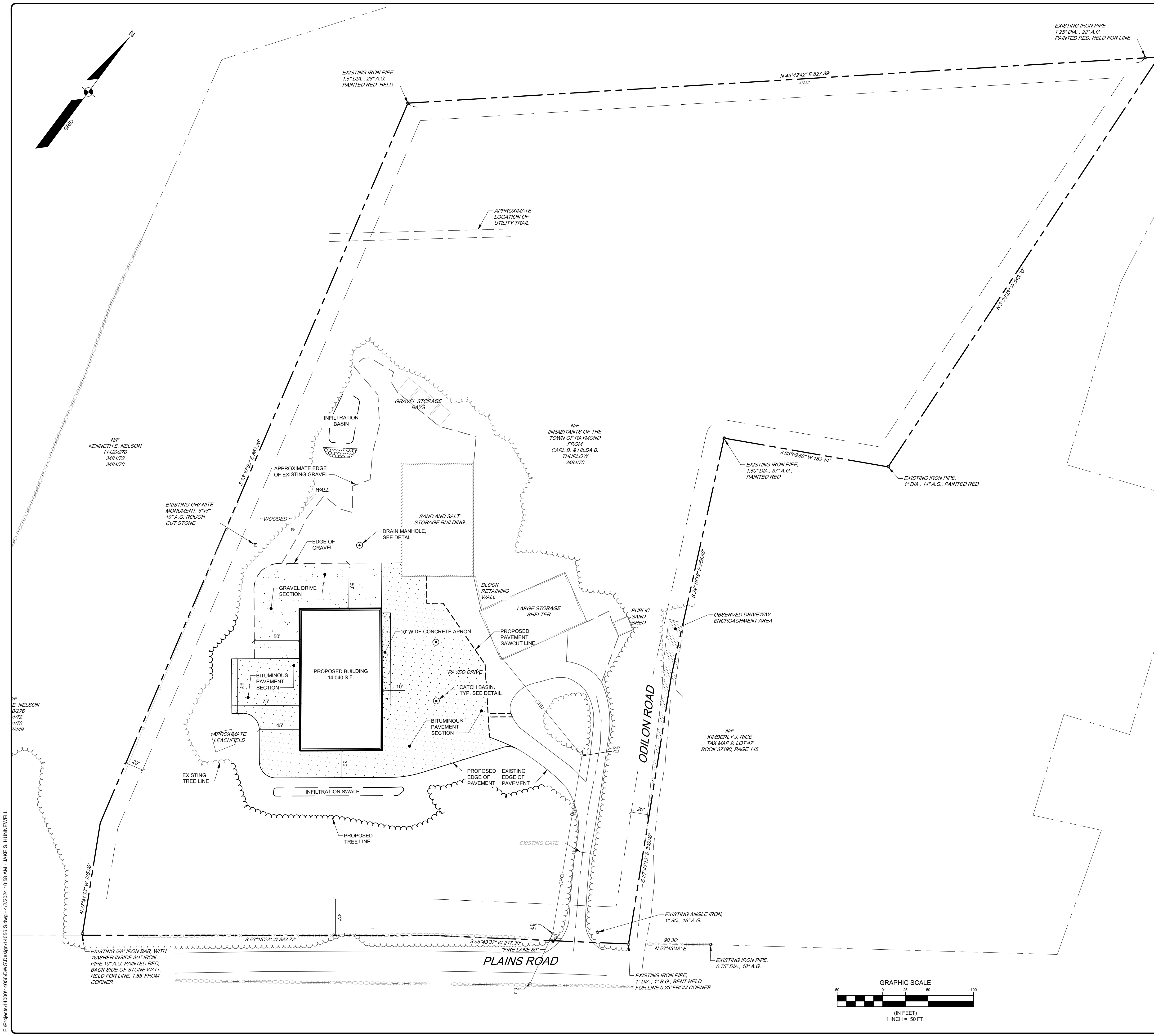
LOCATION MAP

GENERAL NOTES:

- THE RECORD OWNER OF THE PARCEL IS THE INHABITANTS OF THE TOWN OF RAYMOND BY DEED DATED NOVEMBER 10, 1973 AND RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 3484, PAGE 70, BOOK 3484, PAGE 72 AND AN UNRECORDED DEED DATED JULY 1, 1984 FROM THE ROMAN CATHOLIC BISHOP OF PORTLAND TO THE INHABITANTS OF THE TOWN OF RAYMOND. A COPY OF THIS UNRECORDED DEED WAS PROVIDED TO SEBAGO TECHINCS, INC. BY THE TOWN OF RAYMOND.
- THE PROPERTY IS SHOWN AS LOTS 45 AND 48 ON THE TOWN OF RAYMOND TAX MAP 9 AND IS LOCATED IN THE RURAL DISTRICT (R) DISTRICT. A PORTION OF THIS PROPERTY LOCATED ON THE NORTHEASTERLY SIDE OF THE LOT LIES WITHIN 600 FEET OF CRESCENT LAKE WITHIN THE LRR2 ZONE AS DEPICTED ON THE OFFICIAL ZONING MAP FOR THE TOWN OF RAYMOND. NONE OF THE PROPOSED WORK IS LOCATED WITHIN THIS AREA. SEBAGO TECHINCS HAS NOT LOCATED THE HIGH WATER LINE OF CRESCENT LAKE IN PERFORMING THIS SURVEY.
- SPACE AND BULK CRITERIA FOR THE RURAL (R) DISTRICT ARE AS FOLLOWS:

	RURAL	LRR2
MINIMUM LOT SIZE:	3 ACRES	3 ACRES
MINIMUM STREET FRONTAGE:	225 FEET	225 FEET
MINIMUM FRONT YARD:	40 FEET	30 FEET
MINIMUM SIDE YARD:	20 FEET	20 FEET
MINIMUM REAR YARD:	20 FEET	30 FEET
MAXIMUM BUILDING HEIGHT:	2.5 STORIES	30 FEET
UPLAND EDGE PROTECTED WETLAND:	250 FEET	

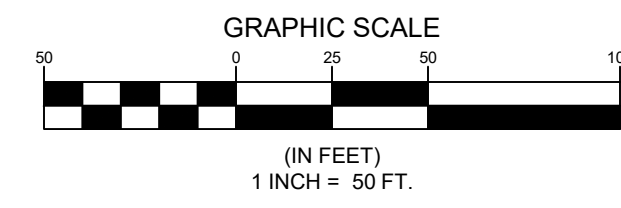
 * SEE ORDINANCE FOR MORE PARTICULAR INFORMATION.
- TOTAL AREA OF PARCEL IS APPROXIMATELY 13.96 ACRES.
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON FIELD WORK PERFORMED BY SEBAGO TECHINCS, INC. IN AUGUST 2014 AND OCTOBER 2014.
- PLAN REFERENCES:
 - *"PLAN OF CRESCENT PINES BEACH ASSOCIATION IN RAYMOND, MAINE" AS REVISED THROUGH NOVEMBER 27, 1973 BY OWEN HASKELL, INC. A COPY OF THIS PLAN WAS OBTAINED FROM OWEN HASKELL, INC.
 - *"PLAT OF CRESCENT LAKE COTTAGE CONDOMINIUMS, ROUTE 85, RAYMOND, MAINE FOR THERESA & PHILIP GAGNON" DATED DECEMBER 2, 1986 AND REVISED THROUGH APRIL 23, 1987 BY OWEN HASKELL, INC. THIS PLAN IS RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 162, PAGE 14.
 - *"TOWN OF RAYMOND, MAINE - SALT SHED SITE PLAN" DATED SEPTEMBER 12, 1989 BY DEARBORNWHITED. A COPY OF THIS PLAN WAS PROVIDED BY THE TOWN OF RAYMOND.
- PLAN ORIENTATION IS GRID NORTH, MAINE STATE PLANE COORDINATE SYSTEM, WEST ZONE 1802-NAD83. ELEVATIONS DEPICTED HEREON ARE NAVD88, BASED ON DUAL FREQUENCY GPS OBSERVATIONS.
- UTILITY INFORMATION DEPICTED HEREON IS COMPILED USING PHYSICAL EVIDENCE LOCATED IN THE FIELD. UTILITIES DEPICTED HEREON 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 PROPERTY AS DEPICTED HEREON DOES NOT FALL WITHIN A SPECIAL FLOOD HAZARD AREA AS DELINEATED ON THE FLOOD INSURANCE RATE MAP FOR THE TOWN OF RAYMOND, MAINE, CUMBERLAND COUNTY, COMMUNITY PANEL NUMBER 230205 0015 B, HAVING AN EFFECTIVE DATE OF MAY 5, 1981. THE LOCUS FALLS WITHIN AN AREA IDENTIFIED AS AN UNSHADED ZONE C, AREAS OF MINIMAL FLOODING.



