PRELIMINARY PLAN SUBMISSION
SITE PLANS

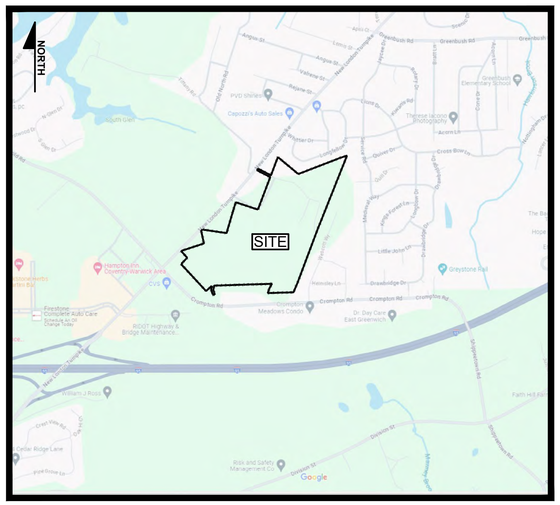
FOR

NEW LONDON PRESERVE

A.P. 7, LOT 25, A.P. 8, LOTS 2, 3 & 9 AND
A.P. 16, LOT 133

SITUATED

NEW LONDON TURNPIKE
COVENTRY, R.I.



LOCUS MAP
SCALE: 1"=1000'

OWNERS:
ALPHA HOLDINGS, LLC
ANTHONY & MONICA PAOLINO
DMs INVESTMENTS, LLC

APPLICANT:
ALPHA HOLDINGS, LLC
213 VISTAS COURT
EAST GREENWICH, RI 02818

SHEET INDEX

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C-8.0	PROFILE - 1	-
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C-9.3	CONSTRUCTION DETAILS - 4	-

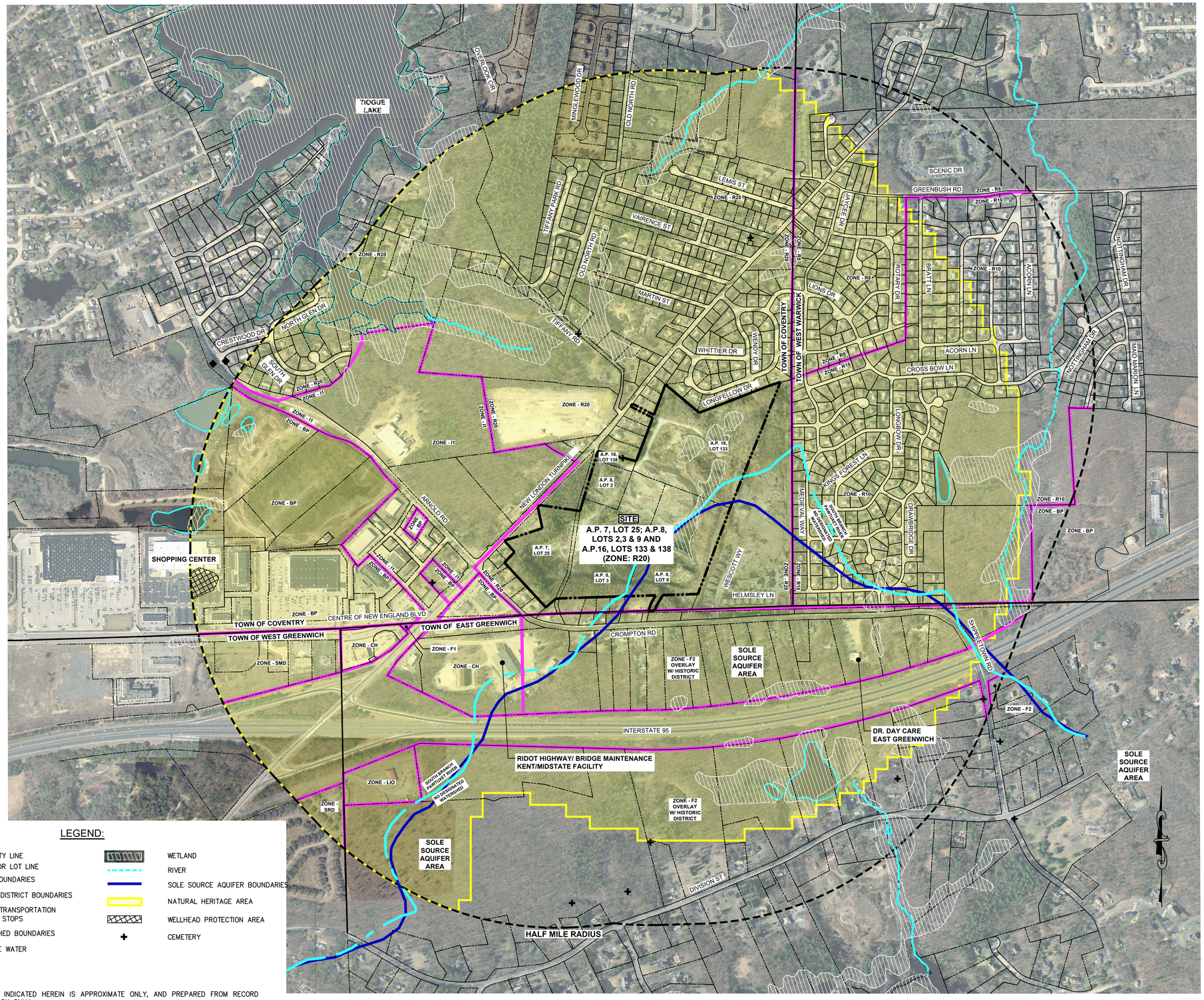
PREPARED BY:

GAROFALO

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS \ SURVEYORS
LAND PLANNERS \ ENVIRONMENTAL SCIENTISTS
85 CORLISS STREET
P.O. BOX 6145
PROVIDENCE, RI 02940
(PH) 401-273-6000 (FX) 401-273-1000
JOB #7492.00

DATED:
OCTOBER, 2024
(REVISED AUGUST 18, 2025)

SAMUEL S. HEMENWAY
No. 6349
REGISTERED PROFESSIONAL ENGINEER
08-18-25
PROJECT ENGINEER
SAMUEL HEMENWAY



LEGEND:

- PROPERTY LINE
- ASSESSOR LOT LINE
- TOWN BOUNDARIES
- ZONE - BP / ZONE - I1 — ZONING DISTRICT BOUNDARIES
- PUBLIC TRANSPORTATION ROUTE/ STOPS
- HUNT RIVER / SOUTH BRANCH PAWTUXET RIVER — WATERSHED BOUNDARIES
- SURFACE WATER
- WETLAND
- RIVER
- SOLE SOURCE AQUIFER BOUNDARIES
- NATURAL HERITAGE AREA
- WELLHEAD PROTECTION AREA
- CEMETERY

SHEET NOTES:

1. THE EXISTING CONDITIONS INDICATED HEREIN IS APPROXIMATE ONLY, AND PREPARED FROM RECORD PLANS AND GIS INFORMATION ONLY.
2. THERE ARE NO PARK, FIRE OR POLICE STATIONS WITHIN HALF MILE RADIUS OF THE SITE. THE SITE IS NOT LOCATED WITHIN PRIME AGRICULTURAL SOIL AND IS LOCATED IN THE GROUNDWATER PROTECTION AREA (GA).
3. THE PROJECT IS LOCATED WITHIN THE CENTRAL FIRE DISTRICT.

1" = 400' 0 200 400 800 1600 2400 feet

VICINITY MAP

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9 AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE
COVENTRY, RI

PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

PROJECT ENGINEER
SAMUEL HEMENWAY

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS|SURVEYORS
LAND PLANNERS|ENVIRONMENTAL SCIENTISTS

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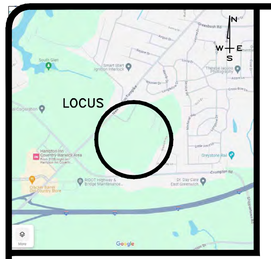
JOB NO. 7492.00	DRAWN BY K.Y.Y.
DWG. NO. 7492-00-PRELIM VICINITY MAP	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: MAY, 2025

SHEET

G-1

L:\7492-00 New London Turnpike (Paolino) - Coventry, RI\dwg\01-Current\7492-00-Prelim Vicinity Map.dwg 08/19/2025 kyingyong 09:17



LOCUS MAP
N.T.S.

PARCEL DATA

N/F
ALPHA HOLDINGS LLC ETAL
TOTAL LOT AREAS:
2,240,657 S.F.± OR
51.44 ACRES±

GENERAL LEGEND & ABBREVIATIONS

ASSESSORS LINE
EASEMENT LINE
LOCUS PROPERTY LINE
STATE HIGHWAY LINE
CITY OR TOWN LINE
DELETED LOT LINE
FENCE – CHAIN LINK
FENCE – PVC
FENCE – STOCKADE
FENCE – WIRE
STONE WALL

(Ex) POSSIBLE ENCROACHMENT
BK./PG. BOOK/PAGE
CLF CHAIN LINK FENCE
FNC FENCE
NW'LY NORTHWESTERLY
SAF STOCKADE FENCE
SHL STATE HIGHWAY LINE
TSL TOWN STREET LINE

PLAN REFERENCES:

1. "EXISTING CONDITIONS PLAN, CROMPTON MEADOWS, EAST GREENWICH A.P. 13, LOT 25 COVENTRY A.P. 8, LOT 11.1" PREPARED FOR CROMPTON MEADOWS, LLC BY MILLSTONE ENGINEERING, P.C., DATED JULY 2018, FILE NO. 16.245.350.
2. "FINAL FOR NOTTINGHAM–ESTATES–SECTION NO. 4" SITUATED IN WEST WARWICK, RHODE ISLAND (A.P. 12 LOTS 1, 27, 28, 31, & 32) OWNER/ DEVELOPER TRI–TOWN ASSOCIATES, BY: KIRK D. ANDREWS REGISTERED LAND SURVEYOR, DATED JUNE, 89, IN THREE SHEETS, PLAT CARDS 277A, 277B AND 277C.
3. "TURNPIKE TERRACE" COVENTRY, R.I. OWNED BY NORMAN E. GUILLESPIE ET. UX. DATED JUNE, 1964, BY A.E. McGUINNES ENG'R, SUBMITTED BY ROBERT B. BOYER & ASSOC., SEPT. 1972, REVISED: NOV. 1972.
4. "SUBDIVISION NO. 2 GREEN BUSH MANOR" WEST WARWICK, R.I. OWNED BY GREEN BUSH MANOR, INC., DATED 1964, BY A.E. McGUINNESS ENG'R., PLAT CARD 217.
5. RHODE ISLAND DEPARTMENT OF TRANSPORTATION DIVISION OF PUBLIC WORKS:

