

# Proposed Site Improvements for Donigian Park Valley Street Providence, RI December 2018



HONORABLE  
JORGE O. ELORZA,  
MAYOR

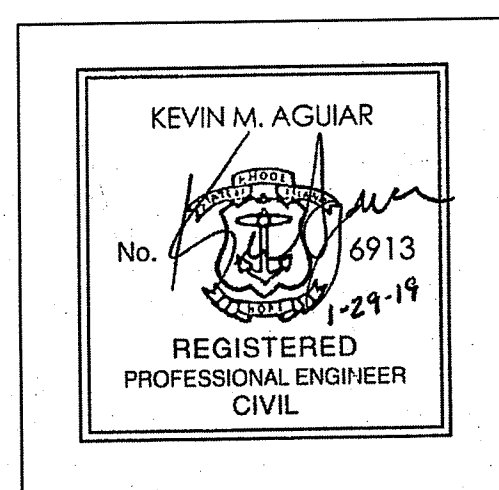
SABINA MATOS,  
WARD 15 COUNCILWOMAN

WENDY NILSSON,  
SUPERINTENDENT OF PARKS

CLIENT: PROVIDENCE PARKS +  
RECREATION DEPARTMENT  
ROGER WILLIAMS PARK  
DALRYMPLE BOATHOUSE  
1000 ELMWOOD AVE.  
PROVIDENCE, RI 02905

CIVIL CONSULTANT: BETA GROUP, INC.  
6 BLACKSTONE VALLEY PLACE  
LINCOLN, RI 02865

SURVEYOR: AEROTECH INTERNATIONAL  
365 SMITH STREET  
PROVIDENCE, RI 02908



AERIAL PHOTO COURTESY OF GOOGLE EARTH  
PHOTO DATE FEBRUARY 2018

## LIST OF DRAWINGS

DP-L100	.....	COVER SHEET
DP-L101	.....	GENERAL NOTES
DP-L102	.....	LEGEND & ABBREVIATIONS
DP-L103	.....	EXISTING CONDITIONS PLAN
DP-L201	.....	SITE PREPARATION PLAN (1 OF 2)
DP-L202	.....	SITE PREPARATION PLAN (2 OF 2)
DP-L301	.....	LAYOUT & GRADING PLAN (1 OF 2)
DP-L302	.....	LAYOUT & GRADING PLAN (2 OF 2)
DP-L303	.....	ENLARGEMENT PLAN NO. 1
DP-L401	.....	SITE IRRIGATION PLAN
DP-L402	.....	SITE IRRIGATION DETAILS
DP-A101	.....	BUILDING
DE-L505	.....	SITE DETAILS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED APR 19 2019 FILE # 19-0076  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Herbert*

AERIAL PHOTO  
NOT TO SCALE



**FOR REVIEW ONLY**

**GENERAL NOTES**

- ALL SURFACE AND NEAR SURFACE WORK SHALL CONFORM TO THE RHODE ISLAND STATE BUILDING CODE AND TO THE CONTRACT DOCUMENTS. IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
- CONTRACTOR SHALL REFER TO AND COORDINATE THE PROJECT REQUIREMENTS AS INDICATED ON THE GENERAL, CIVIL, AND STANDARD DETAIL DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL STRUCTURES AND PIPING AGAINST FLOODING, FLOTATION AND OTHER DAMAGE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT DAMAGE TO ADJACENT AND NEARBY STRUCTURES DURING CONSTRUCTION. ALL DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE PROGRAM MANAGER.
- PRIOR TO CLOSING ANY ROADWAY (PARTIALLY OR COMPLETELY), THE CITY OF PROVIDENCE, RIDOT, STATE POLICE, MUNICIPAL POLICE AND LOCAL FIRE OFFICIALS SHALL BE NOTIFIED BY THE CONTRACTOR. PUBLIC NOTIFICATIONS AND HEARINGS MAY BE REQUIRED. EACH PROPOSED CLOSING SHALL BE REQUESTED AT LEAST 4 WEEKS PRIOR TO CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY.
- PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CALL "DIG SAFE" AT 1(888)-DIG-SAFE, AT LEAST 72 HOURS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) TO OBTAIN FIELD-MARKED UTILITY LOCATIONS.
- CONTRACTOR IS APPRISED THAT SOME ENTITIES WITH UTILITY INFRASTRUCTURE WITHIN OR NEAR THE PROJECT AREA MAY NOT PARTICIPATE IN THE DIG-SAFE PROGRAM, AND MUST BE CONTACTED DIRECTLY TO HAVE THEIR UTILITIES FIELD-MARKED.
- CONTRACTOR IS APPRISED THAT UTILITY PROVIDERS MAY NOT MARK ALL SUBSURFACE UTILITIES WITHIN THE PROJECT AREA, PARTICULARLY SERVICE CONNECTIONS AND/OR ABANDONED UTILITIES.
- SEWER, WATER AND OTHER UTILITIES HAVE BEEN SHOWN ON THE SITE PLANS WHERE INFORMATION IS AVAILABLE. ALL ACTIVE SERVICE CONNECTIONS MUST BE MAINTAINED DURING CONSTRUCTION.
- PIPING EXPOSED DURING EXCAVATION THAT IS NOT TO BE RELOCATED, ABANDONED, OR DEMOLISHED SHALL BE SUPPORTED IN-PLACE, BRACED, OR OTHERWISE PROTECTED DURING CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL FIELD VERIFY EXISTING STRUCTURE ELEVATIONS AND LOCATIONS, AND EXISTING PIPE INVERT ELEVATIONS AND LOCATIONS PRIOR TO SUBMITTING SHOP DRAWINGS FOR CONNECTING STRUCTURES.
- THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE THE SPECIFICATIONS FOR THIS CONTRACT. SEE SPECIFICATIONS FOR OTHER REQUIREMENTS IN ADDITION TO THE GENERAL NOTES.
- OTHER CONSTRUCTION UPON THIS SITE BY OTHER CONTRACTORS MAY OCCUR DURING THE COURSE OF THIS CONTRACT. THE CONTRACTOR SHALL AT ALL TIMES COORDINATE HIS OPERATIONS WITH THOSE OF THE OTHER CONTRACTORS.
- THE CONTRACTOR SHALL CONFINE ALL ACTIVITIES FOR CONSTRUCTION PURPOSES WITHIN THE INDICATED LIMITS OF WORK AS SHOWN IN THE CONTRACT DRAWINGS. ALL SURFACES DAMAGED OUTSIDE THE INDICATED LIMITS SHALL BE REPLACED IN KIND AT CONTRACTOR'S EXPENSE.
- DUST CONTROL, USING CALCIUM CHLORIDE, SHALL BE PROVIDED FOR ALL SURFACES OF BACK FILLED AREAS, ALL EQUIPMENT ACCESS ROADWAYS AND/OR AS OTHERWISE DIRECTED BY THE OWNER/ENGINEER.
- ALL REDEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE APPROVED REMEDIAL ACTION WORK PLAN DATED JULY 2014.

**MAPPING**

- DEPICTED BASE MAPPING AND TOPOGRAPHY HAVE BEEN COMPILED FROM VARIOUS SOURCES. LIMITED TOPOGRAPHICAL SURVEY PROVIDED BY DIPRETE ENGINEERING DATED OCTOBER 2016; THE OWNER DOES NOT WARRANT THE ACCURACY OR CURRENCY OF THE DEPICTED INFORMATION.
- THE LOCATION, SIZE, AND MATERIAL OF EXISTING PIPES, DUCTS, CONDUITS AND OTHER UNDERGROUND STRUCTURES AND/OR UTILITIES SHOWN ON THESE PLANS ARE FROM THE BEST SOURCES AVAILABLE AT PRESENT AND ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES, UTILITIES OR STRUCTURES ARE SHOWN. EXACT LOCATION TO BE DETERMINED BY CONTRACTOR IN FIELD.
- EXISTING UTILITIES HAVE BEEN PLOTTED FROM THE BEST AVAILABLE DATA AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND NOTIFY ALL UTILITY COMPANIES (PUBLIC AND PRIVATE).
- PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY.

**TEST PITS**

- TEST PIT DATA FOR BOTH SITES IS UNAVAILABLE.

**EXISTING UTILITIES**

- EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE PROTECTED AND SUPPORTED AT ALL TIMES BY THE CONTRACTOR. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO INTERFERE AS LITTLE AS POSSIBLE WITH EXISTING UTILITIES. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION BY REASON OF DELAY AND/OR INCONVENIENCE IN ADAPTING HIS OPERATIONS ACCORDINGLY.
- WHERE AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR THE RESOLUTION OF THE CONFLICT.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION, RELOCATION AND ADJUSTMENT OF WATER, GAS, ELECTRIC, TELEPHONE, CABLE TV, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES AS REQUIRED.

**REMOVAL AND DISPOSAL**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) ALL MATERIALS INDICATED ON THE PLANS TO BE DISPOSED, INCLUDING BUT NOT LIMITED TO, MANHOLES, CATCH BASINS, PIPING, CONCRETE AND BITUMINOUS PAVEMENT, COBBLES, ROCK, TREES AND STUMPS, ETC. ALL GRIT AND DEBRIS FROM THE EXISTING STRUCTURES TO BE DEMOLISHED SHALL BE REMOVED AND DISPOSED OF AS INDICATED IN THE SPECIFICATIONS. ALL DEMOLITION MATERIAL INCLUDING CONCRETE, PIPE, AND BRICK THAT WAS IN CONTACT WITH SEWAGE SHALL BE DISPOSED OF IN ACCORDANCE WITH RIDEM REQUIREMENTS.
- NOTIFY APPROPRIATE UTILITY COMPANIES TO TURN OFF AFFECTED SERVICES PRIOR TO REMOVAL AND DISPOSAL. SEAL WATER, SEWER, DRAINAGE AND GAS UTILITIES AND SERVICES AT EXCAVATION LIMITS OR AS REQUIRED, USING PLUGS, CAPS OR SEALS AS NEEDED.
- UNDERGROUND PIPING TO BE ABANDONED AND REMAIN SHALL BE PROPERLY CAPPED UNLESS IT INTERFERES WITH NEW STRUCTURES, PIPES OR AS INDICATED, SPECIFIED AND DIRECTED BY ENGINEER.
- REMOVE AND DISPOSE OF ALL EXISTING BITUMINOUS CONCRETE AND CEMENT CONCRETE, AS REQUIRED.

**SEWER AND DRAIN**

- THE TERM "PROPOSED" (PROP) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS OR WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE AND RESET" (R&R).
- WHERE EXISTING MATERIALS ARE ENCOUNTERED THAT, IN THE OPINION OF THE OWNER/ENGINEER ARE UNSUITABLE FOR BEDDING, BACK FILLING OR OTHER INTENDED USE, SUCH MATERIALS SHALL BE REMOVED AS DIRECTED AND REPLACED WITH SUITABLE GRAVEL BORROW, CRUSHED STONE AND/OR SELECTED BORROW, AS DIRECTED BY THE OWNER/ENGINEER AND PAID FOR UNDER THE APPROPRIATE BID ITEMS.
- INVERTS AND DIRECTIONS OF PIPES AND CONDUITS ARE SHOWN FOR THE PURPOSE OF INDICATING THE BASIC PARAMETERS USED DURING THE DESIGN. HOWEVER, MINOR CHANGES IN HORIZONTAL AND VERTICAL LOCATIONS MAY BE REQUIRED DURING CONSTRUCTION AS FIELD CONDITIONS WARRANT. FINAL LOCATIONS OF OTHER PIPES AND/OR CONDUITS SHALL BE DETERMINED IN THE FIELD. ANY CHANGES SHALL BE APPROVED BY THE ENGINEER.
- WHERE PIPING IS TO BE CONNECTED TO EXISTING PIPING OR STRUCTURES, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS AND ADDITIONAL PIPE (REQUIRED AS A RESULT OF CUTTING THE EXISTING PIPE BACK) TO COMPLETE THE CONNECTION AS REQUIRED.
- SEWER AND DRAIN SERVICE CONNECTIONS ARE LOCATED FOR ESTIMATING PURPOSES ONLY. EXACT LOCATIONS TO BE DETERMINED IN FIELD.
- UNLESS OTHERWISE STIPULATED, ALL DRAINAGE PIPE SHALL BE AS INDICATED ON THE DRAWINGS, AND UNLESS SPECIFICALLY APPROVED BY THE ENGINEER, MANHOLES OR CATCH BASINS SHALL BE SOLID BLOCK OR PRECAST CONCRETE STRUCTURES CONFORMING TO THE LATEST RIDOT STANDARDS.
- ALL DRAINAGE STUBS FOR FUTURE CONNECTIONS SHALL BE PLUGGED OR CAPPED AND LEFT WATER-TIGHT.
- ALL PROPOSED CATCH BASINS MUST HAVE 4-FOOT SUMPS AND WATER QUALITY HOODS (EJLW LEBARON FOUNDRY CO. MODEL NO. L203-000 OR APPROVED EQUAL).

**WATER**

- MINIMUM WATER PIPE COVER SHALL BE 4'-6" EXCEPT AS OTHERWISE INDICATED ON THE DRAWINGS OR APPROVED BY THE ENGINEER.
- EXCEPT WHERE OTHERWISE NOTED, 18" MINIMUM VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN THE EXTERIOR OF WATER MAINS AND OTHER UTILITIES.
- ALL WATER PIPE SHALL BE CLASS 56 CEMENT-LINED DUCTILE IRON PIPE WITH MECHANICAL JOINTS. ALL WATER UTILITY IMPROVEMENTS SHALL COMPLY WITH THE APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS AND PROVIDENCE WATER SUPPLY BOARD (PWSB) SPECIFICATIONS. IN CASE OF CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN.
- PIPE TAPPINGS SLEEVES AND REPAIR CLAMPS SHALL BE MADE OF STAINLESS STEEL AND PROVIDED WITH TYPE 304 STAINLESS STEEL BOLTS AND NUTS.
- THE COMPLETED POTABLE WATER SERVICE SHALL BE SATISFACTORILY CLEANED, CHLORINATED, AND PRESSURE TESTED PER PWSB SPECIFICATIONS.
- IN THE EVENT THAT TEMPORARY WATER BYPASS IS REQUIRED, THE CONTRACTOR SHALL SUBMIT A TEMPORARY WATER BYPASS PLAN TO THE ENGINEER FOR REVIEW, AND SHALL MAKE ANY CHANGES TO THE BYPASS PLAN AS DEEMED NECESSARY BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ANY DWELLINGS/BUILDINGS WITH WATER SERVICES AFFECTED BY THE PROPOSED WORK BE PROVIDED WITH TEMPORARY WATER SERVICE.

**SITE RESTORATION**

- EXCEPT WHERE NOTED BY PROPOSED CONTOUR LINES AND/OR SPOT ELEVATIONS, ALL FINAL CONTOUR LINE ELEVATIONS SHALL BE THE SAME AS EXISTING CONTOUR LINE ELEVATIONS.
- JOINTS BETWEEN NEW BITUMINOUS CONCRETE ROADWAY PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACKSANDDED.
- ALL CURBING DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE RESET, RESTORED OR REPLACED IN KIND, IF DAMAGED, INCLUDING CEMENT CONCRETE, IN ACCORDANCE WITH THE CITY OF PROVIDENCE AND RIDOT STANDARDS, REGARDLESS OF ITS PROXIMITY TO THE DRAIN OR SEWER, AS DIRECTED BY THE OWNER/ENGINEER. PAYMENT SHALL BE CONSIDERED PART OF AND PAID FOR UNDER THE APPROPRIATE PIPE ITEMS AS APPLICABLE UNLESS OTHERWISE INDICATED ON PLANS.
- ALL SIDEWALK AND WHEELCHAIR RAMP AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IN CONFORMANCE TO THE AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS AND THE ARCHITECTURAL ACCESS BOARD (AAB) REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL REMOVE AND RESET ALL SIGNS DISTURBED DURING CONSTRUCTION, IN CONFORMANCE WITH THE RIDOT STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARDS.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

**MAINTENANCE OF EXISTING FLOWS**

- FLOW IN ALL SANITARY SEWERS, COMBINED SEWERS AND DRAINS SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL PROVIDE BYPASS EQUIPMENT AS NECESSARY TO COMPLETE WORK. SEE SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY EQUIPMENT, PIPING, FITTINGS AND APPURTENANCES NECESSARY TO COMPLETE THIS CONTRACT.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL TEMPORARY BYPASS-LINES UNTIL THE MODIFICATIONS AND CONSTRUCTION ARE COMPLETE.

**EXCAVATION SUPPORT, DEWATERING**

- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WELL POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
- TRENCH/EXCAVATION DEWATERING MAY BE REQUIRED FOR THIS WORK; DISCHARGE OF FINES OR SEDIMENTS FROM DEWATERING OPERATIONS IS NOT PERMITTED. SEE SPECIFICATION AND STANDARD DETAILS FOR SILTATION BASIN/SEDIMENT CONTROL TRAP INSTALLATION/USAGE.
- DISCHARGE FROM DEWATERING OPERATIONS SHALL NOT BE DIRECTLY DISCHARGED INTO THE COMBINED SEWER. ALL CONSTRUCTION DEWATERING SHALL HAVE SILT AND SEDIMENT REMOVED PRIOR TO DISCHARGE (SEE SPECIFICATIONS).

**TELEPHONE AND FIBER OPTIC LINE**

- NO TELEPHONE OR FIBER OPTIC WORK IS PLANNED AS PART OF THIS CONTRACT.