APPROVAL - TOWN OF RAYMOND, MAINE PLANNING BOARD

DATE _____

CHAIRPERSON _____



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NOT FOR CONSTRUCTION

OWEN A. MCCULLOUGH, P.E. 1722
04/22/2024

REV.	BY	DATE	STATUS
B	OAM	04-03-2024	ISSUED FOR DESIGN DEVELOPMENT REVIEW
A	OAM	03-12-2024	ISSUED FOR SCHEMATIC DESIGN REVIEW

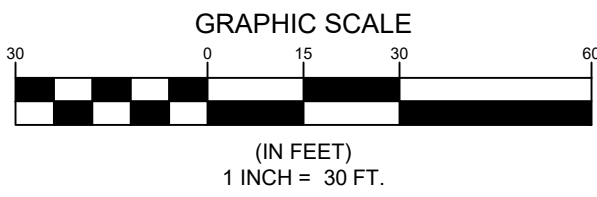
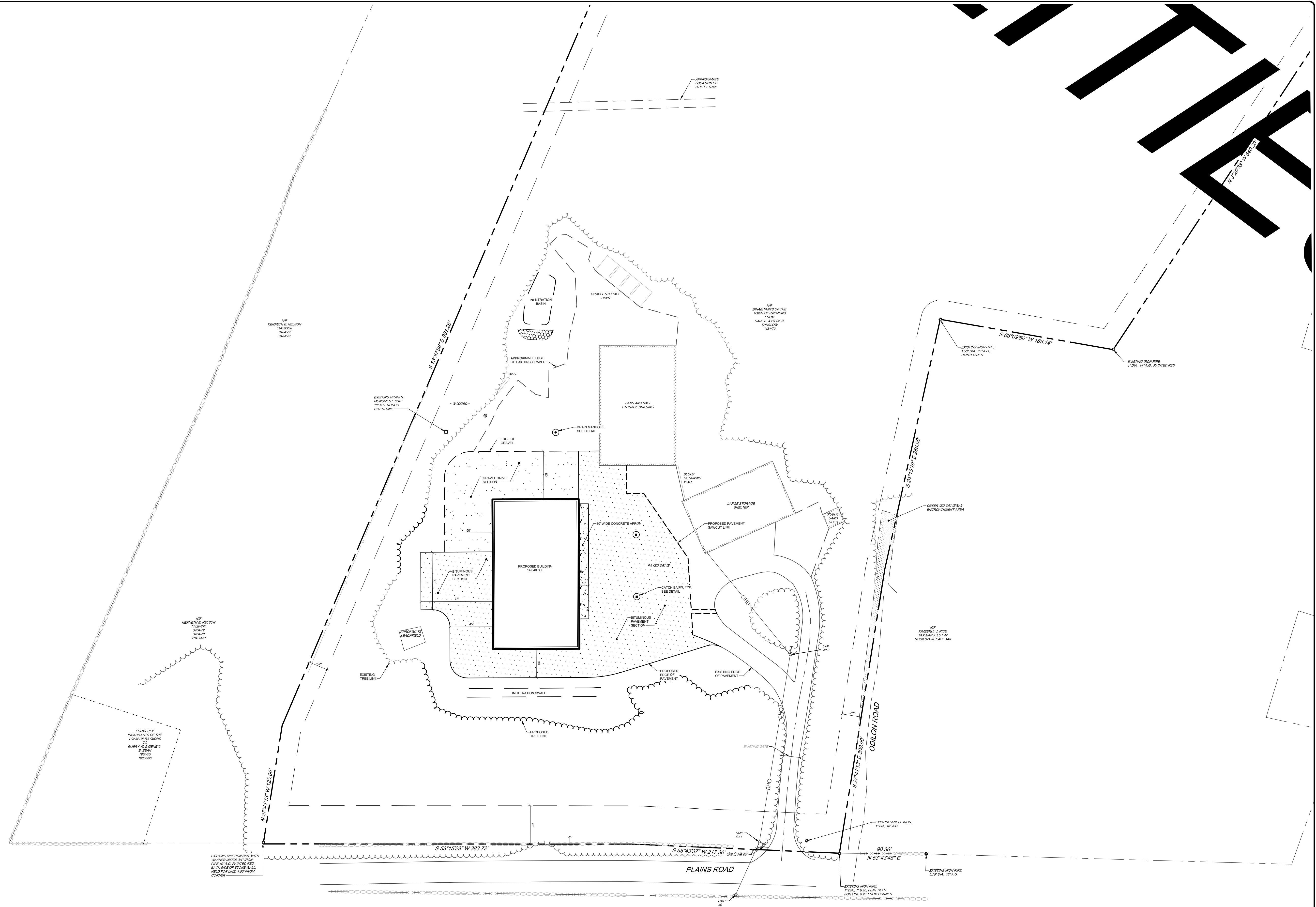
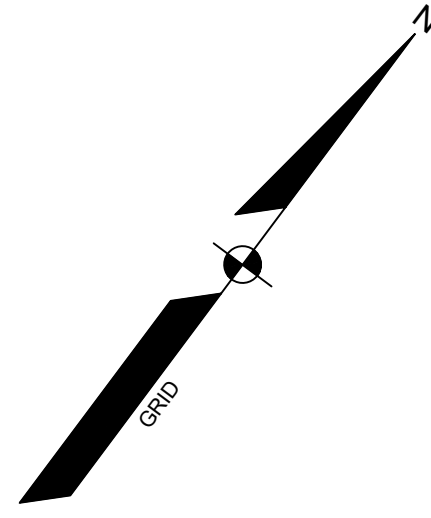
THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHINCS, INC. ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECHINCS, INC.

SEBAGO
TECHNICS
75 John Roberts Rd.
Sullivan, MA 04196
South Portland, ME 04106
Tel. 207-200-2100
WWW.SEBAGOTECHNICS.COM

RECORD OWNER:
THE INHABITANTS OF
THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, ME 04071

OVERALL SITE PLAN
OF:
RAYMOND PUBLIC WORKS
170 PLAINS ROAD
RAYMOND, MAINE 04071
FOR:
THE INHABITANTS OF THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, MAINE 04071

DESIGNED	JSH
DRAWN	CJC
CHECKED	OAM
DATE	10/19/2023
SCALE	1" = 50'
PROJECT	14056



NOT FOR CONSTRUCTION

OWENS A. MCCULLOUGH, P.E. 04/25/2024

B	OAM	04-03-2024	ISSUED FOR DESIGN DEVELOPMENT REVIEW
A	OAM	03-12-2024	ISSUED FOR SCHEMATIC DESIGN REVIEW
REV	BY	DATE	STATUS

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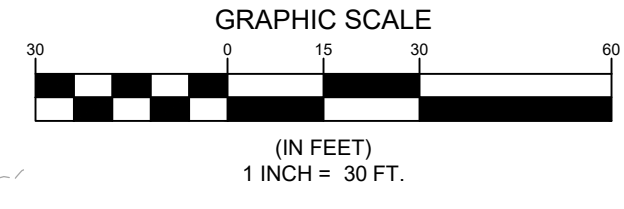
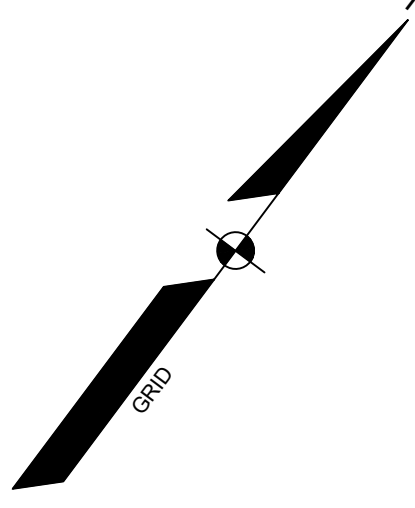
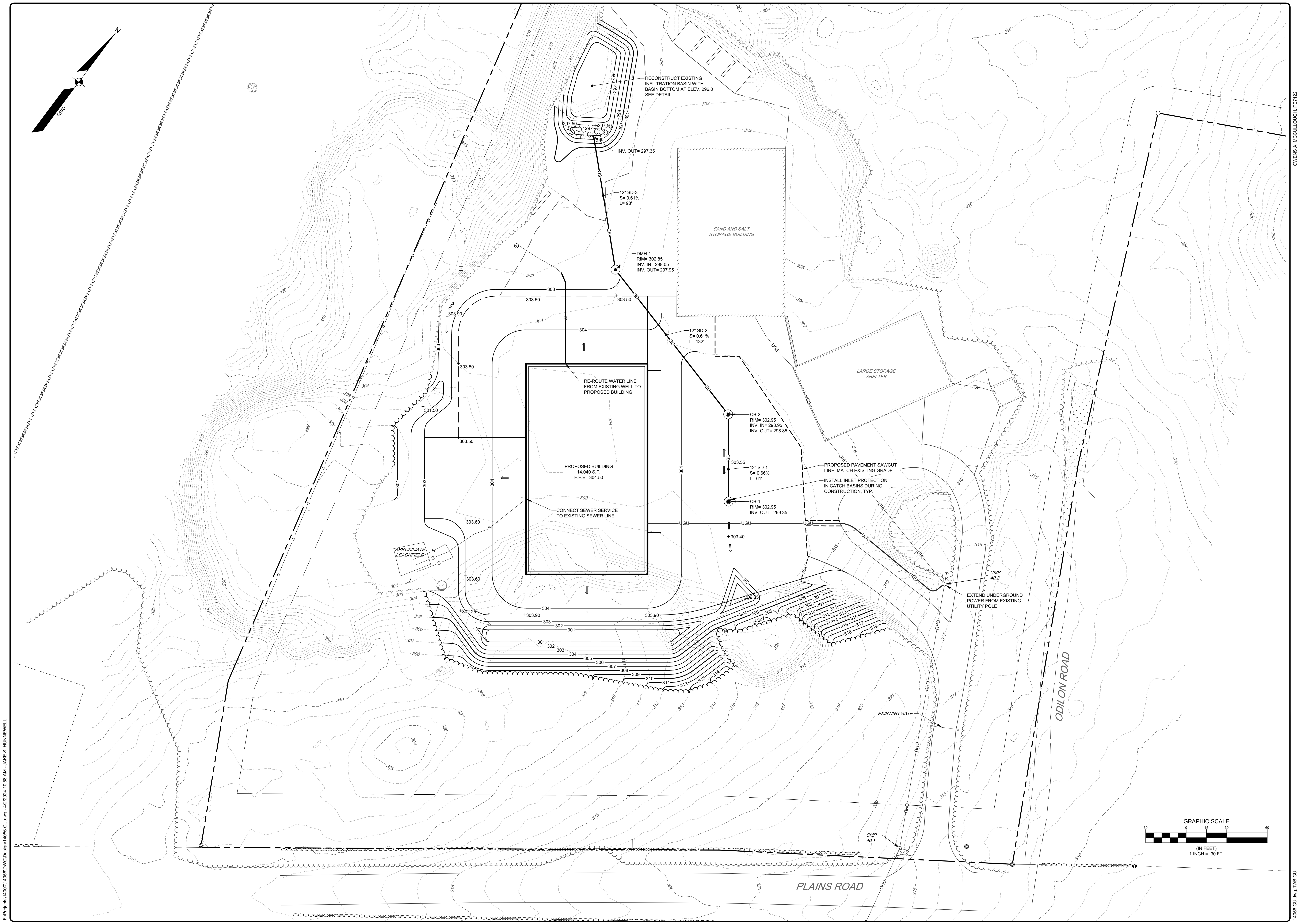
SEBAGO TECHNICS
 WWW.SEAGOTECHNICS.COM
 75 Sibley Roberts Rd.
 Sibley, ME 04106
 South Portland, ME 04106
 Tel: 207-200-2100

