



DEPARTMENT OF
VETERANS AFFAIRS

VA MEDICAL CENTER
830 CHALKSTONE AVENUE
PROVIDENCE, RI 02908

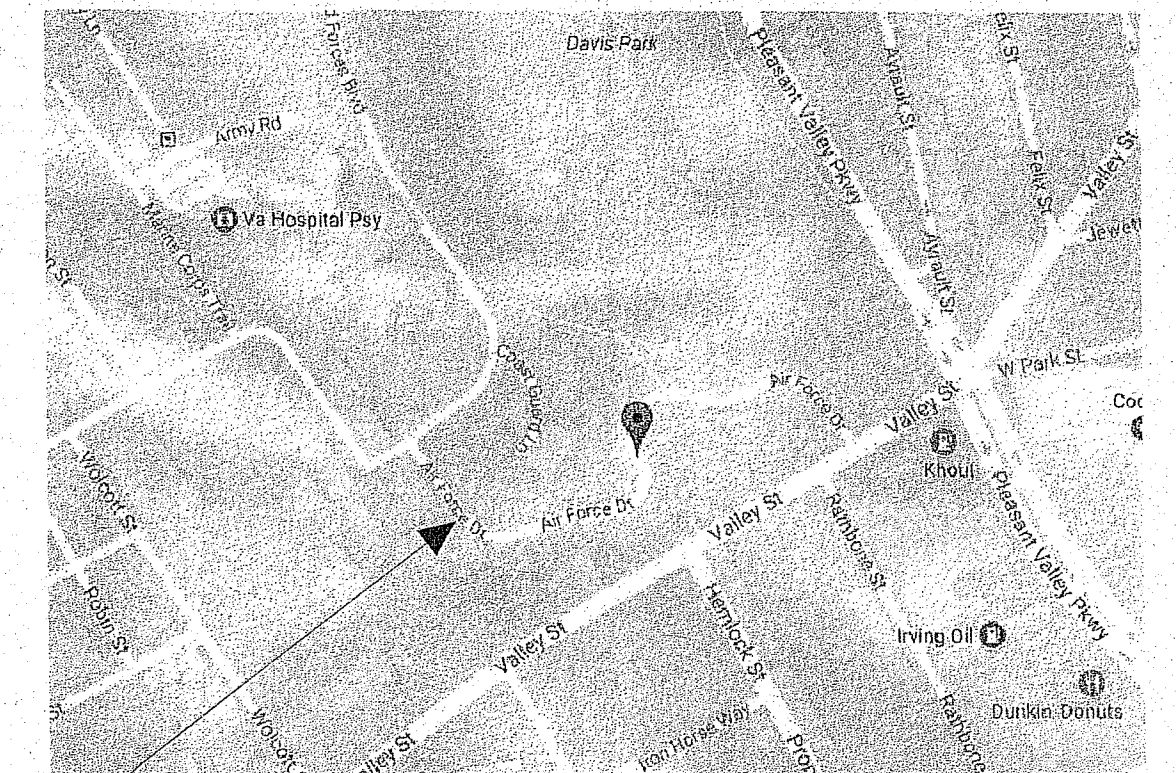
FCA PAVEMENT REPAIRS

VA PROJECT # 650-07-102

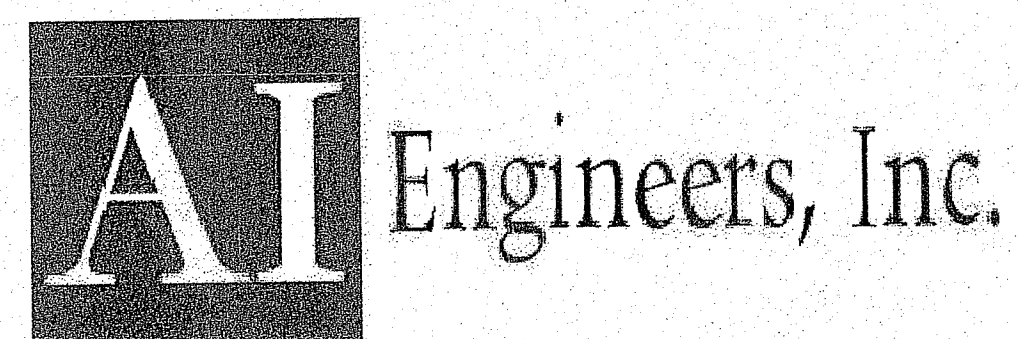
FINAL SUBMISSION
FEBRUARY 21, 2018

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 10 2020 FILE # 19-0354
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Jemsek



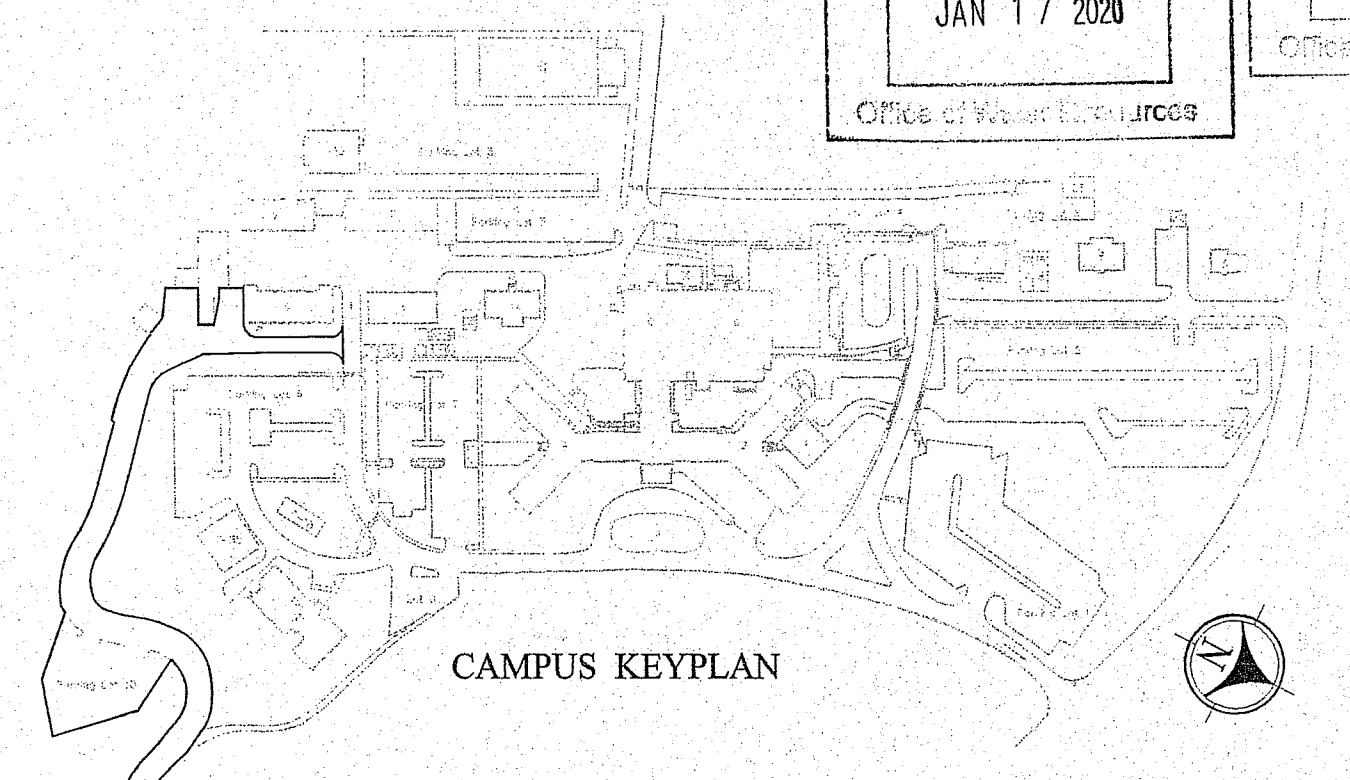
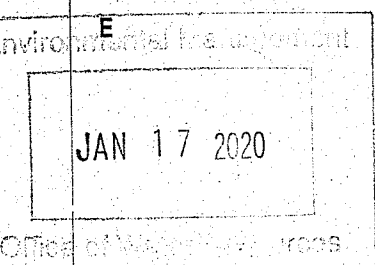
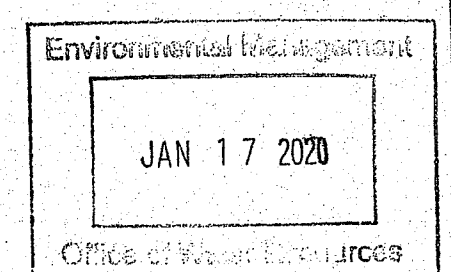
SITE
SITE LOCATION MAP
NOT TO SCALE



919 Middle Street
Middletown, CT 06457
Telephone: 860-635-7740
Facsimile: 860-635-7312

www.aiengineers.com

Kindly be advised that this
Permit is not equivalent to a
verification of the type or extent
of freshwater wetlands on site.



CAMPUS KEYPLAN

100% DESIGN	02/01/18
60% DESIGN	12/12/17
35% DESIGN	10/13/17
Revisions:	Date:

CONSULTANT	
GEOTECHNICAL ENGINEERING GEI Consultants, Inc. 44 Winding Brook Drive Glastonbury, CT 06033 860-368-5300	Consulting Engineers and Scientists

ARCHITECT/ENGINEER OF RECORD	STAMP
A/E: AI ENGINEERS INC. 919 MIDDLE STREET MIDDLETOWN, CT 06457 (860) 635-7740	

Office of Construction and Facilities Management U.S. Department of Veterans Affairs

Drawing Title COVER SHEET Approved: Project Director

Phase FINAL SUBMISSION

Project Title VAMC PROVIDENCE, RI FCA PAVEMENT REPAIRS AIR FORCE DRIVE	Project Number 650-07-102 Building Number
Location PROVIDENCE, R.I. Issue Date 2/21/2018	Drawing Number C-001
Checked MR/RG	Drawn ML

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SHEET NUMBER	SHEET TITLE
GENERAL DRAWINGS	
C-001	COVER SHEET
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C-505	MISCELLANEOUS DETAILS-6
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Kindly be advised that this Permit is not a guarantee of verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 10 2020 FILE # 19-0351
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Sencak

Environmental Management
JAN 17 2020
Office of Water Resources

100% DESIGN	02/01/18
60% DESIGN	12/12/17
35% DESIGN	10/13/17
Revisions:	Date:

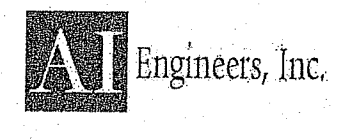
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A/E:
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919 MIDDLE STREET
MIDDLETOWN, CT 06457
(860) 635-7740



Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title INDEX OF DRAWINGS	Phase FINAL SUBMISSION	Project Title VAMC PROVIDENCE, RI FCA PAVEMENT REPAIRS AIR FORCE DRIVE	Project Number 650-07-102
Approved: Project Director		Location PROVIDENCE, R.I.	Drawing Number C-002
		Issue Date 2/21/2018	Checked MR/RG
		Drawn ML	

SITE ABBREVIATIONS

Table of site abbreviations including AB (Anchor Bolt), AC (Aggregate Concrete), ADA (Americans with Disabilities Act), etc.

Table of site abbreviations including FPM (Feet per Minute), FPS (Feet per Second), FFW (Fire Protection Water Supply), etc.

Table of site abbreviations including NOM (Nominal), NRPC (Non-Reinforced Concrete Pipe), NTP (Notice to Proceed), etc.

Table of site abbreviations including SEP (Separate), SEP TNK (Septic Tank), SHLDR (Shoulder), etc.

SITE SYMBOLS - GENERAL

Table of general site symbols including Boring, Center Line Indicator, Demolition Line, etc.

SITE SYMBOLS - UTILITIES

Table of utility site symbols including Water Valve, Drain Line, Pipe Line, etc.

SITE SYMBOLS - CONCRETE/MASONRY

Table of concrete/masonry symbols including Concrete Section, Concrete Plan, Grating, etc.

SITE SYMBOLS - METALS

Table of metal symbols including Weld, Basic Back, Arrow Side, Weld, Basic Fillet, etc.

SITE SYMBOLS - EARTHWORK

Table of earthwork symbols including Earth, Crushed Rock Gravel, Earth, Undisturbed, etc.

SITE SYMBOLS - IMPROVEMENTS

Table of improvement symbols including Asphalt, Section, Fence, Tree, etc.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Department of Environmental Management Office of Water Resources Freshwater Wetlands Program Approved with Conditions as Specified in the Letter of Approval DATED SEP 10 2020 FILE # 19-0351

Environmental Management Office of Water Resources JAN 17 2020

Project information block including Consultant (GEI), Architect/Engineer of Record (AI Engineers Inc.), Office of Construction and Facilities Management, Drawing Title (LEGEND & ABBREVIATIONS), Phase (FINAL SUBMISSION), Project Title (VAMC PROVIDENCE, RI FCA PAVEMENT REPAIRS AIR FORCE DRIVE), Project Number (650-07-102), Location (PROVIDENCE, R.I.), Issue Date (2/21/2018), Checked (MR/RG), Drawn (ML), Drawing Number (C-003).

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE US DEPARTMENT OF VETERANS AFFAIRS OFFICE OF CONSTRUCTION & FACILITIES MANAGEMENT STANDARDS AND THE RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AUGUST 2013 AND AS AMENDED. THE MORE STRINGENT REQUIREMENT CONTROLS.
- ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD. IN ACCORDANCE WITH SECTION 106.06 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING THE CONTRACTOR TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
- THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS REQUIRED AND AS DIRECTED BY OWNER OR OWNER'S REPRESENTATIVE.
- ASPHALT EMULSION TACK COAT SHALL BE PLACED ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS.
- THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE OWNER OR OWNER'S REPRESENTATIVE.
- UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE OWNER OR OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
- NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
- ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (DEM), AND/OR THE ARMY CORPS OF ENGINEERS (ACE). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, E.G. HEADWALL, DRAINAGE INLET, THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE, SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY BUILDING PERMITS INCLUDING BUT NOT LIMITED TO CLEARING, DEMOLITION, SITEWORK AND ALL OTHER PERMITS THAT MAY APPLY.
- ALL PAVEMENT REMOVAL SHALL BE SAWCUT SMOOTH WITH TRUE ALIGNMENT.
- SHOULD ANY UNEXPECTED OR UNANTICIPATED CONDITIONS BE ENCOUNTERED THAT AFFECT THE DESIGN OR SITE WORK, THE CONTRACTOR SHALL INFORM THE OWNER AND THE OWNER'S REPRESENTATIVE IMMEDIATELY AND CEASE ALL WORK RELATED TO THE CONDITION.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

- ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
- TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND/OR RELOCATED.
- THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN DAVIS PARK OR LEGALLY PARKED OFF CAMPUS. CONTRACTOR PARKING SHALL BE COORDINATED WITH THE OWNER PRIOR TO COMMENCEMENT OF ANY WORK.
- TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
- FOR THIS PROJECT A LOCAL DETOUR ROUTE IS PROPOSED AS SHOWN ON THE TRAFFIC DETOUR PLAN (PLAN SHEET C-120) INCLUDED IN THIS PLAN SET. THE DETOUR ROUTE WILL REMAIN IN OPERATION FOR THE DURATION OF CONSTRUCTION OR AS ORDERED BY THE OWNER OR OWNER'S REPRESENTATIVE.

