



LOCUS MAP

N.T.S. 

LIST OF DRAWINGS

EX1.0	EXISTING CONDITIONS PLAN
L0.1	SITE NOTES
L1.0	KEY PLAN
SP1.1	SITE PREPARATION AND EROSION CONTROL PLAN
SP1.2	SITE PREPARATION AND EROSION CONTROL DETAILS
L1.1	LAYOUT AND MATERIALS PLAN
L2.1	GRADING PLAN
L3.1	UTILITY PLAN
L3.2	UTILITY DETAIL SHEET I
L4.1	PLANTING PLAN
L4.2	PLANTING DETAILS
L5.1	DETAIL SHEET I
L5.2	DETAIL SHEET II
L5.3	DETAIL SHEET III
L5.4	DETAIL SHEET IV

PERMITTING DOCUMENTS | APRIL 25, 2025

RSU 71 BELFAST AREA HIGH SCHOOL SITE LOCATION OF DEVELOPMENT ACT

BELFAST, ME

OWNER

RSU 71 Belfast Area High School
637 Highland Ave,
Belfast, ME 04106
(207) 338-1790

LANDSCAPE ARCHITECT/CIVIL ENGINEER

Activitas
70 Milton Street
Dedham, MA 02026
(781) 326-2600

WETLAND DELINEATION

Haley Ward
One Merchants Plaza, Suite 701
Bangor, ME 04401
(207) 989-4824

SURVEY

E.S. Coffin Engineering & Surveying, Inc.
432 Cony Road
Chelsea, ME 04330
(207) 623-9475

GEOTECHNICAL ENGINEER

Haley & Aldrich Inc.
465 Medford Street, Suite 2200
Boston, MA 02129
(617) 886-7400

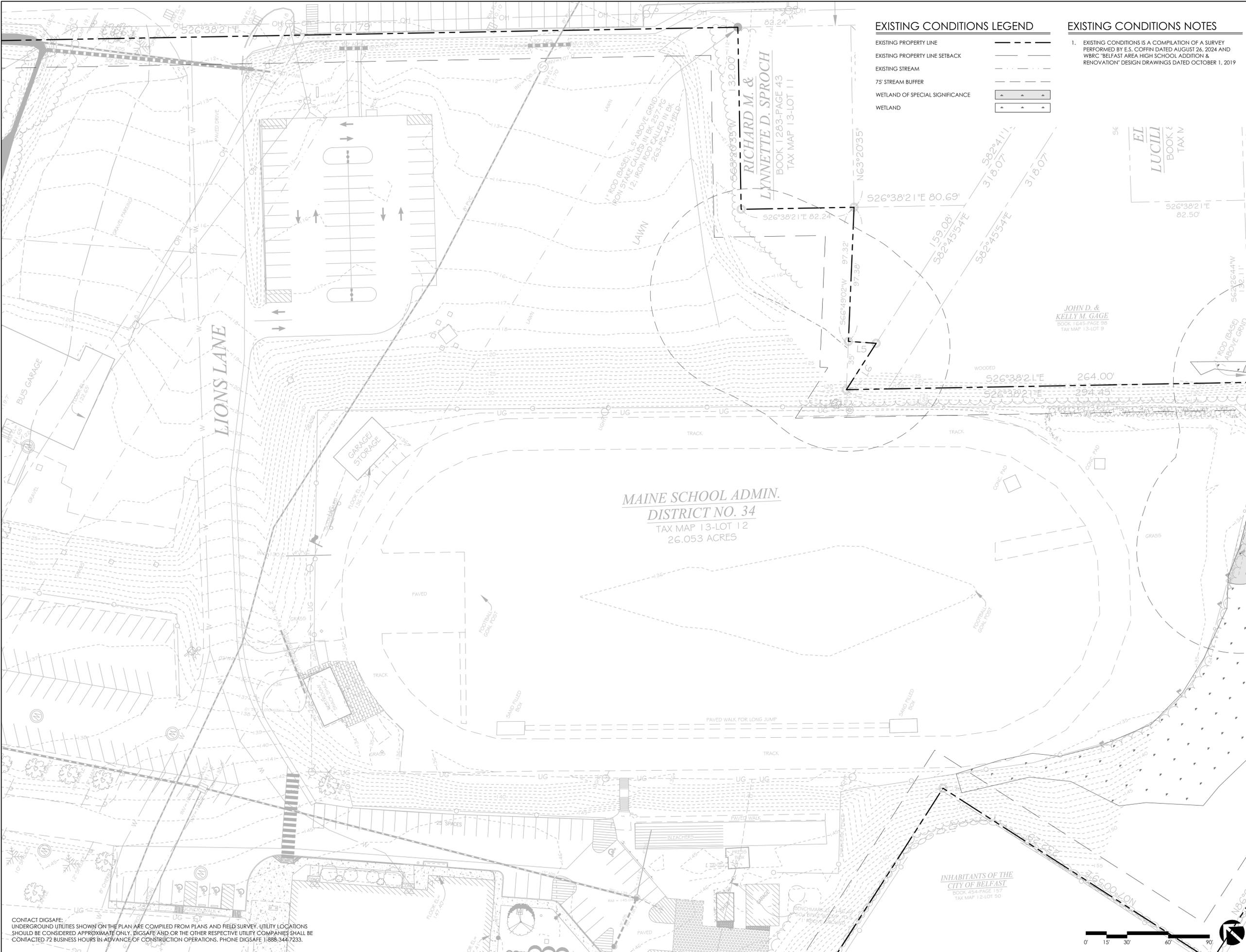
RSU 71 BELFAST AREA HIGH SCHOOL SITE LOCATION OF DEVELOPMENT ACT

PERMITTING DOCUMENTS | APRIL 25, 2025

REVISIONS:			PROJECT NO. 24002.00
NO.	DATE	SHEETS REVISED	NOTES



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EXISTING CONDITIONS LEGEND

- EXISTING PROPERTY LINE
- EXISTING PROPERTY LINE SETBACK
- EXISTING STREAM
- 75' STREAM BUFFER
- WETLAND OF SPECIAL SIGNIFICANCE
- WETLAND

EXISTING CONDITIONS NOTES

1. EXISTING CONDITIONS IS A COMPILATION OF A SURVEY PERFORMED BY E.S. COFFIN DATED AUGUST 26, 2024 AND WBRC "BELFAST AREA HIGH SCHOOL ADDITION & RENOVATION" DESIGN DRAWINGS DATED OCTOBER 1, 2019.

CONSULTANTS
 WETLAND DELINEATION -
 HALEY WARD, INC.
 SURVEY -
 E.S. COFFIN ENGINEERING & SURVEYING, INC.
 GEOTECHNICAL ENGINEER -
 HALEY & ALDRICH, INC

RSU 71 BELFAST AREA HIGH SCHOOL

Belfast, ME
Site Location of Development Act

Permitting Documents
April 25, 2025

REVISIONS:		
NO.	DATE	DESCRIPTION

SCALE: 1"=30'-0"
 PROJECT NO.: 24002.00
 FILE: 24002.00-EX1.0_EX_COND.dwg
 DRAWN: AJA
 CHECKED: SRC/HG
 SEAL:

SHEET TITLE:
EXISTING CONDITIONS
PLAN

SHEET NO:
EX1.0

CONTACT DIGSAFE:
UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE COMPILED FROM PLANS AND FIELD SURVEY. UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE ONLY. DIGSAFE AND/OR THE OTHER RESPECTIVE UTILITY COMPANIES SHALL BE CONTACTED 72 BUSINESS HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS. PHONE DIGSAFE 1-888-344-7233.

CONSULTANTS

WETLAND DELINEATION -
HALEY WARD, INC.

SURVEY -
E.S. COFFIN ENGINEERING & SURVEYING, INC.

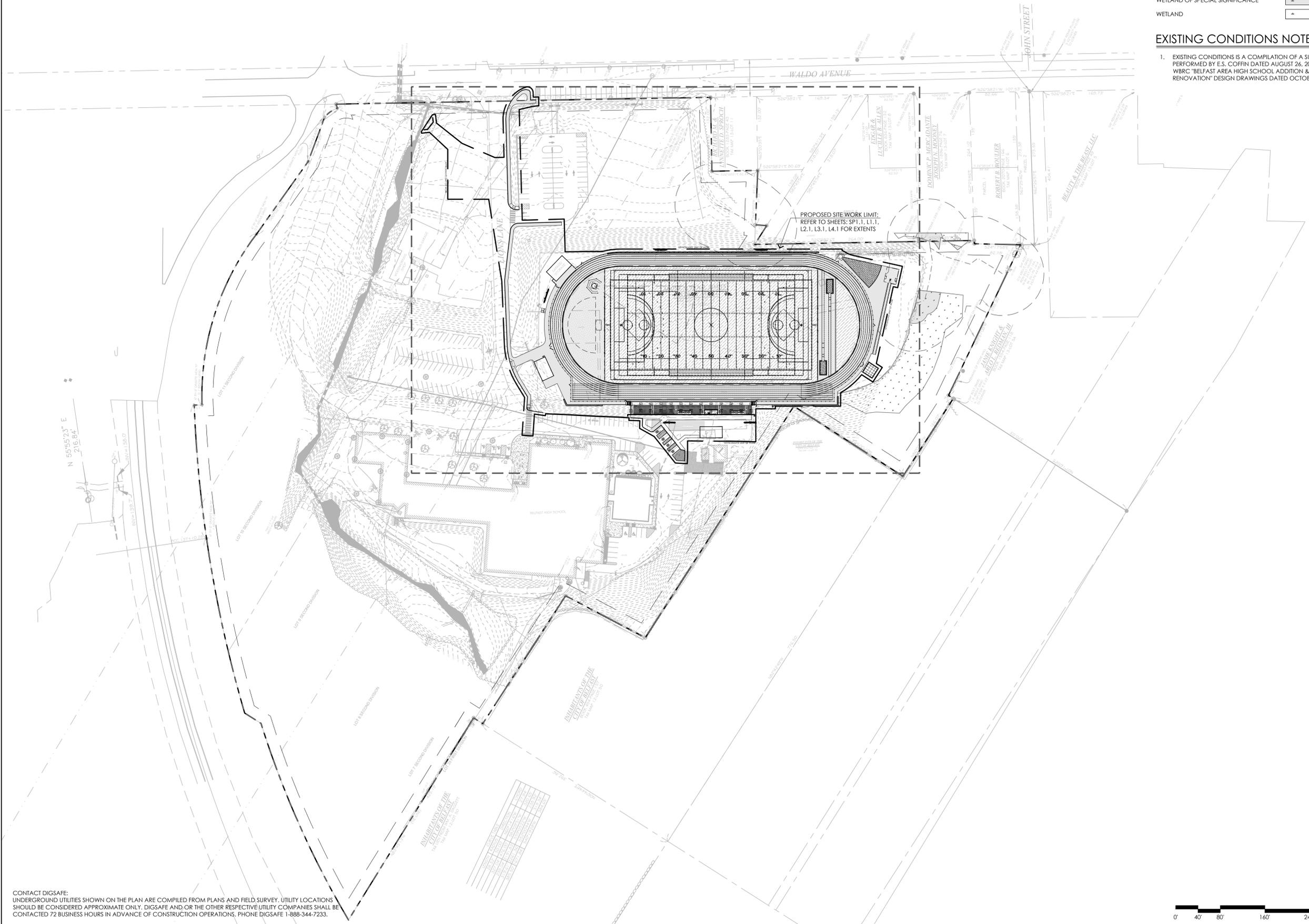
GEOTECHNICAL ENGINEER -
HALEY & ALDRICH, INC.