   A. PLAT NO. 1686B: RECONSTRUCTION OF ARNOLD ROAD FROM: NEW LONDON TPKE. TO TIOGUE AVE. (RT. 3), SHEET 5B OF 13 SHEETS.

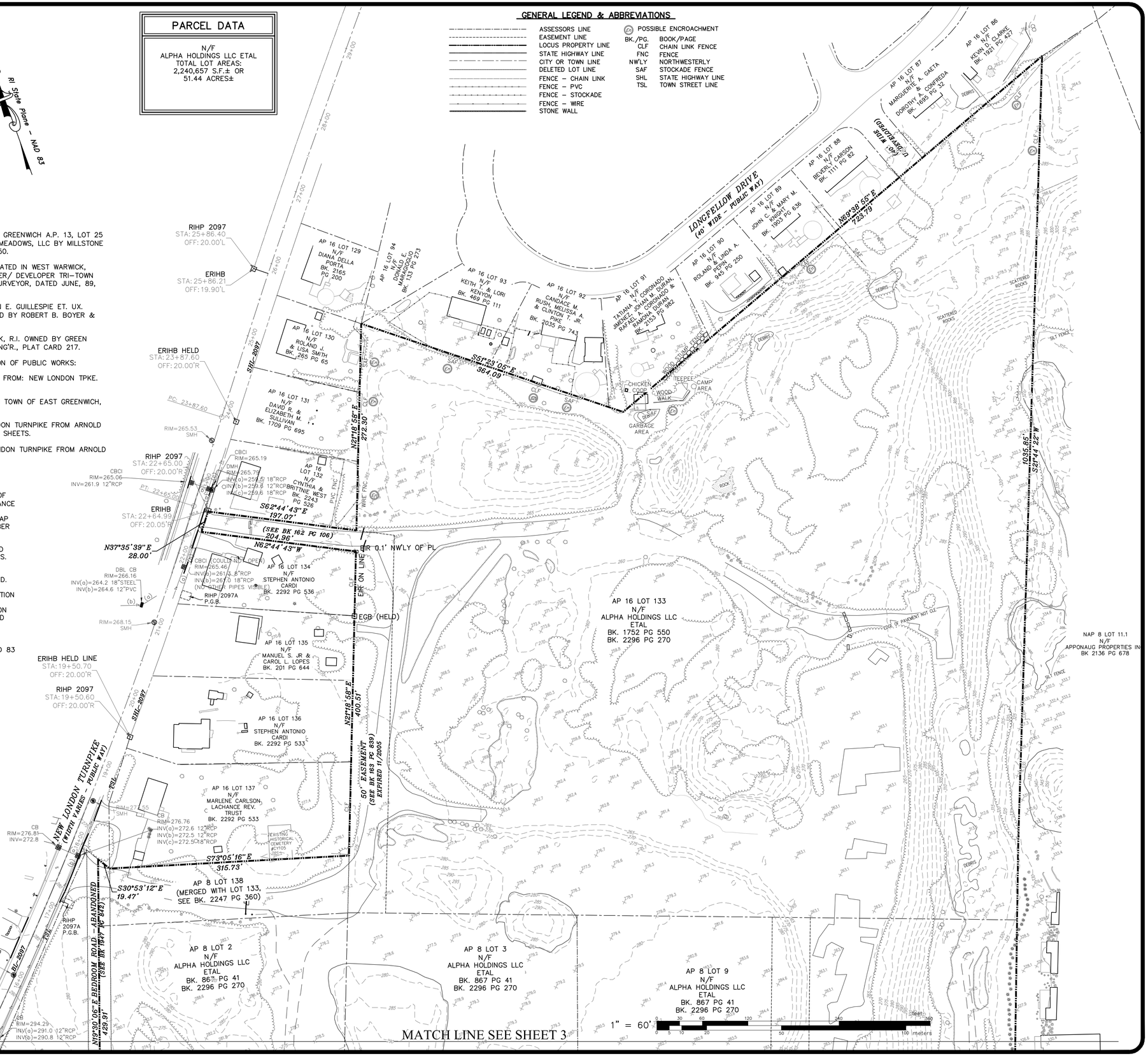
   B. PLAT NO. 1686C: TOWN OF COVENTRY, RHODE ISLAND TOWN OF EAST GREENWICH, RHODE ISLAND NEW LONDON TURNPIKE IN TWO SHEETS.

   C. PLAT NO. 2097: COVENTRY/WEST WARWICK NEW LONDON TURNPIKE FROM ARNOLD ROAD TO TIOGUE AVENUE (ROUTE 3) SHEETS 4–6 OF 11 SHEETS.

   D. PLAT NO. 2097A: COVENTRY/WEST WARWICK NEW LONDON TURNPIKE FROM ARNOLD ROAD TO TIOGUE AVENUE (ROUTE 3).

NOTES:

1. THE PROJECT SITE IS LOCATED WITHIN ZONE "X" (AREA OF MINIMAL FLOODING) AS SHOWN ON F.E.M.A. FLOOD INSURANCE RATE MAP FOR THE TOWN OF COVENTRY AND EAST GREENWICH, KENT COUNTY, RHODE ISLAND, COMMUNITY MAP NO. 44003C0116H, HAVING AN EFFECTIVE DATE OF OCTOBER 2, 2015.
2. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. (PLEASE CONTACT DIGSAFE PRIOR TO CONSTRUCTION @ 1–888–344–7233)
3. HORIZONTAL DATUM: RHODE ISLAND STATE PLANE – NAD 83
   VERTICAL DATUM: NAVD 88*
   *DATUM WAS DERIVED BY OBSERVED GPS ORTHOMETRIC HEIGHTS
   VARIATIONS BETWEEN LOCAL BENCHMARKS MAY APPLY.



EXISTING CONDITION SURVEY - 1
FOR
COVENTRY, RI
AP 7 LOT 25
AP 8 LOTS 1, 2, 3, 9 & 10
AP 16 LOT 133
EAST GREENWICH, RI
AP 77-13 LOT 33
SITUATED ON
NEW LONDON TURNPIKE,
BEDROOM ROAD & CROMPTON ROAD
PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE
1	added drainage on New London Turnpike	LFA	12–23–24

SAMUEL A. WHITE, JR.
No. 1781
PROFESSIONAL LAND SURVEYOR
12–23–2024

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS|SURVEYORS
LAND PLANNERS|ENVIRONMENTAL SCIENTISTS

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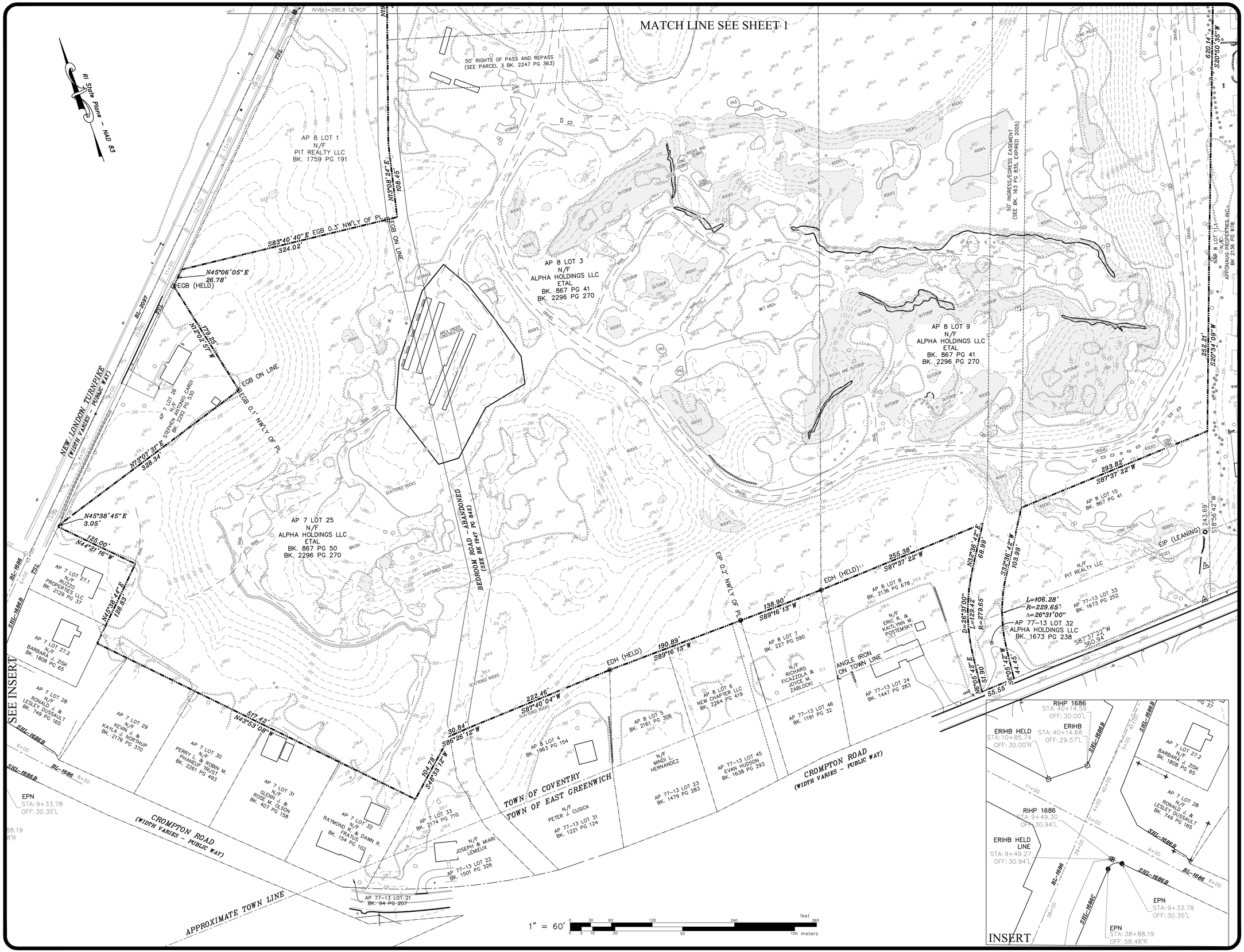
P.O. BOX 6145
PROVIDENCE, R.I. 02940
TEL. 401-273-6000

JOB NO. 7492.00	DRAWN BY RES/LFA
DWG. NO. 7492–00–ECS	CALCS BY RSE
SCALE: 1"=60'	APPROVED SAW
	DATE: APRIL, 2024

SHEET
ECS-1



EXISTING CONDITION SURVEY - 2
FOR
COVENTRY, RI
AP 7 LOT 25
AP 8 LOTS 1, 2, 3, 9 & 10
AP 16 LOT 133
EAST GREENWICH, RI
AP 77-13 LOT 33
SITUATED ON
NEW LONDON TURNPIKE,
BEDROOM ROAD & CROMPTON ROAD
PREPARED FOR
PIT REALTY LLC

NO.	REVISION	BY	DATE

SAMUEL A. WHITE, JR.
No. 1781
PROFESSIONAL LAND SURVEYOR
13-23-2024

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS|SURVEYORS
LAND PLANNERS|ENVIRONMENTAL SCIENTISTS

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PROVIDENCE, R.I. 02940
TEL. 401-273-6000

JOB NO. 7492.00	DRAWN BY RSE/LFA
DWG. NO. 7492-00-ECS	CALCS BY RSE
SCALE: 1"=60'	APPROVED SAW
	DATE: APRIL, 2024

SHEET

ECS-2

GENERAL CONSTRUCTION NOTES:

1. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE TRAILER AT ALL TIMES. DEVIATIONS OR CHANGES WILL NOT BE ALLOWED UNLESS BY WRITTEN APPROVAL FROM THE ENGINEER.

2. SITEWORK CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL APPROVALS FROM THE TOWN OF COVENTRY HAVE BEEN SECURED. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITS OBTAINED FOR ALL SITE WORK.

3. ALL IMPROVEMENTS INDICATED HEREON MUST COMPLY WITH THE 'AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINE (ADAAG)'. NOTE THAT THE DETAIL CONTAINED WITHIN THIS PLAN MAY NOT SHOW THE DETAIL NECESSARY TO CONSTRUCT WALKWAYS, RAMPS AND SPACES TO COMPLY WITH THE ADAAG REQUIREMENTS BUT THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE LEVEL OF CARE NECESSARY TO BE CERTAIN THAT THE CONSTRUCTED PRODUCT MEETS THESE STANDARDS.

4. THE CONTRACTOR MUST RETAIN THE SERVICES OF A REGISTERED LAND SURVEYOR IN THE STATE OF RHODE ISLAND TO LAYOUT ON THE GROUND ALL NEW ELEMENTS OF WORK. IF ANY WORK IS INSTALLED PRIOR TO THE ABOVE REQUIREMENT AND IF ANY WORK IS NOT SATISFACTORY TO THE ENGINEER, THE CONTRACTOR MUST REPLACE THE WORK AT NO ADDITIONAL COST TO THE OWNER.

5. THE CONTRACTOR SHALL VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, SITE CONDITIONS AND MATERIAL SPECIFICATIONS AND SHALL NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS OR DISCREPANCIES BEFORE COMMENCING, INSTALLING OR PROCEEDING WITH WORK.

6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER NECESSARY MEASURES NEEDED TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING UNDERGROUND UTILITIES AND FACILITIES ON THE DRAWINGS; HOWEVER, THE INFORMATION SHOWN IS FOR THE CONTRACTORS CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE ANY EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION, VERIFY ALL DIMENSIONS, SITE CONDITIONS AND MATERIALS. THE CONTRACTOR MUST CONTACT THE LOCAL UTILITY COMPANIES FOR EXACT LOCATION OF UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE START OF ANY WORK. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR.

7. THE CONTRACTOR MUST NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITIES IN THE AREA OF PROPOSED CONSTRUCTION, EXCAVATION OR BLASTING AT LEAST THREE WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO THE START OF ANY CONSTRUCTION, EXCAVATION OR BLASTING. ALL WATER, SEWER, GAS AND ALL OTHER UTILITIES MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

8. METHODS AND MATERIALS USED IN THE CONSTRUCTION OF IMPROVEMENTS SHALL CONFORM TO THE CURRENT CONSTRUCTION STANDARDS AND SPECIFICATIONS FOR THE TOWN OF COVENTRY AND THE STATE OF RHODE ISLAND DEPARTMENT OF TRANSPORTATION. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FEBRUARY 2025 EDITION WITH ALL REVISIONS AND ADDENDA, AND THE RHODE ISLAND STANDARD DETAILS 1998 EDITION (AMENDED FEBRUARY 24, 2025) WITH ALL REVISIONS ARE MADE A PART HEREOF, AS IF ATTACHED HERETO.

9. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PAVEMENT, DRIVEWAYS, SIDEWALKS, WALL, CURBS, ETC. DAMAGED DURING CONSTRUCTION WITH MATCHING MATERIALS.

10. THE CONTRACTOR AGREES THAT HE WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE PROJECT SITE CONDITIONS THROUGHOUT CONSTRUCTION INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONJUNCTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

11. ALL MATERIALS USED FOR CONSTRUCTION MUST BE NEW AND FREE OF DEFECTS. USED OR SALVAGED MATERIAL WILL NOT BE ALLOWED UNLESS WRITTEN APPROVAL FROM THE OWNER IS OBTAINED BY THE CONTRACTOR.

12. AT ALL TIMES THE CONTRACTOR MUST MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS. (I.E. IN TIMES OF RAIN OR SNOW, ROADS MUST BE ABLE TO CARRY A FIRE TRUCK BY BEING PAVED OR HAVING A CRUSHED STONE BASE, ETC.). WIDTH OF EMERGENCY VEHICLE ACCESS MUST BE A MINIMUM OF 20 FEET WIDE. ACCESS TO BUILDINGS THAT HAVE A FIRE SPRINKLER SYSTEM OR STANDPIPE MUST BE WITHIN 40 FEET OF THE FIRE DEPARTMENT CONNECTION (FDC). NFPA 1141 3–1.

13. NECESSARY BARRICADES, LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC MUST BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR.

14. HIGH INTENSITY LIGHTING FACILITIES MUST BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.

15. ALL RI HIGHWAY BOUNDS AND PERMANENT SURVEY MARKERS SHALL BE PROTECTED THROUGHOUT CONSTRUCTION.

16. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2023 INCLUDING ALL REVISIONS.

17. REFER TO ARCHITECTURAL, STRUCTURAL, AND MECHANICAL PLANS FOR ALL BUILDING INFORMATION, AND FOR SITEWORK WITHIN 5'–0" OF BUILDING. .

18. ALL CURB RADII ARE 3' UNLESS OTHERWISE NOTED ON THE SITE PLAN.

19. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR IS REQUIRED TO DEVELOP AND IMPLEMENT A PLAN FOR THE TEMPORARY CONTROL OF VEHICULAR AND PEDESTRIAN TRAFFIC FOR WORK WITHIN PUBLIC STREET RIGHT–OF–WAY AT THE SITE EGRESS. CONTRACTOR SHALL OBTAIN APPROVAL OF SAID PLAN FROM APPROPRIATE STATE AND COMMUNITY PUBLIC SAFETY OFFICIALS.

20. WHEN IT IS NECESSARY TO CLOSE OFF A STREET, THE FIRE DEPARTMENT AND POLICE DEPARTMENT SHALL BE NOTIFIED BY THE CONTRACTOR.

21. SHOP DRAWINGS OF PRECAST STRUCTURES SHALL BE REVIEWED BY THE ENGINEER AND APPROVED BEFORE USE.

22. IF ANY EXISTING STRUCTURES AND/OR UTILITIES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, EITHER ON THE PROJECT SITE, ADJACENT PROPERTIES, OR WITHIN STATE RIGHT–OF–WAY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

23. ALL WORK TO BE DONE WITHIN THE STATE RIGHT OF WAY (ROW) SHALL CONFORM TO THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION (AMENDED MARCH 2018) WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE R.I. STANDARD DETAILS 1998 EDITION (AMENDED JUNE 2019) WITH ALL REVISIONS.

24. ALL EXCAVATED BOULDERS WHICH ARE TO BE USED AS COMMON BORROW ON SITE MUST BE CRUSHED/SPLIT LESS THAN 9" IN SIZE.

25. ALL STUMPS SHALL BE REMOVED AND DISPOSED OFFSITE.

SURVEY REFERENCE :

1. "EXISTING CONDITIONS SURVEY FOR COVENTRY, RI A.P. 7, LOT 25 A.P. 8 LOTS 1, 2, 3, 9, & 10 A.P. 16 LOT 133 EAST GREENWICH, RI A.P. 77–13 LOT 33 SITUATED ON NEW LONDON TURNPIKE, BEDROOM ROAD & CROMPTON ROAD", PREPARED BY GAROFALO & ASSOCIATES, INC., DRAWING NO. 7492–ECS–S1 & 7492–ECS–S2, DATED APRIL, 2024.

CERTIFICATION:

ALL PLANS AND IMPROVEMENTS CONFORM TO ALL EXISTING AND AMENDED STANDARD OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND BOARD OF REGISTRATION OF LAND SURVEYORS.

GENERAL UTILITY NOTES:

1. THE CONTRACTOR SHALL NOTIFY DIG–SAFE (1–888–344–7233) AND ALL LOCAL AUTHORITIES & UTILITY COMPANIES TO VERIFY LOCATIONS OF UTILITIES WITHIN THE AREA 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR DEMOLITION FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY, LOCATE AND PROTECT EXISTING UTILITIES IN THE FIELD WHETHER OR NOT SHOWN ON THE DRAWINGS.

2. ALL WORK SHALL BE IN COMPLETE ACCORDANCE WITH ALL APPLICABLE STATE, FEDERAL AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.

3. THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBANCE OF CURBING, PAVING AND COMPACTED SUBGRADE. THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEER & ALL LOCAL UTILITY COMPANIES 48 HOURS BEFORE EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS DISCOVERED IN THE PLANS.

4. BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS. ADDITIONAL BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES AND WET AREA. CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK.

5. THE CONTRACTOR SHALL REMOVE ANY ABANDONED FOUNDATIONS, UTILITY STRUCTURES, BURIED DEBRIS ETC. WHICH INTERFERE WITH THE INSTALLATION OF THE UTILITY WORK. ALL SUCH STRUCTURES SHALL BE COMPLETELY REMOVED AND THE EXCAVATED AREA SHALL BE BACKFILLED WITH COMPACTED GRAVEL IN 6" LIFTS TO 95% COMPACTION TO 6" BELOW THE BOTTOM OF THE UTILITY AND PIPE.

6. COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THE THEORETICAL MAXIMUM DRY DENSITY (ASTM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED IN LIFTS NOT TO EXCEED ONE FOOT IN COMPACTED FILL THICKNESS. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF PROJECT APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

7. ALL PIPING LAYOUT INDICATED ON THESE PLANS IS DIAGRAMMATIC ONLY AND DOES NOT SHOW ALL THE REQUIRED FITTINGS FOR PROPER ALIGNMENT. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS TO OBTAIN PROPER ALIGNMENT AND FOR EXISTING UTILITY CONNECTIONS BASED UPON FIELD CONDITIONS.

8. IF DURING EXCAVATION THE TRENCH WIDTH EXCEEDS THE SUM OF THE PIPE O.D. PLUS 2'–0", PLACE AND COMPACT THE FILL TO 12" ABOVE THE PIPE AND RE–EXCAVATE TO REQUIRED GRADE.

9. STORM DRAINS 12" AND OVER SHALL BE SMOOTH INTERIOR WALL AND EXTERIOR CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) PIPE CAPABLE OF WITHSTANDING (H–20) LOAD UNLESS NOTED OTHERWISE. PIPE SHALL BE JOINED USING BELL & SPIGOT JOINTS MEETING OR EXCEED ASTM F2648. THE JOINT SHALL BE SOIL–TIGHT AND GASKETS SHALL MEET OR EXCEED ASTM F477. HDPE PIPE SHALL BE AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS INC. (ADS), HANCOR PIPE OR LANE PIPE. ALL STORM DRAINAGE PIPING SHALL BE LAID ON A SMOOTH CONTINUOUS GRADE WITH NO VISIBLE BENDS AT THE JOINTS. WHERE INDICATED ON DRAWINGS REINFORCED CONCRETE PIPE (RCP) PIPE SHALL BE CLASS III RCP WITH "O" RING GASKET JOINTS. ALL STORM PIPE ENTRY STRUCTURES SHALL BE GASKETED.

10. WHENEVER UTILITIES ARE TO BE INSTALLED WITHIN THE TOWN OF COVENTRY PUBLIC OR PRIVATE RIGHT OF WAYS, THE TRENCH MUST BE BACKFILLED WITH FLOWABLE FILL. ALL AREAS OF ROADWAY PAVEMENT & WALKWAYS DISTURBED DURING CONSTRUCTION SHALL BE RE–PAVED PER THE TOWN OF COVENTRY AND STATE STANDARDS AND SPECIFICATIONS.

11. DOMESTIC AND FIRE PROTECTION WATER SERVICE IS PROVIDED TO THE PROPERTY BY PROVIDENCE WATER. THE ONSITE WATER SYSTEM ON THE PROPERTY IS PRIVATE WATER PIPING AND SHALL BE (AWWA C901) DR9 POLYETHYLENE OR TYPE k COPPER FOR 2" SERVICES OR SMALLER, OR CLASS 52 DOUBLE CEMENT LINED DUCTILE IRON PIPE WITH TYTON JOINTS FOR 4" SERVICES OR LARGER. ALL BENDS, TEES ETC. SHALL BE JOINT RESTRAINED BY THE USE OF CONCRETE THRUST BLOCKS AND "MEG–A–LUG". ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO PROVIDENCE WATER REGULATIONS, STANDARDS AND SPECIFICATIONS. NOTIFICATION SHALL BE PROVIDED TO SAID AUTHORITIES AT LEAST 72 HOURS PRIOR TO INITIATING CONSTRUCTION.

12. GATE VALVES SHALL BE CAST IRON BODY BRONZE MOUNTED, COMPLETE WITH ROAD BOX AND SHALL CONFORM TO PROVIDENCE WATER AND TOWN OF COVENTRY REGULATIONS, STANDARDS AND SPECIFICATIONS.

13. ALL FIRE AND PLUMBING FIXTURES MUST CONFORM TO LOCAL SPECIFICATIONS AND AS STIPULATED BY THE LOCAL FIRE MARSHALL AND/OR THE BUILDING OFFICIAL.

14. ALL SANITARY SEWER MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE INSTALLATION AND TESTING OF SANITARY SEWERS SHALL CONFORM TO THE NBC REGULATIONS, STANDARDS AND SPECIFICATIONS. ALL SEWER SYSTEM COMPONENTS MUST BE TESTED, CLEANED AND AS–BUILT INFORMATION MUST BE SUBMITTED TO THE NBC AND APPROVED, PRIOR TO ISSUANCE OF A PERMIT TO DISCHARGE TO THE PUBLIC SEWER SYSTEM.

15. SANITARY SEWER MAINS AND SERVICES SHALL BE SDR–35 (ASTM D–3034) PVC SEWER PIPE WITH PUSH ON RUBBER RING JOINTS UNLESS NOTED OTHERWISE. CLEANOUTS SHALL BE INSTALLED AT BUILDING FACE (REFER TO PLUMBING PLANS FOR ALL WORK WITHIN 5' OF THE BUILDING). NEOPRENE COUPLINGS WITH STAINLESS STEEL BAND AND SHEER RINGS SHALL BE REQUIRED FOR JOINING DIFFERENT TYPES OF SANITARY SEWER PIPES.

16. SEWER LINES SHALL BE INSTALLED AT A MINIMUM 10 FOOT HORIZONTAL SEPARATION FROM ANY PROPOSED OR EXISTING WATER LINE. CONTRACTOR SHALL INSTALL CLEANOUT AT THE BUILDING FACE. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE NBC REQUIREMENTS.

17. WHENEVER SEWER LINES MUST CROSS WATER LINES, THE SEWER SHALL BE INSTALLED SO THAT THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. WHERE 18 INCH VERTICAL SEPARATION AND 10 FOOT HORIZONTAL SEPARATION CAN NOT BE MET AT WATER AND SEWER CROSSINGS, THE SEWER PIPE SHALL BE ENCASED IN CONCRETE OR BE EITHER DUCTILE IRON OR C900 BLUE BRUTE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF CROSSING.