RECORD OWNER:
THE INHABITANTS OF THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, ME 04071

SITE PLAN
OF:
RAYMOND PUBLIC WORKS
170 PLAINS ROAD
RAYMOND, MAINE 04071
FOR:
THE INHABITANTS OF THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, MAINE 04071

DESIGNED	JSH
DRAWN	CJC
CHECKED	OAM
DATE	10/19/2023
SCALE	1" = 30'
PROJECT	14056

SHEET 5 OF 9



NOT FOR
CONSTRUCTION

OWENS A. MCCULLOUGH, P.E.T22
04/25/2024

B	OAM	04-03-2024	ISSUED FOR DESIGN DEVELOPMENT REVIEW
A	OAM	03-12-2024	ISSUED FOR SCHEMATIC DESIGN REVIEW
REV.	BY:	DATE:	STATUS:

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TECHNICS
WWW.SEAGOTECHNICS.COM
75 Shub Roberts Rd.
Sullivan, IA
South Portland, ME 04106
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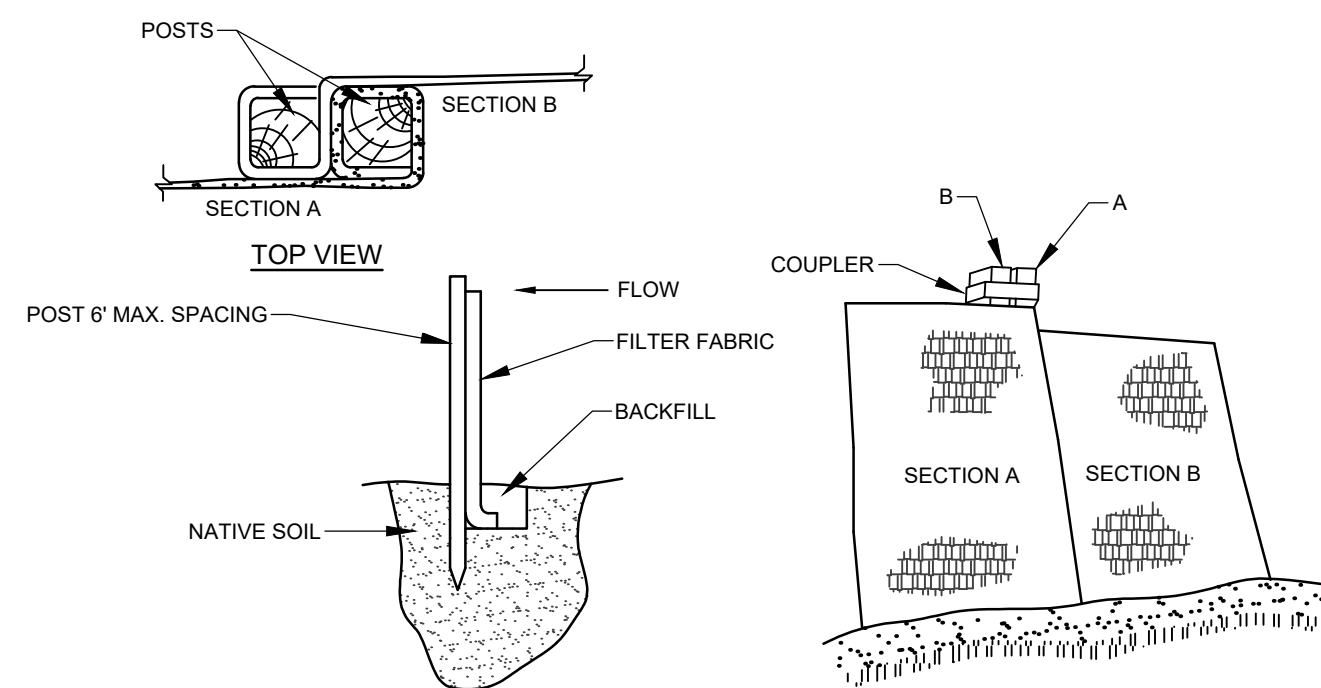
GRADING AND UTILITY
OF:
RAYMOND PUBLIC WORKS
170 PLAINS ROAD
RAYMOND, MAINE 04071
FOR:
THE INHABITANTS OF THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, MAINE 04071

DESIGNED	JSH
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DATE	10/19/2023
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SHEET 6 OF 9

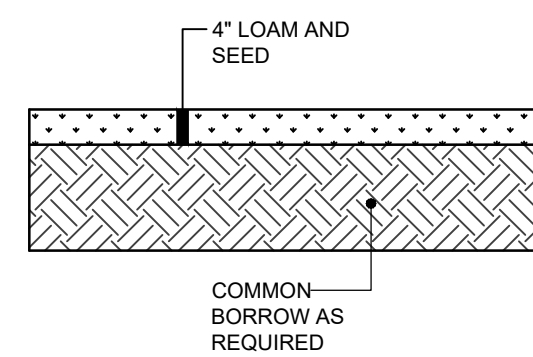
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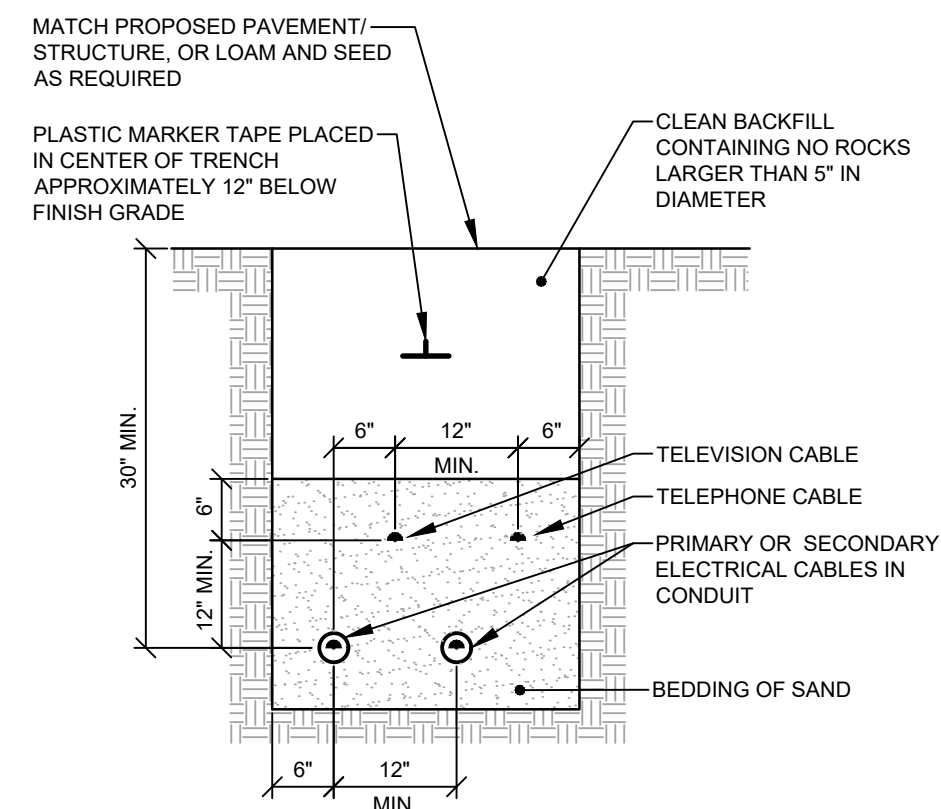


- INSTALLATION:**
1. EXCAVATE A 6" x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
 2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
 3. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
 4.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

