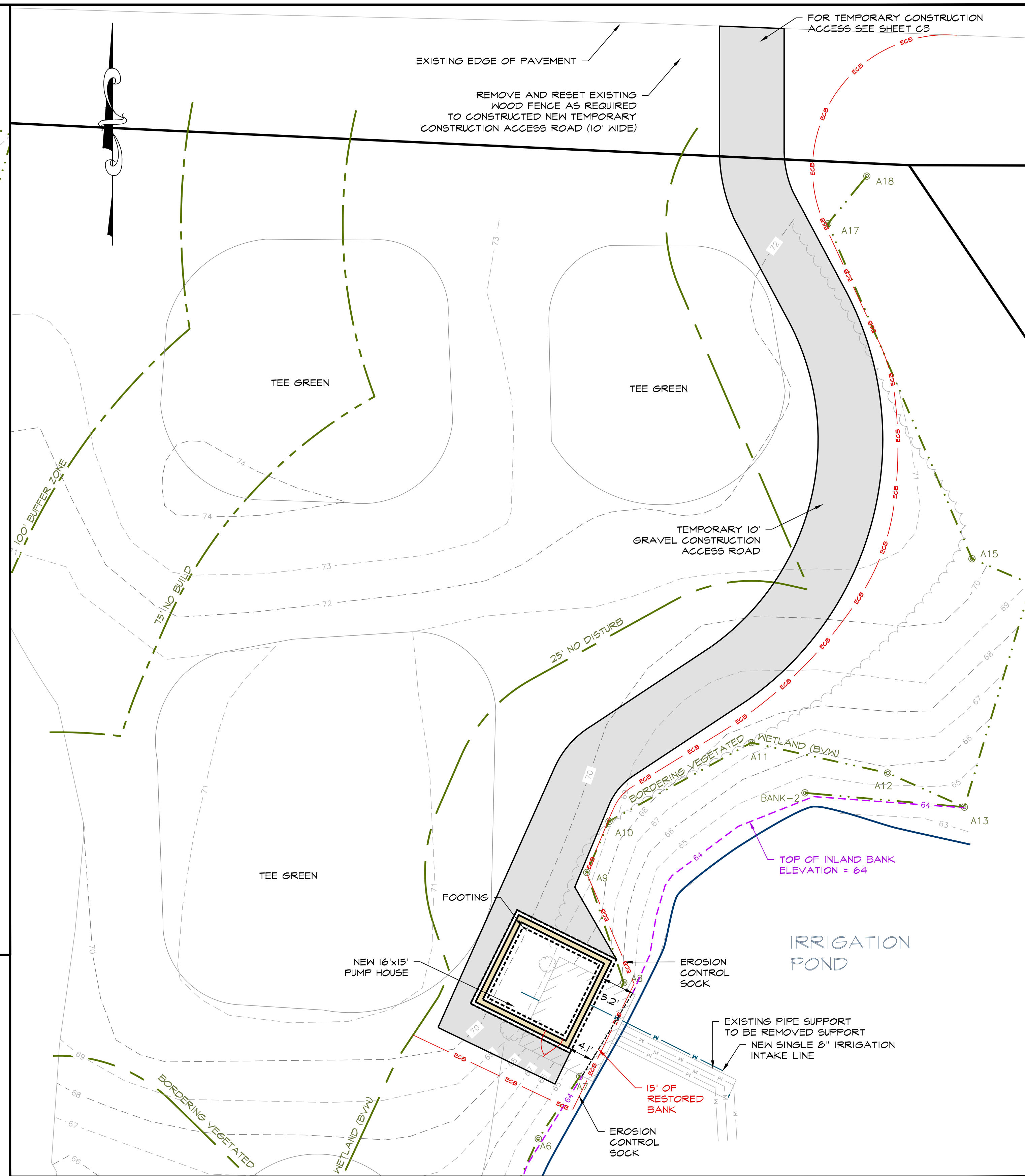
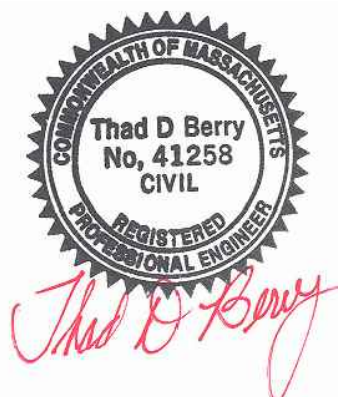


