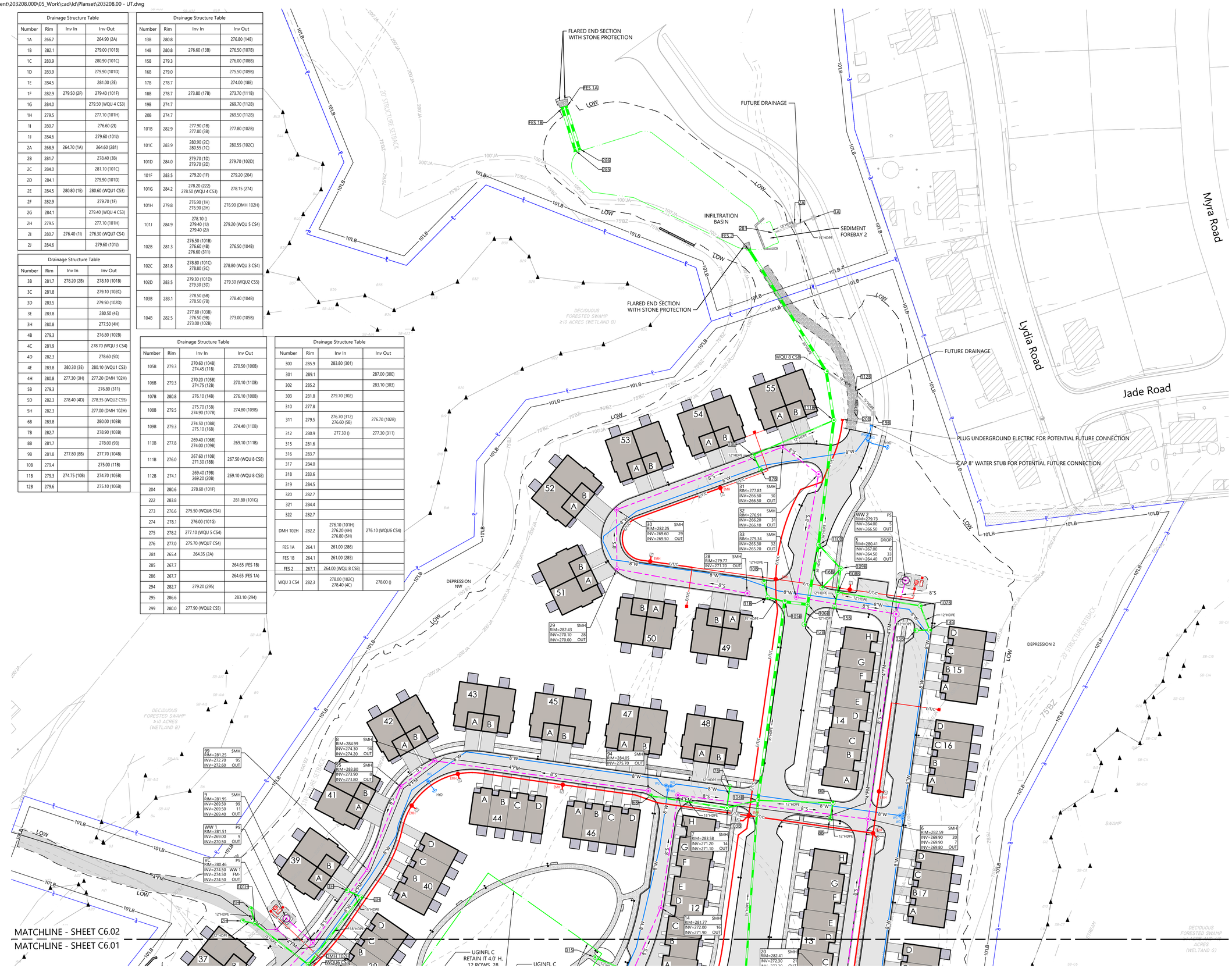
Drainage Structure Table			
Number	Rim	Inv In	Inv Out
1A	266.7		264.90 (2A)
1B	282.1		279.00 (101B)
1C	283.9		280.90 (101C)
1D	283.9		279.90 (101D)
1E	284.5		281.00 (2E)
1F	282.9	279.50 (2F)	279.40 (101F)
1G	284.0		279.50 (WQU 4 CS3)
1H	279.5		277.10 (101H)
1I	280.7		276.60 (2I)
1J	284.6		279.60 (101J)
2A	268.9	264.70 (1A)	264.60 (281)
2B	281.7		278.40 (3B)
2C	284.0		281.10 (101C)
2D	284.1		279.90 (101D)
2E	284.5	280.80 (1E)	280.60 (WQU1 CS3)
2F	282.9		279.70 (1F)
2G	284.1		279.40 (WQU 4 CS3)
2H	279.5		277.10 (101H)
2I	280.7	276.40 (1I)	276.30 (WQU7 CS4)
2J	284.6		279.60 (101J)

Drainage Structure Table			
Number	Rim	Inv In	Inv Out
3B	281.7	278.20 (2B)	278.10 (101B)
3C	281.8		279.10 (102C)
3D	283.5		279.50 (102D)
3E	283.8		280.50 (4E)
3H	280.8		277.50 (4H)
4B	279.3		276.80 (102B)
4C	281.9		278.70 (WQU 3 CS4)
4D	282.3		278.60 (5D)
4E	283.8	280.30 (3E)	280.10 (WQU1 CS3)
4H	280.8	277.30 (3H)	277.20 (DMH 102H)
5B	279.3		276.80 (311)
5D	282.3	278.40 (4D)	278.35 (WQU2 CS5)
5H	282.3		277.00 (DMH 102H)
6B	283.8		280.00 (103B)
7B	282.7		278.90 (103B)
8B	281.7		278.00 (9B)
9B	281.8	277.80 (8B)	277.70 (104B)
10B	279.4		275.00 (11B)
11B	279.3	274.75 (10B)	274.70 (105B)
12B	279.6		275.10 (106B)

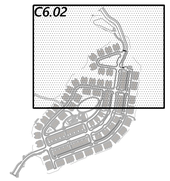
Drainage Structure Table			
Number	Rim	Inv In	Inv Out
13B	280.8		276.80 (14B)
14B	280.8	276.60 (13B)	276.50 (107B)
15B	279.3		276.00 (108B)
16B	279.0		275.50 (109B)
17B	278.7		274.00 (18B)
18B	278.7	273.80 (17B)	273.70 (111B)
19B	274.7		269.70 (112B)
20B	274.7		269.50 (112B)
101B	282.9	277.90 (1B) 277.80 (3B)	277.80 (102B)
101C	283.9	280.90 (2C) 280.55 (1C)	280.55 (102C)
101D	284.0	279.70 (1D) 279.70 (2D)	279.70 (102D)
101F	283.5	279.20 (1F)	279.20 (204)
101G	284.2	278.20 (222) 278.50 (WQU 4 CS3)	278.15 (274)
101H	279.8	276.90 (1H) 276.90 (2H)	276.90 (DMH 102H)
101J	284.9	278.10 () 279.40 (1J) 279.40 (2J)	279.20 (WQU 5 CS4)
102B	281.3	276.50 (101B) 276.60 (4B) 276.60 (311)	276.50 (104B)
102C	281.8	278.80 (101C) 278.80 (3C)	278.80 (WQU 3 CS4)
102D	283.5	279.30 (101D) 279.30 (3D)	279.30 (WQU2 CS5)
103B	283.1	278.50 (6B) 278.50 (7B)	278.40 (104B)
104B	282.5	277.60 (103B) 276.50 (9B) 273.00 (102B)	273.00 (105B)

Drainage Structure Table			
Number	Rim	Inv In	Inv Out
105B	279.3	270.60 (104B) 274.45 (11B)	270.50 (106B)
106B	279.3	270.20 (105B) 274.75 (12B)	270.10 (110B)
107B	280.8	276.10 (14B)	276.10 (108B)
108B	279.5	275.70 (15B) 274.90 (107B)	274.80 (109B)
109B	279.3	274.50 (108B) 275.10 (16B)	274.40 (110B)
110B	277.8	269.40 (106B) 274.00 (109B)	269.10 (111B)
111B	276.0	267.60 (110B) 271.30 (18B)	267.50 (WQU 8 CS8)
112B	274.1	269.40 (19B) 269.20 (20B)	269.10 (WQU 8 CS8)
204	280.6	278.60 (101F)	
222	283.8		281.80 (101G)
273	276.6	275.50 (WQU6 CS4)	
274	278.1	276.00 (101G)	
275	278.2	277.10 (WQU 5 CS4)	
276	277.0	275.70 (WQU7 CS4)	
281	265.4	264.35 (2A)	
285	267.7		264.65 (FES 1B)
286	267.7		264.65 (FES 1A)
294	282.7	279.20 (295)	
295	286.6		283.10 (294)
299	280.0	277.90 (WQU2 CS5)	

Drainage Structure Table			
Number	Rim	Inv In	Inv Out
300	285.9	283.80 (301)	
301	289.1		287.00 (300)
302	285.2		283.10 (303)
303	281.8	279.70 (302)	
310	277.8		
311	279.5	276.70 (312) 276.60 (5B)	276.70 (102B)
312	280.9	277.30 ()	277.30 (311)
315	281.6		
316	283.7		
317	284.0		
318	283.6		
319	284.5		
320	282.7		
321	284.4		
322	282.7		
DMH 102H	282.2	276.10 (101H) 276.20 (4H) 276.80 (5H)	276.10 (WQU6 CS4)
FES 1A	264.1	261.00 (286)	
FES 1B	264.1	261.00 (285)	
FES 2	267.1	264.00 (WQU 8 CS8)	
WQU 3 CS4	282.3	278.00 (102C) 278.40 (4C)	278.00 ()



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Key

Not To Scale

0 25 50 100Feet

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by	Checked by
AL	JR

Issued for

Permits

Date

October 2, 2026

Not Approved for Construction

Drawing Title

Utility Plan

JOSHUA A. LUCCHETTI
No. 9974
10/2/2026
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Drawing Number

C6.02

Sheet

9 of 24

Project Number

203208.00

General

1. CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
3. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 4 INCHES LOAM AND SEED.
4. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
5. 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.
6. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
7. CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
8. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
9. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE RIPDES CONSTRUCTION GENERAL PERMIT (CGP) PROGRAM AND RIDEM JURISDICTION. PRIOR TO THE START OF CONSTRUCTION CONTRACTOR IS TO FILE A NOTICE OF INTENT WITH THE RIDEM AND PREPARE AND MAINTAIN A SOIL EROSION AND SEDIMENTATION PLAN IN ACCORDANCE WITH THE RIPDES REGULATIONS.
10. STAGING AND STOCKPILE AREAS SHALL NOT BE LOCATED WITHIN ANY WETLAND AND ABUTTING RESOURCE AREA AND SHALL BE LOCATED WITHIN THE LOD.
11. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND INSTALLING THE FOLLOWING ITEMS ON SITE AND REDLINING THE PLAN FOR RECORD KEEPING PURPOSES AS REQUIRED BY THE RIPDES PERMIT:
    a. BUILDING MATERIALS STAGING AREAS
    b. STOCKPILE AREAS. EROSION CONTROLS SHALL BE PLACED AT THE BASE OF ALL STOCKPILES
    c. DESIGNATED WASHOUT AND REFUELING AREAS.
    d. TEMPORARY SEDIMENT BASIN AREAS.
12. THE EROSION CONTROL MEASURES ON THIS PLAN SHOW TYPICAL APPLICATIONS TO PREVENT SEDIMENTATION AND EROSION AND ARE PROVIDED AS A STARTING POINT FOR THE CONTRACTOR'S SOIL EROSION AND SEDIMENT CONTROL PLAN.

Erosion Control

1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
2. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES DAILY, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.
6. A CROSS SLOPE SHALL BE PLACED ON THE STABILIZED CONSTRUCTION EXIT TO DIRECT RUNOFF TO AN ONSITE SETTLING AREA. IF DEEMED NECESSARY AFTER CONSTRUCTION BEGINS, A WASH PAD MAY BE INCLUDED TO WASH OFF VEHICLE WHEELS BEFORE LEAVING THE PROJECT SITE.
7. TEMPORARY SEDIMENT BASINS WILL BE DESIGNED EITHER AS EXCAVATIONS OR BERMED STORMWATER DETENTION STRUCTURES THAT WILL RETAIN RUNOFF FOR A SUFFICIENT PERIOD OF TIME TO ALLOW SUSPENDED SOIL PARTICLES TO SETTLE OUT PRIOR TO DISCHARGE. BASINS WILL BE LOCATED AS DETERMINED BY THE CONTRACTOR BASED ON CONSTRUCTION NEEDS. POINT OF DISCHARGE FROM SEDIMENT BASINS WILL BE STABILIZED TO MINIMIZE EROSION.
8. VEGETATIVE SLOPE STABILIZATION WILL BE IMPLEMENTED WITHIN 14 DAYS AFTER GRADING OR CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. VEGETATIVE SLOPE STABILIZATION WILL BE USED TO MINIMIZE EROSION ON SLOPES OF 3:1 OR STEEPER. ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER MAY BE ESTABLISHED BY HYDRO-SEEDING OR SODDING. A SUITABLE TOPSOIL, GOOD SEEDBED PREPARATION, AND ADEQUATE LIME, FERTILIZER AND WATER WILL BE PROVIDED FOR EFFECTIVE ESTABLISHMENT OF THESE VEGETATIVE STABILIZATION METHODS. MULCH WILL ALSO BE USED AFTER PERMANENT SEEDING TO PROTECT SOIL FROM THE IMPACT OF FALLING RAIN AND TO INCREASE THE CAPACITY OF THE SOIL TO ABSORB WATER.
9. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER CLEARING, GRADING, EXCAVATION OR OTHER EARTH DISTURBANCE ACTIVITIES ARE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT BE RESUMED FOR A PERIOD EXCEEDING FOURTEEN (14) CALENDAR DAYS. STABILIZATION MUST BE COMPLETED USING VEGETATIVE STABILIZATION MEASURES WHERE POSSIBLE.
10. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15TH SHALL BE SEEDED BY THAT DATE. ANY SUCH AREAS WHICH DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION BY NOVEMBER 15TH MUST BE STABILIZED THROUGH THE USE OF NON-VEGETATIVE EROSION CONTROL MEASURES. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15TH TO APRIL 15TH CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THE DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE STABILIZED WITHIN FIVE (5) WORKING DAYS.
11. THE SOIL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) CONTAINED ON THE SITE DRAWINGS ARE THE MINIMUM REQUIRED BY THE RHODE ISLAND POLLUTION DISCHARGE ELIMINATION SYSTEM (RIPDES) PROGRAM. THE CONTRACTOR IS REQUIRED TO PROVIDE ADDITIONAL BMPS TO PREVENT POLLUTION FROM STORM WATER DISCHARGES LEAVING THE WORK SITE OR ENTERING WETLANDS IN COMPLIANCE WITH THE RIPDES GENERAL PERMIT AND ALL OTHER LOCAL, STATE AND FEDERAL REQUIREMENTS.

Infiltration Basin Protection During Construction

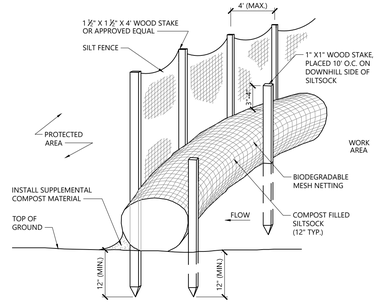
FOR THE LONG-TERM FUNCTION OF THE INFILTRATION SYSTEM CARE MUST BE TAKEN IN THIS AREA DURING CONSTRUCTION. THE CONTRACTOR SHALL EMPLOY THE FOLLOWING MINIMUM BEST MANAGEMENT PRACTICES (BMPs):

1. THESE AREAS SHALL NOT BE USED AS CONSTRUCTION SEDIMENTATION SYSTEMS.
2. INITIAL BASIN EXCAVATION SHOULD BE CARRIED TO WITHIN 1 FOOT OF THE FINAL ELEVATION OF THE BASIN FLOOR. FINAL EXCAVATION SHOULD BE DEFERRED UNTIL ALL DISTURBED AREAS CONTRIBUTING TO THE BASIN HAVE BEEN STABILIZED OR PROTECTED. PRIOR TO FINAL EXCAVATION, REMOVE ALL ACCUMULATED SEDIMENT.
3. CONSTRUCTION EQUIPMENT, VEHICULAR, AND STOCKPILING OF CONSTRUCTION AND EARTH MATERIALS SHALL BE OUTSIDE THE LIMITS OF THESE AREAS. THE SUBGRADE BENEATH SHALL NOT BE COMPACTED.
4. EXCAVATION FOR CONSTRUCTION OF THESE SYSTEMS SHALL BE PERFORMED MANUALLY OR BY LIGHT-TRACKED EQUIPMENT TO AVOID COMPACTION OF THE BASIN FLOOR.
5. THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AROUND THE PERIMETER OF THE SYSTEMS TO PREVENT THE USE OF THESE AREAS FOR ALL ACTIVITIES THAT MIGHT DAMAGE THE INFILTRATION CAPABILITIES. THE FENCING MAY BE REMOVED FOR BACKFILLING AND FINAL CONSTRUCTION.
6. IF THE SOIL WITHIN THE INFILTRATION BASIN AREA BECOMES COMPACTED IT MUST BE SUITABLY AMENDED, TILLED, AND RE-VEGETATED ONCE CONSTRUCTION IS COMPLETE TO RESTORE INFILTRATION CAPACITY.