FILTER BARRIER
NOT TO SCALE

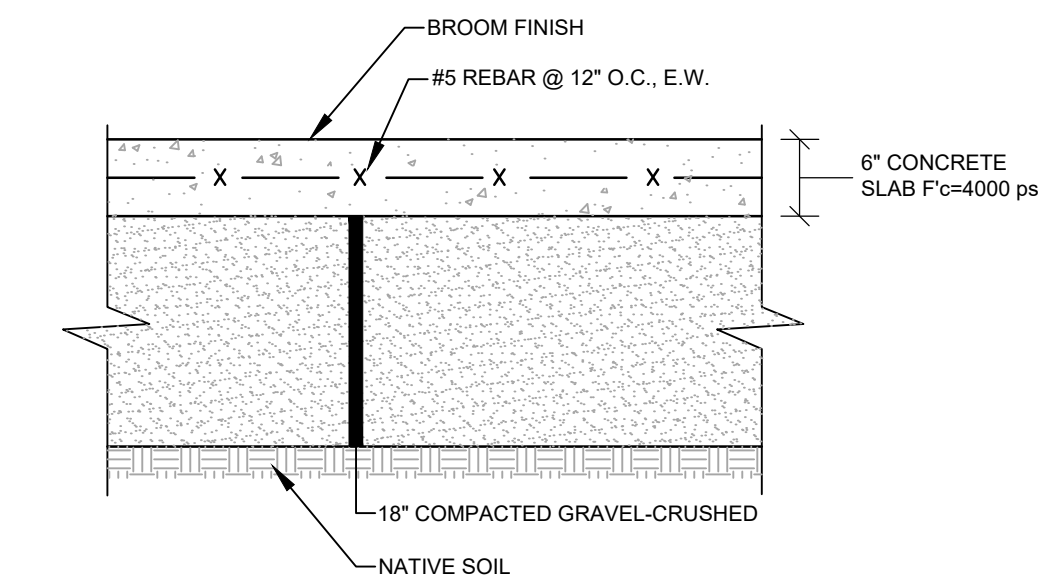


LOAM & SEED SECTION
NOT TO SCALE



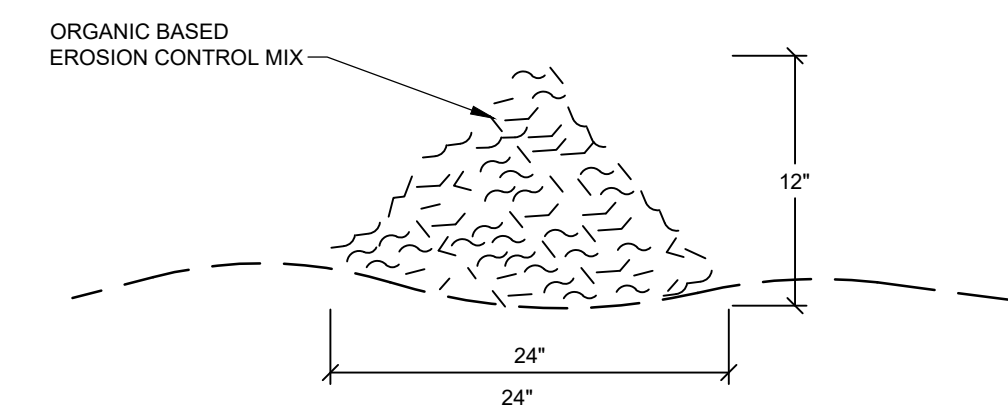
NOTES:
1. CABLES TO BE ENCASED IN SCHEDULE 40 PVC CONDUIT.

UNDERGROUND CABLE INSTALLATION
NOT TO SCALE



NOTE:
1. PROVIDE CONTRACTION CONTROL JOINTS EVERY 6' IN EACH DIRECTION

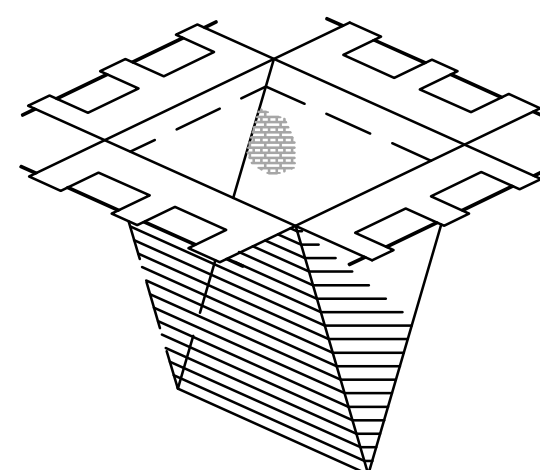
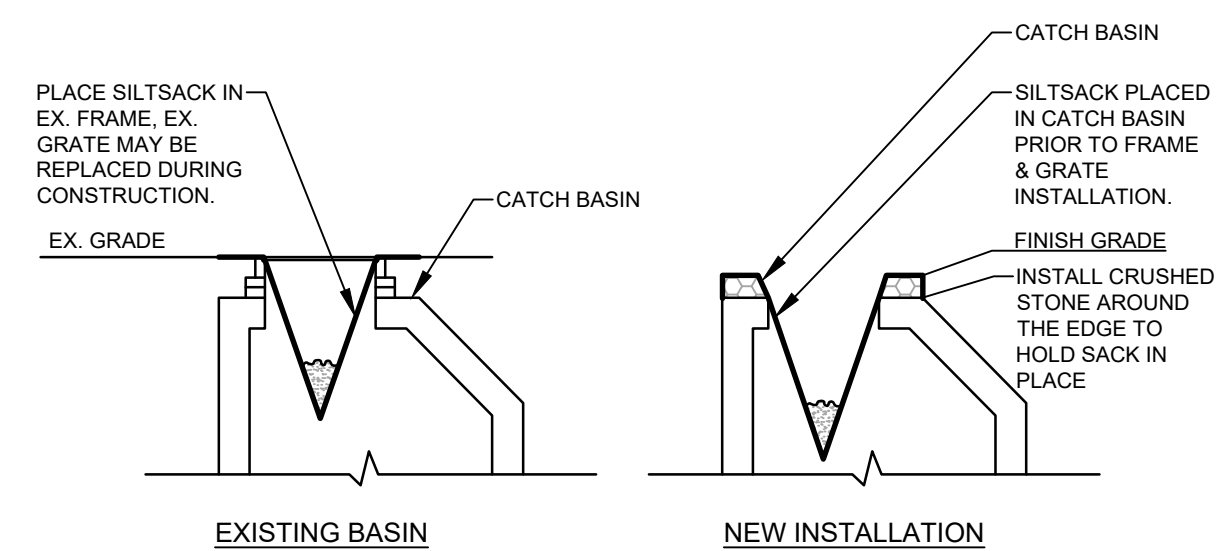
CONCRETE APRON
NOT TO SCALE



COMPOSITION:
EROSION CONTROL MIX SHALL BE MANUFACTURED ON OR OFF THE PROJECT SITE SUCH THAT ITS COMPOSITION IS IN ACCORDANCE WITH THE MDEP MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL, LAST REVISED 3/2003 OR LATER. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, 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 WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

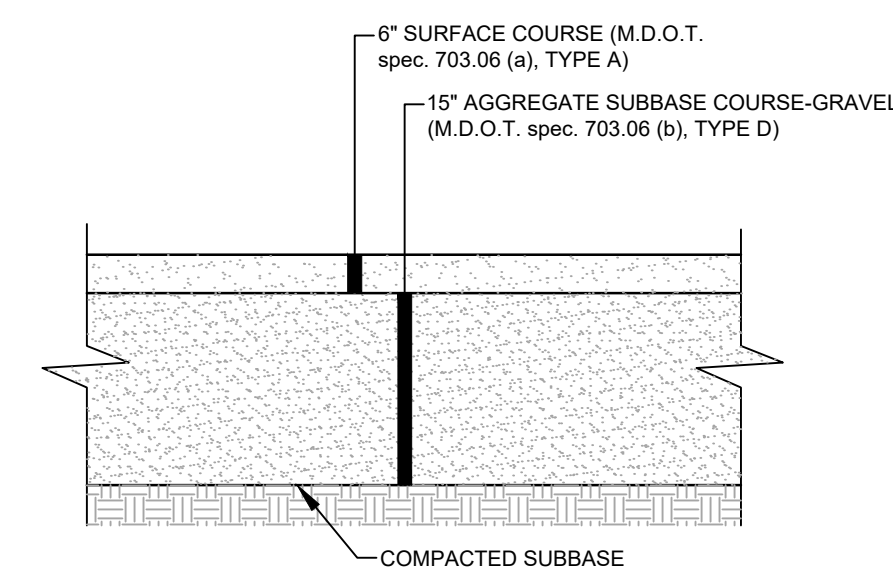
- INSTALLATION:**
1. THE BARRIER MUST BE PLACED ACROSS THE SLOPE, ALONG THE CONTOUR.
 2. EXISTING GROUND SHALL BE PREPARED SUCH THAT THE BARRIER MAY LIE NEARLY FLAT ALONG THE GROUND TO AVOID THE CREATION OF VOIDS AND BRIDGES IN ORDER TO MINIMIZE THE POTENTIAL OF WASH OUTS UNDER THE BARRIER.
 3. THE BARRIER SHALL BE A MINIMUM OF 1 FOOT HIGH (AS MEASURED ON THE UPHILL SIDE) AND 2 FEET WIDE FOR SLOPES LESS THAN 5% IN GRADE AND SHALL BE WIDER TO ACCOMMODATE THE ADDITIONAL RUNOFF.
 4. EROSION CONTROL MIX CAN BE INSTALLED WHERE SILT FENCE IS ILLUSTRATED ON THE DESIGN PLANS IN AREAS EXCEPT IN, BUT NOT LIMITED TO, THE FOLLOWING AREAS: WETLAND AREAS; AT POINTS OF CONCENTRATED FLOW, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS AND AT THE BOTTOM OF STEEP SLOPES THAT ARE MORE THAN 50 FEET FROM TOP TO BOTTOM.

