

LIST OF DRAWINGS

COVER SHEET

CIVIL DRAWINGS  
C1.1 EXISTING CONDITIONS & DEMOLITION  
C2.1 SITE PLAN  
C9.1 SITE DETAILS  
C9.2 EROSION & SEDIMENTATION CONTROL PLAN  
C9.3 CONSTRUCTION NOTE AND SPECIFICATIONS

ARCHITECTURAL DRAWINGS  
A0 CODE PLANS  
A1 FLOOR PLANS  
A2 SECTIONS AND ELEVATIONS  
A3 DETAILS  
A4 ADA DETAILS

STRUCTURAL DRAWINGS  
S1 FOUNDATION PLAN  
S2 STRUCTURAL DETAILS  
S3 CONSTRUCTION NOTES

# RSU 56 BUS GARAGE

1 MIDDLE SCHOOL DRIVE  
DIXFIELD, ME 04244

ISSUED FOR BID

FEBRUARY 27, 2023

ENGINEER OF RECORD:  
ASSOCIATED DESIGN PARTNERS INC  
80 LEIGHTON RD  
FALMOUTH, ME 04105  
TEL: 207-878-1751

CIVIL ENGINEER:  
MAIN-LAND DEVELOPMENT CONSULTANTS INC  
367 US 1, SOUTH BUILDING THIRD FLOOR  
FALMOUTH, MAINE 04105  
TEL: 207-897-6752

M.E.P. PERFORMANCE SPECIFICATION:  
BENNETT ENGINEERING  
7 BENNETT ROAD  
P.O. BOX 297  
FREEPORT, ME 04032  
207-865-9475

ASSOCIATED DESIGN  
PARTNERS INC.

80 Leighton Road  
Falmouth, Maine 04105  
Office: (207) 878-1751  
Fax: (207) 878-1788  
E-Mail: adp@adpengineering.com

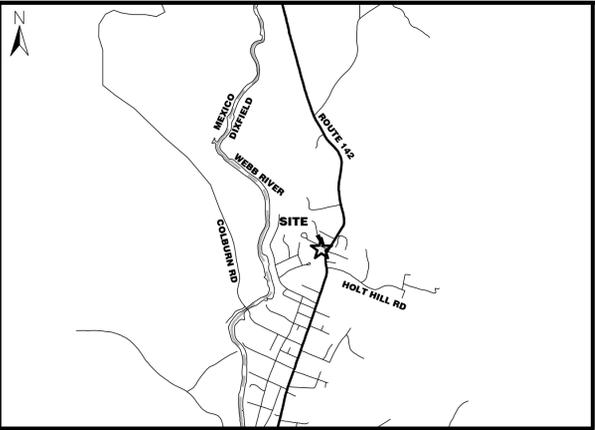
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PROJECT: RSU 56 BUS GARAGE  
DIXFIELD, ME.  
FOR:

SHEET TITLE:  
COVER SHEET

REVISIONS	DESCRIPTION	DATE
No.		
1		
2		
3		
4		

DATE : 2/27/23  
SCALE : AS NOTED  
DESIGN BY: ASW  
DRAWN BY: RSC  
FILE #:  
PROJECT NUMBER:  
**22017**  
SHEET NO:



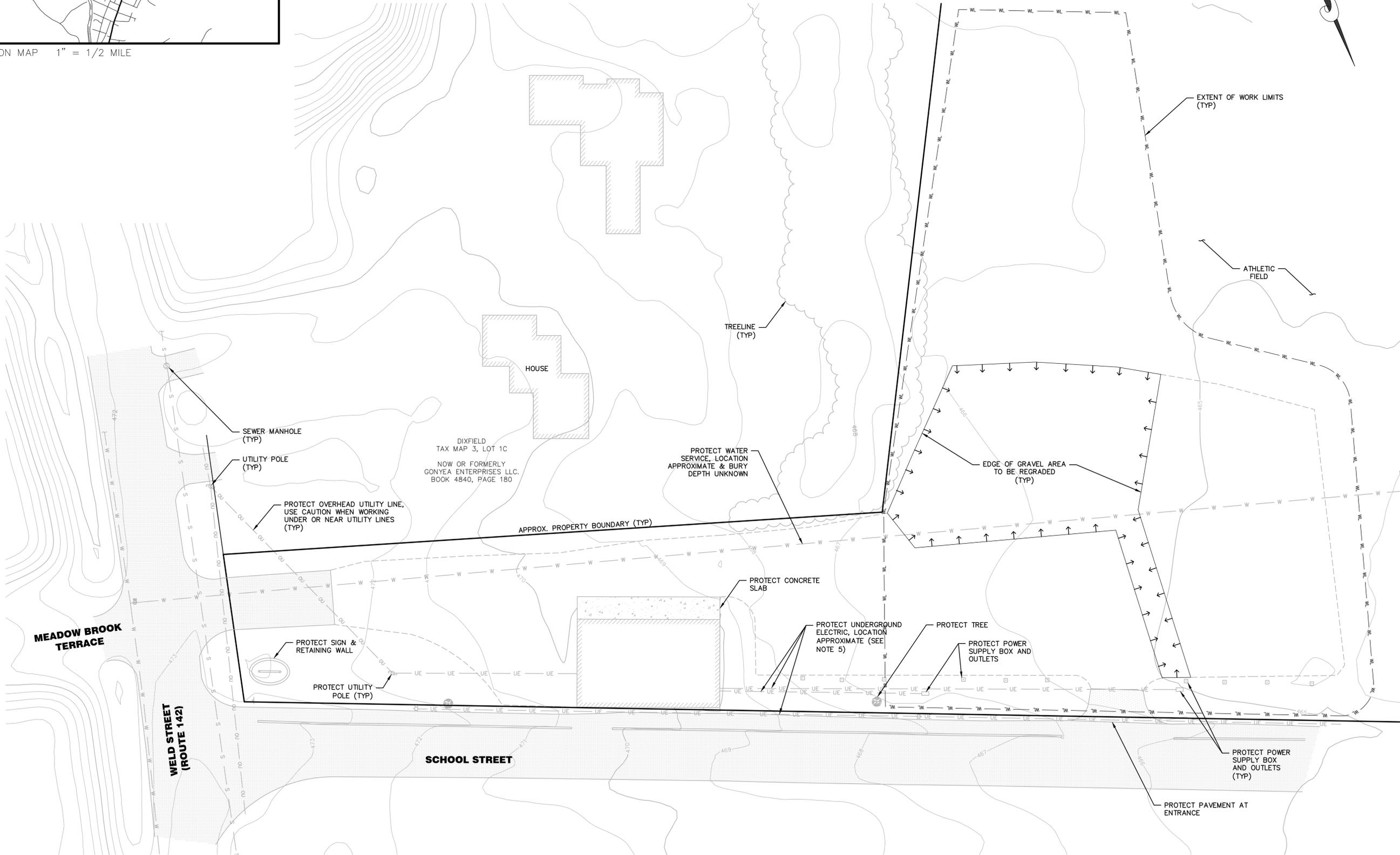
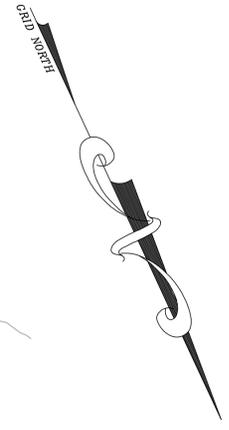
LOCATION MAP 1" = 1/2 MILE

**NOTES**

1. TOWN OF DIXFIELD: PORTION OF TAX MAP 3, LOT 1B.
2. OWNER OF RECORD AT TIME OF SURVEY: REGIONAL SCHOOL UNIT NO. 56: BOOK 5374, PAGE 381.
3. ALL BOOK AND PAGES REFER TO THE OXFORD COUNTY REGISTRY OF DEEDS.
4. CONTOURS SHOWN WITHIN DEVELOPED BUILDING AND GRAVEL AREAS ON SITE ARE BASED ON A TOPOGRAPHIC SURVEY COMPLETED BY MAIN-LAND DEVELOPMENT CONSULTANTS, INC ON FEBRUARY 2, 2022 WITH A CONTOUR INTERVAL OF 1-FOOT. CONTOURS SHOWN IN FIELD AREAS WERE DOWNLOADED FROM [HTTP://COAST.NOAA.GOV](http://COAST.NOAA.GOV) WITH A CONTOUR INTERVAL OF 1-FOOT. THE VERTICAL DATUM IS NAVD88 AND BASED ON GPS OBSERVATIONS NEAR THE SURVEYED PARCEL.
5. THE LOCATION OF UNDERGROUND UTILITIES WAS NOT PERFORMED AS PART OF THE SURVEY AND LOCATIONS OF UNDERGROUND WATER, SEWER AND ELECTRIC ARE ASSUMED AND APPROXIMATE. MAIN-LAND RECOMMENDS THE USE OF DIG SMART OR OTHER ENTITIES TO MARK ANY UNDERGROUND UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION.
6. BOUNDARY LINES ARE APPROXIMATE AND BASED ON TAX MAP PARCEL DATA.

**LEGEND**

- PROPERTY BOUNDARY LINE (APPROX.)
- ABUTTING BOUNDARY LINES (APPROX.)
- 490 — MAJOR CONTOUR LINE
- MINOR CONTOUR LINE
- - - - - EDGE OF GRAVEL
- OU — OVERHEAD UTILITY
- UE — UNDERGROUND ELECTRIC (APPROX.)
- S — SEWER LINE (APPROX.)
- W — WATER MAIN (APPROX.)
- WL — EXTENT OF WORK LIMITS
- ▨ PAVED SURFACE
- ▤ CONCRETE SLAB
- ⊙ UTILITY POLE
- ⊙ SEWER MANHOLE
- ☆ LIGHT POLE
- ⊙ ELECTRICAL OUTLET
- ⊙ DECIDUOUS TREE
- ⊙ WATER GATE



**MAIN-LAND**  
DEVELOPMENT  
CONSULTANTS, INC.

69 MAIN ST. LIVERMORE FALLS, MAINE  
367 US ROUTE 1 FALMOUTH, MAINE  
PH: (207) 897-6732 FAX: (207) 897-5404  
WWW.MAIN-LANDDC.COM

PROJECT

**RSU 56  
BUS GARAGE**

145 WELD STREET  
DIXFIELD, MAINE

OWNER OF RECORD

**REGIONAL SCHOOL  
UNIT NO. 56**

33 NASH ST  
DIXFIELD, ME 04224

MADE FOR

**REGIONAL SCHOOL  
UNIT NO. 56**

C/O KENNY ROBBINS  
145 WELD ST  
DIXFIELD, ME 04224

DRAWING SCALE:

20 0 10 20  
( IN FEET )  
1 INCH = 20 FT

REVISION NOTES:  
SUBMISSION 1: 2022-11-28 TLB FOR REVIEW.  
SUBMISSION 2: 2023-02-27 TLB ISSUED FOR BID.

PROJ. MGR: EKB  
DRAWN BY: TLB  
CHECKED BY: EKB  
SUBMISSION NO. 2  
SURVEY DATE: 2022-02-02  
SUBMISSION DATE: 2023-02-27  
SUBMITTED FOR: BID

**ISSUED FOR CONSTRUCTION**

**EXISTING  
CONDITIONS &  
DEMOLITION PLAN**

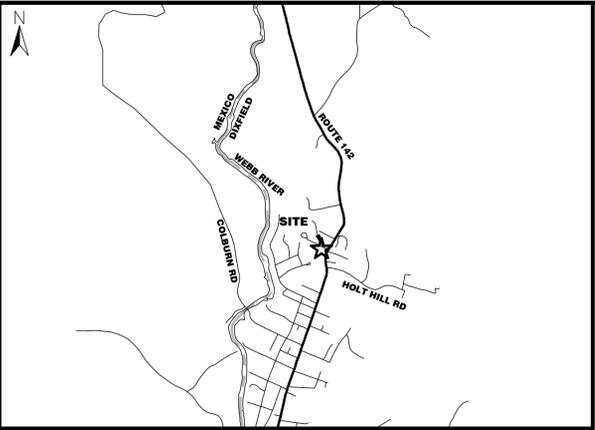
SEAL:

ESTHER K. BIZIER PE#14236

DRAWING NO.

**C1.1**

MLDC NO. 22-018 1 OF 5



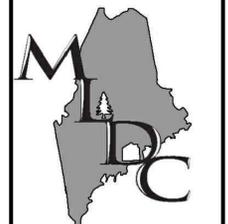
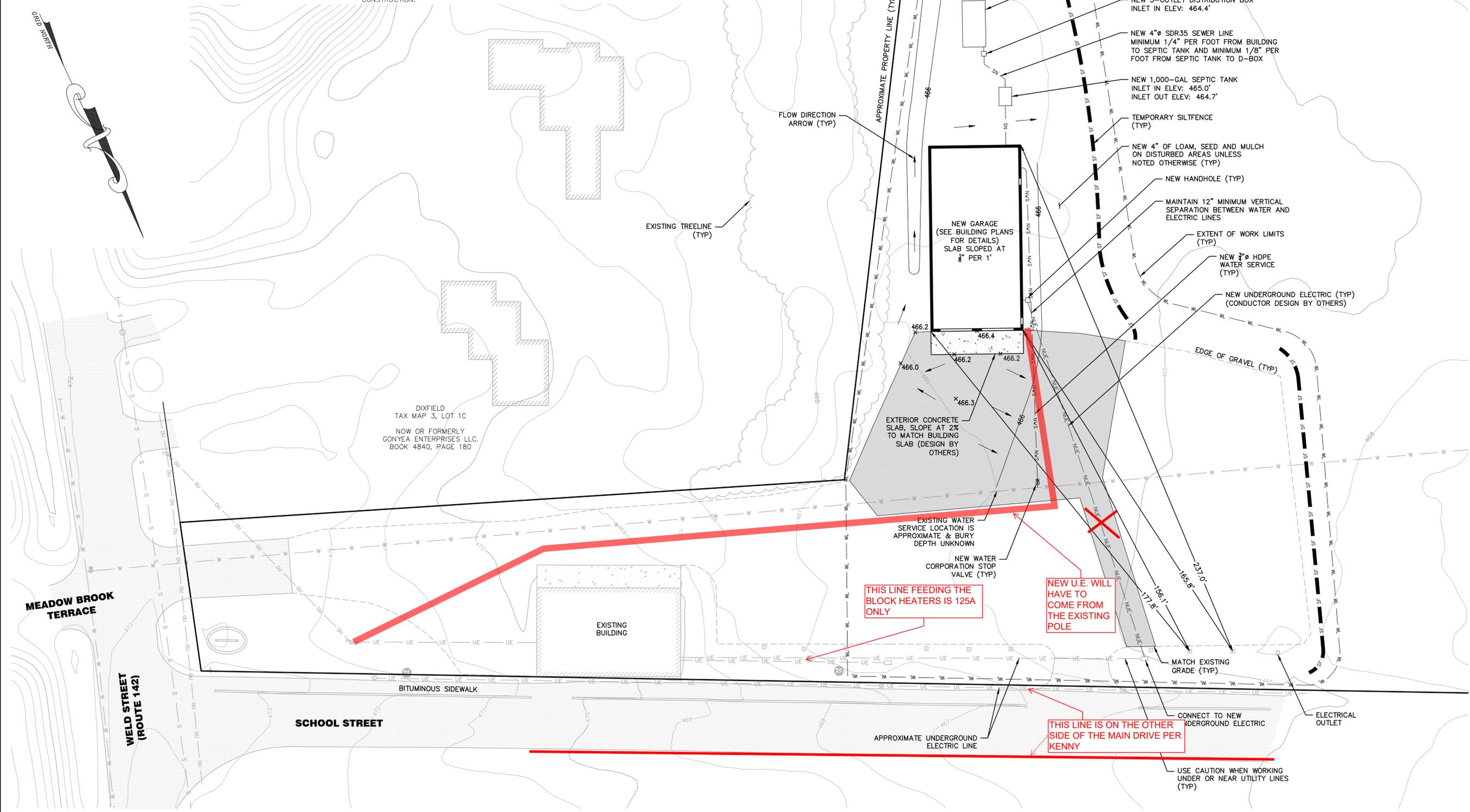
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5. THE LOCATION OF UNDERGROUND UTILITIES WAS NOT PERFORMED AS PART OF THIS SURVEY. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND BURY DEPTH IS UNKNOWN. MAIN-LAND RECOMMENDS THE USE OF DIGSMART OR OTHER ENTITIES TO MARK ANY UNDERGROUND UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION.
6. COORDINATE WATER SERVICE INSTALLATION WITH DIXFIELD WATER DEPARTMENT.
7. SURVEY FIELD WORK WAS PERFORMED BY MAIN-LAND UNDER SNOW COVER CONDITIONS. MAIN-LAND MAY ADJUST PLAN AND FINDINGS IF ADDITIONAL EVIDENCE BECOMES APPARENT.
8. BOUNDARY LINES ARE APPROXIMATE AND BASED ON TAX MAP PARCEL DATA.
9. NO PROPERTY BOUNDARY SETBACKS SHOWN PER DIRECTION OF TOWN OF DIXFIELD CODE ENFORCEMENT OFFICER.
10. CONTACT MAIN-LAND DEVELOPMENT CONSULTANTS FOR BUILDING LAYOUT PRIOR TO CONSTRUCTION.

**LEGEND**

- PROPERTY BOUNDARY LINE (APPROX.)
- ABUTTING BOUNDARY LINES (APPROX.)
- EXISTING MAJOR CONTOUR LINE
- EXISTING MINOR CONTOUR LINE
- PROPOSED MAJOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- EXISTING OVERHEAD UTILITY
- EXISTING EDGE OF GRAVEL
- EXISTING UNDERGROUND ELECTRIC
- EXISTING SEWER LINE
- EXISTING WATER MAIN
- NEW SEWER LINE
- NEW WATER SERVICE LINE
- NEW UNDERGROUND ELECTRIC LINE
- TEMPORARY SILTFENCE
- EXTENT OF WORK LIMITS
- EXISTING PAVED SURFACE
- EXISTING CONCRETE SLAB
- PROPOSED CONCRETE SURFACE
- PROPOSED GRAVEL SURFACE
- FLOW ARROW
- EXISTING UTILITY POLE
- EXISTING SEWER MANHOLE
- EXISTING LIGHT POLE
- EXISTING ELECTRICAL OUTLET
- DECIDUOUS TREE TO REMAIN
- EXISTING WATER GATE
- NEW CORPORATION STOP VALVE

LOCATION MAP 1" = 1/2 MILE



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69 MAIN ST. LIVERMORE FALLS, MAINE  
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WWW.MAIN-LANDDCI.COM

PROJECT

**RSU 56  
BUS GARAGE**

145 WELD STREET  
DIXFIELD, MAINE  
OWNER OF RECORD

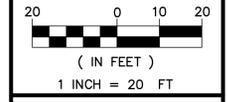
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MADE FOR

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C/O KENNY ROBBINS  
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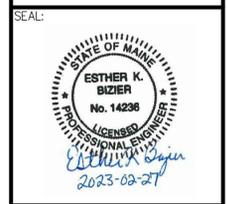
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SUBMISSION NOTES:  
SUBMISSION 1: 2022-03-28 EKB  
50% SUBMISSION IS FOR PRICING.  
SUBMISSION 2: 2022-05-20 SDH  
ISSUED FOR CLIENT REVIEW.  
SUBMISSION 3: 2022-11-28 TLB  
FOR REVIEW.  
SUBMISSION 4: 2023-02-27 TLB  
ISSUED FOR BID.

