

**ABUTTERS LIST**

Subject Property Location:  
7 Barrington Shores Drive, Barrington, Strafford County,  
New Hampshire

Tax Map & Lot Number: Map 121 Lot 28

Tax Map 121 Lot 28  
Barrington Shores, LLC  
c/o Todd Green  
240 Revere Street  
Winthrop, MA 02152

Tax Map 121 Lot 37  
Bruce G. & Kathleen M. Robinson  
84 Rosemary Lane  
Barrington, NH 03825

Tax Map 121 Lot 36  
Richard & Theresa McKenney  
350 Calf Island Road  
Barrington, NH 03825

Tax Map 121 Lot 29  
Luzi Pantano Rev. Trust of 2015  
c/o Luzi Pantano  
168 Hall Road  
Barrington, NH 03825

Tax Map 121 Lot 5  
Sally G. Michel Rev. Living Trust  
c/o Sally G. Michel  
1424 Lewis Ridge View  
Colorado Springs, CO 80907

Tax Map 121 Lot 6  
Jacob Goodwin & Amanda King  
193 Hall Road  
Barrington, NH 03825

Tax Map 121 Lot 26  
David G. & Heather H. Totty  
242 Hall Road  
Barrington, NH 03825

Tax Map 121 Lot 27  
David White  
216 Hall Road  
Barrington, NH 03825

Tax Map 121 Lot 8  
Kenneth & Uncha Resendes  
221 Hall Road  
Barrington, NH 03825

**SURVEYOR:**



**Stonewall SURVEYING**  
Licensed in New Hampshire & Maine  
PO Box 458, Barrington, NH 03825  
t: (603) 664-3900  
www.StonewallSurveying.com

**NOTES- CONTINUED:**

11. LOT COVERAGE:  
GRAVEL = 224188 SF  
PAVEMENT = 2780 SF  
BUILDINGS = 8350 SF  
RV = 87500 SF  
TOTAL = 322818 SF  
TOTAL LOT AREA = 1,082,130 SF  
PERCENT LOT COVERAGE = 29.8%

C-1	COVER SHEET	BY STONEWALL SURVEYING
PER-2	PERIMETER PLAN	BY STONEWALL SURVEYING
EC-1	EXISTING CONDITIONS	BY STONEWALL SURVEYING
L-1	LAYOUT PLAN	BY STONEWALL SURVEYING
C-2	GRADING PLAN	
C-3	DRAINAGE PROFILE	
C-4	DRAINAGE PROFILE	
P-1	PLAN AND PROFILE	
P-2	PLAN AND PROFILE	
D-1	DETAILS	
D-2	DETAILS	
D-3	DETAILS	
C-5	FENCE PROFILE	
LS-1	LANDSCAPE PLAN	BY STONEWALL SURVEYING

**Site Plan**

**FOR**  
**BARRINGTON SHORES, LLC**  
located at  
**7 BARRINGTON SHORES DRIVE**  
Barrington,  
New Hampshire 03825  
**TAX MAP 121**  
**LOT 28**

PLANNING BOARD APPROVAL BLOCK

**LEGEND**

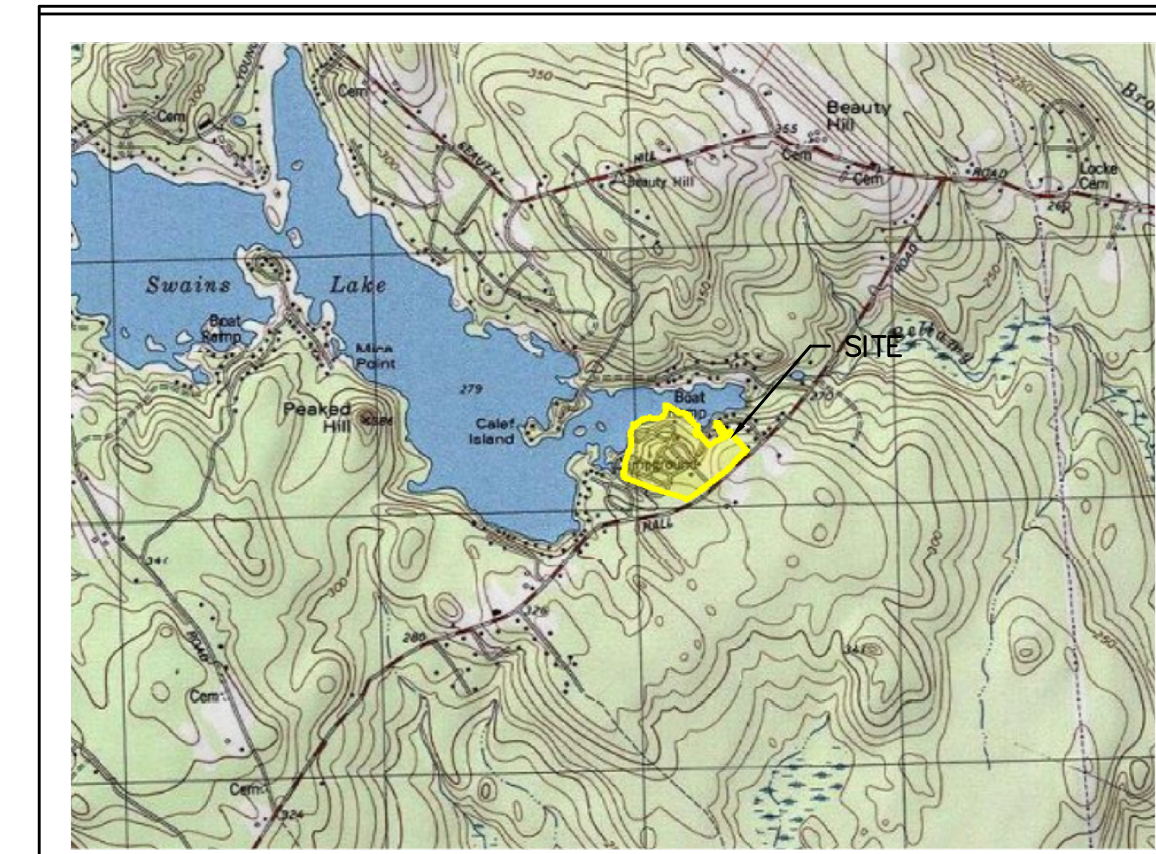
- POORLY DRAINED SOILS
- - - 2' CONTOUR
- - - 10' CONTOUR
- STONEWALL
- UTILITY POLE
- EDGE OF GRAVEL
- EDGE OF GRAVEL PROPOSED
- PROPOSED CONTOUR
- EDGE OF EXISTING PAVEMENT
- X- SILT FENCE/SILT SOXX
- RETAINING WALL - PROPOSED
- WETLAND SYMBOL
- RIIP RAP

**CONSTRUCTION TIME TABLE:**

1. VEGETATION PLANTINGS AND ROAD CONSTRUCTION TO BEGIN THE SUMMER OF 2021 AND BE COMPLETED AS LATE AS SPRING OF 2022.

**WAIVER REQUESTS:**

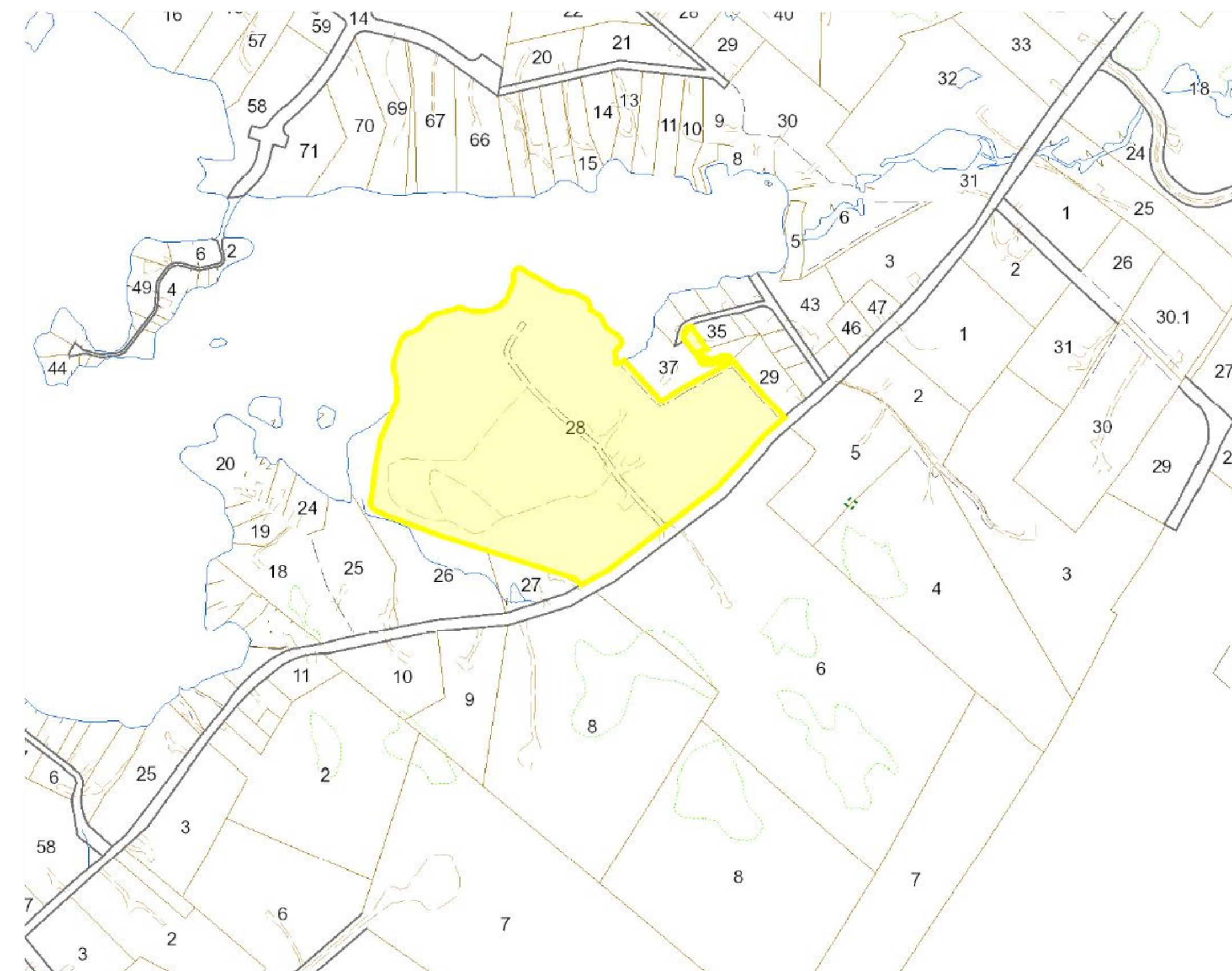
- TOWN OF BARRINGTON SITE PLAN REVIEW REGULATIONS:**
- ARTICLE 6. SECTION 6.2.3 (2) Placement. No site within the commercial recreational campground or camping park shall be located within one hundred feet (100 ft.) of any boundary line. All campsites must be screened from adjacent properties by a naturally vegetated buffer, or other screening approved by the Planning Board.
  - ARTICLE 4.7.7(1) - MINIMUM ALLOWABLE STORM DRAIN PIPE DIAMETER IS 15". WE ARE PROPOSING 12".
  - ARTICLE 4.12 - OUTDOOR LIGHTING. WE ARE PROPOSING NOT FIXED OUTDOOR LIGHTING.
  - ARTICLE 4.7.2 (10) WATER QUALITY TREATMENT FACILITIES SHALL BE DESIGNED TO THE NHDES STANDARDS.
  - ARTICLE 4.7.7(3) MINIMUM DEPTH OF COVER FOR STORM DRAINS SHALL BE 36 INCHES.



LOCATION PLAN

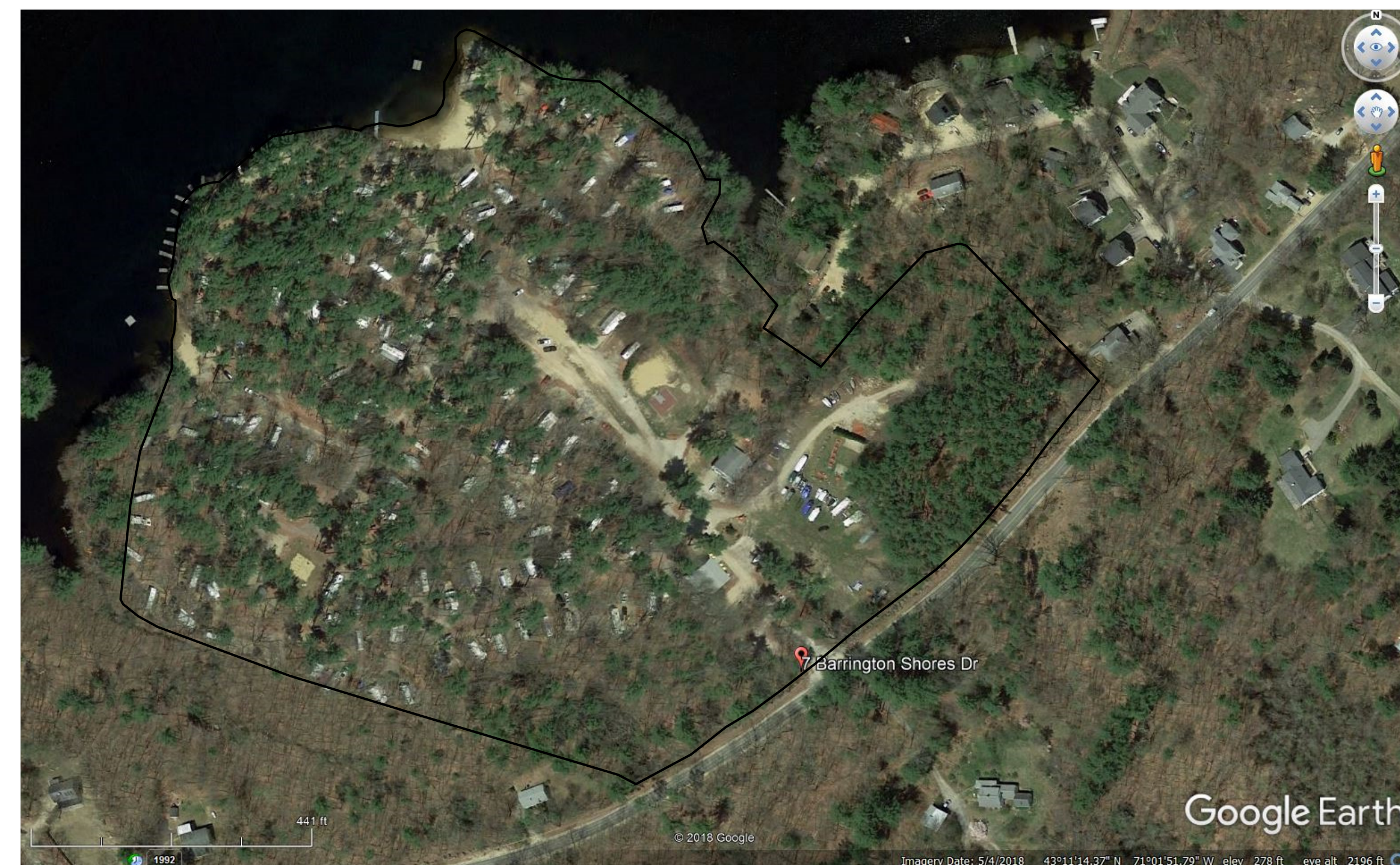
**NOTES:**

- TAX MAP 121 LOT 28
- SEE EXISTING CONDITIONS PLAN BY STONEWALL SURVEY
- LOT IS ZONED: GENERAL RESIDENTIAL LIES WITHIN THE SWAINS LAKE VILLAGE WATER OVERLAY ZONE
- THE INTENT OF THIS PLAN IS FOR 24 NEW SEASONAL CAMPER SITES, INCLUDING ROAD LAYOUT DRAINAGE IMPROVEMENTS AND NEW SEPTIC SYSTEM AND WATER SYSTEM.
- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE OWNER SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE TOWN OF BARRINGTON SITE REVIEW REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATIONS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- IN ACCORDANCE WITH TOWN REGULATIONS AND RSA 676:13, ALL IMPROVEMENTS SPECIFIED ON THESE SITE PLANS SHALL BE CONSTRUCTED, COMPLETED, INSPECTED AND APPROVED BY THE TOWN OF BARRINGTON PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- WATER AND SEWER LINE LOCATIONS ARE APPROXIMATE FIELD ADJUSTMENTS MAY BE NECESSARY.
- GRADING WITHIN 250 FEET OF THE LAKE REQUIRES A SHORELAND PERMIT.

