



**PROVIDENCE**  
 PARKS + RECREATION  
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SHEET LIST TABLE

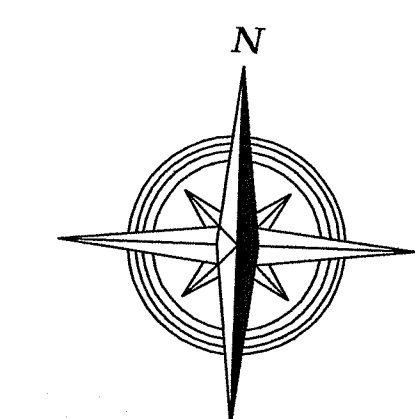
1	SHEET TITLE
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NEIGHBORHOOD MAP

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

NOT FOR CONSTRUCTION



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED MAR 01 2019 FILE # A-293  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Ernesto D. Wenzel*

**PLEASANT VALLEY PARKWAY  
 STORM WATER PROJECT  
 ELMHURST COMMUNITY**

PROVIDENCE RI 02908

SEPTEMBER 2018

PREPARED BY PROVIDENCE PARKS DEPARTMENT

HONORABLE JORGE O ELORZA, MAYOR  
 JO-ANN RYAN, COUNCILWOMAN WARD 5  
 WENDY NILSSON, SUPERINTENDENT OF PARKS



NELSON STREET

VALLEY PARKWAY

VALLEY PARKWAY

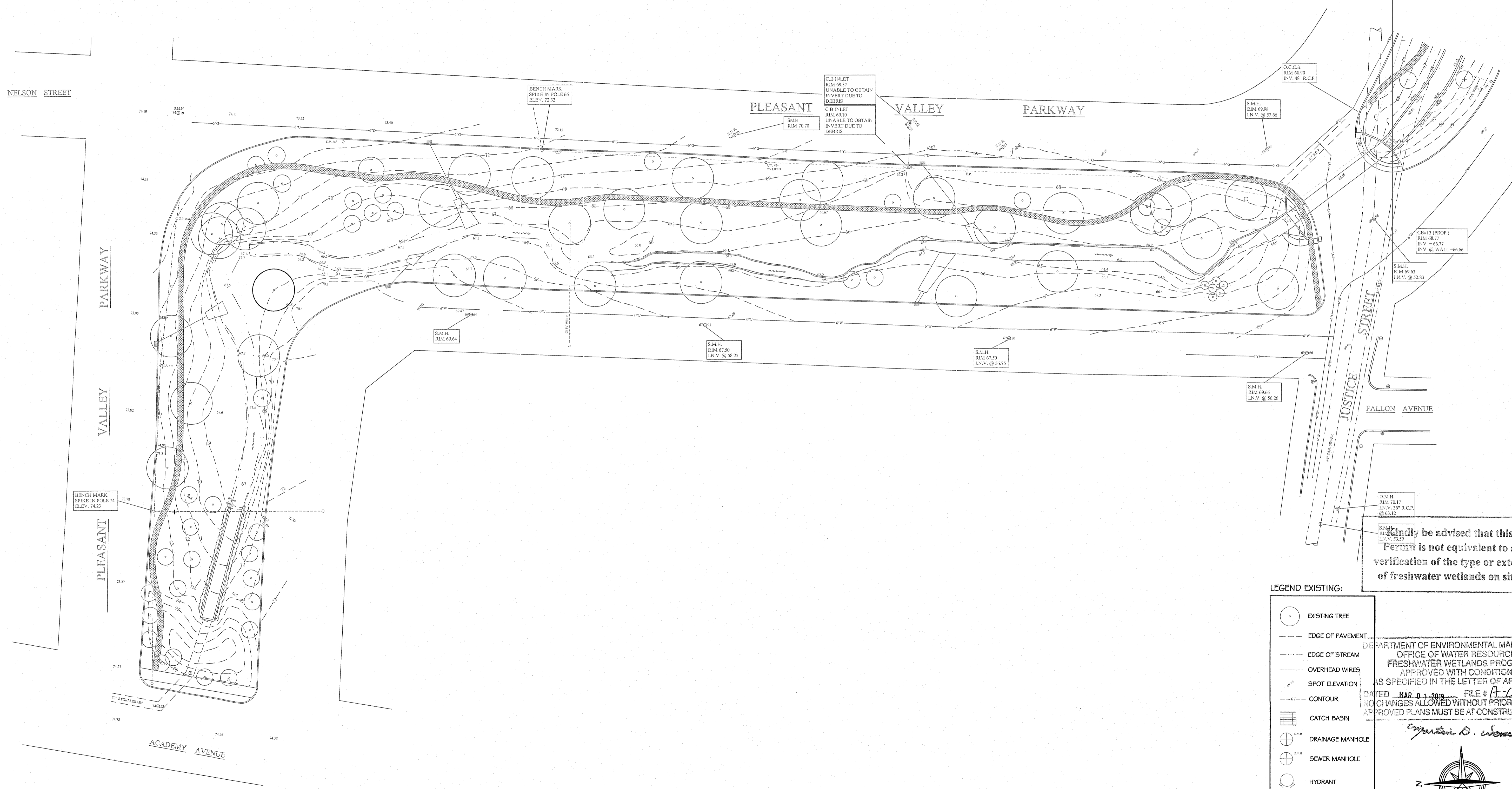
PLEASANT VALLEY PARKWAY

ACADEMY AVENUE

PLEASANT VALLEY PARKWAY

JUSTICE STREET

FALLON AVENUE



LOCUS MAP:



GENERAL NOTES:

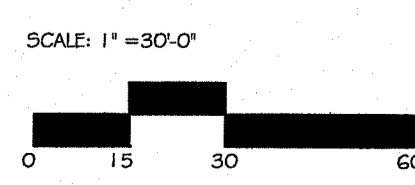
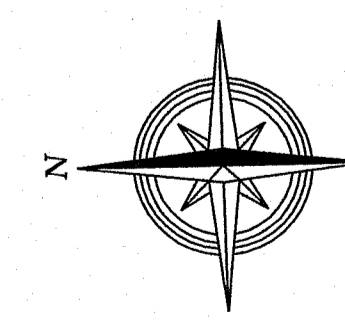
1. BASE INFORMATION OBTAINED FROM SITE PLAN DATED 8/21/90 AND COMPLETED AT 1" = 20' FOR PROVIDENCE PARKS DEPARTMENT BY PAT LOHEED/LANDSCAPE ARCHITECT 182 MAIN STREET WATERTOWN, MA 02172 (617) 332-0188 JOB# .....
2. LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM PLEASANT VALLEY PARKWAY SITE IMPROVEMENTS PLAN SHEET # 114 12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCH ENGINEERING, INC. 1 APPLETON STREET BOSTON, MA 02116 PHONE: (617) 338-0063 FAX: (617) 338-6472  
MARK W HUTCHINS & ASSOCIATES, INC  
200 METRO CENTER BLVD  
WARWICK, RI 02886  
PHONE: (401) 738-3200
3. ALL UTILITIES HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. WE ASSUME NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN. BOTH ON-SITE AND OFF ALL SERVICES SHOWN ARE APPROXIMATE ONLY AND WERE TAKEN FROM UTILITY COMPANY PLANS
4. PRIOR TO EXCAVATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIM/HERSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTACT DIGSAFE AT 1-888-344-7233
5. BASE OF ELEVATIONS: CITY OF PROVIDENCE DATUM MEAN HIGH WATER (M.H.W.)
6. ANY ERRORS OR DISCREPANCIES ON THE DRAWINGS, SHOP DRAWINGS AND DETAILS ARE TO BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECTS BEFORE THE WORK HAS COMMENCED.

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LEGEND EXISTING:

- EXISTING TREE
- - - EDGE OF PAVEMENT
- - - EDGE OF STREAM
- - - OVERHEAD WIRES
- SPOT ELEVATION
- - - CONTOUR
- ⊕ CATCH BASIN
- ⊕ DRAINAGE MANHOLE
- ⊕ SEWER MANHOLE
- HYDRANT
- UTILITY POLE
- STOP SIGN
- WATER GATE
- GAS GATE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
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DATED MAR 01 2019 FILE # A-023  
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EXISTING CONDITION

NOT FOR CONSTRUCTION

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

PLEASANT VALLEY PKWY STORM WATER PROJECT

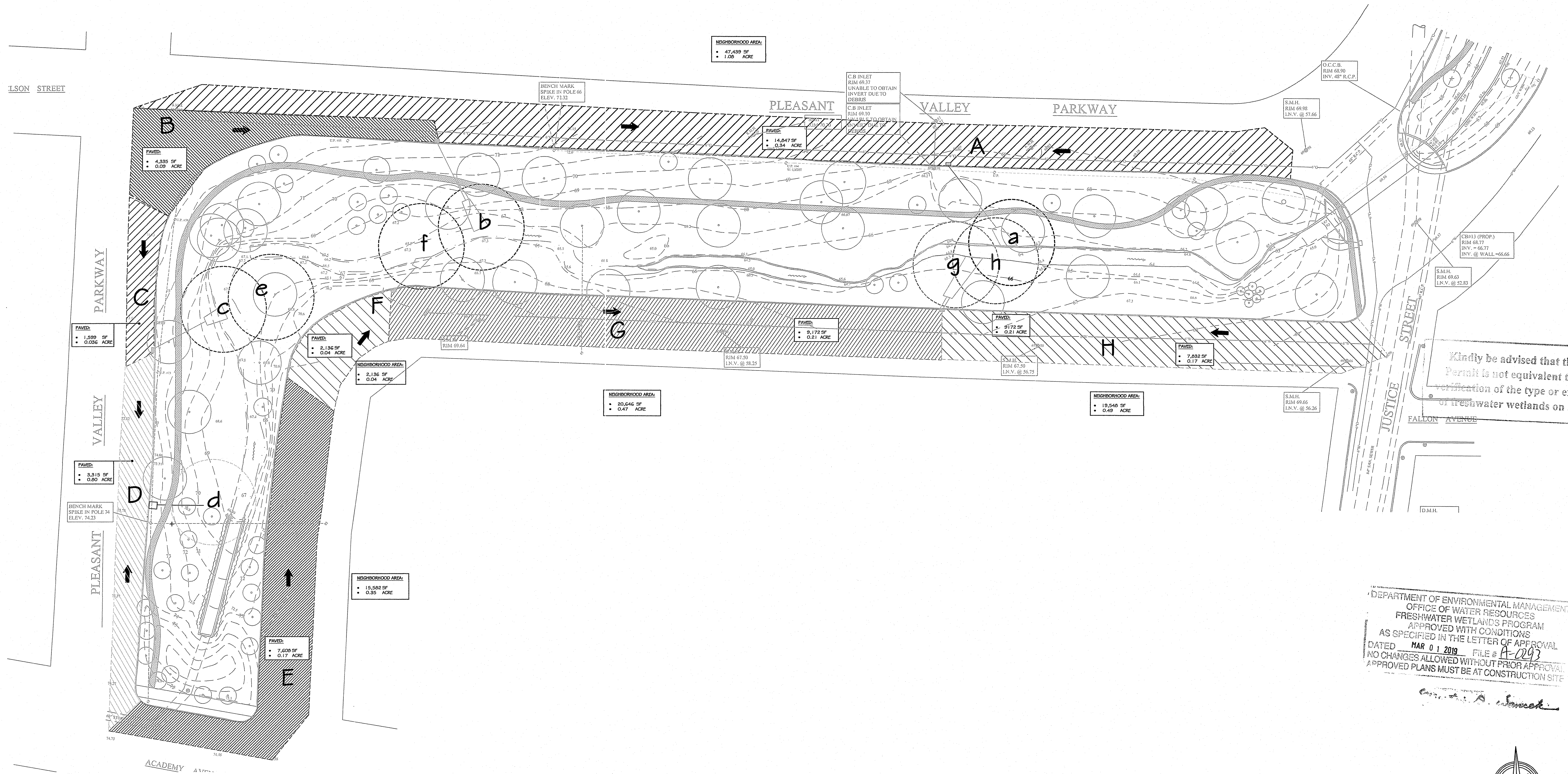
ELMHURST NEIGHBORHOOD PLEASANT VALLEY PARKWAY PROVIDENCE, RI

PREPARED BY ED  
CHECKED BY  
APPROVED BY

DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT #	SHEET
DATE	2
SCALE	2 OF 16





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NOT FOR CONSTRUCTION

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED MAR 01 2019 FILE # A-2093  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
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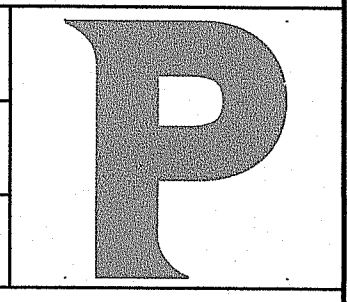
**STORM WATER ANALYSIS**

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

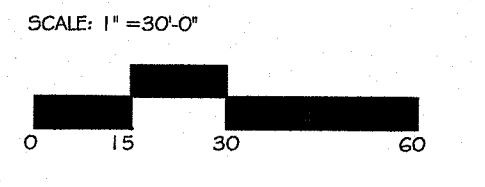
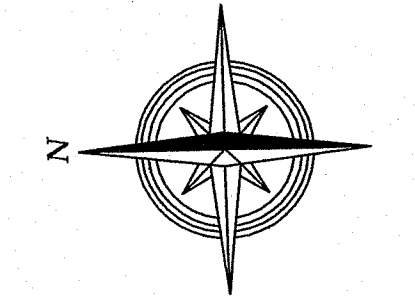
ELMHURST NEIGHBORHOOD  
 PLEASANT VALLEY PARKWAY  
 PROVIDENCE, RI

PREPARED BY  
 ED  
 CHECKED BY  
 APPROVED BY

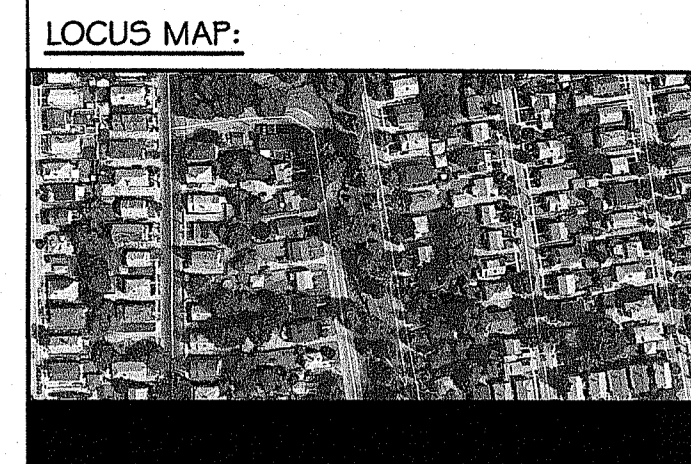
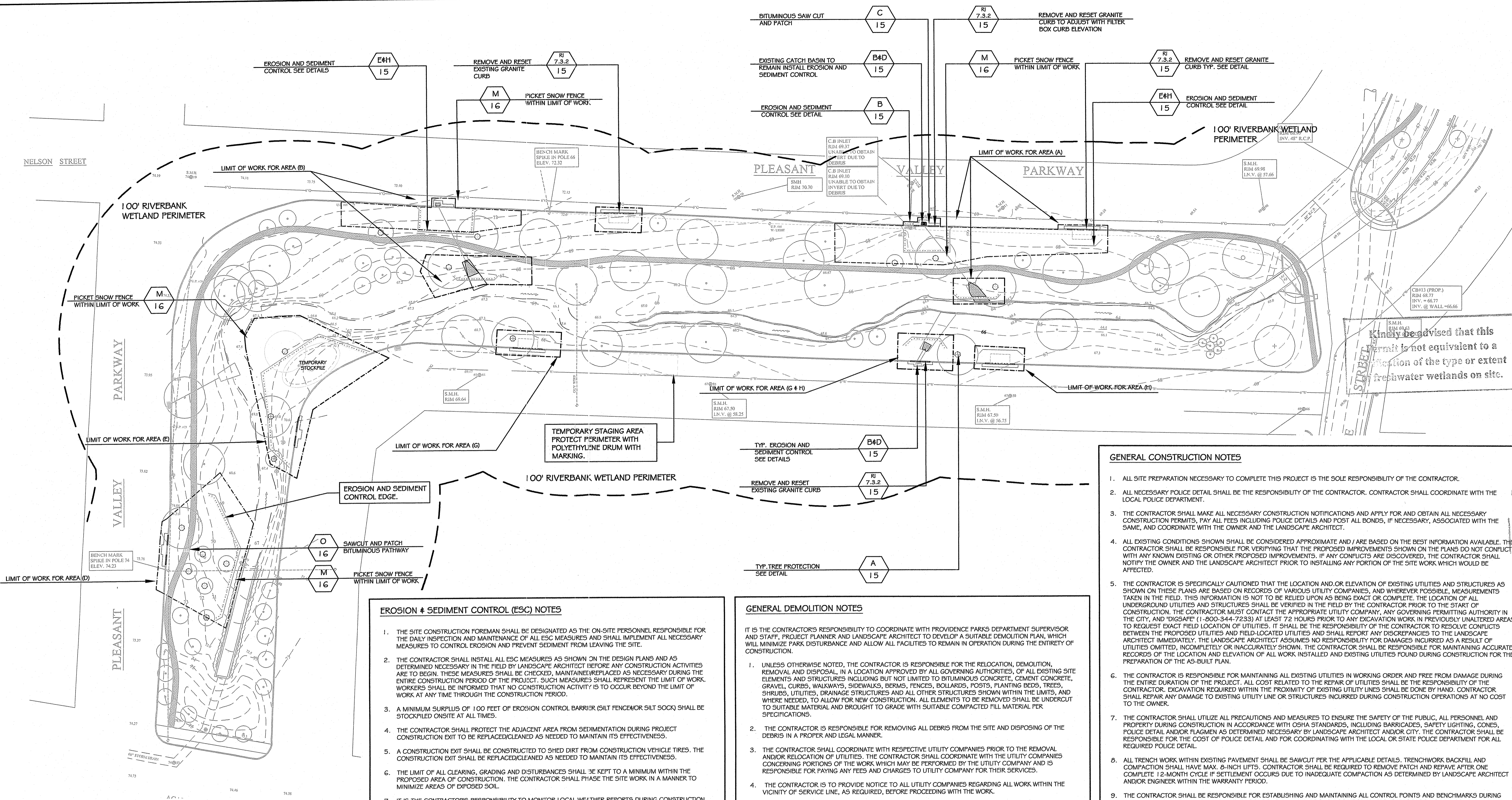


DEPARTMENT OF PARKS & RECREATION  
 DALRYMPLE BOATHOUSE  
 ROGER WILLIAMS PARK  
 PROVIDENCE, RI 02905

PROJECT #	SHEET
DATE SEPT 18, 2017	<b>3</b>
SCALE 1" = 30'-0"	3 OF 16







**GENERAL NOTES:**

1. BASE INFORMATION OBTAINED FROM SITE PLAN DATED 8/21/20 AND COMPLETED AT 1" = 20' FOR PROVIDENCE PARKS DEPARTMENT BY PAT LOHEDD, LANDSCAPE ARCHITECT, 182 MAIN STREET WATERTOWN, MA 02172 (617) 932-0188
2. LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM PLEASANT VALLEY PARKWAY SITE IMPROVEMENTS PLAN SHEET # 114 12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCHE ENGINEERING, INC., 1 APPLETON STREET BOSTON, MA 02116 PHONE: (617) 336-0063 FAX: (617) 336-6472  
MARK W HUTCHINS & ASSOCIATES, INC. 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-3200
3. ALL UTILITIES HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. WE ASSUME NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN, BOTH ON-SITE AND OFF ALL SERVICES SHOWN ARE APPROXIMATE ONLY AND WERE TAKEN FROM UTILITY COMPANY PLANS
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6. ANY ERRORS OR DISCREPANCIES ON THE DRAWINGS, SHOP DRAWINGS AND DETAILS ARE TO BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECTS BEFORE THE WORK HAS COMMENCED.

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**GENERAL CONSTRUCTION NOTES**

1. ALL SITE PREPARATION NECESSARY TO COMPLETE THIS PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL NECESSARY POLICE DETAIL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH THE LOCAL POLICE DEPARTMENT.
3. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES INCLUDING POLICE DETAILS AND POST ALL BONDS, IF NECESSARY, ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE OWNER AND THE LANDSCAPE ARCHITECT.
4. ALL EXISTING CONDITIONS SHOWN SHALL BE CONSIDERED APPROXIMATE AND / ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE LANDSCAPE ARCHITECT PRIOR TO INSTALLING ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.
5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF VARIOUS UTILITY COMPANIES, AND WHEREVER POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY. ANY GOVERNING PERMITTING AUTHORITY IN THE CITY, AND "DIGSAFE" (1-800-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK IN PREVIOUSLY UNLATERED AREAS TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE CONFLICTS BETWEEN THE PROPOSED UTILITIES AND FIELD-LOCATED UTILITIES AND SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY. THE LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED, INCOMPLETELY OR INACCURATELY SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCURATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED AND EXISTING UTILITIES FOUND DURING CONSTRUCTION FOR THE PREPARATION OF THE AS-BUILT PLAN.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES IN WORKING ORDER AND FREE FROM DAMAGE DURING THE ENTIRE DURATION OF THE PROJECT. ALL COST RELATED TO THE REPAIR OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINE OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
7. THE CONTRACTOR SHALL UTILIZE ALL PRECAUTIONS AND MEASURES TO ENSURE THE SAFETY OF THE PUBLIC, ALL PERSONNEL AND PROPERTY DURING CONSTRUCTION IN ACCORDANCE WITH OSHA STANDARDS, INCLUDING BARRICADES, SAFETY LIGHTING, CONES, POLICE DETAIL AND/OR FLAGMEN AS DETERMINED NECESSARY BY LANDSCAPE ARCHITECT AND/OR CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF POLICE DETAIL AND FOR COORDINATING WITH THE LOCAL OR STATE POLICE DEPARTMENT FOR ALL REQUIRED POLICE DETAIL.
8. ALL TRENCH WORK WITHIN EXISTING PAVEMENT SHALL BE SAWCUT PER THE APPLICABLE DETAILS. TRENCHWORK BACKFILL AND COMPACTION SHALL HAVE A MAX. 9-INCH LIFTS. TRENCHWORK SHALL BE COMPLETED 12-MONTH CYCLE. IF SETTLEMENT OCCURS DUE TO INADEQUATE COMPACTION AS DETERMINED BY LANDSCAPE ARCHITECT AND/OR ENGINEER WITHIN THE WARRANTY PERIOD.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS DURING CONSTRUCTION INCLUDING BENCHMARK LOCATIONS AND ELEVATIONS AT CRITICAL AREAS. THE LOCATION OF ALL CONTROL POINTS AND BENCHMARKS SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL GRADE STAKES SET BY THE SURVEYOR. GRADE STAKES SHALL REMAIN UNTIL FINAL INSPECTION OF THE ITEM HAS BEEN COMPLETED BY THE LANDSCAPE ARCHITECT. ANY RE-STAKING OF PREVIOUSLY SURVEYED SITE FEATURES SHALL BE THE RESPONSIBILITY (INCLUDING COST) OF THE CONTRACTOR.
11. UNLESS OTHERWISE SPECIFIED ON THE PLANS AND DETAILS/SPECIFICATIONS, ALL SITE CONSTRUCTION MATERIALS AND METHODOLOGIES ARE TO CONFORM TO THE MOST RECENT VERSION OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2015 EDITION).
12. CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING NOISE, VIBRATION, DUST, SEDIMENTATION CONTAINMENT, AND TRENCH WORK.
13. THE CONTRACTOR SHALL RESTORE ALL SURFACES EQUAL TO THEIR ORIGINAL CONDITION AFTER CONSTRUCTION IS COMPLETE. AREAS NOT DISTURBED BY CONSTRUCTION SHALL BE LEFT NATURAL. THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO SHRUBS, TREES, OTHER LANDSCAPING AND NATURAL FEATURES. WHEREAS THE PLANS DO NOT SHOW ALL LANDSCAPING FEATURES, EXISTING CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF THE WORK.
14. ALL UNPAVED AREAS DISTURBED BY THE WORK SHALL HAVE A MINIMUM OF 4-INCHES OF LOAM INSTALLED AND SEEDING WITH GRASS SEED AS SHOWN ON THE PLAN AND/OR DIRECTED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ANY LOAM AND SEEDING AREAS UNTIL LAWN GROWTH IS ESTABLISHED AND APPROVED BY THE LANDSCAPE ARCHITECT AND/OR OWNER.
15. A HIGH WATER TABLE IS NOT ANTICIPATED. HOWEVER, IF THE WATER TABLE IS ENCOUNTERED DURING EXCAVATION, THE WATER TABLE SHALL BE TEMPORARILY LOWERED BY PUMPING. THE CONTRACTOR SHALL INSTALL A DEWATERING BASIN AS SHOWN IN THE DEWATERING LOCATION. THE PUMP DISCHARGE SHALL BE DIRECTED TO THIS BASIN TO PREVENT SEDIMENTS FROM LEAVING THE CONSTRUCTION AREA. THE CONTRACTOR SHALL INSTALL ADDITIONAL BASINS IF REQUIRED. INSTALL THE BASIN AS SHOWN ON THE SITE PLAN IF NOTED, OTHERWISE INSTALL THE BASINS WITHIN THE LIMIT OF DISTURBANCE AS SHOWN BY THE SILT FENCE OR STRAWBALES.
16. THE CONTRACTOR SHALL REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE LOOSE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. ALL DEMOLITION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE SITE TO AN APPROVED DUMP SITE. ALL TRUCKS LEAVING THE SITE SHALL BE COVERED.
17. CONCRETE TRUCKS SHALL NOT BE WASHED ONSITE. ANY CEMENT OR CONCRETE DEBRIS LEFT IN THE DISTURBED AREA SHALL BE REMOVED BY THE HAND AT THE CONTRACTOR'S EXPENSE.
18. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE LANDSCAPE ARCHITECT AND OWNER.
19. AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIAL FROM THE SITE. A THOROUGH INSPECTION OF THE WORK PERIMETER IS TO BE MADE AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED, AND REMOVED FROM THE SITE.

**EROSION & SEDIMENT CONTROL (ESC) NOTES**

1. THE SITE CONSTRUCTION FOREMAN SHALL BE DESIGNATED AS THE ON-SITE PERSONNEL RESPONSIBLE FOR THE DAILY INSPECTION AND MAINTENANCE OF ALL ESC MEASURES AND SHALL IMPLEMENT ALL NECESSARY MEASURES TO CONTROL EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE.
2. THE CONTRACTOR SHALL INSTALL ALL ESC MEASURES AS SHOWN ON THE DESIGN PLANS AND AS DETERMINED NECESSARY IN THE FIELD BY LANDSCAPE ARCHITECT BEFORE ANY CONSTRUCTION ACTIVITIES ARE TO BEGIN. THESE MEASURES SHALL BE CHECKED, MAINTAINED/REPLACED AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT. SUCH MEASURES SHALL NOT BE LIMITED TO BITUMINOUS CONCRETE, CEMENT CONCRETE, GRAVEL, CURBS, WALKWAYS, SIDEWALKS, BERMS, FENCES, BOLLARDS, POSTS, PLANTING BEDS, TREES, SHRUBS, UTILITIES, DRAINAGE STRUCTURES AND ALL OTHER STRUCTURES SHOWN WITHIN THE LIMITS, AND WHERE NECESSARY, TO ALLOW FOR NEW CONSTRUCTION. ALL ELEMENTS TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER SPECIFICATIONS.
3. A MINIMUM SURPLUS OF 100 FEET OF EROSION CONTROL BARRIER (SILT FENCE/OR SILT SOCK) SHALL BE STOCKPILED ONSITE AT ALL TIMES.
4. THE CONTRACTOR SHALL PROTECT THE ADJACENT AREA FROM SEDIMENTATION DURING PROJECT CONSTRUCTION EXIT TO BE REPLACED/CLEANED AS NEEDED TO MAINTAIN ITS EFFECTIVENESS.
5. A CONSTRUCTION EXIT SHALL BE CONSTRUCTED TO SHED DIRT FROM CONSTRUCTION VEHICLE TIRES. THE CONSTRUCTION EXIT SHALL BE REPLACED/CLEANED AS NEEDED TO MAINTAIN ITS EFFECTIVENESS.
6. THE LIMIT OF ALL CLEARING, GRADING AND DISTURBANCES SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE SITE WORK IN A MANNER TO MINIMIZE AREAS OF EXPOSED SOIL.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR LOCAL WEATHER REPORTS DURING CONSTRUCTION AND PRIOR TO SCHEDULING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES WHICH WILL LEAVE LARGE DISTURBED AREAS UNSTABILIZED. IF INCLEMENT WEATHER IS PREDICTED, THE CONTRACTOR SHALL USE THEIR BEST PROFESSIONAL JUDGMENT AND SHALL BE RESPONSIBLE FOR ENSURING THAT NECESSARY EROSION CONTROL DEVICES ARE INSTALLED AND FUNCTIONING PROPERLY TO MINIMIZE EROSION FROM ANY IMPENDING WEATHER EVENTS.
8. SOIL ESC MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT THE ESC MEASURES ARE INTACT AND FUNCTIONING PROPERLY. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY NO LATER THAN 24 HOURS AFTER IDENTIFICATION.
9. SOIL STOCKPILES LEFT OVERNIGHT SHALL BE SURROUNDED ON THEIR PERIMETERS WITH SILT SOCK.
10. DISTURBED AREAS AND SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHOULD PROVIDE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY AREAS HAVING A SLOPE GREATER THAN 3:1 SHALL BE REINFORCED WITH EROSION BLANKETS OR APPROVED EQUAL UNTIL THE SITE IS PROPERLY STABILIZED. TEMPORARY SLOPES MAY ALSO BE REQUIRED IF DETERMINED NECESSARY IN THE FIELD BY THE LANDSCAPE ARCHITECT.
11. THE CONTRACTOR SHALL INSTALL A SILT SACK IN EACH EXISTING CATCHBASIN RECEIVING RUNOFF FROM THE SITE SHOWN IN THE DRAWINGS. THESE ARE TO BE INSPECTED AFTER EACH SIGNIFICANT STORM EVENT AND REMOVED AND EMPITTED AS NEEDED.
12. THE CONTRACTOR SHALL CONTAIN ALL SEDIMENT ONSITE. ALL EXITS FROM THE SITE WILL BE SWEEP AS NECESSARY INCLUDING ANY SEDIMENT TRACKING. PAVED AREAS SHALL BE SWEEP AS NEEDED TO REMOVE SEDIMENT AND POTENTIAL POLLUTANTS WHICH MAY ACCUMULATE DURING SITE WORK.
13. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM ALL ESC MEASURES AND DISPOSED OF IN A PRE-APPROVED LOCATION BY THE CONTRACTOR.
14. PROPER MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IF DEWATERING IS NECESSARY DURING CONSTRUCTION. THESE MEASURES SHALL INCLUDE DEWATERING BAGS, TEMPORARY STRAWBALES, SILT FENCES, SILT SOCK AND/OR OTHER APPROVED DEVICES. THE DEWATERING SETUP SHALL BE APPROVED BY THE ENGINEER.
15. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF DURING CONSTRUCTION. ANY SEDIMENT OR DEBRIS COLLECTED WITHIN THESE FACILITIES FROM THE PROJECT WORK SHALL BE REMOVED PRIOR TO OWNERS ACCEPTANCE.

**GENERAL DEMOLITION NOTES**

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH PROVIDENCE PARKS DEPARTMENT SUPERVISOR AND STAFF, PROJECT PLANNER AND LANDSCAPE ARCHITECT TO DEVELOP A SUITABLE DEMOLITION PLAN, WHICH WILL MINIMIZE PARK DISTURBANCE AND ALLOW ALL FACILITIES TO REMAIN IN OPERATION DURING THE ENTIRETY OF CONSTRUCTION.
1. UNLESS OTHERWISE NOTED, THE CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION, DEMOLITION, REMOVAL AND DISPOSAL, IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL EXISTING SITE ELEMENTS AND STRUCTURES INCLUDING BUT NOT LIMITED TO BITUMINOUS CONCRETE, CEMENT CONCRETE, GRAVEL, CURBS, WALKWAYS, SIDEWALKS, BERMS, FENCES, BOLLARDS, POSTS, PLANTING BEDS, TREES, SHRUBS, UTILITIES, DRAINAGE STRUCTURES AND ALL OTHER STRUCTURES SHOWN WITHIN THE LIMITS, AND WHERE NECESSARY, TO ALLOW FOR NEW CONSTRUCTION. ALL ELEMENTS TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER SPECIFICATIONS.
  2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING OF THE DEBRIS IN A PROPER AND LEGAL MANNER.
  3. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES CONCERNING PORTIONS OF THE WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY AND IS RESPONSIBLE FOR PAYING ANY FEES AND CHARGES TO UTILITY COMPANY FOR THEIR SERVICES.
  4. THE CONTRACTOR IS TO PROVIDE NOTICE TO ALL UTILITY COMPANIES REGARDING ALL WORK WITHIN THE VICINITY OF SERVICE LINE, AS REQUIRED, BEFORE PROCEEDING WITH THE WORK.
  5. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS AND OPERATION FOR SURROUNDING FACILITIES, AS DEMED BY THE OWNER, AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
  6. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.

**GENERAL GRADING AND DRAINAGE NOTES**

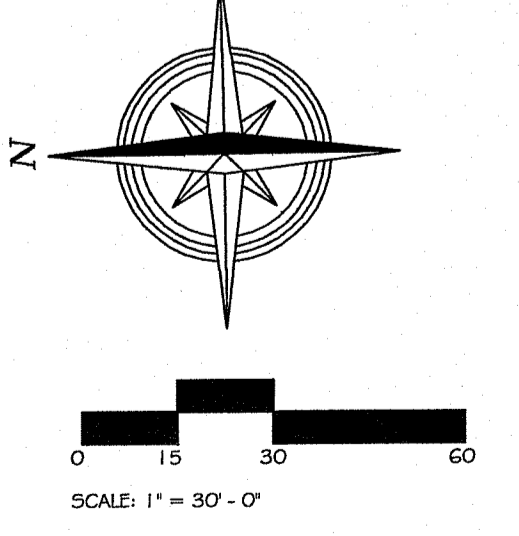
1. ALL CUT AND FILL SLOPES SHALL BE 4:1 OR LESS UNLESS OTHERWISE NOTED.
2. EXISTING GRADE CONTOUR INTERVALS ARE SHOWN AT 1 FOOT.
3. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
4. PROPOSED ELEVATIONS ARE SHOWN TO FINISH PAVEMENT OR GRADE UNLESS NOTED OTHERWISE.
5. ALL EARTHWORK AND SITE PREPARATION SHALL BE DONE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF ANY SUBSURFACE INVESTIGATION OR GEOTECHNICAL REPORTS PREPARED FOR THIS SITE.
6. INSTALLATION OF THE DRAINAGE INLET AND THE CONNECTION TO THE EXISTING CATCHBASIN ARE NOT TO BE PERFORMED UNTIL THE ENTIRE PERMANENT DRAINAGE SYSTEM HAS BEEN INSTALLED AND VEGETATION HAS BEEN ESTABLISHED. SEE BIORETENTION SEQUENCE.
7. DRAINAGE PIPING SHALL BE HIGH DENSITY POLYETHYLENE PIPE AND CONFORM TO AASHTO M294.
8. BACKFILL ADJACENT TO PIPES AND STRUCTURES SHALL BE OF TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE ADJOINING FILL MATERIAL. BACKFILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED SIX INCHES IN THICKNESS AND COMPACTED TO A DENSITY OF 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN +/-2% OF OPTIMUM. ALL COMPACTION IS TO BE DETERMINED BY MASHO METHOD T-99. TESTING OF BACKFILL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**LEGEND PROPOSED:**

- TREE PROTECTION
- BITUMINOUS PATH
- HAY BALE
- SILT SOCK
- LIMIT OF WORK
- WETLAND BUFFER

**LEGEND EXISTING:**

- EXISTING TREE
- EDGE OF PAVEMENT
- EDGE OF STREAM
- OVERHEAD WIRES
- SPOT ELEVATION
- CONTOUR
- CATCH BASIN
- DRAINAGE MANHOLE
- SEWER MANHOLE
- HYDRANT
- UTILITY POLE
- STOP SIGN
- WATER GATE
- GAS GATE



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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATE: MAR 01 2019 FILE # A-293  
CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Walter B. Wempeck*

**NOT FOR CONSTRUCTION**

**DEMOLITION AND ESC PLAN**

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

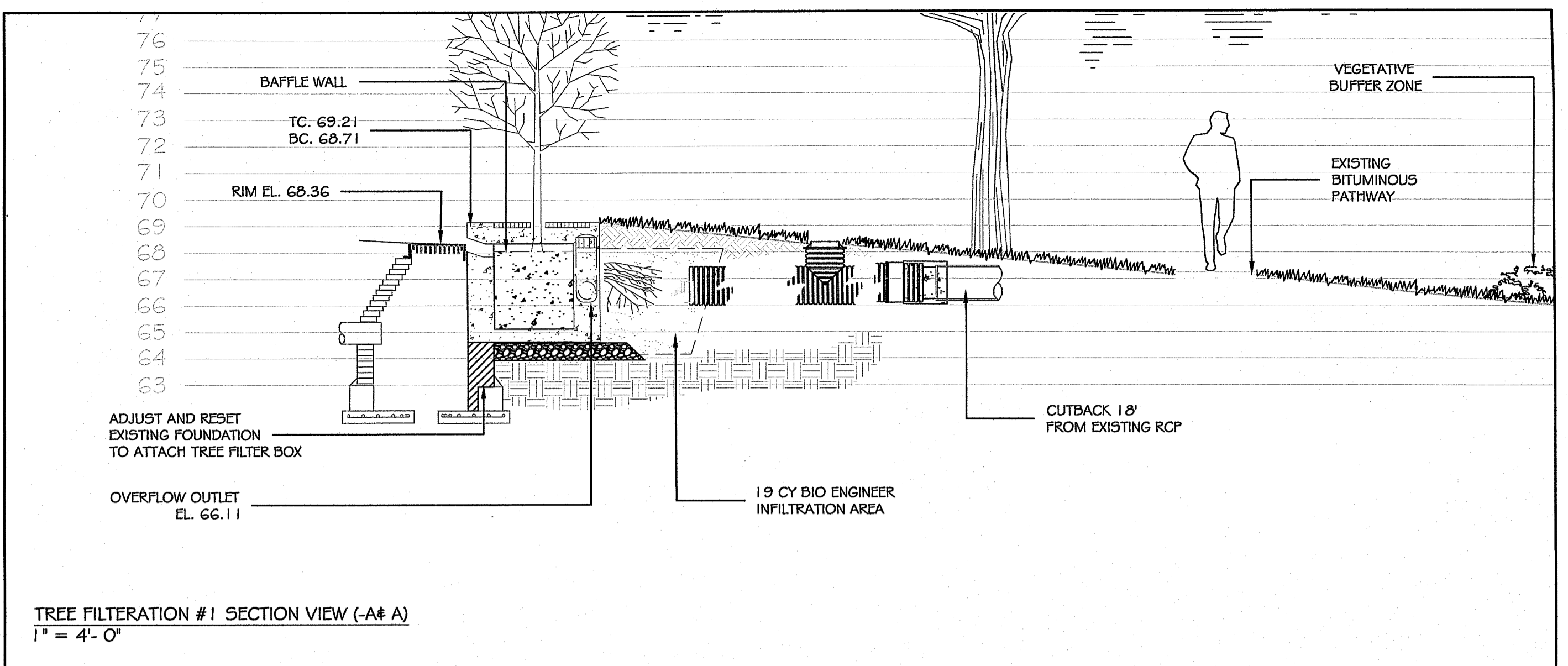
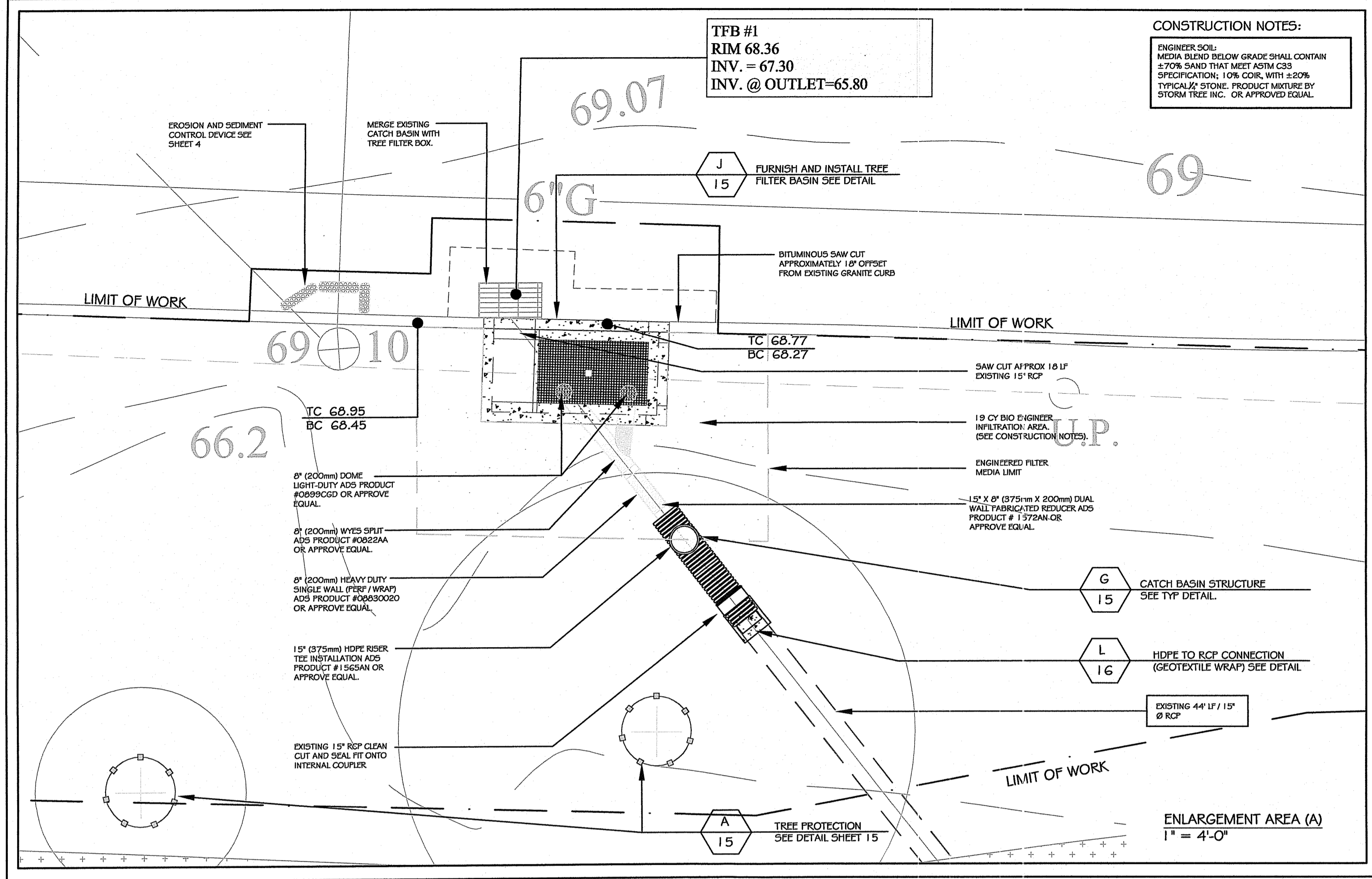
ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

PREPARED BY	ED
CHECKED BY	
APPROVED BY	

DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT #	SHEET
DATE	SEPT 18, 2018
SCALE	1" = 30'-0"
	4 OF 16





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

**SITE IMPROVEMENTS LEGEND:**

KEY	BID ITEM	SHEET	BID ITEM

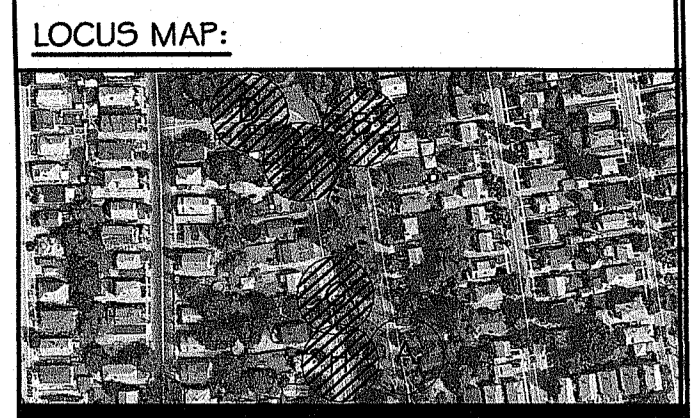
**LEGEND PROPOSE:**

- EXISTING TREE
- TREE PROTECTION
- GRANITE CURB
- RIVER STONE
- BIO FILTRATION
- BITUMINOUS PATH
- SILT SOCK
- LIMIT OF WORK
- WETLAND SETBACK
- PROPOSED SPOT GRADE

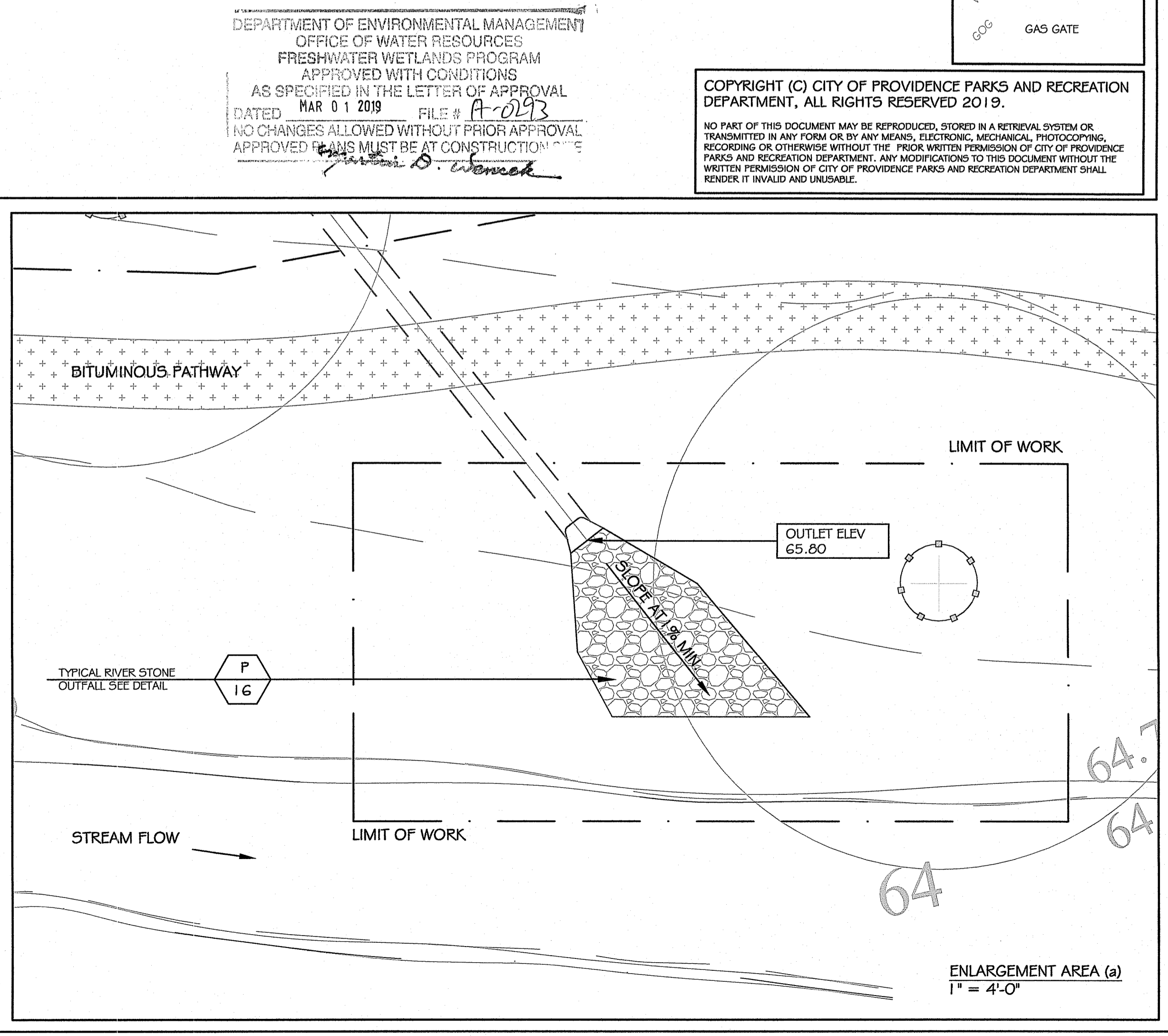
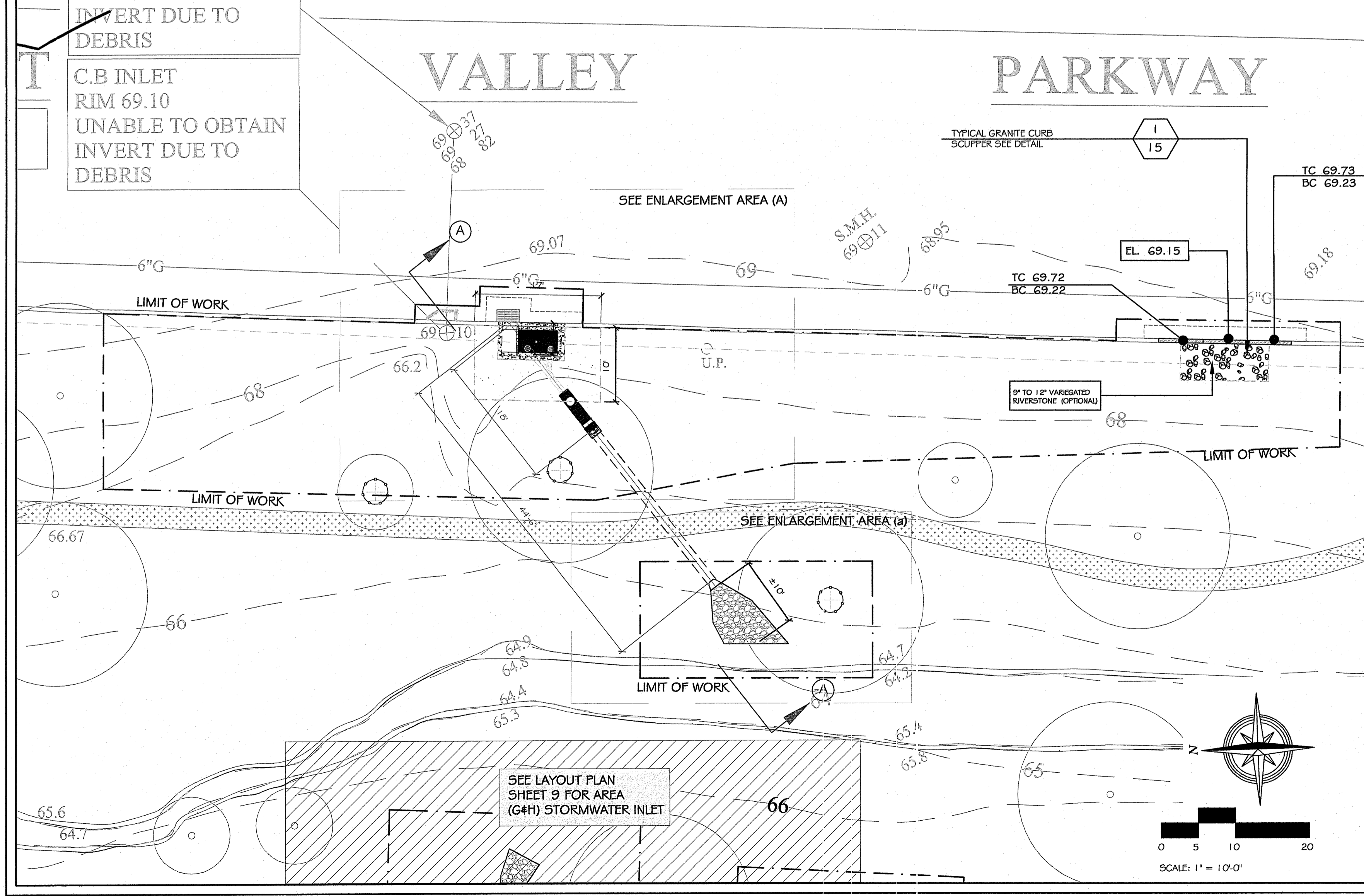
**LEGEND EXISTING:**

- EDGE OF PAVEMENT
- EDGE OF STREAM
- OVERHEAD WIRES
- SPOT ELEVATION
- CONTOUR
- CATCH BASIN
- DRAINAGE MANHOLE
- SEWER MANHOLE
- HYDRANT
- UTILITY POLE
- STOP SIGN
- WATER GATE
- GAS GATE

100' RIVERBANK WETLAND PERIMETER



- GENERAL NOTES:**
- BASE INFORMATION OBTAINED FROM SITE PLAN DATED 8/21/90 AND COMPLETED AT 1" = 20' FOR PROVIDENCE PARKS DEPARTMENT BY PAT LOHIED/LANDSCAPE ARCHITECT 182 MAIN STREET WATERTOWN, MA 02172 (617) 932-0188
  - LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM PLEASANT VALLEY PARKWAY SITE IMPROVEMENTS PLAN SHEET # 11 & 12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCH ENGINEERING, INC. 1 APPLETON STREET BOSTON, MA 02116 PHONE: (617) 338-0063 FAX: (617) 338-6472
  - MARK W HUTCHINS & ASSOCIATES, INC. 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-3200
  - ALL UTILITIES HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN. BOTH ON-SITE AND OFF-SITE SERVICES SHOWN ARE APPROXIMATE ONLY AND WERE TAKEN FROM UTILITY COMPANY PLANS
  - PRIOR TO EXCAVATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIM/HERSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTACT DISSAFE AT 1-888-344-7233
  - BASE OF ELEVATIONS: CITY OF PROVIDENCE DATUM MEAN HIGH WATER (M.H.W.)
  - ANY ERRORS OR DISCREPANCIES ON THE DRAWINGS, SHOP DRAWINGS AND DETAILS ARE TO BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECTS BEFORE THE WORK HAS COMMENCED.
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  - ALL EROSION CONTROL WILL BE INSPECTED AND REMEDIAL MAINTENANCE PERFORMED BY CONTRACTOR.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 01 2019 FILE # A-0193  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED BY: [Signature]

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**LAYOUT PLAN**

**NOT FOR CONSTRUCTION**

**AREA (A) STORM WATER DRAINAGE**

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

PREPARED BY: ED  
CHECKED BY: MG/BB  
APPROVED BY: BB

**P**

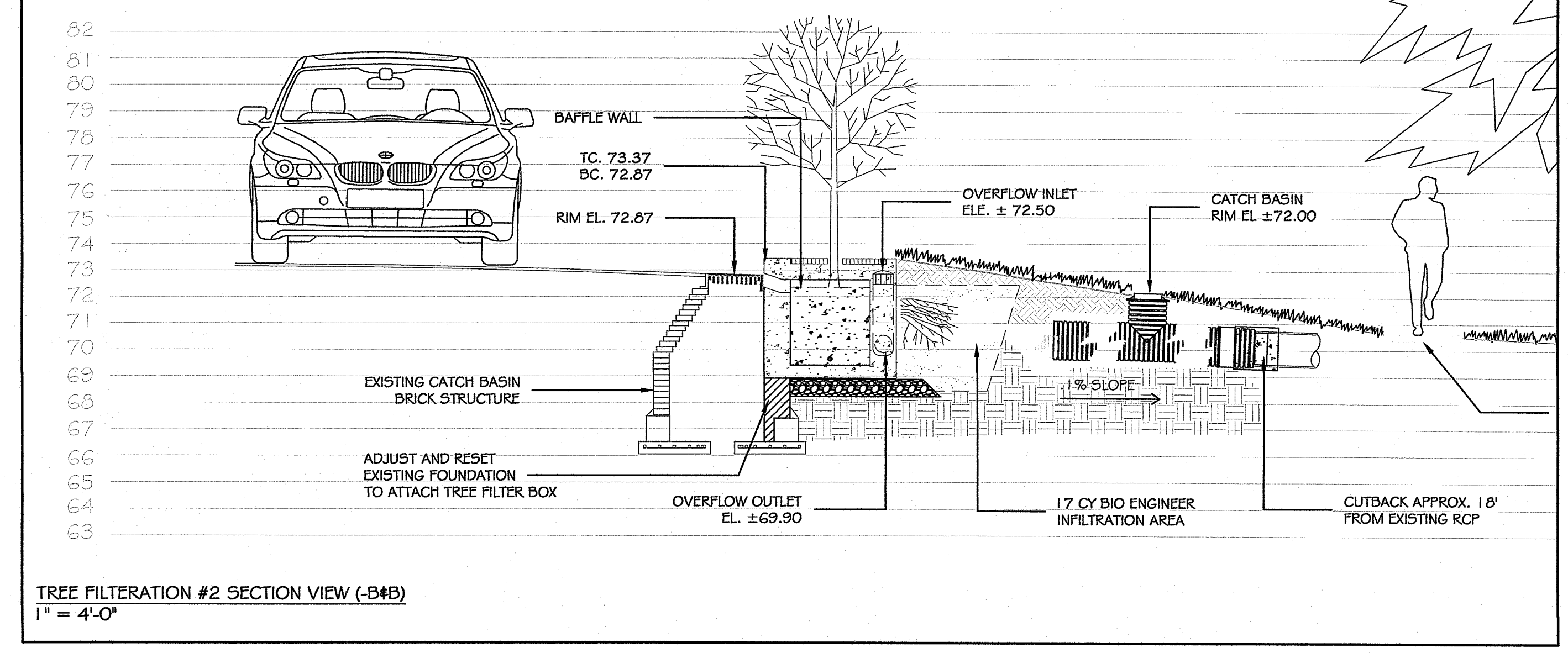
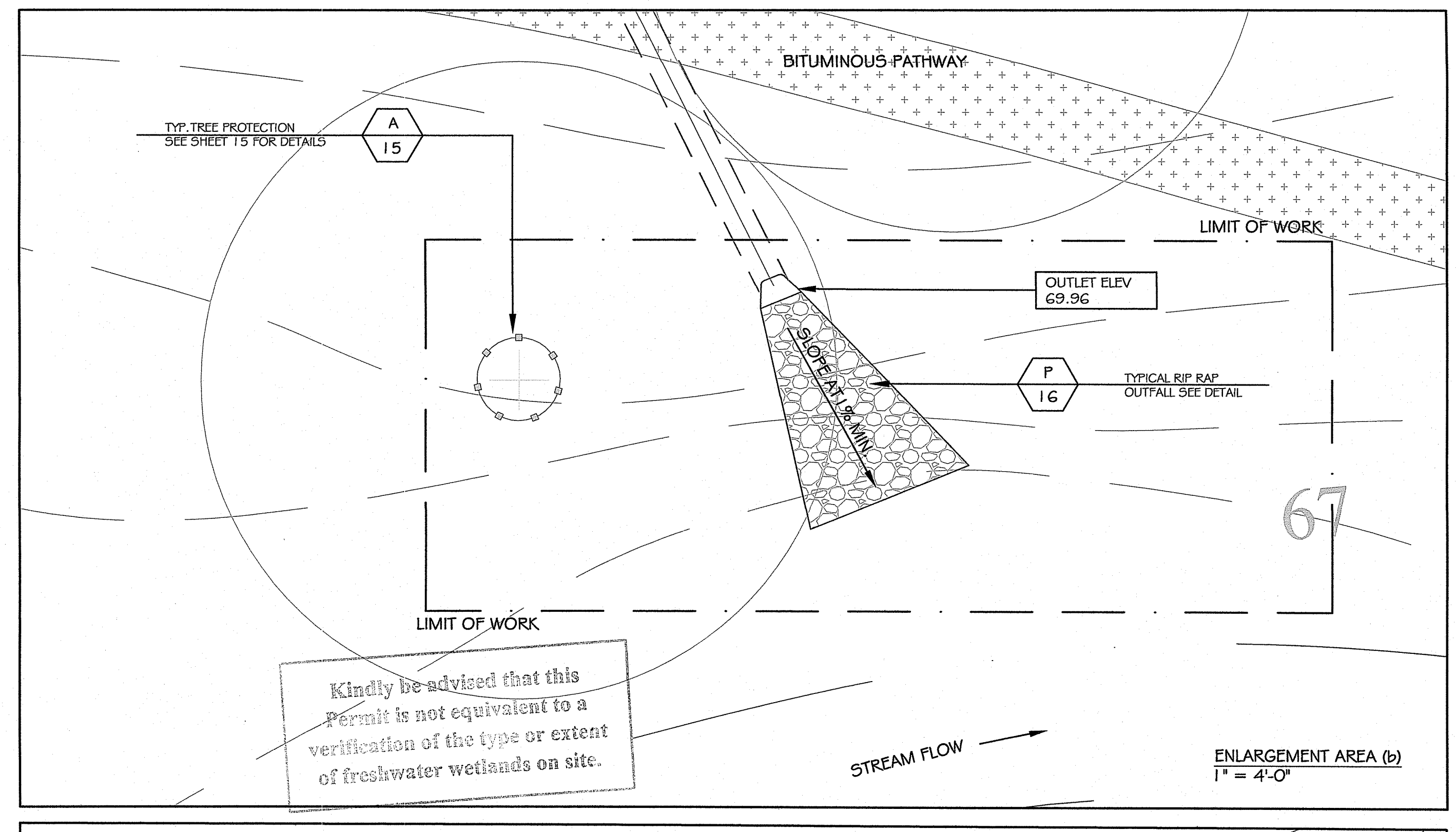
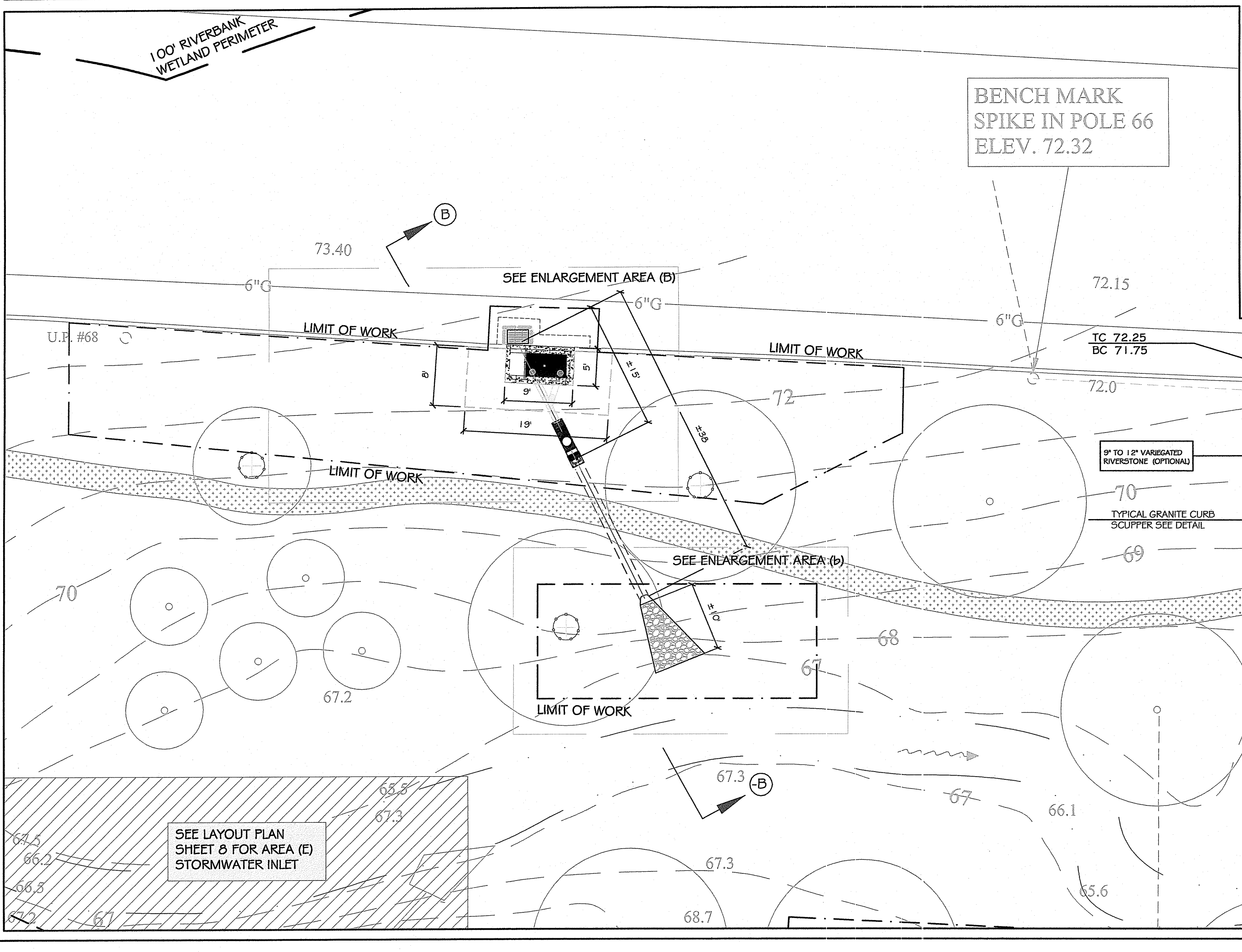
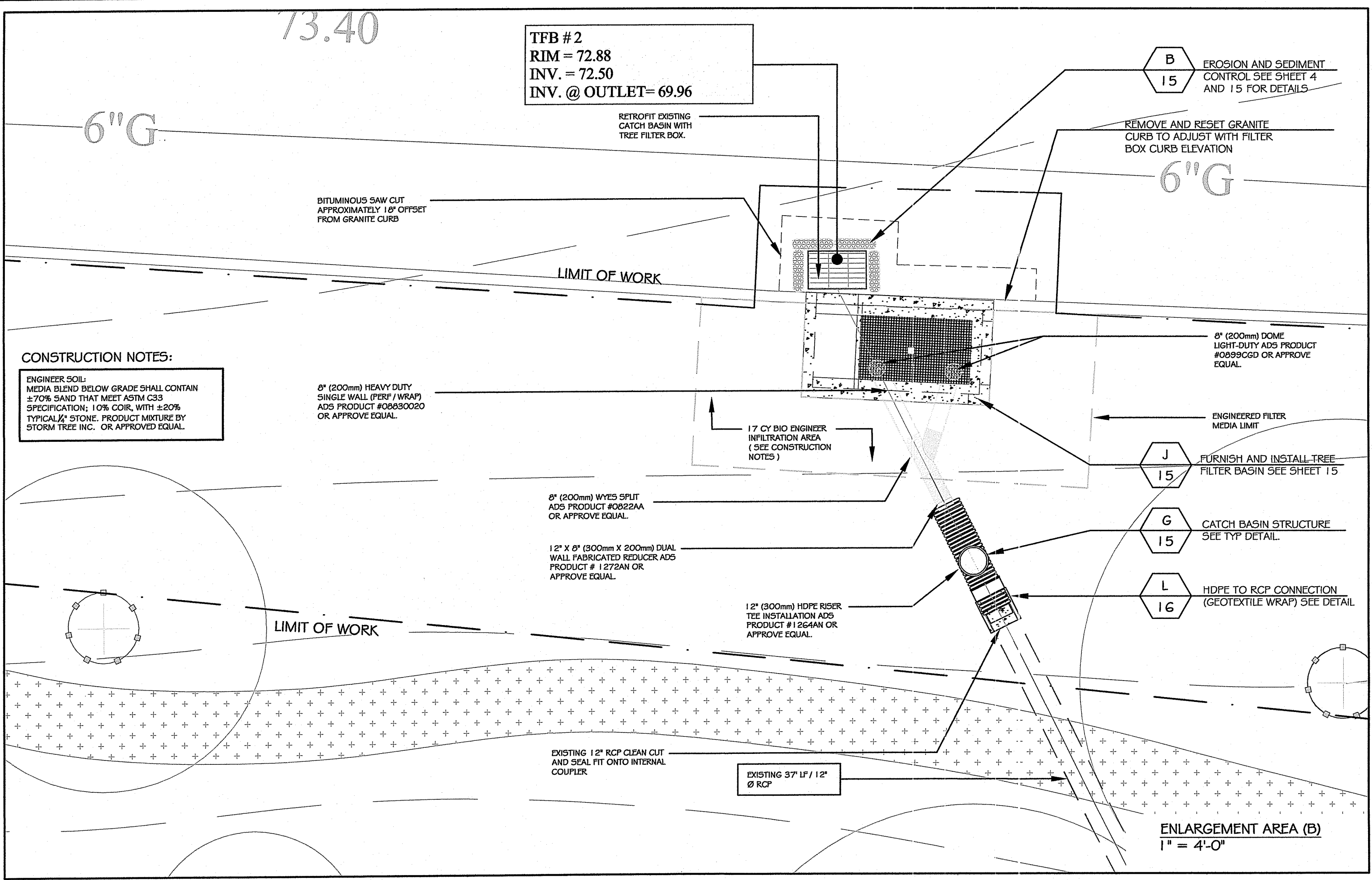
DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT # \_\_\_\_\_ SHEET \_\_\_\_\_

DATE: Aug 22, 2018  
SCALE: AS NOTED

**5**  
5 OF 16



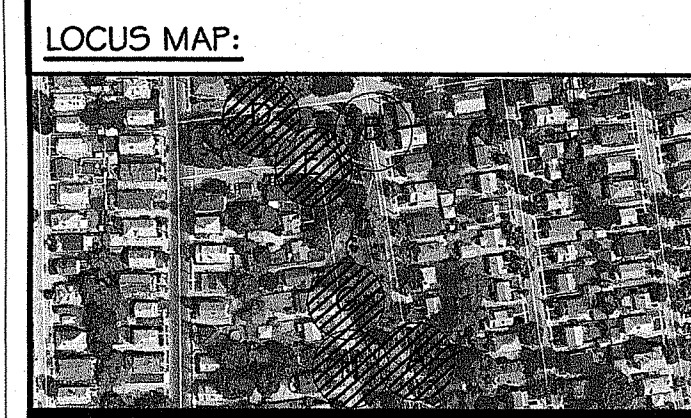


KEY	BID ITEM	SHEET	BID ITEM

- | LEGEND PROPOSE:       | LEGEND EXISTING: |
|-----------------------|------------------|
| EXISTING TREE         | EDGE OF PAVEMENT |
| TREE PROTECTION       | EDGE OF STREAM   |
| GRANITE CURB          | OVERHEAD WIRES   |
| RIVER STONE           | SPOT ELEVATION   |
| BIO FILTRATION        | CONTOUR          |
| BITUMINOUS PATH       | CATCH BASIN      |
| SILT SOCK             | DRAINAGE MANHOLE |
| LIMIT OF WORK         | SEWER MANHOLE    |
| WETLAND SET BACK      | HYDRANT          |
| PROPOSED SPOT GRADE   | UTILITY POLE     |
| TC TOP OF CURB        | STOP SIGN        |
| BC BOTTOM OF CURB     | WATER GATE       |
| TFB TREE FILTER BASIN | GAS GATE         |

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OR APPROVAL  
DATED MAR 01 2019 FILE # *A-093*  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

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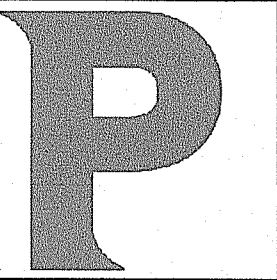
- GENERAL NOTES:**
- BASE INFORMATION OBTAINED FROM SITE PLAN DATED 02/1/90 AND COMPLETED AT 1" = 20' FOR PROVIDENCE PARKS DEPARTMENT BY PAT LOHEDLAND/LANDSCAPE ARCHITECT 192 MAIN STREET WATERTOWN, MA 02172 (617) 932-0168
  - LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM PLEASANT VALLEY PARKWAY SITE IMPROVEMENTS PLAN SHEET # 114 12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCH ENGINEERING, INC. 1 APPLETON STREET BOSTON, MA 02116 PHONE: (617) 338-0063 FAX: (617) 338-6472  
MARK W. HUTCHINS & ASSOCIATES, INC. 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-3200
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  - BASE OF ELEVATIONS: CITY OF PROVIDENCE DATUM MEAN HIGH WATER (M.H.W.)
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NOT FOR CONSTRUCTION  
LAYOUT PLAN

AREA (B) STORM WATER DRAINAGE		
NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY  
STORM WATER PROJECT**  
ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

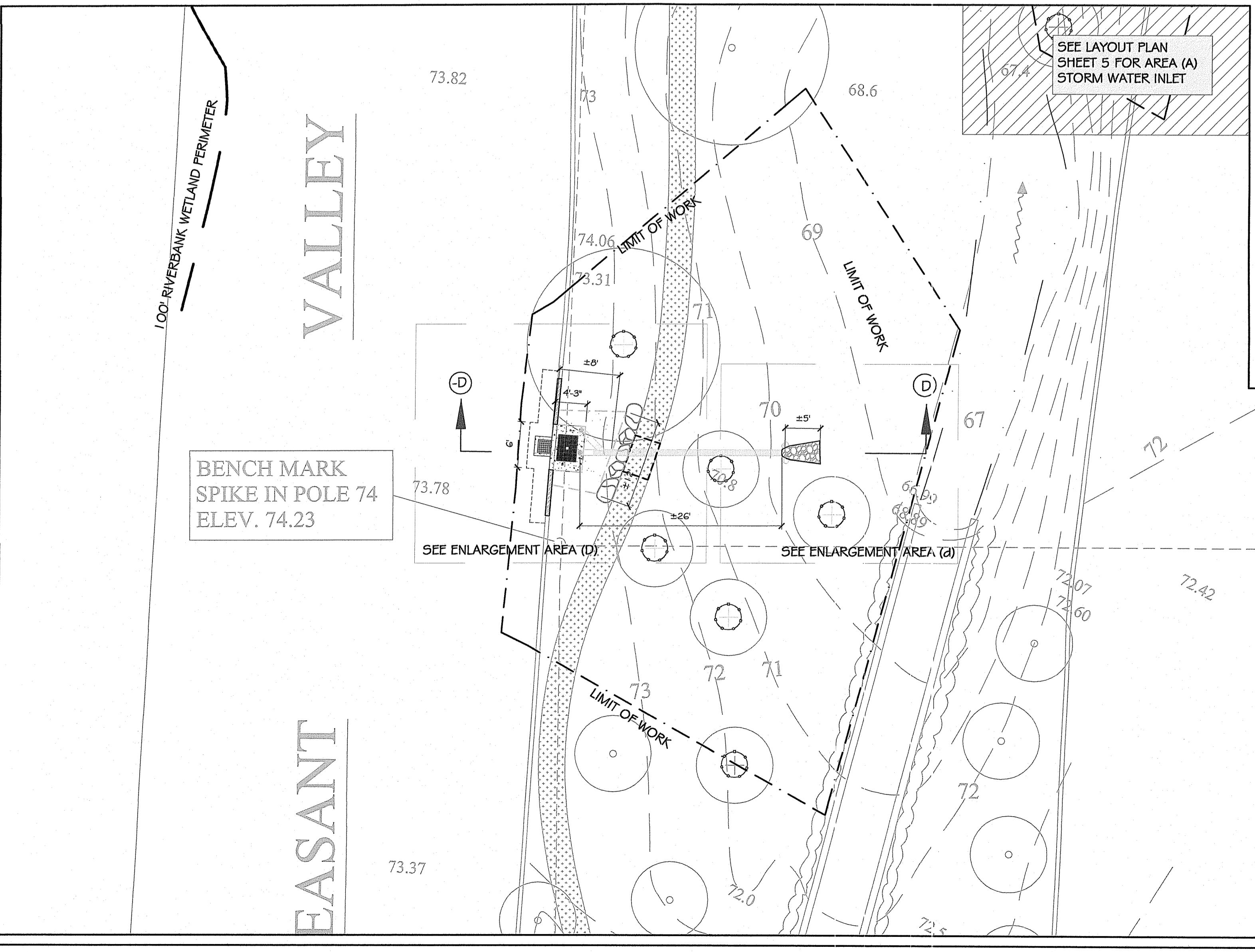
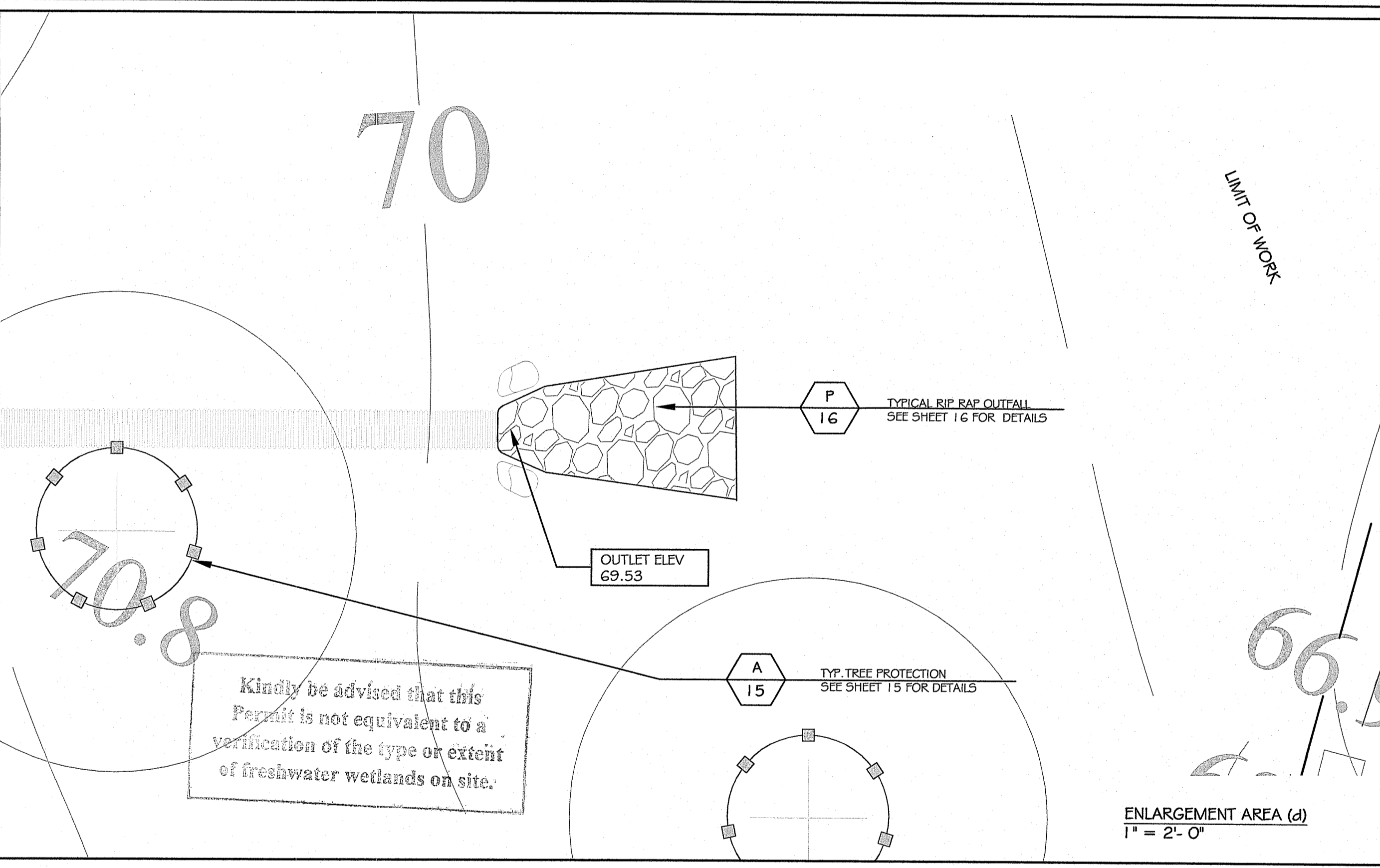
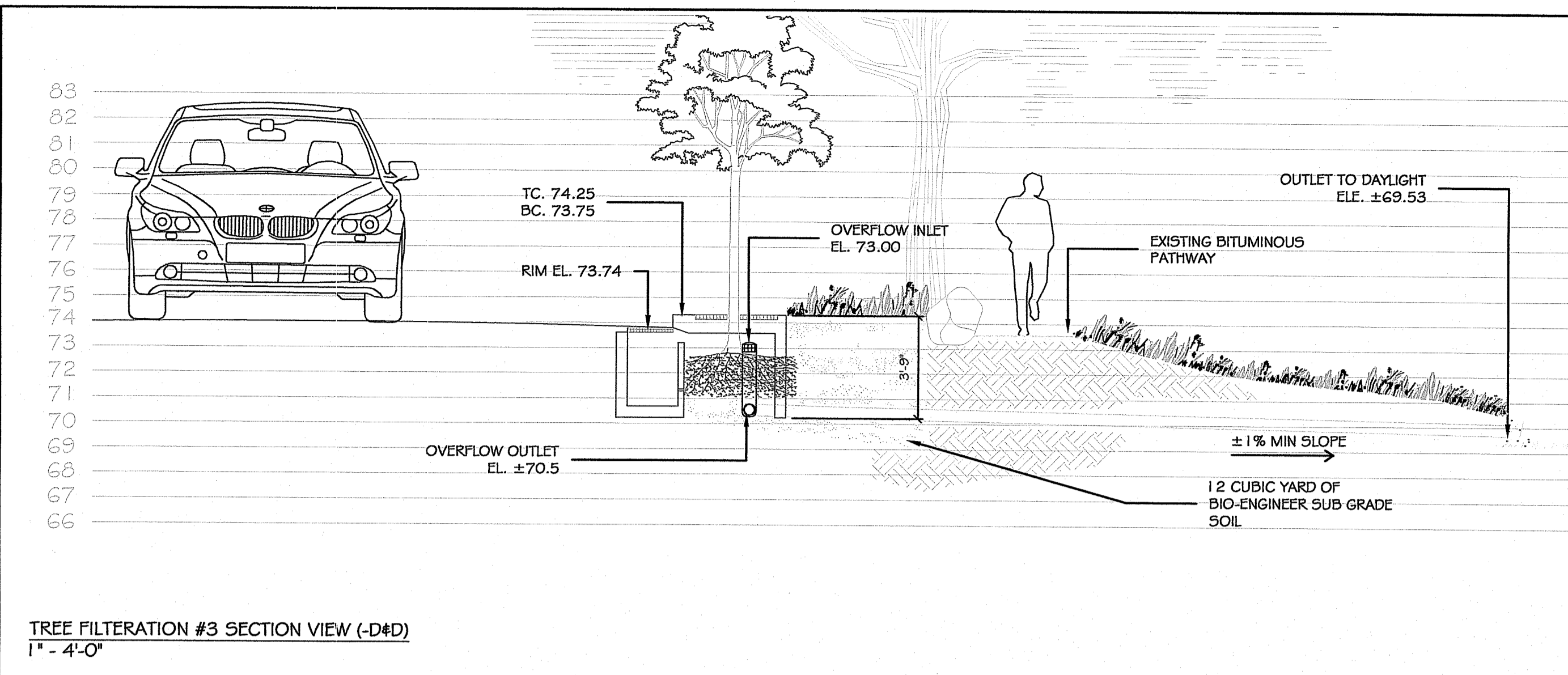
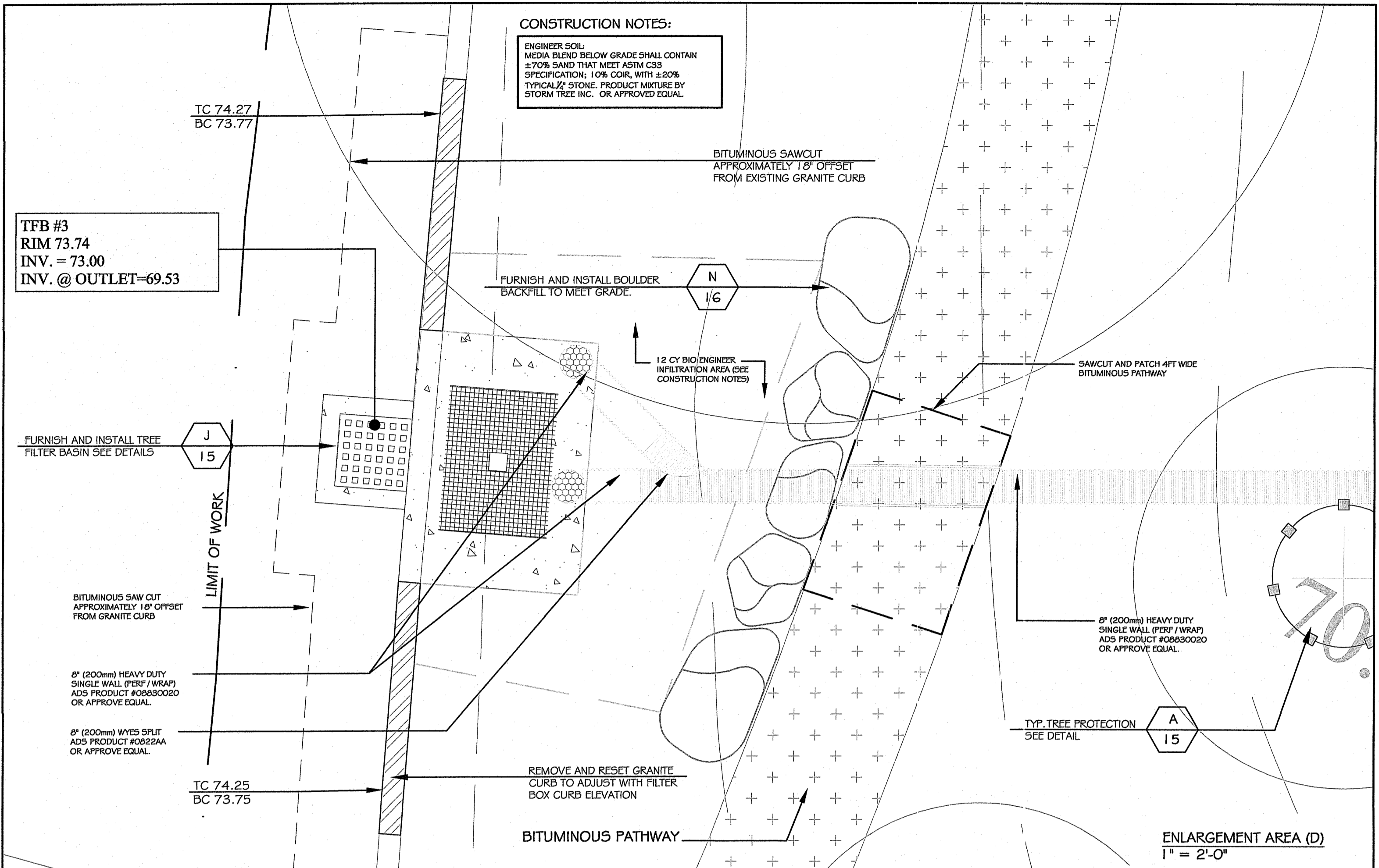
PREPARED BY: ED  
CHECKED BY:  
APPROVED BY:



DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT #          SHEET  
DATE AUG 22, 2018  
SCALE AS NOTED  
**6**  
6 OF 16





**SITE IMPROVEMENTS LEGEND:**

KEY	BID ITEM	SHEET	BID ITEM

**LEGEND PROPOSE:**

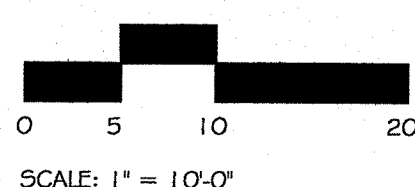
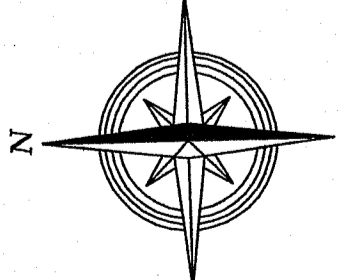
- EXISTING TREE
- TREE PROTECTION
- GRANITE CURB
- RIVER STONE
- BIO FILTRATION
- BITUMINOUS PATH
- BOULDER
- SILT SOCK
- LIMIT OF WORK
- WETLAND SET BACK
- PROPOSED SPOT GRADE
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TFB TREE FILTER BASIN

**LEGEND EXISTING:**

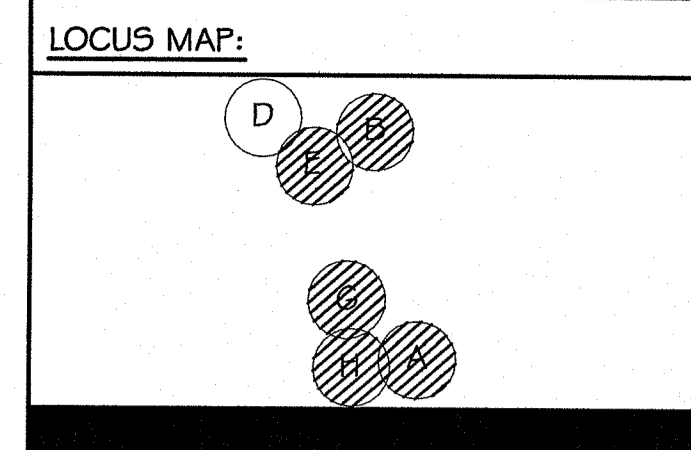
- EDGE OF PAVEMENT
- EDGE OF STREAM
- OVERHEAD WIRES
- SPOT ELEVATION
- CONTOUR
- CATCH BASIN
- DRAINAGE MANHOLE
- SEWER MANHOLE
- HYDRANT
- UTILITY POLE
- STOP SIGN
- WATER GATE
- GAS GATE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED MAR 01 2019 FILE # 17-0193  
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*Signature: D. Wenczel*



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- GENERAL NOTES:**
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  - LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM PLEASANT VALLEY PARKWAY SITE IMPROVEMENTS PLAN SHEET # 114 12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCH ENGINEERING, INC. 1 APPLETON STREET BOSTON, MA 02116 PHONE: (617) 338-0063 FAX: (617) 338-6472  
 MARK W HUTCHINS & ASSOCIATES, INC 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-3200
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**LAYOUT PLAN**

NOT FOR CONSTRUCTION

**AREA (D) STORM WATER DRAINAGE**

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

ELMHURST NEIGHBORHOOD  
 PLEASANT VALLEY PARKWAY  
 PROVIDENCE, RI

DEPARTMENT OF PARKS & RECREATION  
 DALRYMPLE BOATHOUSE  
 ROGER WILLIAMS PARK  
 PROVIDENCE, RI 02905

PREPARED BY: ED

CHECKED BY:

APPROVED BY:

PROJECT #:

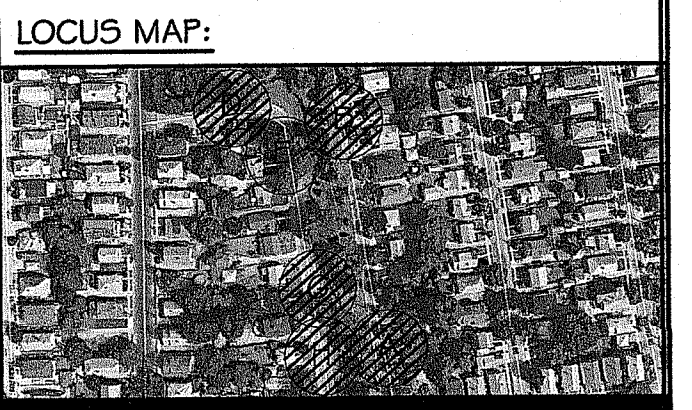
DATE: AUG 22, 2018

SCALE: AS NOTED

**7**

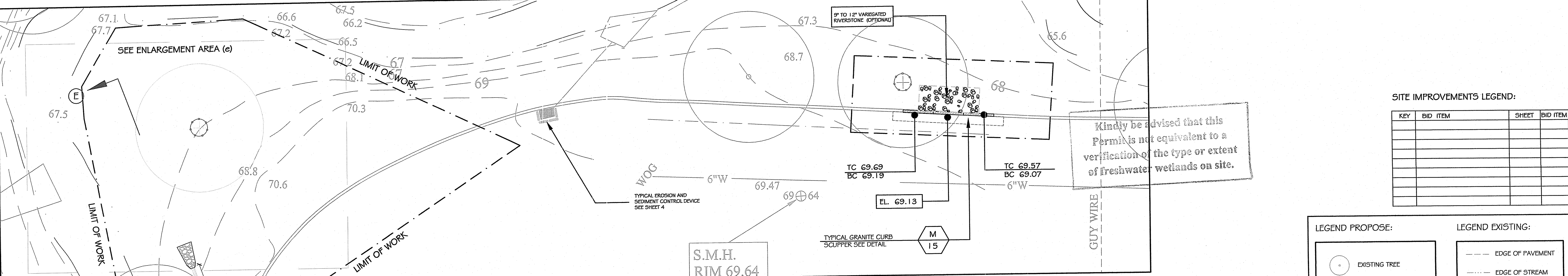
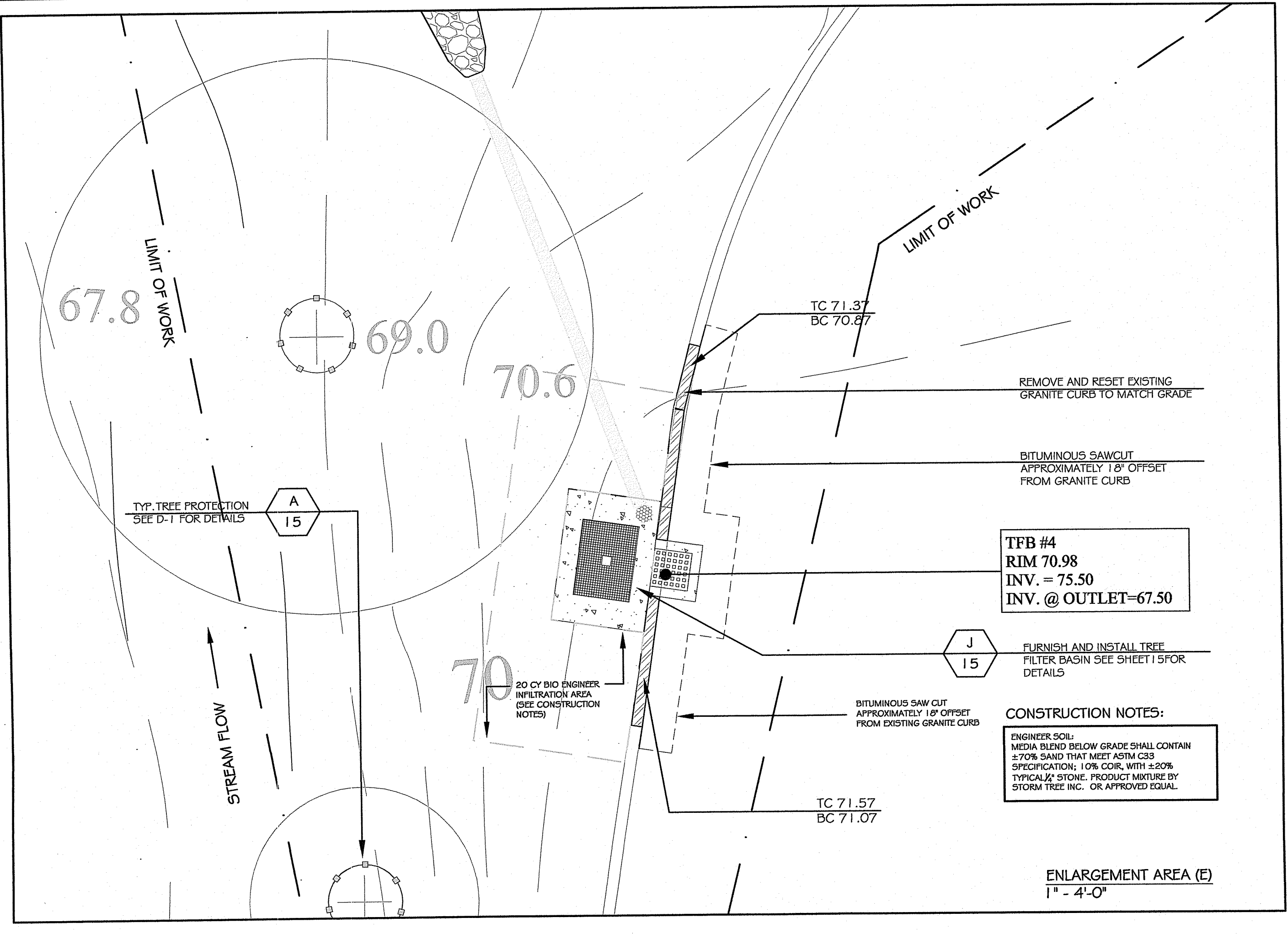
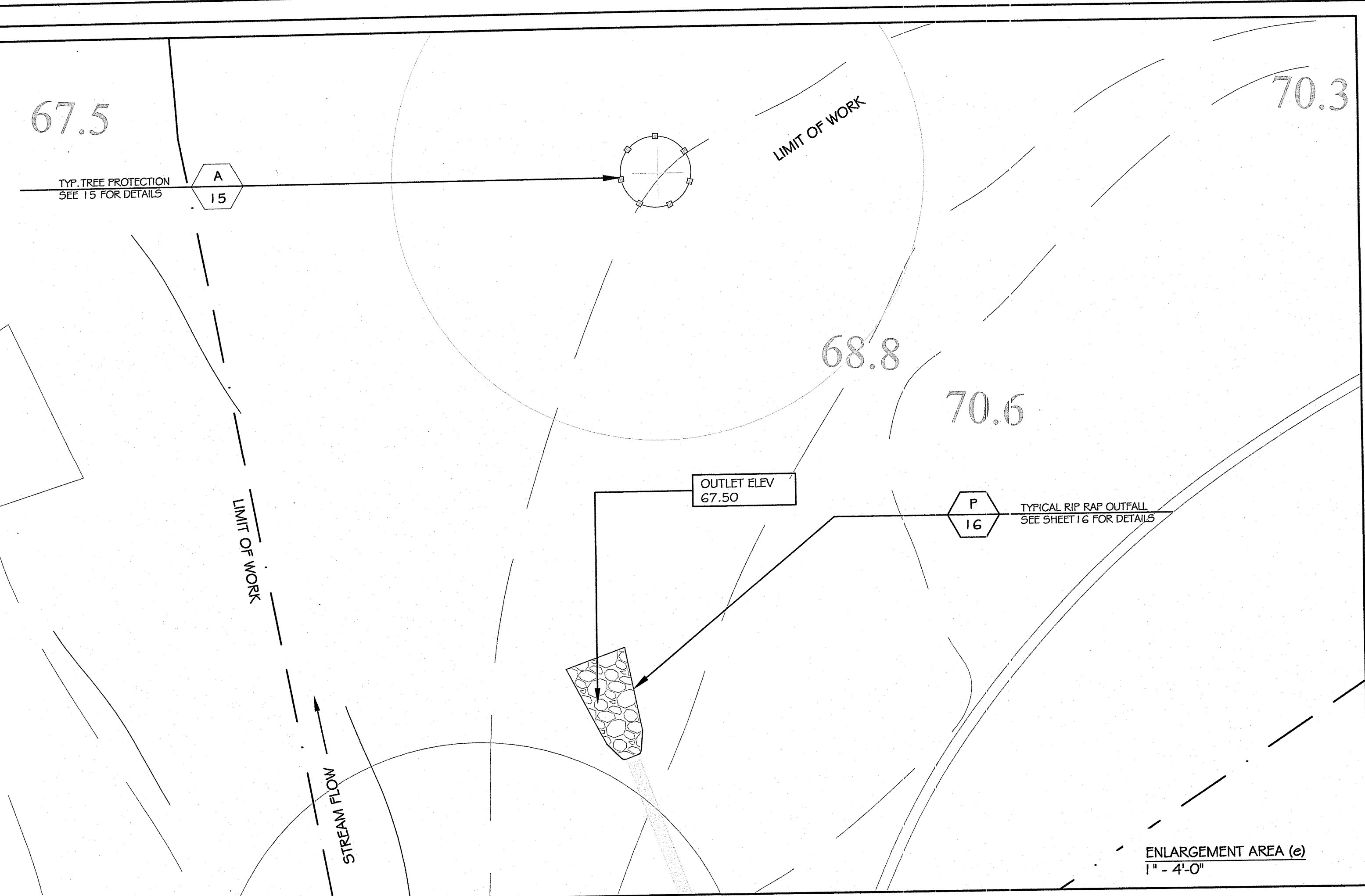
7 OF 16





GENERAL NOTES:

- BASE INFORMATION OBTAINED FROM SITE PLAN DATED 8/21/90 AND COMPLETED AT 1" = 20' FOR PROVIDENCE PARKS DEPARTMENT BY PAT LOHRELANDSCAPE ARCHITECT 182 MAIN STREET WATERTOWN, MA 02172 (617) 932-0188
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Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

SITE IMPROVEMENTS LEGEND:

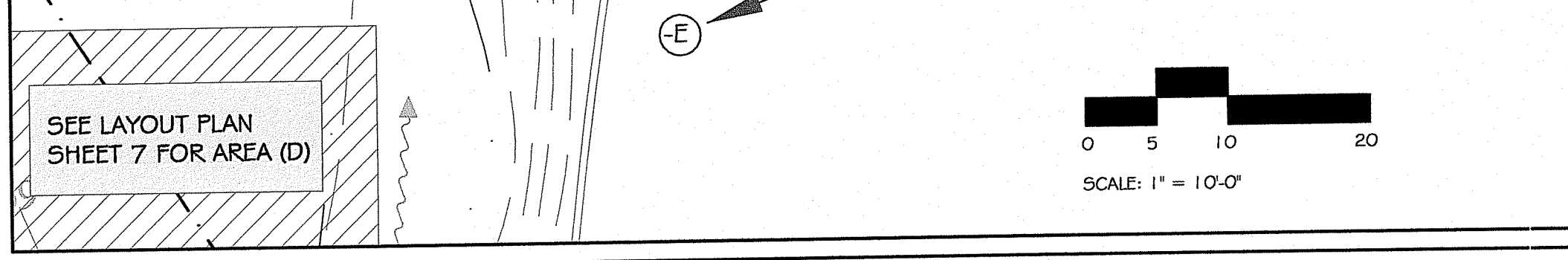
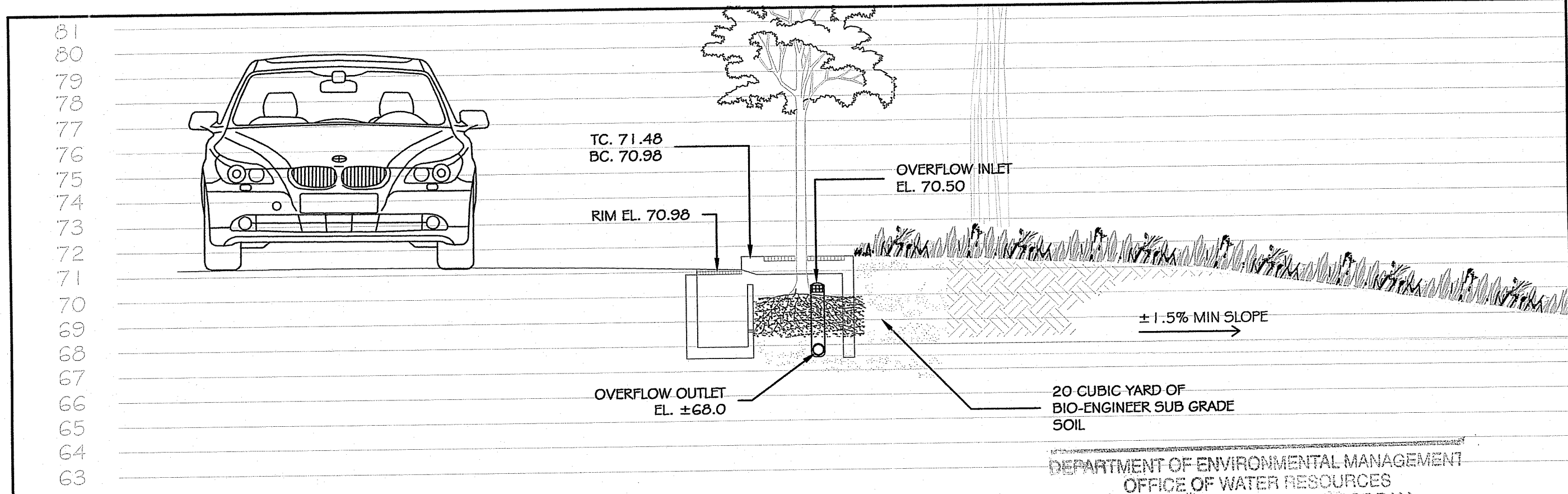
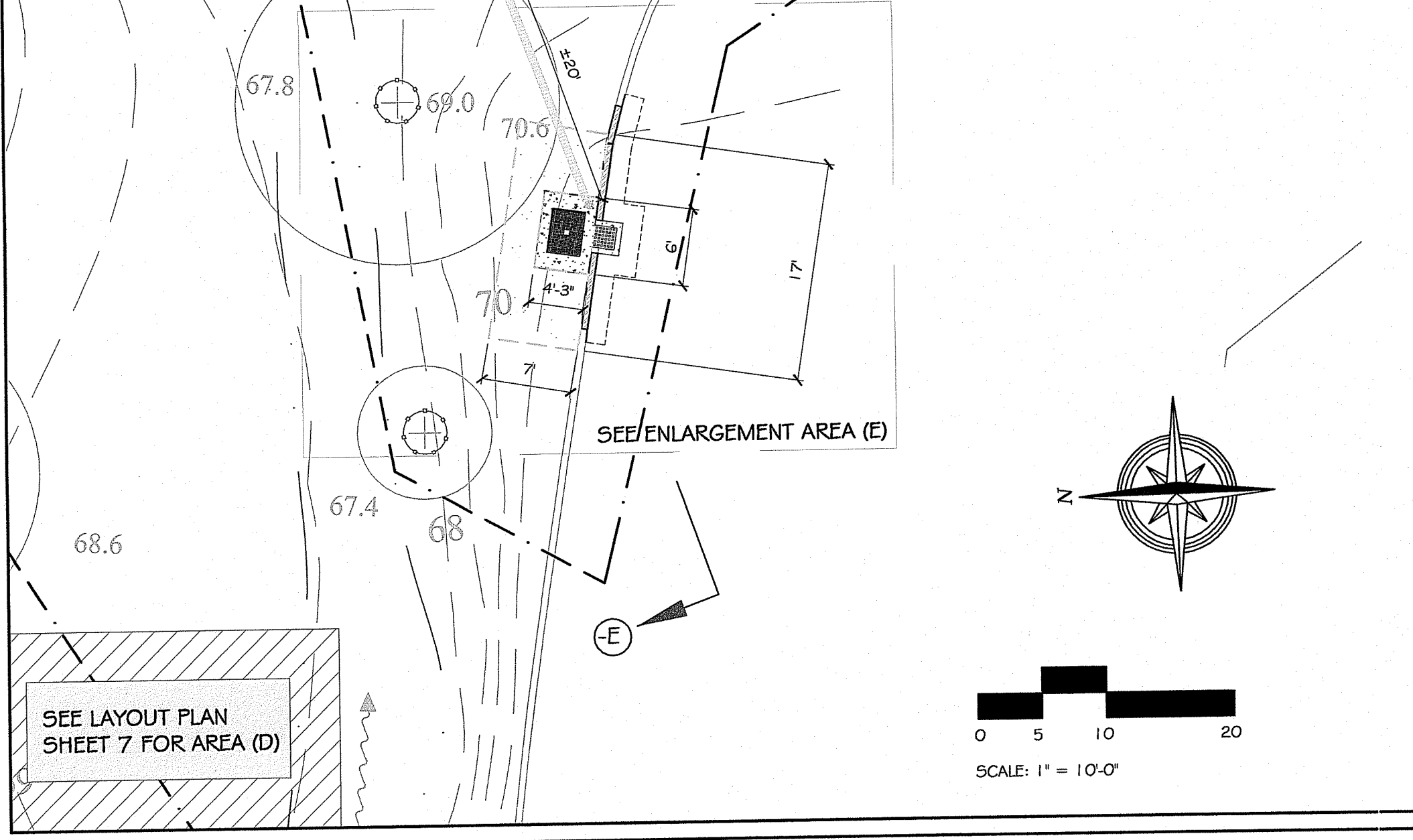
KEY	BID ITEM	SHEET	BID ITEM

LEGEND PROPOSE:

- EXISTING TREE
- TREE PROTECTION
- GRANITE CURB
- RIVER STONE
- BIO FILTRATION
- BITUMINOUS PATH
- SILT SOCK
- LIMIT OF WORK
- WETLAND SETBACK
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- TC TOP OF CURB
- BC BOTTOM OF CURB
- TFB TREE FILTER BASIN

LEGEND EXISTING:

- EDGE OF PAVEMENT
- EDGE OF STREAM
- OVERHEAD WIRES
- SPOT ELEVATION
- CONTOUR
- CATCH BASIN
- DRAINAGE MANHOLE
- SEWER MANHOLE
- HYDRANT
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- STOP SIGN
- WATER GATE
- GAS GATE



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
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DATED MAR 01 2019 FILE # 17-0293  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*J. D. [Signature]*

AREA (E)  
STORM WATER  
DRAINAGE

NO.	REVISION/ISSUE	DATE
	REVISION	2/11/19

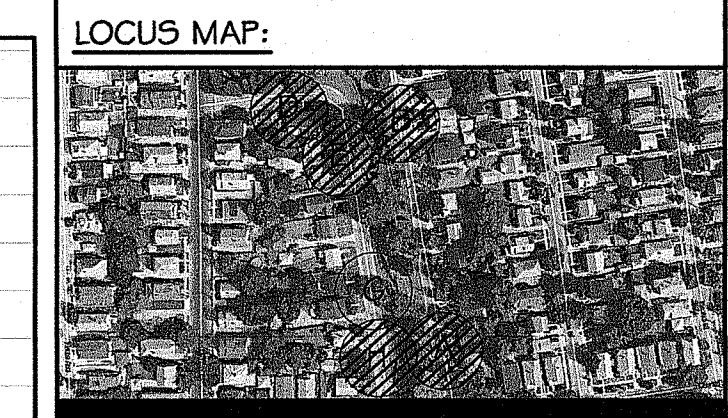
PLEASANT VALLEY PKWY  
STORM WATER PROJECT  
ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

PREPARED BY ED	
CHECKED BY MG/BB	
APPROVED BY BB	
DEPARTMENT OF PARKS & RECREATION DALRYMPLE BOATHOUSE ROGER WILLIAMS PARK PROVIDENCE, RI 02905	
PROJECT #	SHEET
DATE AUG 22, 2018	
SCALE AS NOTED	8 OF 16

LAYOUT PLAN

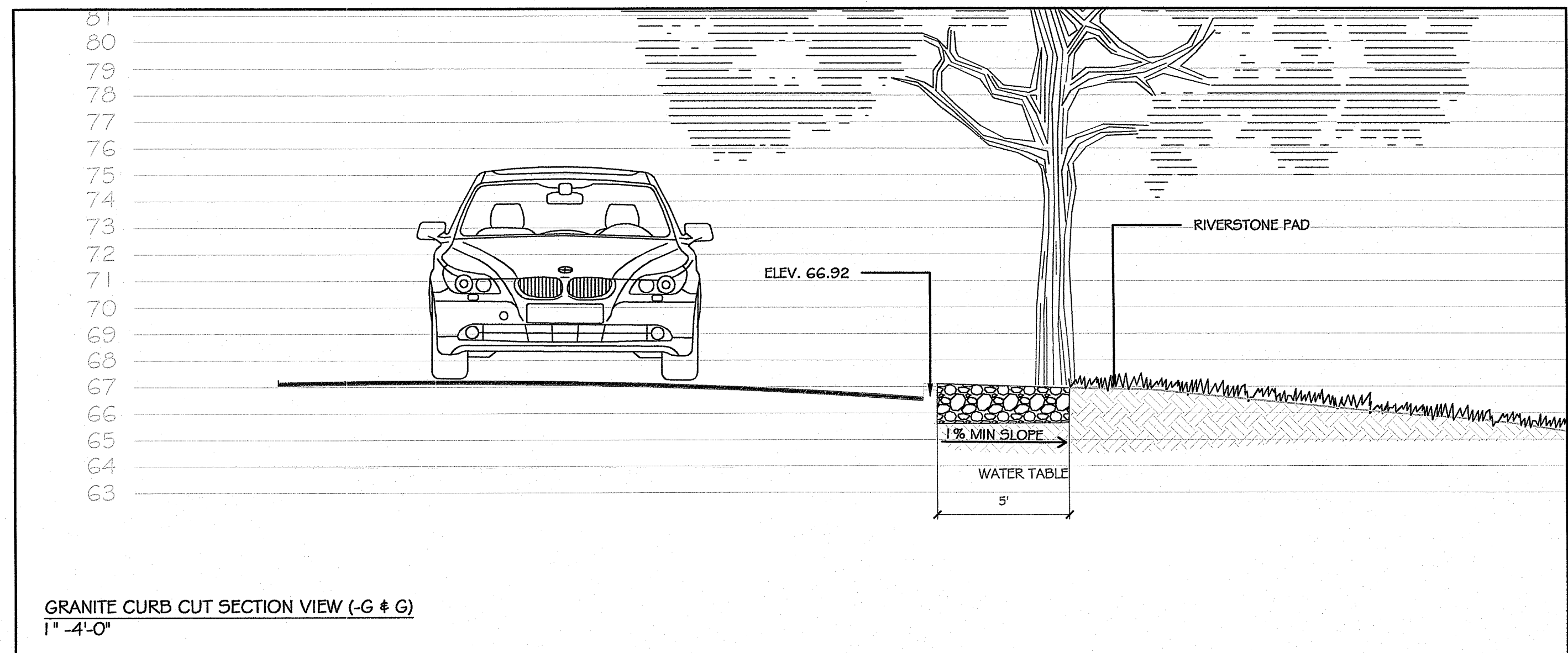
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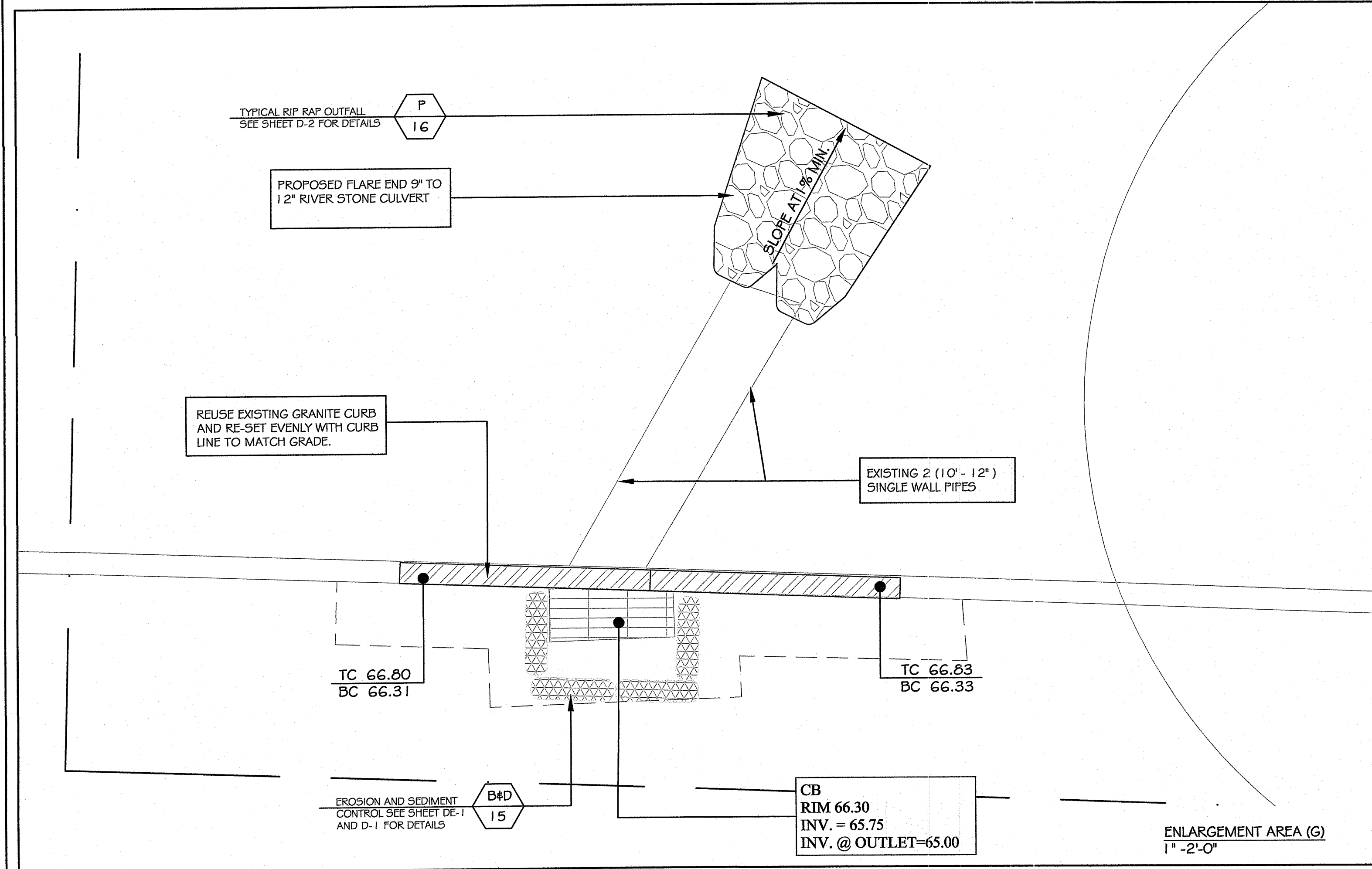


**GENERAL NOTES:**

1. BASE INFORMATION OBTAINED FROM SITE PLAN DATED 02/19/90 AND COMPLETED AT 1" = 20' FOR PROVIDENCE PARKS DEPARTMENT BY PAT LOHEED/LANDSCAPE ARCHITECT 182 MAIN STREET WATERTOWN, MA 02172 (617) 932-0188
2. LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM PLEASANT VALLEY PARKWAY SITE IMPROVEMENTS PLAN SHEET # 11 & 12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCH ENGINEERING, INC. 1 APPLETON STREET BOSTON, MA 02116 PHONE: (617) 338-0063 FAX: (617) 338-6472 MARK W HUTCHINS & ASSOCIATES, INC 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-3200
3. ALL UTILITIES HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN. BOTH ON-SITE AND OFF ALL SERVICES SHOWN ARE APPROXIMATE ONLY AND WERE TAKEN FROM UTILITY COMPANY PLANS
4. PRIOR TO EXCAVATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIM/HERSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTACT DIGSAFE AT 1.888.344.7233
5. BASE OF ELEVATIONS: CITY OF PROVIDENCE DATUM MEAN HIGH WATER (M.H.W.)
6. ANY ERRORS OR DISCREPANCIES ON THE DRAWINGS, SHOP DRAWINGS AND DETAILS ARE TO BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECTS BEFORE THE WORK HAS COMMENCED.
7. THE CONTRACTOR SHALL RESTORE ALL SURFACES EQUAL TO THEIR ORIGINAL CONDITION AFTER CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO SHRUBS, TREES, OTHER LANDSCAPE AND/OR EXISTING FEATURES. EXISTING CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF THE WORK.
8. ALL EROSION CONTROL WILL BE INSPECTED AND REMEDIAL MAINTENANCE PERFORMED BY CONTRACTOR.



GRANITE CURB CUT SECTION VIEW (-G # G)  
1" = 4'-0"

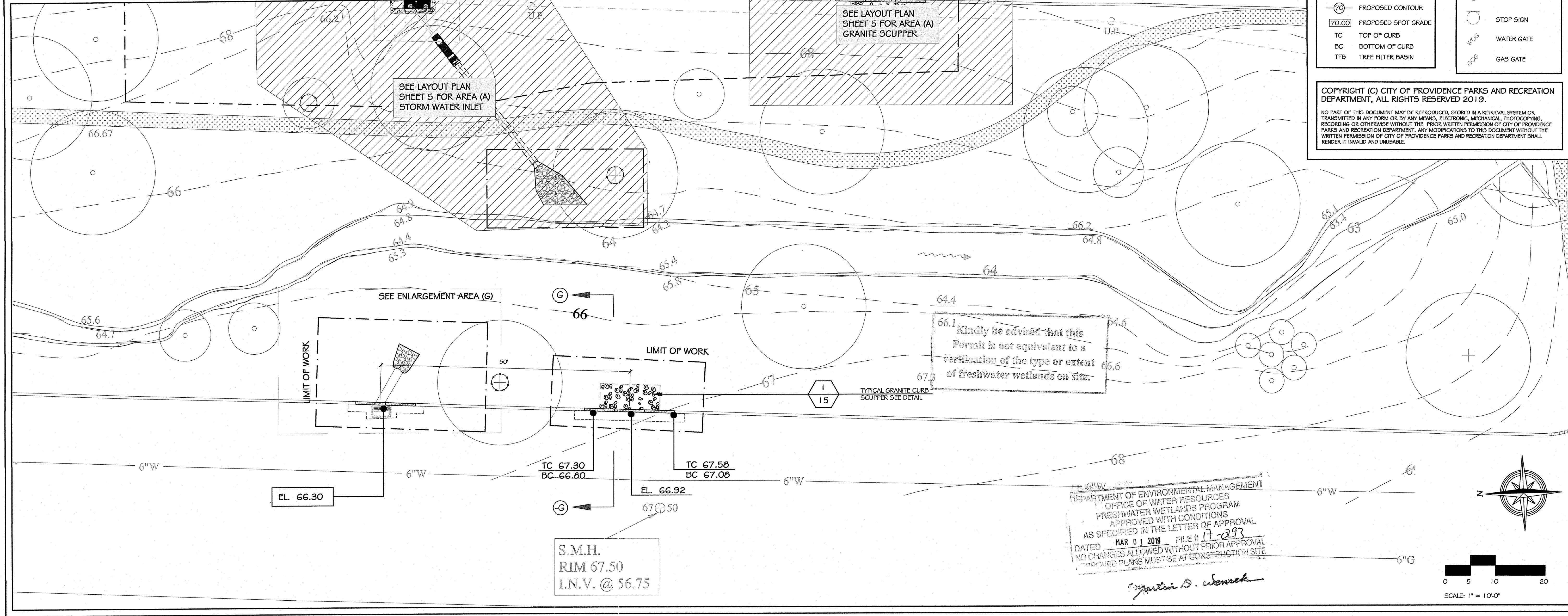


SITE IMPROVEMENTS LEGEND:			
KEY	BID ITEM	SHEET	BID ITEM

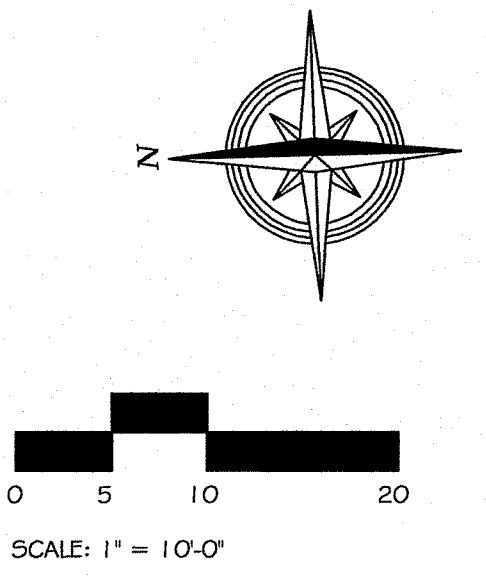
  

LEGEND PROPOSE:		LEGEND EXISTING:	
	EXISTING TREE		EDGE OF PAVEMENT
	TREE PROTECTION		EDGE OF STREAM
	GRANITE CURB		OVERHEAD WIRES
	RIVER STONE		SPOT ELEVATION
	BIO FILTRATION		CONTOUR
	BITUMINOUS PATH		CATCH BASIN
	BOULDER		DRAINAGE MANHOLE
	COIR FIBER LOG		SEWER MANHOLE
	SILT SOCK		HYDRANT
	LIMIT OF WORK		UTILITY POLE
	WETLAND SETBACK		STOP SIGN
	PROPOSED CONTOUR		WATER GATE
	PROPOSED SPOT GRADE		GAS GATE
TC	TOP OF CURB		
BC	BOTTOM OF CURB		
TFB	TREE FILTER BASIN		

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 01 2018 FILE # 17-293  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Stephen D. Wenzel*



NOT FOR CONSTRUCTION

**AREA (G#H)  
STORM WATER  
DRAINAGE**

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY  
STORM WATER PROJECT**  
ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

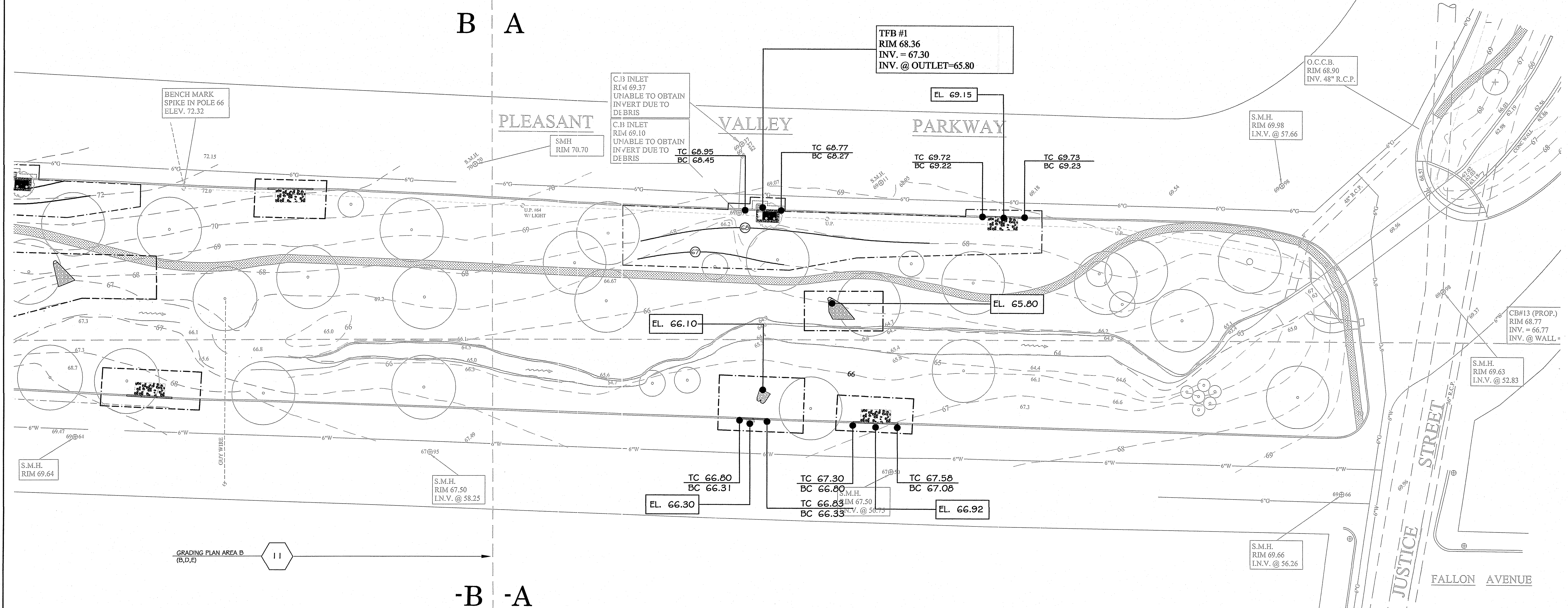
PREPARED BY	ED	
CHECKED BY	MG/BB	
APPROVED BY	BB	
DEPARTMENT OF PARKS & RECREATION DALRYMPLE BOATHOUSE ROGER WILLIAMS PARK PROVIDENCE, RI 02905		
PROJECT #		SHEET
DATE	AUG 22, 2018	<b>9</b>
SCALE	AS NOTED	9 OF 16





GENERAL NOTES:

1. BASE INFORMATION OBTAINED FROM SITE PLAN DATED 02/18/00 AND COMPLETED AT 1" = 20' FOR PROVIDENCE PARKS DEPARTMENT BY PAT LOHEDLANDSCAPE ARCHITECT 182 MAIN STREET WATERTOWN, MA 02172 (617) 932-0185
2. LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM PLEASANT VALLEY PARKWAY SITE IMPROVEMENTS PLAN SHEET # 114 12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCH ENGINEERING, INC. 1 APPLETON STREET BOSTON, MA 02111 G PHONE: (617) 338-0063 FAX: (617) 338-6472  
MARK W HUTCHINS & ASSOCIATES, INC 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-3200
3. ALL UTILITIES HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. WE ASSUME NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN. BOTH ON-SITE AND OFF-SITE UTILITIES SHOWN ARE APPROXIMATE ONLY AND WERE TAKEN FROM UTILITY COMPANY PLANS
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NOT FOR CONSTRUCTION

GRADING PLAN

GRADING AREA (A, G, H)

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

PLEASANT VALLEY PKWY STORM WATER PROJECT

ELMHURST NEIGHBORHOOD PLEASANT VALLEY PARKWAY PROVIDENCE, RI

PREPARED BY	ED	<b>P</b>
CHECKED BY	MG/BB	
APPROVED BY	BB	

DEPARTMENT OF PARKS & RECREATION DALRYMPLE BOATHOUSE ROGER WILLIAMS PARK PROVIDENCE, RI 02905

PROJECT #	SHEET
DATE	AUG 22, 2018
SCALE	AS NOTED

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 01 2018 FILE # 17-093  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Christian D. Warwick*

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

**LEGEND PROPOSE:**

- EXISTING TREE
- GRANITE CURB
- RIVER STONE
- BITUMINOUS PATH
- BOULDER
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- TC TOP OF CURB
- BC BOTTOM OF CURB

**LEGEND EXISTING:**

- EDGE OF PAVEMENT
- EDGE OF STREAM
- OVERHEAD WIRES
- SPOT ELEVATION
- CONTOUR
- CATCH BASIN
- DRAINAGE MANHOLE
- SEWER MANHOLE
- HYDRANT
- UTILITY POLE
- STOP SIGN
- WATER GATE
- GAS GATE

SCALE: 1" = 20'-0"

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NELSON STREET

B A

PLEASANT VALLEY

-B -A

TFB #2  
RIM = 72.88  
INV. = 72.50  
INV. @ OUTLET = 69.96

TC 72.25  
BC 71.75

EL. 71.60

C.B INLET  
RIM 69.37  
UNABLE TO OBTAIN  
INVERT DUE TO  
DEBRIS

BENCH MARK  
SPIKE IN POLE 66  
ELEV. 72.32

TC 71.94  
BC 71.44

SMH  
RIM 70.70

OUTLET ELEV  
67.50

TFB #4  
RIM 70.98  
INV. = 75.50  
INV. @ OUTLET = 67.50

TC 71.37  
BC 70.87

TC 71.57  
BC 71.07

S.M.H.  
RIM 69.64

S.M.H.  
RIM 67.50  
I.N.V. @ 58.25

10 GRADING AREA  
(A.G.F)

TFB #3  
RIM 73.74  
INV. = 73.00  
INV. @ OUTLET = 69.53

TC 74.27  
BC 73.77

TC 74.25  
BC 73.75

BENCH MARK  
SPIKE IN POLE 74  
ELEV. 74.23

OUTLET ELEV  
69.53

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 01 2019 FILE # 17-019  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Christopher D. Senechal*

LEGEND PROPOSE:

- EXISTING TREE
- GRANITE CURB
- RIVER STONE
- BITUMINOUS PATH
- BOULDER
- PROPOSED CONTOUR
- PROPOSED SPOT GRADE
- TOP OF CURB
- BOTTOM OF CURB

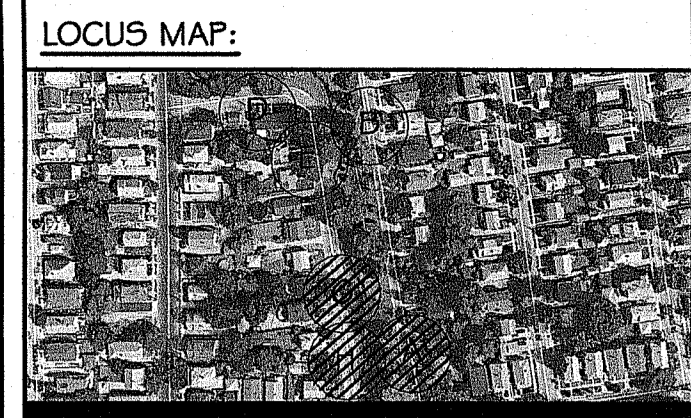
LEGEND EXISTING:

- EDGE OF PAVEMENT
- EDGE OF STREAM
- OVERHEAD WIRES
- SPOT ELEVATION
- CONTOUR
- CATCH BASIN
- DRAINAGE MANHOLE
- SEWER MANHOLE
- HYDRANT
- UTILITY POLE
- STOP SIGN
- WATER GATE
- GAS GATE

SCALE: 1" = 20'-0"

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- LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM SHEET # 114.12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCH ENGINEERING, INC. 1 APPLETON STREET BOSTON, MA 02116 PHONE: (617) 338-0063 FAX: (617) 338-6472 MARK W HUTCHINS & ASSOCIATES, INC 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-3200
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GRADING PLAN B  
NOT FOR CONSTRUCTION

GRADING AREA (B,D,E)

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

PLEASANT VALLEY PKWY  
STORM WATER PROJECT  
ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

PREPARED BY: ED

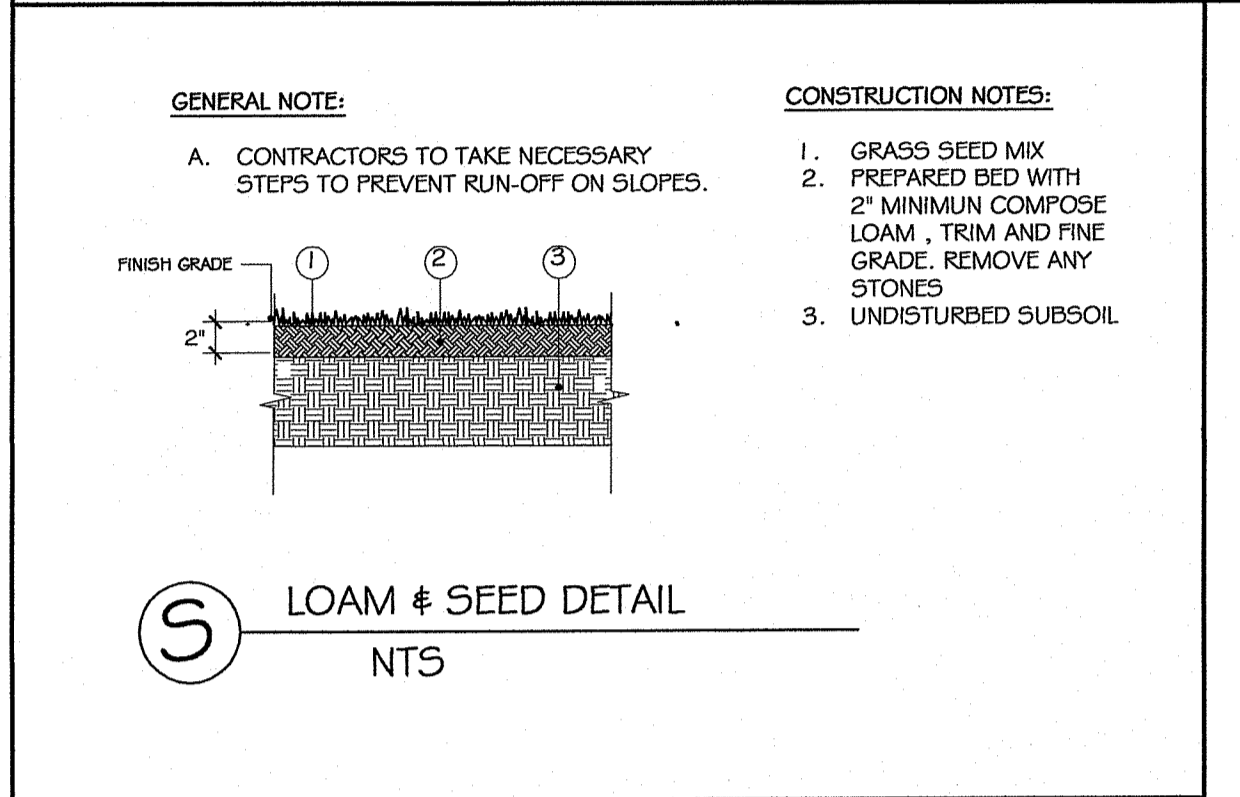
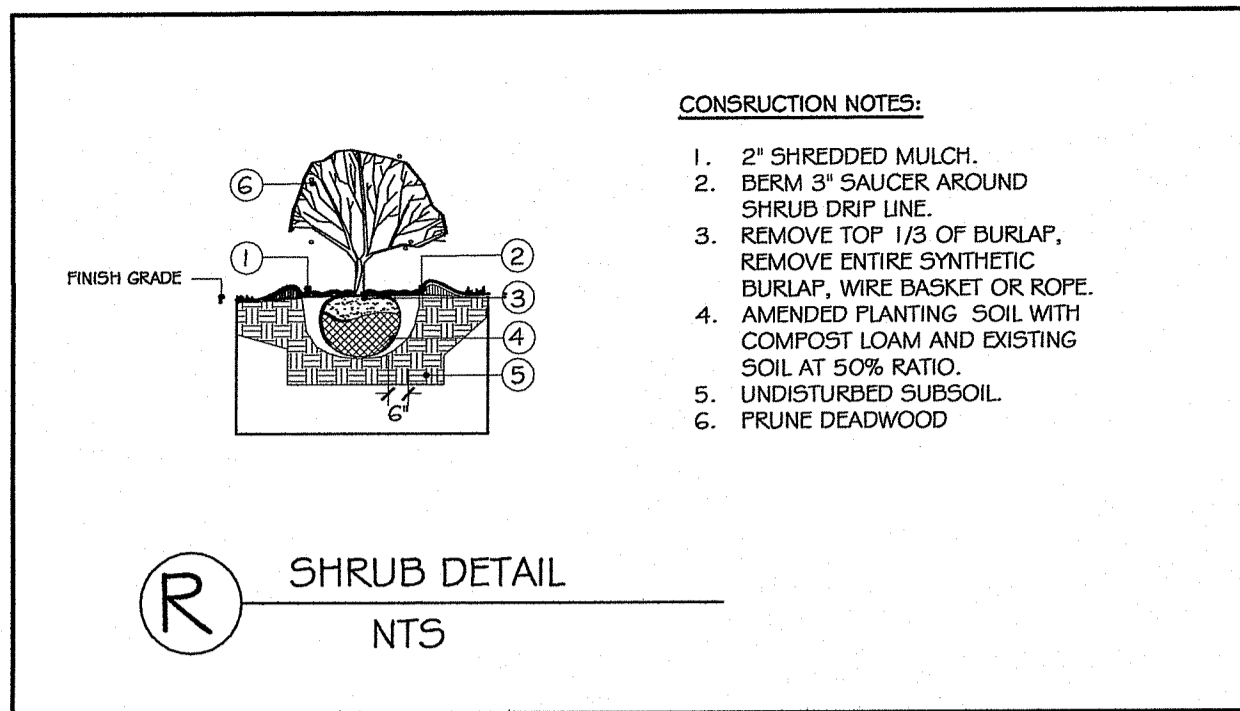
CHECKED BY: MG/BB

APPROVED BY: BB

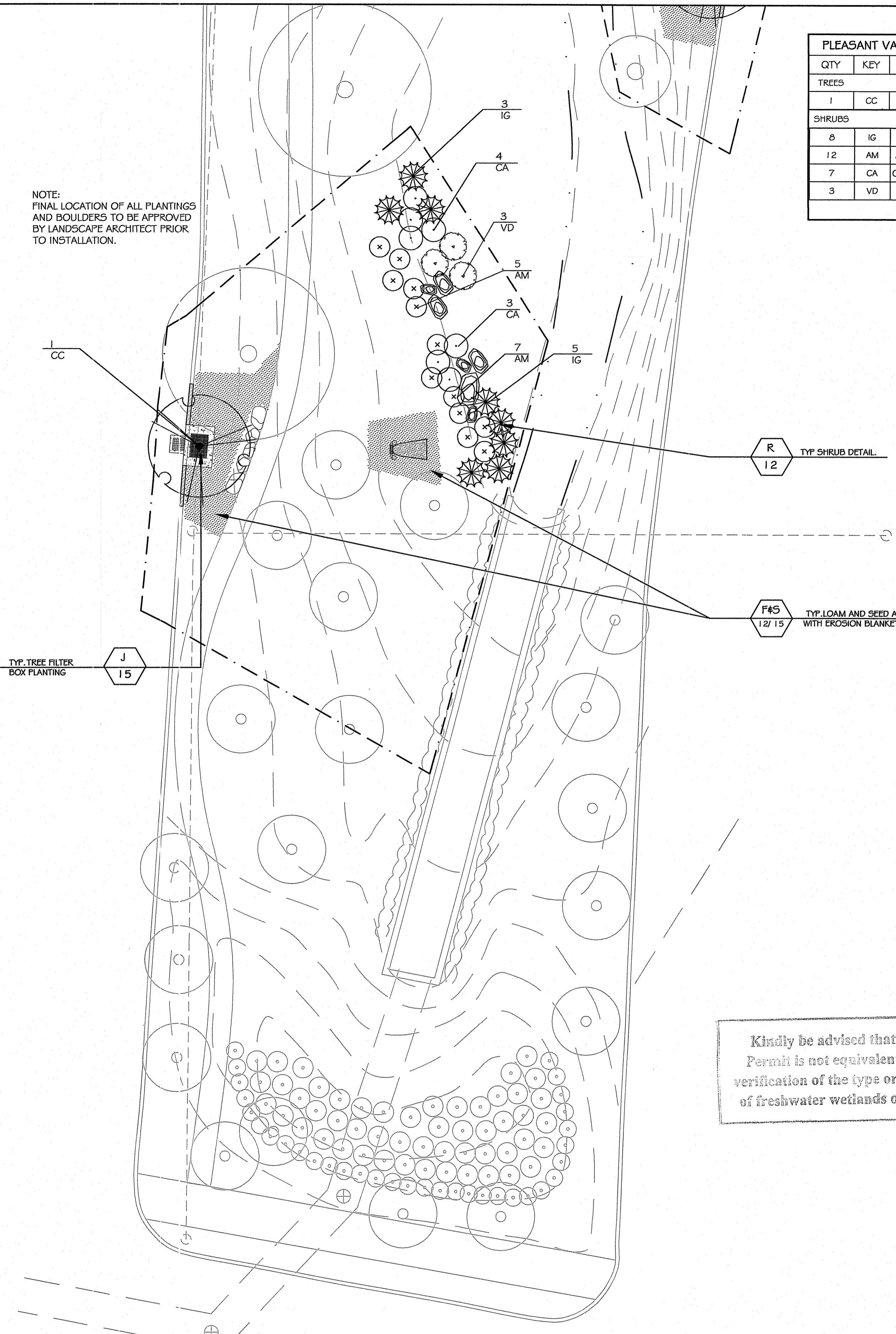
DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT #	SHEET
DATE	AUG 22, 2018
SCALE	AS NOTED
	11 OF 16





NOTE: FINAL LOCATION OF ALL PLANTINGS AND BOULDERS TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.



**PLEASANT VALLEY PKWY - PLANT SCHEDULE- AREA D**

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITIONS	TREE MATURITY	CANOPY COVERAGE
<b>TREES</b>							
1	CC	CARPINUS CAROLINIANA	AMERICAN HORNBAM	1.5'-2'	B&B	Large	
<b>SHRUBS</b>							
8	IG	ILEX GLABRA 'DENSE'	DARK INBERRY	#3	CONTAINER	Med	----
12	AM	ARONIA MELANOCARPA 'MORTON'	MORTON BLACK CHOKEBERRY	#3	CONTAINER	Med	----
7	CA	CLETHRA ALNIFOLIA 'VANILLA SPICE'	DWARF SUMMERSWEET	#3	CONTAINER	Med	----
3	VD	VIBURNUM DENTATUM 'MUFFIN'	DWARF ARROWOOD VIBURNUM	#3	CONTAINER	Med	----

- GENERAL PLANTING NOTES**
- ALL NEW PLANT MATERIALS SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
  - ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
  - THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
  - ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
  - ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
  - THE CONTRACTOR SHALL SEND A REPRESENTATIVE SAMPLE OF THE TOPSOIL TO A TESTING LABORATORY FOR STANDARD SOIL ANALYSIS AS DESCRIBED IN THE SPECIFICATIONS. TEST RESULTS WITH RECOMMENDED SOIL TREATMENTS TO PROMOTE PLANT AND TURF GROWTH SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT. DEFICIENCIES IN LOAM AND STOCKPILED TOPSOIL SHALL BE CORRECTED BY THE CONTRACTOR AS DIRECTED BY THE TESTING AGENCY.
  - CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
  - STAKE LOCATIONS OF ALL PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING. INDIVIDUAL STAKES SHALL BE PLACED FOR TREES AND SHRUBS. EDGE OF PLANTING BEDS SHALL BE PAINTED. NOTIFY LANDSCAPE ARCHITECT 24 HOURS PRIOR TO DESIRED APPROVAL.
  - ALL NEW PLANTS SHALL BE SUPPLIED AND INSTALLED DURING THE PERIODS OF APRIL 1 - JUNE 15 AND/OR SEPTEMBER 1 - NOVEMBER 15.
  - PREPARE ALL INDIVIDUAL TREE PITS AND SHRUB PLANTING BEDS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") WITH SPECIFIED PLANTING MIX: 50% SCREENED TOPSOIL, 40% EXISTING SOIL AND 10% COMPOST. BLEND COMPOST INTO TOP 4" OF SOIL. PLANTING MIX SHALL BE FREE OF LUMPS, STONES, PLANTS, ROOTS, AND OTHER FOREIGN MATTER.
  - ALL SHRUB BEDS AND INDIVIDUAL TREE PITS SHALL RECEIVE FOUR INCHES (4") OF BARK MULCH PER SPECIFICATIONS. PERENNIAL AND GROUNDCOVER BEDS SHALL RECEIVE TWO INCHES (2"), PROVIDE LANDSCAPE ARCHITECT WITH SAMPLE FOR APPROVAL.
  - ALL BURLAP, TWINE AND WIRE SHALL BE COMPLETELY REMOVED OR CUT AWAY AT TIME OF INSTALLATION.
  - PRUNE TREES IN ACCORDANCE WITH THE SPECIFICATIONS.
  - PLANT WARRANTY SHALL BE FOR ONE FULL GROWING SEASON FROM THE TIME OF INSTALL.
  - LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE PERIODS OR GUARANTEE PERIODS.
  - IF NO IRRIGATION SYSTEM IS PLANNED, AN APPROPRIATE WATERING SCHEDULE SHALL BE ESTABLISHED BY THE LANDSCAPE CONTRACTOR FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND PROVIDED IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL. THE APPROVED SCHEDULE SHOULD BE FOLLOWED UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
  - ALL VEGETATION AND DEBRIS SHALL BE REMOVED FROM PROPOSED PLANTING AREAS PRIOR TO PLANTING AND BACKFILLING. CONTRACTOR SHALL REMOVE ALL WEEDS AND DEBRIS FROM SITE AS WORK PROGRESSES AND UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
  - ALL AREAS TO BE SEEDED OR SODDED SHALL RECEIVE SIX INCHES (6") OF LOAM, MEASURED AFTER INSTALLATION, PRIOR TO SEEDING.
  - ALL EXISTING LAWN AREAS DESIGNED TO REMAIN SHALL BE AERATED, FERTILIZED AND OVERSEEDED, AS DIRECTED BY THE LANDSCAPE ARCHITECT.
  - IN ADDITION TO LOCATIONS DEFINED FOR SEED ON THE PLANTING PLAN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING ANY DISTURBED AREAS.
  - A DETAILED PLANT MAINTENANCE MANUAL SHALL BE ESTABLISHED BY THE LANDSCAPE CONTRACTOR FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND PROVIDED IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL. INFORMATION THEREIN SHALL INCLUDE REQUIRED PRUNING SCHEDULE, FERTILIZING AND PROPOSED INTEGRATED PEST MANAGEMENT (IPM) AS NECESSARY. THE APPROVED MAINTENANCE SHOULD BE FOLLOWED UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
  - LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CLOSE COORDINATION WITH OWNER, GENERAL CONTRACTOR, RELATED SUBCONTRACTORS, LANDSCAPE ARCHITECT, AND ALL SITE WORK RELATED ITEMS.

**PLANTING LEGEND**

	EXISTING TREE TO REMAIN & PROTECT
	EXISTING TREES
	PROPOSED TREES
	PROPOSED SHRUB & PERENNIAL PLANTING
	PROPOSED GROUNDCOVER PLANTING
	PROPOSED LAWN AREA
	BOULDER

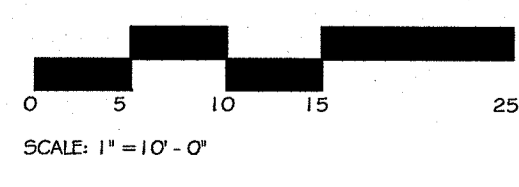
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED SEP 11, 2018 FILE # 17-093  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Christopher D. Wempeck*

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LOCUS MAP:



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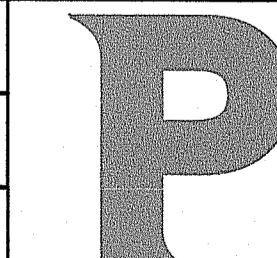
NOT FOR CONSTRUCTION

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

PREPARED BY  
MEG  
CHECKED BY  
BB/ES  
APPROVED BY  
BB



DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT #	SHEET
	12
DATE	SEPT 18, 2017
SCALE	1" = 10'-0"

12 OF 16



**GENERAL PLANTING NOTES**

- ALL NEW PLANT MATERIALS SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
- ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
- THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
- THE CONTRACTOR SHALL SEND A REPRESENTATIVE SAMPLE OF THE TOPSOIL TO A TESTING LABORATORY FOR STANDARD SOIL ANALYSIS AS DESCRIBED IN THE SPECIFICATIONS. TEST RESULTS WITH RECOMMENDED SOIL TREATMENTS TO PROMOTE PLANT AND TURF GROWTH SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT. DEFICIENCIES IN LOAM AND STOCKPILED TOPSOIL SHALL BE CORRECTED BY THE CONTRACTOR AS DIRECTED BY THE TESTING AGENCY.
- CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
- STAKE LOCATIONS OF ALL PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING. INDIVIDUAL STAKES SHALL BE PLACED FOR TREES AND SHRUBS. EDGE OF PLANTING BEDS SHALL BE PAINTED. NOTIFY LANDSCAPE ARCHITECT 24 HOURS PRIOR TO DESIRED APPROVAL.
- ALL NEW PLANTS SHALL BE SUPPLIED AND INSTALLED DURING THE PERIODS OF APRIL 1 - JUNE 15 AND/OR SEPTEMBER 1 - NOVEMBER 15.
- PREPARE ALL INDIVIDUAL TREE PITS AND SHRUB PLANTING BEDS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") WITH SPECIFIED PLANTING MIX: 50% SCREENED TOPSOIL, 40% EXISTING SOIL AND 10% COMPOST. BLEND COMPOST INTO TOP 4" OF SOIL. PLANTING MIX SHALL BE FREE OF LUMPS, STONES, PLANTS, ROOTS, AND OTHER FOREIGN MATTER.
- ALL SHRUB BEDS AND INDIVIDUAL TREE PITS SHALL RECEIVE FOUR INCHES (4") OF BARK MULCH PER SPECIFICATIONS. PERENNIAL AND GROUND COVER BEDS SHALL RECEIVE TWO INCHES (2"), PROVIDE LANDSCAPE ARCHITECT WITH SAMPLE FOR APPROVAL.
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- PRUNE TREES IN ACCORDANCE WITH THE SPECIFICATIONS.
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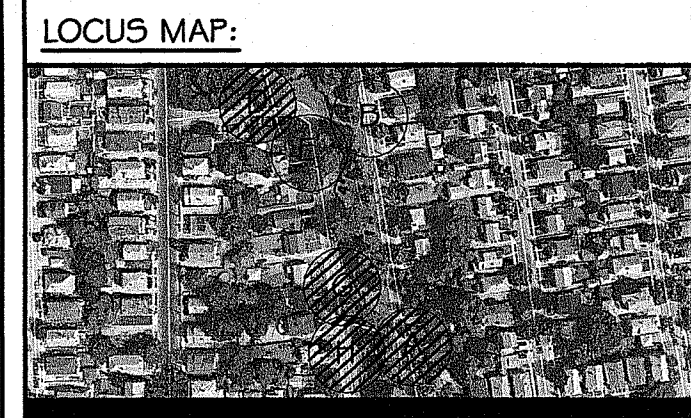
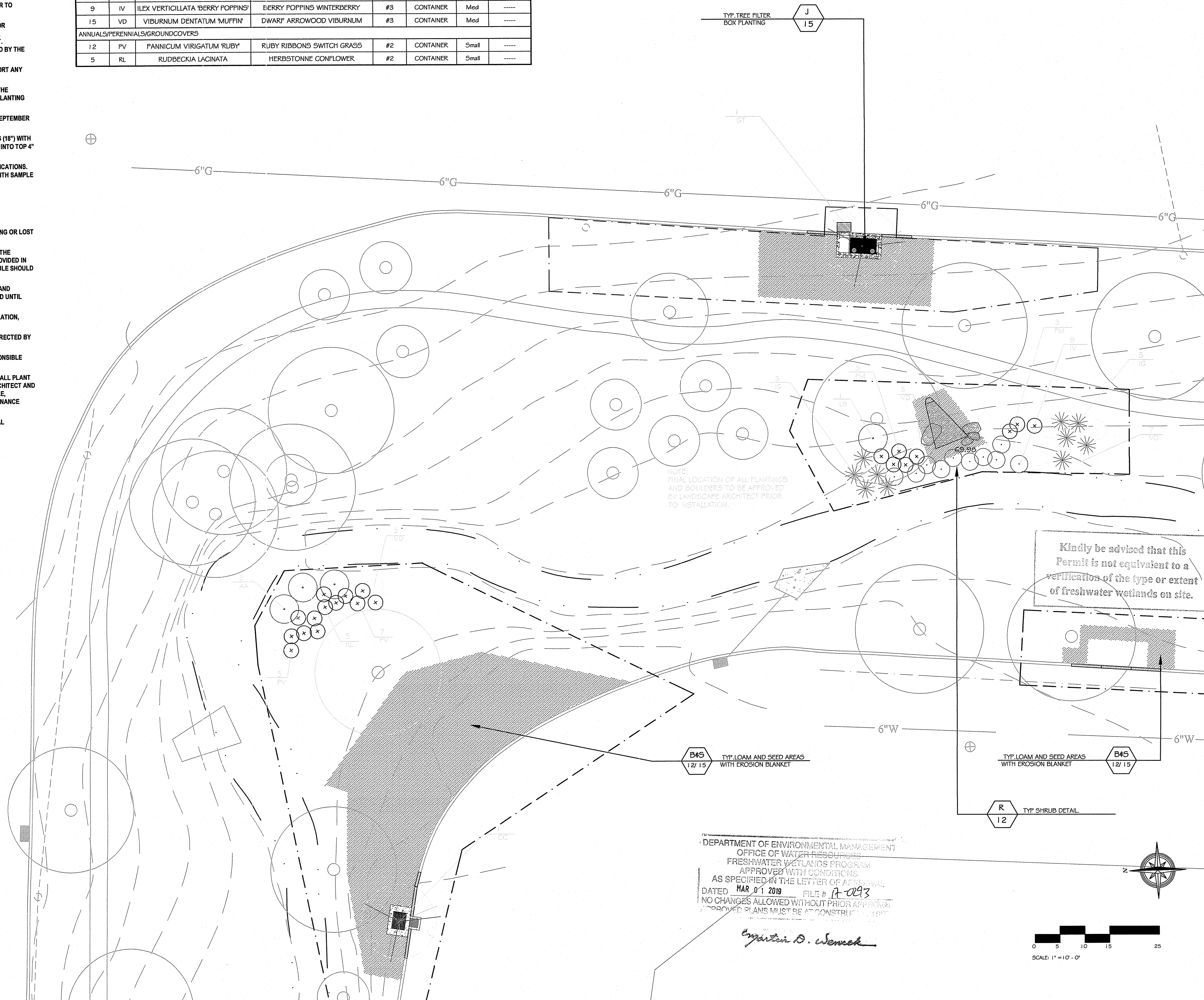
PLEASANT VALLEY PKWY - PLANT SCHEDULE- AREA B # E							
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITIONS	TREE MATURITY	CANOPY COVERAGE
<b>TREES</b>							
1	GT	GLEDITSIA TRICANTHOS 'INERMIS'	THORNLESS HONEYLOCUS	1.5'-2'	B&B	Large	
1	CC	CARPINUS CAROLINIANA	AMERICAN HORNBEEAM	1.5'-2'	B&B	Large	
<b>SHRUBS</b>							
10	IG	ILEX GLABRA 'DENSEA'	DARK INBERRY	#3	CONTAINER	Med	----
3	AA	ARONIA ARBUTIFOLIA	BRILLIANCE CHOKEBERRY	#3	CONTAINER	Med	----
8	FM	FOTHERGILLA MAJOR 'MT AIRY'	MT. AIRY FOTHERGILLA	#3	CONTAINER	Med	----
9	IV	ILEX VERTICILLATA 'BERRY POPPINS'	BERRY POPPINS WINTERBERRY	#3	CONTAINER	Med	----
15	VD	VIBURNUM DENTATUM 'MUFFIN'	DWARF ARROWOOD VIBURNUM	#3	CONTAINER	Med	----
<b>ANNUALS/PERENNIALS/GROUNDCOVERS</b>							
12	PV	PANNICUM VIRIGATUM 'RUBY'	RUBY RIBBONS SWITCH GRASS	#2	CONTAINER	Small	----
5	RL	RUDBECKIA LACINATA	HERBSTONNE CONFLOWER	#2	CONTAINER	Small	----

**PLANTING LEGEND**

	EXISTING TREE TO REMAIN & PROTECT
	EXISTING TREES
	PROPOSED TREES
	PROPOSED SHRUB & PERENNIAL PLANTING
	PROPOSED GROUND COVER PLANTING
	PROPOSED LAWN AREA
	BOULDER

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**GENERAL NOTES:**

- BASE INFORMATION OBTAINED FROM SITE PLAN DATED 8/21/80 AND COMPLETED AT 1" = 20' FOR PROVIDENCE PARKS DEPARTMENT BY PAT LOHED/LANDSCAPE ARCHITECT 182 MAIN STREET WATERTOWN, MA 02172 (617) 932-0188
- LANDSCAPE ARCHITECTURAL PLAN OBTAINED FROM PLEASANT VALLEY PARKWAY SITE IMPROVEMENTS PLAN SHEET # 114 12 OF 16 DATED AUGUST 21, 1990 AND COMPLETED AT 1" = 20' BY JUDITH NITSCH ENGINEERING, INC. 1 APPLETON STREET BOSTON, MA 02116 PHONE: (617) 338-0063 FAX: (617) 338-6472 MARK W HUTCHINS & ASSOCIATES, INC 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-3200
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NOT FOR CONSTRUCTION

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

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

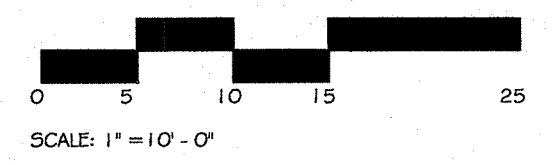
PREPARED BY MEG	P
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DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT #	SHEET
DATE SEPT 18, 2017	13
SCALE 1" = 10'-0"	13 OF 16

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 01 2019 FILE # A-0293  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Ernestine D. Wemack*





PLEASANT VALLEY PKWY - PLANT SCHEDULE- AREA A							
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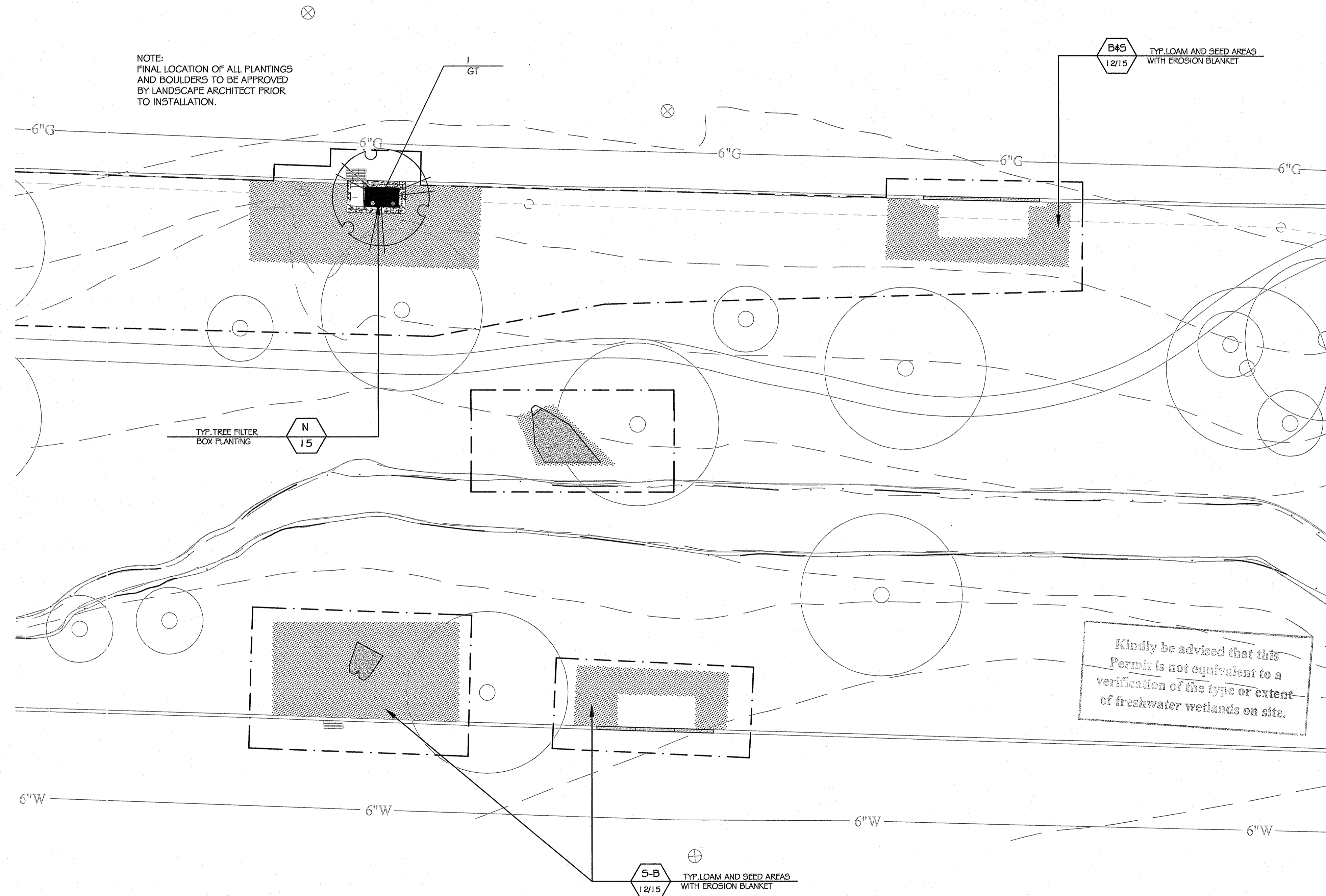
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**PLANTING LEGEND**

	EXISTING TREE TO REMAIN & PROTECT
	EXISTING TREES
	PROPOSED TREES
	PROPOSED SHRUB & PERENNIAL PLANTING
	PROPOSED GROUND COVER PLANTING
	PROPOSED LAWN AREA
	BOULDER

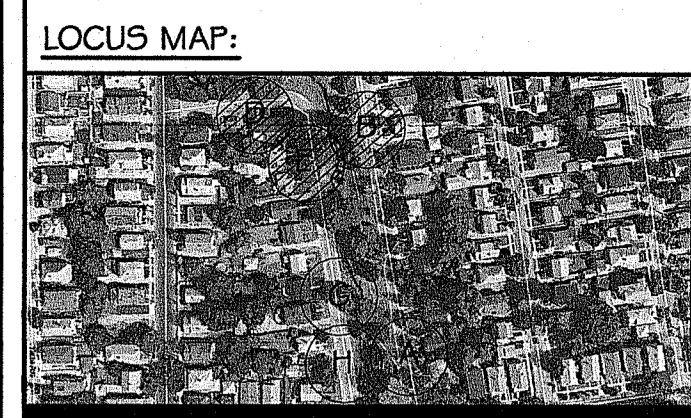
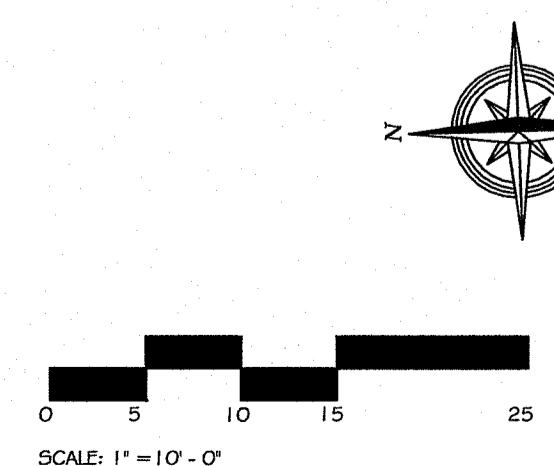
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED MAR 01 2019 FILE # 17-083  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED BY THIS MUST BE AT CONSTRUCTION SITE

*Stephen D. Wenech*



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MARK W HUTCHINS & ASSOCIATES, INC 200 METRO CENTER BLVD WARWICK, RI 02886 PHONE: (401) 738-5200
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NOT FOR CONSTRUCTION

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

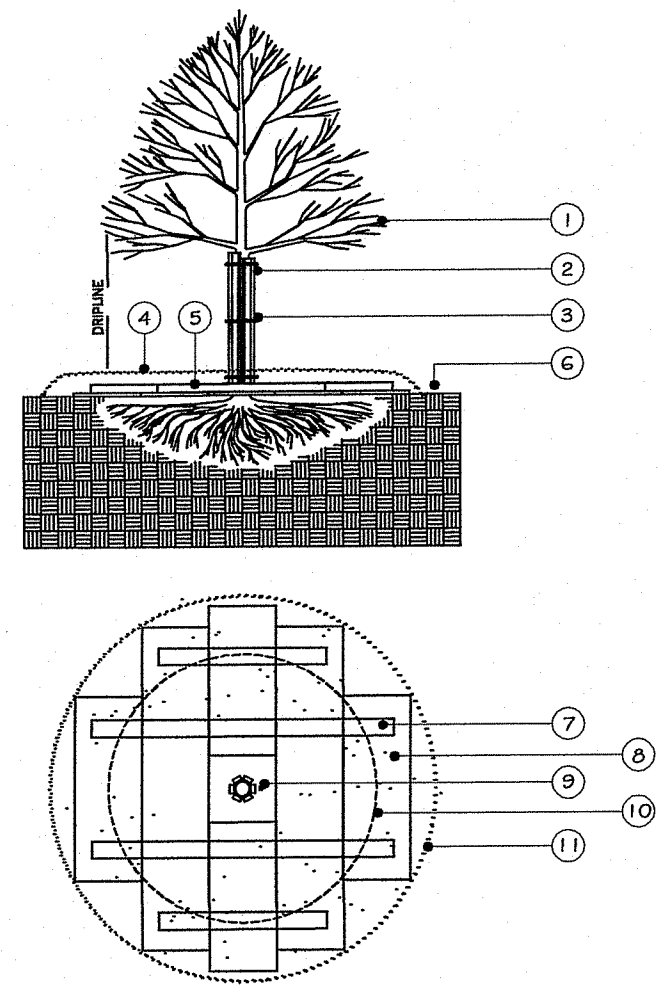
ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

PREPARED BY MEG	P
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DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

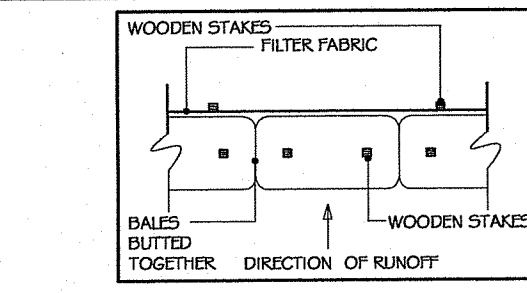
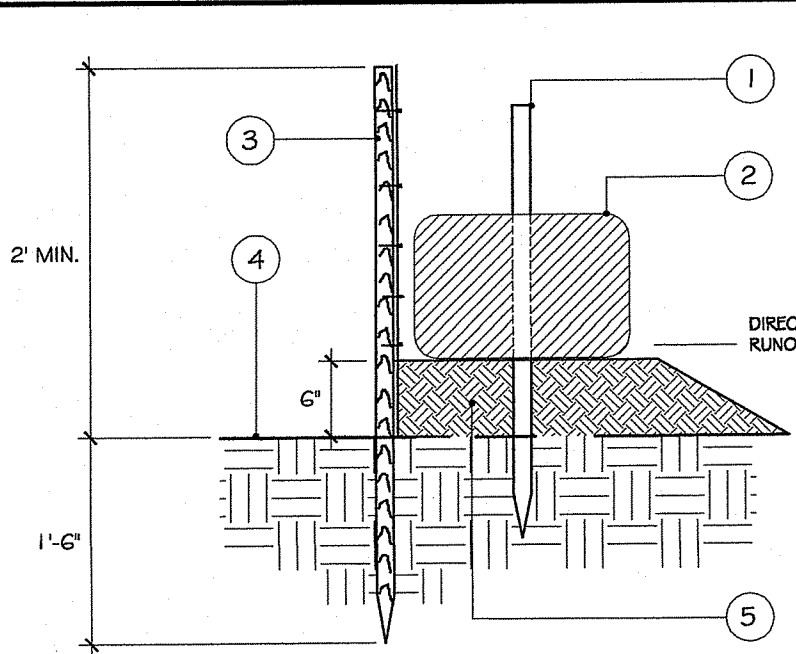
PROJECT #	SHEET
DATE SEPT 18, 2017	14
SCALE 1" = 10'-0"	14 OF 16





- NOTES:**
1. OUTLINE OF TREE CROWN EDGE OF DRIFLINED CORRESPONDS WITH ROOT SPREAD.
  2. TRUNK PROTECTION BOARDS MIN. 50mm (2") THICK. BENEATH BOARDS ARE 3-4 LAYERS OF BURLAP AROUND TRUNK.
  3. THE BOARDS SECURELY AT TOP, BOTTOM AND CENTER WITH HEAVY DUTY CORD, WIRE, OR CABLE CHECKERS.
  4. COVER FLYWOOD LAYER WITH 80 - 150mm (3"-8") OF FILL (NIC).
  5. SPREAD 20mm (3/4") THICK (USED) FLYWOOD SHEETS OR EQUAL AT TREE BASE TO ABSORB OR SPREAD ANY VEHICULAR LOADS OVER ROOT AREA WITHIN DRIFLINE ZONE. (NIC)
  6. EXISTING GRADE
  7. FASTEN FLYWOOD SHEET TOGETHER WITH 50X100S (2"x4") (NIC)
  8. FLYWOOD SHEET (NIC)
  9. TREE TRUNK WITH PROTECTIVE BOARDS
  10. DRIFLINE OF TREE
  11. 75-150 mm (3"-6") OF FILL OVER FLYWOOD TO KEEP IT IN PLACE (NIC)

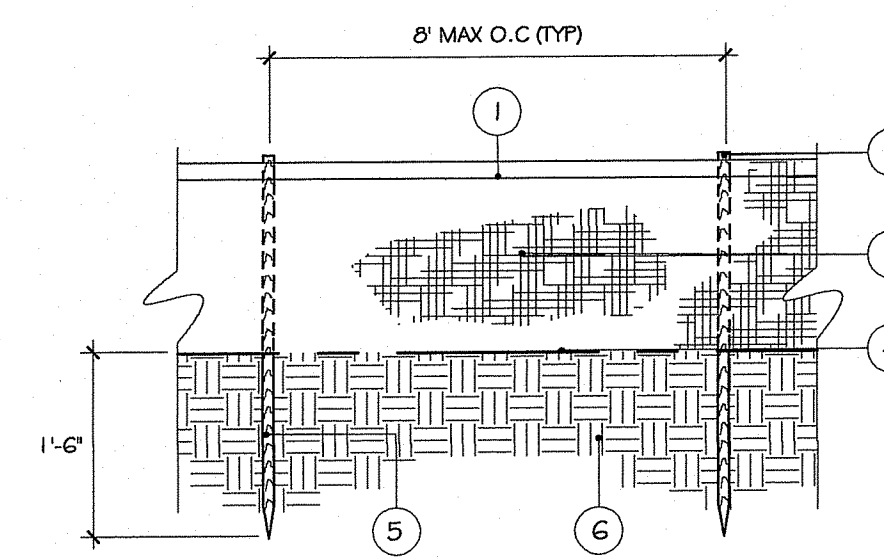
**(A) TYPICAL TREE PROTECTION NTS**



**CONSTRUCTION NOTES:**

1. TWO 2"x2"x3" WOODEN STAKES PER DALE (TYP)
2. BALED HAY OR STRAW (BALED W/ TWINE)
3. SILTATION BARRIER (SEE DETAIL J)
4. FINISHED GRADE
5. 6" DEPTH OF BACKFILL W/ EXISTING MATERIAL, BURY BOTTOM FLAP, TAMP IN PLACE

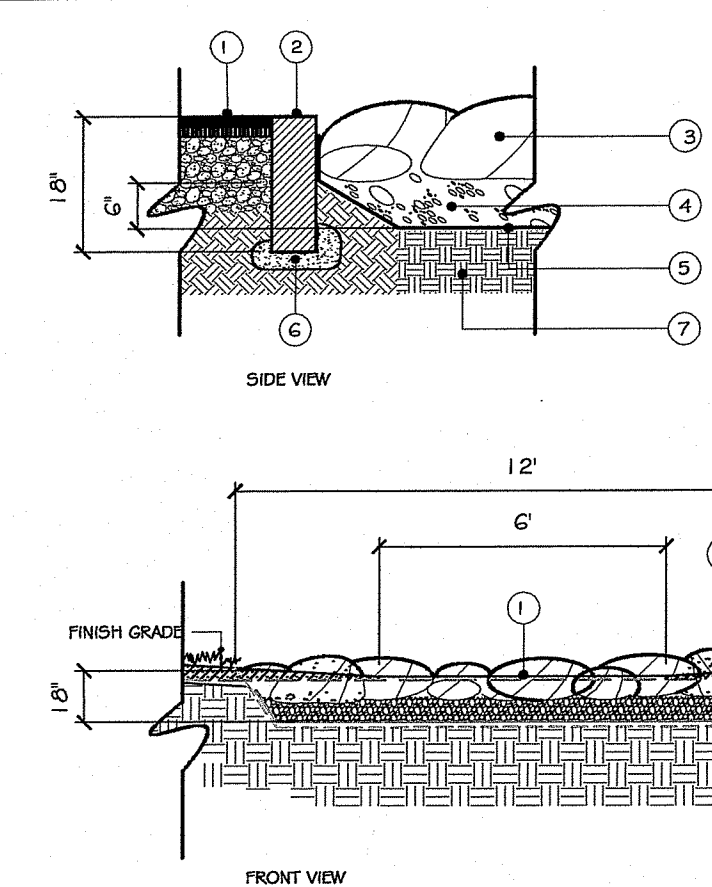
**(E) SILTATION FENCE W/ HAYBALE DETAIL NTS**



**CONSTRUCTION NOTES:**

1. DRAW STRING RUNNING THROUGH FABRIC ALONG TOP OF FENCE
2. TYP. 2"x2"x4" POST W/ METAL FASTENERS & REINFORCEMENT
3. MIRAFIT 140 FABRIC (OR EQUIVALENT)
4. FINISHED GRADE
5. BURY STAKE AT MIN. 2"
6. UNDISTURBED SUBSOIL

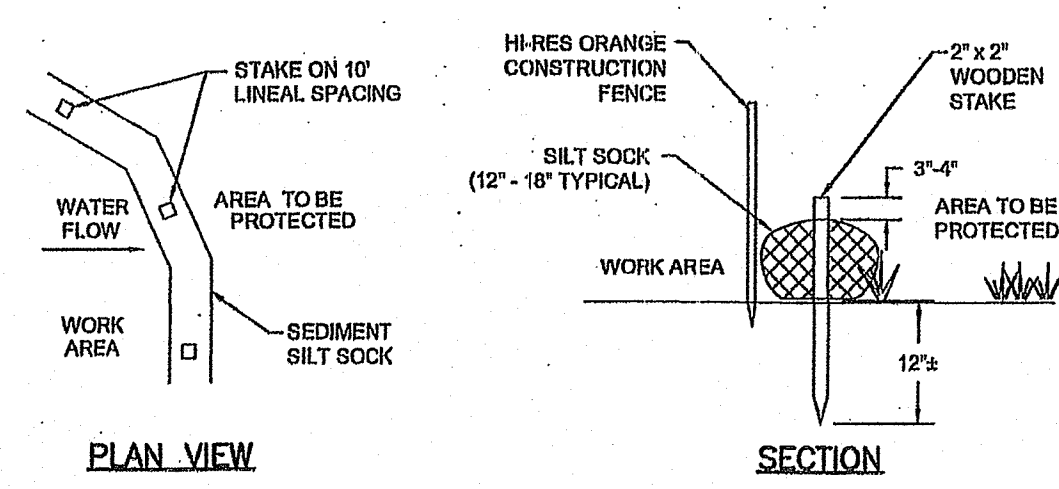
**(H) SILTATION FENCE DETAIL NTS**



**NOTES:**

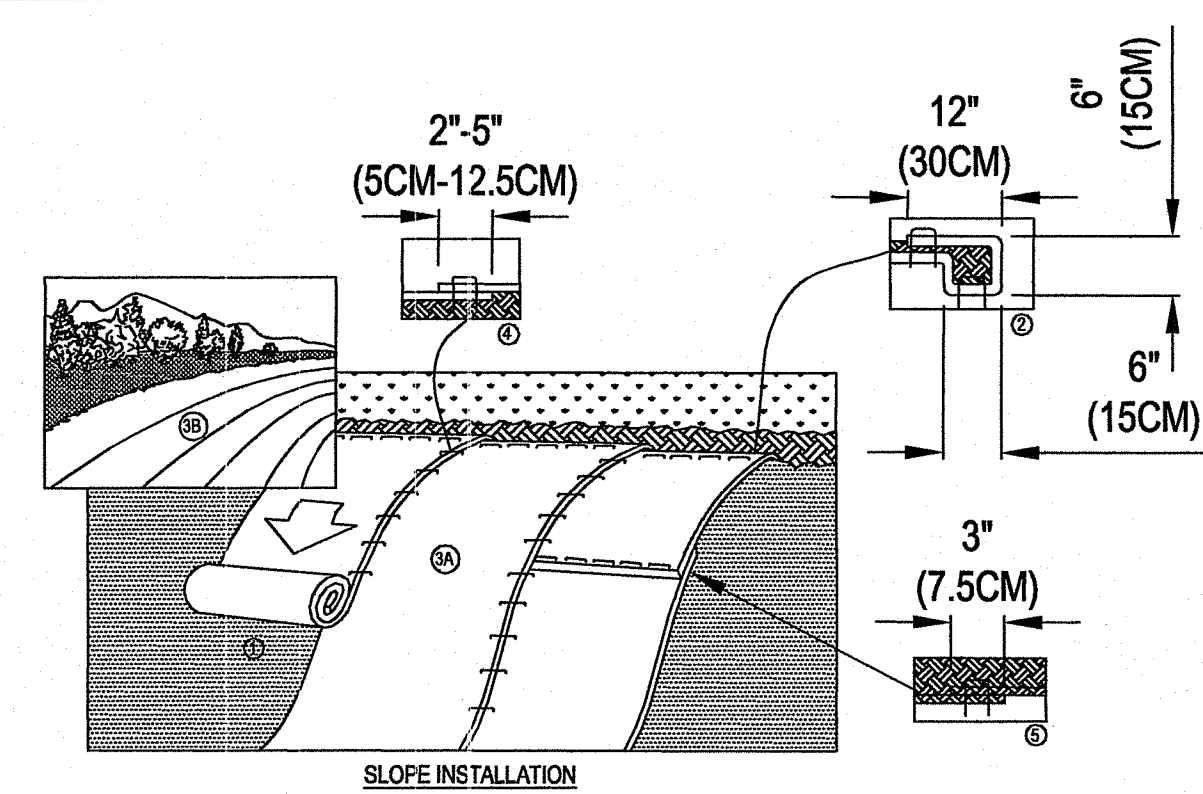
1. BITUMINOUS SURFACE (SEE DETAIL)
2. ASPHALT PAVING ON AGGREGATE BASE
3. GRANITE CURB (REUSED EXISTING SEE DETAIL FOR GRANITE TRANSITION CURB)
4. ROUND EDGE 9 TO 12 RIVERSTONE MULTI COLOR (OPTIONAL) RISE WASH STONE BEFORE PLACEMENT. RIVERSTONE SHALL MEET AT EXISTING SITE ELEVATION.
5. 3/4" CLEAN GRAVEL STONE AT 6" DEPTH. RISE WASH STONE BEFORE PLACEMENT.
6. FILTER FABRIC
7. MORTAR BASE

**(I) TYPICAL GRANITE CURB SCUPPER NTS**



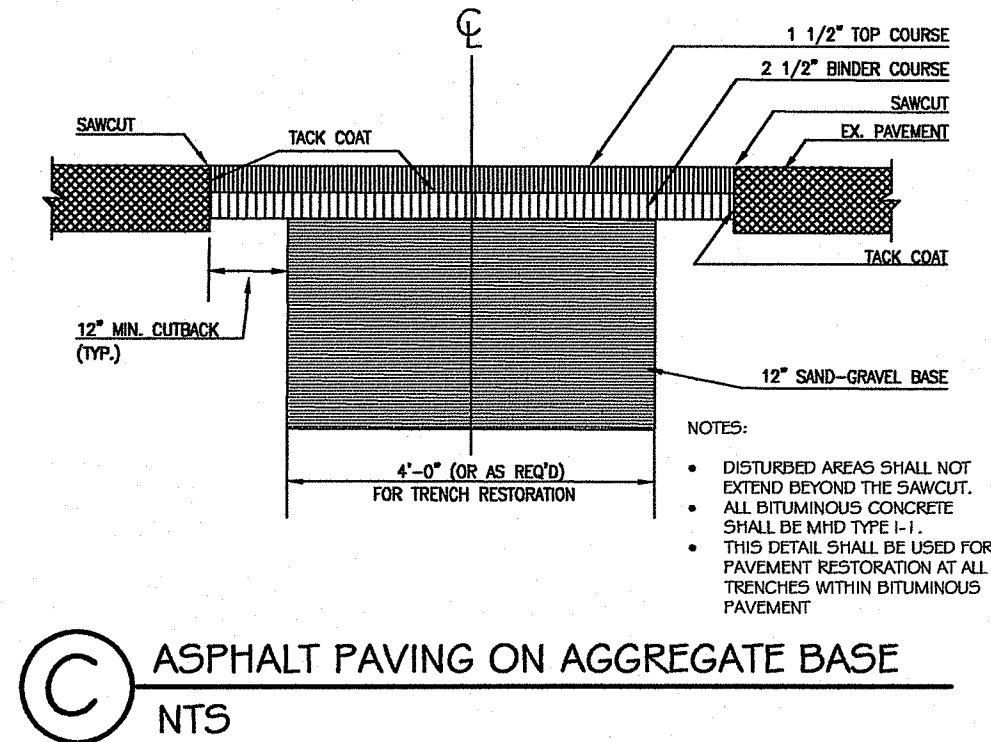
- NOTES:**
1. SILT SOCK MANUFACTURER SHALL BE SILT SOCK OR ENGINEER APPROVED EQUAL.
  2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS.
  3. SEDIMENT SILT SOCK TO BE FILLED WITH LEAF COMPOST AND/OR WOODY MULCH PER MANUFACTURER'S REQUIREMENTS.
  4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL SHALL BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE ENGINEER.

**(B) TUBULAR SEDIMENT BARRIER (SILT SOCK) DETAIL NTS**

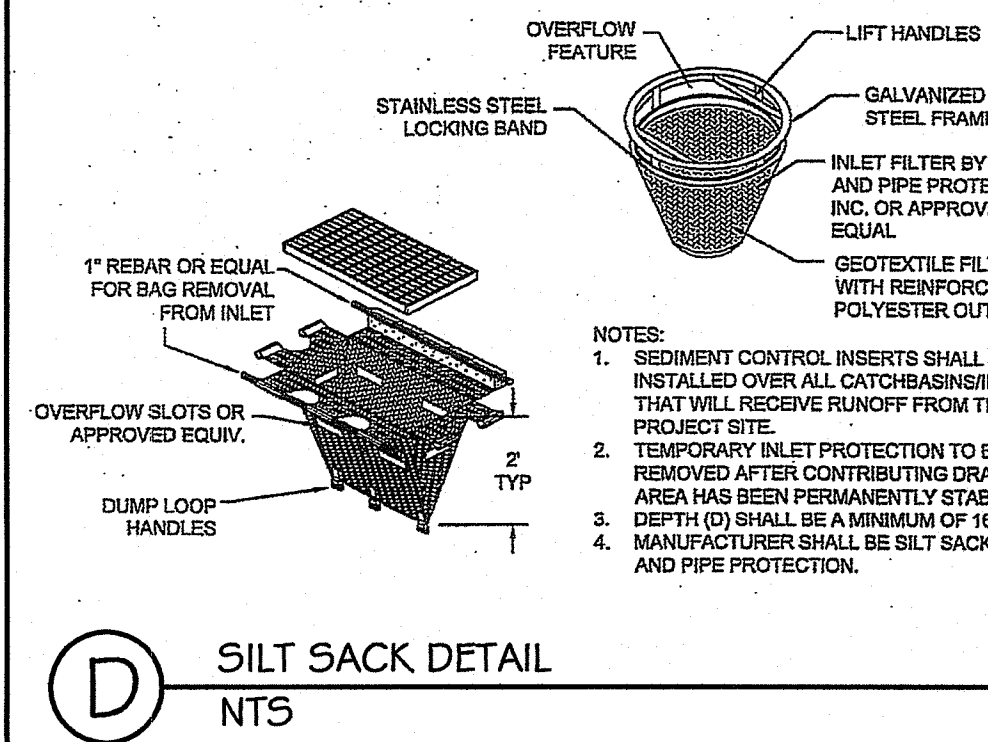


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 4" DEEP BY 12" WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES SPACED APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. USE ONE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES SPACED APPROXIMATELY 12" (30CM) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS IN DOWN OR UP HORIZONTALS ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM STAPLES STAPLES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" (5CM) OVERLAP DEPENDING ON BLANKET TYPE. TO INSURE PROPER ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SHOULD BE STAPLED TOGETHER WITH APPROXIMATELY 2" (5CM) OVERLAP. STAPLES THROUGH OVERLAPPED AREA APPROXIMATELY 12" (30CM) APART ACROSS ENTIRE BLANKET WIDTH.

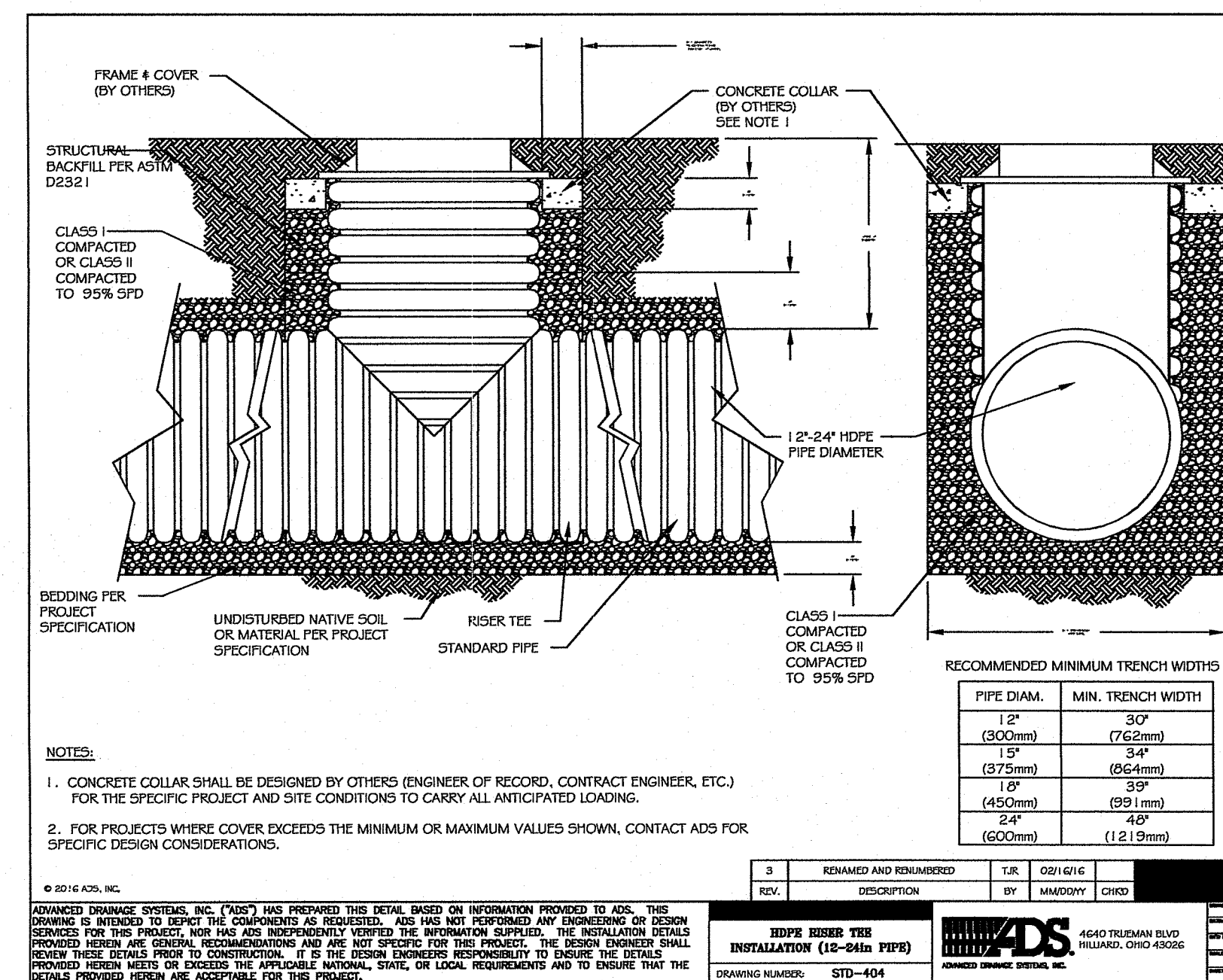
**(F) EROSION CONTROL BLANKET DETAIL NTS**



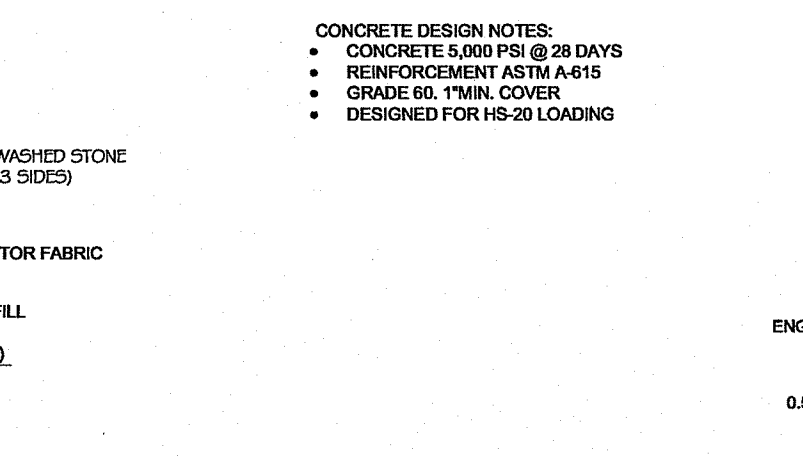
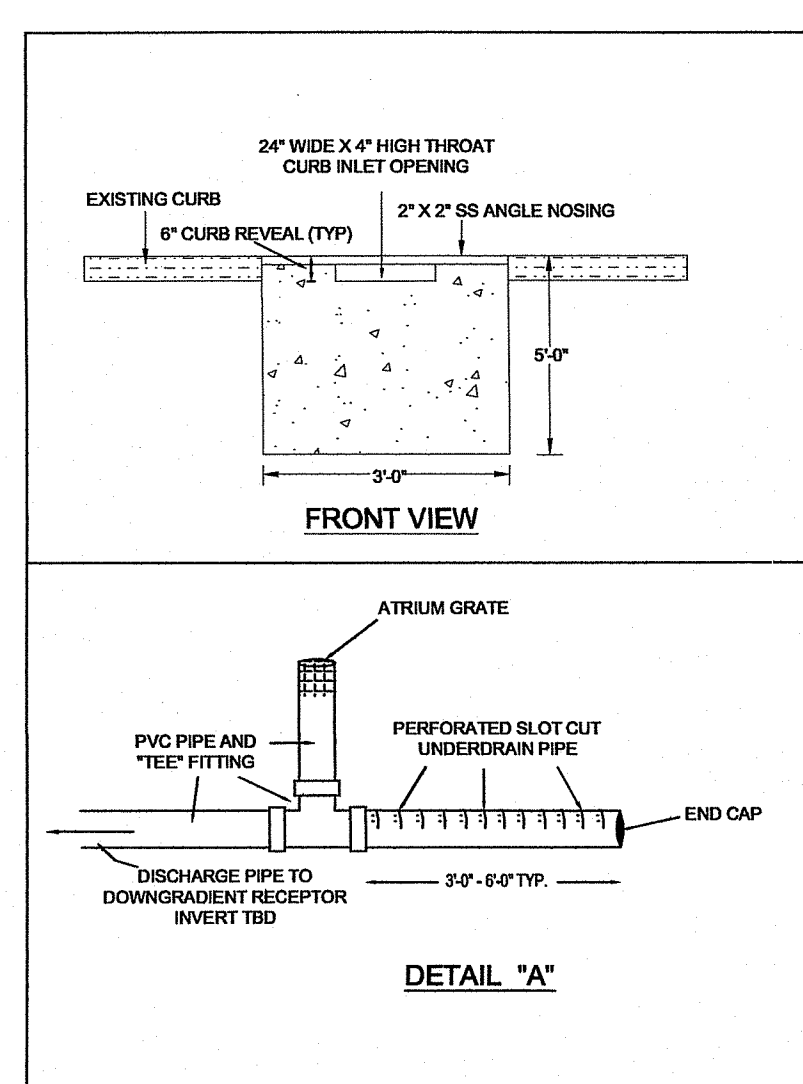
**(C) ASPHALT PAVING ON AGGREGATE BASE NTS**



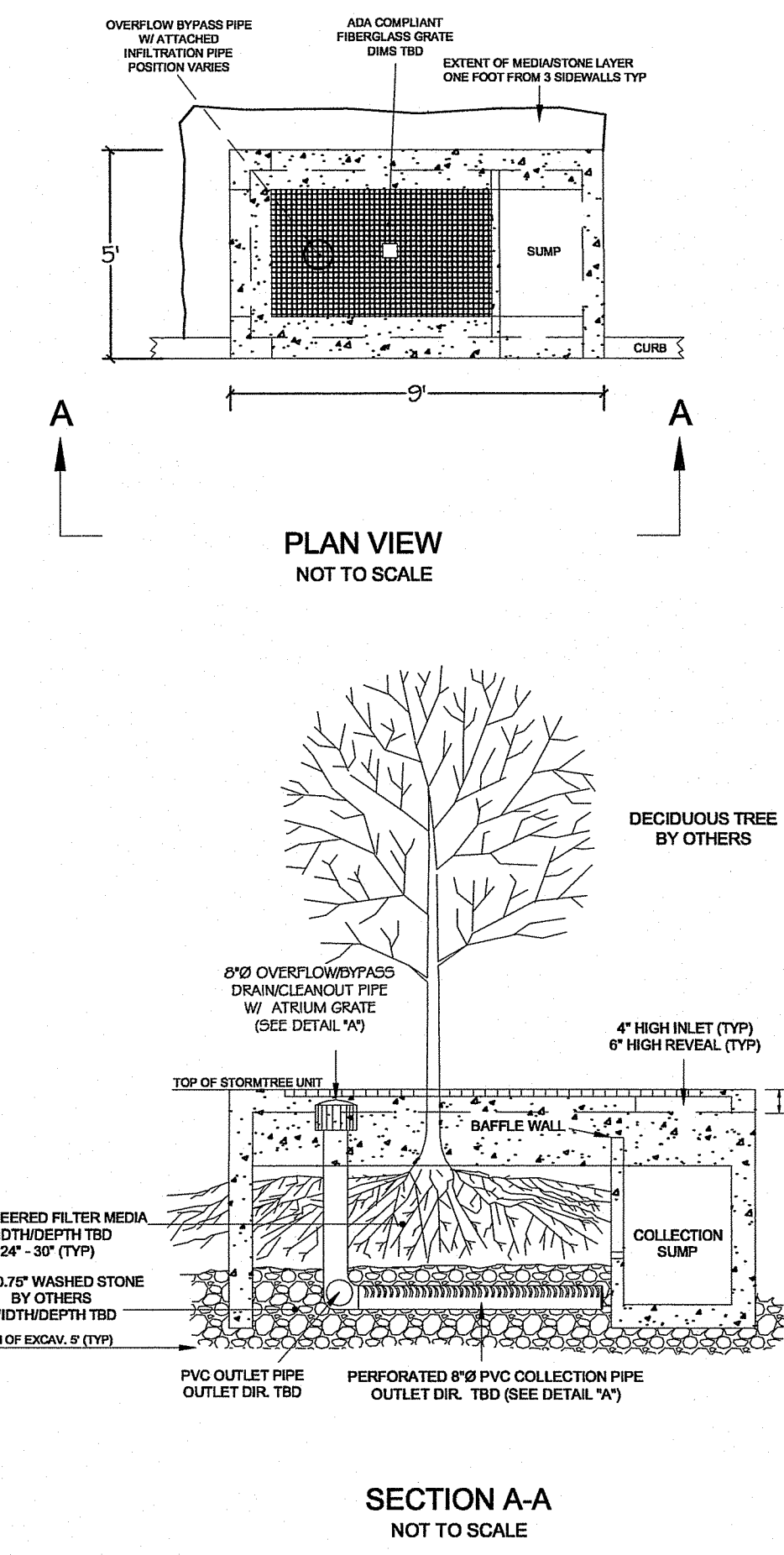
**(D) SILT SACK DETAIL NTS**



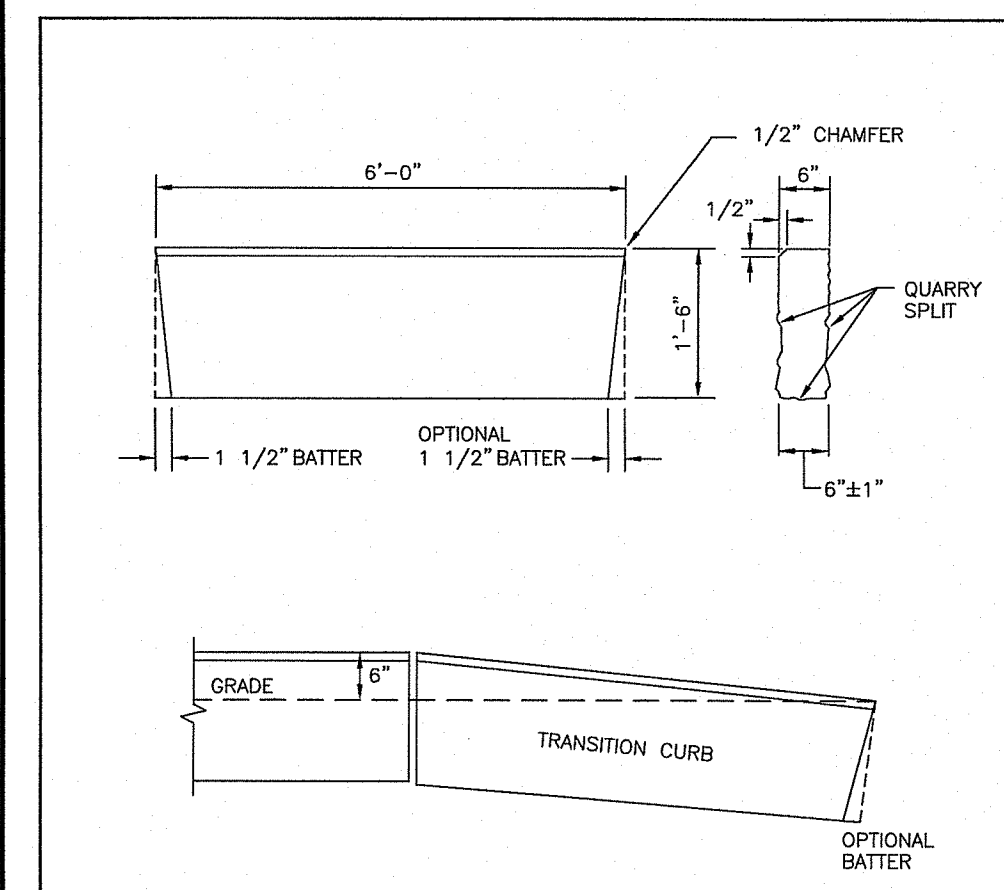
**(G) TYP HDPE RISER INSTALLATION DETAIL NTS**



**(J) TYP TREE FILTER BOX NTS**



**(I) TYPICAL GRANITE CURB SCUPPER NTS**



- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
  2. THE CONTRACTOR MAY CUT EXISTING CURB SECTIONS AS REQUIRED TO MEET THIS DETAIL AND THE R.I. STANDARD SPECIFICATIONS, WHERE OLD CURBING IS BEING REUSED.
  3. TOP SURFACE TO BE DRESSED BY SAW. REMAINDER MAY BE QUARRY SPLIT.

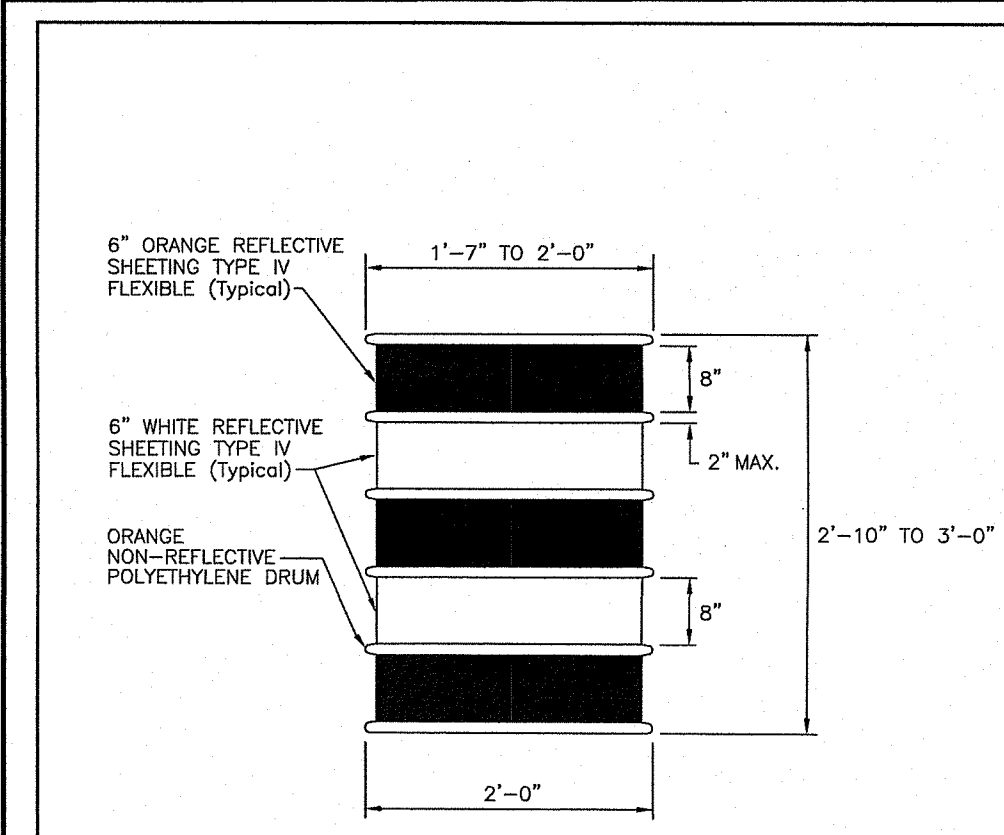
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

6'-0" GRANITE TRANSITION CURB

NO.	BY	DATE	DESCRIPTION
1	M.P.	Mar. 2005	
2	M.P.	Sept. 2012	

JUNE 15, 1998

R.I. STANDARD 7.3.2



- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 923 OF THE R.I. STANDARD SPECIFICATIONS.
  2. BASE TO BE ADAPTED FOR SANDBAG BALLAST.
  3. DRUM CAN BE CYLINDRICAL OR PARTLY CYLINDRICAL WITH A FLAT SIDE.
  4. DRUM SHALL BE MANUFACTURED FROM TOUGH, REBOUNDABLE PLASTIC, MADE OF HIGH DENSITY (HARD) POLYETHYLENE.

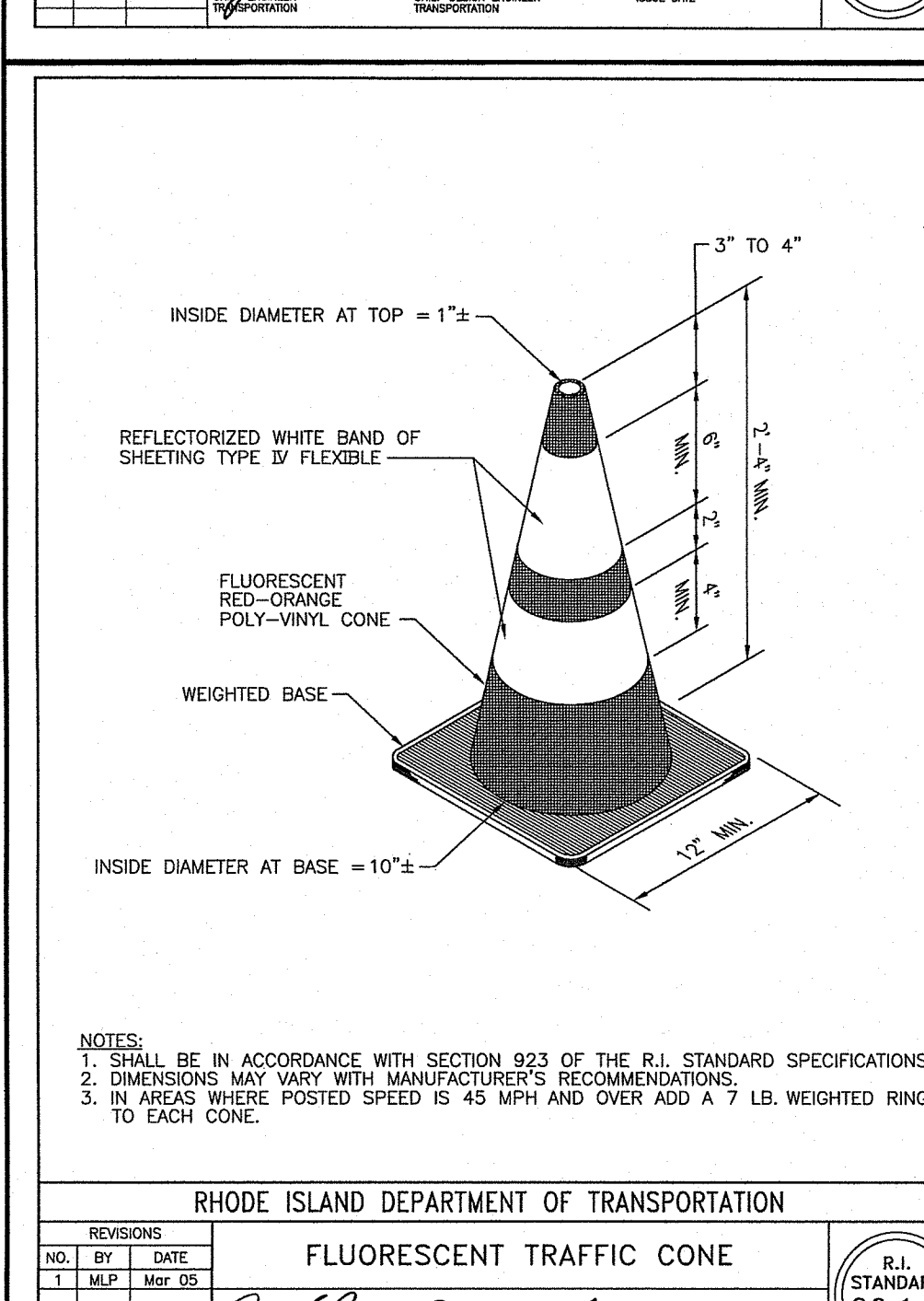
RHODE ISLAND DEPARTMENT OF TRANSPORTATION

POLYETHYLENE DRUM WITH MARKINGS

NO.	BY	DATE	DESCRIPTION
1	M.P.	Mar. 05	

JUNE 15, 1998

R.I. STANDARD 26.2.0



**(E) FLUORESCENT TRAFFIC CONE**

**LOCUS MAP:**

**GENERAL NOTES:**

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  
DATE: MAR 01 2019 FILE # 17-0293  
CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

**NOT FOR CONSTRUCTION**

**DETAIL PLANS**

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

PREPARED BY: ED  
CHECKED BY: MG/BB  
APPROVED BY:

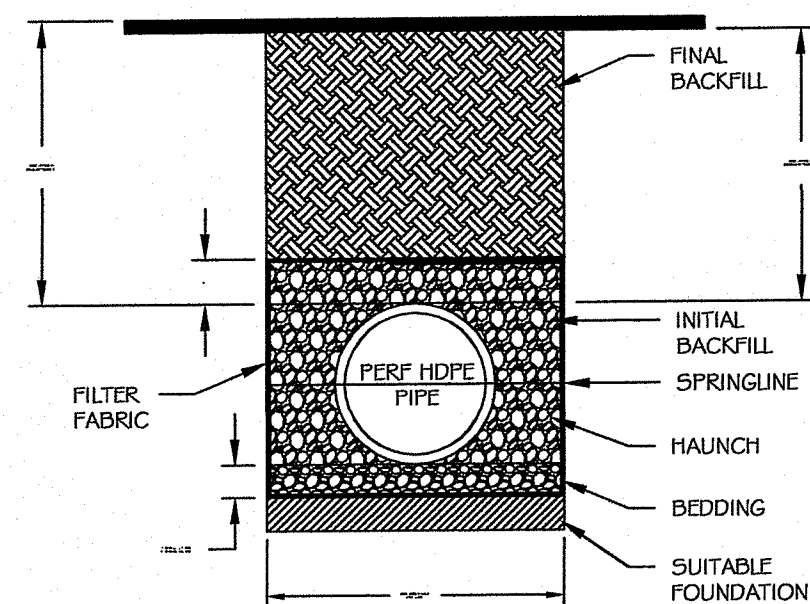
DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT # SHEET

DATE: SEPT, 18 2017  
SCALE: 15 OF 16

RHODE ISLAND DEPARTMENT OF TRANSPORTATION  
FLUORESCENT TRAFFIC CONE  
JUNE 15, 1998  
R.I. STANDARD 26.1.0





**RECOMMENDED MINIMUM TRENCH WIDTHS**

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
(100mm)	(533mm)
6"	23"
(150mm)	(584mm)
8"	26"
(200mm)	(660mm)
10"	29"
(250mm)	(711mm)
12"	30"
(300mm)	(762mm)
15"	34"
(375mm)	(864mm)
18"	35"
(450mm)	(891mm)
24"	39"
(600mm)	(1219mm)
30"	56"
(750mm)	(1422mm)
36"	64"
(900mm)	(1626mm)
42"	72"
(1050mm)	(1829mm)
48"	80"
(1200mm)	(2032mm)
60"	96"
(1500mm)	(2439mm)

**MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS**

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48"	12"	48"
(300mm - 1200mm)	(305mm)	(1219mm)
60"	24"	60"
(1500mm)	(610mm)	(1524mm)

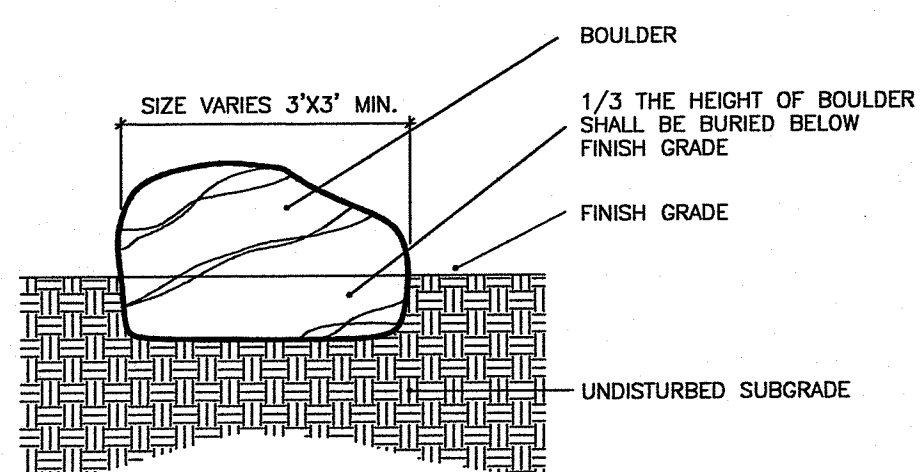
\* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

**NOTES:**

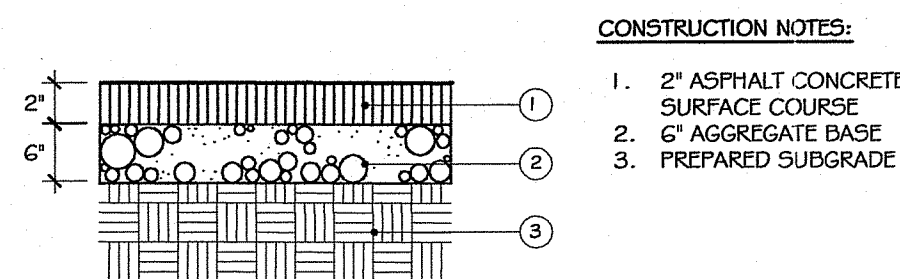
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION
2. FILTER FABRIC MEASURES SHALL BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BEDDING AND BACKFILL MATERIAL.
3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 8" (150mm) FOR 30"-60" (750mm-1500mm).
5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

REV.	REV. DRAWING NAME OR NUMBER	T.R.	01/20/16	CHKD
2	TRENCH INSTALLATION DETAIL (PERP PIPE)			

**K** TYP TRENCH INSTALLATION DETAIL  
NTS

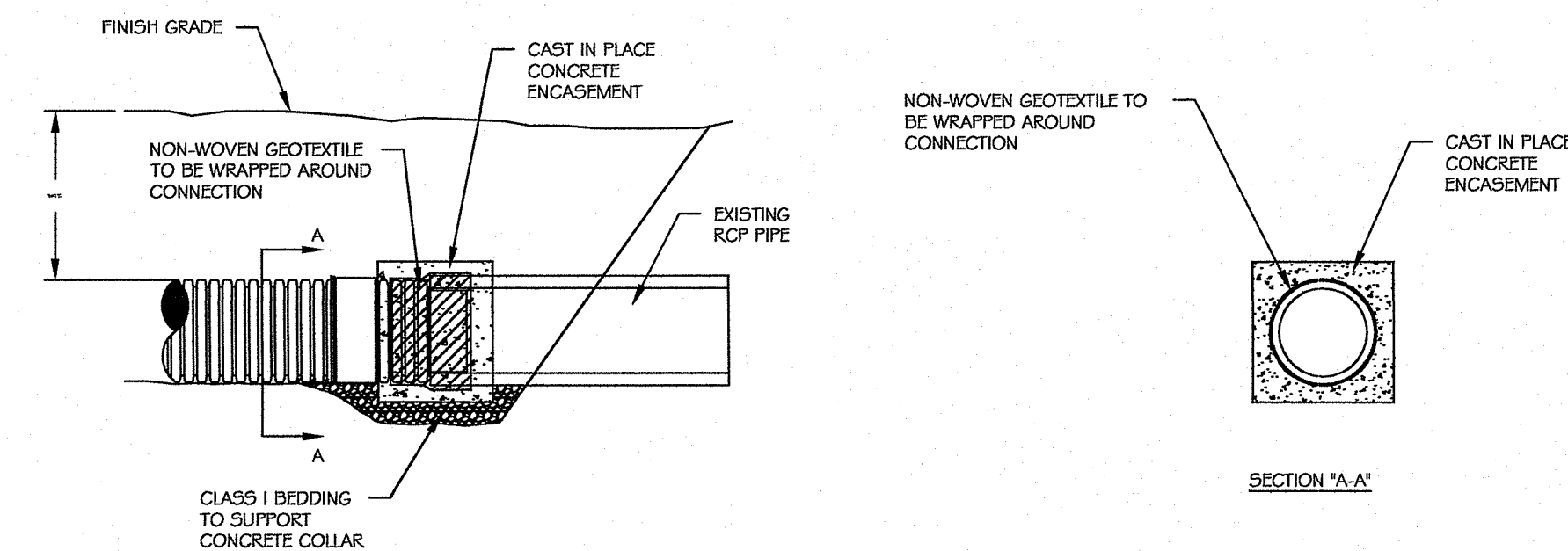


**N** TYP BOULDER DETAIL  
NTS

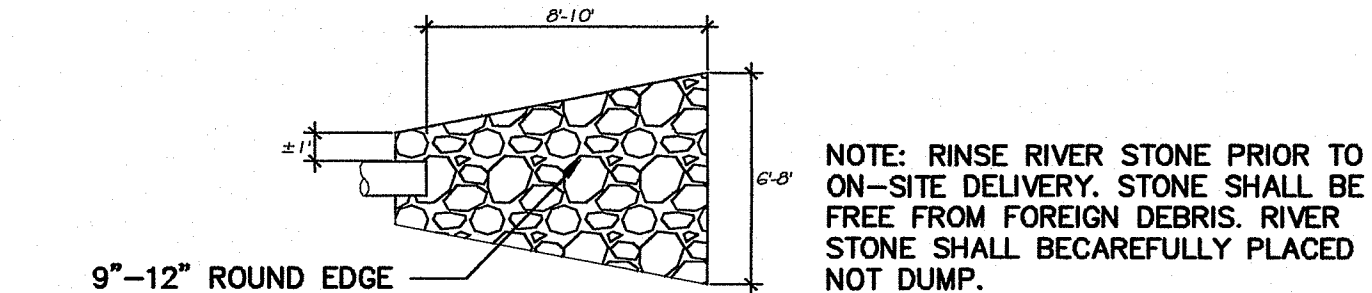


**O** TYP BITUMINOUS PATHWAY DETAIL  
NTS

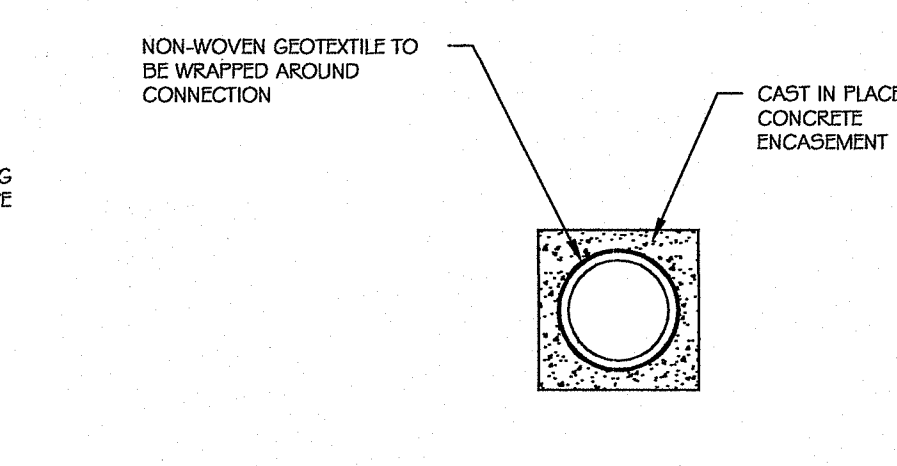
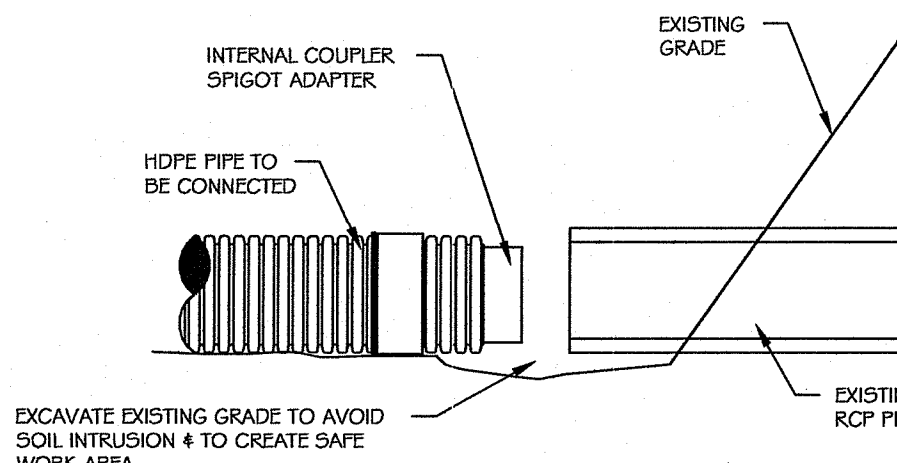
- NOTES:**
1. CONNECTION AND PIPE TO BE BACKFILLED PER ASTM D2321.
  2. IN LIEU OF AN INTERNAL CYLINDER, AN HDPE WATER TIGHT REPAIR COUPLER CAN BE USED TO CONNECT HDPE PIPE TO RCP.
  3. INTERNAL CYLINDER ADAPTER IS NOT RECOMMENDED FOR DOWNSTREAM CONNECTIONS.



**L** TYP HDPE TO RCP CONNECTION DETAIL  
NTS



**P** RIP-RAP CULVERT DETAIL  
NTS



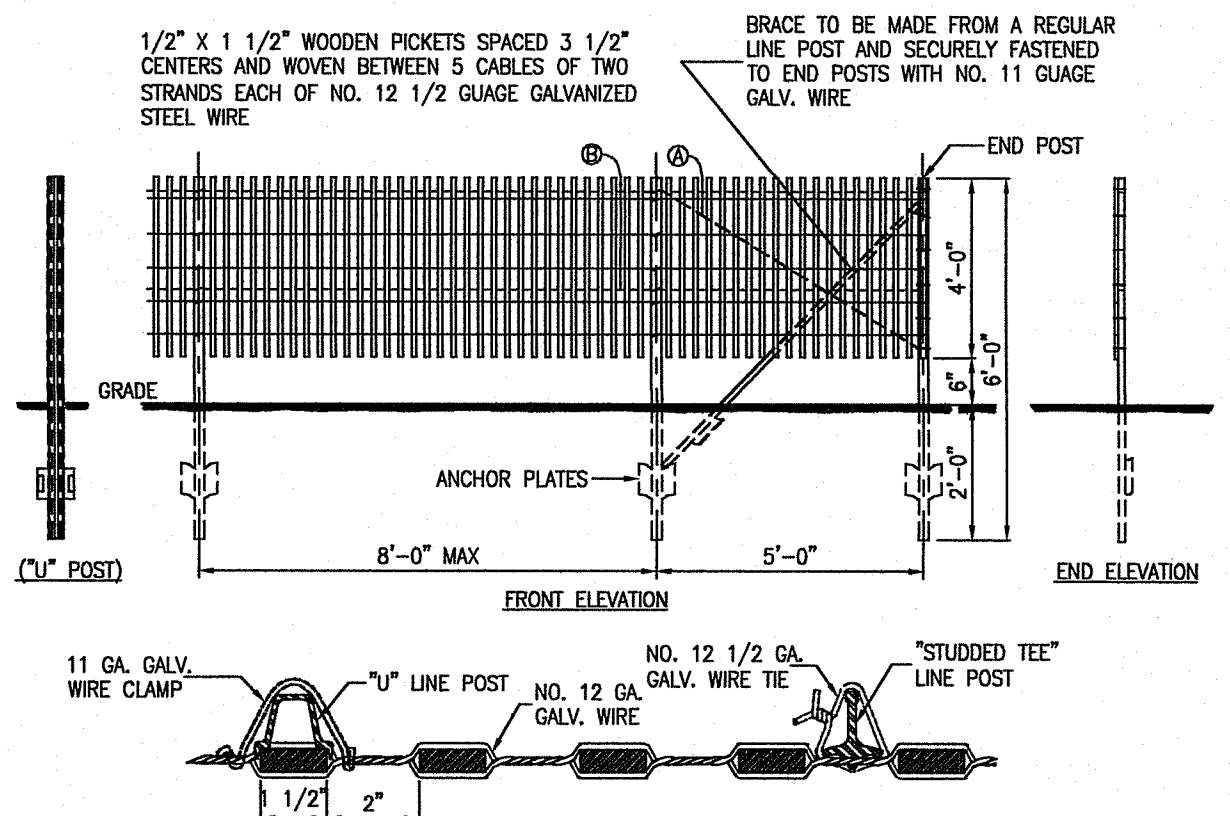
REV.	DESCRIPTION	T.R.	02/18/16	CHKD
2	FORMATTING, UPDATED AND RENAMED			

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

REV.	DESCRIPTION	T.R.	02/18/16	CHKD
2	HDPE TO RCP CONNECTION (GEOTEXTILE WRAP)			

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

FENCE TO BE SECURELY BRACED AT EACH END PANEL WITH A REGULAR LINE POST AND 1 DIAGONAL CABLE CONSISTING OF 2 STRANDS OF TWISTED WIRE. EACH STRAND TO CONSIST OF TWO 1/2 GAUGE GALVANIZED WIRES. TWO HORIZONTAL WIRES SHALL BE STRUNG BEHIND THE PICKETS FOR THE FULL LENGTH OF THE FENCE. EACH HORIZONTAL WIRE IS TO BE FASTENED SECURELY TO EACH FENCE POST BY MEANS OF 11 GAUGE WIRE CLAMPS R NO 12 1/2 GAUGE WIRE TIES.



**NOTES:**

1. THIS DRAWING IS FOR INFORMATION PURPOSES ONLY AND NOT FOR CONSTRUCTION.
2. DO NOT SCALE DRAWINGS.
3. WIRE-BOUND PICKET FENCE, CONFORMING TO ASTM F 537, IS TO BE STRETCHED TIGHT AND SECURELY FASTENED TO ALL POSTS WITH 11 GA. GALVANIZED STEEL WIRE CLAMPS OR 12 GA. GALVANIZED WIRE TIES.
4. ALL FENCE POSTS, COMPLETE WITH ANCHOR PLATE, SHALL BE HOT-DIPPED GALVANIZED, ALL CONFORMING TO REQUIREMENTS OF AASHTO M 281. LINE POSTS (WITHOUT ANCHOR) SHALL WEIGH NOT LESS THAN 1.33 LBS PER LINEAR FT (RAW). SUITABLE ANCHOR PLATES SHALL BE SECURELY FASTENED TO EACH LINE POST AND SHALL WEIGH 0.67 LB NOMINAL.
5. SNOW FENCE IS TO BE PLACED IMMEDIATELY IN FRONT OF THE RIGHT-OF-WAY FENCE WHEN SUCH LOCATION IS SUITABLE. THIS WILL AVOID TRAPPING OF WEEDS AND DEBRIS BETWEEN THE FENCES. IN SUCH INSTALLATIONS, THE SNOW FENCE IS NOT TO BE TIED OR FASTENED TO THE RIGHT-OF-WAY FENCE.
6. IN GENERAL, SNOW FENCE IS TO BE PLACED 100 TO 150 FEET FROM CENTER LINE OF ROADWAY. HOWEVER, SPECIFIC LOCATION ON EACH PROJECT IS TO BE AS STAKED BY THE ENGINEER.
7. OTHER SECTIONS OF STEEL POSTS HAVING EQUAL WEIGHT AND EQUIVALENT STRENGTH MAY BE USED IN LIEU OF SHOWN POSTS.
8. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdata.com/info](http://www.CADdata.com/info) REFERENCE NUMBER 000-184.

**M** TYP PICKET SNOW FENCE  
NTS

**LOCUS MAP:**

**GENERAL NOTES:**

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 MAR 01 2016 FILE # 17-293  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Christopher D. Wenzel*  
**NOT FOR CONSTRUCTION**

**DETAIL PLANS**

NO.	REVISION/ISSUE	DATE
	REVISED	2/11/19

**PLEASANT VALLEY PKWY STORM WATER PROJECT**

ELMHURST NEIGHBORHOOD  
PLEASANT VALLEY PARKWAY  
PROVIDENCE, RI

PREPARED BY	ES
CHECKED BY	MG/BB
APPROVED BY	

**P**

DEPARTMENT OF PARKS & RECREATION  
DALRYMPLE BOATHOUSE  
ROGER WILLIAMS PARK  
PROVIDENCE, RI 02905

PROJECT #	SHEET
	16
DATE	SEPT. 18 2017
SCALE	16 OF 16