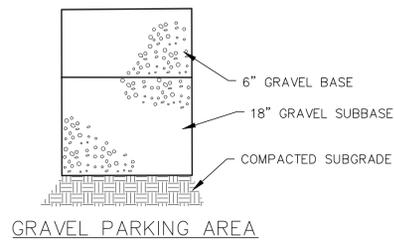
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CHECKED BY: EKB  
SUBMISSION NO. 4  
SURVEY DATE: 2022-02-02  
SUBMISSION DATE: 2023-02-27  
SUBMITTED FOR: BID  
**ISSUED FOR CONSTRUCTION**

**SITE  
PLAN**



ESTHER K. BIZIER ME PE#14236

DRAWING NO.  
**C2.1**  
MLDC NO. 22-018 2 OF 5



**GRAVEL SURFACE DETAILS**

NOT TO SCALE

C3

**UTILITY HANDHOLE BOX**

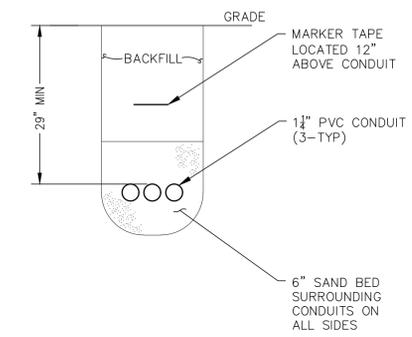
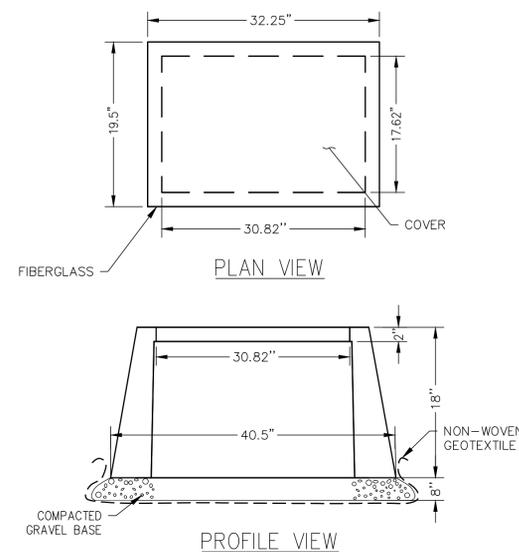
NOT TO SCALE

C2

**NEW UNDERGROUND ELECTRIC CONDUIT**

NOT TO SCALE

C1



NOTE: TYPE A SHALL BE CRUSHED LEDGE OR CRUSHED GRAVEL. TYPE A AGGREGATE FOR BASE SHALL ONLY CONTAIN PARTICLES OF ROCK WHICH PASS THE 2 INCH SIEVE. AT LEAST 50 PERCENT OF THE MATERIAL RETAINED ON THE NO. 4 SIEVE SHALL HAVE AT LEAST 1 FRACTURED FACE AS TESTED BY AASHTO T 335.

MDOT GRAVEL SPECIFICATIONS SECTION 703.06			
SIEVE SIZE	% PASSING BY WEIGHT		
	TYPE A	TYPE B	TYPE C
1/2 INCH	45-70	35-75	
1/4 INCH	30-55	25-60	25-70
No. 40	0-20	0-25	0-30
No. 200	0-5.0	0-5.0	0-5.0
1/4 INCH	TYPE D	TYPE E	TYPE F
	25-70	25-100	60-100
No. 40	0-30	0-50	0-50
No. 200	0-7.0	0-7.0	0-7.0

NOTE: TYPE B SHALL BE CRUSHED LEDGE OR CRUSHED GRAVEL. TYPE B AGGREGATE FOR BASE SHALL ONLY CONTAIN PARTICLES OF ROCK WHICH PASS THE 4 INCH SIEVE.

NOTE: TYPE C SHALL BE CRUSHED LEDGE OR CRUSHED GRAVEL AND AGGREGATE FOR BASE SHALL ONLY CONTAIN PARTICLES OF ROCK WHICH PASS THE 6 INCH SIEVE. AT LEAST 50 PERCENT OF THE MATERIAL RETAINED ON THE NO. 4 SIEVE SHALL HAVE AT LEAST 1 FRACTURED FACE AS TESTED BY AASHTO T 335.

NOTE: AGGREGATE FOR SUB-BASE SHALL BE SAND OR GRAVEL OF HARD DURABLE PARTICLES FREE OF VEGETABLE MATTER, LUMPS OF CLAY, AND OTHER DELETERIOUS SUBSTANCES. AGGREGATE FOR SUB-BASE SHALL NOT CONTAIN PARTICLES THAT DO NOT PASS THE 6 INCH SIEVE.

**TYPICAL MAINE DOT GRAVEL SPECS**

NOT TO SCALE

B4

**EXISTING CONDITIONS AND DEMOLITION**

- E1. TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THIS DRAWING PERFORMED AND SUPPLIED BY MAIN-LAND DEVELOPMENT CONSULTANTS, INC (MAIN-LAND).
- E2. CONTRACTOR SHALL VERIFY SITE CONDITIONS, INCLUDING TEST PITS FOR LOCATIONS AND INVERTS OF UTILITIES, AND REPORT ANY DISCREPANCIES TO MAIN-LAND PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.
- E3. PRIOR TO REMOVAL OF UTILITIES, VERIFY UTILITY FUNCTION, MATERIAL, USE, AND CURRENT ACTIVITY. REPORT DISCREPANCIES TO MAIN-LAND FOR DIRECTION PRIOR TO COMMENCING THE WORK ON THAT UTILITY.

**SITE LAYOUT AND MATERIALS**

- L1. DIMENSIONS ARE TO EDGE OF PAVEMENT/GRAVEL AND TO FACE OF FOUNDATION UNLESS NOTED OTHERWISE.
- L2. CONTRACTOR SHALL VERIFY SITE CONDITIONS, INCLUDING TEST PITS FOR LOCATIONS AND INVERTS OF UTILITIES, AND REPORT ANY DISCREPANCIES TO MAIN-LAND PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.

**GRADING AND EROSION CONTROL**

- G1. ADD 6" LOAM, SEED AND MULCH TO DISTURBED AREAS UNLESS OTHERWISE NOTED. PROVIDE EROSION CONTROL MESH ON ALL SLOPES 6:1 OR STEEPER, AND ALONG DITCH CHANNELS.
- G2. GRADE SURFACES TO DRAIN AWAY FROM BUILDING. PUDDLING OF WATER IN PAVED OR UNPAVED AREAS WILL NOT BE ACCEPTABLE.
- G3. MAINTAIN TEMPORARY EROSION CONTROL MEASURES FOR THE FULL DURATION OF CONSTRUCTION. INSPECT WEEKLY AND AFTER EACH STORM AND REPAIR AS NEEDED. REMOVE SEDIMENTS FROM THE SITE, PLACE IN AREA OF LOW EROSION POTENTIAL, AND STABILIZE WITH SEED AND MULCH.
- G4. PLACE TEMPORARY SOIL STABILIZATION WITHIN 7 DAYS OF INITIAL DISTURBANCE. PLACE PERMANENT SOIL STABILIZATION WITHIN 7 DAYS OF FINAL GRADING.

**UTILITIES**

- U1. THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION IS NOT GUARANTEED. VERIFY SITE CONDITIONS INCLUDING TEST PITS FOR LOCATIONS AND INVERTS OF UTILITIES AND REPORT ANY DISCREPANCIES TO MAIN-LAND PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.
- U2. PROVIDE AT LEAST 6' OF SOIL COVER OVER WATER LINES.
- U3. COORDINATE WORK ON UTILITY LINES OR WITHIN ROAD RIGHT-OF-WAY WITH THE UTILITY COMPANIES AND CITY ROAD DEPARTMENT.
- U4. SLOPE CONDUITS AWAY FROM BUILDING TO HANDHOLE TO AVOID GROUNDWATER SEEPAGE INTO BUILDING.

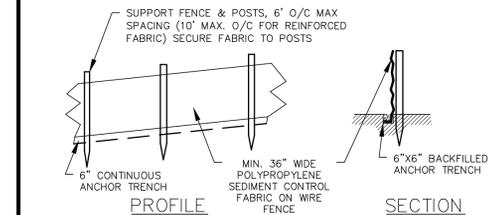
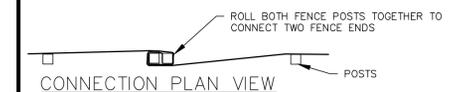
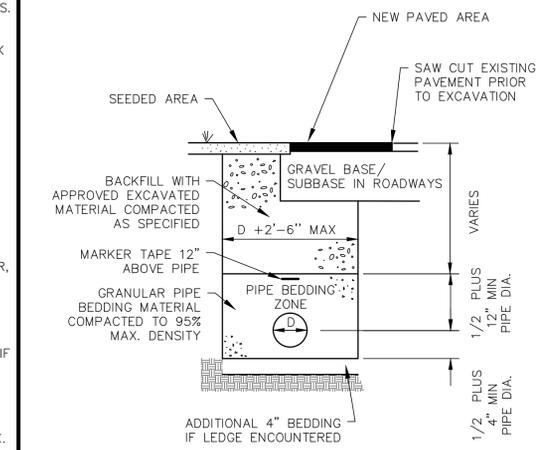
**UTILITY LOCATION REQUIREMENTS**

- PRIOR TO EXCAVATION, VERIFY THE UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND FACILITIES. PROVIDE THE FOLLOWING MINIMUM MEASURES.
  - A. PRE-MARK THE BOUNDARIES OF YOUR PLANNED EXCAVATION WITH WHITE PAINT, FLAGS, OR STAKES SO UTILITY CREWS KNOW WHERE TO MARK THEIR LINES.
  - B. CALL DIG SAFE, AT 1-888-DIGSAFE, AT LEAST THREE BUSINESS DAYS - BUT NO MORE THAN 30 CALENDAR DAYS - BEFORE STARTING WORK. DON'T ASSUME SOMEONE ELSE WILL MAKE THE CALL.
  - C. IF BLASTING, NOTIFY DIG SAFE AT LEAST ONE BUSINESS DAY IN ADVANCE.
  - D. WAIT THREE BUSINESS DAYS FOR LINES TO BE LOCATED AND MARKED WITH COLOR-CODED PAINT, FLAGS, OR STAKES. NOTE THE COLOR OF THE MARKS AND THE TYPE OF UTILITIES THEY INDICATE. TRANSFER THESE MARKS TO THE AS-BUILT DRAWINGS.
  - E. CONTACT THE LANDOWNER AND OTHER 'NON-MEMBER' UTILITIES (WATER, SEWER, GAS, ETC) FOR THEM TO MARK THE LOCATIONS OF THEIR UNDERGROUND FACILITIES. TRANSFER THESE MARKS TO THE AS-BUILT DRAWINGS.
  - F. RE-NOTIFY DIG SAFE AND THE NON-MEMBER UTILITIES IF THE DIGGING, DRILLING, OR BLASTING DOES NOT OCCUR WITHIN 30 CALENDAR DAYS, OR IF THE MARKS ARE LOST DUE TO WEATHER CONDITIONS, SITE WORK ACTIVITY, OR ANY OTHER REASON.
  - G. HAND DIG WITHIN 18 INCHES IN ANY DIRECTION OF ANY UNDERGROUND LINE UNTIL THE LINE IS EXPOSED. MECHANICAL METHODS MAY BE USED FOR INITIAL SITE PENETRATION, SUCH AS REMOVAL OF PAVEMENT OR ROCK.
  - H. DIG SAFE REQUIREMENTS ARE IN ADDITION TO TOWN, CITY, AND/OR STATE D.O.T. STREET OPENING PERMIT REQUIREMENTS.
  - I. FOR COMPLETE DIG SAFE REQUIREMENTS, CALL THE P.U.C. OR VISIT THEIR WEBSITE.
  - J. IF YOU DAMAGE, DISLOCATE, OR DISTURB ANY UNDERGROUND UTILITY LINE, IMMEDIATELY NOTIFY THE AFFECTED UTILITY. IF DAMAGE CREATES SAFETY CONCERNS, CALL THE FIRE DEPARTMENT AND TAKE IMMEDIATE STEPS TO SAFEGUARD HEALTH AND PROPERTY.
  - K. ANY TIME AN UNDERGROUND LINE IS DAMAGED OR DISTURBED, OR IF LINES ARE IMPROPERLY MARKED, YOU MUST FILE AN INCIDENT REPORT WITH THE P.U.C. FOR AN INCIDENT REPORT FORM VISIT WWW.STATE.ME.US/MPUC OR CALL THE P.U.C. AT 1-800-452-4699.

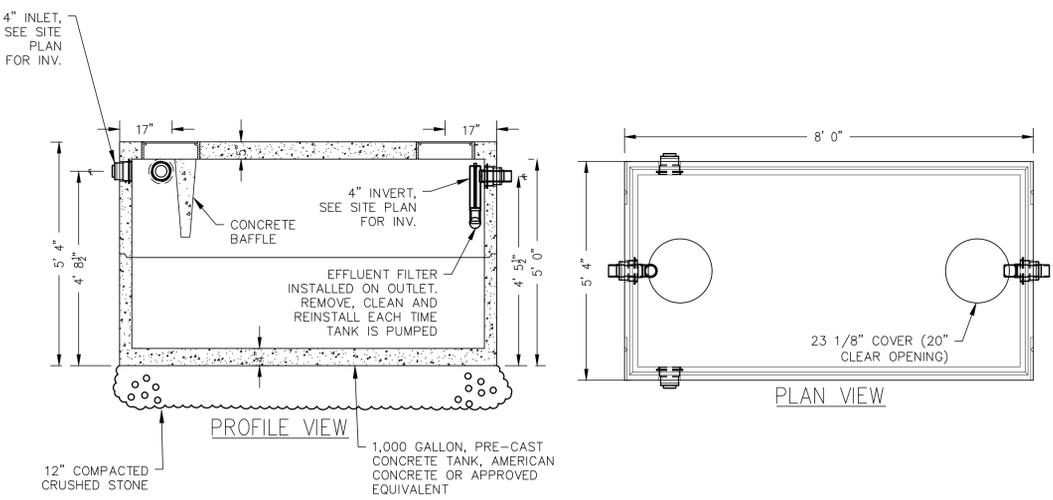
**PIPE TRENCH**

NOT TO SCALE

B1



- NOTES:
  - PLACE SILT FENCE OR FILTER BERMS ALONG UNIFORMLY SLOPED SURFACE.
  - EROSION CONTROL MIX FILTER BERM MAY BE SUBSTITUTED FOR A SILTFENCE. SEE THE SITE GRADING AND EROSION CONTROL PLAN.
  - EXCAVATE A 6"x6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
  - UNROLL ONE SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
  - DRIVE THE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM. JOIN SECTIONS AS SHOWN ABOVE.
  - LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPLISHED BY AN INTERCEPTION DITCH.
  - BARRIER SHALL BE MIRAFI SILT FENCE OR APPROVED EQUAL.



**1,000 GALLON SEPTIC TANK**

NOT TO SCALE

A4

**GENERAL NOTES**

NOT TO SCALE

A3

**UTILITY LOCATION REQUIREMENTS**

NOT TO SCALE

A2

**SILT FENCE**

NOT TO SCALE

A1

**MAIN-LAND**  
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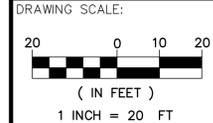
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MADE FOR

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PROJ. MGR: EKB  
DRAWN BY: TLB  
CHECKED BY: EKB  
SUBMISSION NO. 3  
SURVEY DATE: 2022-02-02  
SUBMISSION DATE: 2023-02-27  
SUBMITTED FOR: BID

**ISSUED FOR CONSTRUCTION**  
**SITE**  
**DETAILS**

ESTHER K. BIZIER PE #14236  
DRAWING NO.

**C9.1**  
MLDC NO. 22-018 3 OF 5

EROSION AND SEDIMENTATION CONTROL PLAN

RSU 56 Bus Garage
154 Weld Street, Dixfield, ME 04244

Prepared By:

MAIN-LAND DEVELOPMENT CONSULTANTS, INC.
Livermore Falls, Maine
February 27, 2023

1. INTRODUCTION:

"A person who conducts, or causes to be conducted, an activity that involves filling, displacing or exposing soil or other earthen materials shall take measures to prevent unreasonable erosion of soil or sediment beyond the project site or into a protected natural resource as defined in 38 M.R.S.A. §480-B. Sediment control measures must be in place before the activity begins. Measures must remain in place and functional until the site is permanently stabilized. Adequate and timely temporary and permanent stabilization measures must be taken." - Maine DEP Chapter 500 Rules, Appendix A.

This Plan has been developed to ensure that construction activities on this project site utilize sound erosion and sedimentation control measures. These measures will prevent or reduce the potential for the deposition of sediments down stream of site. The methods of control consist of preventive measures and remedial measures. Preventive measures are aimed at keeping the soils in their present location through mulching and through the reestablishment of vegetation. Remedial measures deal with the trapping and/or filtering of sediment laden stormwater run-off. Both types of measures will be utilized on this project.

The Erosion and Sedimentation Control Plan is best broken down into Temporary Measures, Winter Stabilization, and Permanent Measures.

2. TEMPORARY EROSION CONTROL:

Temporary control measures may consist of a combination of measures where appropriate and/or as shown on the plans.