**SOIL EROSION AND SEDIMENTATION CONTROL**

- THE CONTRACTOR SHALL FOLLOW THE APPROVED SITE SOIL EROSION AND SEDIMENTATION CONTROL (SESC) PLAN AND DIRECTION OF THE ENGINEER WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SESC MEASURES ON THE PROJECT SITE FOR THE FULL DURATION OF THE CONSTRUCTION PERIOD. TEMPORARY SESC MEASURES MAY INCLUDE, BUT SHALL NOT BE LIMITED TO, CONSTRUCTION ENTRANCE PADS, HAY/STRAW BALES, SILT FENCE, CATCH BASIN INSERTS, ETC.
- ALL SESC MEASURES SHALL BE INSTALLED BY THE CONTRACTOR AND INSPECTED BY THE ENGINEER PRIOR TO THE START OF CONSTRUCTION. THE SESC MEASURES SHALL BE REGULARLY INSPECTED, CLEANED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION OPERATIONS IN ACCORDANCE WITH THE SESC PLAN. SESC MEASURES SHALL ALSO BE INSPECTED AND CLEANED AFTER ALL SIGNIFICANT STORM EVENTS AS STIPULATED BY THE SESC PLAN AND AT THE DIRECTION OF THE OWNER OR ENGINEER.
- CONTRACTOR SHALL MAINTAIN AN ADEQUATE SUPPLY OF SESC MEASURE MATERIALS ON SITE TO BE INSTALLED IN AREAS WHERE EXISTING SESC MEASURES HAVE FAILED OR ARE NECESSARY AS DETERMINED BY THE ENGINEER. NO WORK OR STORAGE OF CONSTRUCTION EQUIPMENT WILL BE PERMITTED OUTSIDE THE LIMIT OF DISTURBANCE.
- THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR REGULAR INSPECTION AND REPORTING REQUIREMENTS.
- SESC MEASURES SHALL BE MAINTAINED UNTIL SITE WORK IS COMPLETE AND ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. UPON PERMANENT STABILIZATION OF ALL DISTURBED SOILS, THE SESC MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED. PROVIDE SESC MEASURES AT PERIMETERS OF ALL EXCAVATION AREAS, DISTURBED SURFACES AND AT ALL CATCH BASINS ADJACENT TO DISTURBED AREAS. PROVIDE SILT FENCING AND HAY/STRAW BALES IN ACCORDANCE WITH DIVISION 2 SPECIFICATION REQUIREMENTS AND AS SHOWN ON THE CIVIL DETAIL DRAWINGS.
- ALL MITIGATIVE FEATURES, FACILITIES AND SYSTEMS OF TREATMENT AND CONTROL THAT MAY BE INSTALLED OR USED SHALL BE PROPERLY MAINTAINED TO PREVENT HARM TO AREAS ADJACENT TO THE SITE.

**TREE PRESERVATION**

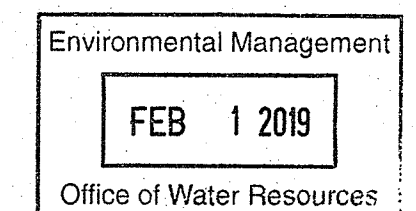
- PROTECT TREES WITHIN THE PUBLIC RIGHT-OF-WAY BY INSTALLING WOOD FRAMING AROUND TREES, AS INDICATED IN THE CONTRACT DRAWINGS.
- PRIOR TO CONSTRUCTION DETERMINE REQUIRED CLEARANCES AND CONTRACT LICENSED ARBORIST TO PRUNE TREES.
- BRANCHES OR LIMBS DAMAGED DURING CONSTRUCTION SHALL BE CUT BACK TO THE TRUNK OR A LATERAL BRANCH.
- MAKE EVERY EFFORT TO MAINTAIN EXCAVATION ACTIVITIES OUTSIDE LIMITS OF THE TREE CANOPY.
- ROOTS LARGER THAN 1.5" IN DIAMETER ENCOUNTERED IN EXCAVATIONS SHALL BE CUT OFF SQUARELY USING A SHARP ARBORIST SAW.
- MAINTAIN STORAGE OF EQUIPMENT AND MATERIALS OUTSIDE THE DISTANCE OF THE RADIUS OF THE TREE CANOPY.

**SIDEWALK AND PAVEMENT RESTORATION**

- ALL EXISTING PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED WITH TEMPORARY PAVEMENT AS DETAILED. TEMPORARY PAVEMENT SHALL BE INSTALLED WITHIN ALL DISTURBED PAVEMENT AREAS BY THE CLOSE OF WORK ON FRIDAY OF THE WEEK THE PAVEMENT WAS DISTURBED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. AT NO TIME WILL DISTURBED PAVEMENT AREAS BE ALLOWED OVER WEEKENDS, HOLIDAYS, OR DURING SEVERE WEATHER CONDITIONS. TEMPORARY PAVEMENT SHALL REMAIN IN-PLACE FOR A MINIMUM PERIOD OF NINETY (90) CALENDAR DAYS AND ONE WINTER PRIOR TO INSTALLATION OF THE PERMANENT PAVEMENT TRENCH OR SURFACE RESTORATION.
- ALL WALKS SHALL HAVE A CROWN OR CROSS-SLOPE OF 1/8" PER FOOT MINIMUM.
- ALL PAVEMENT MARKINGS SHALL BE REPLACED IN KIND, OR IN ACCORDANCE WITH SPECIFICATIONS.

**SURVEY**

- AERIAL SURVEY PREPARED BY: AEROTECH INTERNATIONAL  
365 SMITH STREET, SUITE ONE  
PROVIDENCE, RI 02908-3759
- LOCAL BOUNDARIES AS INDICATED ARE TEMPORARY.
- THE DATUM IS H=NAD 83 - V=NAVD 88.
- LOCAL BENCHMARKS SHALL BE ESTABLISHED BY THE OWNER.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED APR 19 2019 FILE # 19-0026  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*John A. Heston*

1/30/2019 2:53 PM G:\PLANNING LANDSCAPE\PE\60059\6052 - PROVIDENCE PARKS\PERMITTING\RIDEM 2018-19-21 PLAN SET\DONIGIAN\101-102 GENERAL NOTES.DWG (BETA STB BW STB)

DRAWN BY: CC/SD						SUBCONSULTANT	SCALE NONE	TITLE PROPOSED SITE IMPROVEMENTS FOR DONIGIAN PARK GENERAL NOTES	BETA JOB NO. 6052
DESIGNED BY: AG/SD									ISSUE DATE 12/26/18
CHECKED BY: AG									SHEET NO. 2 OF 13
NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS					

# LEGEND

## GENERAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		CURB OR BERM (TYPE AS NOTED)
□ CB	■ CB	CATCH BASIN (OR GUTTER INLET, LEACHING BASIN, DROP INLET, CATCH BASIN CURB INLET)
○ EHH	○ EHH	ELECTRIC HANDHOLE (NUMBER AS NOTED)
⊙ EMH	○ EMH	ELECTRIC MANHOLE
⊙ TMH	○ TMH	TELEPHONE MANHOLE
⊙ WMH	○ WMH	WATER MANHOLE
⊙ SMH	⊙ SMH	SEWER MANHOLE
⊙ DMH	⊙ DMH	DRAINAGE MANHOLE
○ GG	○ GG	GAS GATE
○ WG	○ WG	WATER GATE
○ CS	○ CS	CURB STOP
HYD.	↑ HYD	HYDRANT
FA	■ FAB	FIRE ALARM BOX
PM	• PM	PARKING METER
LP	● LP	STREET LIGHT POLE
UP	● UP	UTILITY POLE
UPL	● UPL	UTILITY POLE w/ LIGHT
GUY	● GUY	GUY POLE
12" RCP	12" RCP	DRAIN PIPE (SIZE AS NOTED)
8" VCP	8" PVC	SEWER MAIN (SIZE AS NOTED)
8" PVC	8" PVC	ELECTRIC DUCT
4" HP	4" HP	GAS MAIN (SIZE AS NOTED)
8" CI	2"	WATER MAIN (SIZE AS NOTED)
PVC	PVC	TELEPHONE DUCT (SIZE AS NOTED)
COPPER	COPPER	TELEPHONE DUCT (SIZE AS NOTED)
EOH	— OHW	OVERHEAD WIRE
MB	□ MB	MAIL BOX
		WOOD GUARD RAIL STEEL BEAM GUARD, WOOD OR STEEL POSTS (TYPE AS NOTED)
		STEEL GUARD RAIL, STEEL POSTS (TYPE NOTED)
		STONE WALL
		RETAINING WALL (TYPE NOTED)
□ BND	■ BND	HIGHWAY/PROPERTY BOUND (TYPE AS NOTED)
SHLO (Date of Layout)		STATE HIGHWAY LAYOUT LINE (SHLO)
Boundary Name		CITY, TOWN OR COUNTY LAYOUT LINE (R.O.W.)
		CITY, TOWN, COUNTY OR STATE BOUNDARY LINE
		PROPERTY LINE
		EASEMENT LINE (TYPE NOTED)
	2+00	CONSTRUCTION BASELINE
		SURVEY LINE
		RAILROAD OR STREET RAILWAY TRACKS WITH SIDELINES
		WHEELCHAIR RAMP
● 24" PINE	⊕	TREE (SIZE AND TYPE AS NOTED)
		HEDGE/SHRUBS
x WF-1	x	FENCE (SIZE AND TYPE AS NOTED)
		EDGE OF WETLAND w/ FLAGGED NUMBER
		EDGE OF RIVER/STREAM LINE
		100-FT. WETLAND BUFFER LIMIT
		100-FT. RIVER FRONT LIMIT
		200-FT. RIVER FRONT LIMIT
		WOODED AREA / LIMIT OF CLEARING
x 00.00	x 00.00	SPOT GRADE
		SAW CUT LINE
	TP-1	TEST PIT
	B-1	BORING
		EROSION CONTROL BARRIER/COMPOST FILTER TUBES
	LOW	LIMIT OF WORK
		TREE PROTECTION

# ABBREVIATIONS

## GENERAL

ABAN.	ABANDON
ADJ.	ADJUST
ALT.	ALTERATION
APPROX.	APPROXIMATE
BL.	BASELINE
B.B.	BITUMINOUS BERM
B.C.	BITUMINOUS CURB
BD OR BND	BOUND
BLDG.	BUILDING
B.O.	BY OTHERS
BOS.	BOTTOM OF SLOPE
BOW.	BOTTOM OF WALL
BSW.	BACK OF SIDEWALK
C.C.	CONCRETE CURB
CEM.	CEMENT
CLF.	CHAIN LINK FENCE
CONC.	CONCRETE
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
DRWY.	DRIVEWAY
E.P., EOP	EDGE OF PAVEMENT
EL.	ELEVATION
ESMT.	EASEMENT
EXIST.	EXISTING
FDN.	FOUNDATION
GRAN.	GRANITE
GC.	GRANITE CURB
HOR.	HORIZONTAL
IP.	IRON PIPE
JCT.	JUNCTION
LP.	LOW POINT
MB.	MAIL BOX
HB.	HIGHWAY BOUND
O.C.	ON CENTER
PCC.	POINT OF COMPOUND CURVATURE
PC.	POINT OF CURVATURE
PRC.	POINT OF REVERSE CURVATURE
PI.	POINT OF INTERSECTION
PT.	POINT OF TANGENCY
PVC.	POINT OF VERTICAL CURVATURE
PVI.	POINT OF VERTICAL INTERSECTION
PVT.	POINT OF VERTICAL TANGENCY
PERM.	PERMANENT
PGL.	PROFILE GRADE LINE
PROP.	PROPOSED
PVC.	POINT OF VERTICAL CURVATURE
PVMT.	PAVEMENT
R.	RADIUS OF CURVATURE
R&D.	REMOVE AND DISCARD
R&R.	REMOVE AND RESET
R&S.	REMOVE AND STACK
REM.	REMOVE
REM.O.	REMODEL
RET.	RETAIN
RR.	RAILROAD
RT.	RIGHT
SB.	SOUTH BOUND OR STONE BOUND
SDWK.	SIDEWALK
SHT.	SHEET
SHLD.	SHOULDER
STA.	STATION
TEMP.	TEMPORARY
TOS.	TOP OF SLOPE
TOW.	TOP OF WALL
TYP.	TYPICAL
VAR.	VARIABLE
VERT.	VERTICAL
VGC.	VERTICAL GRANITE CURB
WCR.	WHEELCHAIR RAMP

## TRAFFIC SIGNAL SYSTEMS

R	STEADY CIRCULAR RED
Y	STEADY CIRCULAR AMBER
G	STEADY CIRCULAR GREEN
FR	FLASHING CIRCULAR RED
FY	FLASHING CIRCULAR AMBER
+FY	FLASHING YELLOW LEFT ARROW
R→	STEADY RED RIGHT ARROW
Y→	STEADY AMBER RIGHT ARROW
G→	STEADY GREEN RIGHT ARROW
+R	STEADY RED LEFT ARROW
+Y	STEADY AMBER LEFT ARROW
+G	STEADY GREEN LEFT ARROW
W	STEADY WALK (PERSON WALKING) - LUNAR WHITE
DW	STEADY DON'T WALK (HAND) - PORTLAND ORANGE
FDW	FLASHING DON'T WALK (FLASHING HAND) - PORTLAND ORANGE

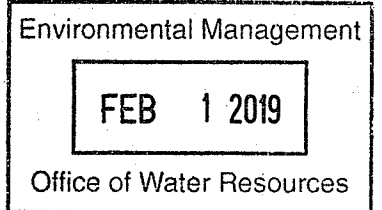
## UTILITIES

ACCOMP	ASPHALT COATED CORRUGATED METAL PIPE
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CI	CURB INLET
CIP	CAST IRON PIPE
CIT	CHANGE IN TYPE
CMP	CORRUGATED METAL PIPE
C	CONDUIT
CPP	CORRUGATED PLASTIC PIPE
CSP	CORRUGATED STEEL PIPE
DI	DROP INLET
DIP	DUCTILE IRON PIPE
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FM	FORCE MAIN
GI	GUTTER INLET
GIP	GALVANIZED IRON PIPE
GG	GAS GATE
HDW	HEADWALL
HYD.	HYDRANT
INV.	INVERT ELEVATION
LP	LIGHT POLE
MH	MANHOLE
PVC	POLY-VINYL-CHLORIDE PIPE
PWW	PAVED WATER WAY
RCP	REINFORCED CONCRETE PIPE (CLASS III UNLESS NOTED)
SD	SUBDRAIN
SMH	SEWER MANHOLE
TS	TRAFFIC SIGNAL
TSV&B	TAPPING SLEEVE, VALVE AND BOX
UP	UTILITY POLE
UPL	UTILITY POLE w/ LIGHT
UPT	UTILITY POLE w/ TRANSFORMER
VCP	VITRIFIED CLAY PIPE
WIP	WROUGHT IRON PIPE
WG	WATER GATE
WM	WATER METER/WATER MAIN

# PAVEMENT MARKINGS AND SIGNING SYMBOLS

## PROPOSED

CW	CROSSWALK, 2 - 12" WHITE LINES (8" WIDTH)
SL	STOP LINE - 12" WHITE LINE 4' BEHIND CW (TYP.)
SWEL	SOLID WHITE EDGE LINE - 4"
SWCHL	SOLID WHITE CHANNELIZING LINES - 12" (SPACING NOTED)
SWGL	SOLID WHITE GORE LINE 12" @ 33", (SPACING NOTED)
SWLL	SOLID WHITE LANE LINE - 4"
SWPL	SOLID WHITE PARKING LINE - 4"
BWLL	BROKEN WHITE LANE LINE - 4"
DWLEx	DOTTED WHITE LANE EXTENSION LINE - 4" (2' LINE & 6' GAP)
DYLEx	DOTTED YELLOW LANE EXTENSION LINE - 4" (2' LINE & 6' GAP)
BYCL	BROKEN YELLOW CENTERLINE - 4"
DYCL	DOUBLE YELLOW CENTERLINE - 2 - 4" LINES
SYEL	SOLID YELLOW EDGE LINE - 4"
SYGL	SOLID YELLOW GORE LINE 12" @ 33", (SPACING NOTED)
SYLL	SOLID YELLOW LANE LINE - 4"
SYCTEL	SOLID YELLOW CYCLE TRACK EDGE LINE - 4"
DYCTCL	DOTTED YELLOW CYCLE TRACK CENTERLINE - 4" (3' LINE & 9' GAP)
SCHOOL	SCHOOL ZONE - WHITE
Handicap Symbol	HANDICAP SYMBOL - WHITE
PAVEMENT ARROW	PAVEMENT ARROW - WHITE
ONLY	LEGEND "ONLY" - WHITE



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED APR 19 2019 FILE # 19-0026  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Hallett*

1/30/2019 2:54 PM G:\PLANNING LANDSCAPE\PERMITTING\RIDEM 2018-12-21 PLAN SET\DONIGIAN\101-102 GENERAL NOTES.DWG (BETA STB BW.STB)

<table border="1"> <thead> <tr><th>NUMBER</th><th>DATE</th><th>MADE BY</th><th>CHECKED BY</th><th>REVISIONS</th></tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS																					DRAWN BY: CC/SD DESIGNED BY: AG/SD CHECKED BY: AG	REGISTERED PROFESSIONAL  KEVIN M. AGUILAR No. 6913 REGISTERED PROFESSIONAL ENGINEER CIVIL	PREPARED BY:  www.BETA-inc.com	SUBCONSULTANT	SCALE: NONE	TITLE: <b>PROPOSED SITE IMPROVEMENTS FOR DONIGIAN PARK</b> <b>LEGEND &amp; ABBREVIATIONS</b>	BETA JOB NO. 6052 ISSUE DATE 12/28/18 <b>DP-L102</b> SHEET NO. 3 OF 13
NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS																												

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

1/30/2019 2:58 PM G:\PLANNING LANDSCAPE\60005\6052 - PROVIDENCE PARKS\PERMITTING\RIDEM 2018-12-21 PLAN SET\DWG\103 EXISTING CONDITIONS.DWG (BETA STB B.V.STB)



Environmental Management  
**FEB 1 2019**  
 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 APR 19 2019 FILE # 19-0026  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

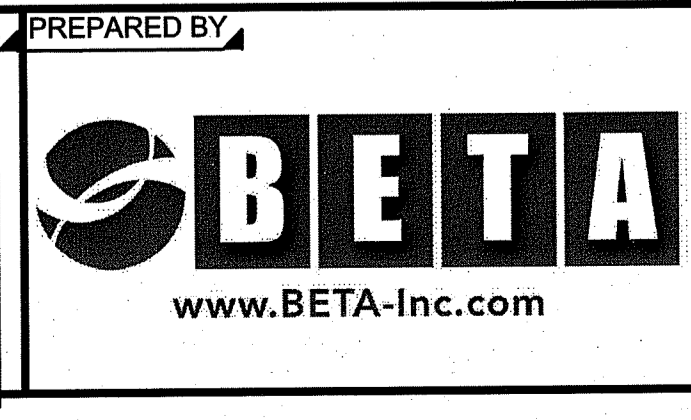
*Charles A. Herbert*

NOTE:  
 SURVEY PROVIDED BY AEROTECH INTERNATIONAL  
 365 SMITH STREET, PROVIDENCE, RI 02908.

