

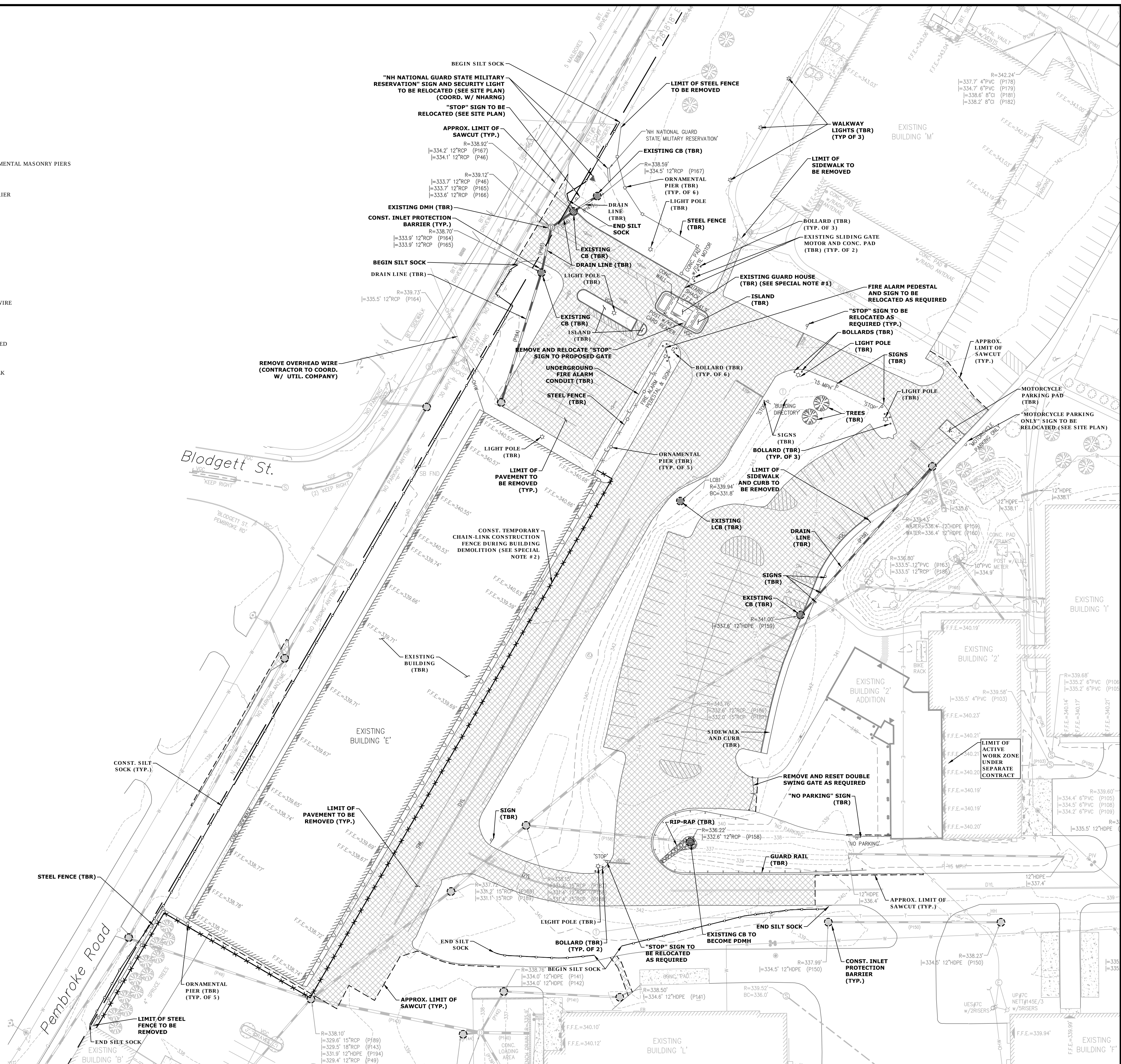
1. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES AND PROTECT ALL UTILITIES THROUGHOUT THE PROJECT.
2. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES, CALL DIG SAFE AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITIES.
3. ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL REMOVE ALL OFF-SITE MATERIALS IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES, AND IN ACCORDANCE WITH CONST. WASTE MANAGEMENT PLAN AND DISPOSAL.
4. COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANIES.
5. ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION/ DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO MATCH ORIGINAL EXISTING CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
6. SAW CUT AND REMOVE PAVEMENT ONE (1) FOOT OFF PROPOSED EDGE OF PAVEMENT OR EXISTING CURB LINE IN ALL AREAS WHERE PAVEMENT TO BE REMOVED ABUTS EXISTING PAVEMENT OR CONCRETE TO REMAIN.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS OF ALL OF THE PERMIT REQUIREMENTS.
8. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
9. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR ANY AND ALL DEMOLITION MATERIALS ON SITE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK, EXCEPT FOR WORK NOTED TO BE COMPLETED BY OTHERS.
11. UTILITIES SHALL BE TERMINATED AT THE MAIN LINE PER UTILITY COMPANY STANDARDS. THE CONTRACTOR SHALL REMOVE ALL MATERIALS TERMINATED BY THE CONTRACTOR AND SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL MATERIALS.
12. CONTRACTOR SHALL VERIFY ORIGIN OF ALL DRAINAGE AND UTILITIES PRIOR TO REMOVAL/TERMINATION TO DETERMINE IF DRAINS OR UTILITY IS ACTIVE, AND SERVICES ANY ON OR OFF-SITE STRUCTURE TO REMAIN. THE CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY SUCH UTILITY FOUND AND SHALL MAINTAIN THESE UTILITIES UNTIL PERMANENT SOLUTION IS IN PLACE.
13. PAYMENT REMOVAL LIMITS ARE SHOWN FOR CONTRACTOR'S CONVENIENCE. ADDITIONAL PAVEMENT REMOVAL MAY BE REQUIRED DEPENDING ON THE CONTRACTOR'S OPERATION. CONTRACTOR TO VERIFY FULL LIMITS OF PAVEMENT REMOVAL PRIOR TO BID.
14. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE PADS, UTILITIES AND PAVEMENT WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN. ITEMS TO BE REMOVED INCLUDE BUT ARE NOT LIMITED TO: CONCRETE, PAVEMENT, CURBS, LIGHTING, MANHOLES, CATCH BASINS, UNDERGROUND PIPING, POLES, SIGNS, FENCES, RAILROADS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL ITEMS AND LANDSCAPING.
15. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE CITY OF CONCORD.
16. REMOVE TREES AND BRUSH AS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL GRUB AND REMOVE ALL STUMPS WITHIN LIMITS OF WORK AND DISPOSAL OF OFF SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
17. CONTRACTOR SHALL PROTECT ALL PROPERTY MONUMENTATION THROUGHOUT DEMOLITION AND CONSTRUCTION OPERATIONS. SHOULD ANY MONUMENTATION BE DISTURBED BY THE CONTRACTOR, THE CONTRACTOR SHALL EMPLOY A NEW HAMPSHIRE LICENSED SURVEYOR TO REPLACE DISTURBED MONUMENTS.
18. THE CONTRACTOR SHALL PROTECT EXISTING DRAINAGE/INLETS/CURB INLETS WITHIN CONSTRUCTION LIMITS AS WELL AS CATCH BASINS/CURB INLETS THAT MAY RECEIVE RUNOFF FROM CONSTRUCTION ACTIVITIES. INLET PROTECTION BARRIERS SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. INLET PROTECTION BARRIERS SHALL BE "HIGH FLOW SILT SACK" BY ACF INTERNATIONAL OR EQUAL. INSPECT BARRIERS WEEKLY AND AFTER EACH RAIN EVENT OF 0.25 INCHES OR GREATER. CONTRACTOR SHALL CONDUCT INSPECTIONS IMMEDIATELY AFTER EACH INSPECTION. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED OR SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE BARRIER.
19. THE CONSTRUCTION SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROVIDE CONTINUOUS SERVICE AND A SECURE FACILITY. CONSTRUCTION PHASING SHALL BE COORDINATED WITH THE OWNER.
20. THE CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROVIDE CONTINUOUS SERVICE TO EXISTING BUSINESSES AND HOMES THROUGHOUT THE CONSTRUCTION PERIOD. EXISTING BUSINESS AND HOME SERVICES (INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS, WATER, SEWER, AND TELEPHONE) SHALL BE MAINTAINED THROUGHOUT THE SERVICES, TEMPORARY SERVICES, IF REQUIRED, SHALL COMPLY WITH ALL FEDERAL, STATE, LOCAL AND UTILITY COMPANY STANDARDS. CONTRACTOR SHALL PROVIDE DETAILED CONSTRUCTION SCHEDULE TO OWNER PRIOR TO ANY CONSTRUCTION ACTIVITIES.
21. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR DEMOLITION ACTIVITIES.
22. THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING, BARRICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.
23. SAW CUT AND REMOVE PAVEMENT AND CONSTRUCTION PAVEMENT TRENCH PATCH FOR ALL UTILITIES TO BE REMOVED AND PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO BE REMOVED.
24. THE CONTRACTOR SHALL REMOVE AND SALVAGE EXISTING GRANITE CURB FOR REUSE.