A. Silt Fencing:

Silt fencing may be used in place of, or together with, the sediment filter barriers. The silt fencing will also be anchored at least four inches into the ground and placed along an even contour. Turn the ends of the fence up-grade to avoid runoff flowing around the fence. During frozen conditions, furnish and install Sediment Filter Berms in lieu of silt fencing or hay bales if frozen soil prevents the proper installation of silt fences and hay bales.

B. Temporary Mulch:

Temporary mulch shall be placed on all disturbed areas where seeding, construction or stabilization activities will not take place for over 7 consecutive days. Temporary mulch will also be placed on areas within 75 feet of a natural resource (wetland, stream, etc.) where seeding will not take place for over 48 hours, and on all bare soils outside the road base prior to any predicted significant rain event. A significant rain event is considered to be at least 1/2 inch of rain or more. Temporary mulch may be hay and shall be applied at a rate of two bales per 1,000 square feet. Soil must not be visible upon completion of application, regardless of rate of application.

C. Concrete Washout

To avoid contamination of groundwater or surface water utilize a containment structure to retain, collect and allow concrete to solidify. Locate concrete washout containment structure in designated area of site. Washout structure shall be located greater than 50 feet from a storm drain or discharge point unless the pit is lined with anchored 10mm plastic sheeting and overflow of the containment structure is prevented.

Size washout station to handle all wash water, solids and rainfall without overflowing. Approximately 7 gallons of water are required to clean concrete truck chute and approximately 50 gallons of water are required to clean the concrete truck hopper. Size to allow 4" of freeboard between top of liquid and top of structure.

Inspect structure daily for leaks and breaches. Remove solidified excess concrete from washout structure and dispose of property off site or in designated area.

D. Maintenance of Temporary Measures:

All temporary measures described above shall be inspected weekly and before/after every significant storm event (1/2 inch of rain or greater) throughout the construction of the project. Repairs or replacements of temporary measures will be made, as necessary. Once the site is stable, all temporary devices such as hay bale barriers and silt fencing will be removed.

A log shall be kept summarizing the inspections and any corrective action taken. The log must include the name(s) and qualifications of the person making the inspections, the date(s) of the inspections, and major observations about the operation and maintenance of erosion and sedimentation controls, materials storage areas, and vehicles access points to the parcel. Major observations must include BMPs that need maintenance, BMPs that failed to operate as designed or proved inadequate for a particular location, and location(s) where additional BMPs are needed. For each BMP requiring maintenance, BMP needing replacement, and location needing additional BMPs, note in the log the corrective action taken and when it was taken.

The log must be made accessible to department staff and a copy must be provided upon request. The permittee shall retain a copy of the log for a period of at least three years from the completion of permanent stabilization.

3. WINTER STABILIZATION:

The winter construction period is from November 1 through April 15. If the construction site is not stabilized with a combination of pavement, a road gravel base, 90% mature vegetation cover or riprap by November 1 then the site needs to be protected with winter stabilization.

Winter excavation and earthwork shall be completed such that no more than 1 acre of the site is denuded at any one time. Limit the exposed area to those areas in which work is expected to be undertaken during the following 15 days. Exposed area shall not be so large that it cannot be mulched in one day prior to any snow event.

Areas shall be considered to be denuded until the subbase gravel is installed in roadway areas or the areas of future loam and seed have been loamed and mulched. Hay and straw mulch rate shall be a minimum of 200 lbs./1,000 s.f. (3 tons/acre) and shall be properly anchored.

The contractor must install any added measures which may be necessary to control erosion/sedimentation from the site dependent upon the actual site and weather conditions.

Continuation of earthwork operations on additional areas shall not begin until the exposed soil surface on the area being worked has been stabilized, in order to minimize areas without erosion control protection.

1. Soil Stockpiles

Stockpiles of soil or subsoil will be mulched for over winter protection with hay or straw at twice the normal rate or at 200 lbs/1,000 s.f. (3 tons per acre) or with a four-inch layer of woodwaste erosion control mix. This will be done within 24 hours of stocking and re-established prior to any rainfall or snowfall.

Any new soil stockpile will not be placed (even covered with hay or straw) within 100 feet of any natural resources.

2. Natural Resource Protection

Any areas within 100 feet from any natural resources, if not stabilized with a minimum of 90 % mature vegetation catch, shall be mulched by December 1 and anchored with plastic netting or protected with erosion control mats.

During winter construction, a double line of sediment barriers (i.e. silt fence backed with hay bales or erosion control mix) will be placed between any natural resource and the disturbed area. Silt fencing may not be placed on frozen ground.

Projects crossing the natural resource shall be protected a minimum distance of 100 feet on either side from

the resource. Existing projects not stabilized by December 1 shall be protected with the second line of sediment barrier to ensure functionality during the spring thaw and rains.

3. Mulching

Areas shall be considered denuded until loamed, seeded and mulched. Hay and straw mulch shall be applied at a rate of 200 lb. per 1,000 square feet or 3 tons/acre (twice the normal accepted rate) and shall be properly anchored. Mulch shall not be spread on top of snow. The snow will be removed down to a one-inch depth or less prior to application.

An area shall be considered stabilized when exposed surfaces have been either mulched with straw or hay at a rate of 200 lb. per 1,000 square feet and adequately anchored, such that the ground surface is not visible through the mulch.

Between the dates of November 1 and April 15, all mulch shall be anchored by either peg line, mulch netting, or wood cellulose fiber. The ground surface shall not be visible through the mulch.

After November 1st, mulch and anchoring of all bare soil shall occur at the end of each final grading workday.

4. Seeding

Between the dates of October 15 and April 1st, loam or seed will not be required. During periods of above freezing temperatures, finished areas shall be fine graded and either protected with mulch or temporarily seeded (see table below) and mulched until such time as the final treatment can be applied. If after November 1st the exposed area has been final graded and loamed, then the area may be dormant seeded at a rate of 3 times higher than specified for permanent seed and then mulched.

TEMPORARY SEED MIX

Dormant seeding may be placed prior to the placement of mulch and fabric netting anchored with staples.

If dormant seeding is used for the site, all disturbed areas shall receive 4" of loam and seed at an application rate of 5lbs/1000 s.f. All areas seeded during the winter will be inspected in the spring for adequate catch. Areas not sufficiently vegetated (less than 90 % catch) shall be revegetated by replacing loam, seed, and mulch.

If dormant seeding is not used, all disturbed areas shall be revegetated in the spring.

5. Trench Dewatering and Temporary Stream Diversion

Water from construction trench dewatering or temporary stream diversion will pass first through a filter bag or secondary containment structure (e.g. hay bale lined pool) prior to discharge. The discharge site shall be selected to avoid flooding, icing, and sediment discharges to a protected resource. In no case shall the filter bag or containment structure be located within 100 feet of a protected natural resource.

6. Inspection and Monitoring

Maintenance measures shall be applied as needed during the entire construction season. After each rainfall, snowstorm or period of thawing and runoff, the site contractor shall perform a visual inspection of all installed erosion control measures and perform repairs as needed to insure their continuous function.

In the spring, following the temporary/final seeding and mulching, the contractor shall inspect and repair any damages and/or un-established spots. Established vegetative cover means a minimum of 90 % of areas vegetated with vigorous growth.

7. Standard for the timely stabilization of ditches and channels

All stone-lined ditches and channels shall be constructed and stabilized by November 1. All grass-lined ditches and channels shall be constructed and stabilized by September 1. Failure to stabilize a ditch or channel to be grass-lined by September 1, will require one of the following actions to stabilize the ditch for late fall and winter.

Install a sod lining in the ditch - Sod lining shall be installed in ditches by October 1. Proper installation includes pinning the sod onto the soil with wire pins, rolling the sod to guarantee contact between the sod and underlying soil, watering the sod to promote root growth into the disturbed soil, and anchoring the sod with jute or plastic mesh to prevent the sod strips from sloughing during flow conditions.

Install a stone lining in the ditch -Ditches shall be lined with stone riprap by November 1, as presented below. If necessary, the applicant will regrade the ditch prior to placing the stone lining so to prevent the stone lining from reducing the ditch's cross-sectional area.

8. Standard for the timely stabilization of disturbed slopes

Construct and stabilize stone-covered slopes by November 1. The applicant will Seed and mulch all slopes to be vegetated by September 1. Slopes will be considered any area having a grade greater than 15% (6H:1V). If the applicant fails to stabilize any slope to be vegetated by September 1, then the applicant will take one of the following actions to stabilize the slope for late fall and winter.

Stabilize the soil with temporary vegetation and erosion control mats -- Seed the disturbed slope with winter rye at a seeding rate of 3 pounds per 1000 square feet and apply erosion control mats over the mulched slope October 1. The applicant will monitor growth of the rye over the next 30 days. If the rye fails to grow at least three inches or cover at least 90% of the disturbed slope by November 1, cover the slope with a layer of wood waste compost or with stone riprap as described below.

Stabilize the slope with sod -- Stabilize the disturbed slope with properly installed sod by October 1. Proper installation includes pinning the sod onto the slope with wire pins, rolling the sod to guarantee contact between the sod and underlying soil, and watering the sod to promote root growth into the disturbed soil. Sod stabilization shall not be used late season to stabilize slopes having a grade greater than 33% (3H:1V).

Stabilize the slope with wood waste compost (erosion control mix) --Place a six-inch layer of wood waste compost on the slope by November 1. Prior to placing the wood waste compost, remove any snow accumulation on the disturbed slope. Wood waste compost will not be used to stabilize slopes having grades greater than 50% (2H:1V) or having groundwater seeps on the slope face.

Stabilize the slope with stone riprap -- Place a layer of stone riprap on the slope by November 1, similar to the Stone Lined Ditch the permanent erosion control section.

9. Standard for the timely stabilization of disturbed soils

Seed and mulch all disturbed soils on areas having a slope less than 15% by September 1. Failure to stabilize these soils by this date will require one of the following actions to stabilize the soil for late fall and winter.

Stabilize the soil with temporary vegetation -- Seed the disturbed soil with winter rye at a seeding rate of 3 pounds per 1000 square feet, lightly mulch the seeded soil with hay or straw at 75 pounds per 1000 square feet, and anchor the mulch with plastic netting by October 1. Growth of the rye will require monitoring over the following 30 days. If the rye fails to grow at least three inches or cover at least 75% of the disturbed soil before November 1, then mulch the area for over-winter protection as described below.

Stabilize the soil with sod -- Stabilize the disturbed soil with properly installed sod by October 1. Proper installation includes pinning the sod onto the soil with wire pins, rolling the sod to guarantee contact between the sod and underlying soil, and watering the sod to promote root growth into the disturbed soil.

Stabilize the soil with mulch -- Mulch the disturbed soil by spreading hay or straw at a rate of at least 150 pounds per 1000 square feet on the area so that no soil is visible through the mulch by November 1. Prior to applying the mulch, remove any snow accumulation on the disturbed area. Immediately after applying the mulch, anchor the mulch with plastic netting to prevent wind from moving the mulch off the disturbed soil.

4. PERMANENT EROSION CONTROL:

Permanent measures will consist of the placement of culverts; culvert inlet/outlet stabilization and the re-vegetation of all disturbed areas.

A. Re-vegetation Measures:

All areas to be permanently re-vegetated with grass will first be covered with loam and then fertilized.

Loam will be placed on all areas to be re-vegetated. Loam will be placed to a minimum depth of 4 inches. Loam will be the stockpiled topsoil, if possible.

Test the loam samples for nutrients at a proficient testing laboratory (The University of Maine provides this service). The areas with loam will then be fertilized with the recommended application rate. Lime will also be applied at a rate of 50 pounds per 1,000 square feet. Both the lime and the fertilizer will be mixed thoroughly with the soil.

All areas to be re-vegetated with permanent grass are to be seeded with the seed mix shown on the table below. This mixture will be applied at a rate of 2 pounds per 1,000 square feet.

Mulch will then be spread on all seeded areas at a rate of two bales per 1,000 square feet. Regardless of application rate the soil shall not be visible through the mulch.

Seed and mulch will be placed within five days of final grading of topsoil.

Seeded areas will be inspected after 30 days to determine the success of the seeding. If the ground cover is less than 90%, the area will be reseeded.

B. Critical Areas:

Slopes in excess of 15% will require the placement of a biodegradable netting or matting over the mulch and seed (if the netting has no mulch in it). If stabilization is to take place after October 1, slopes over 8% will be treated with the matting.

C. Litter Control

The property owner will perform daily cleanup of the site. During the spring, following snow melt, perform a thorough cleaning of the property paying particular attention to the drainage ditch to the east. Dispose of litter and trash in the onsite dumpster.

D. Maintenance of Permanent Measures:

All measures will be inspected weekly and before and after every significant storm event during construction, and then at least once annually to insure proper function. Any damaged areas will be repaired or replaced, as necessary. Any ditches or culverts not functioning as designed will be redesigned and reconstructed according to specifications prepared by a Professional Engineer.

In any event, seeding should take place either between May 1 and June 15, or August 15 and September 1.



MAIN-LAND DEVELOPMENT CONSULTANTS, INC.

69 MAIN ST. LIVERMORE FALLS, MAINE
367 US ROUTE 1 FALMOUTH, MAINE
PH: (207) 897-6732 FAX: (207) 897-5404
WWW.MAIN-LANDDCI.COM

PROJECT

RSU 56 BUS GARAGE

145 WELD STREET
DIXFIELD, MAINE

OWNER OF RECORD

REGIONAL SCHOOL UNIT NO. 56

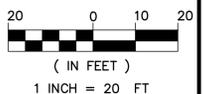
33 NASH ST
DIXFIELD, ME 04224

MADE FOR

REGIONAL SCHOOL UNIT NO. 56

C/O KENNY ROBBINS
145 WELD ST
DIXFIELD, ME 04224

DRAWING SCALE:



REVISION NOTES:
SUBMISSION 1: 2023-02-27 TLB
ISSUED FOR BID.

PROJ. MGR: EKB
DRAWN BY: TLB
CHECKED BY: EKB
SUBMISSION NO. 1
SURVEY DATE: 2022-02-02
SUBMISSION DATE: 2023-02-27
SUBMITTED FOR: BID

ISSUED FOR CONSTRUCTION

EROSION & SEDIMENTATION CONTROL PLAN

SEAL:



ESTHER K. BIZIER ME PE#14236

DRAWING NO.