18. GAS SERVICE FACILITIES SHALL BE DESIGNED BY OTHERS. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE UTILITY INSTALLATIONS AS REQUIRED TO ENSURE ADEQUATE GAS SERVICE IS PROVIDED AND SHALL BE RESPONSIBLE FOR ALL INSTALLATION PROCEDURES (TRENCHING, LAYING PIPE, ETC.) AS ARE REQUIRED BY THE GAS COMPANY FOR COMPLETE AND IN PLACE CONSTRUCTION.

19. ELECTRIC SERVICE FACILITIES SHALL BE DESIGNED BY OTHERS. ELECTRIC SERVICE AND TRANSFORMER PAD SHALL CONFORM TO THE REQUIREMENTS OF THE ELECTRIC COMPANY. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ADEQUATE ELECTRIC SERVICE IS PROVIDED AND SHALL BE RESPONSIBLE FOR ALL INSTALLATION PROCEDURES (TRENCHING, LAYING PIPE, ETC.) AS ARE REQUIRED BY THE ELECTRIC COMPANY FOR COMPLETE AND IN PLACE CONSTRUCTION. REFER TO ELECTRICAL DRAWINGS FOR ALL UNDERGROUND ELECTRIC.

STORMWATER SYSTEM MAINTENANCE NOTES:

1. THE DRAINAGE SYSTEMS ARE TO BE MONITORED THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD BY THE CONTRACTOR. UPON COMPLETION OF THE PROJECT THE CONTRACTOR MUST DO A FINAL FULL MAINTENANCE & CLEAN UP OF THE STORMWATER MANAGEMENT SYSTEM AND THE SITE. UPON COMPLETION OF THE CONTRACTOR'S FINAL MAINTENANCE & CLEAN UP OF THE PROJECT, MONITORING OF THE STORMWATER MANAGEMENT SYSTEM SHALL BE THE RESPONSIBILITY OF THE OWNER.

CONSTRUCTION MONITORING/MAINTENANCE PROCEDURES SHALL BE AS FOLLOWS:
(RESPONSIBILITY OF CONTRACTOR)

2. SILT BARRIER:
MONITOR SILT BARRIER ON A WEEKLY BASIS AND AFTER EVERY RAIN STORM EVENT AND REPAIR OR REPLACE ANY DAMAGED AREAS IMMEDIATELY. IMMEDIATELY CLEAN THE SILT BARRIER IF SIX INCHES OR MORE OF SEDIMENT HAS ACCUMULATED ON THE HAYBALE & SILT BARRIER.

3. PAVED AREAS:
PARKING LOTS, PUBLIC & PRIVATE ROADWAYS AND GUTTERS SHALL BE SWEPT CLEAN OF ALL SEDIMENT & DEBRIS. SWEEPING & REMOVAL OF DEBRIS SHALL BE PERFORMED ON A WEEKLY BASIS AT A MINIMUM.

4. CATCH BASINS:
ALL CATCH BASINS SHALL BE INSTALLED AS DETAILED AND INSPECTED AFTER EVERY RAIN STORM EVENT. IMMEDIATELY CLEAN THE CATCH BASIN SUMP IF TWO FEET OR MORE OF SEDIMENT HAS ACCUMULATED WITHIN THE CATCH BASIN.

5. DRAIN MANHOLES:
DRAIN MANHOLES SHALL BE INSTALLED AS DETAILED AND INSPECTED AFTER EVERY RAIN STORM EVENT. IMMEDIATELY CLEAN THE DRAIN MANHOLE IF ANY OF SEDIMENT HAS ACCUMULATED WITHIN THE DRAIN MANHOLE.

6. STORMWATER BMPS:
NO CONSTRUCTION RUNOFF SHALL BE DIRECTED TO STORMWATER BMPS UNTIL UPGRADIENT AREAS ARE STABILIZED.

POST CONSTRUCTION MONITORING/MAINTENANCE PROCEDURES SHALL BE AS FOLLOWS:
(RESPONSIBILITY OF OWNER)

1. PAVED AREAS:
PARKING LOTS, ROADS AND ALL ACCESS WAYS AND GUTTERS MUST BE SWEPT CLEAN OF ALL SEDIMENT AND DEBRIS ON BI–ANNUAL BASIS IN SPRING AND FALL OF EACH YEAR OR AS NECESSARY.

2. CATCH BASINS:
ALL CATCH BASINS MUST BE INSPECTED AND MAINTAINED ON A TWICE–ANNUAL BASIS IN MARCH AND OCTOBER OF EACH YEAR. CATCH BASINS MUST BE INSPECTED TO ENSURE THEY HAVE ADEQUATE SUMP CAPACITY, FRAMES AND GRATES ARE NOT DAMAGED, AND OIL/WATER SEPARATING DEVICES ARE IN PLACE. CATCH BASIN SUMPS ARE TO BE CLEANED OUT DURING BI–ANNUAL INSPECTIONS IN MARCH AND OCTOBER OF EACH YEAR. IMMEDIATELY CLEAN THE CATCH BASIN SUMP IF TWO FEET OR MORE OF SEDIMENT HAS ACCUMULATED WITHIN THE CATCH BASIN.

3. DRAIN MANHOLES:
ALL DRAIN MANHOLES MUST BE INSPECTED AND MAINTAINED ON A ANNUAL BASIS IN MARCH AND OCTOBER OF EACH YEAR. DRAIN MANHOLES MUST BE INSPECTED TO ENSURE FRAMES AND COVERS ARE NOT DAMAGED AND NO BLOCKAGES HAVE OCCURRED WITHIN THE MANHOLE. DRAIN MANHOLES ARE TO BE CLEANED OUT DURING BI–ANNUAL INSPECTIONS IN MARCH AND OCTOBER OF EACH YEAR. IMMEDIATELY CLEAN THE DRAIN MANHOLE IF ANY SEDIMENT HAS ACCUMULATED.

4. STORMWATER MANAGEMENT FACILITIES – REFER TO OPERATIONS AND MAINTENANCE PLAN UNDER SEPARATE COVER. (NOTE: A LEGALLY ENFORCEABLE MAINTENANCE AGREEMENT SHALL BE EXECUTED IF THE PROPERTY OWNER IS NOT THE PARTY RESPONSIBLE FOR BMP MAINTENANCE AS PRESCRIBED)

INFILTRATION AREA CONSTRUCTION PROTECTION

FOR THE LONG–TERM FUNCTION OF THE INFILTRATING SYSTEMS, CARE MUST BE TAKEN IN THIS AREA DURING CONSTRUCTION. THE CONTRACTOR SHALL EMPLOY THE FOLLOWING MINIMUM BEST MANAGEMENT PRACTICES (BMP'S):

1. THE INFILTRATION AREAS SHALL NOT BE USED AS A CONSTRUCTION SEDIMENTATION SYSTEM.

2. CONSTRUCTION EQUIPMENT, VEHICULAR TRAFFIC, PARKING OF VEHICLES, AND STOCKPILING OF CONSTRUCTION AND EARTH MATERIALS SHALL BE OUTSIDE THE LIMITS OF THE INFILTRATION AREA UNTIL INSTALLATION IS COMPLETED. THE SUBGRADE BENEATH THE SYSTEM SHALL NOT BE COMPACTED.

3. EXCAVATION FOR CONSTRUCTION OF THE INFILTRATION AREAS SHALL BE PERFORMED MANUALLY OR BY HYDRAULIC EXCAVATOR OR SOME OTHER SIMILAR MEANS TO ENSURE THAT THE EQUIPMENT IS NOT IN DIRECT CONTACT WITH THE NATURAL INFILTRATION EARTH MATERIAL AND DOES NOT CAUSE COMPACTION OF THE MATERIAL AND THE ENTIRE AREA IS TO BE SCARIFIED PRIOR TO INSTALLATION.

4. THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING AND EROSION CONTROLS AROUND THE PERIMETER OF THE INFILTRATION AREA TO PREVENT THE USE OF THIS AREA FOR ALL ACTIVITIES THAT MIGHT DAMAGE THE INFILTRATION CAPABILITIES OF THE AREA. THIS FENCING MAY BE REMOVED FOR BACKFILLING AND FINAL CONSTRUCTION.

GENERAL GRADING NOTES:

1. THE MAXIMUM RUNNING SLOPE ALONG ANY SIDEWALK SHALL BE 5%. THE MAXIMUM CROSS SLOPE ACROSS ANY SIDEWALK SHALL BE 2%. A MINIMUM 5'x5' LANDING SHALL BE PROVIDED IN FRONT OF ALL BUILDING ENTRANCES.

2. ALL ADAAG PARKING SPACES AND LOADING SPACES SHALL BE 2% MAXIMUM SLOPE IN ANY DIRECTION.

3. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.

4. ALL GRATES AND COVERS IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3" ABOVE FINISH GRADE.

5. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

6. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH THE CITY OF PROVIDENCE SPECIFICATIONS UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

SITE LEGEND

EXISTING	NEW	DESCRIPTION
— ℄ —	— ℄ —	CENTERLINE (LAYOUT)
— D —	— D —	STORM DRAIN
— E —	— E —	ELECTRIC (UNDERGROUND)
— F —	— F —	FIRE SERVICE
— FD —	— FD —	FOOTING DRAIN
— G —	— G —	GAS
— OHW —	— OHW —	OVERHEAD WIRE
▬ ▬ ▬	– – – – –	PROPERTY LINE
— S —	— S —	SANITARY SEWER
— SL —	— SL —	SITE LIGHTING SERVICE
— T —	— T —	TELEPHONE
— W —	— W —	WATER
– – 64 – – –	— (64) —	CONTOUR
x 64.0	x 64.00	SPOT GRADE
x 64.0(BC)	x 64.00(BC)	SPOT GRADE (BOT. OF CURB)
x 64.5(TC)	x 64.50(TC)	SPOT GRADE (TOP OF CURB)
64.5(BW)	64.50(BW)	SPOT GRADE (BOT. OF WALL)
64.5(TW)	64.50(TW)	SPOT GRADE (TOP OF WALL)
CC	PCC	PRECAST CONC. CURB
—⊗—⊗—⊗—	—⊗—⊗—⊗—⊗—	CHAINLINK FENCE (CLF)
—☐—☐—☐—	—☐—☐—☐—☐—	STOCKADE FENCE (STKF)
⌖	⌖	BORING LOCATION
☐ CB	▦ CB#1	CATCH BASIN
☐☐ CB(DG)	▦ CBDG#1	DOUBLE GRATE CATCH BASIN
CTB ▻	CTB ▻	CONCRETE THRUST BLOCK
Ⓓ DMH	Ⓓ DMH	DRAIN MANHOLE
◁ FES	◀ FES	FLARED END STRUCTURE
Ⓢ SMH	Ⓢ SMH	SEWER MANHOLE
WSO	WSO	WATER SERVICE
		UTILITY POLE
HYD		FIRE HYDRANT
⋈ GV	⋈ GV	GATE VALVE AND CURB BOX
♿	♿	HANDICAP SYMBOL (PRKG. SPACE)
		SIGN
		WETLAND
SEV	SEV	SOIL EVALUATION LOCATION
TP	TP	TEST PIT LOCATION
FDC	FDC	FIRE DEPARTMENT CONNECTION
PIV	PIV	POST INDICATOR VALVE (PIV)
Ⓔ	Ⓔ	ELECTRIC MANHOLE (EMH)
Ⓣ	Ⓣ	TELEPHONE MANHOLE (TMH)
T	T	TRANSFORMER PAD
GEN	GEN	GENERATOR PAD
⊖GCO	⊖GCO	GROUND CLEANOUT
☼ LP	●▭	SIGHT LIGHT POLE
⇨	⇨	TRAFFIC FLOW DIRECTION
	▬ ▬LOD▬ ▬	LIMIT OF DISTURBANCE
	—☐—☐—	COMPOST SILT SOCKS
		PAVEMENT SAWCUT & MATCH TO EXISTING
	(X.X.X.)	RIDOT STD DETAIL REFERENCE
		CANOPY TREE
		ORNAMENTAL TREE
		EVERGREEN TREE