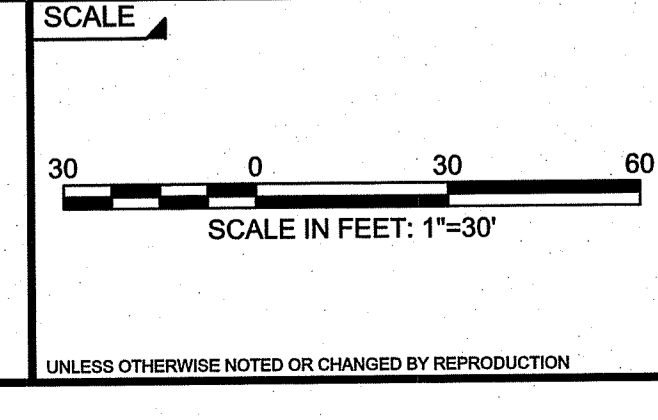
NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

DRAWN BY:  
 CC/SD  
 DESIGNED BY:  
 AG/SD  
 CHECKED BY:  
 AG

REGISTERED PROFESSIONAL  
 KEVIN M. AGUIAR  
 No. 6913  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL



SUBCONSULTANT



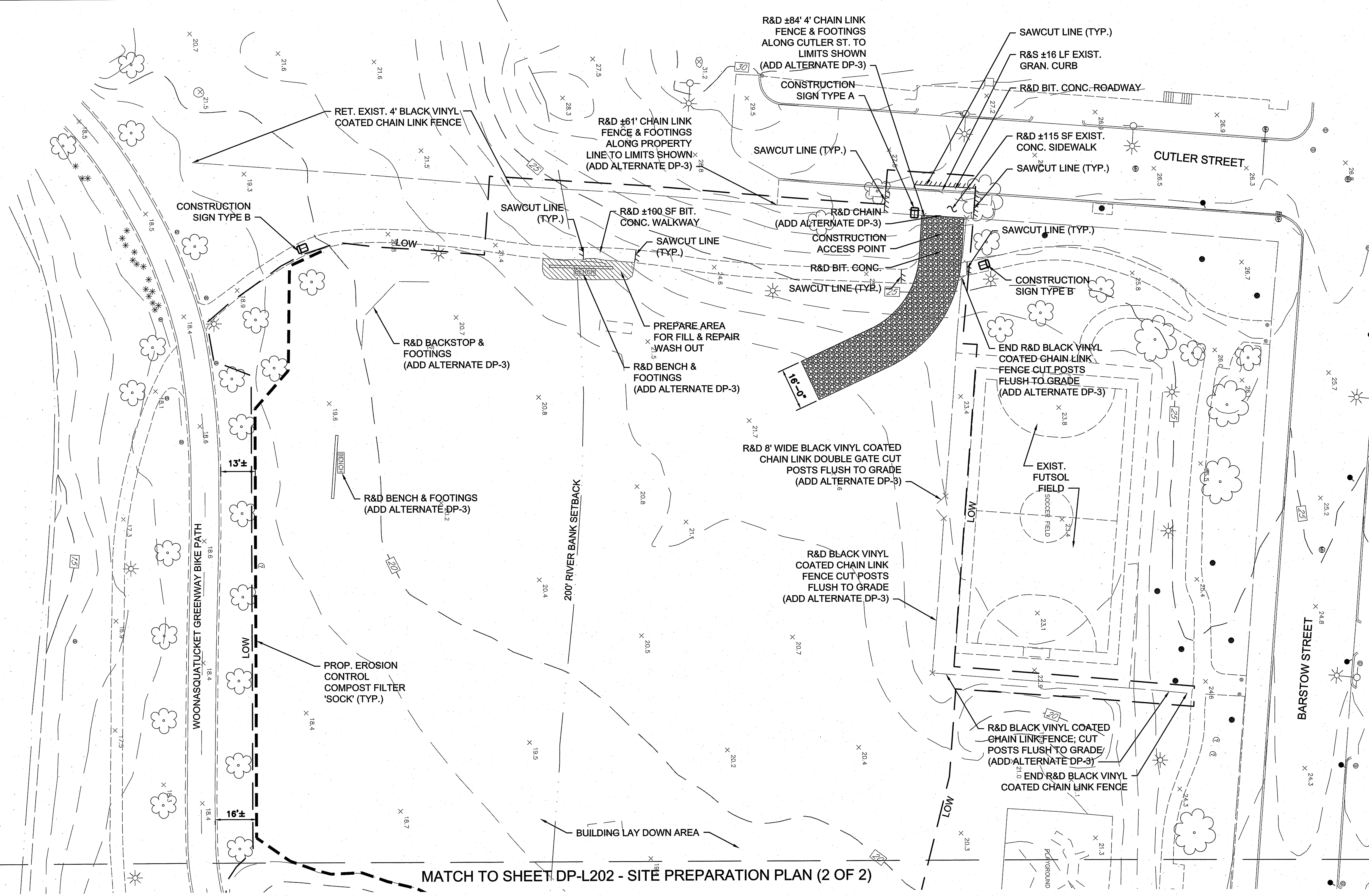
TITLE

**PROPOSED SITE IMPROVEMENTS FOR  
 DONIGIAN PARK  
 EXISTING CONDITIONS PLAN**

BETA JOB NO. 6052  
 ISSUE DATE 12/26/18  
**DP-L103**  
 SHEET NO. 4 OF 13

1/30/2019 2:57 PM G:\PLANNING LANDSCAPE\PERMITTING\RIDEM 2018-12-21 PLAN SET\DONIGIAN\2018-12-21 SITE PREPARATION PLAN.DWG (BETA STB BW.STB)

WOONASQUATUCKET RIVER



MATCH TO SHEET DP-L202 - SITE PREPARATION PLAN (2 OF 2)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED APR 19 2019 FILE # 19-0526  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

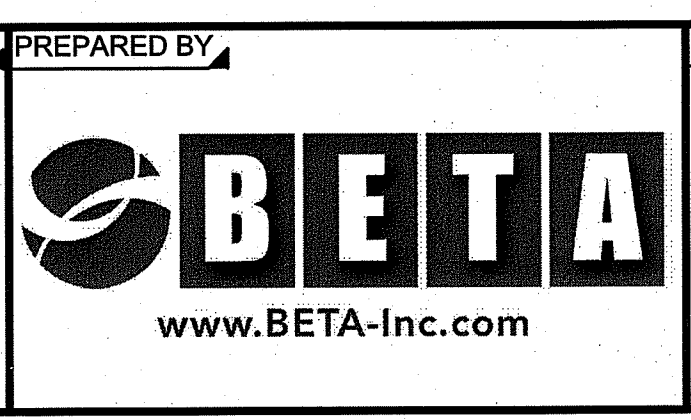
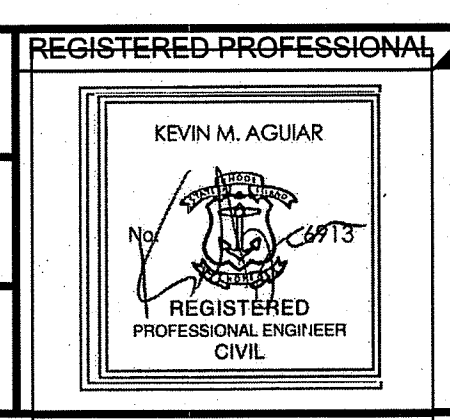
*James A. Hatten*

Environmental Management  
 FEB 1 2019  
 Office of Water Resources

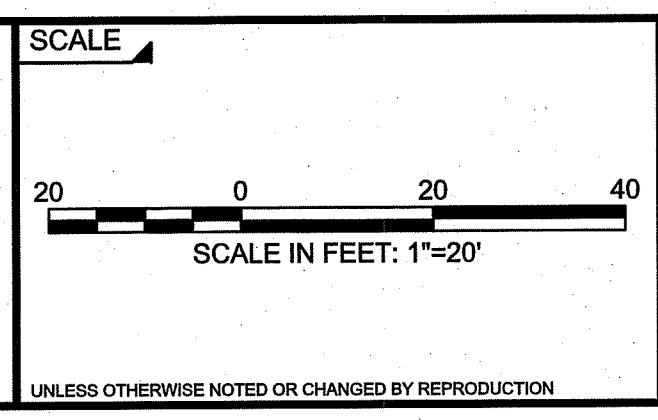
NOTES:  
 1. NOTED FENCE AND SITE FURNISHING DEMOLITION SHALL BE "BY OTHERS" IN THE BASE BID.  
 2. UNDER ADD ALTERNATE DP-3, PRICING SHALL BE FURNISHED FOR THE CONTRACTOR TO CONDUCT THESE OPERATIONS AS INDICATED ON THE PLANS.

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

DRAWN BY:  
CC/SD  
 DESIGNED BY:  
AG/SD  
 CHECKED BY:  
AG



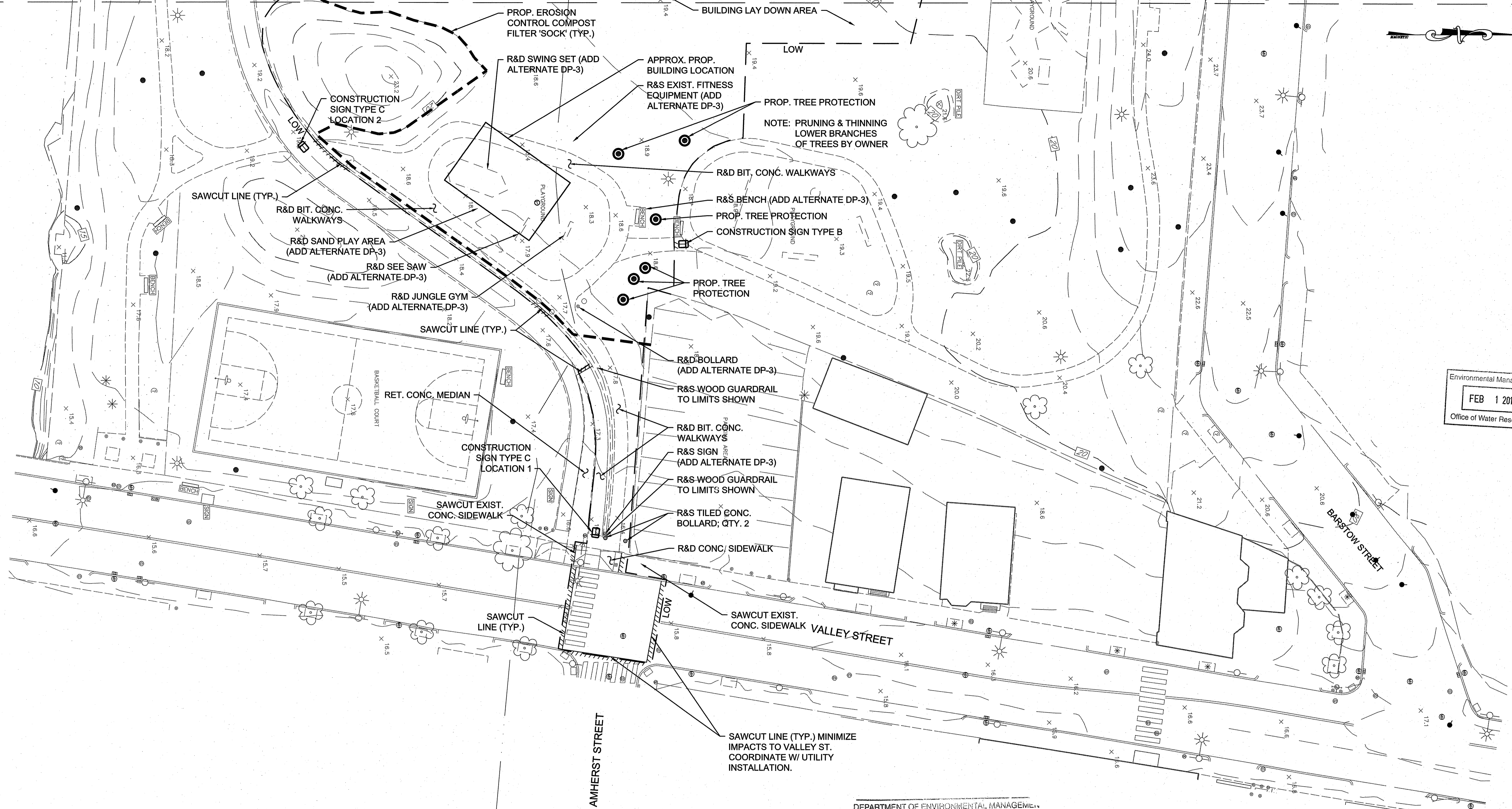
PREPARED BY  
SUBCONSULTANT



TITLE  
**PROPOSED SITE IMPROVEMENTS FOR DONIGIAN PARK**  
 SITE PREPARATION PLAN (1 OF 2)

BETA JOB NO. 6052  
 ISSUE DATE 12/26/18  
**DP-L201**  
 SHEET NO. 5 OF 13

MATCH TO SHEET DP-L201 - SITE PREPARATION PLAN (1 OF 2)



Environmental Management  
 FEB 1 2019  
 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 APR 19 2019 FILE # 19-0316  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Julia A. Hart*

- NOTES:
1. MINIMIZE ALL R&D WORK AT BIKE PATH AND VALLEY ST. TO ONLY THE LIMITS NECESSARY TO CONDUCT IMPROVEMENTS AS SHOWN ON THE PLANS DP-L301, L302, AND L303.
  2. COORDINATE THIS WORK WITH UTILITY SERVICE CONNECTIONS.
  3. CONDUCT OPERATIONS TO MINIMIZE CLOSURE OF THE BIKEWAY AND VALLEY STREET.
  4. PROVIDE TRAFFIC CONTROL CONFIGURED TO ALLOW ONE WAY TRAFFIC FLOW.
  5. NOTED FENCE AND SITE FURNISHING DEMOLITION SHALL BE "BY OTHERS" IN THE BASE BID.
  6. UNDER ADD ALTERNATE DP-3, PRICING SHALL BE FURNISHED FOR THE CONTRACTOR TO CONDUCT THESE OPERATIONS AS INDICATED ON THE PLANS.