C9.2

**GENERAL CONSTRUCTION NOTES**

- ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH THE PROJECT MANUAL FOR THIS PROJECT ENTITLED "RSU 56 BUS GARAGE", PUBLISHED BY ASSOCIATED DESIGN PARTNERS INC. ON FEBRUARY 27, 2023, OR AS AMENDED.
- ACCESS TO EXISTING GARAGE SHALL BE MAINTAINED AT ALL TIMES. INTERRUPTIONS MUST BE APPROVED BY THE OWNER PRIOR TO STARTING THE WORK.
- CONTRACTOR SHALL REFER TO THE PROJECT MANUAL SPECIFICATIONS SECTIONS 013100, 013300, AND 017839 FOR SUBMISSIONS REQUIREMENTS.
- CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL, A TRAFFIC CONTROL AND ACCESS MANAGEMENT PLAN CONFORMING TO THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, THE PLAN SHALL BE SPECIFIC TO PROJECT SITE CONDITIONS AND DEMONSTRATE THOUGHTFUL CONSIDERATION OF MINIMIZED DISRUPTION TO LOCAL ACCESS PATTERNS.
- CONTRACTOR SHALL SUBMIT TO THE OWNER FOR APPROVAL, A TEMPORARY ESSENTIAL SERVICES PLAN. THE PLAN SHALL BE SPECIFIC TO PROJECT UTILITIES AND APPURTENANCES, AND DEMONSTRATE THOUGHTFUL CONSIDERATION OF MINIMAL DISRUPTION TO END USERS. FURTHER, MAINTENANCE OF SERVICES AFFECTING EMERGENCY RESPONSE OR LIFE SAFETY/MEDICAL EQUIPMENT SHALL BE CONSIDERED OF PARAMOUNT IMPORTANCE.
- CONSTRUCTION SHALL NOT COMMENCE UNTIL AUTHORIZED BY OWNER.
- CONTRACTOR SHALL KEEP EMERGENCY SPILL CLEAN-UP KITS ON ALL REFUELING VEHICLES AND DESIGNATED REFUELING AREAS, AS APPLICABLE.
- LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE. PRIOR TO EXCAVATION, VERIFY THE UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND FACILITIES. PROVIDE THE FOLLOWING MINIMUM MEASURES.
  - PRE-MARK THE BOUNDARIES OF YOUR PLANNED EXCAVATION WITH WHITE PAINT, FLAGS, OR STAKES SO UTILITY CREWS KNOW WHERE TO MARK THEIR LINES.
  - CALL DIG SAFE, AT 1-888-DIGSAFE, AT LEAST THREE BUSINESS DAYS - BUT NO MORE THAN 30 CALENDAR DAYS - BEFORE STARTING WORK. DON'T ASSUME SOMEONE ELSE WILL MAKE THE CALL.
  - IF BLASTING, NOTIFY DIG SAFE AT LEAST ONE BUSINESS DAY IN ADVANCE.
  - WAIT THREE BUSINESS DAYS FOR LINES TO BE LOCATED AND MARKED WITH COLOR-CODED PAINT, FLAGS, OR STAKES. NOTE THE COLOR OF THE MARKS AND THE TYPE OF UTILITIES THEY INDICATE. TRANSFER THESE MARKS TO THE AS-BUILT DRAWINGS.
  - CONTACT THE LANDOWNER AND OTHER 'NON-MEMBER' UTILITIES (WATER, SEWER, GAS, ETC) FOR THEM TO MARK THE LOCATIONS OF THEIR UNDERGROUND FACILITIES. TRANSFER THESE MARKS TO THE AS-BUILT DRAWINGS.
  - RE-NOTIFY DIG SAFE AND THE NON-MEMBER UTILITIES IF THE DIGGING, DRILLING, OR BLASTING DOES NOT OCCUR WITHIN 30 CALENDAR DAYS, OR IF THE MARKS ARE LOST DUE TO WEATHER CONDITIONS, SITE WORK ACTIVITY, OR ANY OTHER REASON.
  - HAND DIG WITHIN 18 INCHES IN ANY DIRECTION OF ANY UNDERGROUND LINE UNTIL THE LINE IS EXPOSED. MECHANICAL METHODS MAY BE USED FOR INITIAL SITE PENETRATION, SUCH AS REMOVAL OF PAVEMENT OR ROCK.
  - DIG SAFE REQUIREMENTS ARE IN ADDITION TO TOWN, CITY, AND/OR STATE D.O.T. STREET OPENING PERMIT REQUIREMENTS.
  - FOR COMPLETE DIG SAFE REQUIREMENTS, CALL THE P.U.C. OR VISIT THEIR WEBSITE.
  - IF YOU DAMAGE, DISLOCATE, OR DISTURB ANY UNDERGROUND UTILITY LINE, IMMEDIATELY NOTIFY THE AFFECTED UTILITY. IF DAMAGE CREATES SAFETY CONCERNS, CALL THE FIRE DEPARTMENT AND TAKE IMMEDIATE STEPS TO SAFEGUARD HEALTH AND PROPERTY.
  - ANY TIME AN UNDERGROUND LINE IS DAMAGED OR DISTURBED, OR IF LINES ARE IMPROPERLY MARKED, YOU MUST FILE AND INCIDENT REPORT WITH THE P.U.C.. FOR AN INCIDENT REPORT FORM VISIT WWW.STATE.ME.US/MPUC OR CALL THE P.U.C. AT 1-800-452-4699.
- CONTRACTOR SHALL USE CAUTION WHEN WORKING UNDER, OVER, OR NEAR OVERHEAD ELECTRICAL UTILITIES. WHERE COMPLETION OF THE WORK IS NOT FEASIBLE WITHOUT WORK CLOSE TO UTILITIES AS DEFINED BY OSHA, THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITIES TO TEMPORARILY HOLD OR MOVE LINES. WHERE EXCAVATION NEAR UTILITY POLES IS REQUIRED TO COMPLETE THE WORK, THE CONTRACTOR SHALL CONSULT WITH CENTRAL MAINE POWER AND COORDINATE TEMPORARY POLE HOLD AS DEEMED NECESSARY BY THE UTILITY.
- TOPOGRAPHIC SURVEY INFORMATION SHOWN IN THIS DRAWING SET, HAS BEEN PERFORMED AND SUPPLIED BY MAIN-LAND DEVELOPMENT CONSULTANTS, INC (MLDC). WORK WAS NECESSARILY PERFORMED DURING WINTER CONDITIONS. REPORT DISCREPANCIES PRIOR TO STARTING THE WORK. A BOUNDARY SURVEY WAS NOT COMPLETED, BOUNDARY INFORMATION SHOWN IS APPROXIMATE AND BASED ON TAX MAP DATA.
- CONTRACTOR SHALL VERIFY SITE CONDITIONS, INCLUDING PERFORMING TEST PITS FOR LOCATIONS AND INVERTS OF UTILITIES, AND REPORT ANY DISCREPANCIES TO OWNER PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK.
- CONTRACTOR SHALL VERIFY UTILITY FUNCTION, MATERIAL, USE, AND CURRENT ACTIVITY AND OBTAIN OWNER APPROVAL PRIOR TO ABANDONMENT, REMOVAL, OR PLUGGING OF UTILITIES. CONTRACTOR SHALL FILL ABANDONED PIPES WITH FLOWABLE FILL, OR OTHER ABANDONMENT TECHNIQUE AS APPROVED BY OWNER.
- CONTRACTOR SHALL COORDINATE WITH THE DIXFIELD WATER DEPARTMENT FOR LOCATIONS OF EXISTING GATE VALVES AND FOR ISOLATION OF WATER MAINS AFFECTED BY THE PROJECT WORK. DIXFIELD WATER DEPARTMENT MAY REQUEST THE INSTALLATION OF ADDITIONAL VALVES FOR ISOLATION, AS CHANGE ORDERS TO THE CONTRACT.
- EXISTING PIPES COULD CONTAIN ASBESTOS. HANDLE AND DISPOSE OF ASBESTOS MATERIALS WITH CARE AND IN ACCORDANCE WITH APPLICABLE CODES AND SAFETY STANDARDS. DISPOSAL OF ASBESTOS MATERIALS WILL BE CONSIDERED ADDITIONAL TO CONTRACT AND HANDLED AS A PROJECT CHANGE ORDER.
- EXCESS MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE AT A LICENSED WASTE DUMP SITE OR UTILIZED BY THE CONTRACTOR IN OTHER PROJECTS.

**GENERAL CONSTRUCTION NOTES CONTINUED**

- CONTRACTOR SHALL RELOCATE EXISTING TBM INFORMATION ONTO NEW TBM OF CONTRACTORS CHOICE FOR CONSTRUCTION USE PRIOR TO REMOVAL OF EXISTING TBM.
- PROPERTY MONUMENTS SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RE RESET TO THEIR ORIGINAL LOCATIONS AT THE CONTRACTORS EXPENSE, BY A MAINE PROFESSIONAL LAND SURVEYOR. CONTACT MAIN-LAND DEVELOPMENT CONSULTANTS, INC. AT (207) 897-6752.
- ANY DAMAGE TO PRIVATE PROPERTY AS A RESULT OF THE CONTRACTOR'S EQUIPMENT AND OPERATIONS SHALL BE BROUGHT TO THE PROPERTY OWNER'S ATTENTION AND DOCUMENTED. CONTRACTOR SHALL REPAIR DAMAGES TO THE SATISFACTION OF THE OWNER, AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL WORK FROM AND WITHIN THE WORK LIMITS AS SHOWN ON THE PLANS.
- DIMENSIONS ARE TO EDGE OF GRAVEL, AND TO FACE OF FOUNDATION UNLESS NOTED OTHERWISE.
- THE OWNER SHALL HAVE THE AUTHORITY TO DETERMINE THE CONFORMANCE OF WORK AND MATERIALS TO THE PROJECT MANUAL AND TO REJECT THAT WHICH IS DEEMED NOT TO CONFORM. WHERE THE PROJECT MANUAL IS UNCLEAR OR PRESENTS CONFLICTING STANDARDS, THE OWNER SHALL HAVE THE AUTHORITY TO DETERMINE ACCEPTABILITY OF THE WORK AND MATERIALS.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL SIGNAGE AND STRIPING AS SHOWN AND IN ACCORDANCE WITH U.S.D.O.T. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CONTRACTOR SHALL ADD 6 INCHES OF LOAM, SEED AND MULCH TO DISTURBED AREAS UNLESS OTHERWISE NOTED. PROVIDE EROSION CONTROL MESH ON ALL SLOPES 6:1 OR STEEPER, AND ALONG DITCH CHANNELS.
- CONTRACTOR SHALL GRADE SURFACES TO DRAIN AWAY FROM BUILDINGS. PUDDLING OF WATER IN PAVED OR UNPAVED AREAS WILL NOT BE ACCEPTABLE.
- CONTRACTOR SHALL MAINTAIN TEMPORARY EROSION CONTROL MEASURES IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES FOR THE FULL DURATION OF CONSTRUCTION. INSPECT WEEKLY AND AFTER EACH STORM AND REPAIR AS NEEDED. REMOVE SEDIMENTS FROM THE SITE.
- DE-WATERING OF EXCAVATIONS SHALL BE DISCHARGED TO AN APPROVED DE-WATERING MANAGEMENT PRACTICE IN AN AREA OF LOW EROSION POTENTIAL. CONTRACTOR SHALL MONITOR THE FILTER FOR SEDIMENT STORAGE CAPACITY AND REPLACE AS NECESSARY. DISCHARGE DIRECTLY TO THE STORM DRAINS OR SITE DRAINAGES IS PROHIBITED.
- CONTRACTOR SHALL PROVIDE 4 FOOT WIDE LAYER OF 2-INCH THICK RIGID FOAM INSULATION ON BEDDING MATERIAL 6-INCHES ABOVE OR BELOW SEWER PIPE OR WATER PIPE, WHERE IT CROSSES A STORM DRAIN PIPE WITH LESS THAN 4 FEET OF SEPARATION AND WHERE COVER OVER WATER OR SEWER PIPE IS LESS THAN 5 FEET.
- CONTRACTOR SHALL PROVIDE THRUST BLOCKING FOR WATER LINES ACCORDING TO THE TABLE ON THE DETAIL SHEET AND AT LOCATIONS SHOWN ON THE PLANS.

**PROJECT MANUAL**

- THESE LITE SPECIFICATIONS ARE ARE NOT INTENDED TO SUPERCEDE THE PROJECT MANUAL OR OTHER OTHER PROJECT CONTRACTUAL DOCUMENTATION. CHECK WITH BID OR CONSTRUCTION ADMINISTRATOR FOR PROJECT MANUAL AND DIVISION 00 REQUIREMENTS.

**SITE PREPARATION**

- INSTALL EROSION AND SEDIMENTATION CONTROLS PRIOR TO COMMENCING WORK. EMPLOY BEST MANAGEMENT PRACTICES.
- EXCAVATION, TRENCHES, ETC SHALL BE KEPT PROPERLY FENCED, GUARDED, AND OR LIGHTED AS APPROPRIATE.
- REMOVE TREES, BRUSH, AND BOULDERS WITHIN LIMITS OF GRADING. STUMP AND GRUB AND STOCKPILE STUMPS FOR PROCESSING OF EROSION CONTROL MIX.
- STRIP TOPSOIL, CLEAN OF WOODY DEBRIS, ROCKS, OR OTHER NON SOIL PARTS LARGER THAN 2" IN DIAMETER. STOCKPILE FOR REUSE. NO TOPSOIL SHALL BE REMOVED FROM THE SITE.
- DISPOSE OF UNSUITABLE MATERIAL AND SURPLUSES IN AN OFF-SITE DISPOSAL AREA OBTAINED BY CONTRACTOR. CONFORM TO FEDERAL, STATE, AND LOCAL CODES.
- NOTIFY THE OWNER IF USEPA HAZARDOUS WASTE IS ENCOUNTERED.

**EARTHWORK**

- EARTH EXCAVATION IS ANY EXCAVATION NOT CLASSIFIED AS ROCK EXCAVATION. ROCK EXCAVATION IS REMOVAL AND DISPOSAL OF SOLID ROCK MATERIAL THAT CANNOT BE REMOVED WITHOUT SYSTEMATIC DRILLING AND BLASTING. INCLUDES BOULDERS 2CY AND GREATER.
  - COMPACT FILL UNDER GRAVEL, CONCRETE PADS, AND BUILDING FOOTPRINT TO 95% MAXIMUM DRY DENSITY, LAWN AREAS TO 90% MAXIMUM DRY DENSITY. DO NOT COMPACT SEPTIC FIELD FOOTPRINTS.
  - SUBMIT TEST RESULTS INCLUDING PROCTORS AND GRAIN SIZE ANALYSES OF ALL FILL MATERIALS TO THE OWNER.
  - COMMON BORROW - SOIL FREE FROM VEGETABLE MATTER, ROOTS, STUMPS, LUMPS OF CLAY, PERISHABLE RUBBISH OR PEAT, OR FROZEN MATERIAL, WHICH CAN BE PLACED AND COMPACTED TO THE REQUIRED DENSITIES. 8-INCH MAXIMUM STONE SIZE.
  - STRUCTURAL FILL (GRAVELLY COARSE SAND) - UNIFORMLY GRADED BANK-RUN GRAVEL WHICH CAN BE COMPACTED TO THE REQUIRED DENSITY.
 

SIEVE SIZE	PERCENT PASSING BY WEIGHT
3 inch	100
1/2 inch	25 - 70
#40	0 - 30
#200	0 - 7
  - CRUSHED STONE - CRUSHED NATURAL STONE FREE OF SHALE, ORGANICS, DEBRIS MEETING GRADATION:
 

SIEVE SIZE	PERCENT PASSING BY WEIGHT
2 1/2 inch	100
2 inch	95 - 100
1 inch	0 - 30
3/4 inch	0 - 5
  - 1.5" CLEAN CRUSHED STONE FOR SEPTIC - CLEAN AND FREE OF FINES MEETING GRADATION:
 

SIEVE SIZE	PERCENT PASSING BY WEIGHT
2 inch	100
1 1/2 inch	95 - 100
3/4 inch	0 - 40
1/2 inch	0 - 20
3/8 inch	0 - 8
#4	0 - 5
#200	0 - 2
- PEA STONE - NATURALLY ROUNDED STONE, FREE FROM SHALE, ORGANICS, AND DEBRIS MEETING GRADATION:
 

SIEVE SIZE	PERCENT PASSING BY WEIGHT
1 inch	100
3/4 inch	80 - 90
3/8 inch	20 - 60
1/4 inch	0 - 10
- GEOTEXTILE DRAINAGE FABRIC: MIRAFI 140N OR APPROVED EQUAL.
- GEOTEXTILE EARTH STABILIZATION: MIRAFI 600X OR APPROVED EQUAL.
- FLOWABLE FILL: MIX OF CEMENT, FLY ASH, FINE AGGREGATE, WATER AND DARAFILL, OR APPROVED EQUAL. THE MIX DESIGN SHALL CONSIST OF 75 POUNDS OF CEMENT, 2,500 POUNDS OF FINE AGGREGATE AND 2-1/4 OUNCES OF ADMIXTURE PER CUBIC YARD OF FILL.
- ROCK REMOVAL, IF REQUIRED, SHALL BE MEASURED AND APPROVED BY MAIN-LAND. REMOVAL BY MECHANICAL MEANS ONLY - NO BLASTING.

**EROSION AND SEDIMENTATION CONTROL**

- PROVIDE TEMPORARY, PERMANENT, AND ADDITIONAL WINTER MEASURES AS APPROPRIATE.
- REFER TO EROSION AND SEDIMENTATION CONTROL PLAN FOR DETAILS.
- EROSION CONTROL MESH (TEMP MEASURE) FOR SLOPES 6H:1V AND STEEPER: OPEN WEAVE SINGLE JUTE YARN - 0.9 LB/SY.
- EROSION CONTROL BLANKET (PERMANENT MEASURE) FOR STEEP SLOPE AND CONCENTRATED FLOWPATH SOIL REINFORCEMENT/STABILIZATION: SYNTHETIC FIBER MATRIX BETWEEN HEAVY DUTY , U.V. STABILIZED NETTING: NORTH AMERICAN GREEN P300 OR APPROVED EQUAL.
- EROSION CONTROL MIX: USE INTERCHANGABLY WITH SILT FENCE EXCEPT IN PROTECTED NATURAL RESOURCES. MIX OF RECYCLED COMPOSTED SHREDDED BARK, STUMP GRINDINGS, FLUME GRIT, AND FRAGMENTED WOOD GENERATED FROM WATER-FLUME LOG HANDLING SYSTEMS.
- SILTFENCE: MIRAFI 100X; TERRA TEX-SC; OR APPROVED EQUAL.
- CATCH BASIN UNDER GRADE SEDIMENT TRAP: STREAMGUARD MOD 3003; BASIN BAG BY EMCO DIST.; SILTSAC HIGH FLOW BY FERGUSON ENVIRONMENTAL; OR APPROVED EQUAL.
- CONSTRUCTION DEWATERING FILTER: DIRT BAG BY FERGUSON ENVIRONMENTAL, DANDY BAG BY DANDY PRODUCTS, OR APPROVED EQUAL.

**GRAVEL BASE COURSES**

- BASE AND SUBBASE GRAVEL - CLEAN SCREENED OR CRUSHED GRAVEL FREE FROM ORGANIC MATERIAL OR EXCESSIVE FINES. THE PORTION THAT PASSES A 3" SIEVE SHALL CONFORM TO THE FOLLOWING GRADATION REQUIREMENTS:
 

SIEVE SIZE	PERCENT PASSING BY WEIGHT	
	BASE	SUBBASE
2 inch	100	
1 inch	80 - 100	50 - 100
3/4 inch	35 - 75	
3/8 inch	25 - 60	25 - 70
#40	0 - 25	0 - 30
#200	0 - 5	0 - 7
- COMPACT TO 95% MAXIMUM DRY DENSITY, TEST IN PLACE COMPACTION ONCE PER 2,000 SF INSTALLED.

**RIPRAP**

- SOUND, HARD, NON-SCHISTOSIC, ANGULAR STONES OF UNIFORM COLOR MEETING SPECIFIED D50 SIZE. INSTALL ON GEOTEXTILE DRAINAGE FABRIC UNLESS NOTED OTHERWISE.

**LAWN AND GRASS**

- LIGHT ROLL FINISHED LOAM SURFACE SMOOTH, RAKE/SCARIFY TO 1/2 INCH, SEED, FERTILIZE, AND MULCH. MAINTAIN WATERING UNTIL FIRST MOWING.
- STARTER FERTILIZER: COMMERCIAL BALANCED FERTILIZER (18-24-12), DELIVERED TO THE SITE IN BAGS LABELED WITH MANUFACTURER'S GUARANTEED ANALYSIS. APPROXIMATELY 30% TO 50% OF THE FERTILIZER SHALL BE A SLOW RELEASE FORM (UF IDBU SCU).
- LAWN AREAS SEED: 5LB PER 1,000 SF OR HYDRO-SEED AT CERTIFIED COMPARABLE RATE. FREE FROM NOXIOUS WEED SEED AND RECLEANED, GRADE A RECENT CROP, TREATED WITH FUNGICIDE, DELIVERED TO SITE IN MANUFACTURER'S GUARANTEED ANALYSIS. BY WEIGHT:
 

CHEWING FESCUE "DIGNITY"	35%
PENNLAWN CREEPING RED FESCUE	35%
PERENNIAL RYE "TOURSTAR" (NUTRITE)	30%
- LOW MAINTENANCE SEED: MDOT SECTION 717.03 METHOD #3 'ROADSIDE MIX' WITH CROWN VETCH ADDED
- MULCH: LONG FIBERED HAY OR STRAW FREE FROM NOXIOUS WEEDS.
- KEEP MOIST DURING GERMINATION AND WATER PERIODICALLY UNTIL APPROVED CATCH OR PROJECT TURN-OVER.

**ELECTRICAL & TELECOMMUNICATIONS**

- BURY ELECTRIC AND TELECOM CONDUITS 29 INCHES BELOW FINISH GRADE OR AS OTHERWISE REQUIRED BY CODE. INSTALL BURIED UTILITY WARNING TAPE 15" ABOVE LINE OR AS REQUIRED BY CODE. COLOR CODE PER STANDARDS.
- CONDUIT: 1" TO 2" (AS SPECIFIC BY ELECTRICIAN) SCHED. 40 PVC WITH BONDED JOINTS. BED IN SAND 6" AROUND PIPE.
- COORDINATE SITE WORK WITH ELECTRICAL TRADES.