SOIL EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK UPDATED 2016 AND AS AMENDED.
- NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE RESTABILIZED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION. IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.
- STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODIBLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH R.I. STD. 9.1.0 AND/OR R.I. STD. 9.2.0 TO STABILIZE.
- JUTE MESH SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
- SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
 - SEEDING TYPE I
 - ADHESIVE MULCH STABILIZER
- UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH AN INACTIVE WINTER SEASON.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
- INLET SEDIMENT BAG PROTECTION SHALL BE INSTALLED AT ALL INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ADJUTING GROUND SURFACES ARE STABILIZED. SEE DRAWING NO. C-504, DETAILS 30 & 31.
- WHERE BALED HAY INLET PROTECTION AND SILT FENCES ARE USED AT PIPE INLETS, THEY SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.
- THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.
- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.
- ALL HAY BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.
- THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE GOVERNMENT.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ADDITIONAL EROSION CONTROLS, SHALL BE INSTALLED AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- EROSION AND SEDIMENT CONTROL MEASURES SHOWN REPRESENT THE MINIMAL ALLOWABLE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE APPROPRIATE LEVEL OF CONTROL MEASURES DURING CONSTRUCTION ACTIVITIES.
- ALL EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR A MINIMUM OF ONCE PER WEEK AND AFTER ANY STORM EVENT WHICH GENERATES AT LEAST 0.25 INCHES OF RAIN.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES FOR THE DURATION OF THE PROJECT.


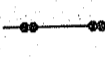

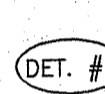
UTILITY NOTES:

- THE CONTRACTOR SHALL CONTACT "DIG SAFE" AT 1-888-344-7233 (OR 811) A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY WORK, DRILLING, EXCAVATION OR ANY OTHER SITE DISTURBANCE ON OR ADJACENT TO THIS PROJECT SITE.
- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39-1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE GOVERNMENT.
- PRIOR TO ANY EXCAVATION WORK, THE CONTRACTOR SHALL EXCAVATE EXPLORATORY TEST HOLES TO DETERMINE THE LOCATION OF UNDERGROUND UTILITIES. EXPLORATORY TEST ARE NOT LIMITED TO LOCATIONS SHOWN ON THE PROJECT PLANS.
- THE CONTRACTOR SHALL COORDINATE ALL UTILITY SHUT DOWNS, CONNECTIONS, ABANDONMENTS AND INSTALLATIONS WITH THE APPROPRIATE UTILITY COMPANY.
- ALL UTILITY WORK SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS OF THE APPROPRIATE UTILITY AUTHORITY.
- ALL CATCH BASINS SHALL HAVE A MINIMUM 26" SUMP AND HOOD OUTLET PIPE SYSTEM.

SURVEY NOTES:

- THE EXISTING CONDITIONS SHOWN FOR AIR FORCE DRIVE ARE BASED UPON AN ACTUAL ON THE GROUND INSTRUMENT SURVEY PREPARED BY AI ENGINEERS, INC., JANUARY 2017. THE HORIZONTAL DATUM IS BASED ON NAD83. THE VERTICAL DATUM IS BASED ON NAVD 88.

JOB SPECIFIC LEGEND & NOTES

-  TREE PROTECTION
-  SILT FENCE
-  PROPOSED CURB ACCESS RAMP (RI STD. 7.1.3)
DETECTABLE WARNING STRIP (DETAIL #12)
GRANITE TRANSITION CURB (RI STD. 7.3.3) (DETAIL #18)
GRANITE CURB SET FLUSH (RI STD. 7.3.0) (DETAIL #13)
-  PROPOSED CORRESPONDING DETAIL
SEE SHEET C-500 TO C-508
- ELEC ELECTRIC
- GRAN GRANITE
- RET RETAINING
- SKW SIDEWALK

SUGGESTED CONSTRUCTION SEQUENCE

- ALL ROADWAY CLOSURES SHALL BE COORDINATED WITH THE OWNER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND ERECT ALL DETOUR SIGNAGE. EXTENT OF SIGNAGE AND TIME PERIODS OF ROADWAY CLOSURE SHALL BE APPROVED BY THE OWNER PRIOR TO COMMENCEMENT OF ANY RELATED WORK. IT IS THE INTENT OF THE OWNER TO MINIMIZE ROADWAY CLOSURE PERIODS AND ANY REQUIRED UTILITY SHUT DOWNS.
- THE CONSTRUCTION PHASING LISTED IS ONLY A RECOMMENDED SEQUENCE OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR FOR DEVELOPING A CONSTRUCTION PHASING PLAN.


Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

JAN 17 2020
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 10 2020
LE 19-0351
CHANGES ALLOWED WITHOUT PRIOR APPROVAL
PROPOSED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wensch

100% DESIGN	02/01/18
80% DESIGN	12/12/17
35% DESIGN	10/13/17
Revisions:	Date:

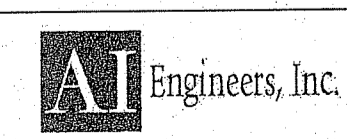
CONSULTANT
GEOTECHNICAL ENGINEERING
GEI Consultants, Inc.
44 Winding Brook Drive
Glastonbury, CT 06033
860-368-5300



Consulting Engineers and Scientists

ARCHITECT/ENGINEER OF RECORD

A/E:
AI ENGINEERS INC.
919 MIDDLE STREET
MIDDLETOWN, CT 06457
(860) 635-7740

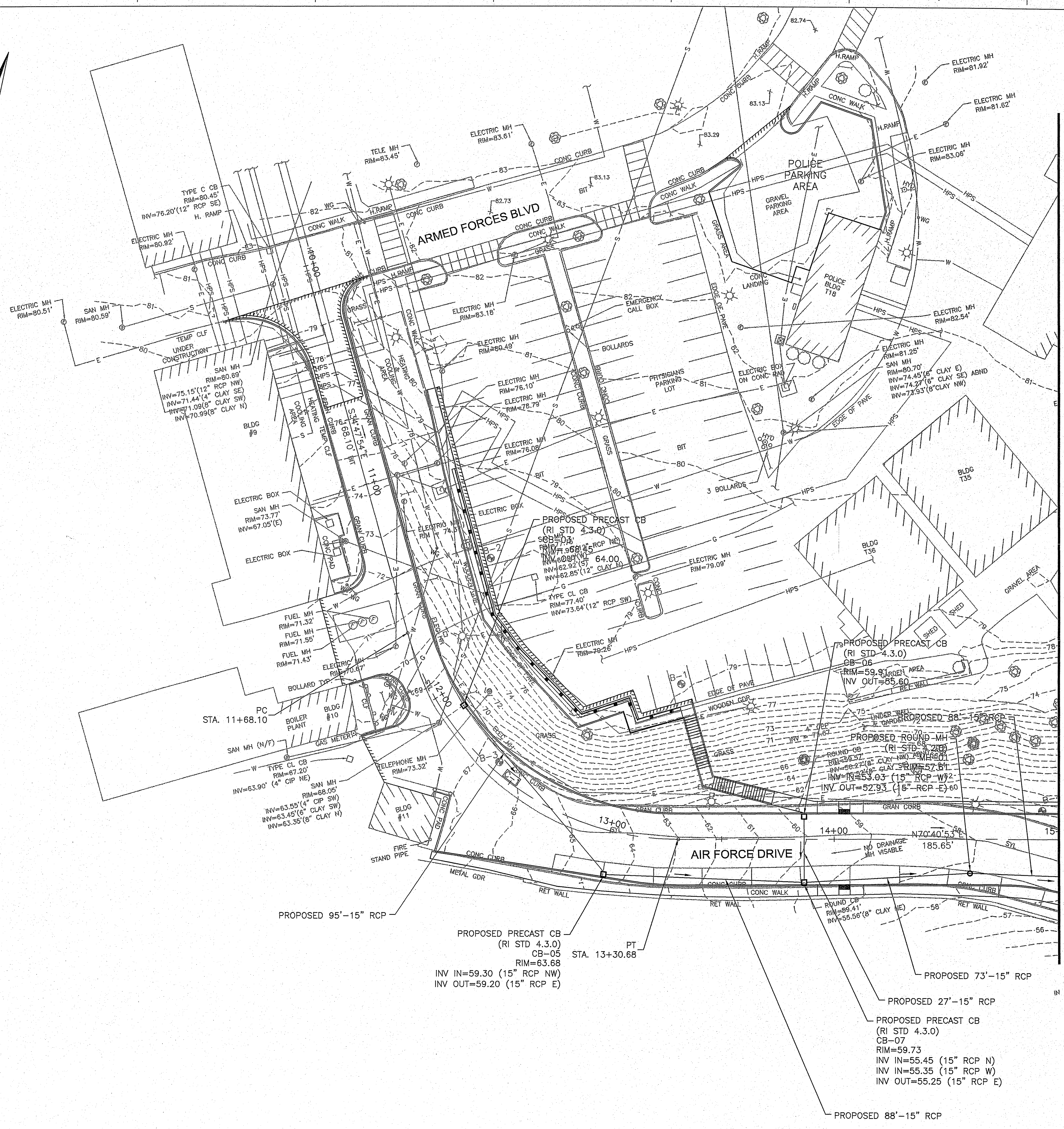


STAMP

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title STANDARD NOTES & JOB SPECIFIC LEGEND	Phase FINAL SUBMISSION
Approved: Project Director	

Project Title VAMC PROVIDENCE, RI FCA PAVEMENT REPAIRS AIR FORCE DRIVE	Project Number 650-07-102 Building Number
Location PROVIDENCE, R.I.	Drawing Number C-004
Issue Date 2/21/2018	Checked MR/RG
	Drawn ML

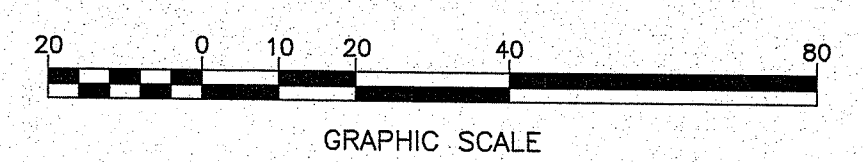


MATCHLINE AIR FORCE DRIVE STA. 15+00 DWG. NO. C-111

Kindly be advised that this Permit is not valid to a modification of freshwater wetlands on site.

SEP 10 2020 FILE # 19-0354
 AND CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Sencel

JAN 17 2020
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Revisions:	Date:

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ARCHITECT/ENGINEER OF RECORD
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 919 MIDDLE STREET
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 VA U.S. Department of Veterans Affairs

Drawing Title
AIR FORCE DRIVE UTILITY PLAN-1
 Approved: Project Director

Phase
FINAL SUBMISSION

Project Title
**VAMC PROVIDENCE, RI
 FCA PAVEMENT REPAIRS
 AIR FORCE DRIVE**

Location
PROVIDENCE, R.I.

Issue Date
 2/21/2018

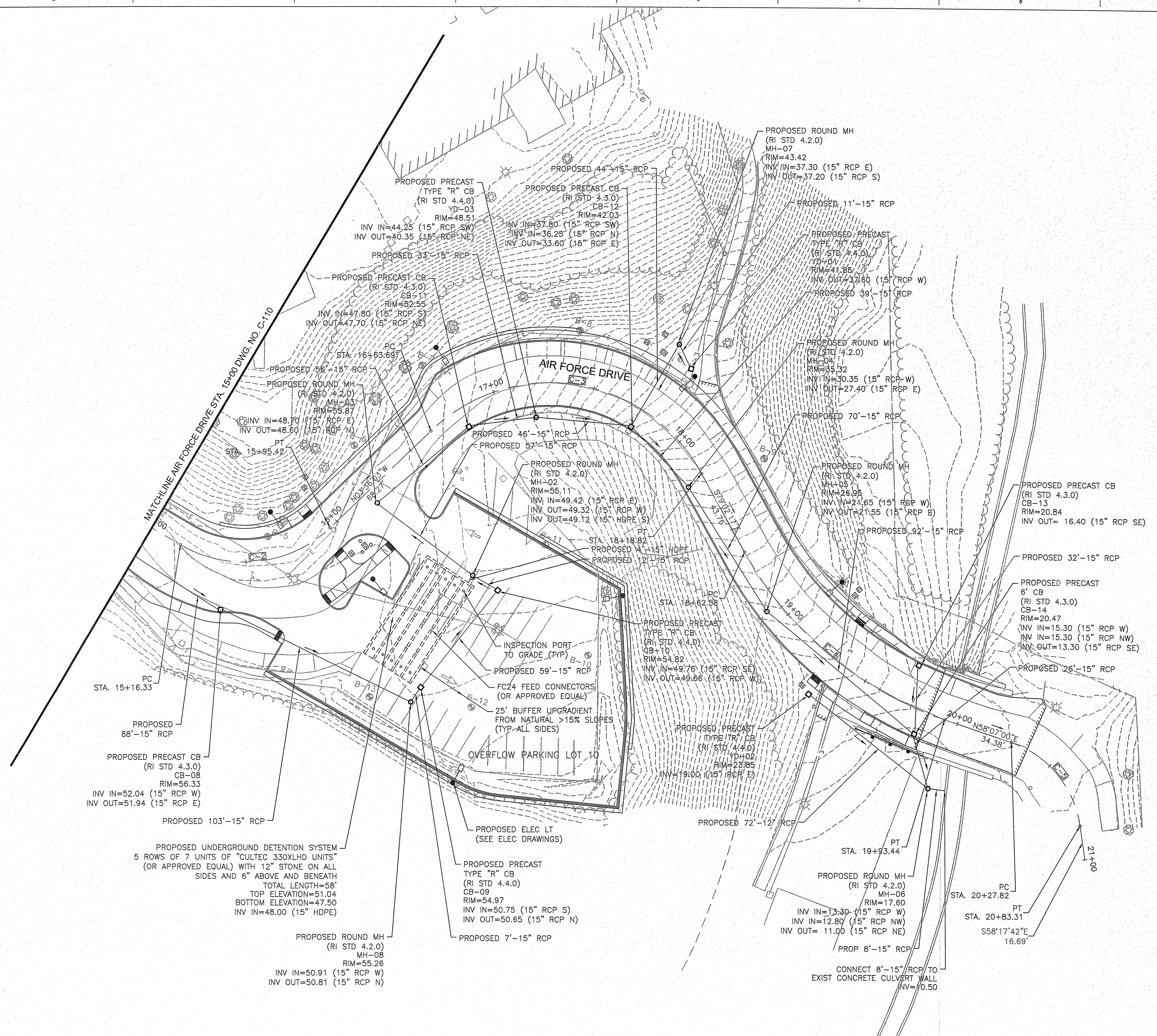
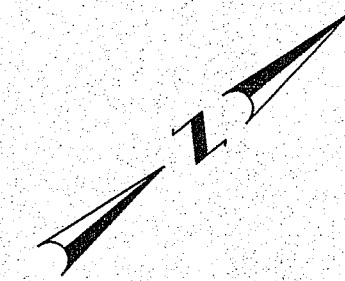
Checked
 MR/RG