Erosion Control Maintenance Requirements

SITE OWNERS AND OPERATORS MUST ENSURE THAT ALL EROSION, RUNOFF, SEDIMENT, AND POLLUTION PREVENTION CONTROLS REMAIN IN EFFECTIVE OPERATING CONDITION AND ARE PROTECTED FROM ACTIVITIES THAT WOULD REDUCE THEIR EFFECTIVENESS. SITE OWNERS AND OPERATORS MUST ALSO ENSURE THAT ALL EROSION, RUNOFF, SEDIMENT, AND POLLUTION PREVENTION CONTROLS ARE INSPECTED AT THE REQUIRED FREQUENCY REQUIREMENTS LISTED BELOW. IF THE DESIGNATED SITE INSPECTOR FINDS A PROBLEM (I.E. EROSION, RUNOFF, SEDIMENT OR POLLUTION PREVENTION CONTROLS REQUIRE REPLACEMENT, REPAIR, OR MAINTENANCE), THE OWNER AND OPERATOR MUST ENSURE THAT THE NECESSARY REPAIRS OR MODIFICATIONS ARE MADE IN ACCORDANCE WITH THE FOLLOWING:

1. INITIATE WORK TO FIX THE PROBLEM IMMEDIATELY AFTER DISCOVERING THE PROBLEM, AND COMPLETE SUCH WORK BY THE CLOSE OF THE NEXT WORK DAY, IF THE PROBLEM DOES NOT REQUIRE SIGNIFICANT REPAIR OR REPLACEMENT, OR IF THE PROBLEM CAN BE CORRECTED THROUGH ROUTINE MAINTENANCE.
2. WHEN INSTALLATION OF A NEW CONTROL OR A SIGNIFICANT REPAIR IS NEEDED, SITE OWNERS AND OPERATORS MUST ENSURE THAT THE NEW OR MODIFIED CONTROL PRACTICE IS INSTALLED AND MADE OPERATIONAL BY NO LATER THAN SEVEN (7) CALENDAR DAYS FROM THE TIME OF DISCOVERY WHERE FEASIBLE. IF IT IS INFEASIBLE TO COMPLETE THE INSTALLATION OR REPAIR WITHIN SEVEN (7) CALENDAR DAYS, THE REASONS WHY IT IS INFEASIBLE MUST BE DOCUMENTED IN THE SESC PLAN ALONG WITH THE SCHEDULE FOR INSTALLING THE STORMWATER CONTROL(S) AND MAKING IT OPERATIONAL AS SOON AS PRACTICABLE AFTER THE 7-DAY TIMEFRAME. WHERE THESE ACTIONS RESULT IN CHANGES TO ANY OF THE STORMWATER CONTROL MEASURES OUTLINED IN THE SESC PLAN, SITE OWNERS AND OPERATORS MUST MODIFY THE SESC PLAN ACCORDINGLY WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETING THIS WORK IN ACCORDANCE WITH THE FOLLOWING:
    a. THE OWNER AND OPERATOR SHALL AMEND THE SESC PLAN WITHIN SEVEN (7) DAYS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, MAINTENANCE OR OTHER PROCEDURE WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS, OR IF THE SESC PLAN PROVES TO BE INEFFECTIVE IN ACHIEVING ITS OBJECTIVES. IN ADDITION, THE SESC PLAN SHALL BE AMENDED TO IDENTIFY ANY NEW OPERATOR THAT WILL IMPLEMENT A COMPONENT OF THE SESC PLAN. THE AMENDED SESC PLAN MUST BE KEPT ON FILE AT THE CONSTRUCTION SITE AND ANY SESC PLAN MODIFICATIONS MUST BE DOCUMENTED. ANY AMENDMENTS TO CONTROL MEASURES WHICH INVOLVED THE PRACTICE OF ENGINEERING, MUST FIRST BE REVIEWED, SIGNED, AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND.
3. IF CORRECTIVE ACTIONS ARE REQUIRED, THE SITE OWNER AND OPERATOR MUST ENSURE THAT ALL CORRECTIVE ACTIONS ARE DOCUMENTED ON THE INSPECTION REPORT IN WHICH THE PROBLEM WAS FIRST DISCOVERED. THESE CORRECTIVE ACTIONS MUST BE DOCUMENTED, SIGNED, AND DATED BY THE SITE OPERATOR ONCE ALL NECESSARY REPAIRS HAVE BEEN COMPLETED.
4. SOIL EROSION AND SEDIMENT CONTROL INSPECTION REQUIREMENTS
MINIMUM FREQUENCY - EACH OF THE FOLLOWING AREAS MUST BE INSPECTED BY OR UNDER THE SUPERVISION OF THE OWNER AND OPERATOR AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY FOUR (24) HOURS AFTER ANY STORM EVENT WHICH GENERATES AT LEAST 0.25 INCHES OF RAINFALL PER TWENTY-FOUR (24) HOUR PERIOD AND/OR AFTER A SIGNIFICANT AMOUNT OF RUNOFF:
    a. ALL AREAS THAT HAVE BEEN CLEARED, GRADED, OR EXCAVATED AND THAT HAVE NOT YET COMPLETED STABILIZATION;
    b. ALL STORMWATER EROSION, RUNOFF, AND SEDIMENT CONTROL MEASURES (INCLUDING POLLUTION PREVENTION PRACTICES) INSTALLED AT THE SITE TO COMPLY WITH THIS PERMIT;
    c. CONSTRUCTION MATERIAL, UNSTABILIZED SOIL STOCKPILES, WASTE, BORROW, OR EQUIPMENT STORAGE, AND MAINTENANCE AREAS THAT ARE COVERED BY THIS PERMIT AND ARE EXPOSED TO PRECIPITATION;
    d. ALL AREAS WHERE STORMWATER TYPICALLY FLOWS WITHIN THE SITE, INCLUDING TEMPORARY DRAINAGE WAYS DESIGNED TO DIVERT, CONVEY, AND/OR TREAT STORMWATER;
    e. ALL POINTS OF DISCHARGE FROM THE SITE;
    f. ALL LOCATIONS WHERE TEMPORARY OR PERMANENT SOIL STABILIZATION MEASURES HAVE BEEN IMPLEMENTED.
    g. ALL LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

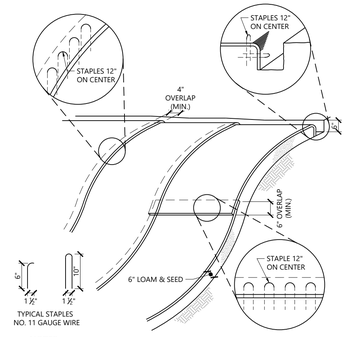


NOTES

1. SILTSOCK SHALL BE FILTREXX SILTSOXX, OR APPROVED EQUAL.
2. SILTSOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. SILTSOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. UPON SITE STABILIZATION, COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

Siltsock / Silt Fence Barrier — 10/20

N.T.S. Source: VHB LD_658-A

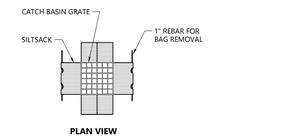


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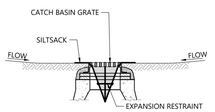
1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE UPPER BLANKET END OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.
5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 3:1.

Erosion Control Blanket Slope Installation — 1/16

N.T.S. Source: VHB LD_680



PLAN VIEW



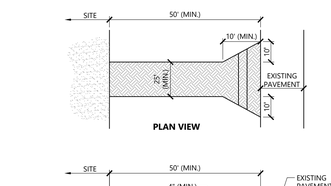
SECTION VIEW

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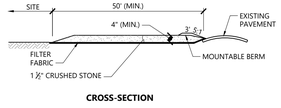
1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILTSACK.
3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

Siltsack Sediment Trap — 1/16

N.T.S. Source: VHB LD_674



PLAN VIEW



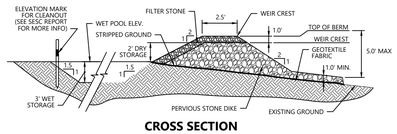
CROSS-SECTION

NOTES

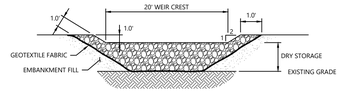
1. EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

Stabilized Construction Exit — 1/16

N.T.S. Source: VHB LD_682



CROSS SECTION



WEIR CREST

NOTES

1. TEMPORARY SEDIMENT TRAP SHALL CONFORM TO THE REQUIREMENTS OF THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
2. UNDER NO CIRCUMSTANCES SHALL THE GEOTEXTILE FABRIC OR ANY SEDIMENT DEPOSITED THEREON BE LEFT IN PLACE AFTER THE REMOVAL OF THE TEMPORARY SEDIMENT BASIN.

Temporary Sediment Trap

N.T.S.

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401.272.8100

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by: AL
Checked by: JR

Issued for

Permits

Date

October 2, 2026

Not Approved for Construction

Drawing Title

Erosion and Sediment Control Plan- General Notes and Details



Drawing Number
C7.00

Sheet
10 of 24

Project Number
203208.00

Saved Friday, October 2, 2026 12:04:51 PM GSTABACH Plotted Friday, October 2, 2026 5:03:11 PM Antonio Lucchetti

DECIDUOUS FORESTED SWAMP ≥10 ACRES (WETLAND B)

STABILIZED CONSTRUCTION EXIT

MATCHLINE - SHEET C7.02

MATCHLINE - SHEET C7.01

240' x 15' TEMPORARY SEDIMENT TRAP (TST1-11)

240'x15' TEMPORARY SEDIMENT TRAP (TST2-9S)

SILTSOCK/SILT FENCE (TYP.)

SILTSACK (TYP.)

240' x 15' TEMPORARY SEDIMENT TRAP (TST1-1)

75' x 15' TEMPORARY SEDIMENT TRAP (TST2-3)

DECIDUOUS FORESTED SWAMP ≥10 ACRES (WETLAND A)

UNNAMED RIVER

STABILIZED CONSTRUCTION EXIT

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401.272.8100

C7.01

Key

Not To Scale

0 25 50 100Feet

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by	Checked by
AL	JR

Issued for

Permits

Date

October 2, 2026

Not Approved for Construction

Drawing Title

Erosion and Sediment Control- Site Plan

JOSHUA A. ROGERS
No. 9874
10/2/2026
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Drawing Number

C7.01

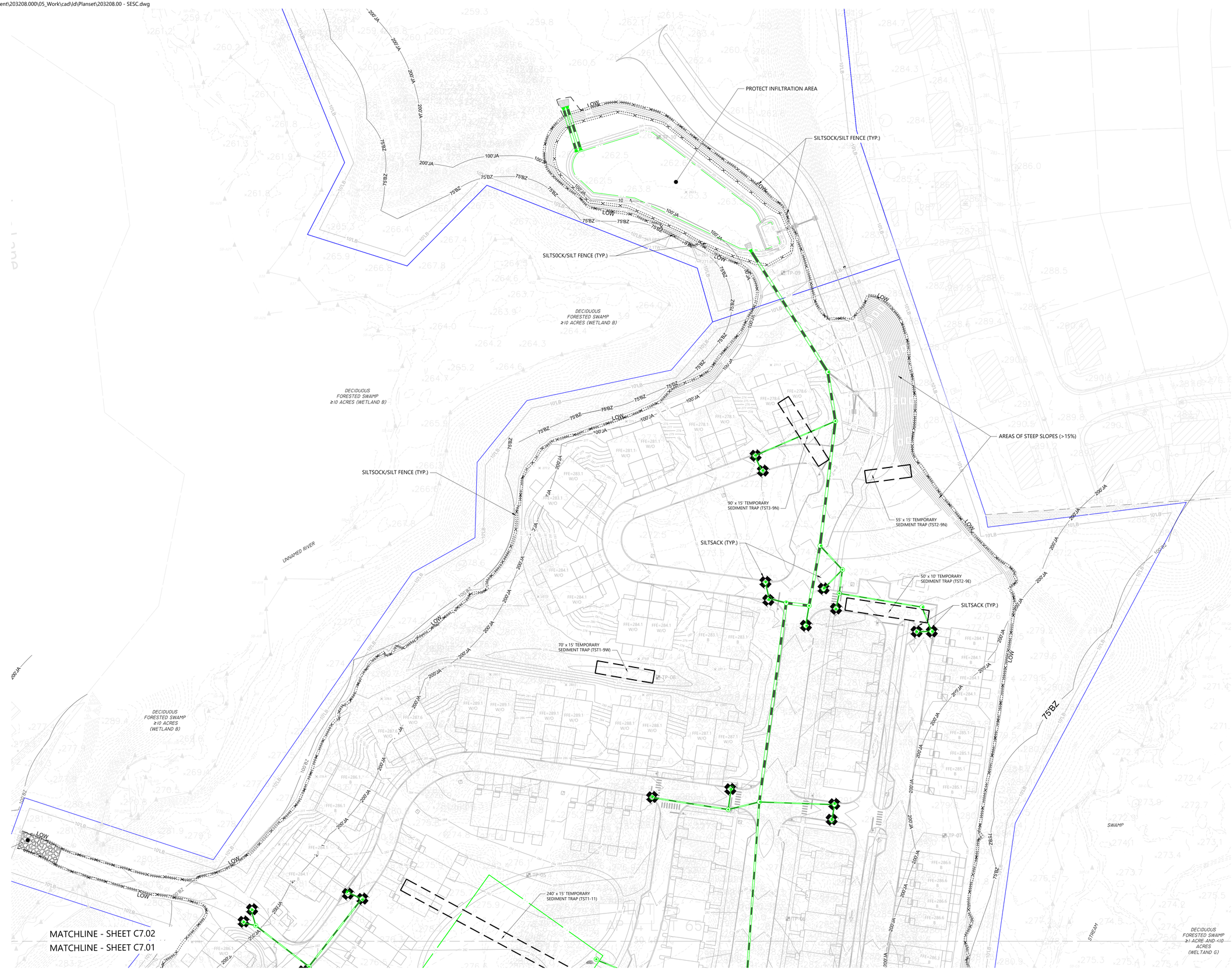
Sheet

11 of 24

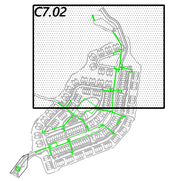
Project Number

203208.00

Saved Friday, October 2, 2026 12:04:51 PM GSTABACH Plotted Friday, October 2, 2026 5:09:31 PM Antonio Lucchetti



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Key

Not To Scale

0 25 50 100Feet

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by	Checked by
AL	JR

Issued for

Permits

Date

October 2, 2026

Not Approved for Construction

Drawing Title

Erosion and Sediment Control Plan- Site Plan

JOSHUA A. ROSEN
No. 8974
10/2/2026
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Drawing Number

C7.02

Sheet

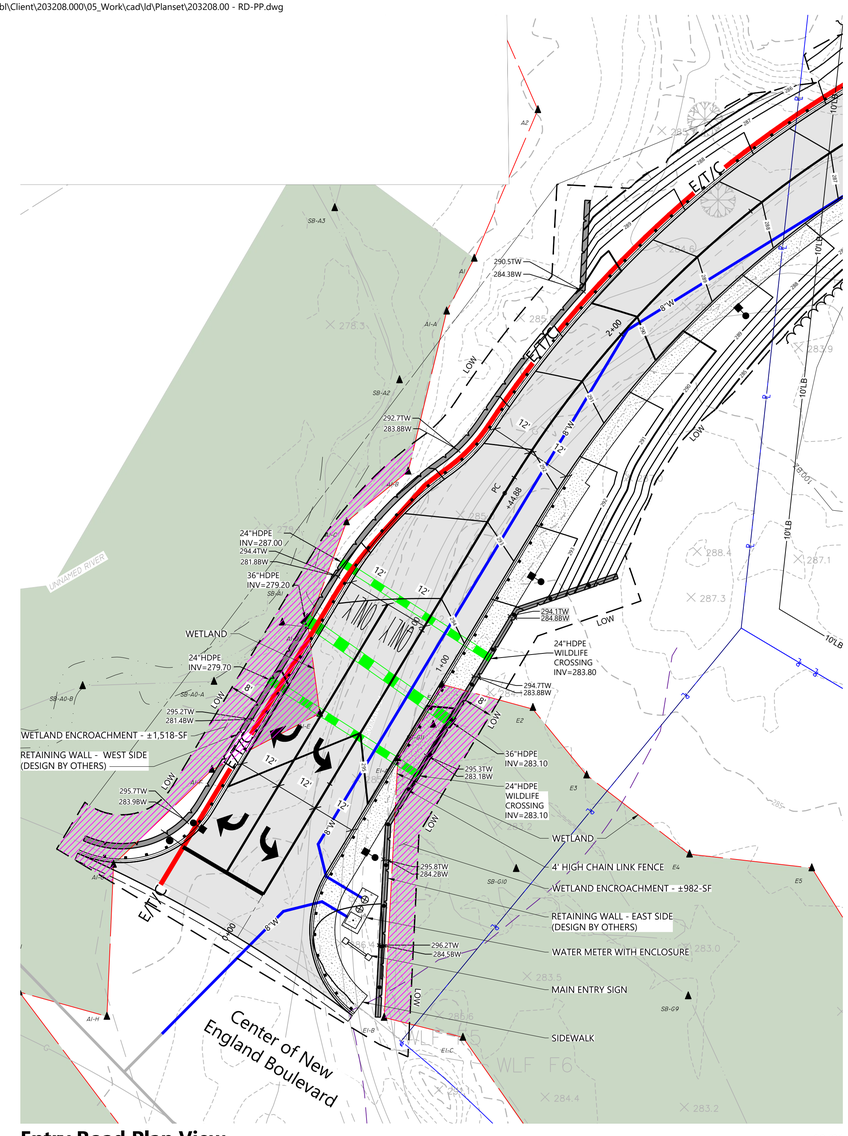
12 of 24

Project Number

203208.00

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Entry Road Plan View

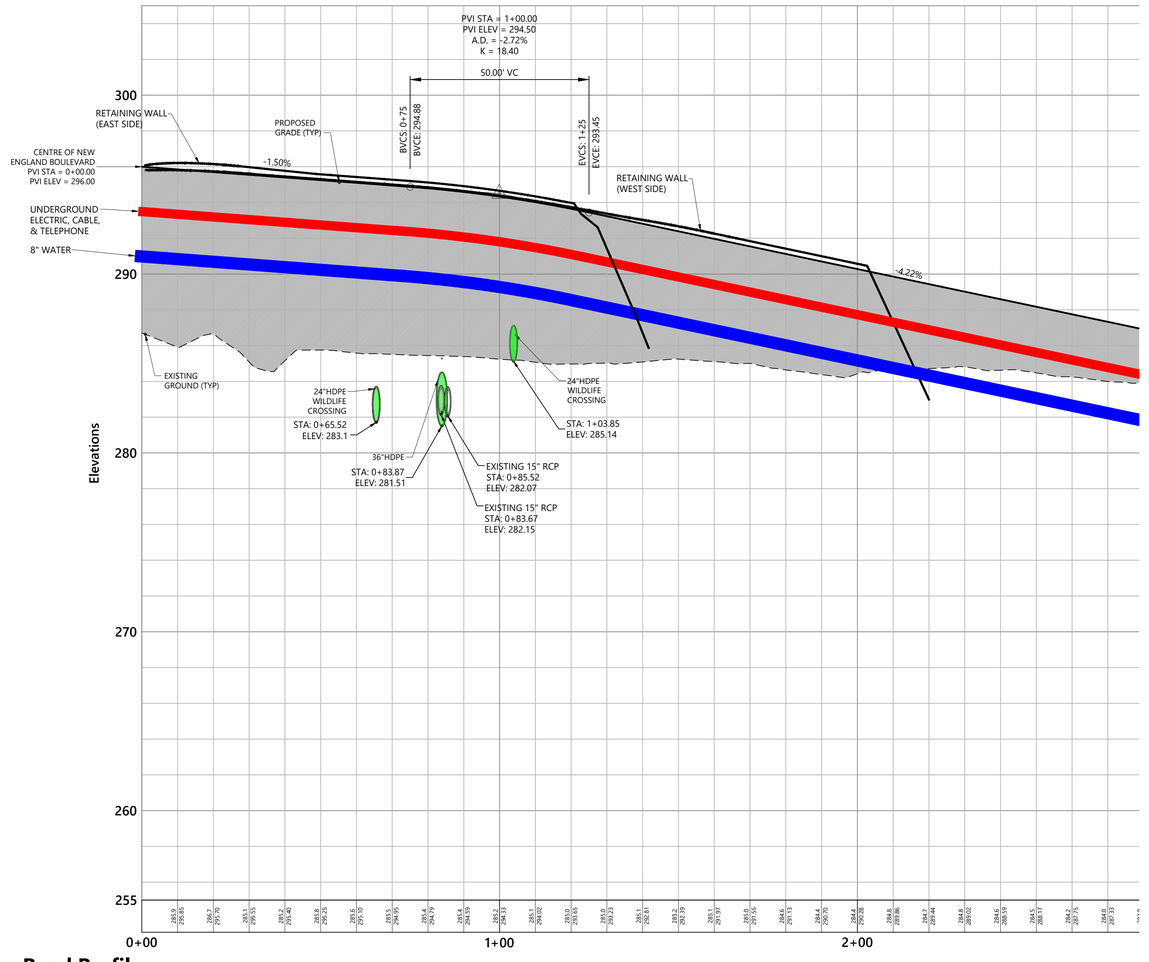
09/21

1"=20'