**WATER DISTRIBUTION**

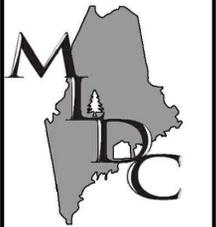
- DUCTILE IRON PIPE - CLASS 52 CONFORMING TO ANSI 21.51, 250 PSI WORKING PRESSURE, WITH PUSH-ON SINGLE GASKET JOINTS. PIPE INSIDE SHALL HAVE A CEMENT LINING OF TWICE THE THICKNESS SPECIFIED IN ANSI 21.4 AND A DOUBLE ASPHALT SEAL-COAT THAT DOES NOT IMPART TASTE OR ODOR TO THE WATER. OUTSIDE OF PIPE SHALL BE BITUMINOUS COATED.
- HDPE PIPE - P.E. 4710 CONFORMING TO ASTM D3350, DR-9, 250 PSI WORKING PRESSURE, FUSE WELDED JOINTS, MECHANICAL CONNECTION TO D.I PIPE AND VALVES, WHERE APPLICABLE.
- RESTRAIN MECHANICAL JOINTS WITH MEGALUG RETAINER RINGS CONFORMING TO ASTM A536-80, OR APPROVED EQUAL.
- GATE VALVES SHALL BE IRON BODY, "O" RING SEALED, BRONZE MOUNTED, RESILIENT SEAT GATE WITH 2-INCH OPERATING NUT AND MECHANICAL JOINT HUBS WITH RETAINER GLANDS, AND SHALL CONFORM TO THE LATEST AWWA STANDARD SPECIFICATIONS FOR GATE VALVES. THE VALVE SHALL BE DESIGNED FOR 200 PSI WORKING AND 400 PSI TEST PRESSURE.
- FURNISH AND INSTALL VALVE BOXES FOR BURIED GATE VALVES AND CURB STOPS. CAST IRON SLIDE TYPE ADJUSTABLE BOX WITH CAST IRON "WATER" COVERS.
- THRUST BLOCKING - PROVIDE AT CHANGES IN DIRECTION, CHANGES IN SIZE, CAPPED ENDS, AND HYDRANTS.
- PRESSURE TEST, LEAKAGE TEST, FLUSH, AND DISINFECT PER INDUSTRY STANDARDS OR IN COORDINATION WITH THE WATER DEPARTMENT AND PROVIDE DOCUMENTATION TO THE OWNER.

**SEWER AND SEPTIC**

- GRAVITY SEWER PIPE: PVC CONFORMING TO ASTM D3404, SDR-35, WATERTIGHT PUSH ON COUPLING WITH O-RING GASKET.
- TRENCH INSULATION: 2" RIGID, EXTRUDED POLYSTYRENE WITH K VALUE OF 0.18, 2.2 LB/CF, 30 PSI - DOW CHEMICAL OR APPROVED EQUAL.
- PRECAST CONCRETE SEPTIC TANK: 4000 PSI CONCRETE, CAPACITY AS NOTED, INTEGRALLY CAST TANK PENETRATIONS, BUTYL RUBBER SEALED JOINTS, INLET AND OUTLET ACCESS COVERS AND CENTER ACCESS CLEANING COVER, AND EFFLUENT FILTER. AMERICAN CONCRETE #2039, #2058, #2062, OR APPROVED EQUAL.
- PRECAST CONCRETE DIST. BOX: 4000 PSI CONCRETE, INTEGRALLY CAST SELF SEALING PIPE SEALS, 5 OUTLET CONFIGURATION, AS NOTED. AMERICAN CONCRETE #2911 OR APPROVED EQUAL.
- INSULATE PIPES WHERE COVER IS LESS THAN 5 FEET.
- PROVIDE MECHANICAL WATERSTOP TRENCH DAMS WHERE PIPE SLOPE EXCEEDS 0.03.
- PROVIDE CLEANOUTS EVERY 100 FEET ON CONTINUOUS RUN GRAVITY LINES.
- TEST LINES FOR LEAKS PER INDUSTRY STANDARDS AND PROVIDE DOCUMENTATION TO THE OWNER.

**CLOSEOUT/TURN-OVER**

- PROVIDE FINAL CLEANING: REMOVE RUBBISH, WASTE MATERIAL, LITTER; SWEEP PAVED AND CONCRETE SURFACES, REMOVE SPILLS AND STAINS, REMOVE NON-PERMANENT LABELS, TOUCH UP DAMAGED SURFACES AND FINISHES.
- REMOVE TEMPORARY MEASURES AND MATERIALS.
- PROVIDE OPERATIONS AND MAINTENANCE MANUALS, WARRANTIES, TESTING REPORTS, AND AS-BUILT OR RECORD DRAWINGS, IN AN ORGANIZED PACKAGE.



**MAIN-LAND**  
DEVELOPMENT  
CONSULTANTS, INC.

69 MAIN ST. LIVERMORE FALLS, MAINE  
367 US ROUTE 1 FALMOUTH, MAINE  
PH: (207) 897-6752 FAX: (207) 897-5404  
WWW.MAIN-LANDDCI.COM

**PROJECT**

**RSU 56  
BUS GARAGE**

145 WELD STREET  
DIXFIELD, MAINE

**MADE FOR**

**REGIONAL SCHOOL  
UNIT NO. 56**

33 NASH ST  
DIXFIELD, ME 04224

**MADE FOR**

**REGIONAL SCHOOL  
UNIT NO. 56**

C/O KENNY ROBBINS  
145 WELD ST  
DIXFIELD, ME 04224

**DRAWING SCALE:**

**NOT TO SCALE**

**SUBMISSION NOTES:**

SUBMISSION 1: 2023-02-27 EKB  
ISSUED FOR BID.

PROJ. MGR: EKB  
DRAWN BY: EKB/TLB  
CHECKED BY: RLB  
SUBMISSION NO. 1  
SURVEY DATE: N/A  
SUBMISSION DATE: 2023-02-27  
SUBMITTED FOR: BID

**NOT FOR CONSTRUCTION**

**CONSTRUCTION  
NOTES & SITE  
SPECIFICATIONS**

**SEAL:**



ESTHER K. BIZIER, ME PE#14236

**DRAWING NO.**

**C9.3**

MLDC NO. 22-018 5 OF 5

**GENERAL CONSTRUCTION NOTES**

N.T.S.

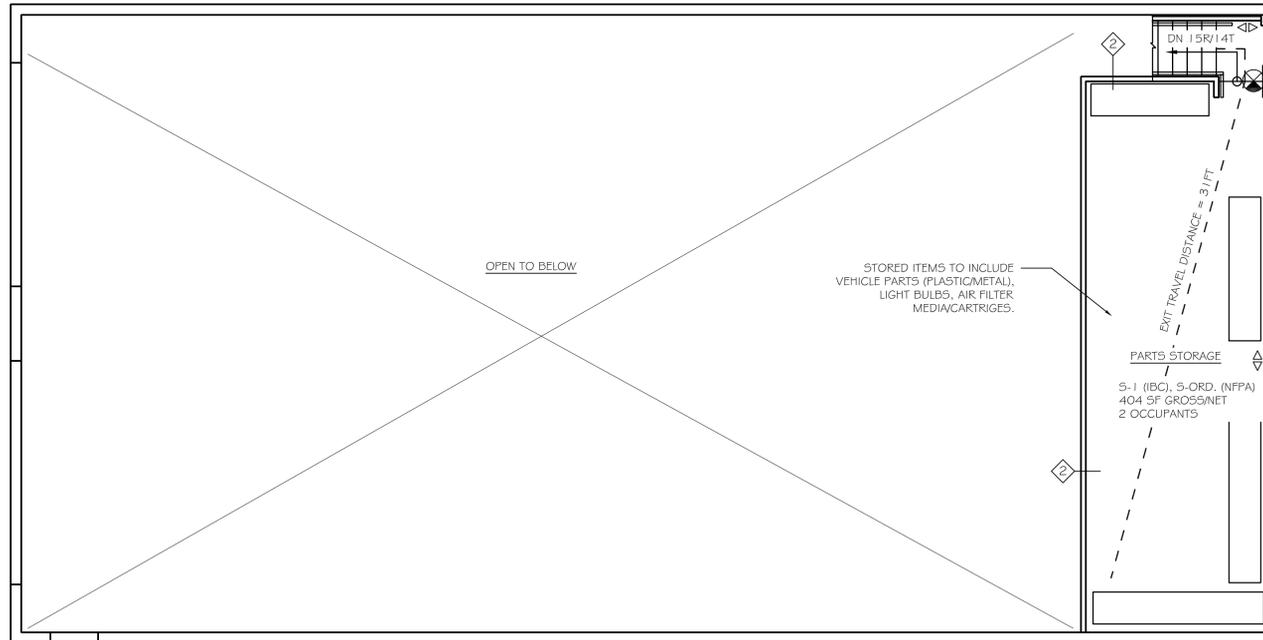
**A2**

**TECHNICAL SPECIFICATIONS (LITE)**

N.T.S.

**A1**

Work Scope includes construction of a new 1-story 3200sf (Building Footprint Area) un-sprinkled municipal bus repair garage building.		
Section 306, 311.1.2	Building Use Group:	Storage S-1 (2916 sf gross, 2731 sf net)
T504.3	Allowable Building Height	Business B (Office) (126sf gross)
T506.2	Allowable Building Area	40ft, 1-story for S-1 use (NS)
T 601	Construction Type:	Aa = A1+(NS)(1) = 9000sf, for S-1 use (NS), Eq (5-1)
T1004.1.2	Hazard Classification	VB
	Occupant Loads:	Ordinary Business B Areas: 126sf / 100 gross sf/occ. = 1.3 occ. 1 <sup>st</sup> floor Storage S-1 Areas: 2916sf / 300 sf/occ = 9.7 occ. 1 <sup>st</sup> flr 410sf / 300 sf/occ = 1.4 occ. Mezz. Total 1 <sup>st</sup> flr + Mezz = 13 occ.
T508.4	Separation of Use Rating:	No separation required between B, S-1 occupancies.
T509	Ancillary Room Rating:	N/A
1023.2	Interior Exit Stair Enclosure Rating:	Enclosure not required per 1019.2
T1020.1	Corridor Enclosure Rating:	N/A No exit corridors provided.
	Shafts/Elevators:	N/A
	Area of Refuge:	N/A
1011.2	Minimum Stair width:	36" for Occ load < 50. Mezz occ load is 2.
1011.5.2	Maximum Riser height:	7"
1011.5.2	Minimum Tread width:	11"
1011.3	Minimum Headroom:	80" at stairs, 7'-6" at occupied spaces
	Maximum ht between landings:	12'-0"
1014.2	Handrail height:	Between 34" and 38"
	Handrail top extension:	12"
	Handrail bottom extension:	12"
1014.3.1	Handrail diameter:	1 1/4"
1015.3	Guardrail height:	42"
1015.4	Maximum baluster open space:	3 7/8"
T1017.2	Max. Allowable Travel Distance:	200' non-sprinkled at B, S-1 uses
1006.2.1	Max. Allow. Common Path for one exit:	100' for Occ Load < 30 and non-sprinkled
1020.4	Max. Allowable Dead End Corridor:	20' non-sprinkled
1020.2	Minimum Egress Corridor Width:	N/A No exit corridors provided.
T1006.3.1	Minimum Number of Required Exits	2 exits with occ load < 500
T1006.3.2(2)	Stories with one Exit	N/A building is one story
1007.1.1	Separation of exits:	0.5 the diagonal distance = 40ft
1010.1.10	Panic Hardware	Not Required, Occupancy is Not A, E, or H.
1010.1.1	Minimum Egress Door Clear Width:	32"
1013.1	Illuminated Exit Signage:	Required
1008.3.1	Emergency Lighting:	Required
903.2.9	Fire Sprinkler System:	Not Required at S-1 < 12,000sf, < 3 stories, < 24k sf TA
907.2.2	Manual Fire Alarm System:	Not Required at Repair Garage < 5k sf Fire Area
906.1	Portable Fire Extinguishers:	Required
907.2.4	Smoke Detector/Alarms:	Not Required
907.2.4	Heat Detectors/Alarms:	Not Required
T803.11	Classification of Finishes:	Class B at interior exit stairs, exit passageways. Class C at corridors, rooms and enclosed spaces.



B3 IBC 2015 CODE STUDY

SCALE: N/A

B2

B1 MEZZANINE FLOOR CODE PLAN

SCALE: 3/16" = 1'-0"

Section 6.1.13	Classification of Occupancy	Chapter 42 – New Storage (ordinary) (3446f Gr) Un-Sprinkled
T4.1.1 (220)	Construction Type:	V (000)
42.1.5.1	Hazard Classification (6.2.2.3):	Class B - Ordinary Hazard (Vehicle Lubrications)
42.1.7	Occupant Loads:	S=Max Probable (Use 10 per IBC 2015)
T7.3.1.2	Allowable Mezzanine Area	1/3 of open area below = 885 sf > 404sf OK
8.6.10.2.1	Mezzanine Enclosure	Enclosure allowed where Mezz occ. Load ≤ 10 persons.
8.6.10.3.1	Separation of Use Rating:	N/A Single Use
T6.1.14.4.1b	Protection from Hazards (8.7.3.1):	Hazardous Material Storage per NFPA 30, 54, 55, 58, 400, 495
42.3.2.1	Exit Stair Enclosure Rating:	1 hour, only if exit separation is required
7.1.3.1	Corridor Wall Rating:	0hr, occ load = 10 < 30, (1 hr if occ load > 30)
42.2.2.12	Area of Refuge:	Permitted per 7.2.2.12
7.2.2.2.1.2(a)	Minimum New Stair width:	36" (occ load < 50)
T7.2.2.2.1.1a	Maximum Riser height:	7"
	Minimum Tread width:	11"
	Minimum Headroom:	6'-8" at stairs, 7'-6" at occupied spaces
	Maximum ht between landings:	12'-0"
7.2.2.4.6.1	Guardrail Height:	42"
7.2.2.4	Handrail height:	34" min, 38" max. Both sides of stair.
7.2.2.4.5.10	Handrail top extension:	12" horz.
	Handrail bottom extension:	1 tread (11") sloped
7.2.2.4.5.6	Handrail diameter:	1-1/4" O.D.
7.2.2.4.6.3	Maximum baluster open space:	3 7/8"
T42.2.6	Max. Allowable Travel Distance:	200' (non-sprinkled), Ordinary Hazard
T42.2.5	Max. Allowable Common Path:	50' (non-sprinkled)
T42.2.5	Max. Allowable Dead End Corridor:	50'
7.4.3.1 (2)	Minimum Egress Corridor Width:	36" for Occ Load < 50.
38.3.6.1	Corridors	Not Required for spaces with one tenant.
42.2.4	Minimum Number of Required Exits	2, 1 if Travel Distance < 50ft per 40.2.4.1.2
42.2.4.1	Single Means of Egress	Permitted from Mezzanine with travel distance to stair=50ft. 2 exits provided at main floor level
7.1.5.1	Minimum Headroom	7'-6"
	Minimum Horiz Egress Enclosure rating:	n/a
7.5.1.3.2	Separation of exits:	0.5 the diagonal distance = 40ft (.33 if fully sprinkled)
7.2.8	Panic Hardware	Not Required in S occupancy per ch. 42.
42.2.2.9	Fire Escapes stairs as means of egress:	Allowed (42.2.2.8)
42.2.2.9	Fire Escapes ladders as means of egress:	Allowed
7.2.1.2.3.2	Minimum Egress Door Width:	32" (28" leaf width at Exg doors 7.2.1.2.4 (4))
7.2.1.8.1	Exit Door Self Closers	Required at doors normally required to be closed.
42.2.8.1	Means of Egress Lighting:	Required, also per 48.2.8, 38.2.8
42.2.9	Emergency Lighting:	Required
42.3	Fire Sprinkler System:	Not Required for S ordinary hazard use.
42.3.4.1.2	Fire Alarm System:	Not Required per 42.3.4.1.2 < 100K sf area
42.3.5	Portable Fire Extinguishers:	Required, install per NFPA 10 (T. 13.6.1.2)
42.3.3.3	Smoke Detector/Alarms:	Not Required per 42.3.4.1.2 < 100K sf area
	CO / Heat Detectors/Alarms:	Not Required per 42.3.4.1.2 < 100K sf area
	Classification of Finishes:	Class A, B, or C at all areas

3.3.1.2.2 GARAGE AREA IS CLASSIFIED AS MINOR REPAIR GARAGE  
7.4.1 OCCUPANCY CLASSIFIED PER ADOPTED BUILDING CODE (IBC 2015: S-1)  
7.4.5 SPRINKLER NOT REQUIRED (NOT A "MAJOR" REPAIR GARAGE)