KEY PLAN LEGEND

- EXISTING PROPERTY LINE
- EXISTING PROPERTY LINE SETBACK
- EXISTING STREAM
- 75' STREAM BUFFER
- WETLAND OF SPECIAL SIGNIFICANCE
- WETLAND

EXISTING CONDITIONS NOTES

1. EXISTING CONDITIONS IS A COMPILATION OF A SURVEY PERFORMED BY E.S. COFFIN DATED AUGUST 26, 2024 AND WBRC "BELFAST AREA HIGH SCHOOL ADDITION & RENOVATION" DESIGN DRAWINGS DATED OCTOBER 1, 2019



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**RSU 71 BELFAST AREA
HIGH SCHOOL**
Belfast, ME
Site Location of Development Act

Permitting Documents
April 25, 2025

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CHECKED: SRC/HG

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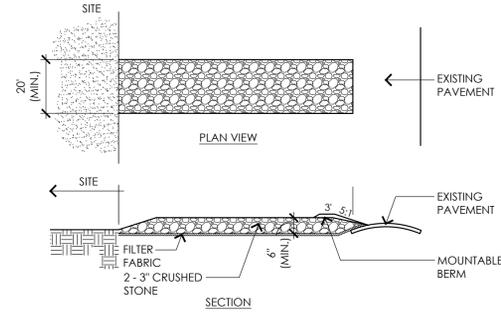
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SHEET TITLE:
KEY PLAN

SHEET NO:
L1.0

NOTES:

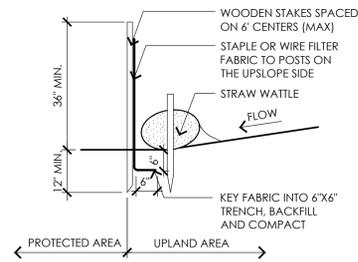
- ENTRANCE WIDTH SHALL BE A TWENTY (20) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHT-OF-WAY OR ADJACENT DRIVES AND PARKING AREAS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED AND/OR TRACKED ONTO PUBLIC RIGHTS-OF-WAYS OR ADJACENT DRIVES AND PARKING AREAS MUST BE REMOVED IMMEDIATELY. MOUNTABLE BERM SHALL BE PERMITTED.
- CONTRACTOR SHALL WASH WHEELS OF VEHICLES AT CONSTRUCTION ENTRANCE PRIOR TO VEHICLES EXITING SITE TO PREVENT SOIL MATERIAL FROM BEING TRACKED FROM THE SITE.
- CONTRACTOR SHALL PROVIDE PERIODIC INSPECTION AND MAINTENANCE.



1 TEMPORARY CONSTRUCTION ENTRANCE
NOT TO SCALE

NOTES:

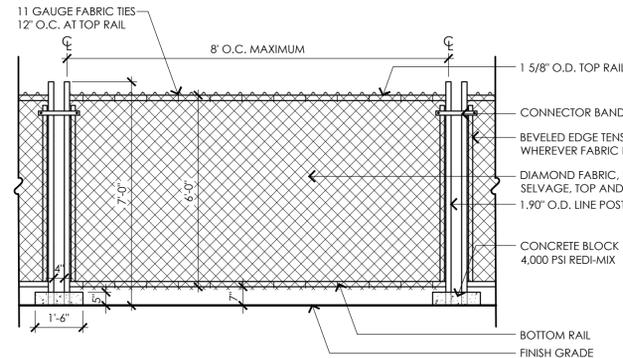
- FILTER FABRIC TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIES OR STAPLES. POST SHALL BE STEEL EITHER "T" OR "U" SHAPED OR HARDWOOD.
- FILTER CLOTH SHALL BE FASTENED SECURELY WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.
- WIRE MESH AND FABRIC IS OPTIONAL.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN SEDIMENT FENCE.



4 SILTATION FENCE WITH EROSION CONTROL STRAW WATTLE
NOT TO SCALE

NOTES:

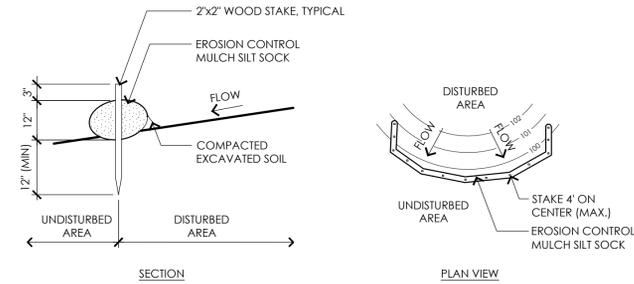
- TEMPORARY CONSTRUCTION FENCE SHALL BE PROVIDED AT PROJECT LIMITS AS SHOWN AND SPECIFIED. CONTRACTOR PROPOSED MODIFICATIONS TO TEMPORARY CONSTRUCTION FENCE, SUCH AS BUT NOT LIMITED TO THE USE OF SNOW FENCE (OR SIMILAR) WILL NOT BE CONSIDERED UNLESS OTHERWISE NOTED.
- POST SPACING SHALL BE EQUIDISTANT.
- CONTRACTOR SHALL MAINTAIN A SECURE SITE AT ALL TIMES. CONTRACTOR SHALL PROVIDE ADDITIONAL TEMPORARY CONSTRUCTION FENCE AT NO ADDITIONAL COST TO THE OWNER IF NECESSARY TO PROPERLY SECURE THE SITE.
- TEMPORARY CONSTRUCTION FENCE SHALL HAVE KNUCKLED SELVAGES OR A TEMPORARY FENCE GUARD ALONG THE EXISTING SKATE PARK.
- TEMPORARY CONSTRUCTION FENCE TO HAVE A MINIMUM OF EIGHT (8) FENCE MOUNTED "CONSTRUCTION ZONE - AUTHORIZED PERSONNEL ONLY" SIGNS.



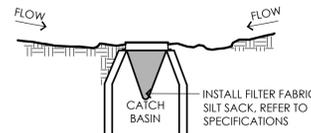
2 TEMPORARY CONSTRUCTION FENCE
NOT TO SCALE

NOTES:

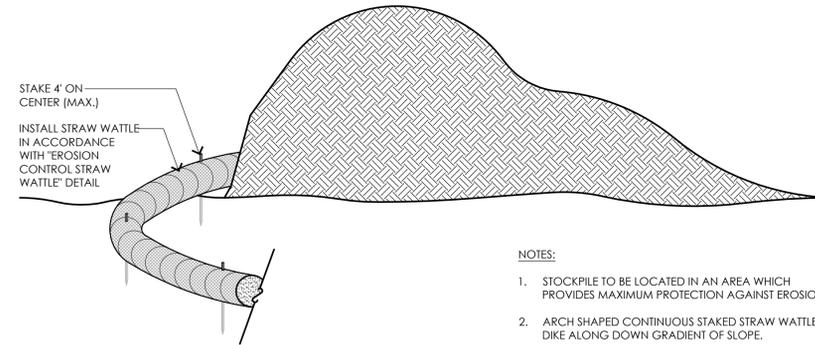
- PLACE EROSION CONTROL MULCH SILT SOCK ON LEVEL GRADE. EXTEND BOTH ENDS OF THE TUBE AT LEAST 8'-0" UPSLOPE AT 45 DEGREES TO THE MAIN ALIGNMENT.
- REMOVE DEPOSITS WHEN SEDIMENT ACCUMULATION IS ONE THIRD THE HEIGHT OF THE EXPOSED EROSION CONTROL MULCH SILT SOCK OR ONE HALF OF THE EXPOSED FILTER SOCK.
- EROSION CONTROL MULCH SILT SOCK SHALL REMAIN IN WORKING ORDER UNTIL THE SITE IS STABILIZED. ADDITIONAL EROSION CONTROLS SHALL BE INSTALLED AS NEEDED TO PREVENT SILT FROM LEAVING THE SITE AT NO ADDITIONAL COST TO THE OWNER.
- ALL CONTROLS SHALL BE SET 5' FROM BOTTOM TOE OF SLOPE



3 EROSION CONTROL STRAW WATTLE
NOT TO SCALE



5 SILT SACK
NOT TO SCALE



NOTES:

- STOCKPILE TO BE LOCATED IN AN AREA WHICH PROVIDES MAXIMUM PROTECTION AGAINST EROSION.
- ARCH SHAPED CONTINUOUS STAKED STRAW WATTLE DIKE ALONG DOWN GRADIENT OF SLOPE.

6 TEMPORARY MATERIAL STOCKPILE
NOT TO SCALE

CONSULTANTS

WETLAND DELINEATION -
HALEY WARD, INC.
SURVEY -
E.S. COFFIN ENGINEERING & SURVEYING, INC.
GEOTECHNICAL ENGINEER -
HALEY & ALDRICH, INC

RSU 71 BELFAST AREA
HIGH SCHOOL
Belfast, ME
Site Location of Development Act

Permitting Documents
April 25, 2025

REVISIONS:

NO.	DATE	DESCRIPTION

SCALE: AS NOTED
PROJECT NO.: 24002.00
FILE: 24002.00-SP1.2-SP_DET_1.dwg
DRAWN: AJA
CHECKED: SRC/HG

SEAL:

04/25/25

SHEET TITLE:
SITE PREPARATION
DETAILS

SHEET NO:
SP1.2

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**RSU 71 BELFAST AREA
 HIGH SCHOOL**
 Belfast, ME
 Site Location of Development Act

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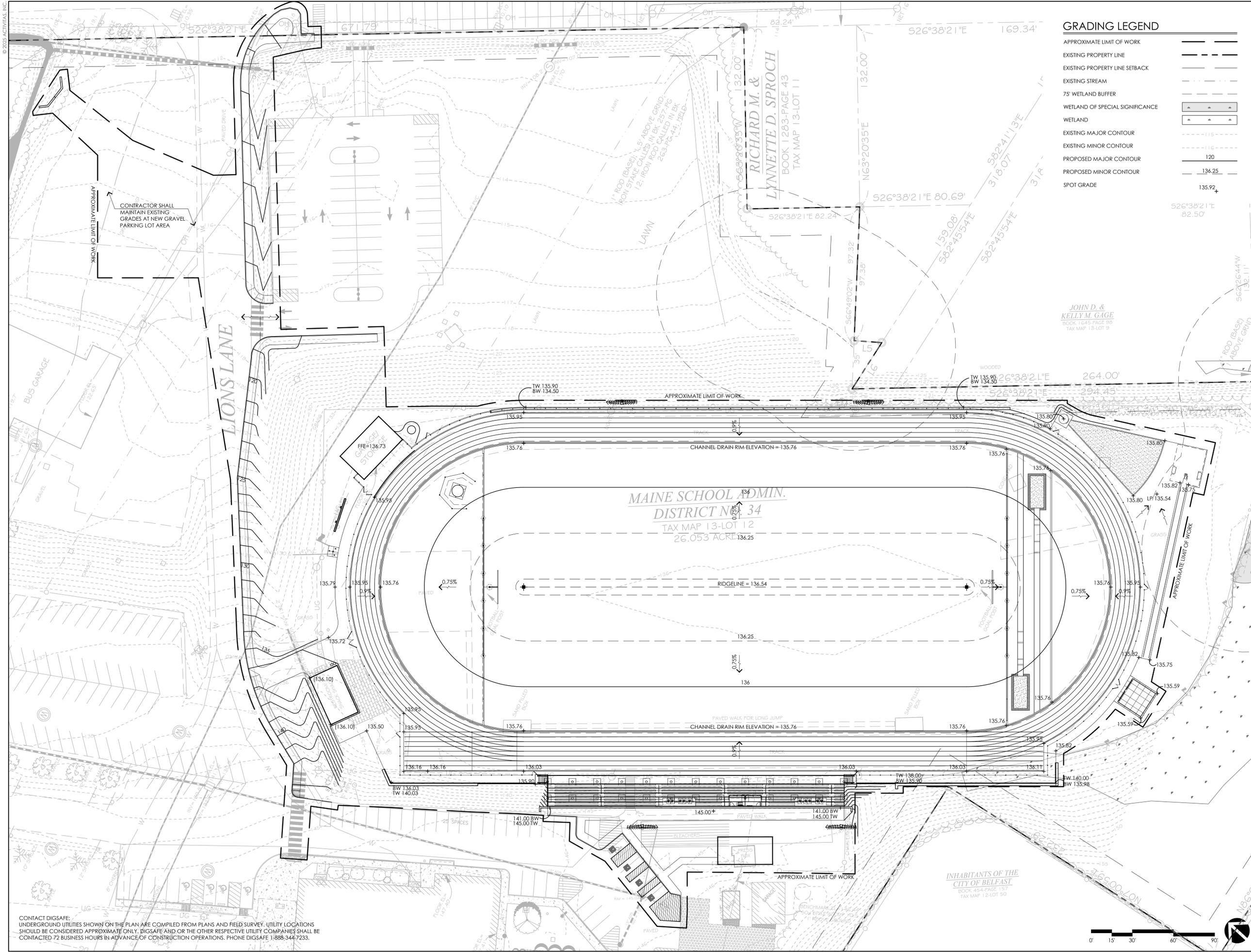
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 CHECKED: SRC/HG