Source: VHB

LD_

0 10 20 40 Feet



Entry Road Profile

09/21

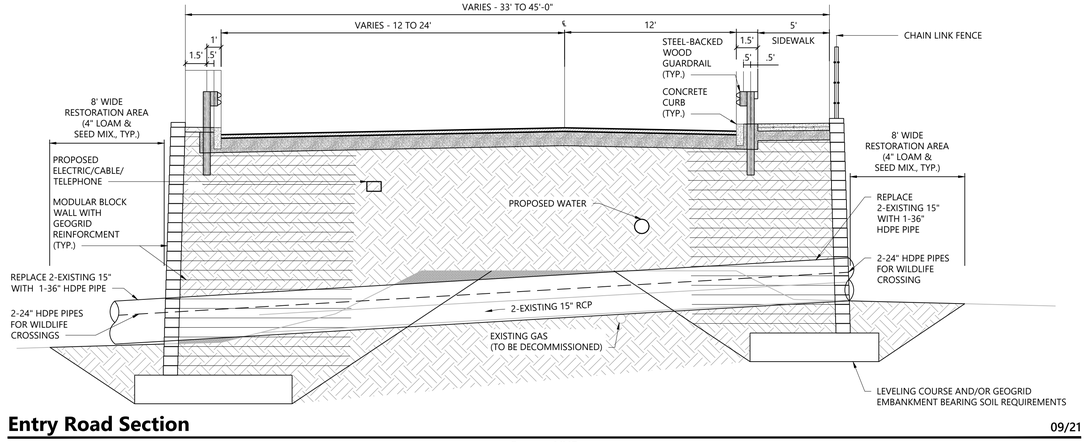
1"=20'- / 1"=5'-V

Source: VHB

LD_

Vert. 0 2 4 8 Feet

Horiz. 0 10 20 40 Feet



Entry Road Section

09/21

1"=5'

Source: VHB

LD_

0 2.5 5 10 Feet

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The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by

Checked by

Issued for

Permits

Date

October 2, 2026

Not Approved for Construction

Drawing Title

Entry Road Profile and Section

JOSHUA A. ROGERS
No. 9974
10/2/2026
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

Drawing Number

C8.01

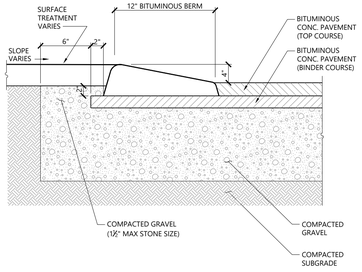
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203208.00

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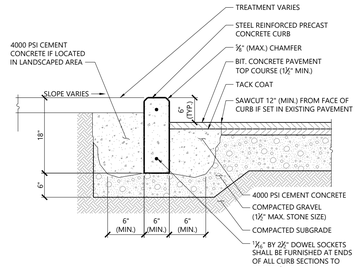


NOTES

ALL CURBING TO BE MACHINE EXTRUDED

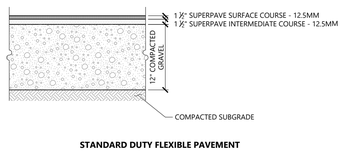
Bituminous Berm (BB) 1/16

N.T.S. Source: VHB LD_407



Precast Concrete Curb (PCC) 3/20

N.T.S. Source: VHB LD_404



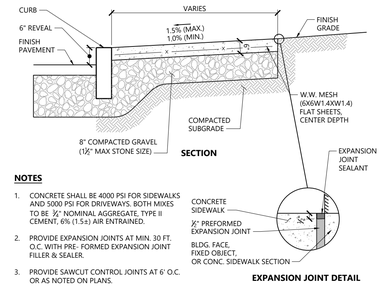
STANDARD DUTY FLEXIBLE PAVEMENT

NOTES

PAVEMENT SECTIONS ARE SUBJECT TO CHANGE AND WILL BE BASED ON THE RESULTS OF FURTHER GEOTECHNICAL INVESTIGATIONS.

Bituminous Concrete Pavement Sections 6/23

N.T.S. Source: VHB LD_430



SECTION

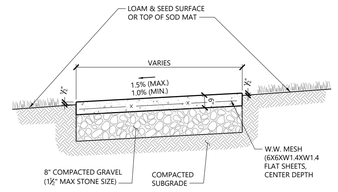
EXPANSION JOINT DETAIL

NOTES

1. CONCRETE SHALL BE 4000 PSI FOR SIDEWALKS AND 5000 PSI FOR DRIVEWAYS. BOTH MIXES TO BE ¾" NOMINAL AGGREGATE, TYPE II CEMENT, 6% (1.5±) AIR ENTRAINED.
2. PROVIDE EXPANSION JOINTS AT MIN. 30 FT. O.C. WITH PRE- FORMED EXPANSION JOINT FILLER & SEALER.
3. PROVIDE SAWCUT CONTROL JOINTS AT 6' O.C. OR AS NOTED ON PLANS.
4. PROVIDE MEDIUM BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
5. ALL EXPOSED CONCRETE SURFACES SHALL BE SEALED WITH A SILANE-SILOXANE PRODUCT.

Concrete Sidewalk 11/25

N.T.S. Source: VHB LD_420



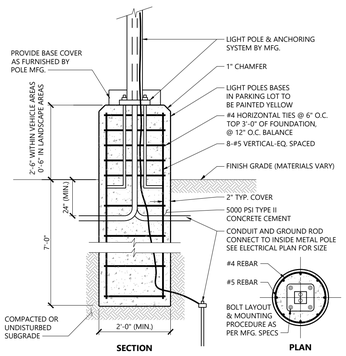
SECTION

NOTES

1. CONCRETE FOR SIDEWALKS TO BE 4000 PSI AND FOR DRIVEWAYS 5000 PSI, BOTH MIXES TO BE TYPE II, 6% (1.5±) AIR ENTRAINED.
2. PROVIDE EXPANSION JOINTS AT MIN. 30 FT. O.C. WITH PRE- FORMED EXPANSION JOINT FILLER & SEALER.
3. PROVIDE SAWCUT CONTROL JOINTS AT 6' O.C. OR AS NOTED ON PLANS.
4. PROVIDE MEDIUM BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.
5. ALL EXPOSED CONCRETE SURFACES SHALL BE SEALED WITH A SILANE-SILOXANE PRODUCT.

Concrete Sidewalk in Landscape Area 3/21

N.T.S. Source: VHB LD_426



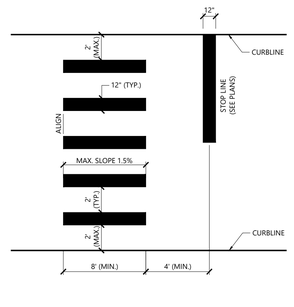
SECTION **PLAN**

NOTES

LIGHT POLE FOUNDATION DESIGN IS SUBJECT TO CHANGE BASED ON FINAL POLE AND FIXTURE SELECTION AND GEOTECHNICAL SITE INVESTIGATION.

Light Pole Foundation Detail (Up to 40' Pole) 5/23

N.T.S. Source: VHB LD_310

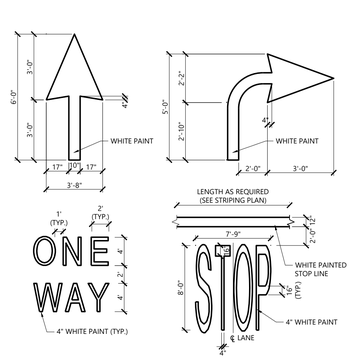


NOTES

1. TWELVE INCH (12") LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6 INCH LINES) WILL BE ACCEPTED.
2. LONGITUDINAL CROSSWALK LINES TO BE PARALLEL TO CURBLINE.
3. ALL LONGITUDINAL CROSSWALK LINES SHALL BE THE SAME LENGTH AND PROPERLY ALIGNED.
4. CROSS WALK SIDESLOPE SHALL NOT EXCEED 1.5%.

Crosswalk 12/19

N.T.S. Source: VHB LD_553A

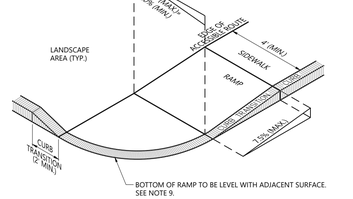


NOTES

1. PAVEMENT MARKINGS TO BE INSTALLED FOR ON SITE WORK IN LOCATIONS SHOWN.

Painted Pavement Markings - On Site 1/16

N.T.S. Source: VHB LD_554

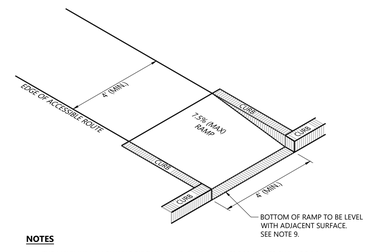


NOTES

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

Accessible Curb Ramp (ACR) - Type 'B' 12/20

N.T.S. Source: VHB LD_501

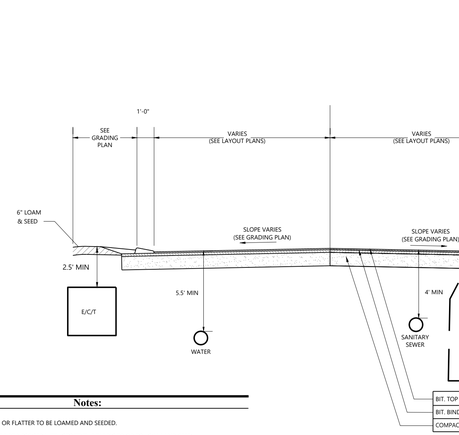


NOTES

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

Accessible Curb Ramp (ACR) Type 'J' 12/20

N.T.S. Source: VHB LD_509

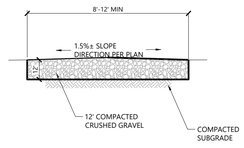


Notes:

1. TYPICAL SLOPES OF 2:1 OR FLATTER TO BE LOAMED AND SEEDED.
2. GREATER THAN 2:1 TO BE REINFORCED WITH GEOTEXTILE FABRIC PRIOR TO LOAM AND SEED.

Typical Roadway Section

N.T.S.

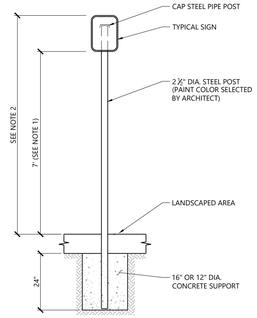


NOTES

1. PROCESSED GRAVEL STONE SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. WIDTH AND LENGTH AS SPECIFIED ON PLAN.
3. ACCESS DRIVE SHALL BE INSPECTED AND MAINTAINED ANNUALLY. SURFACE SHALL BE RE-SCARIFIED AS NEEDED TO MAINTAIN PERVIOUSNESS.

Gravel Drive

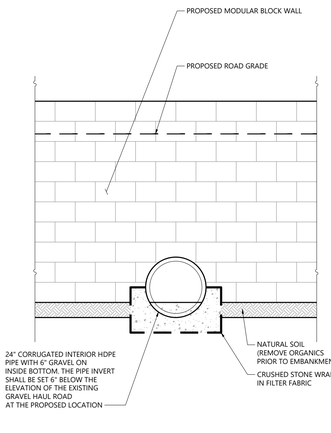
N.T.S. Source: VHB



1. THIS DIMENSION SHALL BE A MINIMUM OF 5' FOR ACCESSIBLE SIGNAGE.
2. THIS DIMENSION SHALL BE A MAXIMUM OF 8' FOR ACCESSIBLE SIGNAGE

Sign Post - Type 'A' 3/19

N.T.S. Source: VHB LD_701



Wildlife Crossing 09/26

N.T.S. Source: VHB LD_

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The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by	Checked by
AL	JR

Issued for

Permits

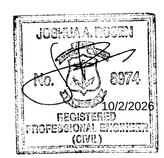
Date

October 2, 2026

Not Approved for Construction

Drawing Title

Site Details 1



Drawing Number

C9.01

Sheet

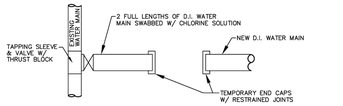
14 of 24

Project Number

203208.00

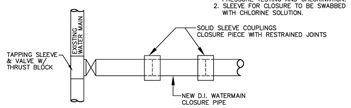
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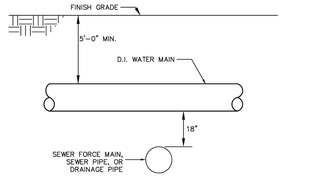
PRIOR TO CONNECTION

NOTE:
1. PRIOR TO FINAL APPROVAL FOR PERMANENT CONNECTION FROM KCWA, CONTRACTOR SHALL PERFORM PRESSURE TESTING AND CHLORINATION.
2. SLEEVE FOR CLOSURE TO BE SWABBED WITH CHLORINE SOLUTION.

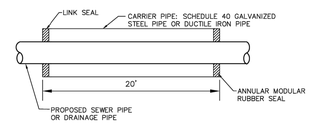


CONNECTION

KENT COUNTY WATER AUTHORITY
KCWA "proudly serving"
CONNECTION OF NEW WATER MAIN TO EXISTING WATER MAIN
NOT TO SCALE
DATE: 09/2006
CONNW.DWG

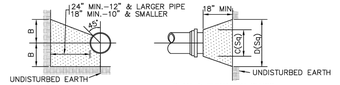


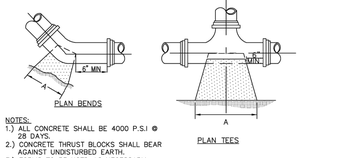
NOTES:
1. THE VERTICAL SEPARATION BETWEEN THE WATER MAIN AND THE PROPOSED UTILITY SHALL BE A MINIMUM OF 18 INCHES.
2. THE HORIZONTAL SEPARATION BETWEEN THE WATER MAIN AND THE PROPOSED UTILITY SHALL BE A MINIMUM OF 10 FEET.
3. IF 1 OR 2 CANNOT BE MAINTAINED THE PROPOSED UTILITY SHALL BE INSTALLED WITHIN A CARRIER PIPE UPON WRITTEN APPROVAL BY THE KCWA.
4. SEWER MAIN AND SERVICES ARE NOT ALLOWED TO CROSS OVER THE TOP OF WATER MAIN.
5. CONCRETE ENCASEMENT IS NOT ALLOWED.



CARRIER PIPE DETAIL

KENT COUNTY WATER AUTHORITY
KCWA "proudly serving"
UTILITY SEPERATION
NOT TO SCALE
DATE: 09/2006
UTILSEPD.DWG

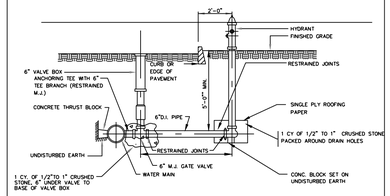




NOTES:
1.) ALL CONCRETE SHALL BE 4000 P.S.I @ 28 DAYS.
2.) CONCRETE THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH.
3.) FORMS TO BE USED AS NECESSARY.
4.) ALL BOLTS AND NUTS TO BE PROTECTED FROM CONCRETE AND EASILY ACCESSIBLE WHEN THRUST BLOCK INSTALLED.
5.) REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF R.I. SHALL VERIFY ALL CALCULATIONS DURING DESIGN TO MEET CONDITIONS OF PROJECT AND KCWA REQUIREMENTS.

SIZE	TEES				PLUGS		90° BEND		45° BEND		22½ BEND		11¼BEND	
	A	B	C	D	A	B	A	B	A	B	A	B	A	B
6"	20"	10"	10"	21"	24"	12"	18"	9"	13"	7"	9"	5"		
8"	26"	13"	12"	26"	32"	16"	24"	12"	17"	9"	12"	6"		
10"	34"	17"	14"	34"	40"	20"	30"	15"	22"	11"	15"	8"		
12"	41"	20"	16"	41"	48"	24"	35"	18"	25"	13"	18"	9"		
16"	54"	27"	20"	54"	64"	32"	47"	23"	34"	17"	24"	12"		

KENT COUNTY WATER AUTHORITY
KCWA "proudly serving"
THRUST BLOCK
NOT TO SCALE
DATE: 09/2006
THRUSDET.DWG



NOTE:
1.) KCWA COLOR SCHEME FOR HYDRANT.
2.) INSTALLATION SHALL NOT OBSTRUCT SIDEWALK TO PEDESTRIAN OR PHYSICALLY IMPAIRED.
3.) REMOVAL OF EXISTING HYDRANT MAY REQUIRE ADDITIONAL RESTRAINT DESIGNED BY A PROFESSIONAL ENGINEER.

NOTE:
MECHANICAL JOINT PIPE W/ RESTRAINED JOINTS FOR BRANCHES OVER ONE LENGTH OF PIPE

KENT COUNTY WATER AUTHORITY
KCWA "proudly serving"
HYDRANT
NOT TO SCALE
DATE: 09/2006
HYDRANT.DWG

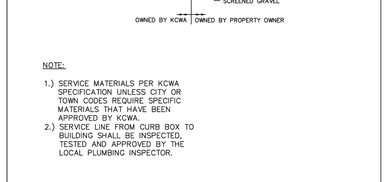
Hydrant Construction
N.T.S. Source: KCWA

RESTRAINED PIPE LENGTHS FOR RESTRAINED FITTINGS

FITTING	RESTRAINED LENGTH
12" PLUG	94'
12" TEE	44'
12" 90°	58'
12" 45°	44'
12" 22 1/2°	22'
12" 11 1/4°	22'
8" PLUG	58'
8" TEE	44'
8" 90°	44'
8" 45°	22'
8" 22 1/2°	22'
8" 11 1/4°	22'
8" X 6"	44'
6" PLUG	44'
6" TEE	22'
6" 90°	22'
6" 45°	22'
6" 22 1/2°	22'
6" 11 1/4°	22'

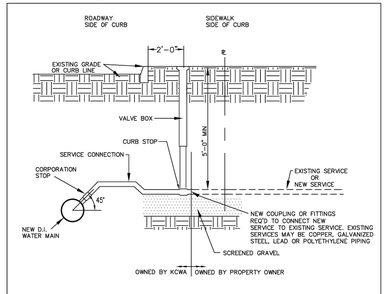
NOTE:
1. ALL JOINTS, INCLUDING PIPE JOINTS, VALVE JOINTS, AND FITTING JOINTS, SHALL BE RESTRAINED WITHIN THE LIMITS OF RESTRAINED LENGTHS LISTED ON THIS TABLE. MECHANICAL JOINT PIPE AND MECHANICAL RESTRAINTS WILL BE IN ACCORDANCE WITH THE ABOVE TABLE.
2. THE TABLE SHOWS LENGTHS OF PIPES WHICH MUST BE RESTRAINED ON BOTH SIDES OF THE FITTING.
3. ALL DEAD END PIPE SHALL BE PROPERLY RESTRAINED PRIOR TO PRESSURE TESTING.
4. REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF R.I. SHALL VERIFY ALL RESTRAINING CALCULATIONS & LENGTHS DURING DESIGN, MEETING ALL REQUIREMENTS OF THE KCWA.

KENT COUNTY WATER AUTHORITY
KCWA "proudly serving"
RESTRAINED PIPE LENGTHS
NOT TO SCALE
DATE: 09/2006
ASBTDET.DWG



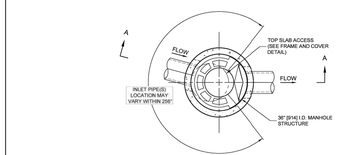
NOTE:
1.) TAPPING SLEEVE AND VALVE TO BE SWABBED WITH CHLORINE SOLUTION.

KENT COUNTY WATER AUTHORITY
KCWA "proudly serving"
TAPPING SLEEVE AND VALVE
NOT TO SCALE
DATE: 09/2006
TAPNSLEVE.DWG

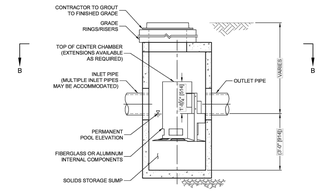


NOTE:
1.) SERVICE MATERIALS PER KCWA SPECIFICATION UNLESS CITY OR TOWN CODES REQUIRE SPECIFIC MATERIALS THAT HAVE BEEN APPROVED BY KCWA.
2.) SERVICE LINE FROM CURB BOX TO BUILDING SHALL BE INSPECTED, TESTED AND APPROVED BY THE LOCAL PLUMBING INSPECTOR.

KENT COUNTY WATER AUTHORITY
KCWA "proudly serving"
SERVICE CONNECTION
NOT TO SCALE
DATE: 09/2006
SERCONDET.DWG



PLAN VIEW B-B
NOT TO SCALE



ELEVATION A-A
NOT TO SCALE

CASCADE separator™

CASCADE SEPARATOR DESIGN NOTES

THE STANDARD CS-3 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	
WATER QUALITY FLOW RATE (cfs [L/s])	
PEAK FLOW RATE (cfs [L/s])	
RETURN PERIOD OF PEAK FLOW (yrs)	
RIM ELEVATION	

PIPE DATA:	INVERT	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			

NOTES / SPECIAL REQUIREMENTS:

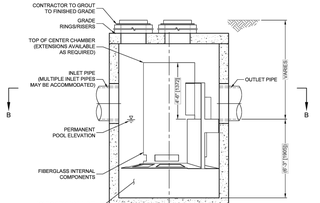
GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE: www.ContechES.com
3. CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO H20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' [610], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
5. CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm.].

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CASCADE SEPARATOR MANHOLE STRUCTURE.
C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH ENGINEERED SOLUTIONS LLC
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9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CS-3
CASCADE SEPARATOR
STANDARD DETAIL

PLAN VIEW B-B
NOT TO SCALE



ELEVATION A-A
NOT TO SCALE

CASCADE separator™

CASCADE SEPARATOR DESIGN NOTES

THE STANDARD CS-8 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	
WATER QUALITY FLOW RATE (cfs [L/s])	
PEAK FLOW RATE (cfs [L/s])	
RETURN PERIOD OF PEAK FLOW (yrs)	
RIM ELEVATION	

PIPE DATA:	INVERT	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			

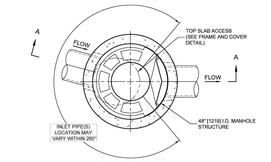
NOTES / SPECIAL REQUIREMENTS:

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE: www.ContechES.com
3. CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO H20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' [610], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
5. CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm.].

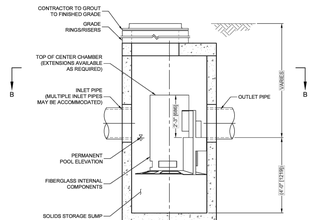
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CS-8
CASCADE SEPARATOR
STANDARD DETAIL



PLAN VIEW B-B
NOT TO SCALE



ELEVATION A-A
NOT TO SCALE

CASCADE separator™

CASCADE SEPARATOR DESIGN NOTES

THE STANDARD CS-4 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	
WATER QUALITY FLOW RATE (cfs [L/s])	
PEAK FLOW RATE (cfs [L/s])	
RETURN PERIOD OF PEAK FLOW (yrs)	
RIM ELEVATION	

PIPE DATA:	INVERT	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			

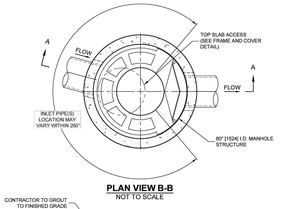
NOTES / SPECIAL REQUIREMENTS:

GENERAL NOTES
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5. CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm.].

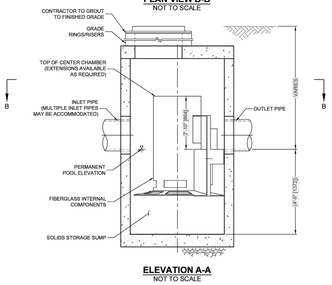
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CS-4
CASCADE SEPARATOR
STANDARD DETAIL



PLAN VIEW B-B
NOT TO SCALE



ELEVATION A-A
NOT TO SCALE

CASCADE separator™

CASCADE SEPARATOR DESIGN NOTES

THE STANDARD CS-5 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES



FRAME AND COVER
(DIAMETER VARIES)
NOT TO SCALE

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID	
WATER QUALITY FLOW RATE (cfs [L/s])	
PEAK FLOW RATE (cfs [L/s])	
RETURN PERIOD OF PEAK FLOW (yrs)	
RIM ELEVATION	

PIPE DATA:	INVERT	MATERIAL	DIAMETER
INLET PIPE 1			
INLET PIPE 2			
OUTLET PIPE			

NOTES / SPECIAL REQUIREMENTS:

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE: www.ContechES.com
3. CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO H20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' [610], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
5. CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm.].

INSTALLATION NOTES
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CS-5
CASCADE SEPARATOR
STANDARD DETAIL

vhb®
www.vhb.com
3 Davol Square
Suite C300
Providence, RI 02903
401.272.8100

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by AL
Checked by JR

Issued for
Permits
Date
October 2, 2026

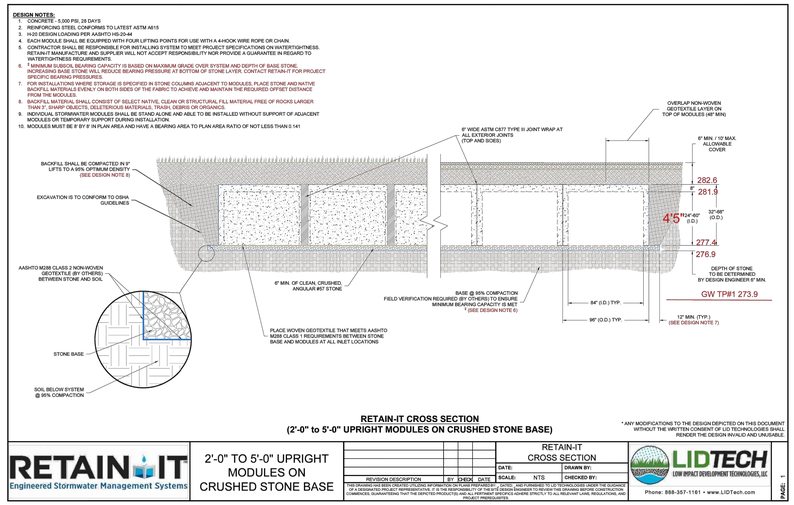
Not Approved for Construction

Drawing Title
Site Details 2



Drawing Number
C9.02
Sheet
15 of 24
Project Number
203208.00

Saved Friday, October 2, 2026 4:49:25 PM ALUCCHETTI Plotted Friday, October 2, 2026 5:06:56 PM Antonio Lucchetti



RETAIN-IT CROSS SECTION
(2'-0" to 5'-0" UPRIGHT MODULES ON CRUSHED STONE BASE)

* ANY MODIFICATIONS TO THE DESIGN DEPICTED ON THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF LID TECHNOLOGIES SHALL RENDER THE DESIGN INVALID AND UNUSABLE

RETAIN IT Engineered Stormwater Management Systems | 2'-0" TO 5'-0" UPRIGHT MODULES ON CRUSHED STONE BASE | RETAIN-IT CROSS SECTION | DATE: | DRAWN BY: | SCALE: NTS | CHECKED BY: | REVISION DESCRIPTION | BY | CHECK | DATE

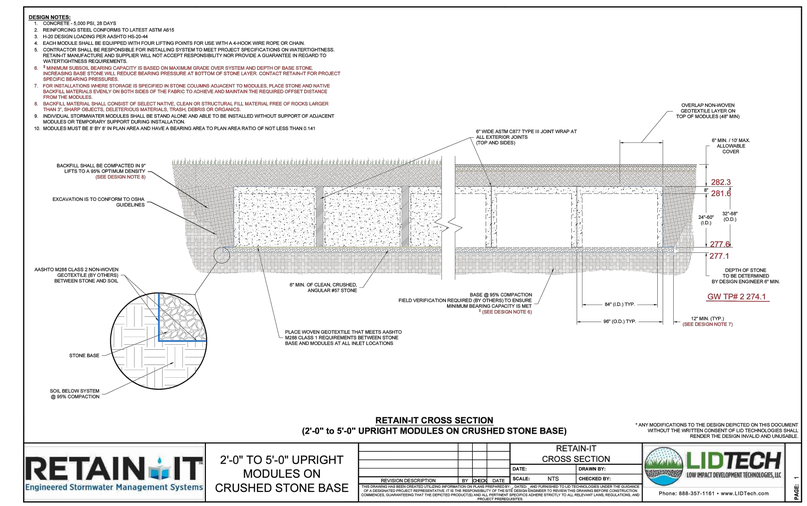
THIS DRAWING HAS BEEN CREATED UTILIZING INFORMATION ON PLANS PREPARED BY _____ DATED _____ AND FURNISHED TO LID TECHNOLOGIES UNDER THE GUIDANCE OF THE ENGINEER OF RECORD FOR THE PROJECT. LID TECHNOLOGIES, LLC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF SUCH PLANS AND COMMENCES, GUARANTEEING THAT THE DEPICTED PRODUCT(S) AND ALL PERTINENT SPECIFICS ADHERE STRICTLY TO ALL RELEVANT LAWS, REGULATIONS, AND PROJECT PREREQUISITES.

LIDTECH LOW IMPACT DEVELOPMENT TECHNOLOGIES, LLC. Phone: 888-357-1161 • www.LIDTech.com

PAGE 1

Underground Infiltration Basin (UINF) A

N.T.S. Source: VHB 9/21 LD_



RETAIN-IT CROSS SECTION
(2'-0" to 5'-0" UPRIGHT MODULES ON CRUSHED STONE BASE)

* ANY MODIFICATIONS TO THE DESIGN DEPICTED ON THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF LID TECHNOLOGIES SHALL RENDER THE DESIGN INVALID AND UNUSABLE

RETAIN IT Engineered Stormwater Management Systems | 2'-0" TO 5'-0" UPRIGHT MODULES ON CRUSHED STONE BASE | RETAIN-IT CROSS SECTION | DATE: | DRAWN BY: | SCALE: NTS | CHECKED BY: | REVISION DESCRIPTION | BY | CHECK | DATE

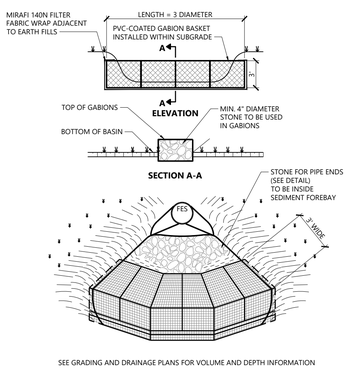
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LIDTECH LOW IMPACT DEVELOPMENT TECHNOLOGIES, LLC. Phone: 888-357-1161 • www.LIDTech.com

PAGE 1

Underground Infiltration Basin (UINF) B

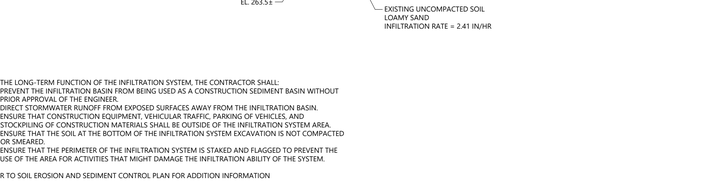
N.T.S. Source: VHB 9/21 LD_



SEE GRADING AND DRAINAGE PLANS FOR VOLUME AND DEPTH INFORMATION

Sediment Forebay with Gabion Baffles

N.T.S. Source: VHB 1/16 LD_166

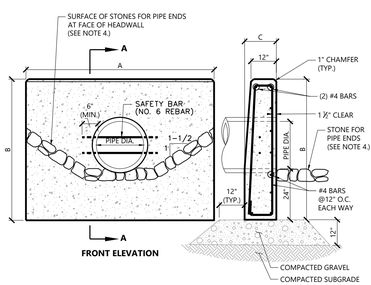


NOTES

1. FOR THE LONG-TERM FUNCTION OF THE INFILTRATION SYSTEM, THE CONTRACTOR SHALL:
   1.1. PREVENT THE INFILTRATION BASIN FROM BEING USED AS A CONSTRUCTION SEDIMENT BASIN WITHOUT PRIOR APPROVAL OF THE ENGINEER.
   1.2. DIRECT STORMWATER RUNOFF FROM EXPOSED SURFACES AWAY FROM THE INFILTRATION BASIN.
   1.3. ENSURE THAT CONSTRUCTION EQUIPMENT, VEHICULAR TRAFFIC, PARKING OF VEHICLES, AND STOCKPILING OF CONSTRUCTION MATERIALS SHALL BE OUTSIDE OF THE INFILTRATION SYSTEM AREA.
   1.4. ENSURE THAT THE SOIL AT THE BOTTOM OF THE INFILTRATION SYSTEM EXCAVATION IS NOT COMPACTED OR SMEARED.
   1.5. ENSURE THAT THE PERIMETER OF THE INFILTRATION SYSTEM IS STAKED AND FLAGGED TO PREVENT THE USE OF THE AREA FOR ACTIVITIES THAT MIGHT DAMAGE THE INFILTRATION ABILITY OF THE SYSTEM.
2. REFER TO SOIL EROSION AND SEDIMENT CONTROL PLAN FOR ADDITION INFORMATION

Infiltration Basin INF-1

N.T.S. Source: VHB



DIMENSIONAL TABLE

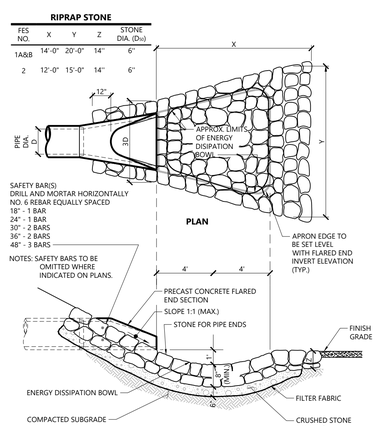
PIPE DIA.	A	B	C	#OF SAFETY BARS
15"	6'-6"	4'-5"	1'-6"	-
18"	7'-6"	4'-9"	1'-6"	1

NOTES

1. CONCRETE SHALL BE 6% ±1.5% AIR ENTRAINED TYPE II CEMENT WITH MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
2. SAFETY BARS TO BE OMITTED WHERE INDICATED ON PLANS.
3. SAFETY BARS SHALL BE SET TO CREATE EQUAL OPENING DIMENSIONS.
4. SEE STONE PROTECTION AT HEADWALL DETAIL.

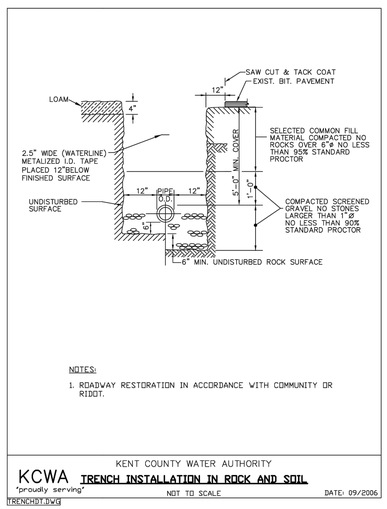
Concrete Headwall (HW)

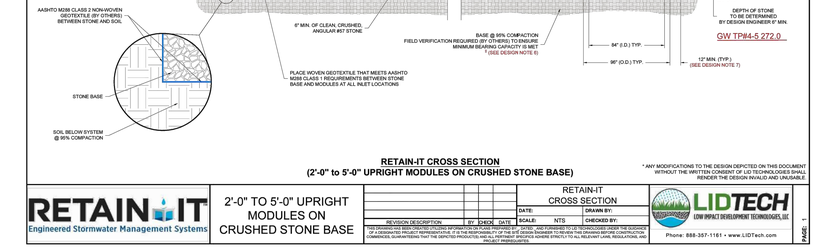
N.T.S. Source: VHB 10/20 LD_130



Flared End Section (FES) with Stone Protection

N.T.S. Source: VHB 3/19 LD_134





RETAIN-IT CROSS SECTION
(2'-0" to 5'-0" UPRIGHT MODULES ON CRUSHED STONE BASE)

* ANY MODIFICATIONS TO THE DESIGN DEPICTED ON THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF LID TECHNOLOGIES SHALL RENDER THE DESIGN INVALID AND UNUSABLE

RETAIN IT Engineered Stormwater Management Systems | 2'-0" TO 5'-0" UPRIGHT MODULES ON CRUSHED STONE BASE | RETAIN-IT CROSS SECTION | DATE: | DRAWN BY: | SCALE: NTS | CHECKED BY: | REVISION DESCRIPTION | BY | CHECK | DATE

THIS DRAWING HAS BEEN CREATED UTILIZING INFORMATION ON PLANS PREPARED BY _____ DATED _____ AND FURNISHED TO LID TECHNOLOGIES UNDER THE GUIDANCE OF THE ENGINEER OF RECORD FOR THE PROJECT. LID TECHNOLOGIES, LLC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF SUCH PLANS AND COMMENCES, GUARANTEEING THAT THE DEPICTED PRODUCT(S) AND ALL PERTINENT SPECIFICS ADHERE STRICTLY TO ALL RELEVANT LAWS, REGULATIONS, AND PROJECT PREREQUISITES.

LIDTECH LOW IMPACT DEVELOPMENT TECHNOLOGIES, LLC. Phone: 888-357-1161 • www.LIDTech.com

PAGE 1

Underground Infiltration Basin (UINF) C

N.T.S. Source: VHB 9/21 LD_

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www.vhb.com
3 Davol Square
Suite C300
Providence, RI 02903
401.272.8100

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by: AL | Checked by: JR

Issued for

Permits

Date

October 2, 2026

Not Approved for Construction

Drawing Title

Site Details 3



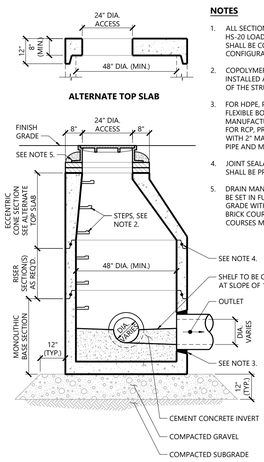
Drawing Number **C9.03**

Sheet 16 of 24

Project Number 203208.00

Saved Friday, October 2, 2026 4:09:25 PM ALUCCHETTI Plotted Friday, October 2, 2026 5:06:56 PM Antonio Lucchetti

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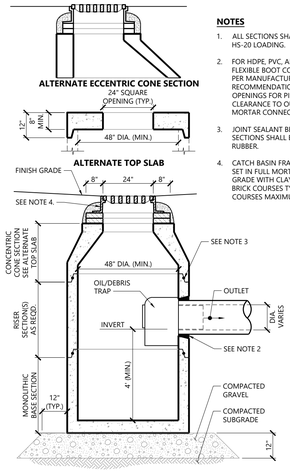


NOTES

1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING. DIAMETER OF STRUCTURES SHALL BE COORDINATED WITH PIPE CONFIGURATIONS.
2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
3. FOR HDPE, PVC, AND DI PIPE, PROVIDE FLEXIBLE BOOT CONNECTION INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. FOR RCP, PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE AND MORTAR CONNECTIONS.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
5. DRAIN MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM)

Drain Manhole (DMH) 11/19

N.T.S. Source: VHB LD_115

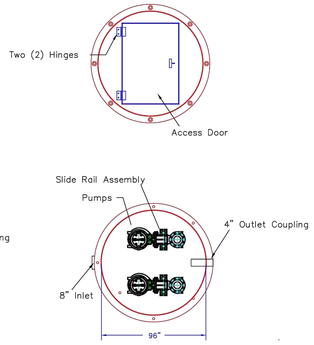


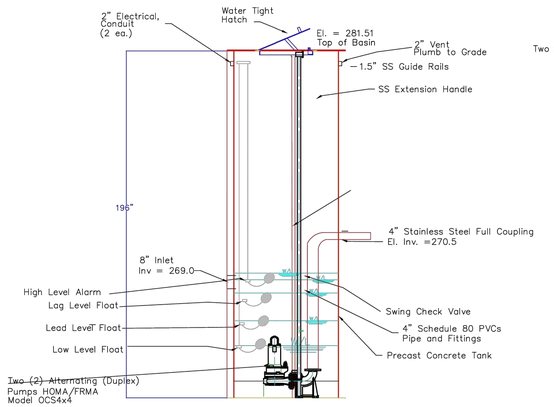
NOTES

1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
2. FOR HDPE, PVC, AND DI PIPE, PROVIDE FLEXIBLE BOOT CONNECTION INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. FOR RCP, PROVIDE OPENINGS FOR PIPES WITH 2" MAX CLEARANCE TO OUTSIDE OF PIPE AND MORTAR CONNECTIONS.
3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
4. CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED, ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).

Catch Basin (CB) With Oil/Debris Trap 3/21

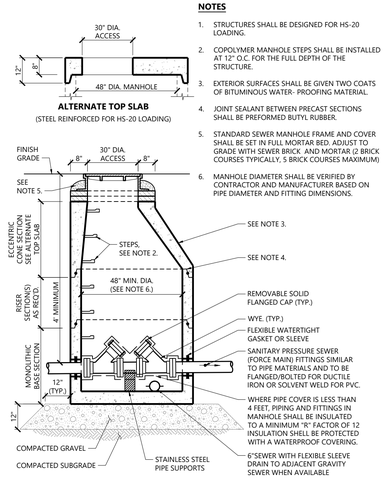
N.T.S. Source: VHB LD_101





96x196 Precast Concrete Pump Station 4" Discharge WW-1 PUMP STATION EG HOMES COVENTRY 184 GPM Duplex Pumps		
Scale: NTS Date: 10/01/2026	Drawn By: MTS App'd By:	Job No. Plan No.

MAHONY & ASSOCIATES, INC.
Water Supply & Pollution Control Equipment
273 Plymouth Street, Rockland, Massachusetts 02370

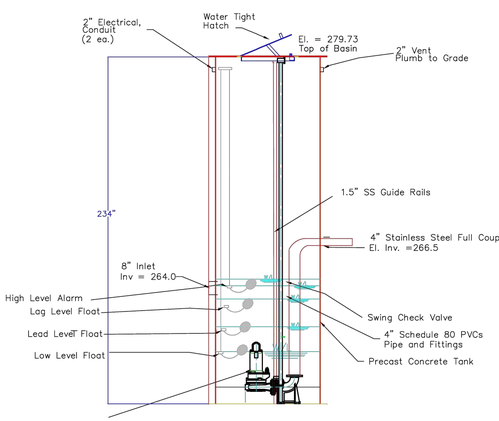


NOTES

1. STRUCTURES SHALL BE DESIGNED FOR HS-20 LOADING.
2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
3. EXTERIOR SURFACES SHALL BE GIVEN TWO COATS OF BITUMINOUS WATER- PROOFING MATERIAL.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
5. STANDARD SEWER MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH SEWER BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM)
6. MANHOLE DIAMETER SHALL BE VERIFIED BY CONTRACTOR AND MANUFACTURER BASED ON PIPE DIAMETER AND FITTING DIMENSIONS.

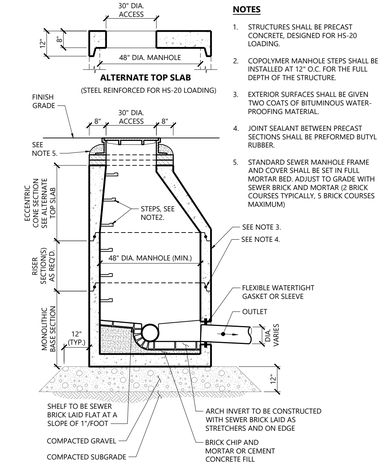
Sanitary Pressure Sewer Cleanout Manhole (SMH-CO) 12/20

N.T.S. Source: VHB LD_206



96x234 Precast Concrete Pump Station 4" Discharge WW-2 PUMP STATION EG HOMES COVENTRY 184 GPM Duplex Pumps		
Scale: NTS Date: 10/01/2026	Drawn By: MTS App'd By:	Job No. Plan No.

MAHONY & ASSOCIATES, INC.
Water Supply & Pollution Control Equipment
273 Plymouth Street, Rockland, Massachusetts 02370

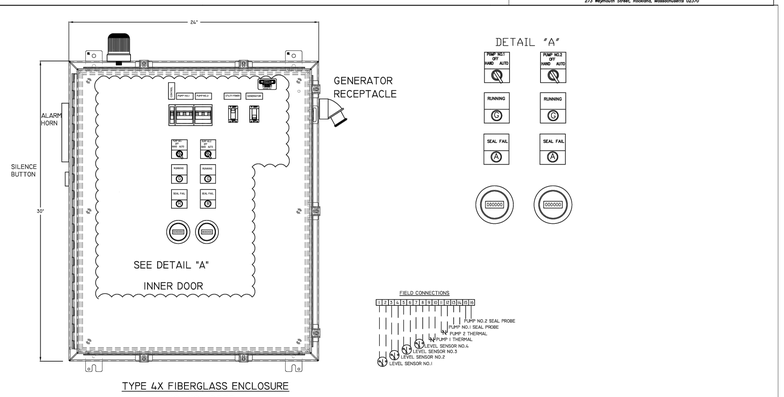


NOTES

1. STRUCTURES SHALL BE PRECAST CONCRETE, DESIGNED FOR HS-20 LOADING.
2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
3. EXTERIOR SURFACES SHALL BE GIVEN TWO COATS OF BITUMINOUS WATER-PROOFING MATERIAL.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
5. STANDARD SEWER MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH SEWER BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM)

Sanitary Sewer Manhole (SMH) 1/16

N.T.S. Source: VHB LD_200



QUALITY CONTROLS, INC.
3411 CHURCH STREET
CINCINNATI,OHIO 45244
(513) 272-3900

TORQUE FIELD CONNECTIONS:
SQUARE D 9080-GR6 TO 18-20 IN-LBS
SQUARE D 9080-GM6 TO 7-8 IN-LBS
SQUARE D 9080-GD6 TO 32-35 IN-LBS
ENTRELEC 256 7.52 IN-LBS +/- 1.33
CONNECTRON NDN111 32 IN/LB MAX
WIRING WILL BE 600VAC 75°C NON TINNED COPPER WIRE
POWER CIRCUITS & GROUNDS 14 AWG
WARNING MORE THAN ONE DISCONNECT MAY BE REQUIRED TO DE-ENERGIZE EQUIPMENT BEFORE SERVICING

UL LISTED

PANEL TO BEAR ULS08A LABEL

WARWICK PUMP STATION
DUPLEX PUMP CONTROL PANEL

VOLT: 208	PH:3	HZ:60	HP: 4.3	FLA: 11.0	BY:DH	APP:	DATE: 1/12/2023
CUSTOMER: F.R. MAHONY					JOB# 23-23		DWG# E2323-2

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Suite C300
Providence, RI 02903
401.272.8100

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

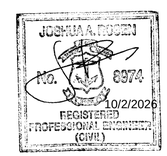
Designed by: AL
Checked by: JR

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Date
October 2, 2026

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Drawing Title
Site Details 4



Drawing Number
C9.04

Sheet
17 of 24

Project Number
203208.00

Saved Friday, October 2, 2026 4:09:25 PM ALUCCHETTI Plotted Friday, October 2, 2026 5:06:23 PM Antonio Lucchetti

Tree Protection / Preservation Notes

CONSTRUCTION WORK WITHIN THE DRIP LINE OR CRITICAL ROOT ZONE (CRZ) OF A LARGE TREE WILL IMPACT ITS LONG TERM HEALTH. TO MINIMIZE IMPACT AND ALLOW THE TREE TO RECOVER OVER TIME, APPLY THE FOLLOWING STEPS:

1. HAND DIGALONG THE CUT/SLOPE LINE TO IDENTIFY ANY LARGE ROOTS 2" DIA.+. HAND DIG OR AIR SPADE AROUND LARGE ROOTS AND EXPOSE.
2. ONCE CUT/SLOPE IS GRADED, INSTALL TREE PROTECTION FENCE PER PLANS AND SPECIFICATIONS AS CLOSE TO THE DRIP LINE AS POSSIBLE.
3. IF ROOTS ARE EXPOSED, COVER QUICKLY WITH BURLAP AND MOISTEN DAILY OR MULCH OVER EXPOSED ROOTS TO PROTECT DURING THE CONSTRUCTION PROCESS.
4. IF ROOTS MUST BE CUT, ENSURE CLEAN, SHARP CUTS TO MINIMIZE DAMAGE. AVOID TEARING OR CRUSHING ROOTS.
5. REINSTALL/ADJUST THE TREE PROTECTION FENCE TO BE AS CLOSE AS POSSIBLE TO THE DRIP LINE ACCORDING TO THE PLANS AND DETAILS.
6. KEEP ALL MACHINERY OUT OF THE TREE PROTECTION ZONE.
7. UPON COMPLETION OF WORK, COVER ALL EXPOSED ROOTS WITH SOIL AND APPLY BY HAND. AVOID MACHINERY COMPACTION.
8. WATER TREE AS NEEDED PER STANDARD 1" PER WEEK MINIMUM AND ENGAGE IN A DEEP ROOT FERTILIZATION PROGRAM FOR UP TO THREE YEARS WITH SPRING AND FALL APPLICATIONS.
9. PRUNE DEADWOOD AS NEEDED UPON COMPLETION OF PROJECT.

Planting Notes

1. ALL PROPOSED PLANTING LOCATIONS SHALL BE STAKED AS SHOWN ON THE PLANS FOR FIELD REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL BELOW GRADE AND ABOVE GROUND UTILITIES AND NOTIFY OWNERS REPRESENTATIVE OF CONFLICTS.
3. NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY CONFLICT.
4. A 3-INCH DEEP MULCH PER SPECIFICATION SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS, AND IN ALL PLANTING BEDS, UNLESS OTHERWISE INDICATED ON THE PLANS, OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
5. ALL TREES SHALL BE BALLED AND BURLAPPED, UNLESS OTHERWISE NOTED IN THE DRAWINGS OR SPECIFICATION, OR APPROVED BY THE OWNER'S REPRESENTATIVE.
6. FINAL QUANTITY FOR EACH PLANT TYPE SHALL BE AS GRAPHICALLY SHOWN ON THE PLAN. THIS NUMBER SHALL TAKE PRECEDENCE IN CASE OF ANY DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND ON THE PLAN. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLANT LIST AND PLANT LABELS PRIOR TO BIDDING.
7. ANY PROPOSED PLANT SUBSTITUTIONS MUST BE REVIEWED BY LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
8. ALL PLANT MATERIALS INSTALLED SHALL MEET THE SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND CONTRACT DOCUMENTS.
9. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.
10. AREAS DESIGNATED "LOAM & SEED" SHALL RECEIVE MINIMUM 6" OF LOAM AND SPECIFIED SEED MIX. LAWNS OVER 2:1 SLOPE SHALL BE PROTECTED WITH EROSION CONTROL FABRIC.
11. ALL DISTURBED AREAS NOT OTHERWISE NOTED ON CONTRACT DOCUMENTS SHALL BE LOAM AND SEEDED OR MULCHED AS DIRECTED BY OWNER'S REPRESENTATIVE.
12. THIS PLAN IS INTENDED FOR PLANTING PURPOSES. REFER TO SITE / CIVIL DRAWINGS FOR ALL OTHER SITE CONSTRUCTION INFORMATION.

Seed Mixtures:

1. AREAS INDICATED AS "DETENTION BASIN" ARE TO BE SEEDED WITH NEW ENGLAND EROSION CONTROL / RESTORATION MIX FOR DETENTION PONDS AND MOIST AREAS, AS MANUFACTURED BY NEW ENGLAND WETLAND PLANTS, INC. AMHERST, MA (413) 548-8000, www.NEWP.com,OR AN APPROVED EQUAL. APPLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
2. AREAS INDICATED AS "MEADOW MIX" ARE TO BE SEEDED WITH NEW ENGLAND CONSERVATION / WILDLIFE SEED MIX, AS MANUFACTURED BY NEW ENGLAND WETLAND PLANTS, INC. AMHERST, MA (413) 548-8000, www.NEWP.com,OR AN APPROVED EQUAL. APPLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

Tree Protection Notes

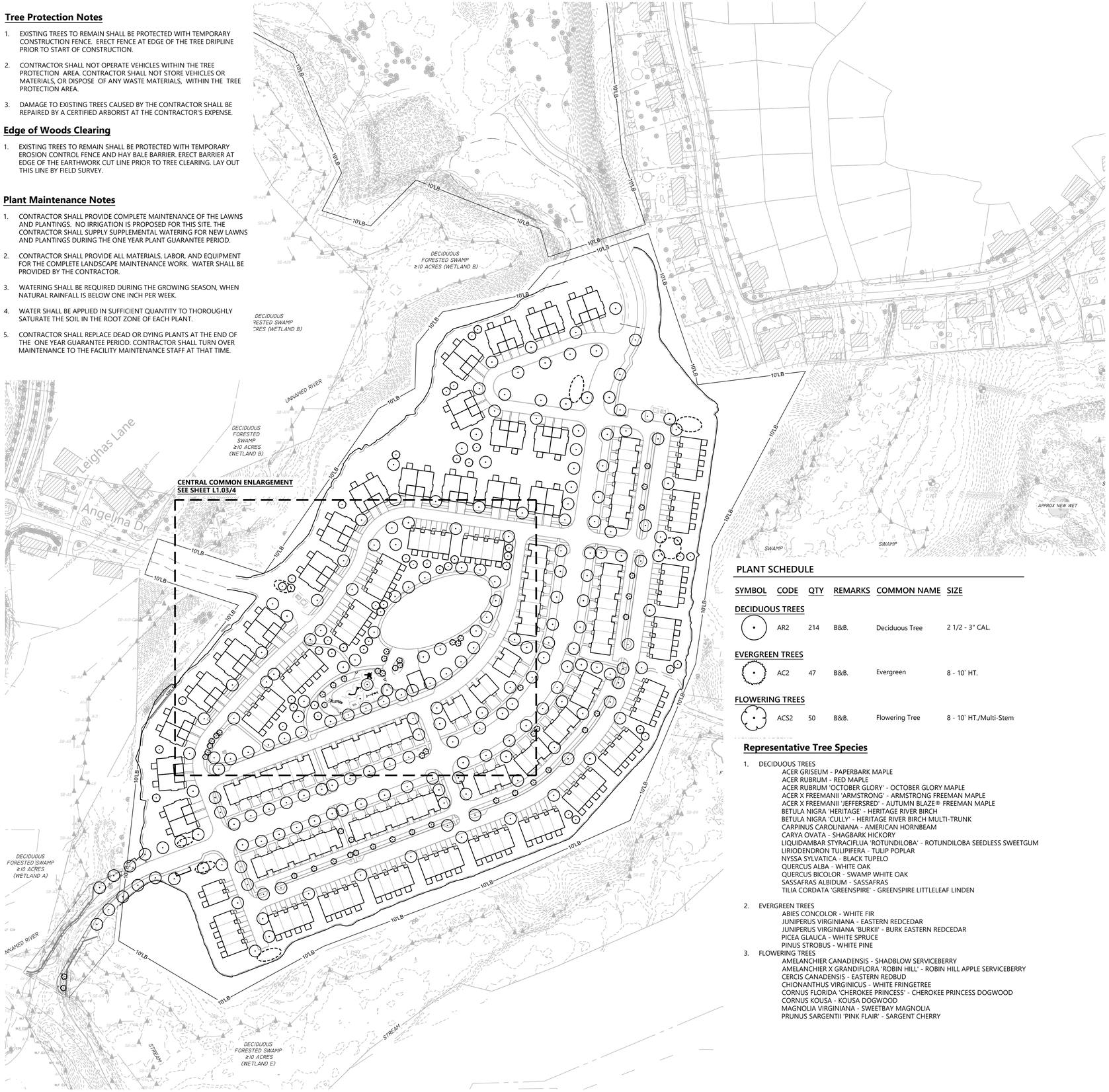
1. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY CONSTRUCTION FENCE. ERECT FENCE AT EDGE OF THE TREE DRIPLINE PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL NOT OPERATE VEHICLES WITHIN THE TREE PROTECTION AREA. CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS, OR DISPOSE OF ANY WASTE MATERIALS, WITHIN THE TREE PROTECTION AREA.
3. DAMAGE TO EXISTING TREES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY A CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.

Edge of Woods Clearing

1. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY EROSION CONTROL FENCE AND HAY BALE BARRIER. ERECT BARRIER AT EDGE OF THE EARTHWORK CUT LINE PRIOR TO TREE CLEARING. LAY OUT THIS LINE BY FIELD SURVEY.

Plant Maintenance Notes

1. CONTRACTOR SHALL PROVIDE COMPLETE MAINTENANCE OF THE LAWNS AND PLANTINGS. NO IRRIGATION IS PROPOSED FOR THIS SITE. THE CONTRACTOR SHALL SUPPLY SUPPLEMENTAL WATERING FOR NEW LAWNS AND PLANTINGS DURING THE ONE YEAR PLANT GUARANTEE PERIOD.
2. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR THE COMPLETE LANDSCAPE MAINTENANCE WORK. WATER SHALL BE PROVIDED BY THE CONTRACTOR.
3. WATERING SHALL BE REQUIRED DURING THE GROWING SEASON, WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK.
4. WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE THE SOIL IN THE ROOT ZONE OF EACH PLANT.
5. CONTRACTOR SHALL REPLACE DEAD OR DYING PLANTS AT THE END OF THE ONE YEAR GUARANTEE PERIOD. CONTRACTOR SHALL TURN OVER MAINTENANCE TO THE FACILITY MAINTENANCE STAFF AT THAT TIME.



PLANT SCHEDULE

SYMBOL	CODE	QTY	REMARKS	COMMON NAME	SIZE
DECIDUOUS TREES					
	AR2	214	B&B.	Deciduous Tree	2 1/2 - 3" CAL.
EVERGREEN TREES					
	AC2	47	B&B.	Evergreen	8 - 10' HT.
FLOWERING TREES					
	ACS2	50	B&B.	Flowering Tree	8 - 10' HT./Multi-Stem

Representative Tree Species

1. DECIDUOUS TREES
   - ACER GRISEUM - PAPERBARK MAPLE
   - ACER RUBRUM - RED MAPLE
   - ACER RUBRUM 'OCTOBER GLORY' - OCTOBER GLORY MAPLE
   - ACER X FREEMANII 'ARMSTRONG' - ARMSTRONG FREEMAN MAPLE
   - ACER X FREEMANII 'JEFFERSRED' - AUTUMN BLAZE® FREEMAN MAPLE
   - BETULA NIGRA 'HERITAGE' - HERITAGE RIVER BIRCH
   - BETULA NIGRA 'CULLY' - HERITAGE RIVER BIRCH MULTI-TRUNK
   - CARPINUS CAROLINIANA - AMERICAN HORNBEAM
   - CARYA OVATA - SHAGBARK HICKORY
   - LIQUIDAMBAR STYRACIFLUA 'ROTUNDILOBA' - ROTUNDILOBA SEEDLESS SWEETGUM
   - LIRIODENDRON TULIPIFERA - TULIP POPLAR
   - NYSSA SYLVATICA - BLACK TUPELO
   - QUERCUS ALBA - WHITE OAK
   - QUERCUS BICOLOR - SWAMP WHITE OAK
   - SASSAFRAS ALBIDUM - SASSAFRAS
   - TILIA CORDATA 'GREENSPIRE' - GREENSPIRE LITTLELEAF LINDEN
2. EVERGREEN TREES
   - ABIES CONCOLOR - WHITE FIR
   - JUNIPERUS VIRGINIANA - EASTERN REDCEDAR
   - JUNIPERUS VIRGINIANA 'BURKII' - BURK EASTERN REDCEDAR
   - PICEA GLAUCA - WHITE SPRUCE
   - PINUS STROBUS - WHITE PINE
3. FLOWERING TREES
   - AMELANCHIER CANADENSIS - SHADBLOW SERVICEBERRY
   - AMELANCHIER X GRANDIFLORA 'ROBIN HILL' - ROBIN HILL APPLE SERVICEBERRY
   - CERCIS CANADENSIS - EASTERN REDBUD
   - CHIONANTHUS VIRGINICUS - WHITE FRINGETREE
   - CORNUS FLORIDA 'CHEROKEE PRINCESS' - CHEROKEE PRINCESS DOGWOOD
   - CORNUS KOUSA - KOUSA DOGWOOD
   - MAGNOLIA VIRGINIANA - SWEETBAY MAGNOLIA
   - PRUNUS SARGENTII 'PINK FLAIR' - SARGENT CHERRY

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0 50 100 200Feet

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

Designed by | Checked by

Issued for

Permits

Date

October 2, 2026

Not Approved for Construction

Drawing Title

Overall Landscape Site Plan

REGISTERED LANDSCAPE ARCHITECT
ANDREW LOUW
No. 792

Drawing Number

L1.00

Sheet

18 of 24

Project Number

203208.00

Saved Friday, October 2, 2026 10:57:33 AM ALOUW Plotted Friday, October 2, 2026 4:53:32 PM Antonio Lucchetti

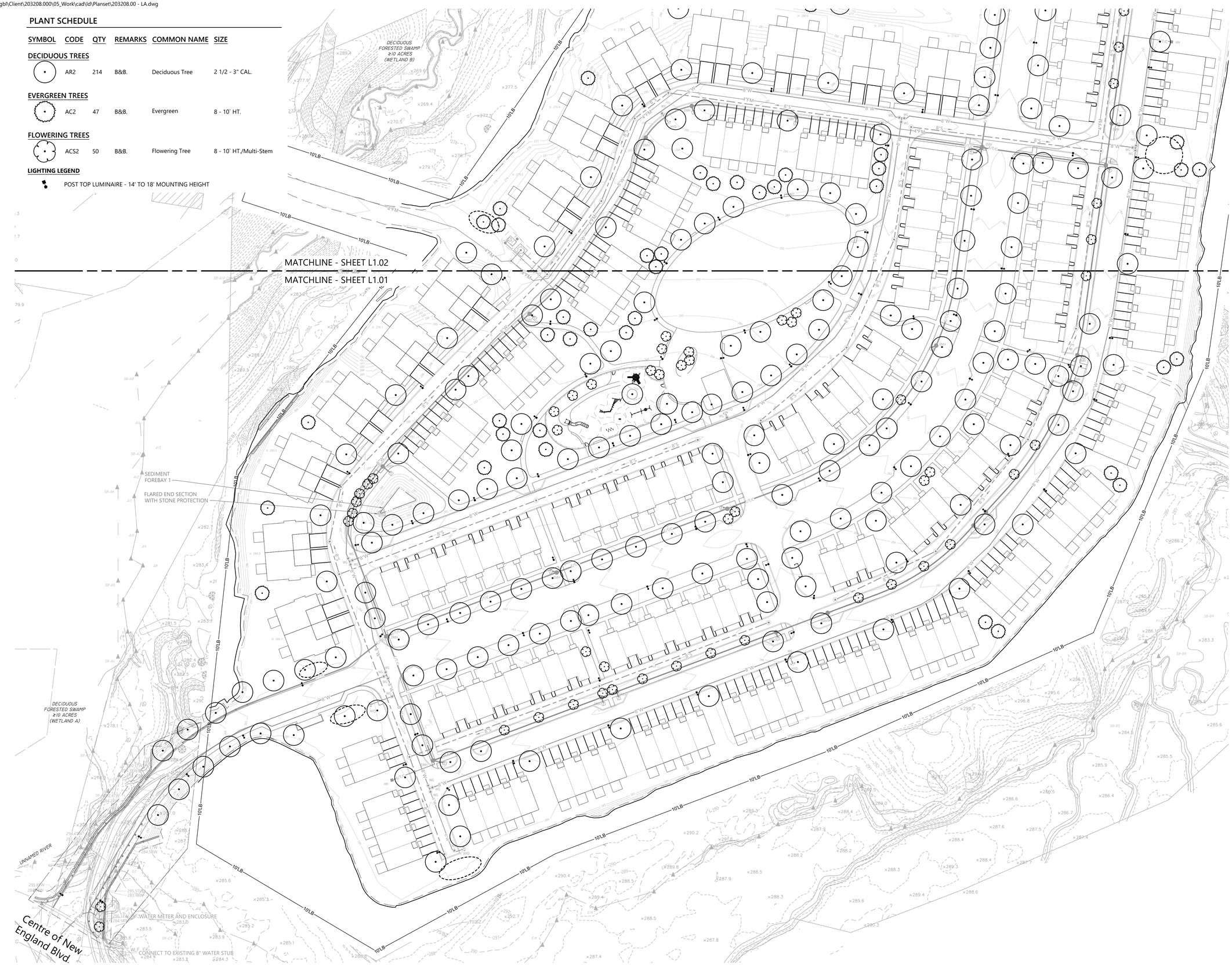
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PLANT SCHEDULE

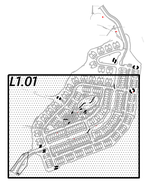
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	AC2	47	B&B.	Evergreen	8 - 10` HT.
FLOWERING TREES					
	ACS2	50	B&B.	Flowering Tree	8 - 10` HT./Multi-Stem

LIGHTING LEGEND

POST TOP LUMINAIRE - 14' TO 18' MOUNTING HEIGHT



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Key

Not To Scale

0 25 50 100Feet

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

No.	Revision	Date	Approved

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Date

October 2, 2026

Not Approved for Construction

Drawing Title

Planting Plan Enlargement

REGISTERED ANDREW LOUW No. 792 LANDSCAPE ARCHITECT

Drawing Number

L1.01

Sheet

19 of 24

Project Number

203208.00

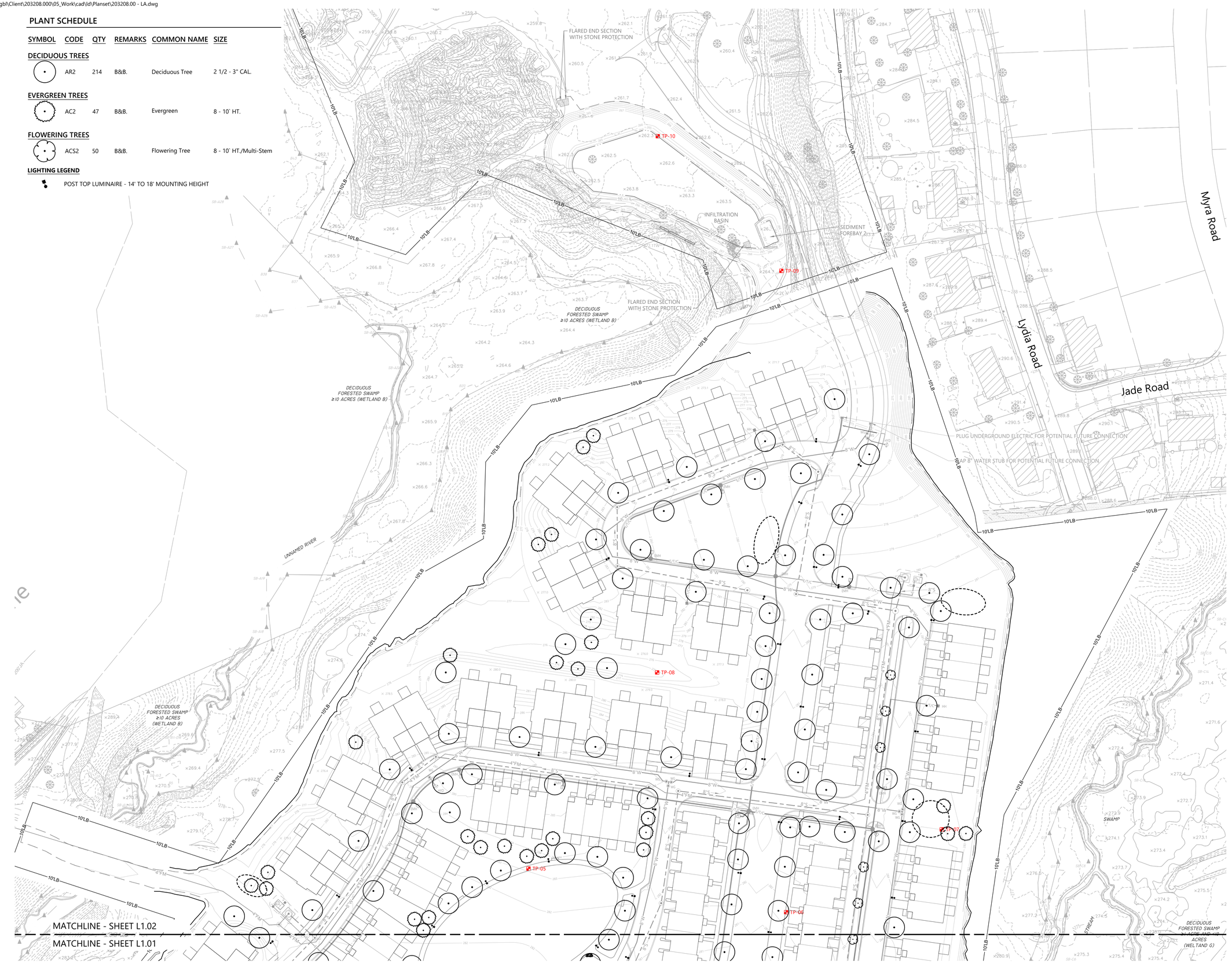
Saved Friday, October 2, 2026 10:57:33 AM ALOUW Plotted Friday, October 2, 2026 4:53:37 PM Antonio Lucchetti

PLANT SCHEDULE

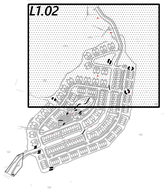
SYMBOL	CODE	QTY	REMARKS	COMMON NAME	SIZE
DECIDUOUS TREES					
	AR2	214	B&B.	Deciduous Tree	2 1/2 - 3" CAL.
EVERGREEN TREES					
	AC2	47	B&B.	Evergreen	8 - 10` HT.
FLOWERING TREES					
	ACS2	50	B&B.	Flowering Tree	8 - 10` HT./Multi-Stem

LIGHTING LEGEND

POST TOP LUMINAIRE - 14' TO 18' MOUNTING HEIGHT



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Key

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The Dunes

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Coventry, Rhode Island

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Drawing Title

Planting Plan Enlargement

REGISTERED LANDSCAPE ARCHITECT ANDREW LOUW No. 792

Drawing Number

L1.02

Sheet

20 of 24

Project Number

203208.00

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0 25 50 100Feet

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

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Drawing Title

Central Common Materials & Layout Plan

REGISTERED LANDSCAPE ARCHITECT
ANDREW LOUW
No. 792

Drawing Number

L1.03

Sheet

21 of 24

Project Number

203208.00

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0 15 30 60 Feet

The Dunes

AP 13, Lot 14, Parcel 2
AP 14, Lot 65, Parcel 3
Coventry, Rhode Island

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Drawing Title

Central Common Grading & Planting Plan

REGISTERED LANDSCAPE ARCHITECT
ANDREW LOUW
No. 792

Drawing Number

L1.04

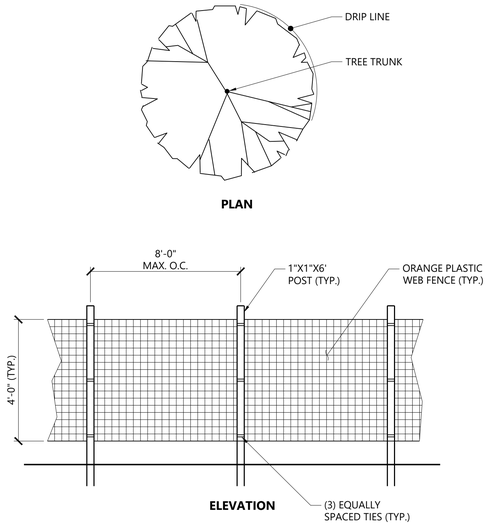
Sheet

22 of 24

Project Number

203208.00

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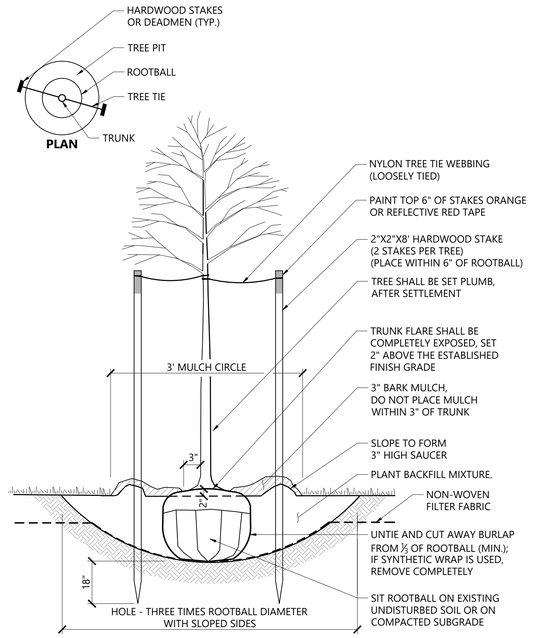
NOTES

1. INSTALL TREE PROTECTION FENCE AT THE DRIP LINE OF EXISTING TREES TO REMAIN.

Tree Protection Fence

1/16

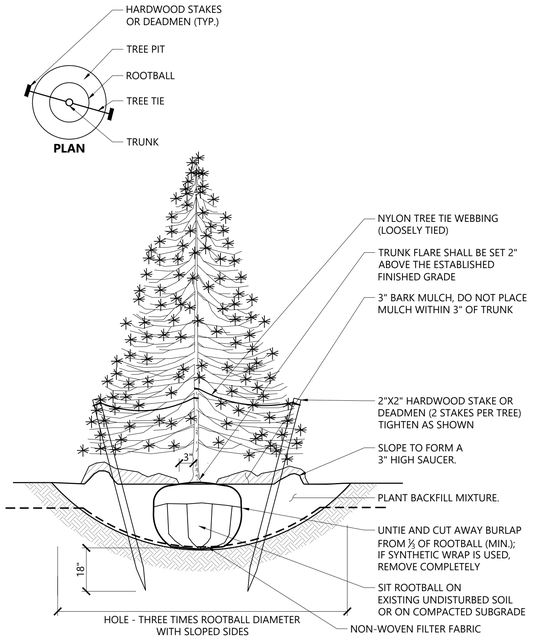
N.T.S. Source: VHB LD_610



Deciduous Tree Planting

9/21

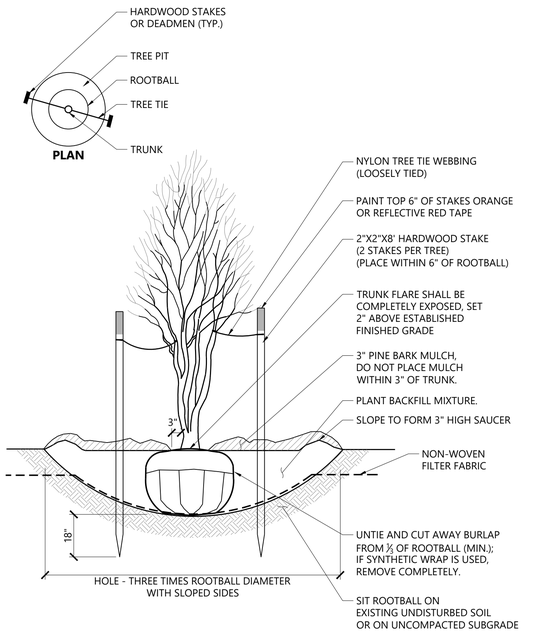
N.T.S. Source: VHB LD_602



Evergreen Tree Planting

9/21

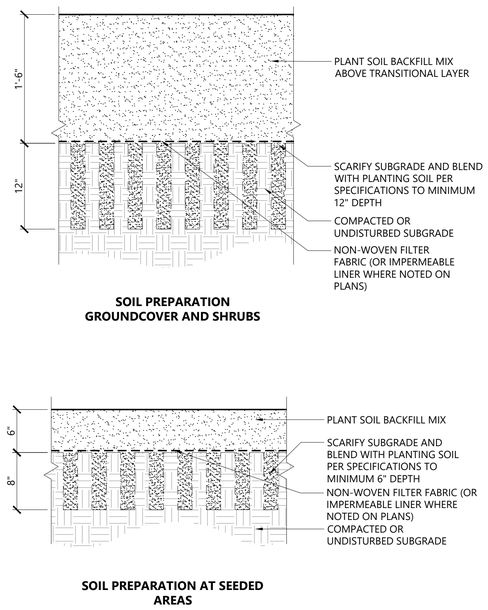
N.T.S. Source: VHB LD_604



Multistem Tree Planting

9/21

N.T.S. Source: VHB LD_606



Soil Preparation

3/25

N.T.S. Source: VHB LD_

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The Dunes

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Coventry, Rhode Island

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October 2, 2026

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Drawing Title

Landscape Details

REGISTERED LANDSCAPE ARCHITECT ANDREW LOUW No. 792

Drawing Number

L2.00

Sheet

23 of 24

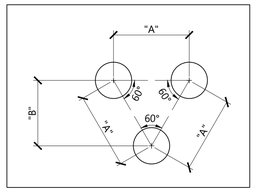
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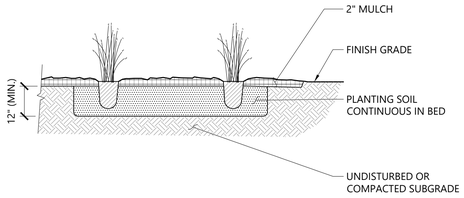
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PLANT SPACING

PLANT SPACING("A")	ROW SPACING ("B")
6 IN. O.C.	5 IN. O.C.
8 IN. O.C.	7 IN. O.C.
10 IN. O.C.	8 ½ IN. O.C.
12 IN. O.C.	10 ½ IN. O.C.
15 IN. O.C.	13 IN. O.C.
18 IN. O.C.	16 IN. O.C.
24 IN. O.C.	21 IN. O.C.
30 IN. O.C.	26 IN. O.C.
36 IN. O.C.	30 IN. O.C.
48 IN. O.C.	42 IN. O.C.
54 IN. O.C.	48 IN. O.C.
60 IN. O.C.	54 IN. O.C.

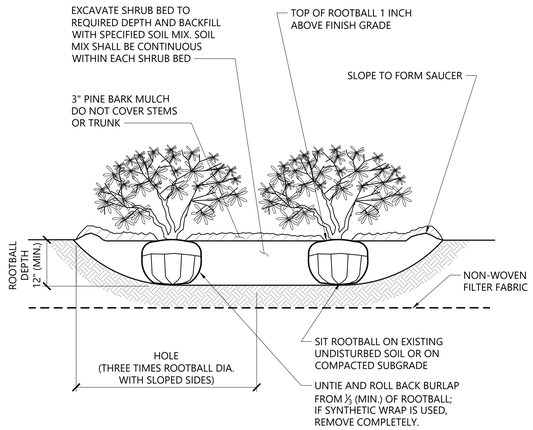




Perennial and Ornamental Grass Planting

1/16

N.T.S. Source: VHB LD_618



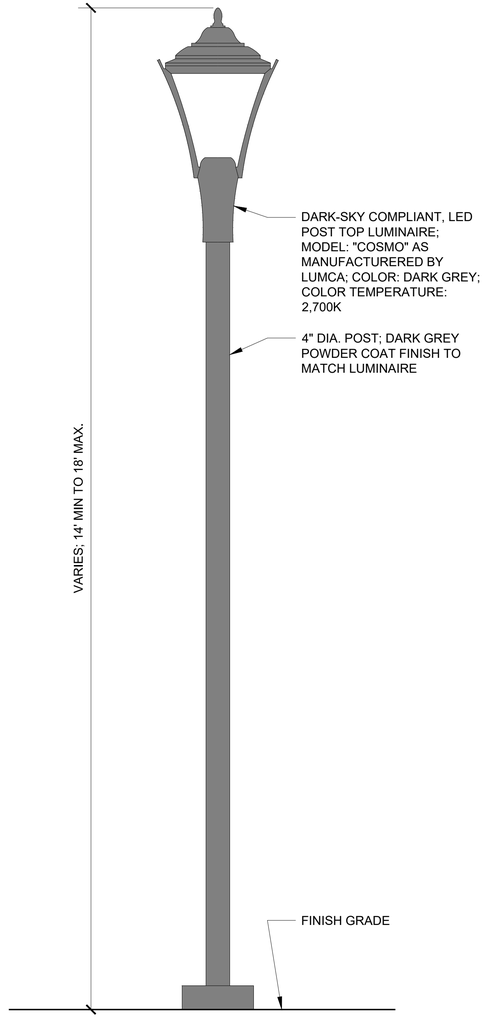
NOTES

1. LOOSEN ROOTS AT THE OUTER EDGE OF ROOTBALL OF CONTAINER GROWN SHRUBS.

Shrub Bed Planting

1/16

N.T.S. Source: VHB LD_601



POST TOP LUMINAIRE

5/05

N.T.S. Source: VHB 1



Representative Monumental Entry Sign

5/05

N.T.S. Source: VHB 1

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The Dunes

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Coventry, Rhode Island

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Date

October 2, 2026

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Drawing Title

Landscape Details

REGISTERED LANDSCAPE ARCHITECT ANDREW LOUW No. 792

Drawing Number

L2.01

Sheet

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Project Number

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SOIL INFORMATION:

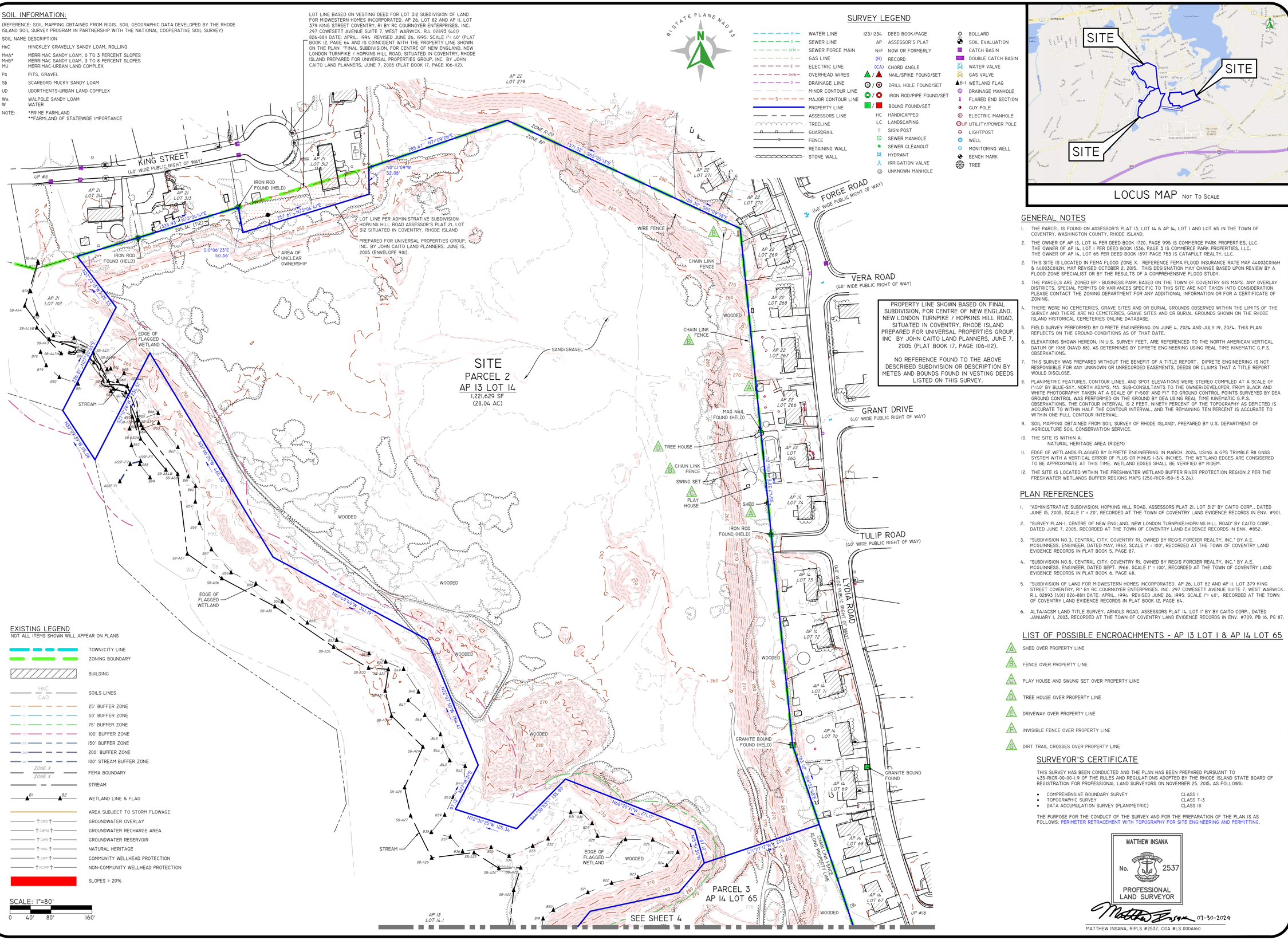
(REFERENCE: SOIL MAPPING OBTAINED FROM RIGIS. SOIL GEOGRAPHIC DATA DEVELOPED BY THE RHODE ISLAND SOIL SURVEY PROGRAM IN PARTNERSHIP WITH THE NATIONAL COOPERATIVE SOIL SURVEY)

SOIL NAME	DESCRIPTION
HkC	HINCKLEY GRAVELLY SANDY LOAM, ROLLING
MmA*	MERRIMAC SANDY LOAM, 0 TO 3 PERCENT SLOPES
MmB*	MERRIMAC SANDY LOAM, 3 TO 8 PERCENT SLOPES
MU	MERRIMAC-URBAN LAND COMPLEX
Pg	PITS, GRAVEL
Sb	SCARBORO MUCKY SANDY LOAM
UD	UDORTHENTS-URBAN LAND COMPLEX
Wa	WALPOLE SANDY LOAM
W	WATER

NOTE: *PRIME FARMLAND
**FARMLAND OF STATEWIDE IMPORTANCE

LOT LINE BASED ON VESTING DEED FOR LOT 312 SUBDIVISION OF LAND FOR MIDWESTERN HOMES INCORPORATED. AP 26, LOT 82 AND AP 11, LOT 379 KING STREET COVENTRY, RI BY RC COURNOYER ENTERPRISES. INC. 297 COWESETT AVENUE SUITE 7, WEST WARWICK. R.L 02893 (401) 826-8811 DATE: APRIL, 1994 REVISED JUNE 26, 1995: SCALE 1"= 40' (PLAT BOOK 12, PAGE 64 AND IS COINCIDENT WITH THE PROPERTY LINE SHOWN ON THE PLAN "FINAL SUBDIVISION, FOR CENTRE OF NEW ENGLAND, NEW LONDON TURNPIKE / HOPKINS HILL ROAD, SITUATED IN COVENTRY, RHODE ISLAND PREPARED FOR UNIVERSAL PROPERTIES GROUP, INC BY JOHN CAITO LAND PLANNERS, JUNE 7, 2005 (PLAT BOOK 17, PAGE 106-112).

LOT LINE PER ADMINISTRATIVE SUBDIVISION HOPKINS HILL ROAD ASSESSOR'S PLAT 21, LOT 312 SITUATED IN COVENTRY. RHODE ISLAND PREPARED FOR UNIVERSAL PROPERTIES GROUP, INC. BY JOHN CAITO LAND PLANNERS, JUNE 15, 2005 (ENVELOPE 901).



PROPERTY LINE SHOWN BASED ON FINAL SUBDIVISION, FOR CENTRE OF NEW ENGLAND, NEW LONDON TURNPIKE / HOPKINS HILL ROAD, SITUATED IN COVENTRY, RHODE ISLAND PREPARED FOR UNIVERSAL PROPERTIES GROUP, INC BY JOHN CAITO LAND PLANNERS, JUNE 7, 2005 (PLAT BOOK 17, PAGE 106-112).

NO REFERENCE FOUND TO THE ABOVE DESCRIBED SUBDIVISION OR DESCRIPTION BY METES AND BOUNDS FOUND IN VESTING DEEDS LISTED ON THIS SURVEY.

SURVEY LEGEND

- WATER LINE
- SEWER LINE
- SEWER FORCE MAIN
- GAS LINE
- ELECTRIC LINE
- OVERHEAD WIRES
- DRAINAGE LINE
- MINOR CONTOUR LINE
- MAJOR CONTOUR LINE
- PROPERTY LINE
- ASSESSORS LINE
- TREELINE
- GUARDRAIL
- FENCE
- RETAINING WALL
- STONE WALL

- 123/1234 DEED BOOK/PAGE
- AP ASSESSOR'S PLAT
- N/F NOW OR FORMERLY
- (R) RECORD
- (CA) CHORD ANGLE
- NAIL/SPIKE FOUND/SET
- DRILL HOLE FOUND/SET
- IRON ROD/PIPE FOUND/SET
- BOUND FOUND/SET
- HC HANDICAPPED
- LC LANDSCAPING
- SIGN POST
- SEWER MANHOLE
- SEWER CLEANOUT
- HYDRANT
- IRRIGATION VALVE
- UNKNOWN MANHOLE

- BOLLARD
- SOIL EVALUATION
- CATCH BASIN
- DOUBLE CATCH BASIN
- WATER VALVE
- GAS VALVE
- WETLAND FLAG
- DRAINAGE MANHOLE
- FLARED END SECTION
- GUY POLE
- ELECTRIC MANHOLE
- UP UTILITY/POWER POLE
- LIGHTPOST
- WELL
- MONITORING WELL
- BENCH MARK
- TREE

EXISTING LEGEND

NOT ALL ITEMS SHOWN WILL APPEAR ON PLANS

- TOWN/CITY LINE
- ZONING BOUNDARY
- BUILDING
- SOILS LINES
- 25' BUFFER ZONE
- 50' BUFFER ZONE
- 75' BUFFER ZONE
- 100' BUFFER ZONE
- 150' BUFFER ZONE
- 200' BUFFER ZONE
- 100' STREAM BUFFER ZONE
- FEMA BOUNDARY
- STREAM
- WETLAND LINE & FLAG
- AREA SUBJECT TO STORM FLOWAGE
- GROUNDWATER OVERLAY
- GROUNDWATER RECHARGE AREA
- GROUNDWATER RESERVOIR
- NATURAL HERITAGE
- COMMUNITY WELLHEAD PROTECTION
- NON-COMMUNITY WELLHEAD PROTECTION
- SLOPES > 20%

SCALE: 1"=80'

0 40' 80' 160'

LOCUS MAP NOT TO SCALE

GENERAL NOTES

1. THE PARCEL IS FOUND ON ASSESSOR'S PLAT 13, LOT 14 & AP 14, LOT 1 AND LOT 65 IN THE TOWN OF COVENTRY, WASHINGTON COUNTY, RHODE ISLAND.
2. THE OWNER OF AP 13, LOT 14 PER DEED BOOK 1720, PAGE 995 IS COMMERCE PARK PROPERTIES, LLC. THE OWNER OF AP 14, LOT 1 PER DEED BOOK 1536, PAGE 3 IS COMMERCE PARK PROPERTIES, LLC. THE OWNER OF AP 14, LOT 65 PER DEED BOOK 1897 PAGE 753 IS CATAPULT REALTY, LLC.
2. THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44003C0116H & 44003C0112H, MAP REVISED OCTOBER 2, 2015. THIS DESIGNATION MAY CHANGE BASED UPON REVIEW BY A FLOOD ZONE SPECIALIST OR BY THE RESULTS OF A COMPREHENSIVE FLOOD STUDY.
3. THE PARCELS ARE ZONED BP - BUSINESS PARK BASED ON THE TOWN OF COVENTRY GIS MAPS. ANY OVERLAY DISTRICTS, SPECIAL PERMITS OR VARIANCES SPECIFIC TO THIS SITE ARE NOT TAKEN INTO CONSIDERATION. PLEASE CONTACT THE ZONING DEPARTMENT FOR ANY ADDITIONAL INFORMATION OR FOR A CERTIFICATE OF ZONING.
4. THERE WERE NO CEMETERIES, GRAVE SITES AND OR BURIAL GROUNDS OBSERVED WITHIN THE LIMITS OF THE SURVEY AND THERE ARE NO CEMETERIES, GRAVE SITES AND OR BURIAL GROUNDS SHOWN ON THE RHODE ISLAND HISTORICAL CEMETERIES ONLINE DATABASE.
5. FIELD SURVEY PERFORMED BY DIPRETE ENGINEERING ON JUNE 4, 2024 AND JULY 19, 2024. THIS PLAN REFLECTS ON THE GROUND CONDITIONS AS OF THAT DATE.
6. ELEVATIONS SHOWN HEREON, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS DETERMINED BY DIPRETE ENGINEERING USING REAL TIME KINEMATIC G.P.S. OBSERVATIONS.
7. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY UNKNOWN OR UNRECORDED EASEMENTS, DEEDS OR CLAIMS THAT A TITLE REPORT WOULD DISCLOSE.
8. PLANIMETRIC FEATURES, CONTOUR LINES, AND SPOT ELEVATIONS WERE STEREO COMPILED AT A SCALE OF 1"=40' BY BLUE-SKY, NORTH ADAMS, MA. SUB-CONSULTANTS TO THE OWNER/DEVELOPER, FROM BLACK AND WHITE PHOTOGRAPHY TAKEN AT A SCALE OF 1"=500' AND FIT TO GROUND CONTROL POINTS SURVEYED BY DEA GROUND CONTROL WAS PERFORMED ON THE GROUND BY DEA USING REAL TIME KINEMATIC G.P.S. OBSERVATIONS. THE CONTOUR INTERVAL IS 2 FEET. NINETY PERCENT OF THE TOPOGRAPHY AS DEPICTED IS ACCURATE TO WITHIN HALF THE CONTOUR INTERVAL, AND THE REMAINING TEN PERCENT IS ACCURATE TO WITHIN ONE FULL CONTOUR INTERVAL.
9. SOIL MAPPING OBTAINED FROM SOIL SURVEY OF RHODE ISLAND', PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
10. THE SITE IS WITHIN A:
    NATURAL HERITAGE AREA (RIDEM)
11. EDGE OF WETLANDS FLAGGED BY DIPRETE ENGINEERING IN MARCH, 2024, USING A GPS TRIMBLE R8 GNSS SYSTEM WITH A VERTICAL ERROR OF PLUS OR MINUS 1-3/4 INCHES. THE WETLAND EDGES ARE CONSIDERED TO BE APPROXIMATE AT THIS TIME. WETLAND EDGES SHALL BE VERIFIED BY RIDEM.
12. THE SITE IS LOCATED WITHIN THE FRESHWATER WETLAND BUFFER RIVER PROTECTION REGION 2 PER THE FRESHWATER WETLANDS BUFFER REGIONS MAPS (250-RICR-150-15-3.24).

PLAN REFERENCES

1. "ADMINISTRATIVE SUBDIVISION, HOPKINS HILL ROAD, ASSESSORS PLAT 21, LOT 312" BY CAITO CORP., DATED JUNE 15, 2005, SCALE 1" = 20', RECORDED AT THE TOWN OF COVENTRY LAND EVIDENCE RECORDS IN ENV. #901.
2. "SURVEY PLAN-I, CENTRE OF NEW ENGLAND, NEW LONDON TURNPIKE/HOPKINS HILL ROAD" BY CAITO CORP., DATED JUNE 7, 2005, RECORDED AT THE TOWN OF COVENTRY LAND EVIDENCE RECORDS IN ENV. #852.
3. "SUBDIVISION NO.3, CENTRAL CITY, COVENTRY RI, OWNED BY REGIS FORCIER REALTY, INC." BY A.E. MCGUINNESS, ENGINEER, DATED MAY, 1962, SCALE 1" = 100', RECORDED AT THE TOWN OF COVENTRY LAND EVIDENCE RECORDS IN PLAT BOOK 5, PAGE 87.
4. "SUBDIVISION NO.5, CENTRAL CITY, COVENTRY RI, OWNED BY REGIS FORCIER REALTY, INC." BY A.E. MCGUINNESS, ENGINEER, DATED SEPT. 1966, SCALE 1" = 100', RECORDED AT THE TOWN OF COVENTRY LAND EVIDENCE RECORDS IN PLAT BOOK 6, PAGE 48.
5. "SUBDIVISION OF LAND FOR MIDWESTERN HOMES INCORPORATED. AP 26, LOT 82 AND AP 11, LOT 379 KING STREET COVENTRY, RI" BY RC COURNOYER ENTERPRISES. INC. 297 COWESETT AVENUE SUITE 7, WEST WARWICK. R.L 02893 (401) 826-8811 DATE: APRIL, 1994 REVISED JUNE 26, 1995: SCALE 1"= 40', RECORDED AT THE TOWN OF COVENTRY LAND EVIDENCE RECORDS IN PLAT BOOK 12, PAGE 64.
6. ALTA/ACSM LAND TITLE SURVEY, ARNOLD ROAD, ASSESSORS PLAT 14, LOT 1" BY BY CAITO CORP., DATED JANUARY 1, 2003, RECORDED AT THE TOWN OF COVENTRY LAND EVIDENCE RECORDS IN ENV. #709, PB 16, PG 87.

LIST OF POSSIBLE ENCROACHMENTS - AP 13 LOT 1 & AP 14 LOT 65

- A SHED OVER PROPERTY LINE
- B FENCE OVER PROPERTY LINE
- C PLAY HOUSE AND SWUNG SET OVER PROPERTY LINE
- D TREE HOUSE OVER PROPERTY LINE
- E DRIVEWAY OVER PROPERTY LINE
- F INVISIBLE FENCE OVER PROPERTY LINE
- G DIRT TRAIL CROSSES OVER PROPERTY LINE

SURVEYOR'S CERTIFICATE

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO A.55-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

• COMPREHENSIVE BOUNDARY SURVEY	CLASS I
• TOPOGRAPHIC SURVEY	CLASS T-3
• DATA ACCUMULATION SURVEY (PLANIMETRIC)	CLASS III

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: PERIMETER RETRACEMENT WITH TOPOGRAPHY FOR SITE ENGINEERING AND PERMITTING.

MATTHEW INSANA
No. 2537
PROFESSIONAL LAND SURVEYOR

07-30-2024

MATTHEW INSANA, RIPLS #2537, COA #LS.000A160

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.diprete-eng.com
Boston • Providence • Newport

NICOLE M. W. REILLY
No. 18573
REGISTERED PROFESSIONAL ENGINEER
CIVIL
7-30-24

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE ORIGINAL SIGNATURE AND SEAL OF A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.

DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE ENGINEERING TITLE BLOCK STAMPED BY REGISTERED PROFESSIONAL ENGINEER. ANY OTHER PLANS DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY.

THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND SAFETY IN CONFORMANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.

EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND NOT GUARANTEED TO BE COMPLETE. CONTRACTOR IS LIABLE FOR DAMAGES INCURRED DUE TO LOCATIONS OF EXISTING UTILITIES.

NO.	DATE	DESCRIPTION	BY:
0	10-30-2024	MASTER PLAN SUBMISSION	J.A.R.
			DESIGN BY: D.R.N.
			DRAWN BY: J.A.R.

EXISTING CONDITIONS PLAN - 1

CENTRE OF NEW ENGLAND - PARCELS 2, 3 & 4

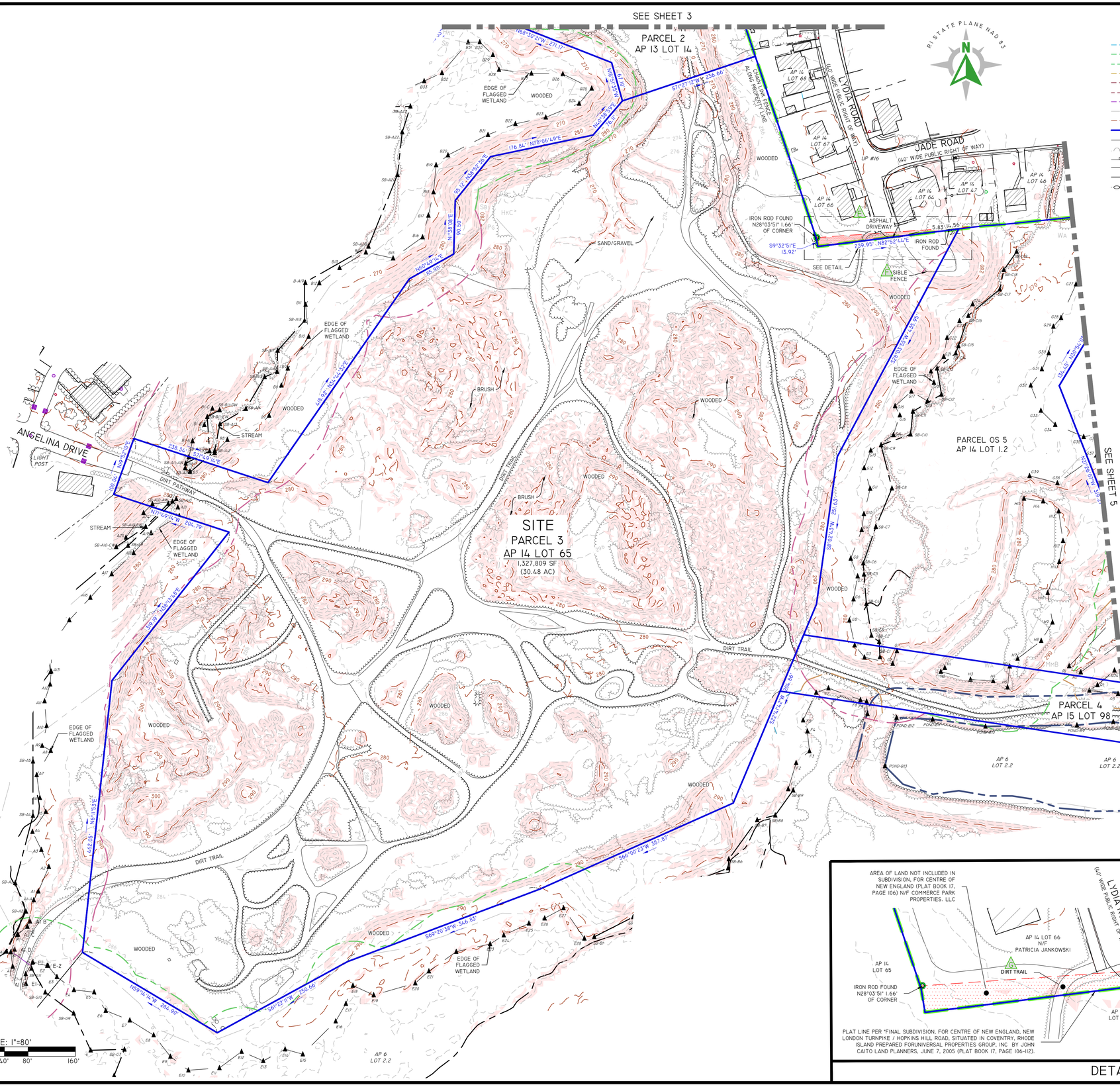
ASSESSOR'S PLAT 13, LOT 14, ASSESSOR'S PLAT 14 LOTS 1 & 65
COVENTRY, RHODE ISLAND

PREPARED FOR:
STARR RESOLUTE
275 DEPOT AVENUE
PORTSMOUTH, RI 02871

DE JOB No. 1915-05-CIS COPYRIGHT 2024 BY DIPRETE ENGINEERING ASSOCIATES, INC.

SHEET 3 OF 9

Z:\DEPMAIN\PROJECTS\1915-05\5-C STARR CAPITAL CENTRE OF NEW ENGLAND\AUTOCAD DRAWINGS\1915-305-EXCD.DWG PLOTTED: 7/30/2024



SURVEY LEGEND

WATER LINE	123/1234	DEED BOOK/PAGE	BOLLARD
SEWER LINE	AP	ASSESSOR'S PLAT	SOIL EVALUATION
SEWER FORCE MAIN	N/F	NOW OR FORMERLY	CATCH BASIN
GAS LINE	(R)	RECORD	DOUBLE CATCH BASIN
ELECTRIC LINE	(CA)	CHORD ANGLE	WATER VALVE
OVERHEAD WIRES		NAIL/SPIKE FOUND/SET	GAS VALVE
DRAINAGE LINE		DRILL HOLE FOUND/SET	WETLAND FLAG
MINOR CONTOUR LINE		IRON ROD/PIPE FOUND/SET	DRAINAGE MANHOLE
MAJOR CONTOUR LINE		BOUND FOUND/SET	FLARED END SECTION
PROPERTY LINE	HC	HANDICAPPED	GUY POLE
ASSESSORS LINE	LC	LANDSCAPING	ELECTRIC MANHOLE
TREELINE		SIGN POST	UTILITY/POWER POLE
GUARDRAIL		SEWER MANHOLE	LIGHTPOST
FENCE		SEWER CLEANOUT	WELL
RETAINING WALL		HYDRANT	MONITORING WELL
STONE WALL		IRRIGATION VALVE	BENCH MARK
		UNKNOWN MANHOLE	TREE

EXISTING LEGEND

NOT ALL ITEMS SHOWN WILL APPEAR ON PLANS

- TOWN/CITY LINE
- ZONING BOUNDARY
- BUILDING
- SOILS LINES
- 25' BUFFER ZONE
- 50' BUFFER ZONE
- 75' BUFFER ZONE
- 100' BUFFER ZONE
- 150' BUFFER ZONE
- 200' BUFFER ZONE
- 100' STREAM BUFFER ZONE
- FEMA BOUNDARY
- STREAM
- WETLAND LINE & FLAG
- AREA SUBJECT TO STORM FLOWAGE
- GROUNDWATER OVERLAY
- GROUNDWATER RECHARGE AREA
- GROUNDWATER RESERVOIR
- NATURAL HERITAGE
- COMMUNITY WELLHEAD PROTECTION
- NON-COMMUNITY WELLHEAD PROTECTION
- SLOPES > 20%

SURVEYOR'S CERTIFICATE

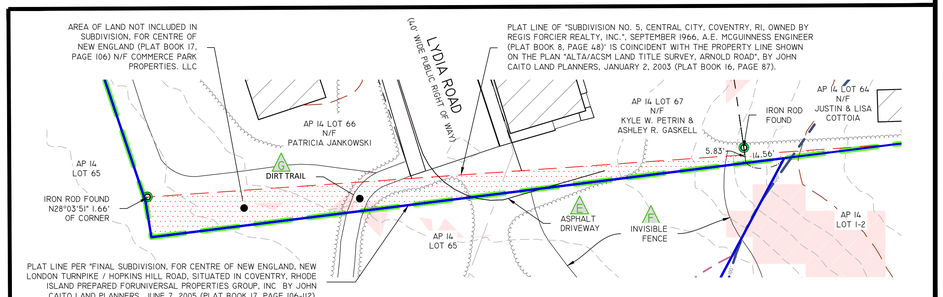
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 435-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

- COMPREHENSIVE BOUNDARY SURVEY — CLASS I
- TOPOGRAPHIC SURVEY — CLASS T-3
- DATA ACCUMULATION SURVEY (PLANIMETRIC) — CLASS III

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: PERIMETER RETRACEMENT WITH TOPOGRAPHY FOR SITE ENGINEERING AND PERMITTING.

ROBERT G. BABCOCK
No. 2504
PROFESSIONAL LAND SURVEYOR
07/30/24

ROBERT G. BABCOCK, RIPLS #2504, COA #LS.000A160



DETAIL NOT TO SCALE

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Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6006 www.diprete-eng.com
Boston • Providence • Newport

NICOLE M. W. REILLY
No. 8573
REGISTERED PROFESSIONAL ENGINEER
CIVIL

THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS IT HAS BEEN SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.

DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE ENGINEERING TITLE BLOCK STAMPED BY REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING DOES NOT WARRANT PLANS BY ANY OTHER PARTY.

THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS AND SAFETY PRECAUTIONS REQUIRED BY OSHA FOR CONFORMANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.

EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR ALL OF THE MEANS, METHODS AND SAFETY PRECAUTIONS REQUIRED BY OSHA FOR CONFORMANCE IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.

THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGES INCURRED DUE TO LOCATIONS OF EXISTING UTILITIES.

NO	DATE	DESCRIPTION	BY
0	07-30-2024	MASTER PLAN SUBMISSION	J.A.R.

DRAWN BY: J.A.R. DESIGN BY: D.R.N.

EXISTING CONDITIONS PLAN - 2

CENTRE OF NEW ENGLAND - PARCELS 2, 3 & 4

ASSESSOR'S PLAT 14, LOTS 1, 65
COVENTRY, RHODE ISLAND

PREPARED FOR:
STARR RESOLUTE
275 DEPOT AVENUE
PORTSMOUTH, RI 02871

SHEET 4 OF 9

ESE JOB NO. 943-005-005 COPYRIGHT 2024 BY DIPRETE ENGINEERING ASSOCIATES, INC.

Z:\DEPMAIN\PROJECTS\1943-005-C STARR CAPITAL CENTRE OF NEW ENGLAND\AUTOCAD DRAWINGS\1943-005-EXCD.DWG PLOTTED: 7/30/2024