EROSION CONTROL MIX BERM
NOT TO SCALE

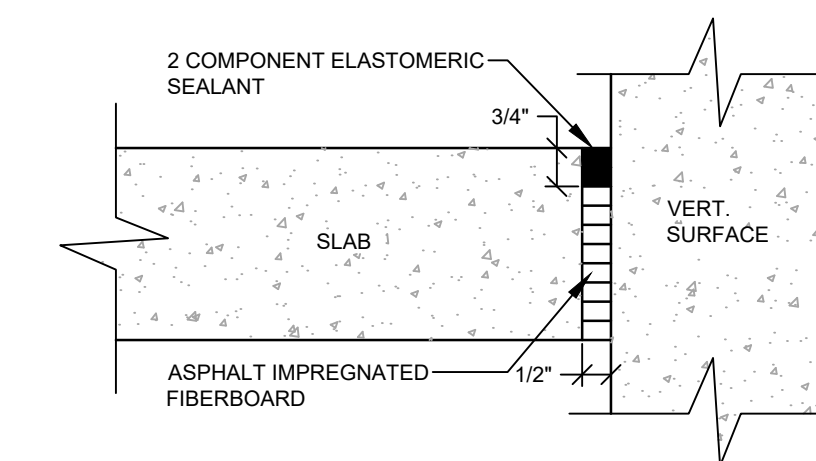


NOTES:
PRIOR TO FINAL GRADING AND PAVING OPERATIONS BEGIN A CATCH BASIN INSERT (SUCH AS A SILT SACK OR A DANDY BAG II) MUST BE INSTALLED IN EACH BASIN PER MANUFACTURER'S INSTRUCTIONS. HAY BALES SHOULD BE REMOVED ONCE INSERTS ARE INSTALLED.

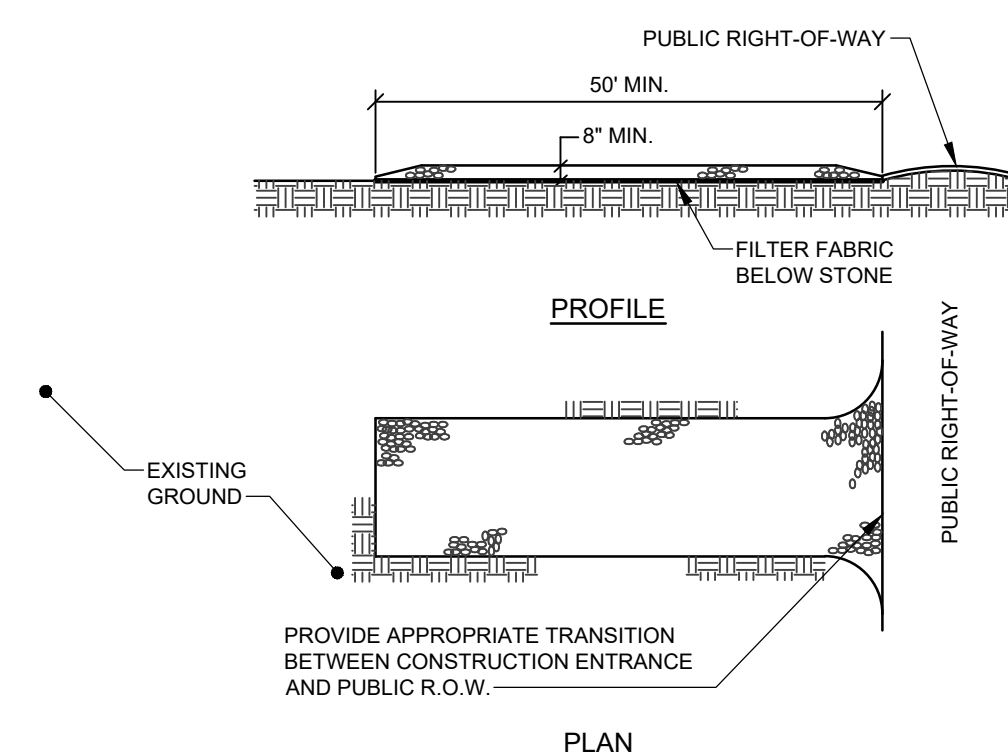
CATCH BASIN PROTECTION DETAIL
NOT TO SCALE



GRAVEL DRIVE SECTION
NOT TO SCALE

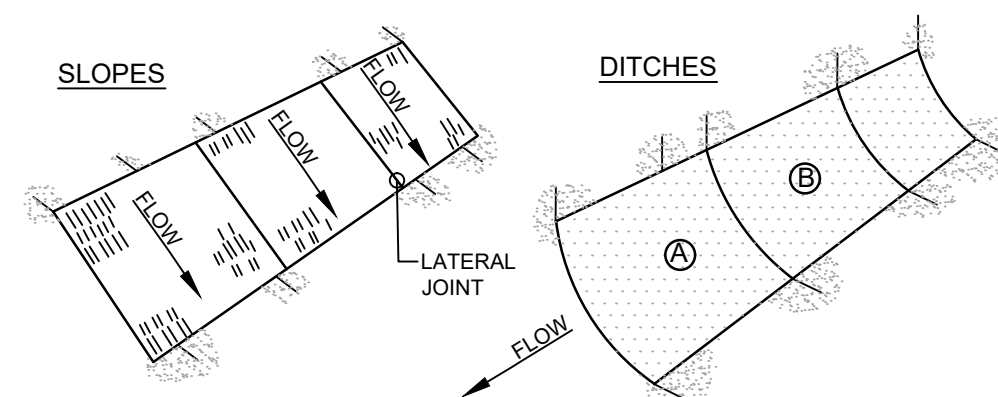


ISOLATION JOINT
NOT TO SCALE



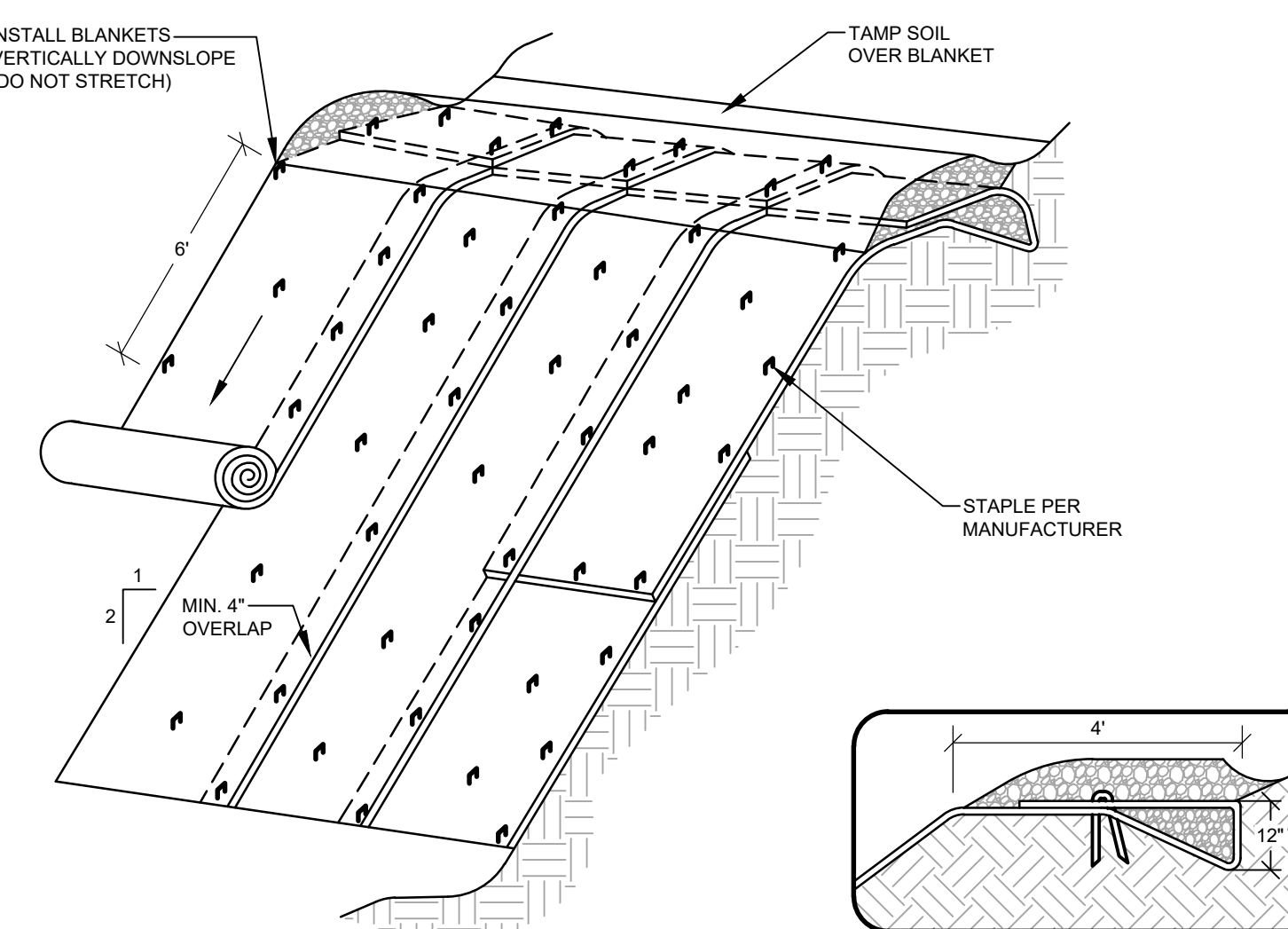
- NOTES:**
1. STONE SIZE- AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2"), USE CRUSHED STONE.
 2. LENGTH- AS SHOWN ON PLANS, MIN. 50 FEET.
 3. THICKNESS- NOT LESS THAN EIGHT (8) INCHES.
 4. WIDTH- NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS OR EGRESS.
 5. MAINTENANCE- THE ENTRANCE SHALL BE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

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



- NOTES:**
1. BURY THE TOP END OF THE MESH MATERIAL IN A 6" TRENCH AND BACKFILL AND TAMP. TRENCHING SECURE END WITH STAPLES AT 6" SPACING, 4" DOWN FROM EXPOSED END.
 2. FLOW DIRECTION JOINTS TO HAVE UPPER END OF LOWER STRIP BURIED WITH UPPER LAYERS OVERLAPPED 4" AND STAPLED. OVERLAP B OVER A.
 3. LATERAL JOINTS TO HAVE 4" OVERLAP OF STRIPS. STAPLE 18" ON CENTER.
 4. STAPLE OUTSIDE LATERAL EDGE 2" ON CENTER.
 5. WIRE STAPLES TO BE MIN OF #11 WIRE 6" LONG AND 1-1/2" WIDE.
 6. USE NORTH AMERICAN GREEN DS 150 OR APPROVED EQUAL.