1. EXISTING CONDITIONS ARE BASED ON A FIELD SURVEY BY VHB, INC. OF BEDFORD, NH DATED BETWEEN MARCH AND JUNE 2016.

1. PLAN ENTITLED "EXISTING CONDITIONS PLAN OF LAND PROGRESS PRINT FOR REVIEW ONLY" PREPARED BY VHB, INC. FOR NEW HAMPSHIRE ARMY NATIONAL GUARD, PEMBROKE ROAD, CONCORD, NEW HAMPSHIRE DATED JUNE 6, 2016.
2. PLAN ENTITLED "BOUNDARY PLAN STATE MILITARY RESERVATION ASSESSORS MAP 116 BLOCK 4 LOT 2" PREPARED BY T.F. BERNIER, INC. DATED 1997 - NOT RECORDED.
3. PLAN ENTITLED "SUBDIVISION AND RESUBDIVISION PREPARED FOR: THE CITY OF CONCORD AND THE STATE OF NEW HAMPSHIRE" PREPARED BY RICHARD D. BARTLETT & ASSOCIATES, INC. DATED MARCH 19, 2003 (REV 5/6/04) AND RECORDED AS PLAN # 17014.
4. PLAN ENTITLED "INHAIRN STATEWIDE SITE IMPROVEMENT CST BUILDING EXPANSION" PREPARED BY TIGHE & BOND, INC. FOR NEW HAMPSHIRE NATIONAL GUARD, PEMBROKE ROAD, NEW HAMPSHIRE DATED MAY 15, 2018.

	APPROXIMATE SAWCUT LINE
	PROPERTY LINE
	APPROXIMATE LIMIT OF WORK
	PROPOSED SILT SOCK
	TEMPORARY CONSTRUCTION FENCE
	EXISTING CONTOUR (MINOR)
	EXISTING CONTOUR (MAJOR)
	EXISTING STEEL FENCE WITH ORNAMENTAL MASONRY PIERS
	EXISTING FIRE ALARM CONDUIT
	PROPOSED INLET PROTECTION BARRIER
	EXISTING LIGHT POLE
	EXISTING CATCH BASIN
	EXISTING DRAIN MANHOLE
	EXISTING SEWER MANHOLE
	EXISTING TELEPHONE MANHOLE
	EXISTING SIGN
	EXISTING UTILITY POLE WITH GUY WIRE

-  EXISTING PAVEMENT TO BE REMOVED
-  EXISTING CONCRETE PAD/SIDEWALK



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 Plotted On: Mar 12, 2019, 6:47pm By: NSC
 Title & Bond: NUN0967 NH Army National Guard - On Call Services NHARNG/047 Concord SMR - Pembroke Road ECP Drawings_Figures/AutoCAD/N0967-047-DSGN.dwg