ABBREVIATIONS

AC.	ACRE/ACRES	INV.	INVERT
AD	AREA DRAIN	I.P.	IRON PIPE
ADJ.	ADJUST	I.R.	IRON ROD
A.P.	ASSESSORS PLAT	LP	LIGHT POLE
APPROX.	APPROXIMATE	LOD	LIMIT OF DISTURBANCE
ARCH.	ARCHITECT/ARCHITECTURAL	LOE	LIMIT OF EXCAVATION
BB	BITUMINOUS BERM	MIN.	MINIMUM
BIT.	BITUMINOUS	MAX.	MAXIMUM
BK.	BOOK	N/F	NOW OR FORMERLY
BLDG.	BUILDING	OLP	ORNAMENTAL LIGHT POLE
BMP	BEST MANAGEMENT PRACTICES	PG.	PAGE
BND.	BOUND	PL	PROPERTY LINE
BW	BITUMINOUS CONCRETE SIDEWALK	PROP.	PROP.
CB	CATCH BASIN	PVC	POLYVINYL CHLORIDE PIPE
CC	CONCRETE CURB	PVMT.	PAVEMENT
CEM.	CEMENT	REM.	REMOVE
CI	CAST IRON PIPE	RET.	RETAINING
CLDI	CEMENT LINED DUCTILE IRON PIPE	R&D	REMOVE AND DISPOSE
CLF	CHAIN–LINK FENCE	R&R	REMOVE AND RELOCATE
CONC.	CONCRETE	R&S	REMOVE AND SALVAGE/STOCKPILE
CP	CONCRETE PAD	R	RADIUS/RADII
CW	CONCRETE SIDEWALK	RCP	REINFORCED CONCRETE PIPE
DH	DRILL HOLE	R.I.H.B.	RHODE ISLAND HIGHWAY BOUND
DI	DUCTILE IRON PIPE	R.O.W.	RIGHT–OF–WAY
DIA.	DIAMETER	S=	SLOPE EQUALS
DMH	DRAINAGE MANHOLE	SDWK.	SIDEWALK
DRN.	DRAIN/DRAINAGE	S.F.	SQUARE FOOT/FEET
ELEC.	ELECTRIC/ELECTRICAL	STD.	STANDARD
ELEV.	ELEVATION	STN.	STONE
ETR	EXISTING TO REMAIN	SWL	SOLID WHITE LINE
EX.	EXISTING	TYP.	TYPICAL
F&I	FURNISH AND INSTALL	VIF	VERIFY IN FIELD
FFE	FINISHED FLOOR ELEVATION	VLV.	VALVE
FP	FLAG POLE	WF	WETLAND FLAG
GG	GAS GATE	WG	WATER GATE
HDPE	HIGH DENSITY POLYETHYLENE PIPE	WSO	WATER SHUT–OFF
HYD.	HYDRANT	WQS	WATER QUALITY STRUCTURE

GENERAL NOTES & LEGEND

FOR
(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)
NEW LONDON TURNPIKE
COVENTRY, RI
PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

GAROFALO
GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS|SURVEYORS
LAND PLANNERS|ENVIRONMENTAL SCIENTISTS

85 CORLISS STREET
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JOB NO. 7492.00
DWG. NO. 7492–00–PRELIM COVER&LEGEND
SCALE: AS SHOWN
DRAWN BY K.J.A.
CHECK BY S.S.H.
APPROVED S.S.H.
DATE: AUGUST, 2025

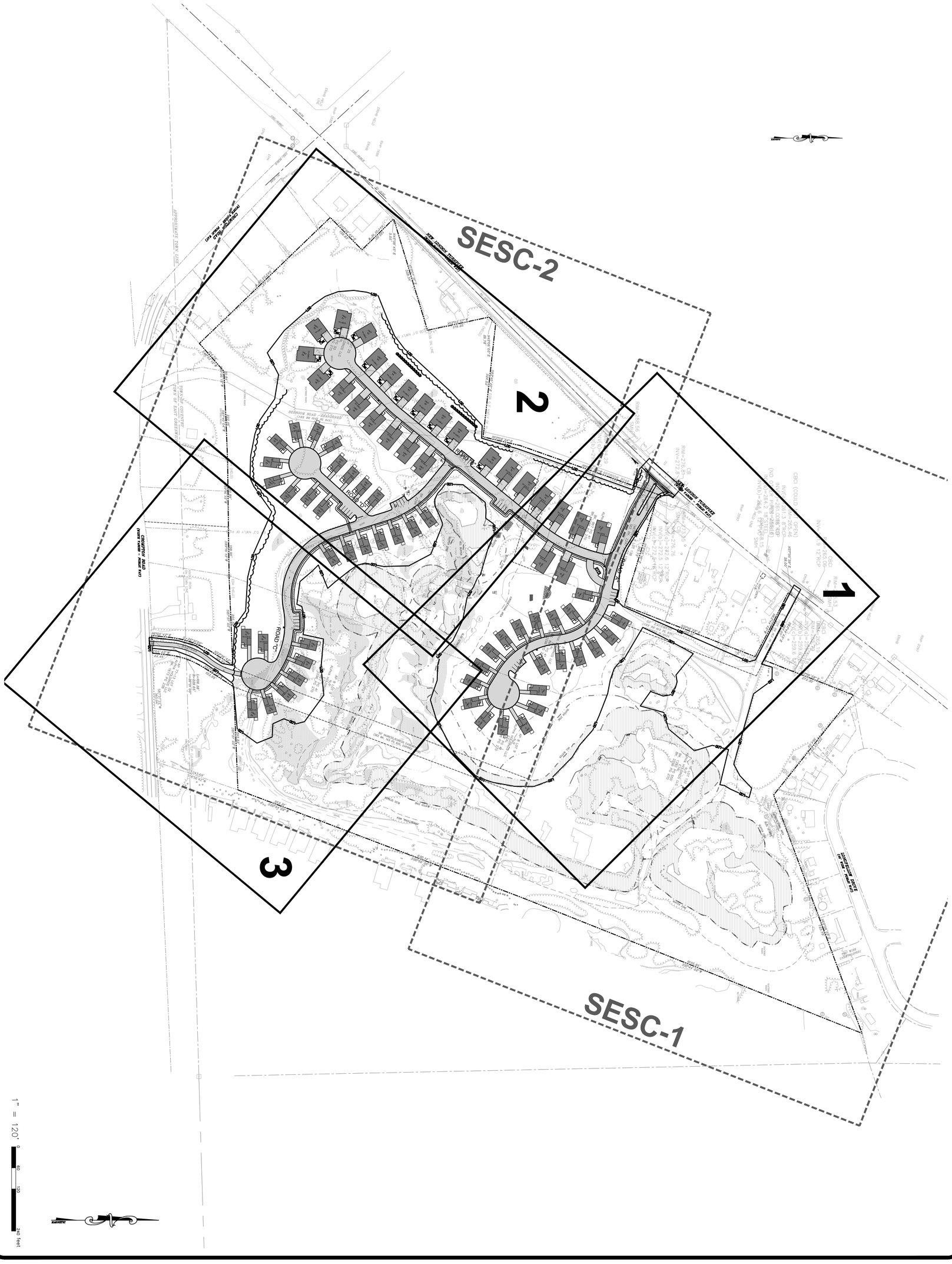
SHEET

C-1.0

5 OF 25 SHEETS

L:\7492–00 New London Turnpike (Paolino) – Coventry, RI\dwg\01–Current\7492–00–Prelim Cover&Legend.dwg 08/20/2025 kyingyang 14:29

L:\7492-00 New London Turnpike (Paolino) - Coventry, RI\dwg\01-Current\7492-00-Prelim Index Plan.dwg 08/20/2025 kyingyang 14:45



JOB NO. 7492.00
DWG NO. 7492-00-PRELIM INDEX PLAN
SCALE: AS SHOWN
DATE: AUGUST, 2025
DRAWN BY K.J.A
CHECK BY S.S.H.
APPROVED S.S.H.

SHEET
C-2.0
6 OF 25 SHEETS

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NO.	REVISION	BY	DATE

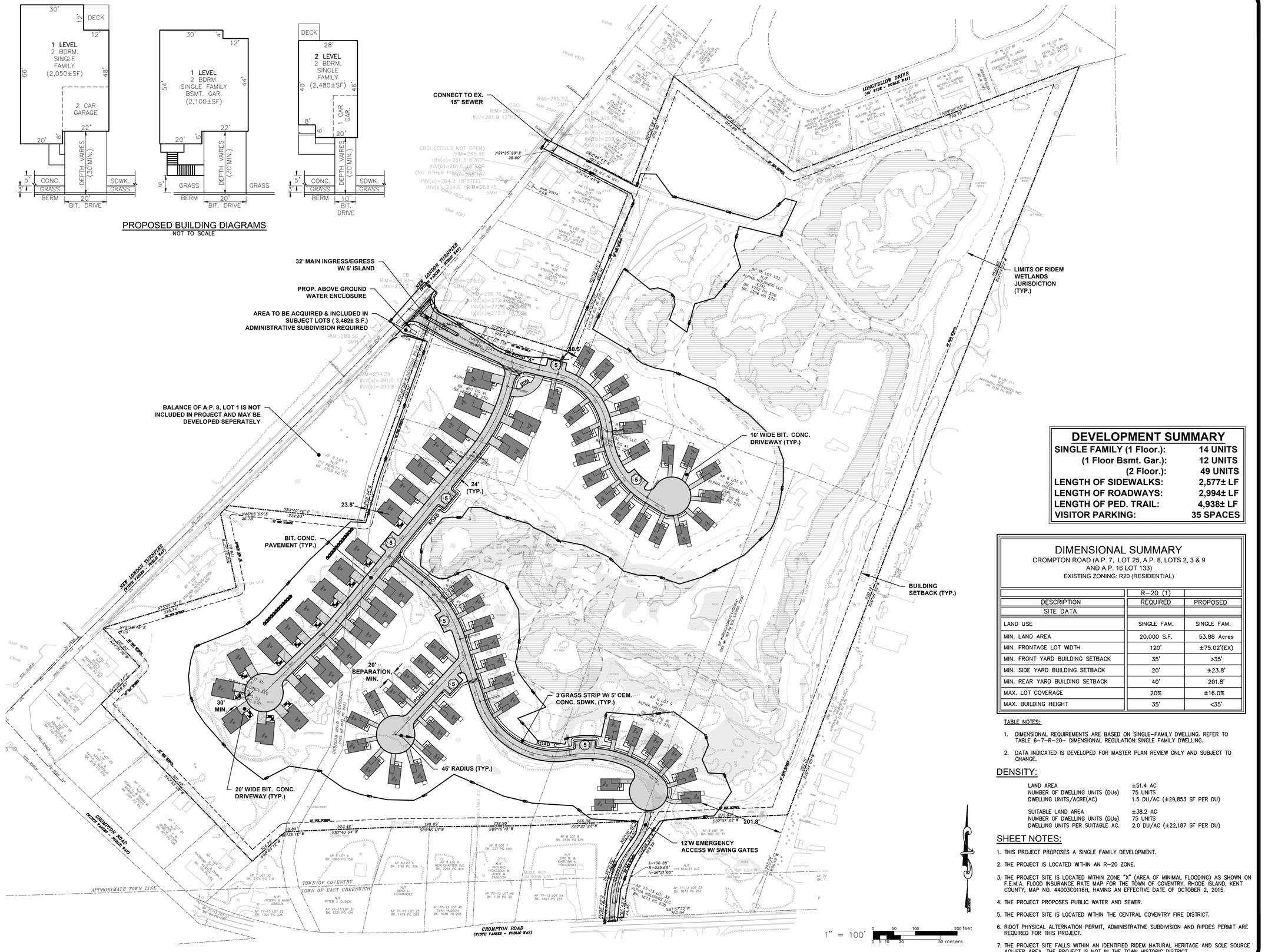
INDEX PLAN

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)
NEW LONDON TURNPIKE
COVENTRY, RI

PREPARED FOR
ALPHA Holdings, LLC.

PROPOSED BUILDING DIAGRAMS
NOT TO SCALE



DEVELOPMENT SUMMARY

SINGLE FAMILY (1 Floor.):	14 UNITS
(1 Floor Bsmt. Gar.):	12 UNITS
(2 Floor.):	49 UNITS
LENGTH OF SIDEWALKS:	2,577± LF
LENGTH OF ROADWAYS:	2,994± LF
LENGTH OF PED. TRAIL:	4,938± LF
VISITOR PARKING:	35 SPACES

DIMENSIONAL SUMMARY

CROMPTON ROAD (A.P. 7, LOT 25, A.P. 8, LOTS 2, 3 & 9
AND A.P. 16 LOT 133)
EXISTING ZONING: R20 (RESIDENTIAL)

	R-20 (1)	
DESCRIPTION	REQUIRED	PROPOSED
SITE DATA		
LAND USE	SINGLE FAM.	SINGLE FAM.
MIN. LAND AREA	20,000 S.F.	53.88 Acres
MIN. FRONTAGE LOT WIDTH	120'	±75.02'(EX)
MIN. FRONT YARD BUILDING SETBACK	35'	>35'
MIN. SIDE YARD BUILDING SETBACK	20'	±23.8'
MIN. REAR YARD BUILDING SETBACK	40'	201.8'
MAX. LOT COVERAGE	20%	±16.0%
MAX. BUILDING HEIGHT	35'	<35'

TABLE NOTES:

1. DIMENSIONAL REQUIREMENTS ARE BASED ON SINGLE-FAMILY DWELLING. REFER TO TABLE 6-7-R-20- DIMENSIONAL REGULATION: SINGLE FAMILY DWELLING.
2. DATA INDICATED IS DEVELOPED FOR MASTER PLAN REVIEW ONLY AND SUBJECT TO CHANGE.