EROSION CONTROL BLANKET
NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS**
1. THE SOIL SURFACE SHOULD BE FINELY GRADED AND SMOOTH FOR THE BLANKET TO HAVE DIRECT CONTACT WITH THE SOIL AND TO PREVENT UNDERMINING. EROSION CONTROL BLANKETS PERFORM BEST ON LOAMY SOILS AND SHOULD NOT BE USED ON ROCKY SITES OR SHALLOW SOILS.
 2. SEED SHOULD BE SOWN BEFORE INSTALLING THE EROSION CONTROL BLANKET.
 3. ALWAYS UNROLL THE BLANKET DOWNHILL WITHOUT STRETCHING AND ANCHOR THE UPSLOPE EDGE IN A 12 INCH DEEP TRENCH THAT IS BACKFILLED AND TAMPED.
 4. OVERLAP SHINGLE STYLE A MINIMUM OF 12 INCHES AT THE TOP OF EACH ROW AND 4 INCHES AT THE EDGES OF PARALLEL ROWS. ANCHOR ALONG THE OVERLAP WITH A MAXIMUM SPACING OF 3 FEET OR AS REQUIRED BY THE MANUFACTURER.

NOT FOR CONSTRUCTION

OWENS A. MCCULLOUGH, P.E. 7/22
04/25/2024

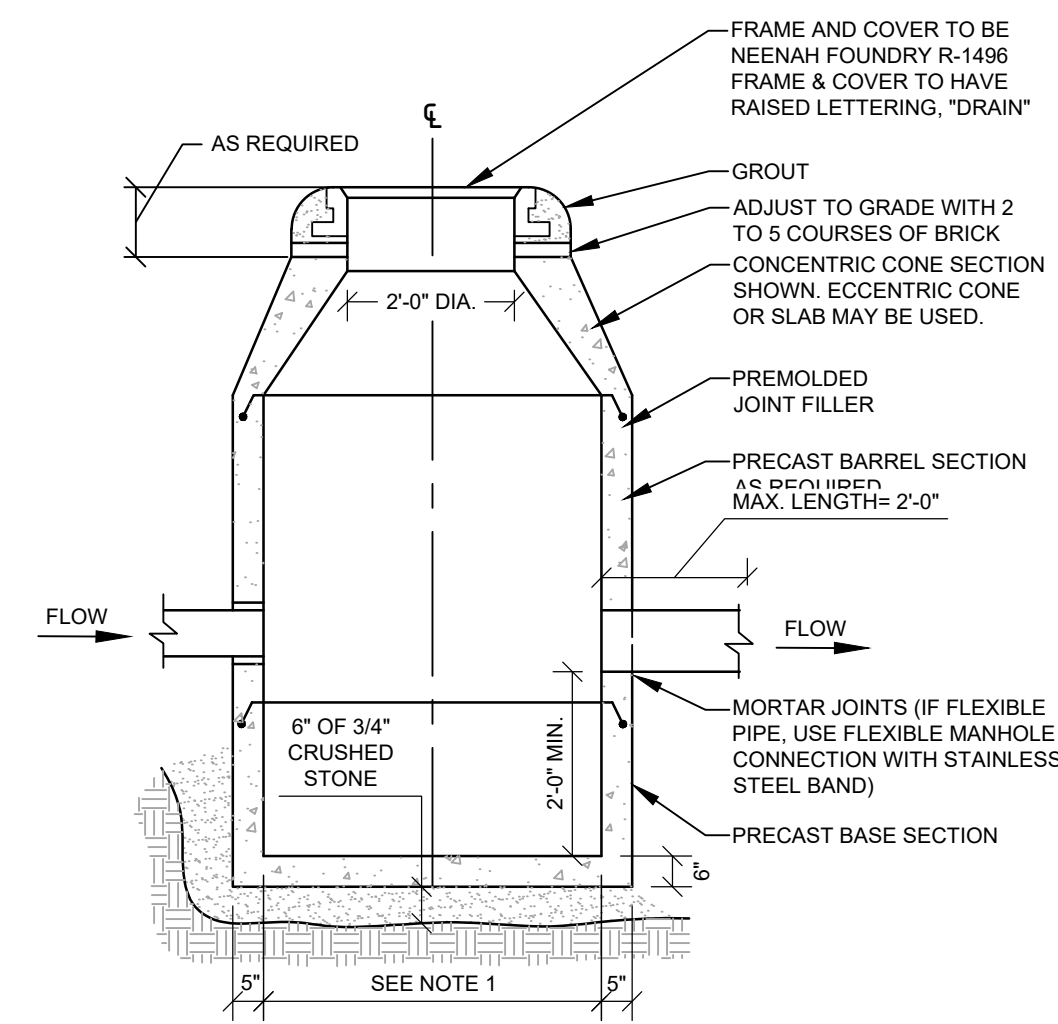
REV.	BY	DATE	STATUS
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SEBAGO
TECHNIQS
WWW.SEAGOTECHNIQS.COM
75 John Roberts Rd.
Sullivan, ME 04106
South Portland, ME 04106
Tel. 207-200-2100

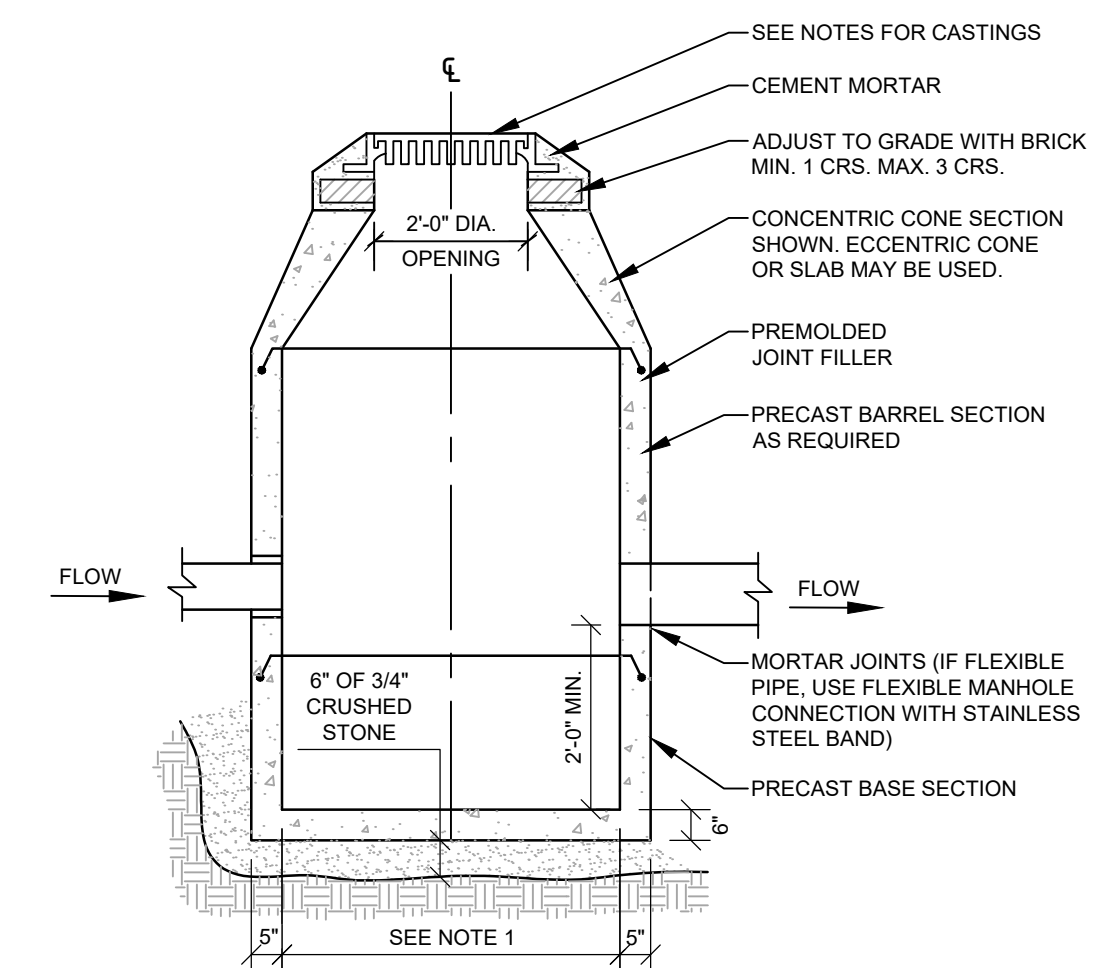
DETAILS
OF:
RAYMOND PUBLIC WORKS
170 PLAINS ROAD
RAYMOND, MAINE 04071
FOR:
THE INHABITANTS OF THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, MAINE 04071