SEAL:

 04/25/25

SHEET TITLE:
 GRADING PLAN

SHEET NO.:
L2.1

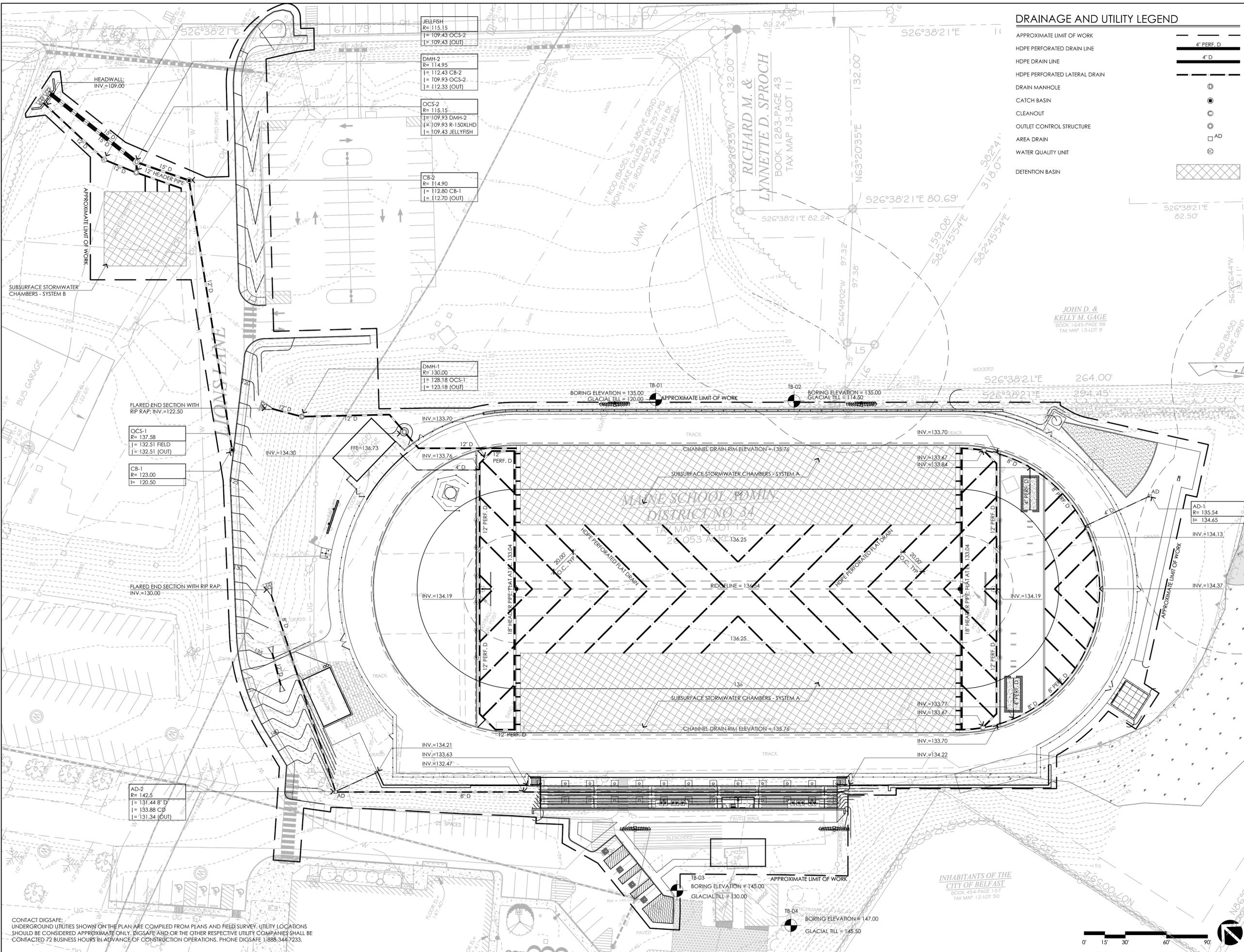


GRADING LEGEND

APPROXIMATE LIMIT OF WORK	---
EXISTING PROPERTY LINE	---
EXISTING PROPERTY LINE SETBACK	---
EXISTING STREAM	---
75' WETLAND BUFFER	---
WETLAND OF SPECIAL SIGNIFICANCE	---
WETLAND	---
EXISTING MAJOR CONTOUR	---
EXISTING MINOR CONTOUR	---
PROPOSED MAJOR CONTOUR	120
PROPOSED MINOR CONTOUR	136.25
SPOT GRADE	135.92

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DRAINAGE AND UTILITY LEGEND

APPROXIMATE LIMIT OF WORK	4" PERF. D
HDPE PERFORATED DRAIN LINE	4" D
HDPE DRAIN LINE	4" D
HDPE PERFORATED LATERAL DRAIN	4" D
DRAIN MANHOLE	AD
CATCH BASIN	CB
CLEANOUT	CO
OUTLET CONTROL STRUCTURE	OCS
AREA DRAIN	AD
WATER QUALITY UNIT	WQU
DETENTION BASIN	DB

ACTIVITAS
 landscape architecture | civil engineering
 70 Milton Street | Dedham, MA 02026-2915
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CONSULTANTS

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SURVEY -
E.S. COFFIN ENGINEERING & SURVEYING, INC.

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HALEY & ALDRICH, INC.

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 HIGH SCHOOL**
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PROJECT NO.: 24002.00

FILE: 24002.00-L3.1-UT_PLAN.dwg

DRAWN: BJM

CHECKED: SRC/HG

SEAL:

04/25/25

SHEET TITLE:
 UTILITY PLAN

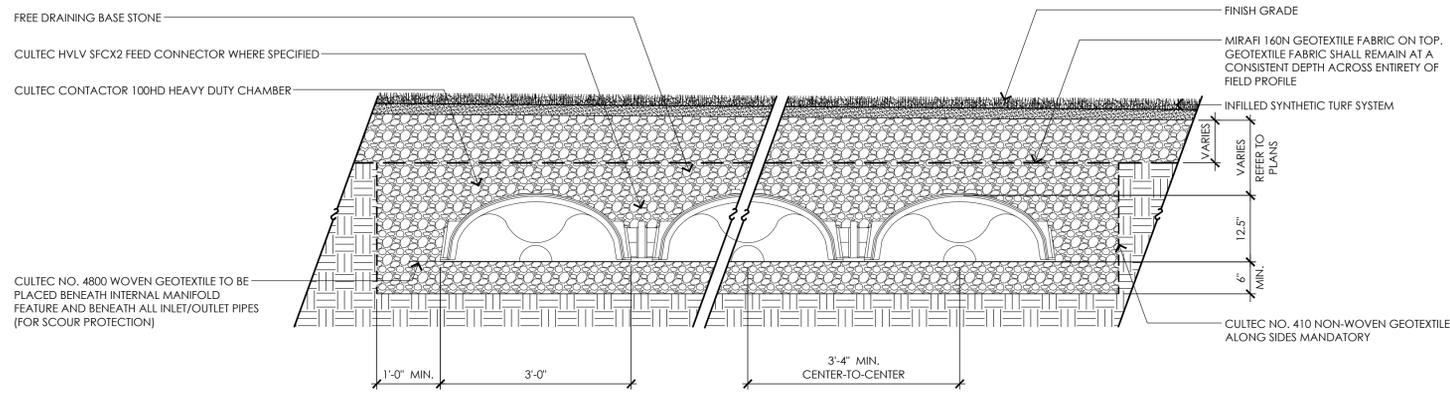
SHEET NO:
L3.1

CONTACT DIGSAFE: UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE COMPILED FROM PLANS AND FIELD SURVEY. UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE ONLY. DIGSAFE AND/OR THE OTHER RESPECTIVE UTILITY COMPANIES SHALL BE CONTACTED 72 BUSINESS HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS. PHONE DIGSAFE 1-888-344-7233.



NOTES:

- DESIGN BASED ON CULTEC C-100HD SYSTEM.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR CHAMBER SYSTEM TO INCLUDE ALL HEADER PIPES AND CONNECTIONS TO THE SYSTEM.
- CONTRACTOR MAY PROPOSE ALTERNATE SYSTEM, BUT IS RESPONSIBLE FOR ALL CALCULATIONS TO SHOW COMPLIANCE WITH SYSTEM REQUIREMENTS.



SYSTEM CALCULATIONS

OVERALL FOOTPRINT	115' X 317.5'
TOTAL STORAGE VOLUME	47,295 CF
STONE VOID RATIO	30%
ESTIMATED # OF UNITS	1,428
UNIT TYPE	C-100HD

*REFER TO PLAN LAYOUT FOR SPLIT SYSTEMS

SYSTEM ELEVATIONS

SYSTEM COMPONENT	ELEVATION
GROUNDWATER	-123.00
BOTTOM OF STONE	132.54
BOTTOM OF CULTECS	133.04
TOP OF CULTECS	134.08
TOP OF STONE	134.91
FINISH GRADE*	135.76

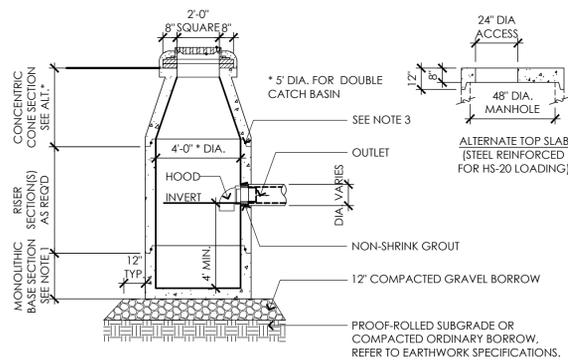
*AT EDGE OF TRACK

1 SUBSURFACE STORMWATER CHAMBERS - SYSTEM A

NOT TO SCALE

NOTES:

- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
- PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
- JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
- CATCH BASIN FRAME SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR. (2 BRICK COURSES MIN., 5 BRICK COURSES MAX.)

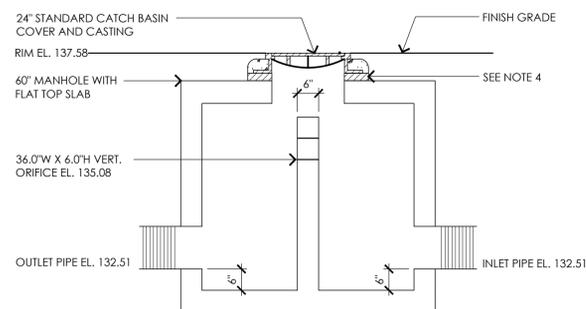


3 CATCH BASIN

NOT TO SCALE

NOTES:

- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
- PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
- JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
- ADJUST RIM WITH CLAY BRICK AND MORTAR TO SIT FLUSH WITH FINISH GRADE

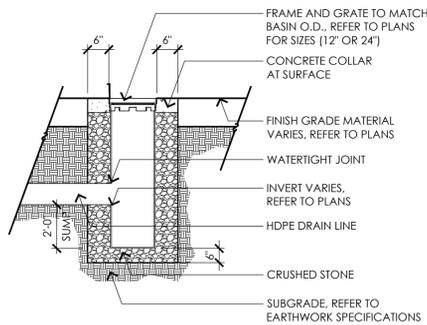


7 OUTLET CONTROL STRUCTURE - 1

NOT TO SCALE

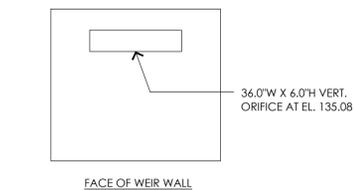
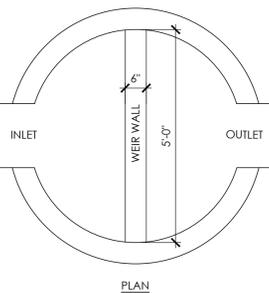
NOTES:

- GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE.



4 AREA DRAIN

NOT TO SCALE



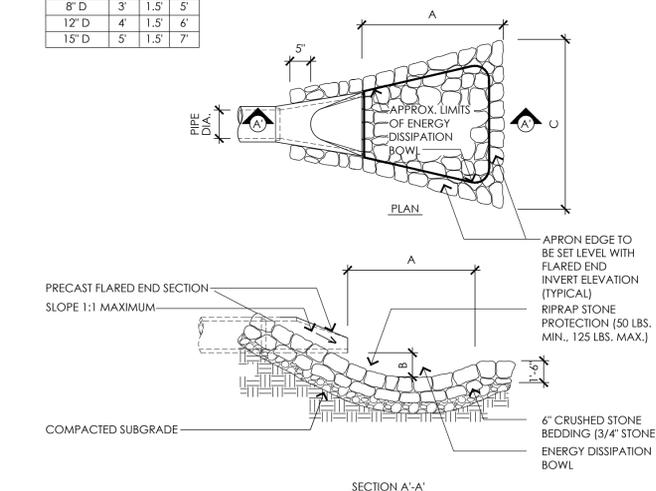
FACE OF WEIR WALL

5 UTILITY TRENCH

NOT TO SCALE

RIP RAP APRON SIZING

PIPE DIA.	A	B	C
8\"/>			



8 FLARED END SECTION WITH RIP RAP

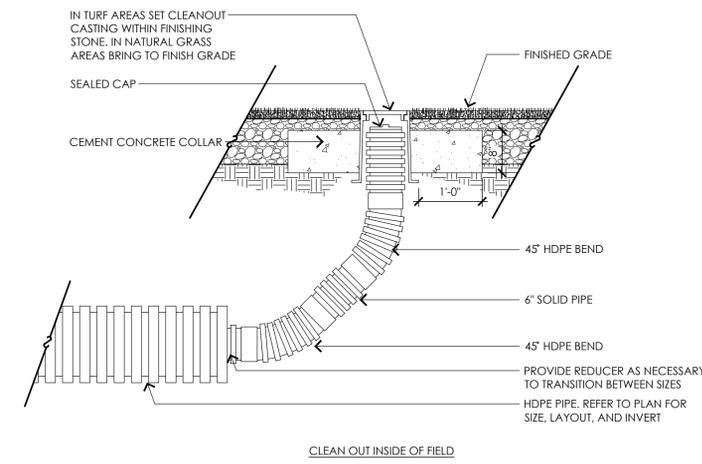
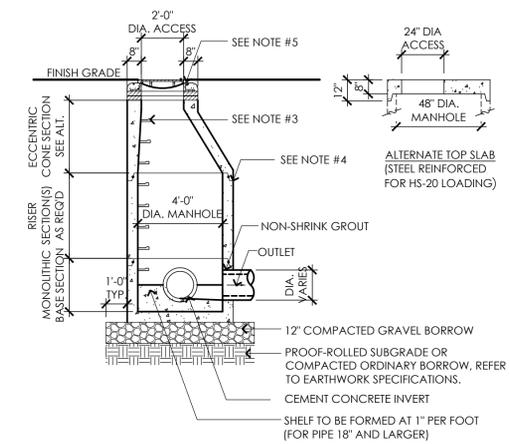
NOT TO SCALE

2 DRAIN MANHOLE

NOT TO SCALE

NOTES:

- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
- PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
- COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
- JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
- DRAIN MANHOLE FRAME SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES MINIMUM 5 BRICK COURSES MAXIMUM)



6 CLEANOUT

NOT TO SCALE

CONSULTANTS

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SURVEY -
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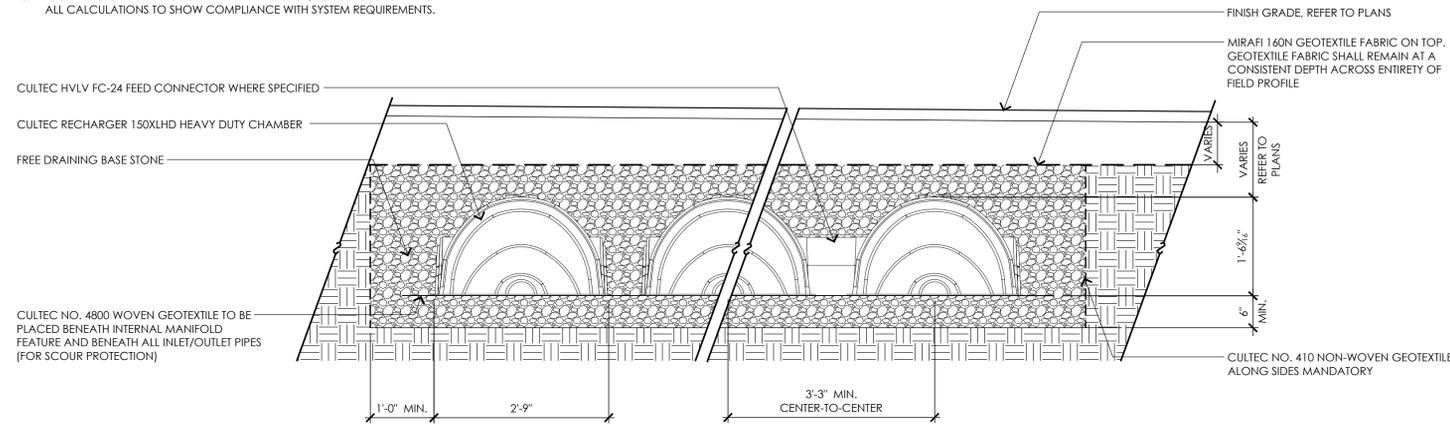
SEAL:

04/25/25

SHEET TITLE:
UTILITY DETAIL SHEET I

SHEET NO:
L3.2

- NOTES:**
- DESIGN BASED ON CULTEC R-150XLHD SYSTEM.
 - CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR CHAMBER SYSTEM TO INCLUDE ALL HEADER PIPES AND CONNECTIONS TO THE SYSTEM.
 - CONTRACTOR MAY PROPOSE ALTERNATE SYSTEM, BUT IS RESPONSIBLE FOR ALL CALCULATIONS TO SHOW COMPLIANCE WITH SYSTEM REQUIREMENTS.

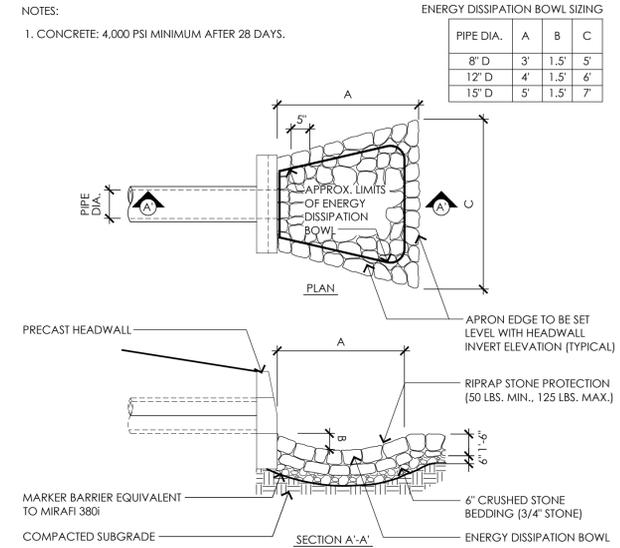


SYSTEM CALCULATIONS

OVERALL FOOTPRINT	60.0' X 54'
TOTAL STORAGE VOLUME	4,207 CF
STONE VOID RATIO	30%
ESTIMATED # OF UNITS	90
UNIT TYPE	R-150XLHD

SYSTEM ELEVATIONS

SYSTEM COMPONENT	ELEVATION
GROUNDWATER	-
BOTTOM OF CULTCS	109.93
BOTTOM OF CULTCS	110.43
TOP OF CULTCS	111.97
TOP OF STONE	112.47
FINISH GRADE	VARIES



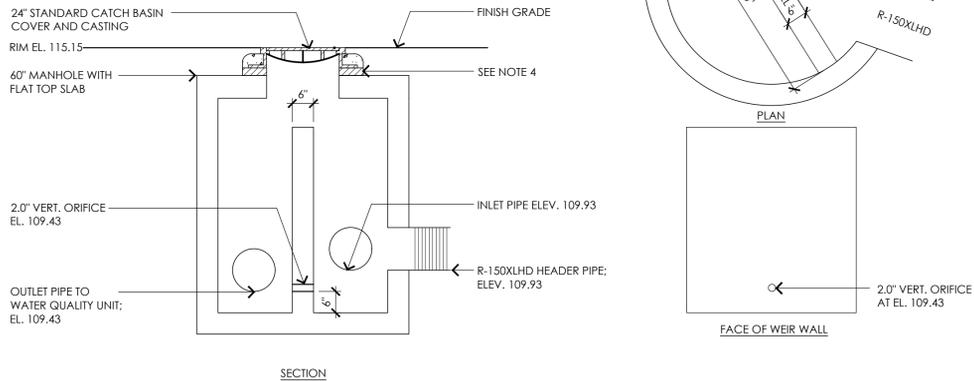
2 HEADWALL WITH RIP RAP
NOT TO SCALE

NOTES:

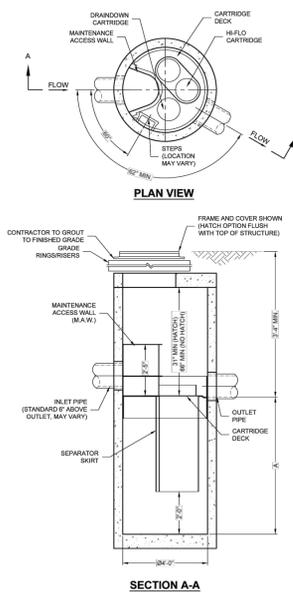
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.

1 SUBSURFACE STORMWATER CHAMBERS - SYSTEM B
NOT TO SCALE

- NOTES:**
- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 - PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 - JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 - ADJUST RIM WITH CLAY BRICK AND MORTAR TO SIT FLUSH WITH FINISH GRADE



3 OUTLET CONTROL STRUCTURE - 2
NOT TO SCALE



4 WATER QUALITY UNIT
NOT TO SCALE

JELLYFISH DESIGN NOTES

JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MANHOLE STYLE IS SHOWN. 8\"/>

CARTRIDGE SELECTION	54"	48"	36"	24"
CARTRIDGE DEPTH	60"	60"	60"	60"
OUTLET INVERT TO STRUCTURE INVERT (ft)	0.20'	0.20'	0.20'	0.20'
FLOW RATE HIGH FLOW (DRANDOWN) (MGD) (PER CAR)	0.18 / 0.09	0.13 / 0.065	0.09 / 0.045	0.05 / 0.025
MAX. CARTRIDGE HEAD LOSS / DRANDOWN	2.1'			

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	WATER QUALITY FLOW RATE (cfs)	PEAK FLOW RATE (cfs)	RETURN PERIOD OF PEAK FLOW (yrs)	# OF CARTRIDGES REQUIRED (W/F 100)	CARTRIDGE SIZE
PIPE DATA	FE	MATERIAL	DIAMETER		
INLET PIPE #1					
INLET PIPE #2					
OUTLET PIPE					
RIM ELEVATION					
ANTI-FLOUTATION BALLAST	WIDTH	HEIGHT			

NOTES/SPECIAL REQUIREMENTS:
* PER ENGINEER OF RECORD

GENERAL NOTES:

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE: www.contecheng.com
- JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- STRUCTURE SHALL MEET ALL STATE OR FEDERAL JURISDICTION REQUIREMENTS, WHICHEVER IS MORE STRINGENT, ASSUMING EARTH COVER OF 0 - 3' AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CARTRIDGES SHALL MEET AND NOT BE LESS THAN THE LOAD RATING AND BE CAST WITH THE CONTECH LOAD.
- STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND ASBTD LOAD FACTOR DESIGN METHOD.
- NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED TO DATE PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

INSTALLATION NOTES:

- ANY FILL BASE, BACKFILL DEPTH, AND/OR ANTI-FLOUTATION 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 STRUCTURE (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR WILL INSTALL AND LEVEL THE STRUCTURE, SEALING THE JOINTS, LINE ENTRY AND EXIT POINTS (NON-SHRINK GROUT WITH APPROVED WATERSTOP OR ELDBLE BOOT).
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.
- CARTRIDGE INSTALLATION BY CONTECH SHALL OCCUR ONLY AFTER SITE HAS BEEN STABILIZED AND THE JELLYFISH UNIT IS CLEAN AND FREE OF DEBRIS. CONTACT CONTECH TO COORDINATE CARTRIDGE INSTALLATION WITH SITE STABILIZATION AT (866) 740-3318.

CONSULTANTS

WETLAND DELINEATION -
HALEY WARD, INC.

SURVEY -
E.S. COFFIN ENGINEERING & SURVEYING, INC.

GEOTECHNICAL ENGINEER -
HALEY & ALDRICH, INC.

**RSU 71 BELFAST AREA
HIGH SCHOOL**
Belfast, ME
Site Location of Development Act

Permitting Documents
April 25, 2025

REVISIONS:

NO.	DATE	DESCRIPTION

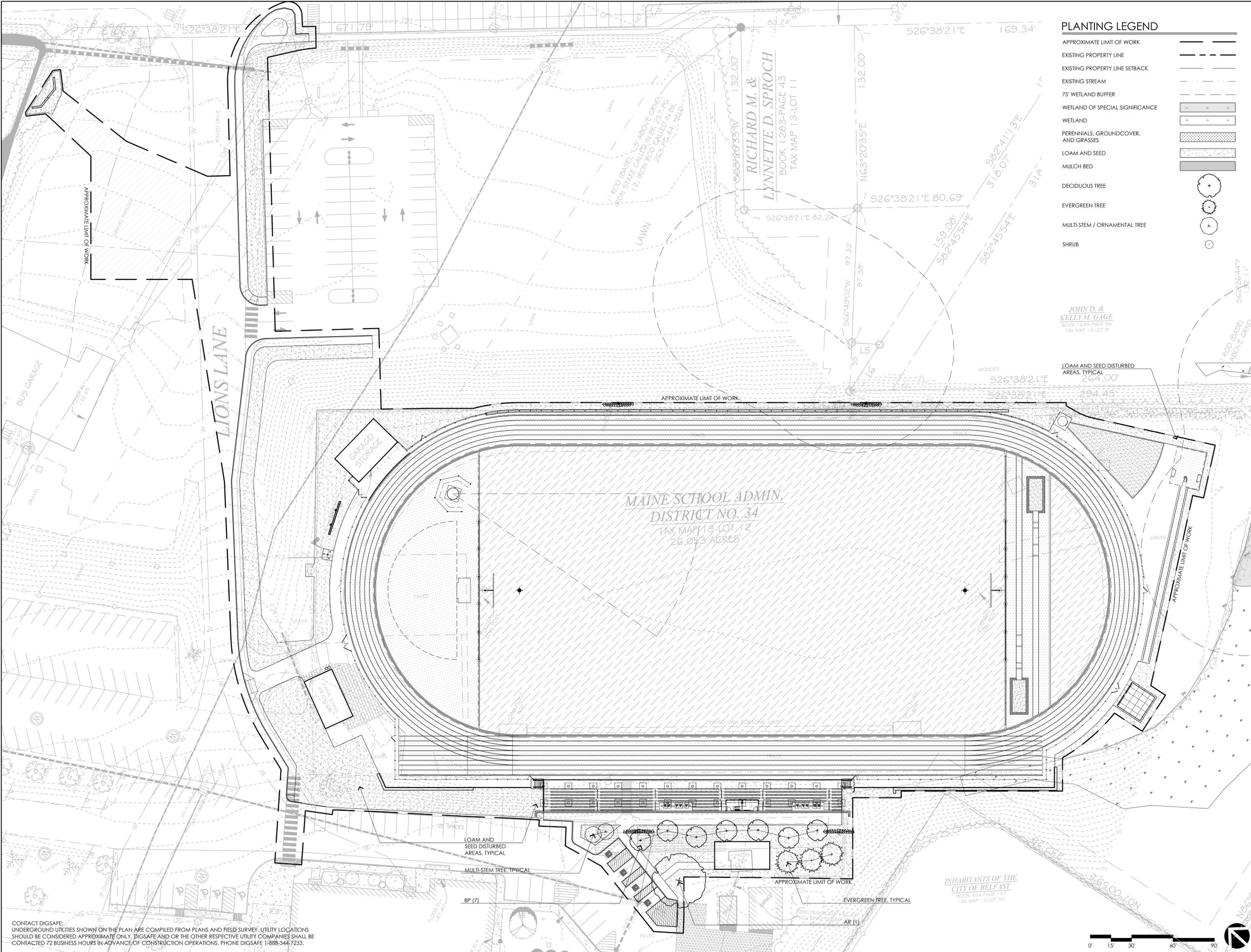
SCALE: AS NOTED
PROJECT NO.: 24002.00
FILE: 24002.00-L3.2-UT_DET.dwg
DRAWN: BJM
CHECKED: SRC/HG

SEAL:

04/25/25

SHEET TITLE:
UTILITY DETAIL SHEET II

SHEET NO:
L3.3



PLANTING LEGEND

APPROXIMATE LIMIT OF WORK	---
EXISTING PROPERTY LINE	- - - -
EXISTING PROPERTY LINE SETBACK	- · - · -
EXISTING STREAM	~~~~~
75' WETLAND BUFFER	-----
WETLAND OF SPECIAL SIGNIFICANCE	-----
WETLAND	-----
PERENNIALS, GROUNDCOVER, AND GRASSES	▨
LOAM AND SEED	▩
MULCH BED	▧
DECIDUOUS TREE	⊕
EVERGREEN TREE	⊗
MULTI-STEM / ORNAMENTAL TREE	⊕
SHRUB	⊙

CONSULTANTS

WETLAND DELINEATION -
 HALEY WARD, INC.

SURVEY -
 E.S. COFFIN ENGINEERING & SURVEYING, INC.

GEOTECHNICAL ENGINEER -
 HALEY & ALDRICH, INC.

**RSU 71 BELFAST AREA
 HIGH SCHOOL**
 Belfast, ME
 Site Location of Development Act

Permitting Documents
 April 25, 2025

REVISIONS:

NO.	DATE	DESCRIPTION

SCALE: 1"=30'-0"
 PROJECT NO.: 24002.00
 FILE: 24002.00-L4.1-P_PLAN.dwg
 DRAWN: AJA
 CHECKED: SRC/HG

SEAL:

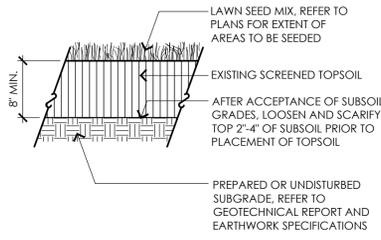
SHEET TITLE:
PLANTING PLAN

SHEET NO.:
L4.1

CONTACT DIGSAFE. UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE COMPILED FROM PLANS AND FIELD SURVEY. UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE ONLY. DIGSAFE AND/OR THE OTHER RESPECTIVE UTILITY COMPANIES SHALL BE CONTACTED 72 BUSINESS HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS. PHONE DIGSAFE 1-888-344-7233.



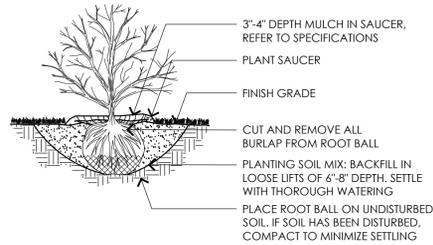
CONSULTANTS
 WETLAND DELINEATION -
 HALEY WARD, INC.
 SURVEY -
 E.S. COFFIN ENGINEERING & SURVEYING, INC.
 GEOTECHNICAL ENGINEER -
 HALEY & ALDRICH, INC



1 LOAM AND SEED
 NOT TO SCALE

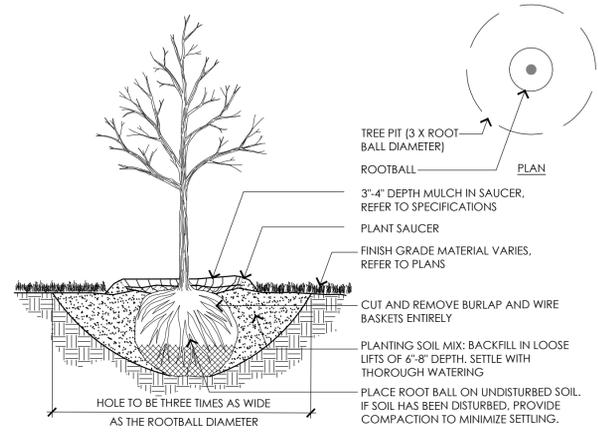
NOTES:

- SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.
- WHERE SHRUBS OCCUR IN GROUPINGS IN PLANT BEDS, PROVIDE 2- FOOT DEEP CONTINUOUS LOAM BED.



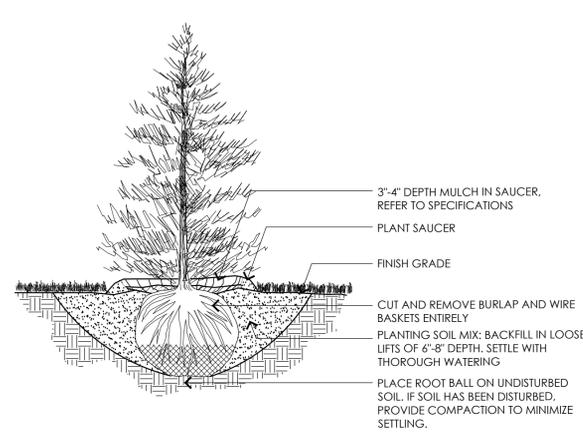
5 SHRUB
 NOT TO SCALE

NOTE:
 TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.



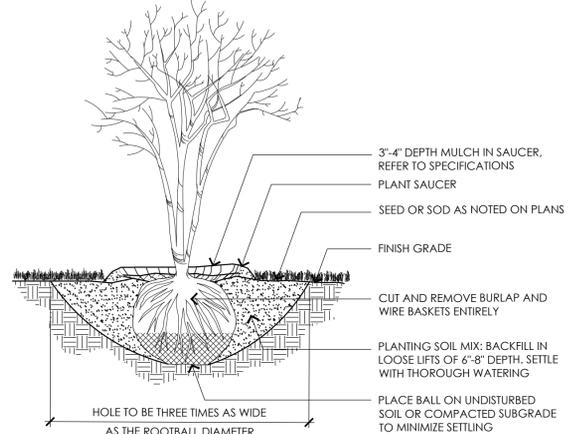
2 DECIDUOUS TREE
 NOT TO SCALE

NOTE:
 TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.



3 EVERGREEN TREE
 NOT TO SCALE

NOTE:
 TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.



4 MULTI-STEM TREE
 NOT TO SCALE

SUGGESTED TREES, SHRUBS, AND GRASSES

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	COMMENTS
DECIDUOUS TREES					
AR	ACER RUBRUM	RED MAPLE	X	2-2.5' CAL	B&B
AA	AMELANCHIER ARBOREA	COMMON SERVICEBERRY	X	7'-8' HT	B&B; MULTI-STEM
BP	BETULA POPULIFOLIA 'WHITESPIRE'	WHITESPIRE BIRCH	X	2-2.5' CAL	B&B
EVERGREEN TREES					
JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	X	8'-10' HT	B&B
SHRUBS (SUGGESTED-FINAL DESIGN & QUANTITY TBD)					
CA	CALAMAGROSTIS ACUTIFLORA 'KARL FOESRTER'	FEATHER REED GRASS	X	3 GAL	SPACE 36" O.C.
IG	ILEX GLABRA	SHAMROCK INKBERRY	X	3 GAL	SPACE 36" O.C.
IV	ILEX VERTICILLATA	WINTERBERRY HOLLY	X	3 GAL	SPACE 36" O.C.
LB	LINDERA BENZOIN	SPICEBUSH	X	3 GAL	SPACE 36" O.C.
PA	PENNISETUM ALOPECUROIDES 'HAEMEL'	DWARF FOUNTAIN GRASS	X	3 GAL	SPACE 36" O.C.

**RSU 71 BELFAST AREA
 HIGH SCHOOL**
 Belfast, ME
 Site Location of Development Act

Permitting Documents
 April 25, 2025

REVISIONS:

NO.	DATE	DESCRIPTION

SCALE: AS NOTED
 PROJECT NO.: 24002.00
 FILE: 24002.00-1.4.2-P_DET.dwg
 DRAWN: AJA
 CHECKED: SRC/HG

SEAL:

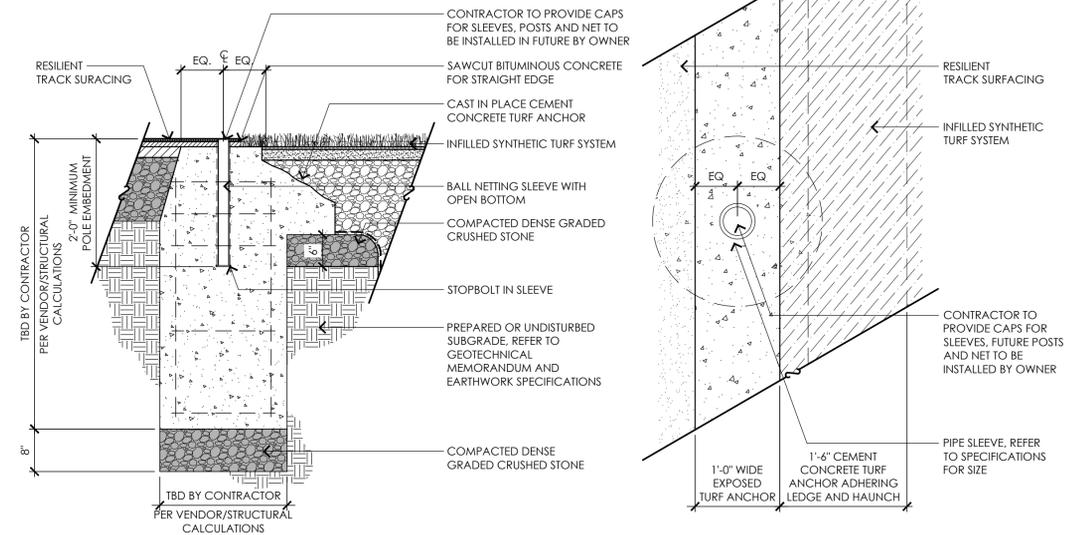
 04/25/25

SHEET TITLE:
**PLANTING DETAILS
 AND SCHEDULE**

SHEET NO:
L4.2

NOTES:

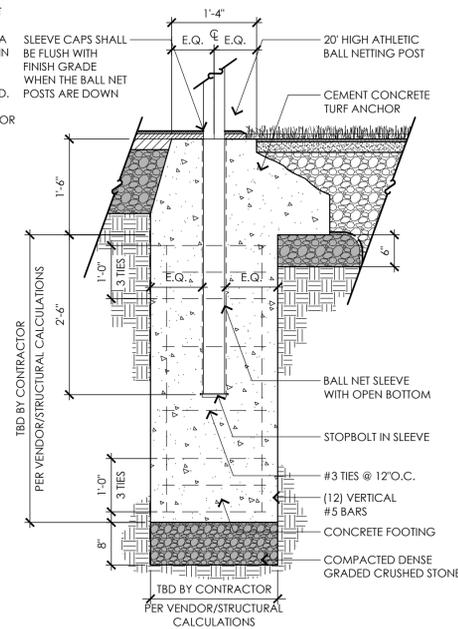
1. SIZE OF 10' HIGH BALL NETTING POST FOOTING IS SHOWN FOR INTENT ONLY. CONTRACTOR SHALL PROVIDE (AT HIS/HER OWN COST) STRUCTURAL DESIGN OF THE FOUNDATIONS BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MAINE AND SHALL CARRY COSTS ASSOCIATED WITH STRUCTURAL DESIGN IN HIS/HER BID.
2. CONTRACTOR SHALL EXCAVATE FOR FOOTING TO DEPTH AS REQUIRED. REFER TO GEOTECHNICAL MEMORANDUM AND DESIGN RECOMMENDATIONS.
3. REBAR SHOWN FOR INTENT ONLY. MUST BE PROVIDED IN SHOP DRAWINGS NOTED ABOVE.



1 10' HIGH ATHLETIC BALL NET POST IN "D" AREA TURF ANCHOR
SCALE: 3/4" = 1'-0"

NOTES:

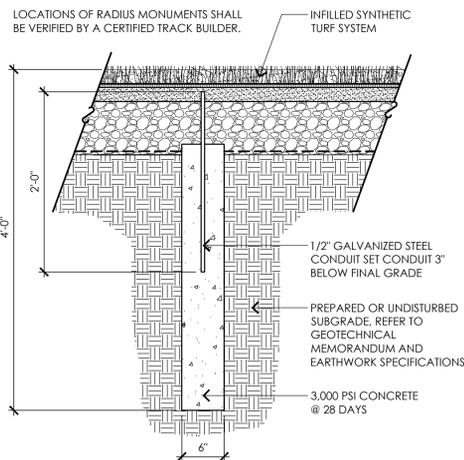
1. SIZE OF 20' HIGH ATHLETIC BALL NETTING FOOTING AND REBAR IS SHOWN FOR INTENT ONLY. CONTRACTOR SHALL PROVIDE (AT HIS/HER OWN COST) STRUCTURAL DESIGN OF THE FOUNDATIONS BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MAINE AND SHALL CARRY COSTS ASSOCIATED WITH STRUCTURAL DESIGN IN HIS/HER BID.
2. CONTRACTOR SHALL EXCAVATE FOR FOOTING TO DEPTH AS REQUIRED. REFER TO GEOTECHNICAL MEMORANDUM AND DESIGN RECOMMENDATIONS.
3. REBAR SHOWN FOR INTENT ONLY. MUST BE PROVIDED IN SHOP DRAWINGS NOTED ABOVE.



2 20' HIGH ATHLETIC BALL NET POST IN "D" AREA TURF ANCHOR
SCALE: 3/4" = 1'-0"

NOTE:

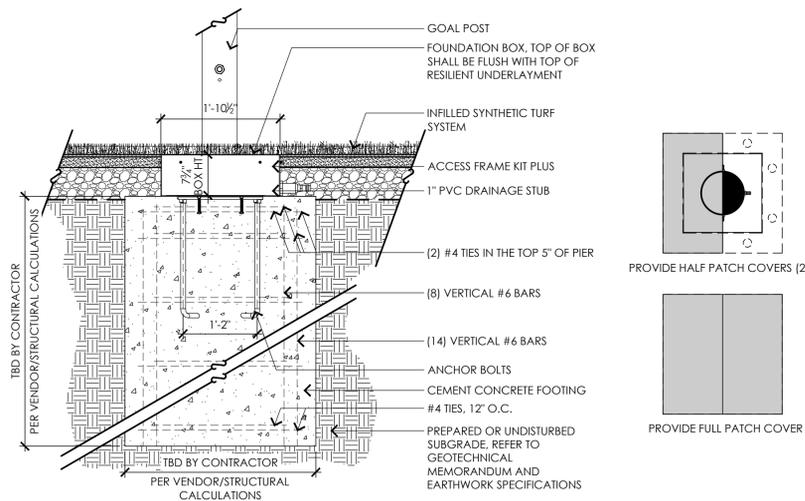
LOCATIONS OF RADIUS MONUMENTS SHALL BE VERIFIED BY A CERTIFIED TRACK BUILDER.



3 RADIUS MONUMENT
SCALE: 1" = 1'-0"

NOTES:

1. REFER TO SPECIFICATIONS FOR ATHLETIC EQUIPMENT INFORMATION AND ACCEPTABLE MANUFACTURERS.
2. REFER TO SPECIFICATIONS FOR GOAL POST PADDING REQUIREMENTS.
3. SIZE OF FOOTBALL GOAL POST FOOTING IS SHOWN FOR INTENT ONLY. CONTRACTOR SHALL PROVIDE (AT HIS/HER OWN COST) STRUCTURAL DESIGN OF THE FOUNDATIONS BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF MAINE AND SHALL CARRY COSTS ASSOCIATED WITH THE INSTALLATION OF THE STRUCTURAL DESIGN IN HIS/HER BID.
4. REBAR SHOWN FOR INTENT ONLY. MUST BE PROVIDED IN SHOP DRAWINGS NOTED ABOVE.



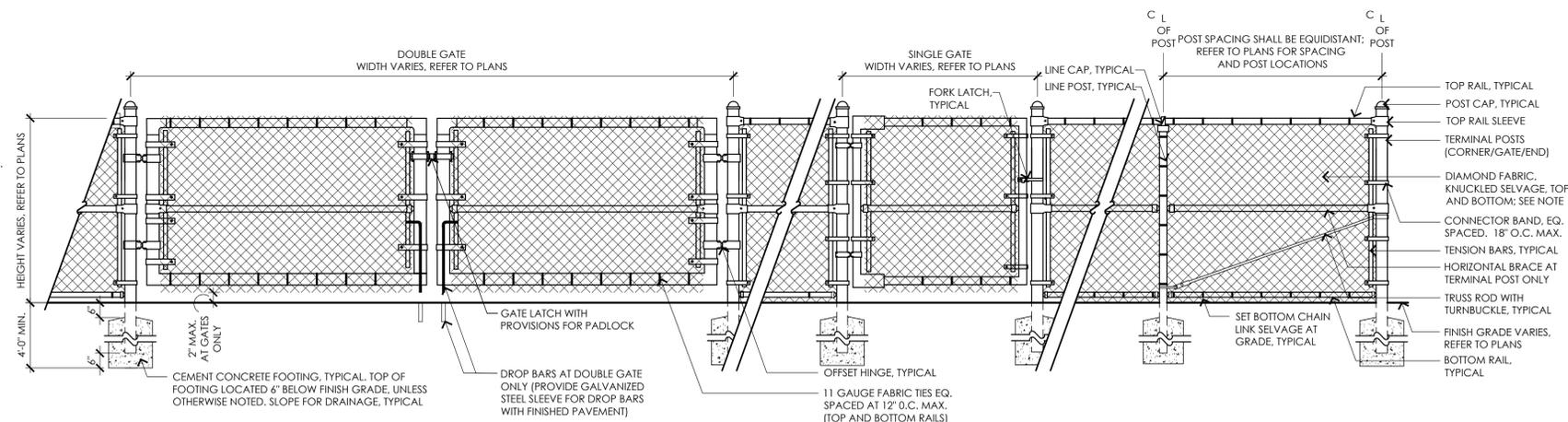
4 GOAL POST FOUNDATION
SCALE: 3/4" = 1'-0"

NOTES:

1. FENCE FABRIC TOP SHALL BE EVEN WITH TOP OF TOP RAIL.
2. TOP OF CONCRETE FENCE POST FOOTING TO HAVE SLOPE TO PROMOTE POSITIVE DRAINAGE.
3. GATES SHALL SWING 180° DEGREES SO THAT WHEN FULLY OPEN GATE PANELS SHALL BE PARALLEL TO CHAIN LINK FENCE.
4. REFER TO SPECIFICATIONS FOR MATERIAL GAUGE.

CONCRETE FOOTING DEPTH X WIDTH	
	H
TERMINAL	48"x18"
LINE	48"x15"

	H	H
TERMINAL POSTS	4'-0"	6'-0"
LINE POSTS	2.375	2.375
TOP RAIL	1.90	1.90
BOTTOM RAIL	1.660	1.660
CENTER RAIL	N/A	N/A
HORIZONTAL BRACE	N/A	1.660
TRUSS ROD	N/A	1/2"



5 4' HIGH CHAIN LINK FENCE AND GATES
SCALE: 3/8" = 1'-0"

CONSULTANTS
WETLAND DELINEATION - HALEY WARD, INC.
SURVEY - E.S. COFFIN ENGINEERING & SURVEYING, INC.
GEOTECHNICAL ENGINEER - HALEY & ALDRICH, INC.

RSU 71 BELFAST AREA
HIGH SCHOOL
Belfast, ME
Site Location of Development Act

Permitting Documents
April 25, 2025

REVISIONS:		
NO.	DATE	DESCRIPTION

SCALE: AS NOTED
PROJECT NO.: 24002.00
FILE: 24002.00-L5.2-DET_2.dwg
DRAWN: AJA
CHECKED: SRC/HG

SEAL:
STATE OF MAINE
HOLLY GANSEY
PROFESSIONAL ENGINEER
04/25/25

SHEET TITLE:
DETAIL SHEET II

SHEET NO:
L5.2

CONSULTANTS
 WETLAND DELINEATION -
 HALEY WARD, INC.
 SURVEY -
 E.S. COFFIN ENGINEERING & SURVEYING, INC.
 GEOTECHNICAL ENGINEER -
 HALEY & ALDRICH, INC.

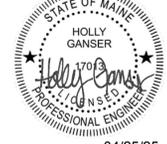
**RSU 71 BELFAST AREA
 HIGH SCHOOL**
 Belfast, ME
 Site Location of Development Act

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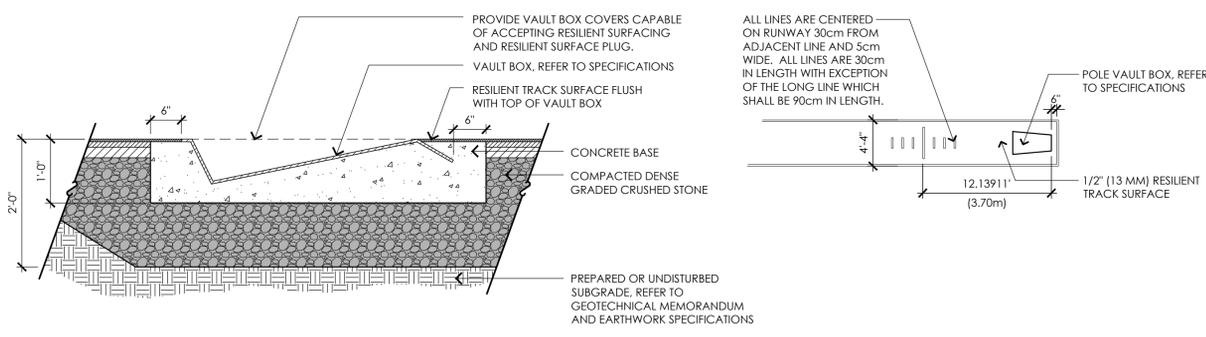
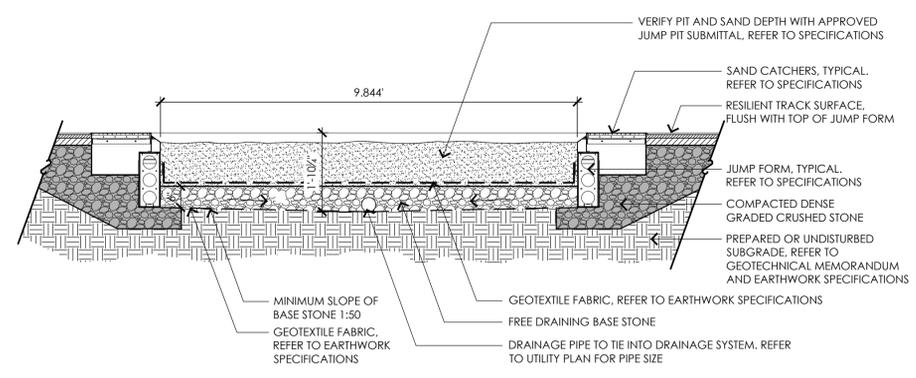
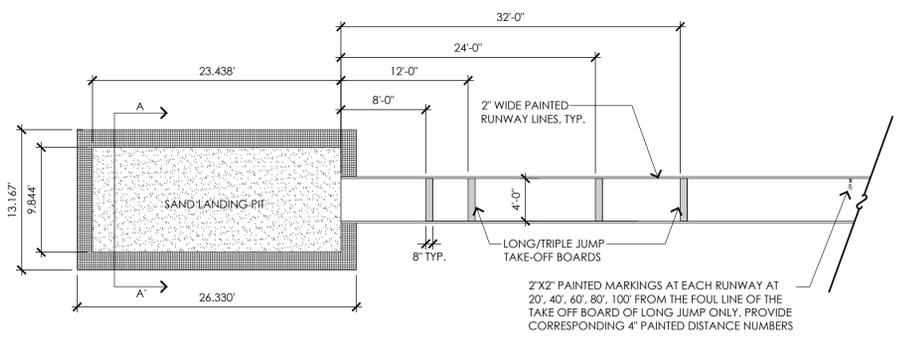
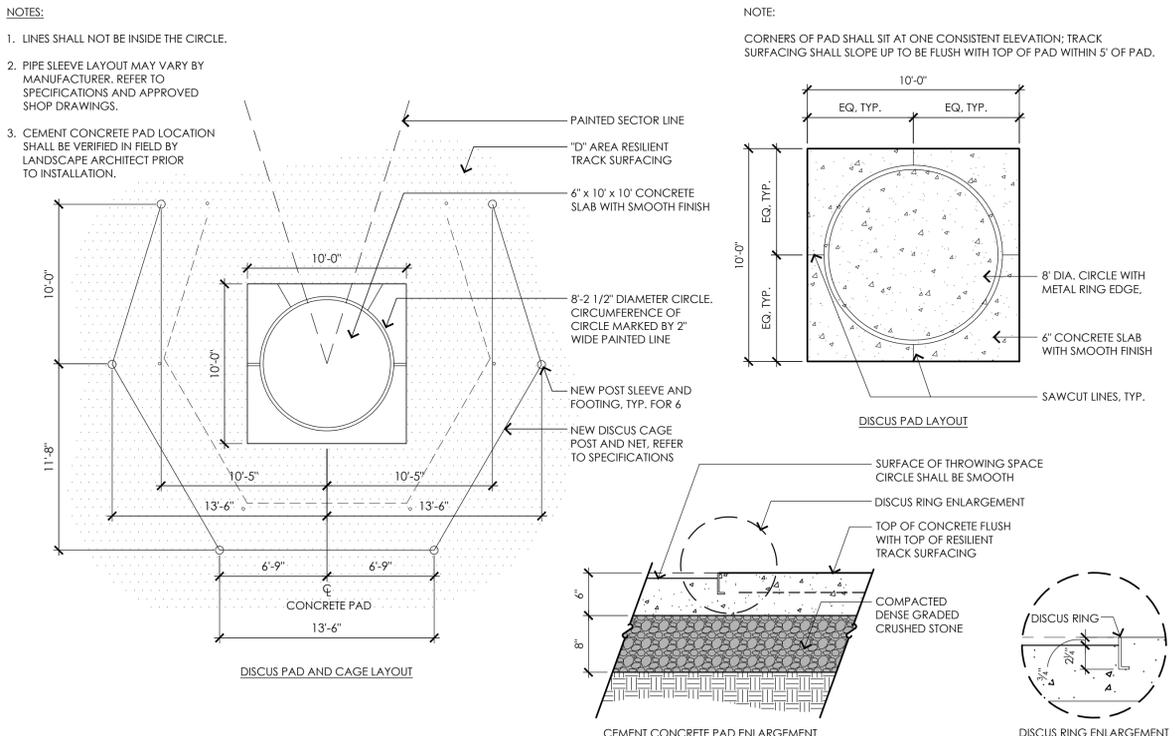
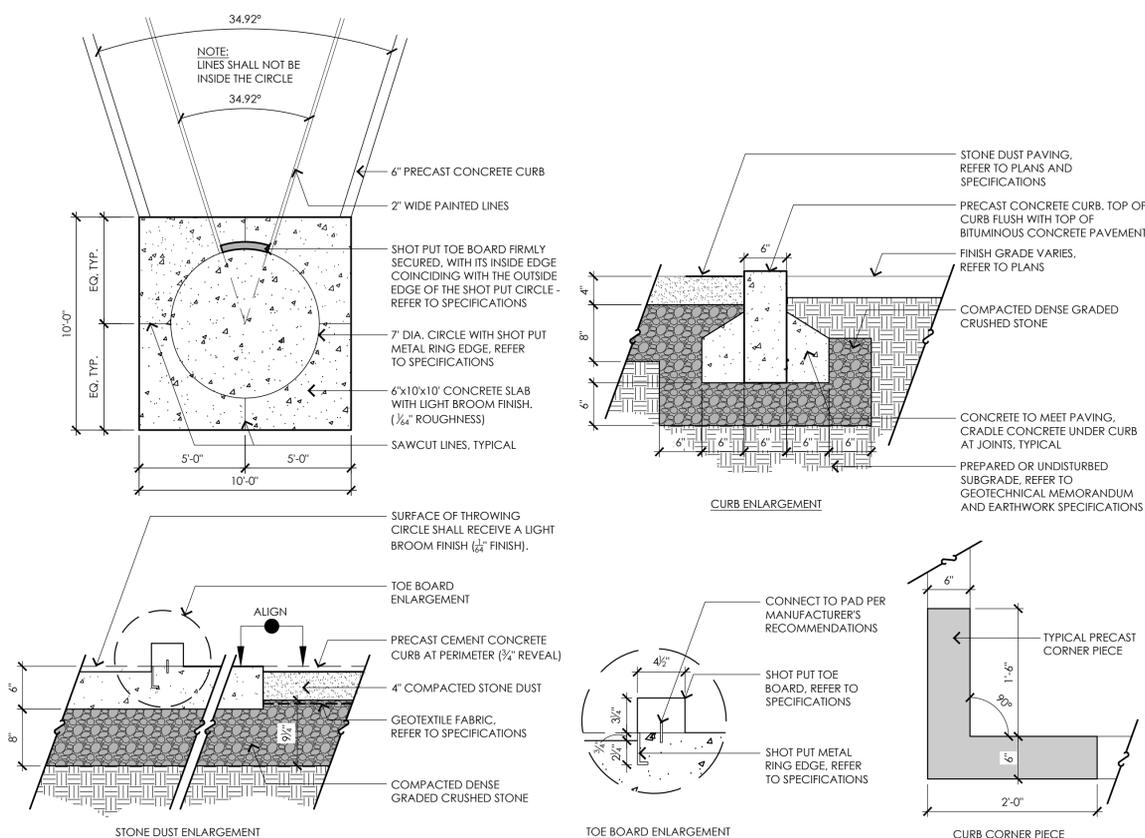
NO.	DATE	DESCRIPTION

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 CHECKED: SRC/HG

SEAL:

