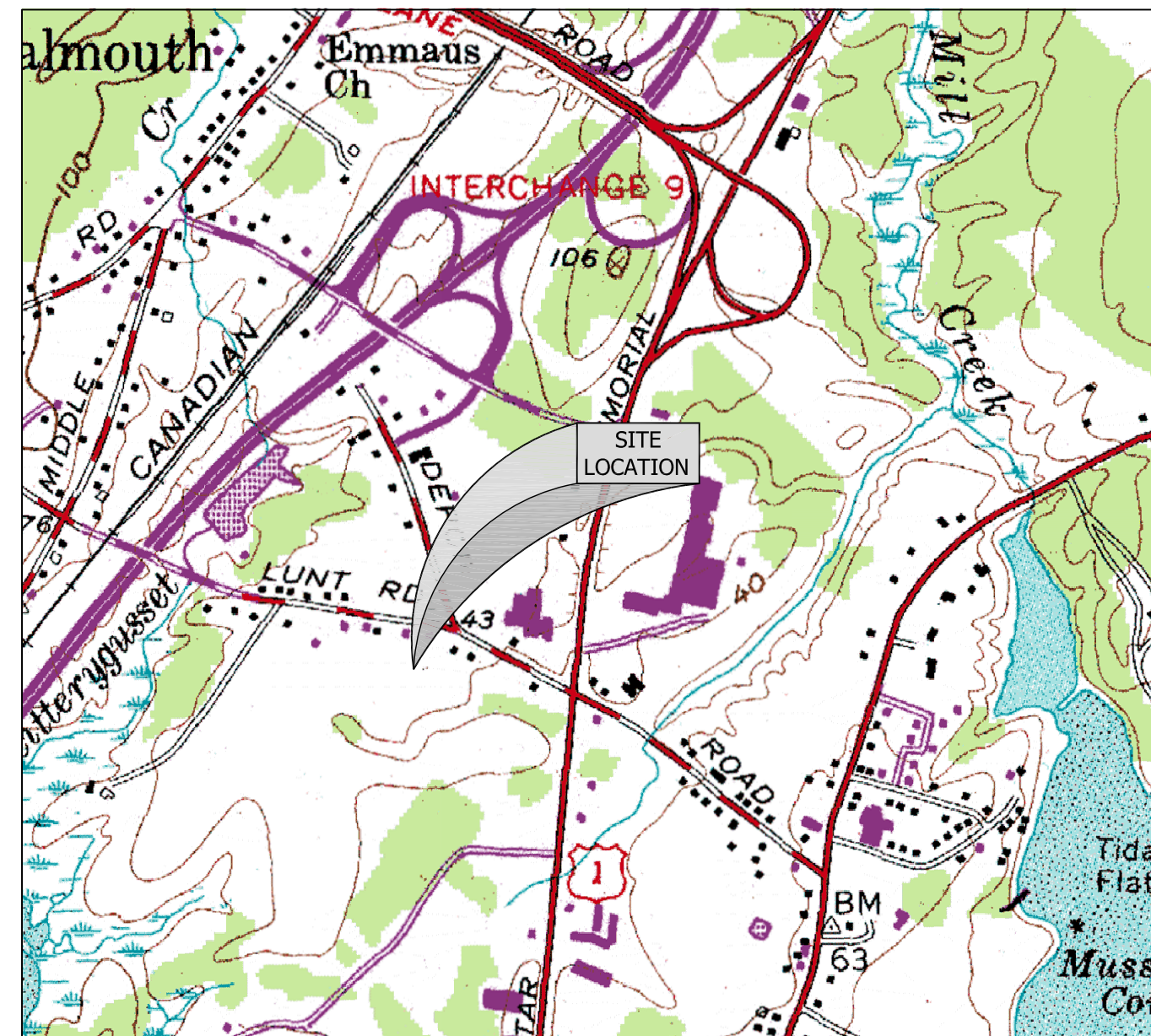


CASCO BAY HOCKEY ASSOCIATION RINK PROJECT FALMOUTH, MAINE

PREPARED FOR:
CASCO BAY HOCKEY ASSOCIATION
TWO CANAL PLAZA
PORTLAND, ME 04112



VICINITY MAP
1"=1000'

PREPARED BY:
BLAIS CIVIL ENGINEERS, PA
780 BROADWAY
SOUTH PORTLAND, MAINE 04106
(207) 767-7300

INDEX OF DRAWINGS:

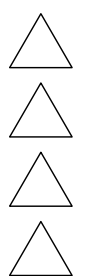
SHEET NO.	DRAWING TITLE
C1	TITLE SHEET
C2	GENERAL NOTES & LEGEND
C3	EXISTING CONDITIONS/ DEMO PLAN
C4	SITE PLAN
C5	GRADING & DRAINAGE PLAN
C6	EROSION & SEDIMENT CONTROL PLAN
C7	LANDSCAPE PLAN
C8	STORMWATER PLAN
C9	UTILITY PLAN
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C11	EROSION CONTROL NOTES & DETAILS
C12	SITE DETAILS
C13	SITE DETAILS
C14	SITE DETAILS



CASCO BAY HOCKEY ASSOCIATION
RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

No: Revision Date:

1 PER TOWN COMMENTS 05/27/14

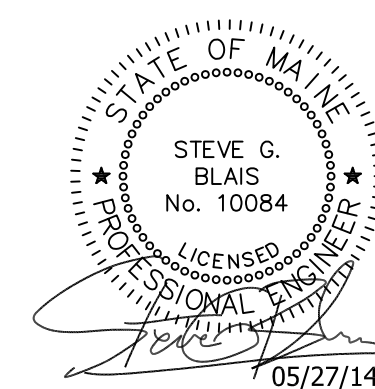


revisions:
date: MAY 27 2014
scale: As Noted
drawn: DRH
checked: SB

APPROVAL BLOCK:

COMMUNITY DEVELOPMENT DIRECTOR
DATE APPROVED: _____

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C1

GENERAL NOTES:

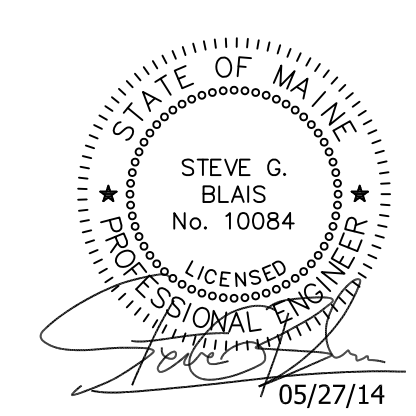
- OWNER/DEVELOPER: **CASCO BAY HOCKEY ASSOCIATION**
- ALL WORK SHALL BE IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING ALL SAFETY REGULATIONS (OSHA, ETC.). ANY CONFLICTS BETWEEN THE REGULATIONS AND THESE PLANS SHALL BE REPORTED TO BLAIS CIVIL ENGINEERS, PA PRIOR TO COMMENCING/CONTINUING CONSTRUCTION.
- ALL WORK WITHIN **FALMOUTH** RIGHT-OF-WAYS SHALL CONFORM TO THEIR STANDARDS AND SPECIFICATIONS. THE DEVELOPER AND/OR CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS SHOWN ON THE DRAWINGS. IF ANY DISCREPANCIES ARE FOUND, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- THESE PLANS MAKE NO REPRESENTATION AS TO SUBSURFACE CONDITIONS OR THE PRESENCE OF SUBSURFACE WATER OR THE NEED FOR SUBSURFACE DRAINAGE FACILITIES.
- THE SITE SHALL BE DEVELOPED AS DEPICTED ON THE PLANS. APPROVAL BY THE TOWN PLANNING DEPARTMENT AND/OR TOWN COUNCIL AND/OR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION SHALL BE REQUIRED FOR ANY ALTERATION OR DEVIATION FROM THE APPROVED PLANS.
- CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL ON-SITE CAPABLE OF PROVIDING HORIZONTAL AND VERTICAL CONTROL.
- THE CONTRACTOR SHALL COORDINATE MATERIAL STORAGE AND LAY DOWN AREAS WITH OWNERS REPRESENTATIVE.
- EXCESS SURPLUS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL EXISTING LOCAL, STATE, AND FEDERAL REGULATIONS AT CONTRACTORS EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMISSIONS OR EASEMENTS REQUIRED TO PERFORM WORK ON OFF-SITE PROPERTY.
- ALL CONSTRUCTION MATERIALS SHALL BE TRANSPORTED TO AND FROM THE SITE IN COVERED VEHICLES. CONTRACTOR SHALL SWEEP DRIVEWAYS & STREETS AS NECESSARY TO KEEP THEM FREE OF MUD/SILT TRACKED FROM PROJECT.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL AND ANY MEANS, METHODS, AND TECHNIQUES EMPLOYED TO PERFORM THE WORK SHOWN ON THE PLANS.
- EXISTING VEGETATION SHALL BE PROTECTED IN ALL AREAS EXCEPT WHERE SHOWN ON THE PLANS. PRIOR TO THE CONSTRUCTION, FENCING OR OTHER PROTECTIVE MEASURES SHALL BE ERECTED OUTSIDE THE DRIP-LINE OF THE INDIVIDUAL GROUPS OR TREES DESIGNATED FOR PRESERVATION. RE-GRADING SHALL NOT TAKE PLACE WITHIN THE DRIP-LINE OF THE TREES DESIGNATED FOR PRESERVATION. NO STORAGE OF CONSTRUCTION MATERIALS SHALL BE PERMITTED WITHIN THE DRIP-LINE OF TREES TO BE PRESERVED. NO VEHICLES MAY DRIVE OR PARK IN THE DRIP-LINE OF TREES TO BE PRESERVED.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- NO GRAVEL OR TOPSOIL SHALL BE REMOVED FROM THE SITE UNLESS APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL PREPARE AN AS-BUILT PLAN SURVEY SHOWING LOCATIONS OF ALL SURFACE FEATURES AND SUBSURFACE UTILITY SYSTEMS INCLUDING LOCATION, SIZE, AND INVERTS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY.
- EXISTING PROPERTY AND RIGHT OF WAY PINS SHALL NOT BE DISTURBED DURING CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATION AT THE CONTRACTORS EXPENSE BY A REGISTERED MAINE LAND SURVEYOR UNLESS OTHERWISE DIRECTED BY OWNER.
- WORKING HOURS SHALL COMPLY WITH THE **TOWN OF FALMOUTH** ORDINANCE REQUIREMENTS.
- THE CONTRACTOR SHALL REVIEW THE PROPOSED GRADES FOR CONSTRUCTABILITY PRIOR TO COMMENCING WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY
- THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS, WALKWAYS, DRIVEWAYS, AND PARKING AREAS WITH NO PUDDLING. PROPOSED GRADES SHALL MATCH EXISTING GRADES SMOOTHLY AND CONTINUOUSLY.
- RIP RAP SHALL BE PLACED AT CULVERT INLETS AND OUTLETS ACCORDING TO REFERENCED MAINE BMP STANDARDS OR AS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- TRACKED SOIL AND SEDIMENTS SHALL BE SWEEPED FROM PUBLIC ROADS/ STREETS ON A DAILY BASIS.

UTILITY NOTES:

- THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES, AS SHOWN HEREON, ARE APPROXIMATE ONLY. NO GUARANTEE IS HEREIN MADE OR IMPLIED THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES AND TO VERIFY THE TYPE, SIZE, AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO STARTING THE WORK. TEST PITS MAY BE NECESSARY TO PHYSICALLY LOCATE THESE UNDERGROUND UTILITIES. ANY DISCREPANCIES IN THE INFORMATION SHOWN HEREON SHALL BE REPORTED TO BLAIS CIVIL ENGINEERS, PA PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "DIG SAFE" AND LOCAL UTILITY COMPANIES AT LEAST THREE (3) BUSINESS DAYS, BUT NOT MORE THAN 30 CALENDAR DAYS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION, IN ACCORDANCE WITH MAINE STATE LAW. THE "DIG SAFE" TELEPHONE NUMBER IS 1-888-244-7233.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGES TO UNDERGROUND UTILITIES AS A RESULT OF THE CONTRACTOR'S OPERATIONS. ALL REPAIRS SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL UTILITY CONNECTION / EXTENSION PERMITS, STREET OPENING PERMITS, AND DOT RIGHT OF WAY PERMITS REQUIRED BY LOCAL, STATE, AND FEDERAL AUTHORITIES WITH JURISDICTION.
- THE CONTRACTOR SHALL ARRANGE FOR TEMPORARY UTILITY CONNECTIONS THAT MAY BE REQUIRED DURING CONSTRUCTION.
- ALL SANITARY SEWER WORK INCLUDING SECTIONS TO REMAIN PRIVATE SHALL BE IN ACCORDANCE WITH **FALMOUTH** SANITARY DISTRICT STANDARDS AND SPECIFICATIONS. SHOP DRAWING SUBMITTALS OF ALL MATERIALS USED SHALL BE SUBMITTED TO THE TOWN FOR APPROVAL PRIOR TO ORDERING MATERIALS.
- ALL WORK PERTAINING TO FIRE HYDRANTS OR SERVICES SHALL BE IN ACCORDANCE WITH THE **FALMOUTH** FIRE DEPARTMENT AND **PORTLAND WATER DISTRICT** STANDARDS AND SPECIFICATIONS AND SHALL BE APPROVED BY BOTH. SHOP DRAWING SUBMITTALS OF ALL MATERIALS USED SHALL BE SUBMITTED TO BOTH ENTITIES FOR APPROVAL PRIOR TO ORDERING MATERIALS.
- SIZE OF WATERLINE SHALL BE VERIFIED WITH THE BUILDING WATER SYSTEM DESIGNER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL TEST THE WATER AND SEWER SYSTEMS ACCORDING TO THE SANITARY DISTRICT AND WATER DISTRICT STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL SCHEDULE THE TEST TO HAVE A REPRESENTATIVE FROM THE RESPECTIVE ENTITY PRESENT DURING THE TEST.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND SHALL BE RESPONSIBLE FOR PAYING ANY FEES FOR ANY POLE RELOCATION AND FOR THE ALTERATION OR ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM AND ANY OTHER PRIVATE OR PUBLIC UTILITIES.
- RIM ELEVATIONS OF PROPOSED SANITARY SEWER MANHOLES AND ASSOCIATED STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET 1/8" BELOW FINISHED GRADE. ADJUST ALL OTHER RIM ELEVATIONS OF MANHOLES, WATER GATES, GAS GATES, AND OTHER UTILITIES TO 1/8" BELOW FINISHED GRADE WITHIN THE LIMITS OF WORK.
- THE LOCATION, SIZE, DEPTH AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, AND CABLE, ETC.).
- THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE, INVERTS AND TYPES OF EXISTING PIPES AT ALL PROPOSED POINT OF CONNECTION PRIOR TO ORDERING MATERIALS. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE.

LEGEND:

PLANTS	HARDSCAPE
LAWN	BITUMINOUS PAVEMENT
PROPOSED DECIDUOUS TREE	EXISTING PAVEMENT
PROPOSED EVERGREEN TREE	AREA OF WETLAND FILL
PROPOSED SHRUB	PERMEABLE PAVERS
NATIVE GROUND COVER	SNOW STORAGE AREA
	EXISTING BUILDING
	ITEMS TO BE REMOVED
	BOLLARD LIGHT
	BICYCLE PARKING
	PROPOSED LIGHT
	CIRCULAR BENCH / PLANTER
SAW CUT LINE	
DRAINAGE DIVIDE	
PROPOSED CONTOUR	
PROPOSED SPOT GRADE	
EXISTING SPOT GRADE	
UNDERGROUND ELECTRIC, TELEPHONE, CABLE	
UNDERDRAIN	
FOUNDATION DRAIN	
PROPOSED STORM DRAIN	
PROPOSED FENCE	
PROPOSED ACCESSIBLE PATH	
PROPOSED WATER LINE	
PROPOSED EDGE OF PAVEMENT	
SEDIMENT BARRIER	
INLET PROTECTION	
STABILIZED CONSTRUCTION ENTRANCE	



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SITE ENGINEERING:
BLAIS CIVIL ENGINEERS
780 BROADWAY
SOUTH PORTLAND, ME 04106
T: 207-767-7300

ARCHITECTURE:
PORT CITY ARCHITECTURE
65 NEWBURY STREET
PORTLAND, ME 04101
T: 207-761-9000

STRUCTURAL ENGINEERING:
STANTEC
482 PAYNE RD.
SCARBOROUGH, ME 04074
T: 207-883-3355

GEOTECHNICAL ENGINEERING:
R.W. GILLESPIE & ASSOCIATES, INC.
86 INDUSTRIAL PARK ROAD, SUITE 4 SACO,
ME 04072
T: 207-286-8008

LAND SURVEYING:
SEBAGO TECHNICIS
75 JOHN ROBERTS ROAD, SUITE 1A SOUTH
PORTLAND, ME 04106-6963
T: 207-200-2100

NATURAL RESOURCES CONSULTING:
BOYLE ASSOCIATES
25 DUNDEE ROAD
GORHAM, ME 04038
T: 207-591-9220



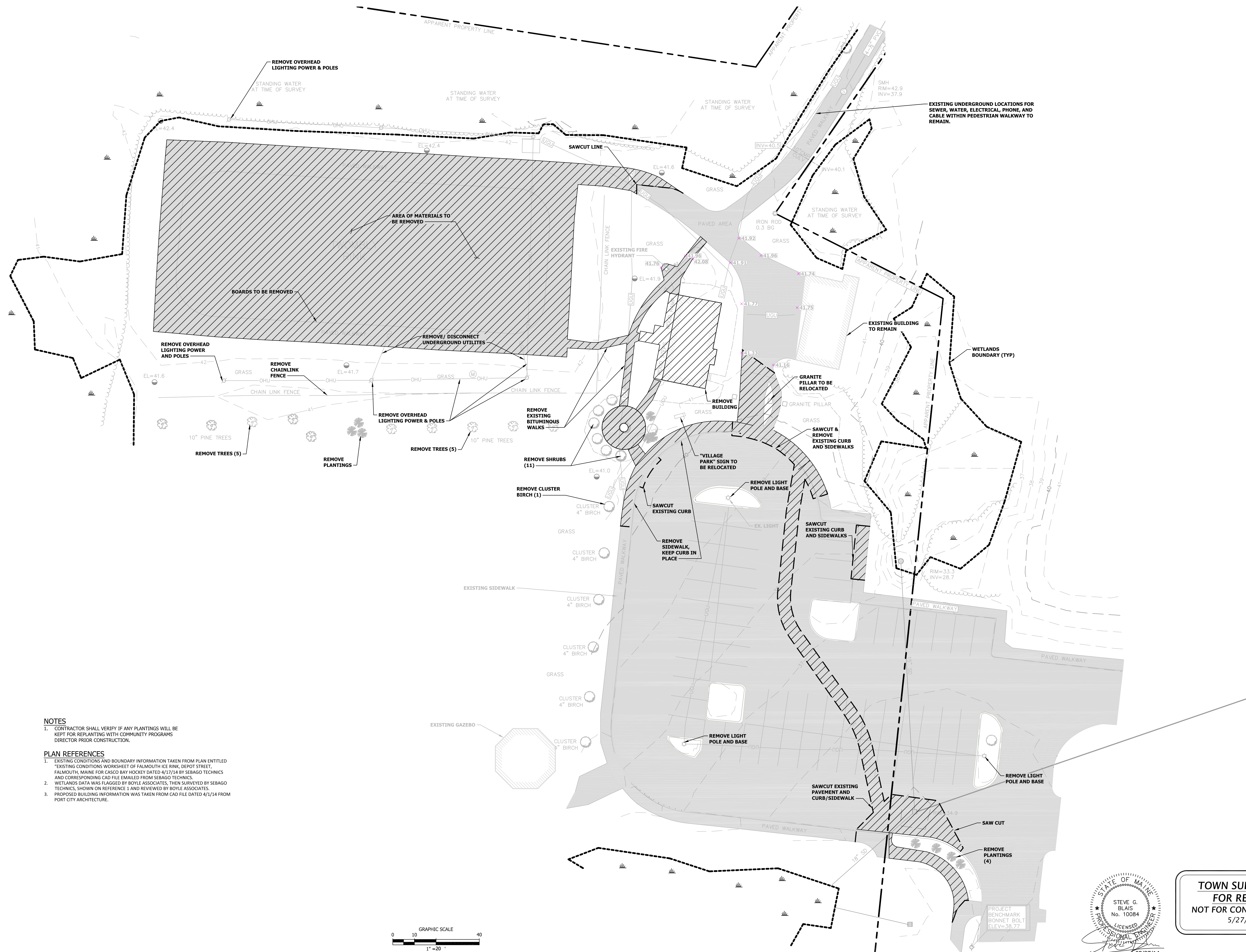
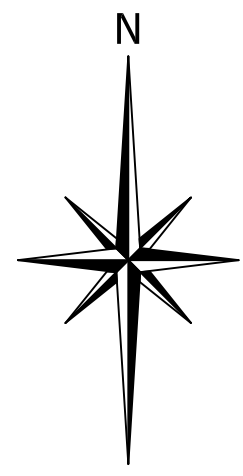
CASCO BAY HOCKEY ASSOCIATION
RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

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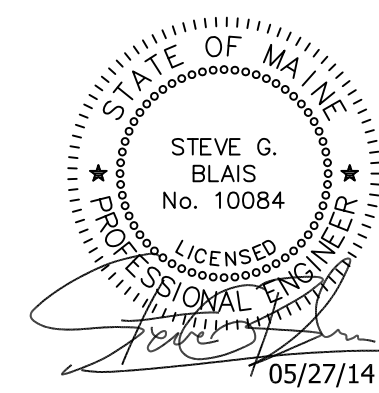
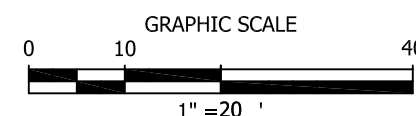
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C2



NOTES
1. CONTRACTOR SHALL VERIFY IF ANY PLANTINGS WILL BE KEPT FOR REPLANTING WITH COMMUNITY PROGRAMS DIRECTOR PRIOR TO CONSTRUCTION.

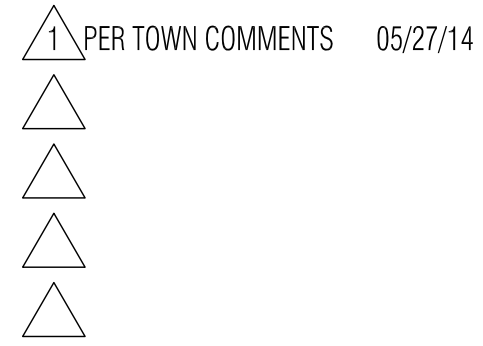
PLAN REFERENCES
1. EXISTING CONDITIONS AND BOUNDARY INFORMATION TAKEN FROM PLAN ENTITLED "EXISTING CONDITIONS WORKSHEET OF FALMOUTH ICE RINK, DEPOT STREET, FALMOUTH, MAINE FOR CASCO BAY HOCKEY DATED 4/17/14 BY SEBAGO TECHNICS AND CORRESPONDING CAD FILE EMAILED FROM SEBAGO TECHNICS.
2. WETLANDS DATA WAS FLAGGED BY BOYLE ASSOCIATES, THEN SURVEYED BY SEBAGO TECHNICS, SHOWN ON REFERENCE 1 AND REVIEWED BY BOYLE ASSOCIATES.
3. PROPOSED BUILDING INFORMATION WAS TAKEN FROM CAD FILE DATED 4/1/14 FROM PORT CITY ARCHITECTURE.