DENSITY:

LAND AREA	±51.4 AC
NUMBER OF DWELLING UNITS (DUs)	75 UNITS
DWELLING UNITS/ACRE(AC)	1.5 DU/AC (±29,853 SF PER DU)
SUITABLE LAND AREA	±38.2 AC
NUMBER OF DWELLING UNITS (DUs)	75 UNITS
DWELLING UNITS PER SUITABLE AC.	2.0 DU/AC (±22,187 SF PER DU)

SHEET NOTES:

1. THIS PROJECT PROPOSES A SINGLE FAMILY DEVELOPMENT.
2. THE PROJECT IS LOCATED WITHIN AN R-20 ZONE.
3. THE PROJECT SITE IS LOCATED WITHIN ZONE "X" (AREA OF MINIMAL FLOODING) AS SHOWN ON F.E.M.A. FLOOD INSURANCE RATE MAP FOR THE TOWN OF COVENTRY, RHODE ISLAND, KENT COUNTY, MAP NO. 44003C0116H, HAVING AN EFFECTIVE DATE OF OCTOBER 2, 2015.
4. THE PROJECT PROPOSES PUBLIC WATER AND SEWER.
5. THE PROJECT SITE IS LOCATED WITHIN THE CENTRAL COVENTRY FIRE DISTRICT.
6. RIDOT PHYSICAL ALTERNATION PERMIT, ADMINISTRATIVE SUBDIVISION AND RIPDES PERMIT ARE REQUIRED FOR THIS PROJECT.
7. THE PROJECT SITE FALLS WITHIN AN IDENTIFIED RIDEM NATURAL HERITAGE AND SOLE SOURCE AQUIFER AREA. THE PROJECT IS NOT IN THE TOWN HISTORIC DISTRICT.

OVERALL DEVELOPMENT PLAN

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)
NEW LONDON TURNPIKE
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PREPARED FOR
ALPHA Holdings, LLC.

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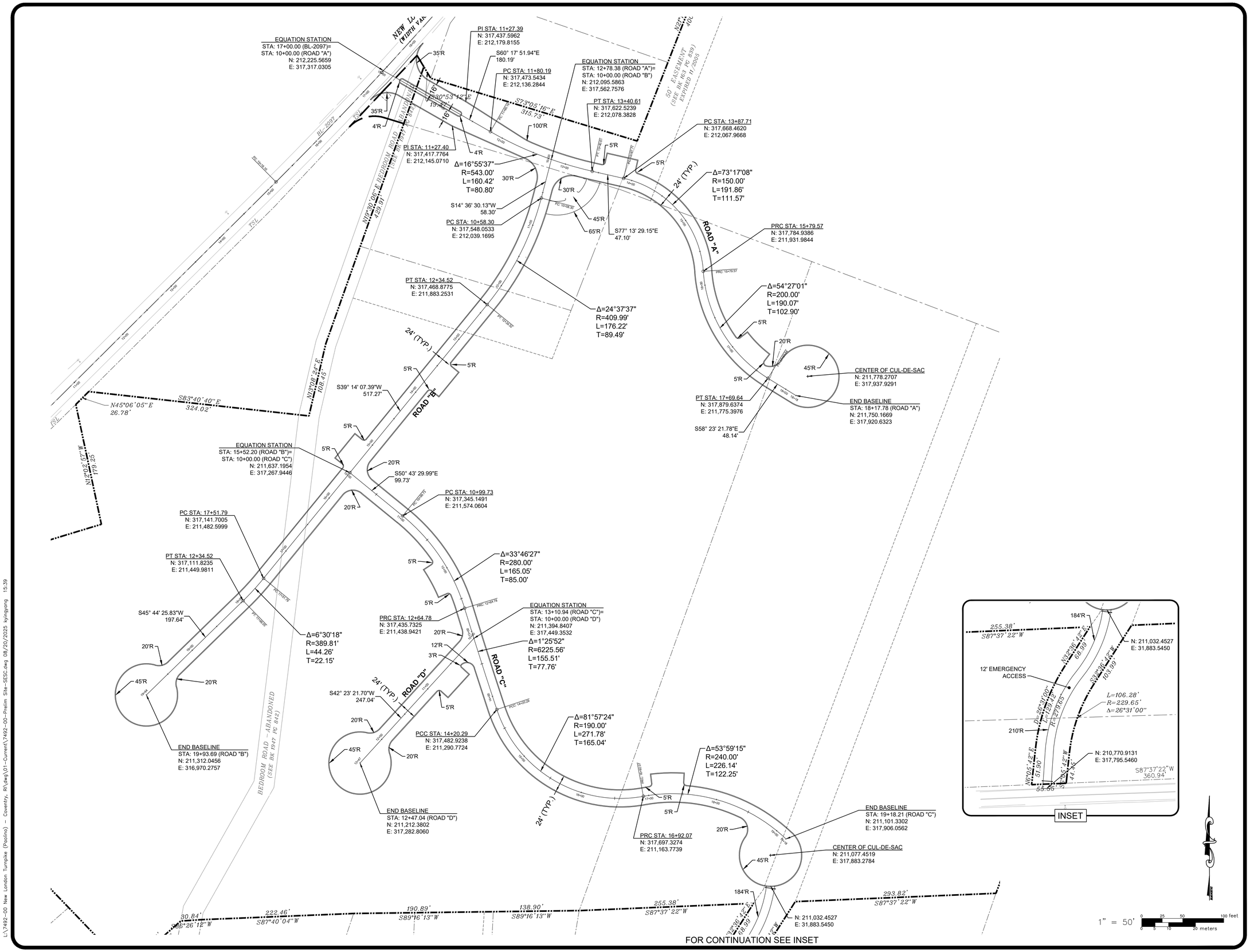
JOB NO. 7492.00	DRAWN BY K.J.A.
DWG. NO. 7492-00-PRELIM SITE-SESC	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: AUGUST, 2025

SHEET

C-3.0



SITE ALIGNMENT PLAN

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)

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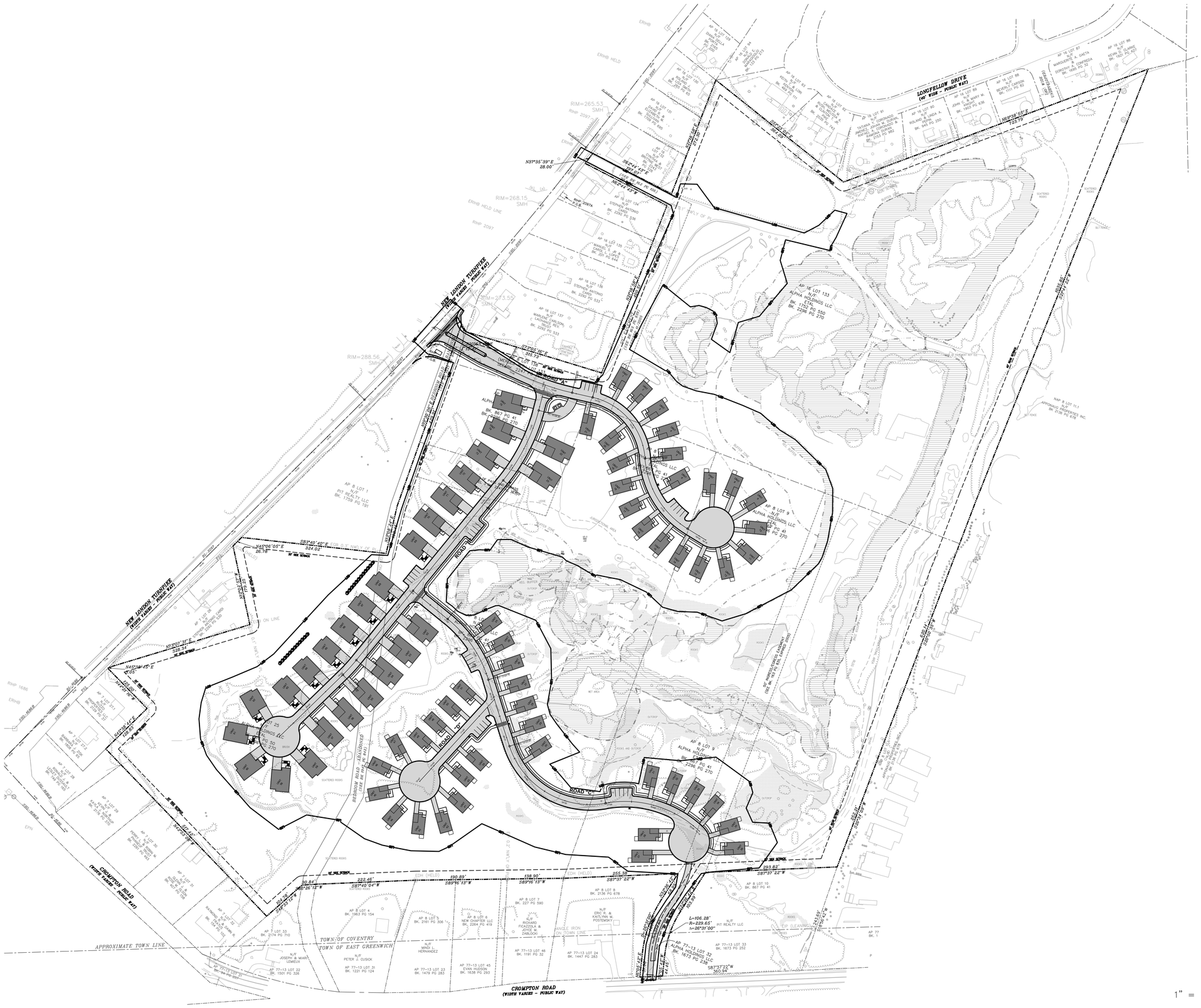
SHEET

C-3.1



OVERALL SITE LAYOUT PLAN

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9 AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE
COVENTRY, RI

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ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