DESIGNED	JSH
DRAWN	CJC
CHECKED	OAM
DATE	10/19/2023
SCALE	NTS
PROJECT	14056



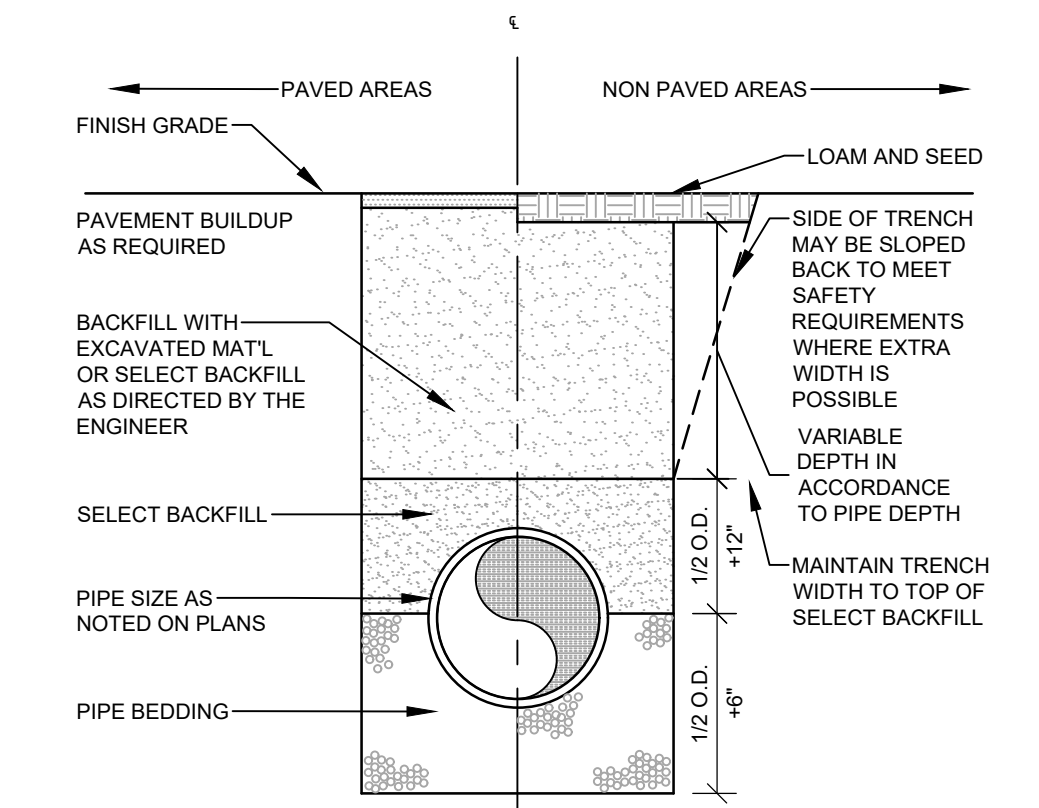
- NOTES:**
- 4'-0" I.D. TYPICAL. SOME STRUCTURES MAY REQUIRE LARGER I.D. PROVIDE SHOP DRAWINGS.
 - DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING.
 - PIPE SIZES AND INVERTS AS NOTED ON PLANS.
 - FRAME AND COVER TO BE NEENAH FOUNDRY R-1496 FRAME & COVER TO HAVE RAISED LETTERING, "DRAIN".

PRECAST DRAIN MANHOLE
NOT TO SCALE



- NOTES:**
- 4'-0" I.D. TYPICAL. SOME STRUCTURES MAY REQUIRE LARGER I.D. PROVIDE SHOP DRAWINGS.
 - DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING.
 - PIPE SIZES AND INVERTS AS NOTED ON PLANS.
 - CATCH BASIN FRAME AND GRATE TO BE EJ 5520M5, OR APPROVED EQUAL.

CATCH BASIN
NOT TO SCALE

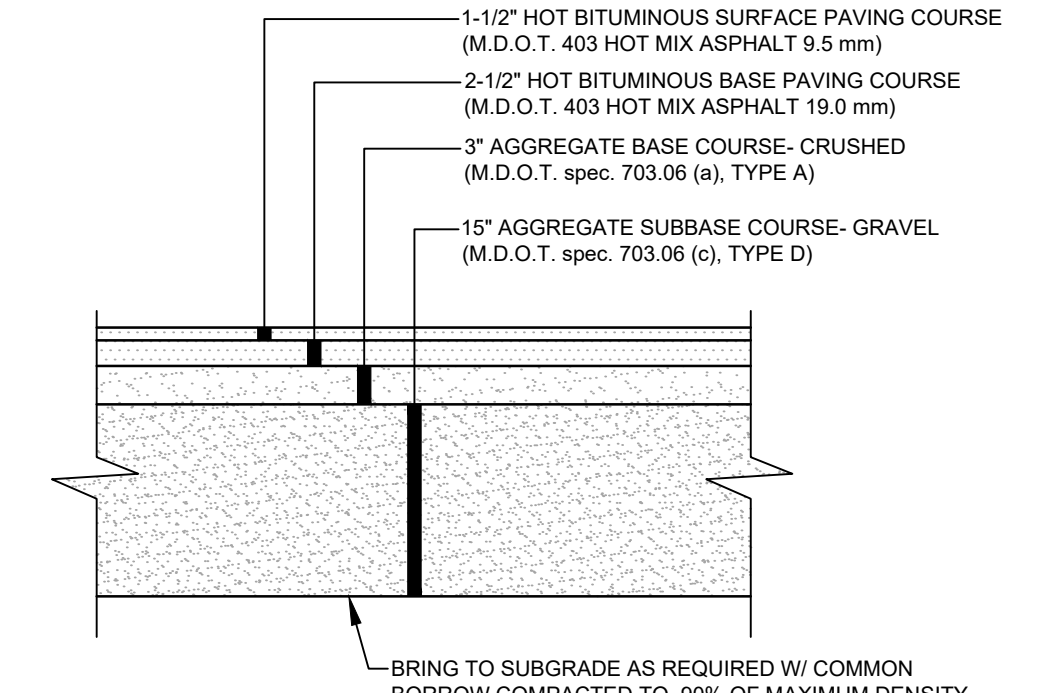


TRENCH BACKFILL SCHEDULE

PIPE TYPE	PIPE BEDDING MATERIAL	SELECT BACKFILL
CORRUGATED METAL DUCTILE IRON REINFORCED CONCRETE	MDOT 703.22 TYPE B UD BACKFILL	MDOT 703.22 TYPE B UD BACKFILL
PVC-SDR 35 HDPE	MDOT 703.13 3/4" CRUSHED STONE	MDOT 703.22 TYPE B UD BACKFILL, OR MDOT 703.13 3/4" CRUSHED STONE
PERFORATED PVC-SDR 35 HDPE	MDOT 703.13 3/4" CRUSHED STONE	MDOT 703.22 TYPE B UD BACKFILL, OR MDOT 703.13 3/4" CRUSHED STONE

NOTE:
ALL BRACING AND SHEETING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL MEET ALL STATE AND O.S.H.A. SAFETY STANDARDS.

TRENCH SECTION
NOT TO SCALE



- NOTES:**
- COMPACT GRAVEL SUBBASE, BASE COURSE TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION.
 - CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.

BITUMINOUS PAVEMENT SECTION
NOT TO SCALE

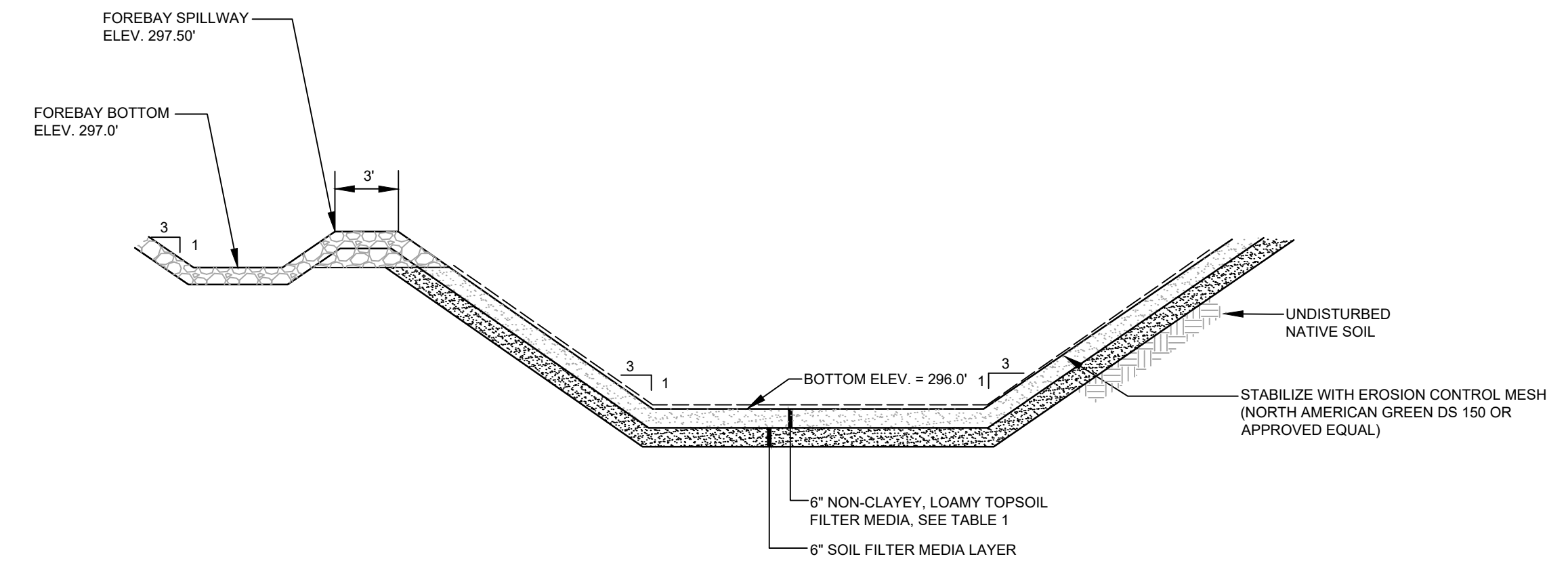


TABLE 1:
NON-CLAYEY, LOAMY TOPSOIL FILTER MEDIA LAYER

SIEVE SIZE	% PASSING BY WEIGHT
#4	75-95
#10	60-90
#40	35-85
#200	20-70
CLAY FRACTION	0-2
INFILTRATION RATE	2.41 INCH/HOUR