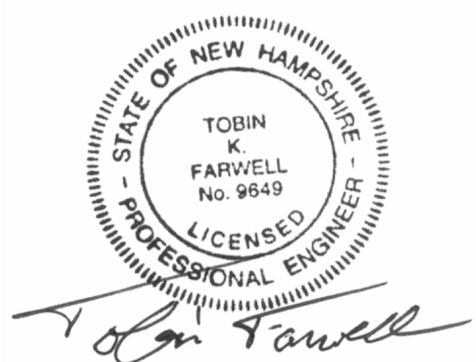


TAX MAP  
NTX

**SHEET INDEX:**



265 WADLEIGH FALLS ROAD  
LEE, NEW HAMPSHIRE 03861  
PH: 603-292-5787  
WWW.FARWELLENGINEERING.COM



ISSUED FOR: APPROVAL

ISSUE DATE: MARCH 6, 2020

FILE NAME: 1958-BARRINGTON SHORES

NO.	DATE	DESCRIPTION	TKF	BY
5	4/16/21	ENG./TOWN COMMENTS	TKF	
4	3/25/21	ENG. REVIEW COMMENTS	TKF	
3	1/29/21	REVISED PLAN	TKF	
2	10/7/20	PB COMMENTS	TKF	
1	6/2/20	PB COMMENTS	TKF	

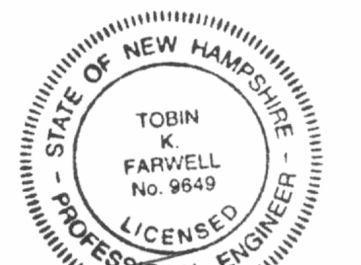
SCALE: VARIES

OWNER/APPLICANT:  
**BARRINGTON SHORES, LLC**  
240 REVERE STREET  
WINTHROP, MA 02152

PROJECT:  
**TAX MAP/LOT 121/28**  
**7 BARRINGTON SHORE DRIVE**  
**BARRINGTON, NH**

TITLE:  
**COVER SHEET**

SHEET NUMBER:  
**C-1**



*Tom Farwell*

ISSUED FOR: APPROVAL  
ISSUE DATE: MARCH 6, 2020  
FILE NAME: 1958-BARRINGTON SHORES

NO.	DATE	DESCRIPTION	TKF	BY
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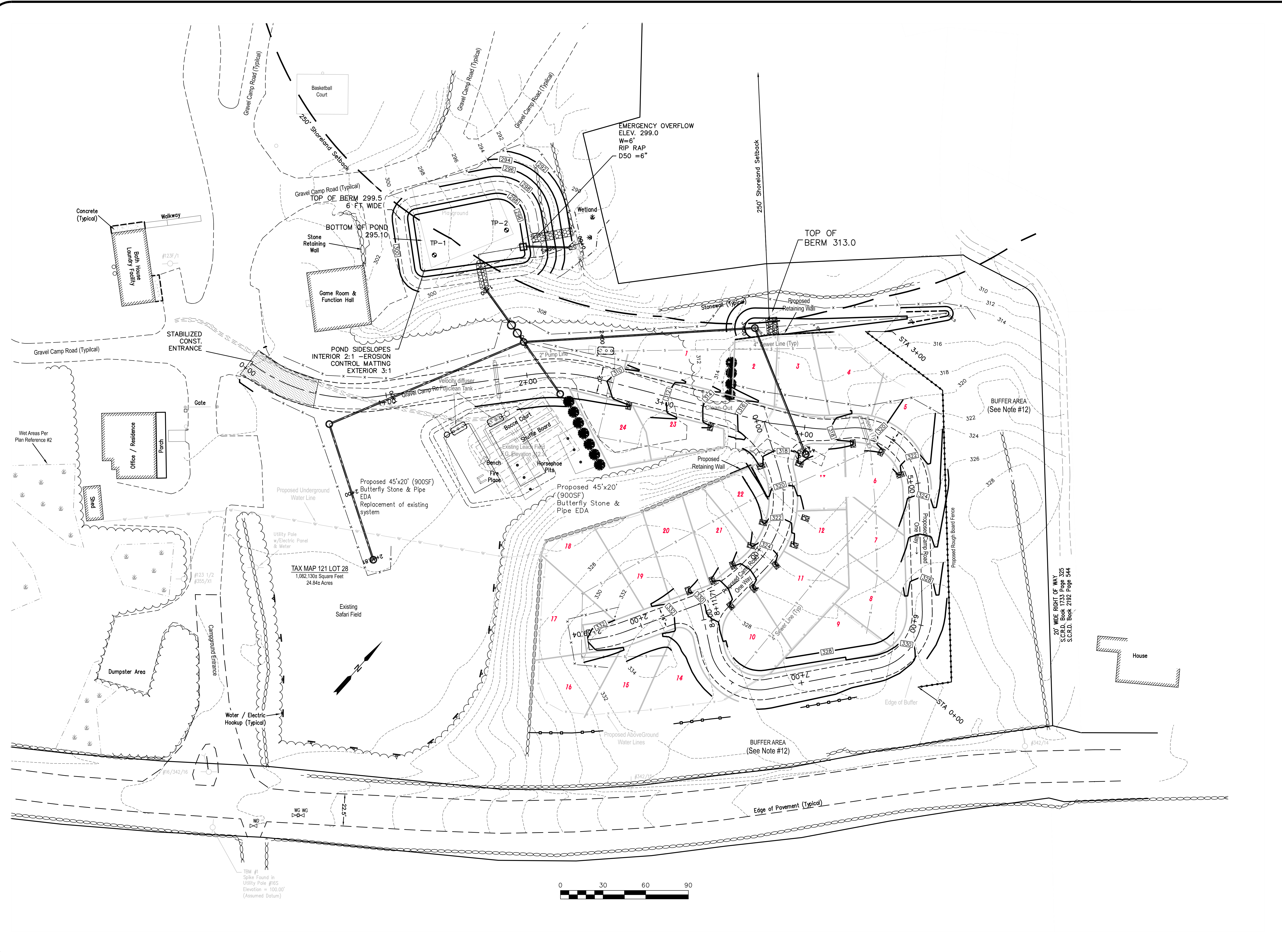
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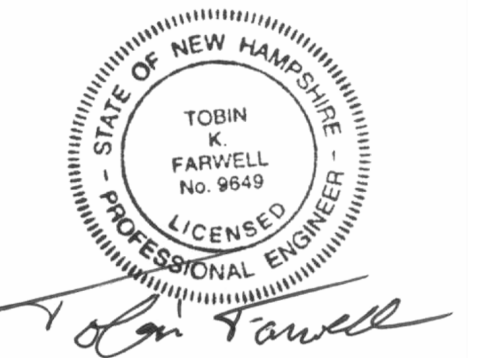
OWNER/APPLICANT:  
**BARRINGTON SHORES, LLC**  
240 REVERE STREET  
WINTHROP, MA 02152

PROJECT:  
**TAX MAP/LOT 121/28**  
7 BARRINGTON SHORE DRIVE  
BARRINGTON, NH

TITLE:  
**GRADING PLAN**

SHEET NUMBER:  
**C-2**





ISSUED FOR: APPROVAL  
ISSUE DATE: MARCH 6, 2020  
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3	1/25/21	REVISED PLAN	TKF
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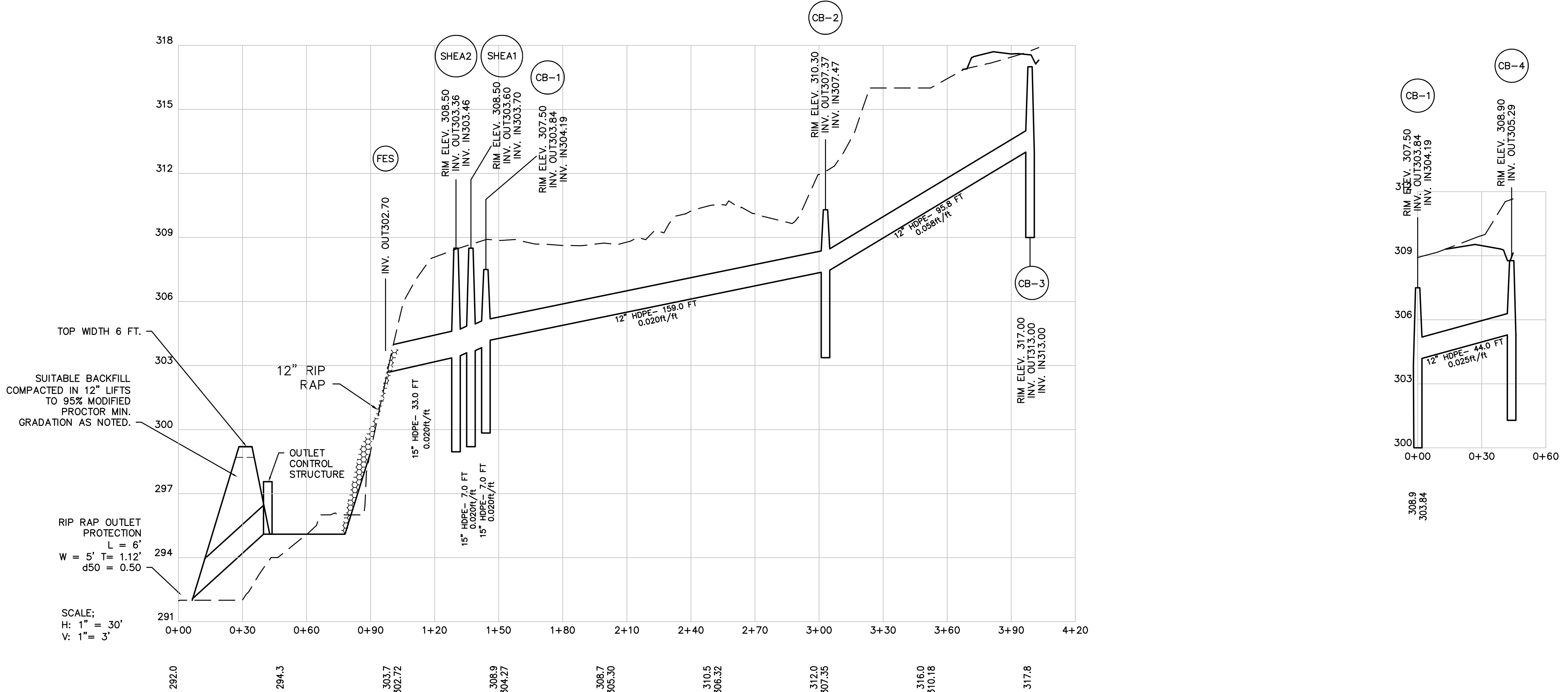
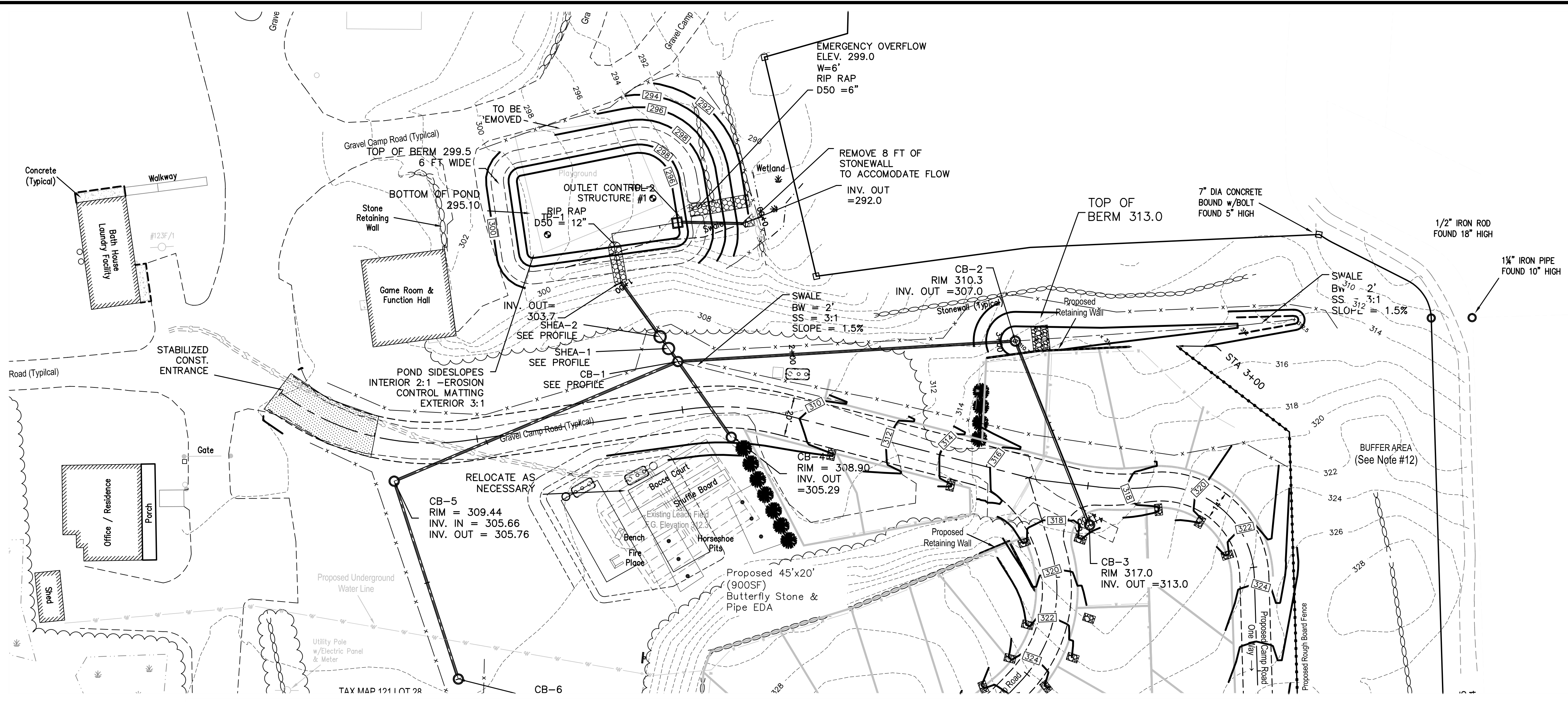
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OWNER/APPLICANT:  
**BARRINGTON SHORES, LLC**  
240 REVERE STREET  
WINTHROP, MA 02152