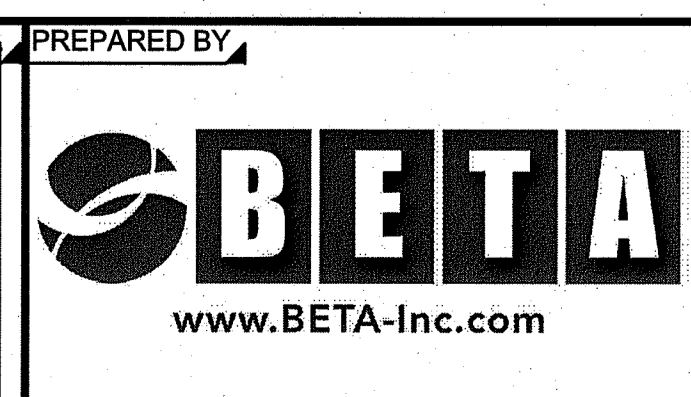
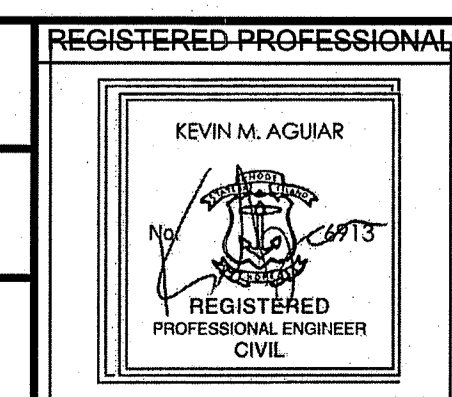
1/30/2019 2:58 PM G:\PLANNING LANDSCAPE\PERMITTING\RIDEM 2018-12-21 PLAN SET\DONIGIAN\201-202 SITE PREPARATION PLAN.DWG (BETA STB BW STB)

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

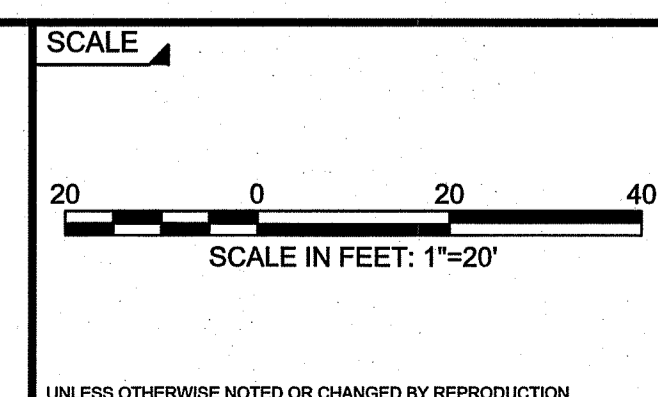
DRAWN BY:  
CC/SD

DESIGNED BY:  
AG/SD

CHECKED BY:  
AG



REGISTERED PROFESSIONAL PREPARED BY  
 SUBCONSULTANT



TITLE  
**PROPOSED SITE IMPROVEMENTS FOR DONIGIAN PARK**  
 SITE PREPARATION PLAN (2 OF 2)

BETA JOB NO. 6052  
 ISSUE DATE 12/26/18  
**DP-L202**  
 SHEET NO. 6 OF 13

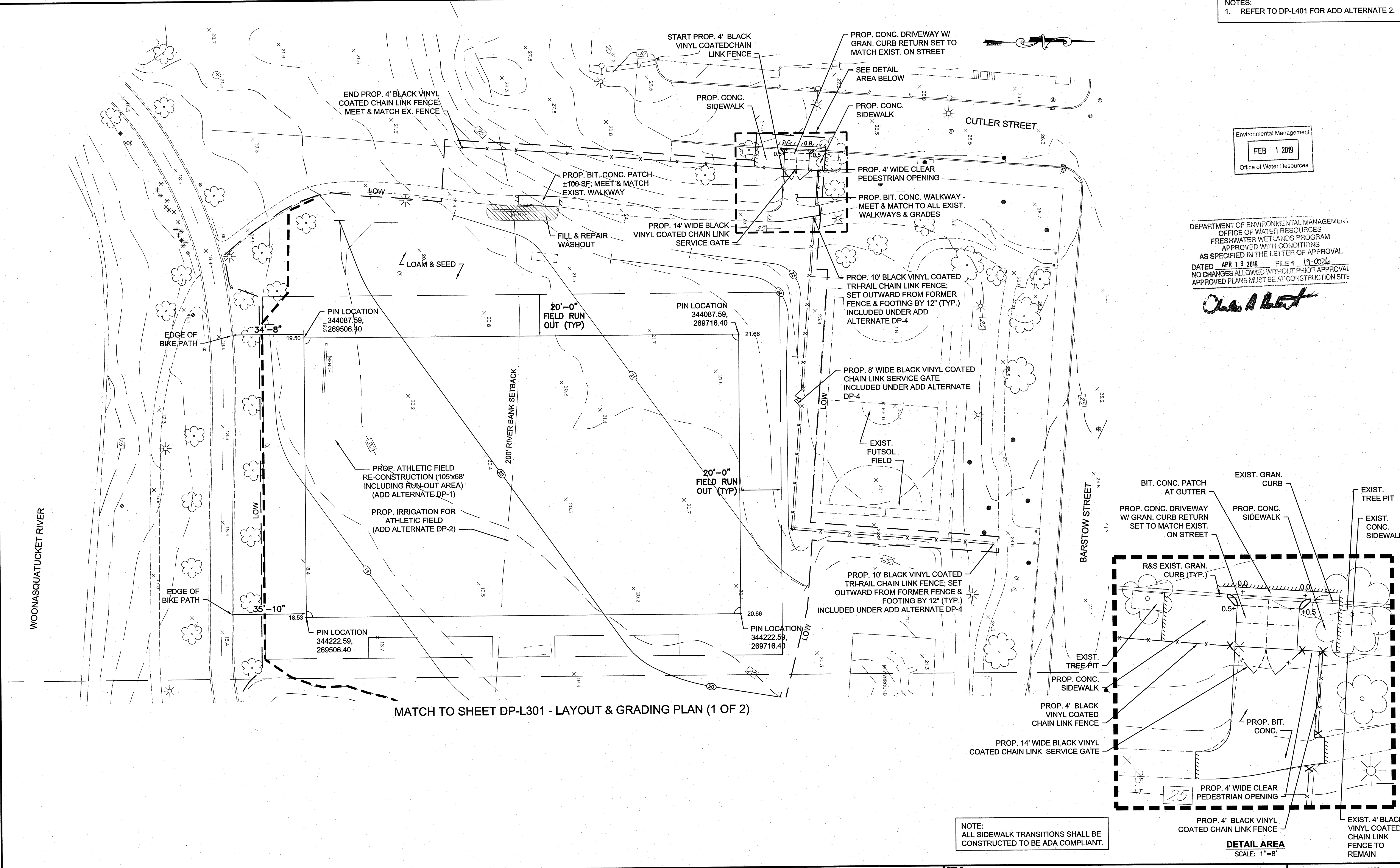
NOTES:  
1. REFER TO DP-L401 FOR ADD ALTERNATE 2.

Environmental Management  
FEB 1 2019  
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 APR 19 2019 FILE # 19-0026  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

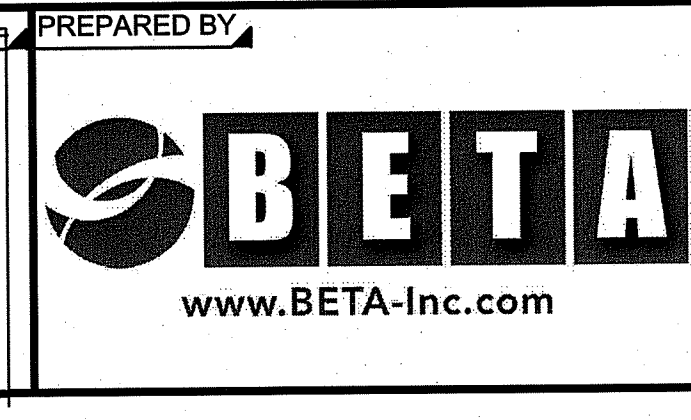
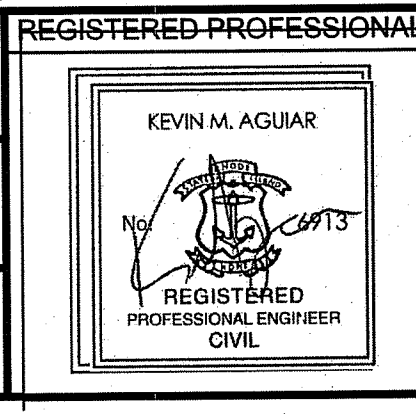
*Chris A. Best*

G:\PLANNING LANDSCAPE\60000\6052 - PROVIDENCE PARKS\PERMITTING\2018-12-21 PLAN SET\DONIGIAN\301-303 LAYOUT & GRADING PLAN.DWG (BETA STB BW STB)

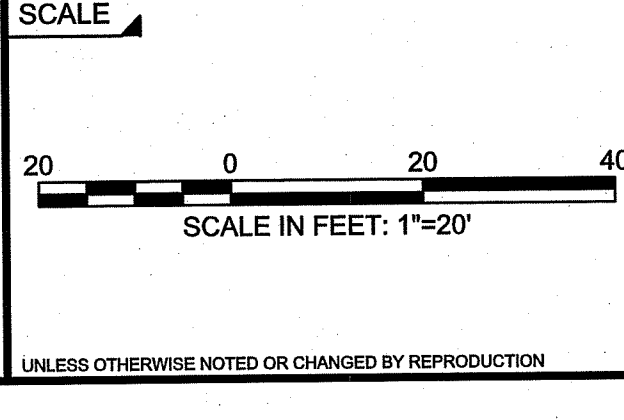


NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

DRAWN BY:  
CC/SD  
DESIGNED BY:  
AG/SD  
CHECKED BY:  
AG



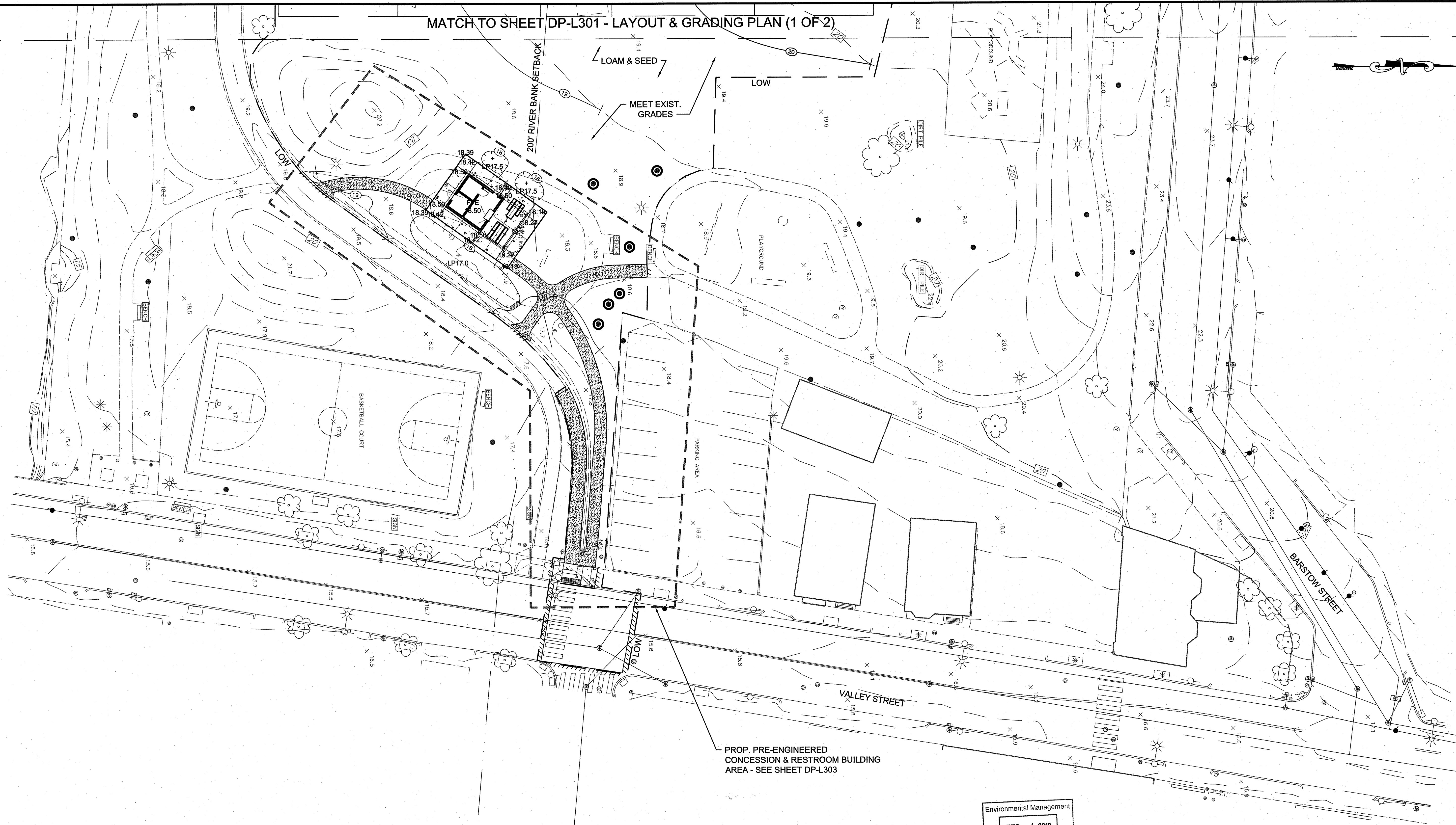
PREPARED BY  
SUBCONSULTANT



TITLE  
**PROPOSED SITE IMPROVEMENTS FOR DONIGIAN PARK**  
LAYOUT & GRADING PLAN (1 OF 2)

BETA JOB NO. 6052  
ISSUE DATE 12/26/18  
SHEET NO. 7 OF 13  
DP-L301

MATCH TO SHEET DP-L301 - LAYOUT & GRADING PLAN (1 OF 2)



PROP. PRE-ENGINEERED  
CONCESSION & RESTROOM BUILDING  
AREA - SEE SHEET DP-L303

Environmental Management  
FEB 1 2019  
Office of Water Resources

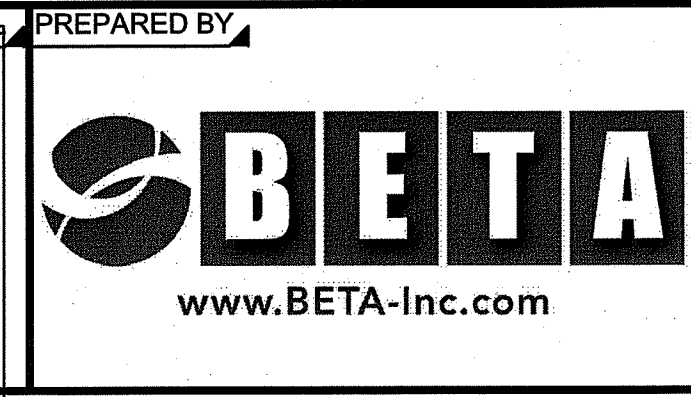
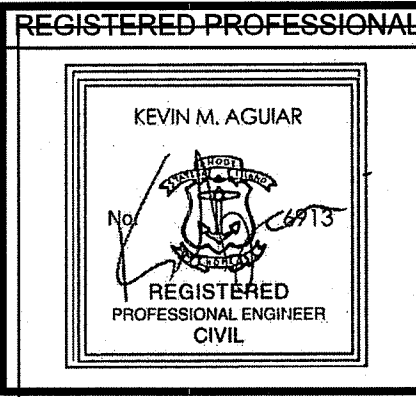
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED APR 19 2019 FILE # 19-0026  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*John A. [Signature]*

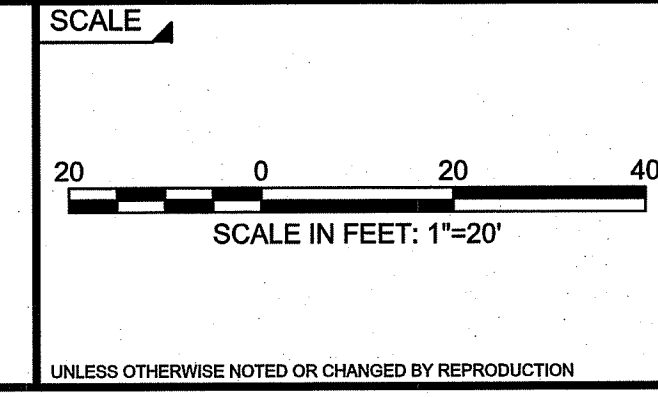
1/30/2019 3:01 PM G:\PLANNING LANDSCAPE\PERMITTING\DEM\2018-12-21 PLAN SET\DONIGIAN\301-303 LAYOUT & GRADING PLAN.DWG (BETA-STB BW.STB)