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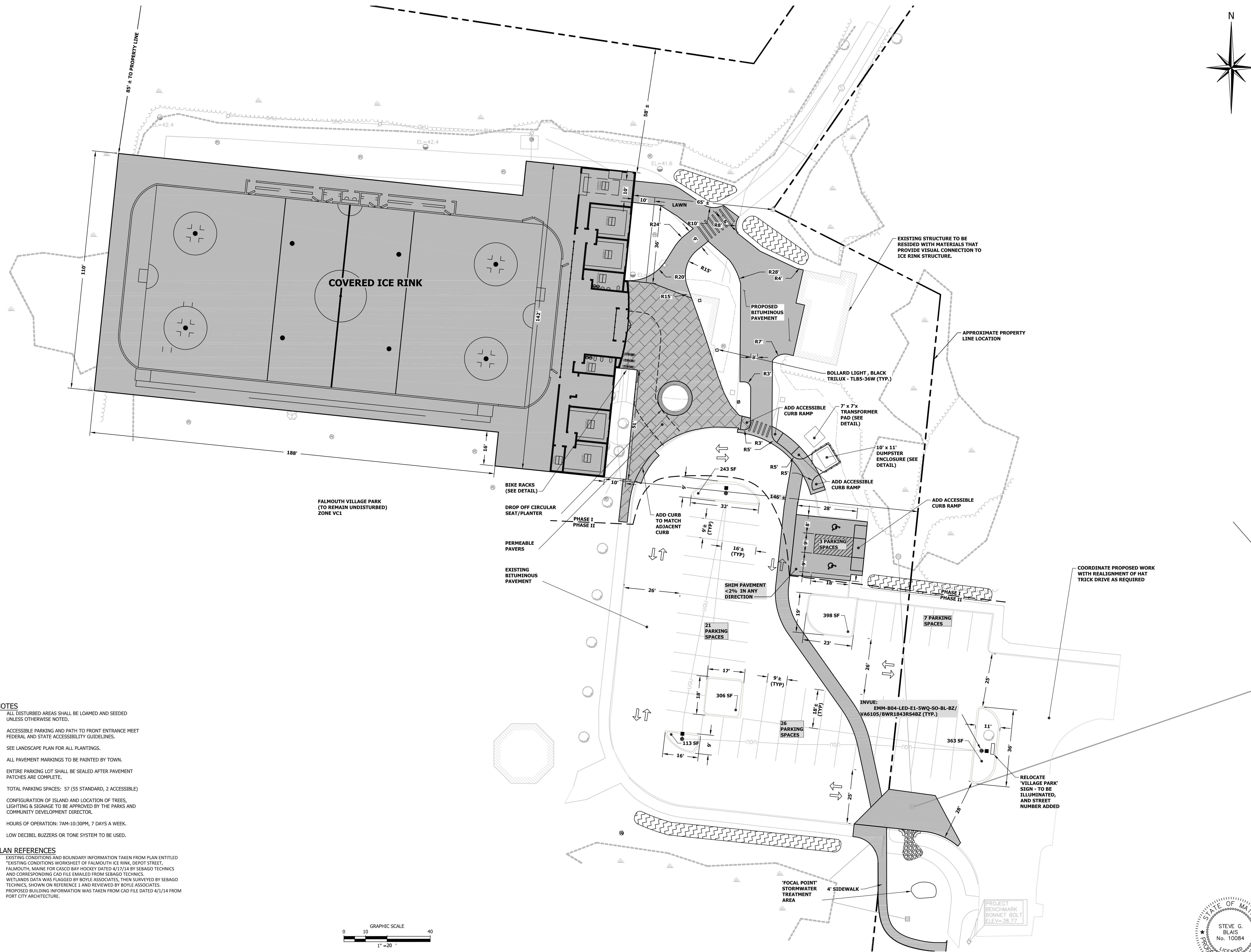
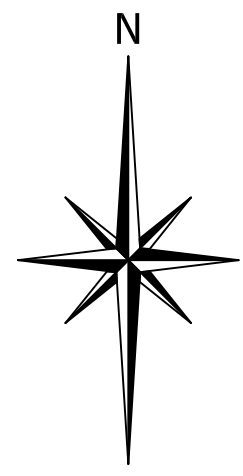
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RINK PROJECT MAP #U52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

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C3
EXISTING CONDITIONS/
DEMO PLAN

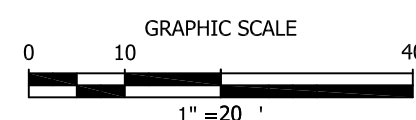


NOTES

1. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED UNLESS OTHERWISE NOTED.
2. ACCESSIBLE PARKING AND PATH TO FRONT ENTRANCE MEET FEDERAL AND STATE ACCESSIBILITY GUIDELINES.
3. SEE LANDSCAPE PLAN FOR ALL PLANTINGS.
4. ALL PAVEMENT MARKINGS TO BE PAINTED BY TOWN.
5. ENTIRE PARKING LOT SHALL BE SEALED AFTER PAVEMENT PATCHES ARE COMPLETE.
6. TOTAL PARKING SPACES: 57 (55 STANDARD, 2 ACCESSIBLE)
7. CONFIGURATION OF ISLAND AND LOCATION OF TREES, LIGHTING & SIGNAGE TO BE APPROVED BY THE PARKS AND COMMUNITY DEVELOPMENT DIRECTOR.
8. HOURS OF OPERATION: 7AM-10:30PM, 7 DAYS A WEEK.
9. LOW DECIBEL BUZZERS OR TONE SYSTEM TO BE USED.

PLAN REFERENCES

1. EXISTING CONDITIONS AND BOUNDARY INFORMATION TAKEN FROM PLAN ENTITLED 'EXISTING CONDITIONS WORKSHEET OF FALMOUTH ICE RINK, DEPOT STREET, FALMOUTH, MAINE FOR CASCO BAY HOCKEY DATED 4/17/14 BY SEBAGO TECHNICS AND CORRESPONDING CAD FILE EMAILED FROM SEBAGO TECHNICS.
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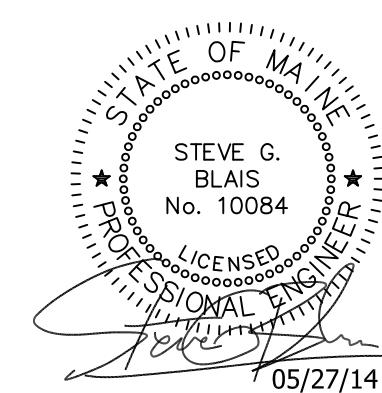


CASCO BAY HOCKEY ASSOCIATION
RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

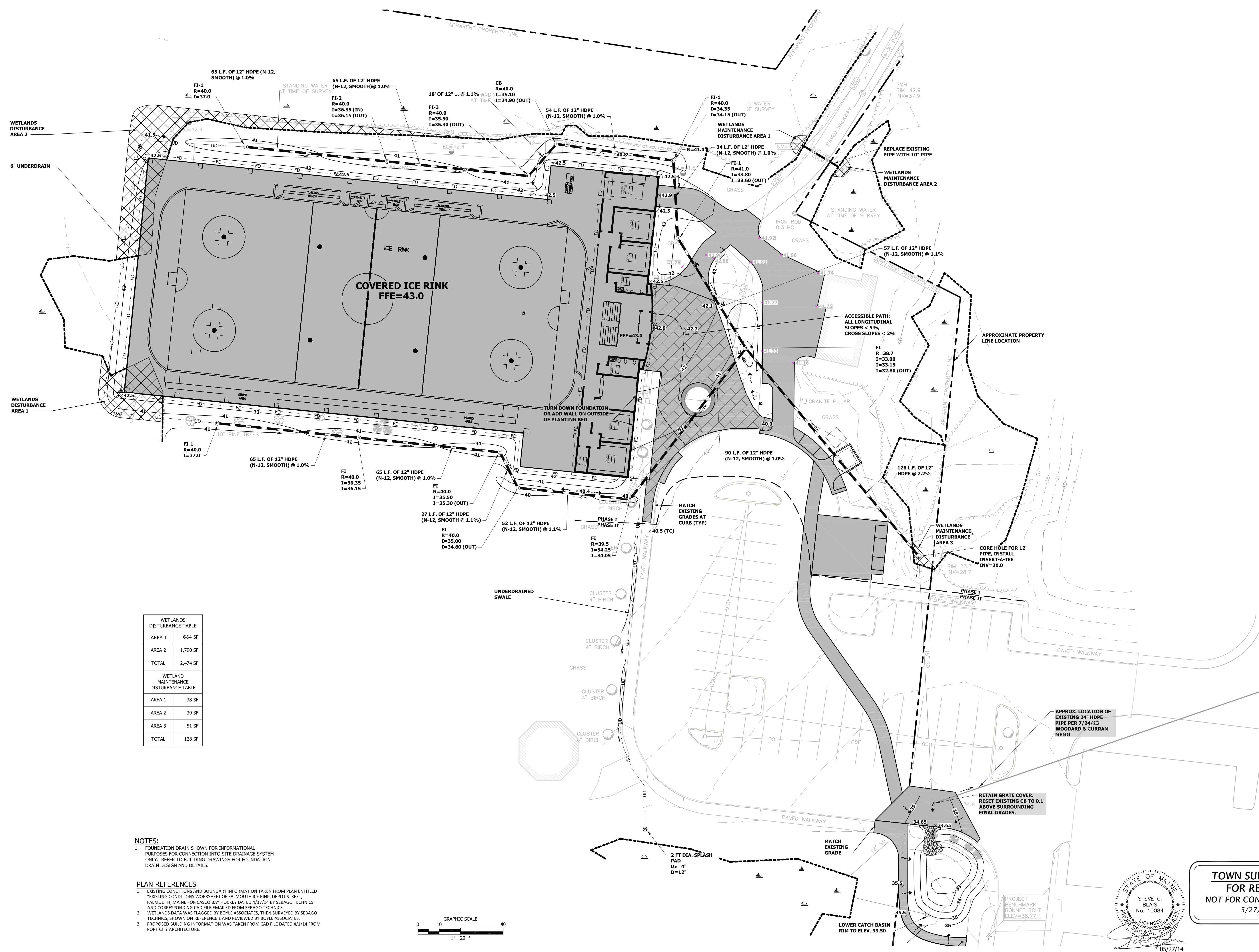
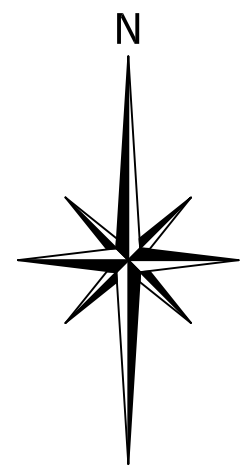
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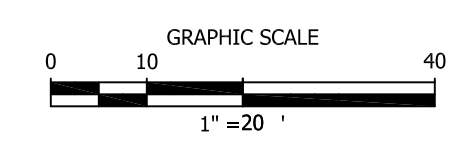


WETLANDS DISTURBANCE TABLE	
AREA 1	684 SF
AREA 2	1,790 SF
TOTAL	2,474 SF

WETLAND MAINTENANCE DISTURBANCE TABLE	
AREA 1	38 SF
AREA 2	39 SF
AREA 3	51 SF
TOTAL	128 SF

NOTES:
1. FOUNDATION DRAIN SHOWN FOR INFORMATIONAL PURPOSES FOR CONNECTION INTO SITE DRAINAGE SYSTEM ONLY. REFER TO BUILDING DRAWINGS FOR FOUNDATION DRAIN DESIGN AND DETAILS.

PLAN REFERENCES
1. EXISTING CONDITIONS AND BOUNDARY INFORMATION TAKEN FROM PLAN ENTITLED "EXISTING CONDITIONS WORKSHEET OF FALMOUTH ICE RINK, DEPOT STREET, FALMOUTH, MAINE FOR CASCO BAY HOCKEY DATED 4/17/14 BY SEBAGO TECHNICS AND CORRESPONDING CAD FILE EMAILED FROM SEBAGO TECHNICS.
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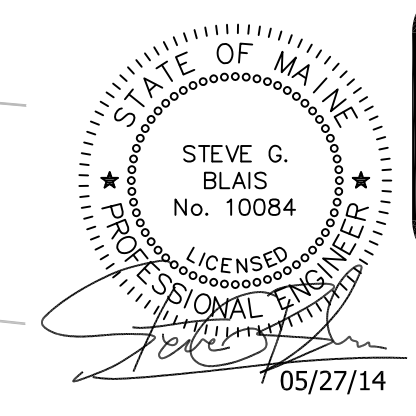
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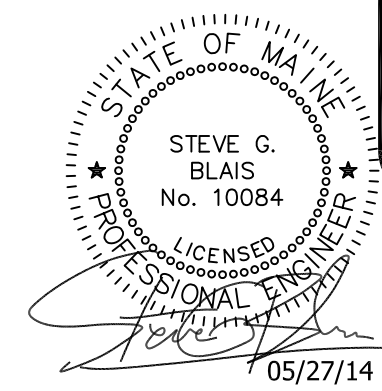
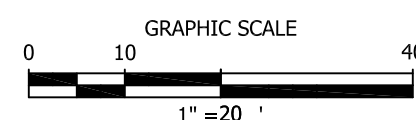
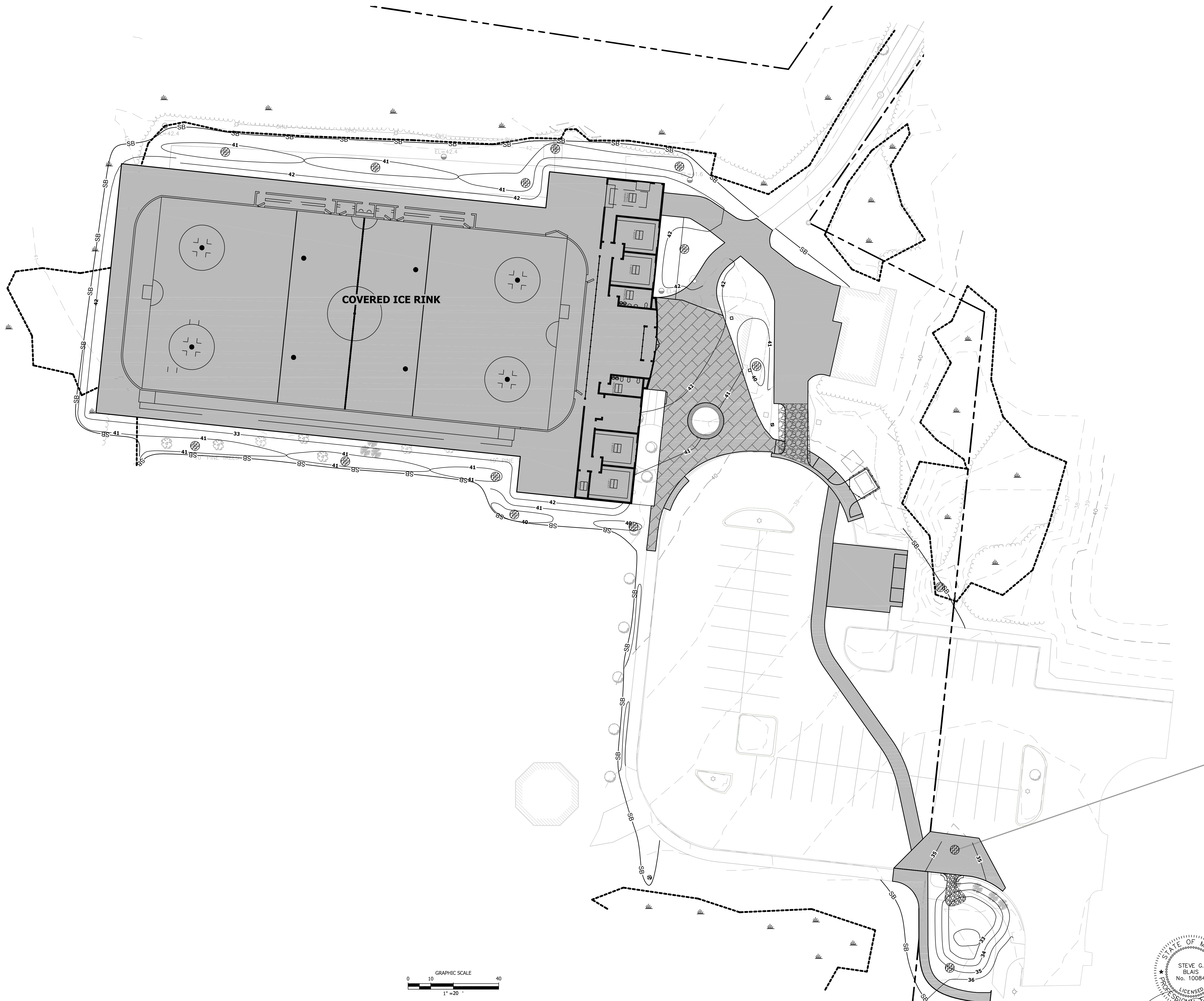
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RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

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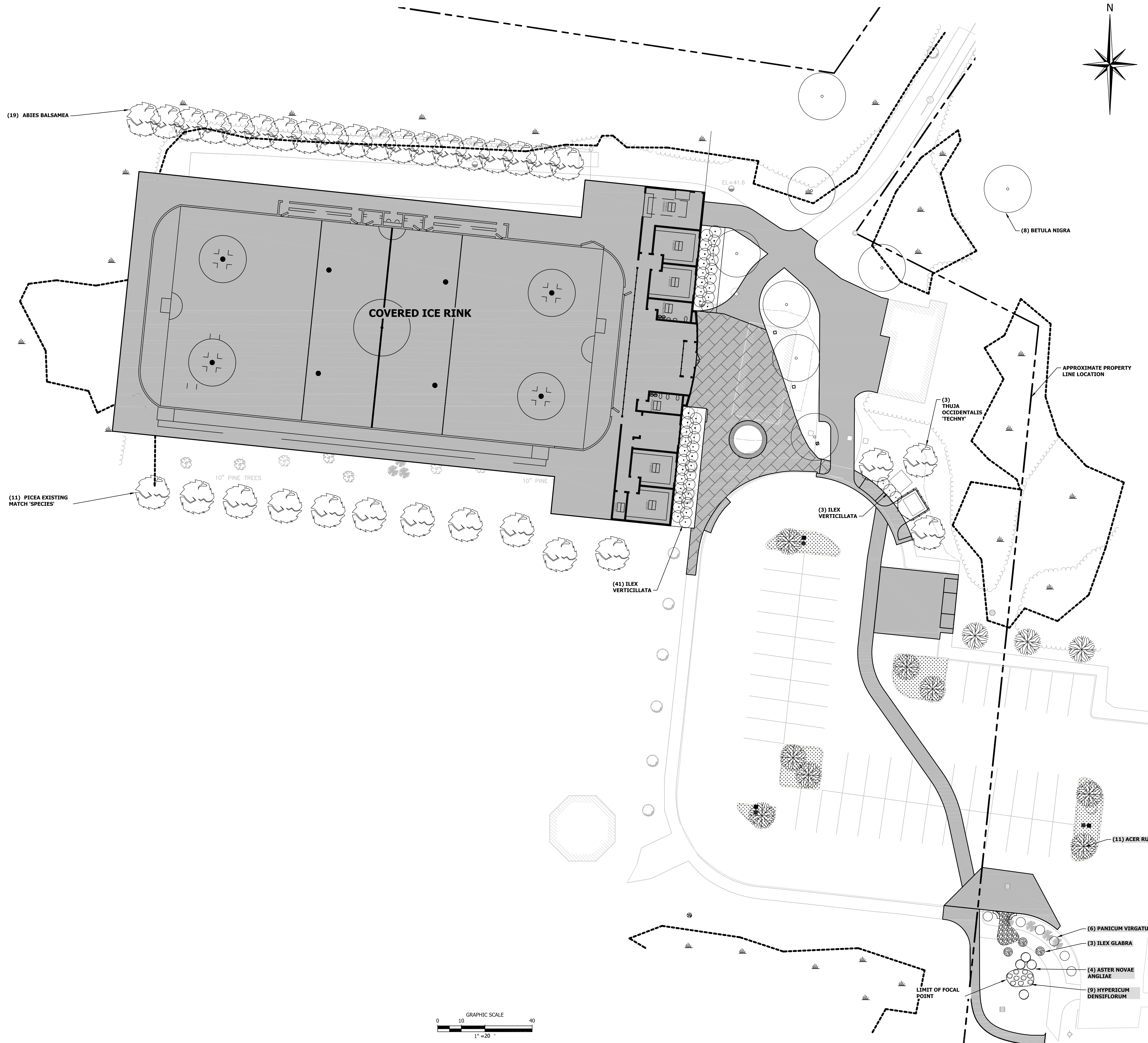
C6

EROSION & SEDIMENT
CONTROL PLAN

PLANT SCHEDULE				
QTY.	NAME	COMMON NAME	SIZE AT INSTALLATION	SIZE AT MATURITY
6	PANICUM VIRGATUM	SWITCH GRASS	#2	5'x3'
3	ILEX GLABRA	INKBERRY	#5	4'x4'
4	ASTER NOVAE ANGLIAE	NEW ENGLAND ASTER	#2	1.5'x2'
9	HYPERICUM DENSIFFLORUM	ST. JOHN'S WART	#1	4'x4'
13	PICEA (MATCH EXISTING SPECIES)	SPRUCE (MATCH EXISTING SPECIES)	6'-7'	15'-20' HIGH
11	ACER RUBRUM	RED MAPLE	2" CALIPER MIN.	50'x30'
8	BETULA NIGRA	RIVER BIRCH	10'-12'(CLUMP)	50'x40'
2	THUJA OCCIDENTALIS 'TECHNY'	NORTHERN WHITE CEDAR	5'-6'	18'x12'
44	ILEX VERTICILLATA	WINTERBERRY HOLLY	#5	8'x10'
19	ABIES BALSAMEA	BALSAM FIR	6'-7'	60'x30'

NOTES

1. CONFIGURATION OF ISLAND AND LOCATION OF TREES, LIGHTING & SIGNAGE TO BE APPROVED BY THE PARKS AND COMMUNITY DEVELOPMENT DIRECTOR.