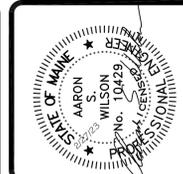
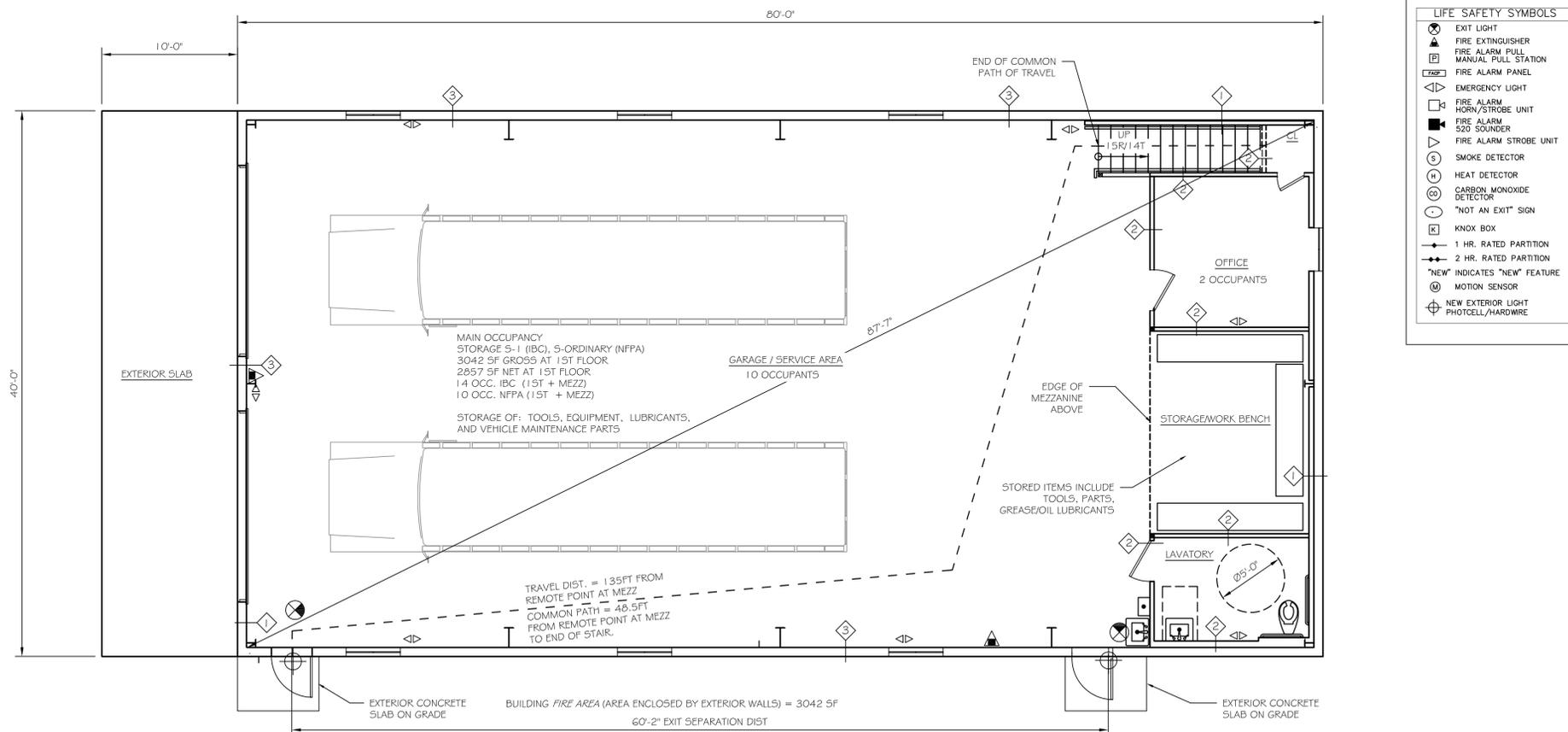
A2 NFPA 101 CODE STUDY

SCALE: N/A

A1

FIRST FLOOR CODE PLAN

SCALE: 3/16" = 1'-0"



**ASSOCIATED DESIGN PARTNERS INC.**  
Office: (207) 878-1751  
Fax: (207) 878-1788  
E-Mail: [adp@adpengineering.com](mailto:adp@adpengineering.com)  
80 Leighton Road  
Falmouth, Maine 04105

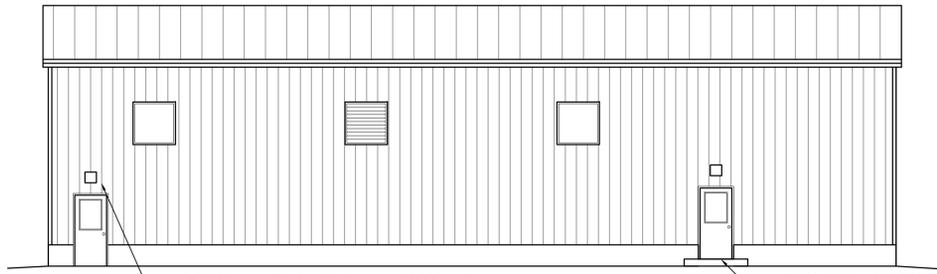
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PROJECT: **RSU 56 BUS GARAGE**  
**DIXFIELD, ME.**  
FOR:  
SHEET TITLE: **CODE PLANS ISSUED FOR BID**

NO.	BY	DATE	REVISIONS	DESCRIPTION

DATE : 2/27/23  
SCALE : AS NOTED  
DESIGN BY: ASW  
DRAWN BY: RSC  
FILE #:  
PROJECT NUMBER:  
**22017**  
SHEET NO:  
**AO**



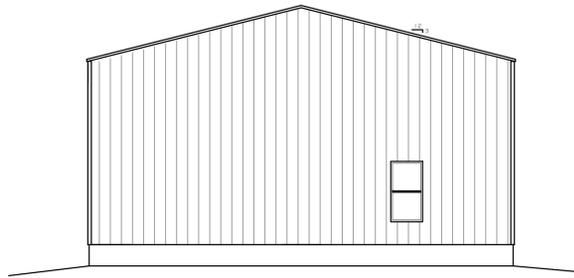


EXTERIOR WALL PACKS ABOVE ALL MAN DOORS AND OVERHEAD DOORS TO BE 90 WATT LED FULL CUTOFF 4000K W/ PHOTOCELL BY WARELIGHT MODEL WLFC. MOUNT 12" ABOVE DOOR HEAD.

NOTE DOOR IS RAISED TO ACCOUNT FOR INCREASING SLAB FITCH

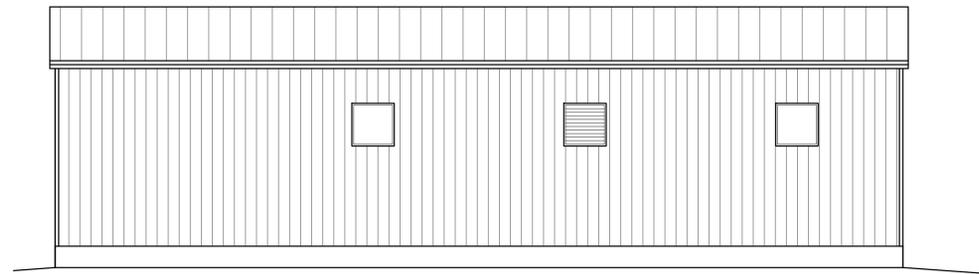
B3 RIGHT SIDE (WEST) ELEVATION

SCALE: 1/8" = 1'-0"



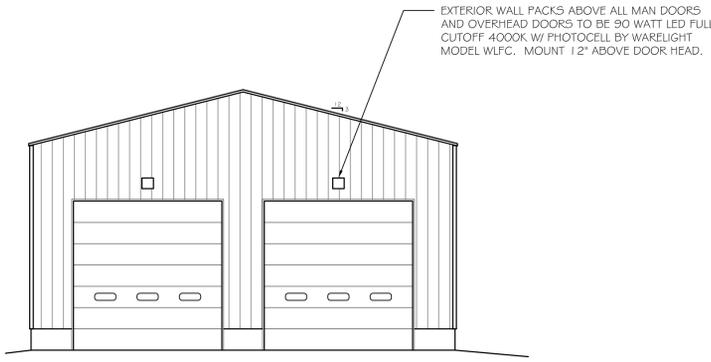
C2 REAR (SOUTH) ELEVATION

SCALE: 1/8" = 1'-0"



B3 LEFT SIDE (EAST) ELEVATION

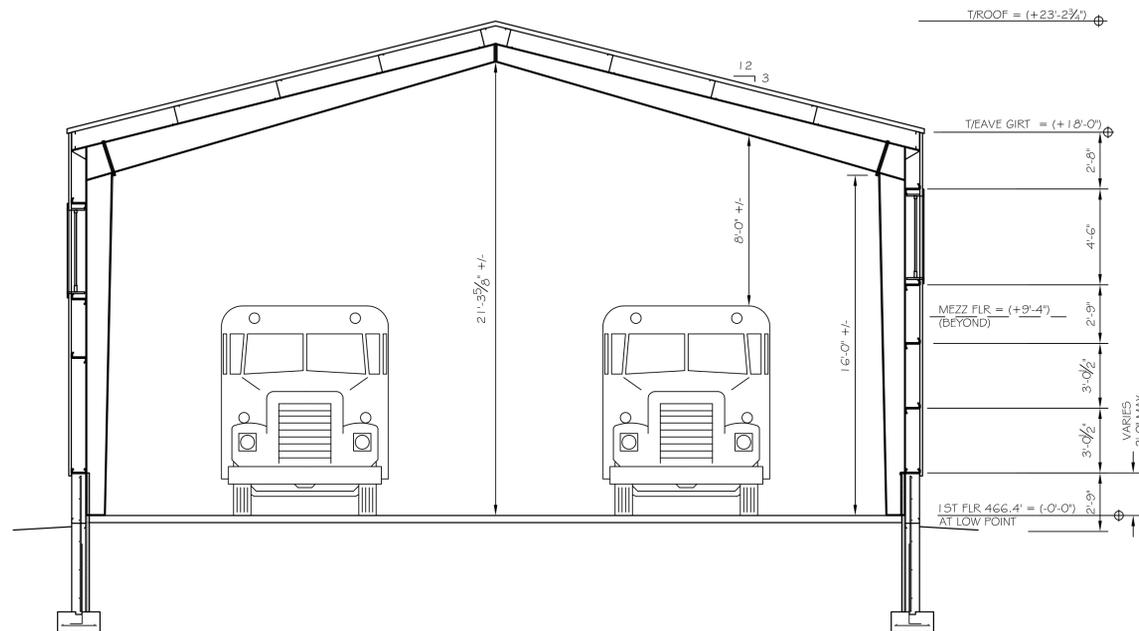
SCALE: 1/8" = 1'-0"



EXTERIOR WALL PACKS ABOVE ALL MAN DOORS AND OVERHEAD DOORS TO BE 90 WATT LED FULL CUTOFF 4000K W/ PHOTOCELL BY WARELIGHT MODEL WLFC. MOUNT 12" ABOVE DOOR HEAD.

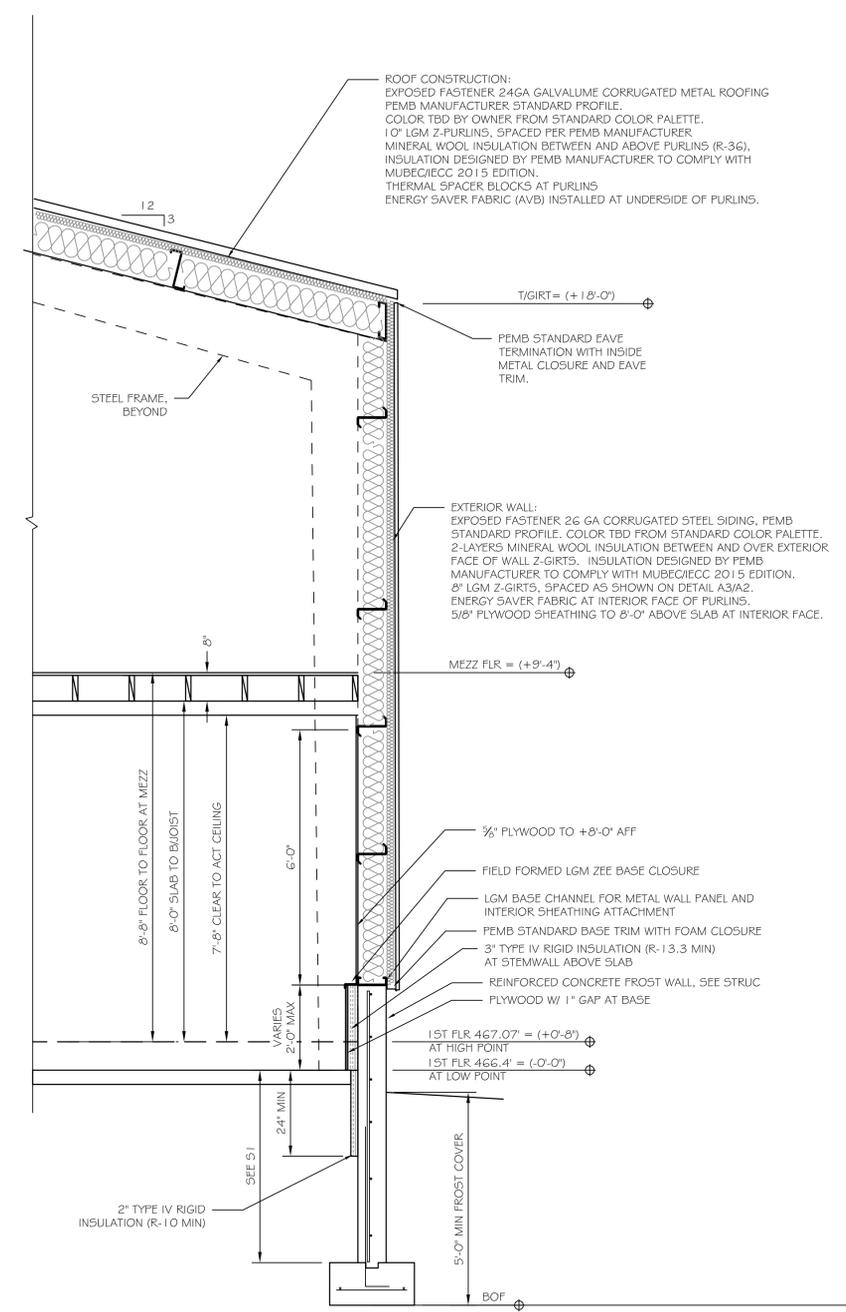
B2 FRONT (NORTH) ELEVATION

SCALE: 1/8" = 1'-0"



A3 BUILDING SECTION

SCALE: 1/4" = 1'-0"



A1 WALL SECTION AT MEZZANINE

SCALE: 1/2" = 1'-0"



**ASSOCIATED DESIGN PARTNERS INC.**

Office: (207) 878-1751  
 Fax: (207) 878-1788  
 E-Mail: [adp@adpengineering.com](mailto:adp@adpengineering.com)  
 80 Leighton Road  
 Falmouth, Maine 04105

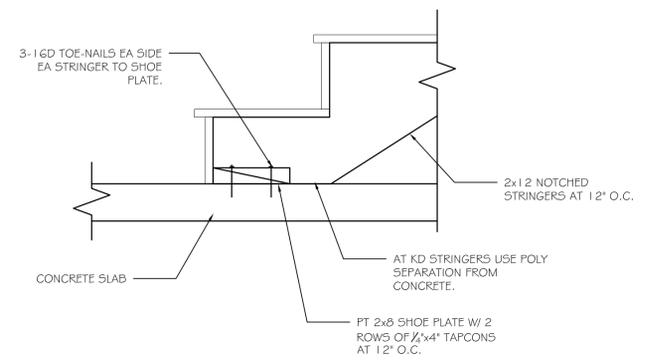
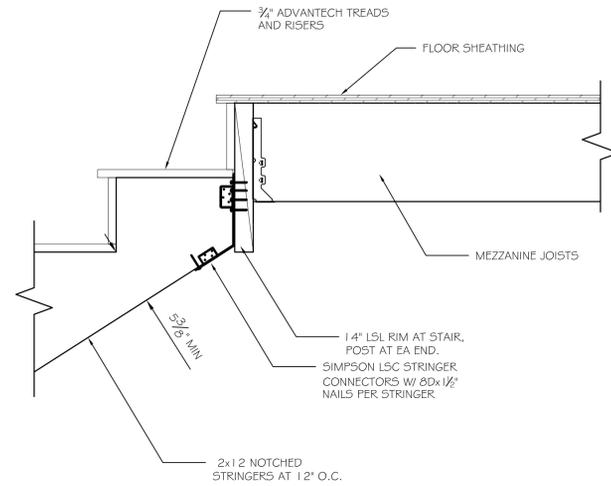
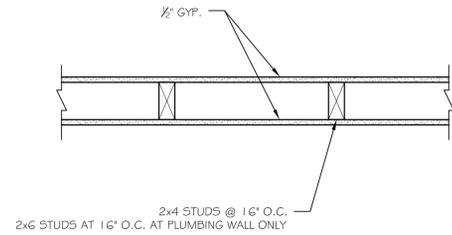
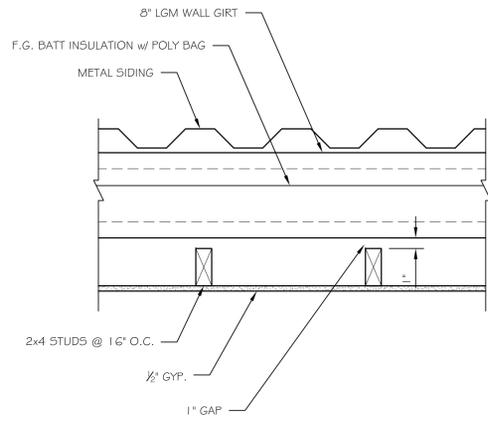
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PROJECT: **RSU 56 BUS GARAGE DIXFIELD, ME.**

SHEET TITLE: **SECTIONS AND ELEVATIONS ISSUED FOR BID**

NO.	BY	DESCRIPTION	DATE

DATE : 2/27/23  
 SCALE : AS NOTED  
 DESIGN BY: ASW  
 DRAWN BY: RSC  
 FILE #:  
 PROJECT NUMBER:  
**22017**  
 SHEET NO:  
**A2**

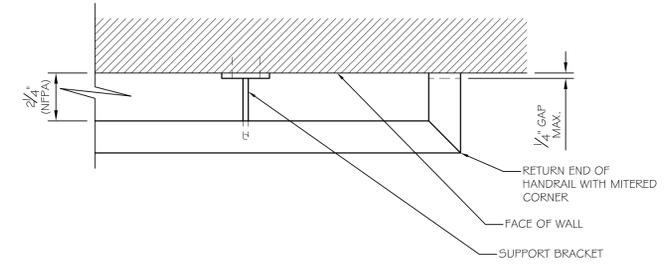
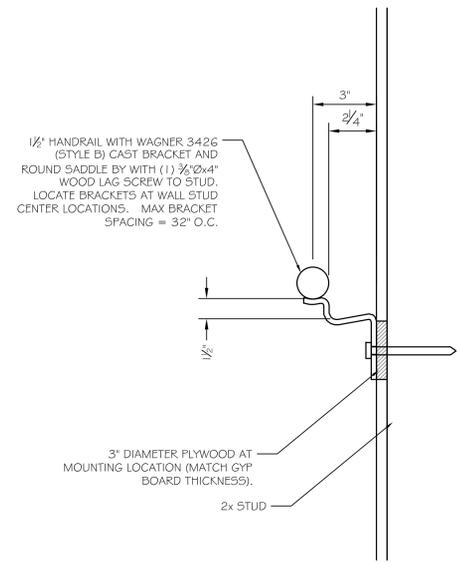
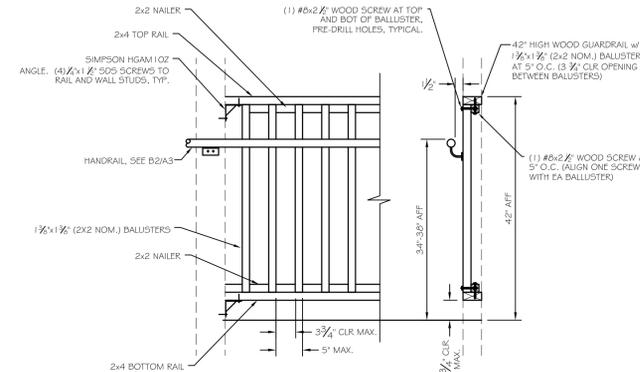
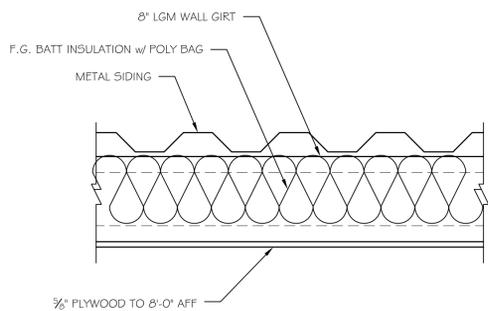


C4 WALL ASSEMBLY  
SCALE: NTS

C3 WALL ASSEMBLY  
SCALE: NTS

C2 STRINGER DETAIL  
SCALE: NTS

C1 STRINGER DETAIL  
SCALE: NTS

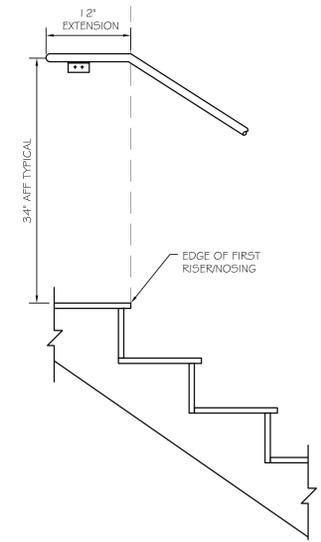
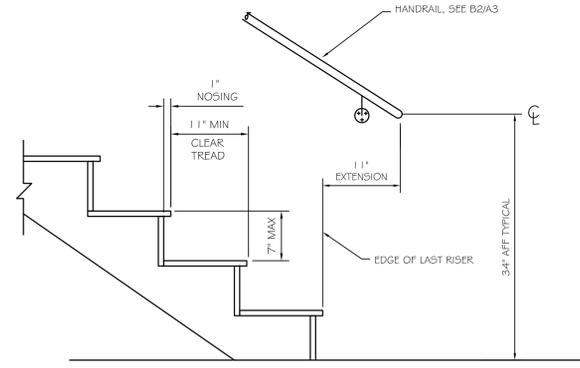
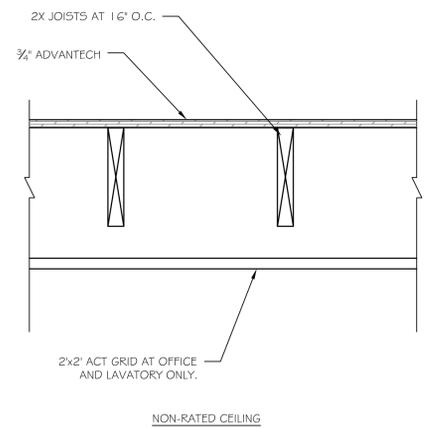


B4 WALL ASSEMBLY  
SCALE: NTS

B3 WOOD GUARDRAIL  
SCALE: 3/4" = 1'-0"

B2 HANDRAIL DETAIL AT WALL  
SCALE: NTS

B1 HANDRAIL DETAIL AT WALL  
SCALE: NTS

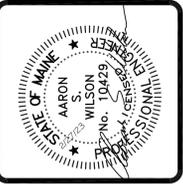


A4 FLOOR-CEILING AT OFFICE AND LAVATORY  
SCALE: NTS

A3

A2 HANDRAIL EXTENSION AT BOT OF STAIR  
SCALE: NTS

A1 HANDRAIL EXTENSION AT TOP OF STAIR  
SCALE: NTS



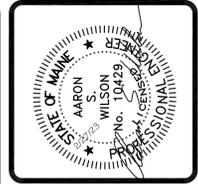
**ASSOCIATED DESIGN PARTNERS INC.**  
Office: (207) 878-1751  
Fax: (207) 878-1788  
E-Mail: [adp@adpengineering.com](mailto:adp@adpengineering.com)  
80 Leighton Road  
Falmouth, Maine 04105

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PROJECT: **RSU 56 BUS GARAGE**  
DIXFIELD, ME  
FOR:  
SHEET TITLE: **DETAILS FOR BID**

REVISIONS	DATE

DATE : 2/27/23  
SCALE : AS NOTED  
DESIGN BY: ASW  
DRAWN BY: ASW  
FILE #:  
PROJECT NUMBER:  
**22017**  
SHEET NO:  
**A3**



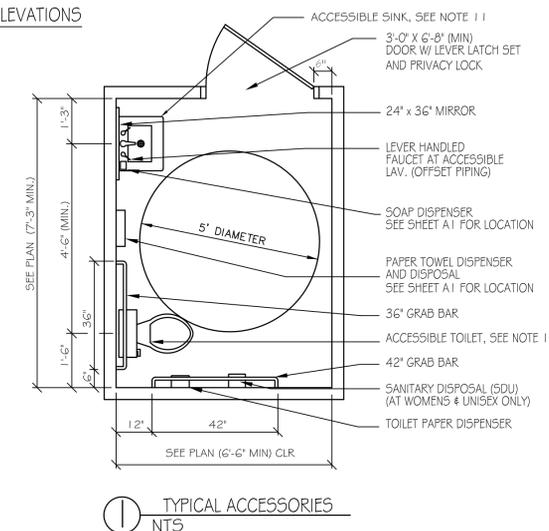
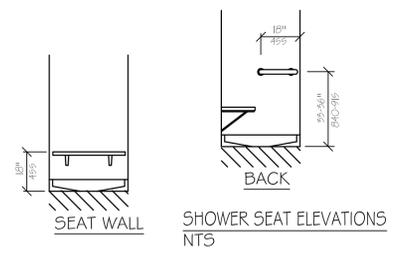
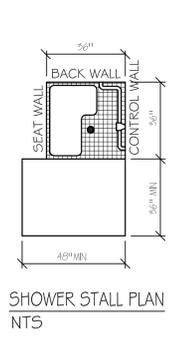
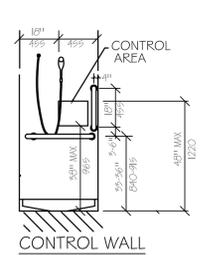
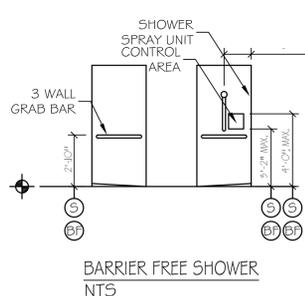
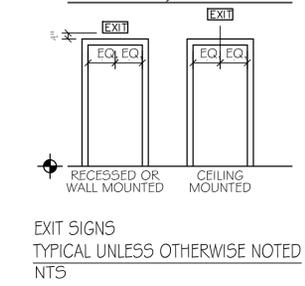
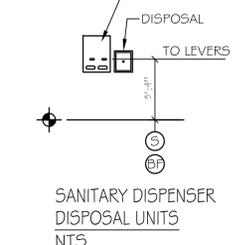
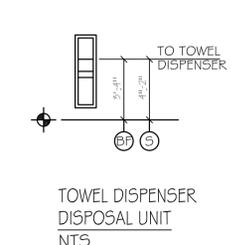
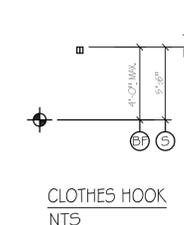
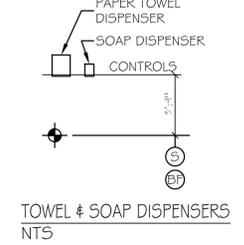
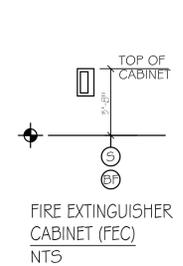
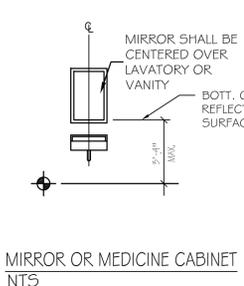
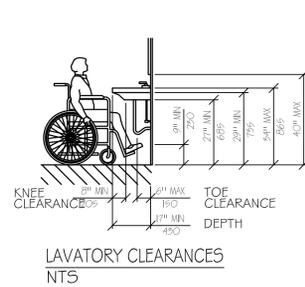
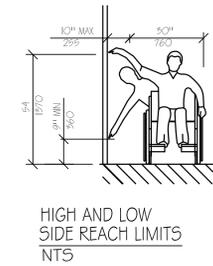
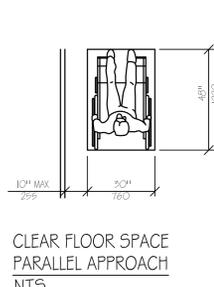
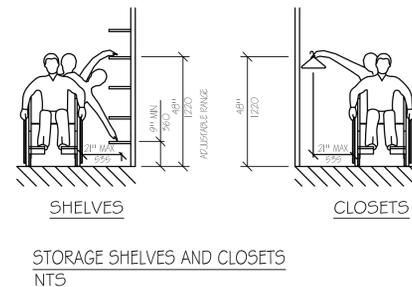
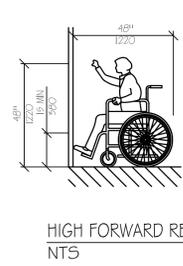
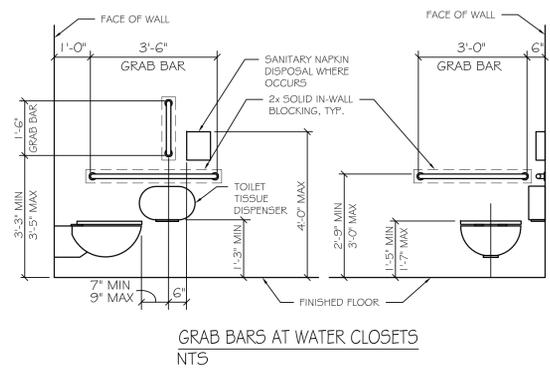
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PROJECT: **RSU 56 BUS GARAGE**  
 DIXFIELD, ME.  
 FOR: \_\_\_\_\_  
 SHEET TITLE: **ADA DETAILS ISSUED FOR BID**

NO.	REVISIONS	DATE

DATE : 2/27/23  
 SCALE : AS NOTED  
 DESIGN BY: ASW  
 DRAWN BY: RSC  
 FILE #:  
 PROJECT NUMBER:  
**22017**  
 SHEET NO:  
**A4**

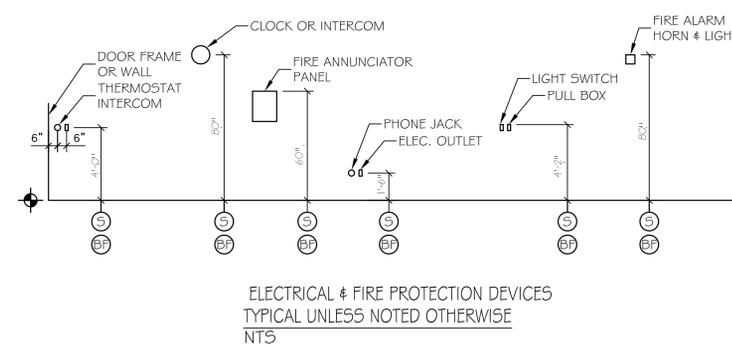


**ACCESSIBILITY ACCESSORY MOUNTING HEIGHTS**

GRAB BARS	33"-36"
TOILET PAPER HOLDER	19" MIN
TOWEL BAR/PAPER TOWEL DISPENSER	48" MAX
BUILT IN PAPER TOWEL DISPENSER	48" MAX
SOAP DISH/DISPENSER AT WALL	48" MAX
SANITARY DISPOSAL UNIT	19" MAX
MIRROR (BOTTOM)	40" MAX
SHelves/STORAGE	48" MAX
ELECTRICAL SWITCHES/OUTLETS	48" MAX
COAT HOOKS/RODS	48" MAX
SIGNAGE (TO BRAILLE COMPONENT)	60" MAX

**ACCESSIBILITY GENERAL NOTES**

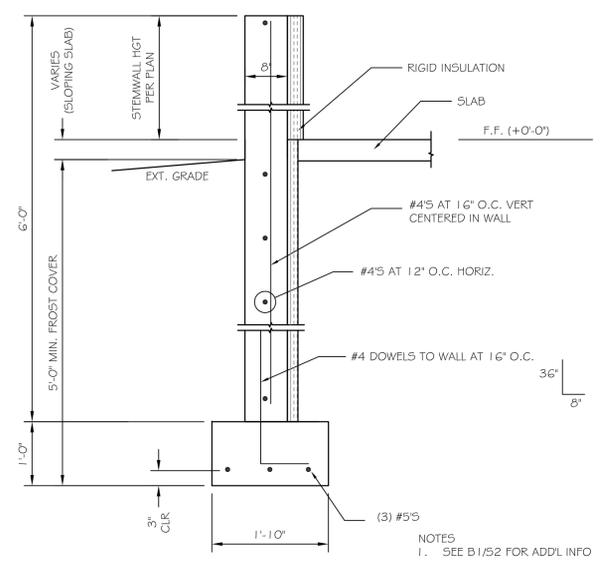
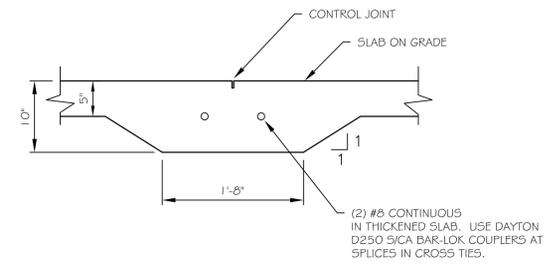
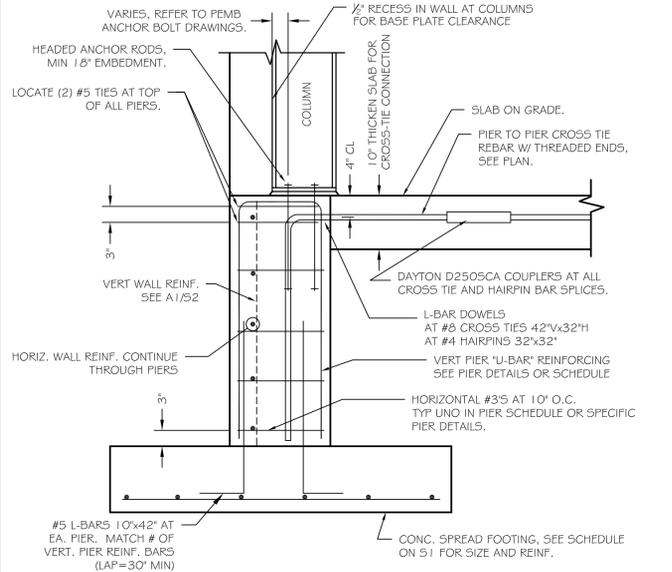
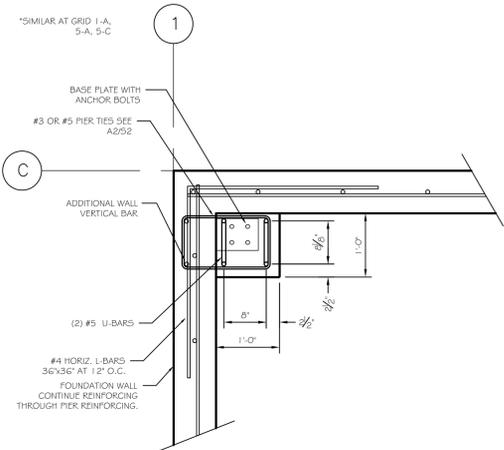
1. DOORWAYS SHALL HAVE A MINIMUM CLEAR WIDTH OF 32" WITH THE DOOR OPEN 90 DEGREES. MEASURED BETWEEN THE FACE OF THE DOOR AND OPPOSITE STOP.
2. ALL DOORS SHALL HAVE LEVER HANDLE HARDWARE, EXCEPT AT SECURED STORAGE ROOMS, MECHANICAL ROOMS, UTILITY ROOMS, AND EXISTING DOORS THAT REQUIRE PANIC HARDWARE. ALL CLOSERS SHALL BE 5LB PULL MAXIMUM AT DOORS EQUIPPED WITH LEVER HANDLE HARDWARE.
3. ALL DOORS WITH CLOSERS SHALL HAVE 18" CLEAR DISTANCE FROM THE LATCHSIDE OF THE OPENINGS TO ANY ADJACENT WALL OR OBSTRUCTION ON THE PULL SIDE OF THE OPENING.
4. ALL DOORS WITH CLOSERS SHALL HAVE 12" CLEAR DISTANCE FROM THE LATCHSIDE OF THE OPENING TO ANY ADJACENT WALL OR OBSTRUCTION ON THE PUSH SIDE OF THE OPENING.
5. ALL SIGNAGE SHALL BE MOUNTED 60" AFF TO BRAILLE COMPONENT AT LATCH SIDE WALL OF DOORS AND OPENINGS. COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, 2010 OR CURRENT EDITION.
6. BATHROOM GRAB BARS TO BE 33"-36" TO TOP OF GRIPPING SURFACE. REF: 609.4 ADA, 2010
7. ADA TOILET FIXTURE TO BE "HIGHCLIFF ULTRA" K-95067 BY KOHLER, OR EQUAL.
8. ADA SINK FIXTURE TO BE "GREENWICH" K-2032-O BY KOHLER, OR EQUAL.



**LEGEND**

- (S) STANDARD MOUNTING HEIGHT
- (BF) BARRIER FREE ADULT MOUNTING HEIGHT
- (F) FINISH FLOOR LINE

**NOTE**  
 MOUNT ALL FIXTURES AT STANDARD MOUNTING HEIGHT UNLESS INDICATED ON PLAN BY A SYMBOL. A (S) SYMBOL AT ANY ROOM SHALL INCLUDE ONE OF ANY FIXTURE AND ACCESSORY WITHIN THE ROOM.

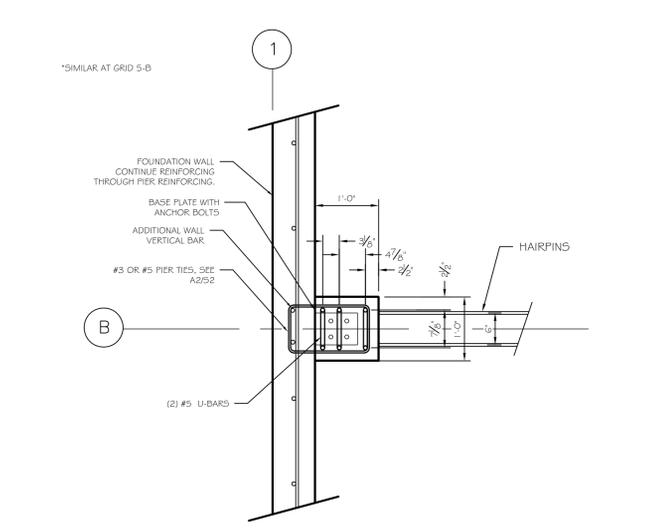


C4 PIER P3  
SCALE: 3/4" = 1'-0"

C3 PIER AND FOOTING  
SCALE: 3/4" = 1'-0"

C2 SLAB AT CROSS TIES  
SCALE: 1" = 1'-0"

C1 FOUNDATION WALL  
SCALE: 3/4" = 1'-0"

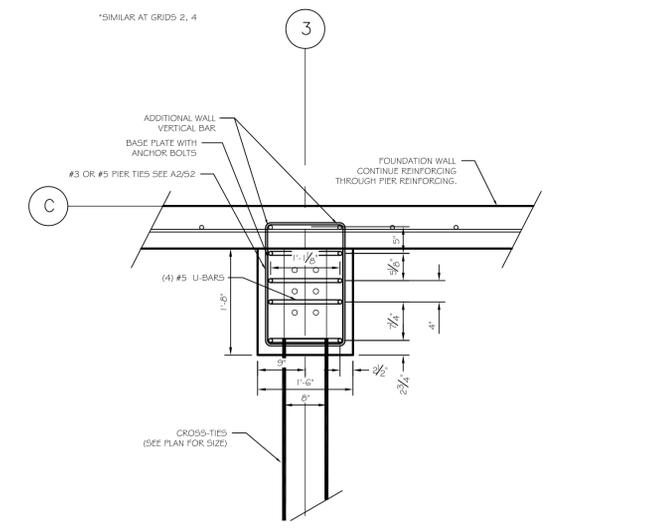


B4 PIER P2  
SCALE: 3/4" = 1'-0"

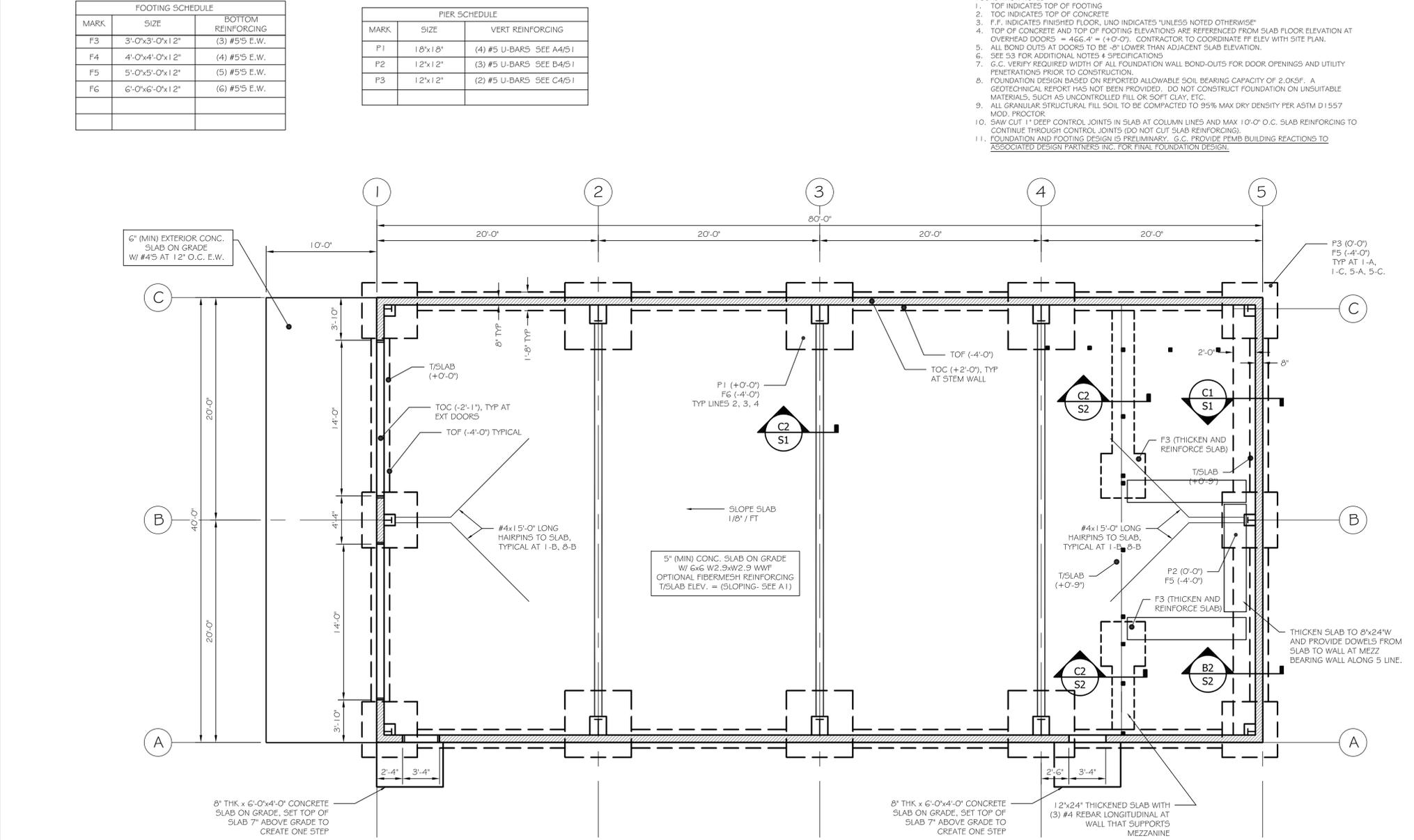
FOOTING SCHEDULE		
MARK	SIZE	BOTTOM REINFORCING
F3	3'-0"x3'-0"x12"	(3) #5'S E.W.
F4	4'-0"x4'-0"x12"	(4) #5'S E.W.
F5	5'-0"x5'-0"x12"	(5) #5'S E.W.
F6	6'-0"x6'-0"x12"	(6) #5'S E.W.

PIER SCHEDULE		
MARK	SIZE	VERT REINFORCING
P1	18"x18"	(4) #5 U-BARS SEE A4/S1
P2	12"x12"	(3) #5 U-BARS SEE B4/S1
P3	12"x12"	(2) #5 U-BARS SEE C4/S1

- FOUNDATION NOTES:
- TOP INDICATES TOP OF FOOTING
  - TOC INDICATES TOP OF CONCRETE
  - F.F. INDICATES FINISHED FLOOR, UNO INDICATES "UNLESS NOTED OTHERWISE"
  - TOP OF CONCRETE AND TOP OF FOOTING ELEVATIONS ARE REFERENCED FROM SLAB FLOOR ELEVATION AT OVERHEAD DOORS = +66.4 = (+0'-0"). CONTRACTOR TO COORDINATE FF ELEV WITH SITE PLAN.
  - ALL BOND OUTS AT DOORS TO BE 8" LOWER THAN ADJACENT SLAB ELEVATION.
  - SEE 53 FOR ADDITIONAL NOTES & SPECIFICATIONS
  - G.C. VERIFY REQUIRED WIDTH OF ALL FOUNDATION WALL BOND-OUTS FOR DOOR OPENINGS AND UTILITY PENETRATIONS PRIOR TO CONSTRUCTION.
  - FOUNDATION DESIGN BASED ON REPORTED ALLOWABLE SOIL BEARING CAPACITY OF 2,0KSF. A GEOTECHNICAL REPORT HAS NOT BEEN PROVIDED. DO NOT CONSTRUCT FOUNDATION ON UNSUITABLE MATERIALS, SUCH AS UNCONTROLLED FILL OR SOFT CLAY, ETC.
  - ALL GRANULAR STRUCTURAL FILL SOIL TO BE COMPACTED TO 95% MAX DRY DENSITY PER ASTM D 1557 MOD. PROCTOR.
  - SAW CUT 1" DEEP CONTROL JOINTS IN SLAB AT COLUMN LINES AND MAX 10'-0" O.C. SLAB REINFORCING TO CONTINUE THROUGH CONTROL JOINTS (DO NOT CUT SLAB REINFORCING).
  - FOUNDATION AND FOOTING DESIGN IS PRELIMINARY. G.C. PROVIDE PEMB BUILDING REACTIONS TO ASSOCIATED DESIGN PARTNERS INC. FOR FINAL FOUNDATION DESIGN.



A4 PIER P1  
SCALE: 3/4" = 1'-0"



A1 FOUNDATION PLAN  
SCALE: 3/16" = 1'-0"



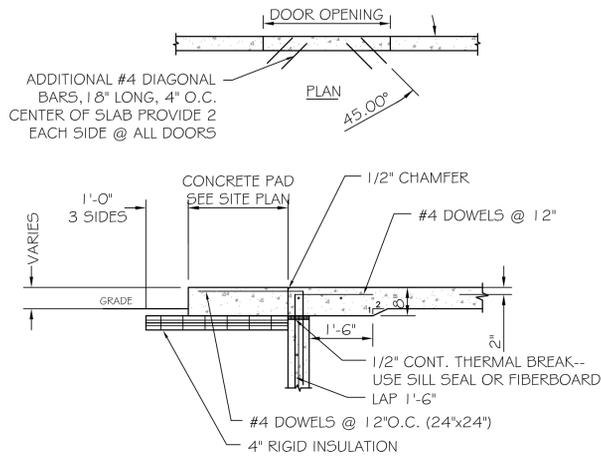
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PROJECT: **RSU 56 BUS GARAGE**  
DIXFIELD, ME.  
FOR: \_\_\_\_\_  
SHEET TITLE: **FOUNDATION PLAN ISSUED FOR BID**

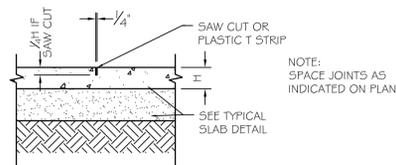
NO.	BY	DATE	DESCRIPTION

DATE: 2/27/23  
SCALE: AS NOTED  
DESIGN BY: ASW  
DRAWN BY: RSC  
FILE #: \_\_\_\_\_  
PROJECT NUMBER: **22017**  
SHEET NO: **S1**



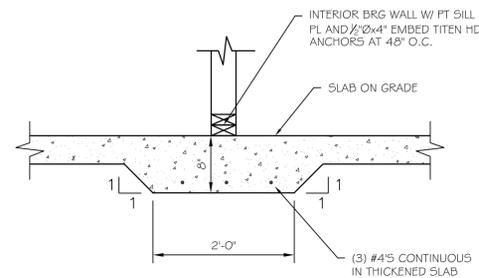
C4 SLAB AT DOORS

SCALE: 3/4" = 1'-0"



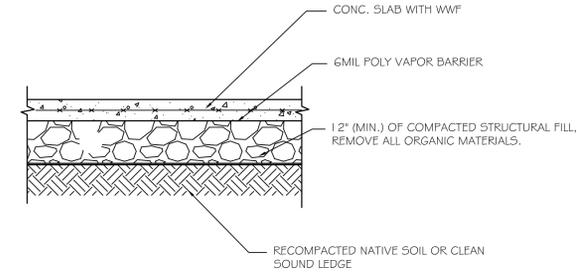
C3 SLAB CONTROL JOINT

SCALE: 1" = 1'-0"



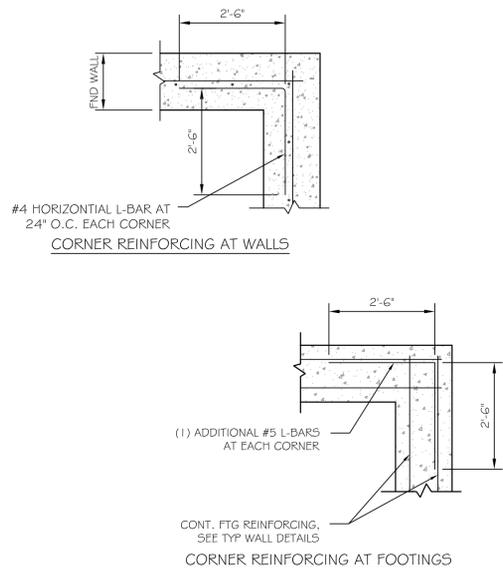
C2 THICKENED SLAB AT INTERIOR BEARING WALLS

SCALE: 1" = 1'-0"



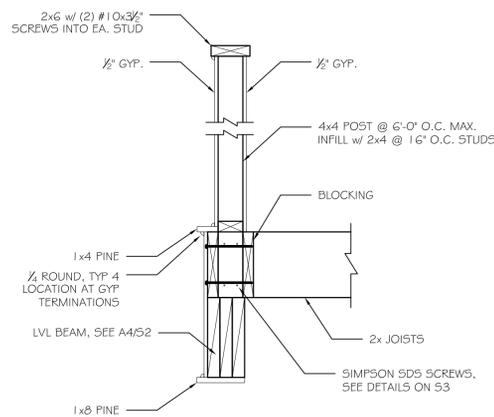
C1 SLAB DETAIL

SCALE: 1" = 1'-0"



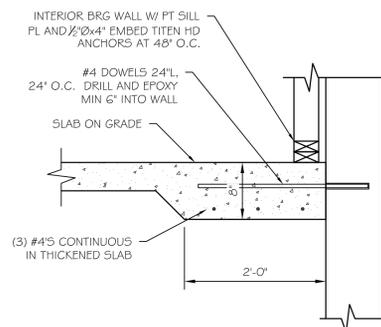
B4 FOUNDATION CORNER REINFORCING DETAILS

SCALE: 3/4" = 1'-0"



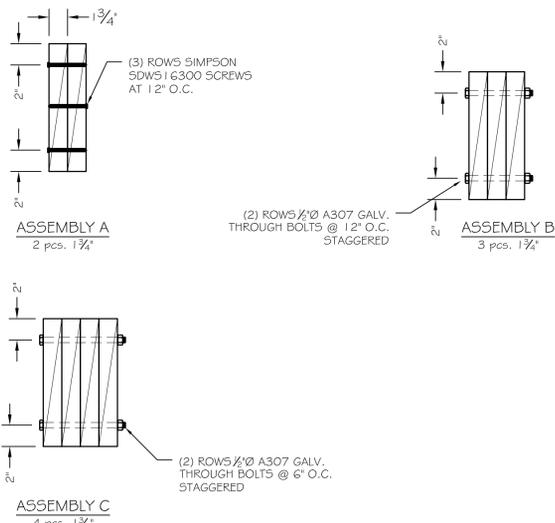
B3 SECTION

SCALE: 1" = 1'-0"



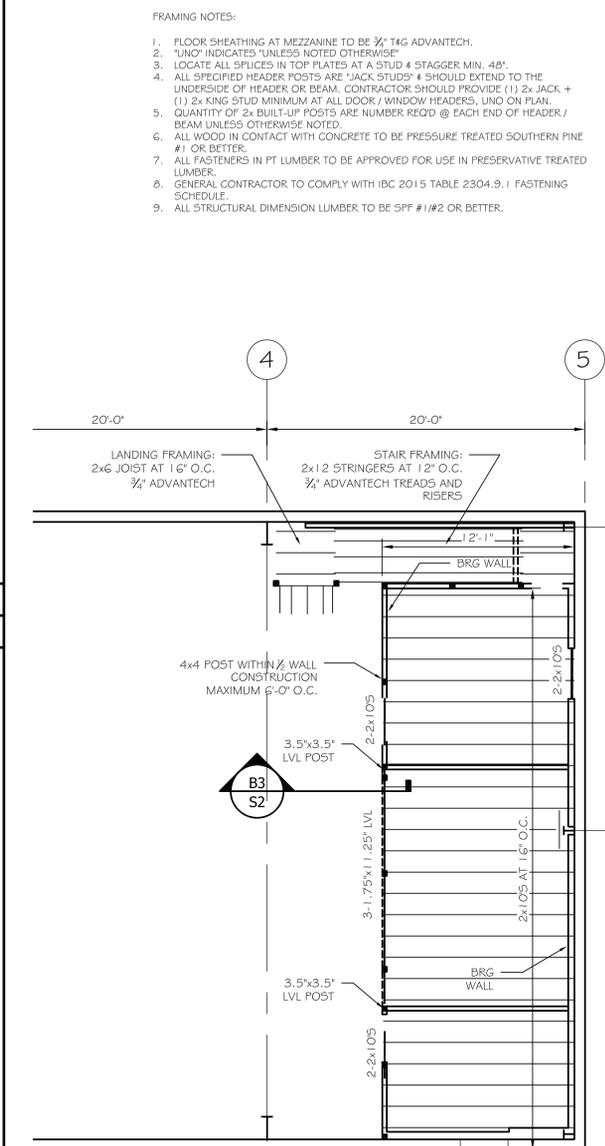
B2 THICKENED SLAB ADJACENT TO FOUNDATION

SCALE: 1" = 1'-0"



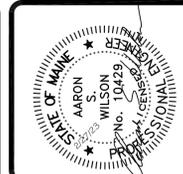
A4 MULTI-PLY BEAMS

SCALE: 1 1/2" = 1'-0"



A1 MEZZANINE FLOOR FRAMING PLAN

SCALE: 3/16" = 1'-0"



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PROJECT: **RSU 56 BUS GARAGE**  
 DIXFIELD, ME.  
 FOR: \_\_\_\_\_  
 SHEET TITLE: **STRUCTURAL DETAILS ISSUED FOR BID**

NO.	BY	DATE	DESCRIPTION

DATE: 2/27/23  
 SCALE: AS NOTED  
 DESIGN BY: ASW  
 DRAWN BY: RSC  
 FILE #:  
 PROJECT NUMBER:  
**22017**  
 SHEET NO:  
**S2**