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

DRAWN BY:  
CC/SD  
DESIGNED BY:  
AG/SD  
CHECKED BY:  
AG



PREPARED BY  
SUBCONSULTANT



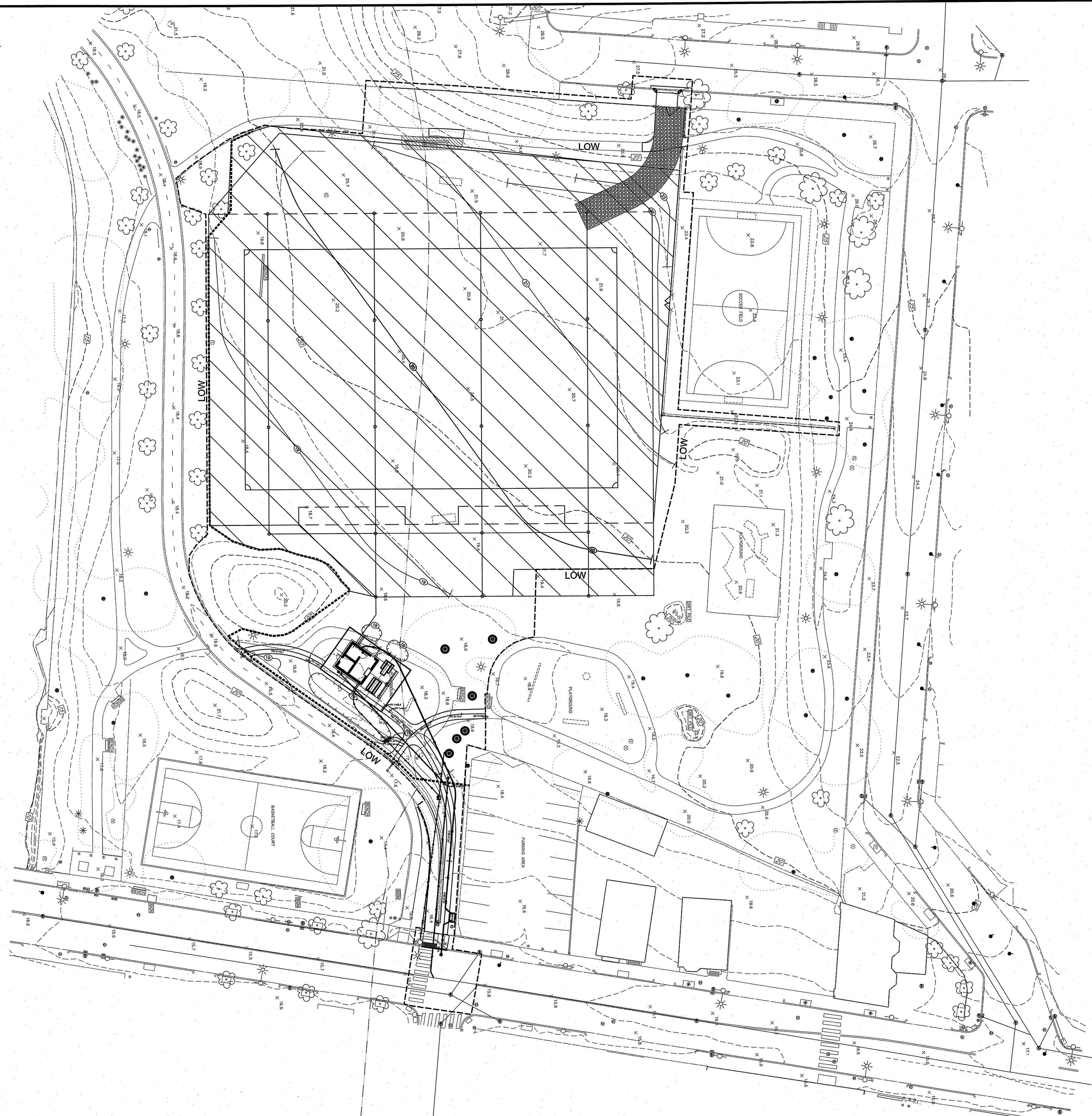
TITLE

**PROPOSED SITE IMPROVEMENTS FOR  
DONIGIAN PARK**  
LAYOUT & GRADING PLAN (2 OF 2)

BETA JOB NO. 6052  
ISSUE DATE 12/26/18  
DP-L302  
SHEET NO. 8 OF 13



1/30/2019 3:04 PM G:\PLANNING LANDSCAPE\PERMITTING\RIDEM 2018-12-21 PLAN SET\DONIGIAN\401-402 SITE IRRIGATION.DWG (BETA STB BW.STB)



Environmental Management  
**FEB 1 2019**  
 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 **APR 19 2019** FILE # **19-0026**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Julius A. Haber*

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

DRAWN BY:  
#  
DESIGNED BY:  
#  
CHECKED BY:  
#

REGISTERED PROFESSIONAL  
 KEVIN M. AGUIAR  
 No. 6913  
 1-24-19  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL

PREPARED BY  
  
 www.BETA-Inc.com

SUBCONSULTANT

SCALE  
  
 SCALE IN FEET: 1"=30'  
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

TITLE  
**DONIGIAN PARK**  
**SITE IRRIGATION PLAN**

BETA JOB NO. 6052  
 ISSUE DATE OCTOBER 2018  
**DP-L401**  
 SHEET NO. 10 OF 13

1/30/2019 3:06 PM G:\PLANNING LANDSCAPE\PERMITTING\RIDEM 2018-12-21 PLAN SET\DONIGIAN\1401-402 SITE IRRIGATION.DWG (BETA STB BW/STB)

# 1-90

ROTOR • 1/2" ROTATOR • SPRAYS • VALVE • 1/2" FLOWERS • SENSORS • CENTRAL CONTROL MICRO

## Hunter®



**Hunter's longest distance rotor specifically designed for parks, sports fields, and public areas**

**P**ushing a radius of over 100 feet, the I-90 boasts coverage no other commercial sprinkler can deliver. With a standard heavy-duty rubber logo cap plus two specialized rubber cover kit options, the I-90 is the perfect choice for parks and wide-open turf areas, as well as perimeter watering of athletic fields and horse arenas. The rotor is also easy to service, with a "jar-top" body cap that allows quick access to the filter screen and check valve with no extra pieces, parts, or tools required. The I-90 is offered in two models: a full-circle model with an opposing-nozzle, and an adjustable arc model. Both models feature color-coded nozzles that can be field-changed to match the specific needs of your site.

### Features & Benefits

- **Extra-thick heavy-duty rubber cover** Helps keep playing surfaces safe
- **8 color-coded primary nozzles** Truly uniform coverage and fast identification
- **Jar-Top serviceability** Easy access to screen, gear drive, and valve assemblies
- **Closed case rotor** Absolute protection from dirt
- **Proven, heavy-duty gear drive** Enduring reliability
- **Water activated riser seal** Clean-flushing action and positive retraction
- **Heavy duty stainless steel spring** Assures positive retraction, time after time
- **Drain check valve to handle elevation change** Saves water, reduces liability



Adjustable Arc  
190-ADV



Full-Circle  
190-36V



Rubber cover kits  
(P/N 234200, P/N 234201)



Turf cup kit  
(P/N 467955)

## I-90 Rotor

**Models**  
**190-36V:** Full circle  
**190-ADV:** Adjustable arc (40°-360°)

**Dimensions**

- Pop-up height: 3"
- Female inlet: 1/2" NPT
- Exposed diameter: 3 3/4"
- Overall height: 11"

**Operating Specifications**

- Radius: 63" to 101"
- Flow rate: 22 to 83 GPM
- Recommended pressure range: 60 to 110 PSI
- Operating pressure range: 50 to 120 PSI
- Precipitation rates: 0.75 in/hr approx.
- Nozzle trajectory: 22.5 degrees

**Factory Installed Options**

- Nozzles: #25 to #73
- Reclaimed water ID cover

**User Installed Options**

- Rubber Cover Kit 190-ADV (P/N 234200)
- Rubber Cover Kit 190-36V (P/N 234201)
- Turf Cup Kit (P/N 467955)

#### I-90-ADV Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft	Flow GPM	Head in/ft	Head ft
25	60	63	22.0	1.07	1.33
25	70	64	24.9	1.17	1.35
25	80	65	27.5	1.25	1.43
25	90	67	28.8	1.24	1.43
25	100	68	30.6	1.27	1.47
33	60	67	30.7	1.32	1.52
33	70	67	33.1	1.42	1.64
33	80	68	35.5	1.48	1.71
33	90	69	37.7	1.52	1.76
33	100	70	39.9	1.56	1.81
38	60	69	34.0	1.37	1.59
38	70	70	36.9	1.45	1.67
38	80	72	39.8	1.49	1.71
38	90	73	42.3	1.53	1.76
38	100	75	44.1	1.57	1.74
43	60	70	38.7	1.52	1.76
43	70	71	40.0	1.60	1.85
43	80	72	41.5	1.65	1.91
43	90	73	42.6	1.72	1.99
43	100	73	43.3	1.74	2.01
48	60	75	47.0	1.61	1.86
48	70	77	50.2	1.63	1.88
48	80	79	53.3	1.64	1.90
48	90	81	56.0	1.64	1.90
48	100	81	57.4	1.67	1.93
53	60	85	57.0	1.52	1.75
53	70	86	59.5	1.55	1.79
53	80	86	60.9	1.66	1.92
53	90	88	63.5	1.65	1.91
53	100	90	66.8	1.66	1.92
63	60	90	64.9	1.59	1.84
63	70	92	67.7	1.59	1.83
63	80	95	72.8	1.58	1.79
63	90	96	74.2	1.53	1.74
63	100	96	74.2	1.53	1.74

#### I-90-36V Nozzle Performance Data


Nozzle	Pressure PSI	Radius ft	Flow GPM	Head in/ft	Head ft
25	60	69	25.5	0.83	0.60
25	70	71	27.8	0.83	0.61
25	80	73	30.2	0.85	0.63
25	90	75	31.7	0.84	0.63
25	100	77	33.9	0.85	0.64
33	60	71	29.8	0.87	0.66
33	70	74	32.2	0.87	0.65
33	80	76	34.4	0.87	0.66
33	90	78	36.8	0.88	0.67
33	100	80	39.6	0.88	0.67
38	60	76	33.3	0.89	0.68
38	70	77	36.1	0.89	0.68
38	80	79	38.4	0.89	0.68
38	90	80	40.9	0.89	0.71
38	100	82	42.8	0.81	0.71
43	60	77	38.1	0.82	0.71
43	70	79	40.9	0.82	0.73
43	80	82	43.9	0.83	0.73
43	90	85	46.5	0.85	0.75
43	100	84	48.3	0.86	0.76
48	60	82	46.3	0.86	0.77
48	70	86	49.6	0.85	0.75
48	80	89	52.5	0.84	0.74
48	90	90	56.8	0.85	0.75
48	100	88	59.5	0.87	0.78
53	60	88	53.5	0.86	0.77
53	70	90	57.4	0.88	0.79
53	80	92	59.5	0.88	0.78
53	90	92	60.6	0.72	0.63
53	100	92	63.2	0.72	0.63
63	60	96	60.4	0.72	0.64
63	70	96	63.9	0.72	0.63
63	80	95	72.1	0.77	0.59
63	90	97	75.9	0.78	0.60
63	100	99	79.5	0.78	0.60
63	110	101	83.0	0.78	0.60

\* Factory-installed nozzle  
 \*\* Preliminary performance data  
 Note: All ADV precipitation rates are calculated for 100-degree operation. For 30-degree use, divide by 2. Precipitation rates for the 36V model are calculated at 30 degrees.

MODEL	STANDARD FEATURES	FEATURE OPTIONS	NOZZLE OPTIONS
190 - 3" pop-up	Plastic clear check valve and 8 nozzles	ADV - Adjustable arc SRV - SRV	#25 to #73 - Factory installed nozzle number
190 - ADV	3" pop-up, adjustable arc	ADV - Adjustable arc and reclaimed water ID SRV - Full circle, opposing nozzles SRV - Full circle, opposing nozzles and reclaimed water ID	#25 to #73 - Factory installed nozzle number
190 - 36V - 43	3" pop-up, full circle, opposing nozzles, and #43 nozzle		
190 - SRV - 63	3" pop-up, full circle, opposing nozzles, reclaimed water ID, and #63 nozzle		

## RESIDENTIAL & COMMERCIAL IRRIGATION

*Built on innovation*



**01 Rugged:** Automatic arc return and non-strippable drive prevent damage from vandalism

**02 Versatile:** Part-and-full-circle in one model, from 50° to 360°

**03 Efficient:** Built-in check valve saves water and reduces liability

### I-25 PERFORMANCE ROTOR

*This Rugged Rotor Can Stand Up to Any Commercial Job*

The I-25 gets the job done with power, efficiency, and commercial-grade reliability. With a robust watering radius of 37' to 71', this rotor can be used in a variety of applications and environments. The compact, highly durable design is available in a plastic model or stainless steel for tough-as-nails strength. With a 5-year warranty, the I-25 also has options for reclaimed water ID and high-speed. A standard check valve is built in, and a wide selection of high performance nozzles are available. Efficient, tough, and built-to-last, Hunter's I-25 rotors work hard day in and day out so you don't have to.

## I-25 FEATURES & SPECIFICATIONS

### Features

- Models plastic/stainless steel riser: 4", 6"
- Arc settings: 50° to 360°
- Factory installed rubber cover
- Through-the-top arc adjustment
- Quick check arc mechanism
- Water lubricated gear-drive
- Nozzle choices: 12
- Nozzle range: #4 to #28
- Warranty period: 5 years

### Specifications

- Radius: 37' to 71'
- Flow rate: 3.8 to 31.5 GPM
- Recommended pressure range: 40 to 100 PSI
- Operating pressure range: 40 to 100 PSI
- Precipitation rates: 0.4 in/hr approx.
- Nozzle trajectory: 25°

### Models

**I-25-04**  
 Overall Height: 7 1/2"  
 Pop-up Height: 4"  
 Exposed Diameter: 1 1/2"  
 Inlet Size: 1" female NPT

**I-25-06**  
 Overall Height: 10 1/2"  
 Pop-up Height: 6"  
 Exposed Diameter: 1 1/2"  
 Inlet Size: 1" female NPT

#### I-25 (PLASTIC) - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

<b>1 Model</b> I-25-04 = 4" Pop-up I-25-06 = 6" Pop-up	<b>2 Standard Features</b> Adjustable arc, plastic riser, check valve, and 5 nozzles	<b>3 Feature Options</b> (blank) = No option R = Reclaimed water ID	<b>4 Nozzle Options</b> #4 to #28 - Factory installed nozzle number
--------------------------------------------------------------	-----------------------------------------------------------------------------------------	---------------------------------------------------------------------------	------------------------------------------------------------------------

#### I-25 (STAINLESS STEEL) - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

<b>1 Model</b> I-25-04-SS = 4" Pop-up I-25-06-SS = 6" Pop-up	<b>2 Standard Features</b> Adjustable arc, stainless steel riser, check valve, and 5 nozzles	<b>3 Feature Options</b> (blank) = No option R = Reclaimed water ID HS = High speed HS-R = High speed and reclaimed water ID	<b>4 Nozzle Options</b> #4 to #28 - Factory installed nozzle number
--------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------

Examples:  
 I-25-04 = 4" Pop-up, adjustable arc  
 I-25-04-SS - R - 18 - 4" Pop-up, adjustable arc, stainless steel riser, reclaimed water ID, and #18 nozzle  
 I-25-06-SS = 6" Pop-up, adjustable arc, stainless steel riser

Website: [hunterindustries.com](http://hunterindustries.com) | Customer Support: 1-800-383-4747 | Technical Service: 1-800-733-2823

	DRAWN BY: #	REGISTERED PROFESSIONAL KEVIN M. AGUIAR No. 5913 REGISTERED PROFESSIONAL ENGINEER CIVIL	PREPARED BY: <b>BETA</b> www.BETA-Inc.com	SUBCONSULTANT	SCALE AS SHOWN	TITLE <b>DONIGIAN PARK</b> IRRIGATION DETAILS	BETA JOB NO. 6052
	DESIGNED BY: #						ISSUE DATE: OCTOBER 2018
	CHECKED BY: #						DP-L402
							SHEET NO. 11 OF 13
REVISIONS							
NUMBER	DATE	MADE BY	CHECKED BY				

Environmental Management  
**FEB 1 2019**  
 Office of Water Resources

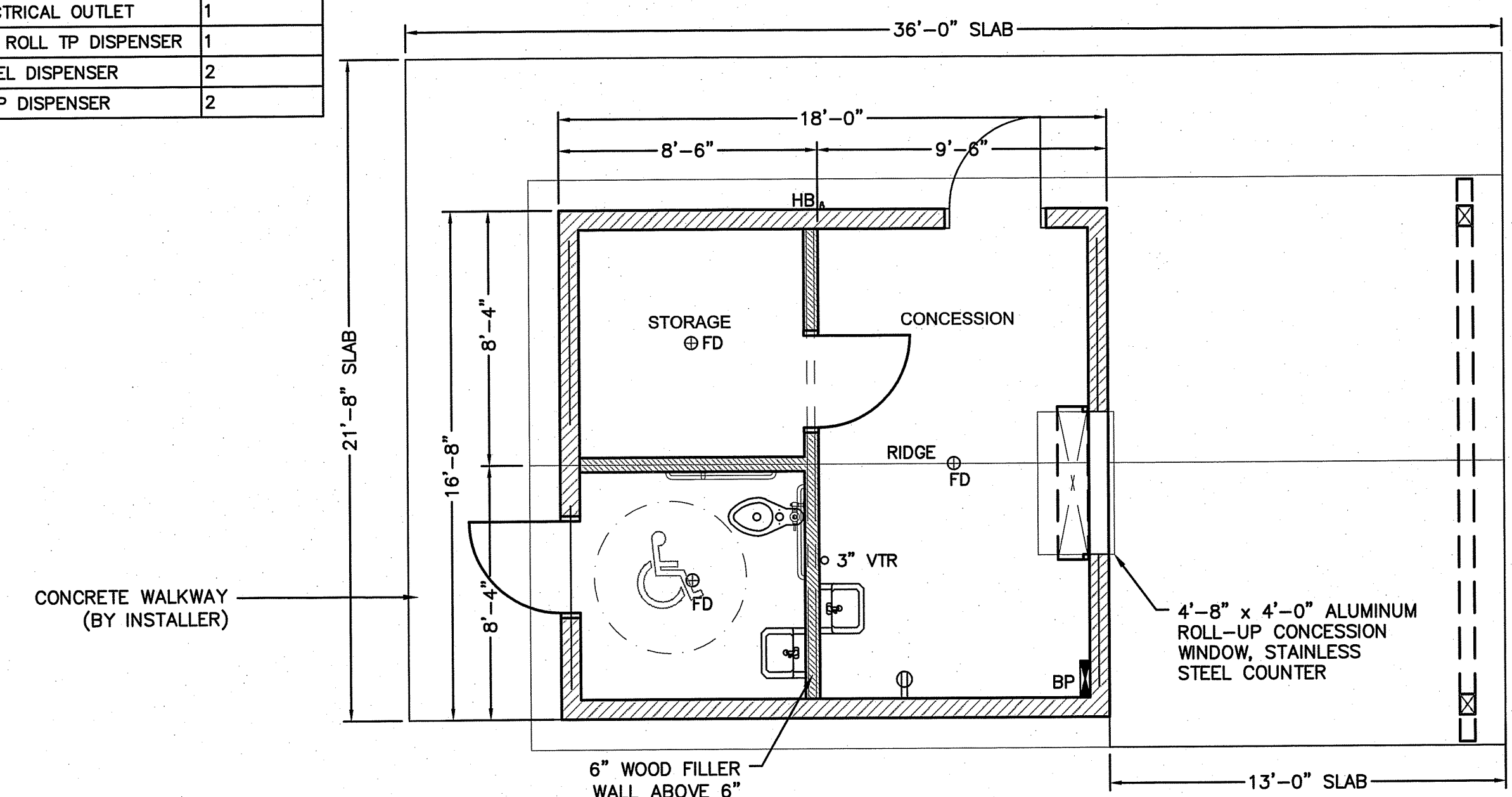
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **APR 19 2019** FILE # **19-0526**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Kevin M. Aguiar*

13/02/2019 3:14 PM G:\PLANNING LANDSCAPE\60052-PROVIDENCE PARKS\PERMITTING\RIDEM 2018-12-21 PLAN SET\DONIGIANVA101 BUILDING.DWG (BETA STB BW.STB)

LEGEND		
SYMBOL	DESCRIPTION	AREA/ QUANTITY
	GABLE VENT	4
	2x6 WOOD FILLER WALL	2
	EXTERIOR WALL LIGHTS	4
	INTERIOR CEILING LIGHTS	4
	FLOOR DRAIN	2
	WALL HYDRANT	1
	ELECTRICAL OUTLET	1
	TWO ROLL TP DISPENSER	1
	TOWEL DISPENSER	2
	SOAP DISPENSER	2

WALL TYPE SCHEDULE	
	8" REINFORCED CONCRETE MASONRY BLOCK WALL WITH MORTAR JOINTS, GROUTED SOLID ALL CELLS RUNNING BOND PATTERN.
	6" REINFORCED CONCRETE MASONRY BLOCK WALL WITH MORTAR JOINTS, GROUTED SOLID ALL CELLS RUNNING BOND PATTERN.