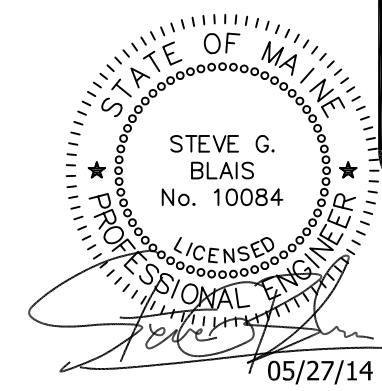
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VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

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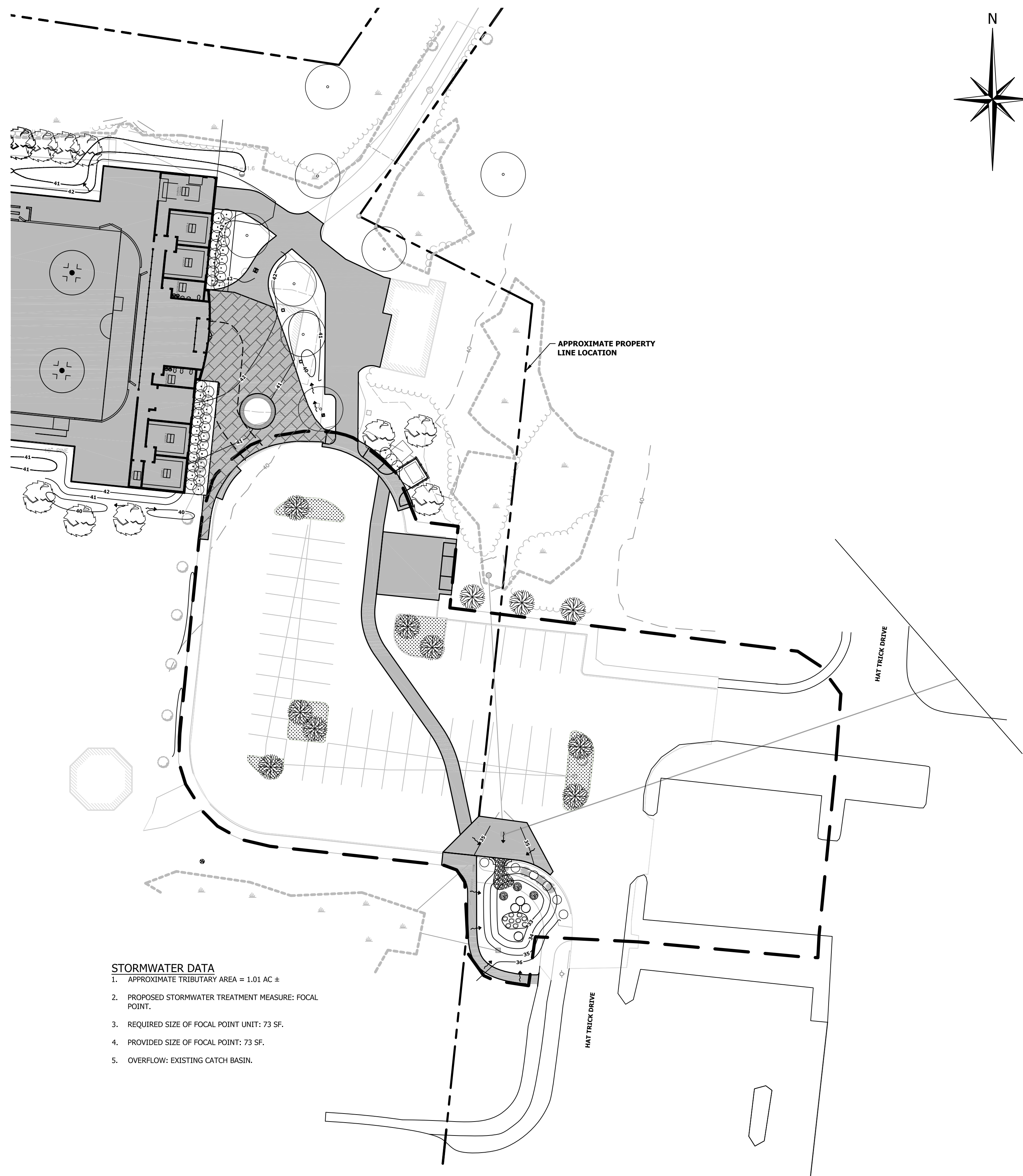
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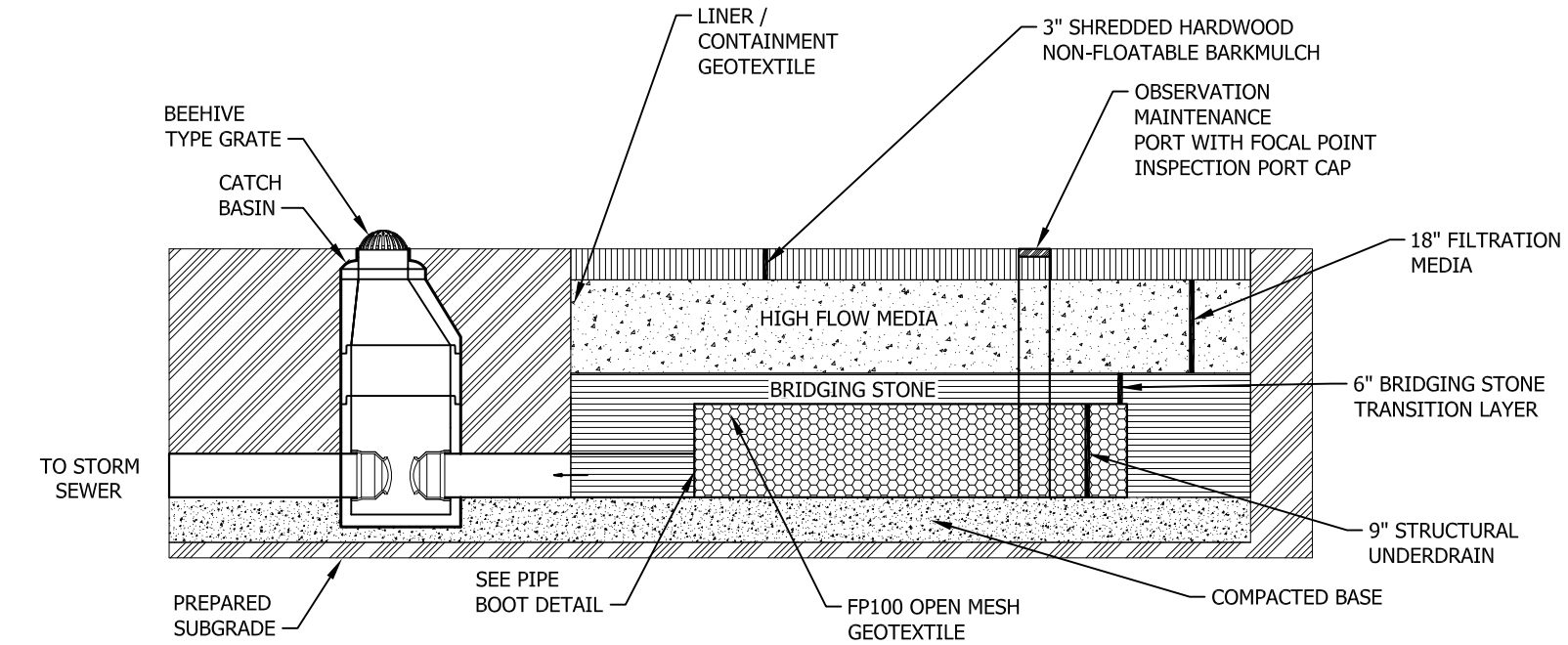
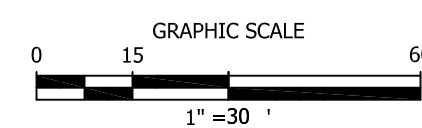
C7



STORMWATER DATA

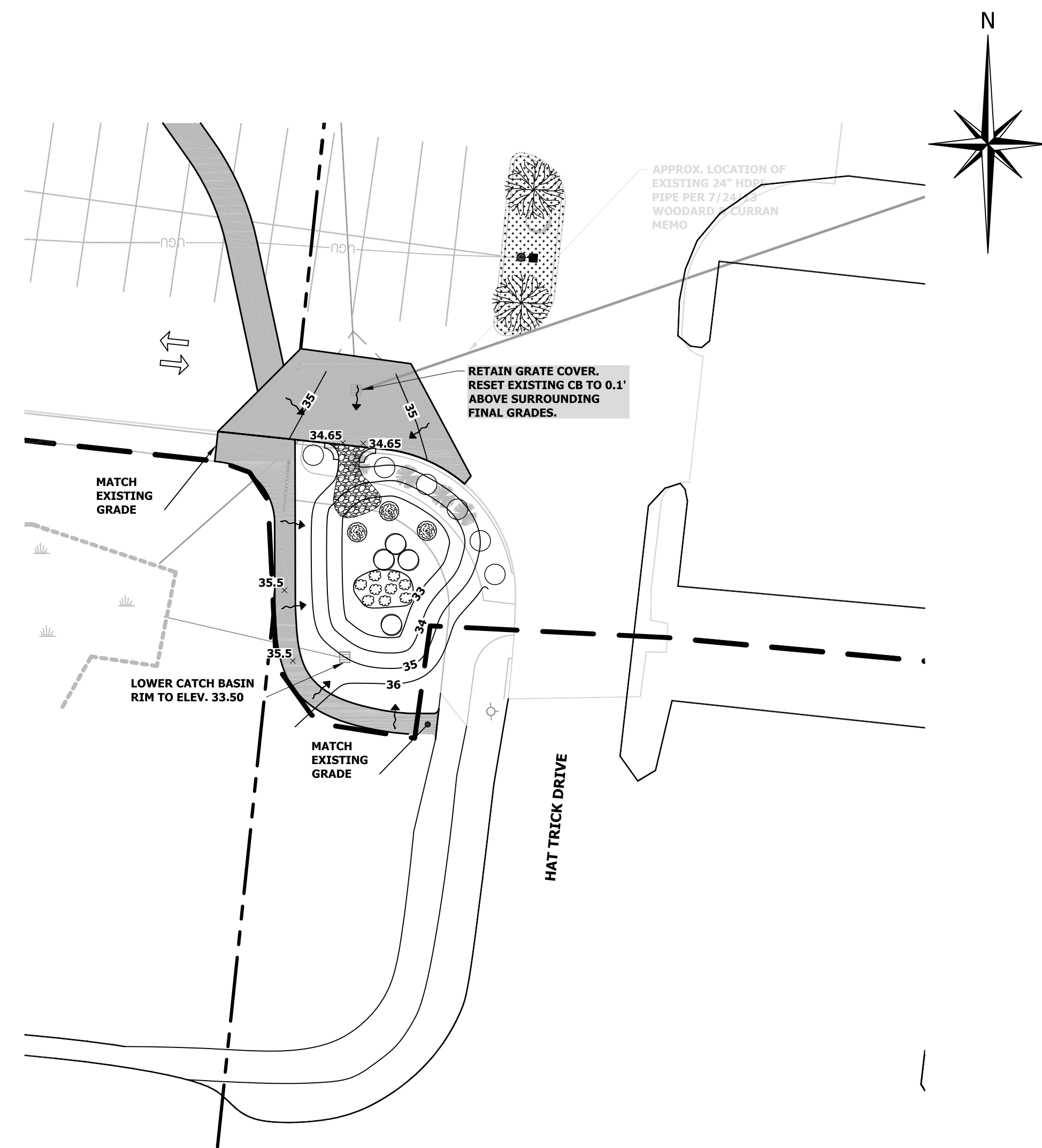
1. APPROXIMATE TRIBUTARY AREA = 1.01 AC ±
2. PROPOSED STORMWATER TREATMENT MEASURE: FOCAL POINT.
3. REQUIRED SIZE OF FOCAL POINT UNIT: 73 SF.
4. PROVIDED SIZE OF FOCAL POINT: 73 SF.
5. OVERFLOW: EXISTING CATCH BASIN.

WATERSHED PLAN

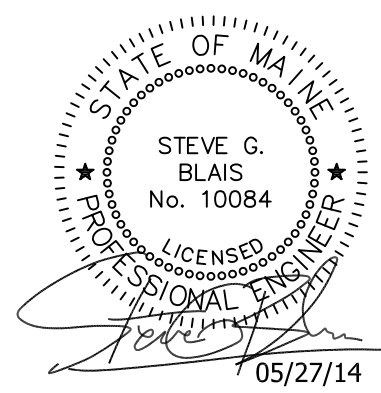
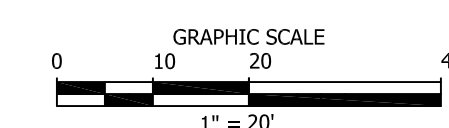


1 ESPLANADE BIOFILTER DETAIL

NOT TO SCALE



ESPLANADE BIOFILTER PLAN



CASCO BAY HOCKEY ASSOCIATION

RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

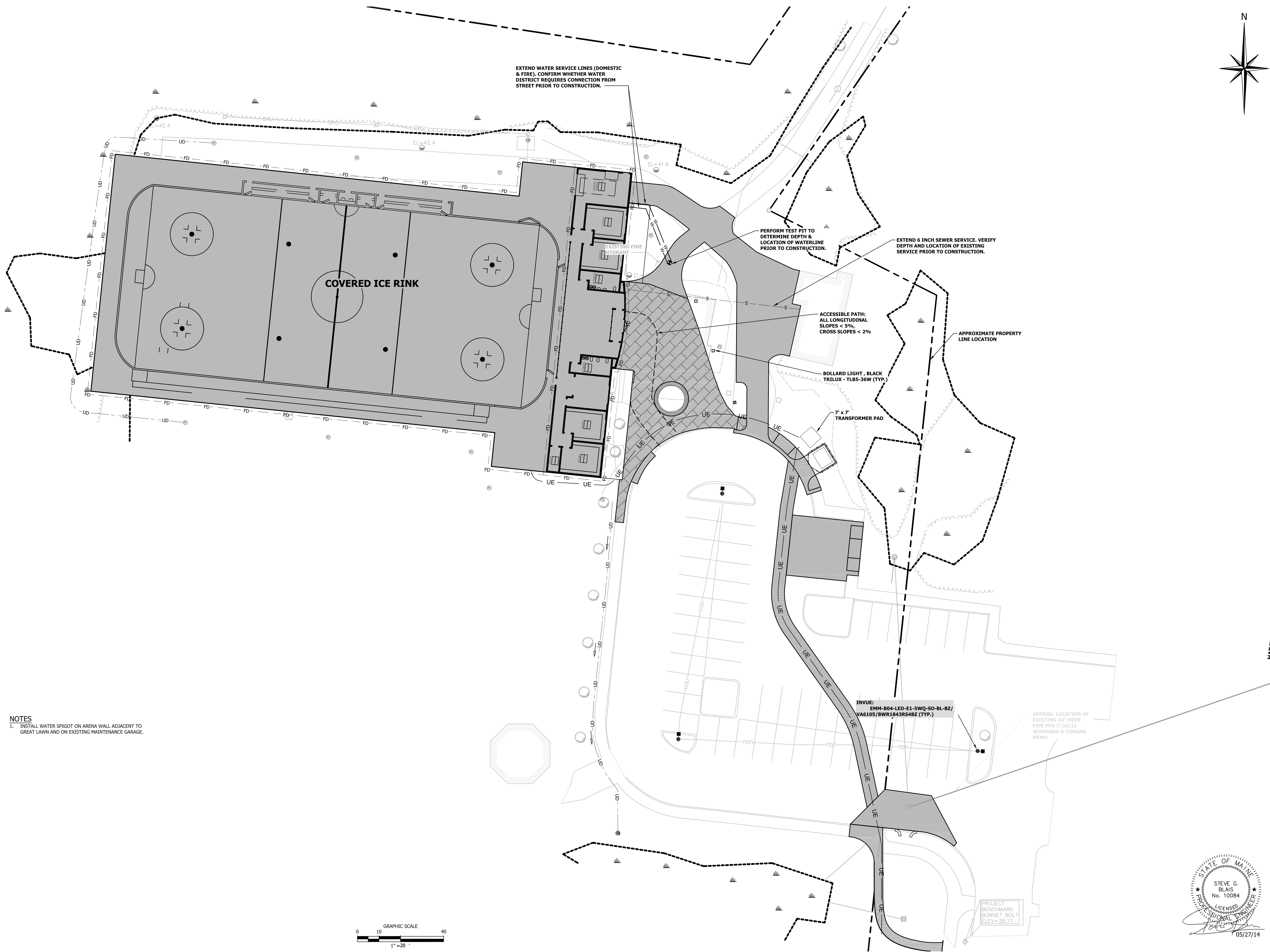
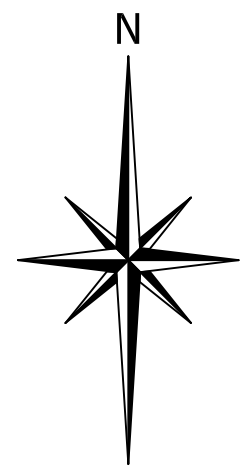
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1	PER TOWN COMMENTS	05/27/14

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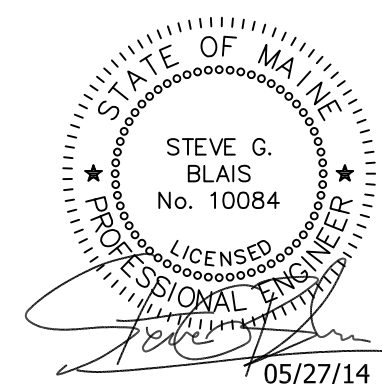
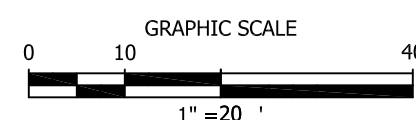
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date: MAY 27 2014
scale: As Noted
drawn: DRH
checked: SB

C8

STORMWATER TREATMENT PLAN



NOTES
1. INSTALL WATER SPIGOT ON ARENA WALL ADJACENT TO GREAT LAWN AND ON EXISTING MAINTENANCE GARAGE.



CASCO BAY HOCKEY ASSOCIATION
RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

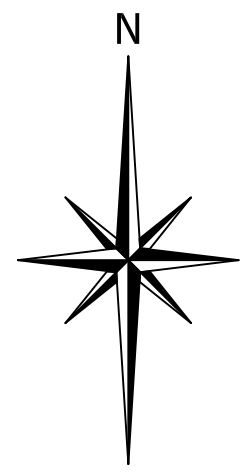
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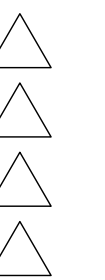
UTILITY PLAN



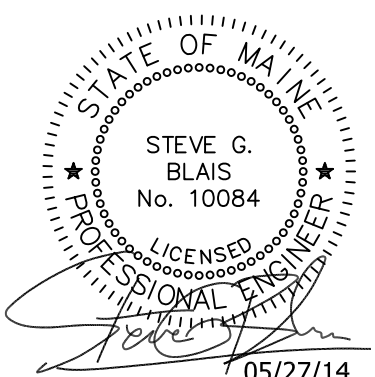
CASCO BAY HOCKEY ASSOCIATION
RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

No: Revision Date:

1 PER TOWN COMMENTS 05/27/14

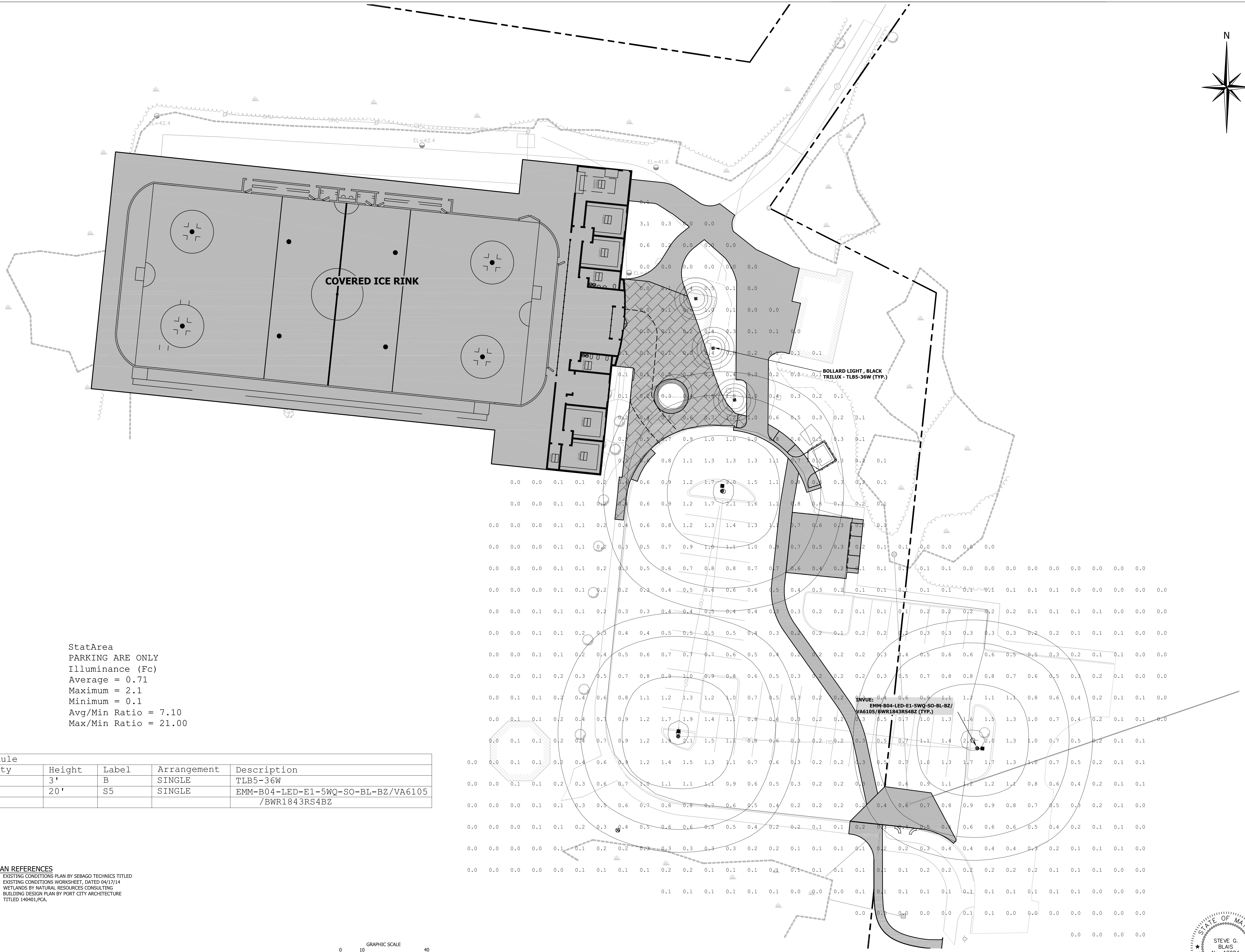


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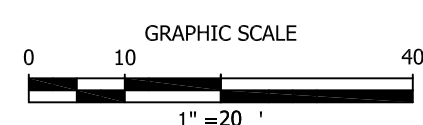
PHOTOMETRICS PLAN



StatArea
PARKING ARE ONLY
Illuminance (Fc)
Average = 0.71
Maximum = 2.1
Minimum = 0.1
Avg/Min Ratio = 7.10
Max/Min Ratio = 21.00

Luminaire Schedule					
Symbol	Qty	Height	Label	Arrangement	Description
	4	3'	B	SINGLE	TLB5-36W
	3	20'	S5	SINGLE	EMM-B04-LED-E1-5WQ-SO-BL-BZ/VA6105/BWR1843RS4BZ

- PLAN REFERENCES**
- EXISTING CONDITIONS PLAN BY SEBAGO TECHNICS TITLED EXISTING CONDITIONS WORKSHEET, DATED 04/17/14
 - WETLANDS BY NATURAL RESOURCES CONSULTING
 - BUILDING DESIGN PLAN BY PORT CITY ARCHITECTURE TITLED I40401.PCA.