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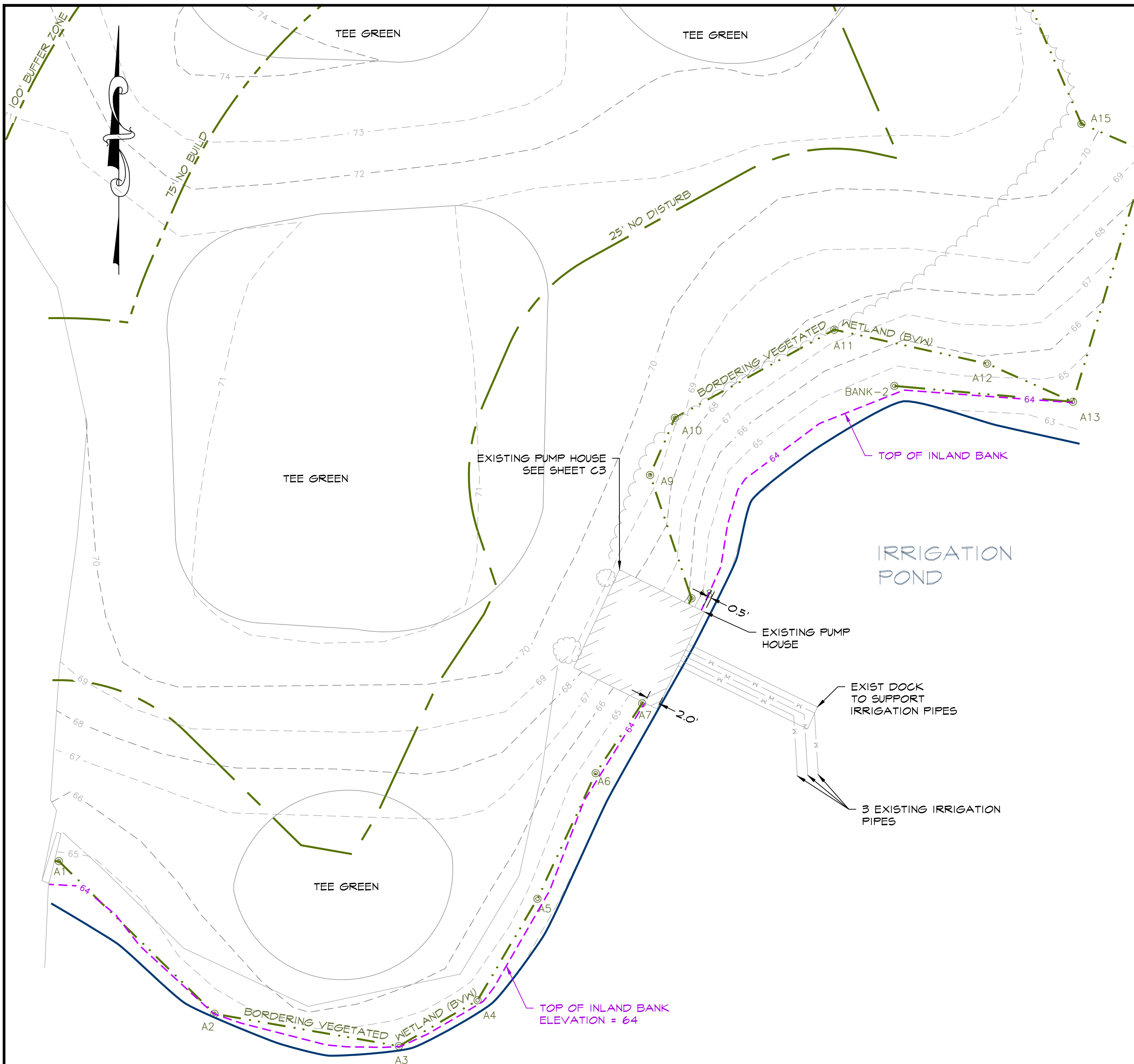
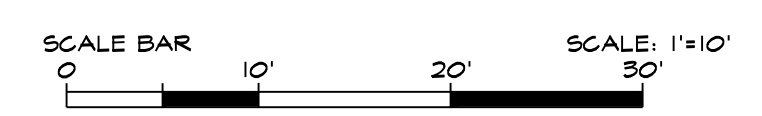
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PROPOSED SITE PLAN
SCALE: 1"=10'

PROPOSED WETLAND/BUFFER ZONE IMPACTS			
RESOURCE AREA	PREVIOUSLY DISTURBED AREA	TEMPORARY IMPACTS	PERMANENT IMPACTS
WITHIN WETLAND	0 S.F. (PUMP HSE.) (1)	0 S.F. (PUMP HSE.)	+ 39 S.F. RESTORED
BANK (LINEAL FEET)	15' L.F. (PUMP HSE.)	4' TEMPORARY (1)	15' RESTORED (1)
BUFFER ZONE 0' - 25'	240 S.F. (PUMP HSE.)	3083 S.F. (2)	240 S.F. (PUMP HSE.)
BUFFER ZONE 25' - 75'	0 (TEE)	55 S.F. (2)	0 S.F. (TEE)

- (1) THERE WILL BE 4' OF BANK TEMPORARILY DISTURBED FOR THE CONSTRUCTION OF THE NEW PUMP HOUSE (2' ON EITHER SIDE OF THE EXISTING PUMP HOUSE). THE PUMP HOUSE IS BEING LOCATED UP GRADIENT OF THE IRRIGATION POND WHICH WILL ALLOW THE RESTORATION OF 15' OF BANK (ELEVATION 64.0) AND 39 S.F. OF WETLAND.
- (2) THERE WILL BE TOTAL OF 3138 S.F. OF TEMPORARY IMPACTS WITHIN THE 100 BUFFER ZONE (SEE TABLE ABOVE). A 10' WIDE TEMPORARY CONSTRUCTION ACCESS ROADWAY WILL BE CONSTRUCTED TO PROVIDE ACCESS TO THE CONSTRUCTION AREA (2,042 S.F.). ALL EXCAVATED MATERIAL WILL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION.



EXISTING CONDITIONS
SCALE: 1"=10'

INDEX OF SHEETS

- C1 SHEET 1 OF 3 EXISTING CONDITIONS & SITE PLAN
- C2 SHEET 2 OF 3 SITE DETAILS
- C3 SHEET 3 OF 3 SITE DETAILS & PHOTOGRAPHS

**CONSULTANTS-
DESIGN TEAM:**

CIVIL ENGINEER:
ASB DESIGN GROUP, LLC
363 BOSTON STREET
TOPPSFIELD MA 01983
978.887.6161

SURVEYOR:
DONOHUE SURVEY, INC.
363 BOSTON STREET
TOPPSFIELD MA 01983
978.887.6161

WETLANDS:
RIMMER ENVIRONMENTAL
CONSULTING, LLC
30 GREEN STREET
NEWBURYPORT MA 01950
978.463.9226



LOCATION PLAN

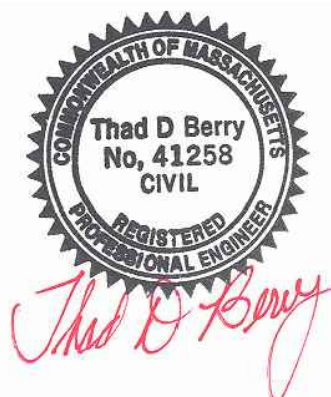
SCALE: 1" = 500' ±
SOURCE: MA GIS DIGITAL RASTER GRAPHIC (DRG)

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0	09/06/16	ISSUED FOR REVIEW

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NOTICE OF INTENT

date: 09.20.2016
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job no: 2016-37 / 3304
DEP no: T.B.D.



drawing name
SITE DETAILS

drawing number

C2

LOAM & SEEDING NOTES

- IF REQUIRED THE CONTRACTOR SHALL FURNISH ALL TOPSOIL OR ADDITIONAL TOPSOIL NEEDED TO COMPLETE THE JOB. IF THE EXISTING TOPSOIL IS SUFFICIENT TO COMPLETE THE JOB, ANY EXCESS TOPSOIL WILL REMAIN ON SITE. AN AREA WILL BE PROVIDED ON SITE FOR FINAL STORAGE.
- THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED ON THE DESIGNATED AREAS AND IT SHALL BE A MINIMUM DEPTH OF SIX INCHES AFTER FIRING. SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS. TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SEEDING.
- AFTER LOAM HAS BEEN PLACED, LIME AND FERTILIZER SHALL BE UNIFORMLY MIXED INTO THE TOP FOUR INCHES OF SOIL BY DISCING, HARROWING OR USING OTHER APPROVED METHODS.
- ANY UNDULATIONS OR IRREGULARITIES IN THE SURFACE RESULTING FROM FERTILIZING, LIMING, SURFACE ROUGHENING OR OTHER CAUSES SHALL BE LEVELED PRIOR TO SEEDING. FLOODED, WASHED-OUT OR OTHERWISE DAMAGED AREAS SHALL BE RECONSTRUCTED AND ALL GRADES RE-ESTABLISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE DRAWINGS AND/ OR OTHER APPLICABLE SPECIFICATIONS.
- PRIOR TO SEEDING THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS AND STONES LARGER THAN ONE AND ONE-HALF INCHES IN DIAMETER, AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING OR MAINTENANCE OPERATIONS.
- BROADCAST SEED AND MULCH. PLACE STRAW AND ANCHOR IT TO TOPSOIL. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDLINGS WITH ADEQUATE WATER FOR PLANT GROWTH. (1/2"-1" EVERY 3-4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED.

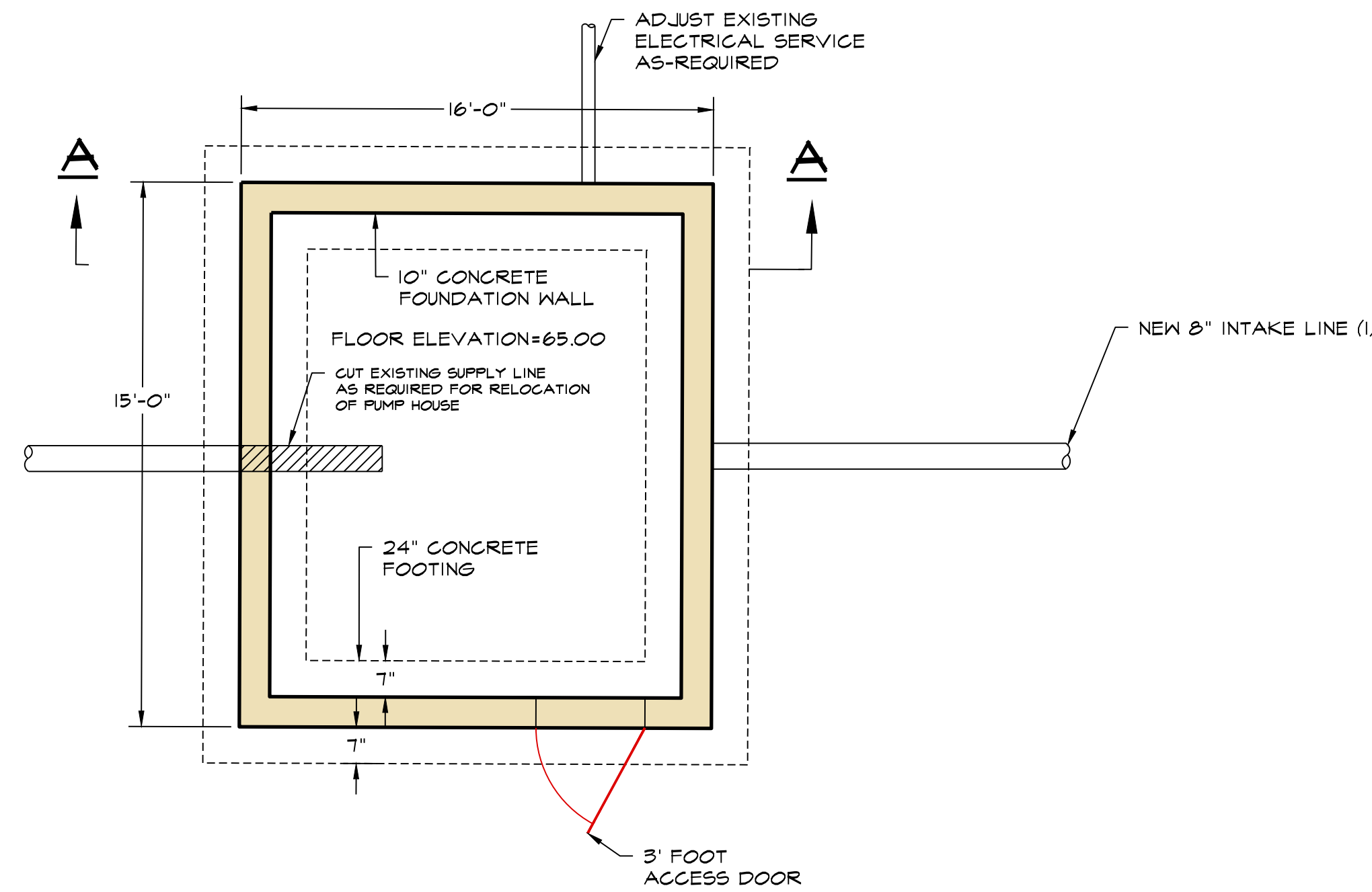
REPAIRS AND MAINTENANCE

INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS AND RESEEDINGS WITHIN THE PLANTING SEASON.

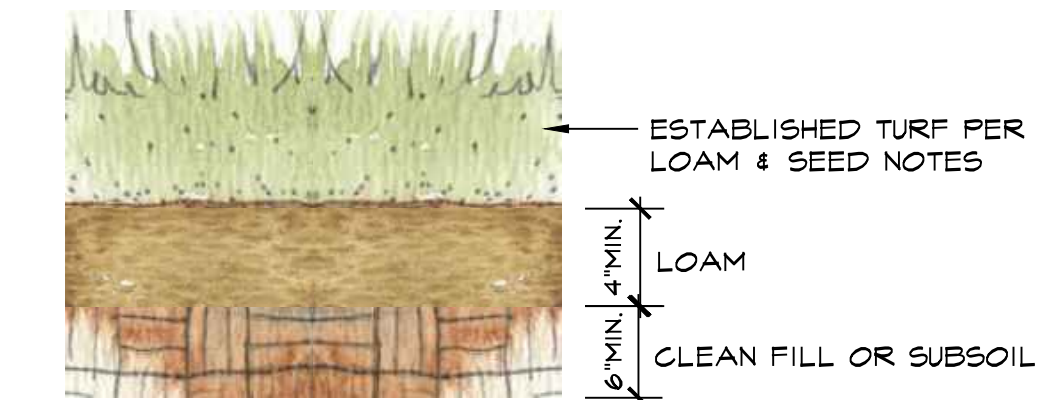
- ONCE THE VEGETATION IS ESTABLISHED, THE SITE SHALL HAVE 95% GROUND COVER TO BE CONSIDERED ADEQUATELY STABILIZED.
- IF THE STAND PROVIDES LESS THAN 40% GROUND COVERAGE, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER, SEEDBED PREPARATION AND SEEDING RECOMMENDATIONS.
- IF THE STAND PROVIDES BETWEEN 40% AND 94% GROUND COVER AGE, OVERSEEDING AND FERTILIZING USING HALF OF THE RATES ORIGINALLY APPLIED MAY BE NECESSARY.

SURFACE PREPARATION

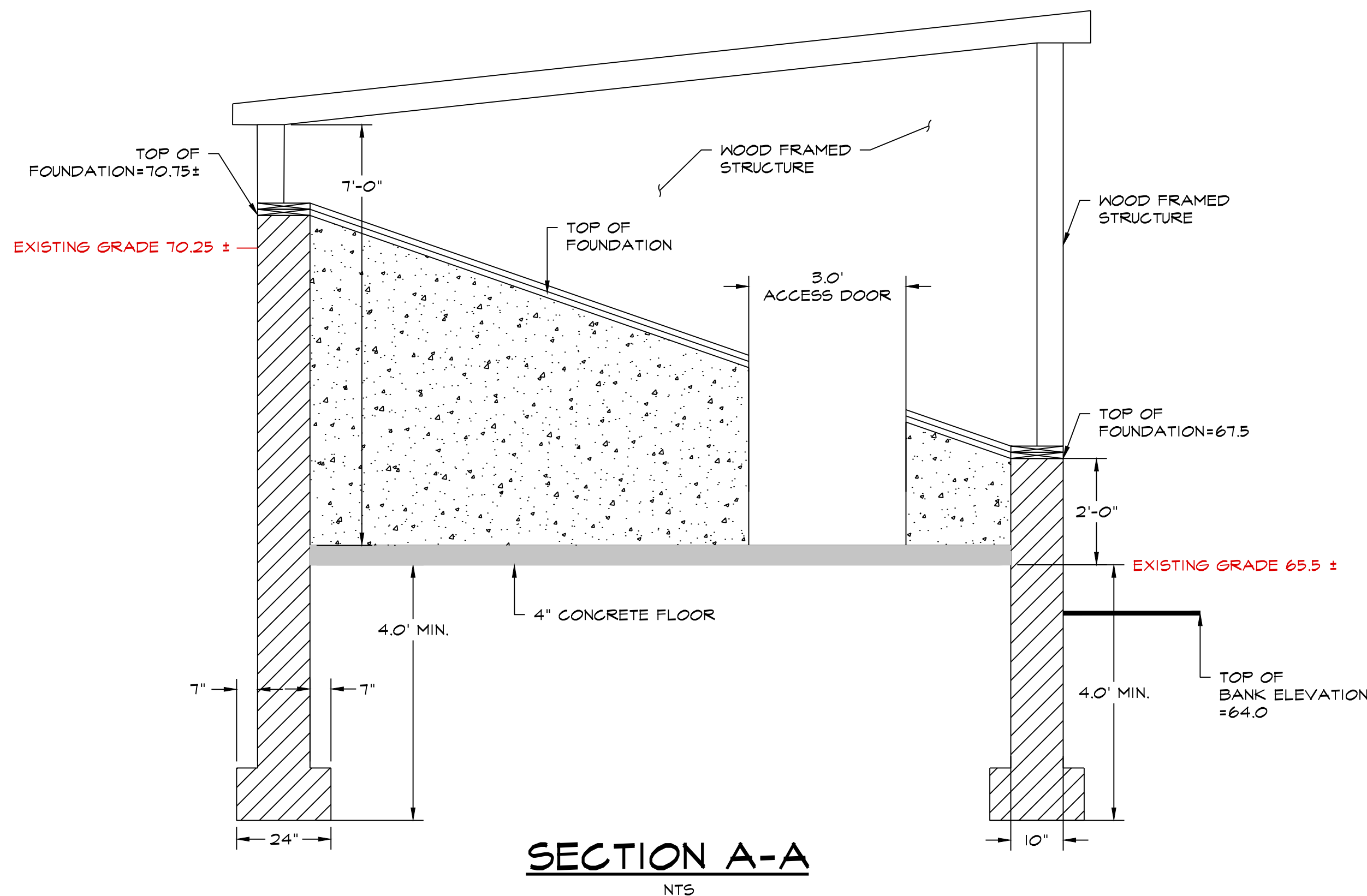
- STRIP AND STOCKPILE ALL EXISTING LOAM FROM PROPOSED WORK AREAS. PROTECT LOAM FROM EROSION. ALL LOAM WILL REMAIN ON SITE UNLESS THE OWNER APPROVES OFF SITE REMOVAL.
- SET FIELD GRADES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. PROVIDE PROPER SURVEY CONTROL AND MAINTAIN THROUGHOUT CONSTRUCTION. PROVIDE ENGINEER WITH COPIES OF ALL SURVEY NOTES AND LOCATIONS OF BOTH VERTICAL AND HORIZONTAL CONTROL.
- BRING BASE MATERIAL TO FINISH GRADE. PROVIDE ENGINEER WITH AS-BUILT DRAWINGS SHOWING FINISH ELEVATIONS AND CONTOURS PRIOR TO PLACEMENT OF LOAM.
- SOIL TESTS SHALL BE MADE TO DETERMINE THE EXACT REQUIREMENTS FOR BOTH LIME AND FERTILIZER. SOIL TESTS SHALL BE CONDUCTED BY A STATE LABORATORY OR RECOGNIZED COMMERCIAL LABORATORY. PROVIDE ENGINEER WITH COPY OF TEST RESULTS AND RECOMMENDATIONS FOR LIMING AND FERTILIZING.
- AFTER THE AREAS TO BE TOPSOILED HAVE BEEN APPROVED BY THE OWNER OR ENGINEER, AND IMMEDIATELY PRIOR TO DUMPING AND SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENED BY ROUGHENING TO THE DEPTH OF AT LEAST TWO INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SUBSOIL AND TO INCORPORATE THE LIME.
- ACCEPTANCE SHALL BE GIVEN BY THE OWNER OR ENGINEER UPON SATISFACTORY COMPLETION OF EACH SECTION OR AREA AS INDICATED ON THE DRAWINGS OR AS OTHERWISE SPECIFIED BEFORE PLACEMENT OF TOPSOIL.



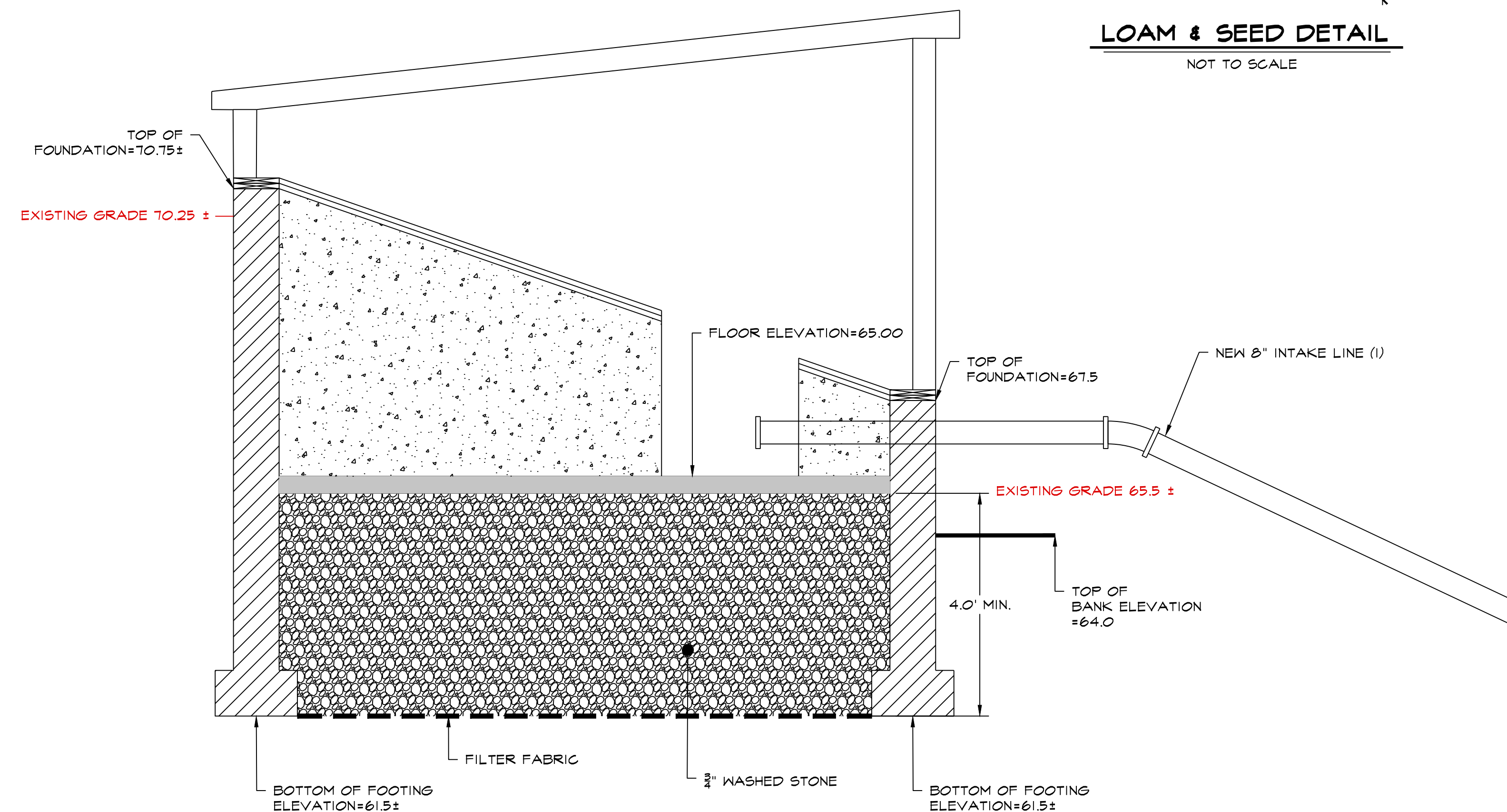
NEW PUMP HOUSE
NTS



LOAM & SEED DETAIL
NOT TO SCALE



SECTION A-A
NTS



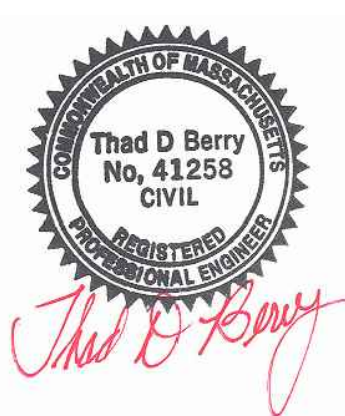
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drawing name

**SITE DETAILS &
PHOTOGRAPHS**

drawing number

C3

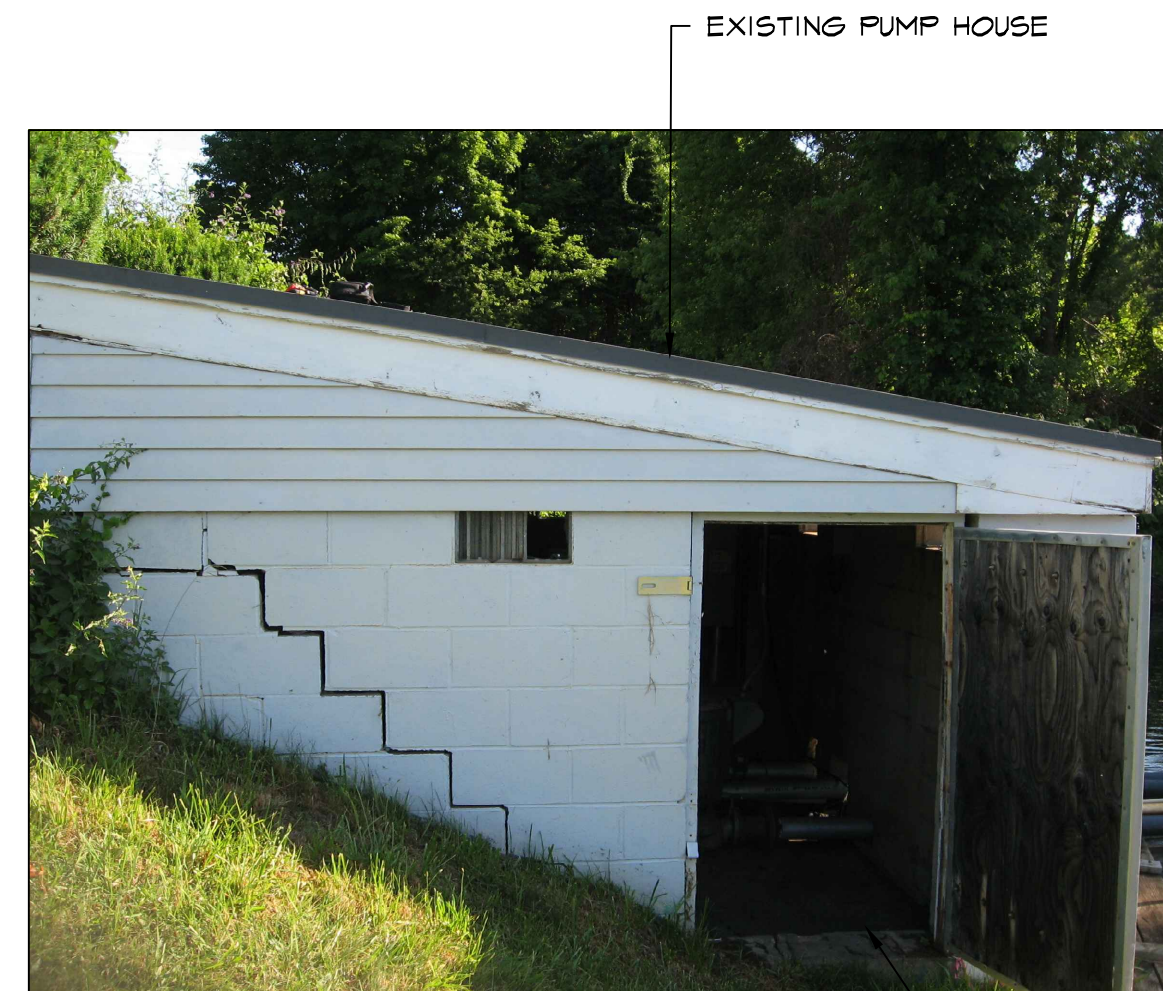
sheet 3 of 3



PHOTOGRAPH #1
PROJECT LOCATION



PHOTOGRAPH #2
EXISTING PUMP HOUSE & INTAKES



PHOTOGRAPH #3
EXISTING PUMP HOUSE



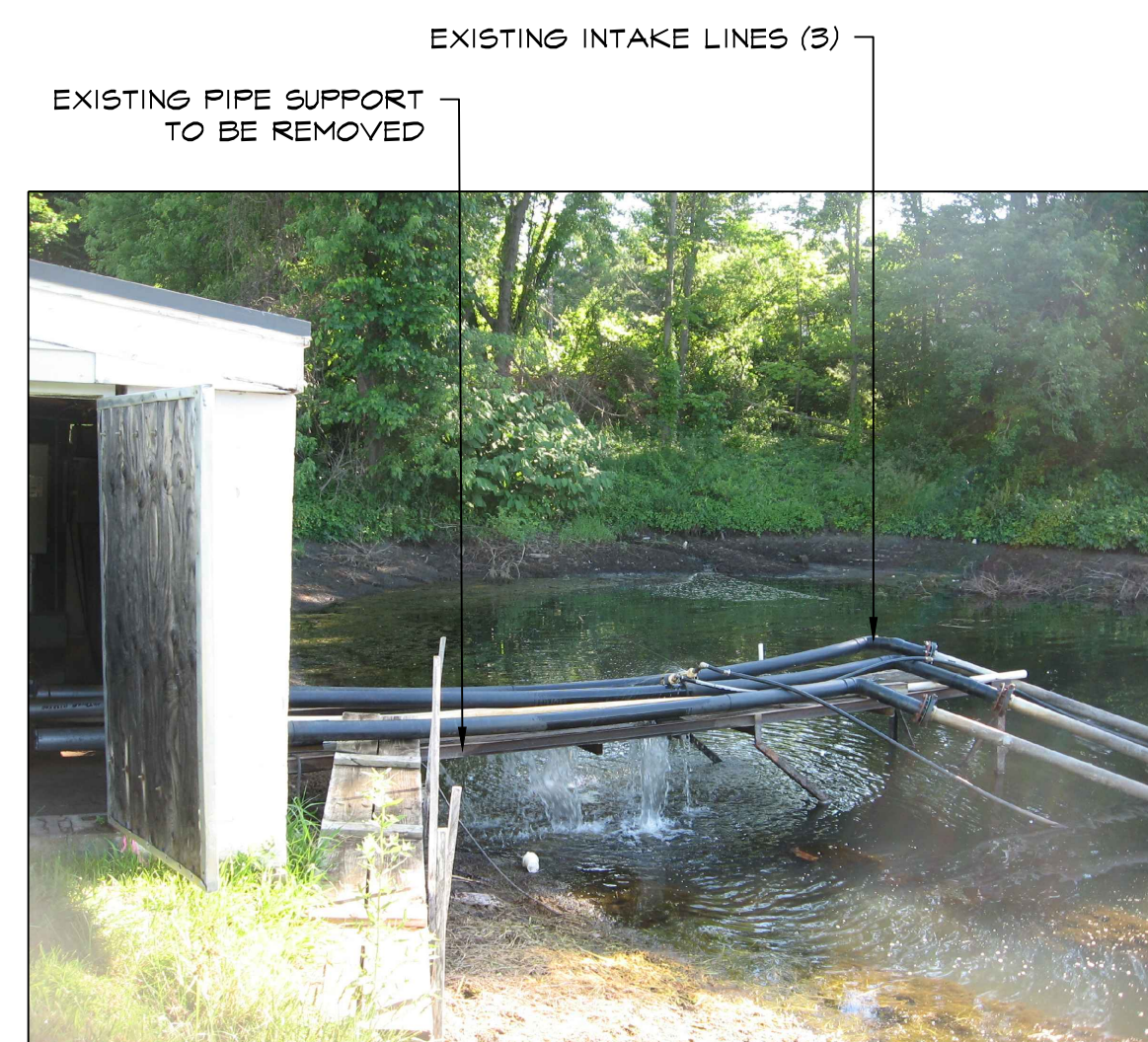
PHOTOGRAPH #4
EXISTING PUMP HOUSE



PHOTOGRAPH #5
EXISTING PUMP HOUSE



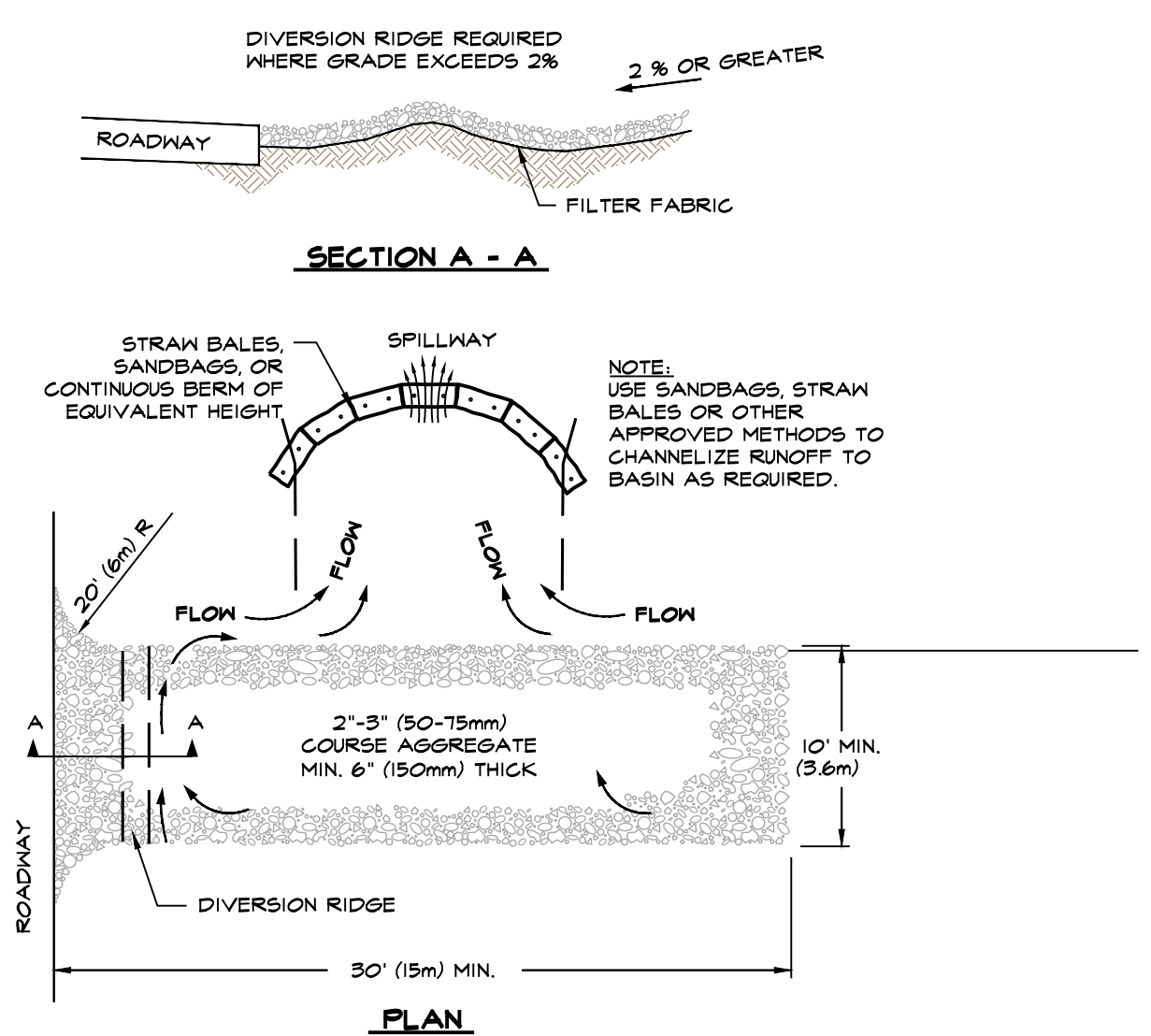
PHOTOGRAPH #6
EXISTING PUMP HOUSE INTAKES



PHOTOGRAPH #7
EXISTING PUMP HOUSE INTAKES



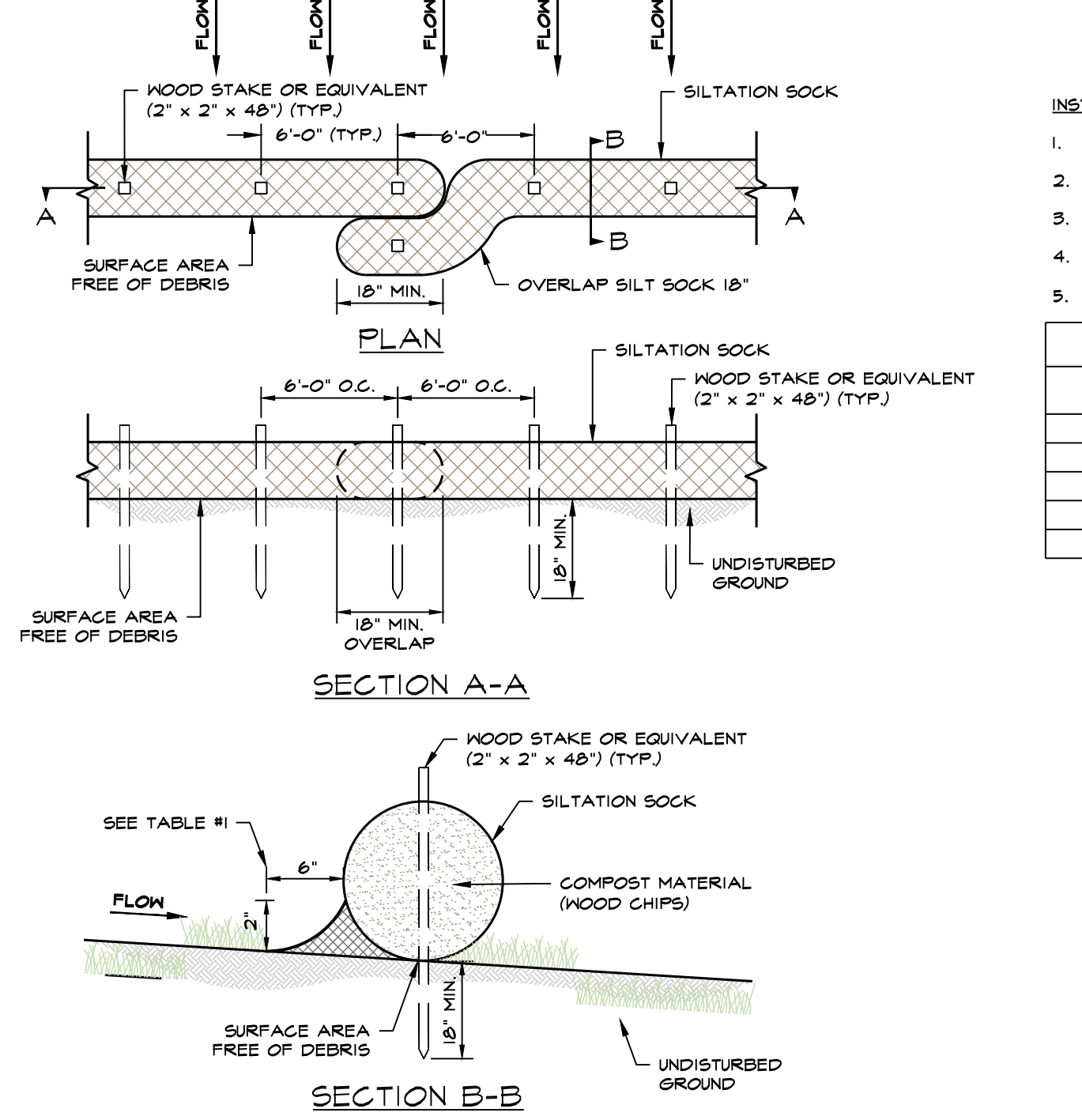
PHOTOGRAPH #8
EXISTING PUMP HOUSE INTAKES



TEMPORARY CONSTRUCTION ENTRANCE
NOT TO SCALE

NOTES:

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
- ADJACENT STREETS SHALL BE SWEEPED.



- INSTALLATION NOTES:**
- INSTALL SILT SOCK ON A SURFACE CLEAR OF DEBRIS.
 - OVERLAP ENDS BY A MINIMUM OF 18-INCHES.
 - END OF SILT SOCK TO BE DIRECTED UP SLOPE.
 - PLACE STAKES THROUGH SILT SOCK OR ON DOWNSTREAM SIDE.
 - ON SLOPES GREATER THAN 2:1 (2:1) SEED COMPOST SOCK IS RECOMMENDED.

SLOPE	SOCK DIAMETER (MIN.)	STAKING	2' COMPOST BARRIER (WOOD CHIPS)
< 50:1	9"	6' O.C.	---
50:1 TO 10:1	9"	6' O.C.	---
10:1 TO 5:1	12"	6' O.C.	---
5:1 TO 2:1	12"	4' O.C.	---
> 2:1	18"	4' O.C.	RECOMMENDED

- NOTE:**
- EROSION CONTROL BARRIER TO BE STAKED IN THE FIELD BY SURVEYOR PRIOR TO CONSTRUCTION.**
 - IF REQUIRED, MATERIAL STOCKPILE AREA WILL BE SURROUNDED BY AN EROSION CONTROL BARRIER. (HAY BALES, SILTATION FENCE, AND/OR SILTATION SOCK). ALL EXCAVATED MATERIAL FOR NEW PUMP HOUSE WILL BE REMOVED FROM THE SITE AT TIME OF EXCAVATION.**
 - ALL LOAM IS TO REMAIN ON SITE UNTIL ALL AREAS ARE LOAMED AND SEEDDED. EXCESS LOAM SHALL BE REMOVED FROM THE SITE AT THE COMPLETION OF PUMP HOUSE RECONSTRUCTION.**
 - CONSTRUCTION ENTRANCE WILL BE INSTALLED FOR VEHICLE ACCESS TO CONSTRUCTION AREA.**
 - CONCRETE WASHOUT AREA WILL BE A MINIMUM OF 6'x6' AND BE SURROUNDED BY A SINGLE ROW OF STACKED HAY BALES. ALL HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION'S (MADEP) RULES AND REGULATIONS.**

- DE-WATERING:**
- IF DE-WATERING IS REQUIRED FOR NEW PUMP HOUSE FOUNDATION CONSTRUCTION CONTRACTOR SHALL INSTALL DIRT BAG AND DIRECT OUTLET FLOW TOWARDS EXISTING IRRIGATION POND.**

SILTATION SOCK DETAIL
NOT TO SCALE