**1 FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

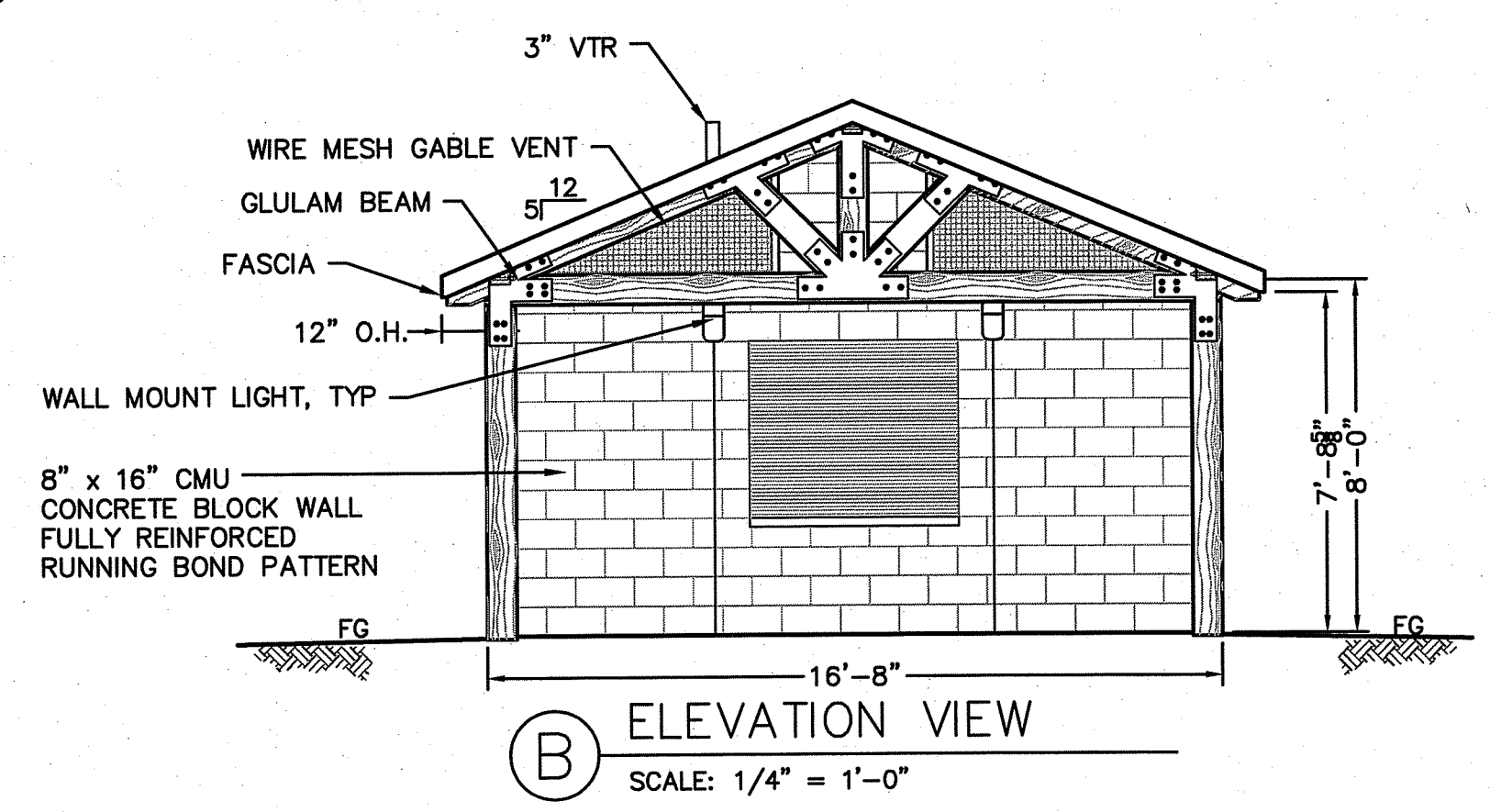
THESE PLAN VIEW AND ELEVATION DRAWINGS ARE A PRELIMINARY ARCHITECTURAL REPRESENTATION OF THE BUILDING. ALL DIMENSIONS, FEATURES AND COMPONENTS SHOWN ON THESE PRELIMINARY DRAWINGS MAY OR MAY NOT BE PART OF THE QUOTE. PLEASE REFER TO THE "SCOPE OF SUPPLY AND SERVICES" LETTER PROVIDED WITH YOUR QUOTE FOR ROMTEC'S PROPOSED SCOPE OF SUPPLY.

**ROMTEC**  
18240 NORTH BANK ROAD - ROSELBURG, OR 97470  
PRELIMINARY

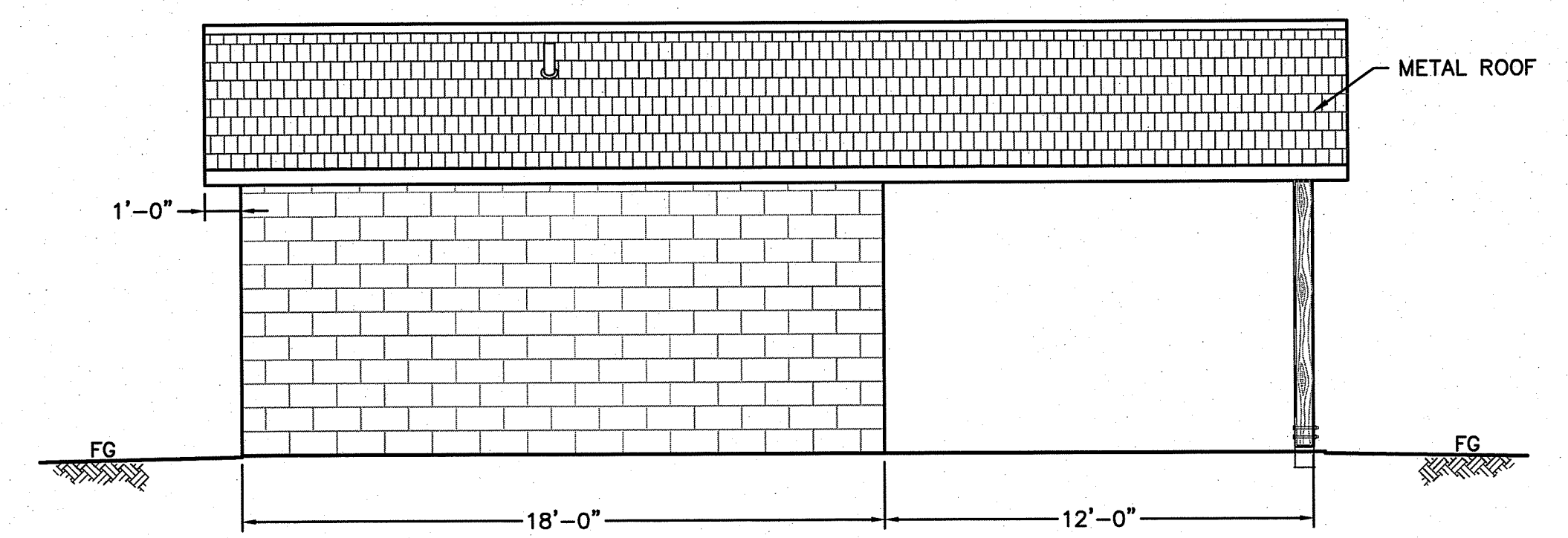
PROJECT: 2032-SIERRA STRETCH COMPACT W/ CONCESSION  
BETA GROUP, INC. DONIGIAN PARK & OBEEDIAH BROWN PLAYING FIELD RESTROOM/CONCESSION  
PROVIDENCE, RHODE ISLAND

PROJECT NO. 970  
MODEL NO. 2032  
DATE: 10/04/18  
REVISIONS

DESIGNED BY: JS  
DRAWN BY: JS  
SHEET NO. 1



**B ELEVATION VIEW**  
SCALE: 1/4" = 1'-0"



**C ELEVATION VIEW**  
SCALE: 1/4" = 1'-0"

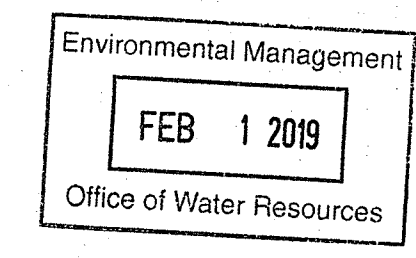
THESE PLAN VIEW AND ELEVATION DRAWINGS ARE A PRELIMINARY ARCHITECTURAL REPRESENTATION OF THE BUILDING. ALL DIMENSIONS, FEATURES AND COMPONENTS SHOWN ON THESE PRELIMINARY DRAWINGS MAY OR MAY NOT BE PART OF THE QUOTE. PLEASE REFER TO THE "SCOPE OF SUPPLY AND SERVICES" LETTER PROVIDED WITH YOUR QUOTE FOR ROMTEC'S PROPOSED SCOPE OF SUPPLY.

**ROMTEC**  
18240 NORTH BANK ROAD - ROSELBURG, OR 97470  
PRELIMINARY

PROJECT: 2032-SIERRA STRETCH COMPACT W/ CONCESSION  
BETA GROUP, INC. DONIGIAN PARK & OBEEDIAH BROWN PLAYING FIELD RESTROOM/CONCESSION  
PROVIDENCE, RHODE ISLAND

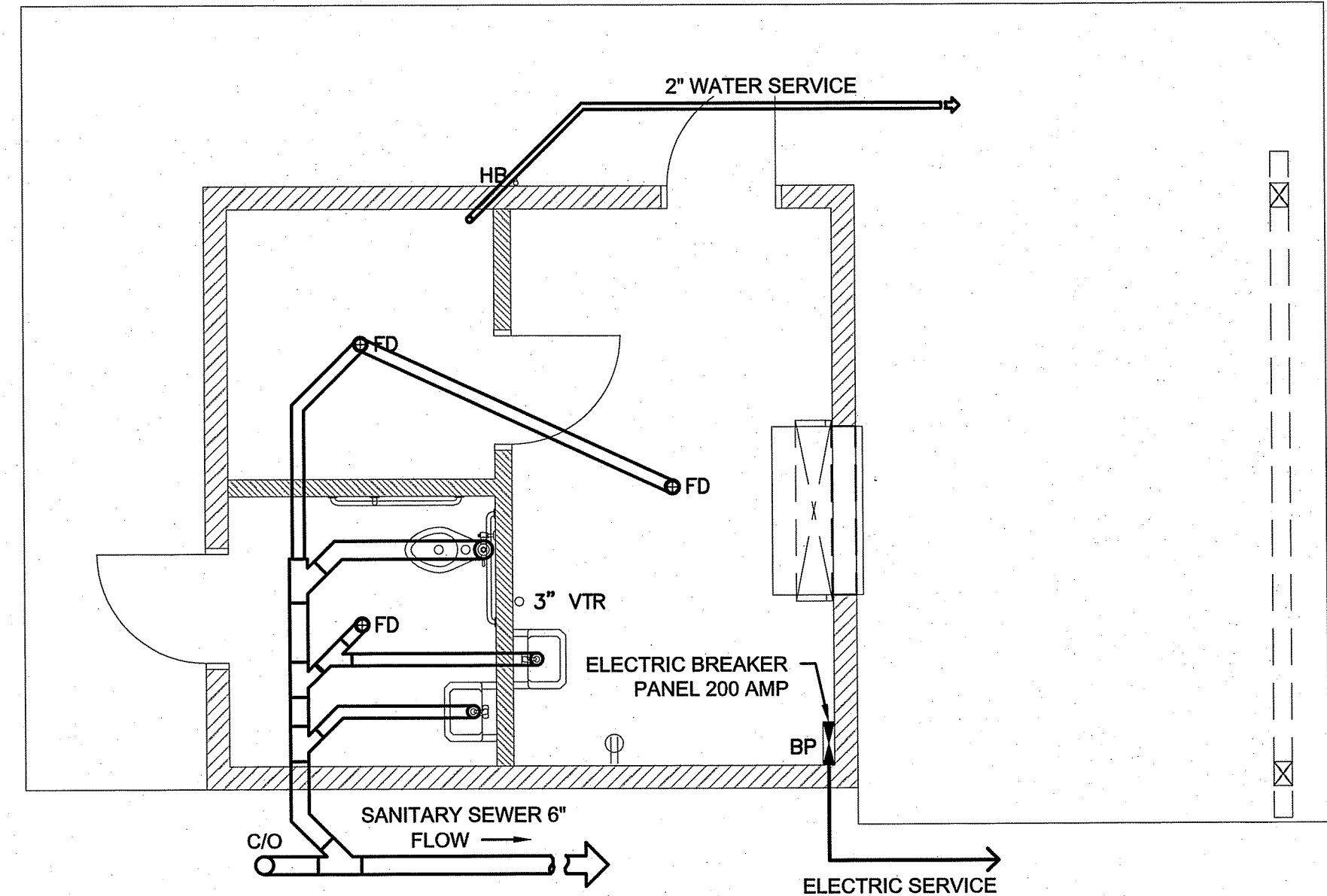
PROJECT NO. 970  
MODEL NO. 2032  
DATE: 10/04/18  
REVISIONS

DESIGNED BY: JS  
DRAWN BY: JS  
SHEET NO. 2



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED APR 19 2019 FILE # 1A-S0216  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