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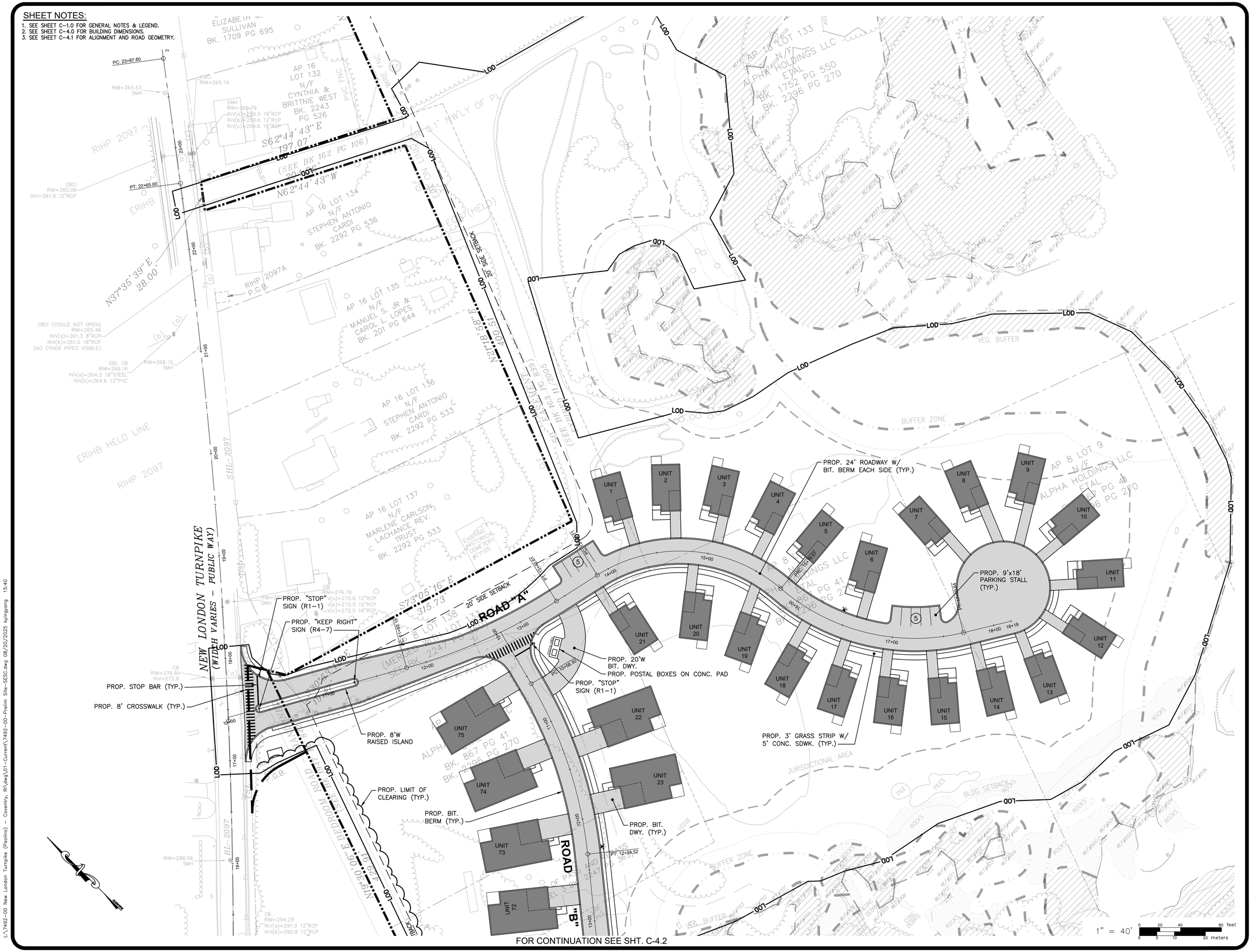
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: AUGUST, 2025

SHEET

C-4.0

SHEET NOTES:

1. SEE SHEET C-1.0 FOR GENERAL NOTES & LEGEND.
2. SEE SHEET C-4.0 FOR BUILDING DIMENSIONS.
3. SEE SHEET C-4.1 FOR ALIGNMENT AND ROAD GEOMETRY.



FOR CONTINUATION SEE SHT. C-4.2

SITE LAYOUT - 1

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE
COVENTRY, RI

PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

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SHEET

C-4.1

SHEET NOTES:

1. SEE SHEET C-1.0 FOR GENERAL NOTES & LEGEND.
2. SEE SHEET C-3.1 FOR ALIGNMENT AND ROAD GEOMETRY.
3. SEE SHEET C-4.0 FOR BUILDING DIMENSIONS.

SITE LAYOUT - 2

FOR

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AND A.P. 16 LOT 133)
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SHEET

C-4.2

L:\7492-00 New London Turnpike (Paolino) - Coventry, RI\dwg\01-Current\7492-00-Prelim Site-SESC.dwg 08/20/2025 kyingong 15:41

SHEET NOTES:

1. SEE SHEET C-1.0 FOR GENERAL NOTES & LEGEND.
2. SEE SHEET C-3.1 FOR ALIGNMENT AND ROAD GEOMETRY.
3. SEE SHEET C-4.0 FOR BUILDING DIMENSIONS.

FOR CONTINUATION SEE SHT. C-4.2

SITE LAYOUT - 3

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE
COVENTRY, RI

PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

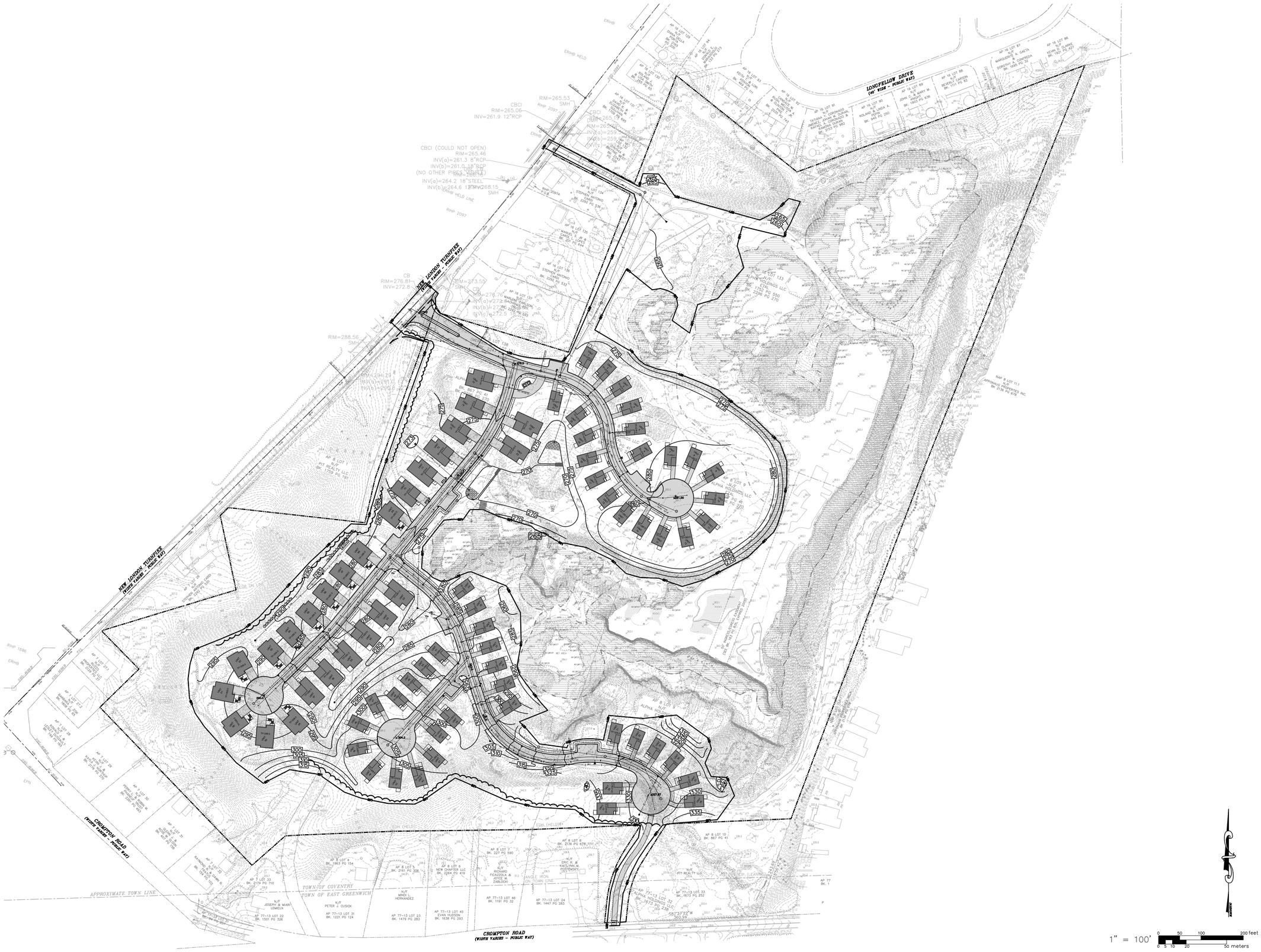
GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS\SURVEYORS
LAND PLANNERS\ENVIRONMENTAL SCIENTISTS

85 CORLISS STREET
P.O. BOX 6145
PROVIDENCE, R.I. 02940
TEL. 401-273-6000

JOB NO. 7492.00	DRAWN BY K.J.A
DWG. NO. 7492-00-PRELIM SITE-SESC	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: AUGUST, 2025

SHEET

C-4.3



OVERALL GRADING, DRAINAGE & UTILITY PLAN

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE
COVENTRY, RI

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JOB NO. 7492.00	DRAWN BY K.J.A.
DWG. NO. 7492-00-PRELIM GRD-DRN-UT	CHECK BY S.S.H.
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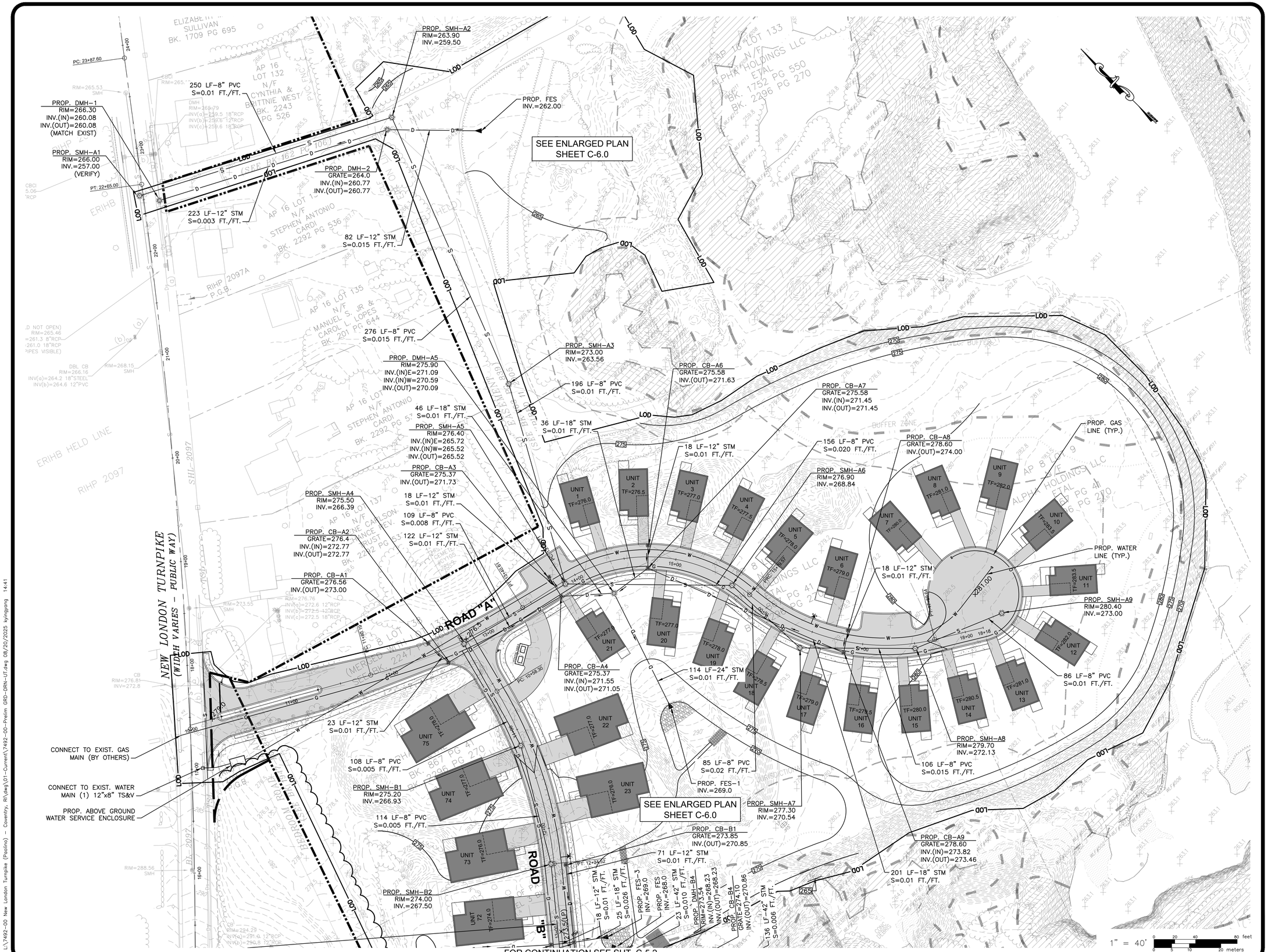
	DATE: AUGUST, 2025

SHEET

C-5.0

13 OF 25 SHEETS

L:\7492-00 New London Turnpike (Paolino) - Coventry, RI\dwg\01-Current\7492-00-Prelim GRD-DRN-UT.dwg 08/20/2025 kyingyang 14:50



GRADING, DRAINAGE & UTILITY PLAN - 1

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE
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SHEET