EROSION CONTROL NOTES

1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST "MAINE EROSION AND SEDIMENT CONTROL BMPs" BY THE BUREAU OF LAND AND WATER QUALITY, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
2. THE CONTRACTOR SHALL ONLY DISTURB THE AREAS OF THE PROPOSED CONSTRUCTION AND GRADING. ANY DISTURBANCE OUTSIDE THESE LIMITS MUST BE APPROVED BY THE ENGINEER.
3. THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EMPLOYING EROSION CONTROL METHODS BEYOND THE CONTROLS SHOWN ON THE PLANS IN ORDER TO MEET THE ABOVE-REFERENCED DEP EROSION CONTROL STANDARDS.
4. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR RE-GRADING. ALL DISTURBED AREAS ON SITE NOT COVERED BY BUILDINGS OR DESIGNATED PARKING AREAS, DRIVEWAYS, OR SIDEWALKS SHALL BE STABILIZED WITH LOAM AND SEED OR OTHER METHODS AS REQUIRED/DESCRIBED IN THE MAINE DEP BMP STANDARDS.
5. PERMANENT SEEDING OR STABILIZATION SHALL BE PERFORMED IMMEDIATELY AFTER FINAL GRADING IS COMPLETED OR TEMPORARY MEASURES SHALL BE APPLIED SUCH AS MULCHING OR SEEDING UNTIL PERMANENT MEASURES ARE IN PLACE.
6. WITHIN 7 CALENDAR DAYS FOLLOWING THE COMPLETION OF ANY SOIL DISTURBANCE, AND PRIOR TO ANY STORM EVENT, MULCH MUST BE SPREAD ON ANY EXPOSED SOILS.
7. THE CONTRACTOR SHALL STABILIZE ANY SOIL STOCKPILES WHICH WILL REMAIN UNUSED FOR MORE THAN 7 DAYS, OR PRIOR TO A STORM EVENT.
8. ALL EROSION CONTROL DEVICES MUST BE CHECKED WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL TO MINIMIZE PONDING, DAMAGE, DETERIORATION OR UNDERMINING. ANY PROBLEMS SHALL BE REPAIRED IMMEDIATELY. TRAPPED SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO NO MORE THAN HALF THE ORIGINAL HEIGHT OF ANY BARRIER OR AS OTHERWISE SHOWN ON THE PLANS.
9. ALL TRAFFIC INTO AND OUT OF THE SITE SHALL BE OVER THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED PRIOR TO ANY HAUL TO OR FROM THE SITE.
10. LINEAR UTILITY CONSTRUCTION SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS AFTER BACKFILL AND NO MORE THAN 500 FEET SHALL BE OPEN AT ANY ONE TIME. WHERE CONSISTENT WITH JOB SAFETY REQUIREMENTS, ALL EXCAVATED MATERIALS SHALL BE PLACED ON THE UPHILL SIDES OF ALL TRENCHES. ALL TEMPORARY EARTH BERMS SHALL BE SEEDED AND MULCHED WITH TEMPORARY VEGETATION WITHIN 7 DAYS AFTER GRADING.
11. SEDIMENT BARRIERS MUST BE MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
12. EROSION CONTROL DEVICES (CHECK DAM, EROSION CONTROL BLANKET, SEDIMENT BARRIER, STABILIZED CONSTRUCTION ENTRANCE) SHALL BE REMOVED WITHIN 30 DAYS OF FINAL STABILIZATION.
13. SEEDED AREAS SHALL BE FERTILIZED AND RESEDED AS NECESSARY TO ENSURE VEGETATION IS ESTABLISHED.

WINTER CONSTRUCTION NOTES

THE WINTER CONSTRUCTION PERIOD IS FROM NOVEMBER 1 THROUGH APRIL 15. IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, A ROAD GRAVEL BASE, 75% MATURE VEGETATION COVER, OR RIPRAP BY NOVEMBER 15 THEN THE SITE NEED TO BE PROTECTED WITH OVER-WINTER STABILIZATION. AN AREA CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCHING, EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A ROAD. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME. LIMIT THE EXPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BE UNDER TAKEN DURING THE PROCEEDING 15 DAYS AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. ALL AREA SHALL BE CONSIDERED TO BE DENIED UNTIL THE SUBSIDE AREAS OR THE AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOADED, SEEDED, AND MULCHED. HAY AND STRAW MULCH RATES SHALL BE A MINIMUM OF 150 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 150 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 SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 100 FEET FROM ANY NATURAL RESOURCES.
2. NATURAL RESOURCES PROTECTION: ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 75 %%% 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. 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. SEDIMENT BARRIERS DURING FREEZING CONDITIONS: SEDIMENT BARRIERS SHALL CONSIST OF WOODWASTE FILTER BERMS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES AND SEDIMENT SILT FENCES.
4. MULCHING: ALL AREA SHALL BE CONSIDERED TO BE DENIED UNTIL AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOADED, SEEDED AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB. PER 1,000 SQUARE FEET (TWICE THE NORMAL ACCEPTED RATE OF 75LBS/1,000 S.F. OR 1.5 TONS/ACRE) 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. AFTER EACH DAY OF FINAL GRADING, THE AREA WILL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTROL MATTING. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1,000 SQUARE FEET (3TONS/ACRE) AND ADEQUATELY ANCHORED SO THAT 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, ASPHALT EMULSION CHEMICAL, TRACK OR WOOD CELLULOSE FIBER. WHEN GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH THEN COVER IS SUFFICIENT. AFTER NOVEMBER 1ST, MULCH AND ANCHORING OF ALL BARE SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORK DAY.
5. MULCHING ON SLOPES AND DITCHES: SLOPES SHALL NOT BE LEFT EXPOSED FOR AN EXTENDED TIME OF WORK SUSPENSION UNLESS FULLY MULCHED AND ANCHORED WITH PEG AND NETTING OR WITH EROSION CONTROL BLANKETS. MULCHING SHALL BE APPLIED AT A RATE OF 230 LBS/1,000 S.F. ON ALL SLOPES GREATER THAN 8 %%%. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%. EROSION CONTROL BLANKETS SHALL BE USED IN LIEU OF MULCH IN ALL DRAINAGE WAYS WITH SLOPES OF 8%. EROSION CONTROL MIX CAN BE USED TO SUBSTITUTE EROSION CONTROL BLANKETS ON ALL SLOPES EXCEPT DITCHES.
6. 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 AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOOSED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE PERMANENTLY SEED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. DORMANT SEEDING MAY BE SELECTED TO 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. SITE AREAS SUFFICIENTLY VEGETATED (LESS THAN 75 %%% CATCH) SHALL BE REVEGETATED BY REPLACING LOAM, SEED AND MULCH. IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL DISTURBED AREAS SHALL BE REVEGETATED IN THE SPRING.
7. TRENCH DEWATERING AND TEMPORARY STREAM DIVERSION: WATER FROM CONSTRUCTION TRENCH DEWATERING OR TEMPORARY STREAM DIVERSIONS 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.
8. INSPECTION AND MONITORING: MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. AFTER EACH RAINFALL, SNOW STORM 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. FOLLOWING THE TEMPORARY AND OR FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL IN THE SPRING INSPECT AND REPAIR ANY DAMAGES AND/OR UNESTABLISHED SPOTS. ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 85 TO 90% OF AREAS VEGETATED WITH VIGOROUS GROWTH.

STANDARDS FOR TIMELY STABILIZATION OF SITES DURING WINTER CONSTRUCTION:

1. STANDARD FOR THE TIMELY STABILIZATION OF DITCHES AND CHANNELS THE APPLICANT WILL CONSTRUCT AND STABILIZE ALL STONE-LINED DITCHES AND CHANNELS ON THE SITE BY NOVEMBER 15. THE APPLICANT WILL CONSTRUCT AND STABILIZE ALL GRASS-LINED DITCHES AND CHANNELS ON THE SITE BY SEPTEMBER 15. IF THE APPLICANT FAILS TO STABILIZE A DITCH OR CHANNEL TO BE GRASS-LINED BY SEPTEMBER 15, THEN THE APPLICANT WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE DITCH FOR LATE FALL AND WINTER. -- THE APPLICANT WILL LINE THE INSTALL A SOD LINING IN THE DITCH WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT PINNING THE SOD ONTO THE DISTURBED 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. -- THE APPLICANT WILL LINE THE INSTALL A STONE LINING IN THE DITCH WITH STONE RIPRAP BY NOVEMBER 15. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES WITHIN THE DITCH. IF NECESSARY, THE APPLICANT WILL REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING TO PREVENT THE STONE LINING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.
2. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES THE APPLICANT WILL CONSTRUCT AND STABILIZE STONE-COVERED SLOPES BY NOVEMBER 15. THE APPLICANT WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15. THE DEPARTMENT WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 15% (10H:1V) TO BE A SLOPE. IF THE APPLICANT FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY SEPTEMBER 15, 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 -- BY OCTOBER 1 THE APPLICANT WILL SEED THE CONTROL MATS 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. 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 75% OF THE DISTURBED SLOPE BY NOVEMBER 1, THEN THE APPLICANT WILL COVER THE SLOPE WITH A LAYER OF WOODWASTE COMPOST AS DESCRIBED IN ITEM III OF THIS CONDITION OR WITH STONE RIPRAP AS DESCRIBED IN ITEM IV OF THIS CONDITION. -- THE APPLICANT WILL STABILIZE THE STABILIZE THE SLOPE WITH SOD DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT 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. THE APPLICANT WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (2H:1V). STABILIZE THE SLOPE WITH WOODWASTE COMPOST WILL PLACE A SIX-INCH LAYER OF WOODWASTE COMPOST ON THE SLOPE BY NOVEMBER 15. PRIOR TO PLACING THE WOODWASTE COMPOST, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. THE APPLICANT WILL NOT USE WOODWASTE COMPOST TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE. -- THE APPLICANT WILL STABILIZE THE SLOPE WITH STONE RIPRAP PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE APPLICANT WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.
3. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS BY SEPTEMBER 15 THE APPLICANT WILL SEED AND MULCH ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15%. IF THE APPLICANT FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE APPLICANT WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER. STABILIZE THE SOIL WITH TEMPORARY VEGETATION THE APPLICANT WILL 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. 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 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 15, THEN THE APPLICANT WILL MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM III OF THIS STANDARD. STABILIZE THE SOIL WITH SOD DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT 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 WITH MULCH WITH 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. PRIOR TO APPLYING THE MULCH, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. IMMEDIATELY AFTER APPLYING THE MULCH, THE APPLICANT WILL ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

EROSION CONTROL SEEDING NOTES

SEEDING:

1. USE PERMANENT SEED MIXES AND TATES BETWEEN 5/15 AND 9/30.
2. USE TEMPORARY SEED MIXES FOR PERIODS LESS THAN 12 MONTHS. IF USING TEMPORARY SEED MIXES AND RATES BETWEEN 10/1 AND 5/14, RE-SEED WITH PERMANENT SEED MIX AFTER 5/15.

PERMANENT SEED:

MDO7 21703(a) METHOD NUMBER 3

TEMPORARY SEED:

DATS	80.00	LBS/ACRE	4/01-5/14
ANNUAL RYEGRASS	40.00	LBS/ACRE	5/15-8/14
SUDANGRASS	40.00	LBS/ACRE	5/15-8/14
ANNUAL RYEGRASS	80.00	LBS/ACRE	5/15-8/14
WINTER RYE	112.00	LBS/ACRE	9/15-9/30
WINTER RYE (PROTECT WITH MULCH COVER)	112.00	LBS/ACRE	10/01-3/31

LIME AND FERTILIZER:

LIMING AND FERTILIZER RATES WILL BE BASED ON FIELD SOIL TESTING OF ON-SITE TOPSOILS BY A CERTIFIED LABORATORY. SUBMIT TEST RESULTS TO THE ENGINEER.

MULCH:

STRAW OR HAY (ANCHORED)	
PROTECTED AREAS	70-90 LBS
STRAW OR HAY (ANCHORED)	
WINDY AREAS	185-275 LBS
SHREDED OR CHOPPED	185-275 LBS
JUTE MESH	AS REQUIRED
MODERATE TO HIGH VELOCITY AREAS & STEEP SLOPES	AS REQUIRED
EXCELISOR MAT	AS REQUIRED

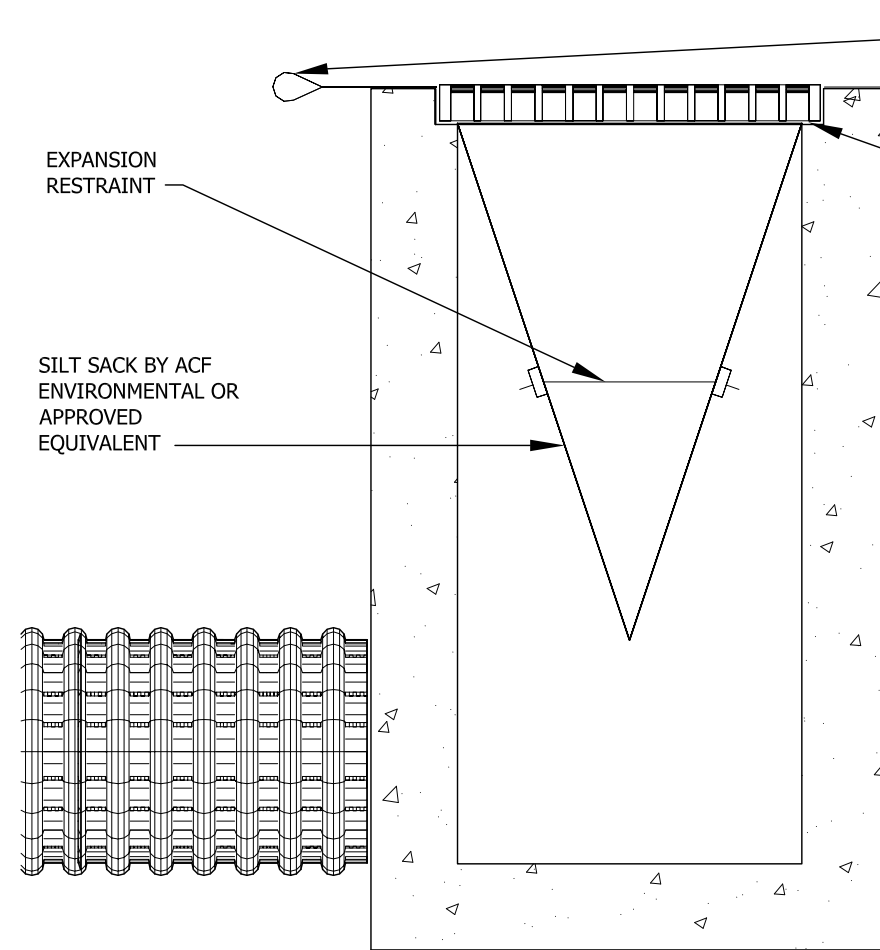
MULCH ANCHORING:

PEG AND TWINE	LIQUID ASPHALT
MULCH NETTING	WOOD CELLULOSE FIBER
ASPHALT EMULSION CHEMICAL TACK	

1. ALL FINAL SEEDING SHALL BE COMPLETED WITHIN SEVEN (7) DAYS FOLLOWING FINAL GRADING.
2. A CONSERVATION SEED MIX SHALL BE USED FOR ALL SEEDING.
3. ALL AREAS SHALL BE MULCHED IMMEDIATELY AFTER SEEDING. THE CONTRACTOR SHALL MONITOR THE MULCH PERFORMANCE AND, IF MULCHING PROVES TO BE INEFFECTIVE, THEN NETTING AND MATTING SHALL BE USED IN ITS PLACE.
4. SEEDING SHALL BE PERFORMED BETWEEN APRIL 15TH AND OCTOBER 1ST (WITHOUT DORMANT SEEDING).
5. IF SEEDING IS APPROVED BY THE ENGINEER BEYOND THOSE DATES, DORMANT SEEDING SHALL BE APPLIED AT DOUBLE THE APPLICATION RATE. IN THIS CASE, ALL FERTILIZING, SEEDING AND MULCHING SHALL BE COMPLETED ON THE SAME DAY IMMEDIATELY AFTER THE LOAM IS SPREAD. FINAL GRADING SHALL BE LIMITED TO AREAS WHICH CAN BE COMPLETED AND SEEDED THE SAME DAY.

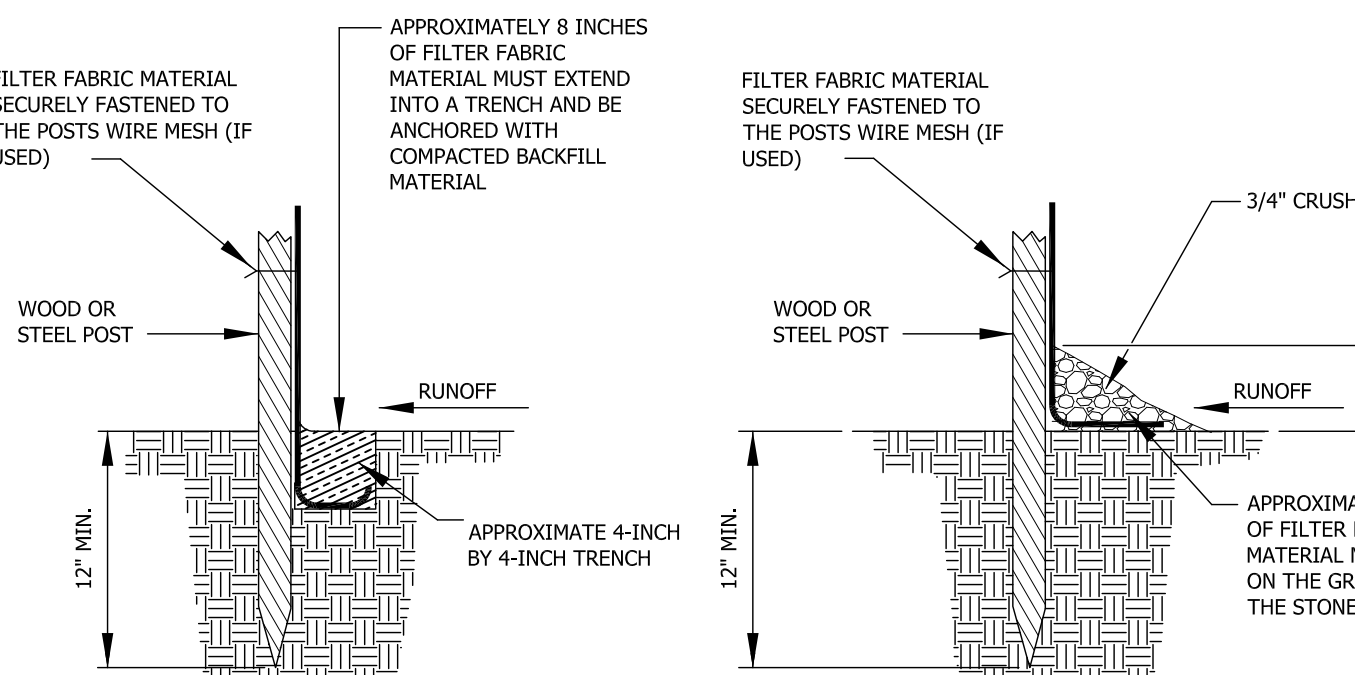
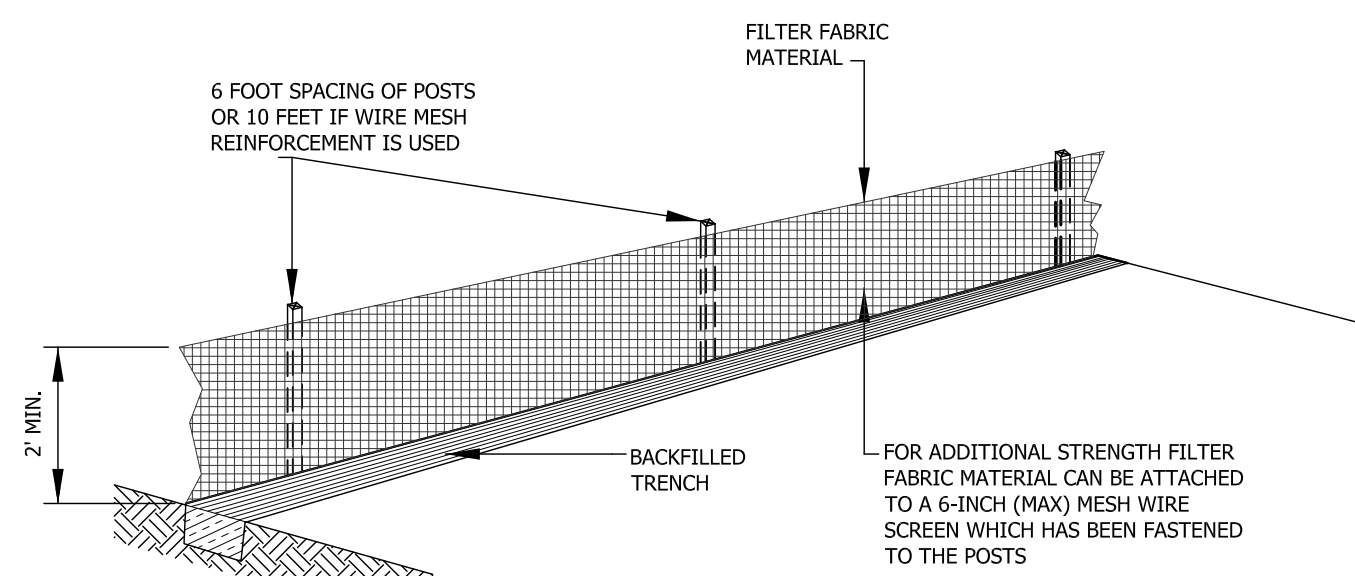
CONSTRUCTION OVERSIGHT REQUIRED FOR MDEP BMPs:

1. BASIC STANDARDS - EROSION CONTROL MEASURES: MINIMUM EROSION CONTROL MEASURES WILL NEED TO BE IMPLEMENTED AND THE APPLICANT WILL BE RESPONSIBLE TO MAINTAIN ALL COMPONENTS OF THE EROSION CONTROL PLAN UNTIL THE SITE IS FULLY STABILIZED. HOWEVER, BASED ON SITE AND WEATHER CONDITIONS DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY NEED TO BE IMPLEMENTED. ALL AREAS OF INSTABILITY AND EROSION MUST BE REPAIRED IMMEDIATELY DURING CONSTRUCTION AND NEED TO BE MAINTAINED UNTIL THE SITE IS FULLY STABILIZED OR VEGETATION IS ESTABLISHED. A CONSTRUCTION LOG MUST BE MAINTAINED FOR THE EROSION AND SEDIMENTATION CONTROL, INSPECTIONS AND MAINTENANCE. THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES AS PUBLISHED IN 1991 BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS BEEN CHANGED TO THE "MAINE EROSION AND SEDIMENT CONTROL BMPs" PUBLISHED BY THE MAINE DEP IN 2003. ALL REFERENCES SHOULD BE CHANGED TO THE NEW MANUAL. HTTP://WWW.MAINE.GOV/DEP/BLWQ/DOCSTAND/ESCBMPs/INDEX.HTM
2. DEWATERING: A DEWATERING PLAN IS NEEDED TO ADDRESS EXCAVATION DE-WATERING FOLLOWING HEAVY RAINFALL EVENTS OR WHERE THE EXCAVATION MAY INTERCEPT THE GROUNDWATER TABLE DURING CONSTRUCTION. THE COLLECTED WATER NEEDS TREATMENT AND A DISCHARGE POINT THAT WILL NOT CAUSE DOWNGRADE EROSION AND OFFSITE SEDIMENTATION OR WITHIN A RESOURCE. PLEASE FOLLOW THE DETAILS OF SUCH A PLAN.

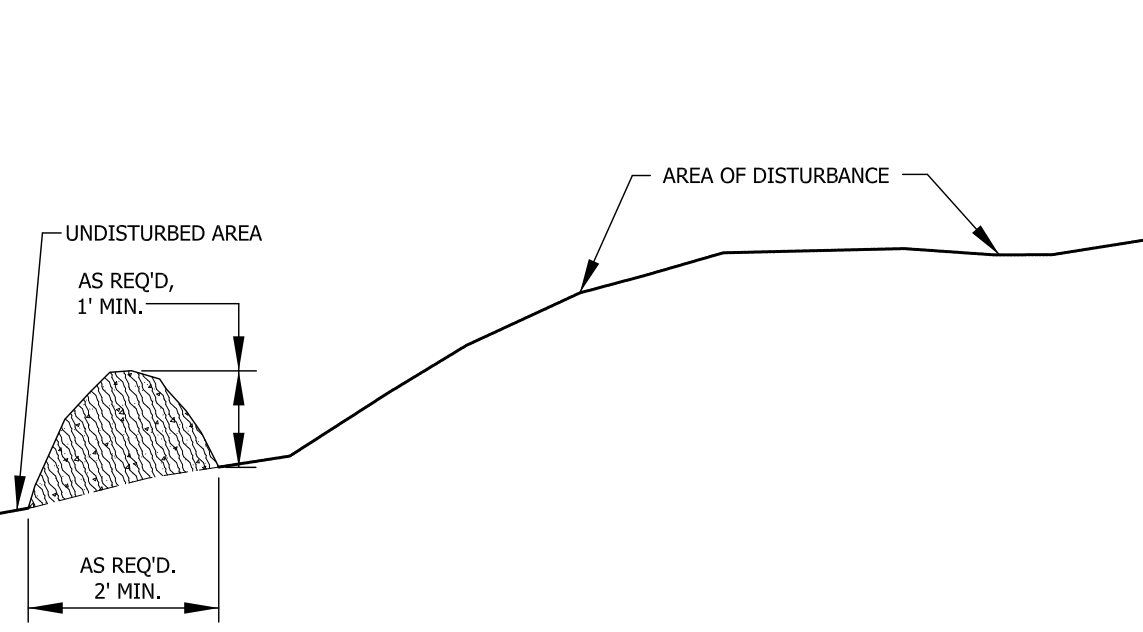


- NOTES:
1. INSTALL SILTSACKS PER MANUFACTURERS' RECOMMENDATIONS.
 2. SILTSACKS SHALL BE CHECKED FOR SEDIMENT LEVEL AND OVERALL CONDITION IMMEDIATELY AFTER EVERY RAIN EVENT AND AT LEAST EVERY DAY DURING PROLONGED RAINFALL.
 3. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE SILTSACK. REMOVED SEDIMENT SHALL BE DISPOSED IN A SUITABLE AREA AND IN SUCH A MANNER THAT WILL NOT ERODE.
 4. SEDIMENT SHALL ONLY BE REMOVED BY REMOVING THE SILTSACKS FROM THE CATCH BASINS ACCORDING TO MANUFACTURER RECOMMENDATIONS.
 5. CARE SHALL BE TAKEN TO AVOID SPILLING SEDIMENT WHILE REMOVING THE SILTSACK.
 6. ANY DAMAGED SILTSACK SHALL BE REPLACED WITH A NEW SILTSACK.

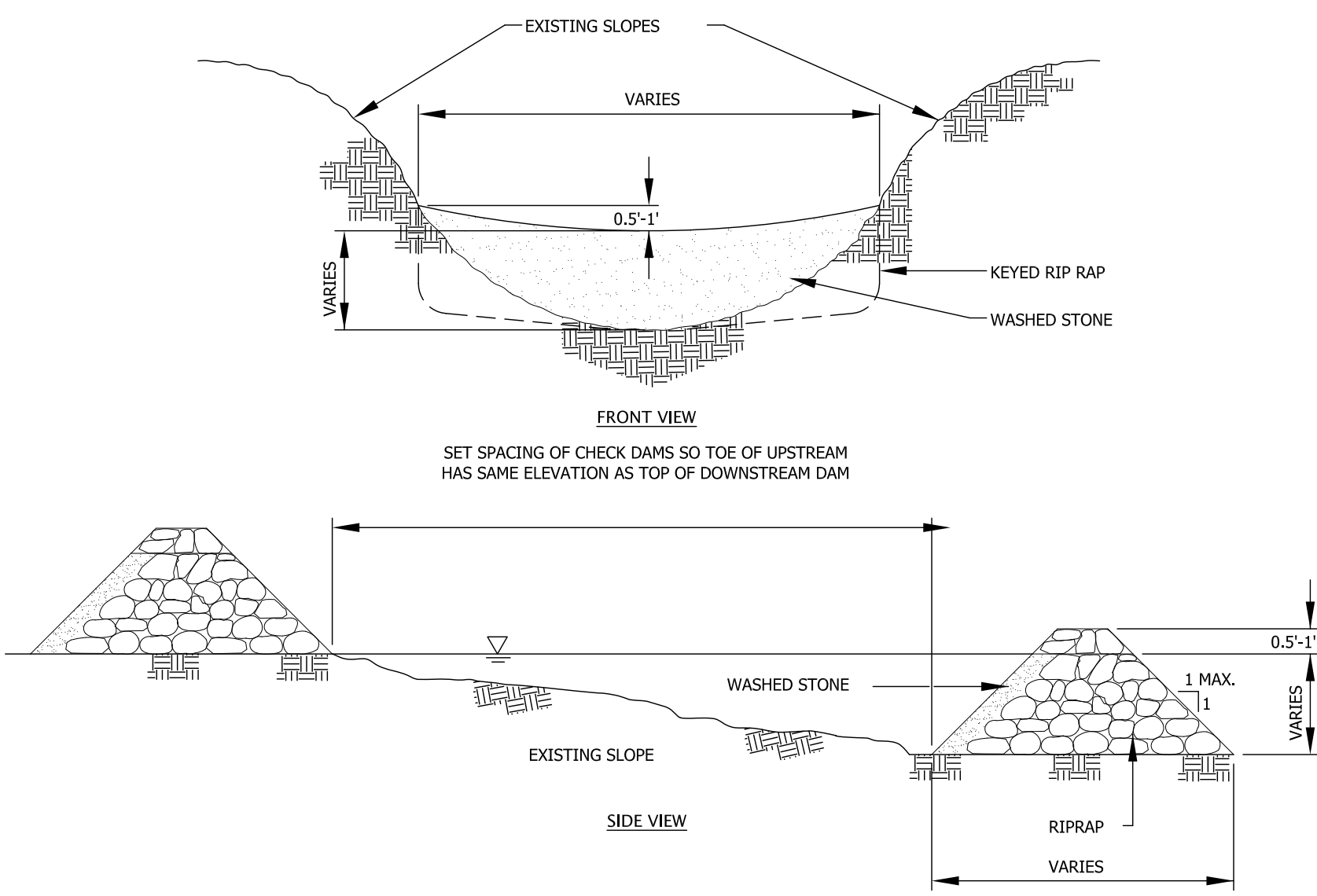
1 INLET PROTECTION - SILT SACK NOT TO SCALE



3 SEDIMENT BARRIER DETAIL - SILT FENCE OPTION NOT TO SCALE

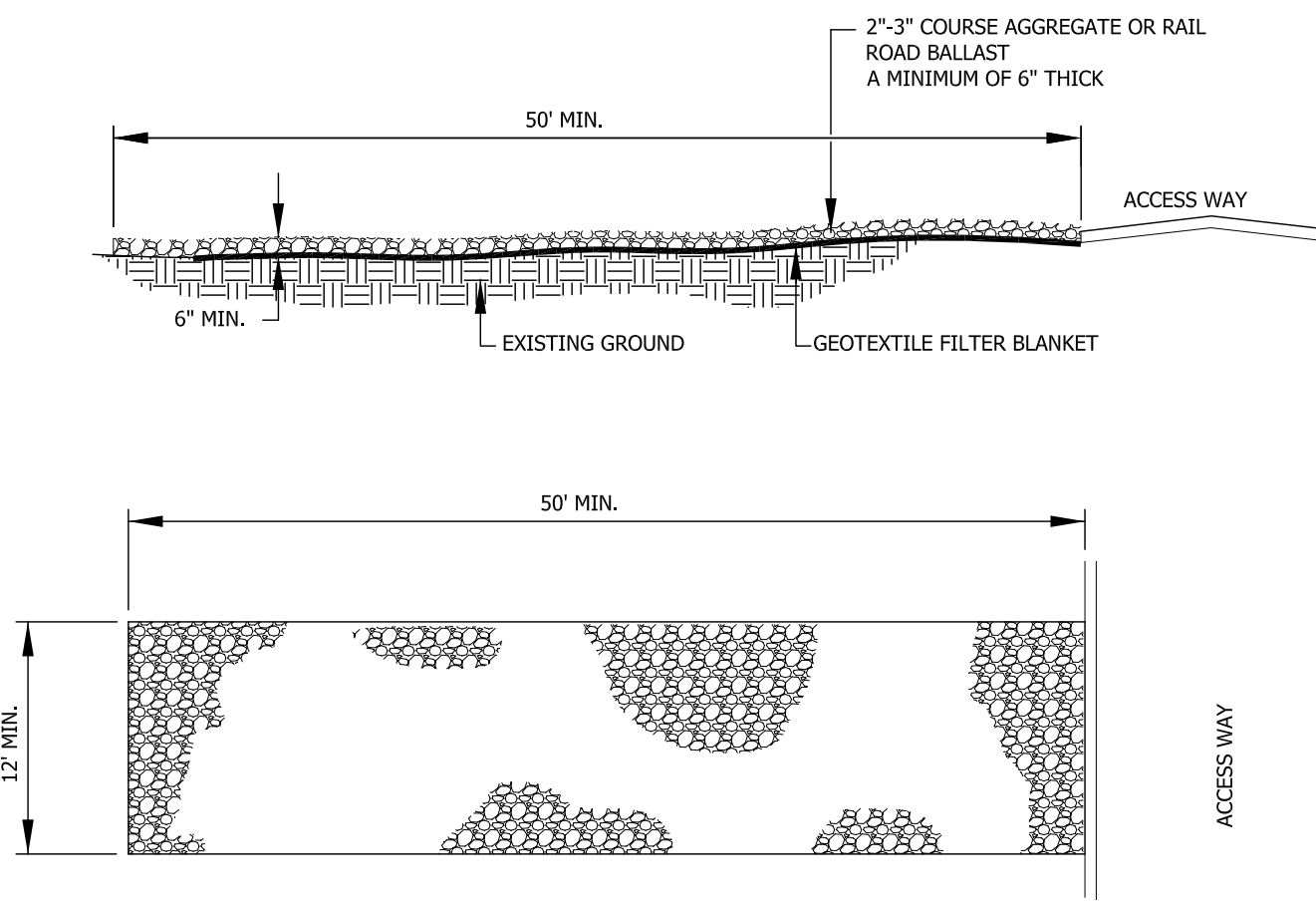


5 SEDIMENT BARRIER DETAIL - EROSION CONTROL MIX BERM OPTION NOT TO SCALE



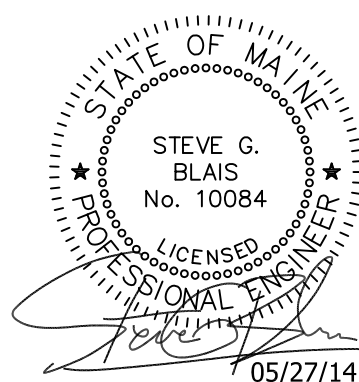
- NOTES:
1. STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
 2. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
 3. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
 4. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.
 5. AT THE CONCLUSION OF THE PROJECT WHEN FINAL GRADES HAVE BEEN ESTABLISHED/STABILIZED ALL CHECK DAM AND SEDIMENT MATERIALS SHALL BE REMOVED.

2 TEMPORARY CHECK DAM DETAIL NOT TO SCALE

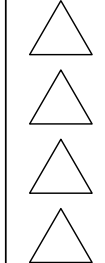


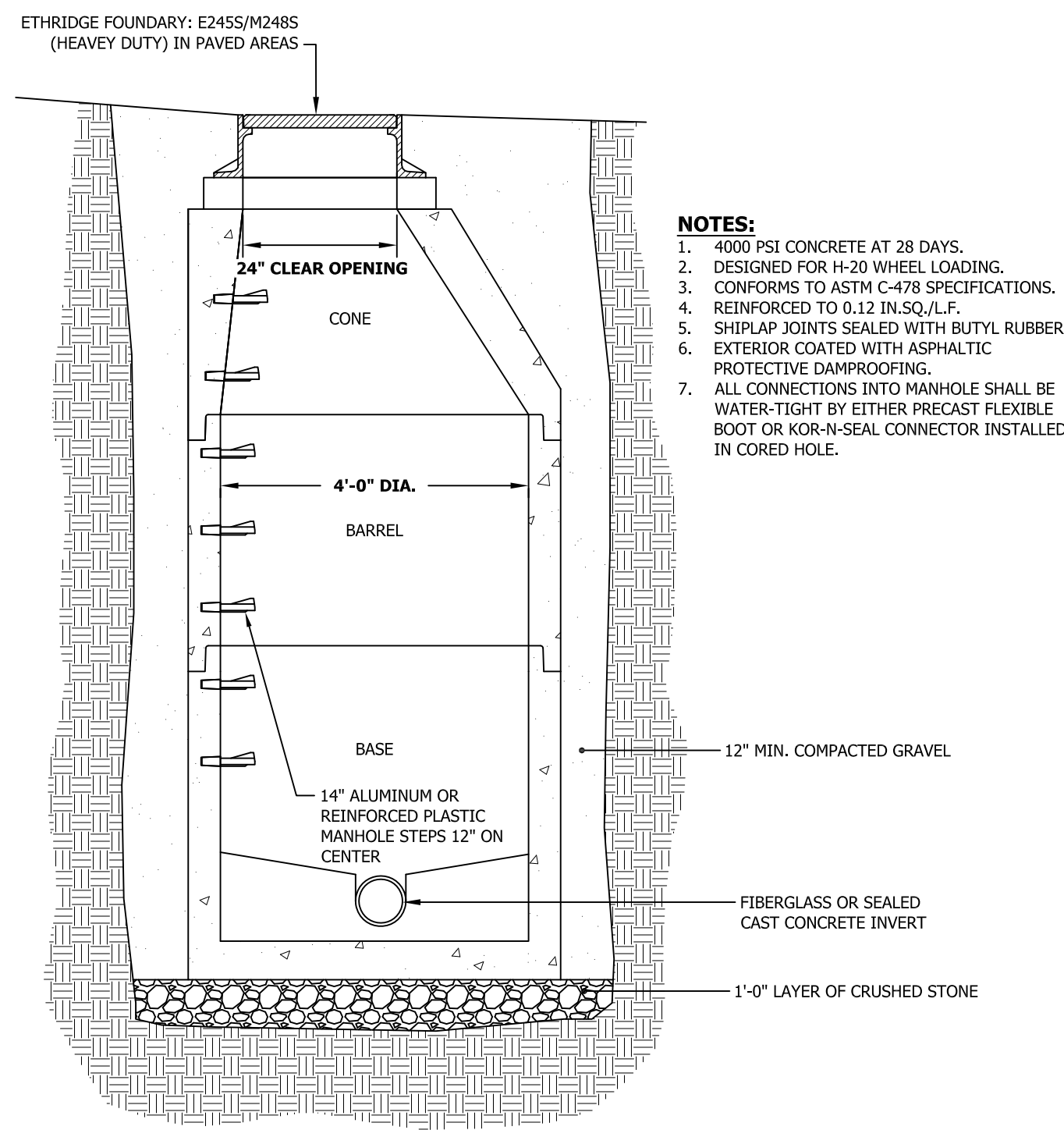
- NOTES:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. MAXIMUM SEDIMENT BUILD-UP: 9 INCHES.
 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE EFFICIENCY. DO NOT PLACE SILT FENCE IN STREAMS OR IN CONCENTRATED FLOW CONDITIONS.
1. THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE THE CONSTRUCTION SITE ONTO A PUBLIC STREET.
2. FILTER FABRIC OR COMPACTED CRUSHER RUN STONE SHALL BE USED AS A BASE FOR THE CONSTRUCTION ENTRANCE.
3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS WARRANT AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
4. ANY SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY.
5. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ORDER TO TRAP AND STABILIZE ANY SEDIMENT THAT RUNS OFF OF THE STABILIZED CONSTRUCTION ENTRANCE.
6. WHEN APPROPRIATE, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET.
7. WHEN WASHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

4 STABILIZED CONSTRUCTION ENTRANCE DETAIL NOT TO SCALE

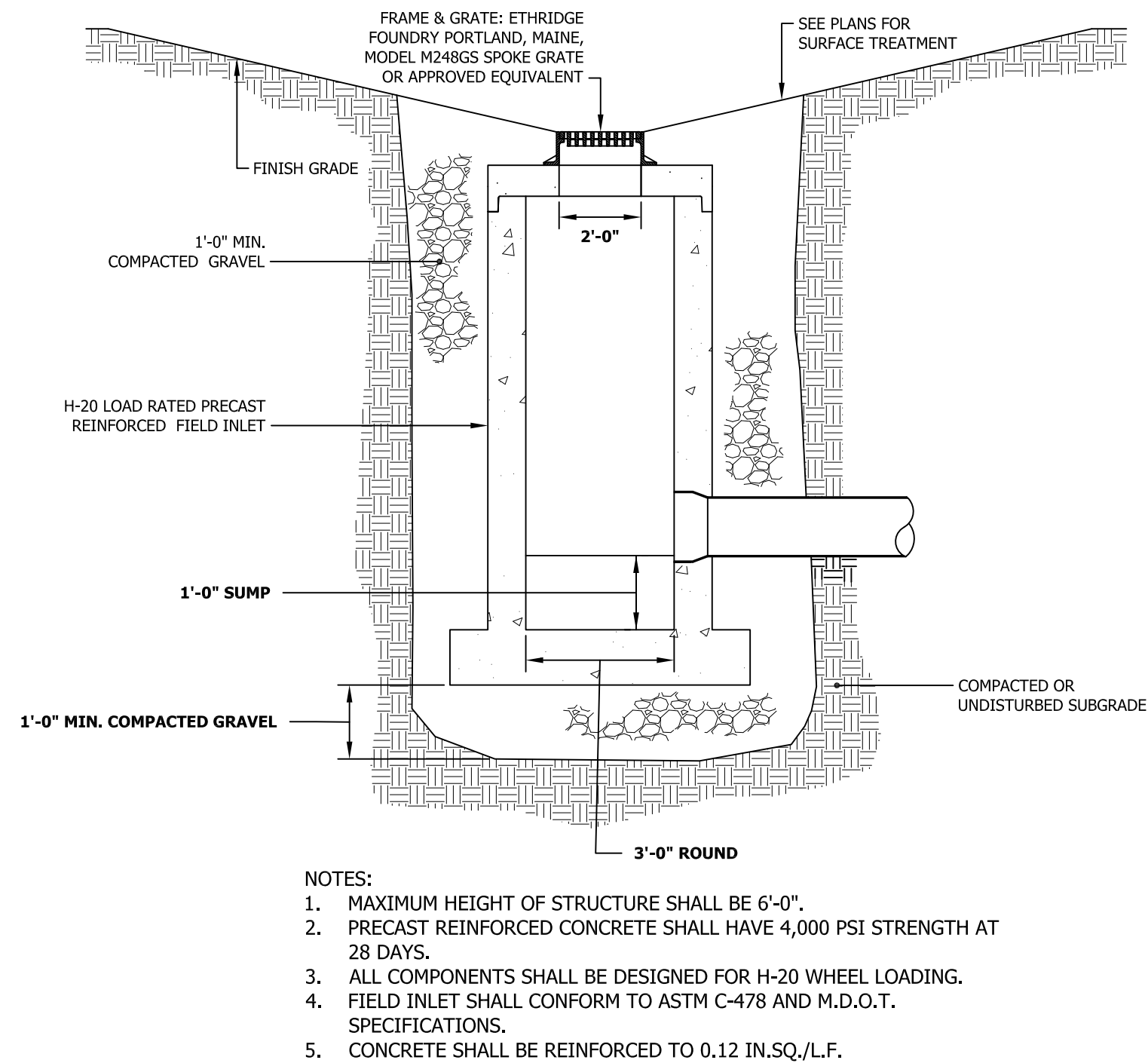


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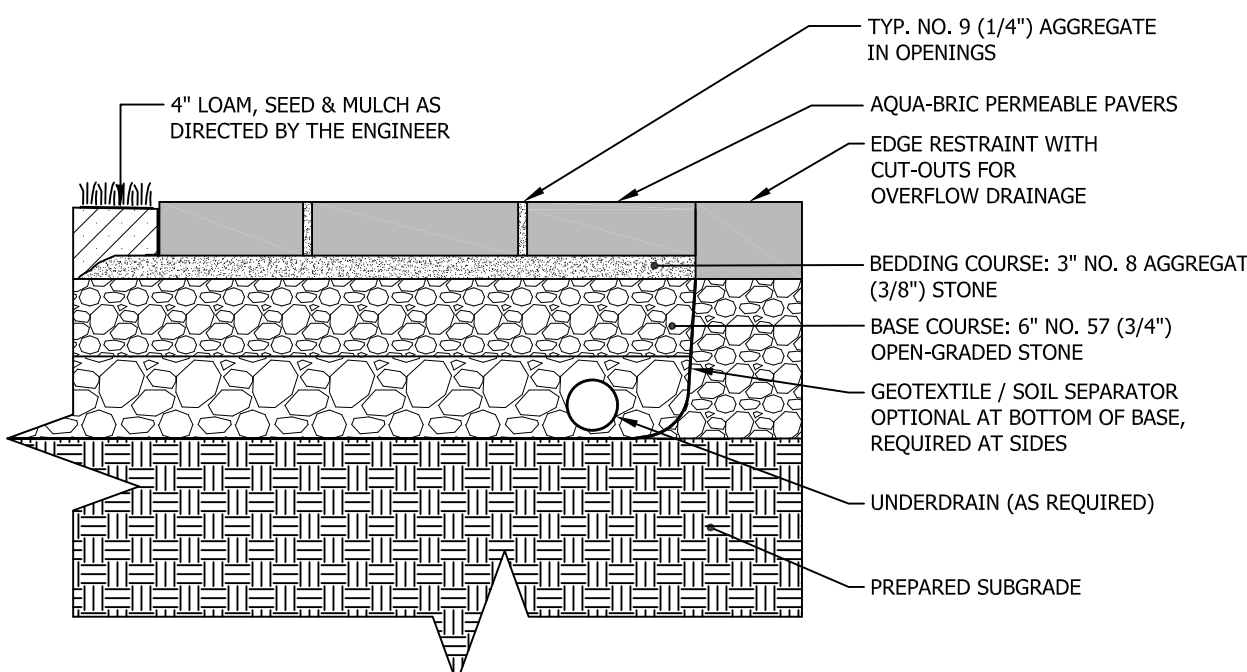




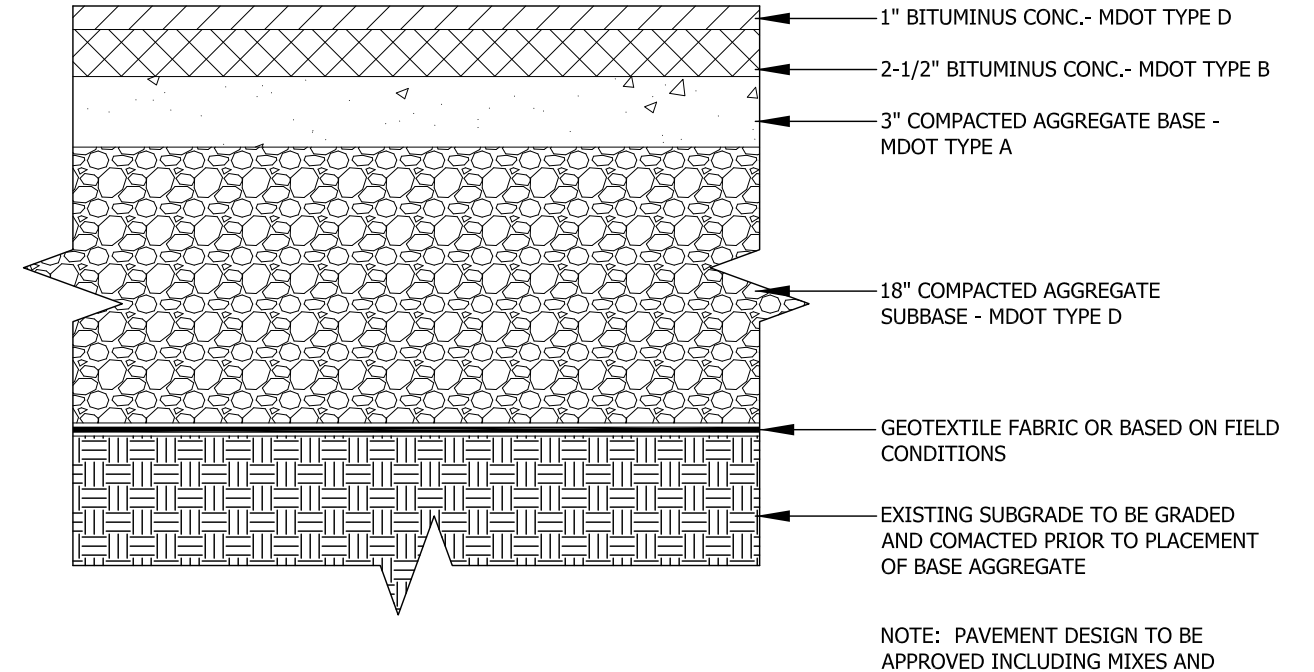
1 PRECAST MANHOLE DETAIL
NOT TO SCALE



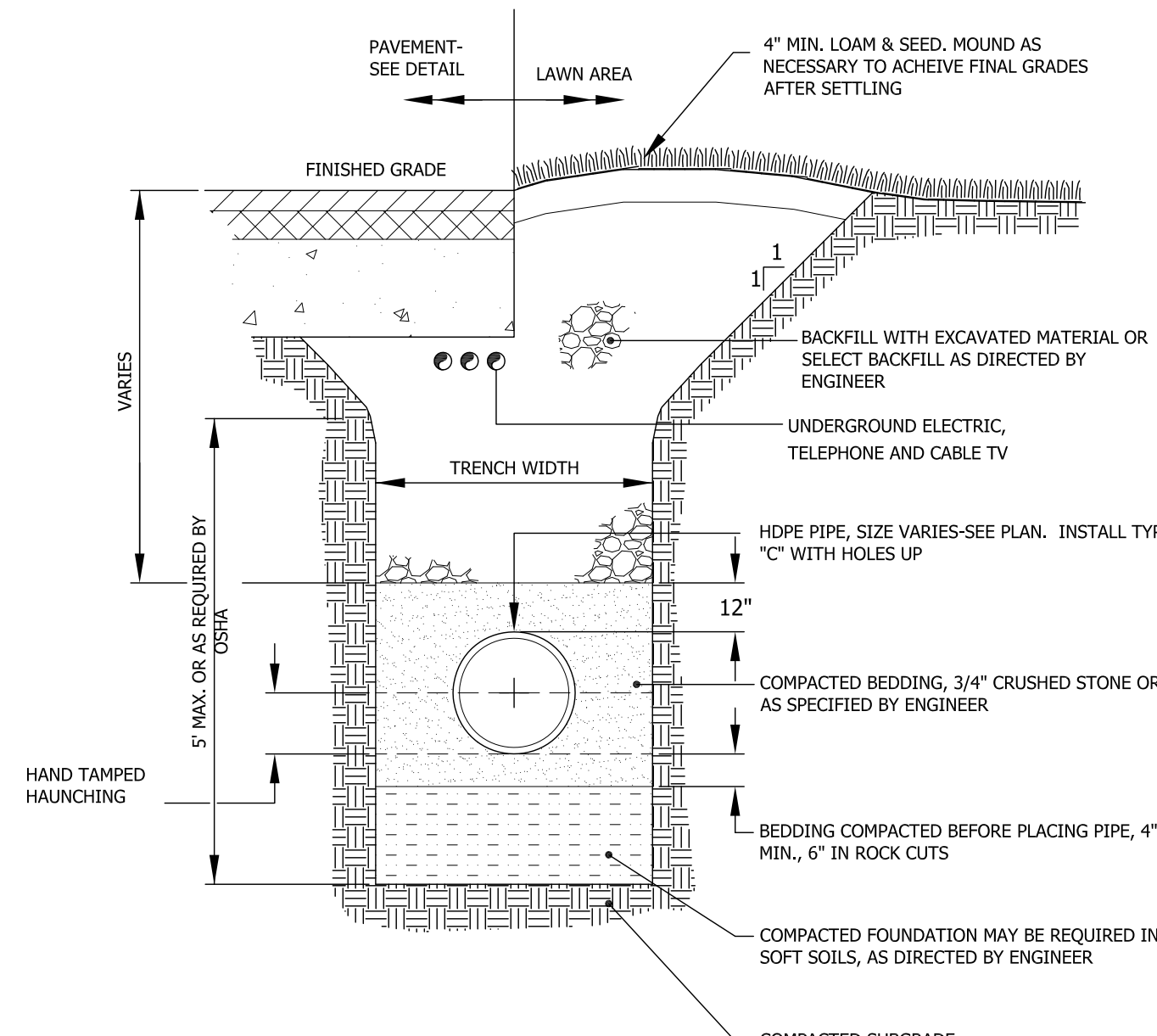
2 FIELD INLET (FI) DETAIL
NOT TO SCALE



3 CONCRETE PAVER DETAIL
NOT TO SCALE



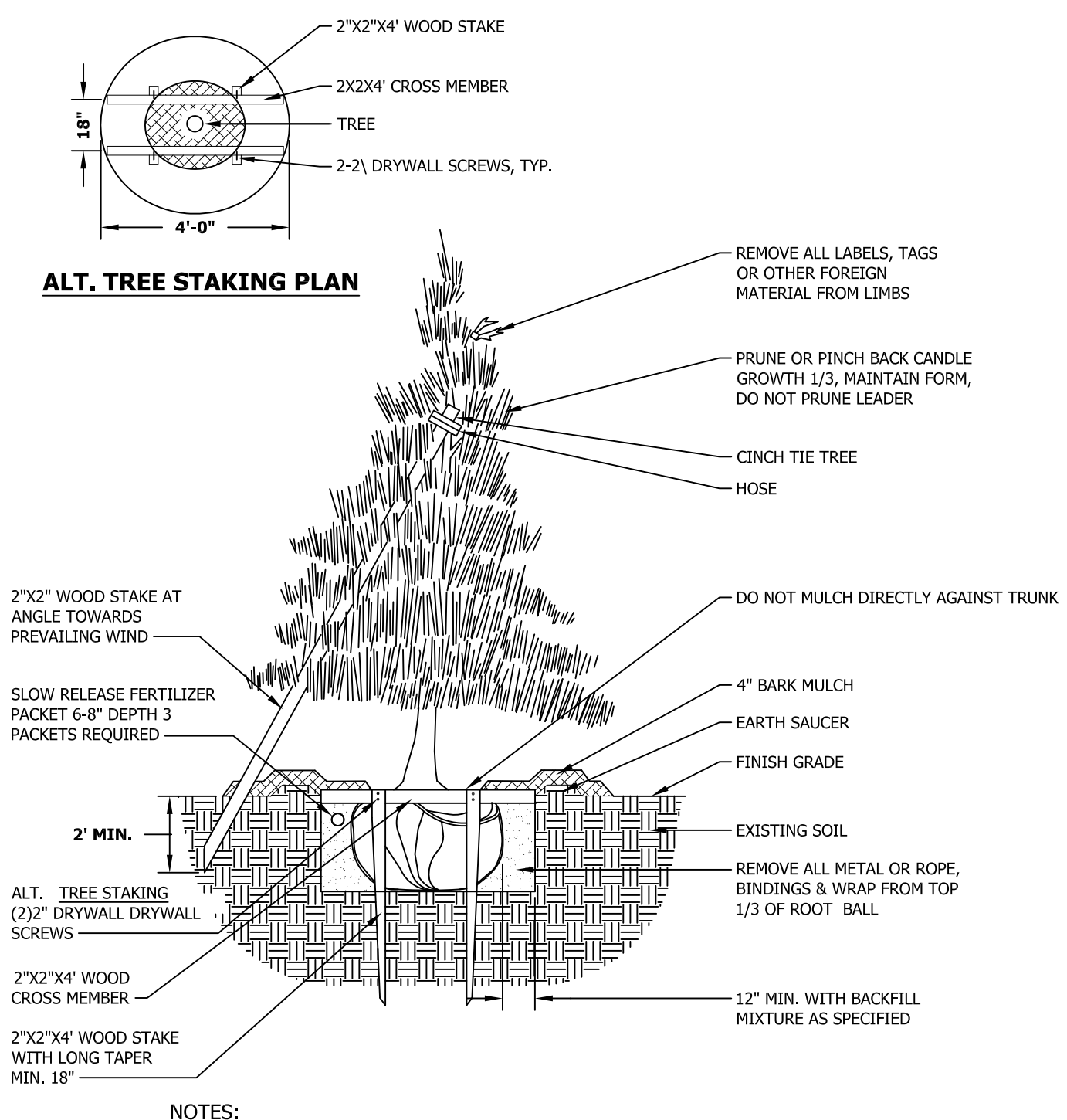
4 NEW PAVEMENT DETAIL
NOT TO SCALE



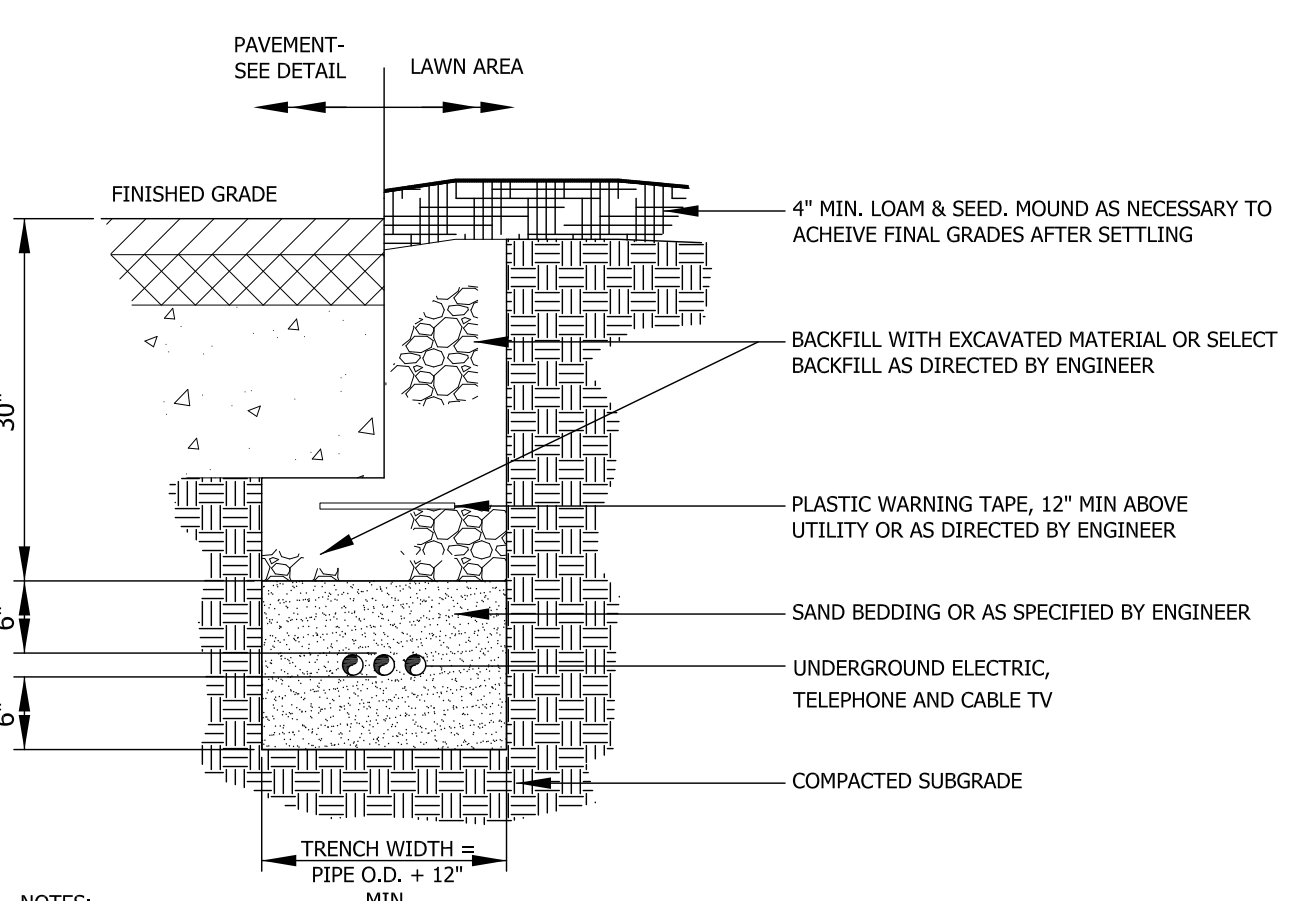
MINIMUM TRENCH WIDTHS

PIPE DIA.	PIPE O.D.	TRENCH WIDTH
12"	14.45"	31"
15"	17.65"	34"
18"	21.10"	39"
24"	28.30"	48"
30"	36.10"	66"

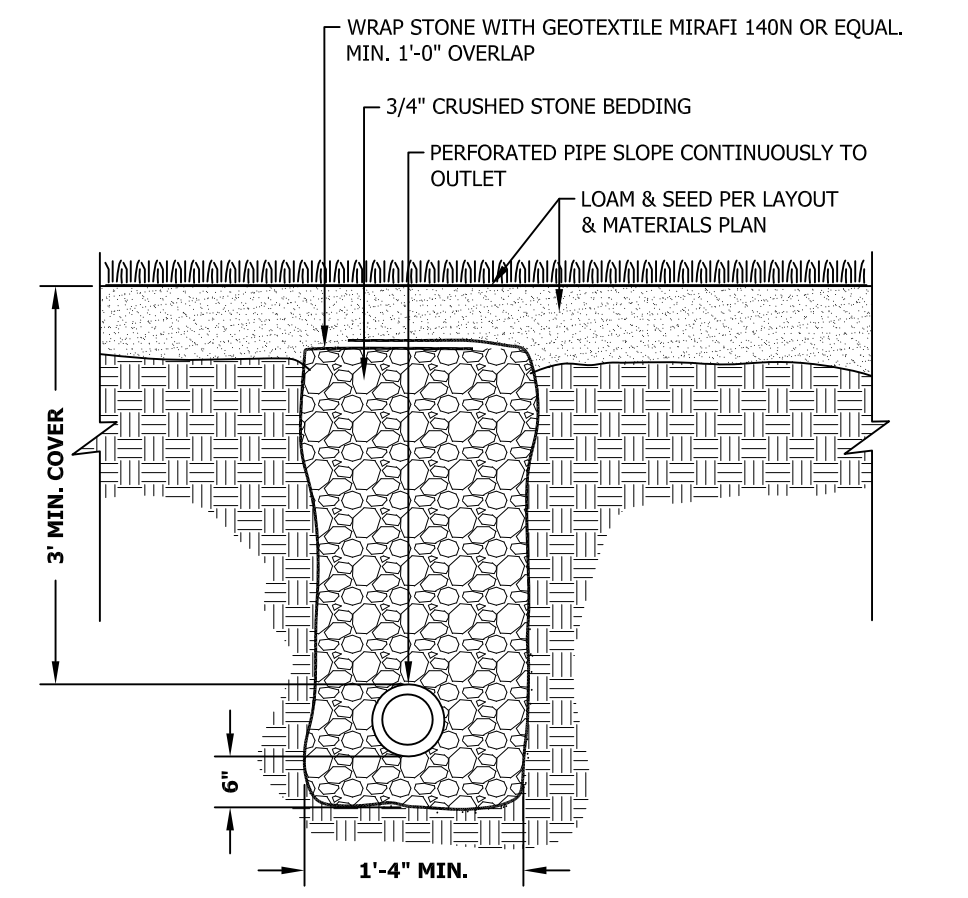
5 HDPE PIPE TRENCH
NOT TO SCALE



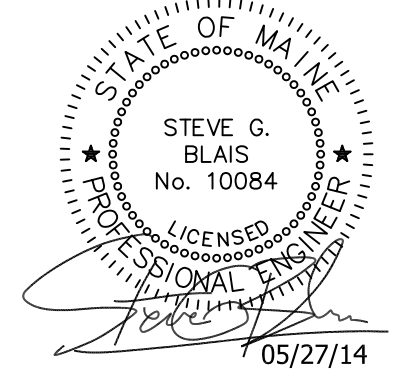
6 DECIDUOUS TREES UNDER 2" CALIPER OR EVERGREEN TREES UNDER 8" IN HEIGHT
NOT TO SCALE



7 ELECTRIC, CABLE & TEL. UTILITY TRENCH SECTION
NOT TO SCALE



8 UNDERDRAIN TRENCH SECTION
NOT TO SCALE



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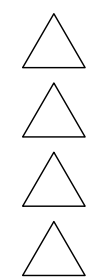
- △ PER TOWN COMMENTS 05/27/14
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CASCO BAY HOCKEY ASSOCIATION
RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

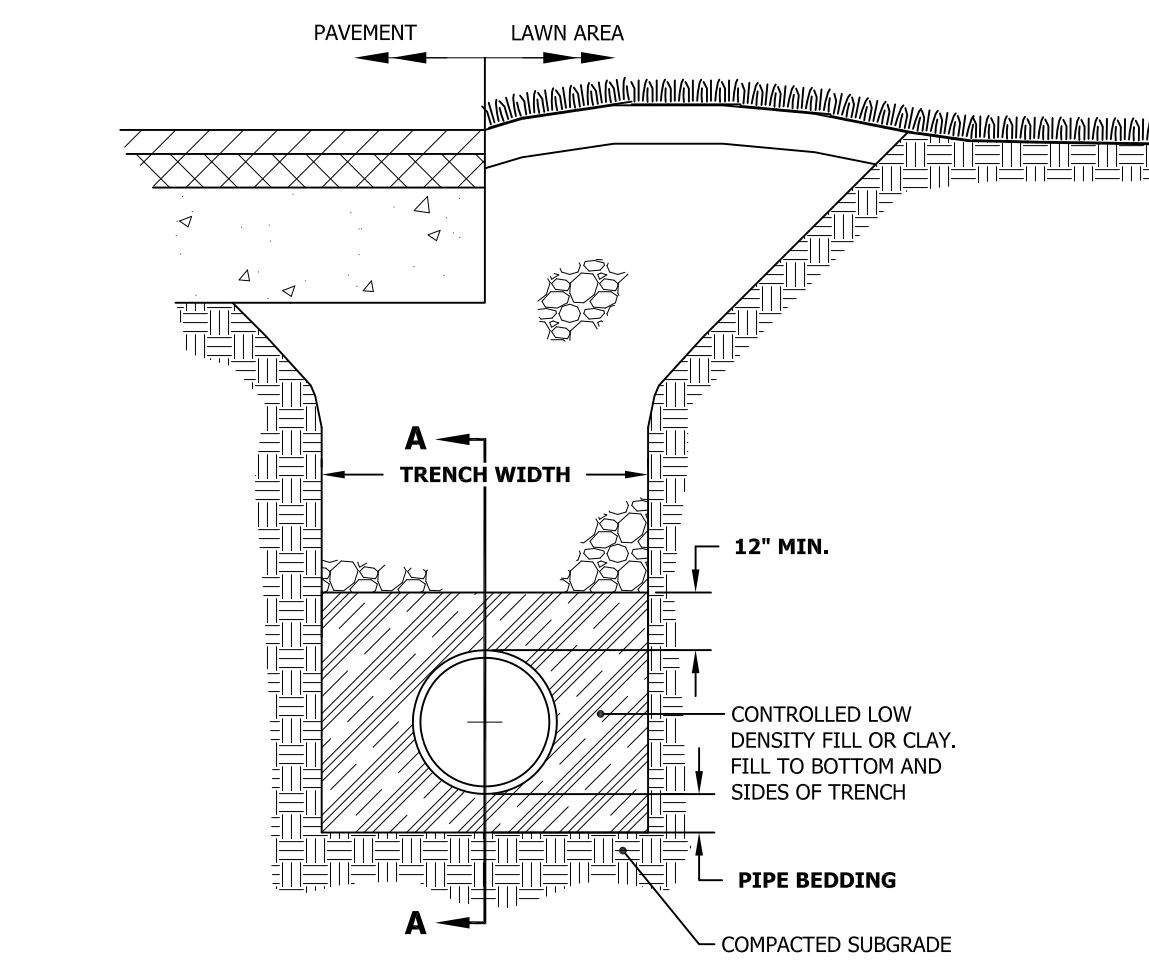
No: Revision Date:

1 PER TOWN COMMENTS 05/27/14

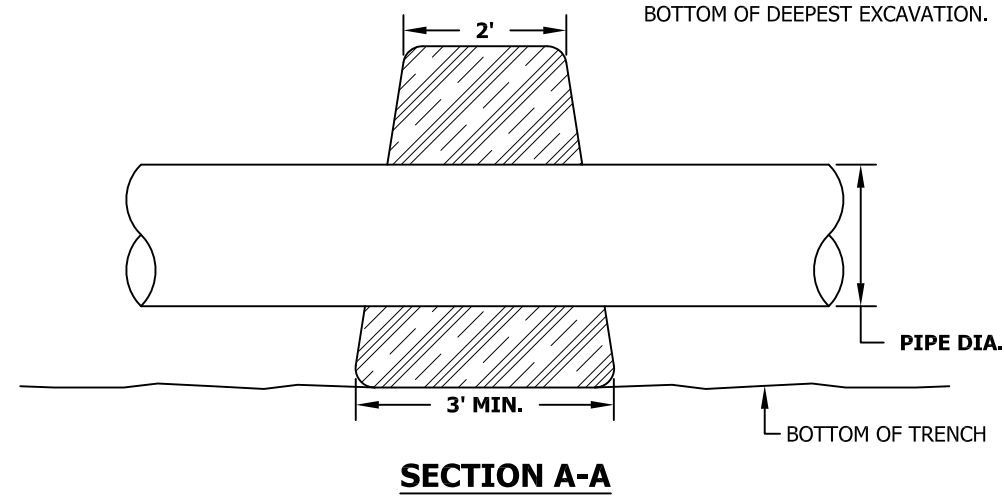


revisions:
date: MAY 27 2014
scale: As Noted
drawn: DRH
checked: SB

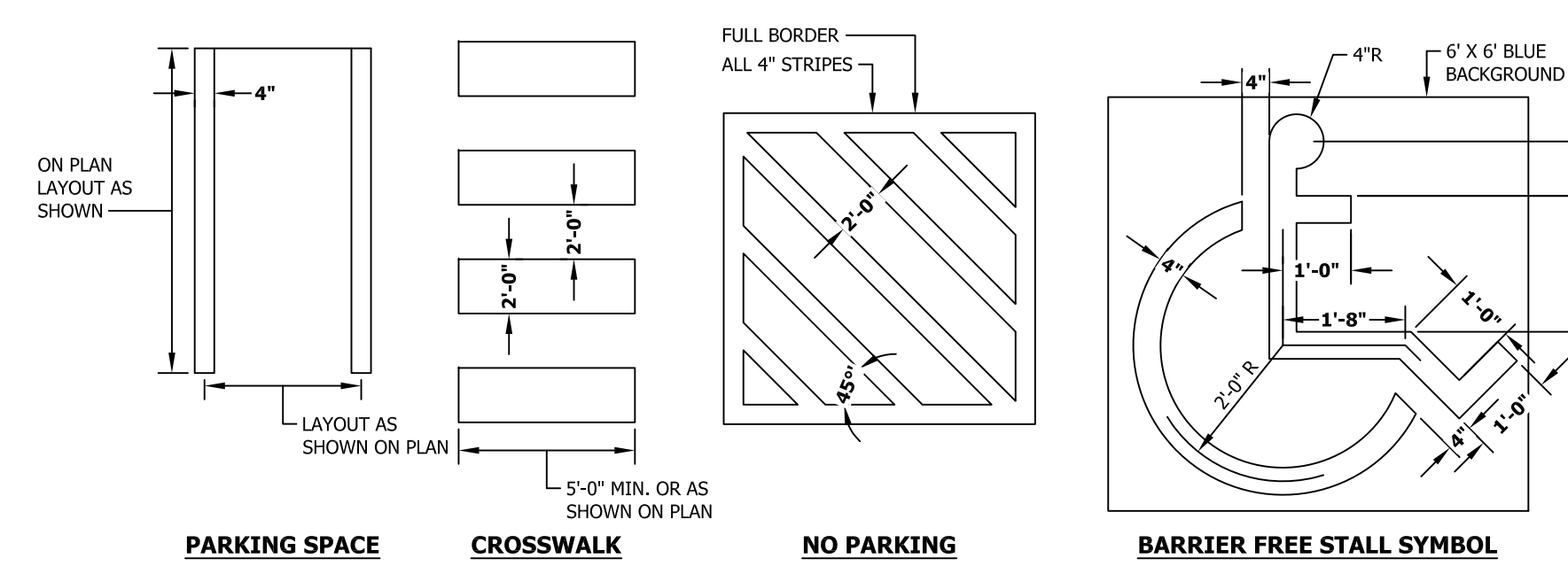
C13



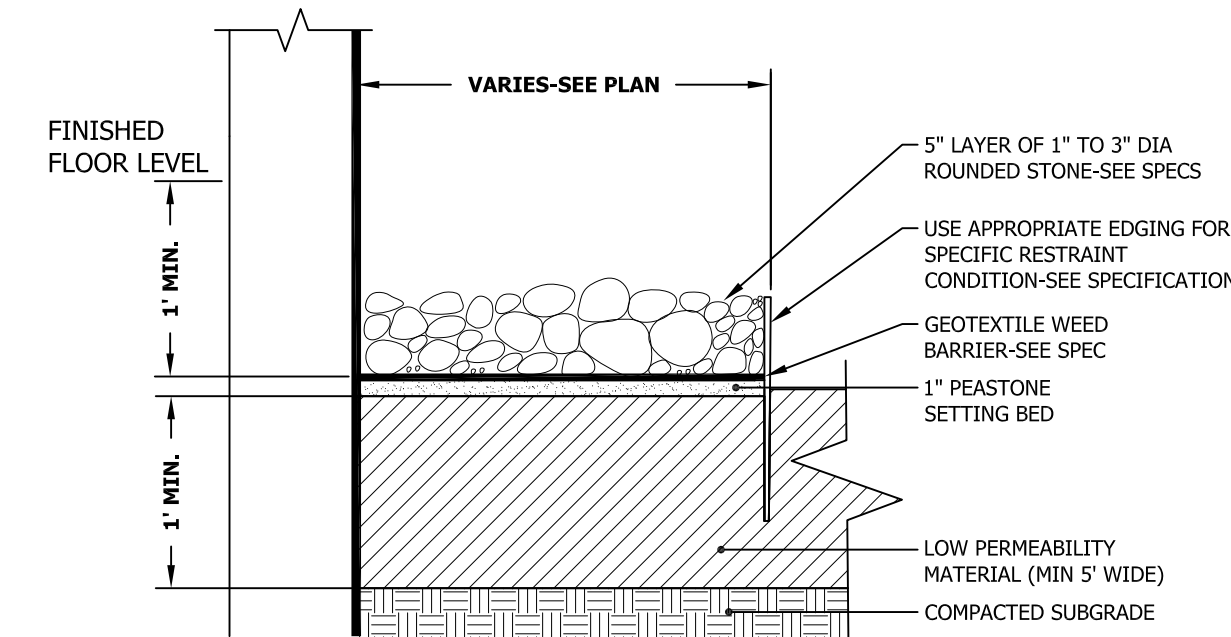
NOTE:
1. IF TRENCH IS OVEREXCAVATED, CONTROLLED LOW DENSITY FILL OR CLAY SHALL EXTEND TO BOTTOM OF DEEPEST EXCAVATION.



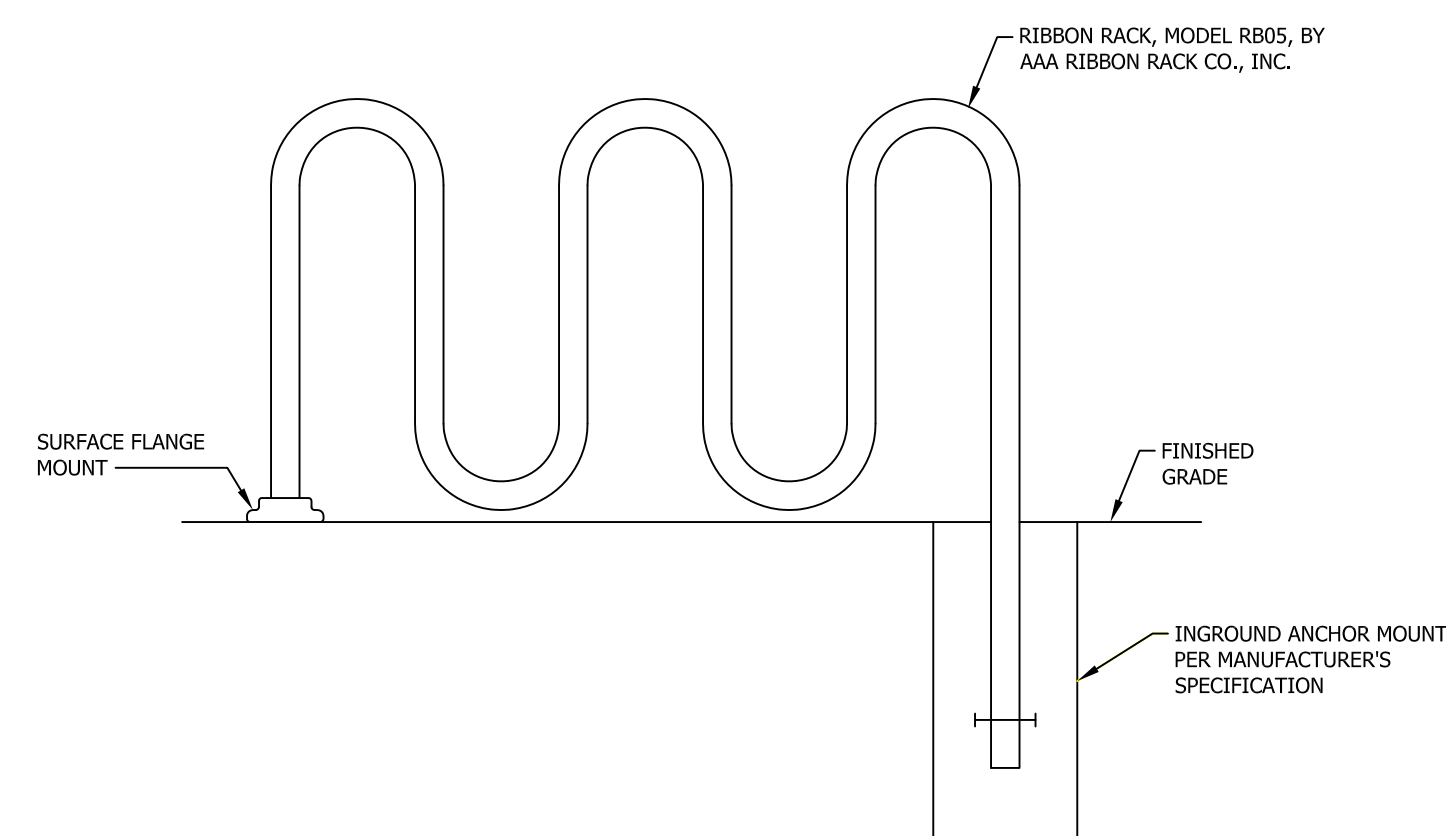
1 WATERSTOP DETAIL
NOT TO SCALE



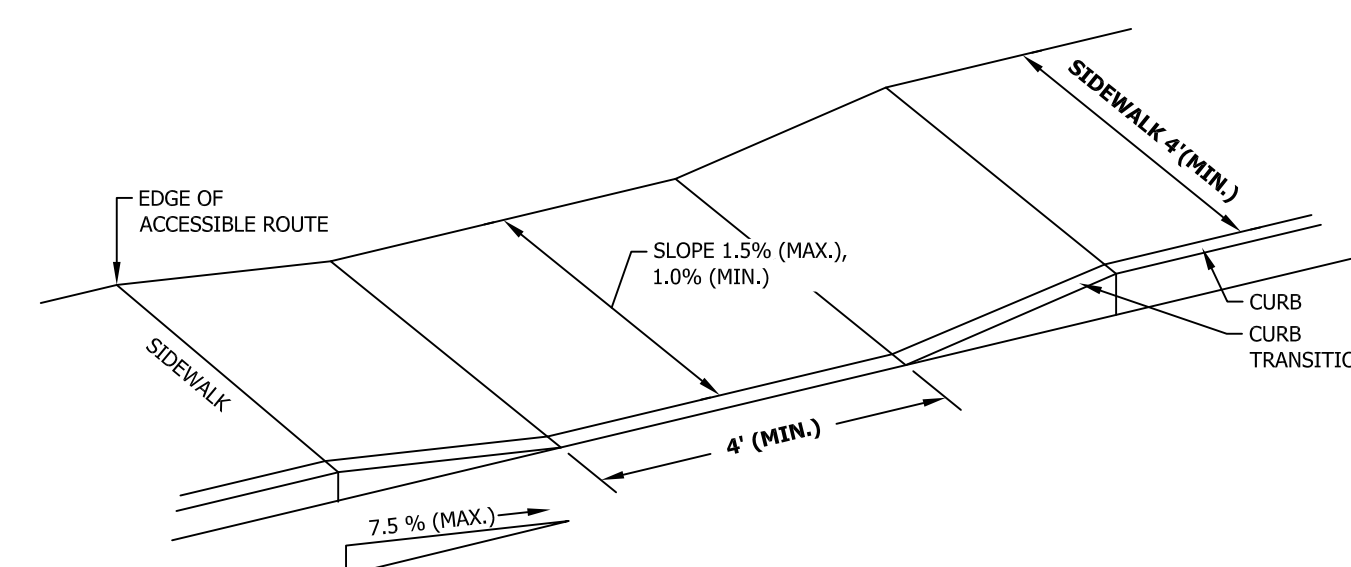
3 STRIPING DETAILS
NOT TO SCALE



4 DRIPSTRIP DETAIL
NOT TO SCALE

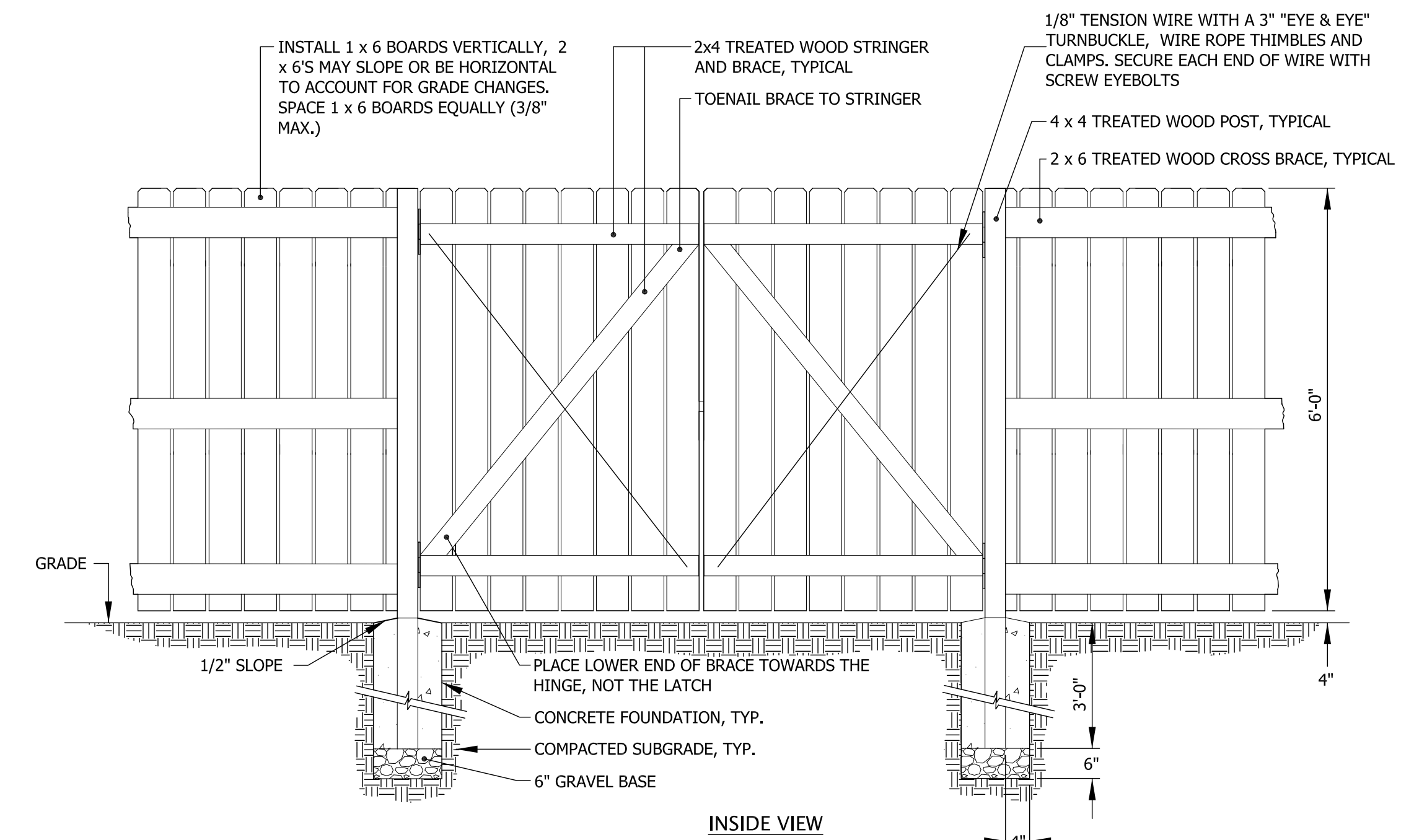
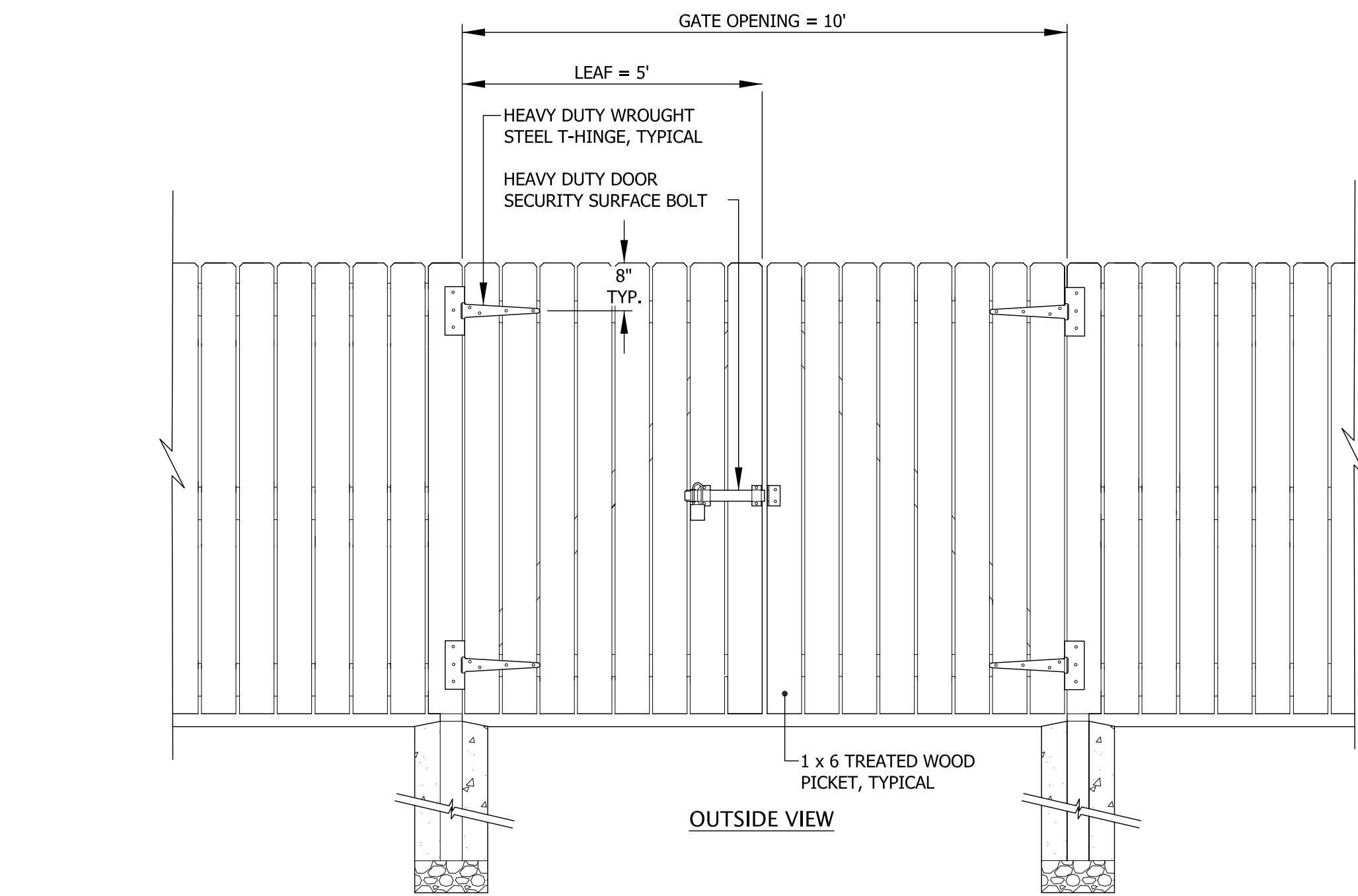


2 BICYCLE RACK
NOT TO SCALE

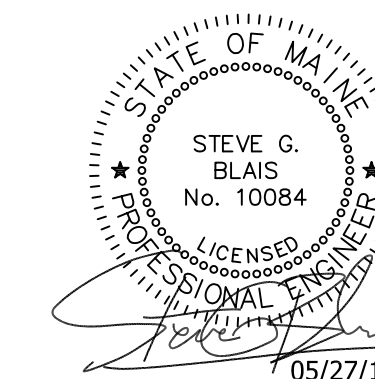


NOTES:
1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE CURB RAMP SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB, AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING AT RAMP (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAY.

5 ACCESSIBLE CURB RAMP (TYPE 'A')
NOT TO SCALE



6 TRASH & RECYCLING FENCE ENCLOSURE DETAIL
NOT TO SCALE



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RINK PROJECT MAP #J52 - LOT 005
VILLAGE PARK - DEPOT ROAD FALMOUTH, MAINE

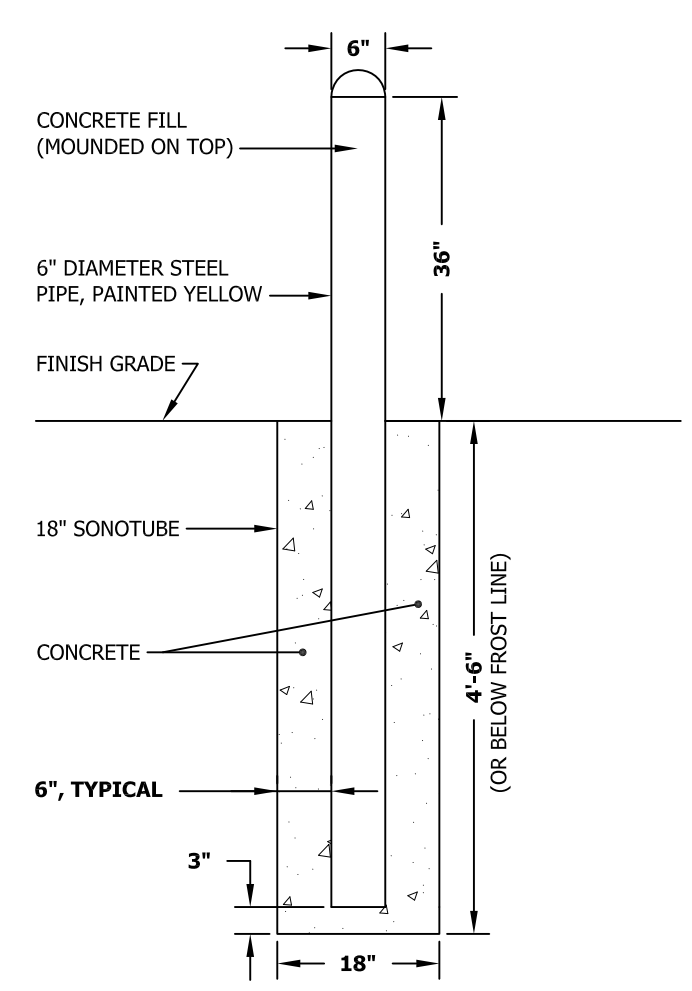
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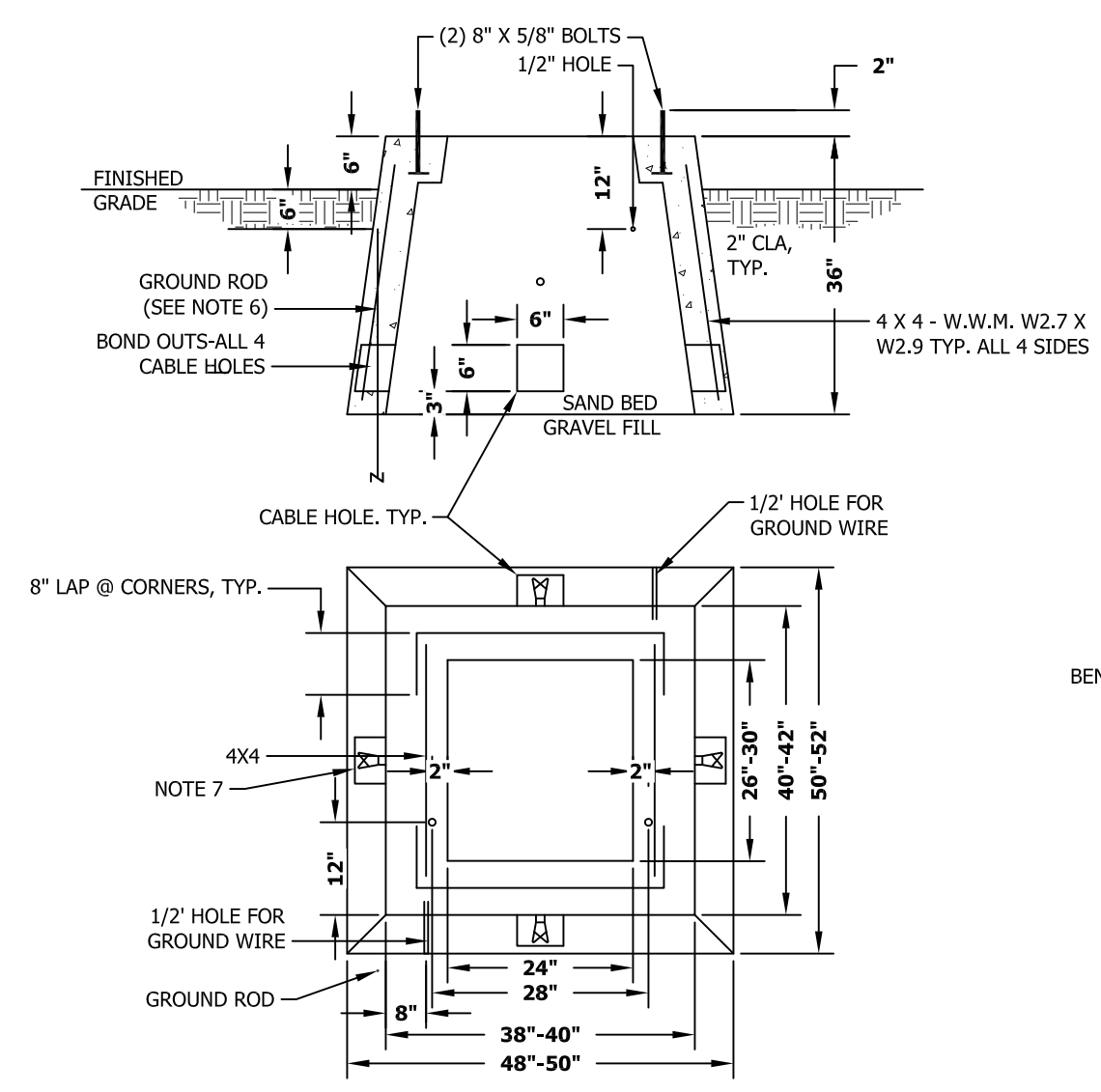
revisions:
date: MAY 27 2014
scale: As Noted
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checked: SB

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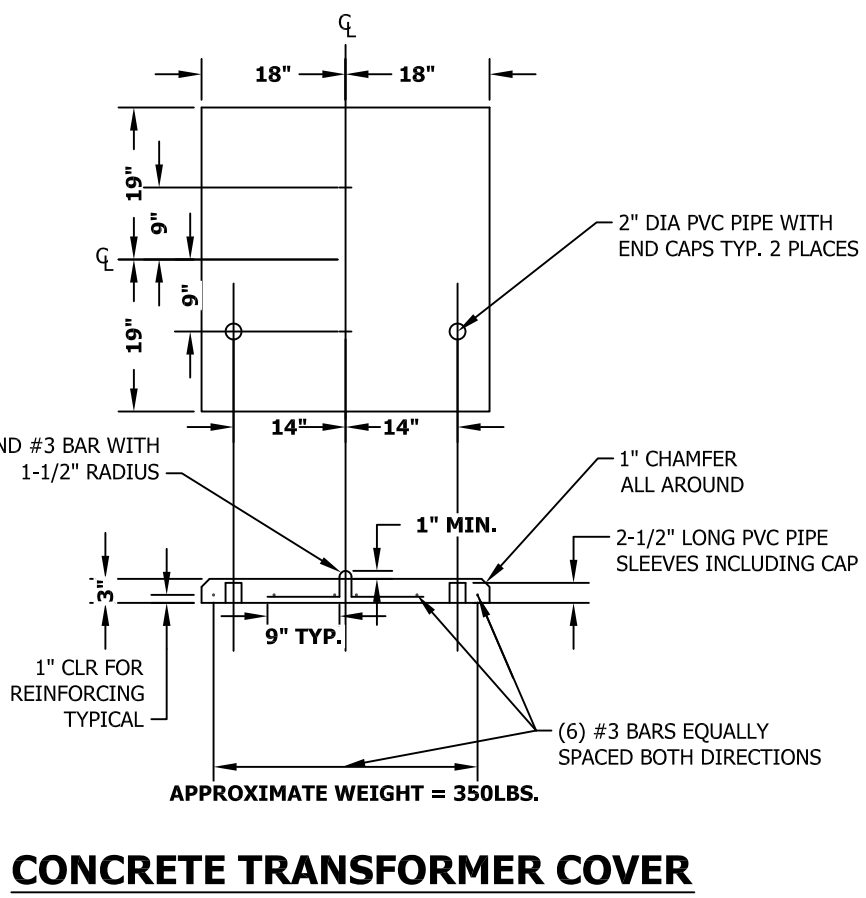
SITE DETAILS



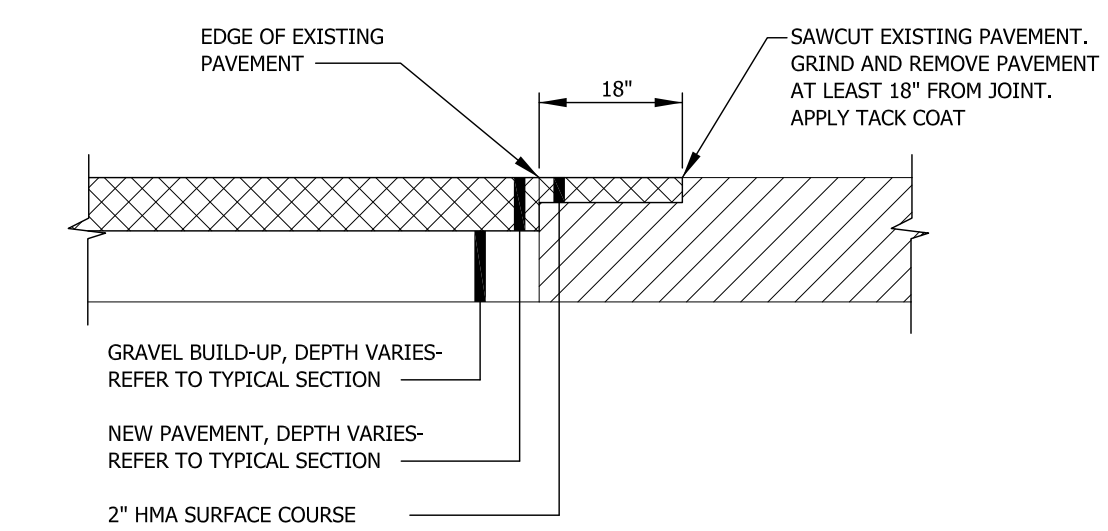
1 BOLLARD DETAIL
NOT TO SCALE



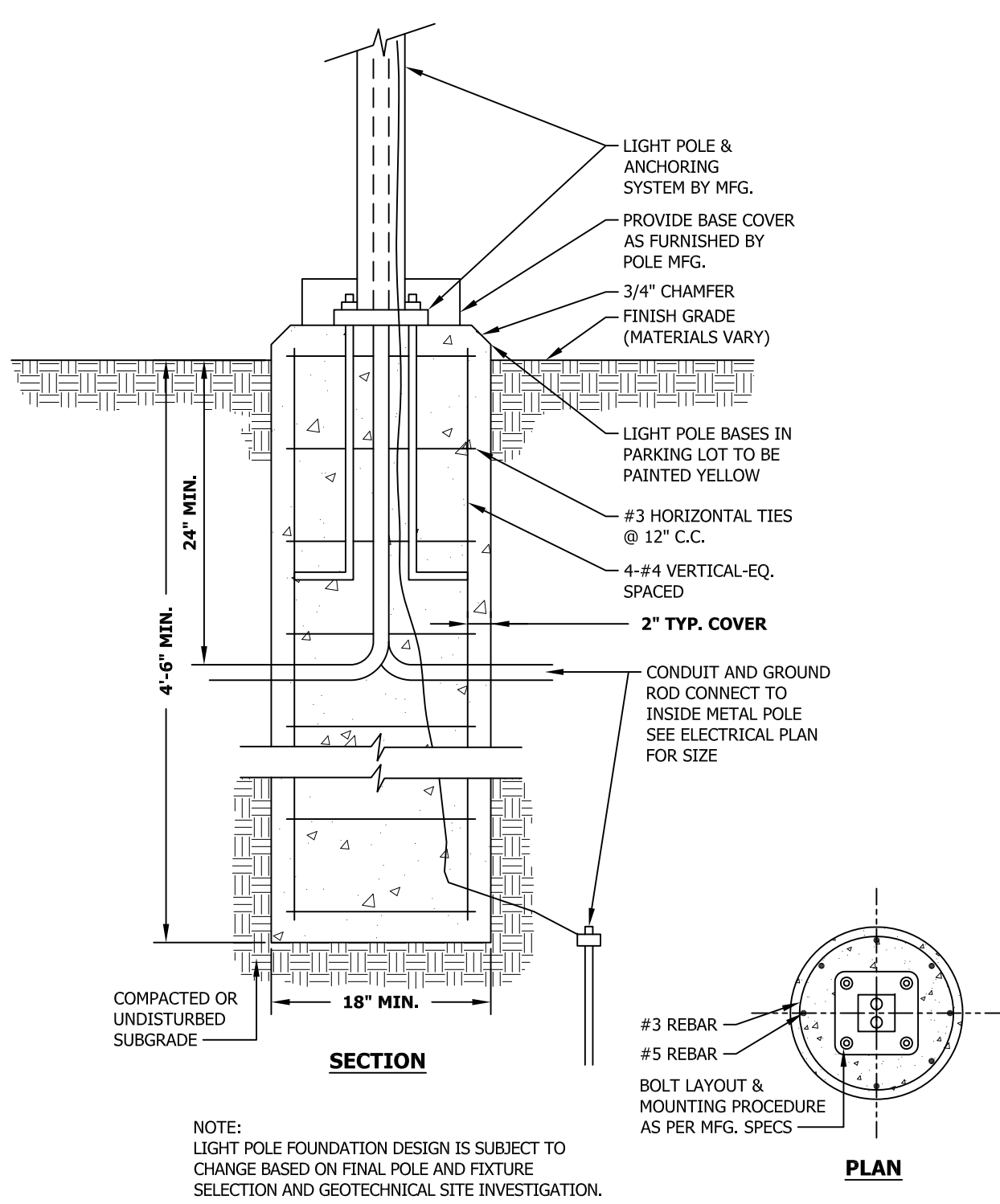
2 CENTRAL MAINE POWER TRANSFORMER
NOT TO SCALE



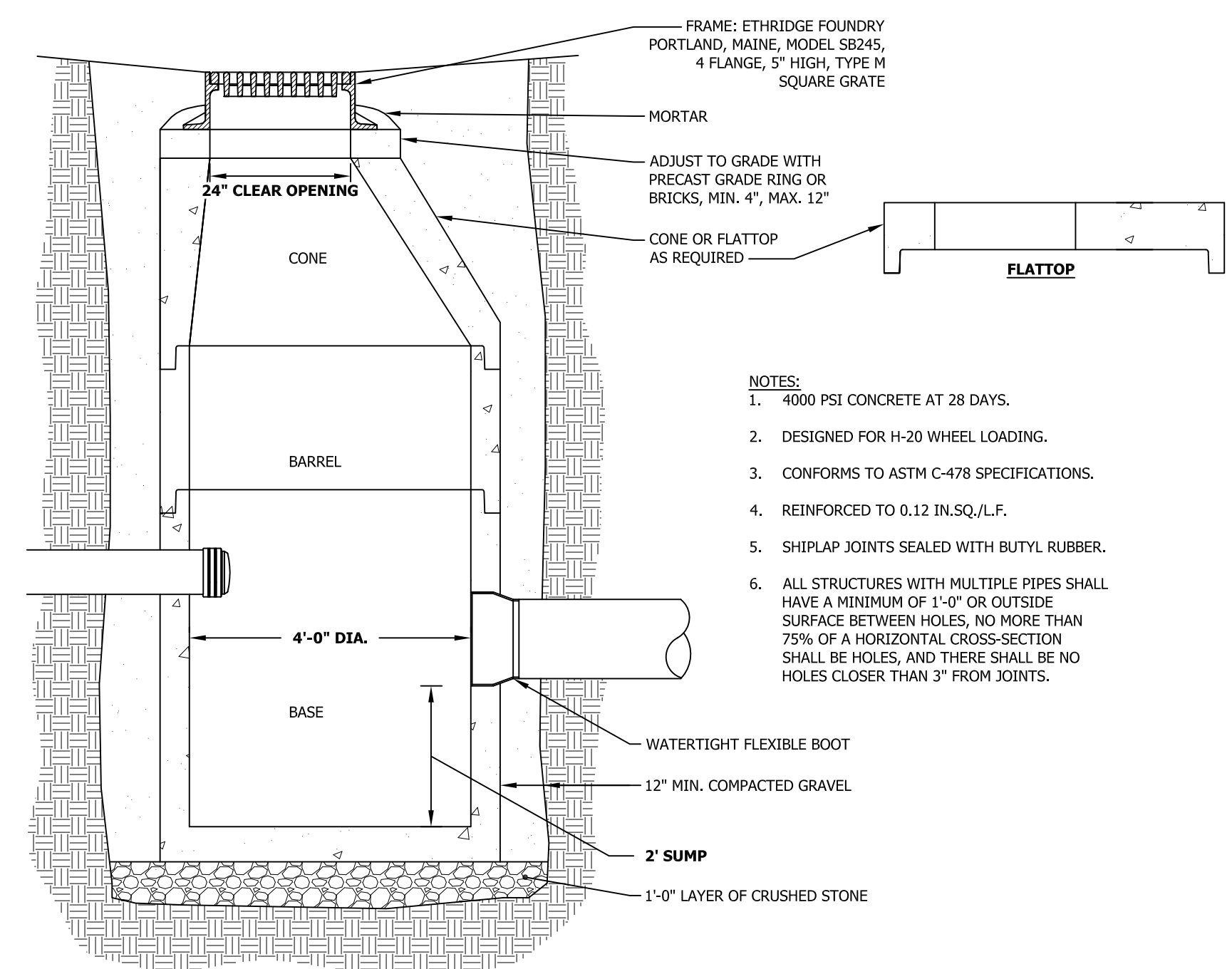
CONCRETE TRANSFORMER COVER



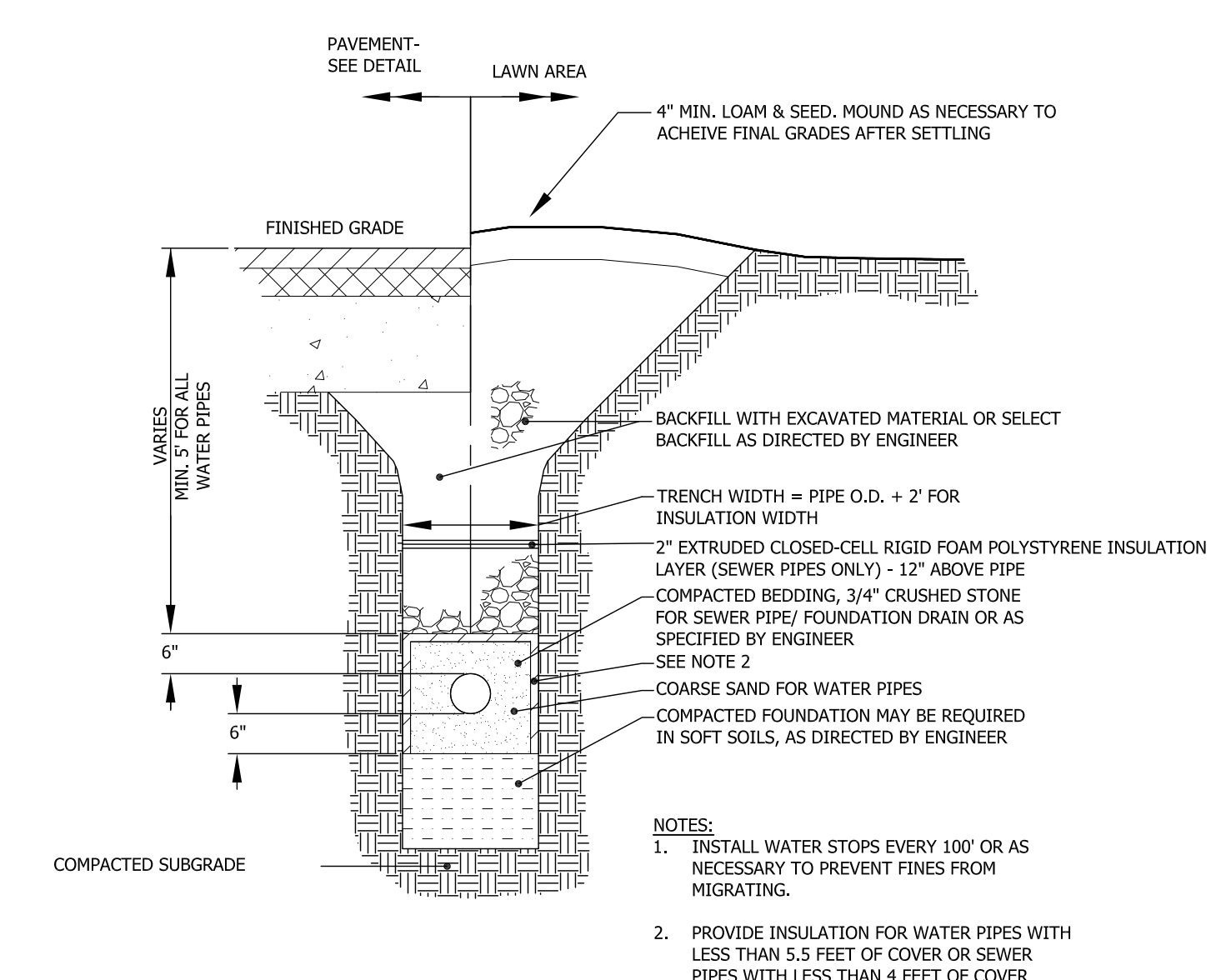
5 PAVEMENT BUTT-JOINT DETAIL
NOT TO SCALE



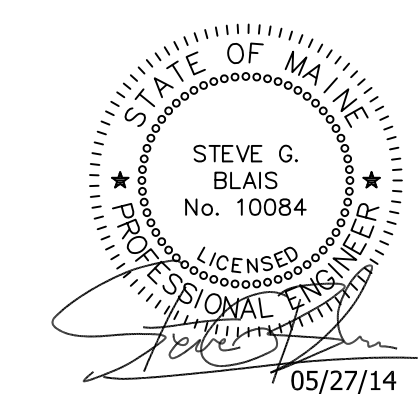
3 LIGHT POLE FOUNDATION DETAIL (UP TO 40' POLE)
NOT TO SCALE



4 CATCH BASIN
NOT TO SCALE



6 SANITARY SEWER & WATER PIPE DETAIL
NOT TO SCALE



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