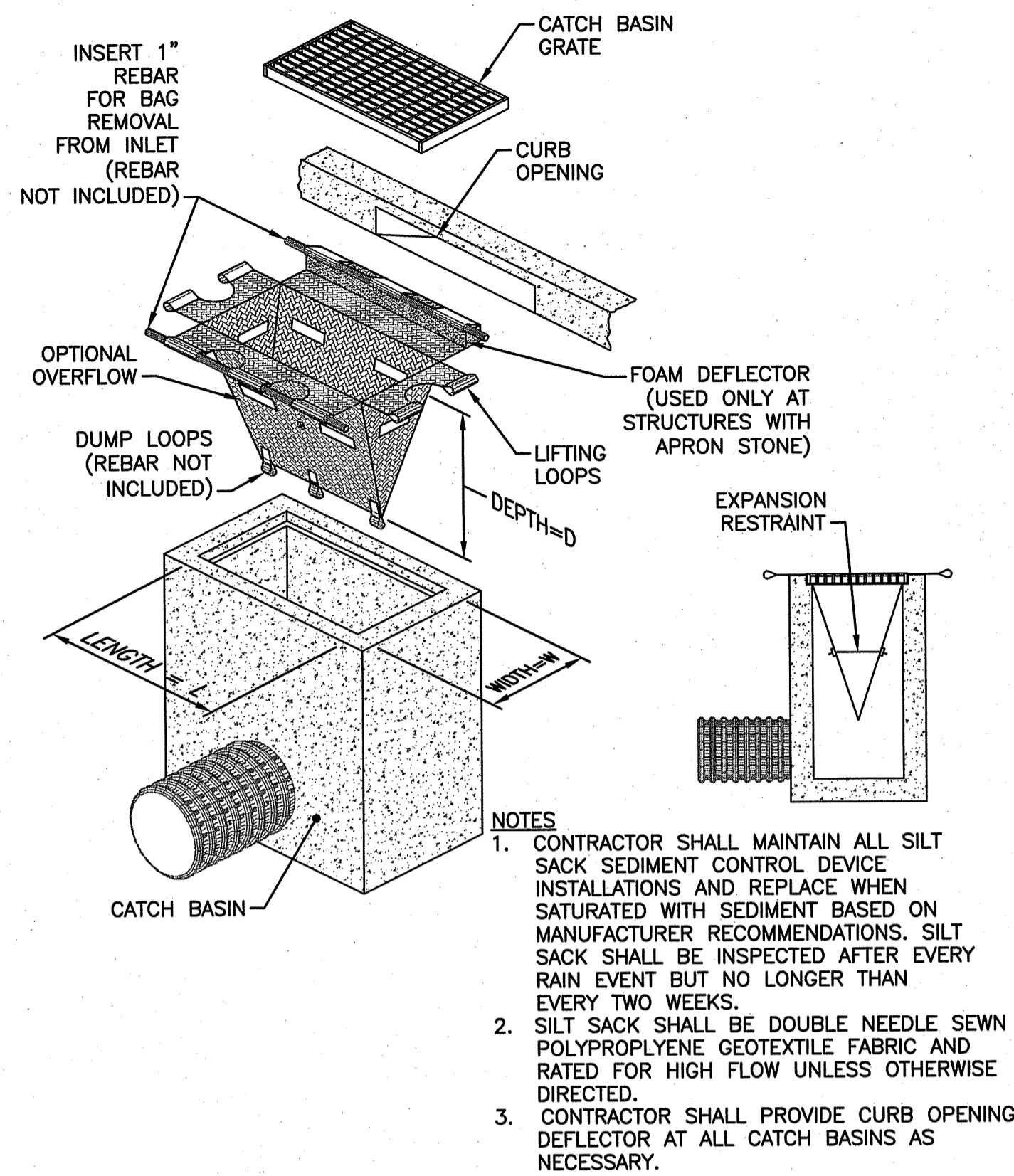
*Kevin M. Aguilar*



**1 DONIGIAN PARK PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"

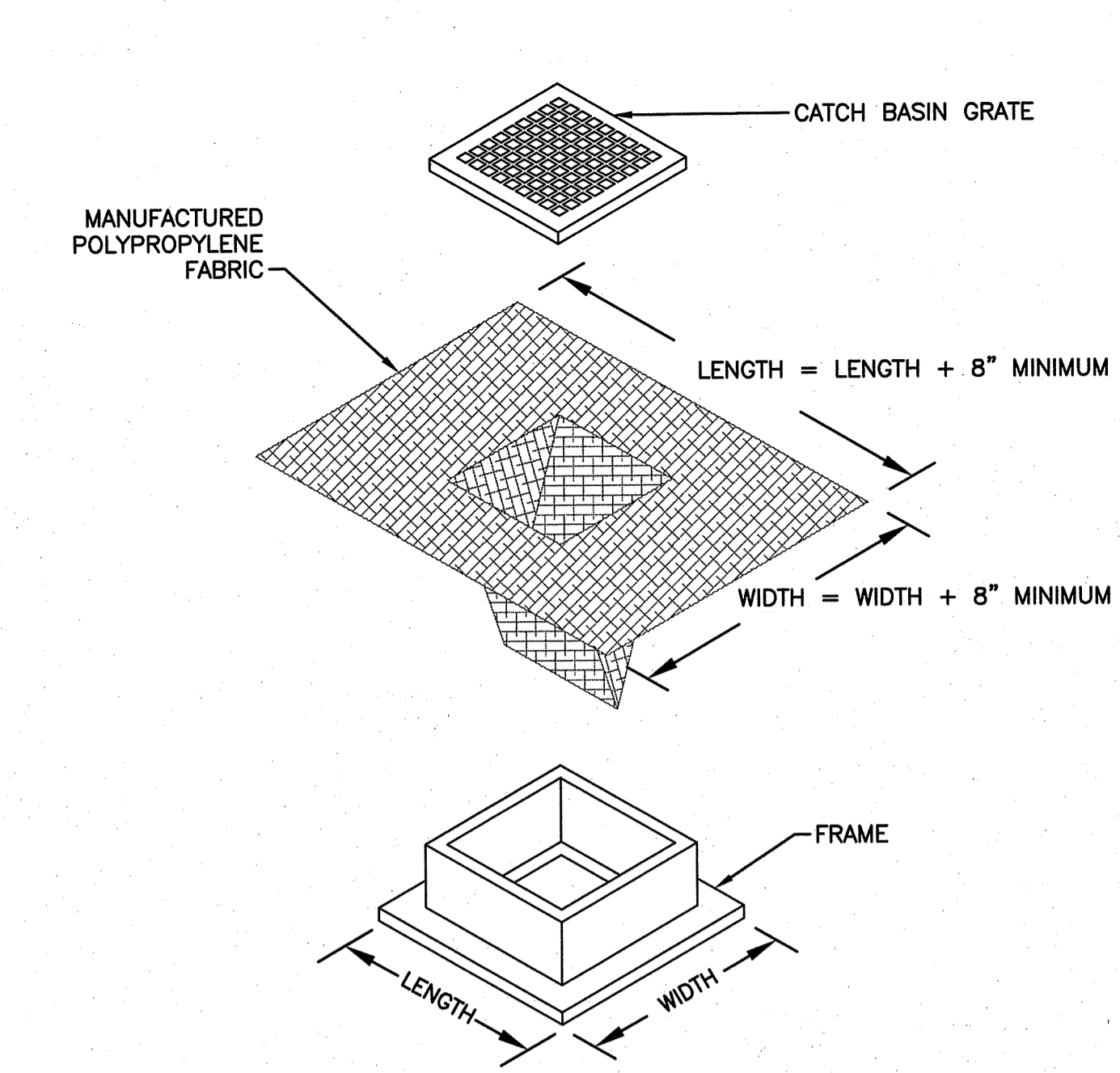
NOTES:  
1. FLOOR DRAINS AND SANITARY SEWER PIPING LAYOUT SHOWN IS APPROXIMATE. COORDINATE WITH BUILDING SUPPLIER THROUGH SHOP DRAWING PROCESS.

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS	DRAWN BY:	REGISTERED PROFESSIONAL:	PREPARED BY:	SUBCONSULTANT:	SCALE:	TITLE:	BETA JOB NO.:	ISSUE DATE:	SHEET NO.:
					CC/SD	KEVIN M. AGUIAR No. 6913 1-29-19 REGISTERED PROFESSIONAL ENGINEER CIVIL	<b>BETA</b> www.BETA-inc.com		AS SHOWN	<b>PROPOSED SITE IMPROVEMENTS FOR DONIGIAN PARK</b> PRE-ENGINEERED CONCESSION & RESTROOM BUILDING	6052	12/26/18	12 OF 13



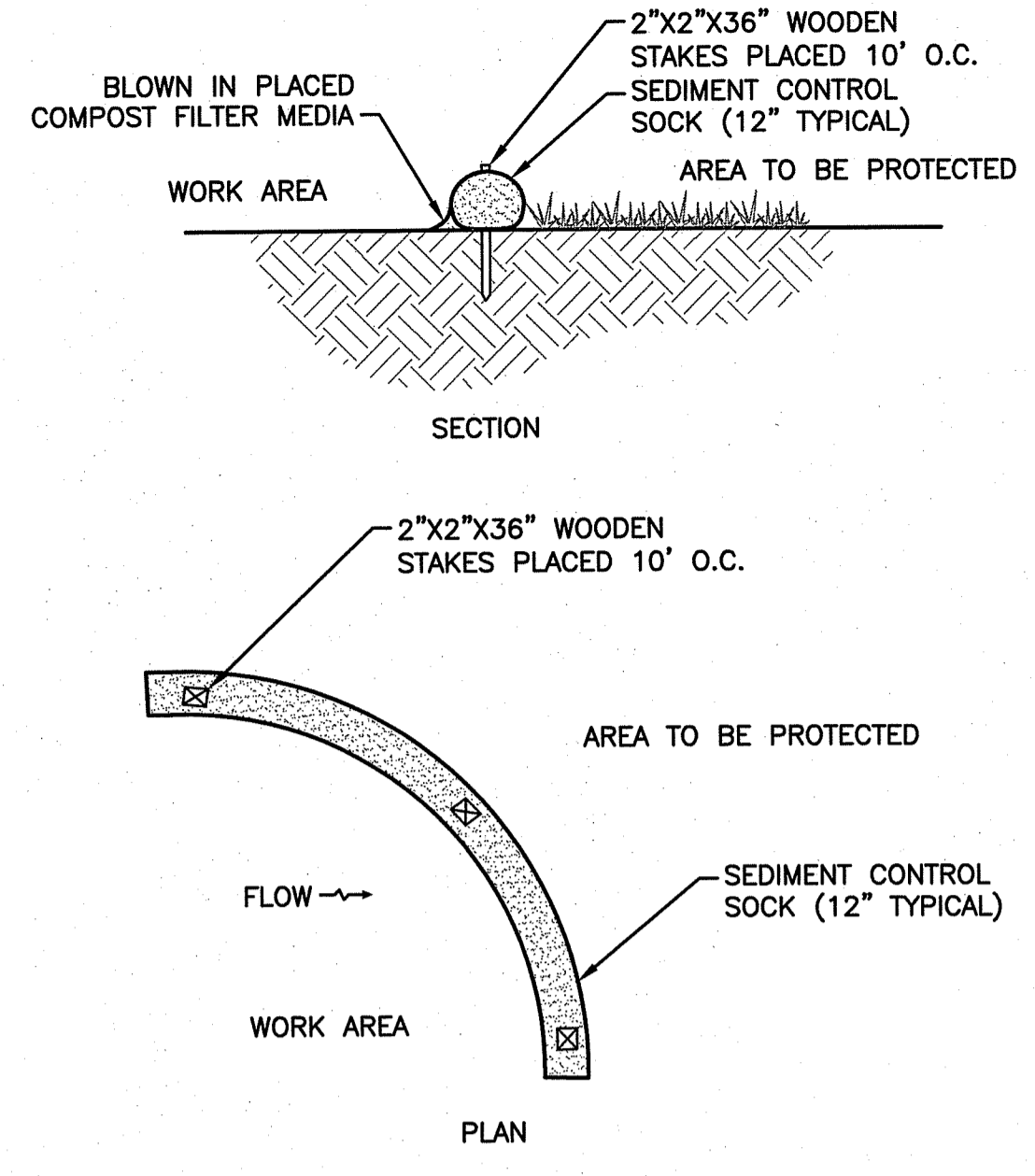
**INLET SEDIMENT CONTROL DEVICE (SILT SACK)  
(WITH OPTIONAL CURB DEFLECTOR)**

- NOTES**
1. CONTRACTOR SHALL MAINTAIN ALL SILT SACK SEDIMENT CONTROL DEVICE INSTALLATIONS AND REPLACE WHEN SATURATED WITH SEDIMENT BASED ON MANUFACTURER RECOMMENDATIONS. SILT SACK SHALL BE INSPECTED AFTER EVERY RAIN EVENT BUT NO LONGER THAN EVERY TWO WEEKS.
  2. SILT SACK SHALL BE DOUBLE NEEDLE SEWN POLYPROPYLENE GEOTEXTILE FABRIC AND RATED FOR HIGH FLOW UNLESS OTHERWISE DIRECTED.
  3. CONTRACTOR SHALL PROVIDE CURB OPENING DEFLECTOR AT ALL CATCH BASINS AS NECESSARY.



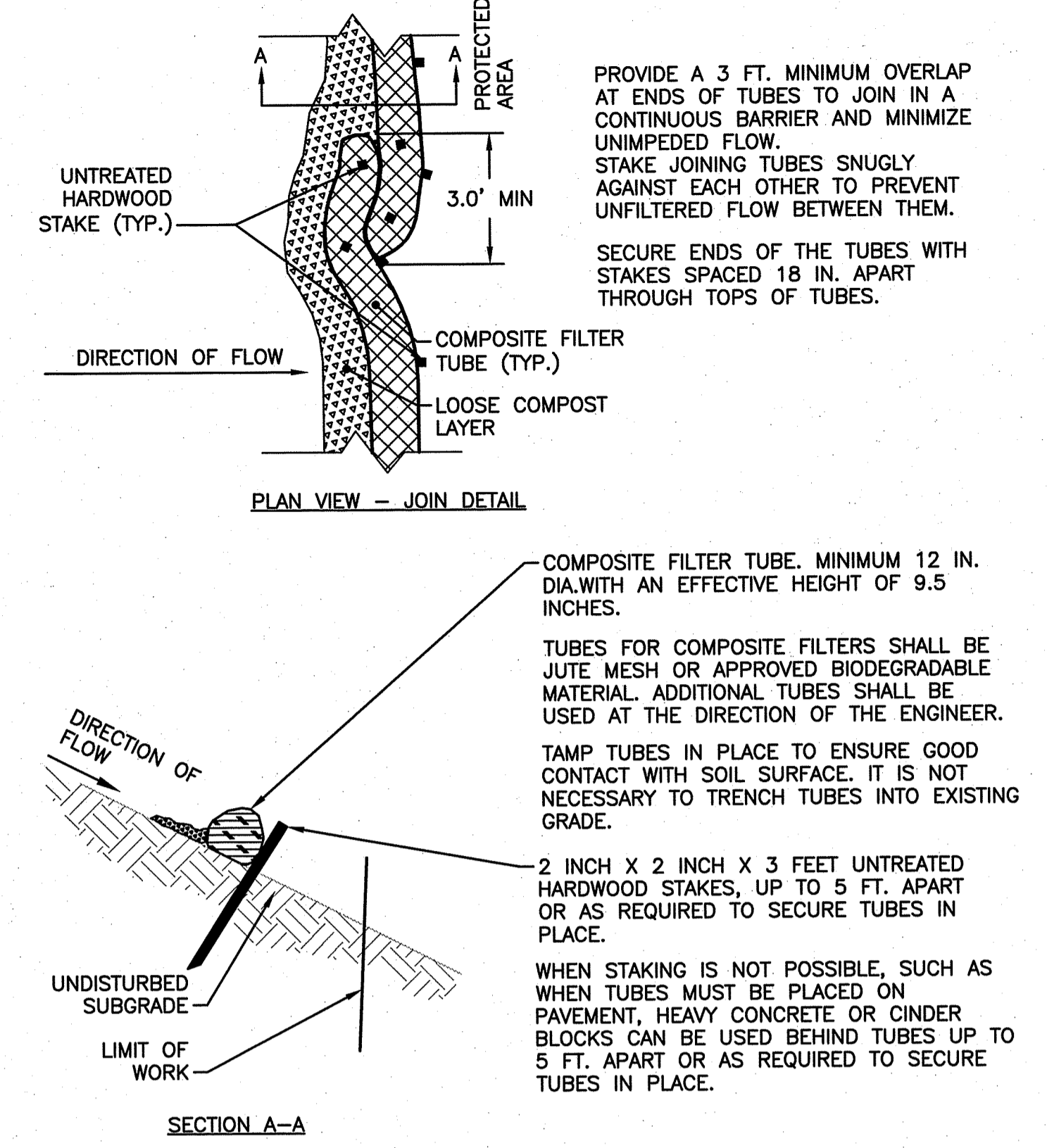
**TYPICAL CATCH BASIN EROSION CONTROL PROTECTION**  
NOT TO SCALE

- NOTES**
1. LENGTH AND WIDTH OF POLYPROPYLENE FABRIC MUST EXCEED EXISTING CATCH BASIN FRAME DIMENSIONS BY A MINIMUM OF 8".
  2. REMOVE CATCH BASIN GRATE AND INSTALL POLYPROPYLENE FABRIC OVER CATCH BASIN FRAME. REPLACE CATCH BASIN GRATE TO SECURE POLYPROPYLENE FABRIC IN PLACE.



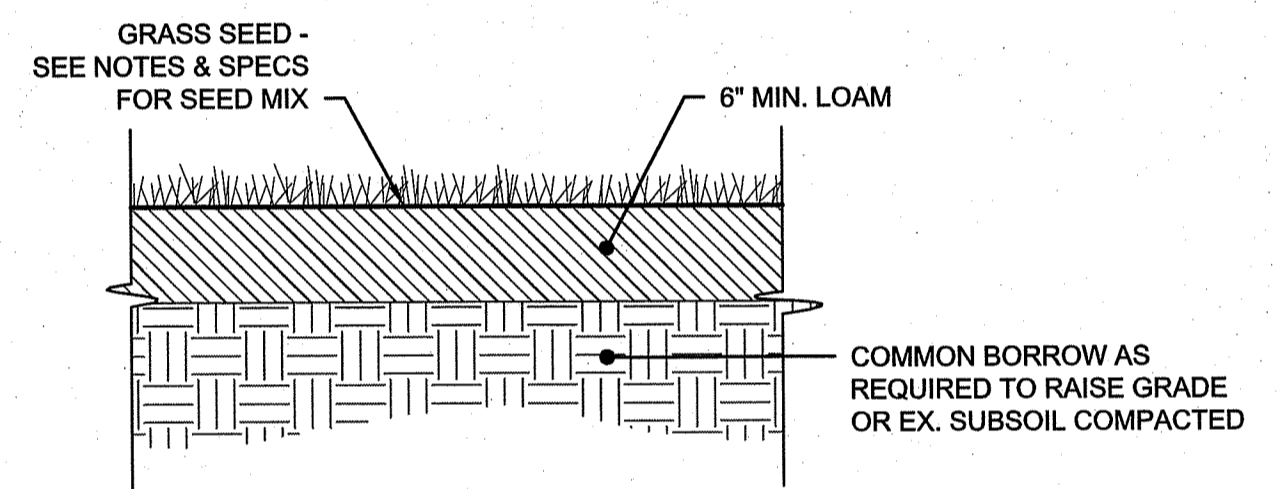
**COMPOST FILTER 'SOCK'**  
NOT TO SCALE

- CONSTRUCTION SPECIFICATIONS**
1. SOCKS SHALL BE PLACED IN A ROW WITH ENDS OVERLAPPING THE ADJACENT SOCK.
  2. SOCKS SHALL BE SECURELY ANCHORED IN PLACE BY STAKES DRIVEN THROUGH THE SOCKS.
  3. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  4. SOCKS SHALL BE REMOVED WHEN WORK IS COMPLETE AN THE AREA HAS STABILIZED.