Drawn
 ML

Project Number
 650-07-102

Building Number

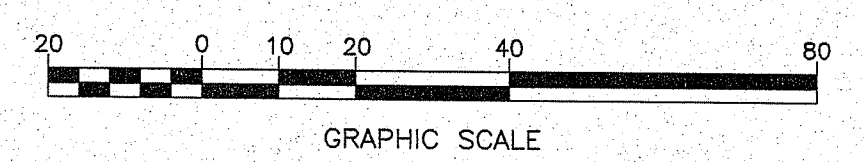
Drawing Number
C-110



Kindly be advised that this Permit is not a guarantee to a verification of the type or extent of freshwater wetlands on site.

Martin D. Seneck
 DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED SEP 10 2020 FILE # 19-0354
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

JAN 17 2020
 Office of Water Resources



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Office of Construction and Facilities Management
 U.S. Department of Veterans Affairs

Drawing Title
AIR FORCE DRIVE UTILITY PLAN-2
 Approved: Project Director

Phase
FINAL SUBMISSION

Project Title
**VAMC PROVIDENCE, RI
 FCA PAVEMENT REPAIRS
 AIR FORCE DRIVE**

Location
PROVIDENCE, R.I.

Issue Date
 2/21/2018

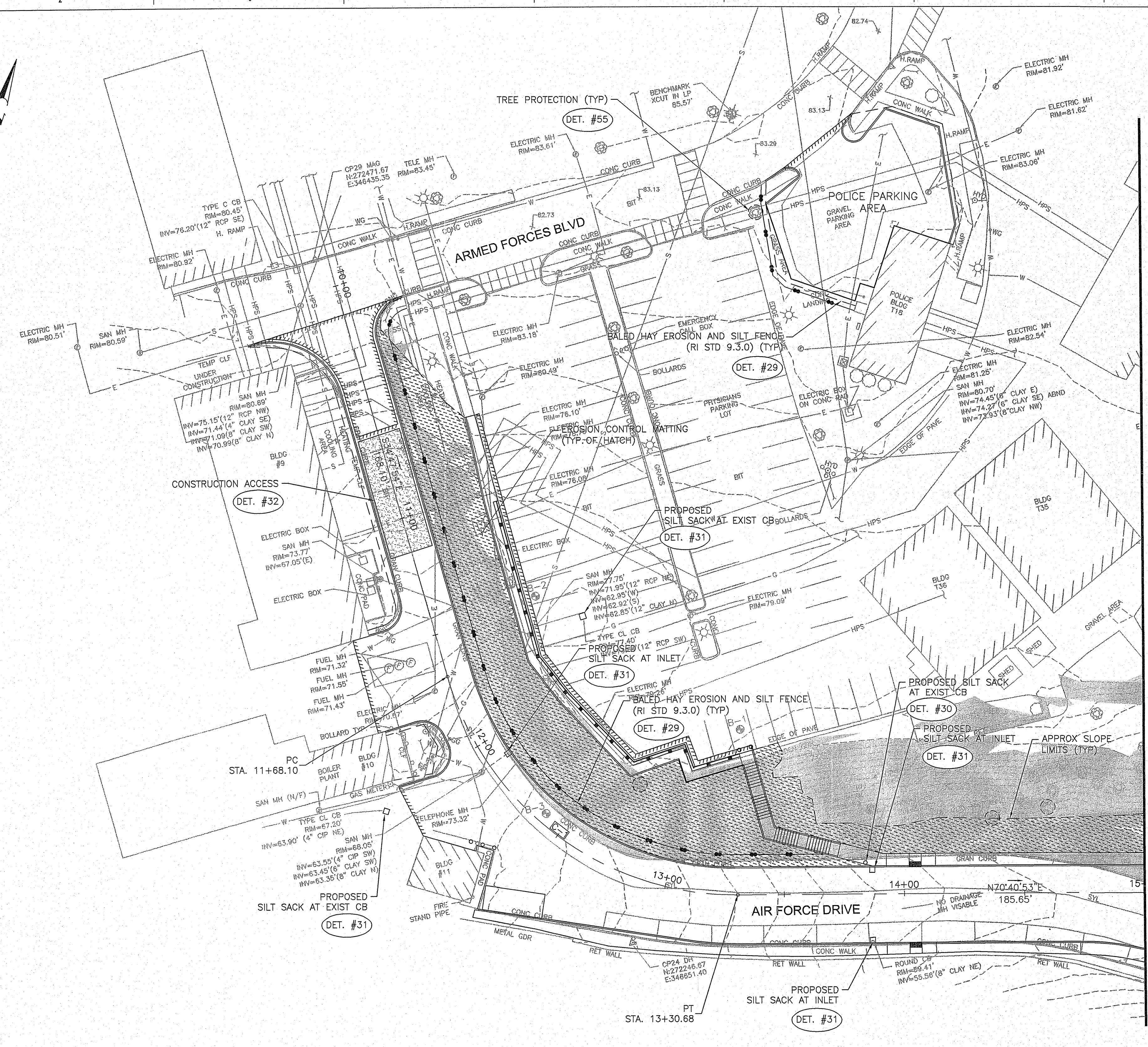
Checked
 MR/RG

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 ML

Project Number
 650-07-102

Building Number

Drawing Number
C-111



MATCHLINE AIR FORCE DRIVE STA. 15+00 DWG. NO. C-113

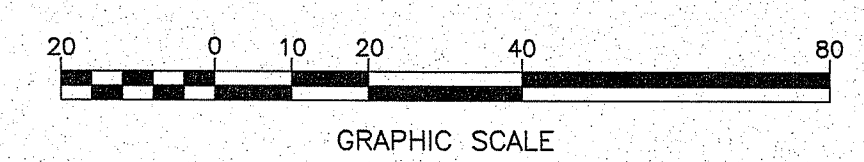
APPROVED FOR CONSTRUCTION

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED SEP 10 2020 FILE # 19-0354
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Martin D. Wencel

LEGEND

- EXISTING SLOPES GREATER THAN 15%
- EROSION CONTROL MATTING
- CONSTRUCTION ACCESS

JAN 17 2020



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35% DESIGN	10/13/17
Revisions:	Date:

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Office of Construction and Facilities Management
 VA U.S. Department of Veterans Affairs

Drawing Title
AIR FORCE DRIVE EROSION CONTROL PLAN-1

Approved: Project Director

Phase
FINAL SUBMISSION

Project Title
 VAMC PROVIDENCE, RI
 FCA PAVEMENT REPAIRS
 AIR FORCE DRIVE

Project Number
 650-07-102

Building Number

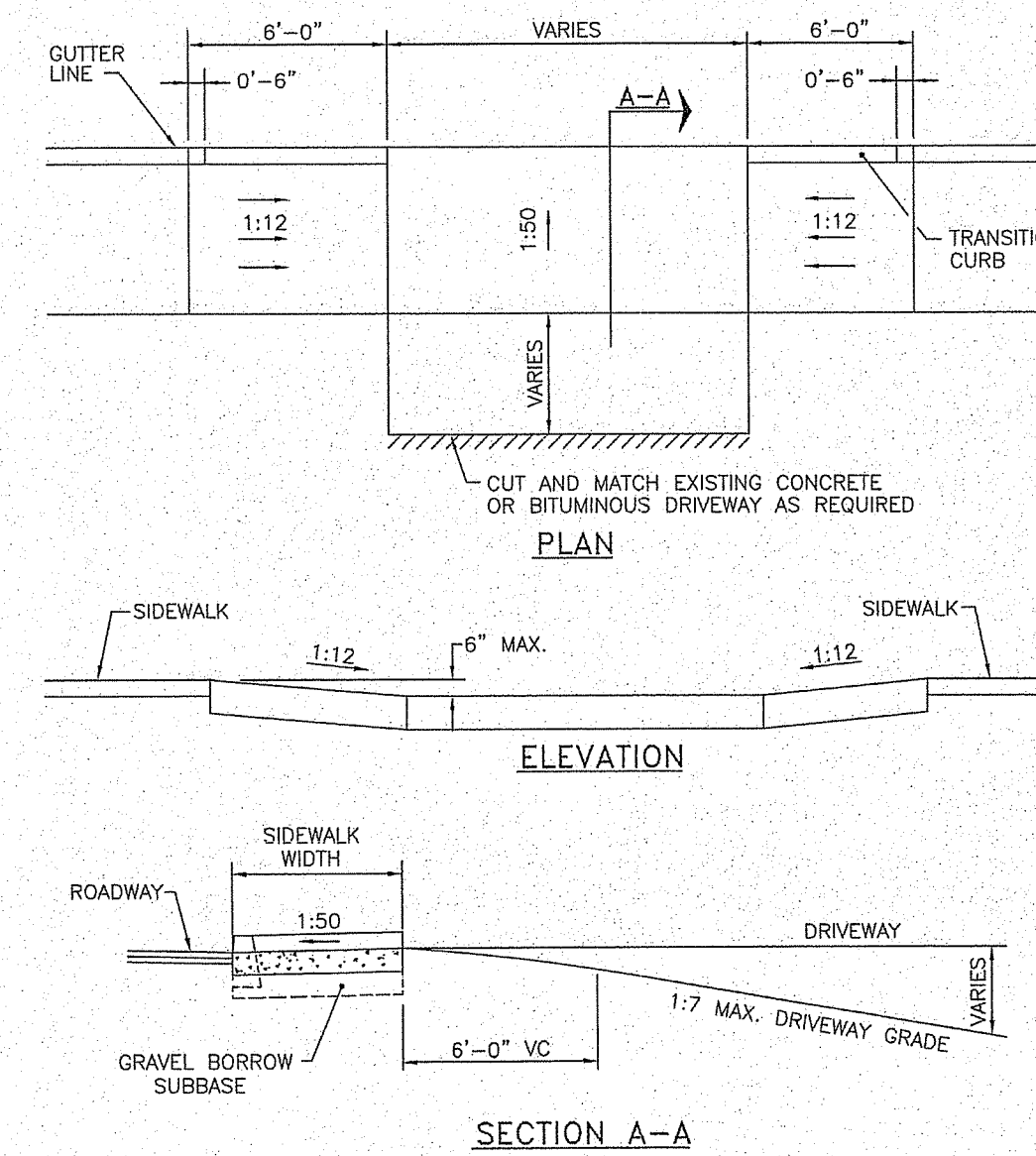
Location
 PROVIDENCE, R.I.

Issue Date
 2/21/2018

Checked
 MRRG

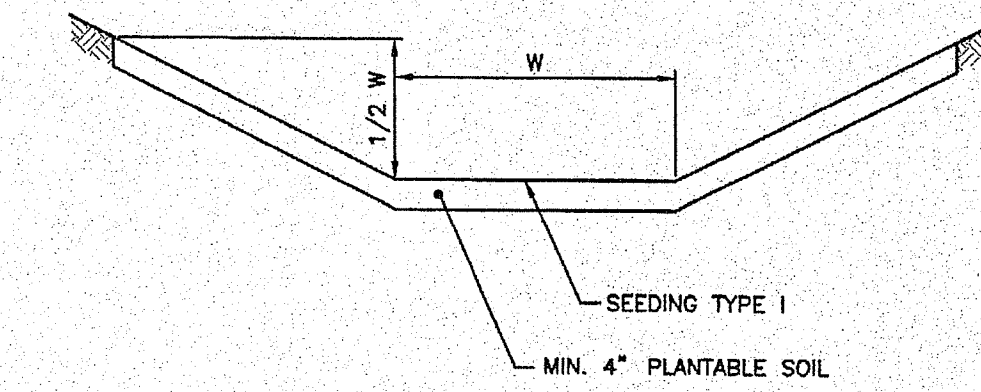
Drawn
 ML

Drawing Number
C-112



NOTE: SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.

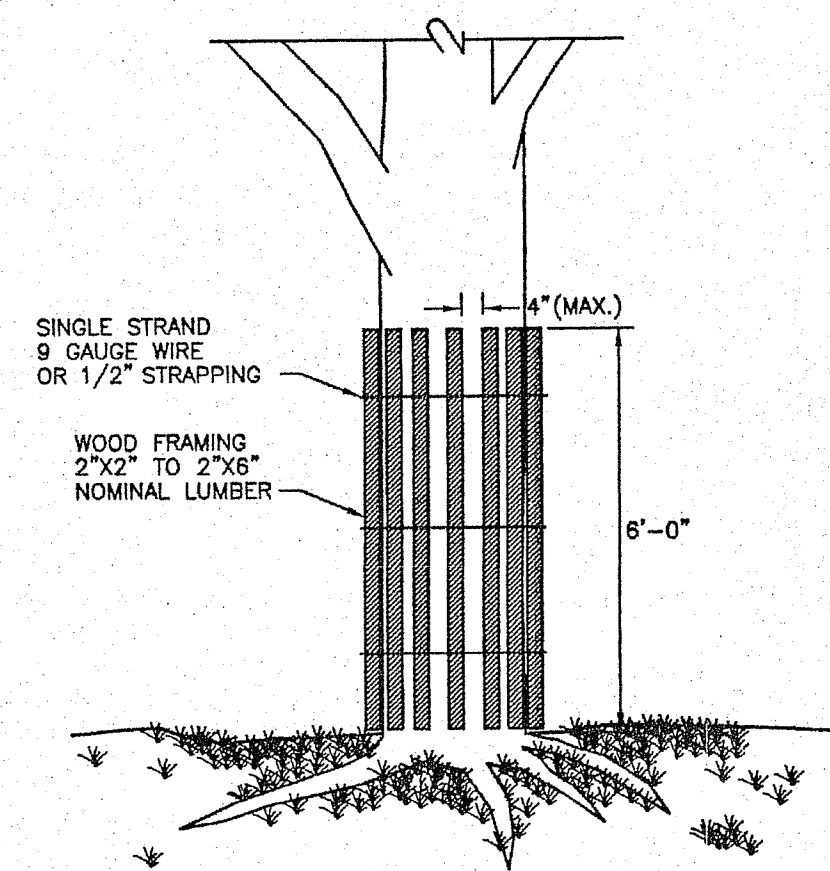
53 RI STD. 43.4.1 DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB
NTS



NOTE: SLOPES MAY VARY TO SUIT CONDITIONS AS PER PLANS OR ENGINEER.

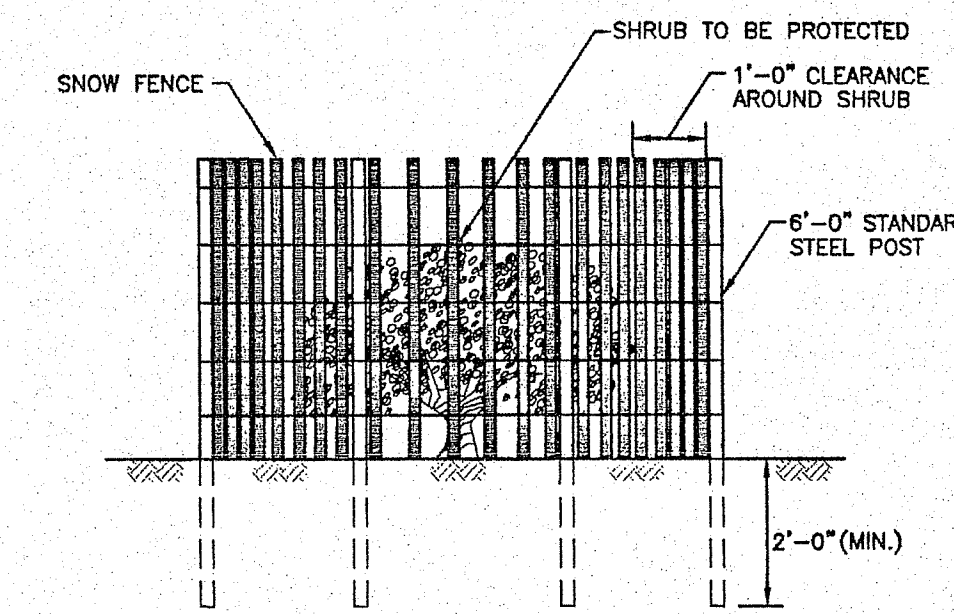
54 RI STD. 8.1.0 SEEDED DITCH
NTS

Kindly be advised that this Permit is not equivalent to a certification of the type or extent of freshwater wetlands on site.



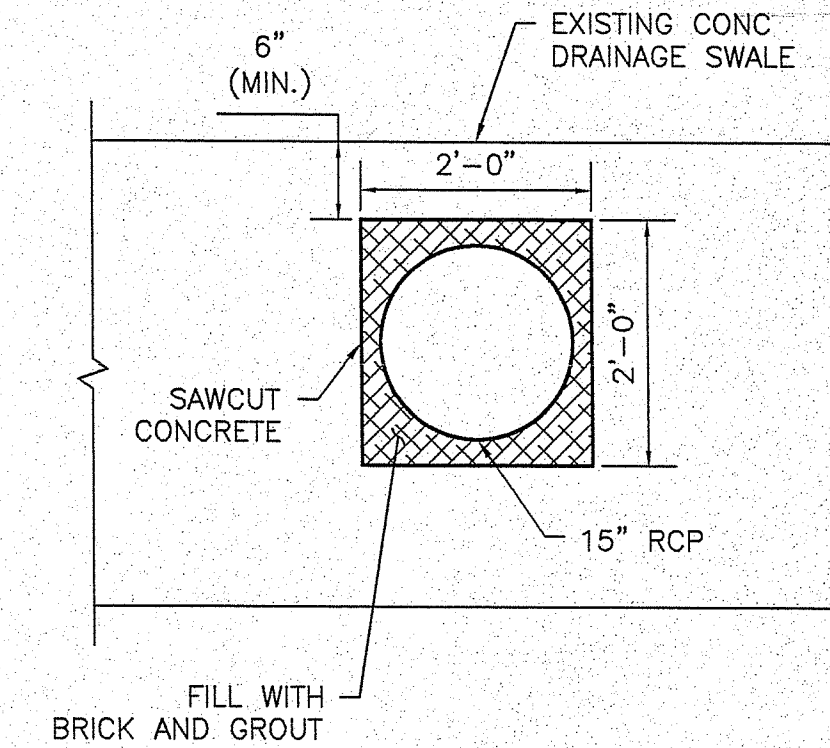
NOTE: SHALL BE IN ACCORDANCE WITH SECTION L.11 OF THE STANDARD SPECIFICATIONS.

55 RI STD. 51.1.0 TREE PROTECTION DEVICE
NTS



NOTE: SHALL BE IN ACCORDANCE WITH SECTION L.11 OF THE R.I. STANDARD SPECIFICATIONS.

56 RI STD. 51.2.0 SHRUB PROTECTION DEVICE
NTS



57 CONCRETE DRAINAGE SWALE CORING
NTS

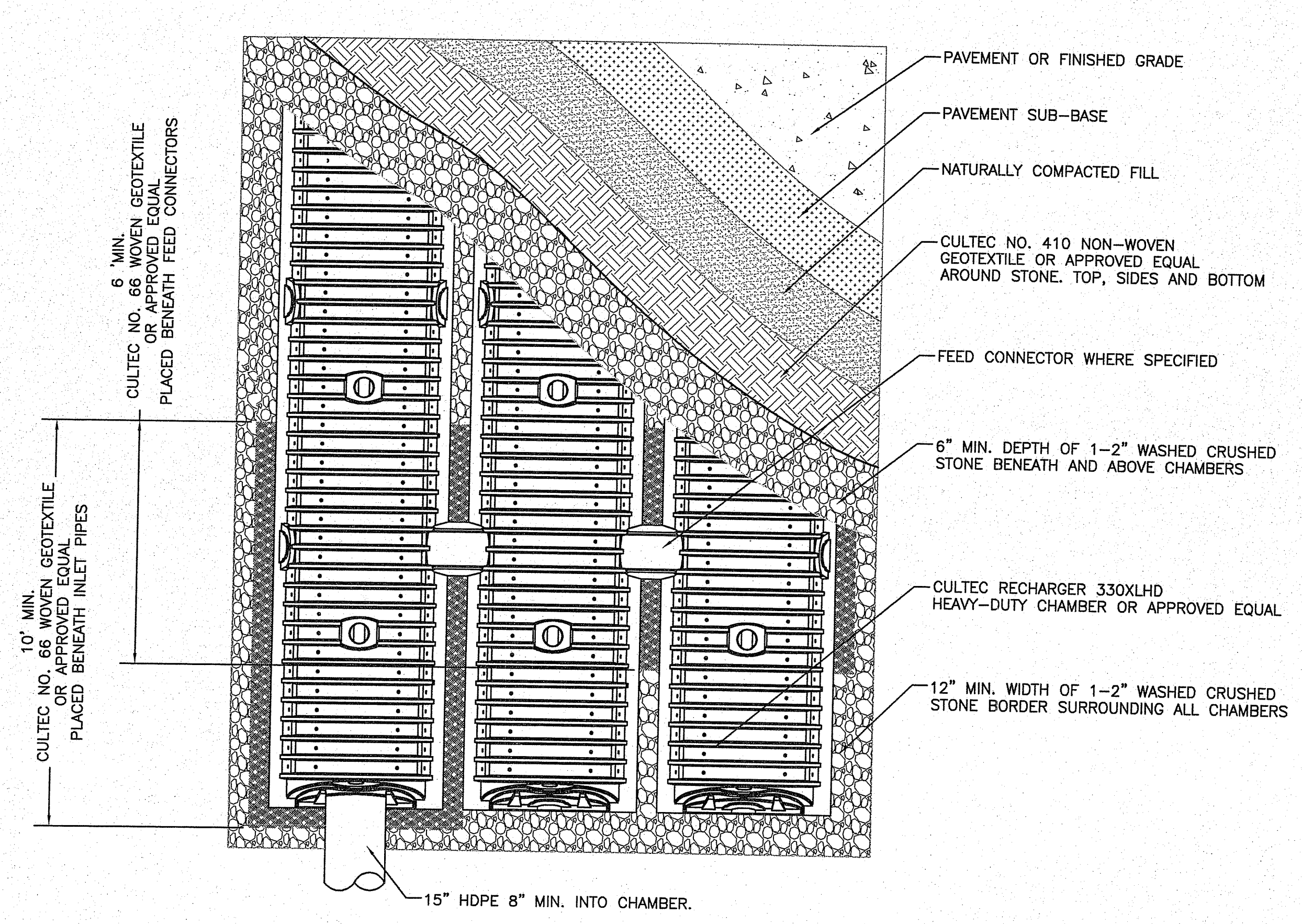
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED BY THE ORDER OF APPROVAL
DATED SEP 10 2020 FILE # 19-0354
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Ernestine D. Wenczek

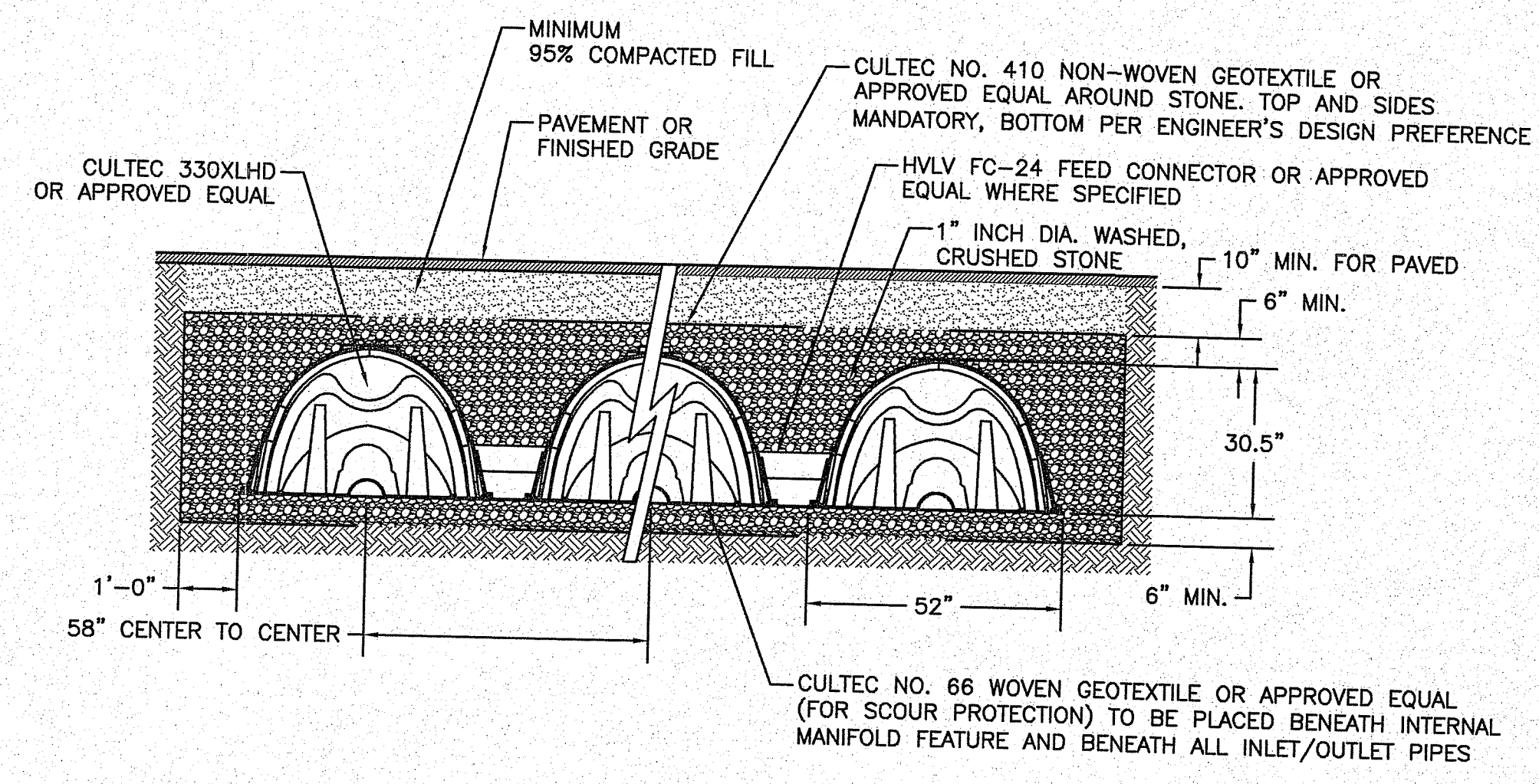
Environmental Management
JAN 17 2020
Office of Water Resources

CONSULTANT GEOTECHNICAL ENGINEERING GEI Consultants, Inc. 44 Winding Brook Drive Glastonbury, CT 06033 860-368-5300 		ARCHITECT/ENGINEER OF RECORD A/E: AI ENGINEERS INC. 919 MIDDLE STREET MIDDLETOWN, CT 06457 (860) 635-7740 		STAMP	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title MISCELLANEOUS DETAILS-8 Approved: Project Director	Phase FINAL SUBMISSION	Project Title VAMC PROVIDENCE, RI FCA PAVEMENT REPAIRS AIR FORCE DRIVE	Project Number 650-07-102 Building Number
100% DESIGN 02/01/18 60% DESIGN 12/12/17 35% DESIGN 10/13/17 Revisions: Date:	Consulting Engineers and Scientists		(860) 635-7740		U.S. Department of Veterans Affairs	Issue Date 2/21/2018	Checked MR/RG	Drawn ML	Drawing Number C-507

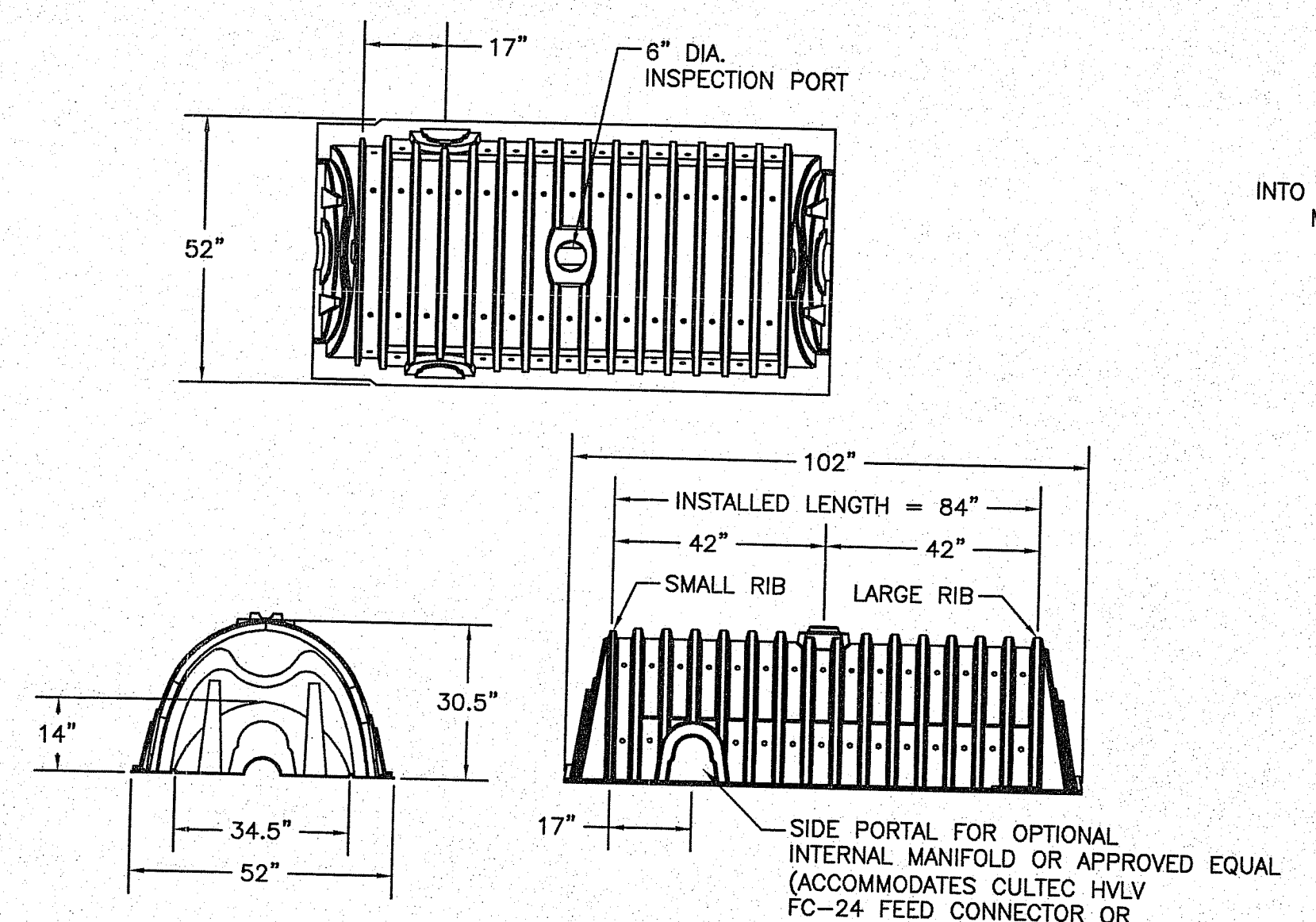
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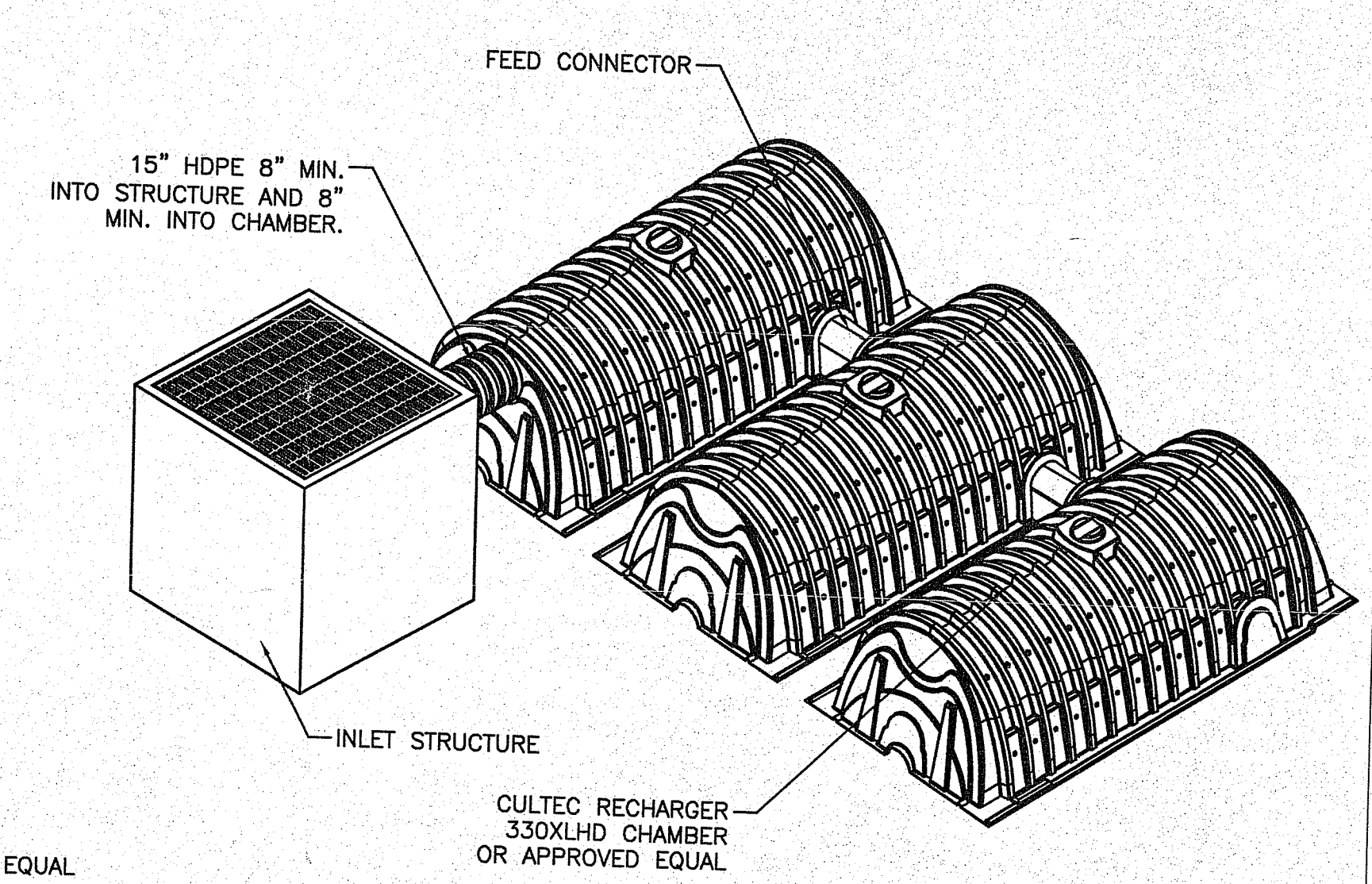
58 UNDERGROUND STORMWATER DETENTION SYSTEM PLAN VIEW
NTS



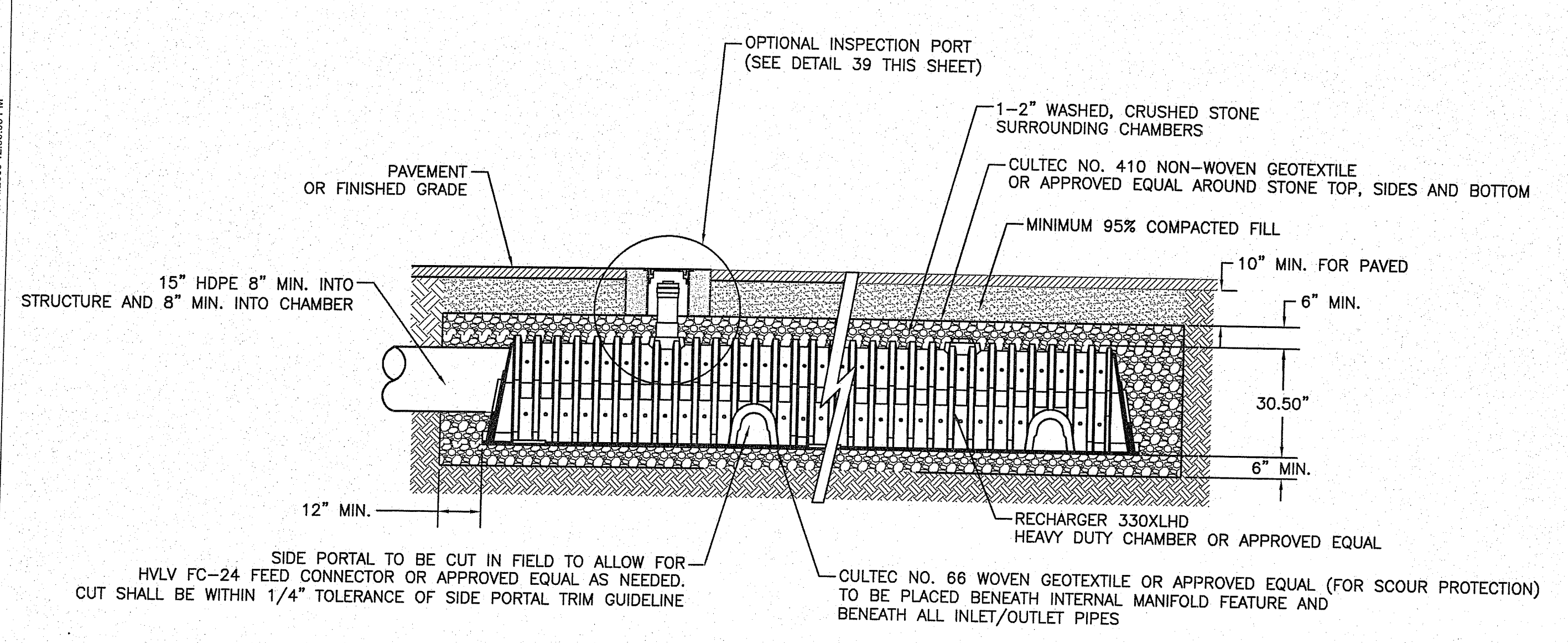
59 UNDERGROUND STORMWATER DETENTION SYSTEM TYPICAL CROSS SECTION
NTS



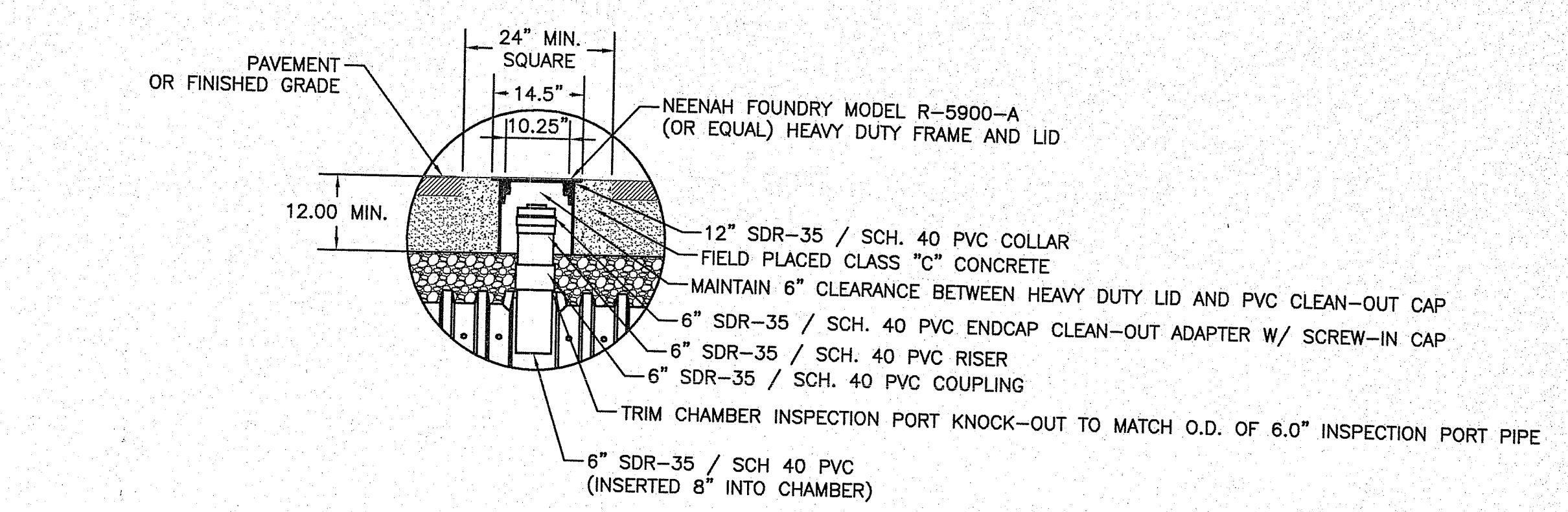
60 UNDERGROUND STORMWATER DETENTION SYSTEM THREE VIEW
NTS



61 UNDERGROUND STORMWATER DETENTION SYSTEM INLET CONNECTION
NTS



62 UNDERGROUND STORMWATER DETENTION SYSTEM INSPECTION PORT DETAIL
NTS



63 INSPECTION PORT
NTS

Kindly be advised that this
Plan is subject to a
Department of Environmental Management
of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP. 1.0 2020 19-0354
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Senech

JAN 17 2020
Office of Water Resources

NOTE:
CONTRACTOR TO REFER TO DRAWING NO. C-111 FOR LAYOUT
AND DIMENSIONS OF STORMWATER DETENTION SYSTEM.

100% DESIGN	02/01/18
60% DESIGN	12/12/17
35% DESIGN	10/13/17
Revisions:	Date:

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GEOTECHNICAL ENGINEERING
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GEI
Consultants
Consulting
Engineers and
Scientists

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AI Engineers, Inc.

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Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
STORMWATER DETAILS-1

Approved: Project Director

Phase
FINAL SUBMISSION

Project Title
VAMC PROVIDENCE, RI
FCA PAVEMENT REPAIRS
AIR FORCE DRIVE

Project Number
650-07-102

Building Number

Location
PROVIDENCE, R.I.

Issue Date
2/21/2018

Checked
MR/RG

Drawn
ML

Drawing Number
C-508

ELECTRICAL ABBREVIATIONS

1PH	SINGLE PHASE	J-BOX	JUNCTION BOX
3PH	THREE PHASE	k	KILO
1/C	ONE CONDUCTOR	kV	KILOVOLT
2/C	TWO CONDUCTOR	kVA	KILOVOLT AMPERE
3/C	THREE CONDUCTOR	kVAH	KILOVOLT AMPERE PER HOUR
4/C	FOUR CONDUCTOR	kVAR	KILOVOLT AMPERE REACTIVE
4W	FOUR WIRE	kW	KILOWATT
1P	ONE POLE	kWh	KILOWATT HOUR
2P	TWO POLE	LED	LIGHT EMITTING DIODE
3P	THREE POLE	LF	LINEAR FEET (FOOT)
4P	FOUR POLE	LM	LUMEN
A/C UNIT	AIR CONDITIONING UNIT	LPS	LOW PRESSURE SODIUM
A/E	ARCHITECT/ENGINEER	LR	LOCKED ROTOR AMPS
AC	ALTERNATING CURRENT OR ARMORED CABLE	LTG	LIGHTING
ADDL.	ADDITIONAL	LTG PNL	LIGHTING PANEL
ADJ	ADJACENT	LV	LOW VOLTAGE
AF	AMPERE FRAME	MATV	MASTER ANTENNA TELEVISION SYSTEM
AFC	ABOVE FINISHED COUNTER	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MC	METAL CLAD CABLE
AFG	ABOVE FINISHED GRADE	MCA	MINIMUM CIRCUIT AMPS
AHJ	AUTHORITY HAVING JURISDICTION	MCB	MAIN CIRCUIT BREAKER
AIC	AMPERE INTERRUPTING CAPACITY	MCC	MOTOR CONTROL CENTER
ALT	ALTERNATE	MCCP	MAIN DISTRIBUTION PANEL
AMB	AMBIENT	MECH	MECHANICAL
AMP OR A	AMPERE	MH	MANHOLE
ARCH	ARCHITECT	MIN	MINIMUM
AT	AMPERE TRIP	MOC	MAXIMUM OVERCURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
AUTO	AUTOMATIC	MTD	MOUNTED
AV	AUDIO VISUAL	MTS	MANUAL TRANSFER SWITCH
BAT	BATTERY	MV	MEDIUM VOLTAGE
BFF	BELOW FINISH FLOOR	MVA	MEGAVOLT-AMPERE
BIL	BASIC INSULATION LEVEL	MW	MEGAWATT
BLDG	BUILDING	NA	NOT APPLICABLE
BYP	BY PASS	NEC	NATIONAL ELECTRICAL CODE
C	CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CATV	COMMUNITY ANTENNA TELEVISION	NEUT OR N	NEUTRAL
CCTV	CLOSED CIRCUIT TELEVISION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
cd	CANDELA	NIC	NOT IN CONTRACT
CD	CONSTRUCTION DOCUMENTS	NL	NIGHT LIGHT
CHW	CHILLED WATER	NO	NORMALLY OPEN
CHWP	CHILLED WATER PUMP	NTS	NOT TO SCALE
CKT	CIRCUIT	OC	ON CENTER
C/B	CIRCUIT BREAKER	OD	OUTSIDE DIAMETER
CLF	CURRENT LIMITING FUSE	OL	OVERLOAD
CLG	CEILING	P	POLE
COAX	COAX CABLE	PA	PUBLIC ADDRESS
COMM	COMMUNICATION	PB	PUSHBUTTON
CPT	CONTROL POWER TRANSFORMER	PCB	POLYCHLORINATED BIPHENYL
CRI	COLOR RENDERING INDEX	PC	PHOTOELECTRIC CELL
CT	CURRENT TRANSFORMER	PED	PEDESTAL
CTV	CABLE TELEVISION	PEND	PENDING
CU	COPPER	PF	POWER FACTOR
CF	CUBIC FEET	PH	PHASE
db	DECIBELS	PNL	PANEL
DC	DIRECT CURRENT	PT	POTENTIAL TRANSFORMER
DEG C	DEGREES CELSIUS	PVC	POLYVINYL CHLORIDE (PLASTIC)
DEG F	DEGREES FAHRENHEIT	PWR	POWER
DEMO	DEMOLITION	RCP	REFLECTED CEILING PLAN
DISC	DISCONNECT	RE	REMOVE EXISTING
DISTR PNL	DISTRIBUTION PANEL	RECD	RECESSED
DN	DOWN	RECPT	RECEPTACLE
DPDT	DOUBLE POLE, DOUBLE THROW	RL	RELOCATE EXISTING
DPST	DOUBLE POLE, SINGLE THROW	RM	ROOM
DS	DOOR SWITCH	RMC/RGS	GALVANIZED RIGID METAL CONDUIT
DISC. SW	DISCONNECT SWITCH	RMS	ROOT MEAN SQUARE
DWG	DRAWING	REQ	REQUIRED
EL	ELEVATION	SD	SMOKE DETECTOR
ELEC	ELECTRIC OR ELECTRICAL	SF	SQUARE FOOT (FEET)
ELEV	ELEVATOR	SHT	SHEET
EMER	EMERGENCY	SPEC	SPECIFICATION
EMI	ELECTROMAGNETIC INTERFERENCE	SPST	SINGLE POLE, SINGLE THROW
EMT	ELECTRICAL METALLIC TUBING	SURF	SURFACE
ENCL	ENCLOSURE	SW	SWITCH
EPO	EMERGENCY POWER OFF	SWBD	SWITCHBOARD
ER	EXISTING TO REMAIN	SWGR	SWITCHGEAR
EWC	ELECTRIC WATER COOLER	TC	TIME CLOCK
EWH	ELECTRIC WATER HEATER	TEL	TELEPHONE
EXIST	EXISTING	TP	TWISTED PAIR
EXP	EXPLOSION PROOF	TPS	TWISTED PAIR SHIELDED
FA	FIRE ALARM	TV	TELEVISION
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TYP	TYPICAL
FACP	FIRE ALARM CONTROL PANEL	UG	UNDERGROUND
FC	FOOTCANDLE	UL	UNDERWRITERS LABORATORY
FIXT	FIXTURE	UNO	UNLESS OTHERWISE NOTED
FLA	FULL LOAD AMPS	UNO	UNLESS NOTED OTHERWISE
FMC	FLEXIBLE METAL CONDUIT	UPS	UNINTERRUPTIBLE POWER SUPPLY
FLUOR	FLUORESCENT	V	VOLT
FT	FEET OR FOOT	VFD	VARIABLE FREQUENCY DRIVE
FVNR	FULL VOLTAGE NON-REVERSING	VOLT	VOLTAGE
FVR	FULL VOLTAGE REVERSING	W	WATT
G OR GND	GROUND	WH	WATER HEATER
GEN	GENERATOR	WP	WEATHERPROOF
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	XFMR	TRANSFORMER
HID	HIGH INTENSITY DISCHARGE	XFMR	TRANSFORMER
HOA	HAND-OFF-AUTOMATIC		
HP	HORSEPOWER		
HT	HEIGHT		
HZ	HERTZ		
IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA		
IMC	INTERMEDIATE METAL CONDUIT		
INCAND	INCANDESCENT		
IR	INFRARED		
IWH	INSTANTANEOUS WATER HEATER		

DIAGRAM SYMBOLS

	DELTA CONNECTION
	MOTOR, SINGLE-PHASE
	MOTOR, THREE-PHASE
	TRANSFORMER
	WYE CONNECTION
	EARTH GROUND
	LIGHT EMITTING DIODE
	LINEAR FEET (FOOT)
	LUMEN
	LOW PRESSURE SODIUM
	LOCKED ROTOR AMPS
	LIGHTING
	LIGHTING PANEL
	LOW VOLTAGE
	NORMALLY CLOSED RELAY CONTACT
	NORMALLY OPEN RELAY CONTACT
	FUSE WITH RATING
	FUSIBLE LINK
	MOLDED CASE CIRCUIT BREAKER
	LOW-VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
	HIGH-VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
	SWITCH AND FUSE UNIT
	FUSED DRAWOUT POTENTIAL TRANSFORMER
	RELAY
	50 = INSTANTANEOUS OVERCURRENT
	51 = TIME OVERCURRENT
	67 = DIRECTIONAL OVERCURRENT
	86 LOCK OUT
	GENERATOR, POWER
	BATTERY
	CAPACITOR
	POTHEAD
	STRESS CONE
	LIGHTNING ARRESTER
	METER
	AMMETER
	VOLTMETER
	WATTMETER
	WATT-HOUR METER
	LIGHT FIXTURE, CEILING SURFACE/RECESSED, LETTER INDICATES TYPE
	LIGHT FIXTURE, CEILING SURFACE/RECESSED, EMERGENCY; LETTER INDICATES TYPE
	LIGHT FIXTURE, RECESSED, LETTER INDICATES TYPE.
	LIGHT FIXTURE, SURFACE MTD, LETTER INDICATES TYPE.
	LIGHT FIXTURE, EMERGENCY; LETTER INDICATES TYPE.
	LIGHT TRACK WITH HEADS AS SHOWN
	LIGHT FIXTURE, STRIP/INDUSTRIAL FLUORESCENT; LETTER INDICATES TYPE.
	LIGHT FIXTURE, WALL MOUNTED
	LIGHTING, ONE HEAD EMERGENCY BATTERY POWER
	LIGHTING, TWO HEAD EMERGENCY BATTERY POWER
	LIGHTING, THREE HEAD EMERGENCY BATTERY POWER
	LIGHT POLE, ONE LUMINAIRE
	LIGHT POLE, TWO LUMINAIRES
	LIGHTING, EXTERIOR BUILDING
	EXTERIOR FLOOD LIGHT
	EXIT SIGN, WALL MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN
	EXIT SIGN, CEILING MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN
	LIGHT FIXTURE, BOLLARD
	LIGHT SWITCH
	BLANK = SINGLE POLE
	3 = THREE-WAY
	D = DIMMER
	LV = LOW VOLTAGE
	LM = LOW VOLTAGE MASTER
	PB = PUSH BUTTON STATION
	T = TIMER OPERATED
	X = EXPLOSION PROOF
	S = SENSOR
	OC = OCCUPANCY SENSOR
	OC = CEILING MOUNTED OCCUPANCY SENSOR: CONNECT AFTER WALL SWITCH IF PRESENT

LIGHTING SYMBOLS

POWER SYMBOLS

	MOTOR, SINGLE-PHASE
	MOTOR, THREE-PHASE
	TRANSFORMER, CHARACTERISTICS AS SCHEDULED OR AS SHOWN ON THE ONE LINE DRAWING
	EARTH GROUND
	HI VOLTAGE SWITCH ON CONCRETE PAD
	AUTOMATIC TRANSFER SWITCH ON CONCRETE PAD
	TRANSFORMER ON CONCRETE PAD
	JUNCTION BOX
	PULL BOX
	BRANCH CIRCUIT HOMERUN.
	FLOOR OUTLET, DATA COMMUNICATION
	OUTLET, DATA COMMUNICATION
	PUSH BUTTON
	DISTRIBUTION PANEL
	LIGHTING PANEL
	PANELBOARD CABINET, FLUSH MOUNTED
	PANELBOARD CABINET, SURFACE MOUNTED
	RECEPTACLE, CLOCK HANGER
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX ON EMERGENCY POWER
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER
	RECEPTACLE, QUADRUPLEX
	RECEPTACLE, SINGLE
	RECEPTACLE, SINGLE WITH SWITCH
	RECEPTACLE, SPECIAL PURPOSE
	DROP CORD, SINGLE CONVENIENCE OUTLET, 3-WIRE, GROUNDING TYPE, 20A, W/12 CONDUCTORS IN FLEXIBLE CORD (CENTER LINE OF OUTLET: 6"-6" AFF. MINIMUM).
	SURFACE MTD WIREWAY (OUTLETS ON 2'-0" CENTERS OR AS INDICATED), MTD 3'-6" AFF OR AS INDICATED.
	3-GANG COMPARTMENT BOX IN FLOOR FOR TELEPHONE, DATA & RECEPTACLE.
	VENTILATOR OR FAN COIL UNIT OUTLET
	CONDUIT TERMINATED 6" AFF IN STANDARD BOX FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	CONDUIT TERMINATED W/COUPLING (FLUSH W/FINISHED FLOOR) FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	SWITCH
	F = FUSED SWITCH
	L = LOCK
	M = MANUAL MOTOR STARTER (W/THERMAL OVERLOADS)
	PB = PUSH BUTTON STATION
	WP = WEATHER PROOF
	K = KEY OPERATED
	LM = LOW VOLTAGE MASTER
	MC = MOMENTARY CONTACT
	P = WITH PILOT LIGHT
	RC = REMOTE CONTROL
	X = EXPLOSION PROOF
	DISCONNECT SWITCH, FUSED 3 POLE W/SOLID NEUTRAL UON; "20" INDICATES FUSE SIZE; "30" INDICATES FRAME SIZE
	DISCONNECT SWITCH, UNFUSED 3 POLE W/SOLID NEUTRAL UON; "30" INDICATES FRAME SIZE
	COMBINATION MOTOR CONTROLLER WITH FUSED DISCONNECT SWITCH; 3 POLE WITH THERMAL OVERLOADS UON; "20" INDICATES NEMA SIZE; "20" INDICATES FUSE SIZE; "30" INDICATES FRAME SIZE
	MOTOR CONTROLLER, 3 POLE WITH THERMAL OVERLOADS UON; "3" INDICATES NEMA SIZE
	VARIABLE FREQUENCY DRIVE W/ DISCONNECT SWITCH, OVERCURRENT PROTECTION & ELECTRONIC OVERLOADS UON; "10" INDICATES HP RATING
	TIME CLOCK

SAFETY AND SECURITY SYMBOLS

	SECURITY ACCESS, ANNUNCIATOR PANEL
	SECURITY SYSTEM, CARD READER
	SECURITY ACCESS, VIDEO CAMERA WITH LENS
	F = FIXED MOUNT
	M = MOTION DETECTOR
	PZ = PAN AND ZOOM
	PTZ = PAN, TILT, AND ZOOM
	WP = WEATHERPROOF HOUSING
	ALARM, FIRE, COMMUNICATOR
	ALARM, FIRE, PANEL; LETTERS INDICATE AS FOLLOWS: FAC = CENTRAL CONSOLE, FACP = CONTROL PANEL, MFCAP = MASTER CONTROL PANEL, FAAP = ANNUNCIATOR PANEL
	ALARM, FIRE; LETTERS INDICATE AS FOLLOWS: BATT = BATTERIES, CHR = CHARGER, FAR = RECORDER
	ALARM, FIRE, TERMINAL CABINET.
	ALARM, FIRE, POST INDICATOR VALVE.
	ALARM, TRANSPONDER OR TRANSMITTER
	ALARM, FIRE, ADDRESSABLE INTERFACE MODULE
	ALARM, FIRE, REMOTE INDICATOR AND TEXT SWITCH
	ALARM, FIRE, MANUAL PULL STATION
	ALARM, GONG
	ALARM, HORN/LIGHT, ONE ASSEMBLY
	ALARM, HORN/LIGHT, ONE ASSEMBLY WITH CHIME
	ALARM, HORN/LIGHT, SEPARATE ASSEMBLY
	ALARM, LAMP LIGHT, SIGNAL LIGHT, STROBE
	ALARM, MANUAL CONTROL
	ALARM, MINI HORN
	ALARM, SPRINKLER SYSTEM WATER FLOW BELL
	ALARM, VOICE COMMUNICATION PANEL
	ALARM, FLOW SWITCH
	SUPERVISORY SWITCH
	EMERGENCY CALL FOR AID (BLUE LIGHT) STATION.

COMMUNICATION SYMBOLS

	CABLE TELEVISION LINE
	CLOSED CIRCUIT TELEVISION LINE, MINIMUM 1" CONDUIT
	FIBER OPTICS LINE, MINIMUM 1" CONDUIT
	TELEPHONE LINE, MINIMUM 1" CONDUIT
	DATA LINE, MINIMUM 1" CONDUIT
	TELECOMMUNICATIONS MANHOLE

DRAWING SYMBOLS

	DETAIL NUMBER
	DRAWING NUMBER WHERE DRAWN

NOTES

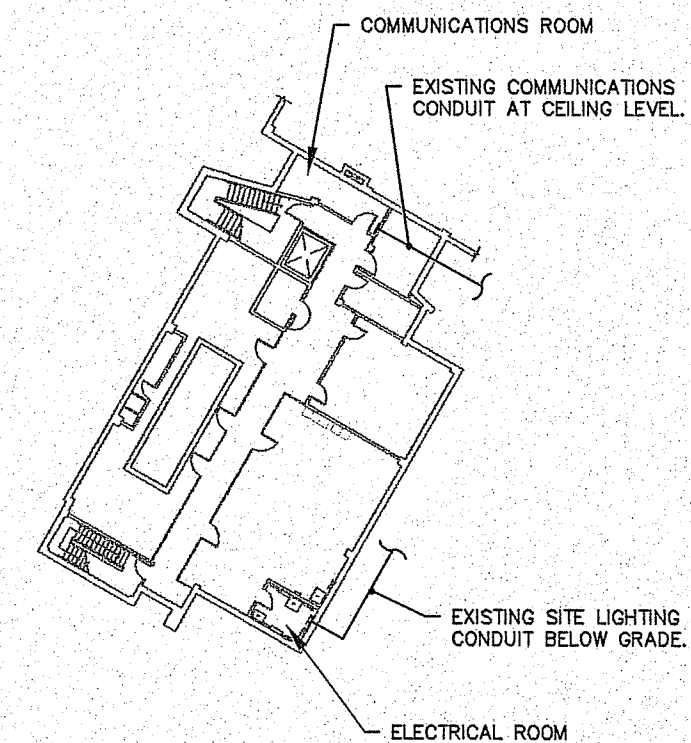
- VERIFY EXISTING CONDITIONS ON THE JOB SITE BEFORE BEGINNING ANY WORK. COORDINATE DEMOLITION AND NEW CONSTRUCTION WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK. COMMENCEMENT OF WORK SIGNIFIES ACCEPTANCE OF CONDITIONS.
- EXECUTE DEMOLITION IN A SAFE MANNER. EGRESS, EXITS AND FIRE PROTECTION REQUIREMENTS SHALL BE MAINTAINED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO COMPLETE THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVAL AND PROPER DISPOSAL, INCLUDING COSTS FOR HAULING AND DUMPING OF ALL MATERIAL DEMOLISHED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, FIRESTOPPING AND SEALING ALL NEW AND EXISTING WALL, FLOOR OR CEILING PENETRATIONS TO MATCH THE EXISTING CONDITION INCLUDING FIRE RATING.
- ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL CONFORM TO N.E.C. ARTICLES 110. CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE DUE TO ARCHITECTURAL CHANGES, EQUIPMENT LAYOUT CHANGES, OR FIELD CONDITIONS. DO NOT COVER, OBSCURE OR BLOCK ACCESS TO EQUIPMENT DATA PLATES, ACCESS PANELS OR MAINTENANCE AREAS WITH THE ELECTRICAL WORK.
- THESE DRAWINGS SHOW EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE. REFER TO RISERS AND DETAILS FOR ALL REQUIRED POWER AND CONTROL WIRING. COORDINATE CONDUIT ROUTE IN FIELD WITH OTHER TRADES, EQUIPMENT AND OWNER. VERIFY ALL MOUNTING HEIGHTS WITH OWNER AND ENGINEER PRIOR TO INSTALLATION.
- UNLESS OTHERWISE NOTED, EXISTING EQUIPMENT SUCH AS LIGHTING FIXTURES, WIRING DEVICES, CONDUITS, PANELS, SWITCHBOARDS, ETC. SHOWN ON PLANS TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY.
- UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE ALL WIRING TO IT'S OVER CURRENT PROTECTIVE DEVICE OR THE FIRST ACTIVE DEVICE OUTSIDE THE AREA OF WORK. REMOVE ALL RELATED CONDUIT AND WIRING WITHIN THE AREA OF WORK.
- UNLESS OTHERWISE NOTED, CONDUITS THAT EXTEND BEYOND THE AREA OF WORK SHALL BE CUT AND CAPPED AT AREA OF WORK PERIMETER.
- REMOVE ALL ACCESSIBLE INACTIVE OR ABANDONED WIRING OR CONDUIT OF ALL TYPES WITHIN THE AREA OF WORK. WHEN DIRECTED TO ABANDON IN PLACE EXISTING WIRING, TERMINATE SUCH WIRING IN A JUNCTION BOX AND LABEL IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE.
- MAINTAIN ALL EXISTING ACTIVE CONDUITS AND WIRING WITHIN THE AREA OF WORK THAT SERVES ADJOINING AREAS OR AS NOTED. THE CONTRACTOR IS RESPONSIBLE REPAIRING AND RESTORING ANY SUCH SERVICES INTERRUPTED BY HIS WORK.
- AS PART OF THE INSTALLATION OF NEW EQUIPMENT, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND RELOCATION OF MISCELLANEOUS EXISTING DEVICES AND CONDUIT THAT INTERFERE WITH THE NEW INSTALLATION. THIS INCLUDES DEVICES SUCH AS LIGHT FIXTURES, OUTLETS, JUNCTION BOXES AND CONDUIT.
- CONTRACTOR SHALL PROVIDE PLANS TO OWNER FOR ALL SHUTDOWNS AND INTERRUPTIONS WITH A MINIMUM OF 2 WEEKS NOTICE UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.

Kindly be advised that this Permit is not equivalent to a modification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 10 2020 FILE # 19-0354
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Venezia

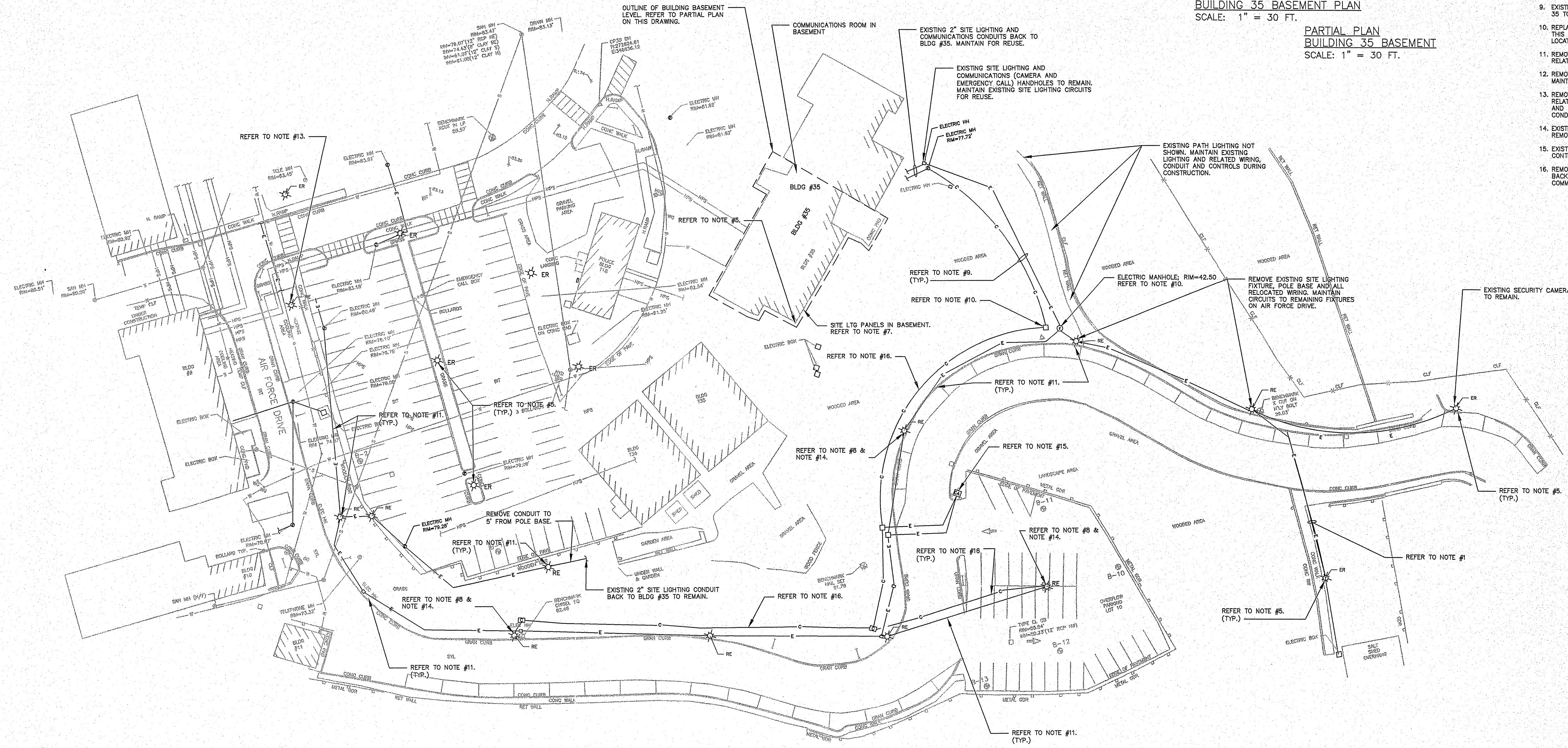
JAN 17 2020
FRESHWATER WETLANDS PROGRAM

CONSULTANT GEOTECHNICAL ENGINEERING GEI Consultants, Inc. 44 Winding Brook Drive Glastonbury, CT 06033 860-366-5300 		ARCHITECT/ENGINEER OF RECORD A/E: AI ENGINEERS INC. 919 MIDDLE STREET MIDDLETOWN, CT 06457 (860) 635-7740 		STAMP Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title ELECTRICAL NOTES, SYMBOLS & ABBREVIATIONS	Phase FINAL SUBMISSION	Project Title VAMC PROVIDENCE, RI FCA PAVEMENT REPAIRS AIR FORCE DRIVE	Project Number 650-07-102
100% DESIGN 02/01/18 60% DESIGN 12/12/17 35% DESIGN 10/13/17 Revisions: Date:				Approved: Project Director		Location PROVIDENCE, R.I.	Drawing Number E-001	
						Issue Date 2/21/2018	Checked MR/RG	Drawn ML



BUILDING 35 BASEMENT PLAN
SCALE: 1" = 30 FT.

**PARTIAL PLAN
BUILDING 35 BASEMENT**
SCALE: 1" = 30 FT.



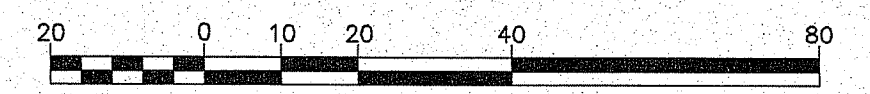
EXISTING SITE LIGHTING
SCALE: 1" = 30 FT.

NOTES

- VERIFY EXISTING CONDITIONS ON THE JOB SITE BEFORE BEGINNING ANY WORK. COORDINATE DEMOLITION AND NEW CONSTRUCTION WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK. COMMENCEMENT OF WORK SIGNIFIES ACCEPTANCE OF CONDITIONS.
- EXECUTE DEMOLITION IN A SAFE MANNER. EGRESS, EXITS AND FIRE PROTECTION REQUIREMENTS SHALL BE MAINTAINED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION NECESSARY TO COMPLETE THE WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVAL AND PROPER DISPOSAL INCLUDING COSTS FOR HAULING AND DUMPING OF ALL MATERIAL DEMOLISHED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, FIRESTOPPING AND SEALING ALL NEW AND EXISTING WALL, FLOOR OR CEILING PENETRATIONS TO MATCH THE EXISTING CONDITION INCLUDING FIRE RATING.
- ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL CONFORM TO N.E.C. ARTICLES 110. CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE.
- EXISTING SITE LIGHTING TO REMAIN. MAINTAIN EXISTING CIRCUITING AND CONTROLS. PROVIDE TEMPORARY WIRING AND CONDUIT AS REQUIRED TO MAINTAIN FIXTURE OPERATION DURING CONSTRUCTION.
- ALL SITE LIGHTING FIXTURES AND POLES TO BE REMOVED SHALL BE DISASSEMBLED AND PROTECTED AS IF BEING REUSED. HANDOVER SITE LIGHTING FIXTURES AND POLES TO OWNER.
- EXISTING SITE LIGHTING IS POWERED AND CONTROLLED BY PANEL "S1-33" LOCATED AT THE BASEMENT LEVEL OF BLDG 35. IDENTIFY EXISTING CIRCUITS IMPACTED BY REMOVALS AND RETAIN FOR REUSE. DETERMINE CIRCUIT LOAD PRIOR TO SITE LIGHTING DEMOLITION AND AFTER DEMOLITION. PROVIDE LOADS TO VA AND A/E FOR REVIEW. MAINTAIN PANEL OPERATION AND EXISTING CIRCUITS TO REMAIN THROUGHOUT CONSTRUCTION.
- EXISTING EMERGENCY CALL BOX AND CONNECTED TO CAMPUS COMMUNICATIONS BY CAT 6 CABLE TO THE COMMUNICATION ROOM LOCATED AT THE BASEMENT LEVEL OF BLDG 35.
- EXISTING 2" SITE LIGHTING AND COMMUNICATIONS CONDUITS TO BLDG 35 TO BE REMOVED BACK TO EXISTING HANDHOLES.
- REPLACE EXISTING SITE LIGHTING AND COMMUNICATIONS HANDHOLES AT THIS LOCATION. MAINTAIN EXISTING SITE LIGHTING CIRCUITS AT THIS LOCATION.
- REMOVE EXISTING SITE LIGHTING FIXTURES, POLES, POLE BASES AND RELATED WIRING.
- REMOVE EXISTING LIGHT FIXTURES AND POLE AT THIS LOCATION. MAINTAIN EXISTING CIRCUIT FOR REUSE.
- REMOVE EXISTING SITE LIGHTING FIXTURE, POLE, POLE BASES AND RELATED WIRING. COORDINATE WITH EXISTING MECHANICAL EQUIPMENT AND BURIED PIPING IN THIS AREA. ADVISE VA OF ANY DISCOVERED CONDITIONS PRIOR TO REMOVAL.
- EXISTING SECURITY CAMERAS MOUNTED ON LIGHT POLE TO BE REMOVED AND RESTORED BY CONTRACTOR FOR REUSE.
- EXISTING EMERGENCY CALL BOX TO BE REMOVED AND STORED BY CONTRACTOR FOR REUSE. REFER TO NOTE #8.
- REMOVE EXISTING COMMUNICATIONS CONDUITS, WIRING AND HANDHOLES BACK TO POINT SHOWN. REMOVE FIBER OPTIC CABLES BACK TO COMMUNICATIONS ROOM IN BLDG 35.

OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVAL OF CONDITIONS
AS SPECIFIED IN PERMITS
DATED SEP 10 2020 19-0354
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED BY AND MUST BE AT CONSTRUCTION SITE
Matthew D. Wencak

JAN 17 2020
Office of Water Resources



100% DESIGN	02/01/18
60% DESIGN	12/12/17
35% DESIGN	10/13/17
Revisions:	Date:

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Consulting
Engineers and
Scientists

ARCHITECT/ENGINEER OF RECORD

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 (860) 635-7740

STAMP

Office of
Construction
and Facilities
Management

Drawing Title
**EXISTING SITE LIGHTING
AND REMOVALS**

Approved: Project Director

Phase
FINAL SUBMISSION

Project Title
**VAMC PROVIDENCE, RI
FCA PAVEMENT REPAIRS
AIR FORCE DRIVE**

Project Number
650-07-102

Building Number

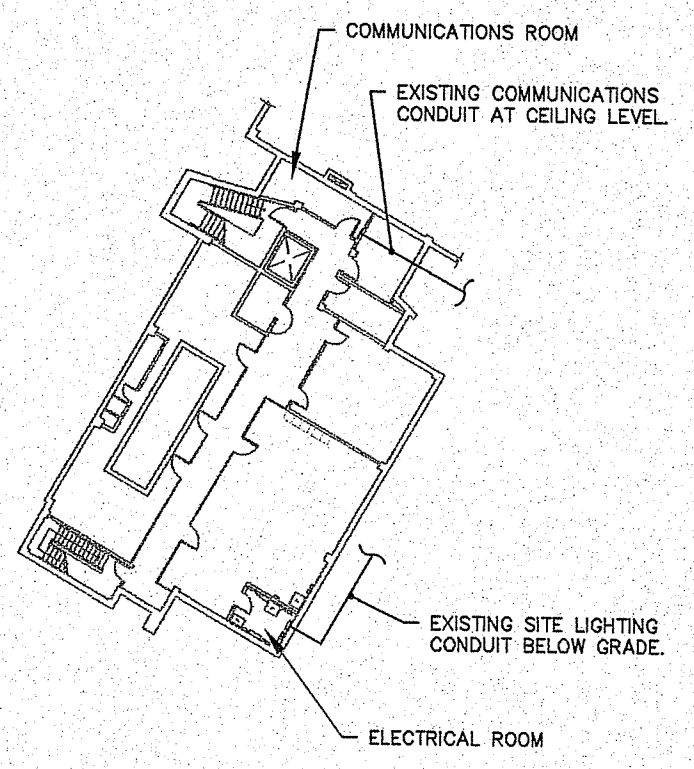
Location
PROVIDENCE, R.I.

Issue Date
2/21/2018

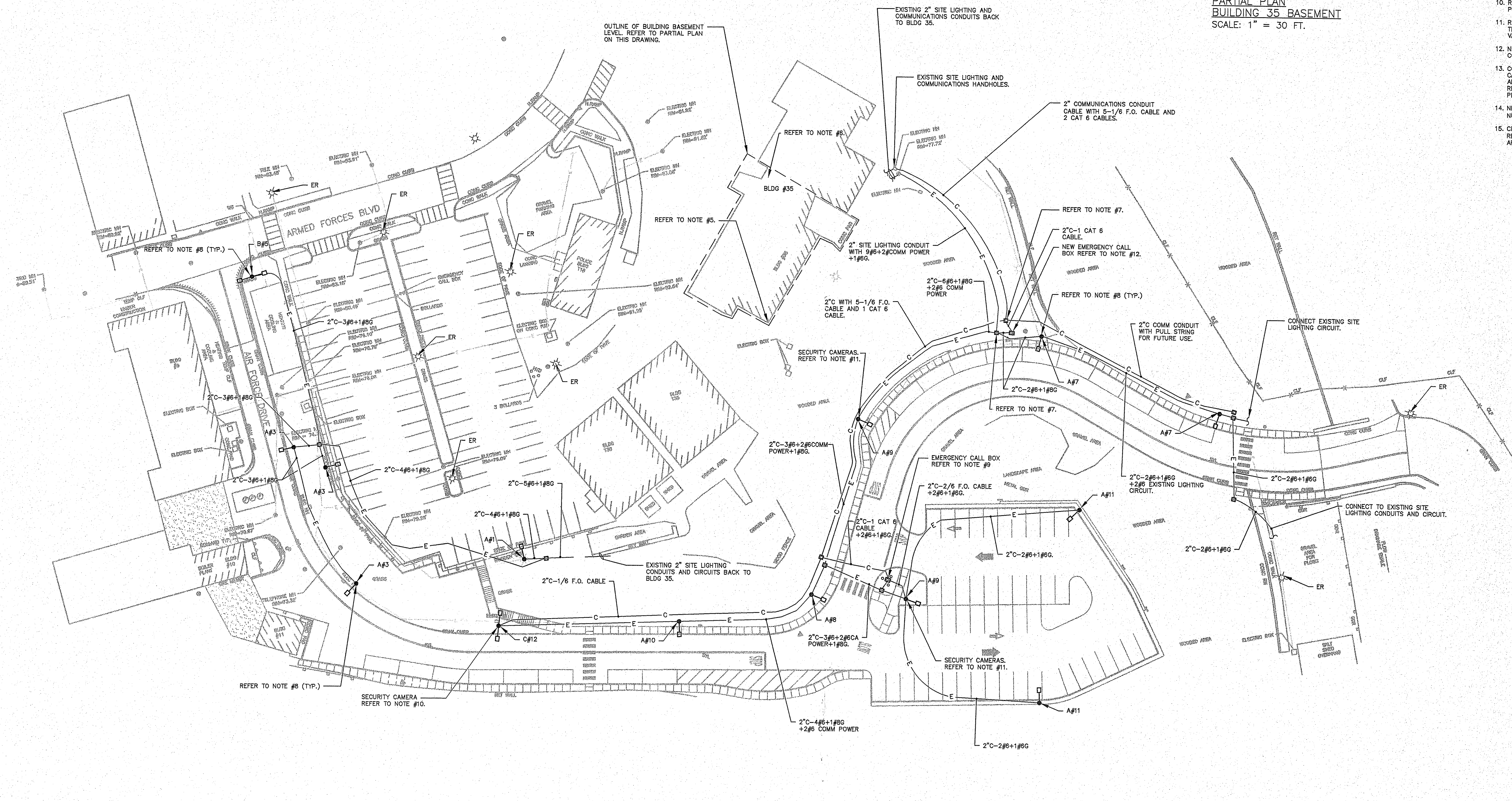
Checked
MR/RG

Drawn
ML

Drawing Number
E1.00



- NOTES**
1. VERIFY EXISTING CONDITIONS ON THE JOB SITE BEFORE BEGINNING ANY WORK. COORDINATE DEMOLITION AND NEW CONSTRUCTION WITH THE OWNER PRIOR TO COMMENCEMENT OF WORK. COMMENCEMENT OF WORK SIGNIFIES ACCEPTANCE OF CONDITIONS.
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 3. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, FIRESTOPPING AND SEALING ALL NEW AND EXISTING WALL, FLOOR OR CEILING PENETRATIONS TO MATCH THE EXISTING CONDITION INCLUDING FIRE RATING.
 4. ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT SHALL CONFORM TO N.E.C. ARTICLES 110. CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE DUE.
 5. EXISTING SITE LIGHTING PANEL "SL-35" LOCATED IN BLDG 35 BASEMENT ELECTRICAL ROOM.
 6. EXISTING IT ROOM IN BLDG 35 BASEMENT; RELOCATED EMERGENCY CALL BOX CONNECTS TO THIS ROOM WITH NEW CAT 6 DATA CABLE. TERMINATE AS DIRECTED BY THE VA.
 7. NEW SITE LIGHTING AND COMMUNICATION HANDHOLES. CONNECT TO EXISTING 2" SITE LIGHTING AND COMMUNICATION CONDUITS. EXTEND NEW CONDUITS AND WIRING SHOWN.
 8. NEW SITE LIGHTING FIXTURE AND POLE LETTER INDICATE TYPE. REFER TO LIGHT FIXTURE SCHEDULE. NUMBER INDICATES CIRCUIT IN PANEL "SL-35".
 9. NEW LOCATION FOR EXISTING EMERGENCY CALL FOR AID BOX.
 10. REINSTALL SINGLE SECURITY CAMERA AND DATA ENCLOSURE ON THIS POLE. MOUNTING HEIGHT AND CAMERA ORIENTATIONS DIRECTED BY VA.
 11. REINSTALL TWO SECURITY CAMERAS AND ONE DATA ENCLOSURE ON THIS POLE. MOUNTING HEIGHT AND CAMERA ORIENTATIONS DIRECTED BY VA.
 12. NEW EMERGENCY CALL BOX. CONNECT TO BLDG 35 FOR POWER AND COMMUNICATIONS.
 13. CONTRACTOR SHALL VERIFY AND DOCUMENT CALLBOX AND SECURITY CAMERA OPERATION PRIOR TO ANY WORK. CONTRACTOR SHALL TEST ALL REINSTALLED SECURITY CAMERAS AS WELL AS NEW AND REINSTALLED CALL BOXES TO DEMONSTRATE THAT ORIGINAL PERFORMANCE HAS BEEN MAINTAINED.
 14. NEW LIGHTING FIXTURES ARE LABELED AS FIXTURE TYPE WITH CIRCUIT NUMBER. THAT IS A#7 WHICH MEANS FIXTURE TYPE A ON CIRCUIT #7.
 15. CIRCUIT NUMBERS ARE ARBITRARY LABELS TO SHOW FIXTURE GROUPS. REUSE EXISTING CIRCUITS IN PANEL "SL-35" AND NUMBER APPROXIMATELY ON RECORD DRAWINGS.

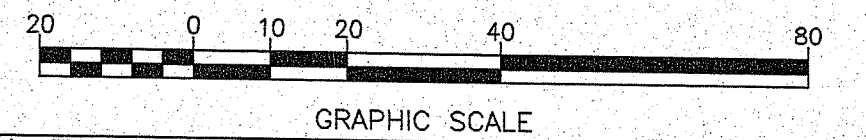


Kindly be advised that this drawing is a preliminary drawing and is not to be used for construction without the approval of the design engineer.

OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVER WITH CONDITIONS
 AS SPECIFIED IN PERMIT
 19-0354
 SEP 10 2020
 CHANGES ALLOWED WITHOUT APPROVAL
 APPROVED: *Martin D. Wenzel*

JAN 17 2020
 CIVIL ENGINEER REG. #10088

NEW SITE LIGHTING
 SCALE 1" = 30 FT.



100% DESIGN	02/01/18
60% DESIGN	12/12/17
35% DESIGN	10/13/17
Revisions:	Date:

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STAMP

Office of
 Construction
 and Facilities
 Management

Drawing Title
NEW SITE LIGHTING

Approved: Project Director

Phase
FINAL SUBMISSION

Project Title VAMC PROVIDENCE, RI FCA PAVEMENT REPAIRS AIR FORCE DRIVE		Project Number 650-07-102
Location PROVIDENCE, R.I.		Drawing Number E-101
Issue Date 2/21/2018	Checked MR/RG	Drawn ML