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JMP	JMP/SCK/NSC	BLM	BLM/JMP

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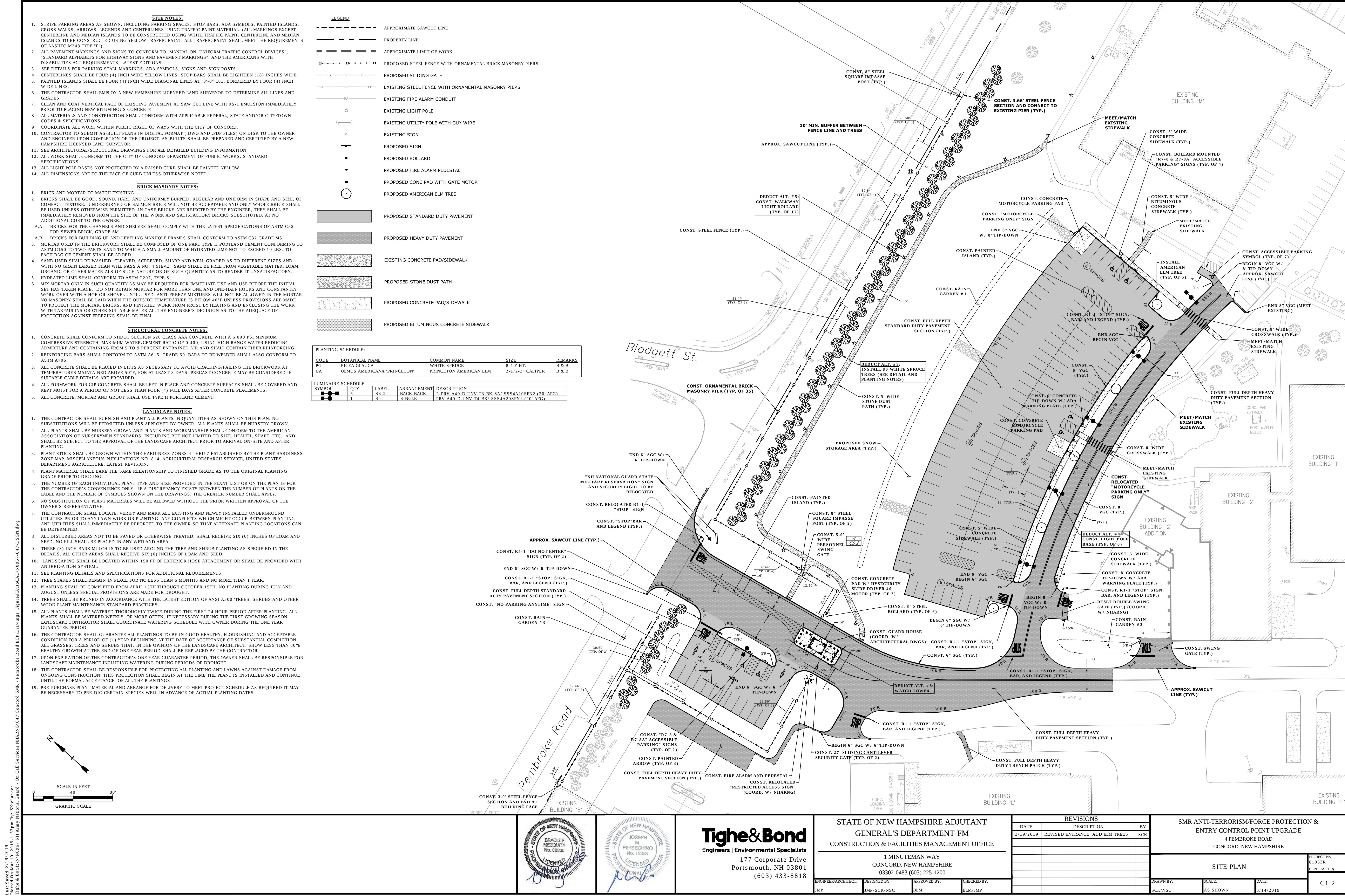
SMR ANTI-TERRORISM/FORCE PROTECTION &
ENTRY CONTROL POINT UPGRADE
4 PEMBROKE ROAD
CONCORD, NEW HAMPSHIRE

EXISTING CONDITIONS & DEMOLITION PLAN

DRAWN BY:	SCALE:	DATE:
SCK/NSC	AS SHOWN	3/14/2019

PROJECT No.
81033R
CONTRACT: A

C1.1



- GRADING AND DRAINAGE NOTES:**
1. COMPACTION REQUIREMENTS:
BELOW PAVED OR CONCRETE AREAS 95%
TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL 95%
BELOW LOAM AND SEED AREAS 90%
* ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM D-1557, METHOD C. FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D-1558 OR ASTM-2922.
 2. ALL STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HANCOR HI-Q, ADS N-12 OR EQUAL) OR RCP CLASS IV, UNLESS OTHERWISE SPECIFIED.
 3. SEE UTILITY PLAN FOR ALL SITE UTILITY INFORMATION.
 4. ADJUST ALL MANHOLES, CATCH BASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE.
 5. CONTRACTOR SHALL PROVIDE A FINISH PAYMENT SURFACE AND LAWN AREAS FREE OF LOW SPOTS AND PONDING AREAS. CRITICAL AREAS INCLUDE BUILDING ENTRANCES, EXITS, RAMPS AND LOADING DOCK AREAS ADJACENT TO THE BUILDING.
 6. CONTRACTOR SHALL THOROUGHLY CLEAN ALL CATCH BASINS AND DRAIN LINES, WITHIN THE LIMIT OF WORK, OF SEDIMENT IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
 7. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES.
 8. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 6" LOAM, SEED FERTILIZER AND MULCH.
 9. ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NHDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION.
 10. ALL PROPOSED CATCH BASINS SHALL BE EQUIPPED WITH OIL/GAS SEPARATOR HOODS AND 4" SUMPS.
 11. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND CITY OF CONCORD DEPARTMENT OF PUBLIC WORKS AND CONSTRUCTION SPECIFICATIONS, LATEST REVISIONS.
 12. SEE EXISTING CONDITIONS PLAN OF LAND PREPARED BY YHB, INC. FOR BENCH MARK INFORMATION. SEE REFERENCE NOTE #1.

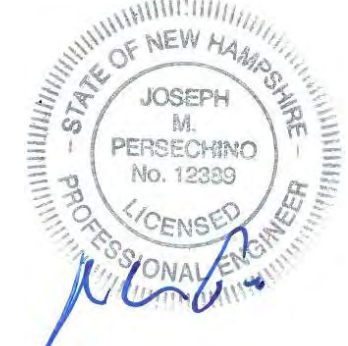
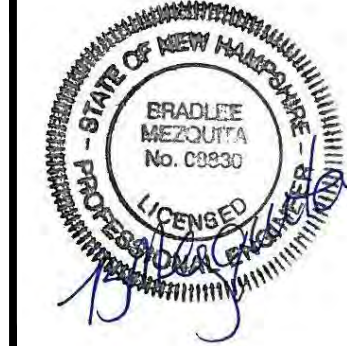
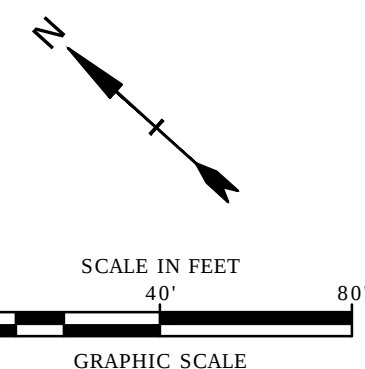
- UTILITY NOTES:**
1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES, AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
 2. COORDINATE ALL UTILITY WORK WITH APPROPRIATE UTILITY COMPANY.
 3. COORDINATE ALL WORK WITHIN PUBLIC RIGHT OF WAY WITH THE CITY OF CONCORD.
 4. ALL ELECTRICAL MATERIAL WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, LATEST EDITION, AND ALL APPLICABLE STATE AND LOCAL CODES.
 5. THE EXACT LOCATION OF NEW UTILITY SERVICES AND CONNECTIONS SHALL BE COORDINATED WITH THE BUILDING DRAWINGS AND THE APPLICABLE UTILITY COMPANIES.
 6. ADJUST ALL MANHOLES, CATCH BASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE.
 7. ALL UNDERGROUND CONDUITS SHALL HAVE NYLON PULL ROPES TO FACILITATE PULLING CABLES.
 8. THE CONTRACTOR SHALL OBTAIN, PAY FOR, AND COMPLY WITH ALL REQUIRED PERMITS, ARRANGE FOR ALL INSPECTIONS, AND SUBMIT COPIES OF ACCEPTANCE CERTIFICATES TO THE OWNER PRIOR TO THE COMPLETION OF THIS PROJECT.
 9. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MANHOLES, BOXES, FITTINGS, CONNECTORS, COVER PLATES, AND OTHER MISCELLANEOUS ITEMS NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER INSTALLATION OF UTILITIES COMPLETE AND OPERATIONAL.
 10. THE CONTRACTOR SHALL CONTACT "DIG-SAFE" 72 HOURS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL HAVE THE "DIG-SAFE" NUMBER ON SITE AT ALL TIMES.
 11. SAW CUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO REMAIN.
 12. CONTRACTOR SHALL COORDINATE ALL ELECTRIC WORK INCLUDING BUT NOT LIMITED TO: CONDUIT CONSTRUCTION, MANHOLE CONSTRUCTION, UTILITY POLE CONSTRUCTION, OVERHEAD WIRE RELOCATION, AND TRANSFORMER CONSTRUCTION WITH POWER COMPANY.
 13. SEE ELECTRICAL PLANS FOR ELECTRIC AND COMMUNICATIONS UTILITY INSTALLATIONS.

STORM SEWER STRUCTURE TABLE			
STRUCTURE	RIM	INV. IN	INV. OUT
PCB1	340.55		336.65 SW
PCB2	340.20		335.45 W
PCB3	341.05		335.20 N
PCB4	341.50		334.30 N
PCB5	340.30		332.65 W
PCB6	338.80		332.60 E
PCB7	338.50		331.50 W
PCB8	338.50		331.50 N
PCB9	338.75		333.90 W
PCB10	338.35	335.80 SE 334.90 NE	333.10 NW
PCB11	338.75	334.00 SW	333.90 NE
PDMH1	341.25	335.10 E 335.10 S	335.10 W
PDMH2	341.80	334.50 E 334.20 S	333.20 SW
PDMH3	342.95	332.80 SE 332.70 NE	332.60 NW
PDMH4	339.10	332.40 E 332.40 W	332.35 N
PDMH5	338.30	333.10 SW 331.20 E 331.40 S	331.10 N
PDMH6	337.90	330.90 S	
PDMH7	339.50	333.70 SW 333.70 E	333.60 N
PDMH8 (ADD ALT. #1)	337.85	331.50 E	331.40 NW
PYD1	338.75	334.40 E	334.40 W
PYD2	338.75	334.40 E	334.40 W
PYD3	338.75	334.40 NE	334.40 SW
PYD4	337.75	333.40 W	333.40 NE
ROOF DRAIN	337.75	333.40 W	335.50 SW

- LEGEND**
- APPROXIMATE SAWCUT LINE
 - PROPERTY LINE
 - APPROXIMATE LIMIT OF WORK
 - PROPOSED STEEL FENCE WITH ORNAMENTAL BRICK MASONRY PIERS
 - PROPOSED SLIDING GATE
 - PROPOSED CONTOUR (MINOR)
 - PROPOSED CONTOUR (MAJOR)
 - PROPOSED DRAIN LINE
 - PROPOSED PERFORATED UNDERDRAIN
 - PROPOSED SILT SOCK
 - PROPOSED UNDERGROUND ELECTRIC/COMMUNICATIONS CONDUIT
 - EXISTING STEEL FENCE WITH ORNAMENTAL MASONRY PIERS
 - ☆ EXISTING LIGHT POLE
 - PROPOSED BOLLARD
 - ▼ PROPOSED FIRE ALARM PEDESTAL
 - PROPOSED CONC PAD WITH GATE MOTOR
 - EXISTING CATCH BASIN
 - EXISTING DRAIN MANHOLE
 - EXISTING SEWER MANHOLE
 - EXISTING TELEPHONE MANHOLE
 - PROPOSED ELECTRIC PULL BOX
 - PROPOSED CATCH BASIN
 - PROPOSED DRAIN MANHOLE
 - PROPOSED YARD DRAIN
 - PROPOSED INLET PROTECTION BARRIER
 - PROPOSED SPOT GRADE
 - EXISTING SPOT GRADE
 - PROPOSED SLOPE DIRECTION

Blodgett St.

Penbroke Road



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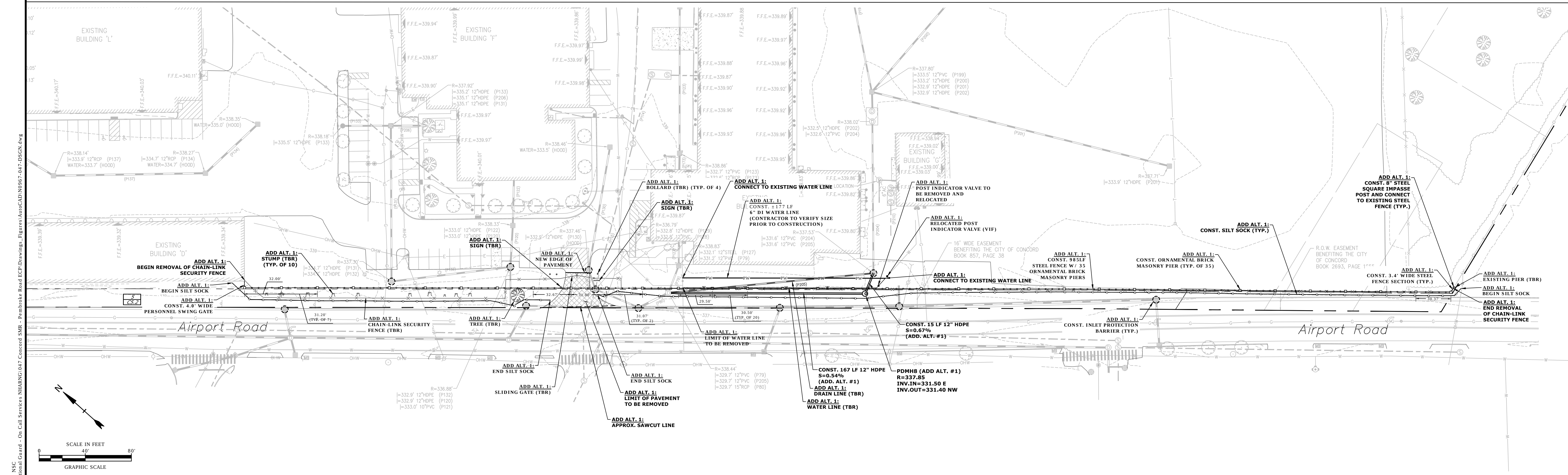
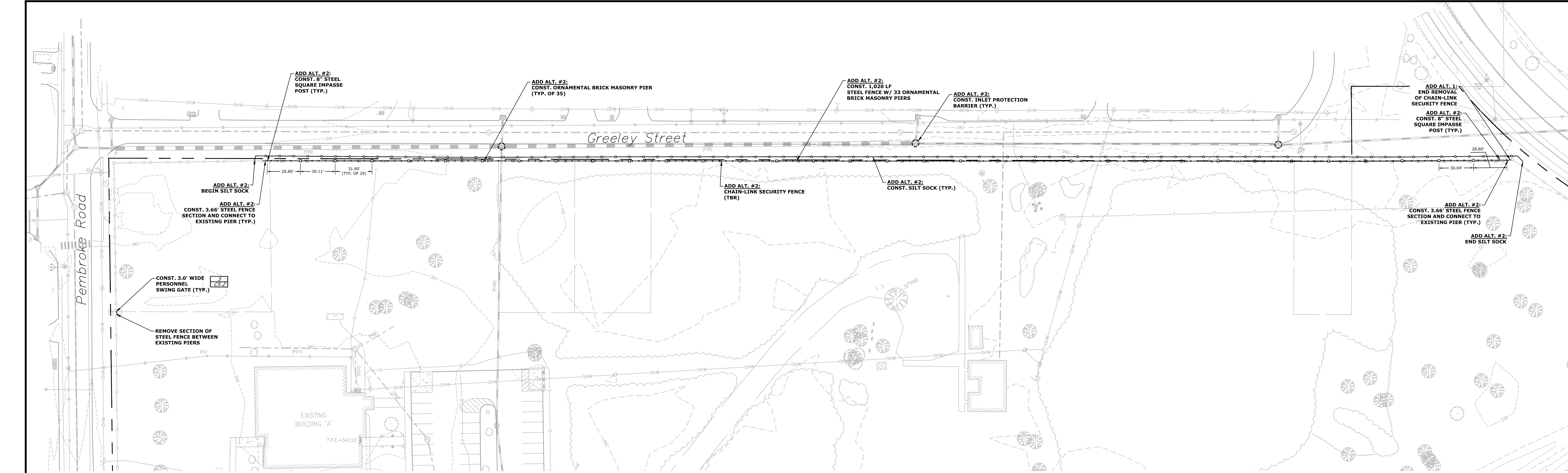
STATE OF NEW HAMPSHIRE ADJUTANT
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APPROVED BY: BLM
CHECKED BY: BLM/JMP

REVISIONS		
DATE	DESCRIPTION	BY
3/19/2019	PYD4 AND PDMH7 INFO UPDATED	SCK

SMR ANTI-TERRORISM/FORCE PROTECTION & ENTRY CONTROL POINT UPGRADE			
4 PEMBROKE ROAD CONCORD, NEW HAMPSHIRE			
GRADING, DRAINAGE, EROSION CONTROL & UTILITIES PLAN			PROJECT No. 81033R CONTRACT: A
DRAWN BY: SCK/NSC	SCALE: AS SHOWN	DATE: 3/14/2019	C1.3



1 of 5 Sheets
Printed On: 3/12/2019 4:49pm
Project On: 3/12/2019 4:49pm
Tighe & Bond\NH0967 NH Army National Guard - On Call Services\NHARG\047 Concord SMR - Pembroke Road ECD\Drawing_Figures\AutoCAD\NH0967-047-DSGR.dwg

SCALE IN FEET
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GRAPHIC SCALE

STATE OF NEW HAMPSHIRE
BRADLEE REZQUIITA
No. 010590
LICENSED PROFESSIONAL ENGINEER

JOSEPH M. PERSICHINO
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DATE	DESCRIPTION	BY

SMR ANTI-TERRORISM/FORCE PROTECTION & ENTRY CONTROL POINT UPGRADE
4 PEMBROKE ROAD
CONCORD, NEW HAMPSHIRE

ALTERNATES PLAN

DRAWN BY: SCK/NSC
SCALE: AS SHOWN
DATE: 3/14/2019

PROJECT No. 81033R
CONTRACT: A
C1.5

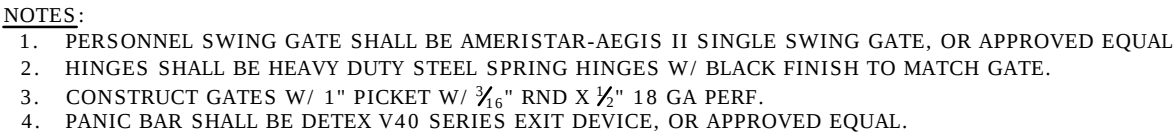
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Plotted On: Mar 12, 2019-6:37pm By: SKjellander
Tighe & Bond\N\N0967 NH Army National Guard



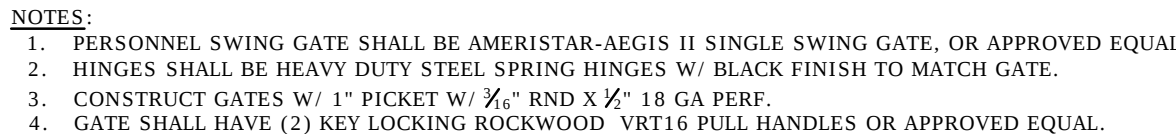
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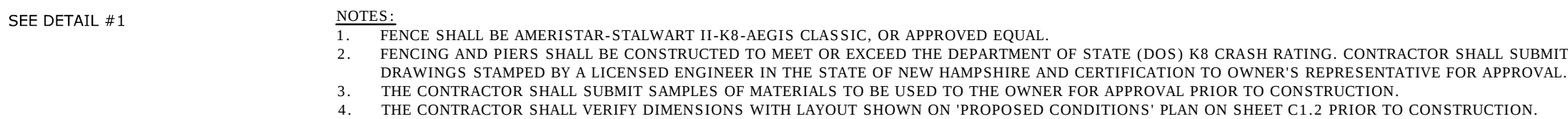
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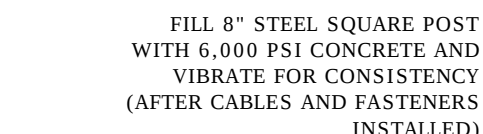
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CABLE FASTENER PER
MANUFACTURERS
RECOMMENDATIONS

NOTES:

1. FENCING AND PIERS SHALL BE CONSTRUCTED TO MEET OR EXCEED THE DEPARTMENT OF STATE (DOS) K8 CRASH RATING. CONTRACTOR SHALL SUBMIT DRAWINGS STAMPED BY A LICENSED ENGINEER IN THE STATE OF NEW HAMPSHIRE AND CERTIFICATION TO OWNER'S REPRESENTATIVE FOR APPROVAL.
2. WHEN IMPASSE POST IS INSTALLED WITHOUT ORNAMENTAL BRICK MASONRY PIER, IT SHALL BE PAINTED BLACK, PER MANUFACTURER RECOMMENDATION, TO MATCH SECURITY FENCE.

ast Saved: 3/12/2019



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DETAILS SHEET

DRAWN BY:	SCALE:	DATE:
CK/NSC	AS SHOWN	3/14/2019

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