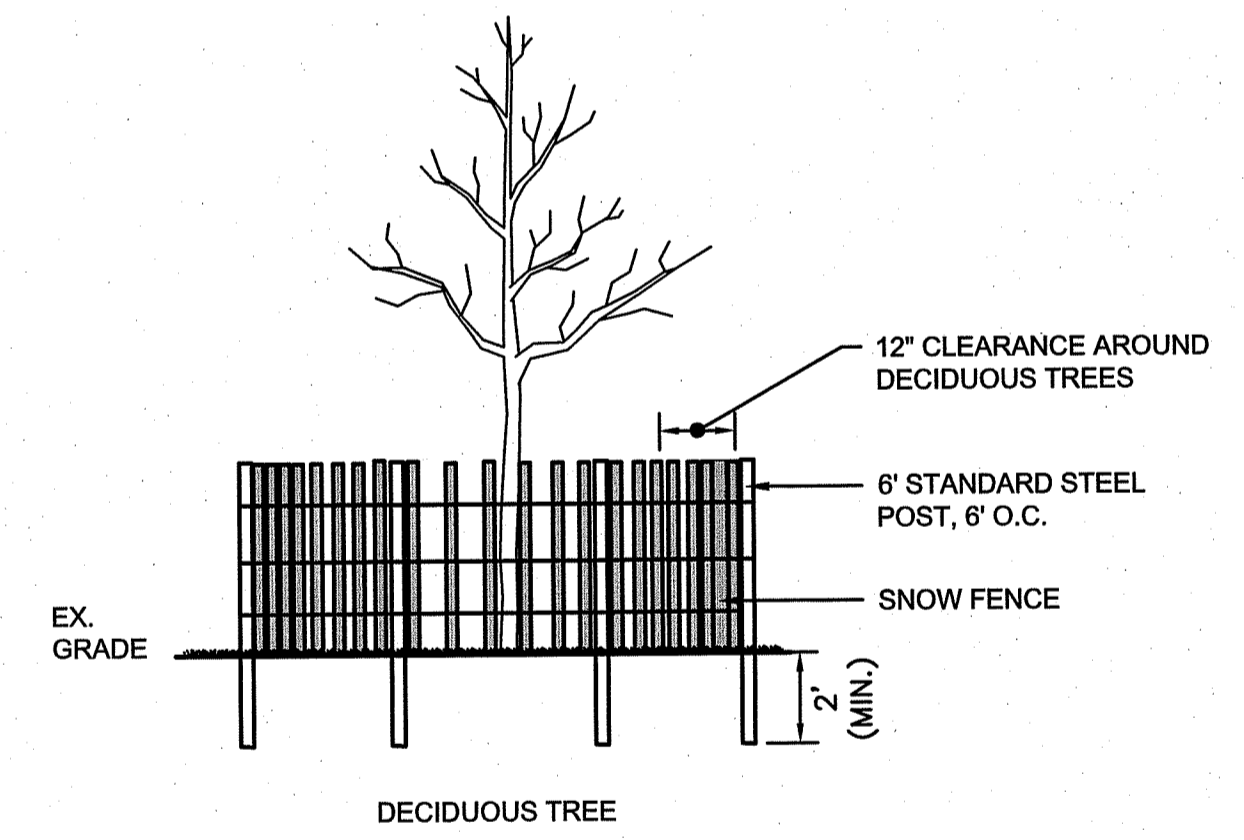
**COMPOST FILTER 'SOCK'**  
NOT TO SCALE

- PROVIDE A 3 FT. MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW. STAKE JOINING TUBES SNUGLY AGAINST EACH OTHER TO PREVENT UNFILTERED FLOW BETWEEN THEM.
- SECURE ENDS OF THE TUBES WITH STAKES SPACED 18 IN. APART THROUGH TOPS OF TUBES.
- COMPOSITE FILTER TUBE. MINIMUM 12 IN. DIA. WITH AN EFFECTIVE HEIGHT OF 9.5 INCHES.
- TUBES FOR COMPOSITE FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL. ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER.
- TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE. IT IS NOT NECESSARY TO TRENCH TUBES INTO EXISTING GRADE.
- 2 INCH X 2 INCH X 3 FEET UNTREATED HARDWOOD STAKES, UP TO 5 FT. APART OR AS REQUIRED TO SECURE TUBES IN PLACE.
- WHEN STAKING IS NOT POSSIBLE, SUCH AS WHEN TUBES MUST BE PLACED ON PAVEMENT, HEAVY CONCRETE OR CINDER BLOCKS CAN BE USED BEHIND TUBES UP TO 5 FT. APART OR AS REQUIRED TO SECURE TUBES IN PLACE.

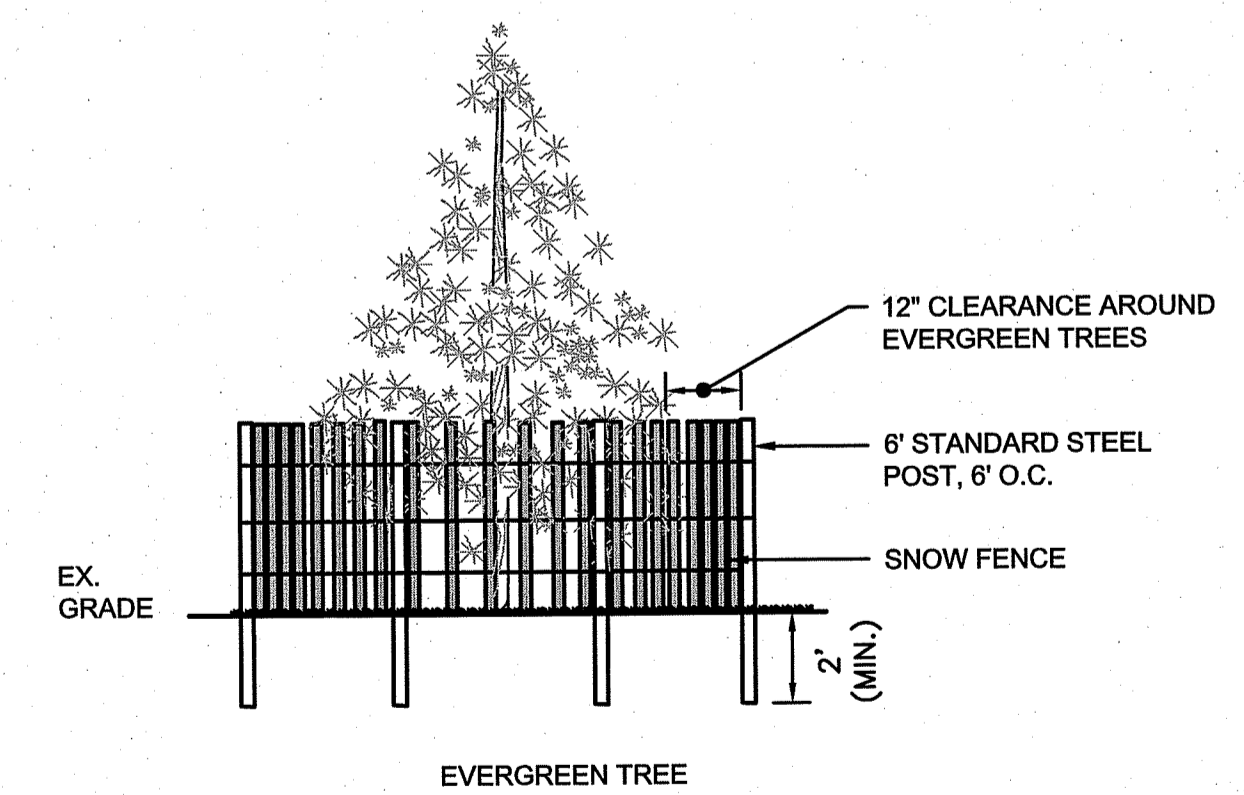


**LOAM AND SEED**  
NOT TO SCALE

NOTE: SEE SPECIFICATION SECTION 329205 - NEW ATHLETIC FIELD PREPARATION FOR SOIL & SEED FOR ATHLETIC FIELDS & RUN-OUTS, SEE SPECIFICATION SECTION 329210 - SOIL PREPARATION FOR LAWN AREAS FOR ALL OTHER AREAS.



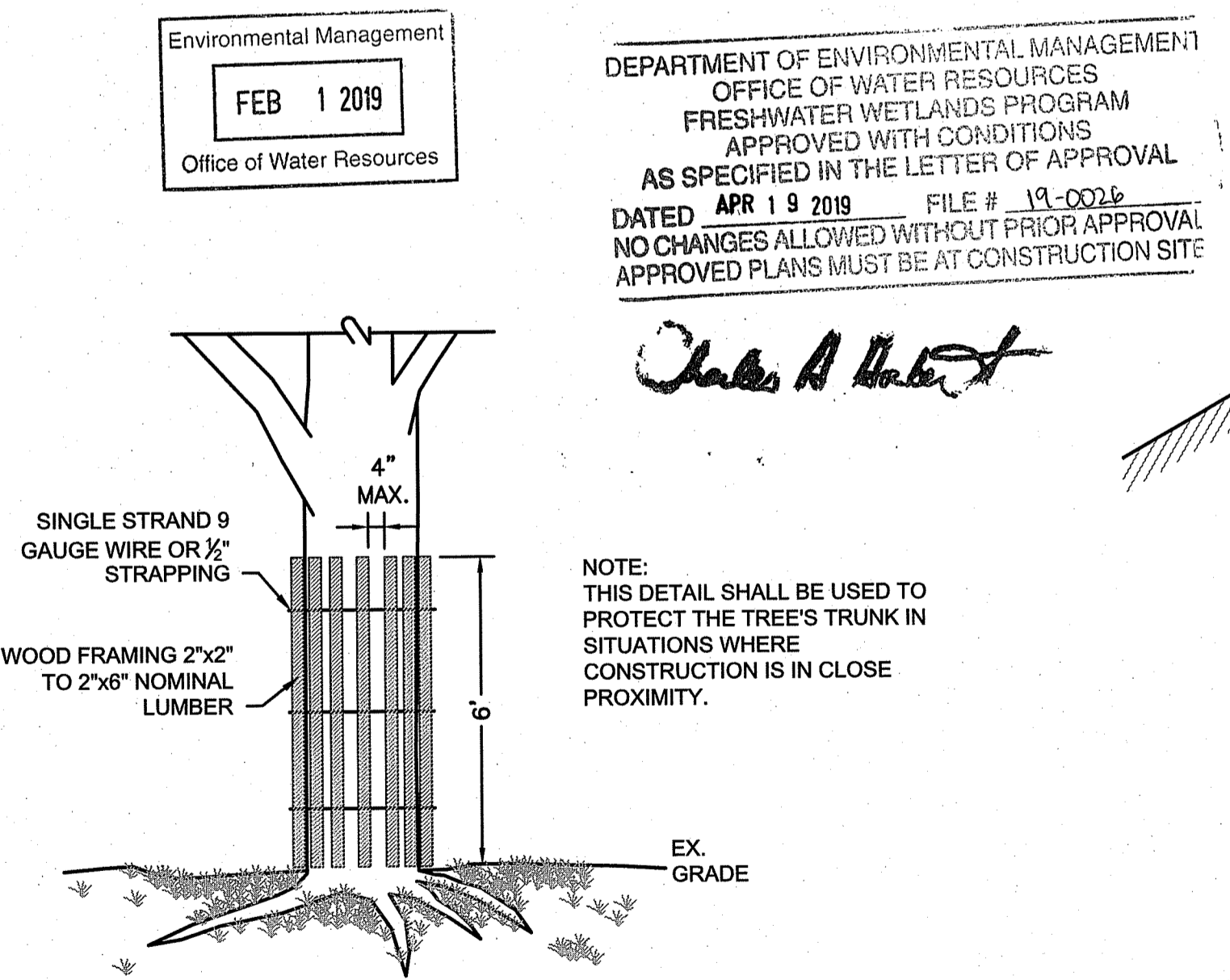
**DECIDUOUS TREE**



**EVERGREEN TREE**

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

**DRIPLINE TREE PROTECTION DEVICE**  
NOT TO SCALE



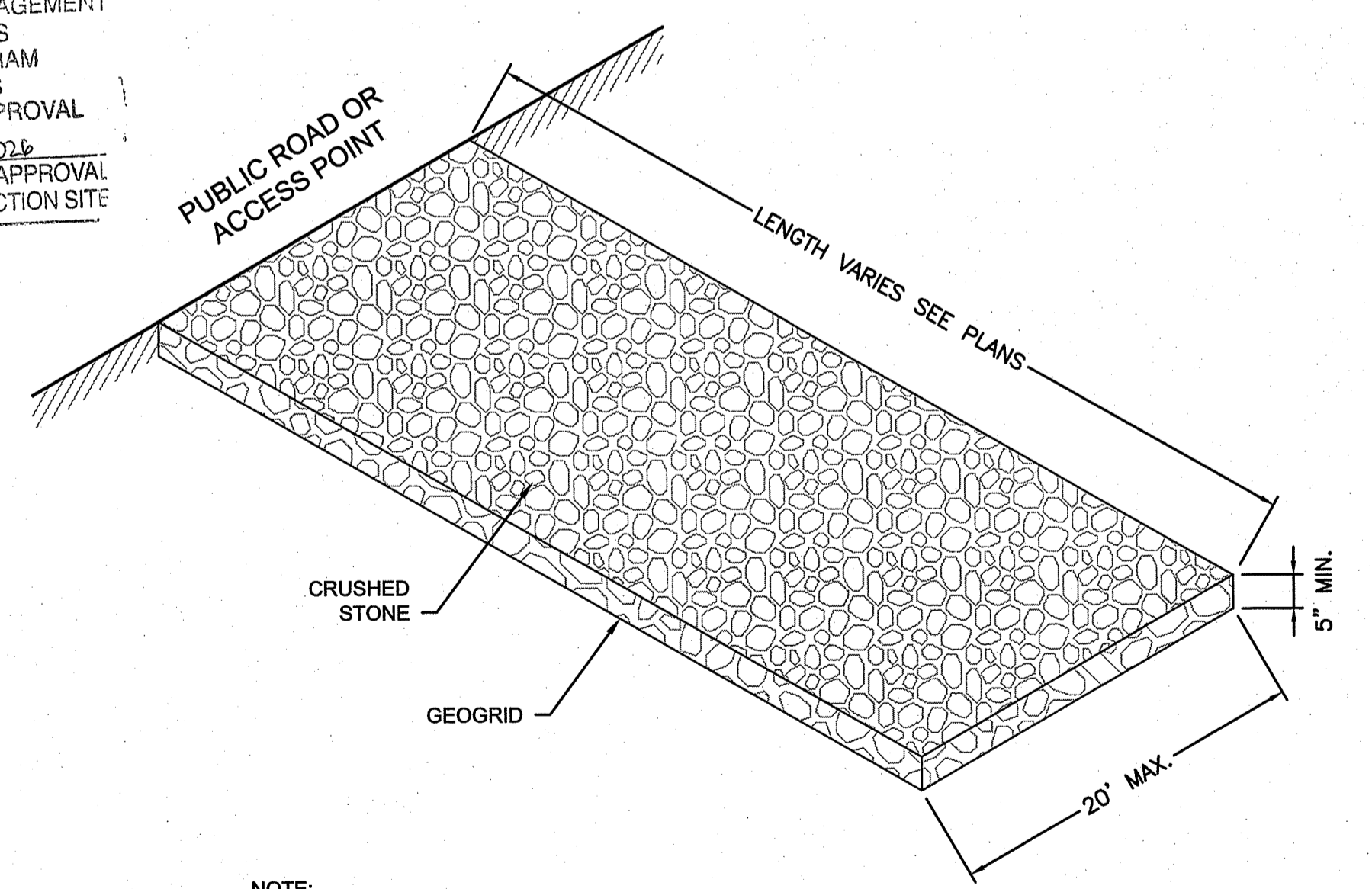
NOTE: SHALL BE IN ACCORDANCE WITH SECTION L.11 OF THE RI STANDARD SPECIFICATIONS.

**TREE TRUNK PROTECTION DEVICE**  
NOT TO SCALE

Environmental Management  
FEB 1 2019  
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 APR 19 2019 FILE # 19-0026  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Harte*



NOTE: SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE RI STANDARD SPECIFICATIONS.

**CONSTRUCTION ENTRANCE**  
NOT TO SCALE

G:\PLANNING\LANDSCAPE\60005\052 - PROVIDENCE PARKS\PERMITTING\RIDEM 2018-12-21 PLAN SET\DONIGIAN\605 SITE DETAILS.DWG (BETA STB BW. STB)

NUMBER	DATE	MADE BY	CHECKED BY	REVISIONS

DRAWN BY:  
CC/SD

DESIGNED BY:  
AG/SD

CHECKED BY:  
AG

REGISTERED PROFESSIONAL  
KEVIN M. AGUIAR  
No. 6913  
1-24-19  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL

PREPARED BY  
**BETA**  
www.BETA-Inc.com

SUBCONSULTANT

SCALE  
AS SHOWN

TITLE  
**PROPOSED SITE IMPROVEMENTS FOR  
DONIGIAN PARK  
SITE DETAILS**

BETA JOB NO. 6052  
ISSUE DATE 12/26/18  
SHEET NO. 13 OF 13  
**DE-L505**

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION