



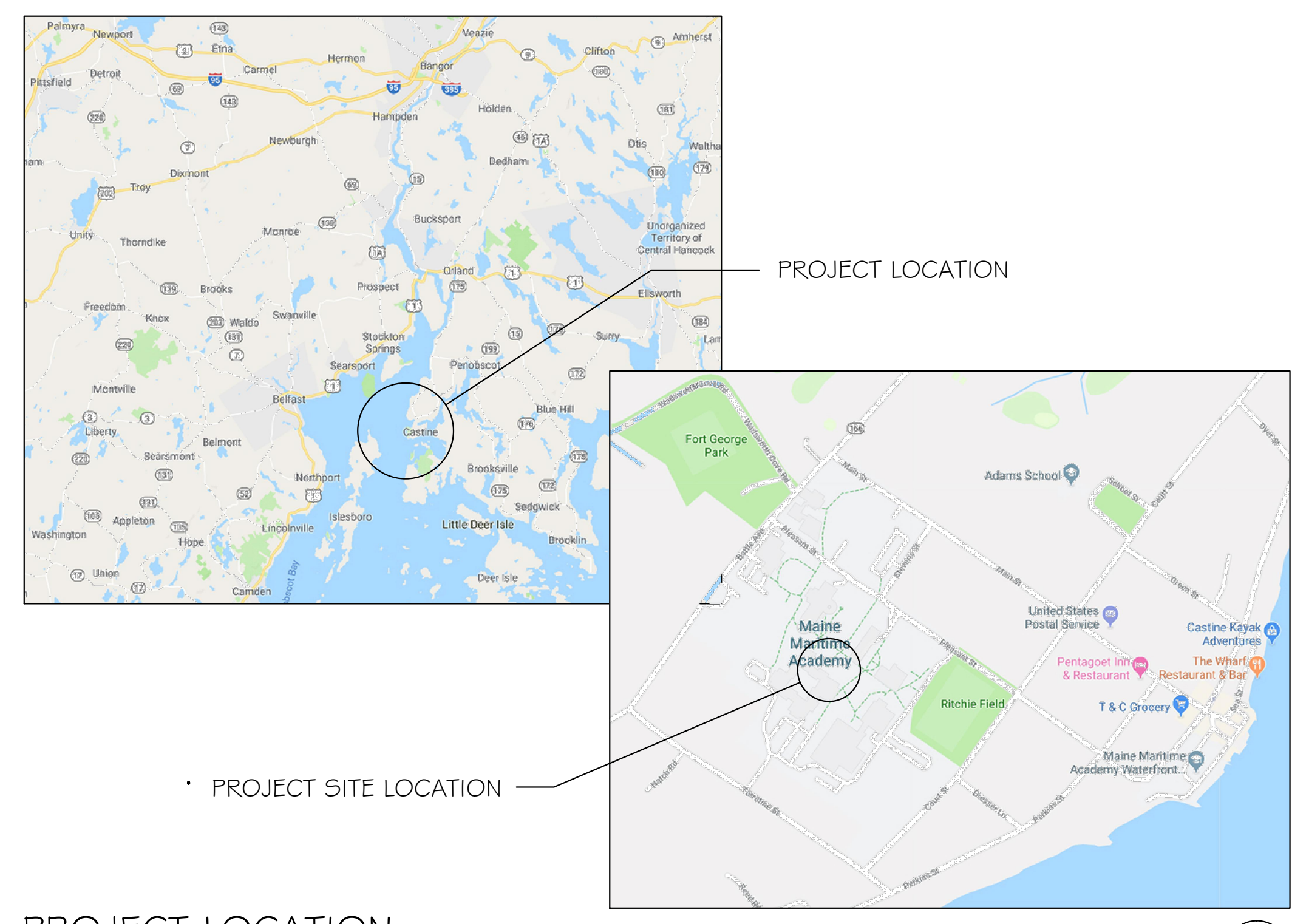
**SITE IMPROVEMENTS PLAN**

SCALE: 1" = 10'

**IMPROVEMENTS NOTES**

1. CONTRACTOR SHALL POSITIVELY VERIFY THE 18" ASH TREE TO BE REMOVED WITH LANDSCAPE ARCHITECT AND OWNER PRIOR TO REMOVAL. TREE AND STUMP SHALL BE REMOVED COMPLETE. ALL OTHER TREES ARE TO REMAIN AND SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. IN THE EVENT THAT A TREE TO REMAIN REQUIRES AN IMPACT DUE TO THE REQUIREMENTS OF THE PROPOSED IMPROVEMENTS THE ROOTS AND/OR BRANCHES AFFECTED SHALL BE CLEANLY CUT PERPENDICULAR TO SAID ROOT OR BRANCH. TREES SHALL NOT BE IMPACTED DUE TO TEARING, SPLITTING BY PULLING OR RIPPING OR OTHER SUCH ACTIONS WHICH SPLINTER THE WOOD.
2. DIMENSIONS INDICATED ON PLAN ARE TAKEN FROM FACE OF BUILDING, CURB OR STRUCTURE UNLESS OTHERWISE INDICATED.
3. RADII SHOWN ARE THE INSIDE RADIUS FOR THE PROPOSED IMPROVEMENT UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL CALCULATE THE APPROPRIATE CORRESPONDING RADII WHERE APPLICABLE.
4. PROJECT LIMITS SHALL MATCH THE EXTENT OF IMPROVEMENTS SHOWN IN DRAWINGS. ADJUSTMENTS TO LIMITS REQUIRED TO INSTALL PROPOSED IMPROVEMENTS SHALL ONLY BE MADE WITH OWNER'S PRIOR AUTHORIZATION
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING STUDENTS AND THE PUBLIC FROM PROJECT RELATED INJURY BY PROTECTING WORK AREAS AND FOLLOWING APPROPRIATE SAFE WORKING PRACTICES THROUGHOUT CONSTRUCTION.

6. THESE PROJECT DOCUMENTS DESCRIBE THE PROJECT DESIGN INTENT AND VARIOUS DESIGN REQUIREMENTS, THEY ARE NOT EXHAUSTIVE NOR DO THEY INCLUDE ALL CODES AND GENERALLY ACCEPTED PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EMPLOYING PRUDENT WORK PRACTICES AND OBTAINING AND COMPLYING WITH ALL REQUIRED JURISDICTIONAL CODES AND PERMIT REQUIREMENTS.
7. THE PROJECT CENTERPIECE IS A 48" "BELLA LUNA" LP FUELED FIRE BOWL WITH ALL WEATHER ELECTRONIC IGNITION AS AVAILABLE FROM FIRE PIT ART, 1746 SPARTA PIKE, LEBANON, TN 37090, PHONE: (615) 707-1912, WEB: WWW.FIREPITART.COM. ASSEMBLE PER MANUFACTURER'S RECOMMENDATIONS.
8. CONTRACTOR SHALL COORDINATE ELECTRICAL CONNECTIONS AND PROTOCOLS WITH OWNER PRIOR TO INSTALLATION OF SAME.
9. ALL AREAS DISTURBED THAT ARE NOT OTHERWISE INDICATED TO RECEIVE IMPROVEMENTS SHALL BE PREPARED AND SEEDDED AS LAWN WITH A TRIPLE FESCUE SEED MIX. ANY EXISTING IMPROVEMENTS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO A CONDITION EQUAL TO OR BETTER THAN PREVIOUSLY EXISTED.
10. CONTRACTOR SHALL IMMEDIATELY BRING ANY DISCREPANCY WITHIN THESE PLANS AND/OR BETWEEN THESE PLANS AND THE WORK AREA TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR A DETERMINATION OF HOW TO PROCEED WITH SAID DISCREPANCY.



**PROJECT LOCATION**

N.T.S.

**IMPROVEMENTS PLAN KEY**

- (A) 18" ASH TREE, REMOVE COMPLETE. REFER TO NOTE #1, THIS DRAWING
- (B) BELLA LUNA IRON FIRE PIT, REFER TO NOTE #7, THIS DRAWING
- (C) CONCRETE FIRE PIT BASE
- (D) SAFETY SHUTOFF SWITCH & TRANSFORMER ON STEEL POST
- (E) UNDERGROUND UTILITY, REFER TO NOTE #6, THIS DRAWING
- (F) LIQUID PROPANE SOURCE
- (G) MONOLITHIC BLOCK GRANITE SEATING
- (H) STONE DUST PATHWAY: 3" COMPACTED STONE DUST OVER 6" COMPACTED 2" MINUS GRAVEL
- (J) NAUTILUS PLAZA; TWO-TONE CONCRETE PAVER AREA
- (K) DRY STACK GRANITE STONE WALL
- (L) "LEVEL" STANDING AREA, 3.5' NOM. WIDTH, MATCH GRANITE SEATING RADIAL LENGTH, TYP.
- (M) EROSION CONTROL SILT FENCE; REFER TO DRAWING L2.1 FOR REQ'S.
- (N) DRAINAGE SWALE, REFER TO DRAWING L2.1.
- (P) EXISTING TREE TO REMAIN, REFER TO NOTE #1, THIS DRAWING
- (Q) LAWN AREA, REFER TO NOTE #9, THIS DRAWING
- (R) ELECTRIC SERVICE CONNECTION

**MAINE MARITIME ACADEMY**  
**OUTDOOR FIRE PIT**  
BREM PROJECT #PT2758

CASTINE, MAINE  
PLEASANT STREET

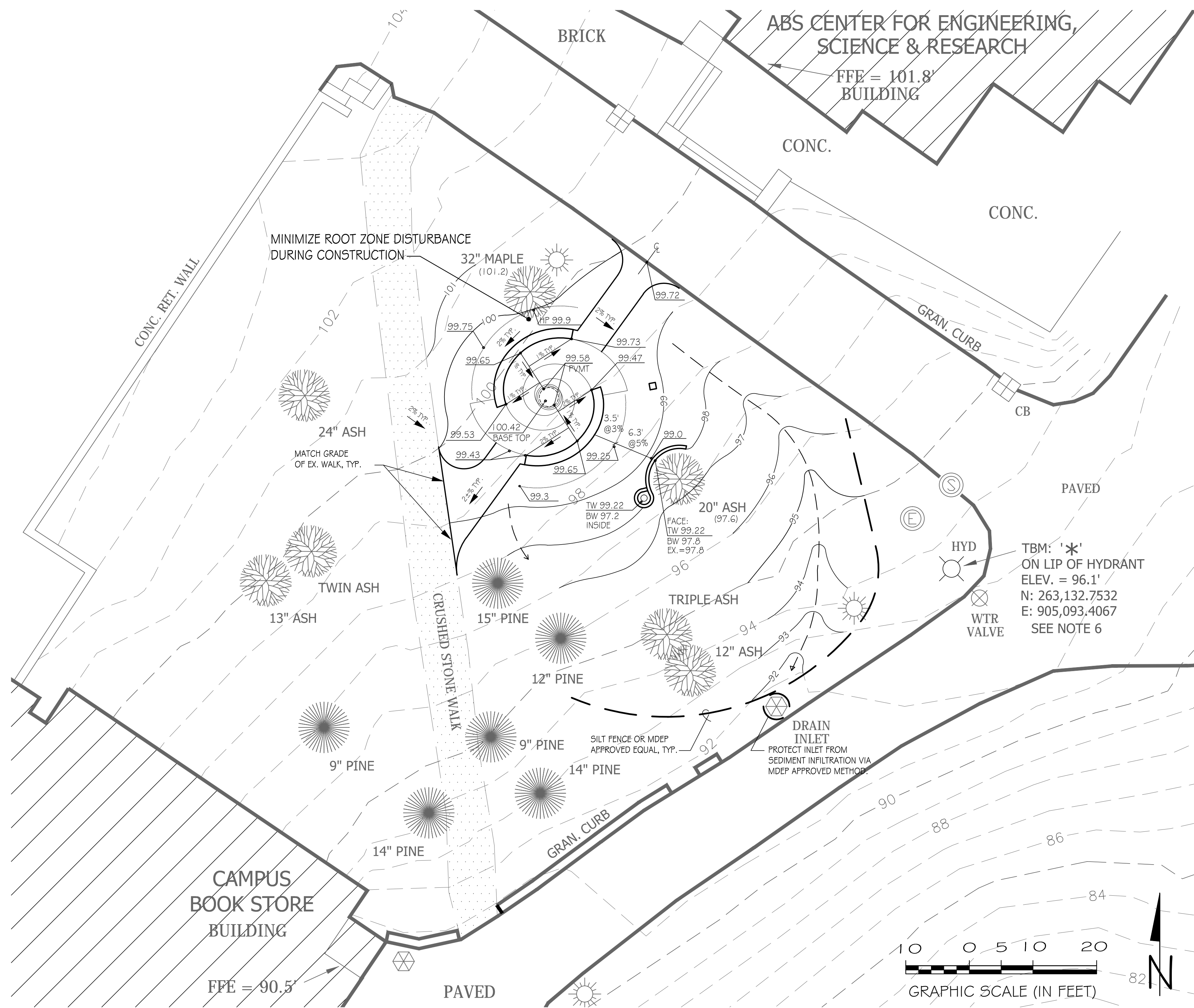
LANDSCAPE ARCHITECT  
**STEVEN W. RIBBLE**  
3033  
STATE OF MAINE  
LICENSED  
10/15/18

SITE IMPROVEMENTS PLAN	REV. DATE DESCRIPTION

**context by design**  
LANDSCAPE ARCHITECTURE/PLANNING  
17 JAMES STREET / BANGOR, ME 04401  
207.299.0901 / contextbydesign.com

DRAWING: **L1.1**  
OCT. 15, 2018



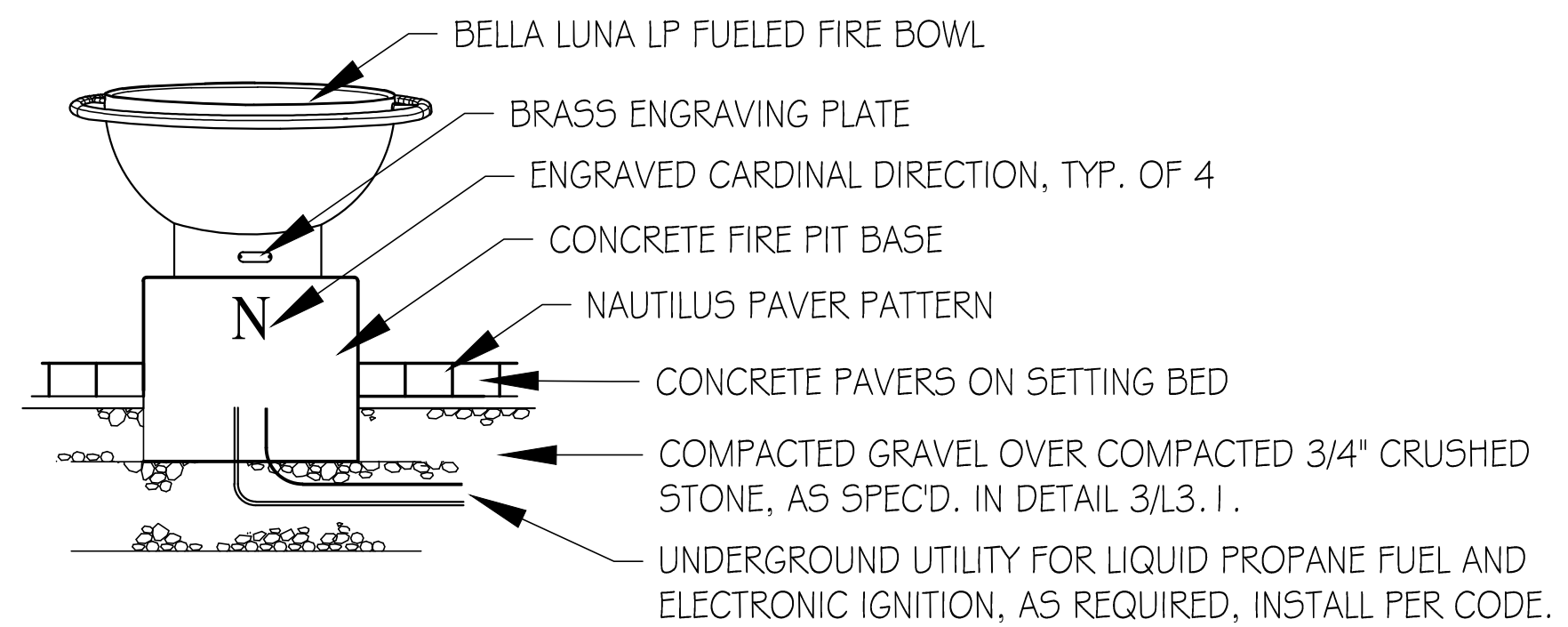


**SITE GRADING & DRAINAGE PLAN**  
SCALE: 1"=10'

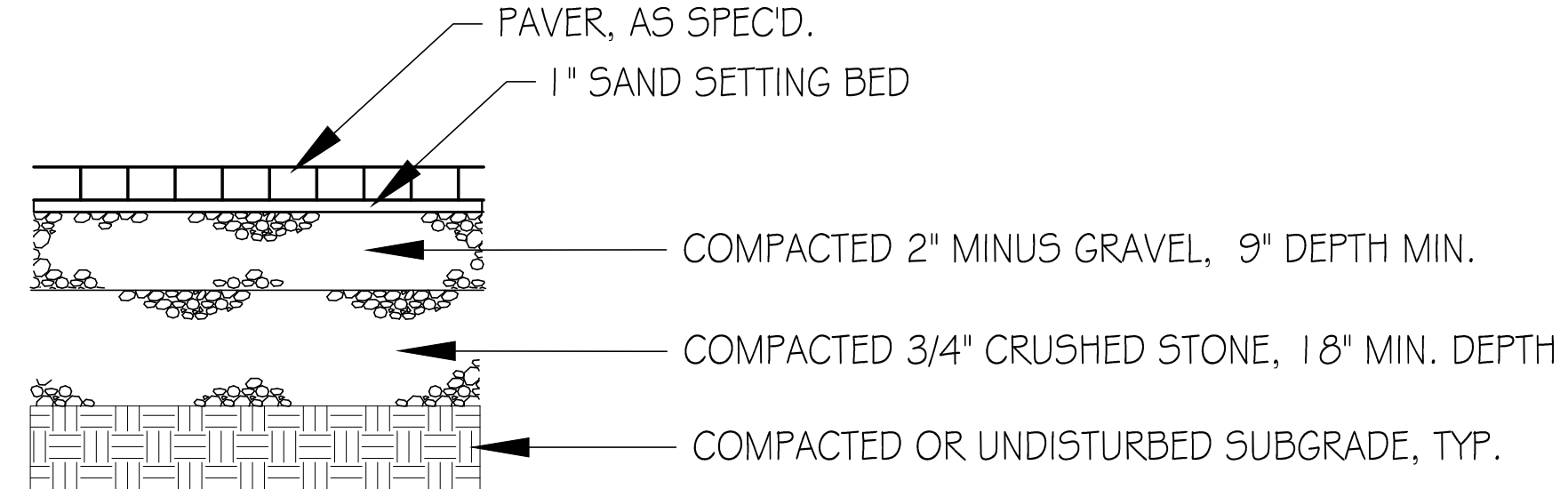
**GRADING NOTES**

1. GRADING LIMITS SHALL MATCH PROJECT LIMITS. LIMITS SHOWN ARE APPROXIMATE, ADJUSTMENTS TO LIMITS REQUIRED TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE MADE ONLY WITH OWNER'S PRIOR AUTHORIZATION.
2. CONTRACTOR SHALL COMPLY WITH MMA, LOCAL PERMITTING, AND ALL REQUIREMENTS FOR ALL WORK CONDUCTED WITHIN THE PROJECT.
3. CONTRACTOR SHALL MAINTAIN ACCESS ON ADJACENT PAVED WAYS, BUILDINGS, AND TO ADJACENT PROPERTY THROUGHOUT CONSTRUCTION UNLESS OTHERWISE INSTRUCTED BY OWNER.
4. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE FROM PROPOSED IMPROVEMENTS AS INDICATED, TO SWALE AND ALONG SWALE CENTERLINE, AND TO STORM DRAIN INLET(S) TYP.
3. CONTRACTOR SHALL PROVIDE FOR SOIL AND SEDIMENT STABILIZATION OF SWALE AND DISTURBED AREAS THROUGHOUT CONSTRUCTION AND/OR UNTIL PERMANENT STABILIZATION IS ESTABLISHED.
4. REFER TO GRADING PLAN FOR ELEVATION, SLOPE, AND DRAINAGE CONCEPT REQUIREMENTS.

5. SILT FENCE INSTALLATION AND MAINTENANCE SHALL COMPLY WITH MDEP EROSION AND SEDIMENT CONTROL REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE TO INSPECT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MATERIALS PER MDEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
6. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES WITHIN THE AREA OF WORK PRIOR TO COMMENCING WORK BY CONTACTING DIG SAFE AND/OR OTHER NECESSARY MEANS.



**FIRE BOWL ORIENTATION DETAIL**  
N.T.S. 2  
L2.1



- NOTES:**
1. CONCRETE PAVERS SHALL BE GRAND BAXTER STONE AS MANUFACTURED BY GENEST CONCRETE WORKS, SANFORD, MAINE. SIZE: FULL RANGE, COLOR: EARTH BLEND AND GRANITE BLEND.
  2. BEDDING SAND SHALL BE WASHED, CLEAN, FREE OF FOREIGN MATTER, SYMMETRICAL, NATURAL SAND WITH 100% PASSING 3/8" SIEVE, 85% PASSING #8 SIEVE, AND 50% PASSING #16 SIEVE. DO NOT USE MASONS SAND OR PRODUCTS DERIVED FROM LIMESTONE AS BEDDING MATERIAL.
  3. JOINT SAND SHALL BE WASHED, CLEAN, FREE OF FOREIGN MATTER, SYMMETRICAL, NATURAL SAND WITH 100% PASSING #4 SIEVE, 70% PASSING #16 SIEVE, AND 40% PASSING #30 SIEVE. DO NOT USE MASONS SAND OR PRODUCTS DERIVED FROM LIMESTONE AS JOINT MATERIAL.
  4. BEDDING SAND SHALL BE 1" DEPTH, NOMINAL NOT TO EXCEED A DEPTH OF 1-1/2".
  5. INSTALL PAVERS IN RANDOM ASHLAR PATTERN WHERE JOINTS RUN NORTH-SOUTH AND EAST-WEST, TRUE. PROVIDE CONSISTENT JOINTS PER MANUFACTURER'S RECOMMENDATION. SAW CUT PAVERS AS NEEDED TO INSTALL AGAINST GRANITE ELEMENTS AND/OR COMPLY WITH THE NAUTILUS PATTERN REQUIREMENTS.
  6. FILL AND SWEEP JOINTS WITH JOINT SAND AND COMPACT WITH PLATE COMPACTOR REPEATING UNTIL JOINTS ARE FULL. REPLACE BROKEN PAVERS RESULTING FROM COMPACTING.
  7. FINISHED PAVER SURFACE SHALL NOT DEVIATE MORE THAN 3/8" FROM SPECIFIED GRADES/SLOPES IN ANY DIRECTION UNDER A 10' STRAIGHTEDGE.
  8. PROTECT FINISHED WORK FROM INCIDENTAL DAMAGE THROUGHOUT CONSTRUCTION.
  9. PROVIDE OWNER WITH A MINIMUM OF 10 PAVERS OF EACH SIZE AND COLOR UPON COMPLETION OF THE PROJECT.

**PAVER INSTALLATION DETAIL**  
N.T.S. 3  
L2.1

MAINE MARITIME ACADEMY
CASTINE, MAINE

OUTDOOR FIRE PIT
BREM PROJECT #PT2758

PLEASANT STREET
12/15/18

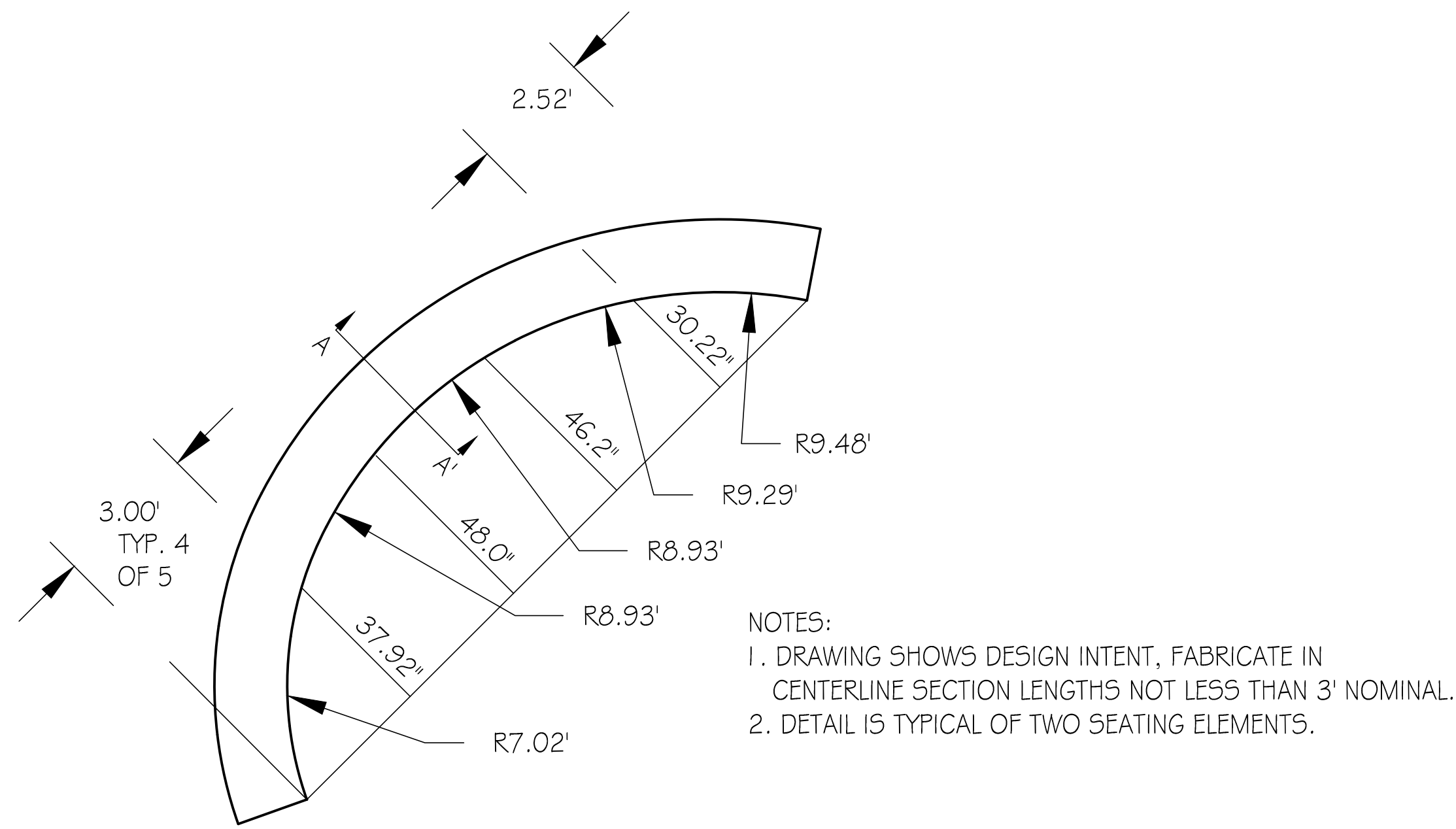
SITE GRADING & DRAINAGE PLAN

REV.	DATE	DESCRIPTION

**context by design**  
 LANDSCAPE ARCHITECTURE/PLANNING  
 17 JAMES STREET / BANGOR, ME 04401  
 207.299.0901 / contextbydesign.com

DRAWING: **L2.1**  
 OCT. 15, 2018

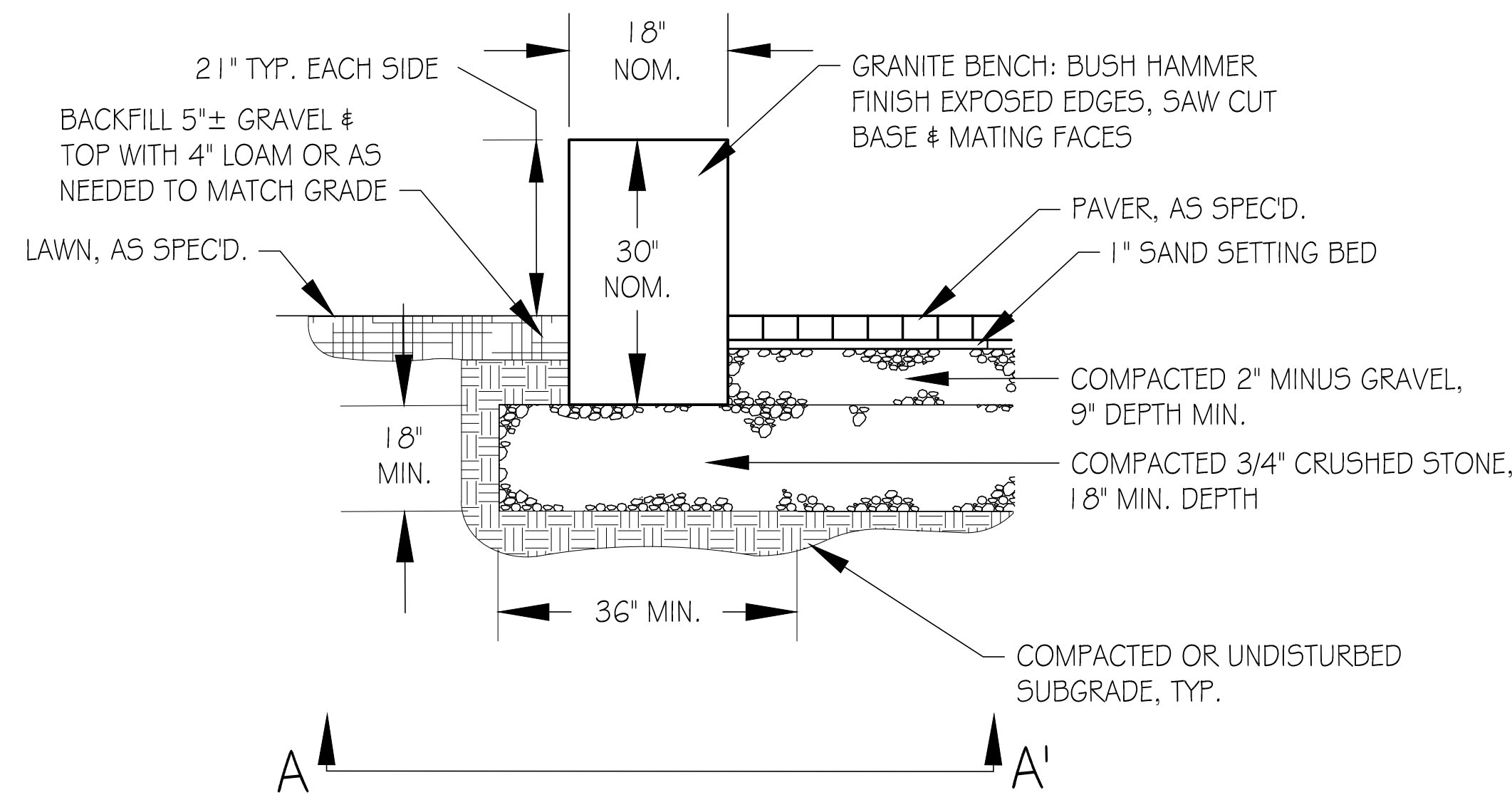




NOTES:  
 1. DRAWING SHOWS DESIGN INTENT, FABRICATE IN CENTERLINE SECTION LENGTHS NOT LESS THAN 3' NOMINAL.  
 2. DETAIL IS TYPICAL OF TWO SEATING ELEMENTS.

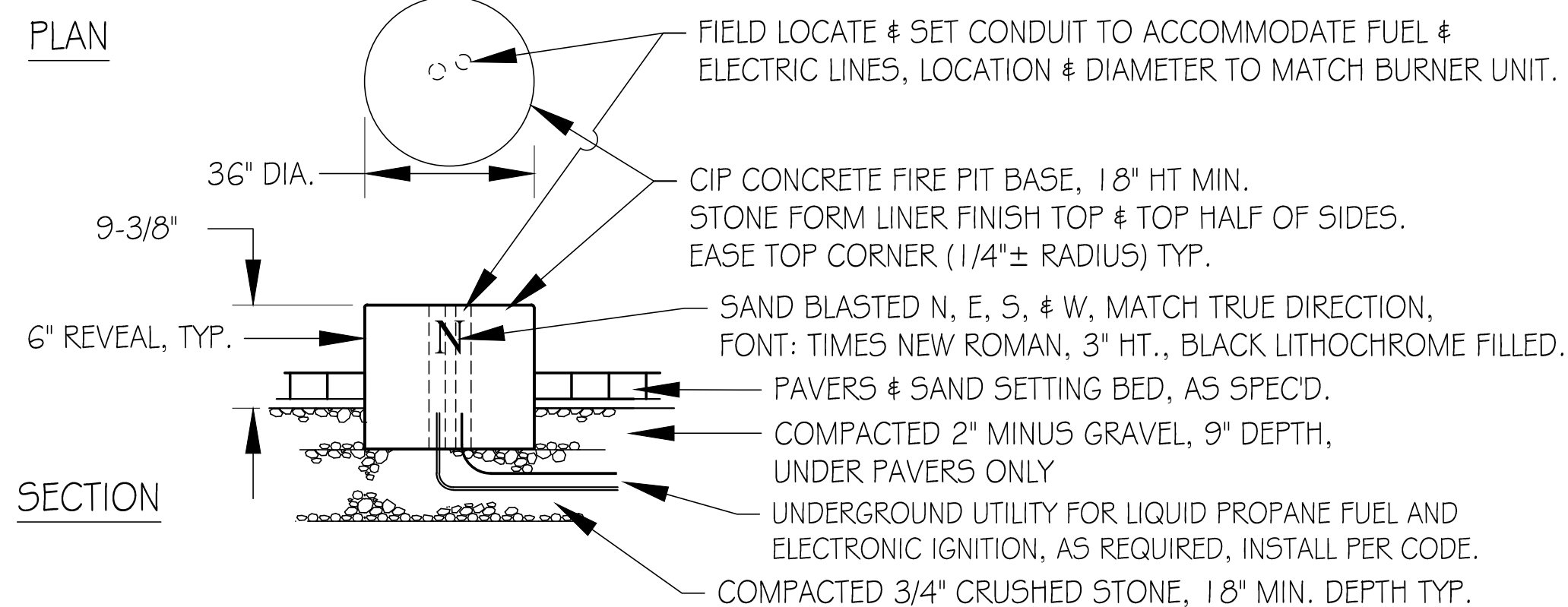
GRANITE SEATING, TYPICAL - PLAN VIEW  
 N.T.S.

1  
 L3.1



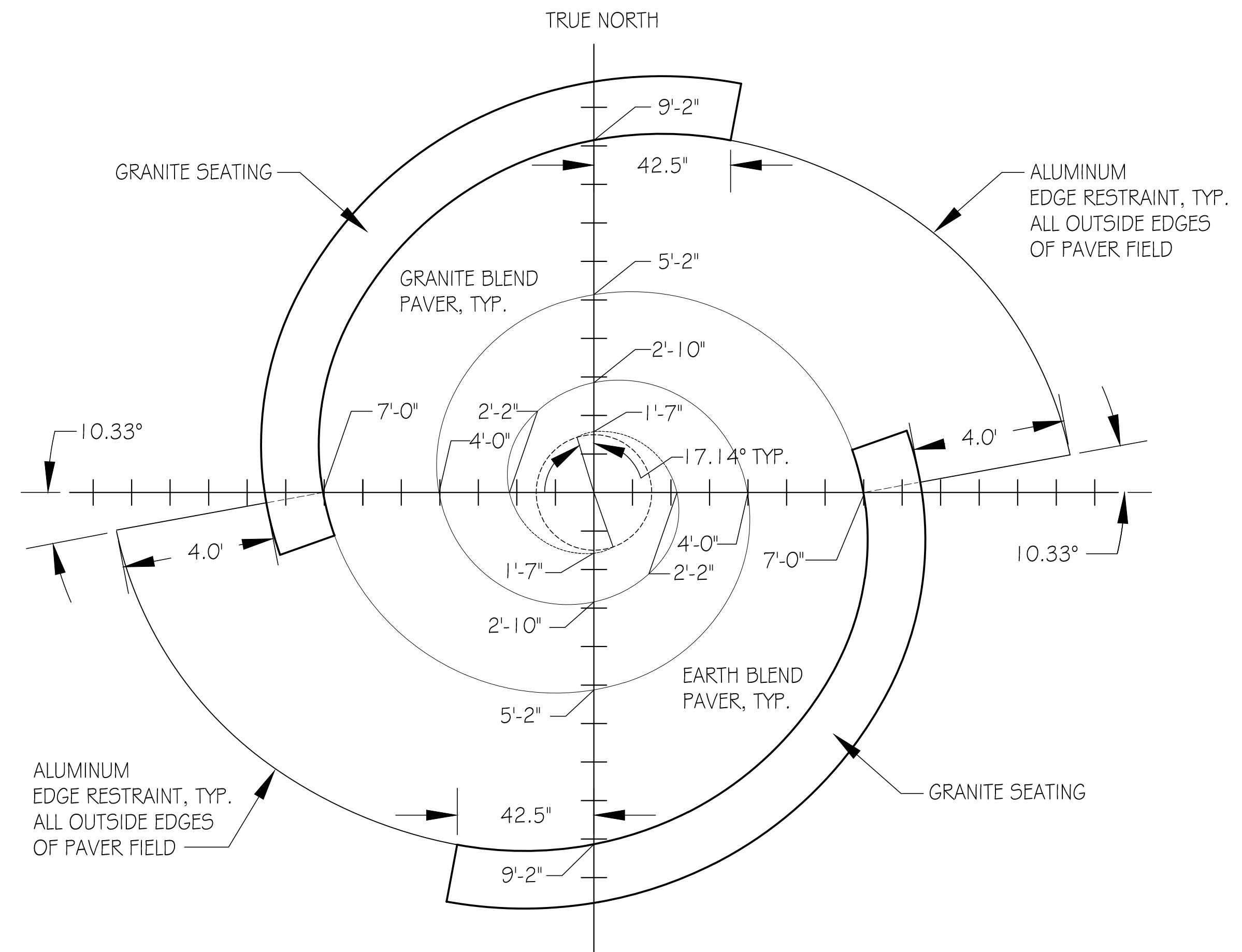
GRANITE SEATING, TYPICAL - SECTION  
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2  
 L3.1



GRANITE FIRE PIT BASE - PLAN & SECTION VIEW  
 N.T.S.

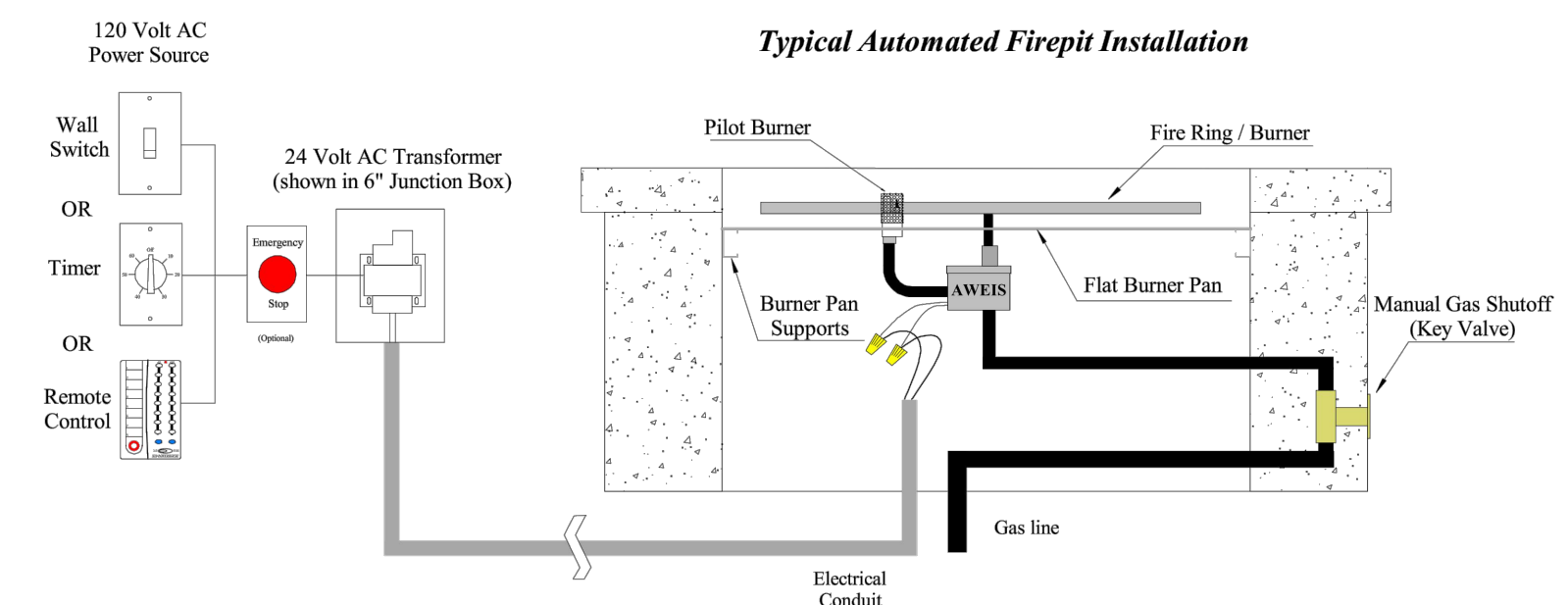
3  
 L3.1



NOTES:  
 1. DIMENSIONS SHOWN ARE REFERENCED FROM CENTER OF FIRE PIT AND ARE NOMINAL. NOTE THAT THE REFERENCE LINES ARE NORTH-SOUTH AND EAST-WEST, CONTRACTOR SHALL VERIFY TRUE DIRECTIONS PRIOR TO LAYOUT. LAYOUT SHALL BE APPROVED BY LANDSCAPE ARCHITECT AND/OR OWNER PRIOR TO COMMENCING INSTALLATION.  
 2. CONTRACTOR SHALL NOTE THAT NAUTILUS SHAPE IS FIBONACCI SEQUENCE OF EVER INCREASING PROPORTIONS, NOT A TYPICAL CONSISTENT SPIRAL. FURTHER, THE SHAPE IS TWO SEPARATE NAUTILUS' WITH THE SWIRL OF EACH BEING A DIFFERENT PAVER COLOR.  
 3. THE TWO NAUTILUS SWIRLS SHALL EACH CONSIST OF EITHER GENEST GRAND BAXTER EARTH BLEND OR GRANITE BLEND UTILIZING THE FULL ASSORTMENT OF AVAILABLE PAVER SIZES. PROVIDE PAVER SAMPLES FOR OWNER APPROVAL PRIOR TO INSTALLATION, OWNER RESERVES THE RIGHT TO CHANGE COLOR SELECTION. PAVERS SHALL BE CUT AS NECESSARY TO RESULT IN A SMOOTH REPRESENTATION OF THE NAUTILUS SHAPE SHOWN HEREIN.  
 4. PAVER EDGES NOT RESTRAINED BY GRANITE ELEMENTS SHALL UTILIZE A LOW PROFILE ALUMINUM EDGE RESTRAINT SUCH AS SURE-LOC PRODUCT A18188M - LOW PROFILE COMMERCIAL PAVER RESTRAINT OR APPROVED EQUAL.  
 5. REFER TO DETAIL 2/L2.1 FOR PAVER INSTALLATION REQUIREMENTS.

CONCRETE PAVER LAYOUT PLAN  
 N.T.S.

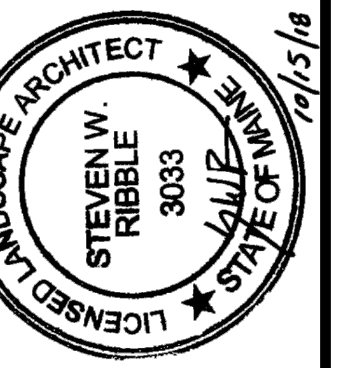
4  
 L3.1



NOTE:  
 1. CONTRACTOR SHALL PROVIDE AND DELIVER A COMPLETE OPERABLE SYSTEM. THE BELLA LUNA FIRE BOWL COMES WITH VARIOUS COMPONENTS SUCH AS THE ALL WEATHER ELECTRONIC IGNITION SYSTEM, BURNER AND MANUAL GAS SHUTOFF VALVE. THE ACTIVATION SOURCE WILL BE REMOTE CONTROL. CONTRACTOR SHALL PROVIDE 3 REMOTE CONTROL DEVICES.  
 2. INSTALL PER MANUFACTURER'S RECOMMENDATION RELATIVE TO THE PROPOSED PROJECT SETTING.

SCHEMATIC AUTOMATED FIRE PIT INSTALLATION  
 N.T.S.

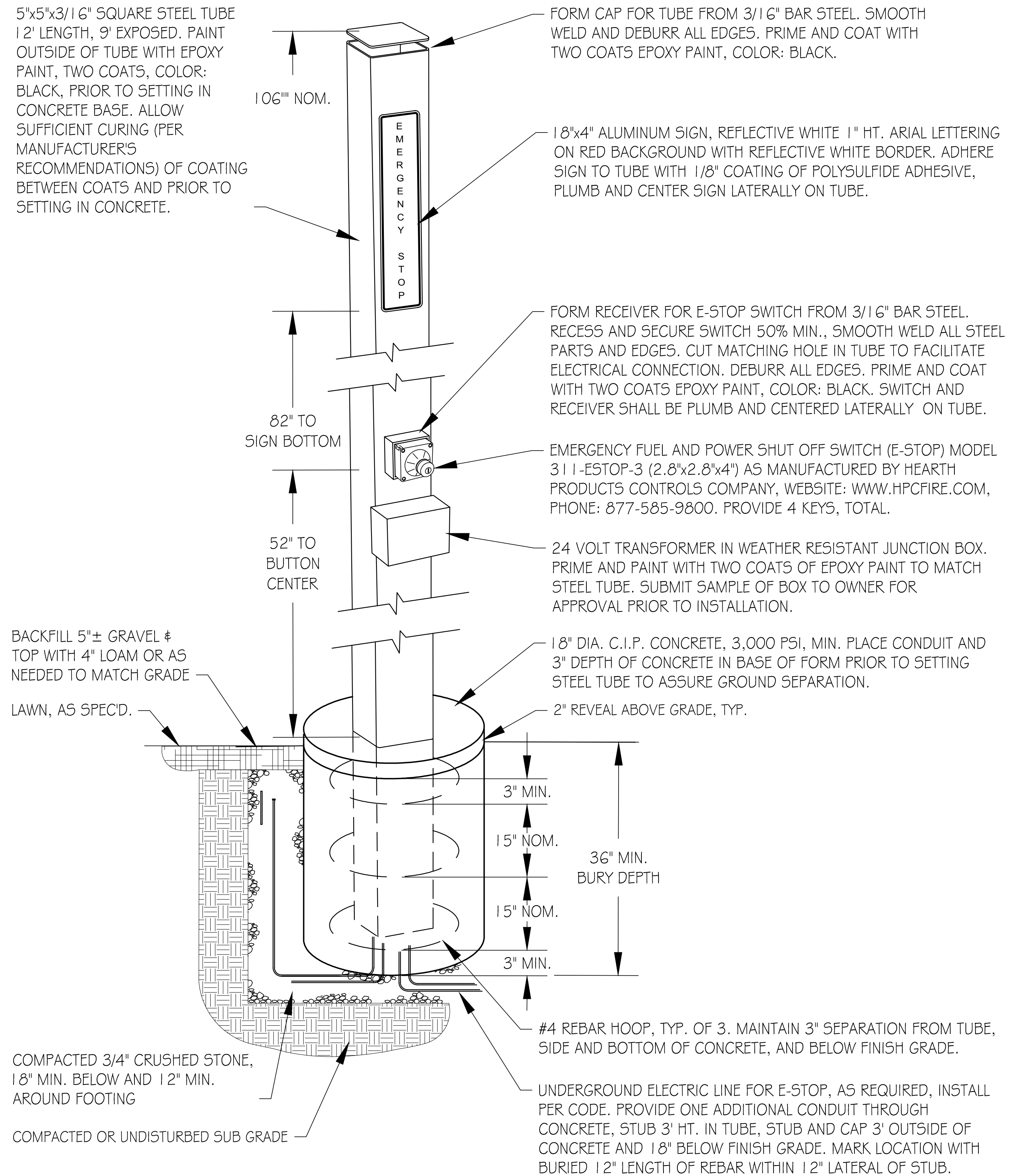
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 L3.1



SITE DETAILS - 1

REV.	DATE	DESCRIPTION

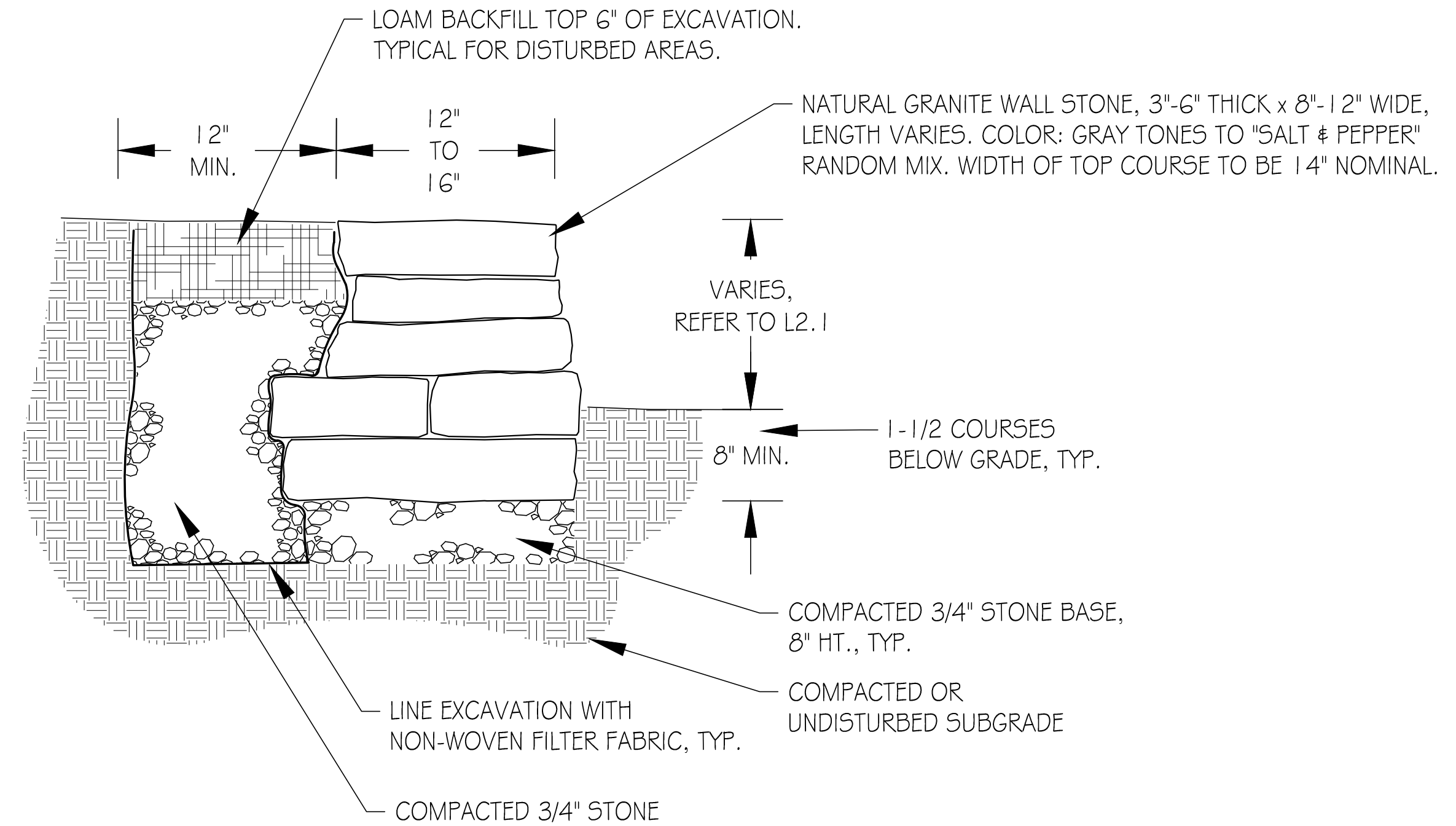




NOTE:  
 1. TUBE TO BE ANGLED APPROXIMATELY 45° TO ROADWAY WITH SWITCH ORIENTED TOWARD FIRE BOWL. VERIFY LOCATION AND ORIENTATION WITH LANDSCAPE ARCHITECT OR OWNER PRIOR TO INSTALLATION.

PROPANE EMERGENCY CUTOFF SWITCH & TRANSFORMER  
 N.T.S.

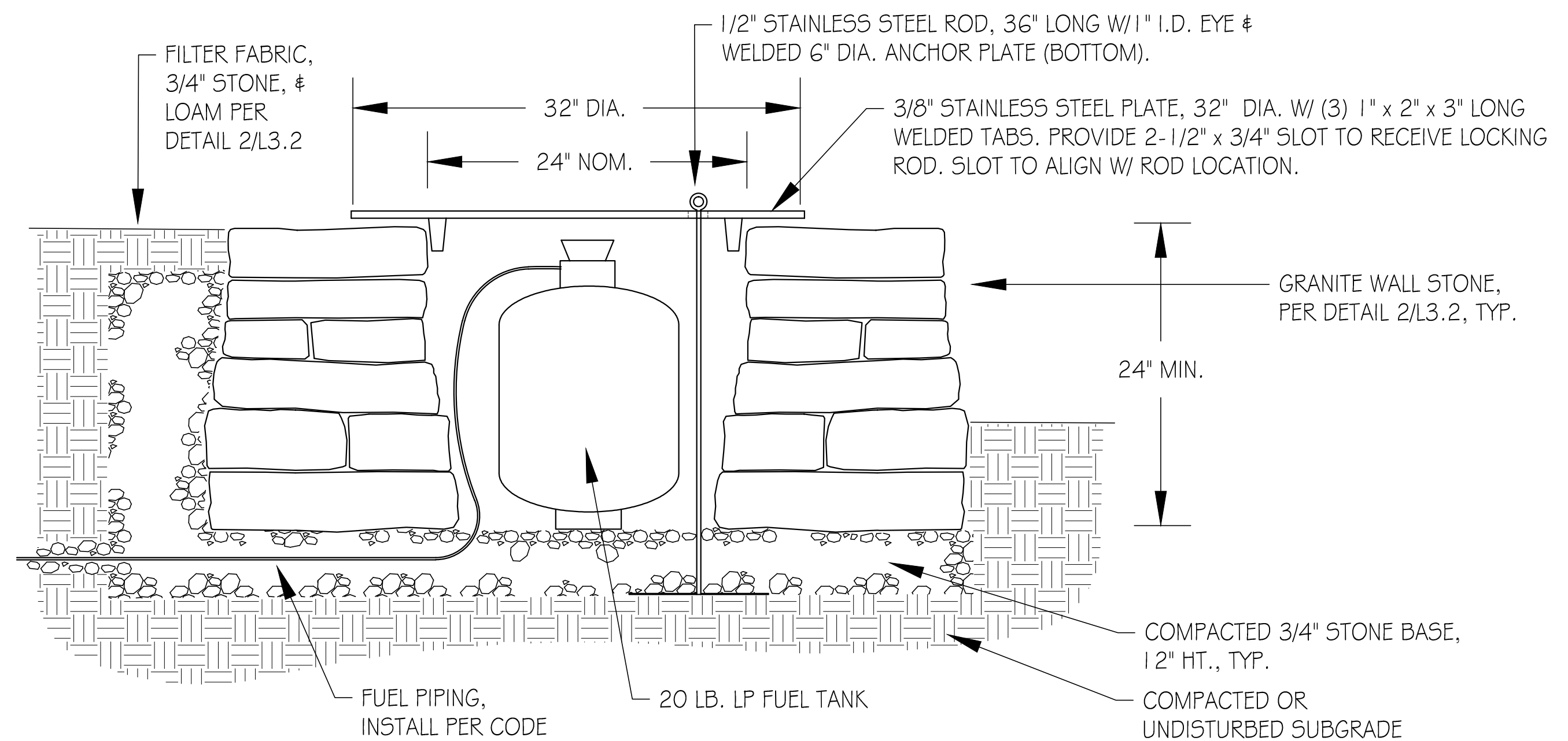
1  
 L3.2



NOTE:  
 1. WALL LAYOUT IS PARTIALLY DEPENDENT UPON SIZE AND SHAPE OF STONE. DESIGN INTENT IS SHOWN IN PLAN LAYOUT, VERIFY LOCATION AND ORIENTATION WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.  
 2. REFER TO GRADING PLAN 1/L3.2 FOR TOP & BOTTOM WALL ELEVATIONS.  
 3. TREE ROOTS ENCOUNTERED DURING EXCAVATION SHALL BE CLEANLY CUT AT THE EDGE OF THE EXCAVATION. CUTS SHALL BE PERPENDICULAR TO THE ROOT AND NOT TORN, HACKED, OR PULLED. ROOTS TO REMAIN SHALL NOT BE OTHERWISE DISTURBED.

DRY STACK GRANITE STONE WALL- TYPICAL SECTION  
 N.T.S.

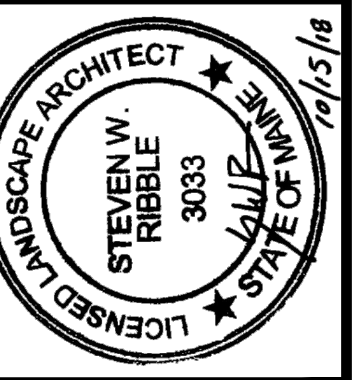
2  
 L3.2



NOTE:  
 1. REFER TO DETAIL 2/L3.2 FOR TREE ROOT PROTECTION REQUIREMENTS.  
 2. REFER TO GRADING PLAN 1/L2.1 FOR TOP & BOTTOM WALL ELEVATIONS.  
 3. CONTRACTOR SHALL PROVIDE (2) EACH 20 LB. LP TANK AND MASTER LOCK PRESURIZED VALVE LOCK OUT MODEL # 53910

LIQUID PROPANE SOURCE - TYPICAL SECTION  
 N.T.S.

3  
 L3.2



SITE DETAILS - 2

REV.	DATE	DESCRIPTION