 04/25/25

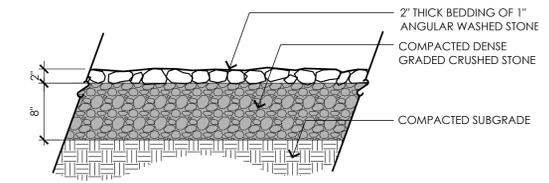
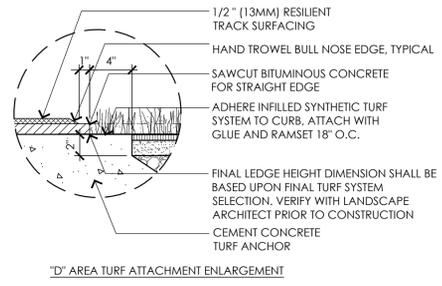
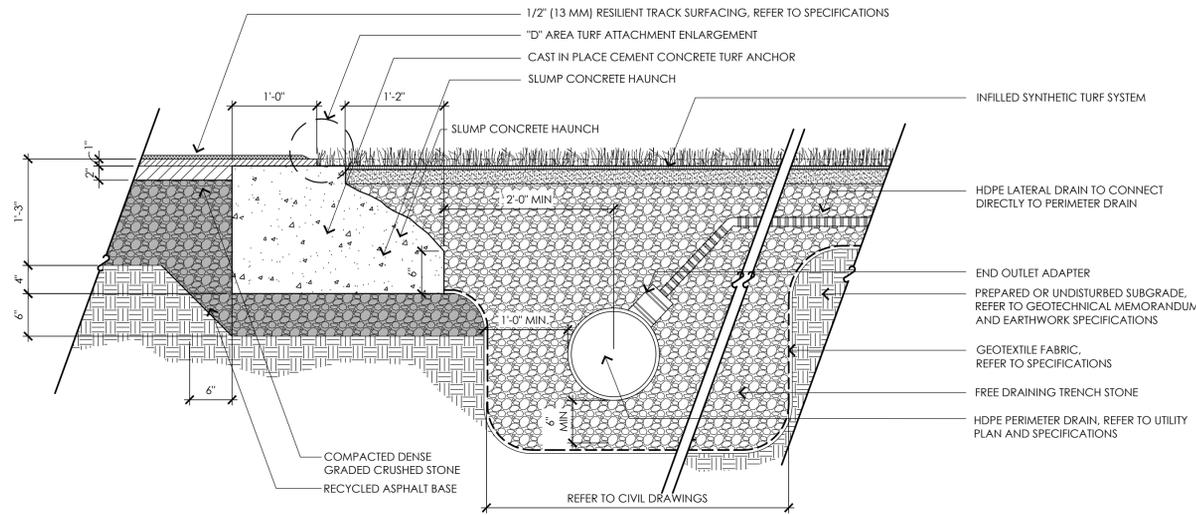
SHEET TITLE:
 DETAIL SHEET III

SHEET NO:
L5.3



5 POLE VAULT BOX
 NOT TO SCALE

CONSULTANTS
 WETLAND DELINEATION -
 HALEY WARD, INC.
 SURVEY -
 E.S. COFFIN ENGINEERING & SURVEYING, INC.
 GEOTECHNICAL ENGINEER -
 HALEY & ALDRICH, INC.



1 CEMENT CONCRETE TURF ANCHOR AT "D" AREA
 NOT TO SCALE

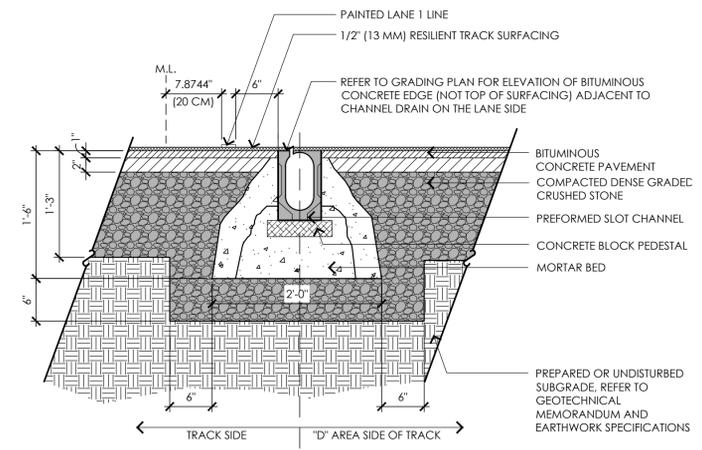
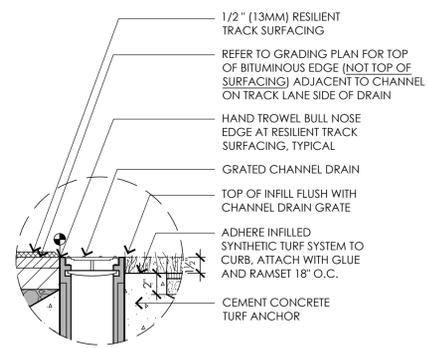
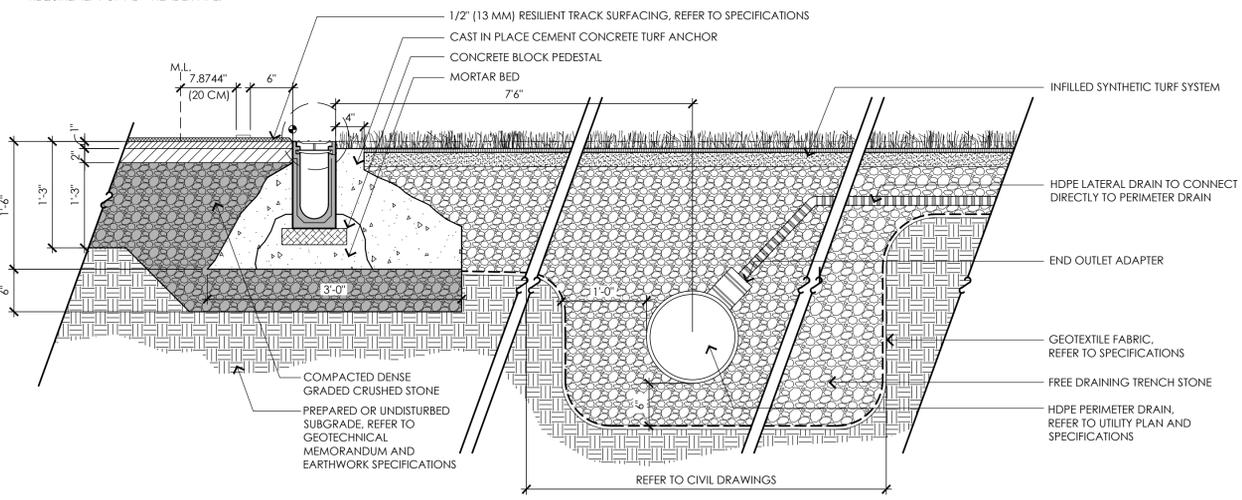
2 GRAVEL PAVEMENT
 NOT TO SCALE

NOTES:

- DESIGN OF CHANNEL DRAINS VARY PER MANUFACTURER, CHANNEL DRAIN SHOWN FOR GRAPHIC AND INSTALLATION INTENT ONLY. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS.
- THE BITUMINOUS CONCRETE PAVEMENT BASE SHALL BE FLUSH WITH THE TOP OF THE CHANNEL DRAIN AND THE RESILIENT TRACK SURFACE SHALL HAVE A HAND TROWELED BULL-NOSE EDGE AT THE CHANNEL DRAIN.
- REFER TO GRADING AND UTILITY PLANS AND SPECIFICATIONS FOR MATERIAL AND INSTALLATION REQUIREMENT OF NEW HEADER PIPE.

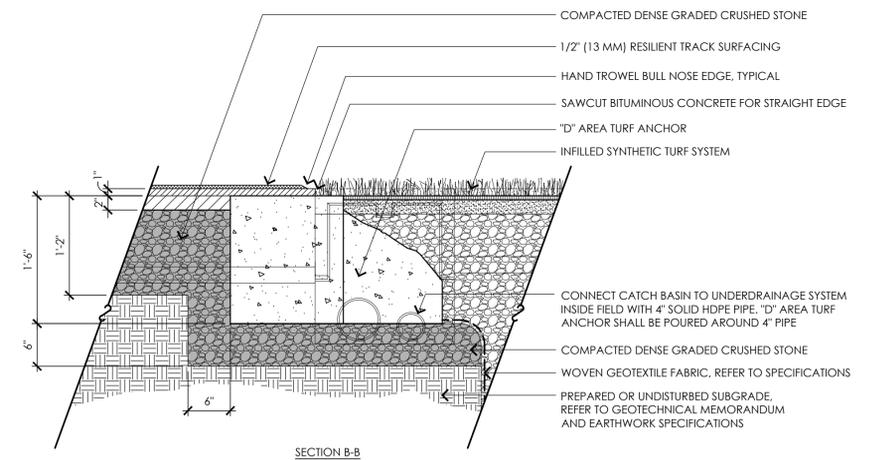
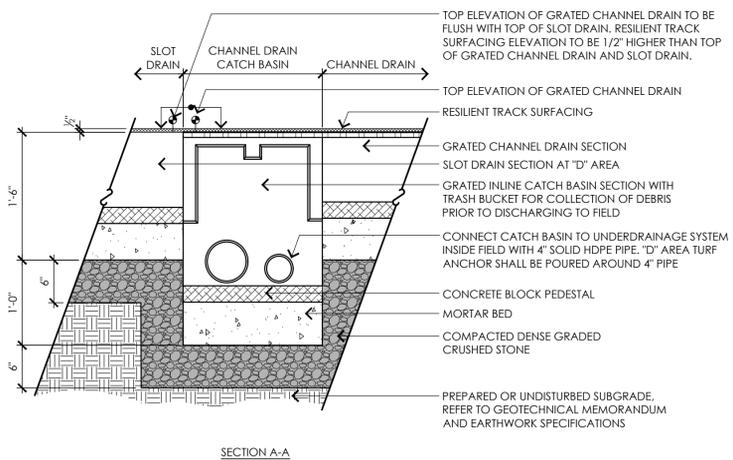
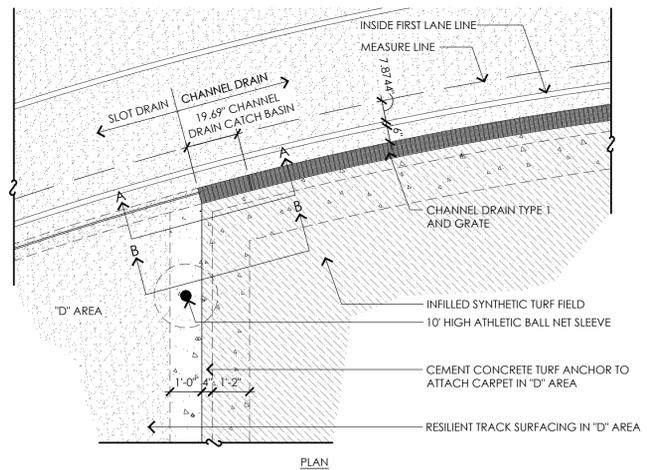
NOTES:

- DESIGN OF SLOT DRAINS VARY PER MANUFACTURER, SLOT DRAIN SHOWN FOR GRAPHIC AND INSTALLATION INTENT ONLY. REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS.
- THE BITUMINOUS CONCRETE PAVEMENT BASE SHALL BE FLUSH WITH THE TOP OF THE SLOT DRAIN AND THE RESILIENT TRACK SURFACE SHALL BE INSTALLED OVER THE BITUMINOUS CONCRETE PAVEMENT AND SLOT DRAIN.



3 CHANNEL DRAIN AND CEMENT CONCRETE TURF ANCHOR AT FIELD EDGE
 SCALE: 1" = 1'-0"

4 SLOT DRAIN AT "D" AREA
 SCALE: 1" = 1'-0"



5 CHANNEL / SLOT DRAIN TRANSITION AT "D" AREA
 NOT TO SCALE

**RSU 71 BELFAST AREA
 HIGH SCHOOL**
 Belfast, ME
 Site Location of Development Act

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 April 25, 2025

REVISIONS:

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SCALE: AS NOTED
 PROJECT NO.: 24002.00
 FILE: 24002.00-L5.4-DET_4.dwg
 DRAWN: AJA
 CHECKED: SRC/HG

SEAL:

 04/25/25

SHEET TITLE:
 DETAIL SHEET IV

SHEET NO:
L5.4