PROJECT:  
**TAX MAP/LOT 121/28**  
7 BARRINGTON SHORE DRIVE  
BARRINGTON, NH

TITLE:  
**DRAINAGE PROFILE**

SHEET NUMBER:  
**C-3**





ISSUED FOR: APPROVAL

ISSUE DATE: MARCH 6, 2020

FILE NAME: 1958-BARRINGTON SHORES

NO.	DATE	DESCRIPTION	BY
5	4/16/21	ENG./TOWN COMMENTS	TKF
4	3/25/21	ENG. REVIEW COMMENTS	TKF
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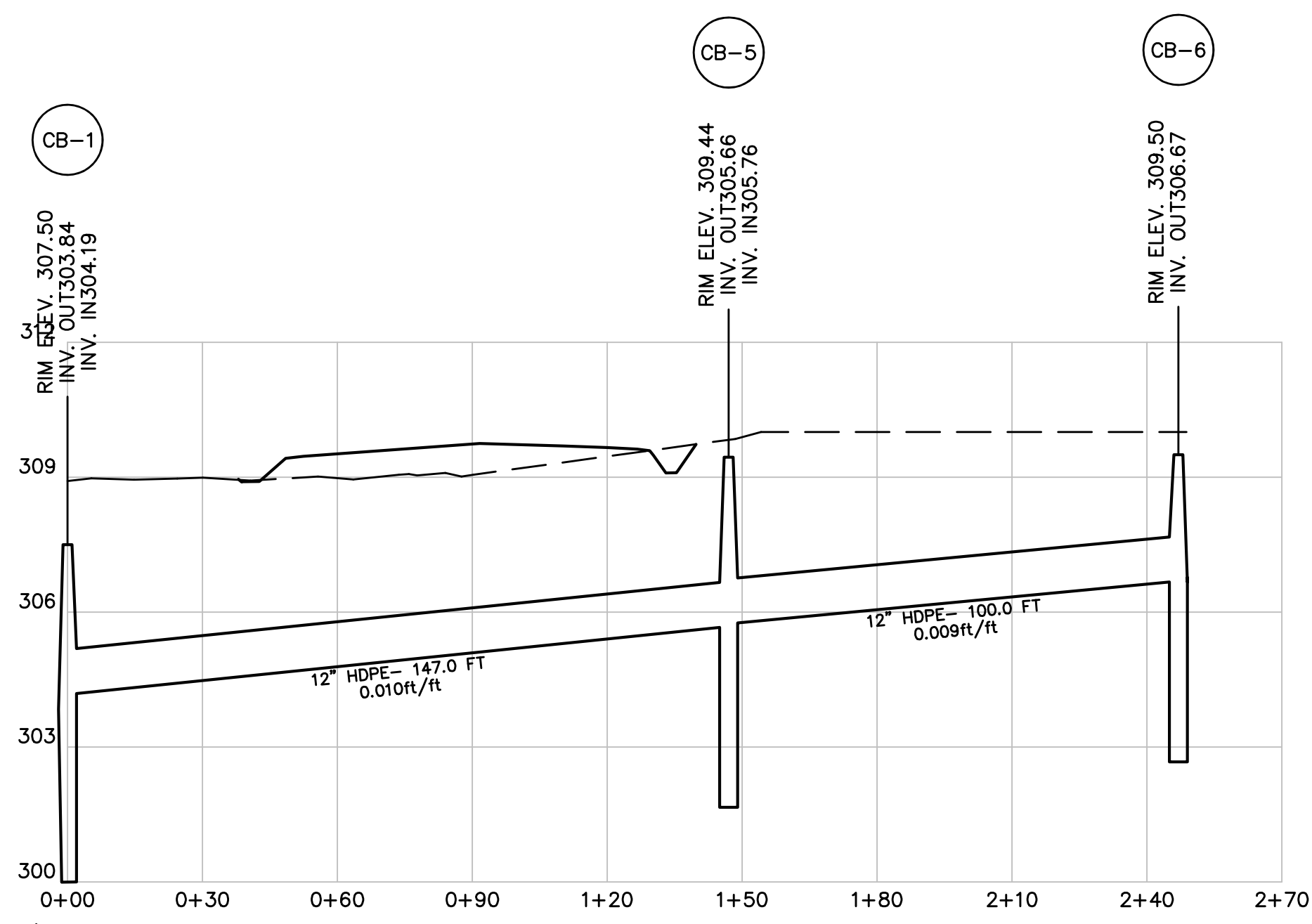
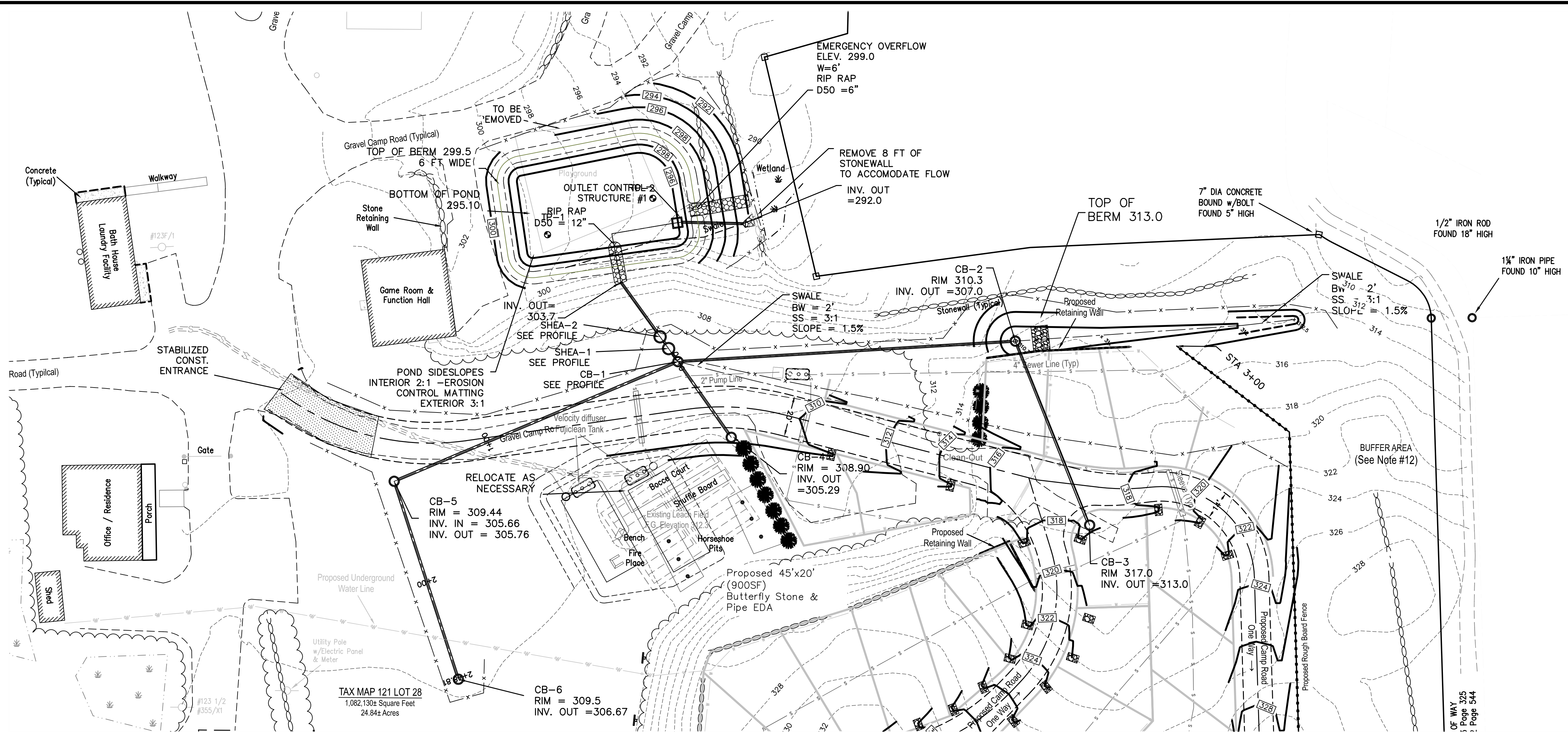
SCALE: 1" = 30'

OWNER/APPLICANT:  
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240 REVERE STREET  
WINTHROP, MA 02152

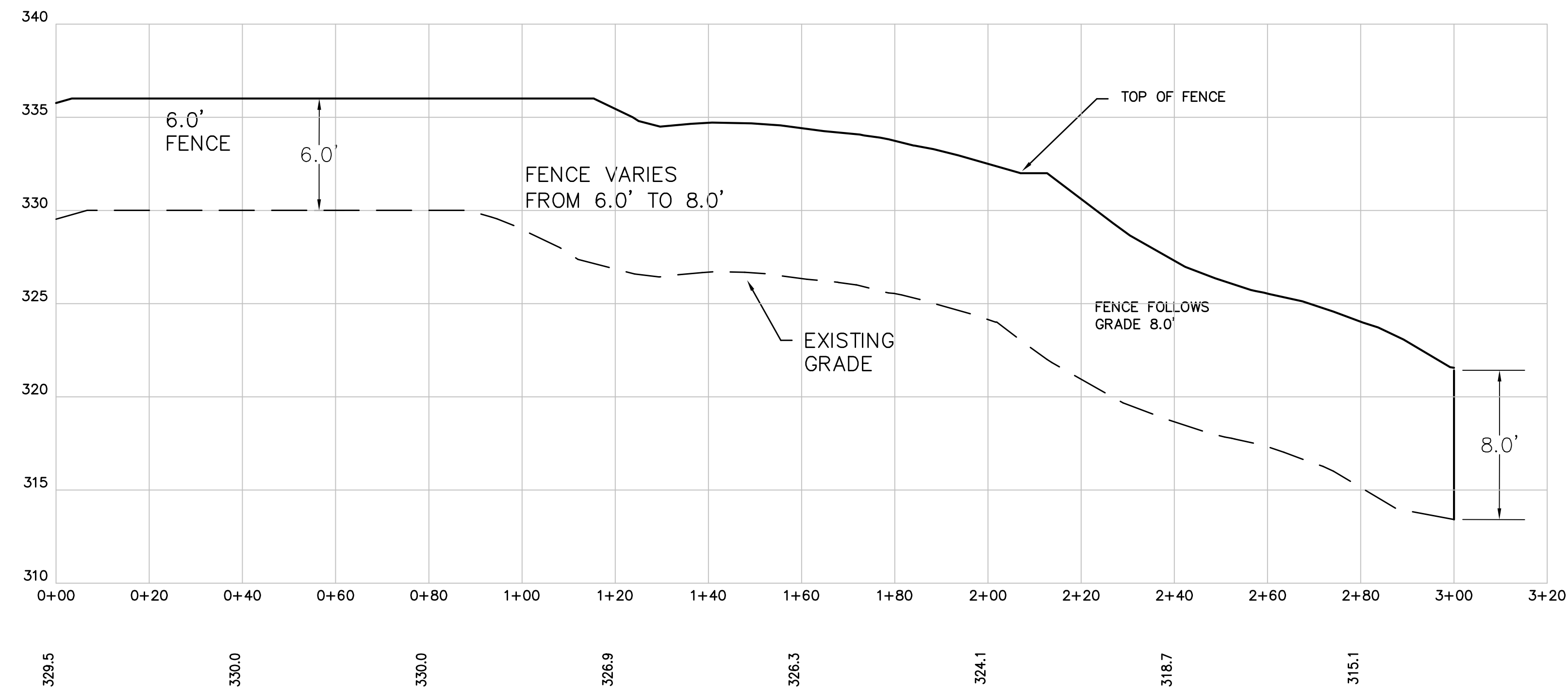
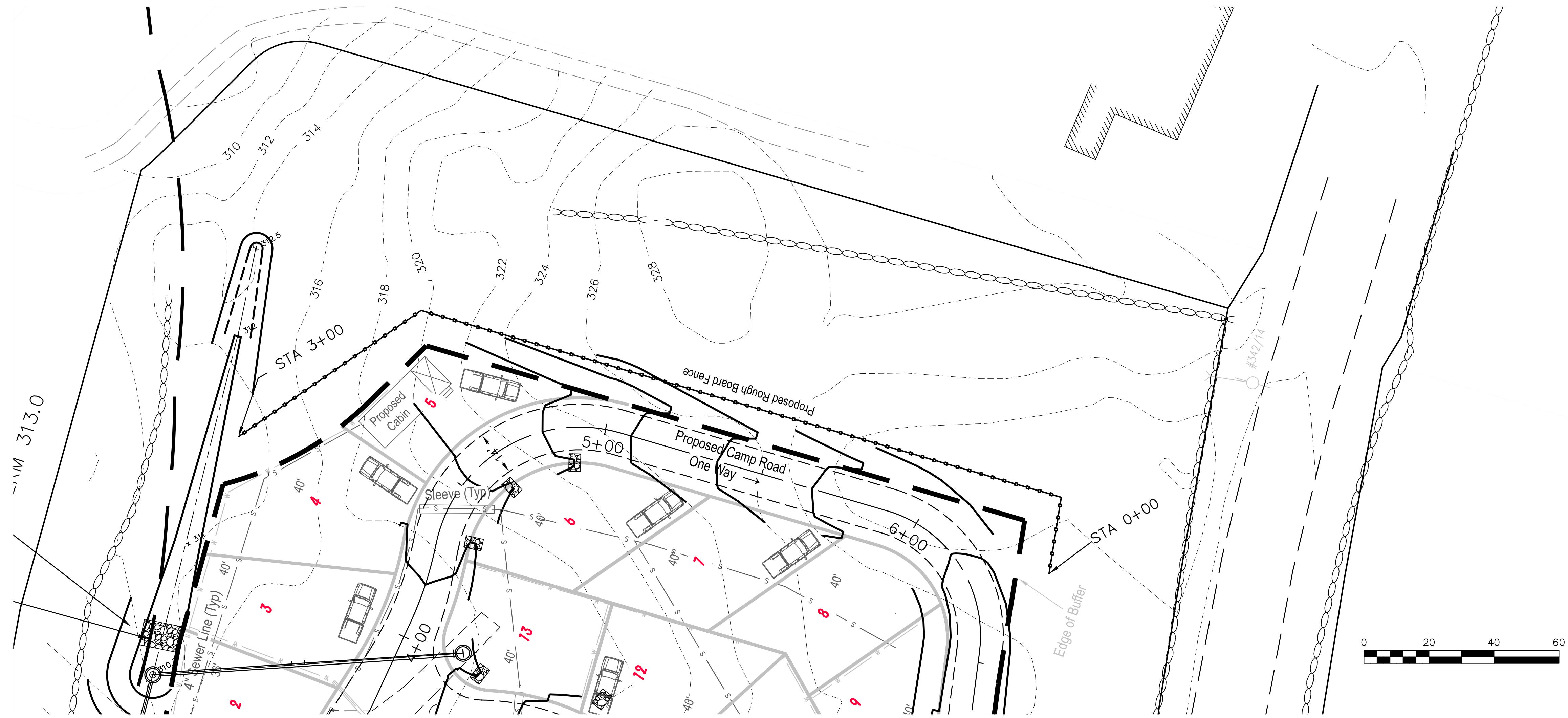
PROJECT:  
**TAX MAP/LOT 121/28**  
**7 BARRINGTON SHORE DRIVE**  
**BARRINGTON, NH**

TITLE:  
**DRAINAGE PROFILE**

SHEET NUMBER:  
**C-4**



SCALE:  
H: 1" = 30'  
V: 1" = 3'



SCALE;  
H: 1" = 20'  
V: 1" = 5'

**FENCE CONSTRUCTION NOTES:**  
1. FENCE LOCATION MAY VARY BY NO MORE THAN 5 FT HORIZONTALLY.

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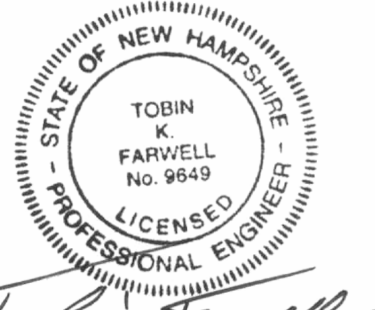
SCALE: 1" = 20'

OWNER/APPLICANT:  
**BARRINGTON SHORES, LLC**  
240 REVERE STREET  
WINTHROP, MA 02152

PROJECT:  
**TAX MAP/LOT 121/28**  
**7 BARRINGTON SHORE DRIVE**  
**BARRINGTON, NH**

TITLE:  
**FENCE PROFILE**

SHEET NUMBER:  
**C-5**



*Tobin K. Farwell*

**PROJECT NAME AND LOCATION**

BARRINGTON SHORES  
7 BARRINGTON SHORE DRIVE  
BARRINGTON, NH

LATITUDE: 043° 11' 06" N  
LONGITUDE: 071° 1' 37" W

**DESCRIPTION**

EXPANSION OF SEASONAL RENTAL AREAS – DRAINAGE IMPROVEMENTS – NEW SEPTIC SYSTEM & WATER SYSTEM EXPANSION.

**DISTURBED AREA**

THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 83,000 sq± (1.9 AC.±)

**SEQUENCE OF MAJOR ACTIVITIES**

- PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS
- GRUB SITE AND HAUL STUMPS OFF SITE.
- ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- ALL ROADWAY SHALL BE STABILIZED WITH 72 HRS OF ACHIEVING FINISHED GRADE.
- ALL CUT AND FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HRS OF ACHIEVING FINISHED GRADE.
- ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY 1/2" OF RAINFALL.

**NAME OF RECEIVING WATERS**

SWAINS LAKE

**TEMPORARY EROSION AND SEDIMENT CONTROLS AND STABILIZATION PRACTICES**

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES THE SILT FENCES/SILT SOCK SHALL BE INSTALLED PRIOR TO COMMENCING ANY CLEARING OR GRADING OF THE SITE. STRUCTURAL CONTROLS SHALL BE INSTALLED CONCURRENTLY WITH THE APPLICABLE ACTIVITY. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN TWENTY EIGHT (28) DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN TWENTY-ONE (21) DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY IS COMPLETED IN AN AREA, SILT FENCES/SILT SOCK, BARRIERS AND ANY EARTH/DIKES WILL BE REMOVED ONCE PERMANENT MEASURES ARE ESTABLISHED.

DURING CONSTRUCTION, RUNOFF WILL BE DIVERTED AROUND THE SITE WITH STABILIZED CHANNELS WHERE POSSIBLE. SHEET RUNOFF FROM THE SITE WILL BE FILTERED THROUGH SILT FENCES/SILT SOCK.

**INSTALLATION, MAINTENANCE AND INSPECTION PROCEDURES FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES**

**A. GENERAL**

THESE ARE THE GENERAL INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO IMPLEMENT THE PLAN.

- THE SMALLEST PRACTICAL PORTION OF THE SITE WILL BE DENUDE AT ONE TIME.
- ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER.
- ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS.
- BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE OR HAY BALE BARRIERS WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE FENCE OR BALE, OR WHEN "BULGES" OCCUR.
- ALL DIVERSION DIKES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
- TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.
- A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.
- THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
- THE OWNER'S AUTHORIZED ENGINEER SHALL INSPECT THE SITE ON A PERIODIC BASIS TO ASSURE COMPLIANCE WITH THE PLANS.

**B. MULCHING**

- TIMING**  
MULCHING – MULCH SHOULD BE USED ON HIGHLY ERODIBLE SOILS, ON CRITICALLY ERODING AREAS, ON AREAS WHERE CONSERVATION OF MOISTURE WILL FACILITATE PLANT ESTABLISHMENT, AND WHERE SHOWN ON THE PLANS. IN ORDER FOR MULCH TO BE EFFECTIVE, IT MUST BE IN PLACE PRIOR TO MAJOR STORM EVENTS. THERE ARE TWO (2) TYPES OF STANDARDS WHICH SHALL BE USED TO ASSURE THIS.

- APPLY MULCH PRIOR TO ANY STORM EVENT. THIS IS APPLICABLE WHEN WORKING WITHIN 100 FEET OF WETLANDS. IT WILL BE NECESSARY TO CLOSELY MONITOR WEATHER PREDICTIONS, USUALLY BY CONTACTING THE NATIONAL WEATHER SERVICE IN CONCORD, TO HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.
- REQUIRED MULCHING WITHIN A SPECIFIED TIME PERIOD. THE TIME PERIOD CAN RANGE FROM 21 TO 28 DAYS OF INACTIVITY ON A AREA. THE LENGTH OF TIME VARYING ACCORDING TO SITE CONDITIONS. PROFESSIONAL JUDGMENT SHALL BE USED TO EVALUATE THE INTERACTION OF SITE CONDITIONS (SOIL ERODIBILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES, ETC.) AND THE POTENTIAL IMPACT OF EROSION ON ADJACENT AREAS TO CHOOSE AN APPROPRIATE TIME RESTRICTION.

**2. GUIDELINES FOR WINTER STABILIZATION.**

- ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH OR WHICH ARE DISTURBED AFTER OCTOBER 15TH SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHOR NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH OR WHICH ARE DISTURBED AFTER OCTOBER 15TH SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

- AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3 OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

- 3. MAINTENANCE**  
ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED.

**C. TEMPORARY GRASS COVER**

- 1. SEEDBED PREPARATION**  
APPLY FERTILIZER AT THE RATE OF 600 POUNDS PER ACRE OF 10-10-10. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF THREE (3) TONS PER ACRE.
- 2. SEEDING**
  - UTILIZE ANNUAL RYE GRASS AT A RATE OF 40 LBS/ACRE.
  - WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF TWO (2) INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED.
  - APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). HYDROSEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING.
- 3. MAINTENANCE**  
TEMPORARY SEEDINGS SHALL BE PERIODICALLY INSPECTED. AT A MINIMUM, 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.).

**D. FILTERS**

- 1. SILT FENCE**
  - SYNTHETIC FILTER FABRIC SHALL BE A PEROUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:

SILT FENCE PROPERTIES		
PHYSICAL PROPERTY	TEST	REQUIREMENTS
GRAB TENSILE	ASTM-D-4632	95/80 LB
PUNCTURE	ASTM-D-4833	45 LB
FLOW RATE	ASTM-D-4491	5 GAL/MIN/SF
UV RESISTANCE	ASTM D-4751	80%
GRAB ELONGATION	ASTM D-4632	20/25%

\* Requirements reduced by 50 percent after six (6) months of installation.

SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF SIX (6) MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 DEGREES F TO 120° F.

- POSTS SHALL BE SPACED A MAXIMUM OF TEN (10) FEET APART AT THE BARRIER LOCATION OR AS RECOMMENDED BY THE MANUFACTURER AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 16 INCHES).

- A TRENCH SHALL BE EXCAVATED APPROXIMATELY SIX (6) INCHES WIDE AND SIX (6) INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST ONE (1) INCH LONG, THE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND NO MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACES.

- THE "STANDARD STRENGTH" FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND SIX (6) INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

- WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ITEM (C) APPLYING.

- 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 AREAS HAVE BEEN PERMANENTLY STABILIZED.

**2. SEQUENCE OF INSTALLATION**

SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE UPSLOPE OF THEM.

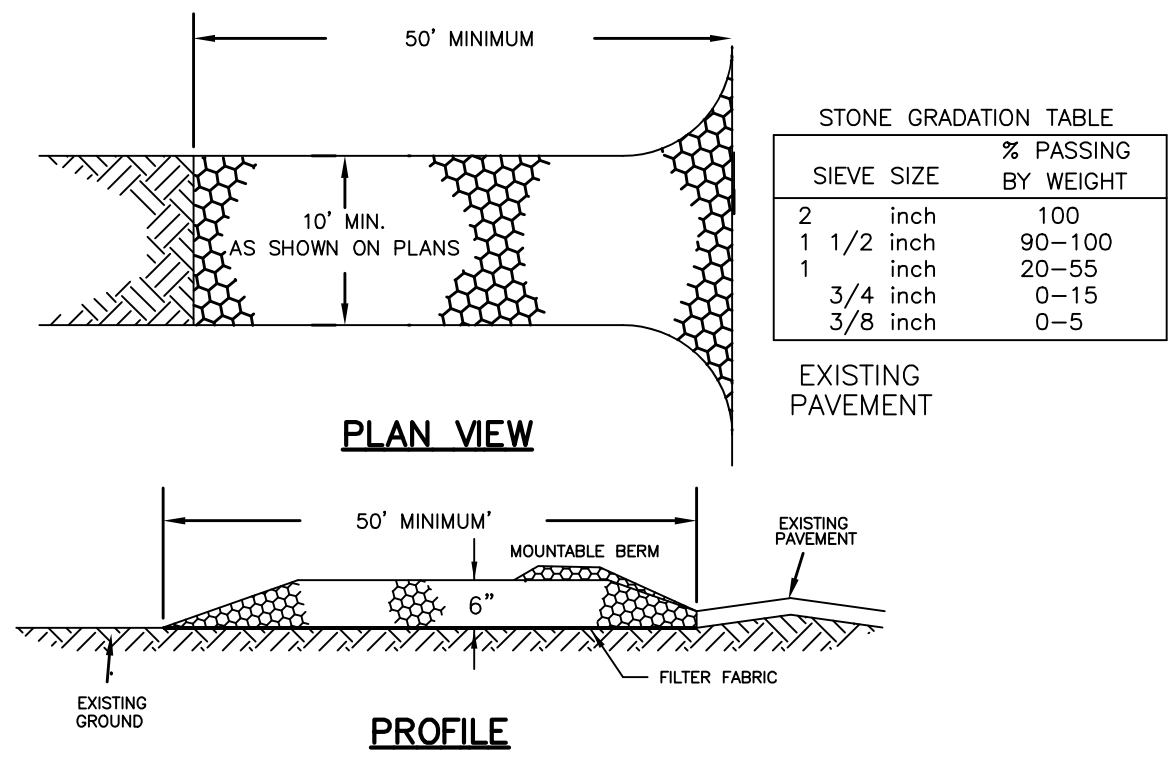
**3. MAINTENANCE**

- SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. THEY SHALL BE REPAIRED IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPONDING OF LARGE VOLUMES OF WATER, THE SEDIMENT BARRIERS SHALL BE REPLACED WITH A TEMPORARY CHECK DAM.
- SHOULD THE FABRIC ON A SILT FENCE FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD (1/3) THE HEIGHT OF THE BARRIER.
- ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR HAY BALE BARRIER IS NO LONGER REQUIRED SHALL BE REMOVED. THE AREA SHALL BE PREPARED AND SEEDED.
- ADDITIONAL STONE MAY HAVE TO BE ADDED TO THE CONSTRUCTION ENTRANCE, ROCK BARRIER STONE LINED SWALES, ETC., PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE EROSION CONTROL STRUCTURE.

**E. PERMANENT SEEDING:**

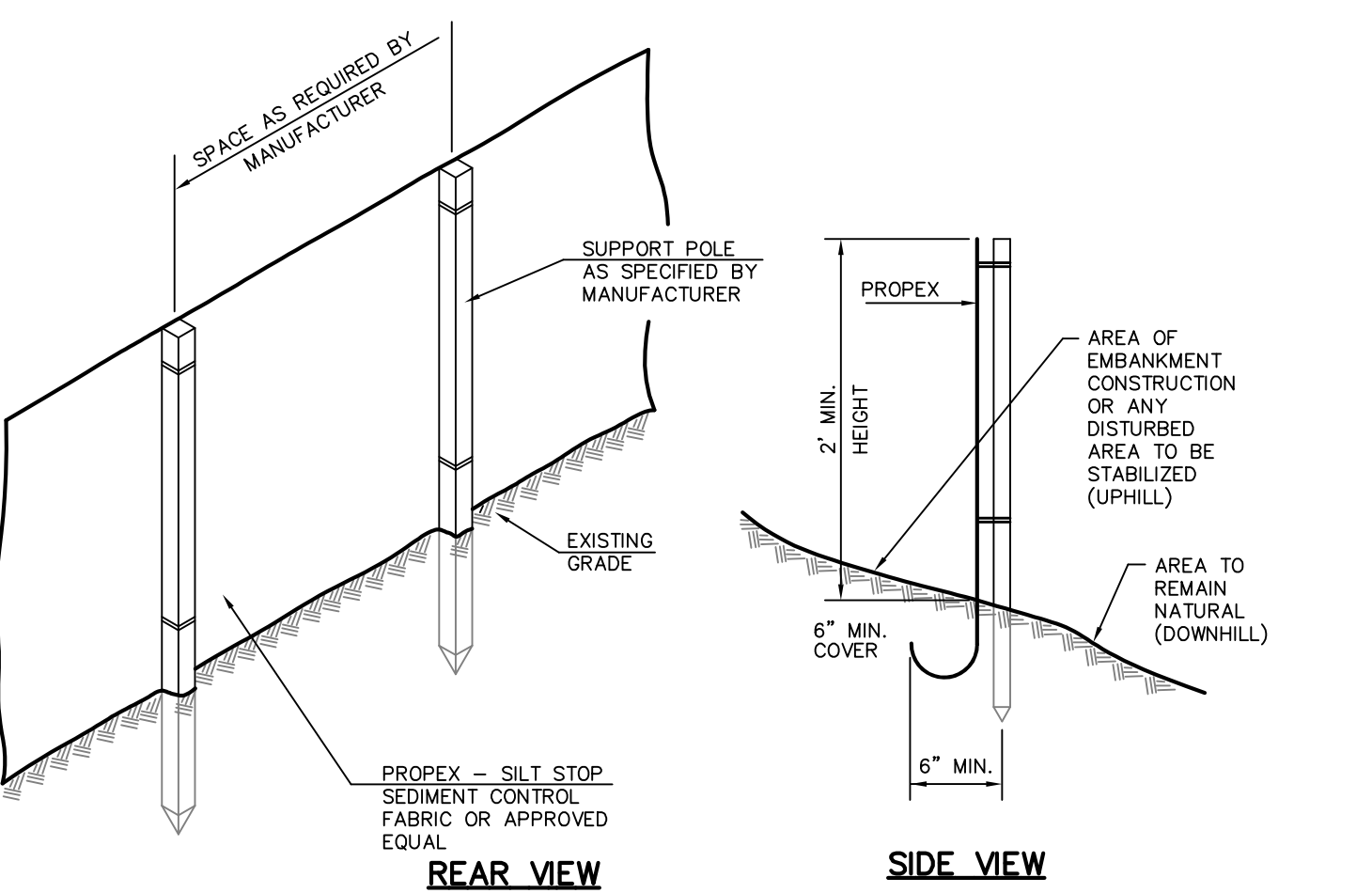
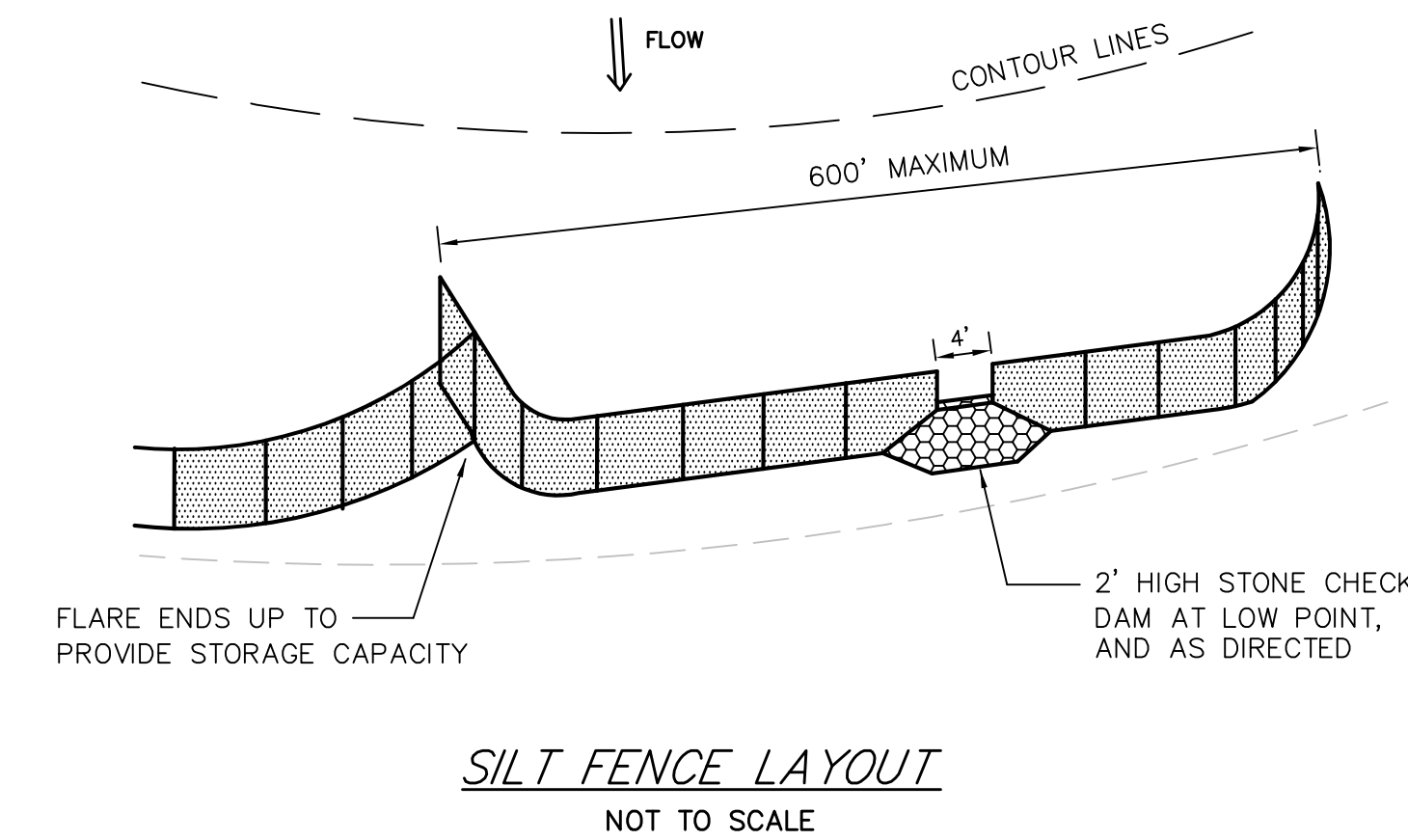
- BEDDING** – STONES LARGER THAN 1", TRASH, ROOTS, AND OTHER DEBRIS THAT WILL INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA SHOULD BE REMOVED. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF 4" TO PREPARE A SEEDED AND MIX FERTILIZER INTO THE SOIL.
- FERTILIZER** – LIME AND FERTILIZER SHOULD BE APPLIED EVENLY OVER THE AREA PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED: AGRICULTURAL LIMESTONE @ 100 LBS. PER 1,000 S.F. 10-20-20 FERTILIZER @ 12 LBS. PER 1,000 S.F. SEED MIXTURE (RECOMMENDED):
- GRASS SEED:** PROVIDE FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH TOLERANCE FOR PURITY AND GERMINATION ESTABLISHED BY OFFICIAL SEED ANALYSIS OF NORTH AMERICA. PROVIDE SEED MIXTURE COMPOSED OF GRASS SPECIES, PROPORTIONS AND MINIMUM PERCENTAGES OF PURITY AS SPECIFIED.

Name	Proportion by Weight	% Germination
Baron Bluegrass	20%	80
Kentucky Bluegrass	20%	80
Creeping Red Fescue	35%	85
Champion Perennial Ryegrass	25%	90
- SODDING** – SODDING IS DONE WHERE IT IS DESIRABLE TO RAPIDLY ESTABLISH COVER ON A DISTURBED AREA. SODDING AN AREA MAY BE SUBSTITUTED FOR PERMANENT SEEDING PROCEDURES ANYWHERE ON SITE. BED PREPARATION, FERTILIZING, AND PLACEMENT OF SOD SHALL BE PERFORMED ACCORDING TO THE S.C.S. HANDBOOK. SODDING IS RECOMMENDED FOR STEEP SLOPED AREAS, AREAS IMMEDIATELY ADJACENT TO A SENSITIVE WATER COURSE, EASILY ERODIBLE SOILS (FINE SAND/SILT) ETC.

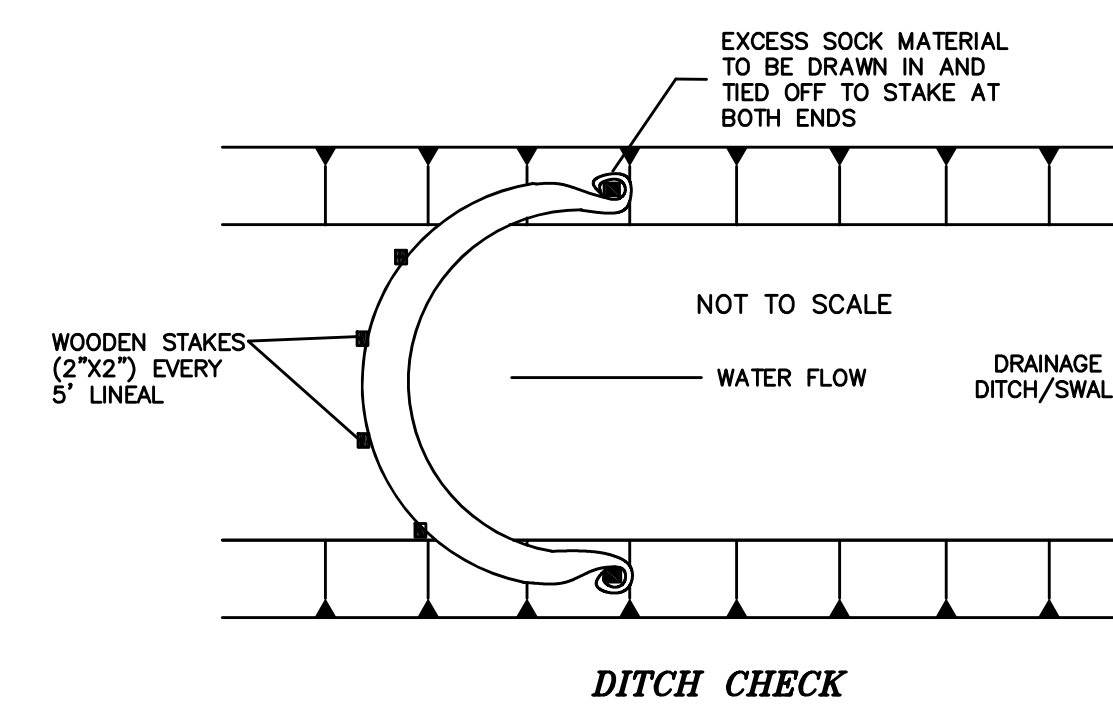
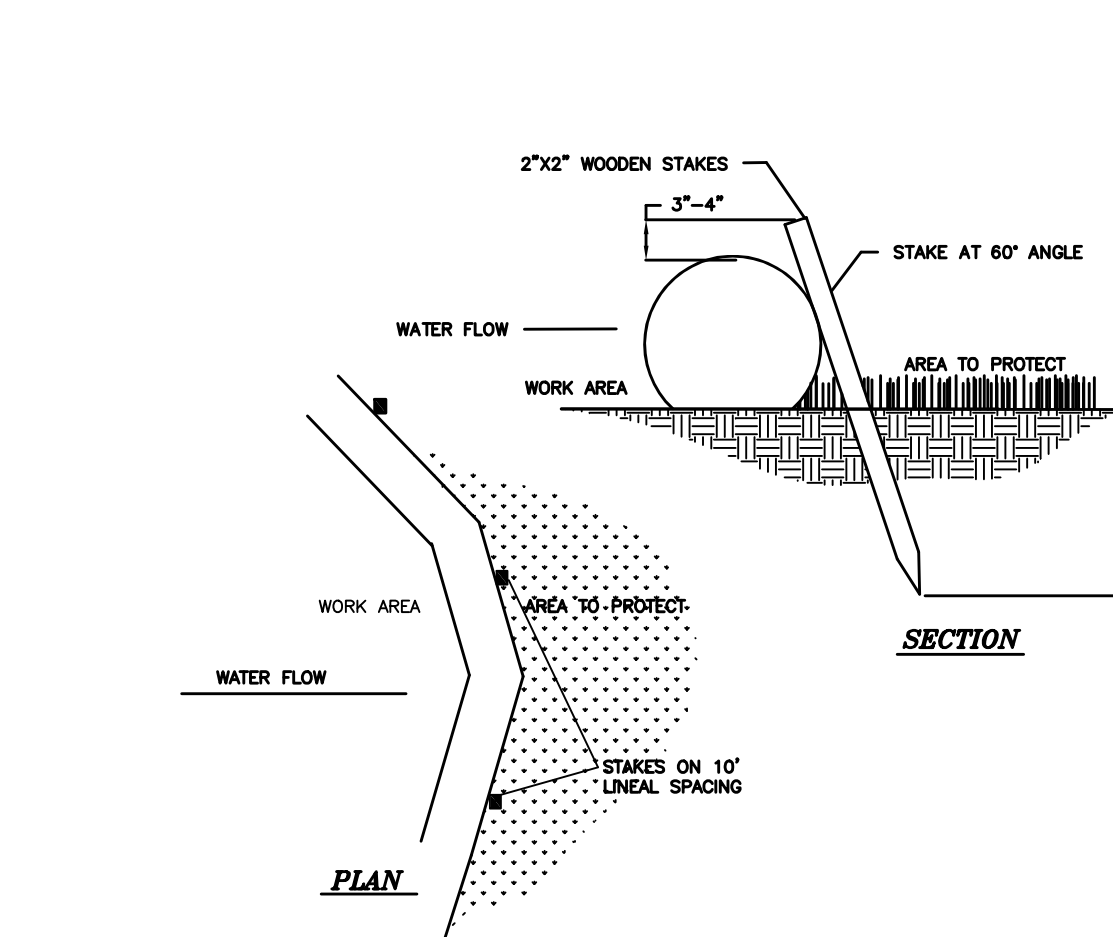


**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE** – NHDOT STANDARD STONE SIZE #4 – SECTION 703 OF NHDOT STANDARD SPECIFICATIONS. (SEE GRADATION TABLE)
- LENGTH** – DETAILED ON PLANS (50 FOOT MINIMUM).
- THICKNESS** – SIX (6) INCHES (MINIMUM).
- WIDTH** – FULL DRIVE WIDTH (10 FOOT MINIMUM).
- FILTER FABRIC** – MIRAFI 600X OR APPROVED EQUAL.
- SURFACE WATER CONTROL** – ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- MAINTENANCE** – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEELS** SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.



**STABILIZED CONSTRUCTION ENTRANCE**



NOTE: FOLLOW MANUFACTURER'S SPECIFICATION  
Modified from Filtrax Standard Specification and Design Manual, Version 5.0, 2006

ISSUED FOR:

APPROVAL

ISSUE DATE:

MARCH 6, 2020

FILE NAME:

1958-BARRINGTON SHORES

		TKF	TKF	TKF	TKF	TKF	BY
	ENG./TOWN COMMENTS						
	ENG. REVIEW COMMENTS						
	REVISED PLAN						
	PB COMMENTS						
	PB COMMENTS						
	PB COMMENTS						
	NO.						DATE
5		4/16/21					
4		3/25/21					
3		1/25/21					
2		10/7/20					
1		6/2/20					

SCALE:

1" = 30'

OWNER/APPLICANT:

**BARRINGTON SHORES, LLC  
240 REVERE STREET  
WINTHROP, MA 02152**

PROJECT:

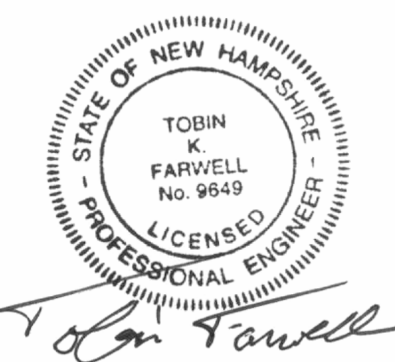
**TAX MAP/LOT 121/28  
7 BARRINGTON SHORE DRIVE  
BARRINGTON, NH**

TITLE:

DETAILS

SHEET NUMBER:

D-1



ISSUED FOR: APPROVAL

ISSUE DATE: MARCH 6, 2020

FILE NAME: 1958-BARRINGTON SHORES

NO.	DATE	PB COMMENTS	TKF	DESCRIPTION
5	4/16/21	ENG./TOWN COMMENTS	TKF	BY
4	3/25/21	ENG. REVIEW COMMENTS	TKF	
3	1/29/21	REVISED PLAN	TKF	
2	10/7/20	PB COMMENTS	TKF	
1	6/2/20	PB COMMENTS	TKF	

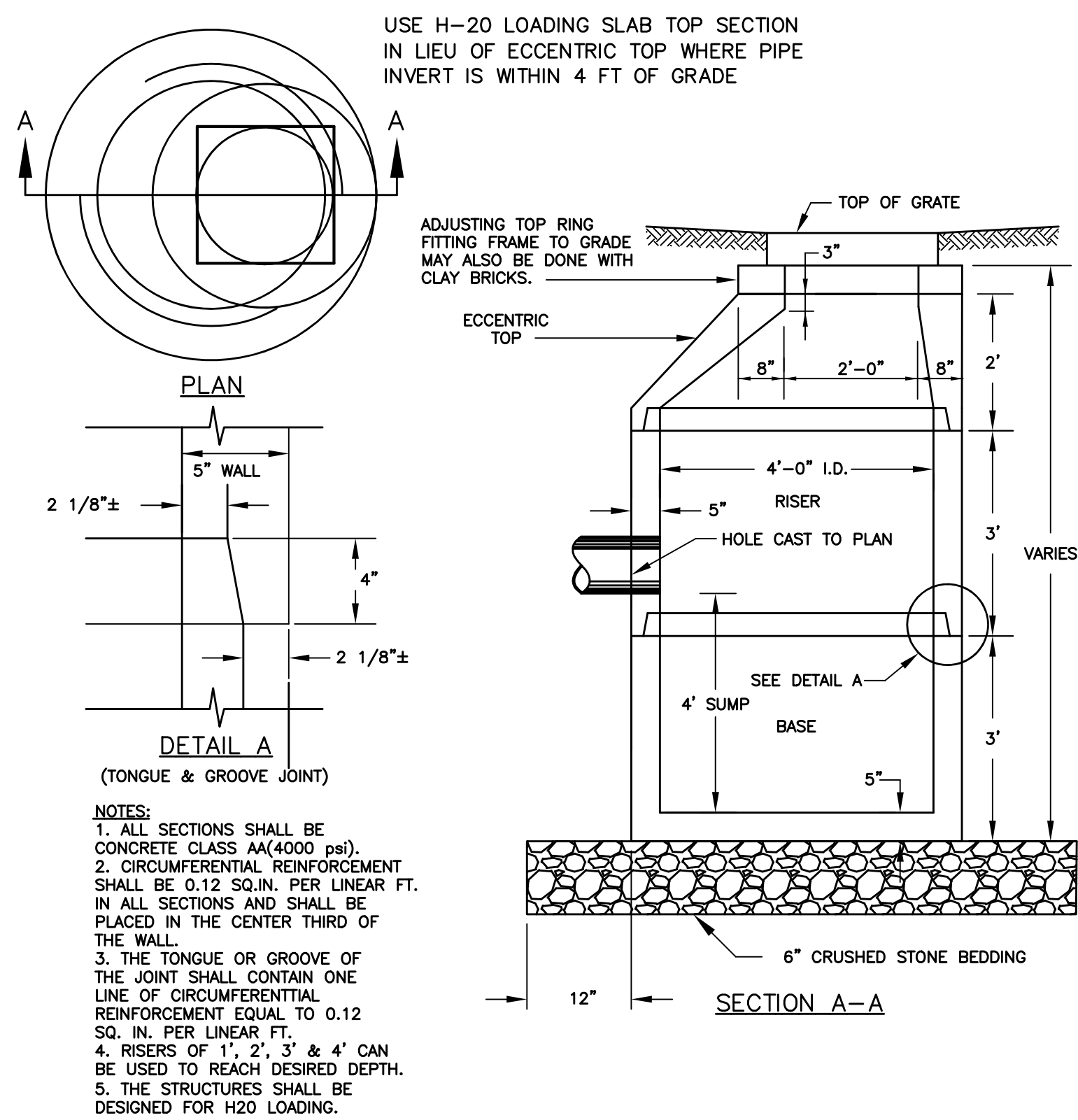
SCALE: 1" = 30'

OWNER/APPLICANT:  
**BARRINGTON SHORES, LLC**  
240 REVERE STREET  
WINTHROP, MA 02152

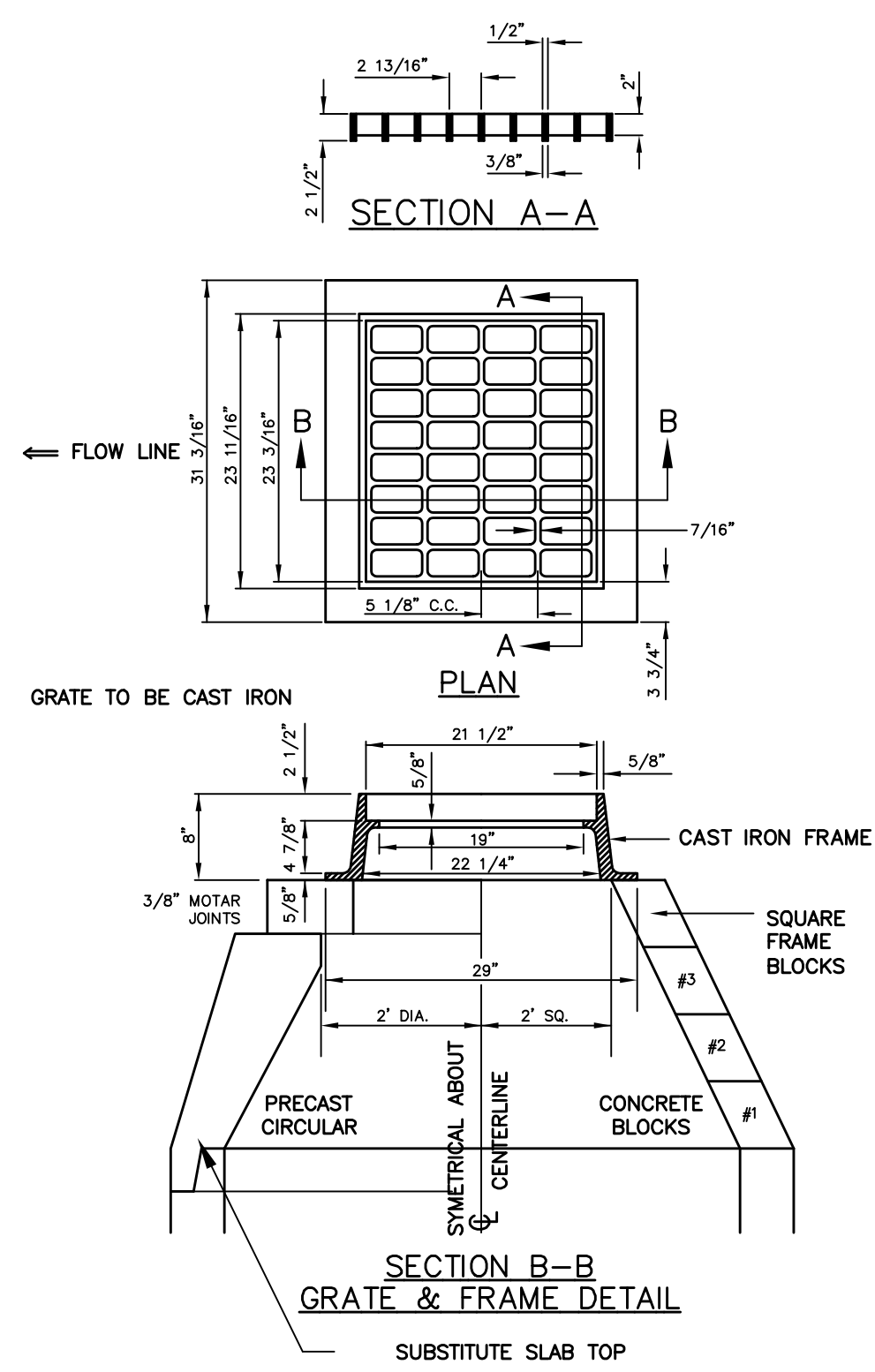
PROJECT:  
**TAX MAP/LOT 121/28**  
7 BARRINGTON SHORE DRIVE  
BARRINGTON, NH

TITLE:  
**DETAILS**

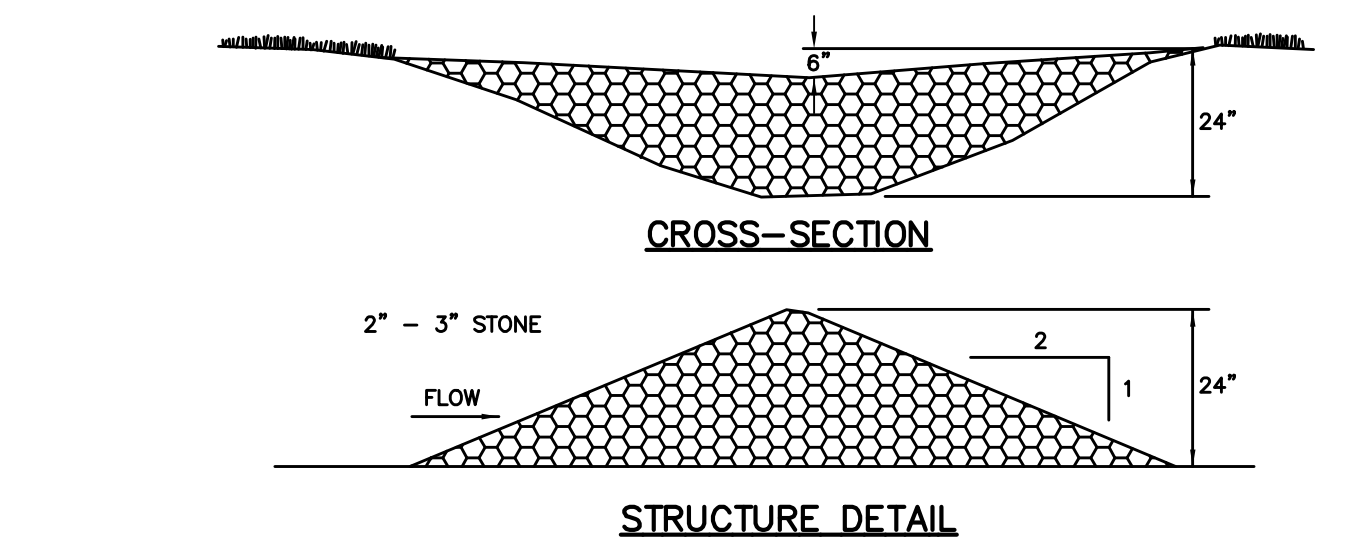
SHEET NUMBER:  
**D-2**



**CATCH BASIN AND DRAIN MANHOLE**  
NOT TO SCALE



**CATCH BASIN FRAME & GRATE**  
NOT TO SCALE



**SPACING BETWEEN STRUCTURES**

- L = DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION
- CHECK DAM SHALL BE CONSTRUCTED OF 2" TO 3" STONE WITH COMPLETE COVERAGE OF DITCH OR SWALE TO INSURE THAT THE CENTER OF THE STRUCTURE IS LOWER THAN THE EDGES.

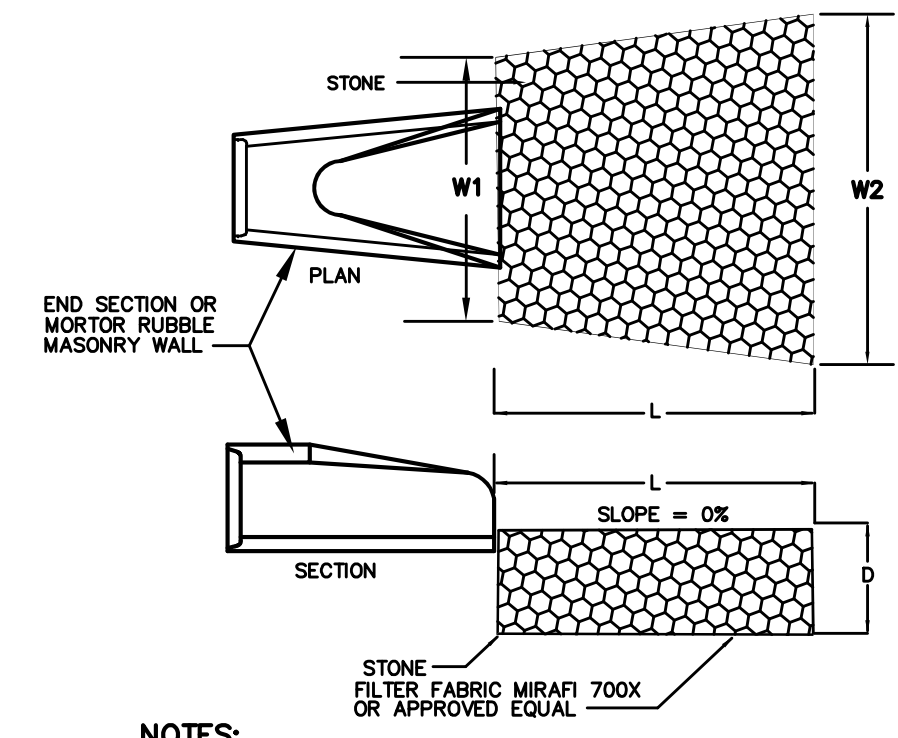
**MAINTENANCE**

TEMPORARY GRADE STABILIZATION STRUCTURES SHOULD BE CHECKED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED STORMS. ANY NECESSARY REPAIRS SHOULD BE MADE IMMEDIATELY. PARTICULAR ATTENTION SHOULD BE GIVEN TO END RUN AND EROSION AT THE DOWNSTREAM TOE OF THE STRUCTURE. WHEN THE STRUCTURES ARE REMOVED, THE DISTURBED PORTION SHOULD BE BROUGHT TO THE EXISTING CHANNEL GRADE AND THE AREAS PREPARED, SEEDED, AND MULCHED. WHILE THIS PRACTICE IS NOT INTENDED TO BE USED PRIMARILY FOR SEDIMENT TRAPPING, SOME SEDIMENT WILL ACCUMULATE BEHIND THE STRUCTURES. SEDIMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT HAS ACCUMULATED TO ONE HALF OF THE ORIGINAL HEIGHT OF THE STRUCTURE.

**CONSTRUCTION SPECIFICATIONS**

- STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION AND AIR AND WATER POLLUTION WILL BE MINIMIZED.
- SEEDING, FERTILIZING, AND MULCHING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROPRIATE VEGETATIVE BMP.
- STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.

**STONE CHECK DAM DETAIL**  
NOT TO SCALE

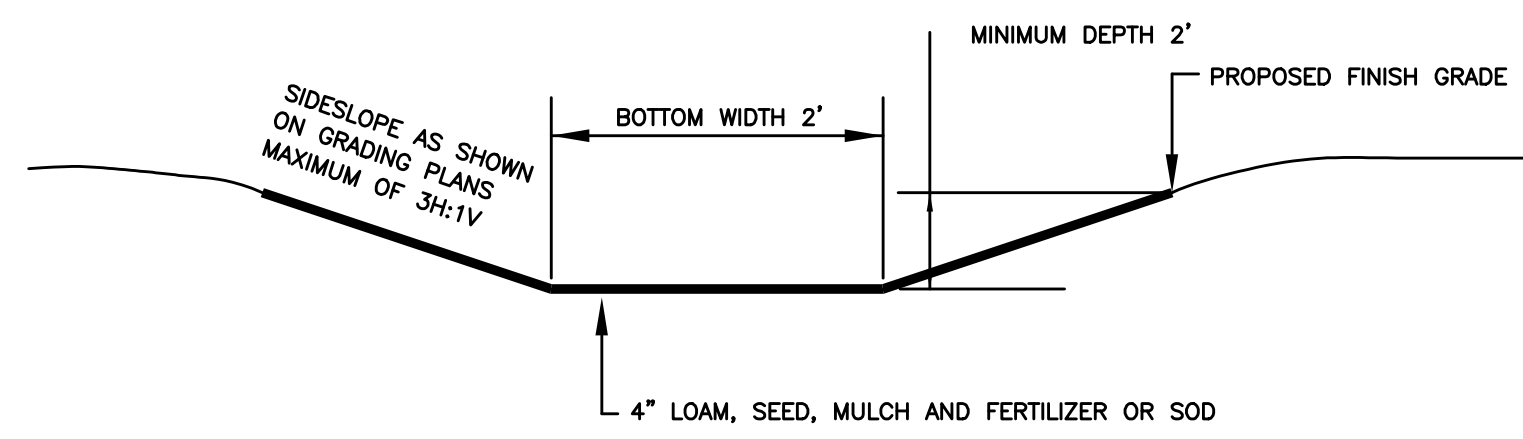


**NOTES:**

- STONE SIZE AND MAT DIMENSIONS DETAILED ON SITE PLANS.
- FIELD STONE, QUARRY STONE, OR ROCK FRAGMENTS SHALL BE SOUND, OF APPROVED QUALITY, AND FREE FROM STRUCTURAL DEFECTS. THE STONES SHALL BE ANGULAR AND APPROXIMATELY RECTANGULAR IN SHAPE. FLAT OR ROUND ROCKS ARE NOT ACCEPTABLE.
- A WELL GRADED MIXTURE OF ROCK SIZES SHALL BE USED FOR STONE. FIFTY PERCENT BY WEIGHT OF THE STONE MIXTURE SHALL BE SMALLER THAN THE MEDIAN SIZE STONE (d50). THE LARGEST STONE SIZE IN THE MIXTURE SHALL BE 1.5 TIMES THE d50 SIZE.

**RIP RAP OUTLET PROTECTION**

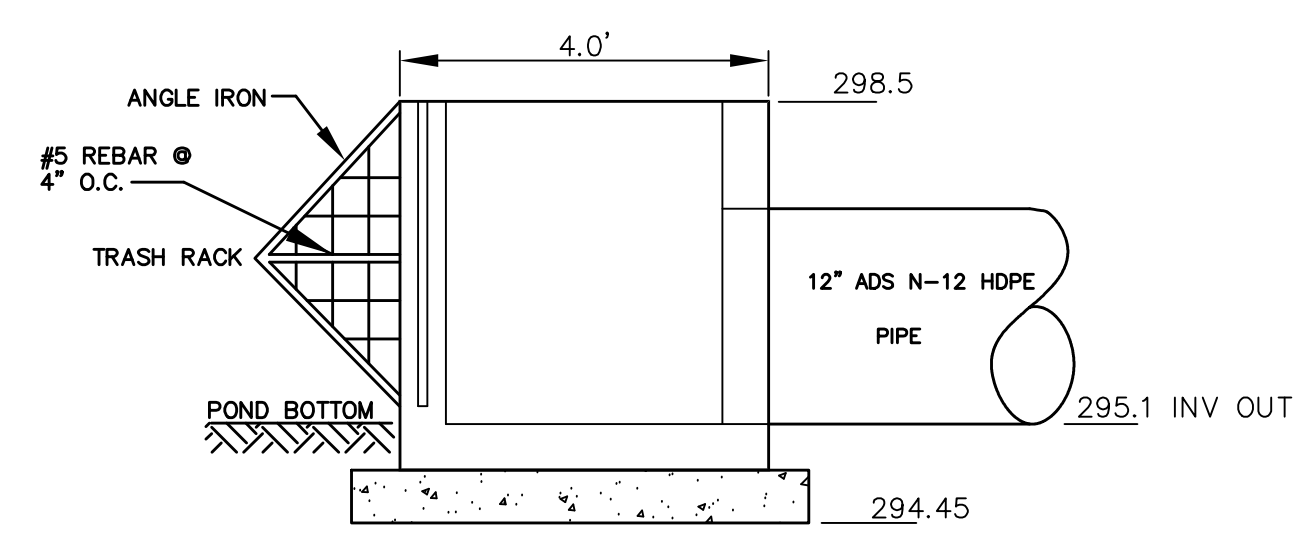
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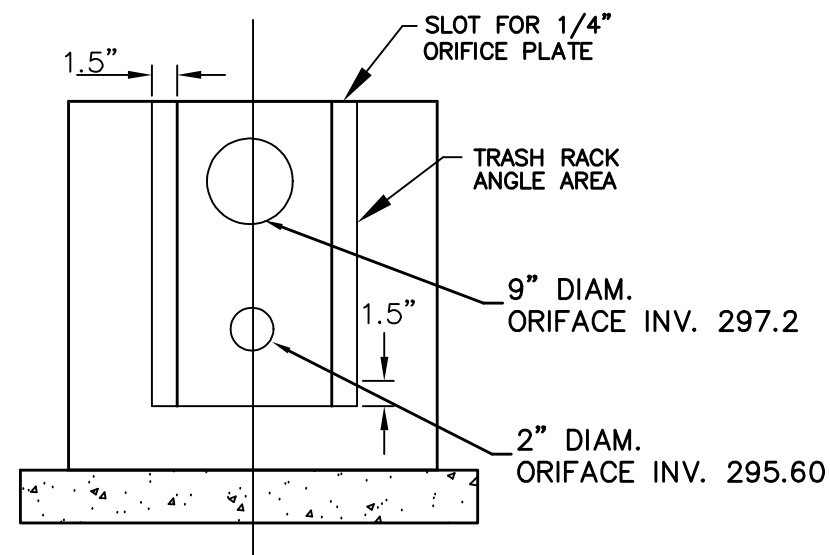
**NOTES:**

- THE FOUNDATION AREA OF THE WATERWAY SHALL BE CLEARED AND GRUBBED OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL. MATERIALS REMOVED SHALL BE DISPOSED OF SO THEY WILL NOT INTERFERE WITH THE CONSTRUCTION OR PROPER FUNCTIONING OF THE WATERWAY.
- THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE DESIGN CRITERIA. THE WATERWAY SHALL BE FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
- EARTH FILLS REQUIRED TO MEET SUBGRADE REQUIREMENTS BECAUSE OF OVER EXCAVATION OR TOPOGRAPHY SHALL BE COMPACTED TO THE SAME DENSITY AS THE SURROUNDING SOIL TO PREVENT UNEQUAL SETTLEMENT THAT COULD CAUSE DAMAGE TO THE COMPLETED WATERWAY. EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER AS TO MINIMIZE EROSION AND AIR AND WATER POLLUTION. ALL APPROPRIATE STATE AND LOCAL LAWS AND REGULATIONS SHALL BE COMPLIED WITH FOR INSTALLATION.
- VEGETATION SHALL BE ESTABLISHED IN THE SWALE PRIOR TO ALLOWING STORMWATER RUNOFF TO FLOW THROUGH THE SWALE.
- MAINTENANCE OF THE VEGETATION IN THE GRASSED WATERWAY IS EXTREMELY IMPORTANT IN ORDER TO PREVENT RILLING, EROSION, AND FAILURE OF THE WATERWAY. MOWING SHOULD BE DONE FREQUENTLY ENOUGH TO CONTROL ENCROACHMENT OF WEEDS AND WOODY VEGETATION AND TO KEEP THE GRASSES IN A VIGOROUS CONDITION. THE VEGETATION SHOULD NOT BE MOWED TOO CLOSELY SO AS TO REDUCE THE EROSION RESISTANCE IN THE WATERWAY.
- THE WATERWAY SHOULD BE INSPECTED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE THE CONDITION OF THE WATERWAY. RILLS AND DAMAGED AREAS SHOULD BE PROMPTLY REPAIRED AND REVEGETATED AS NECESSARY TO PREVENT FURTHER DETERIORATION.
- PERIODIC APPLICATIONS OF LIME AND FERTILIZER MAY BE NEEDED TO MAINTAIN VIGOROUS GROWTH.

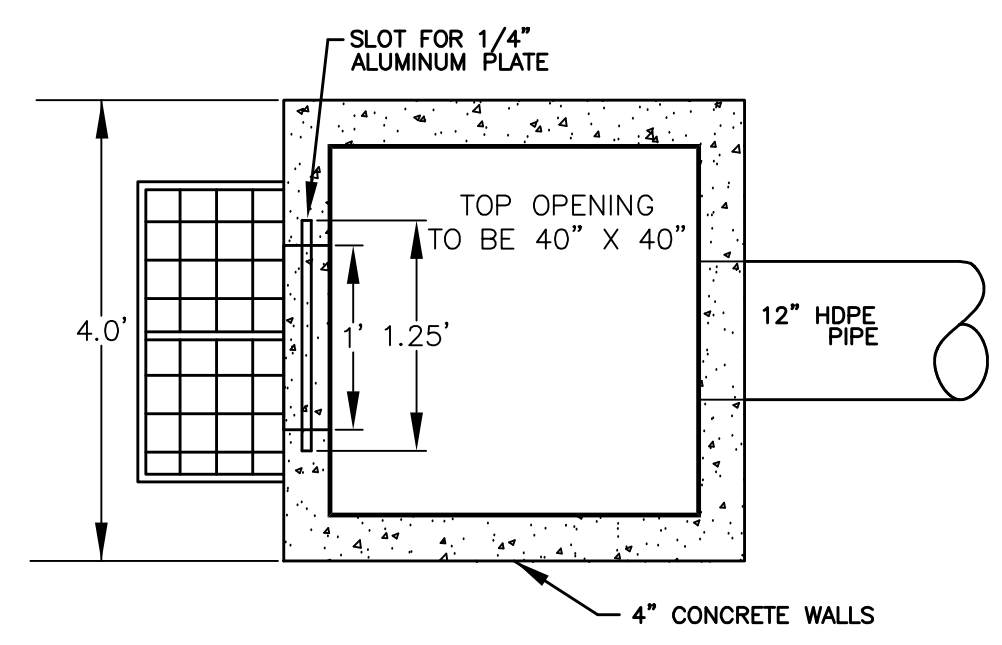
**GRASSED SWALE**  
NOT TO SCALE



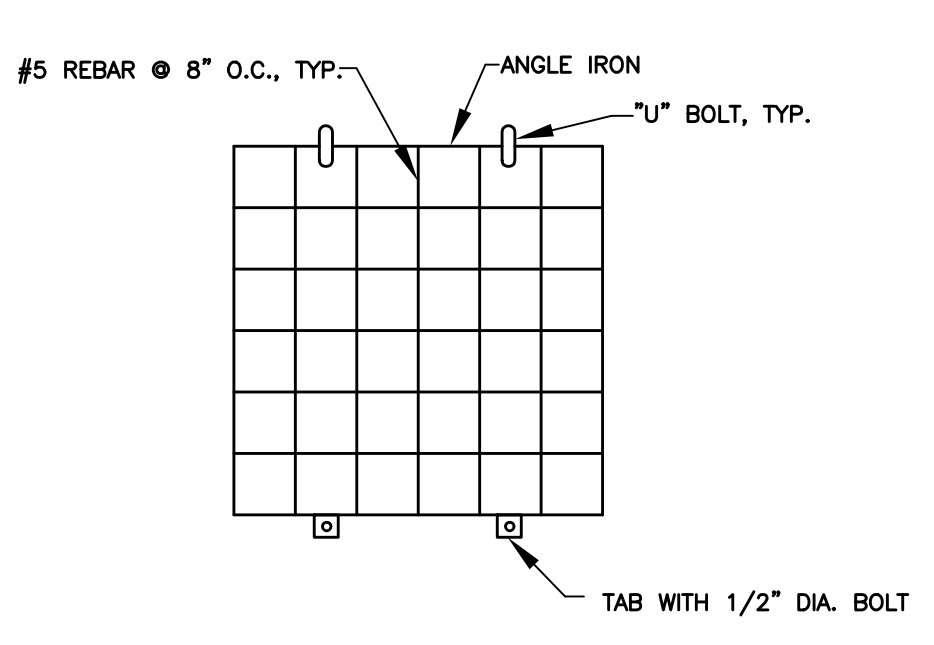
**SIDE VIEW**



**FRONT VIEW**

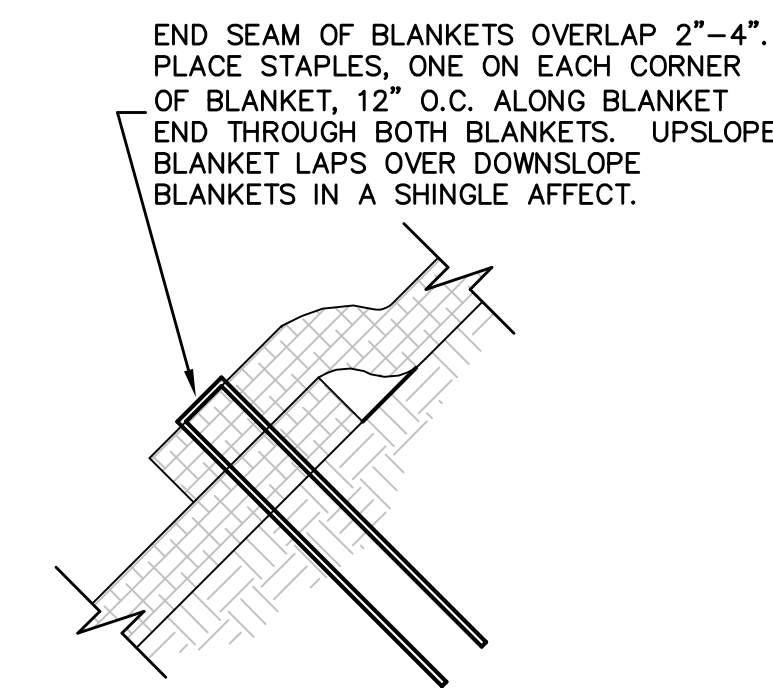
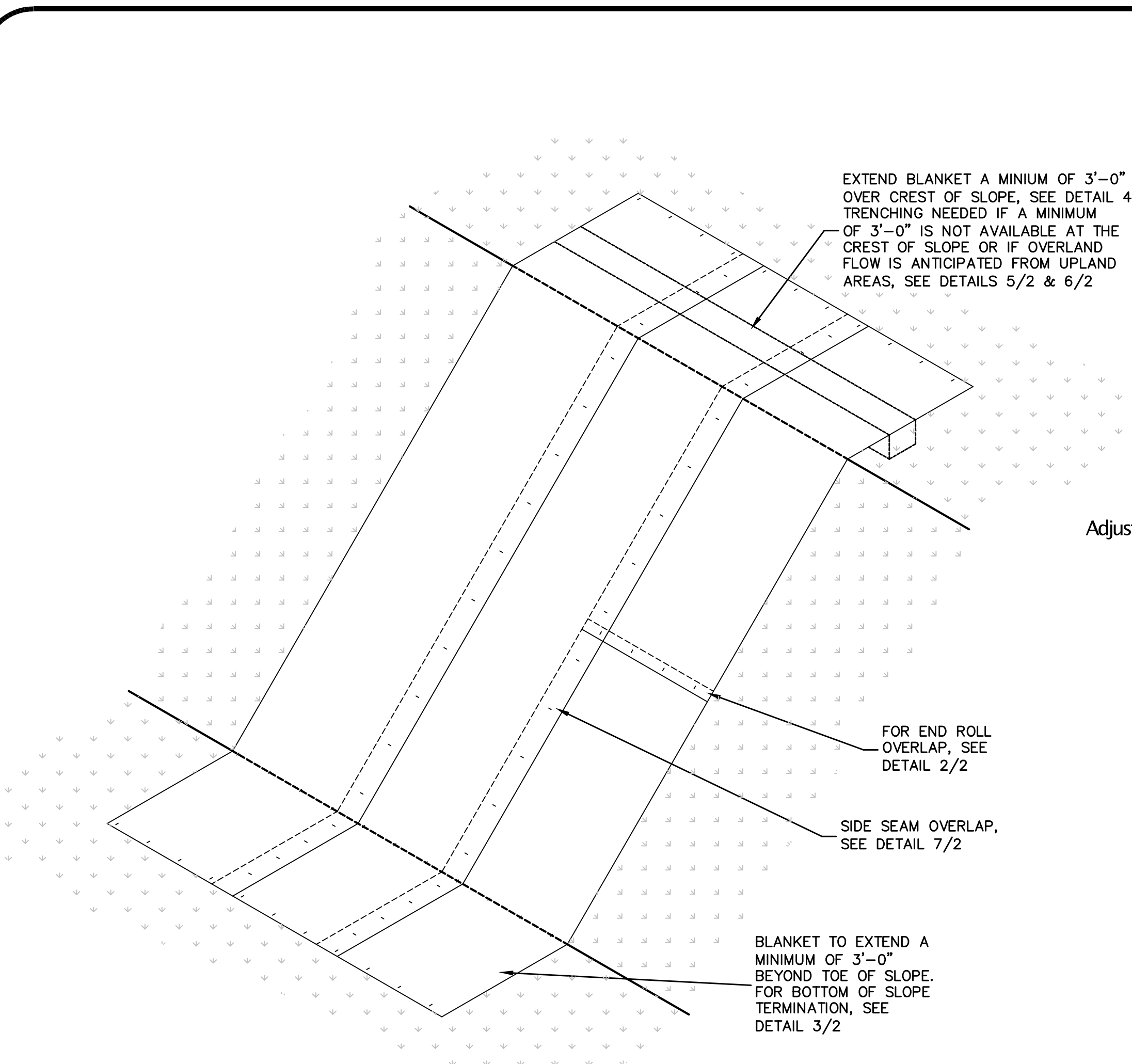


**TOP VIEW**

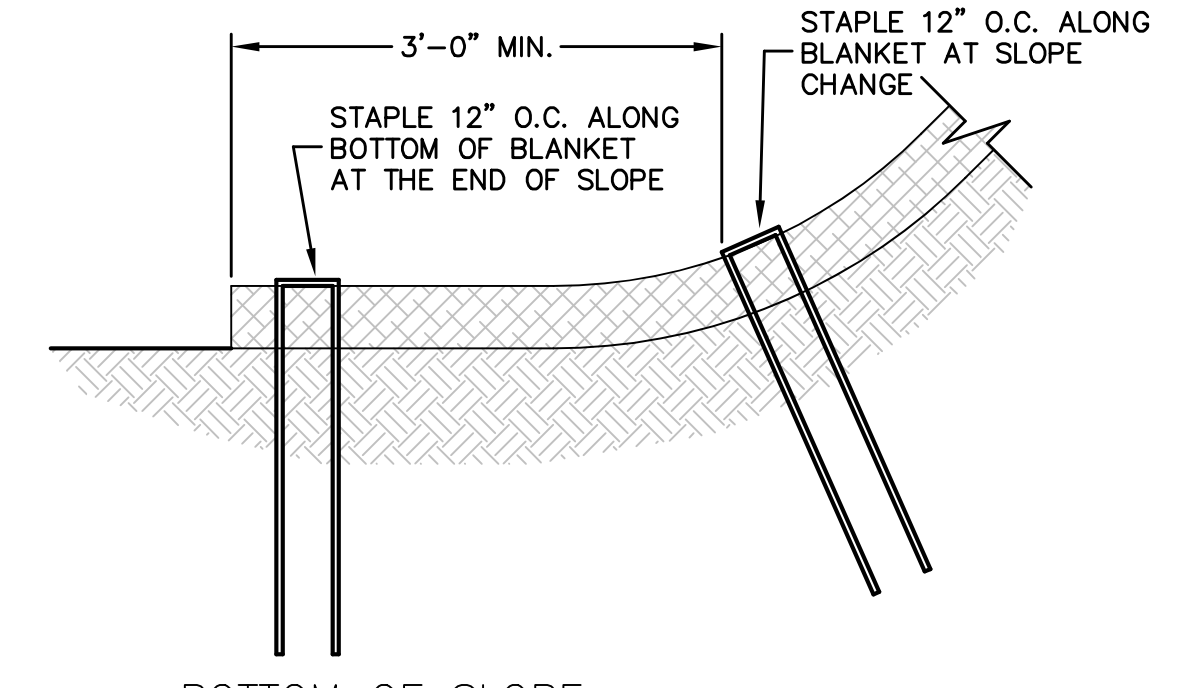


**POND STRUCTURE COVER**

**OUTLET STRUCTURE #1**  
NOT TO SCALE



END ROLL OVERLAP  
NO SCALE



BOTTOM OF SLOPE  
TERMINATION  
NO SCALE

**AEC Premier Straw® Staple Pattern Guide**

For 8 ft wide AEC Premier Straw Erosion Control Blankets  
Adjust horizontal staple spacing for 16 ft wide Premier Straw Erosion Control Blankets

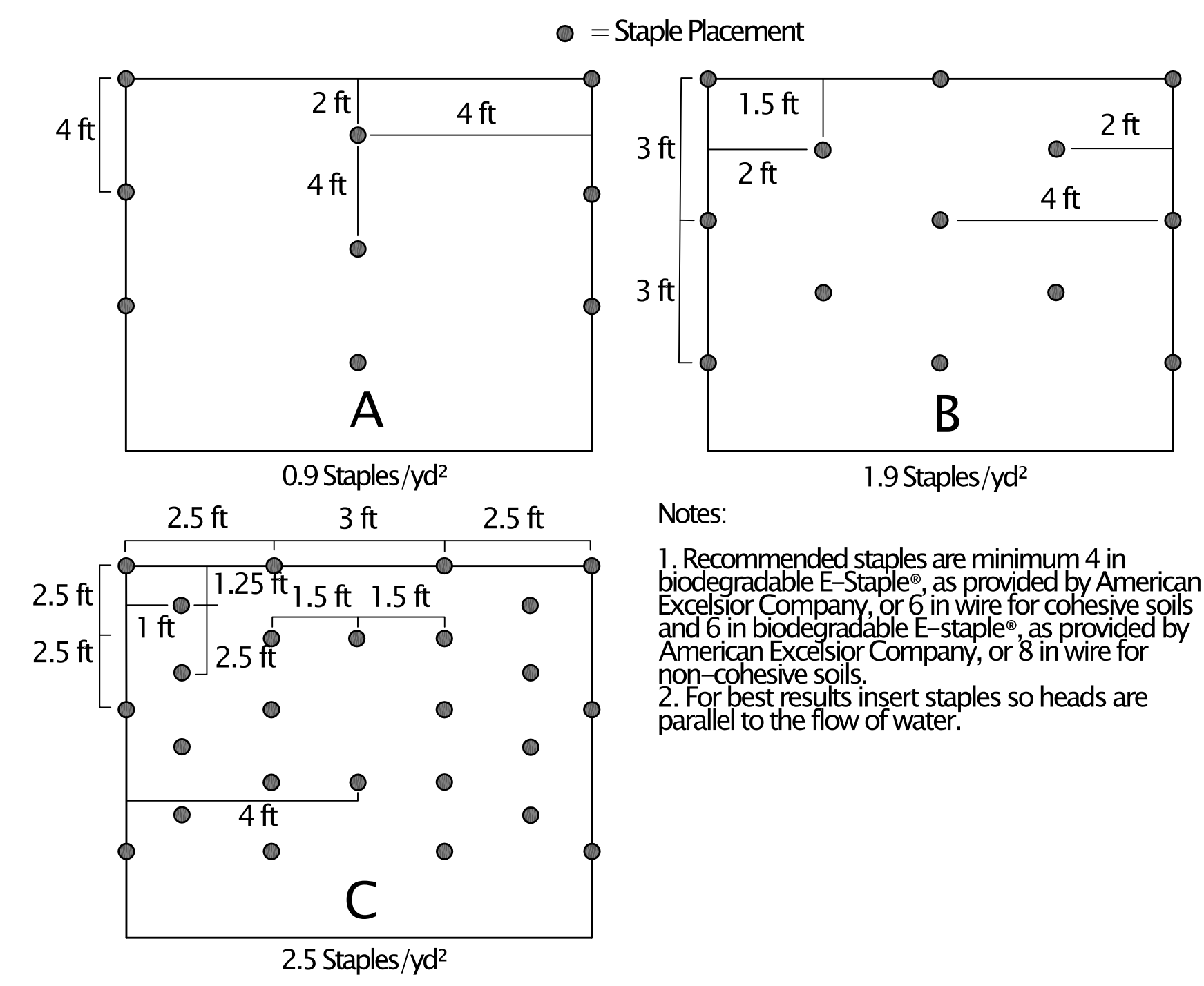
Application	Slope		
	≤ 4H:1V	≤ 3H:1V	≤ 2H:1V
Staple Pattern	A	B	C

V2B1 SIZING TABLE							
V2B1 MODEL #	D1 (ft.)	D2 (ft.)	S (ft.)	IMPERVIOUS AREA (acres)	INLET PIPE (in.)	TREATMENT FLOW (cfs)	PEAK FLOW (cfs)
3	4	5	4.1±	0.3-1.3	12	0-1	4
4	5	5	4.4±	1.3-2.0	15	1-2	6
6	6	5	4.7±	2.0-3.0	18	2-3	7
9	7	5	4.9±	3.0-4.0	21	3-5	9
11	8	6	5.1±	4.0-5.3	24	5-7	16
17	10	8	5.5±	5.3-8.3	30	7-10	25
25	12	8	5.9±	8.3-11.7	36	10-13	35

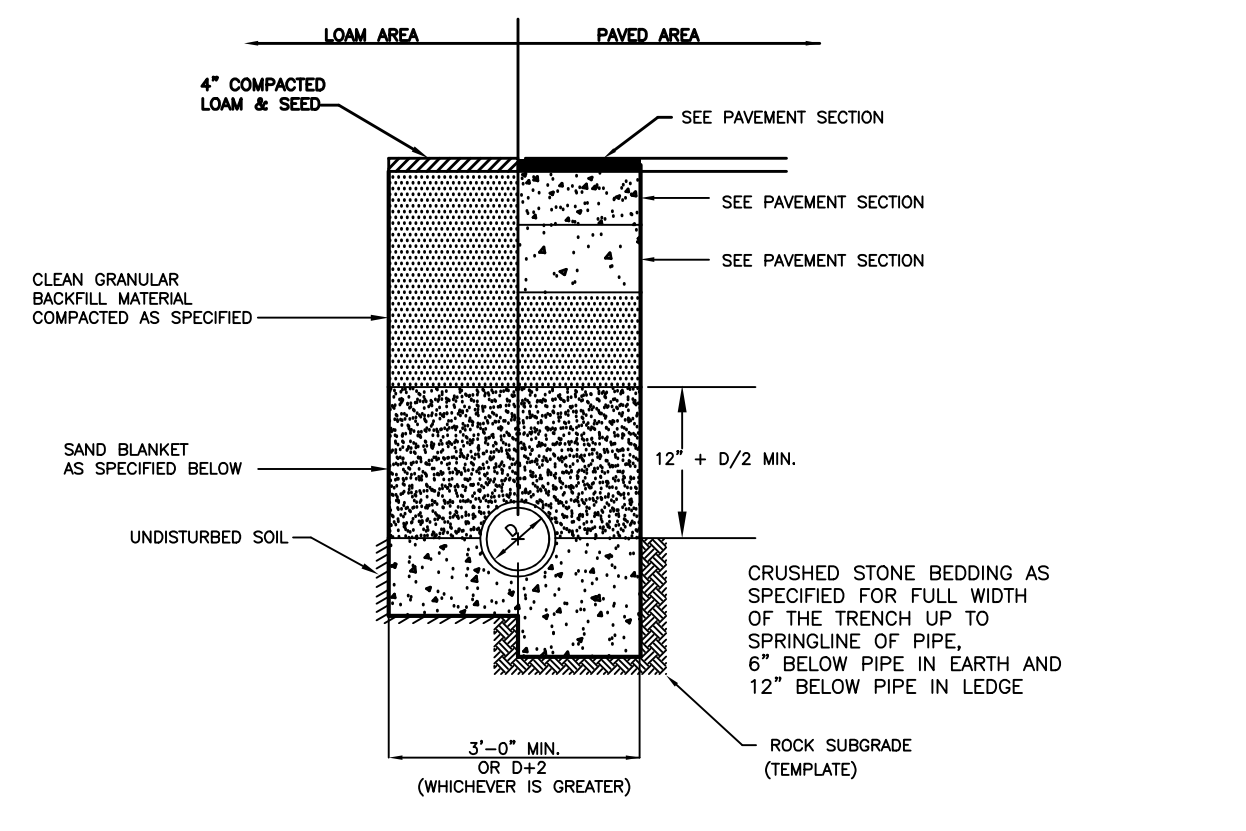
GENERAL NOTES:  
MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST ASTM C478 SPEC. FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.

DESIGN LOADING: AASHTO HS-20

- NOTES:
- 1) RAINFALL INTENSITY USED FOR TREATMENT FLOW = 0.80-1.0 IN/HR
  - 2) MAXIMUM OPERATING LOSS APPROXIMATELY 0.5 FT
- MANUFACTURING NOTES:
- 1) DESIGN OF INTERNAL PVC PIPING PROVIDED TO LICENSED MANUFACTURER BY ENVIRONMENT 21, LLC.
  - 2) LOCATION AND SIZE OF MANHOLE OPENINGS MAY BE ADJUSTED BY LICENSED MANUFACTURER.
  - 3) G.C. TO GROUT INLET AND OUTLET PIPES.
  - 4) CONNECT MANHOLES WITH BOOTED CONNECTIONS.



- Notes:
1. Recommended staples are minimum 4 in biodegradable E-Staple®, as provided by American Excelsior Company, or 6 in wire for cohesive soils and 6 in biodegradable E-staple®, as provided by American Excelsior Company, or 8 in wire for non-cohesive soils.
  2. For best results insert staples so heads are parallel to the flow of water.

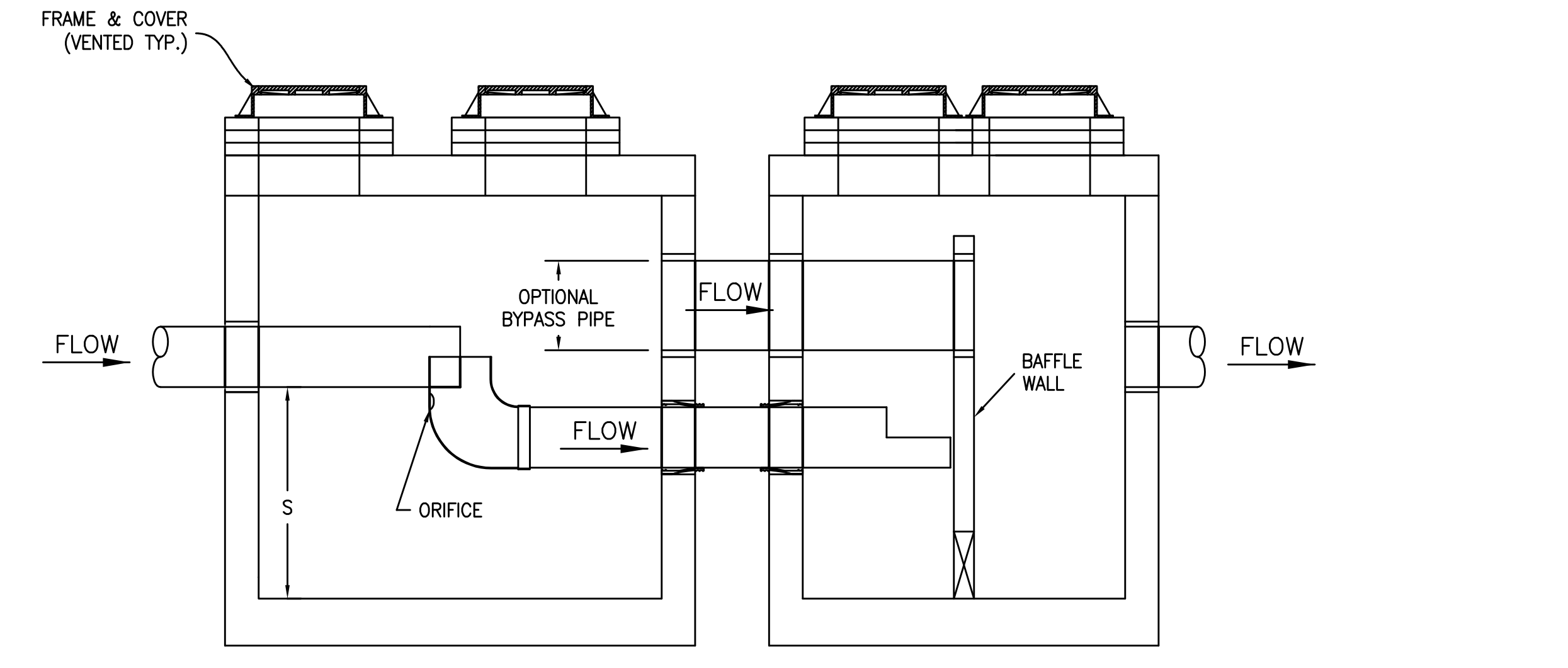
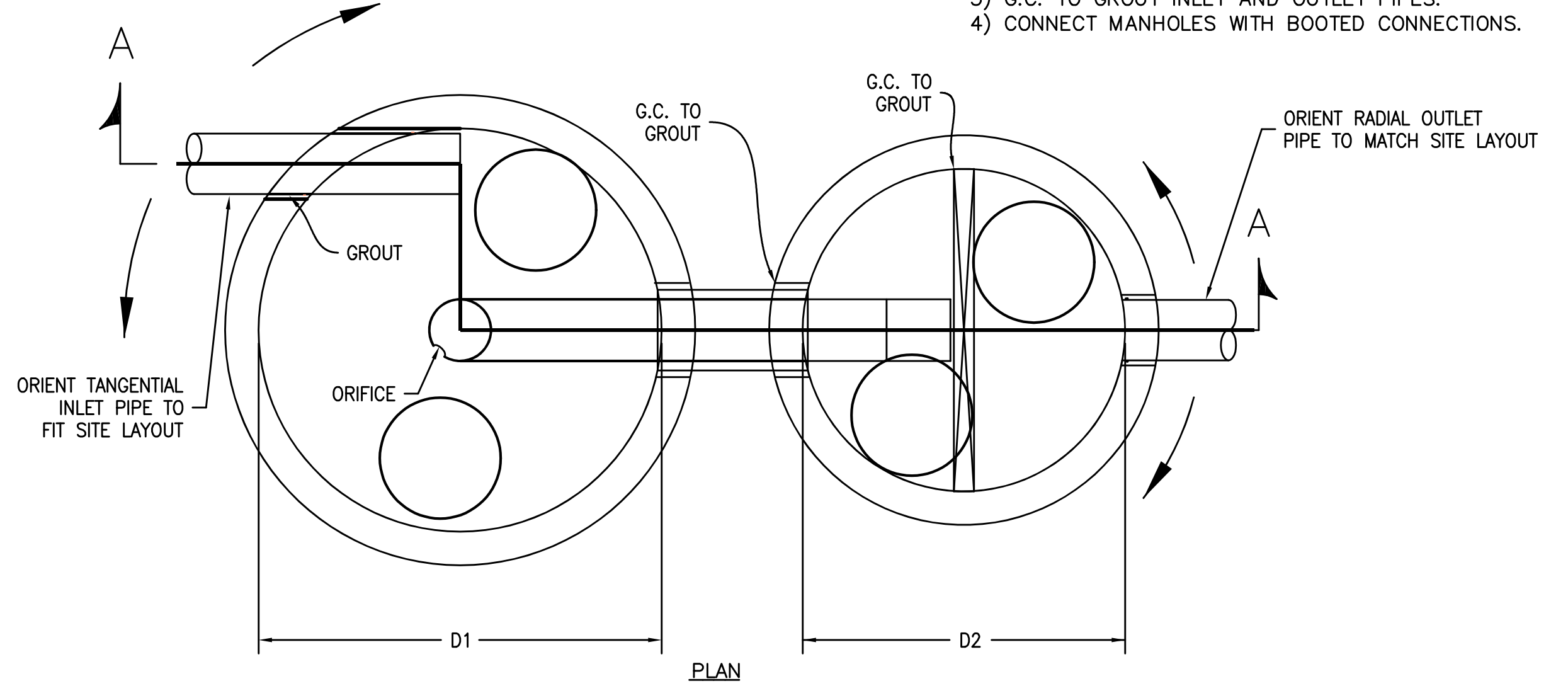


BACKFILL MATERIAL BELOW PAVED OR CONCRETE AREAS, BEDDING MATERIAL, AND SAND BLANKET SHALL BE COMPACTED TO NOT LESS THAN 95% OF AASHTO T 99, METHOD C. SUITABLE BACKFILL MATERIAL BELOW LOAM AREAS SHALL BE COMPACTED TO NOT LESS THAN 90% OF AASHTO T 99, METHOD C.

SAND BLANKET		CRUSHED STONE BEDDING *	
SIEVE SIZE	% FINER BY WEIGHT	SIEVE SIZE	% PASSING BY WEIGHT
1/2"	90 - 100	1"	100
200	0 - 15	3/4"	90 - 100
		3/8"	20 - 55
		# 4	0 - 10
		# 8	0 - 5

\* EQUIVALENT TO STANDARD STONE SIZE #67 - SECTION 703 OF NHDOT STANDARD SPECIFICATIONS

DRAINAGE TRENCH SECTION  
NOT TO SCALE



PROPRIETARY INFORMATION: PATENTS PENDING - ALL RIGHTS TO ENVIRONMENT 21, LLC.

SECTION A-A

ISSUED FOR: APPROVAL

ISSUE DATE: MARCH 6, 2020

FILE NAME: 1958-BARRINGTON SHORES

NO.	DATE	DESCRIPTION	BY
5	4/16/21	ENG./TOWN COMMENTS	TKF
4	3/25/21	ENG. REVIEW COMMENTS	TKF
3	1/25/21	REVISED PLAN	TKF
2	10/7/20	PB COMMENTS	TKF
1	6/2/20	PB COMMENTS	TKF

SCALE: 1" = 30'

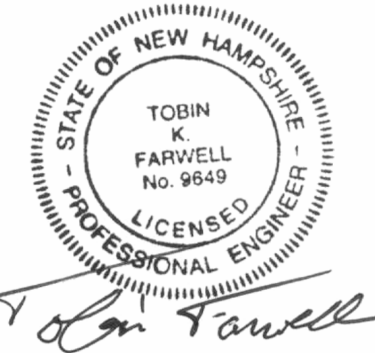
OWNER/APPLICANT:  
**BARRINGTON SHORES, LLC**  
240 REVERE STREET  
WINTHROP, MA 02152

PROJECT:  
**TAX MAP/LOT 121/28**  
7 BARRINGTON SHORE DRIVE  
BARRINGTON, NH

TITLE:  
**DETAILS**

SHEET NUMBER:  
**D-3**





ISSUED FOR: APPROVAL

ISSUE DATE: MARCH 6, 2020

FILE NAME: 1958-BARRINGTON SHORES

NO.	DATE	DESCRIPTION	BY
5	4/16/21	ENG./TOWN COMMENTS	TKF
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2	10/7/20	PB COMMENTS	TKF
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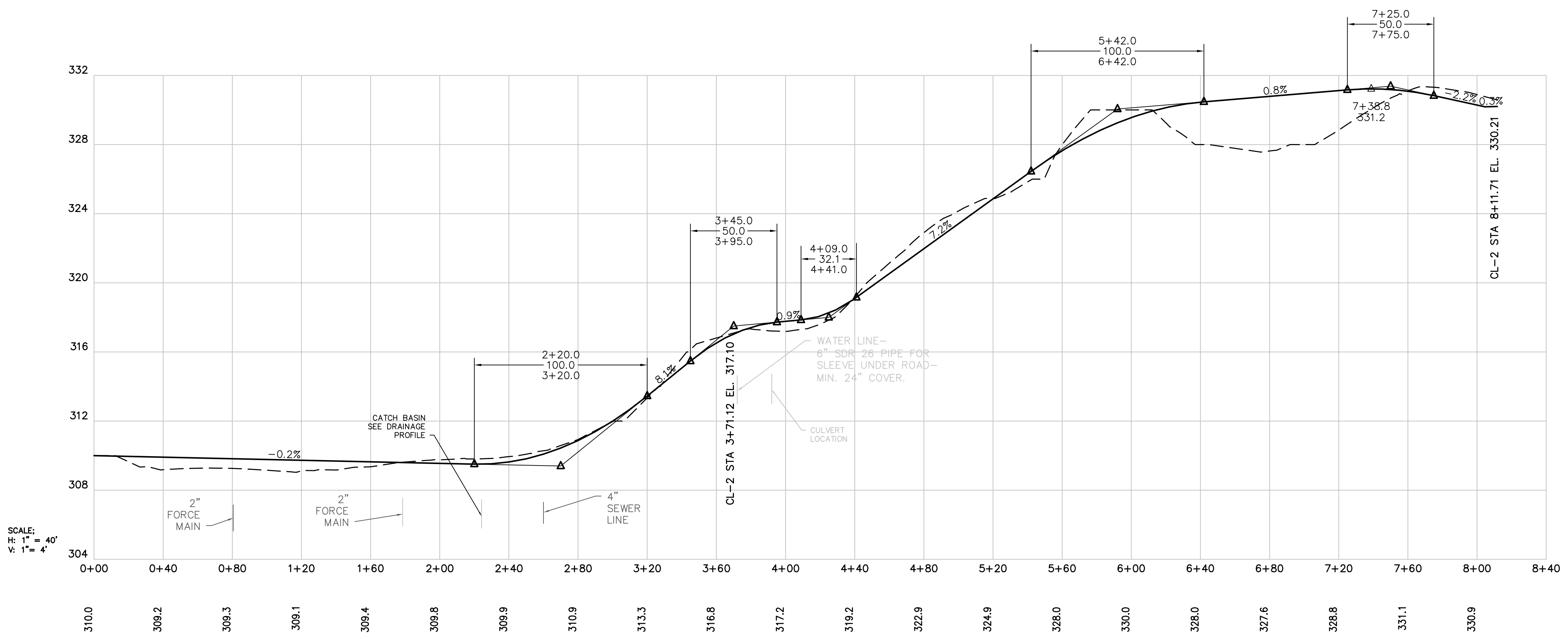
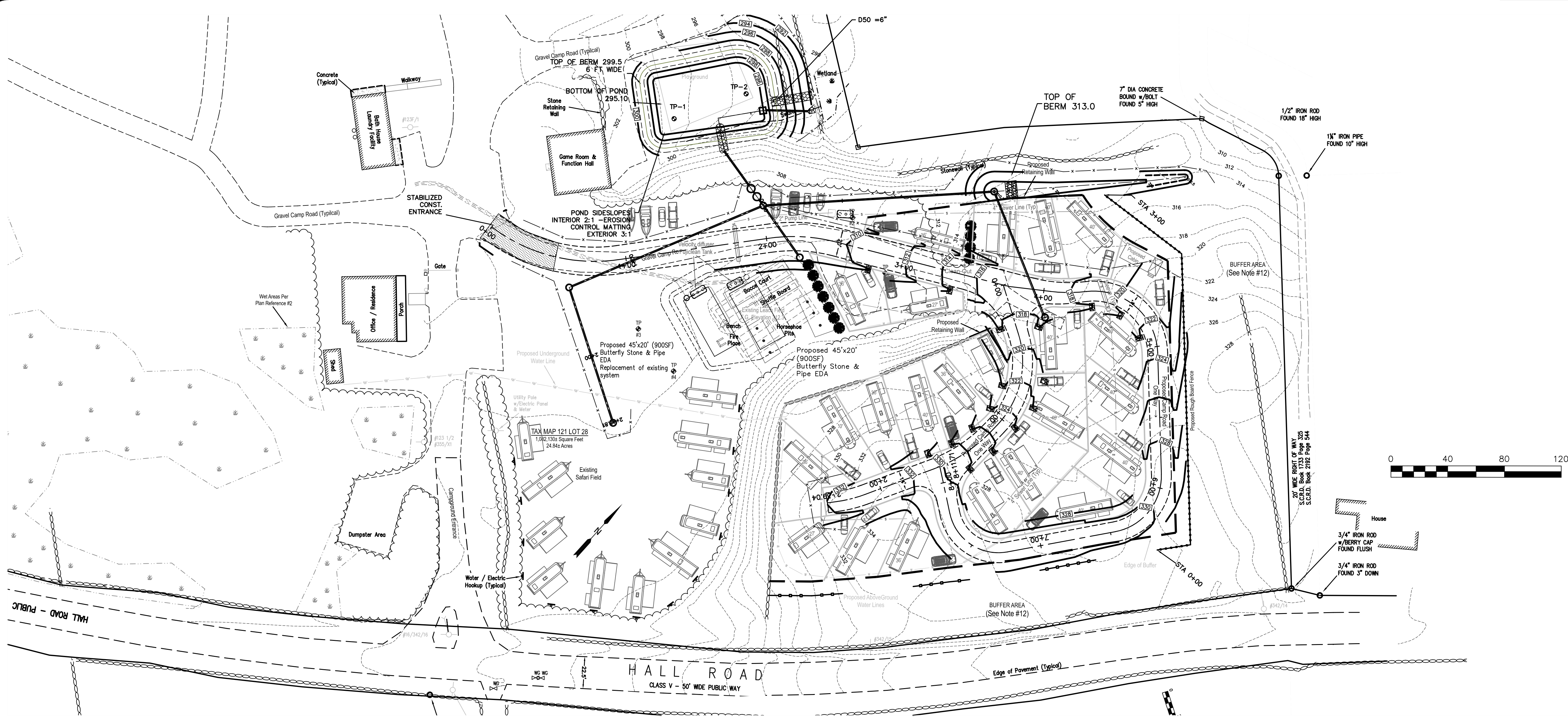
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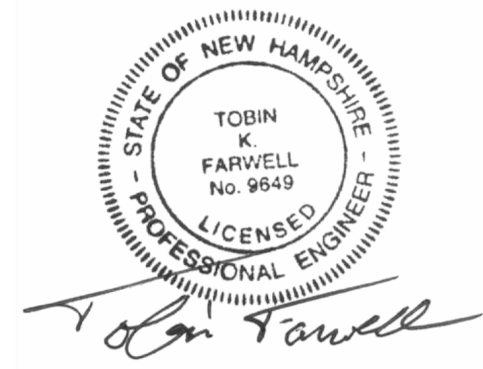
OWNER/APPLICANT:  
**BARRINGTON SHORES, LLC**  
240 REVERE STREET  
WINTHROP, MA 02152

PROJECT:  
**TAX MAP/LOT 121/28**  
7 BARRINGTON SHORE DRIVE  
BARRINGTON, NH

TITLE:  
**PLAN AND PROFILE**

SHEET NUMBER:  
**PP-1**





ISSUED FOR: APPROVAL

ISSUE DATE: MARCH 6, 2020

FILE NAME: 1958-BARRINGTON SHORES

NO.	DATE	DESCRIPTION	BY
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OWNER/APPLICANT:  
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240 REVERE STREET  
WINTHROP, MA 02152

PROJECT:  
**TAX MAP/LOT 121/28**  
7 BARRINGTON SHORE DRIVE  
BARRINGTON, NH

TITLE:  
**PLAN AND PROFILE**

SHEET NUMBER:  
**PP-2**