- NOTES:**
- THE BASIN FLOOR SHOULD BE PREPARED USING THE GRADATION FROM TABLE 1
 - STAFF GAUGES, MARKED RODS, OR SIMILAR INSTRUMENTATION SHALL BE PROVIDED FOR MEASUREMENT OF ACCUMULATED SEDIMENT.
 - PLANT WITH DROUGHT TOLERANT SEED MIX.
 - CONSTRUCTION SEQUENCE: THE SOIL FILTER MEDIA AND VEGETATION MUST NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO THE FILTER HAS BEEN PERMANENTLY STABILIZED WITH PAVEMENT OR OTHER STRUCTURE. 90% VEGETATION COVER, OR OTHER PERMANENT STABILIZATION UNLESS THE RUNOFF FROM THE CONTRIBUTING DRAINAGE AREA IS DIVERTED AROUND THE FILTER UNTIL STABILIZATION IS COMPLETED.
 - COMPACTION OF SOIL FILTER MEDIA: COMPACTION OF THE SOIL FILTER MEDIA SHALL BE AVOIDED.

INFILTRATION BASIN
NOT TO SCALE

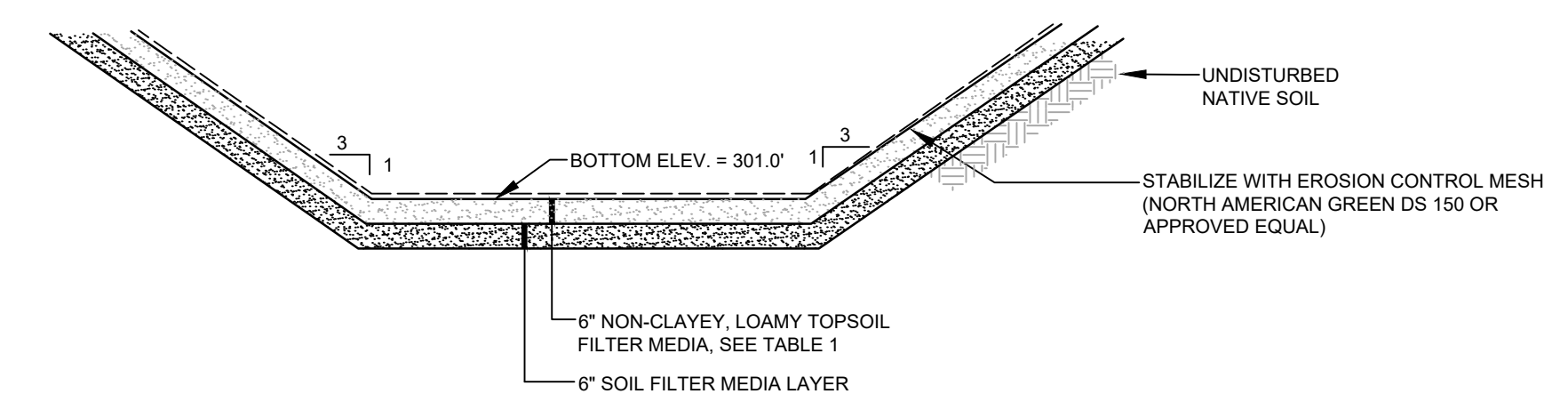
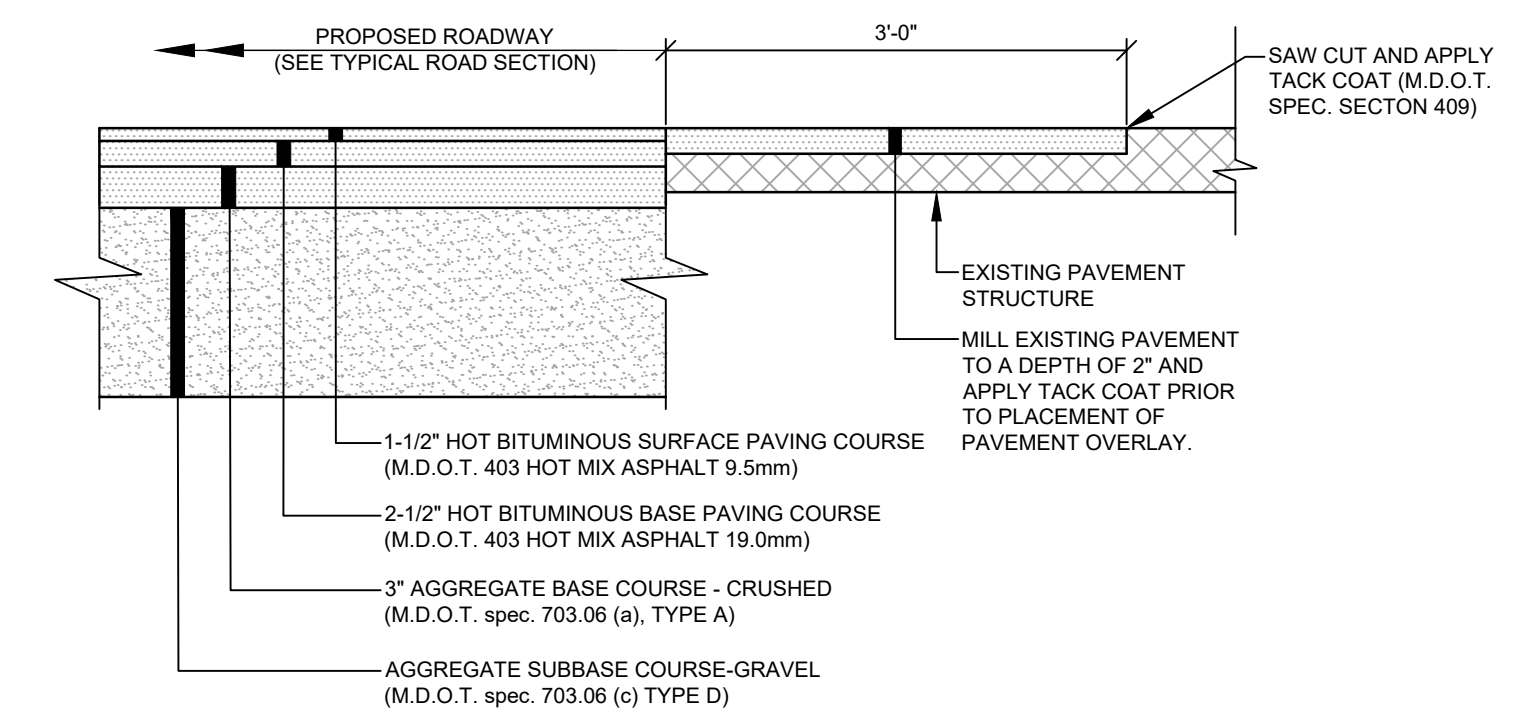


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- THE BASIN FLOOR SHOULD BE PREPARED USING THE GRADATION FROM TABLE 1
 - STAFF GAUGES, MARKED RODS, OR SIMILAR INSTRUMENTATION SHALL BE PROVIDED FOR MEASUREMENT OF ACCUMULATED SEDIMENT.
 - PLANT WITH DROUGHT TOLERANT SEED MIX.
 - CONSTRUCTION SEQUENCE: THE SOIL FILTER MEDIA AND VEGETATION MUST NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO THE FILTER HAS BEEN PERMANENTLY STABILIZED WITH PAVEMENT OR OTHER STRUCTURE. 90% VEGETATION COVER, OR OTHER PERMANENT STABILIZATION UNLESS THE RUNOFF FROM THE CONTRIBUTING DRAINAGE AREA IS DIVERTED AROUND THE FILTER UNTIL STABILIZATION IS COMPLETED.
 - COMPACTION OF SOIL FILTER MEDIA: COMPACTION OF THE SOIL FILTER MEDIA SHALL BE AVOIDED.

INFILTRATION SWALE
NOT TO SCALE



PAVEMENT JOINT
NOT TO SCALE

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NOT FOR CONSTRUCTION

OWENS A. MCCULLOUGH, P.E. 04/25/2024

REV.	BY	DATE	STATUS
B	OAM	04-03-2024	ISSUED FOR DESIGN DEVELOPMENT REVIEW
A	OAM	03-12-2024	ISSUED FOR SCHEMATIC DESIGN REVIEW

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SEBAGO TECHNICS
75 John Roberts Rd.
Sullivan, MA 04196
South Portland, ME 04106
Tel: 207-200-2100
WWW.SEBAGOTECHNICS.COM

DETAILS
OF:
RAYMOND PUBLIC WORKS
170 PLAINS ROAD
RAYMOND, MAINE 04071
FOR:
THE INHABITANTS OF THE TOWN OF RAYMOND
401 WEBBS MILLS ROAD
RAYMOND, MAINE 04071

DESIGNED	JSH
DRAWN	CJC
CHECKED	OAM
DATE	10/19/2023
SCALE	NTS
PROJECT	14056