

NEW ALLENSTOWN K-8 SCHOOL

177 RIVER ROAD, ALLENSTOWN, NH

Map 409 Lot 39
State of New Hampshire
172 Pembroke Road
Concord, NH 03301

Map 409 Lot 42
Hutchins Land
Development Company
24 Wentworth Terrace
Dover, NH 03820
Book 3623, Page 2945

Map 410 Lot 11
Dennis R. &
Sandra J. Swanson
31 Dodge Rd
Allenstown, NH 03275
Book 2497, Page 1005

Map 102 Lot 41
Fuso Realty LLC
1 Dodge Road
Allenstown, NH 03275
Book 3015, Page 976

Map 102 Lot 42-1
DTBBB Properties LLC
Po Box 482
Epsom, NH 03234
Book 3459, Page 203

Map 102 Lot 42
Michael Lamper
749 Robinson Rd
Pembroke, NH 03275
Book 3161, Page 850

Map 102 Lot 40
Ann A. Rehlander 2014 Trust
194 River Rd
Allenstown, NH 03275
Book 3462, page 2018

Map 410 Lot 6
Herbert R. & Pricilla L. Blake
16118 4th St. E.
Redington Beach, FL 33708
Book 2002, page 1448

Map 410 Lot 5
Megan & Kory Nerdahl
164 River Rd
Allenstown, NH 03275
Book 3747, Page 939

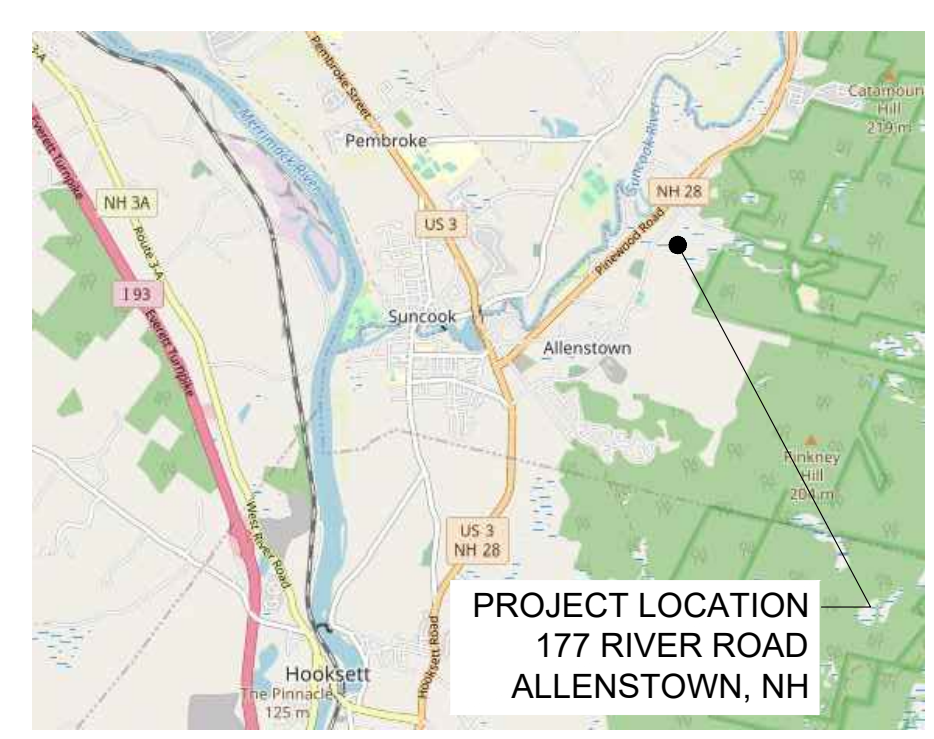
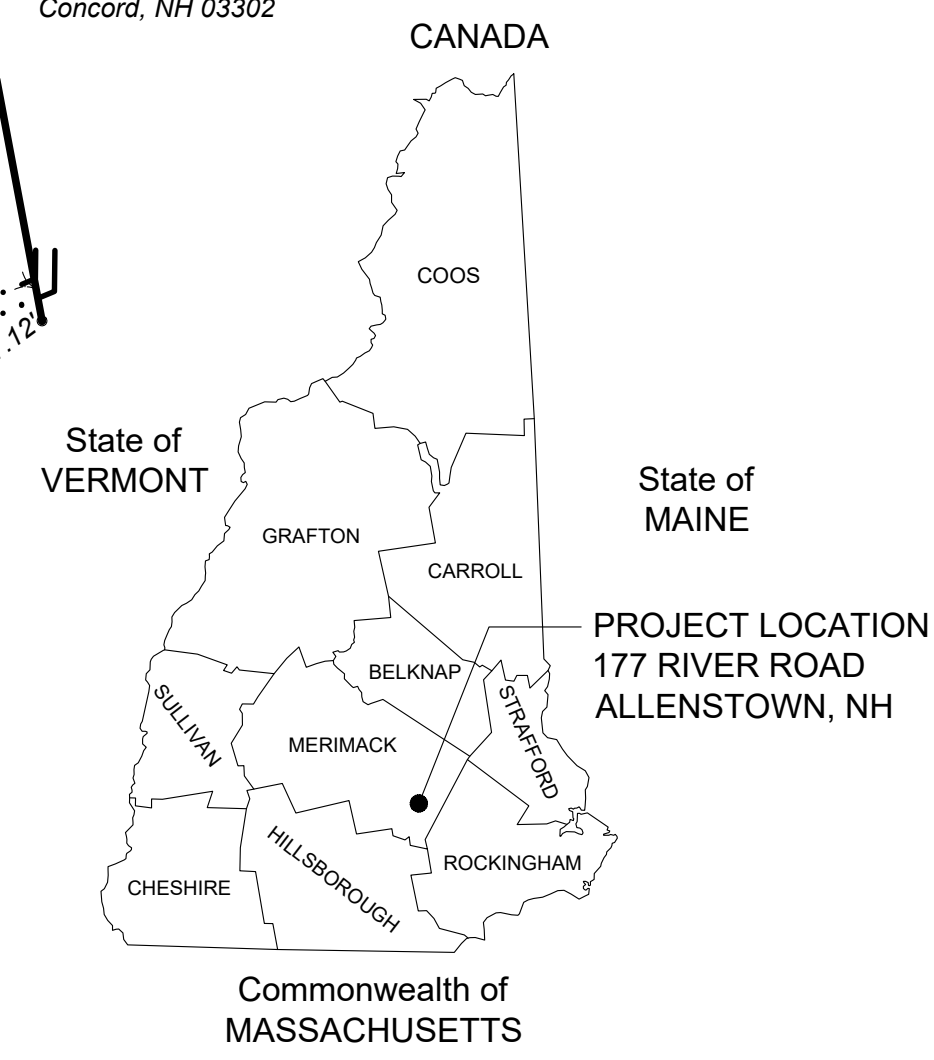
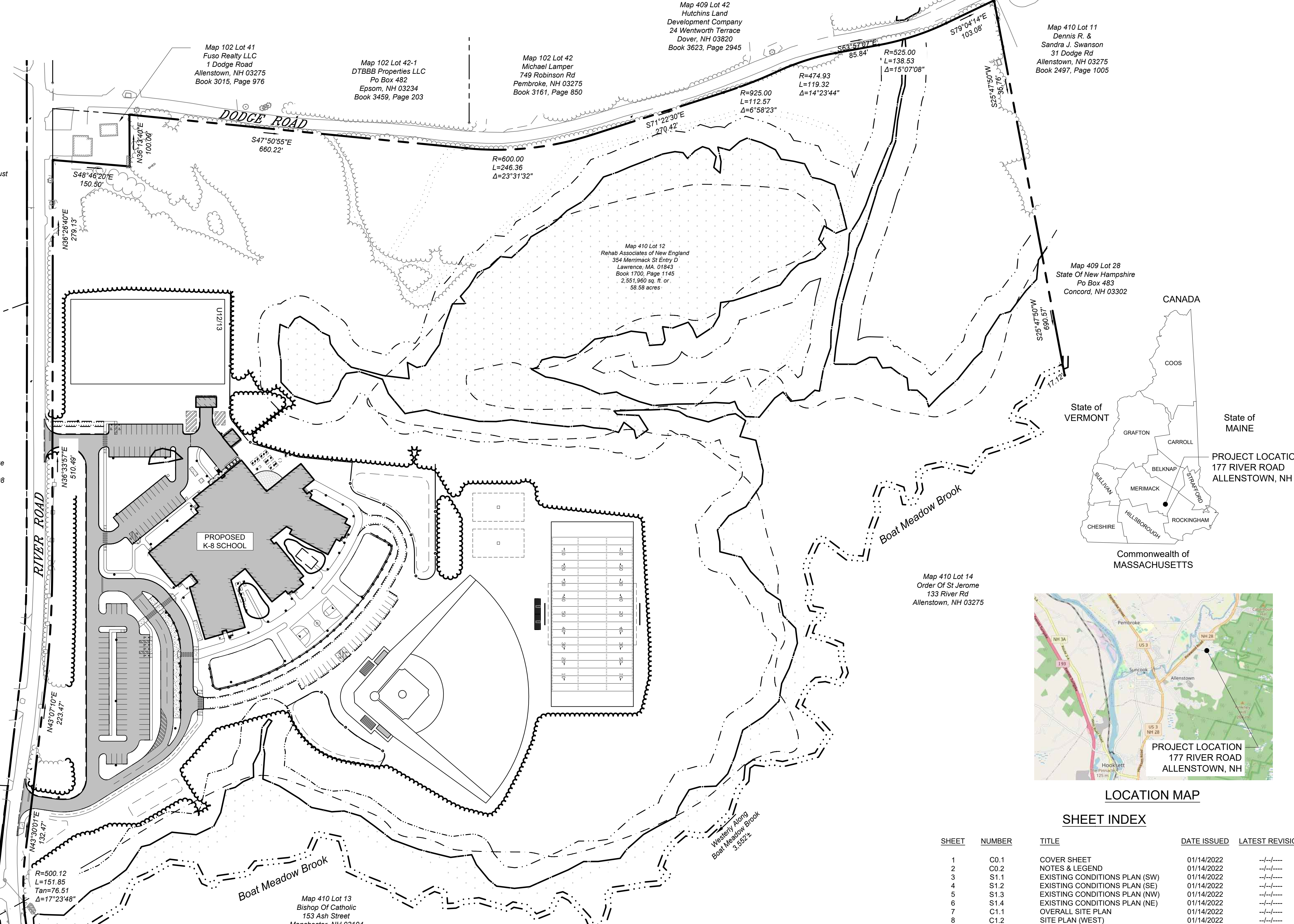
Map 410 Lot 4
Timothy J. Roderick
160 River Rd
Allenstown, NH 03275
Book 3612, Page 2182

Map 410 Lot 12
Rehab Associates of New England
354 Merrimack St Entry D
Lawrence, MA 01843
Book 1700, Page 1145
2,551,960 sq. ft. or
58.58 acres

Map 409 Lot 28
State Of New Hampshire
Po Box 483
Concord, NH 03302

Map 410 Lot 14
Order Of St Jerome
133 River Rd
Allenstown, NH 03275

Map 410 Lot 13
Bishop Of Catholic
153 Ash Street
Manchester, NH 03104



LOCATION MAP

SHEET INDEX

SHEET	NUMBER	TITLE	DATE ISSUED	LATEST REVISION
1	C0.1	COVER SHEET	01/14/2022	-/-/-/-
2	C0.2	NOTES & LEGEND	01/14/2022	-/-/-/-
3	S1.1	EXISTING CONDITIONS PLAN (SW)	01/14/2022	-/-/-/-
4	S1.2	EXISTING CONDITIONS PLAN (SE)	01/14/2022	-/-/-/-
5	S1.3	EXISTING CONDITIONS PLAN (NW)	01/14/2022	-/-/-/-
6	S1.4	EXISTING CONDITIONS PLAN (NE)	01/14/2022	-/-/-/-
7	C1.1	OVERALL SITE PLAN	01/14/2022	-/-/-/-
8	C1.2	SITE PLAN (WEST)	01/14/2022	-/-/-/-
9	C1.3	SITE PLAN (NORTH)	01/14/2022	-/-/-/-
10	C1.4	SITE PLAN (SOUTH)	01/14/2022	-/-/-/-
11	C1.5	OVERALL GRADING & DRAINAGE PLAN	01/14/2022	-/-/-/-
12	C1.6	GRADING & DRAINAGE PLAN (WEST)	01/14/2022	-/-/-/-
13	C1.7	GRADING & DRAINAGE PLAN (NORTH)	01/14/2022	-/-/-/-
14	C1.8	GRADING & DRAINAGE PLAN (SOUTH)	01/14/2022	-/-/-/-
15	C5.1	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
16	C5.2	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
17	C5.3	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
18	C5.4	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
19	C5.5	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
20	C5.6	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
21	C5.7	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
22	C5.8	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
23	C5.9	CONSTRUCTION DETAILS	01/14/2022	-/-/-/-
24	C5.10	EROSION CONTROL DETAILS	01/14/2022	-/-/-/-
25	C5.11	EROSION CONTROL DETAILS	01/14/2022	-/-/-/-
ES1.1		ELECTRICAL SITE PLAN		
ES1.2		PHOTOMETRIC SITE PLAN		

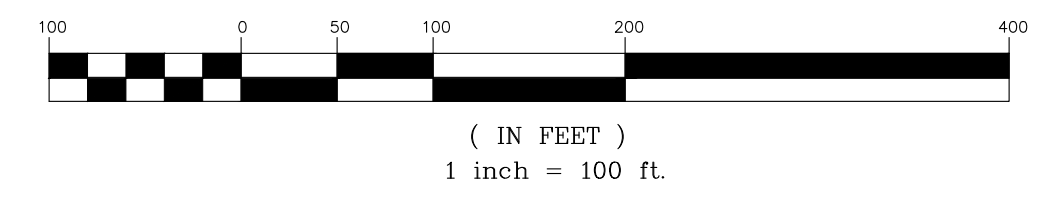
ABUTTERS LIST

- MAP 410 LOT 13: CATHOLIC BISHOP OF MANCHESTER, 153 ASH STREET, MANCHESTER, NH 03101
- MAP 410 LOT 14: ORDER OF ST. JEROME AEMILIAN, 133 RIVER ROAD, ALLENSTOWN, NH 03275
- MAP 409 LOT 28: STATE OF NEW HAMPSHIRE, PO BOX 483, CONCORD NH 03302
- MAP 410 LOT 11: DENNIS R. & SANDRA J. SWANSON, 31 DODGE ROAD, ALLENSTOWN, NH 03275
- MAP 409 LOT 39: STATE OF NEW HAMPSHIRE, 172 PEMBROKE ROAD, CONCORD NH 03301
- MAP 102 LOT 42, BOOK 3161 PAGE 850: MICHAEL LAMPER, 749 ROBINSON ROAD, PEMBROKE, NH 03275
- MAP 409 LOT 42, BOOK 3623 PAGE 2945: HUTCHINS LAND DEVELOPMENT COMPANY, 24 WENTWORTH TERRACE, DOVER, NH 03820
- MAP 102 LOT 42-1, BOOK 3459 PAGE 203: DTBBB PROPERTIES LLC, PO BOX 482, EPSOM, NH 03234
- MAP 102 LOT 41, BOOK 3015 PAGE 976: FUSO REALTY LLC, 1 DODGE ROAD, ALLENSTOWN, NH 03275
- MAP 102 LOT 40, BOOK 3462 PAGE 2018: ANN A. REHLANDER 2014 TRUST, 194 RIVER ROAD, ALLENSTOWN, NH 03275
- MAP 410 LOT 6, BOOK 2002 PAGE 1448: HERBERT R. & PRICILLA L. BLAKE, 16118 4TH ST. E., REDINGTON BEACH, FL 33708
- MAP 410 LOT 5, BOOK 3747 PAGE 939: MEGAN & KORY NERDAHL, 164 RIVER ROAD, ALLENSTOWN, NH 03275
- MAP 410 LOT 4, BOOK 3612 PAGE 2182: TIMOTHY J. RODERICK, 160 RIVER ROAD, ALLENSTOWN, NH 03275

PROJECT DESCRIPTION:

THE PURPOSE OF THE PROPOSED PROJECT IS TO CONSTRUCT A NEW PUBLIC K-8 SCHOOL FOR THE TOWN OF ALLENSTOWN WITH ASSOCIATED SITE IMPROVEMENTS FOR THE NEW SCHOOL FACILITIES.

GRAPHIC SCALE



2 CAPITAL PLAZA, SUITE 305
CONCORD, NH 03301
603-369-4190
www.wilcoxandbarton.com

ARCHITECT
H.L. TURNER GROUP INC.
27 LOCKE ROAD
CONCORD, NH 03301

LAND SURVEYOR
RICHARD D. BARTLETT & ASSOCIATES, LLC
214 NORTH STATE STREET
CONCORD, NH 03301

CONSTRUCTION MANAGER
MILESTONE ENGINEERING & CONSTRUCTION, INC.
PO BOX 2279
CONCORD, NH 03302

REVISION HISTORY

ISSUED FOR
DESIGN DEVELOPMENT

OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET
ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD
ALLENSTOWN, NH
MAP 410, LOT 12

DRAWING TITLE
COVER SHEET

SCALE: N.T.S. DATE: 01/14/2022

DRAFTED BY: CDM CHECKED BY: ERL PROJECT MGR: ERL PROJECT NO: THLT0001

SHEET NO. **C0.1**

Professional Engineer Seal for Erin R. Lambert, No. 11057, State of New Hampshire. License No. 11057.

01 OF 25



Wilcox & Barton INC.
CIVIL • ENVIRONMENTAL • GEOTECHNICAL

2 CAPITAL PLAZA, SUITE 305
CONCORD, NH 03301
603-369-4190
www.wilcoxandbarton.com

REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

ISSUED FOR

BIDDING

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNERS OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER

**ALLENSTOWN
SCHOOL DISTRICT**

**30 MAIN STREET
ALLENSTOWN, NH**

SITE

**NEW ALLENSTOWN
K-8 SCHOOL**

**RIVER ROAD
ALLENSTOWN, NH**


MAP 410, LOT 12

DRAWING TITLE

NOTES & LEGEND

SCALE	N.T.S.	DATE	01/14/2022
DRAFTED BY	CDM	PROJECT MGR	ERL
CHECKED BY	ERL	PROJECT NO.	THLT0001

SHEET NO.



C0.2

02 OF 25

EXISTING

PROPOSED

STANDARD ABBREVIATIONS

- BCC - BITUMINOUS CONCRETE CURB
- VGC - VERTICAL GRANITE CURB
- SGC - SLOPED GRANITE CURB
- CCC - CAST-IN-PLACE CONCRETE CURB
- PC - PRECAST CONCRETE CURB
- ICC - INTEGRAL CONCRETE CURB
- RC - REINFORCED CONCRETE CURB
- BCP - BITUMINOUS CONCRETE PAVEMENT
- GRV - GRAVEL DRIVE SURFACE
- PCS - PORTLAND CEMENT CONCRETE SIDEWALK
- BCCS - BITUMINOUS CONCRETE SIDEWALK
- CB - CATCH BASIN
- DMH - DRAINAGE MANHOLE
- SMH - SEWER MANHOLE

GENERAL NOTES

- 1 GENERAL:**
- 1.1 THESE DRAWINGS SHALL BE REVIEWED IN CONJUNCTION WITH THE ACCOMPANYING DESIGN REPORT ENTITLED "STORMWATER MANAGEMENT PLAN FOR ALLENSTOWN SCHOOL DISTRICT" PREPARED BY WILCOX & BARTON, INC.
 - 1.2 EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON A PLAN TITLED "EXISTING CONDITIONS PLAN," DATED SEPTEMBER, 2021, BY RICHARD D. BARTLETT & ASSOCIATES, INC.
 - 1.3 THESE DRAWINGS AND ACCOMPANYING TEXT HAVE BEEN PREPARED FOR ALLENSTOWN SCHOOL DISTRICT FOR REVIEW BY THE TOWN OF ALLENSTOWN PLANNING BOARD, CODE ENFORCEMENT, GENERAL SERVICES, POLICE, AND FIRE DEPARTMENTS.
 - 1.4 THE CONTRACTOR SHALL OBTAIN COVERAGE UNDER EPA NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FOR CONSTRUCTION ACTIVITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND IMPLEMENTING AN ENVIRONMENTAL PROTECTION AGENCY (EPA) STORM WATER POLLUTION PREVENTION PLAN PRIOR TO THE START OF CONSTRUCTION AND DURING CONSTRUCTION ON-SITE IN ACCORDANCE WITH THE EPA REGULATIONS UNDER THE CLEAN WATER ACT.
 - 1.5 THE PURPOSE OF THESE DRAWINGS IS TO SHOW A PROPOSED THE PURPOSE OF THE PROPOSED PROJECT IS TO CONSTRUCT A NEW PUBLIC K-8 SCHOOL FOR THE TOWN OF ALLENSTOWN WITH ASSOCIATED SITE IMPROVEMENTS FOR THE NEW SCHOOL FACILITIES.
 - 1.6 PROPOSED SITE WILL BE SERVICED BY ON-SITE SEWER AND GROUNDWATER WELL. THE BUILDING WILL HAVE SPRINKLER SERVICE FROM A SEPARATE CISTERN.
 - 1.7 A MANDATORY PRE-CONSTRUCTION MEETING WILL NEED TO BE HELD PRIOR TO ISSUANCE OF ANY PERMITS TO DISCUSS INSPECTION FEES, CONSTRUCTION SCHEDULE, ETC.
 - 1.8 REFER TO CONSTRUCTION DETAIL SHEETS FOR ALL APPLICABLE SITE DETAILS.
 - 1.9 CONTRACTOR WILL NOTIFY ENGINEERS IMMEDIATELY IF SITE CONDITIONS DIFFER FROM WHAT IS SHOWN ON PLAN.
 - 1.10 TEST PITS WERE PERFORMED BY SW COLE. REFER TO DRAINAGE REPORT FOR TEST PIT LOGS.
 - 1.11 ALL WORK PERFORMED ON BEHALF OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TOWN OF ALLENSTOWN'S CONSTRUCTION STANDARDS AND DETAILS.
 - 1.12 PROJECT DATUM: NH STATE PLANE COORDINATES NAD 83 (HORIZONTAL) NAVD 88 (VERTICAL)
 - 1.13 ALL WORK SHALL BE PERFORMED IN A FIRST CLASS MANNER, AND IN ACCORDANCE WITH STATE CODE (IBC 2015 WITH LATEST SUPPLEMENTS), AND LOCAL CODES AND ORDINANCES.
 - 1.14 ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL CONTACT DIG-SAFE (1-888-DIG-SAFE) AT LEAST 72 HOURS AND LESS THAN 30 DAYS PRIOR TO STARTING CONSTRUCTION AND SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD.
 - 1.15 CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF WALLS AND/OR SHORING OF EXCAVATIONS DURING CONSTRUCTION.
 - 1.16 THE CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS AND SUBMITTALS BEFORE SUBMISSION TO THE ENGINEER. THIS, PROVIDING ANY INFORMATION REQUIRED OF THE FABRICATOR SUCH AS FIELD DIMENSIONS, ELEVATIONS, ETC. OTHERWISE THE SHOP DRAWINGS OR SUBMITTALS WILL BE REJECTED UNTIL SUCH INFORMATION IS FURNISHED BY THE CONTRACTOR.
 - 1.17 GENERAL BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, ASTM D1557.
 - 1.18 UPON COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS TO THE TOWN PLANNING BOARD.
 - 1.19 A TEMPORARY TRAFFIC CONTROL PLAN (TTCP) SHALL BE REQUIRED FOR ALL WORK IN AND ADJACENT TO THE TOWN ROW THAT WILL REQUIRE LANE CLOSURES. THE TTCP SHALL BE SUBMITTED TO THE ESD FOR REVIEW AND APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO THE CONSTRUCTION ACTIVITIES THAT REQUIRE THE LANE CLOSURES(S).

2 MATERIAL SPECIFICATIONS:

- 2.1 MATERIALS NOT SPECIFIED HEREIN SHALL MEET OR EXCEED NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDT) STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 2.2 GENERAL FILL SHALL BE A COMPACTABLE SAND OR GRAVEL, REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 0-20 PERCENT PASSING THE NO. 100 SIEVE AND 40-100 PERCENT PASSING THE NO. 4 SIEVE.
- 2.3 BANK RUN GRAVEL SHALL BE FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 100 PERCENT PASSING A 3/4 INCH SIEVE, 20-75 PERCENT PASSING A NO. 4 SIEVE, 0-12 PERCENT PASSING A NO. 100 SIEVE AND 0-6 PERCENT PASSING A NO. 200 SIEVE.
- 2.4 CRUSHED BANK RUN GRAVEL SHALL BE FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 100 PERCENT PASSING A 2 INCH SIEVE, 90-100 PERCENT PASSING A 1 1/2 INCH SIEVE 30-60 PERCENT PASSING A NO. 4 SIEVE, 0-12 PERCENT PASSING A NO. 100 SIEVE AND 0-6 PERCENT PASSING A NO. 200 SIEVE.

EROSION CONTROL NOTES

IF EROSION CONTROL MATTING IS USED ON SITE IT SHALL BE WOVEN ORGANIC MATERIAL (E.G. COCO MATTING) THE USE OF WELDED PLASTIC OR BIODEGRADABLE PLASTIC NETTING IN EROSION CONTROL MATTINGS IS NOT PERMITTED.

CATCH BASINS: CARE SHOULD BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT ENTER CATCH BASINS DURING EXCAVATION FOR PIPE TRENCHES, DITCHES AND SWALES. THE CONTRACTOR SHOULD PLACE NON-WOVEN GEOTEXTILE FABRIC FOR INLET PROTECTION OVER INLETS IN AREAS OF SOIL DISTURBANCE, WHICH ARE SUBJECT TO SEDIMENT CONTAMINATION.

PLACE INLET PROTECTION DEVICES, IN CATCH BASINS AND MAINTAIN UNTIL ALL CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SURROUNDING AREAS ARE WELL VEGETATED.

ALL SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF INTO THEM.

SCHEDULE OF WORK:
THIS WORK IS ANTICIPATED TO BE PERFORMED IN SPRING 2022. CONSTRUCTION IS ANTICIPATED TO BE COMPLETED BY FALL 2023.

- ADEQUATE MEASURES SHOULD BE TAKEN TO MINIMIZE AIR BORNE DUST PARTICLES ARISING FROM SOIL DISTURBANCE AND CONSTRUCTION:
- DISTURBANCE OF AREAS SHOULD BE MINIMIZED AND NOT EXCEED 100,000 SQUARE FEET IN AREA AT ANY ONE TIME.
 - NO DISTURBED AREA SHOULD BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON.
 - PERMANENT EROSION CONTROL FEATURES SHOULD BE INCORPORATED INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME. AS SPECIFIED ON THE CONTRACT PLANS.
 - WITHIN 14 DAYS OF COMPLETING WORK IN AN AREA, AND PRIOR TO ANTICIPATED RAIN EVENTS, APPLY HAY/STRAW MULCH AND TACKIFIER ON ALL DISTURBED SOIL AREAS. APPLICATION RATES OF 2 TONS OF STRAW OR HAY PER ACRE SHOULD BE USED TO PREVENT EROSION UNTIL VEGETATIVE COVER CAN BE ESTABLISHED. ALTERNATIVELY, APPLY WOOD CHIPS OR GROUND BARK MULCH 2 TO 6 INCHES DEEP AT A RATE OF 10 TO 20 TONS PER ACRE.
 - WHEN EROSION IS LIKELY TO BE A PROBLEM, GRUBBING OPERATION SHOULD BE SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATION AND PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER.
 - AS WORK PROGRESSES, PATCH SEEDING AND MULCHING SHOULD BE DONE AS REQUIRED ON AREAS PREVIOUSLY TREATED TO MAINTAIN OR ESTABLISH PROTECTIVE COVER.
 - REMOVE ACCUMULATED SEDIMENTS AND DEBRIS WHEN SEDIMENT CONTAINMENT DEVICES REACH 33% CAPACITY.

EROSION CONTROL IMPLEMENTATION SCHEDULE:

- THE FOLLOWING GENERAL SCHEDULE IDENTIFIES THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT MEASURES THAT ARE TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION:
- PERFORM LIMITED GRUBBING, STRIPPING AND SITE GRADING ONLY AS NEEDED TO COMPLETE IMMEDIATE WORK GOALS.
 - BLOCK STORM WATER FLOW AS NECESSARY TO INSTALL ALL STORM WATER STRUCTURES IN THE DRY.
 - INSTALL PERMANENT STORM DRAIN SYSTEM.
 - INSTALL TEMPORARY SOIL STABILIZATION MEASURE INCLUDING SEED, MULCH, FERTILIZER, MATTING, ETC.
 - REDIRECT FLOWS INTO FINISHED STRUCTURES PRIOR TO FILL OPERATION.
 - PLACE HUMUS AND CONDUCT PERMANENT SEEDING AND MULCHING OF ALL DISTURBED GROUND.

TEMPORARY STABILIZATION:

EROSION CONTROL MEASURES SHALL BE IMPLEMENTED, AS WRITTEN HEREIN AND AS DEPICTED ON THE ACCOMPANYING PLAN. FROM THE COMMENCEMENT OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS COMPLETE.

TEMPORARY GRADING:

TEMPORARY GRADING DURING CONSTRUCTION SHOULD BE PERFORMED IN SUCH A MANNER TO FACILITATE MAXIMUM INFILTRATION OF STORMWATER AND MINIMIZE OR ELIMINATE STORMWATER RUNOFF FROM THE SITE.

MULCH: MULCHING WITH LOOSE HAY OR STRAW, AT A RATE OF 2 TONS PER ACRE, SHALL BE DONE IMMEDIATELY AFTER EACH AREA HAS BEEN FINAL GRADED. WHEN SEED FOR EROSION CONTROL IS SOWN PRIOR TO PLACING THE MULCH, THE MULCH SHOULD BE PLACED ON THE SEEDED AREAS WITHIN 48 HOURS AFTER SEEDING.

TACKIFIER: PLACEMENT OF SOIL TACKIFIER HAS PROVEN TO BE AN EFFECTIVE METHOD OF PREVENTING SOIL AND ADHERING MULCH IN PLACE. THE PLACEMENT OF A SOIL TACKIFIER SHOULD BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND SHOULD BE REAPPLIED AS NECESSARY TO CONTROL AIR BORN DUST AND SOIL. MULCH LOSS UNTIL PERMANENT VEGETATION IS ESTABLISHED.

ROAD CLEANING: THE CONTRACTOR SHALL SWEEP ROADS DAILY, OR AS NEEDED TO MAINTAIN CLEAN PAVED SURFACES AT ALL CONSTRUCTION ACCESS/EGRESS POINTS.

DUST CONTROL: THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED TO PREVENT AIRBORNE DUST PARTICLES FROM LEAVING THE SITE. DUST CONTROL MEASURES SHALL CONSIST OF USE OF A WATER TRUCK EQUIPPED WITH A SPRAY-BAR THAT DISPENSATES THE WATER EVENLY OVER THE SURFACE.

PERMANENT STABILIZATION: GRASS, TREES, SHRUBS AND MULCHED PLANTING BEDS WILL BE CONSTRUCTED AND MAINTAINED IN LOCATIONS AS SHOWN ON THE DRAWINGS TO STABILIZE AREAS NOT WITHIN THE PARKING LOT/BUILDING FOOTPRINT. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL FOR ONE YEAR AFTER COMPLETION.

AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:

1. BASE COARSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
2. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
3. A MINIMUM OF 3' OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED;
4. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

ALL ROADWAYS/PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

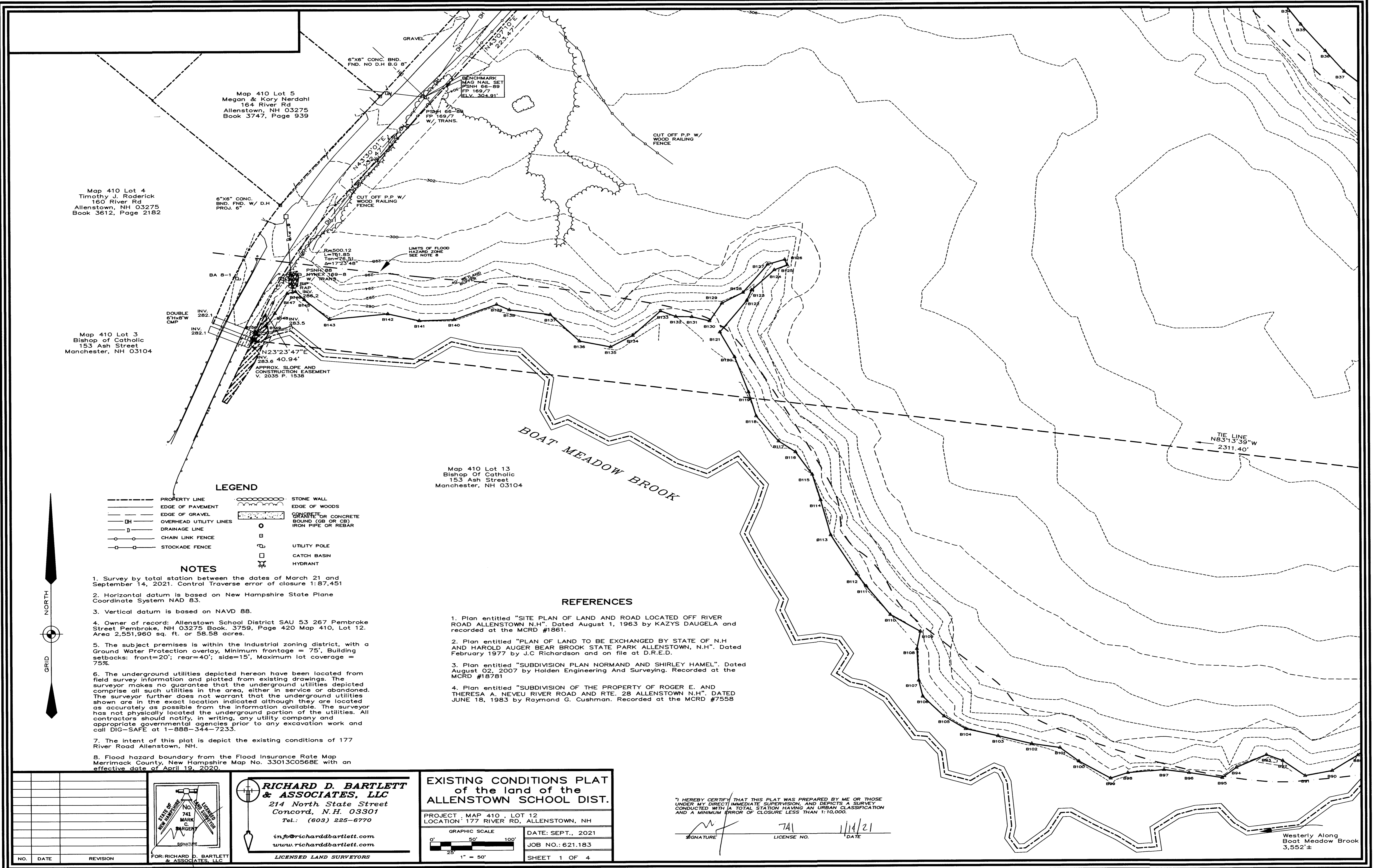
EXCAVATION DEWATERING:
SHOULD EXCAVATION DEWATERING BE REQUIRED, THE CONTRACTOR MUST INSURE THAT ANY EXCAVATION DEWATERING DISCHARGES ARE NOT CONTAMINATED. NOTE: THE WATER IS CONSIDERED UNCONTAMINATED IF THERE IS NO GROUNDWATER CONTAMINATION WITHIN 1,000 FEET OF THE DISCHARGE.

THE CONTRACTOR MUST TREAT ANY UNCONTAMINATED EXCAVATION DEWATERING AS NECESSARY TO REMOVE SUSPENDED SOLIDS AND TURBIDITY DURING CONSTRUCTION. THE DISCHARGES MUST BE SAMPLED AT A LOCATION PRIOR TO MIXING WITH STORM WATER OR STREAM FLOW AT LEAST ONCE PER WEEK DURING WEEKS WHEN DISCHARGES OCCUR. THE SAMPLES MUST BE ANALYZED FOR TOTAL SUSPENDED SOLIDS (TSS) AND MUST MEET MONTHLY AVERAGE AND MAXIMUM DAILY TSS LIMITATIONS OF 50 MILLIGRAMS PER LITER (MGL), RESPECTIVELY.

STORMWATER POLLUTION PREVENTION PLAN:
THE PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE USEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION PERMIT, WHICH INCLUDES A WRITTEN STORM WATER POLLUTION PREVENTION (SWPPP) PLAN FOR CONSTRUCTION. THE SWPPP PLAN SHALL OUTLINE DETAILED SPECIFICATIONS FOR IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR COMPLIANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN. SHALL BE RESPONSIBLE FOR AMENDING THE SWPPP ACCORDINGLY, AND SHALL BE RESPONSIBLE FOR ANY PENALTIES RESULTING FROM LACK OF COMPLIANCE.

SPECIFICATIONS FOR TEMPORARY AND PERMANENT SEEDING:
GRASS SEED MIXES SHALL CONSIST OF THE MIXTURES AS DETAILED IN THE FOLLOWING TABLES, WITH 98% PURITY:

EROSION CONTROL SEED		
SEED	BY % MASS	% GERMINATION (MIN)
WINTER RYE 80 (MIN)	80 (MIN)	85
RED FESCUE (CREEPING)	4 (MIN)	80
PERENNIAL GRASS	3 (MIN)	90
RED CLOVER	3 (MIN)	90
OTHER CROP GRASS	0.5 (MAX)	
NOXIOUS WEED SEED	0.5 (MAX)	
INERT MATTER	1.0 (MAX)	
PERMANENT SEED MIX		
SEED	BY % MASS	% GERMINATION (MIN)
RED FESCUE (CREEPING)	90	85
KENTUCKY BLUE	25	85
PERENNIAL RYE GRASS	10	90
RED TOP	10	85
LANDINO CLOVER	5	85



Map 410 Lot 5
Megan & Kory Nerdahl
164 River Rd
Allenstown, NH 03275
Book 3747, Page 939

Map 410 Lot 4
Timothy J. Roderick
160 River Rd
Allenstown, NH 03275
Book 3612, Page 2182

Map 410 Lot 3
Bishop of Catholic
153 Ash Street
Manchester, NH 03104

Map 410 Lot 13
Bishop of Catholic
153 Ash Street
Manchester, NH 03104

LEGEND

- PROPERTY LINE
- EDGE OF PAVEMENT
- DH OVERHEAD UTILITY LINES
- DRAINAGE LINE
- CHAIN LINK FENCE
- STOCKADE FENCE
- STONE WALL
- EDGE OF WOODS
- GRAVEL OR CONCRETE BOUND (CB OR CB)
- IRON PIPE OR REBAR
- UTILITY POLE
- CATCH BASIN
- ⊗ HYDRANT

NOTES

- Survey by total station between the dates of March 21 and September 14, 2021. Control Traverse error of closure 1:87,451
- Horizontal datum is based on New Hampshire State Plane Coordinate System NAD 83.
- Vertical datum is based on NAVD 88.
- Owner of record: Allenstown School District SAU 53 267 Pembroke Street Pembroke, NH 03275 Book. 3759, Page 420 Map 410, Lot 12. Area 2,551,960 sq. ft. or 58.58 acres.
- The subject premises is within the Industrial zoning district, with a Ground Water Protection overlay. Minimum frontage = 75'. Building setbacks: front=20'; rear=40'; side=15'. Maximum lot coverage = 75%.
- The underground utilities depicted hereon have been located from field survey information and plotted from existing drawings. The surveyor makes no guarantee that the underground utilities depicted comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although they are located as accurately as possible from the information available. The surveyor has not physically located the underground portion of the utilities. All contractors should notify, in writing, any utility company and appropriate governmental agencies prior to any excavation work and call DIG-SAFE at 1-888-344-7233.
- The intent of this plat is depict the existing conditions of 177 River Road Allenstown, NH.
- Flood hazard boundary from the Flood Insurance Rate Map Merrimack County, New Hampshire Map No. 33013C0568E with an effective date of April 19, 2020.

REFERENCES

- Plan entitled "SITE PLAN OF LAND AND ROAD LOCATED OFF RIVER ROAD ALLENSTOWN, N.H.", Dated August 1, 1963 by KAZYS DAUGELA and recorded at the MCRD #1861.
- Plan entitled "PLAN OF LAND TO BE EXCHANGED BY STATE OF N.H AND HAROLD AUGER BEAR BROOK STATE PARK ALLENSTOWN, N.H.", Dated February 1977 by J.C. Richardson and on file at D.R.E.D.
- Plan entitled "SUBDIVISION PLAN NORMAND AND SHIRLEY HAMEL", Dated August 02, 2007 by Holden Engineering And Surveying. Recorded at the MCRD #18781
- Plan entitled "SUBDIVISION OF THE PROPERTY OF ROGER E. AND THERESA A. NEVEU RIVER ROAD AND RTE. 28 ALLENSTOWN, N.H.", DATED JUNE 18, 1983 by Raymond G. Cushman. Recorded at the MCRD #7558

EXISTING CONDITIONS PLAT of the land of the ALLENSTOWN SCHOOL DIST.

PROJECT: MAP 410, LOT 12
LOCATION: 177 RIVER RD., ALLENSTOWN, NH

GRAPHIC SCALE
0' 50' 100'
1" = 50'

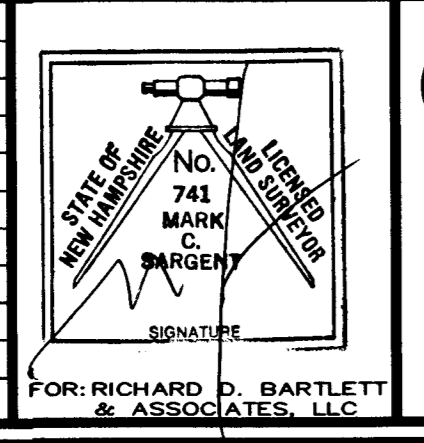
DATE: SEPT., 2021
JOB NO.: 621.183
SHEET 1 OF 4

"I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR THOSE UNDER MY DIRECT IMMEDIATE SUPERVISION, AND DEPICTS A SURVEY CONDUCTED WITH A TOTAL STATION HAVING AN URBAN CLASSIFICATION AND A MINIMUM ERROR OF CLOSURE LESS THAN 1:10,000."

SIGNATURE: [Signature] LICENSE NO. 741 DATE: 1/14/21

Westerly Along Boat Meadow Brook 3,552±

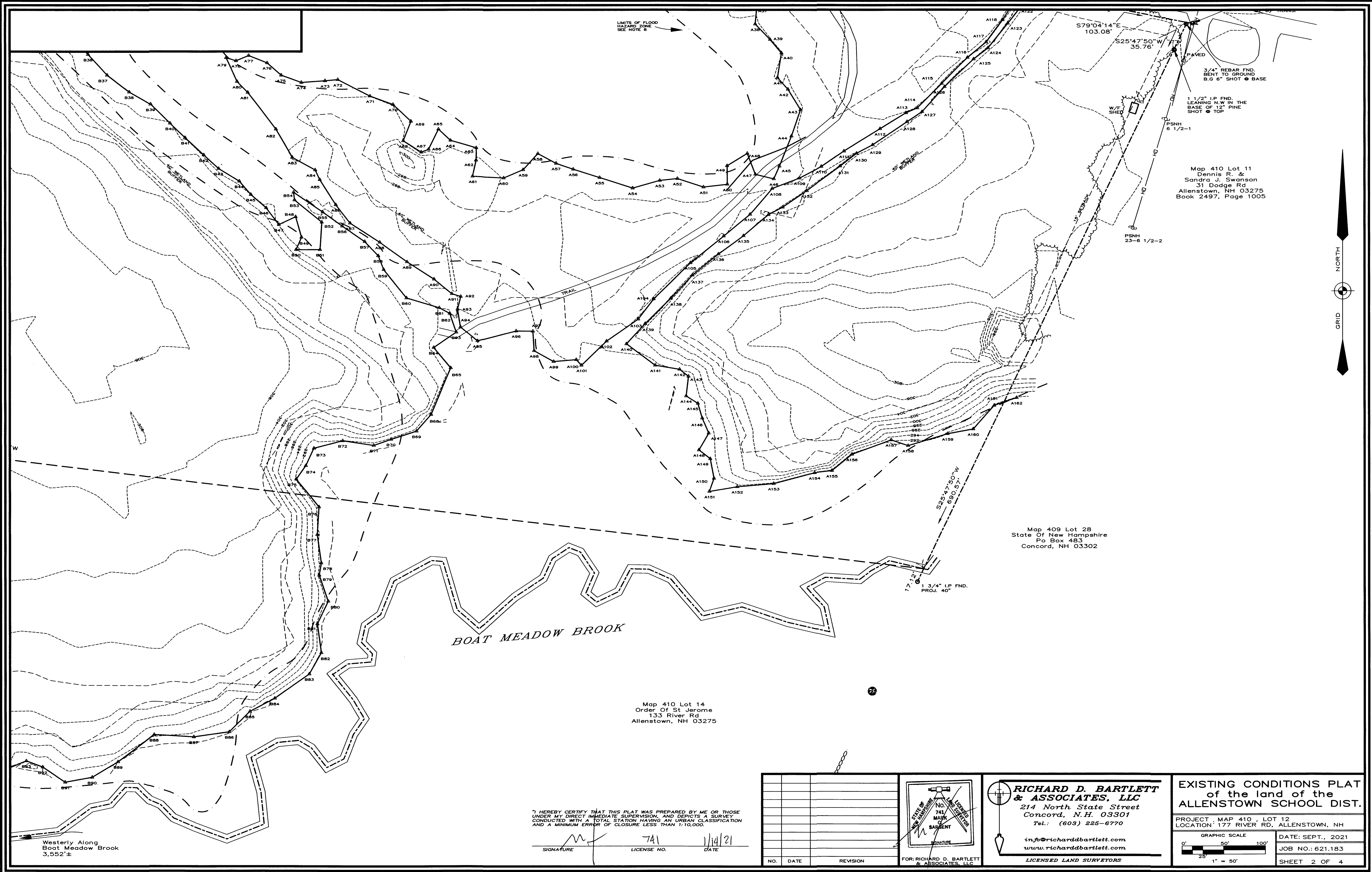
NO.	DATE	REVISION



RICHARD D. BARTLETT & ASSOCIATES, LLC
214 North State Street
Concord, N.H. 03301
Tel.: (603) 225-6770
info@richarddbartlett.com
www.richarddbartlett.com
LICENSED LAND SURVEYORS

MATCH TO SHEET 4

MATCH TO SHEET 1



LIMITS OF FLOOD HAZARD ZONE SEE NOTE 8


Map 410 Lot 11
Dennis R. &
Sandra J. Swanson
31 Dodge Rd
Allenstown, NH 03275
Book 2497, Page 1005

Map 409 Lot 28
State Of New Hampshire
Po Box 483
Concord, NH 03302

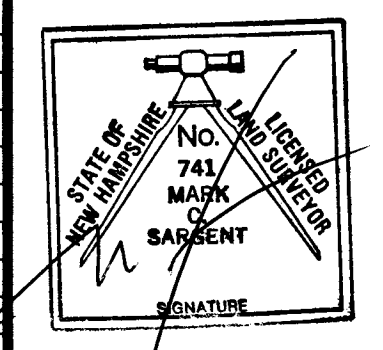
Map 410 Lot 14
Order Of St Jerome
133 River Rd
Allenstown, NH 03275

Westerly Along
Boat Meadow Brook
3,552 ±

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR THOSE UNDER MY DIRECT IMMEDIATE SUPERVISION, AND DEPICTS A SURVEY CONDUCTED WITH A TOTAL STATION HAVING AN URBAN CLASSIFICATION AND A MINIMUM ERROR OF CLOSURE LESS THAN 1:10,000.

SIGNATURE  LICENSE NO. 741 DATE 1/14/21

NO.	DATE	REVISION



FOR: RICHARD D. BARTLETT & ASSOCIATES, LLC

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Concord, N.H. 03301
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www.richarddbartlett.com
LICENSED LAND SURVEYORS

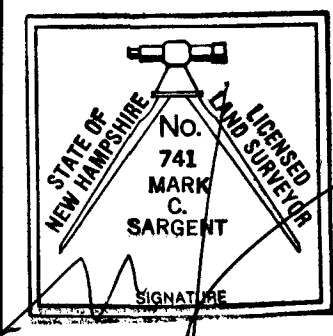
EXISTING CONDITIONS PLAT
of the land of the
ALLENSTOWN SCHOOL DIST.

PROJECT: MAP 410, LOT 12
LOCATION: 177 RIVER RD., ALLENSTOWN, NH

GRAPHIC SCALE
0' 50' 100'
1" = 50'

DATE: SEPT., 2021
JOB NO.: 621.183
SHEET 2 OF 4

NO.	DATE	REVISION

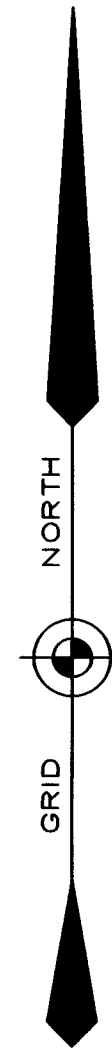


FOR: RICHARD D. BARTLETT & ASSOCIATES, LLC

RICHARD D. BARTLETT & ASSOCIATES, LLC
 214 North State Street
 Concord, N.H. 03301
 Tel.: (603) 225-6770
 info@richardbartlett.com
 www.richardbartlett.com
 LICENSED LAND SURVEYORS

EXISTING CONDITIONS PLAT
 of the land of the
ALLENSTOWN SCHOOL DIST.

PROJECT: MAP 410, LOT 12
 LOCATION: 177 RIVER RD, ALLENSTOWN, NH
 GRAPHIC SCALE: 1" = 50'
 DATE: SEPT., 2021
 JOB NO.: 621.183
 SHEET 3 OF 4



Map 102 Lot 40
 Ann A. Rehlander 2014 Trust
 194 River Rd
 Allenstown, NH 03275
 Book 3462, page 2018

Map 102 Lot 41
 Fuso Realty LLC
 1 Dodge Road
 Allenstown, NH 03275
 Book 3015, Page 976

BENCHMARK
 MAG NAIL SET
 PSNH 66-92
 NYNEX 4
 ELEV. 305.71'

Map 410 Lot 6
 Herbert R. & Priscilla L. Blake
 16118 4th St. E.
 Redington Beach, FL 33708
 Book 2002, page 1448

WETLAND NOTES

Jurisdictional Wetlands were delineated by Stoney Ridge Environmental LLC in August, 2021 utilizing the following standards:

- 1) *Field Indicators of Hydric Soils in the United States*, Version 7.0, 2010. L.M. Vasilas, G.W. Hurt, and C.V. Noble (eds.), United States Department of Agriculture, Natural Resources Conservation Service, in cooperation with the National Technical Committee for Hydric Soils.
- 2) *Field Indicators for Identifying Hydric Soils in New England*, Version 3, April 2004. NEIWPCC Wetlands Workgroup. Wilmington, MA 01887.
- 3) *North American Digital Flora: National Wetland Plant List, version 2.1.0* (<http://wetland.plants.usace.army.mil>), U.S. Army Corps of Engineers, Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory, Hanover, NH, and BONAP, Chapen Hill.
- 4) *National List of Plant Species That Occur in Wetlands: 1988 New Hampshire*, United States Department of the Interior, Fish and Wildlife Service, NERC-88/18.29.
- 5) *Corps of Engineers Wetlands Delineation Manual*, January 1987. Wetlands Research Program Technical Report Y-87-1.
- 6) *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region*, October 2009, U.S. Army Corps of Engineers, Environmental Laboratory ERDC/EL TR-09-19.
- 7) *Classification of Wetlands and Deepwater Habitats of the United States*, December 1979, L. Cowardin, V. Carter, F. Golet, and E. LaRoe. US Department of the Interior, Fish and Wildlife Service, FWS/OBS-79/31

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR THOSE UNDER MY DIRECT IMMEDIATE SUPERVISION, AND DEPICTS A SURVEY CONDUCTED WITH TOTAL STATION HAVING AN URBAN CLASSIFICATION AND A MINIMUM ERROR OF CLOSURE LESS THAN 1:10,000.

741 2/14/21
 SIGNATURE _____ DATE _____
 LICENSE NO. _____

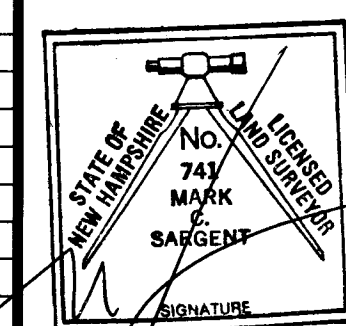
MATCH TO SHEET 4

MATCH TO SHEET 1

I, HEREBY CERTIFY THAT THIS PLAT WAS PREPARED BY ME OR THOSE UNDER MY DIRECT IMMEDIATE SUPERVISION, AND DEPICTS A SURVEY CONDUCTED WITH A TOTAL STATION HAVING AN URBAN CLASSIFICATION AND A MINIMUM ERROR OF CLOSURE LESS THAN 1:10,000.

SIGNATURE: *[Signature]* LICENSE NO. 7A1 DATE 1/14/21

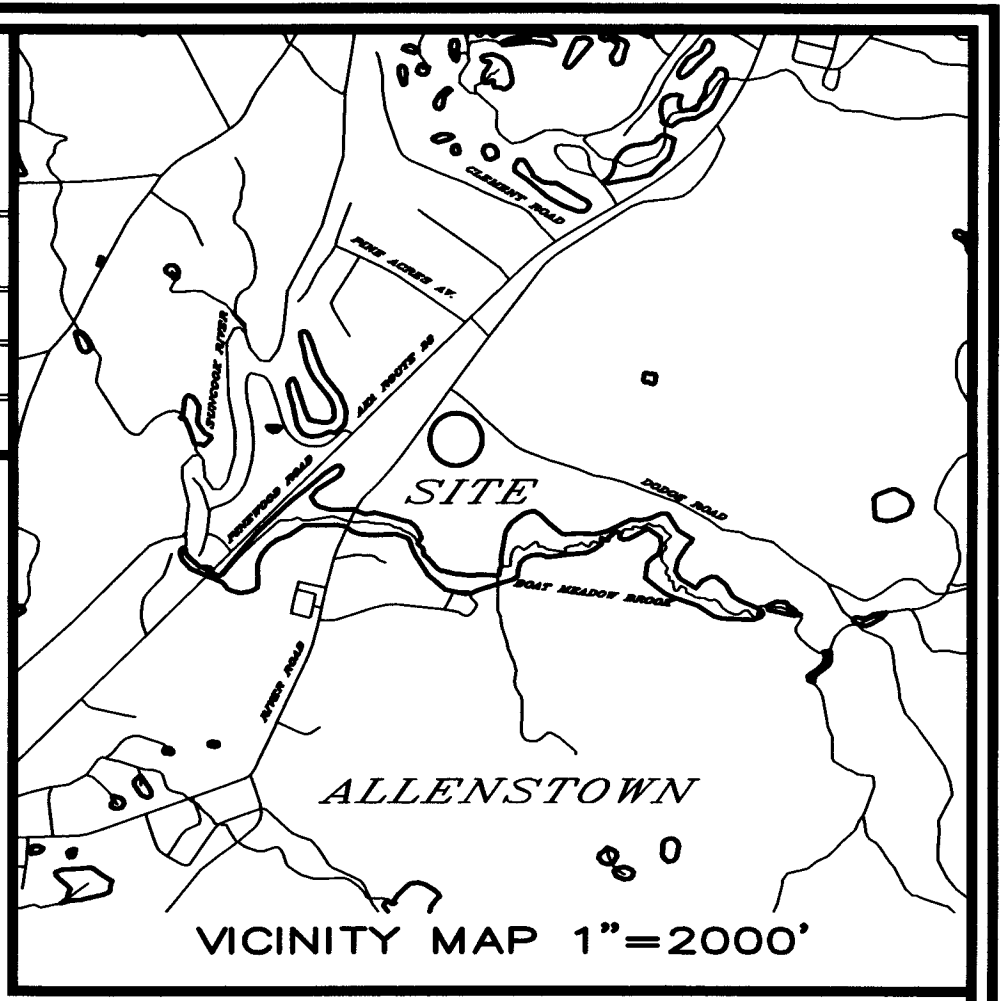
NO.	DATE	REVISION



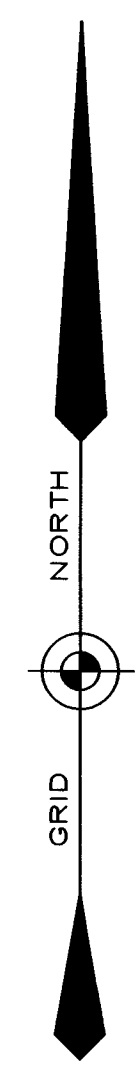
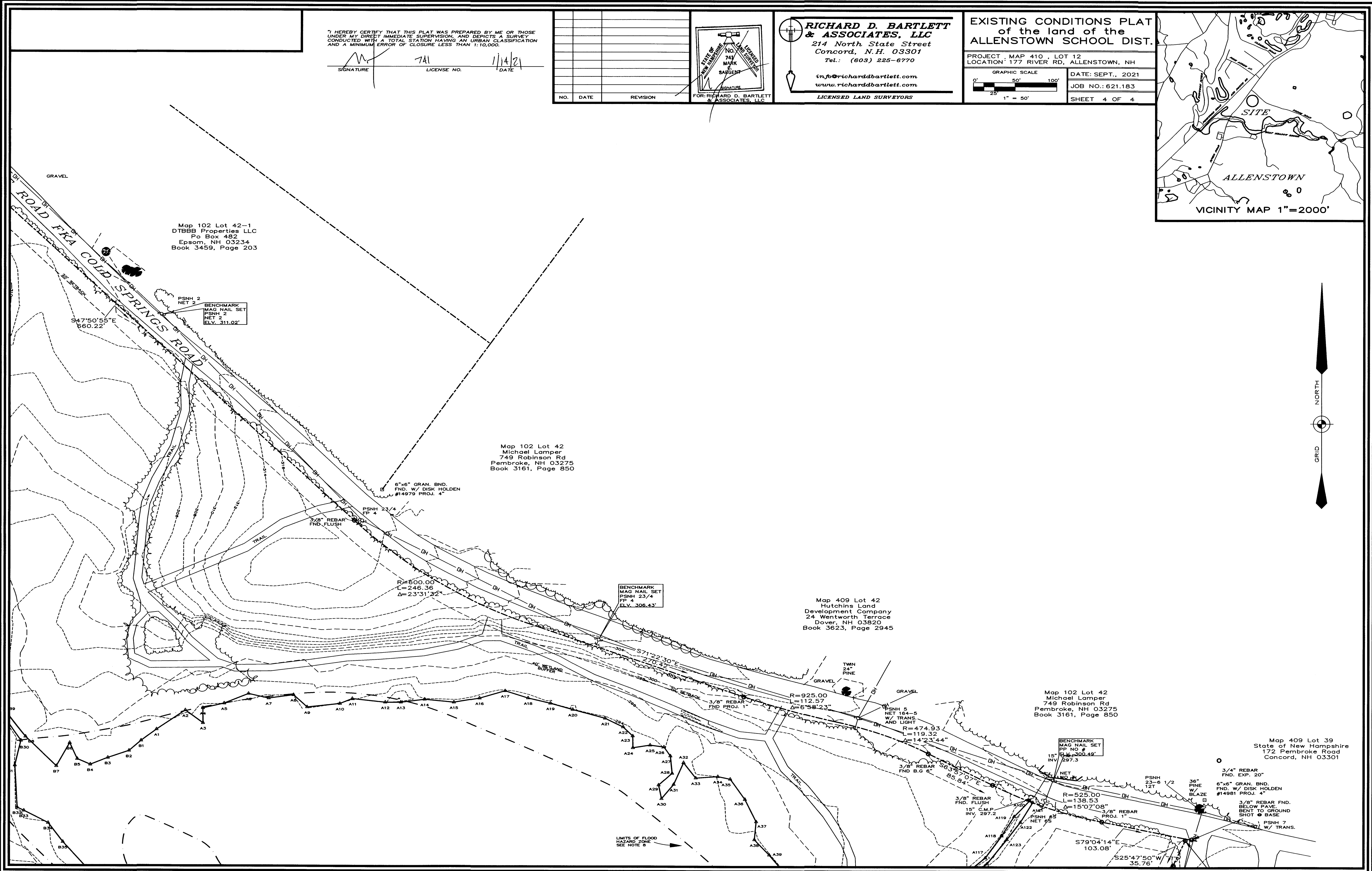
RICHARD D. BARTLETT & ASSOCIATES, LLC
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 Tel.: (603) 225-6770
 info@richarddbartlett.com
 www.richarddbartlett.com
 LICENSED LAND SURVEYORS

EXISTING CONDITIONS PLAT
 of the land of the
ALLENSTOWN SCHOOL DIST.

PROJECT: MAP 410, LOT 12
 LOCATION: 177 RIVER RD, ALLENSTOWN, NH
 GRAPHIC SCALE: 0' 50' 100'
 DATE: SEPT., 2021
 JOB NO.: 621.183
 SHEET 4 OF 4



MATCH TO SHEET 3



MATCH TO SHEET 2

REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

ISSUED FOR
BIDDING

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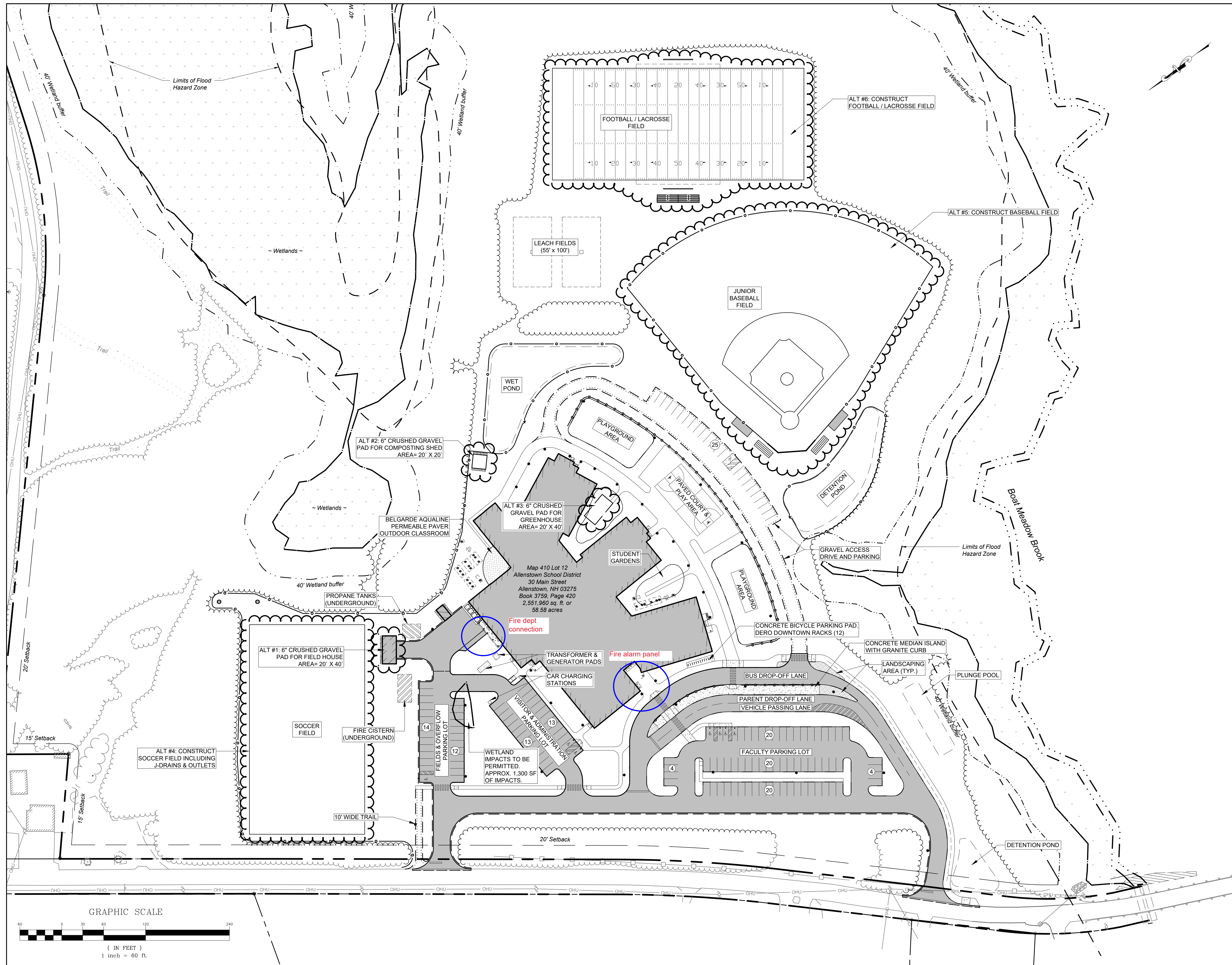
OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD ALLENSTOWN, NH
MAP 410, LOT 12

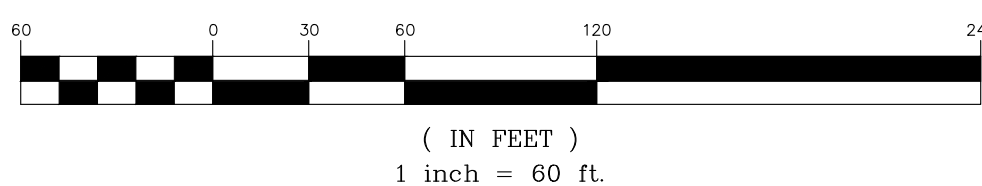
DRAWING TITLE
OVERALL SITE PLAN

SCALE 1" = 60'	DATE 01/14/2022
DRAFTED BY CDM	CHECKED BY ERL
PROJECT MGR ERL	PROJECT NO. THLT0001

	<p>C1.1</p>



GRAPHIC SCALE



REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

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OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET
ALLENSTOWN, NH

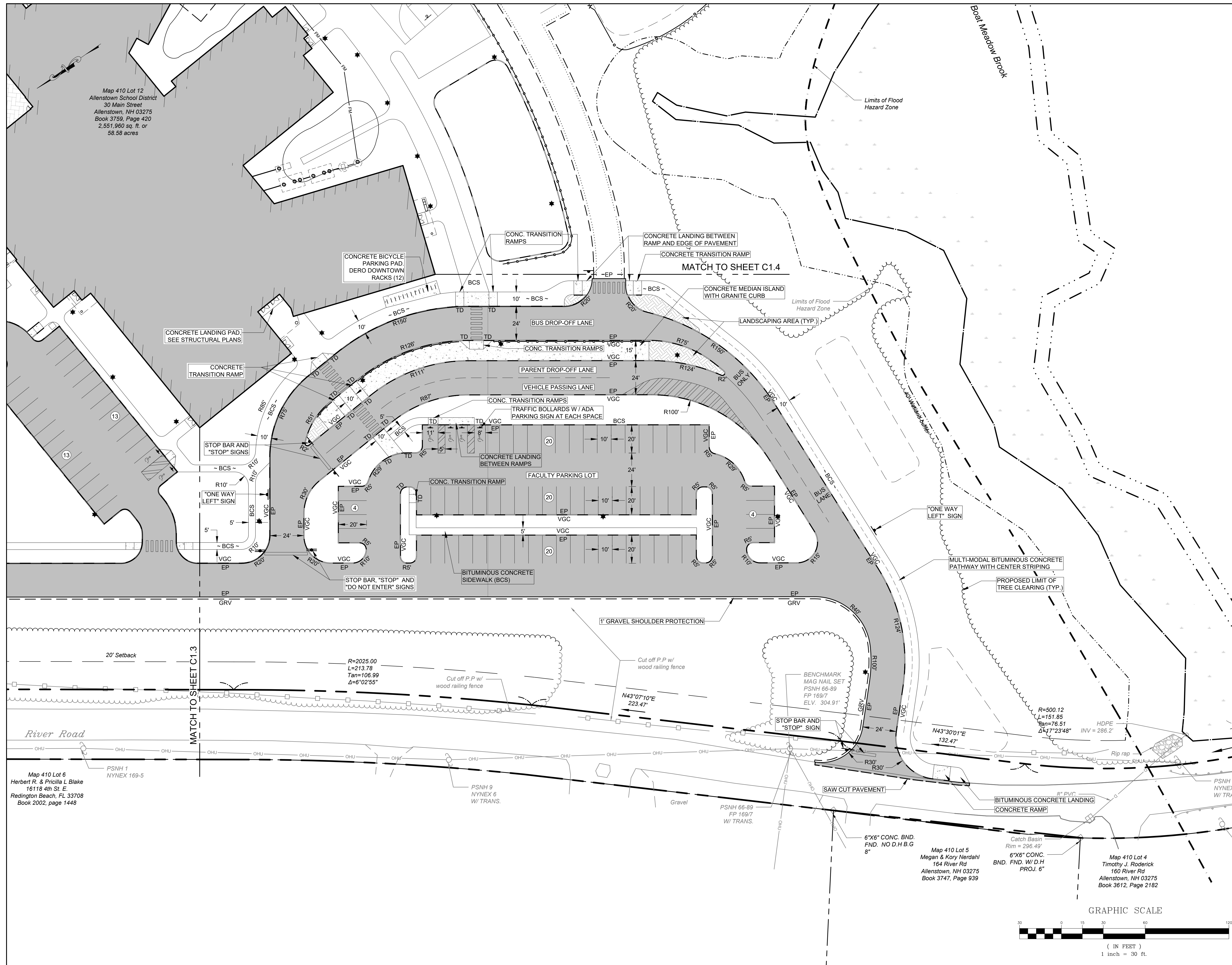
SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD
ALLENSTOWN, NH
MAP 410, LOT 12

DRAWING TITLE
SITE PLAN (WEST)

SCALE	DATE		
1" = 30'	01/14/2022		
DRAFTED BY	CHECKED BY	PROJECT MGR	PROJECT NO.
CDM	ERL	ERL	THLT0001

SHEET NO.
C1.2
08 OF 25

ENGINEER: ERIN R. LAMBERT
NH P.E. #11057



Map 410 Lot 12
Allenstown School District
30 Main Street
Allenstown, NH 03275
Book 3759, Page 420
2,551,960 sq. ft. or
58.58 acres

Map 410 Lot 6
Herbert R. & Priscilla L. Blake
16118 4th St. E.
Redington Beach, FL 33708
Book 2002, page 1448

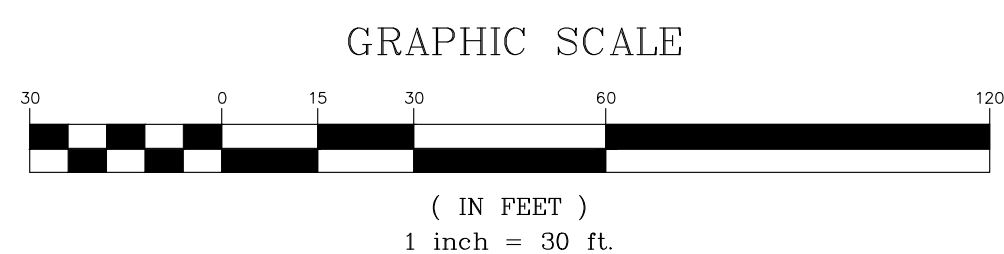
PSNH 9
NYNEX 6
W/ TRANS.

PSNH 66-89
FP 169/7
W/ TRANS.

Map 410 Lot 5
Megan & Kory Nerdahl
164 River Rd
Allenstown, NH 03275
Book 3747, Page 939

Catch Basin
Rim = 296.49'
6"X6" CONC.
BND. FND. W/ D.H
PROJ. 6"

Map 410 Lot 4
Timothy J. Roderick
160 River Rd
Allenstown, NH 03275
Book 3612, Page 2182



REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

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BIDDING

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OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET
ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD
ALLENSTOWN, NH
MAP 410, LOT 12

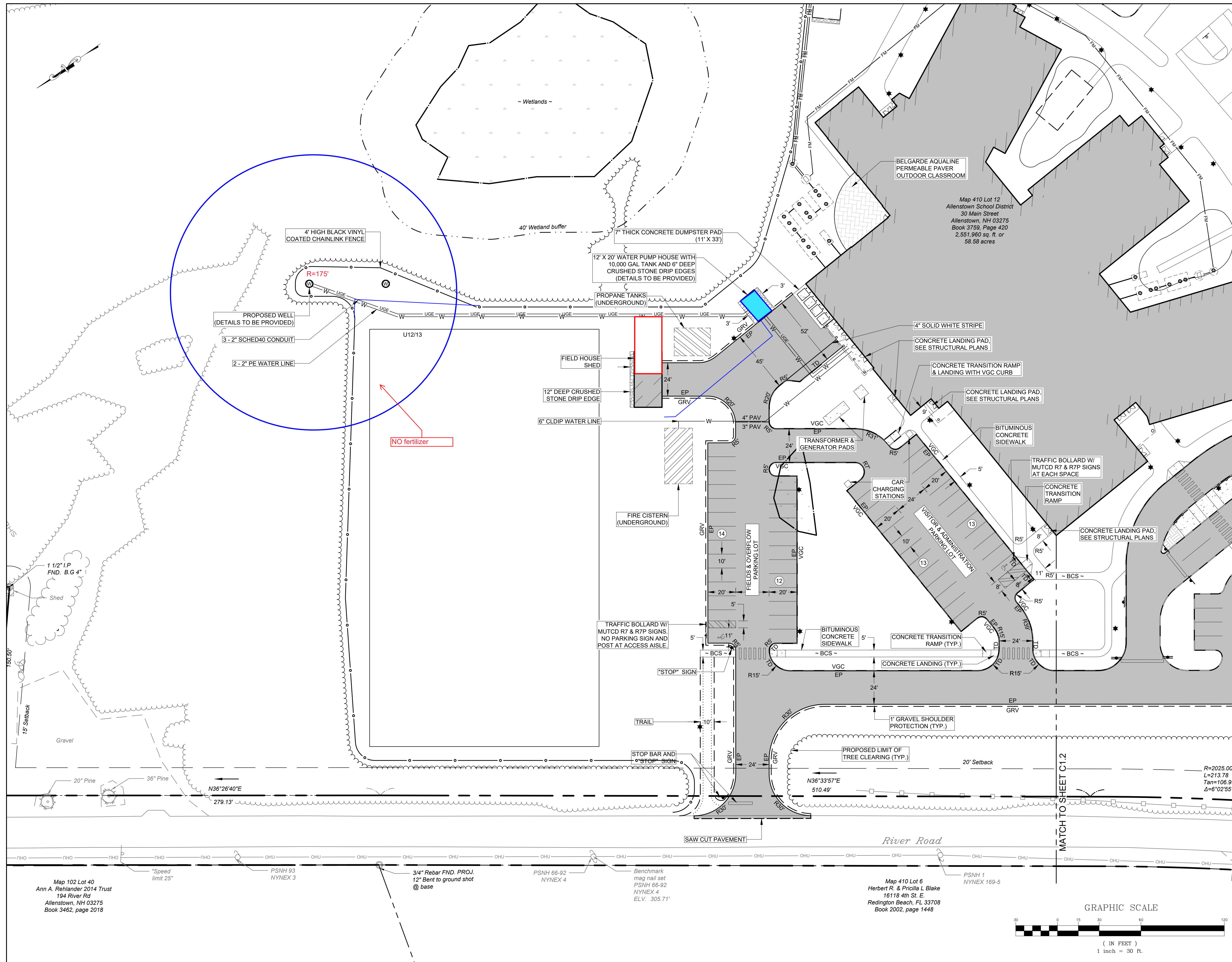
DRAWING TITLE
SITE PLAN (NORTH)

SCALE	DATE
1" = 30'	01/14/2022
DRAFTED BY	CHECKED BY
CDM	ERL
PROJECT MGR	PROJECT NO.
ERL	THLT0001

PROFESSIONAL ENGINEER
ERIN R. LAMBERT
No. 11057
LICENSED
ENGINEER ERIN R. LAMBERT
NH P.E. #11057

C1.3

09 OF 25



Map 102 Lot 40
Ann A. Rehlander 2014 Trust
194 River Rd
Allenstown, NH 03275
Book 3462, page 2018

PSNH 93
NYNEX 3

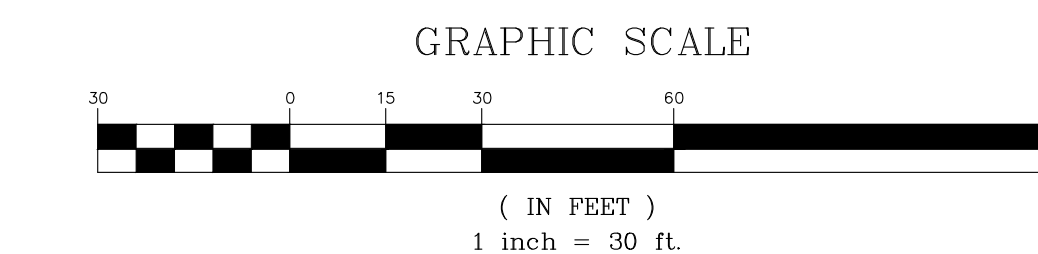
3/4" Rebar FND. PROJ.
12" Bent to ground shot
@ base

PSNH 66-92
NYNEX 4

Benchmark
mag nail set
PSNH 66-92
NYNEX 4
ELV. 305.71'

Map 410 Lot 6
Herbert R. & Priscilla L. Blake
16118 4th St. E.
Redington Beach, FL 33708
Book 2002, page 1448

PSNH 1
NYNEX 169-5



REVISION HISTORY
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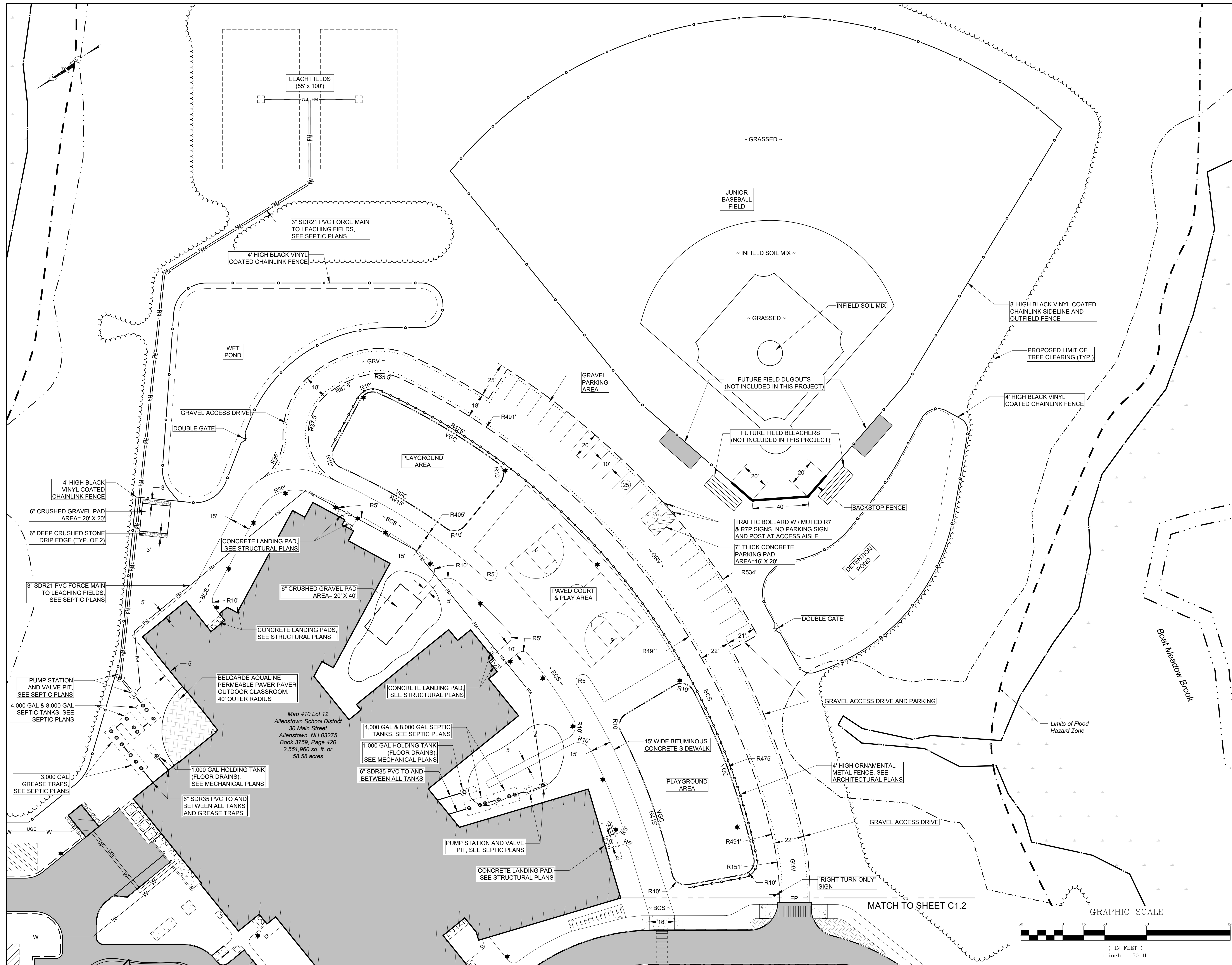
OWNER
ALLENSTOWN SCHOOL DISTRICT
 30 MAIN STREET
 ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
 RIVER ROAD
 ALLENSTOWN, NH
 MAP 410, LOT 12

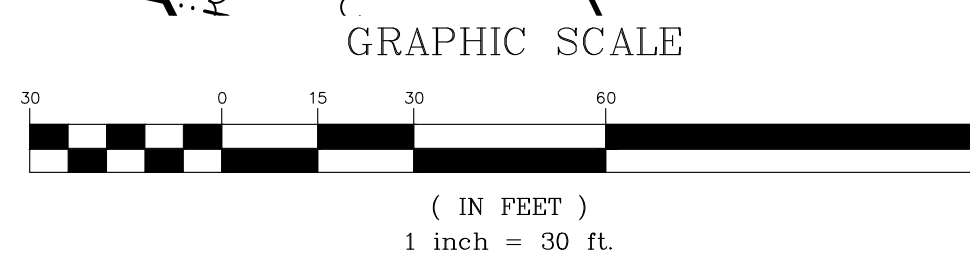
DRAWING TITLE
SITE PLAN (SOUTH)

SCALE	DATE
1" = 30'	01/14/2022
DRAFTED BY	CHECKED BY
CDM	ERL
PROJECT MGR	PROJECT NO.
ERL	THLT0001

	C1.4 SHEET NO.



Map 410 Lot 12
 Allenstown School District
 30 Main Street
 Allenstown, NH 03275
 Book 3759, Page 420
 2,551,960 sq. ft. or
 58.58 acres



REVISION HISTORY
 1. REVISED FOR BIDDING SET (2022/01/31, RSR)

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BIDDING

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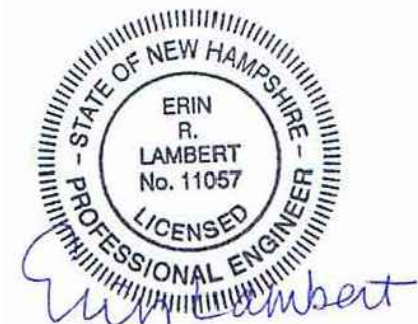
OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD ALLENSTOWN, NH
MAP 410, LOT 12

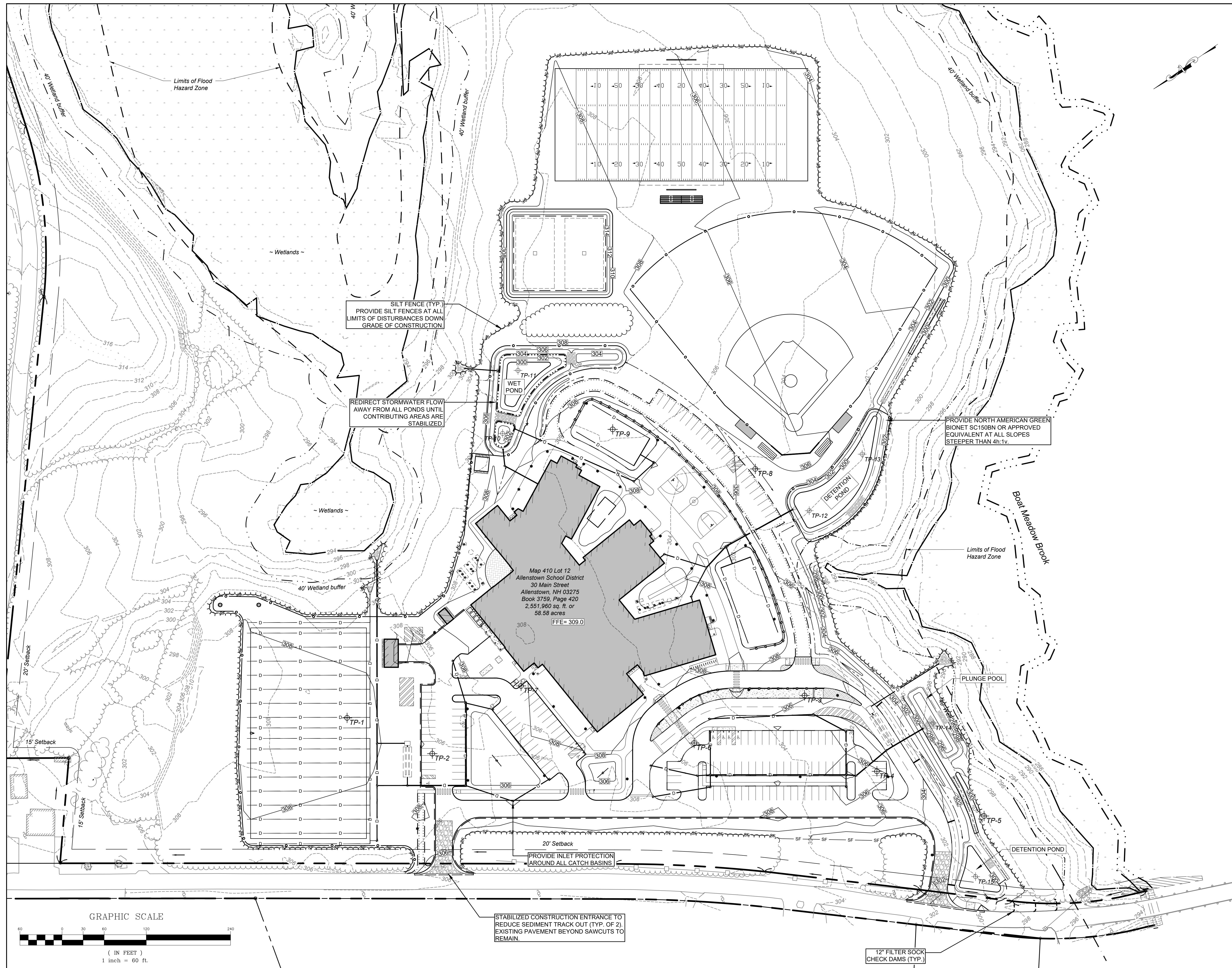
DRAWING TITLE
OVERALL GRADING & DRAINAGE PLAN

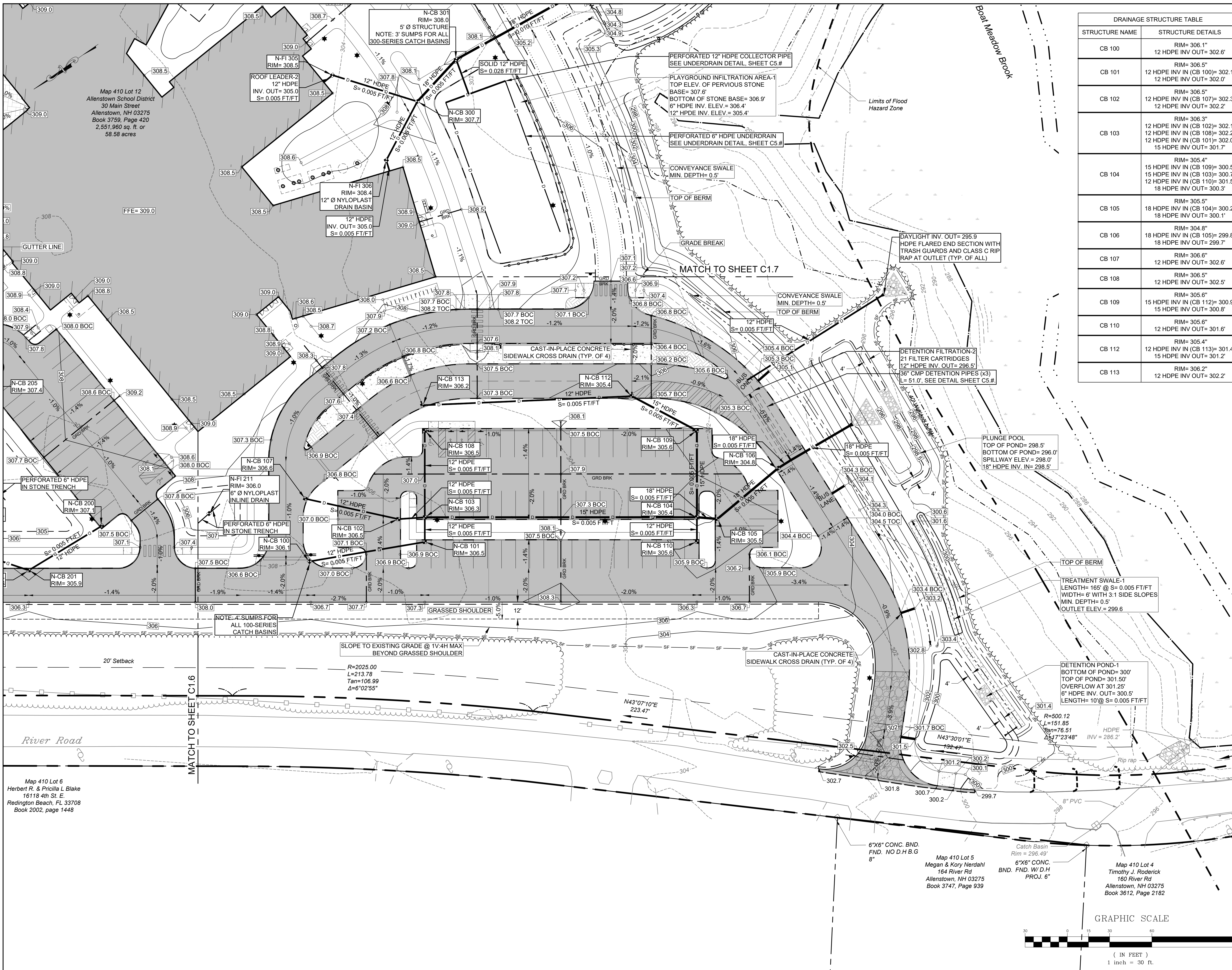
SCALE 1" = 60' DATE 01/14/2022

DRAFTED BY CDM CHECKED BY ERL PROJECT MGR ERL PROJECT NO. THLT0001

STATE OF NEW HAMPSHIRE
 ERIN R. LAMBERT
 No. 11057
 PROFESSIONAL ENGINEER
 LICENSED

 ENGINEER: ERIN R. LAMBERT
 NH P.E. #11057

SHEET NO.
C1.5
 11 OF 25





DRAINAGE STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
CB 100	RIM= 306.1" 12 HDPE INV OUT= 302.6'
CB 101	RIM= 306.5" 12 HDPE INV IN (CB 100)= 302.1' 12 HDPE INV OUT= 302.0'
CB 102	RIM= 306.5" 12 HDPE INV IN (CB 107)= 302.3' 12 HDPE INV OUT= 302.2'
CB 103	RIM= 306.3" 12 HDPE INV IN (CB 102)= 302.1' 12 HDPE INV IN (CB 108)= 302.2' 12 HDPE INV IN (CB 101)= 302.0' 15 HDPE INV OUT= 301.7'
CB 104	RIM= 305.4" 15 HDPE INV IN (CB 109)= 300.5' 15 HDPE INV IN (CB 103)= 300.7' 12 HDPE INV IN (CB 110)= 301.5' 18 HDPE INV OUT= 300.3'
CB 105	RIM= 305.5" 18 HDPE INV IN (CB 104)= 300.2' 18 HDPE INV OUT= 300.1'
CB 106	RIM= 304.8" 18 HDPE INV IN (CB 105)= 299.8' 18 HDPE INV OUT= 299.7'
CB 107	RIM= 306.6" 12 HDPE INV OUT= 302.6'
CB 108	RIM= 306.5" 12 HDPE INV OUT= 302.5'
CB 109	RIM= 305.6" 15 HDPE INV IN (CB 112)= 300.9' 15 HDPE INV OUT= 300.8'
CB 110	RIM= 305.6" 12 HDPE INV OUT= 301.6'
CB 112	RIM= 305.4" 12 HDPE INV IN (CB 113)= 301.4' 15 HDPE INV OUT= 301.2'
CB 113	RIM= 306.2" 12 HDPE INV OUT= 302.2'

Wilcox & Barton, Inc.
CIVIL • ENVIRONMENTAL • GEOTECHNICAL

2 CAPITAL PLAZA, SUITE 305
CONCORD, NH 03301
603-369-4190
www.wilcoxandbarton.com

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OWNER

ALLENSTOWN SCHOOL DISTRICT

30 MAIN STREET ALLENSTOWN, NH

SITE

NEW ALLENSTOWN K-8 SCHOOL

RIVER ROAD ALLENSTOWN, NH

MAP 410, LOT 12

DRAWING TITLE

GRADING & DRAINAGE PLAN (WEST)

SCALE: 1" = 30'

DATE: 01/14/2022

DRAFTED BY: CDM | CHECKED BY: ERL | PROJECT MGR: ERL | PROJECT NO: THLT0001

SHEET NO.

STATE OF NEW HAMPSHIRE
ERIN R. LAMBERT
No. 11057
LICENSED PROFESSIONAL ENGINEER

C1.6

12 OF 25

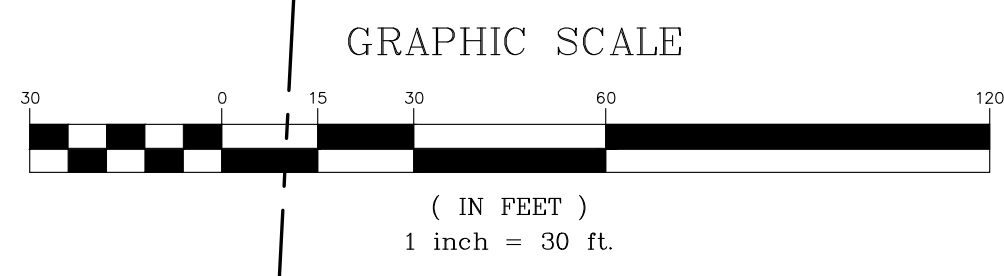
Map 410 Lot 12
Allenstown School District
30 Main Street
Allenstown, NH 03275
Book 3759, Page 420
2,551,960 sq. ft. or
58.58 acres

Map 410 Lot 6
Herbert R. & Priscilla L. Blake
16118 4th St. E.
Redington Beach, FL 33708
Book 2002, page 1448

Map 410 Lot 5
Megan & Kory Nerdahl
164 River Rd
Allenstown, NH 03275
Book 3747, Page 939

Catch Basin
Rim = 296.49'
6"X6" CONC.
BND. FND. W/ D.H.
PROJ. 6"

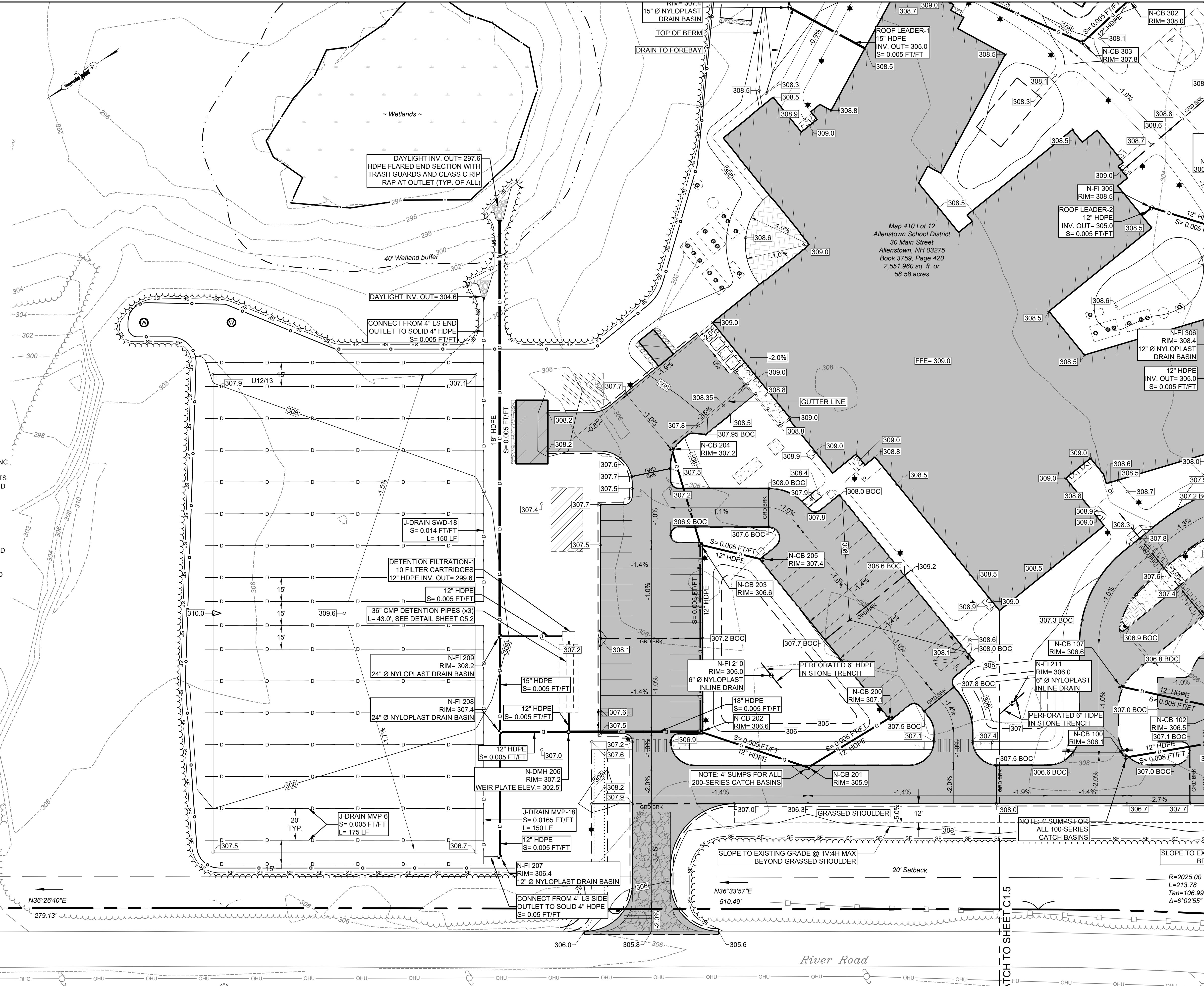
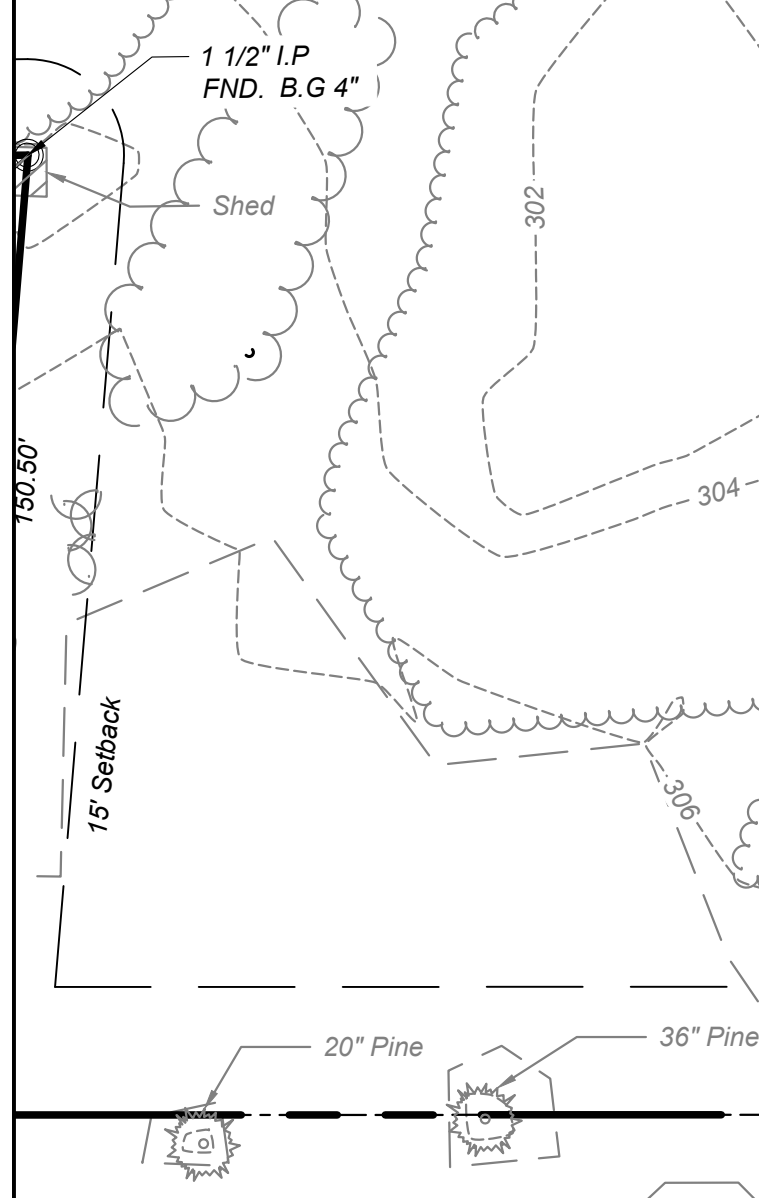
Map 410 Lot 4
Timothy J. Roderick
160 River Rd
Allenstown, NH 03275
Book 3612, Page 2182



DRAINAGE STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
CB 200	RIM= 307.1' 12 HDPE INV OUT= 303.1'
CB 201	RIM= 305.9' 12 HDPE INV IN (CB 200)= 302.8' 12 HDPE INV OUT= 302.7'
CB 202	RIM= 306.6" 12 HDPE INV IN (CB 201)= 302.3' 12 HDPE INV IN (CB 203)= 302.2' 18 HDPE INV OUT= 301.7'
CB 203	RIM= 306.6" 12 HDPE INV IN (CB 205)= 302.9' 12 HDPE INV IN (CB 204)= 302.9' 12 HDPE INV OUT= 302.8'
CB 204	RIM= 307.2" 12 HDPE INV OUT= 303.2'
CB 205	RIM= 307.4" 12 HDPE INV OUT= 303.1'
DMH 206	RIM= 307.2" 18 HDPE INV IN (CB 202)= 301.3' 12 HDPE INV OUT= 302.2' 12 HDPE INV OUT= 301.2'
FI 207	RIM= 306.4" 4 HDPE INV IN (I)= 304.1' 12 HDPE INV OUT= 303.4'
FI 208	RIM= 307.4" 12 HDPE INV IN (DMH 206)= 302.0' 12 HDPE INV IN (FI 207)= 303.0' 15 HDPE INV OUT= 301.8'
FI 209	RIM= 308.2" 15 HDPE INV IN (FI 208)= 301.5' 12 HDPE INV IN (I)= 299.4' 18 HDPE INV OUT= 298.9'
FI 210	RIM= 305.0" 6 HDPE INV OUT= 302.0' 6 HDPE INV OUT= 302.0'
FI 211	RIM= 306.0" 6 HDPE INV OUT= 303.0' 6 HDPE INV OUT= 303.0'

PLAN NOTES:

- DRAINAGE LATERALS SHALL BE J-DRAIN MVP-6 STRIP DRAINS, AS MANUFACTURED BY JDR ENTERPRISES, INC., 292 S. MAIN ST., STE. 200, ALPHARETTA, GA 30009, 800-843-7589, OR APPROVED EQUAL. ALL COMPONENTS (COUPLINGS, FITTINGS, OUTLETS) SHALL BE PROVIDED BY A SINGLE MANUFACTURER.
- TYPICAL SPACING BETWEEN DRAINAGE LATERALS IN THE SOCCER FIELD IS 20-FEET UNLESS NOTED OTHERWISE.
- DRAINAGE SYSTEM INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.
- CONTRACTOR SHALL LAY OUT DRAINAGE SYSTEM AND CONFIRM SLOPES AND STRIP DRAIN INVERT ELEVATIONS PRIOR TO BEGINNING TRENCHING / EXCAVATION. ANY CONFLICTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- STRIP DRAINS SHALL TRANSITION TO SOLID 4" HDPE BEFORE DAYLIGHTING OR TYING INTO DRAINAGE NETWORK.



Wilcox & Barton, INC.
CIVIL • ENVIRONMENTAL • GEOTECHNICAL

2 CAPITAL PLAZA, SUITE 305
CONCORD, NH 03301
603-369-4190
www.wilcoxandbarton.com

REVISION HISTORY
REVISED FOR BIDDING SET (2022/01/31, RSR)

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ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET
ALLENSTOWN, NH

NEW ALLENSTOWN K-8 SCHOOL

RIVER ROAD
ALLENSTOWN, NH

MAP 410, LOT 12

GRADING & DRAINAGE PLAN (NORTH)

SCALE	DATE
1" = 30'	01/14/2022
DRAFTED BY	CHECKED BY
CDM	ERL
PROJECT MGR	PROJECT NO.
ERL	THLT0001

STATE OF NEW HAMPSHIRE
ERIN R. LAMBERT
No. 11057
PROFESSIONAL ENGINEER
LICENSED

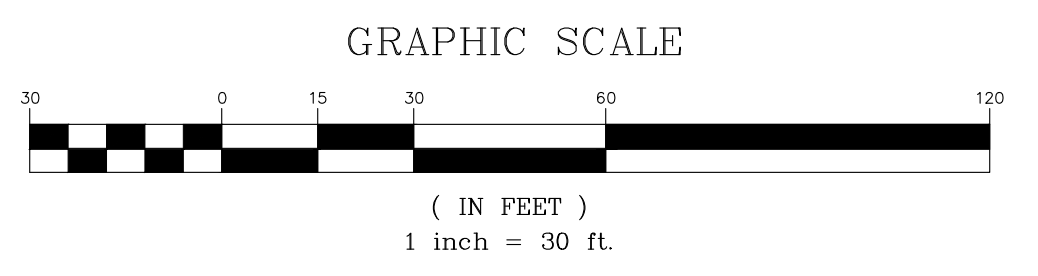
C1.7

13 OF 25

Map 102 Lot 40
Ann A. Rehlander 2014 Trust
194 River Rd
Allenstown, NH 03275
Book 3462, page 2018

3/4" Rebar FND. PROJ.
12" Bent to ground shot
@ base

Map 410 Lot 6
Herbert R. & Priscilla L. Blake
16118 4th St. E.
Redington Beach, FL 33708
Book 2002, page 1448



REVISION HISTORY
REVISED FOR BIDDING SET (2022/01/31, RSR)

ISSUED FOR
BIDDING

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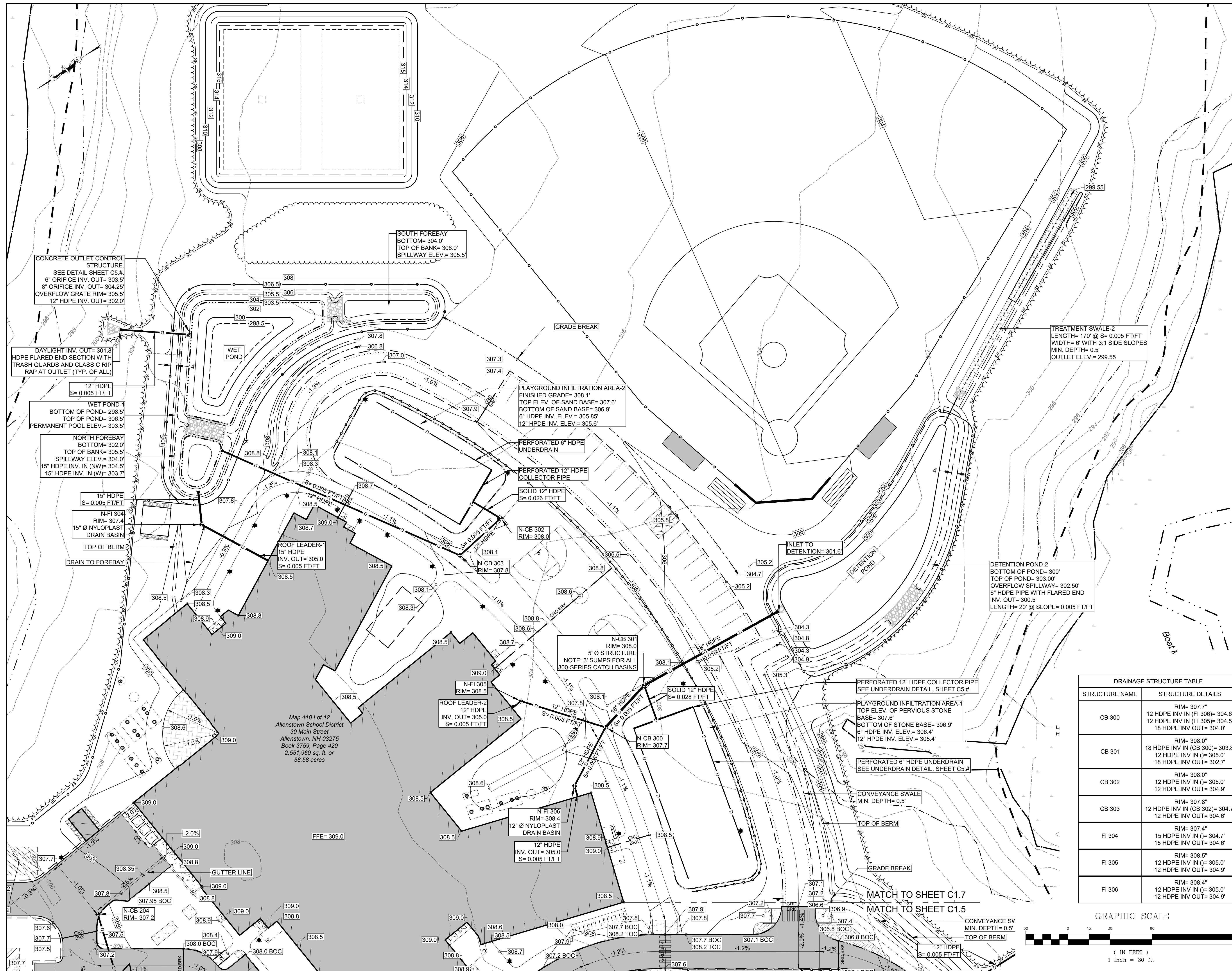
OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET
ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD
ALLENSTOWN, NH
MAP 410, LOT 12

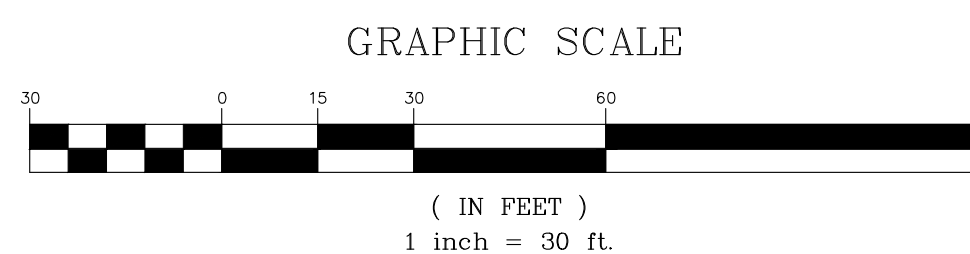
DRAWING TITLE
GRADING & DRAINAGE PLAN (SOUTH)

SCALE: 1" = 30'
DATE: 01/14/2022
DRAFTED BY: CDM
CHECKED BY: ERL
PROJECT MGR: ERL
PROJECT NO.: THLT0001

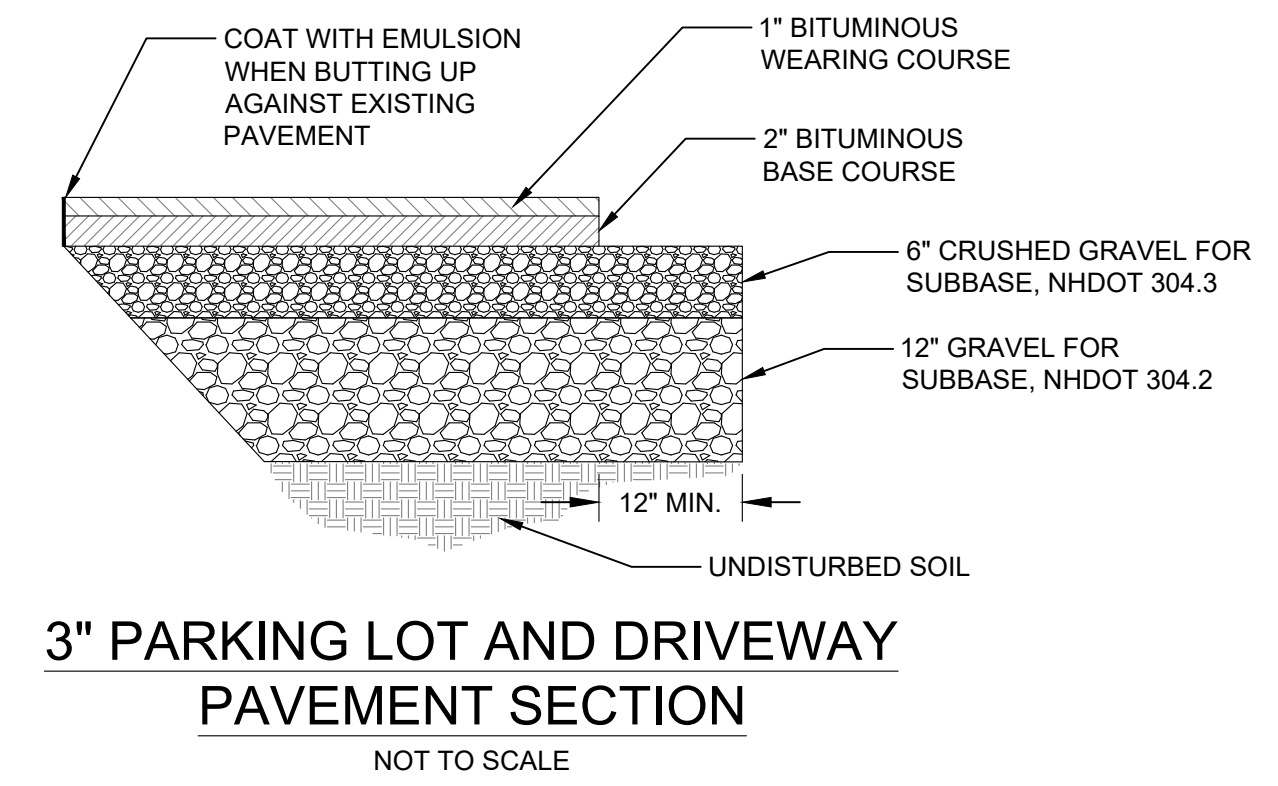
SHEET NO.
C1.8
14 OF 25



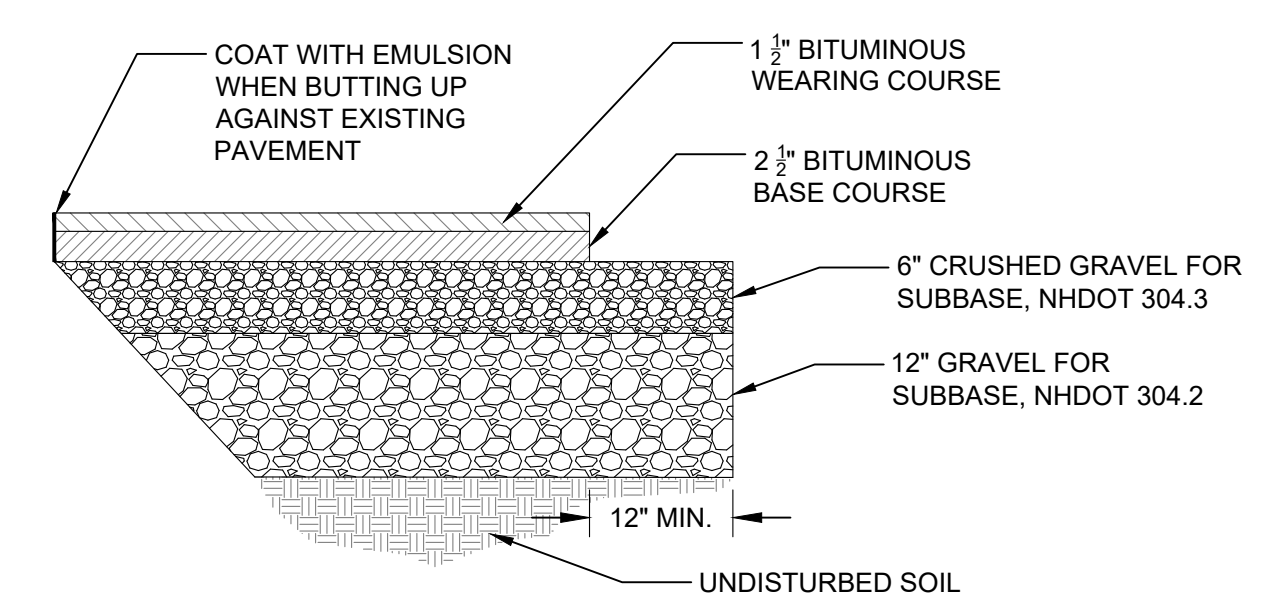
DRAINAGE STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
CB 300	RIM= 307.7" 12 HDPE INV IN (FI 306)= 304.6" 12 HDPE INV IN (FI 305)= 304.5" 18 HDPE INV OUT= 304.0"
CB 301	RIM= 308.0" 18 HDPE INV IN (CB 300)= 303.8" 12 HDPE INV IN (I)= 305.0" 18 HDPE INV OUT= 302.7"
CB 302	RIM= 308.0" 12 HDPE INV IN (I)= 305.0" 12 HDPE INV OUT= 304.9"
CB 303	RIM= 307.8" 12 HDPE INV IN (CB 302)= 304.7" 12 HDPE INV OUT= 304.6"
FI 304	RIM= 307.4" 15 HDPE INV IN (I)= 304.7" 15 HDPE INV OUT= 304.6"
FI 305	RIM= 308.5" 12 HDPE INV IN (I)= 305.0" 12 HDPE INV OUT= 304.9"
FI 306	RIM= 308.4" 12 HDPE INV IN (I)= 305.0" 12 HDPE INV OUT= 304.9"



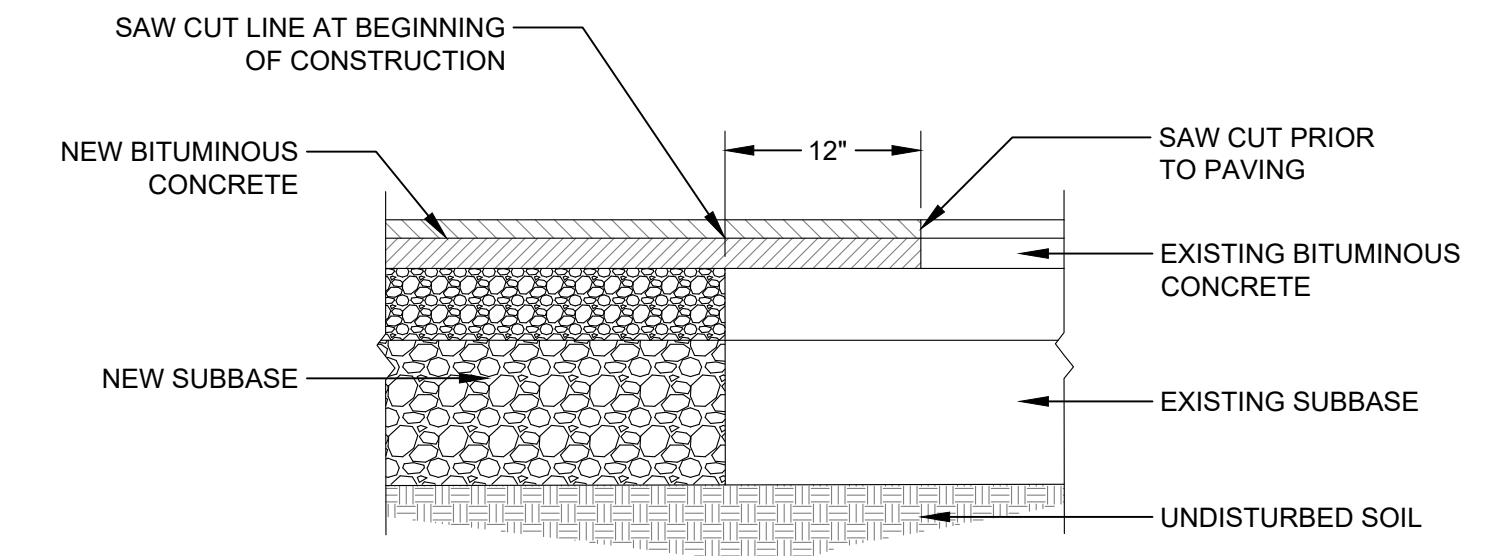
REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)



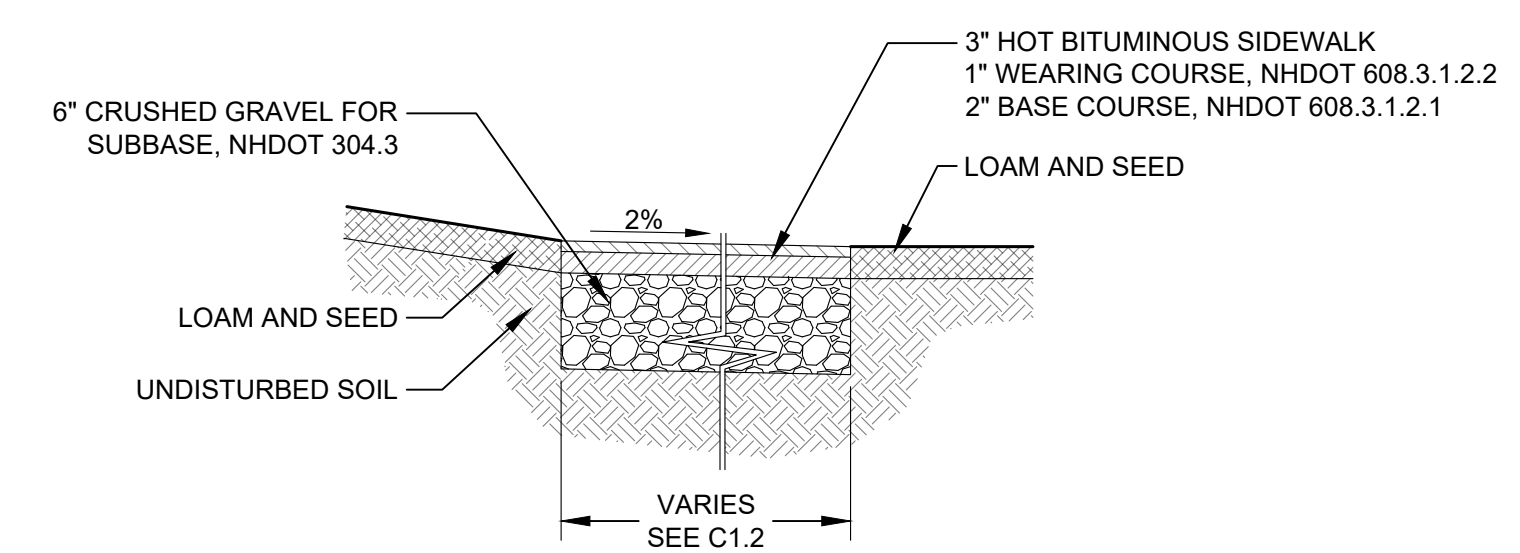
3" PARKING LOT AND DRIVEWAY PAVEMENT SECTION
NOT TO SCALE



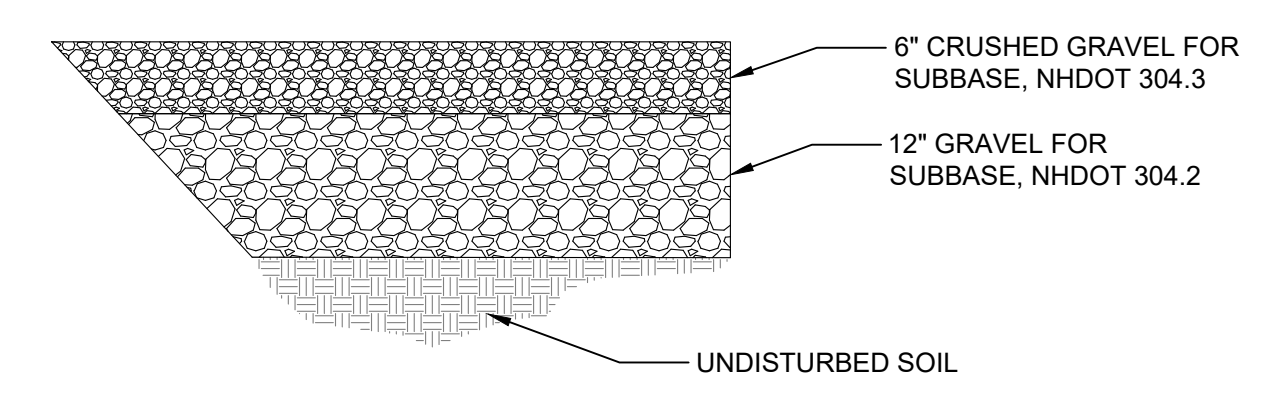
4" LOADING AREA PAVEMENT SECTION
NOT TO SCALE



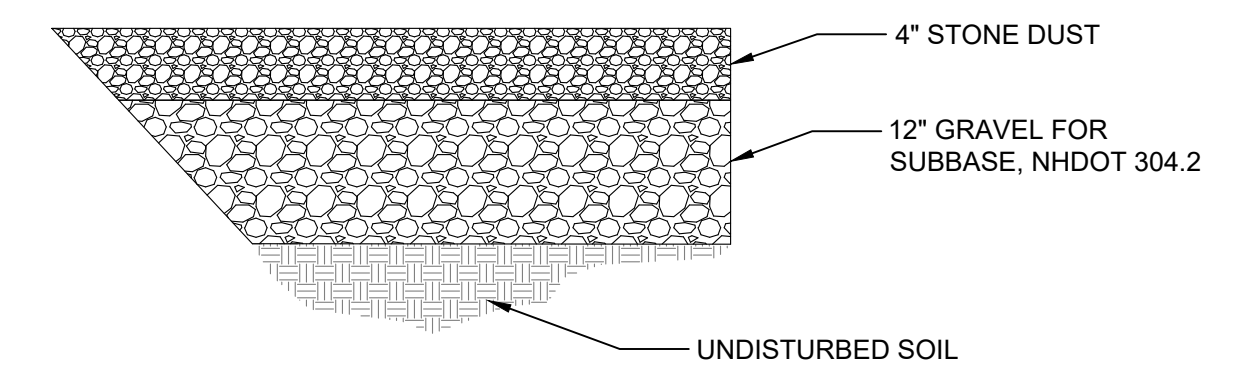
PAVEMENT JOINT SECTION
NOT TO SCALE



3" BITUMINOUS SIDEWALK SECTION
NOT TO SCALE



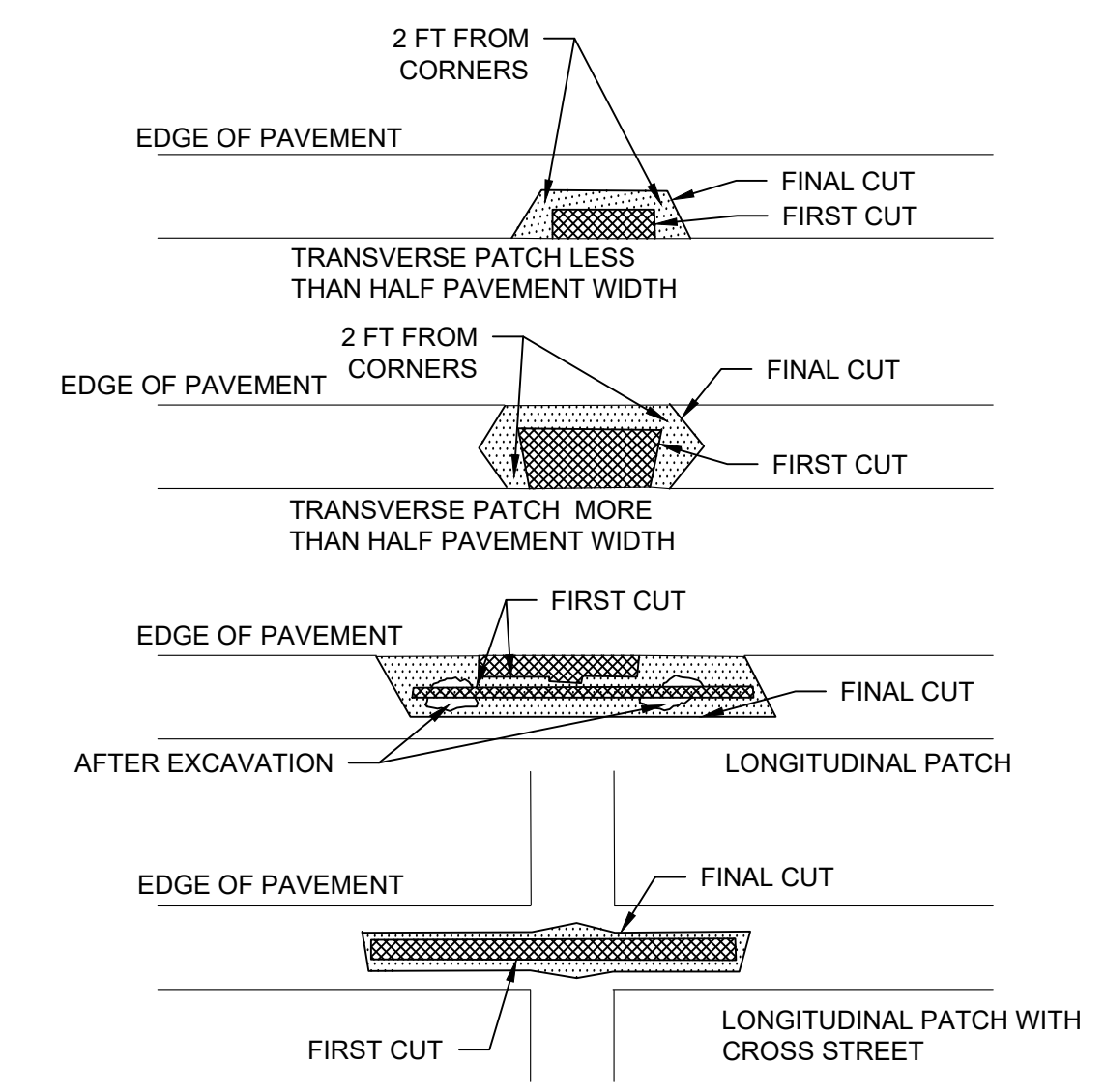
GRAVEL DRIVE/PARKING SECTION
NOT TO SCALE



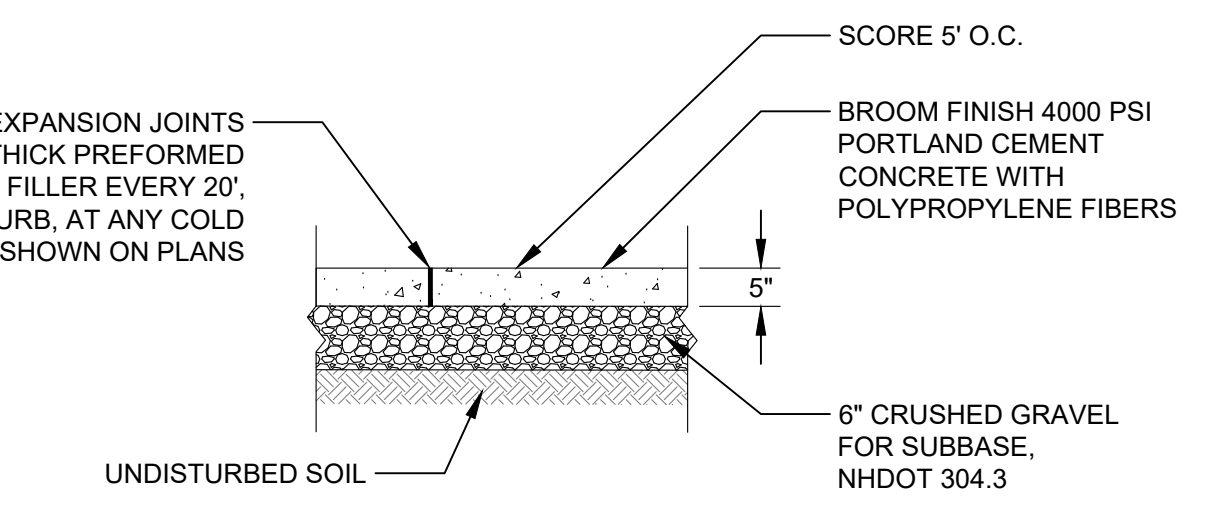
TRAIL SECTION
NOT TO SCALE



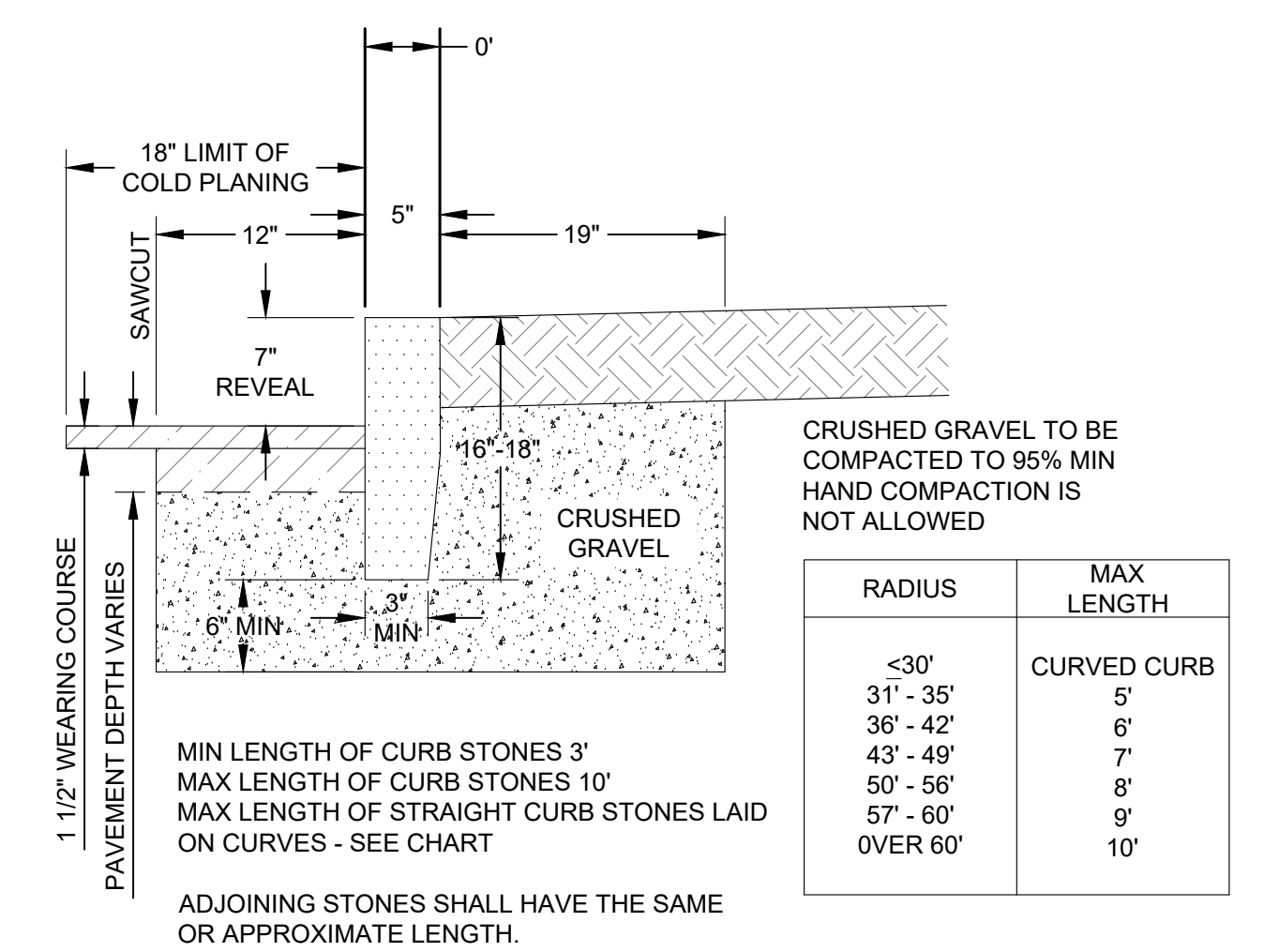
CONCRETE PAD SECTION
NOT TO SCALE



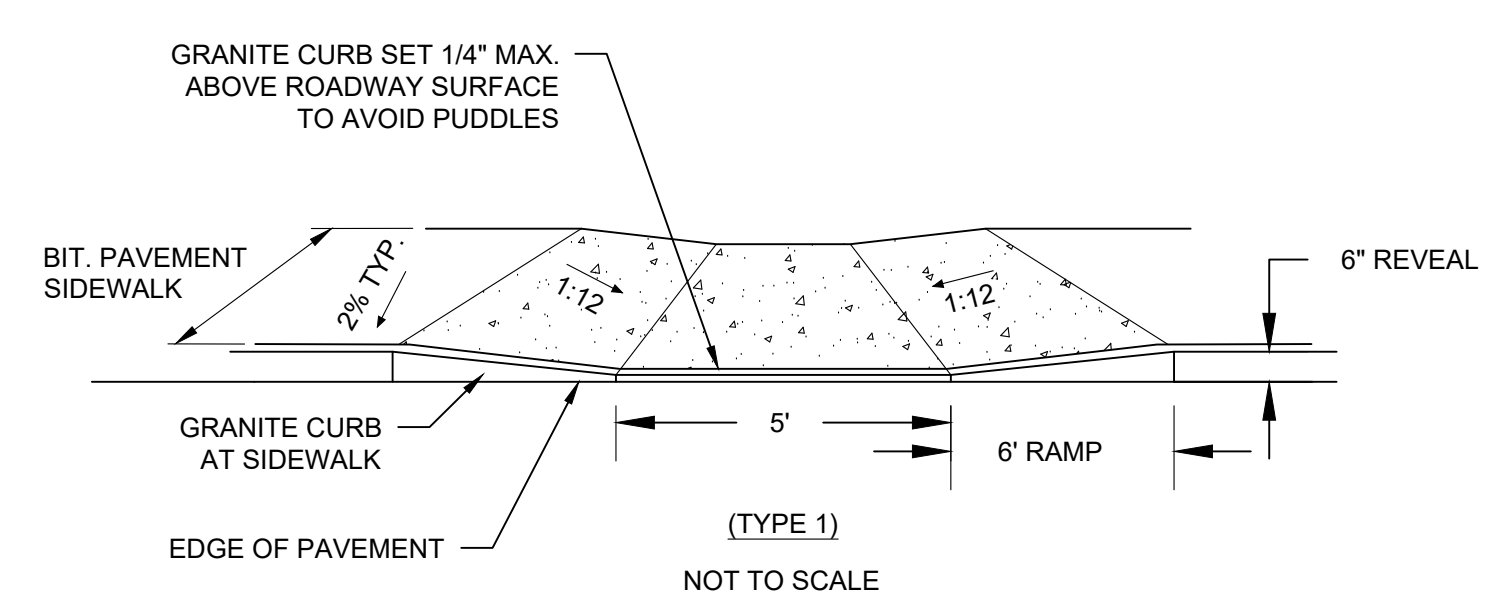
SAWCUT DETAIL
NOT TO SCALE



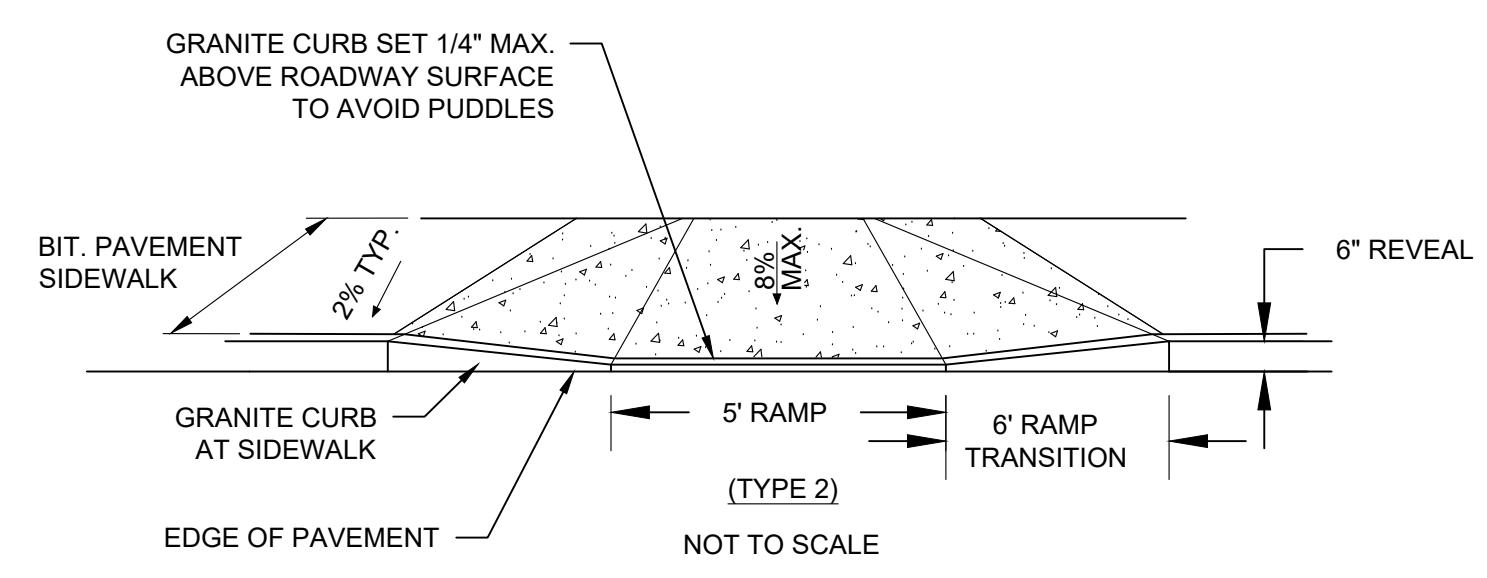
CAST-IN-PLACE CONCRETE SIDEWALK SECTION
NOT TO SCALE



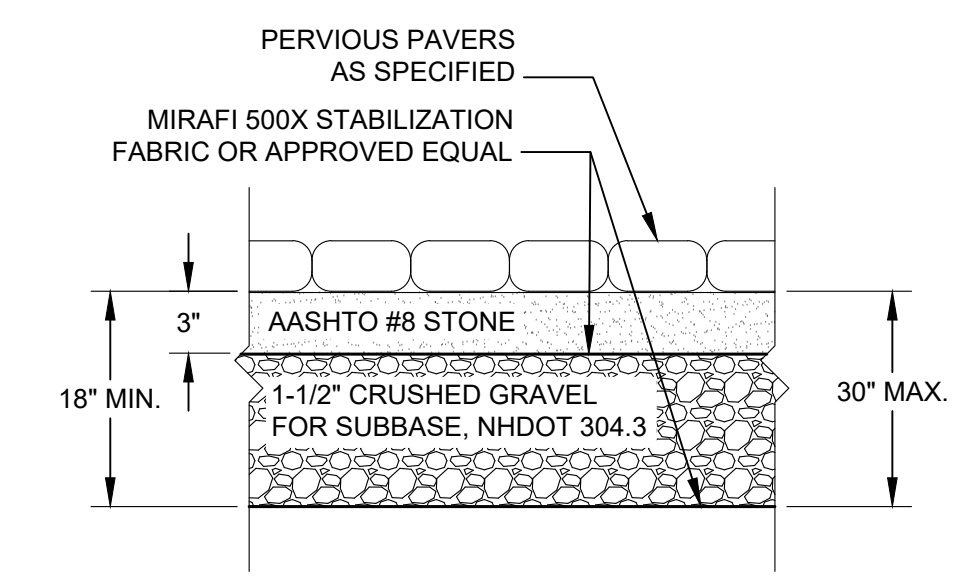
VERTICAL GRANITE CURB
NOT TO SCALE



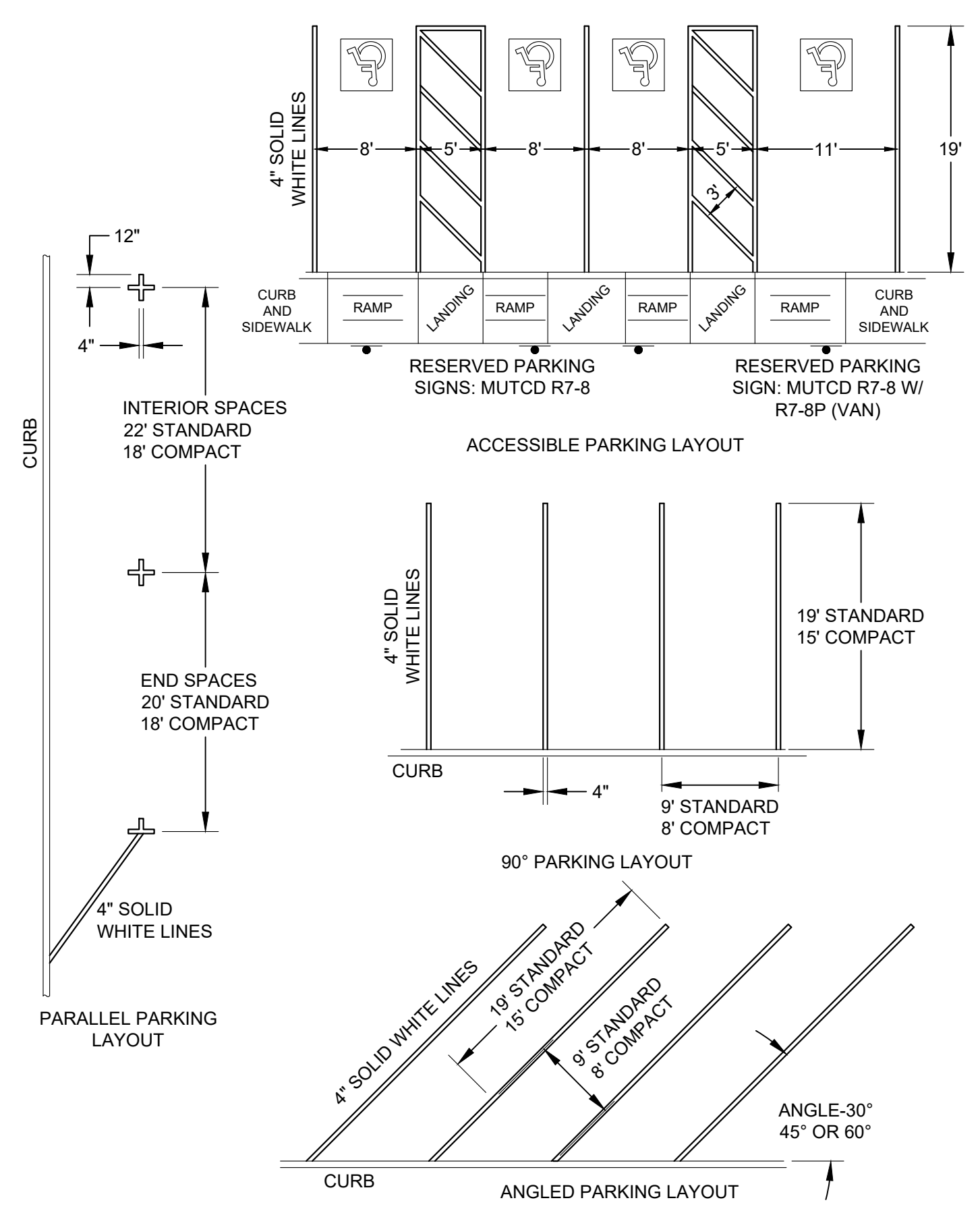
ACCESSIBLE RAMP DETAIL
NOT TO SCALE



NOTES:
1. RAMPS AND LEVEL LANDING TO BE REINFORCED CONCRETE.
2. CONCRETE TO BE 6" THICK. CONCRETE TO BE TYPE II PORTLAND CEMENT, 4,000 PSI.
3. CONCRETE REINFORCING TO BE WELDED WIRE FABRIC, 6"x6" W2.9XW2.9. MAINTAIN 2" CLEARANCE (TYP) BETWEEN ALL CONCRETE EDGES AND WIRE FABRIC.
4. SUBBASE BELOW CONCRETE TO BE 8" THICK. SUBBASE MATERIAL TO BE CRUSHED GRAVEL.



PERVIOUS PAVER DETAIL
NOT TO SCALE



PARKING SPACE LAYOUT PAVEMENT MARKINGS
NOT TO SCALE

BIDDING

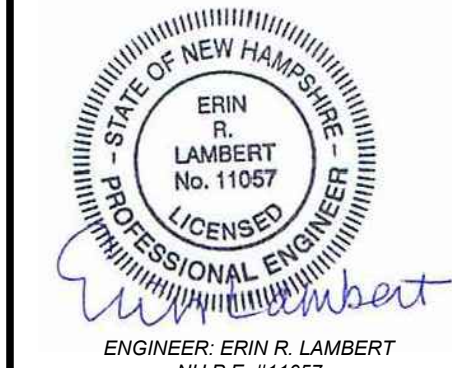
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ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET ALLENSTOWN, NH

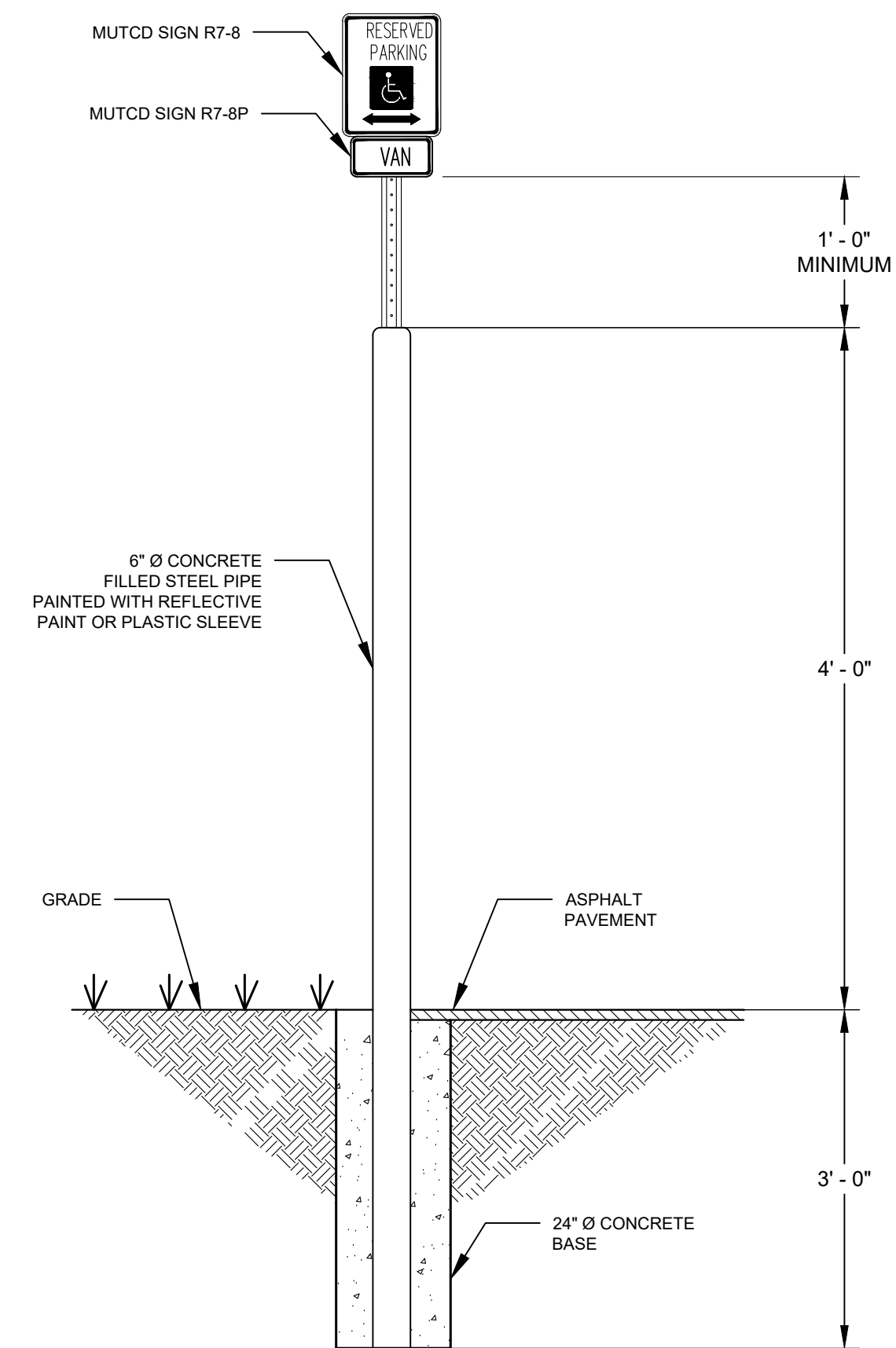
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD ALLENSTOWN, NH
MAP 410, LOT 12

CONSTRUCTION DETAILS

SCALE	N.T.S.	DATE	01/14/2022
DRAFTED BY	CDM	CHECKED BY	ERL
PROJECT MGR	ERL	PROJECT NO.	THLT0001

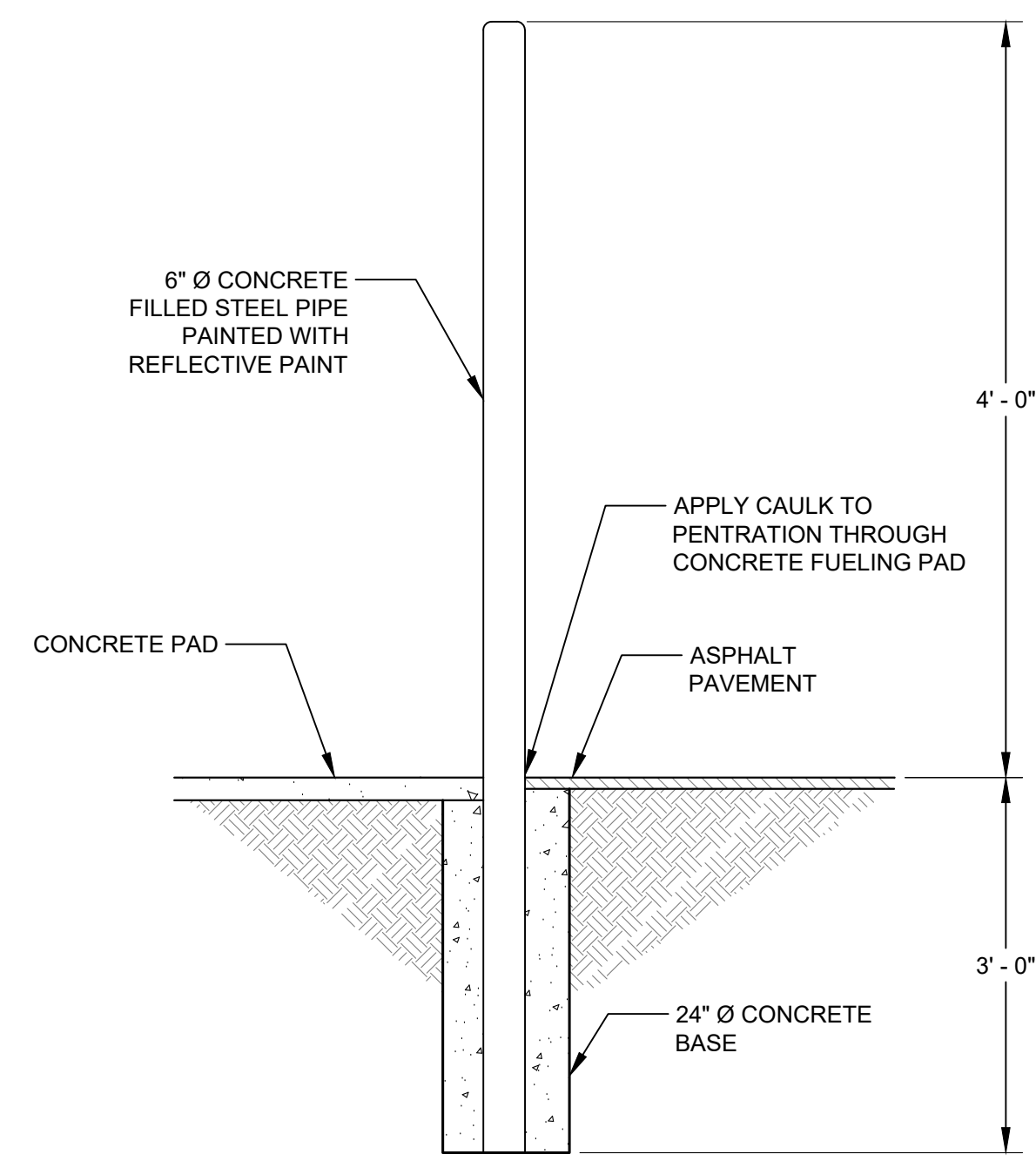


C5.1



NOTES:
1. A PRECAST BOLLARD WHICH MEETS THE SPECIFIED DIMENSIONS MAY ALSO BE USED.

TRAFFIC BOLLARD WITH ADA SPACE SIGN
NOT TO SCALE



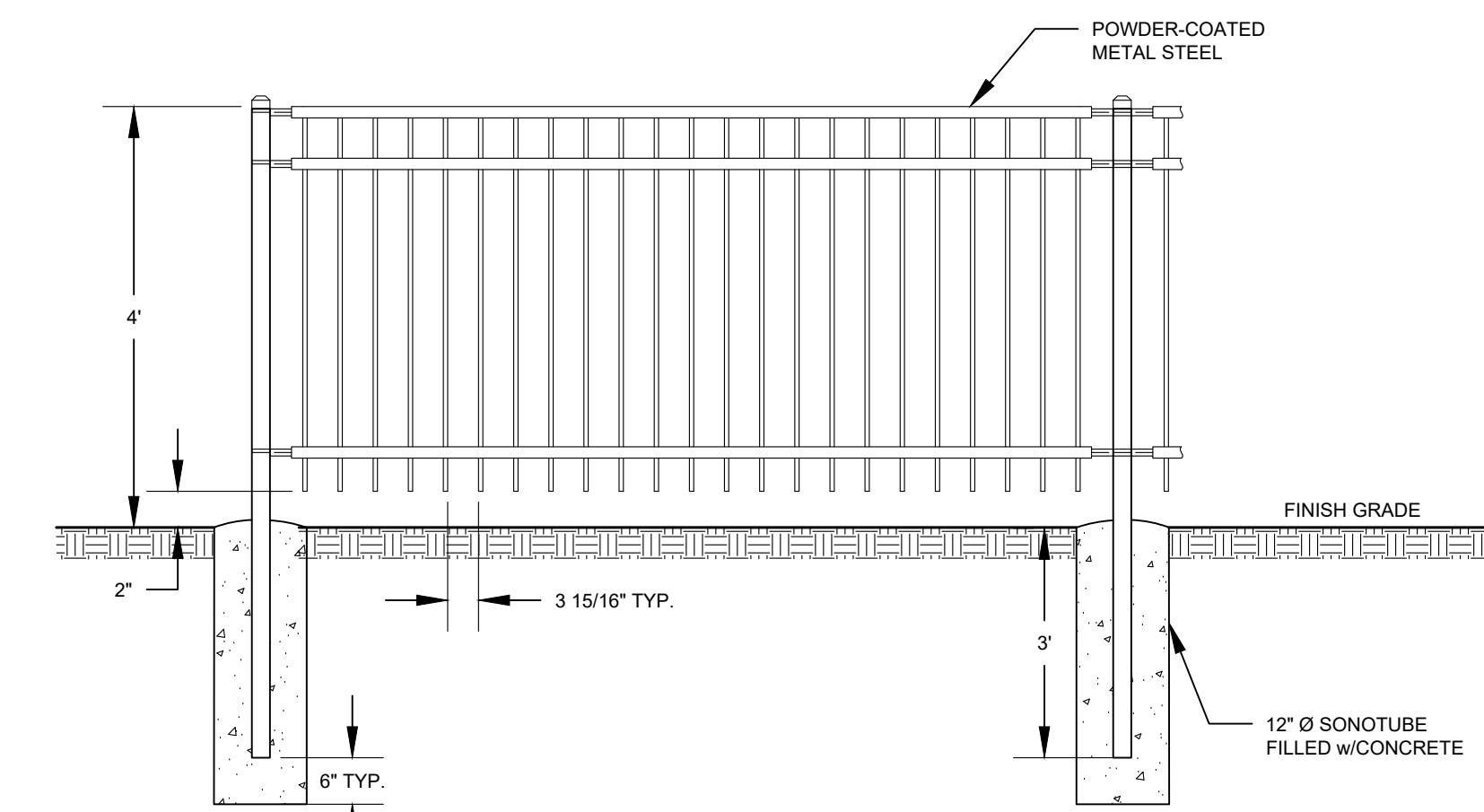
NOTES:
1. CAULK SHALL BE SILKAFLEX 1C SELF LEVELING CAULKING OR APPROVED EQUAL.
2. A PRECAST BOLLARD WHICH MEETS THE SPECIFIED DIMENSIONS MAY ALSO BE USED.

TRAFFIC BOLLARD
NOT TO SCALE

M.U.T.C.D. NUMBER	SPECIFICATION WIDTH	SPECIFICATION HEIGHT	MOUNTING HEIGHT	SIGN
R1-1	30"	30"	7'-0"	STOP
R7-8	12"	18"	7'-0"	RESERVED PARKING
R7-8P	12"	6"	6'-3"	VAN
R7-1	12"	18"	7'-0"	NO PARKING ANY TIME
R5-1	30"	30"	7'-0"	CONTACT ENTER
R3-5	30"	36"	7'-0"	ONLY
R6-1(R/L)	36"	12"	7'-0"	ONE WAY
R2-1	24"	30"	7'-0"	SPEED LIMIT 5
NA	12"	18"	7'-0"	COMPACT CAR PARKING ONLY
R7-304	12"	18"	7'-0"	BUSES ONLY
NA	18"	12"	7'-0"	DRUG FREE SCHOOL ZONE

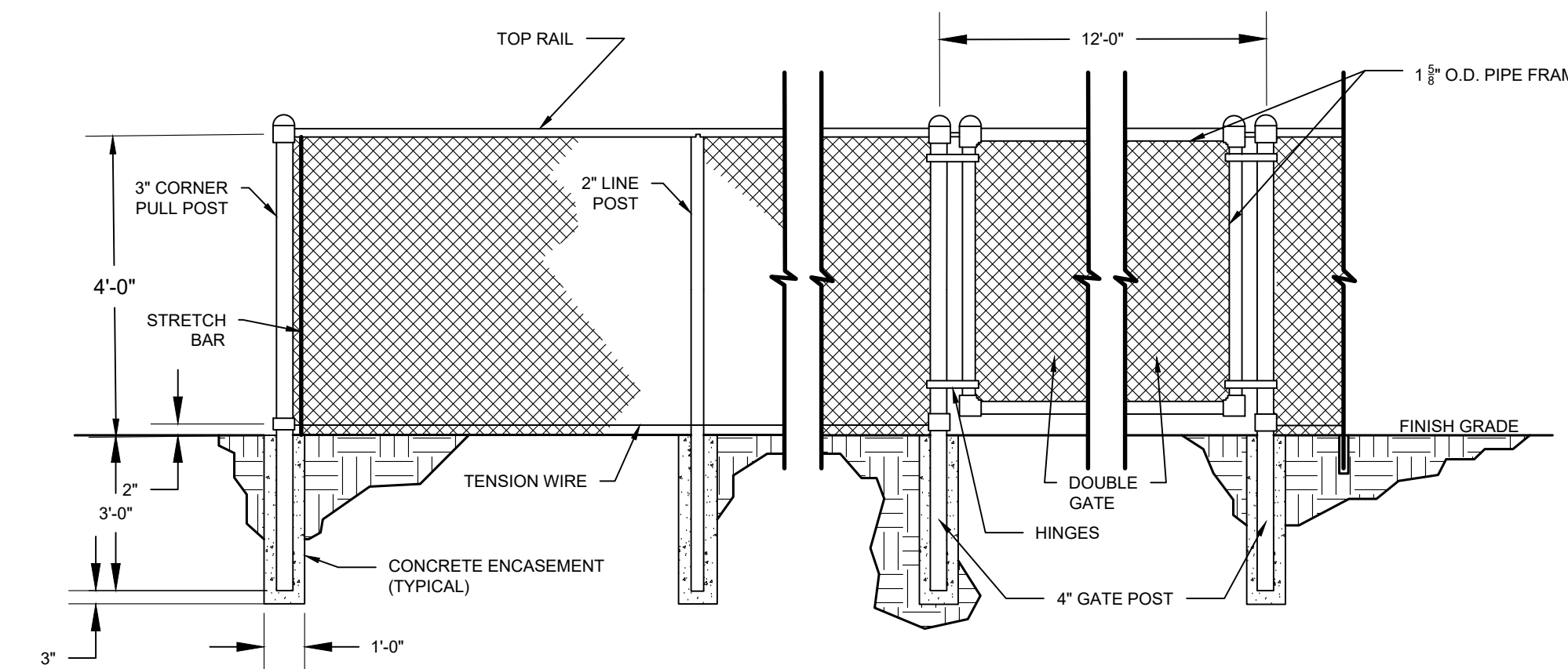
NOTE:
MOUNTING HEIGHT IS THE CLEARANCE OF THE BOTTOM OF THE SIGN TO THE NEAREST EDGE OF PAVEMENT.

SIGN SUMMARY
NOT TO SCALE



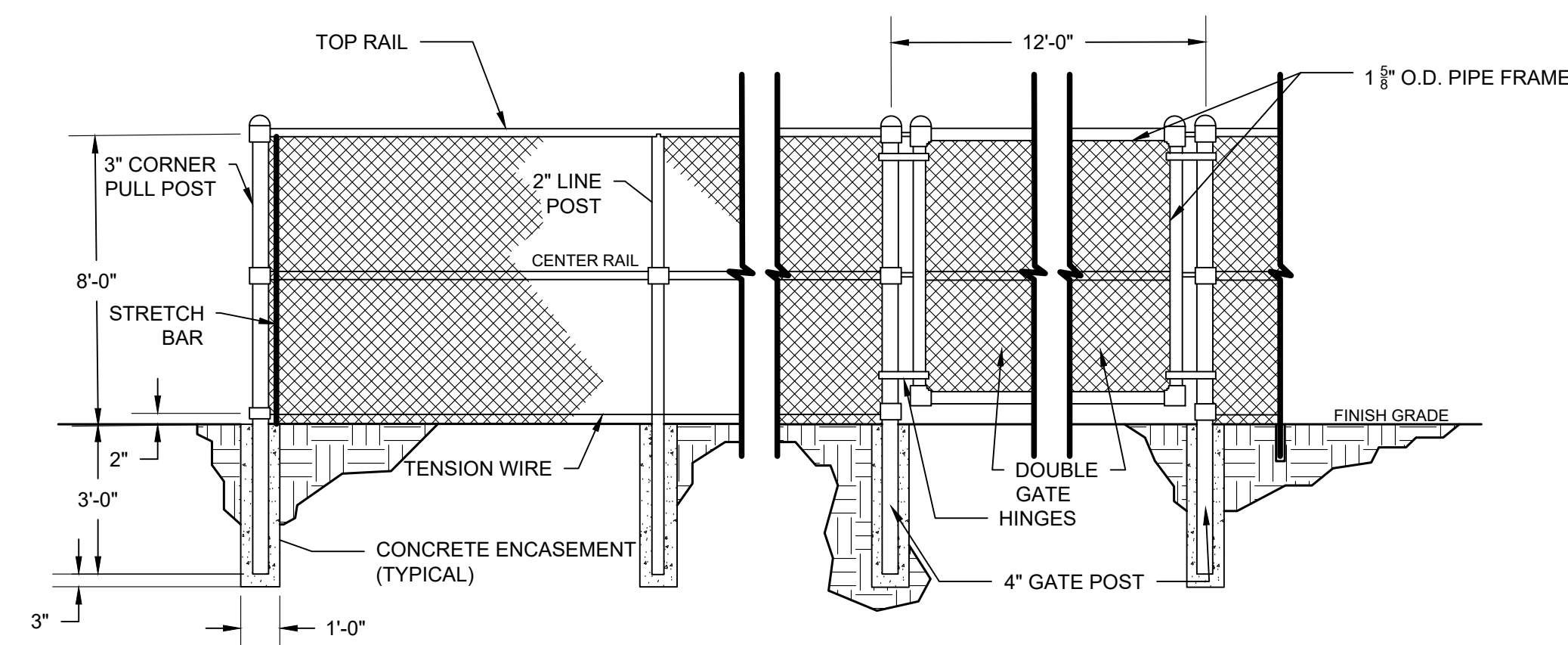
NOTES:
1. MAXIMUM POST SPACING FOR FENCING SHALL BE 8'.
2. INTERMEDIATE POSTS SHALL BE CENTERED IN SPACING.

ORNAMENTAL METAL FENCE
NOT TO SCALE



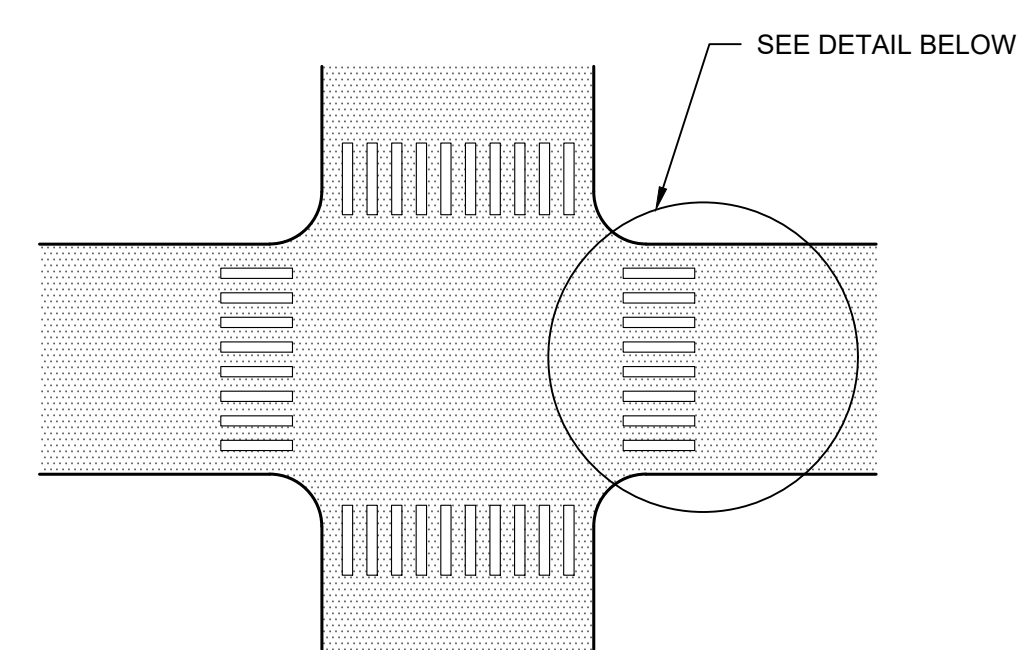
NOTES:
1. DOUBLE GATE SHALL HAVE A LOCKING MECHANISM, DROP ROD, AND TRUSS ROD.
2. ALL FENCE COMPONENT MATERIAL SHALL BE EITHER HOT DIPPED GALVANIZED STEEL OR IRON.
3. ALL FENCING SHALL BE PROVIDED WITH BLACK VINYL COATED POLYESTER FENCE SLATS FOR SCREENING ACROSS THE ENTIRE SURFACE AREA OF THE FENCE INCLUDING GATES.
4. ALL CHAIN LINK FENCING AND POSTS SHALL BE VINYL COATED WITH BLACK UV RESISTANT VINYL.

CHAIN LINK FENCE & GATE
NOT TO SCALE

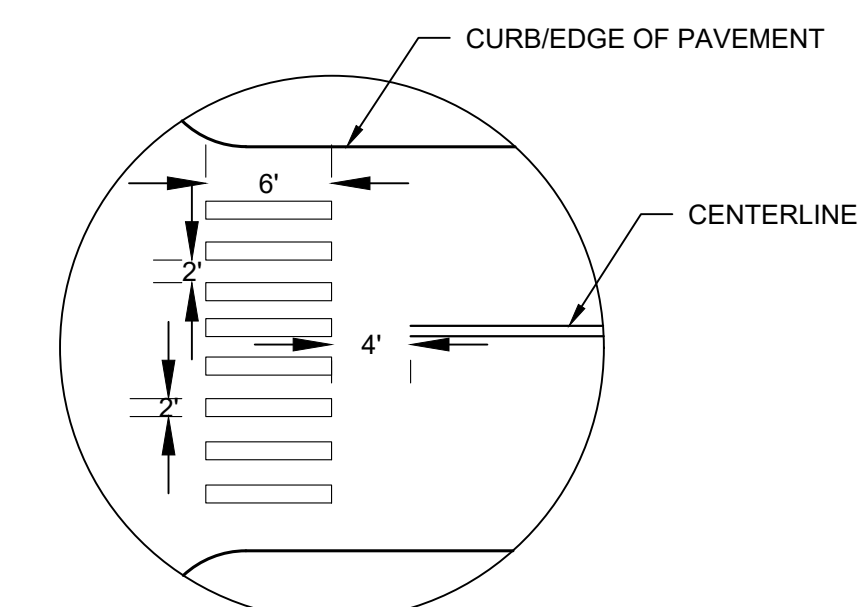


NOTES:
1. DOUBLE GATE SHALL HAVE A LOCKING MECHANISM, DROP ROD, AND TRUSS ROD.
2. ALL FENCE COMPONENT MATERIAL SHALL BE EITHER HOT DIPPED GALVANIZED STEEL OR IRON.
3. ALL FENCING SHALL BE PROVIDED WITH BLACK VINYL COATED POLYESTER FENCE SLATS FOR SCREENING ACROSS THE ENTIRE SURFACE AREA OF THE FENCE INCLUDING GATES.
4. ALL CHAIN LINK FENCING AND POSTS SHALL BE VINYL COATED WITH BLACK UV RESISTANT VINYL.

8FT CHAIN LINK FENCE & GATE
NOT TO SCALE



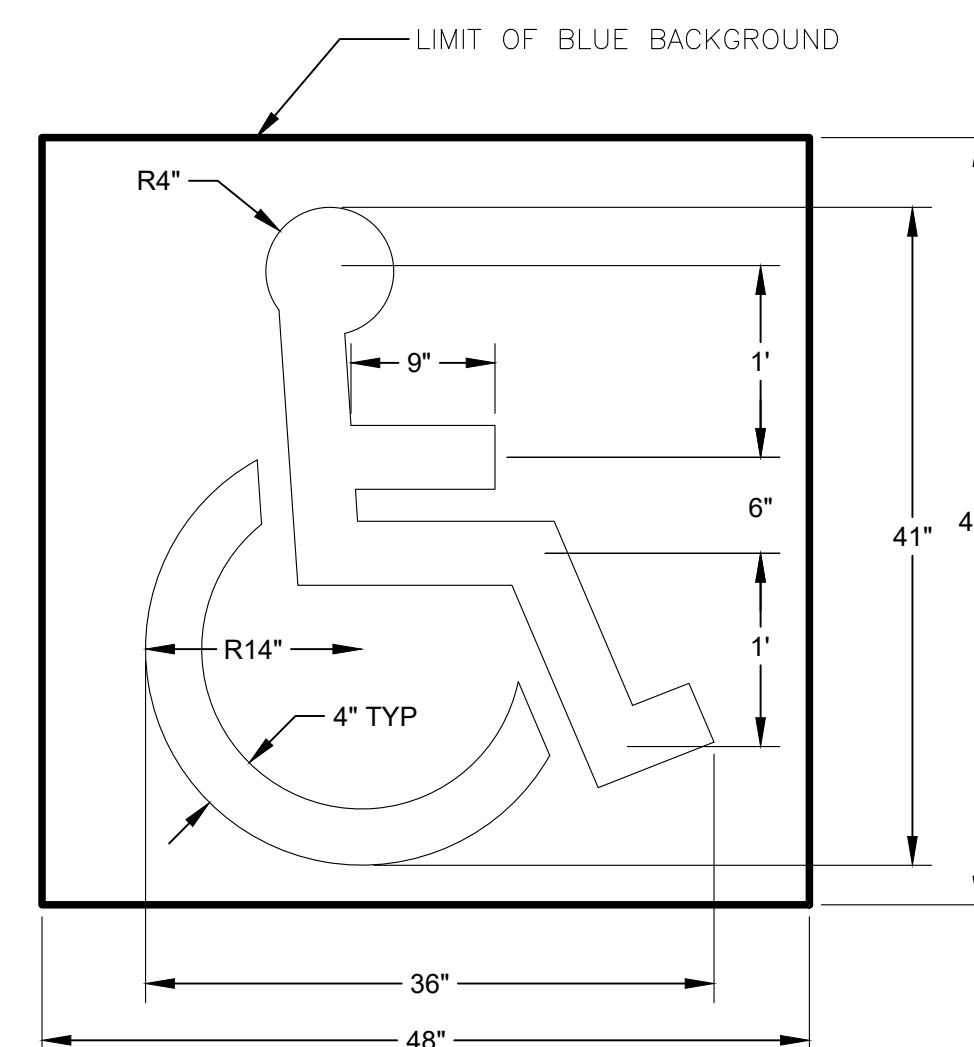
CROSSWALK MARKING WITH LONGITUDINAL LINES



CROSSWALK DETAIL

GENERAL NOTES:
1. TRANSVERSE CROSSWALK LINES SHALL BE SOLID WHITE LINES NOT LESS THAN 2" WIDE AND NOT LESS THAN 2' APART.

CROSSWALK DETAIL
NOT TO SCALE



NOTE:
1. SYMBOL TO CONFORM WITH FIGURE 3B.22 OF THE MUTCD (DEC. 2009) EXCEPT AS OTHERWISE INDICATED. REFER TO THE PAVEMENT MARKINGS NOTES ON THE SITE LAYOUT PLAN(S).
2. SYMBOL SHALL BE WHITE WITH A SOLID BLUE BACKGROUND.

ACCESSIBLE PARKING SYMBOL PAVEMENT MARKING
NOT TO SCALE

REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

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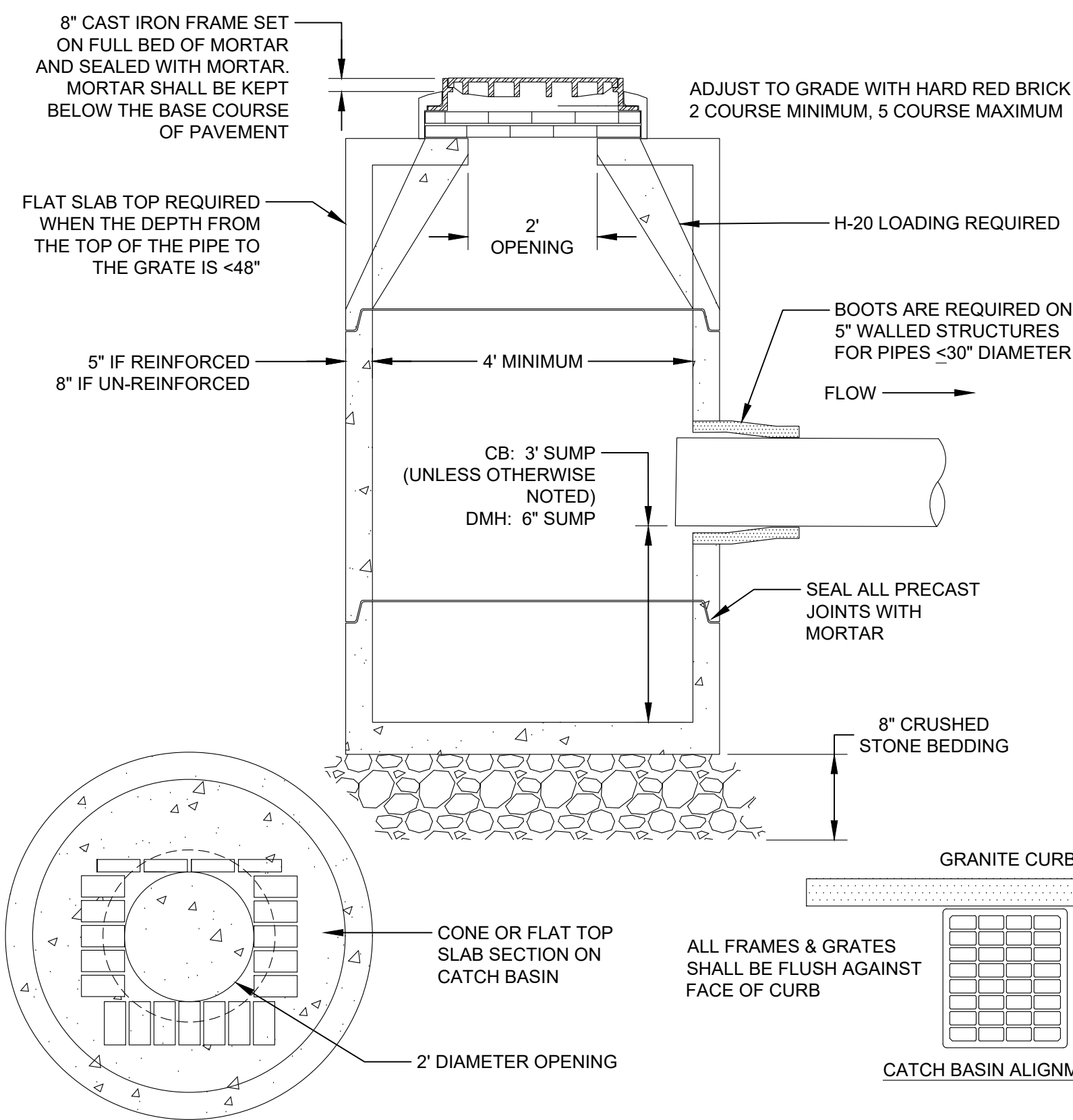
OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET
ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD
ALLENSTOWN, NH
MAP 410, LOT 12

DRAWING TITLE
CONSTRUCTION DETAILS

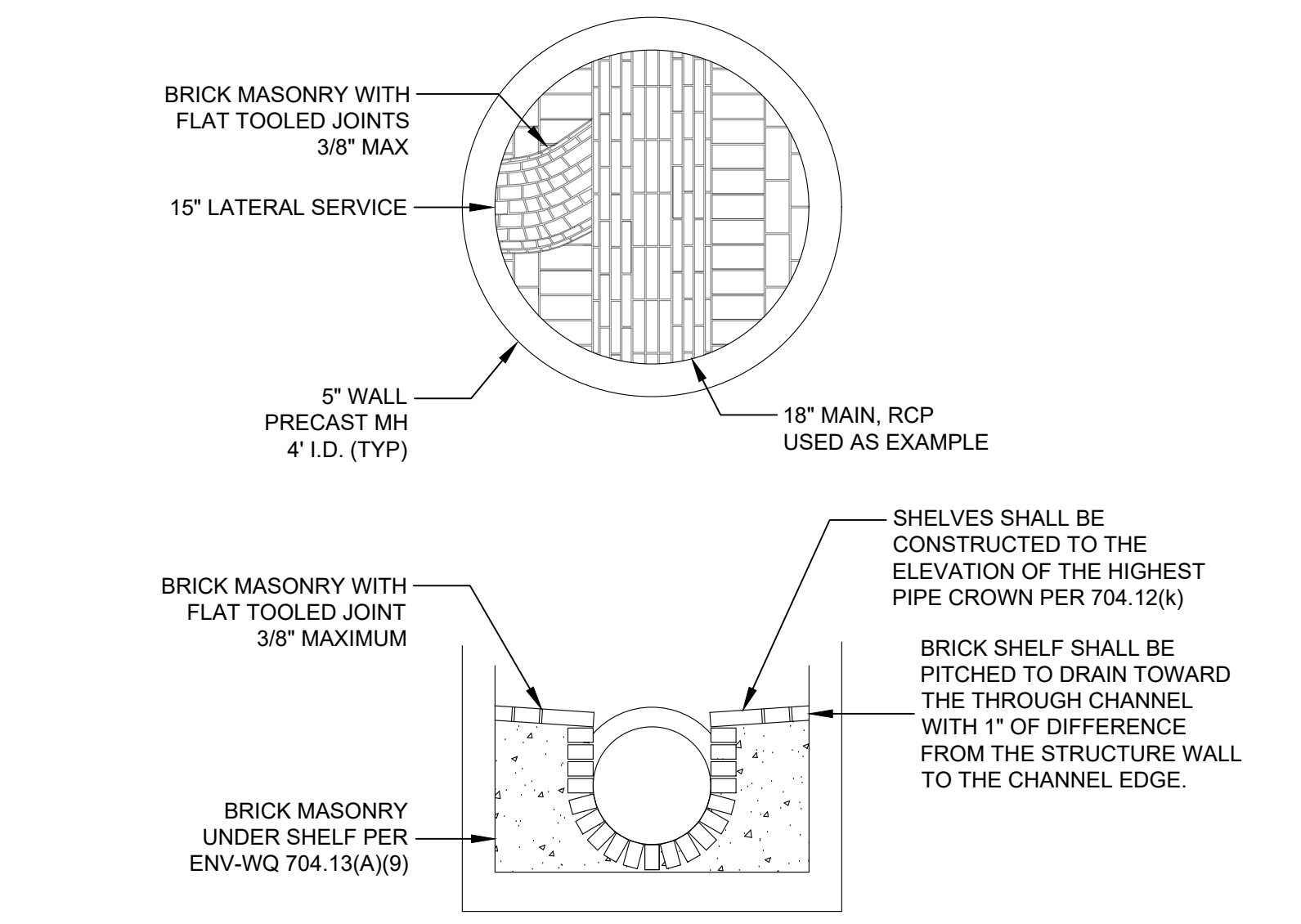
SCALE: N.T.S. DATE: 01/14/2022
DRAFTED BY: CDM CHECKED BY: ERL PROJECT MGR: ERL PROJECT NO.: THLT0001

STATE OF NEW HAMPSHIRE
ERIN R. LAMBERT
No. 11057
LICENSED PROFESSIONAL ENGINEER
C5.2
ENGINEER ERIN R. LAMBERT
NH P.E. #11057
SHEET NO. 16 OF 25



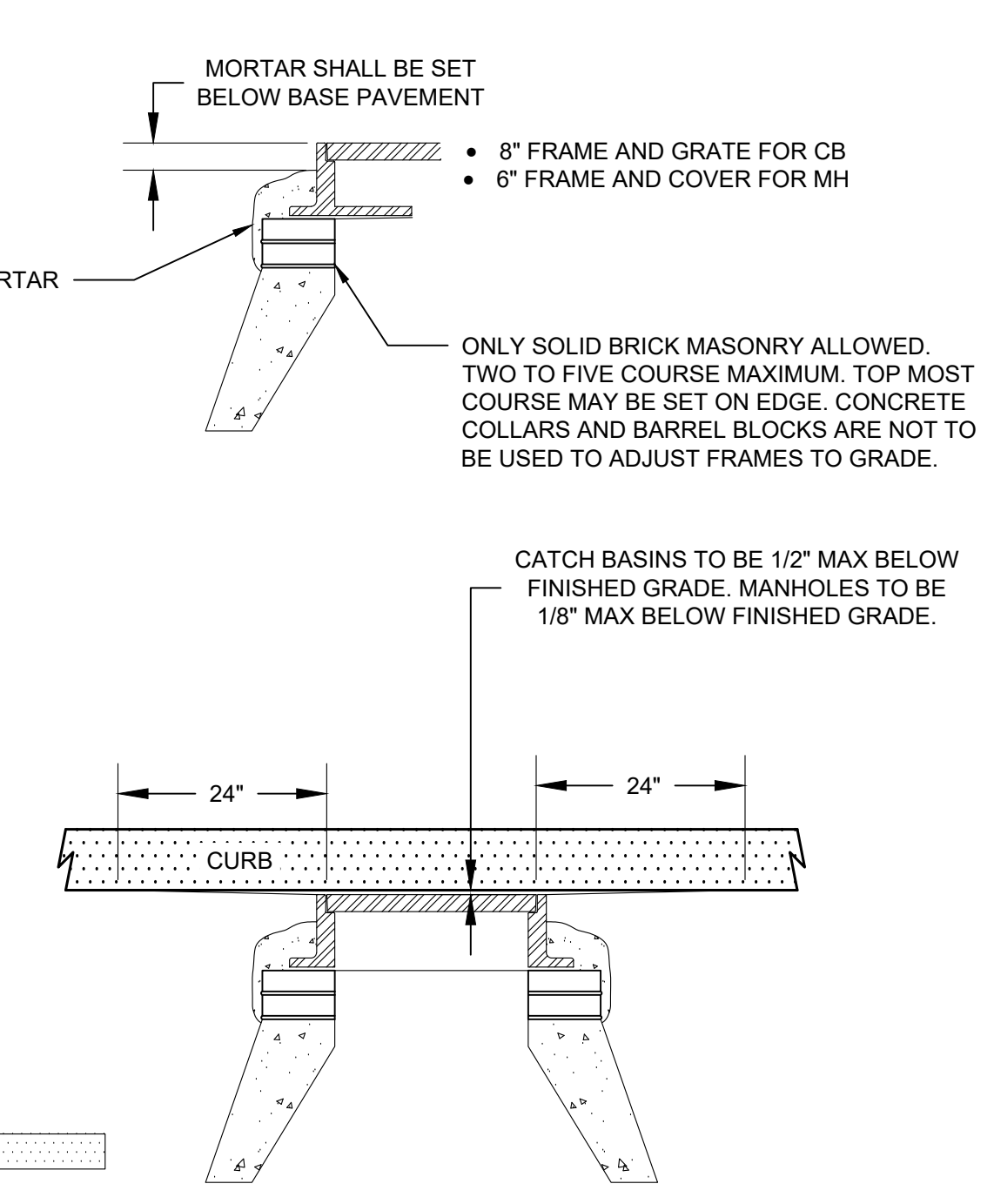
- NOTES:**
1. CONCRETE SHALL BE 4,000 PSI AFTER 28 DAYS.
 2. SEAL ALL PRECAST JOINTS WITH BITUMASTIC SEAL.
 3. LIFT HOLES AND BOOT RECESSES ARE TO BE SEALED WITH MORTAR FLUSH TO THE OUTSIDE STRUCTURE WALL PRIOR TO BACKFILLING.
 4. MINIMUM DEPTH FROM RIM TO INVERT OF THE HIGHEST PIPE SHALL BE:
12"Ø=3.7', 15"Ø=3.9', 18"Ø=4.2', 24"Ø=4.8', 30"Ø=5.3', 36"Ø=5.8'
 5. ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF INSIDE SURFACE BETWEEN HOLES. NO MORE THAN 75% OF A HORIZONTAL CROSS-SECTION SHALL BE HOLES AND THERE SHALL BE NO HOLES CLOSER THAN 3" TO JOINTS.
 6. MANHOLES AND TRAFFIC SIGNAL LOOPS SHALL BE SEPARATED BY A MINIMUM OF 2' TO ALLOW FOR MAINTENANCE OF STRUCTURE.
 7. THREE FLANGED FRAMES SHALL BE USED FOR INSTALLATIONS ADJACENT TO VERTICAL GRANITE CURB.
 8. NHDOT TYPE "F" GRATE REQUIRED FOR ROADWAYS HAVING SLOPES EQUAL TO OR GREATER THAN 3%. TYPE "F" SHALL BE BICYCLE SAFE.
 9. BRICK WORK SHALL BE RECTANGULAR AND CONFORM TO THE DIMENSIONS OF THE GRATE BEING USED. TYPE "B" GRATES SHALL BE ALIGNED WITH THE 22" DIMENSION AGAINST THE CURB.

CATCH BASIN / DROP INLET
NOT TO SCALE

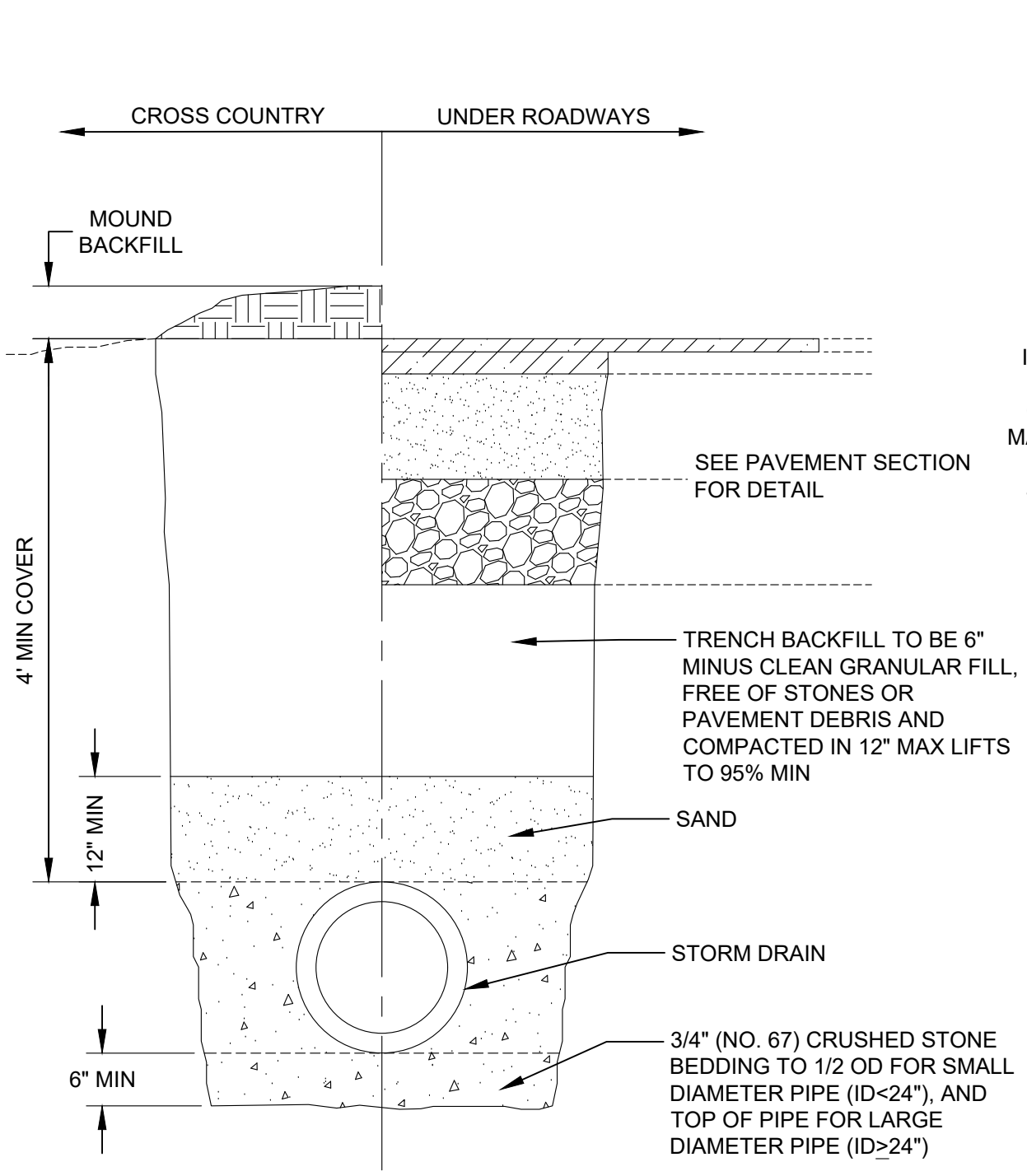
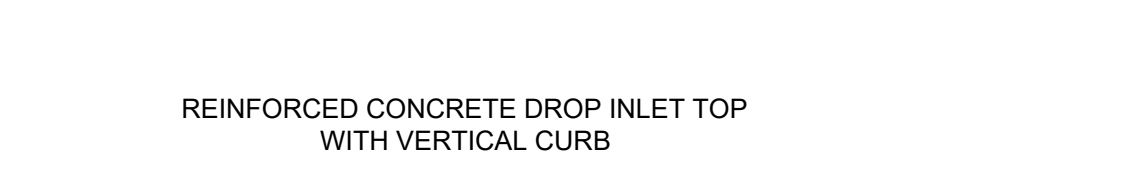


STORM DRAIN BRICK SHELF CONSTRUCTION
NOT TO SCALE

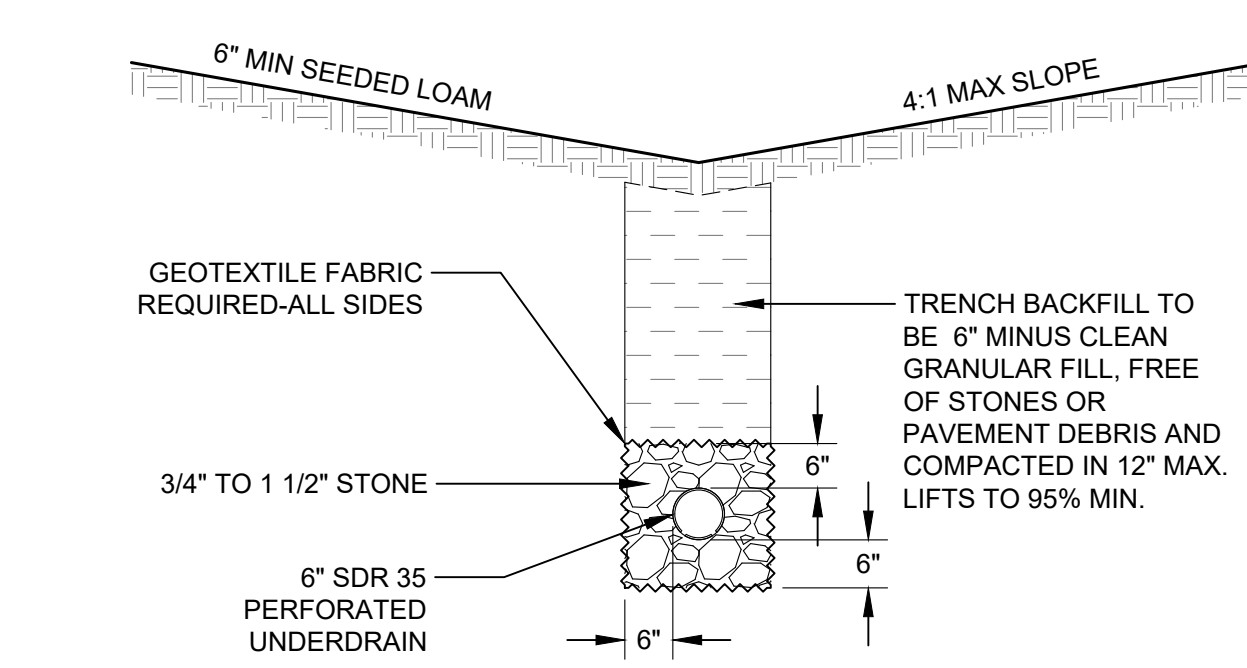
- NOTES:**
1. FOR 12" TO 15", CONSTRUCT INVERT THROUGH LOWER HALF OF PIPE
12" PIPE - 9 BRICK MINIMUM
15" PIPE - 11 BRICK MINIMUM
 2. FOR MAINS GREATER THAN 15", CONSTRUCT INVERT TO TOP OF PIPE
 3. MAINTAIN TROUGH WIDTH THROUGH STRUCTURE
 4. TYPICAL BRICK, ASTM DESIGNATION: C321-93



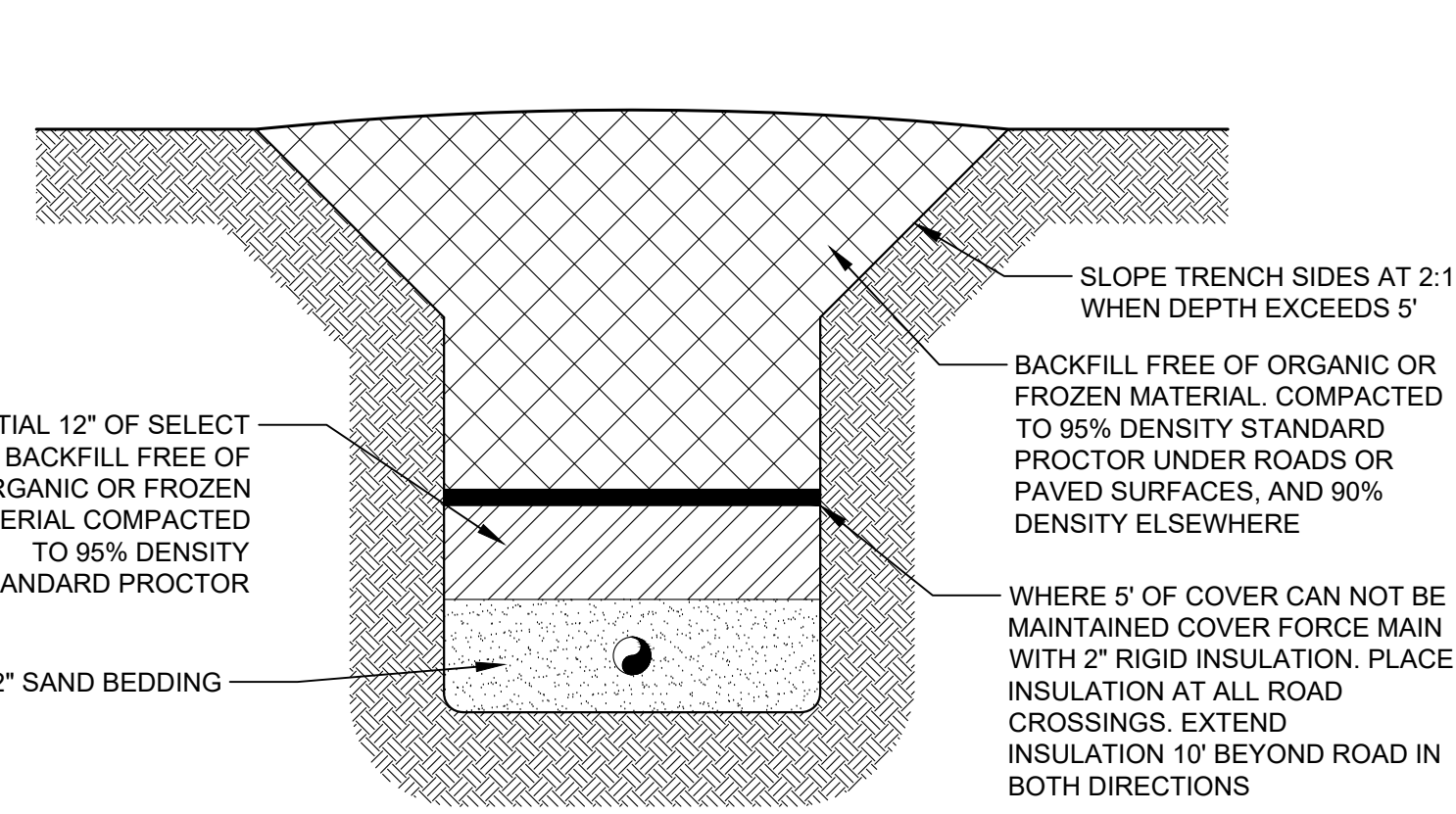
ADJUSTING FRAMES TO GRADE
NOT TO SCALE



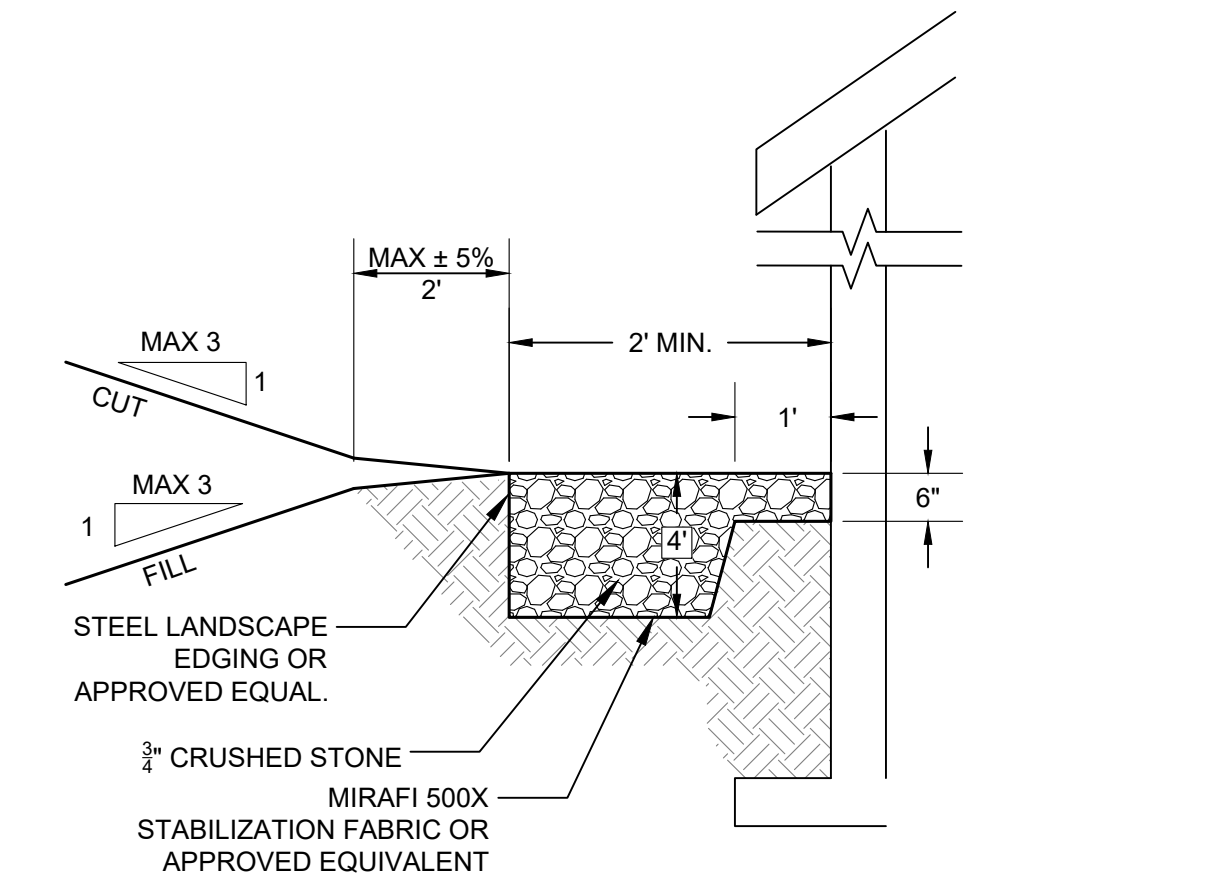
STORM DRAIN TRENCH
NOT TO SCALE



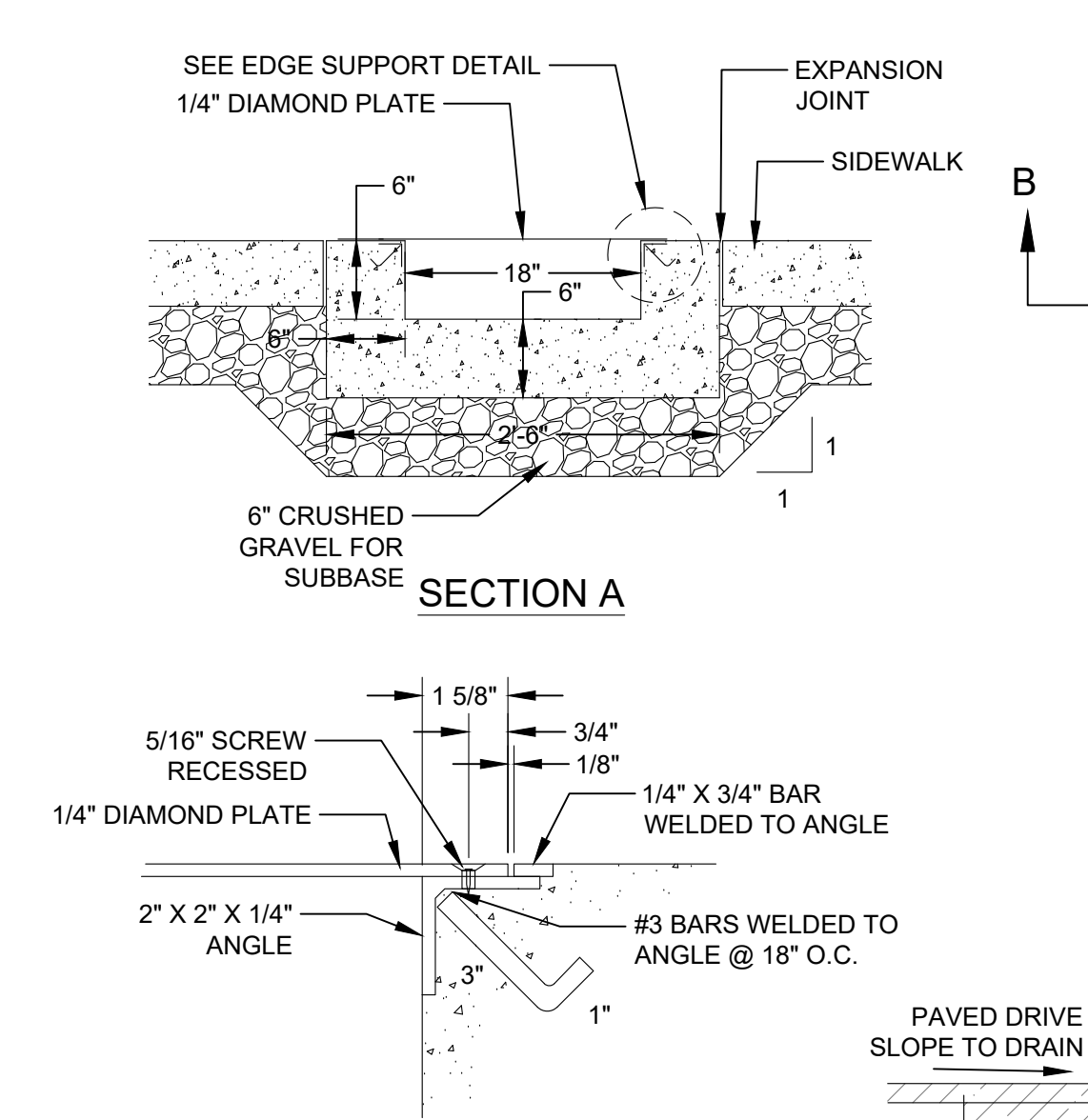
INFILTRATION TRENCH
NOT TO SCALE



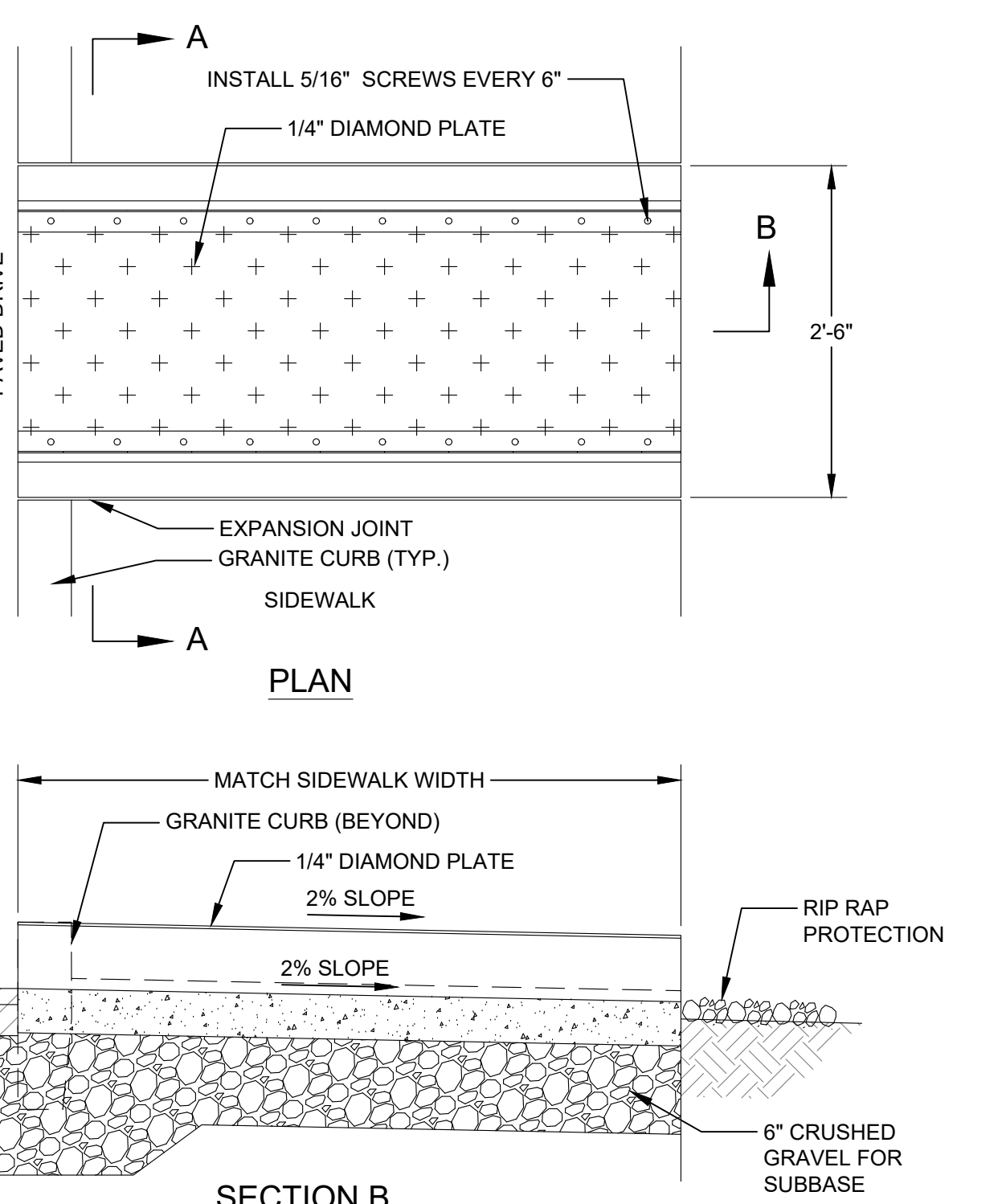
FORCE MAIN TRENCH
NOT TO SCALE



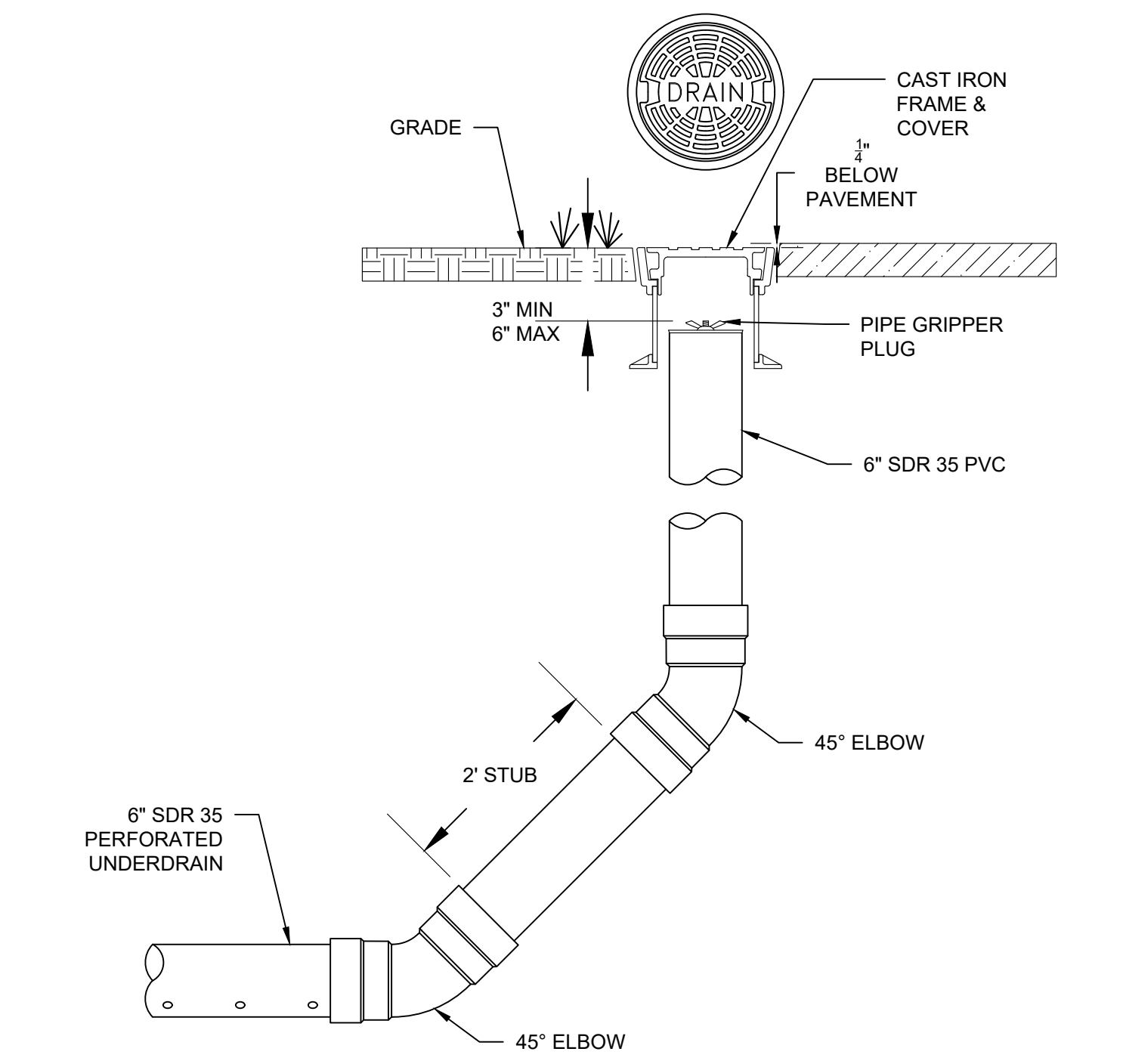
INFILTRATION DRIP EDGE
NOT TO SCALE



EDGE SUPPORT DETAIL



SIDEWALK CROSS DRAIN DETAIL
NOT TO SCALE



UNDERDRAIN CLEANOUT
NOT TO SCALE

ISSUED FOR

BIDDING

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OWNER

ALLENSTOWN SCHOOL DISTRICT

30 MAIN STREET
ALLENSTOWN, NH

NEW ALLENSTOWN K-8 SCHOOL

RIVER ROAD
ALLENSTOWN, NH

MAP 410, LOT 12

CONSTRUCTION DETAILS

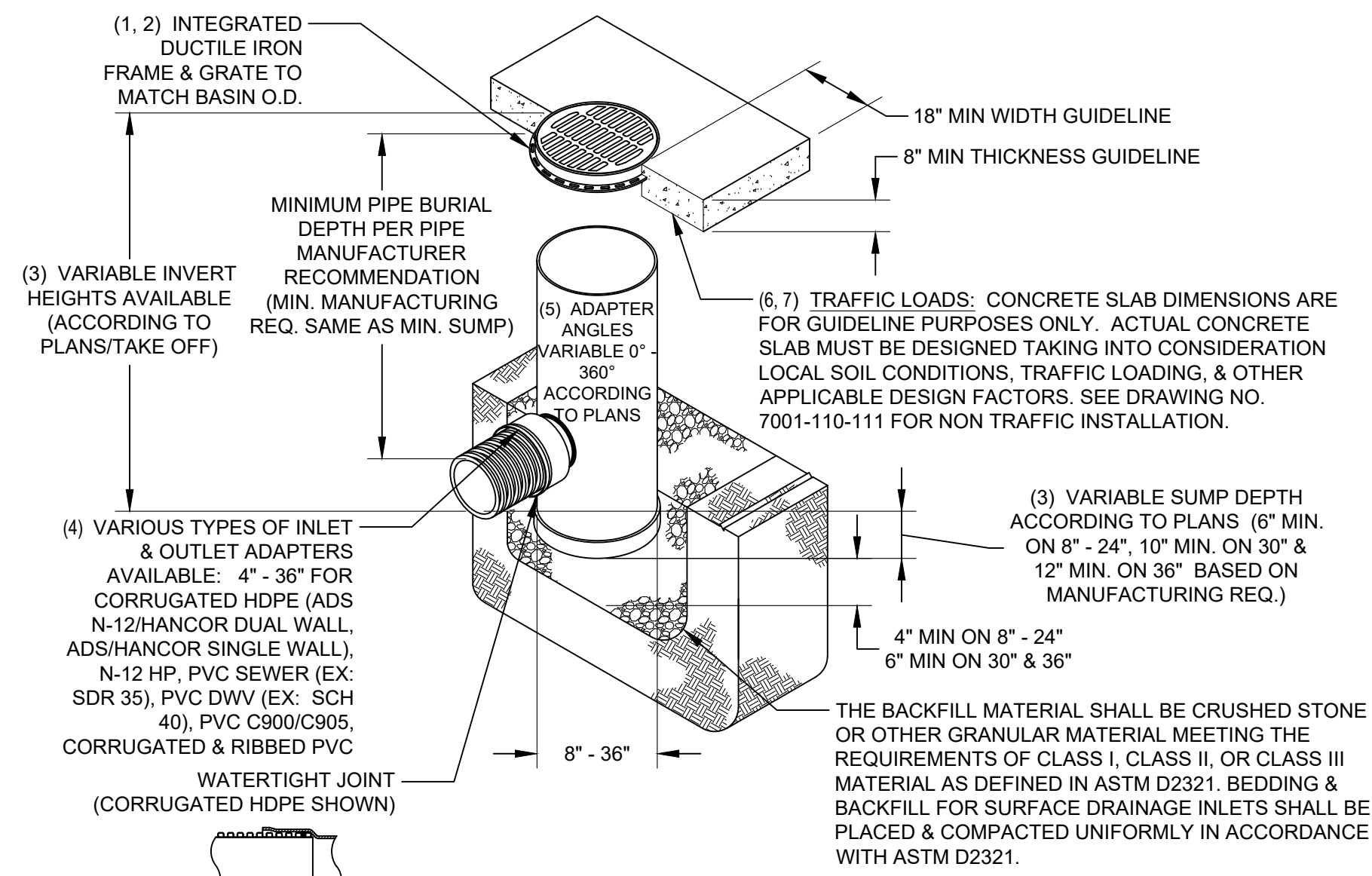
SCALE: N.T.S. DATE: 01/14/2022

DRAFTED BY: CDM CHECKED BY: ERL PROJECT MGR: ERL PROJECT NO.: THLT0001

SHEET NO.

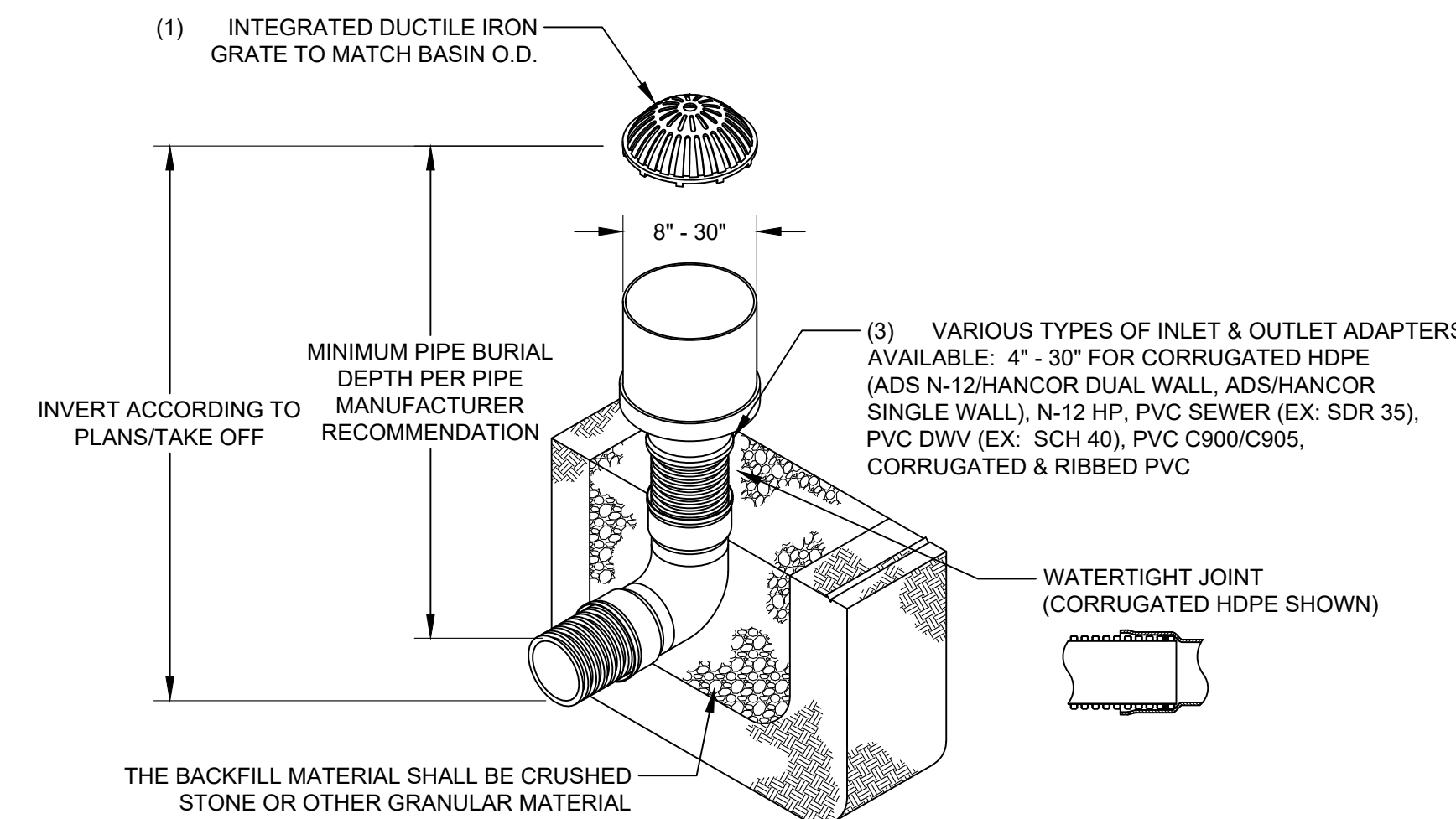
C5.3

REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)



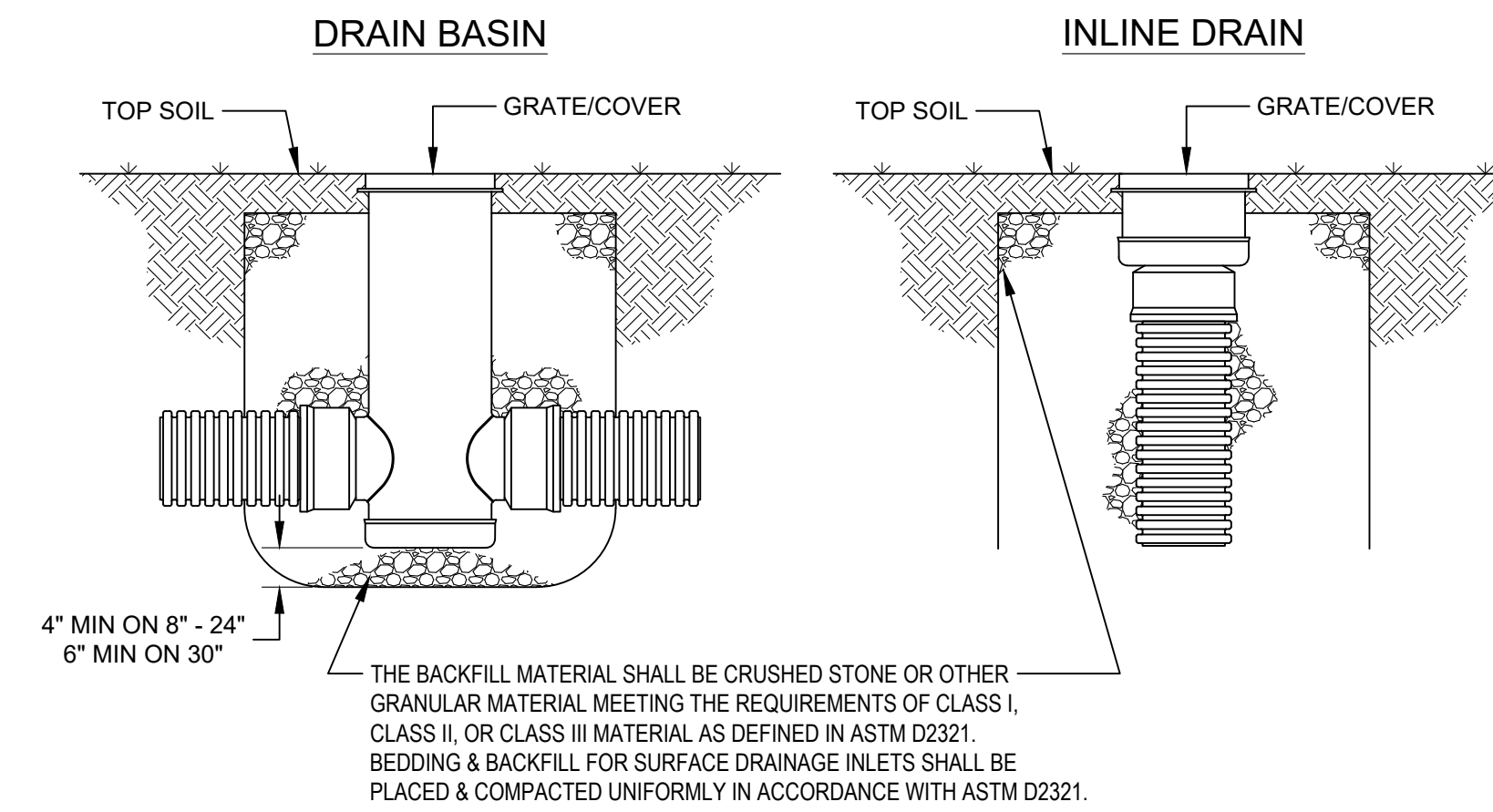
- 1 - 8" - 30" STANDARD GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 2 - 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05. 8" & 10" STANDARD GRATES FIT DIRECTLY ONTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP. SEE DRAWING NO. 7001-110-045.
- 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
- 4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 36").
- 5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
- 6 - 12" - 30" STANDARD GRATES SHALL MEET H-20 LOAD RATING.
- 7 - 8" & 10" STANDARD GRATES ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY; NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

TYPICAL NYLOPLAST DRAIN BASIN WITH STANDARD GRATE
NOT TO SCALE

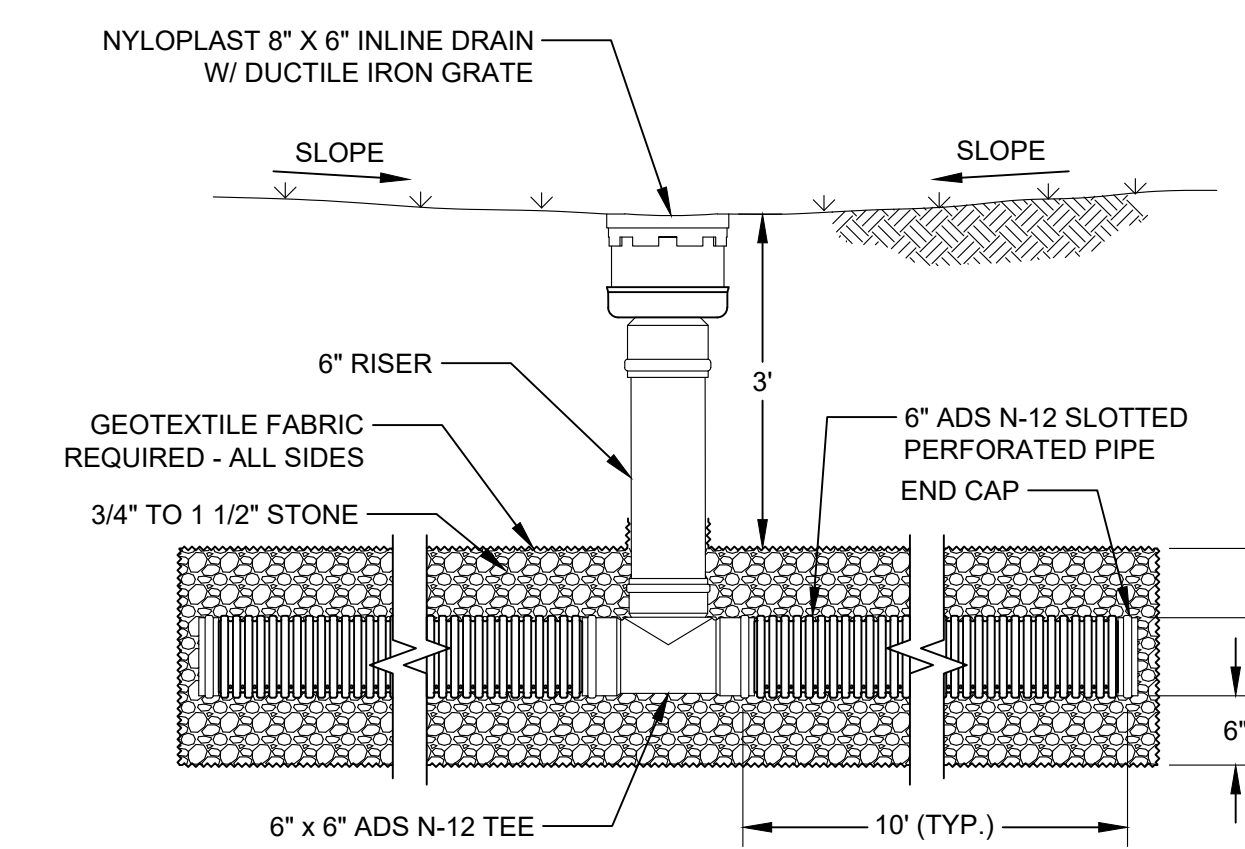


- THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.
- 1 - 8" - 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
 - 2 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").
 - 3 - 8" - 30" DOME GRATES HAVE NO LOAD RATING

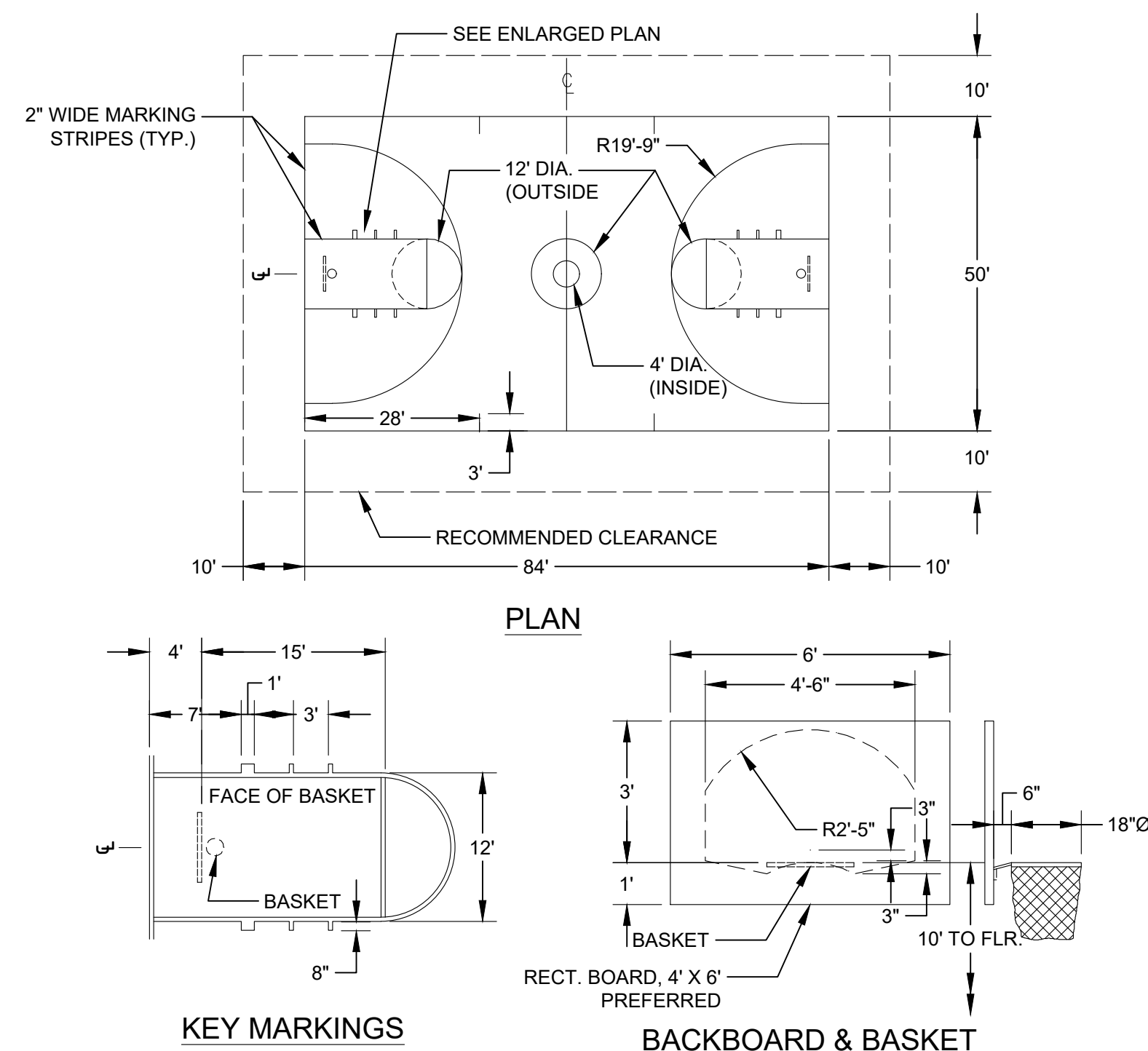
TYPICAL NYLOPLAST INLINE DRAIN WITH DOME GRATE
NOT TO SCALE



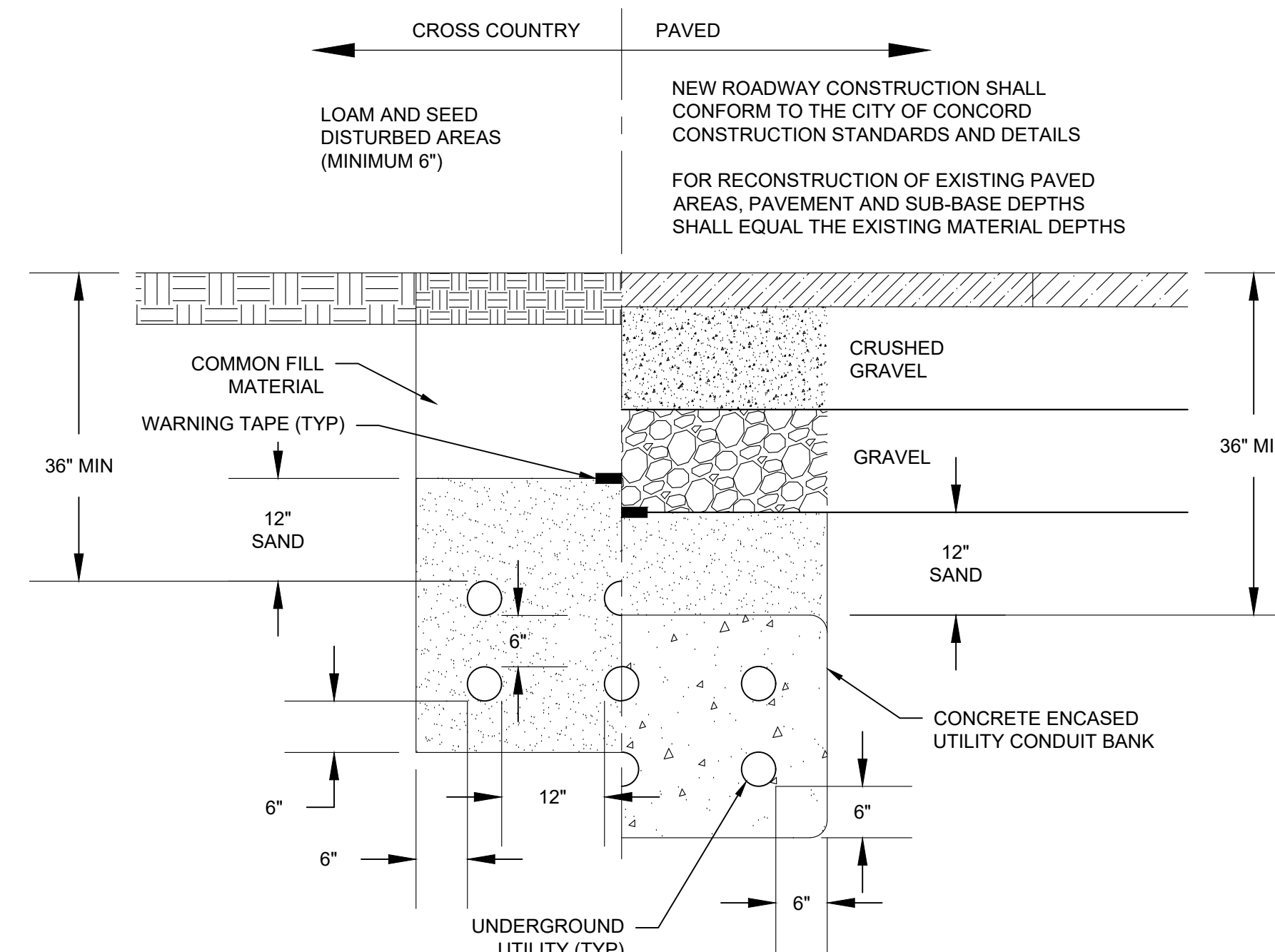
TYPICAL NYLOPLAST DRAIN BASIN & INLINE DRAIN NON TRAFFIC INSTALLATION
NOT TO SCALE



FIELD INLET INFILTRATION DETAIL
NOT TO SCALE



BASKETBALL COURT LAYOUT
NOT TO SCALE

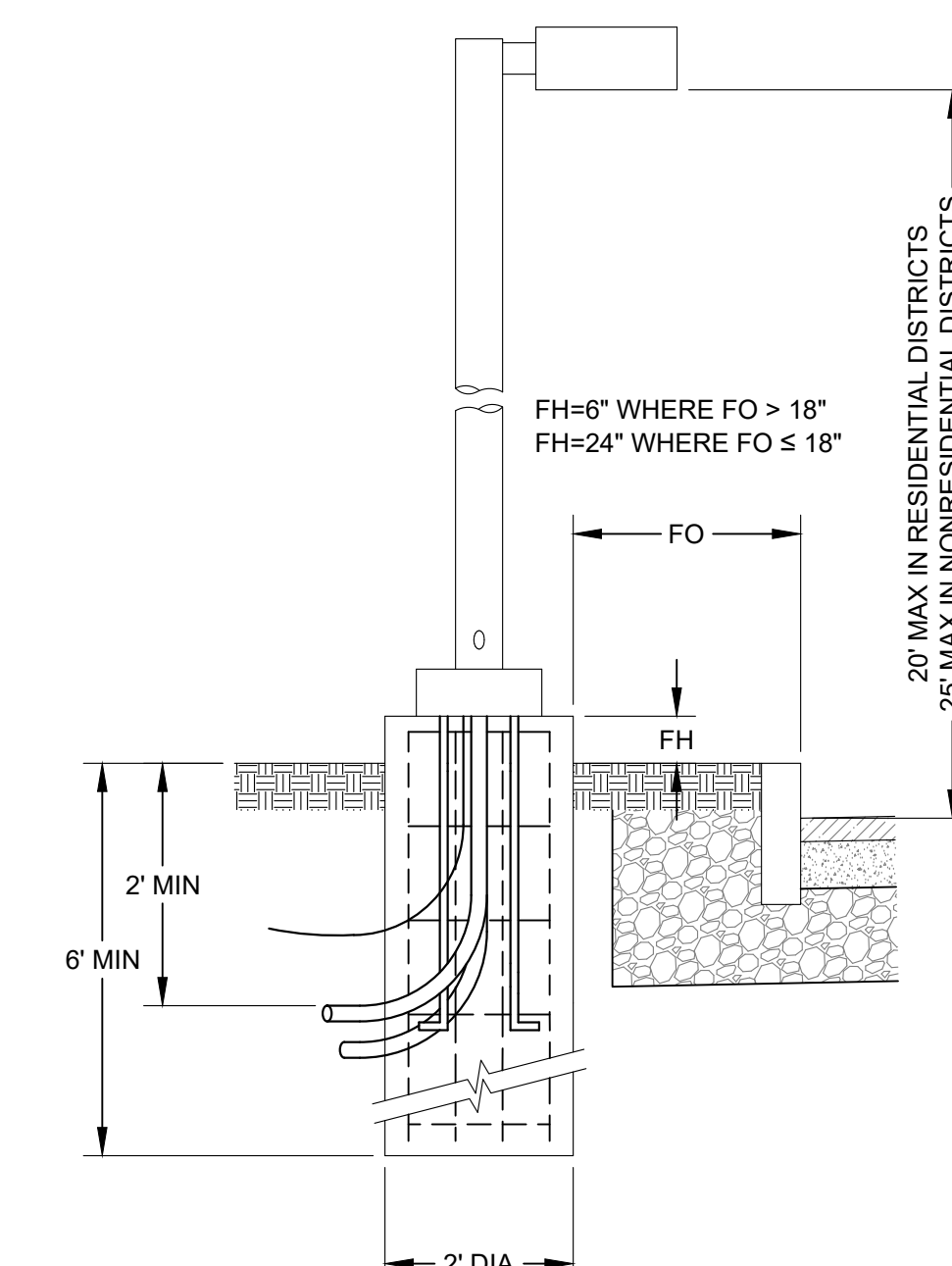


UNDERGROUND CONDUIT INSTALLATIONS SHALL BE COORDINATED WITH ALL LOCAL UTILITIES INCLUDING ELECTRIC, TELEPHONE, GAS, CABLE, STEAM, AND CITY OF CONCORD FIRE ALARM/SIGNAL AND ENGINEERING SERVICES DIVISIONS.

CONDUIT CROSSINGS SHALL BE SWEEPS AT RIGHT ANGLES TO THE STREET. 90° BENDS ARE NOT ACCEPTABLE

PROPOSED CONDUITS WITHIN PAVED SECTIONS OF STREETS SHALL BE RIGID METAL OR SCH 80 PVC CONDUIT. WHEN THE PROPER DEPTH CANNOT BE ACHIEVED, SCH 40 PVC CONDUIT ENCASED IN CONCRETE SHALL BE USED.

TYPICAL UTILITY CONDUIT INSTALLATION
NOT TO SCALE



LIGHT POLE BASE DETAIL
NOT TO SCALE

THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USERS RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.

BIDDING

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET
ALLENSTOWN, NH

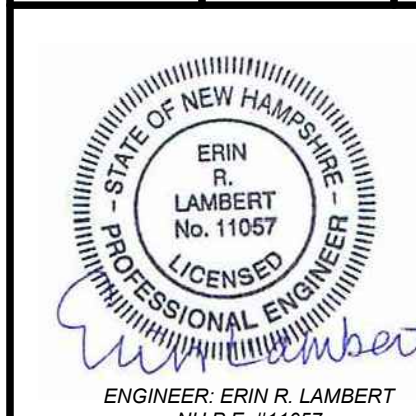
NEW ALLENSTOWN K-8 SCHOOL

**RIVER ROAD
ALLENSTOWN, NH**

MAP 410, LOT 12

CONSTRUCTION DETAILS

SCALE	N.T.S.	DATE	01/14/2022
DRAFTED BY	CDM	PROJECT MGR	ERL
CHECKED BY	ERL	PROJECT NO.	THLT0001



C5.4

REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

ISSUED FOR

BIDDING

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OWNER

ALLENSTOWN SCHOOL DISTRICT

**30 MAIN STREET
ALLENSTOWN, NH**

SITE

NEW ALLENSTOWN K-8 SCHOOL

**RIVER ROAD
ALLENSTOWN, NH**

MAP 410, LOT 12

DRAWING TITLE

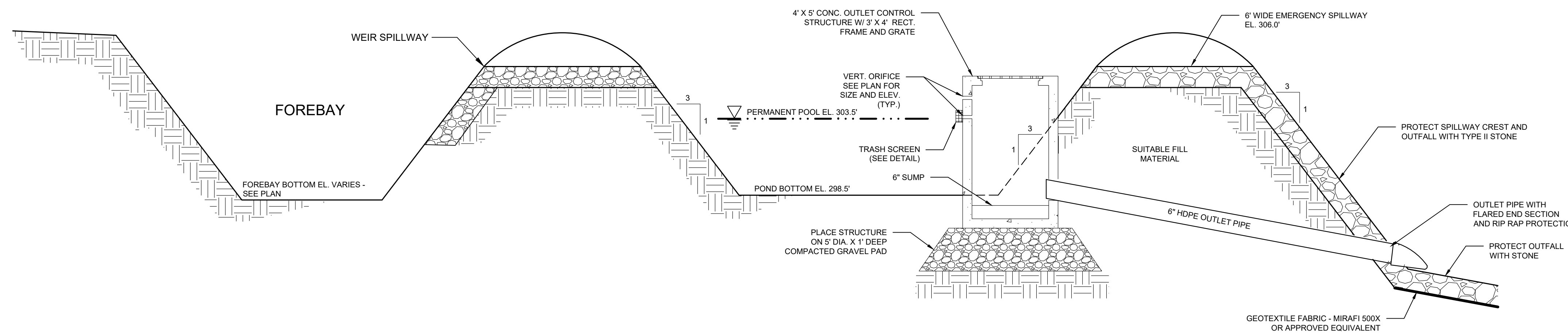
CONSTRUCTION DETAILS

SCALE	N.T.S.	DATE	01/14/2022
DRAFTED BY	CDM	CHECKED BY	ERL
PROJECT MGR	ERL	PROJECT NO.	THLT0001
SHEET NO.			

STATE OF NEW HAMPSHIRE
ERIN R. LAMBERT
No. 11057
LICENSED ENGINEER
Erin R. Lambert
ENGINEER ERIN R. LAMBERT
NH P.E. #11057

C5.5

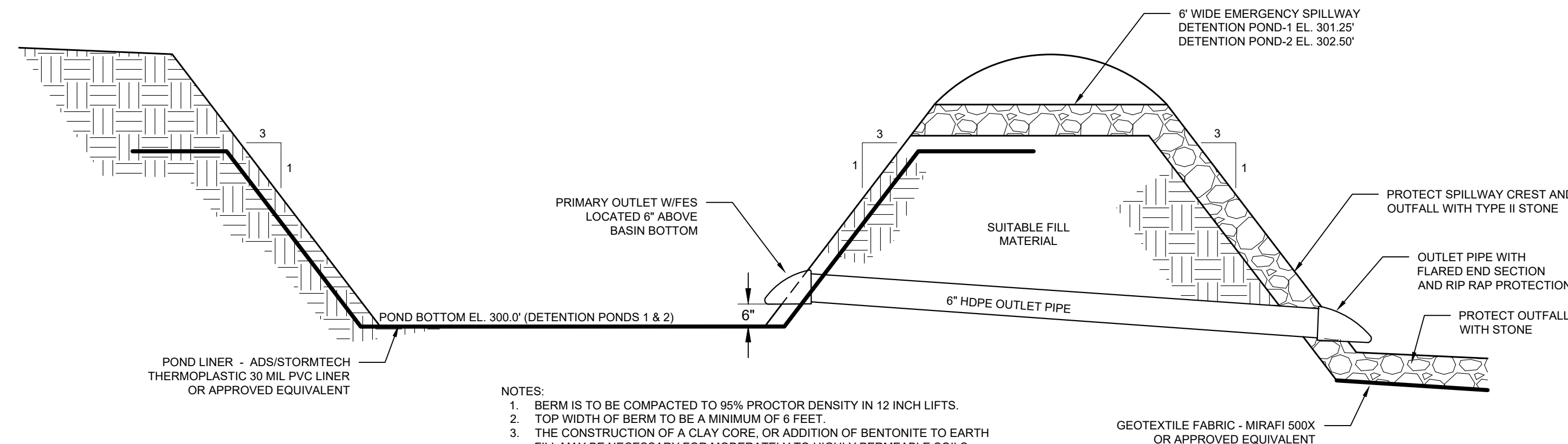
19 OF 25



- NOTES:
1. BERM IS TO BE COMPACTED TO 95% PROCTOR DENSITY IN 12 INCH LIFTS.
2. THE CONSTRUCTION OF A CLAY CORE, OR ADDITION OF BENTONITE TO EARTH FILL MAY BE NECESSARY FOR MODERATELY TO HIGHLY PERMEABLE SOILS.

**WET POND DETAIL
WET POND 1**

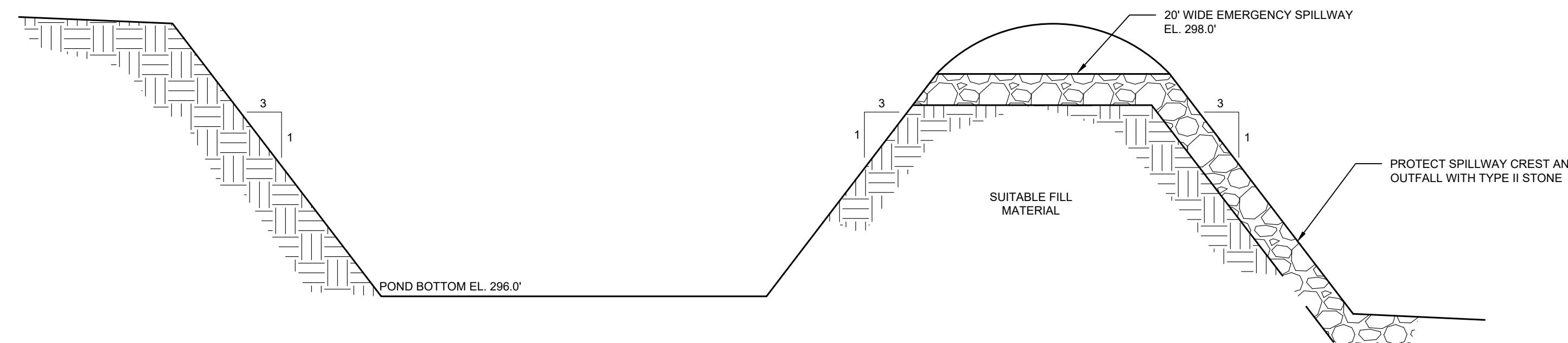
NOT TO SCALE



- NOTES:
1. BERM IS TO BE COMPACTED TO 95% PROCTOR DENSITY IN 12 INCH LIFTS.
2. TOP WIDTH OF BERM TO BE A MINIMUM OF 6 FEET.
3. THE CONSTRUCTION OF A CLAY CORE, OR ADDITION OF BENTONITE TO EARTH FILL MAY BE NECESSARY FOR MODERATELY TO HIGHLY PERMEABLE SOILS.

**DETENTION POND DETAIL
DETENTION PONDS 1 & 2**

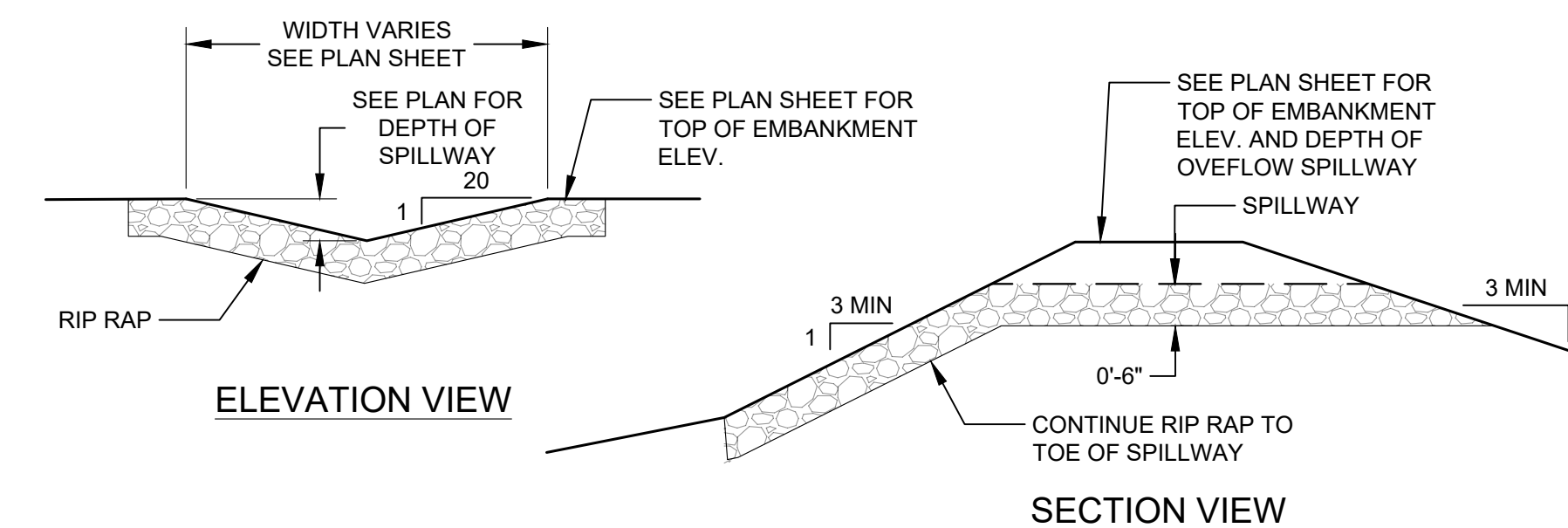
NOT TO SCALE



- NOTES:
1. BERM IS TO BE COMPACTED TO 95% PROCTOR DENSITY IN 12 INCH LIFTS.
2. TOP WIDTH OF BERM TO BE A MINIMUM OF 6 FEET.
3. THE CONSTRUCTION OF A CLAY CORE, OR ADDITION OF BENTONITE TO EARTH FILL MAY BE NECESSARY FOR MODERATELY TO HIGHLY PERMEABLE SOILS.

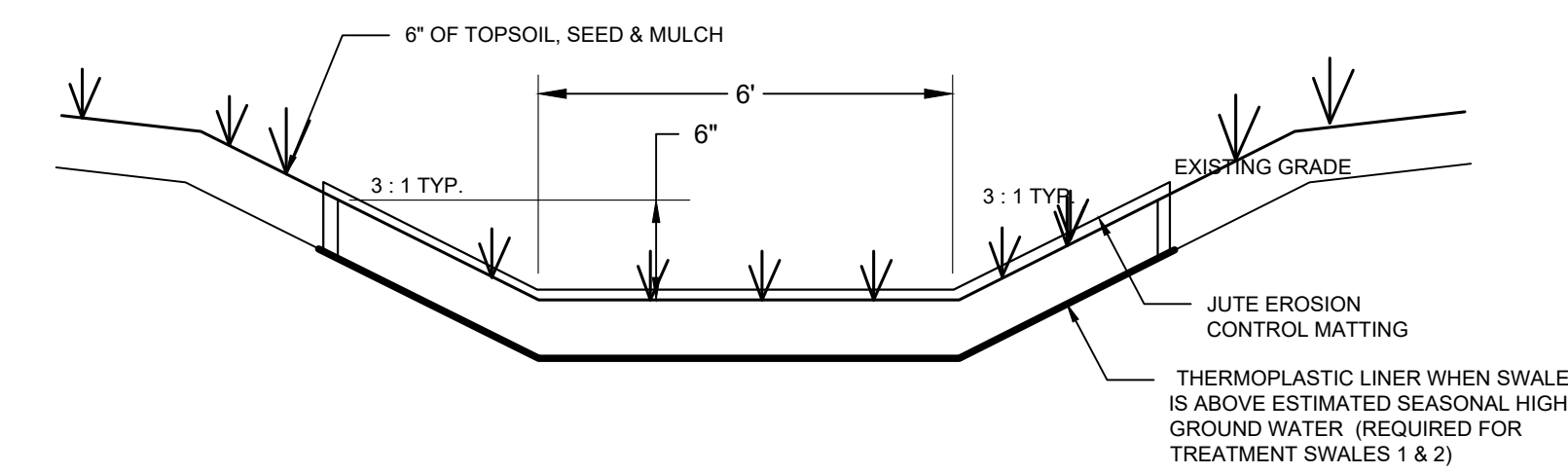
**PLUNGE POOL DETAIL
PLUNGE POOL 1**

NOT TO SCALE



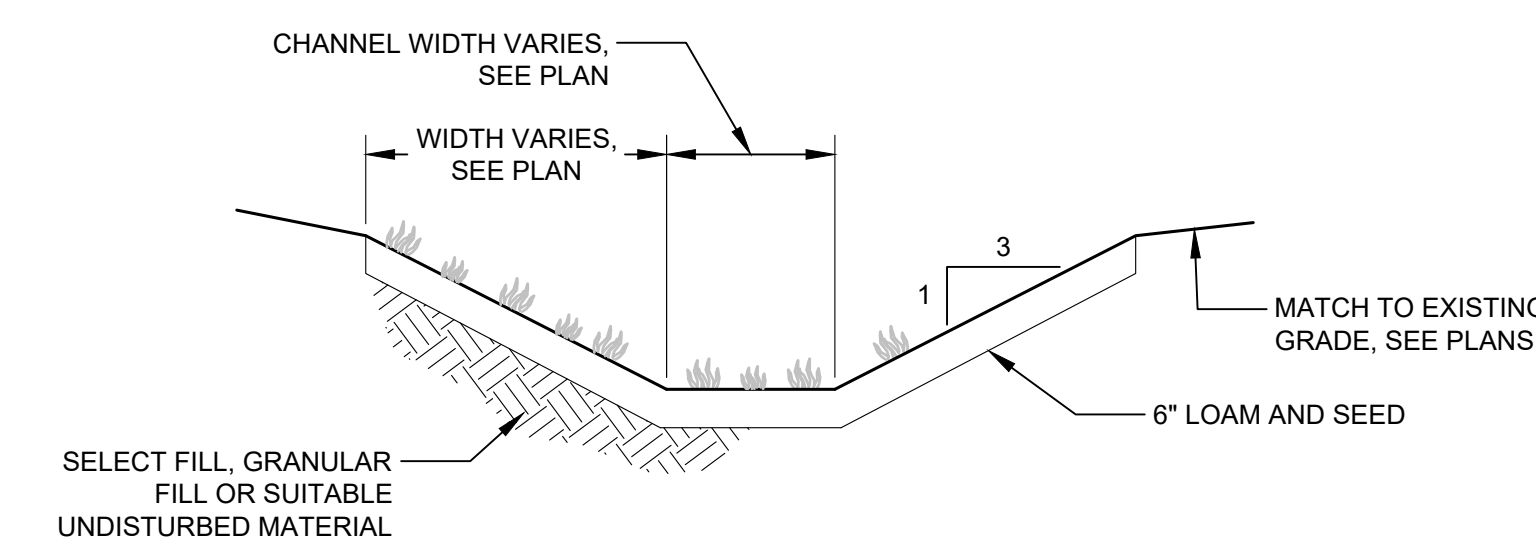
TYPICAL WEIR SPILLWAY

NOT TO SCALE



GRASS LINED TREATMENT SWALE

NOT TO SCALE



GRASS LINED SWALE DETAIL

NOT TO SCALE

REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

ISSUED FOR
BIDDING

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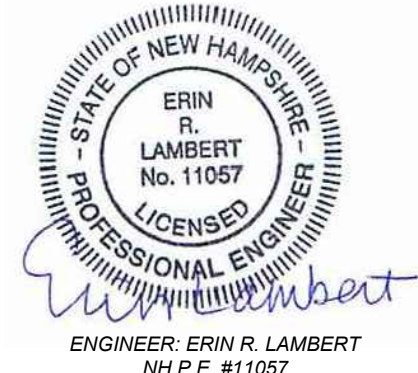
OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD ALLENSTOWN, NH
MAP 410, LOT 12

DRAWING TITLE
CONSTRUCTION DETAILS

SCALE	N.T.S.	DATE	01/14/2022
DRAFTED BY	CDM	CHECKED BY	ERL
PROJECT MGR	ERL	PROJECT NO.	THLT0001

SHEET NO.
C5.6
20 OF 25



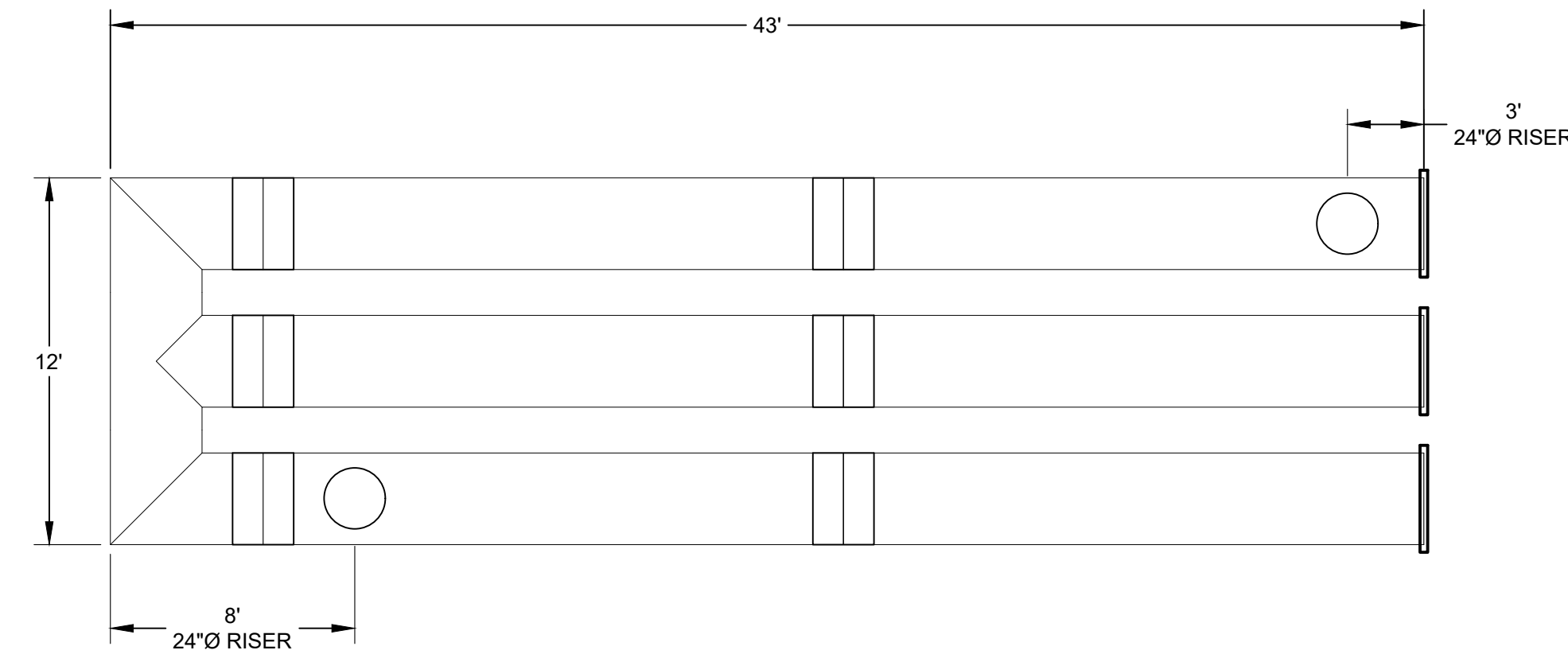
PROJECT SUMMARY

CALCULATION DETAILS
• LOADING = HS20 & HS25
• APPROX. LINEAR FOOTAGE = 132 ft.

STORAGE SUMMARY
• STORAGE VOLUME REQUIRED = N/A
• PIPE STORAGE VOLUME = 933 cf.
• BACKFILL STORAGE VOLUME = 0 cf.
• TOTAL STORAGE PROVIDED = 941 cf.

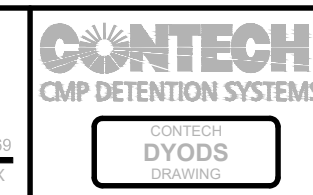
PIPE DETAILS
• DIAMETER = 36 IN.
• CORRUGATION = 2 2/3x1/2
• GAGE = 16
• COATING = ALT2
• WALL TYPE = Solid
• BARRELL SPACING = 18 IN.

BACKFILL DETAILS
• WIDTH AT ENDS = 12 IN.
• ABOVE PIPE = 0 IN.
• WIDTH AT SIDES = 12 IN.
• BELOW PIPE = 0 IN.



NOTES
• ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
• ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
• ALL RISERS AND STUBS ARE 2 1/2" x 1/2" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
• RISERS TO BE FIELD TRIMMED TO GRADE.
• QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
• BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
• THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN. QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
• THESE DRAWINGS ARE FOR CONCEPTUAL PURPOSES AND DO NOT REFLECT ANY LOCAL PREFERENCES OR REGULATIONS. PLEASE CONTACT YOUR LOCAL CONTECH REP FOR MODIFICATIONS.

ASSEMBLY
SCALE: 1" = 5'



DYO11790 Allenstown School
DETENTION SYSTEM 1
Suncook, NH
DETENTION SYSTEM

7351	11790	1/12/2022
DYO	DYO	
DYO	DYO	

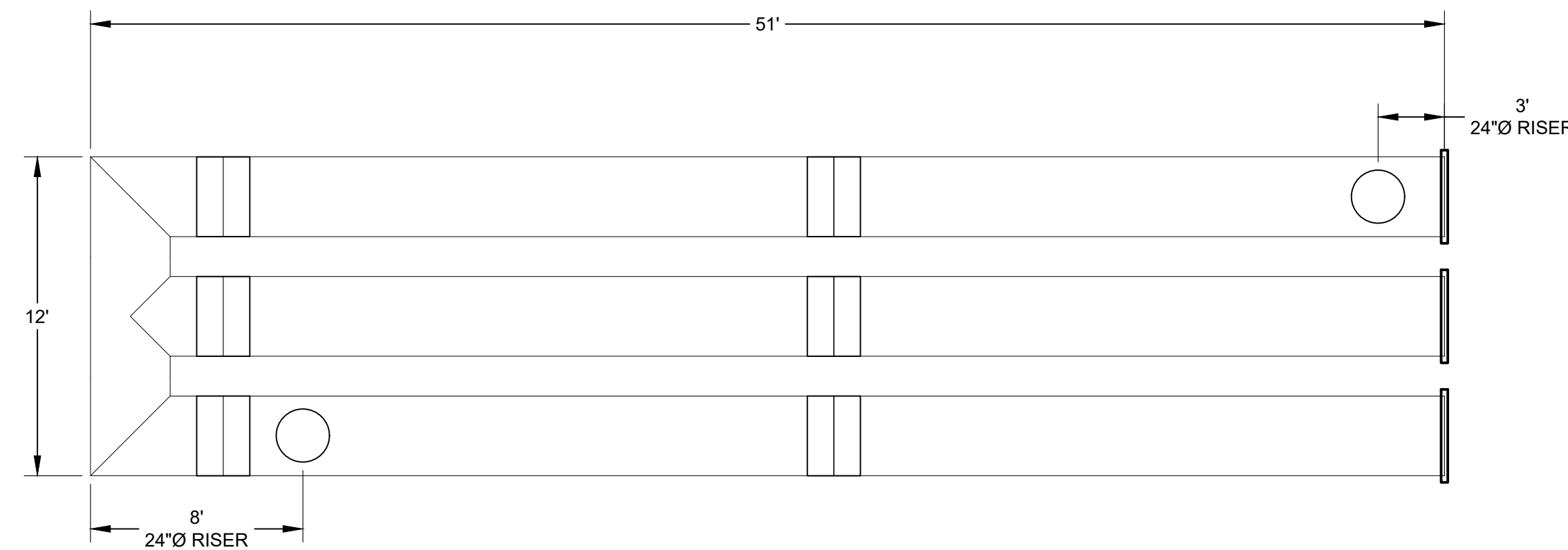
PROJECT SUMMARY

CALCULATION DETAILS
• LOADING = HS20 & HS25
• APPROX. LINEAR FOOTAGE = 156 ft.

STORAGE SUMMARY
• STORAGE VOLUME REQUIRED = N/A
• PIPE STORAGE VOLUME = 1,103 cf.
• BACKFILL STORAGE VOLUME = 0 cf.
• TOTAL STORAGE PROVIDED = 1,103 cf.

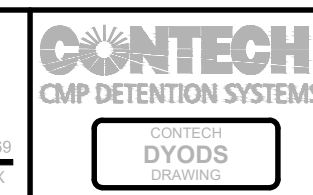
PIPE DETAILS
• DIAMETER = 36 IN.
• CORRUGATION = 2 2/3x1/2
• GAGE = 16
• COATING = ALT2
• WALL TYPE = Solid
• BARRELL SPACING = 18 IN.

BACKFILL DETAILS
• WIDTH AT ENDS = 12 IN.
• ABOVE PIPE = 0 IN.
• WIDTH AT SIDES = 12 IN.
• BELOW PIPE = 0 IN.



NOTES
• ALL RISER AND STUB DIMENSIONS ARE TO CENTERLINE. ALL ELEVATIONS, DIMENSIONS, AND LOCATIONS OF RISERS AND INLETS, SHALL BE VERIFIED BY THE ENGINEER OF RECORD PRIOR TO RELEASING FOR FABRICATION.
• ALL FITTINGS AND REINFORCEMENT COMPLY WITH ASTM A998.
• ALL RISERS AND STUBS ARE 2 1/2" x 1/2" CORRUGATION AND 16 GAGE UNLESS OTHERWISE NOTED.
• RISERS TO BE FIELD TRIMMED TO GRADE.
• QUANTITY OF PIPE SHOWN DOES NOT PROVIDE EXTRA PIPE FOR CONNECTING THE SYSTEM TO EXISTING PIPE OR DRAINAGE STRUCTURES. OUR SYSTEM AS DETAILED PROVIDES NOMINAL INLET AND/OR OUTLET PIPE STUB FOR CONNECTION TO EXISTING DRAINAGE FACILITIES. IF ADDITIONAL PIPE IS NEEDED IT IS THE RESPONSIBILITY OF THE CONTRACTOR.
• BAND TYPE TO BE DETERMINED UPON FINAL DESIGN.
• THE PROJECT SUMMARY IS REFLECTIVE OF THE DYODS DESIGN. QUANTITIES ARE APPROX. AND SHOULD BE VERIFIED UPON FINAL DESIGN AND APPROVAL. FOR EXAMPLE, TOTAL EXCAVATION DOES NOT CONSIDER ALL VARIABLES SUCH AS SHORING AND ONLY ACCOUNTS FOR MATERIAL WITHIN THE ESTIMATED EXCAVATION FOOTPRINT.
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ASSEMBLY
SCALE: 1" = 5'



DYO11791 Allenstown School
DETENTION SYSTEM 2
Suncook, NH
DETENTION SYSTEM

7351	11791	1/12/2022
DYO	DYO	
DYO	DYO	

REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

ISSUED FOR

BIDDING

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OWNER

**ALLENSTOWN
SCHOOL DISTRICT**

**30 MAIN STREET
ALLENSTOWN, NH**

SITE

**NEW ALLENSTOWN
K-8 SCHOOL**

**RIVER ROAD
ALLENSTOWN, NH**

MAP 410, LOT 12

DRAWING TITLE

**CONSTRUCTION
DETAILS**

SCALE	N.T.S.	DATE	01/14/2022
DRAFTED BY	CDM	CHECKED BY	ERL
PROJECT MGR	ERL	PROJECT NO.	THLT0001

SHEET NO.

C5.8

22 OF 25

STATE OF NEW HAMPSHIRE
ERIN R. LAMBERT
No. 11057
PROFESSIONAL ENGINEER
LICENSED

ENGINEER: ERIN R. LAMBERT
NH P.E. #11057

STORMFILTER DESIGN NOTES

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD VAULT STYLE IS SHOWN WITH THE MAXIMUM NUMBER OF CARTRIDGES (12). VAULT STYLE OPTIONS INCLUDE OUTLET BAY (7), STORMFILTER 8X6 PEAK HYDRAULIC CAPACITY IS 1.8 CFS. IF THE SITE CONDITIONS EXCEED 1.8 CFS AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION	27"	18"	LOW DROP
RECOMMENDED HYDRAULIC DROP (H)	3.05'	2.3'	1.8'
SPECIFIC FLOW RATE (gpm/sf)	2 gpm/sf 1.67* gpm/sf 1 gpm/sf	2 gpm/sf 1.67* gpm/sf 1 gpm/sf	2 gpm/sf 1.67* gpm/sf 1 gpm/sf
CARTRIDGE FLOW RATE (gpm)	22.5 18.75 11.25	15 12.53 7.5	10 8.35 5

* 1.67 gpm/sf SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY

SECTION B-B
VAULT STYLE: OUTLET SUMP (NIB)

SECTION A-A

FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	*
WATER QUALITY FLOW RATE (cfs)	*
PEAK FLOW RATE (cfs)	*
RETURN PERIOD OF PEAK FLOW (YRS)	*
CARTRIDGE HEIGHT (27", 18", LOW DROP(LD))	*
NUMBER OF CARTRIDGES REQUIRED	*
CARTRIDGE FLOW RATE	*
MEDIA TYPE (PERLITE, ZPS, PSORB)	*
PIPE DATA	I.E. MATERIAL DIAMETER
INLET PIPE #1	*
INLET PIPE #2	*
OUTLET PIPE	*
UPSTREAM RIM ELEVATION	*
DOWNSTREAM RIM ELEVATION	*
ANTI-FLOTATION BALLAST	WIDTH HEIGHT
NOTES/SPECIAL REQUIREMENTS:	*

* PER ENGINEER OF RECORD

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED VAULT DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
- STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 5' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
- FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
- SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).
- STORMFILTER STRUCTURE SHALL BE PRECAST CONFORMING TO ASTM C-857 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER VAULT (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL VAULT SECTIONS AND ASSEMBLY VAULT.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH OUTLET PIPE INVERT WITH OUTLET BAY FLOOR.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

SF806
STORMFILTER
STANDARD DETAIL

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
8301 State Street, Suite 201, Concord, NH 03301

DETENTION-FILTRATION-1
SCALE: N.T.S.

STORMFILTER DESIGN NOTES

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD VAULT STYLE IS SHOWN WITH THE MAXIMUM NUMBER OF CARTRIDGES (26). VAULT STYLE OPTIONS INCLUDE INLET BAY (17), INLET BAY/OUTLET BAY (12), OUTLET BAY (21), FULL HEIGHT BAFFLE WALL (17), STORMFILTER 8X11 PEAK HYDRAULIC CAPACITY IS 1.8 CFS. IF THE SITE CONDITIONS EXCEED 1.8 CFS AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION	27"	18"	LOW DROP
RECOMMENDED HYDRAULIC DROP (H)	3.05'	2.3'	1.8'
SPECIFIC FLOW RATE (gpm/sf)	2 gpm/sf 1.67* gpm/sf 1 gpm/sf	2 gpm/sf 1.67* gpm/sf 1 gpm/sf	2 gpm/sf 1.67* gpm/sf 1 gpm/sf
CARTRIDGE FLOW RATE (gpm)	22.5 18.75 11.25	15 12.53 7.5	10 8.35 5

* 1.67 gpm/sf SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY

PLAN VIEW
VAULT STYLE: OUTLET SUMP (NIB)

SECTION A-A

FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	*
WATER QUALITY FLOW RATE (cfs)	*
PEAK FLOW RATE (cfs)	*
RETURN PERIOD OF PEAK FLOW (YRS)	*
CARTRIDGE HEIGHT (27", 18", LOW DROP(LD))	*
NUMBER OF CARTRIDGES REQUIRED	*
CARTRIDGE FLOW RATE	*
MEDIA TYPE (PERLITE, ZPS, PSORB)	*
PIPE DATA	I.E. MATERIAL DIAMETER
INLET PIPE #1	*
INLET PIPE #2	*
OUTLET PIPE	*
UPSTREAM RIM ELEVATION	*
DOWNSTREAM RIM ELEVATION	*
ANTI-FLOTATION BALLAST	WIDTH HEIGHT
NOTES/SPECIAL REQUIREMENTS:	*

* PER ENGINEER OF RECORD

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED VAULT DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
- STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 5' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
- FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7-INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
- SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).
- STORMFILTER STRUCTURE SHALL BE PRECAST CONFORMING TO ASTM C-857 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMFILTER VAULT (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL VAULT SECTIONS AND ASSEMBLY VAULT.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH OUTLET PIPE INVERT WITH OUTLET BAY FLOOR.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

SF8011
STORMFILTER
STANDARD DETAIL

CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
8301 State Street, Suite 201, Concord, NH 03301

DETENTION-FILTRATION-2
SCALE: N.T.S.

REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)

ISSUED FOR

BIDDING

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OWNER

**ALLENSTOWN
SCHOOL DISTRICT**

**30 MAIN STREET
ALLENSTOWN, NH**

SITE

**NEW ALLENSTOWN
K-8 SCHOOL**

**RIVER ROAD
ALLENSTOWN, NH**

MAP 410, LOT 12

DRAWING TITLE

**CONSTRUCTION
DETAILS**

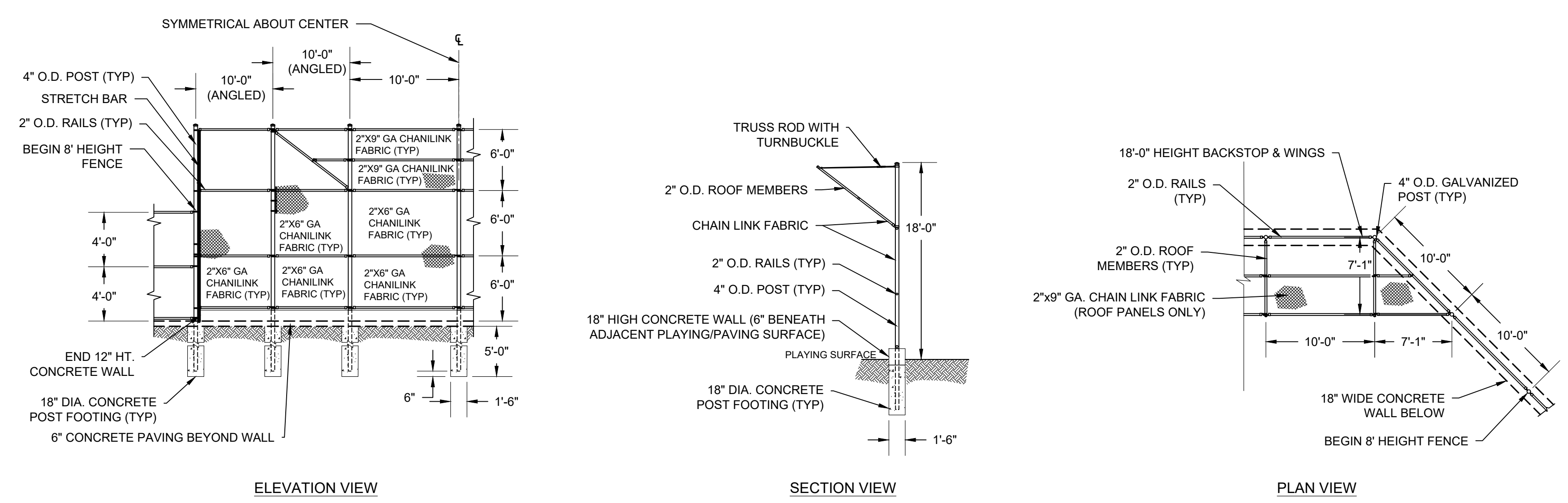
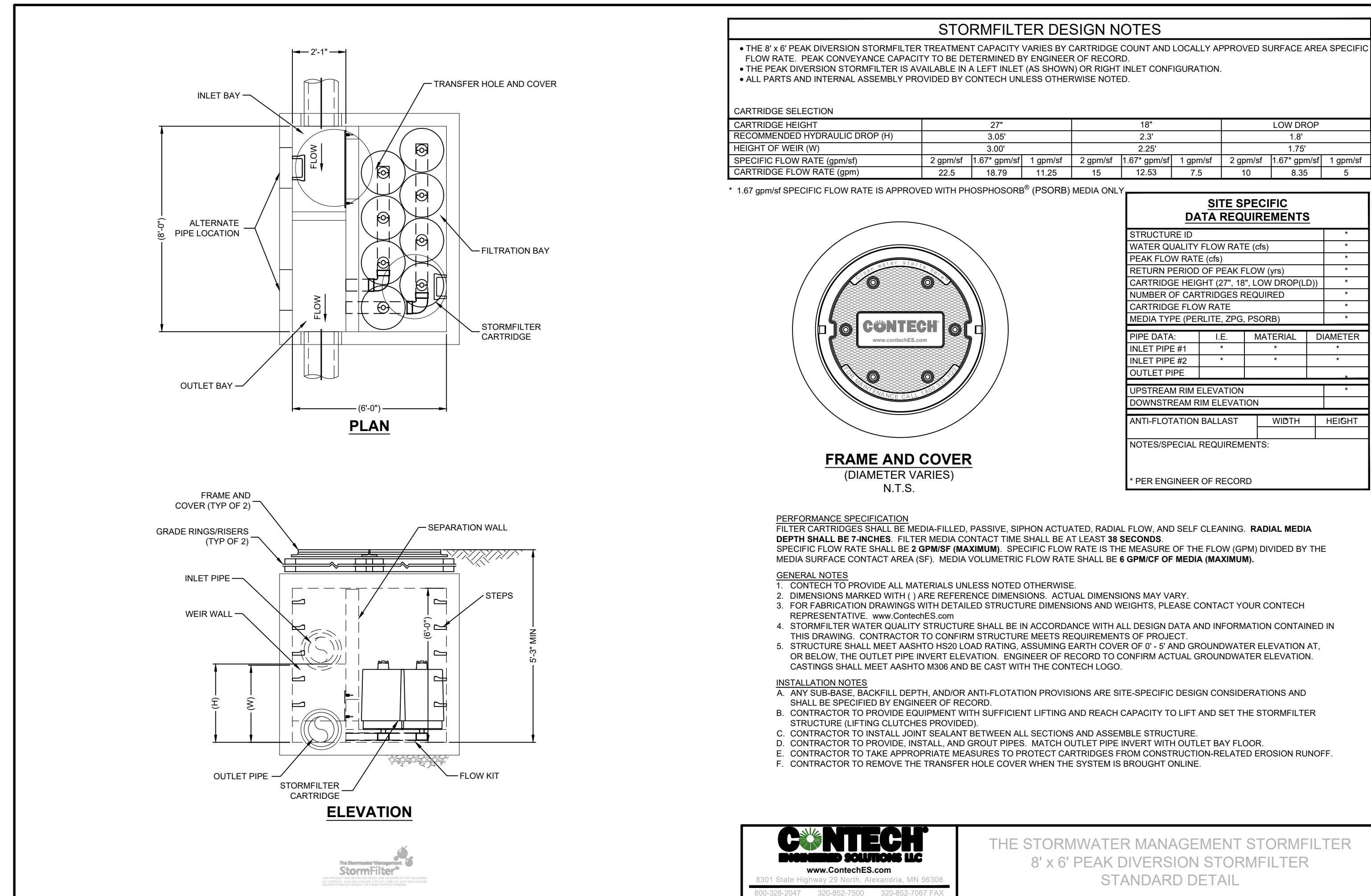
SCALE	N.T.S.	DATE	01/14/2022
DRAFTED BY	CDM	CHECKED BY	ERL
PROJECT MGR	ERL	PROJECT NO.	THLT0001
SHEET NO.			

STATE OF NEW HAMPSHIRE
ERIN R. LAMBERT
No. 11057
PROFESSIONAL ENGINEER
LICENSED

C5.9

ENGINEER: ERIN R. LAMBERT
NH P.E. #11057

23 OF 25



BIDDING

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OWNER

ALLENSTOWN SCHOOL DISTRICT

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ALLENSTOWN, NH**

SITE

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K-8 SCHOOL**

**RIVER ROAD
ALLENSTOWN, NH**

MAP 410, LOT 12

DRAWING TITLE

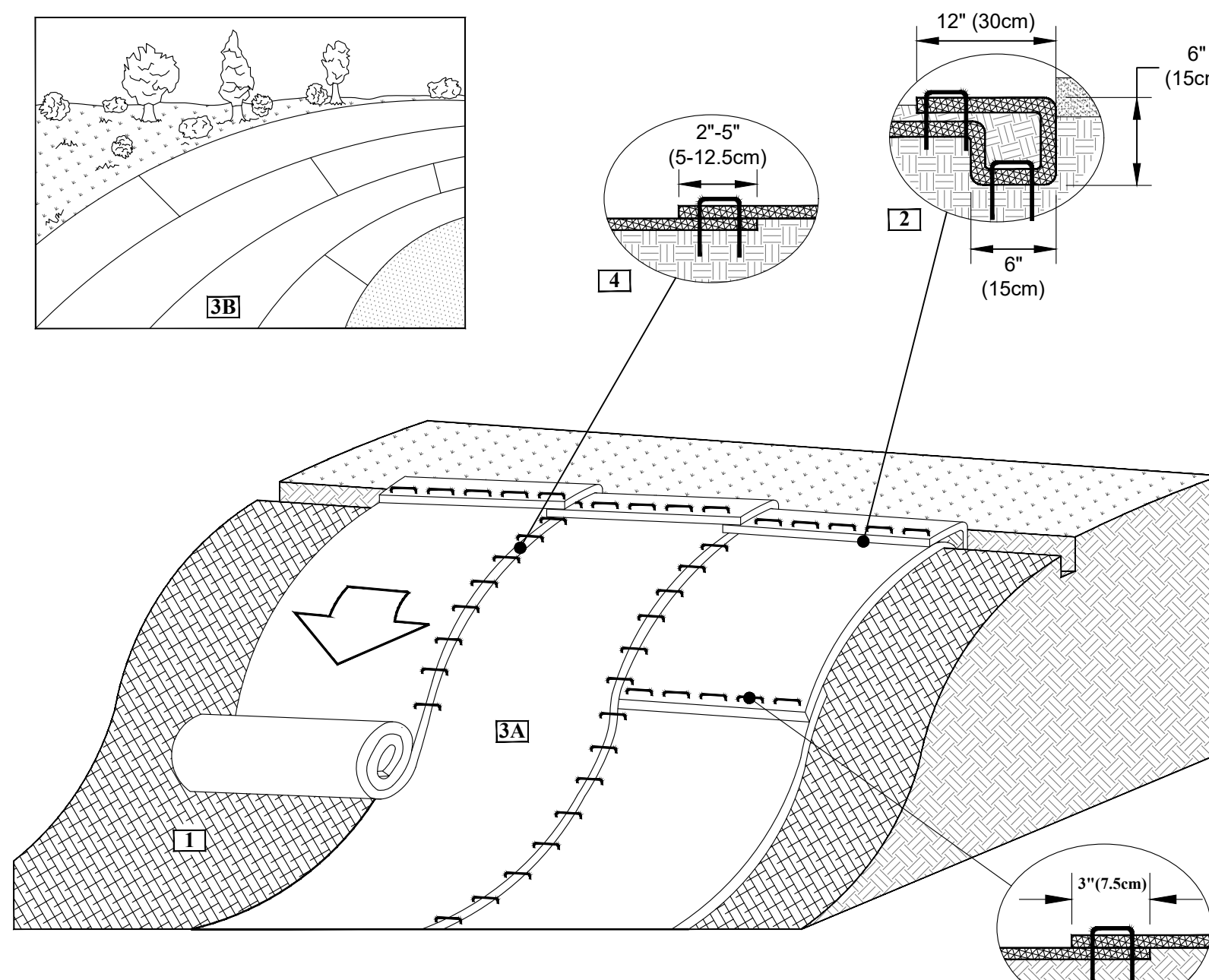
EROSION CONTROL DETAILS

SCALE	N.T.S.	DATE	01/14/2022
DRAFTED BY	CDM	PROJECT MGR	ERL
CHECKED BY	ERL	PROJECT NO.	THLT0001

STATE OF NEW HAMPSHIRE
ERIN R. LAMBERT
No. 11057
LICENSED PROFESSIONAL ENGINEER
ENGINEER ERIN R. LAMBERT
NH P.E. #11057

C5.10

24 OF 25

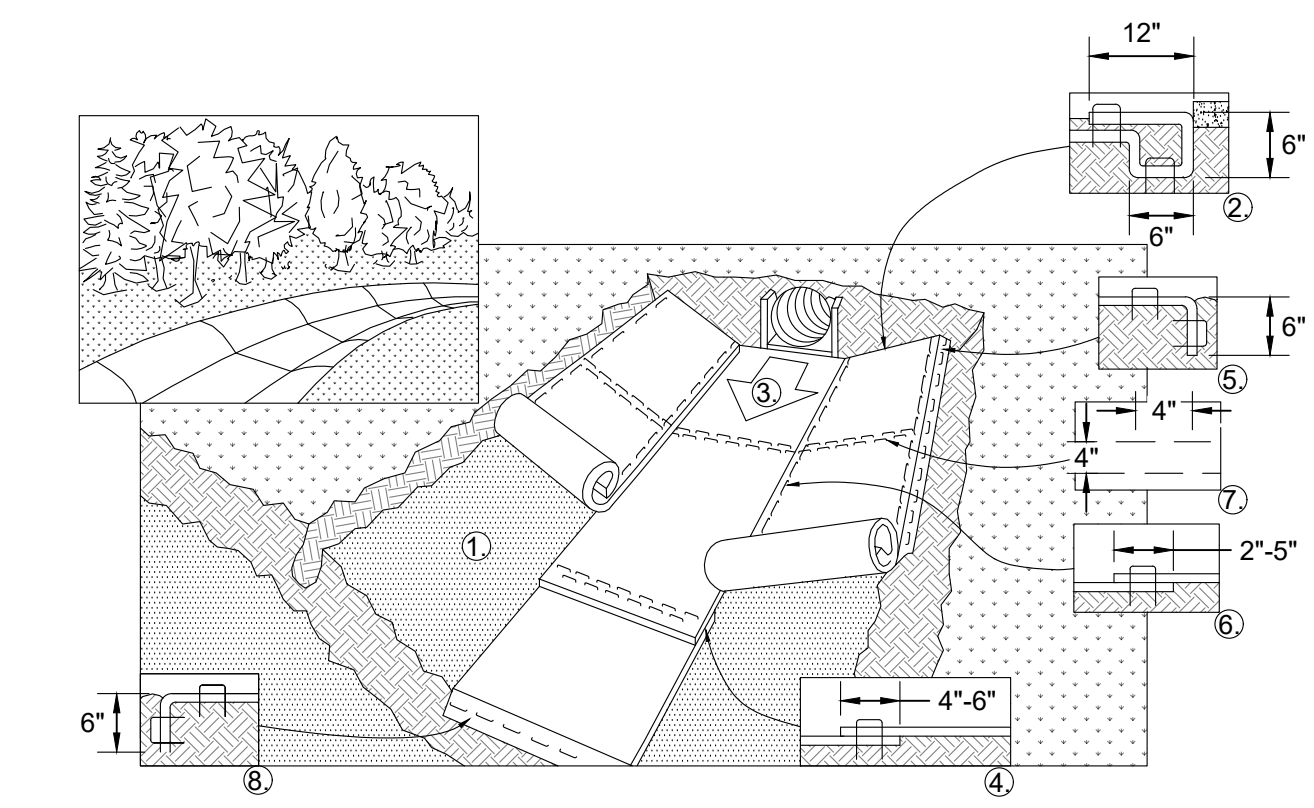


**EROSION BLANKET
SLOPE INSTALLTION**
NOT TO SCALE

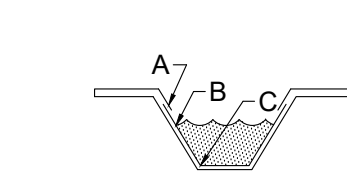
**SLOPE
INSTALLATION
DETAIL**

1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6"(15CM) DEEP X 6"(15CM) WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF RECPs EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12"(30CM) PORTION OF RECPs BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12"(30CM) APART ACROSS THE WIDTH OF THE RECPs.
3. ROLL THE RECPs (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPs MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
4. THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5-12.5CM) OVERLAP DEPENDING ON THE RECPs TYPE.
5. CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3"(7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12"(30CM) APART ACROSS ENTIRE RECPs WIDTH.

*NOTE:
IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6"(15CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECPs.



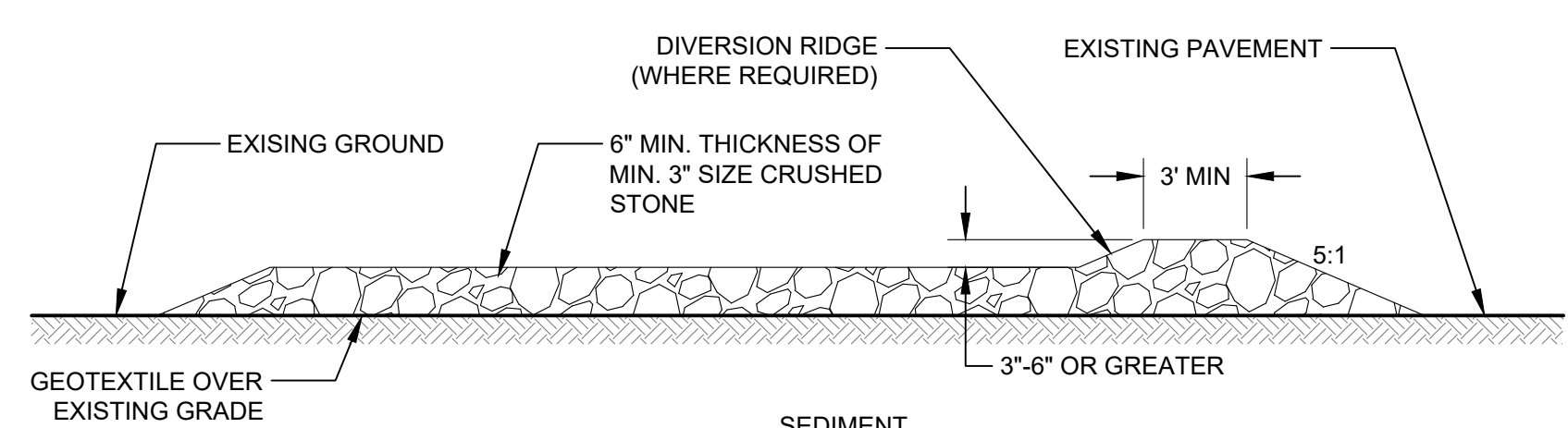
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECPs IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECPs EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECPs BACK OVER SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" ACROSS THE WIDTH OF THE RECPs.
3. ROLL CENTER RECPs IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPs MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. PLACE CONSECUTIVE RECPs END OVER END (SHINGLE STYLE) WITH A 4" - 6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE RECPs.
5. FULL LENGTH EDGE OF RECPs AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ADJACENT RECPs MUST BE OVERLAPPED APPROXIMATELY 2" - 5" (DEPENDING ON RECPs TYPE) AND STAPLED.
7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
8. THE TERMINAL END OF THE RECPs MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.



CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

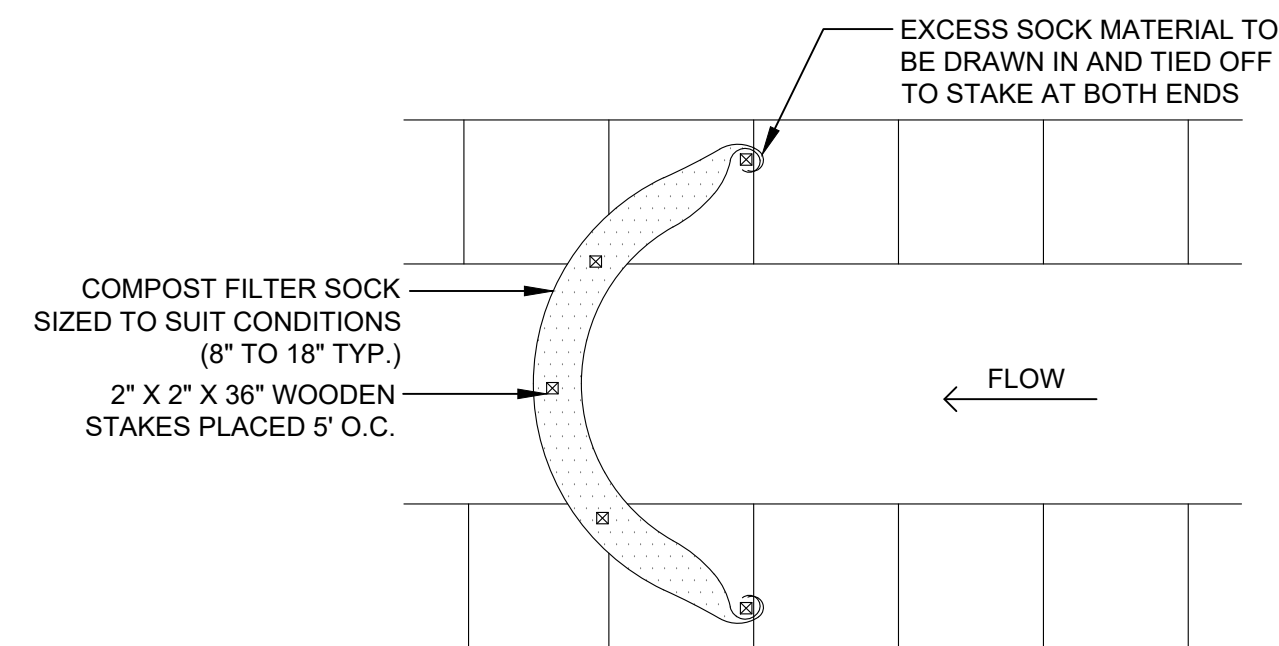
*NOTE:
* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE RECPs.

**CHANNEL INSTALLATION
ROLLED EROSION CONTROL MATTING**
NOT TO SCALE



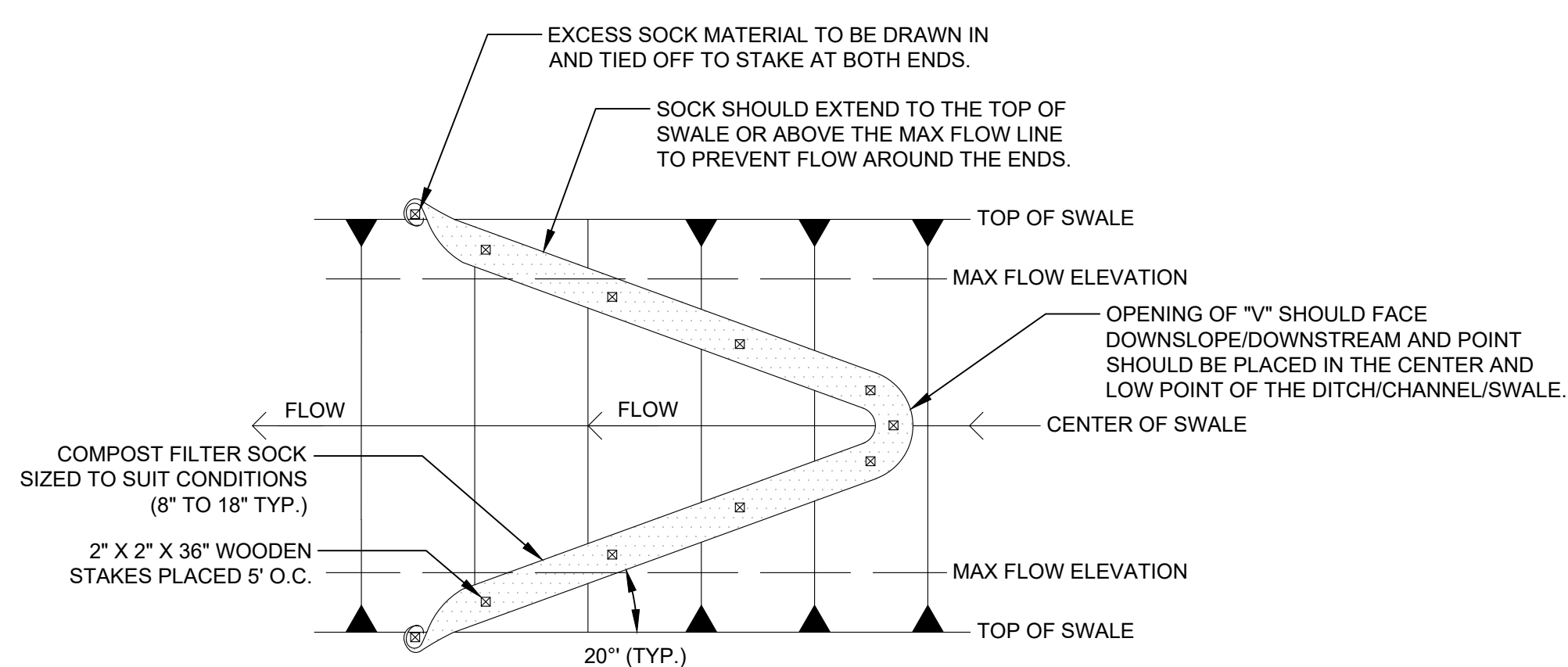
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

- NOTES:
1. STONE SIZE - USE MINIMUM 3 INCH CRUSHED STONE.
 2. LENGTH - NOT LESS THAN 75 FEET (50 FEET MAY BE ALLOWED WHERE A DIVERSION RIDGE IS PROVIDED).
 3. THICKNESS - NOT LESS THAN 6 INCHES.
 4. WIDTH - 10 FOOT MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 5. GEOTEXTILE FILTER FABRIC MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.



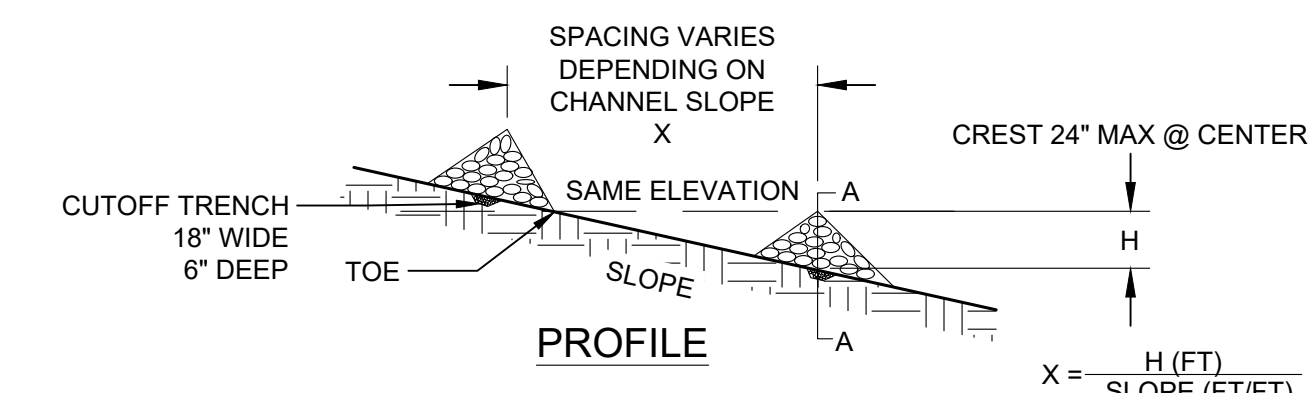
FILTER SOCK CHECK DAM
NOT TO SCALE

- NOTES:
1. CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
 2. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.
 3. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.

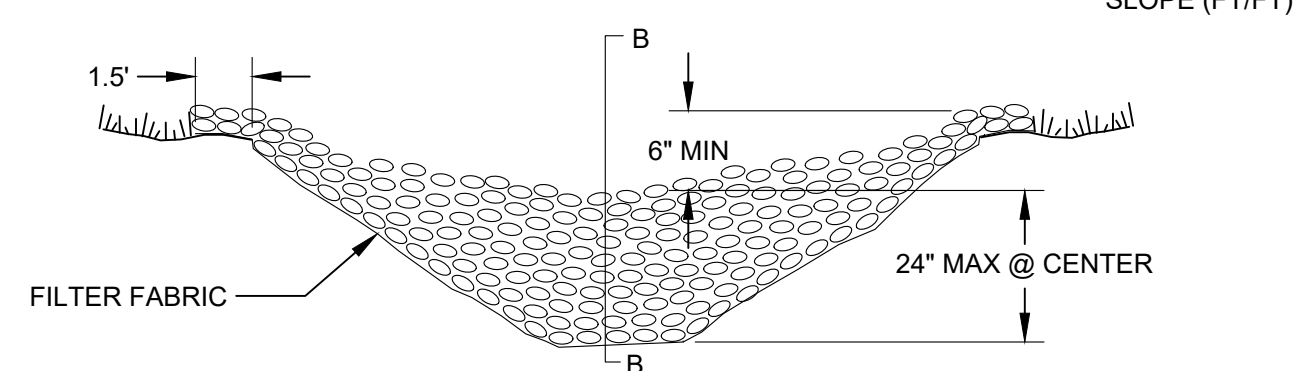


FILTER SOCK CHECK DAM WITH UNIFORM CREST
NOT TO SCALE

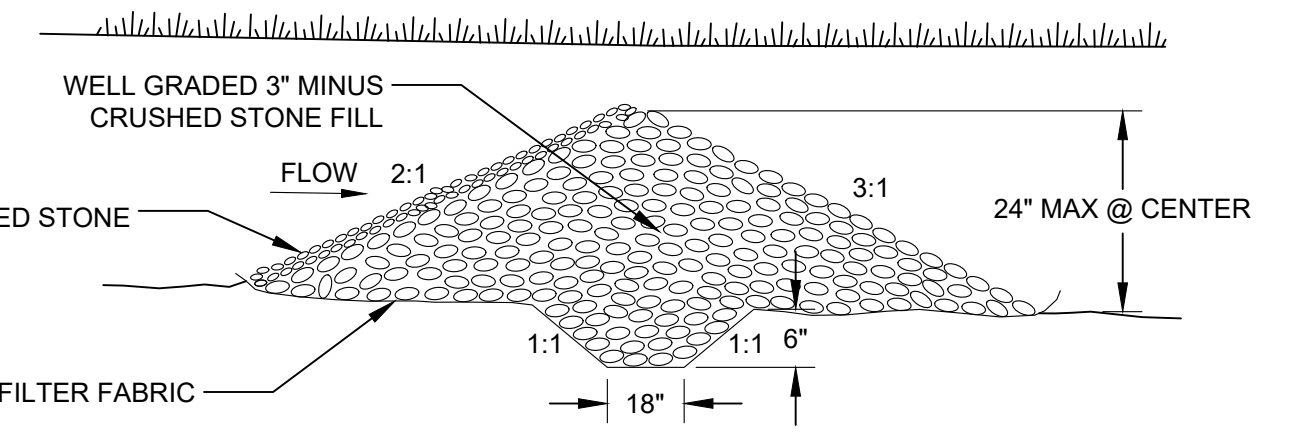
- NOTES:
1. CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
 2. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED 1/2 THE HEIGHT OF THE CHECK DAM.
 3. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.



PROFILE



SECTION A-A

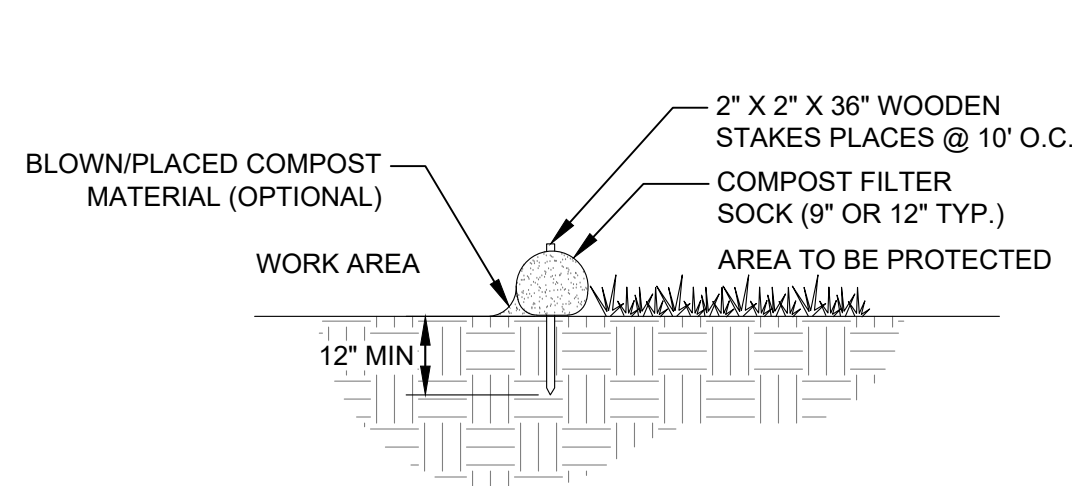


SECTION B-B

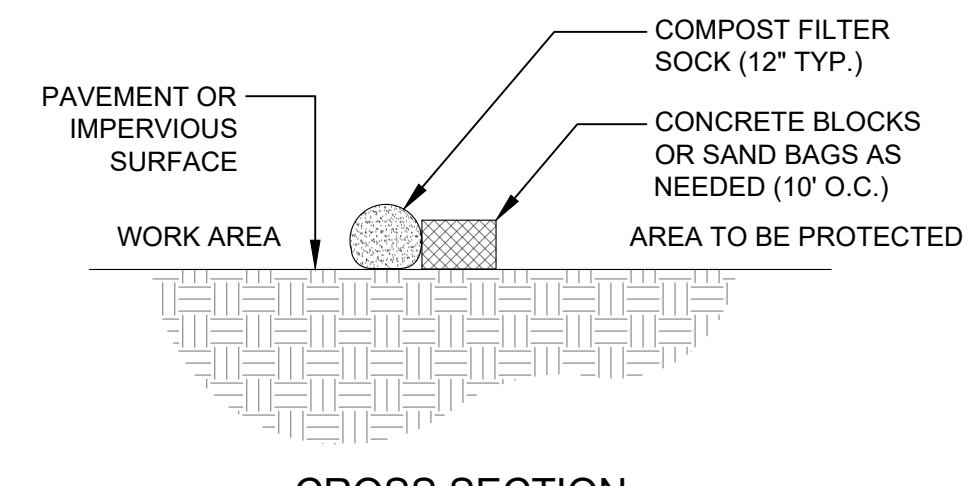
STONE CHECK DAM
NOT TO SCALE

- NOTES:
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
 2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
 5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

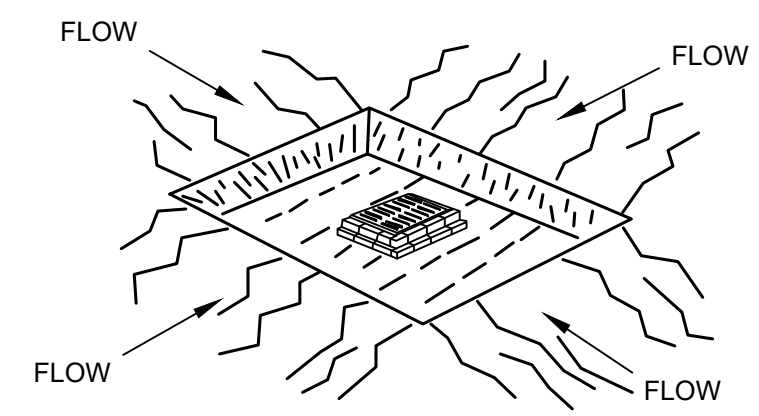
REVISION HISTORY
1. REVISED FOR BIDDING SET (2022/01/31, RSR)



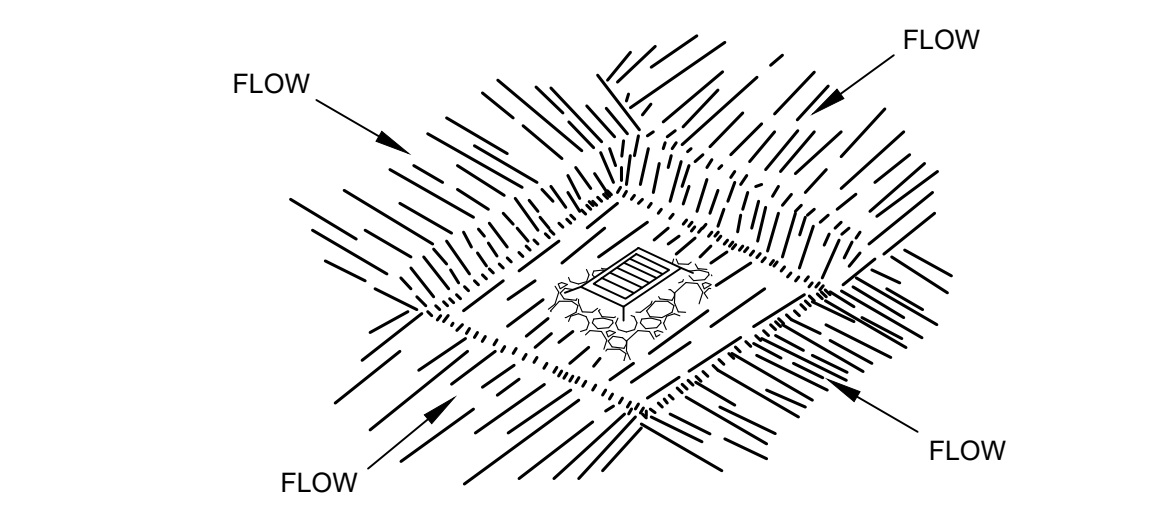
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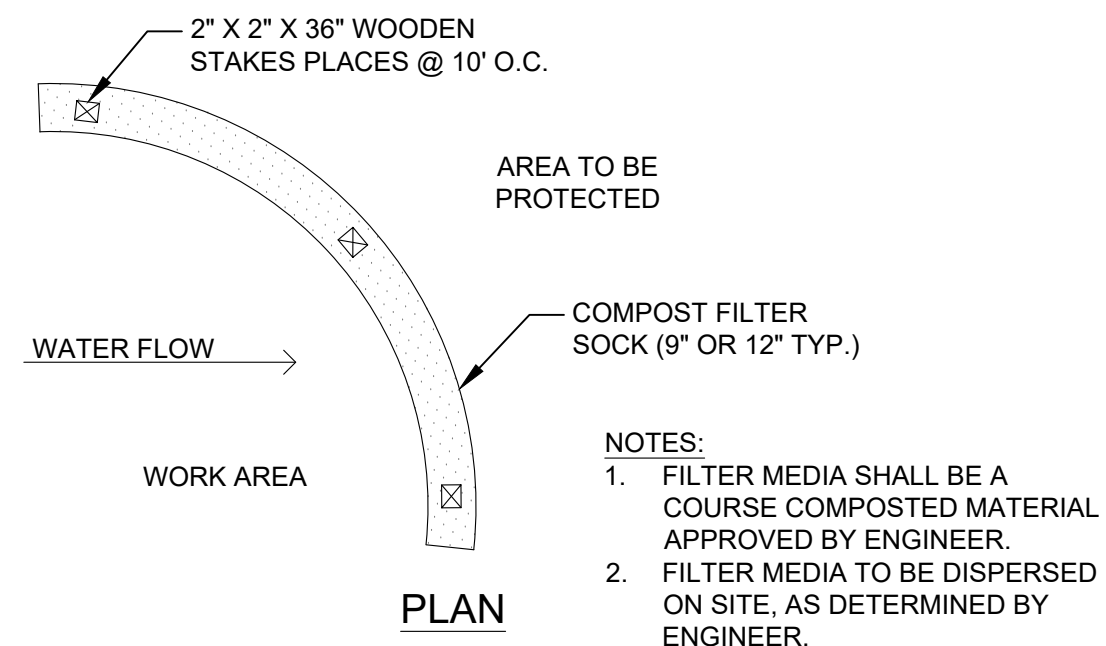
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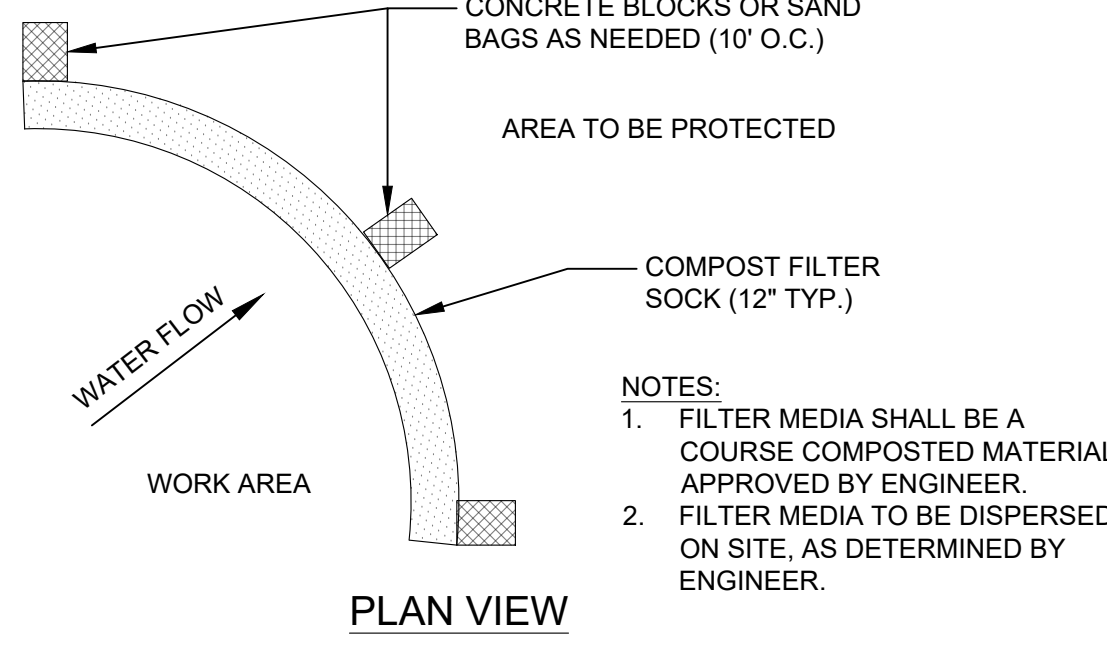
YARD DRAIN



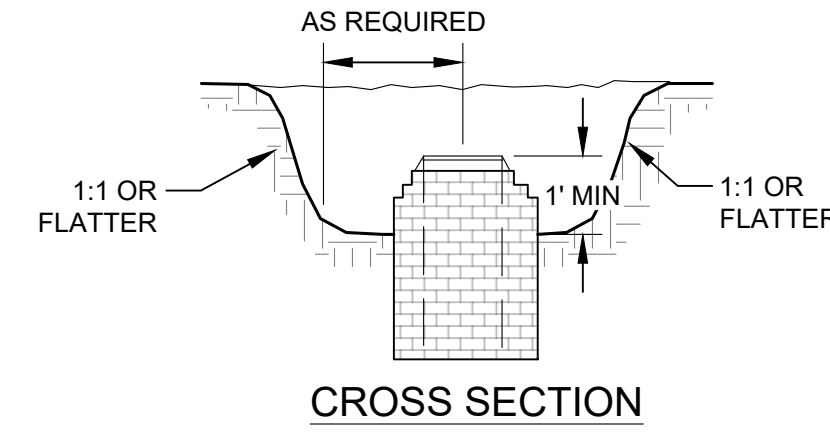
EXCAVATED DROP INLET PROTECTION



PLAN

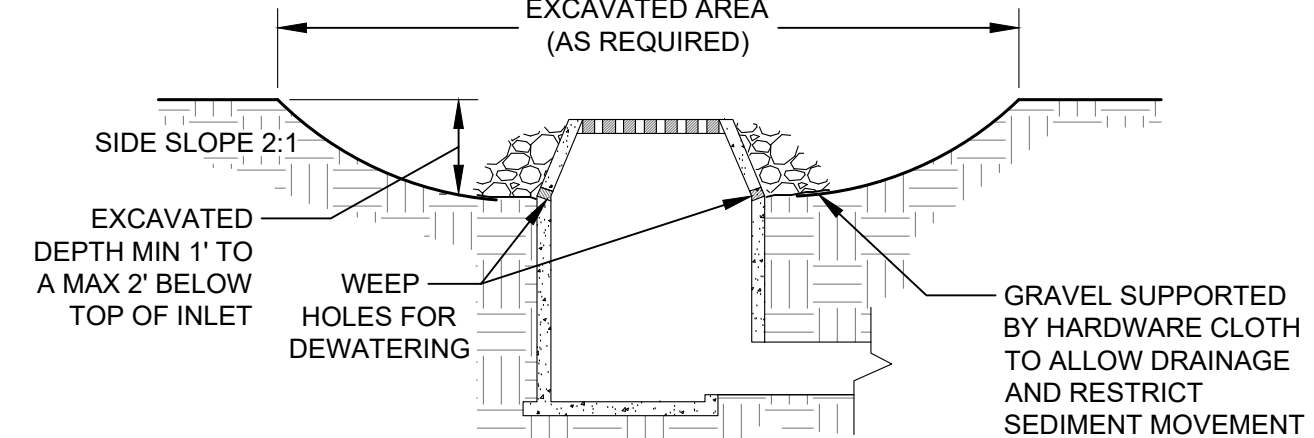


PLAN VIEW



CROSS SECTION

CATCH BASIN SEDIMENT TRAP



EXCAVATED DROP INLET PROTECTION

FILTER SOCK SEDIMENT CONTROL
NOT TO SCALE

FILTER SOCK SEDIMENT CONTROL
ON PAVEMENT
NOT TO SCALE

- NOTES:
- SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.
 - THE VOLUME OF SEDIMENT STORAGE SHALL BE 3,600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
 - THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
 - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND SEDIMENT ARE CONTROLLED.
 - THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE CONSTRUCTED DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
 - ALL CUT SLOPES SHALL BE 1:1 OR FLATTER.

- NOTES:
- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
 - GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
 - WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
 - UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL EXCAVATION WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.

ISSUED FOR
BIDDING

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OWNER
ALLENSTOWN SCHOOL DISTRICT
30 MAIN STREET ALLENSTOWN, NH

SITE
NEW ALLENSTOWN K-8 SCHOOL
RIVER ROAD ALLENSTOWN, NH
MAP 410, LOT 12

DRAWING TITLE
EROSION CONTROL DETAILS

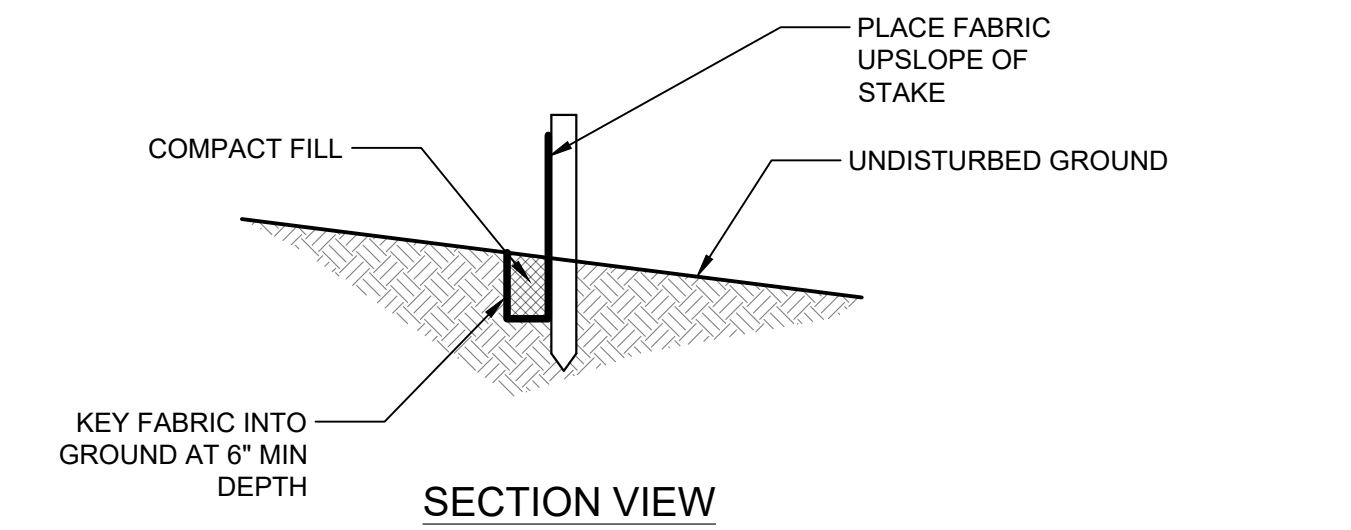
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DRAFTED BY	CDM	PROJECT MGR	ERL
CHECKED BY	ERL	PROJECT NO.	THLT0001

STATE OF NEW HAMPSHIRE
ERIN R. LAMBERT
No. 11057
LICENSED PROFESSIONAL ENGINEER

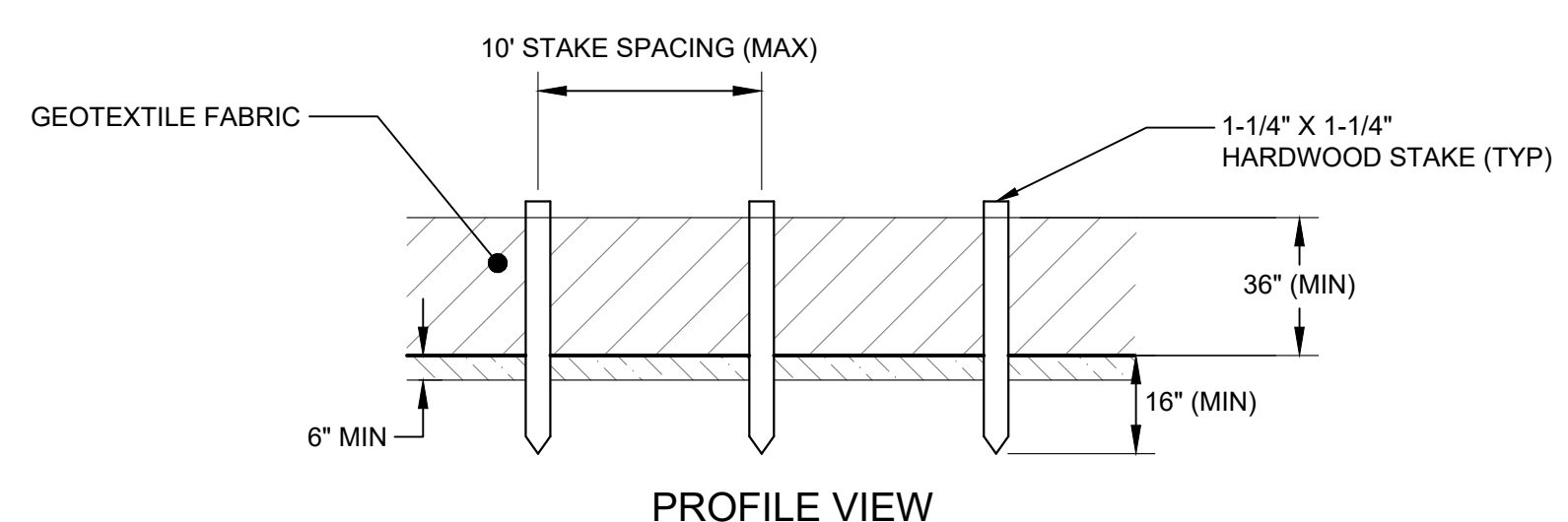
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ENGINEER: ERIN R. LAMBERT
NH P.E. #11057

SHEET NO.
25 OF 25



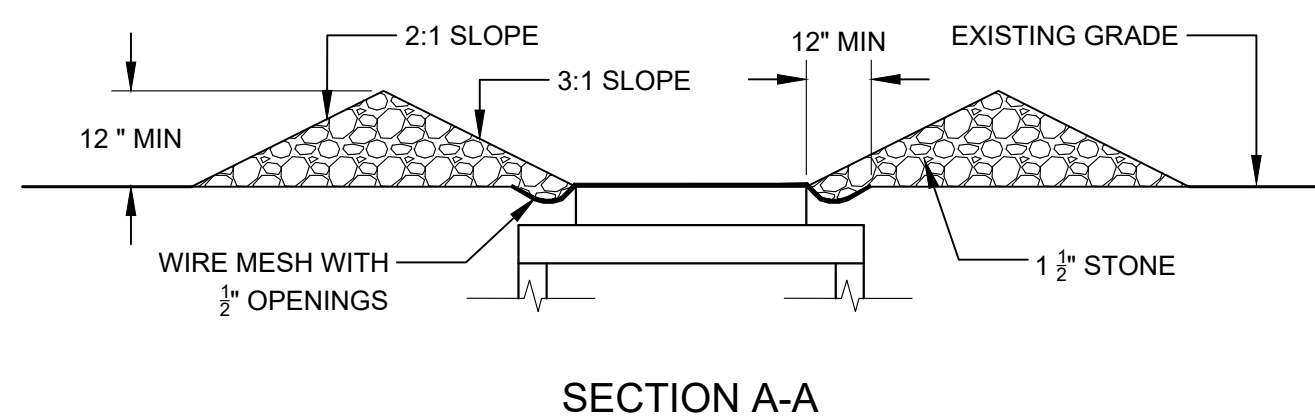
SECTION VIEW



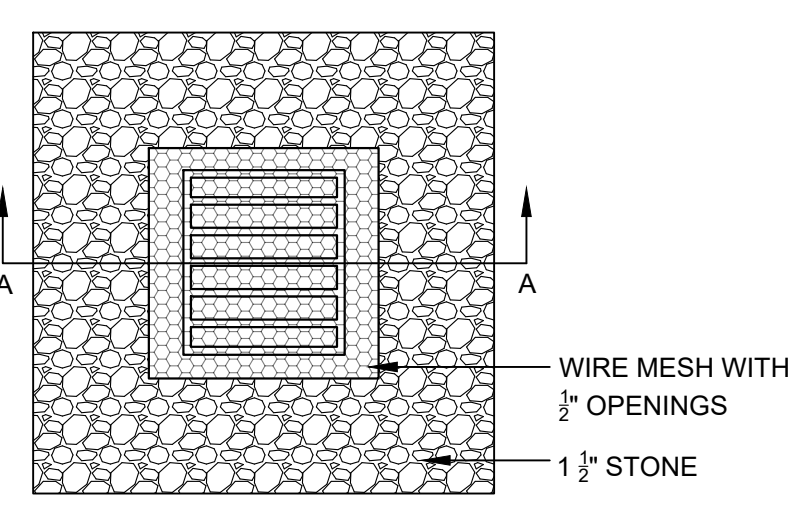
PROFILE VIEW

- NOTES:
- DUE TO UV STABILITY OF FABRIC, SILT FENCE MAY NOT BE USED FOR A PERIOD LONGER THAN ONE (1) YEAR.
 - SILT FENCE NOT TO BE USED IN AREAS OF CONCENTRATED FLOW (E.G. SWALES/DITCHES)
 - WIRE FENCE SUPPORT (14 GAGE W/6" MESH OPENING MIN) IS REQUIRED FOR INSTALLATIONS WITHIN 100 FEET OF STREAMS, RIVERS, OR OTHER WATERS OF THE STATE.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
 - ENDS OF FILTER CLOTH SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
 - APPROVED PREFABRICATED FENCING INCLUDES ENVIROFENCE, GEOFAB, MIRAFI 100X. OTHERS MAY BE SUITABLE BUT SUBJECT TO ENGINEER'S APPROVAL.
 - INSPECT FENCE REGULARLY FOR DAMAGE DUE TO ANIMALS, EQUIPMENT, AND WIND
 - REMOVE ACCUMULATED SEDIMENT WHEN LEVEL REACHES 1/2 THE HEIGHT OF FENCE

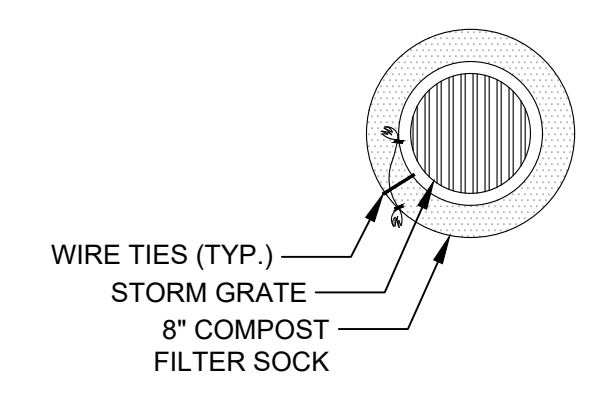
SILT FENCE DETAIL
NOT TO SCALE



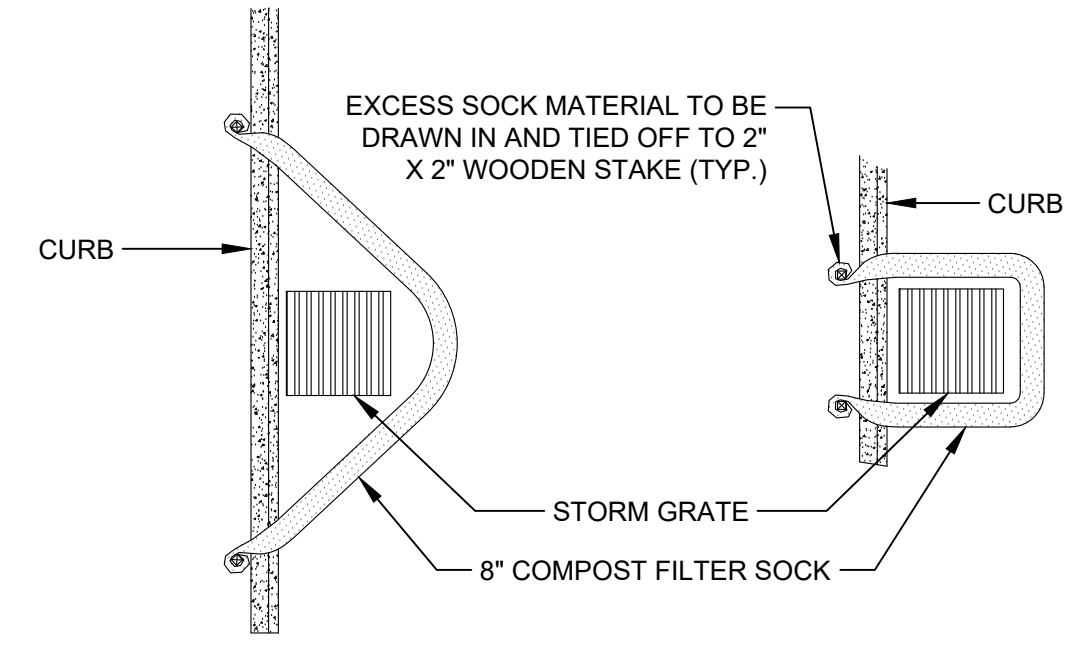
SECTION A-A



STONE INLET PROTECTION
NOT TO SCALE

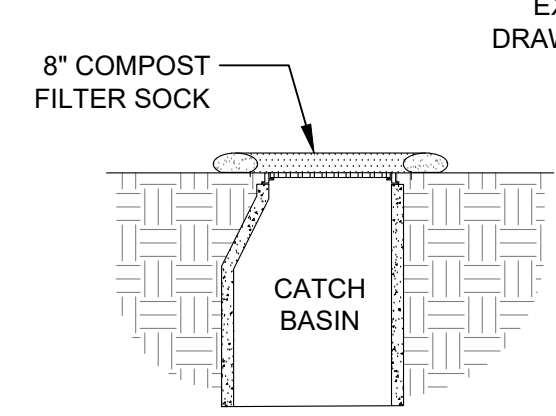


DRAIN INLET PLAN

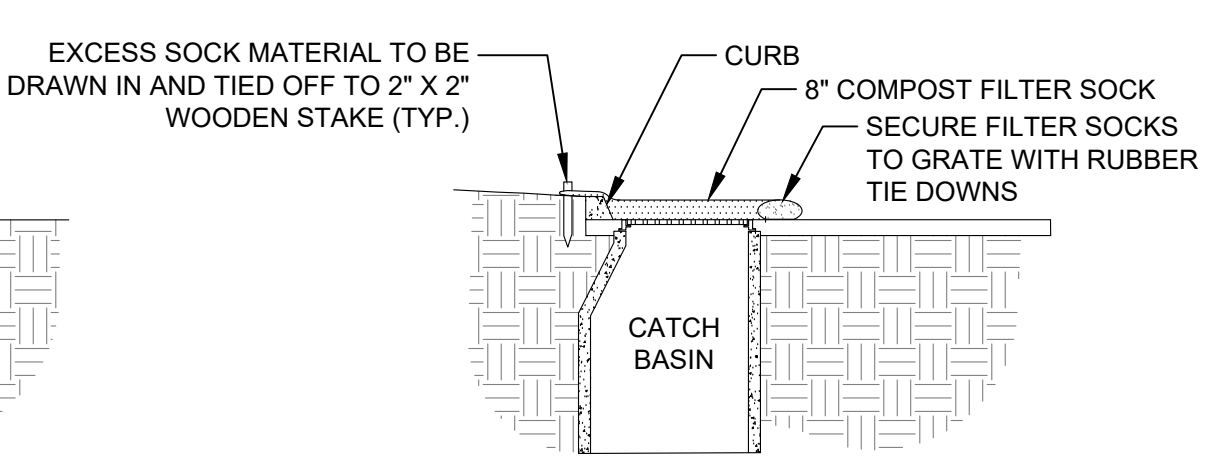


CURBSIDE OPTION "A" PLAN

CURBSIDE OPTION "B" PLAN



DRAIN INLET SECTION



CURBSIDE SECTION

FILTER SOCK SEDIMENT CONTROL INLET PROTECTION
NOT TO SCALE

- NOTES:
- FILTER MEDIA SHALL BE A COURSE COMPOSTED MATERIAL APPROVED BY ENGINEER.
 - FILTER MEDIA TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.



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Concord, New Hampshire 03301
t: 603.228.1122
h: turner.com

ARCHITECTS • ENGINEERS • BUILDING SCIENTISTS

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40 South River Rd. - Unit 38
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Y46211082P



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Concord, NH 03302
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KEY PLAN:
PROJECT TITLE / ADDRESS:
ALLENSTOWN SCHOOL

PROPOSED NEW BUILDING

STREET
CITY, STATE ZIP

ISSUE:
DESIGN DEVELOPMENT
02/08/22

PROJ. NO.:	XXXX	STAMP
SCALE:	As indicated	
DES. BY:	Designer	
DRAWN BY:	Author	
CHKD BY:	Checker	
ISSUE DATE:	11/06/21	

NO.	DATE	DESCRIPTION

SHEET TITLE:
ELECTRICAL SITE PLAN

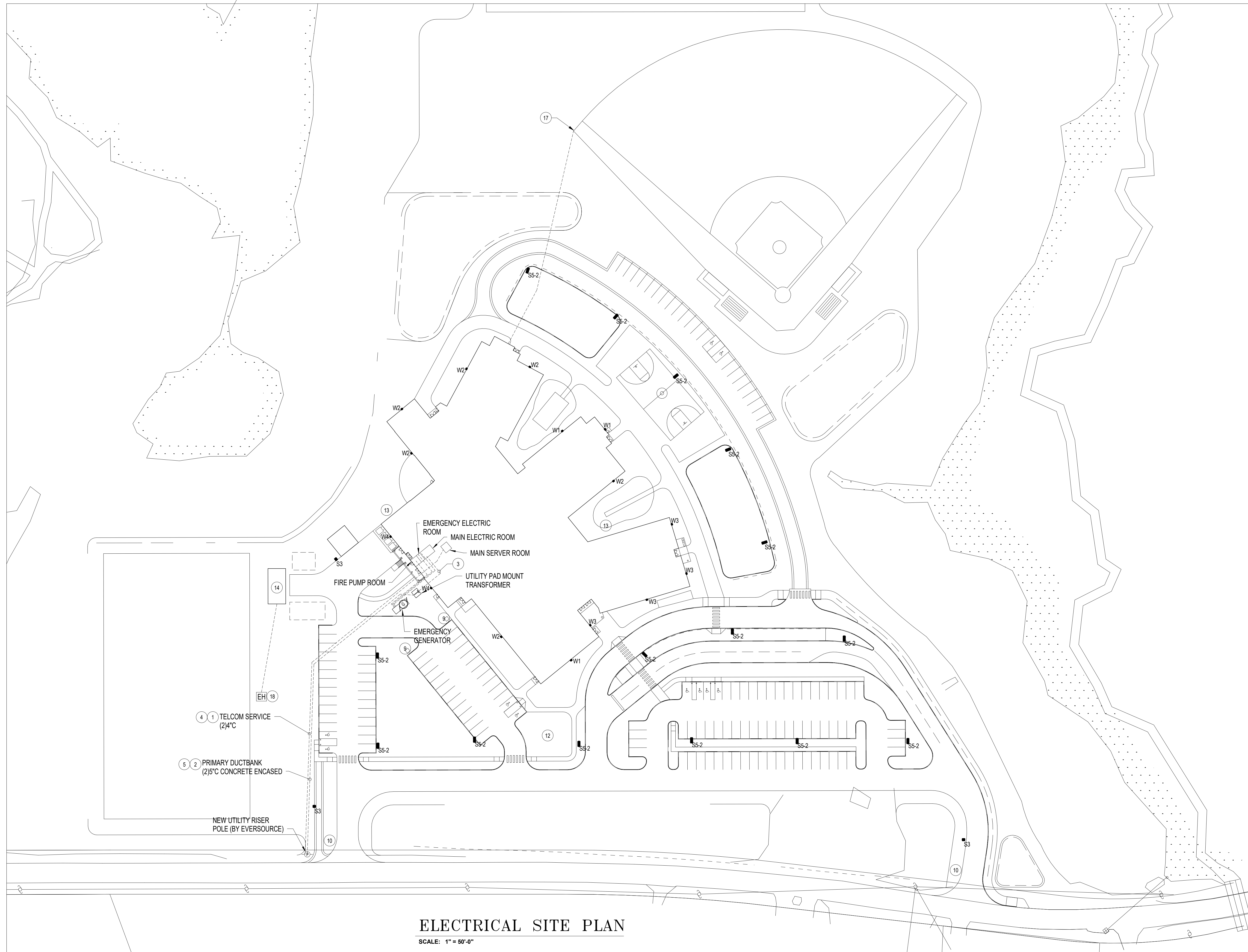
ES1.1

GENERAL SHEET NOTES

- REFER TO CIVIL DRAWINGS FOR ROUTING OF ALL UNDERGROUND CONDUIT AND COORDINATION WITH SITE UTILITIES.
- ALL UNDERGROUND SHALL BE SCHEDULE 80 PVC, MINIMUM SIZE 1" UNLESS OTHERWISE NOTED.
- ALL SITE LIGHTING BRANCH CIRCUIT WIRING SHALL BE MINIMUM # 8 AWG. ROUTE ALL EXTERIOR LIGHTING BRANCH CIRCUITS VIA LIGHTING CONTROL RELAY PANEL LOCATED IN MAIN ELECTRICAL ROOM.
- COORDINATE WITH ELECTRICAL UTILITY COMPANY EVERSOURCE LOCATION OF UTILITY RISER POLE, PULLBOX/MANHOLES, AND PRIMARY TERMINATION REQUIREMENTS PRIOR TO BID. LOCATE ELECTRIC UTILITY METER AS PER EVERSOURCE REQUIREMENTS.
- COORDINATE WITH TELEPHONE/CABLE UTILITY COMPANY LOCATION OF UTILITY RISER POLE, PULLBOX/MANHOLES AND TERMINATION REQUIREMENTS PRIOR TO BID.
- PROVIDE HAND HOLE/PULL BOXES AS REQUIRED, PROPERLY SIZED PER NEC FOR SITE LIGHTING AND POWER.
- ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED 30" BELOW FINISHED GRADE.
- CONDUIT DEPTHS SHALL BE 24" MINIMUM BELOW GRADE.
- ALL CONDUIT SWEEPS TURNED UP IN EQUIPMENT SLABS SHALL BE INSTALLED AS RIGID STEEL GALVANIZED CONDUIT. GROUND STEEL CONDUITS IN ACCORDANCE WITH APPLICABLE CODES.
- PROVIDE HAND HOLE BOXES AND EXTENSIONS TO ALLOW FOR CONDUIT BURIAL DEPTHS AND CONDUIT/BOX FILL CODE REQUIREMENTS.
- ALL EMPTY CONDUITS SHALL CONTAIN A NYLON PULL ROPE.

KEYED SHEET NOTES

- PROVIDE 24" CW PULL WIRE FOR TELECOM. COORDINATE ROUTING IN FIELD WITH OTHER UTILITIES AND CIVIL PLANS.
- PROVIDE 25" CW PULL WIRE FOR ELECTRICAL PRIMARY SERVICE. COORDINATE ROUTING IN FIELD WITH OTHER UTILITIES AND CIVIL PLANS.
- PROVIDE 24" CW CONDUCTORS. (14" SPARE FOR ELECTRICAL SECONDARY SERVICE. COORDINATE ROUTING IN FIELD WITH OTHER UTILITIES AND CIVIL PLANS.
- E.C. SHALL CARRY AN ALLOWANCE FOR UTILITY BACK CHARGES FOR SERVICE WORK. COORDINATE WITH OWNER AND TELCOM SERVICE PROVIDER FOR SCOPE OF WORK REQUIREMENTS.
- E.C. SHALL CARRY AN ALLOWANCE FOR UTILITY BACK CHARGES FOR SERVICE WORK. COORDINATE WITH OWNER AND EVERSOURCE FOR SCOPE OF WORK REQUIREMENTS.
- 248, 186G-1C, UNLESS OTHERWISE NOTED.
- ELECTRIC HANDHOLES - PROVIDE COVER LOGO DESCRIPTION AS REQUIRED. SEE DRAWING ES-6 FOR REQUIREMENTS.
- POLE MOUNTED SECURITY CAMERA. PROVIDE CABLE IN CONDUIT FROM POLE TO CCTV HEAD-END.
- ELECTRIC VEHICLE CAR CHARGER - PROVIDE (2) 40A, 208V/1PH CIRCUITS (248, 186G-2C) FOR DUAL CHARGING STATION. VERIFY REQUIREMENTS AND LOCATIONS PRIOR TO ROUGH-IN.
- POWERED SIGN - PROVIDE WIRING AND POWER SUPPLIES AS REQUIRED. VERIFY REQUIREMENTS WITH SIGN MANUFACTURER PRIOR TO ROUGH-IN.
- PROVIDE PROTECTIVE CONCRETE BOLLARDS AS REQUIRED BY UTILITY.
- FLAGPOLE LIGHT - PROVIDE 1" CW FOR LOW VOLTAGE CABLE TO LED DRIVER. LED DRIVER TO BE INSTALLED IN ACCESSIBLE LOCATION (FIELD VERIFY FINAL LOCATION). MAXIMUM DISTANCE OF DRIVER FROM LIGHT SHALL BE CONFIRMED WITH MANUFACTURER. FLAGPOLE LIGHT SHALL BE CONTROLLED BY A PHOTOCELL MOUNTED HIGH ON THE NORTH SIDE OF THE BUILDING AWAY FROM ARTIFICIAL LIGHT.
- SEWAGE PUMP CHAMBER - PROVIDE (1) 2" CW FOR POWER AND (1) 2" CW FOR CONTROLS/ALARMS. CONTROL/ALARM WIRING BY OTHERS. VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.
- FIELD HOUSE - PROVIDE (1) 2" CW FOR POWER, DATA, AND SPARE FROM MAIN ELECTRICAL AND MAIN SERVER ROOM RESPECTIVELY. FIELD COORDINATE REQUIREMENTS AND LOCATION OF FIELD HOUSE PRIOR TO ROUGH-IN.
- IRRIGATION WELL PUMP - PROVIDE (1) 2" CW FOR POWER AND CONTACTOR AS REQUIRED. VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.
- WELL PUMP - PROVIDE (1) 2" CW FOR FUTURE POWER AND CONTACTOR AS REQUIRED. VERIFY REQUIREMENTS PRIOR TO ROUGH-IN.
- FIELD POLE - PROVIDE (2) 2" CW FOR POWER AND DATA FROM 2ND FL. ELEC/OF 4. FIELD COORDINATE REQUIREMENTS AND LOCATION OF FIELD POLE PRIOR TO ROUGH-IN.
- SOCCER FIELDS - ELECTRIC HANDHOLE AND (2) 2" CW EMPTY CONDUITS FOR FUTURE POWER AND DATA REQUIREMENTS EITHER FOR CONCESSIONS STAND AND/OR SCOREBOARD.



ELECTRICAL SITE PLAN

SCALE: 1" = 50'-0"

1/16" = 1'-0"
3/32" = 1'-0"
1/8" = 1'-0"
0' 4" 8" 16" 32'
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ELECTRICAL SITE PLAN
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KEY PLAN:
 PROJECT TITLE / ADDRESS:
ALLENSTOWN SCHOOL

PROPOSED NEW BUILDING

STREET
 CITY, STATE, ZIP

ISSUE:
**DESIGN DEVELOPMENT
 02/08/22**

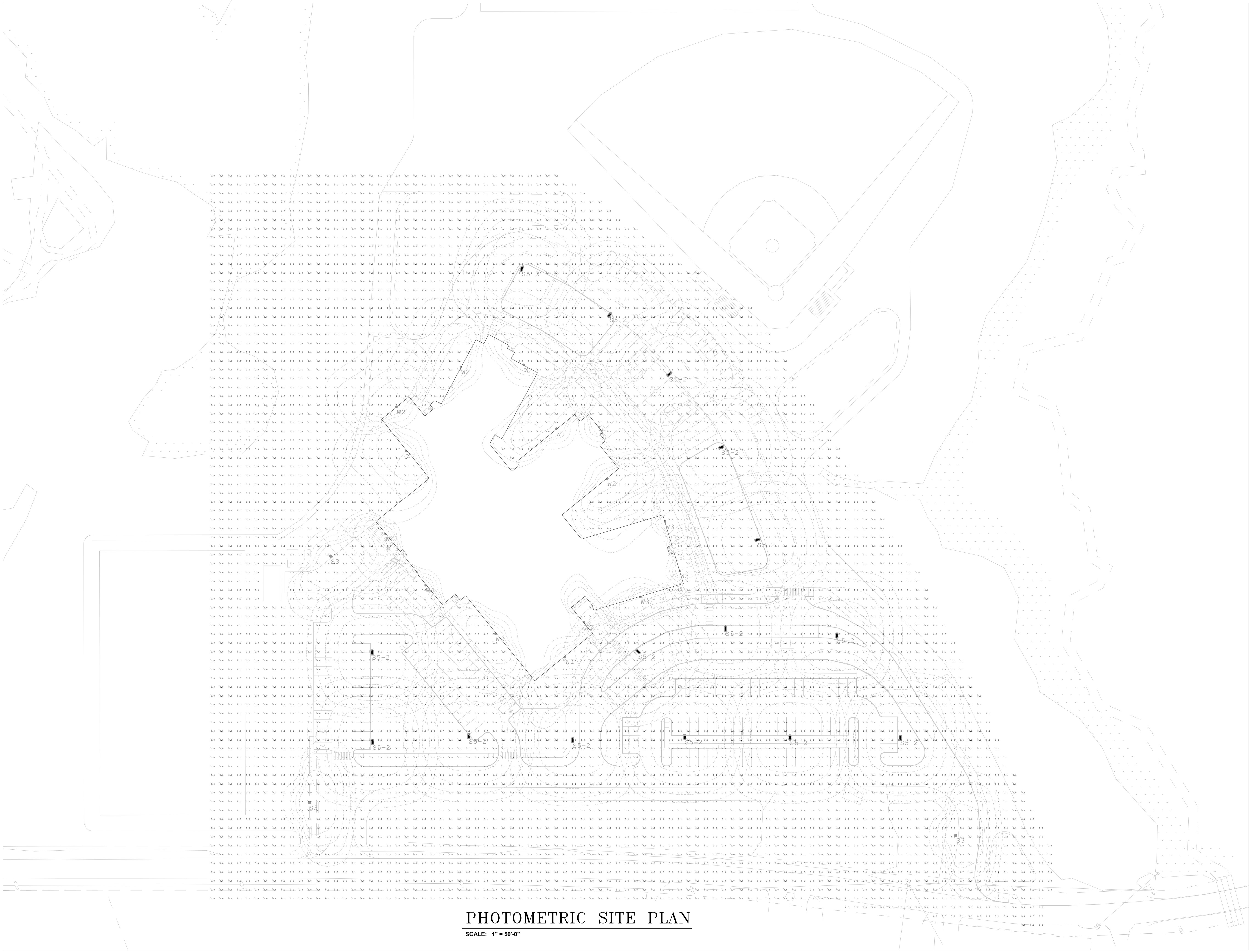
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DESN. BY:	Designer	
DRAWN BY:	Author	
CHKD BY:	Checker	
ISSUE DATE:	01/11/22	

REVISIONS

NO.	DATE	DESCRIPTION

SHEET TITLE:
PHOTOMETRIC SITE PLAN

ES1.2



PHOTOMETRIC SITE PLAN
 SCALE: 1" = 50'-0"

EXTERIOR LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MODEL	LUMENS	TEMP (K)	WATTAGE	VOLTAGE	NOTES
FL	FLAG-POLE LIGHT					UNV	
BL	6" BOLLARD	MCGRAW-EDISON #BRT6-A3-740-U-T4-42-XX-BPC; BUG: B1-U0-G1	3,000	40K	15	120-277	INTEGRAL PHOTOCCELL
S3	POLE LIGHT, FINISHED HEIGHT OF FIXTURE @20-FT. SQUARE STRAIGHT STEEL POLE WITH BLACK FINISH AND FULL BASE COVER	MCGRAW-EDISON #GLEON-SA2C-740-U-T3-XX-MS/DIM-L20; POLE #SS4A20SFN1; BUG: B1-U0-G2	8,125	50K	67	120-277	INTEGRAL PHOTOCCELL, MOTION SENSOR/DIM
S5-2	POLE LIGHT, BACK-BACK FIXTURES, FINISHED HEIGHT OF FIXTURE @20-FT. SQUARE STRAIGHT STEEL POLE WITH BLACK FINISH AND FULL BASE COVER	MCGRAW-EDISON #GLEON-SA2C-740-U-SWQ-XX-MS/DIM-L20; POLE #SS4A20SFN2; BUG: B4-U0-G2	16,723	50K	129	120-277	INTEGRAL PHOTOCCELL, MOTION SENSOR/DIM
W1	WALLPACK, FINISHED HEIGHT OF FIXTURE @20-FT	MCGRAW-EDISON #GWC-SA2C-740-U-SL3-MS/DIM-L20; BUG: B2-U0-G3	14,763	50K	113	120-277	INTEGRAL PHOTOCCELL, MOTION SENSOR/DIM
W2	WALLPACK, FINISHED HEIGHT OF FIXTURE @20-FT	MCGRAW-EDISON #GWC-SA2C-740-U-SL4-MS/DIM-L20; BUG: B2-U0-G4	14,025	50K	113	120-277	INTEGRAL PHOTOCCELL, MOTION SENSOR/DIM
W3	WALLPACK, FINISHED HEIGHT OF FIXTURE @12-FT	MCGRAW-EDISON #GWC-SA1C-740-U-SL3-MS/DIM-L20; BUG: B1-U0-G2	7,555	50K	59	120-277	INTEGRAL PHOTOCCELL, MOTION SENSOR/DIM
W4	WALLPACK, FINISHED HEIGHT OF FIXTURE @12-FT	MCGRAW-EDISON #GWC-SA1C-740-U-SL4-MS/DIM-L20; BUG: B1-U0-G3	7,178	50K	59	120-277	INTEGRAL PHOTOCCELL, MOTION SENSOR/DIM

LIGHT FIXTURE NOTES:
 1. PROVIDE A COMPLETE AND OPERABLE SYSTEM INCLUDING ALL NECESSARY MOUNTING HARDWARE, POWER FEEDS, WIRING CONNECTIONS, DRIVERS, AND CONTROL INTERFACES.

1/16" = 1'-0"
 1/8" = 1'-0"
 3/32" = 1'-0"
 1/4" = 1'-0"
 3/16" = 1'-0"
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 5/8" = 1'-0"
 3/4" = 1'-0"
 7/8" = 1'-0"
 1" = 1'-0"

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A
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PHOTOMETRIC SITE PLAN

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