C-5.1

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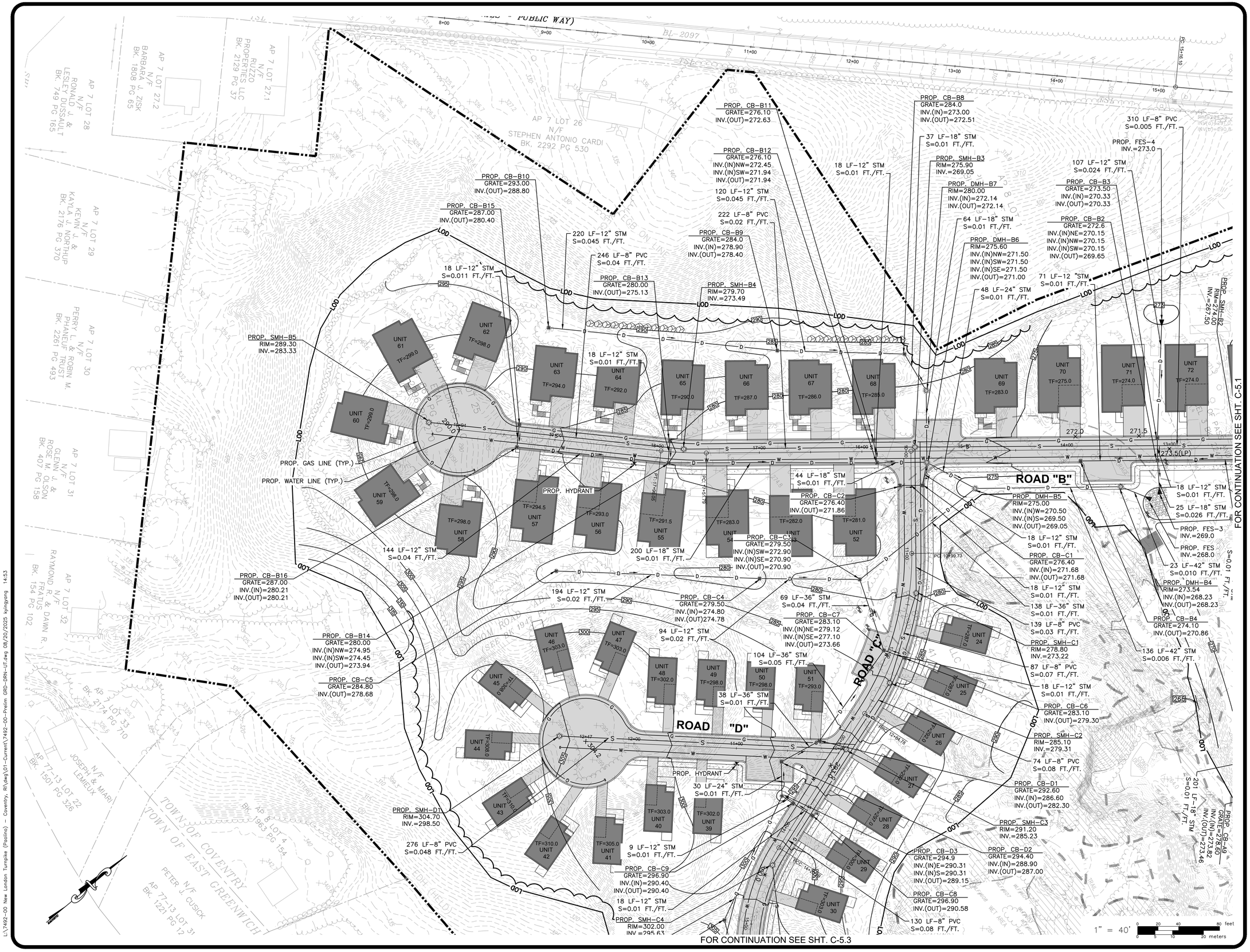

FOR CONTINUATION SEE SHT. C-5.1

FOR CONTINUATION SEE SHT. C-5.3

GRADING, DRAINAGE & UTILITY PLAN - 2

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE
COVENTRY, RI

PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

GAROFALO & ASSOCIATES, INC.
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C-5.2

L:\7492-00 New London Turnpike (Paolino) - Coventry, RI\dwg\01-Current\7492-00-Prelim GRD-DRN-UT.dwg 08/20/2025 kyingyang 14:53

FOR CONTINUATION SEE SHT. C-5.2

GRADING, DRAINAGE & UTILITY PLAN - 3

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)

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COVENTRY, RI

PREPARED FOR
ALPHA Holdings, LLC.

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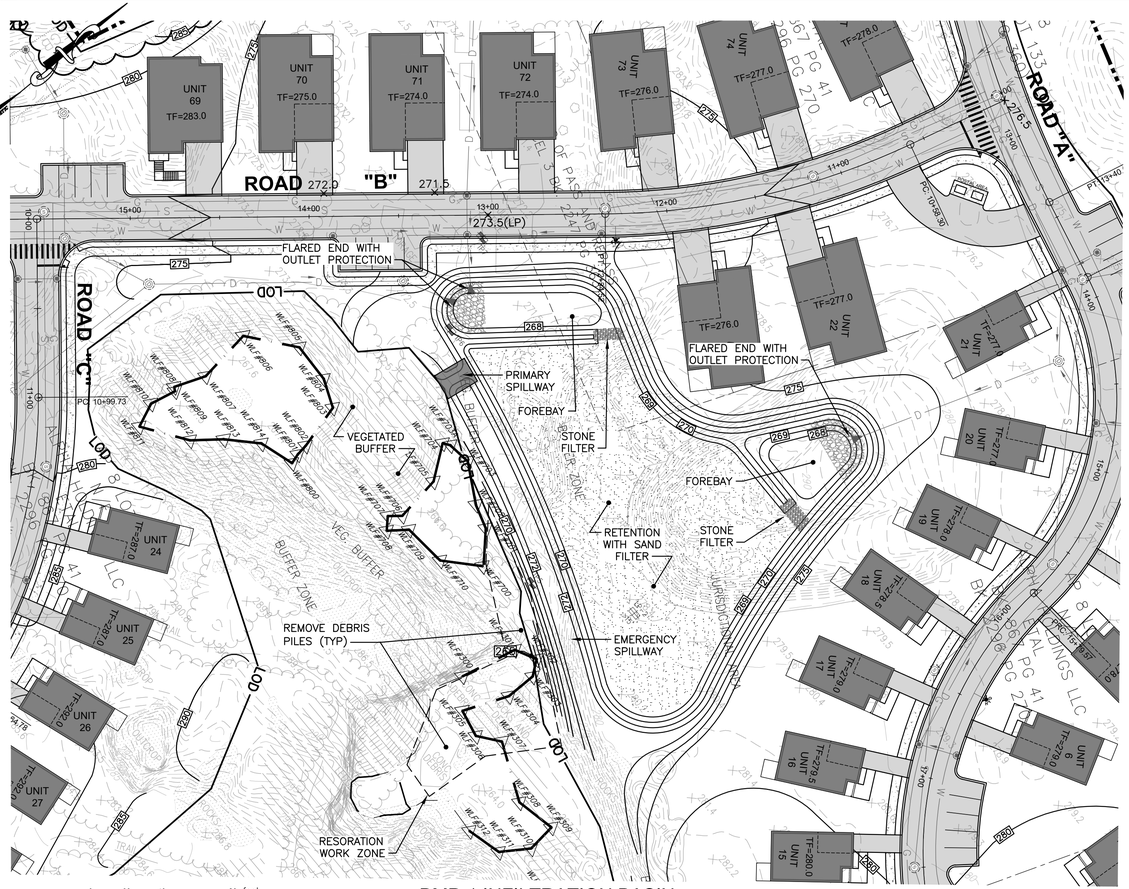
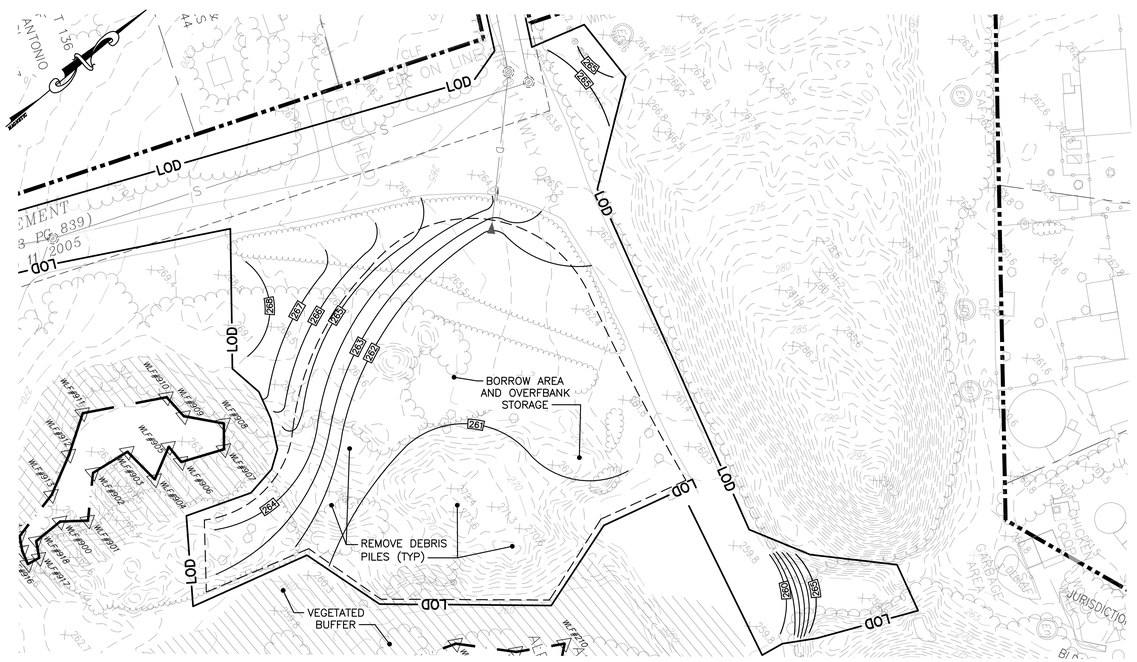
SHEET

C-5.3



BMP-1 INFILTRATION BASIN

1"=40'

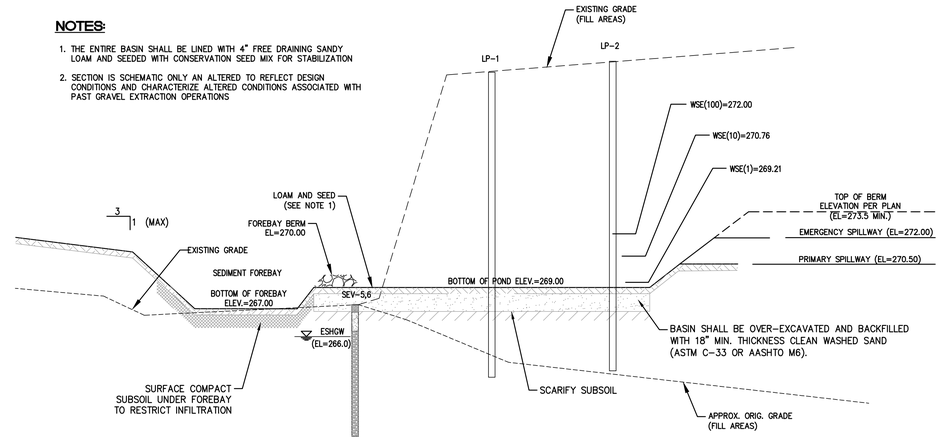


OVERBANK BORROW AREA

1"=40'

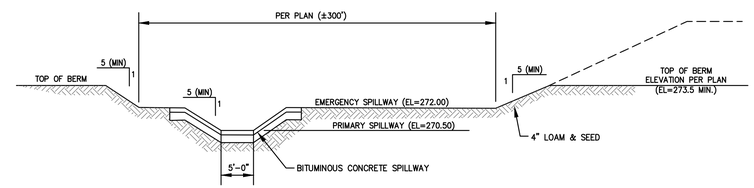
NOTES:

1. THE ENTIRE BASIN SHALL BE LINED WITH 4" FREE DRAINING SANDY LOAM AND SEEDED WITH CONSERVATION SEED MIX FOR STABILIZATION
2. SECTION IS SCHEMATIC ONLY AN ALTERED TO REFLECT DESIGN CONDITIONS AND CHARACTERIZE ALTERED CONDITIONS ASSOCIATED WITH PAST GRAVEL EXTRACTION OPERATIONS



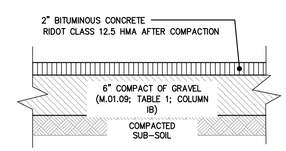
BMP-1 INFILTRATION BASIN

NOT TO SCALE



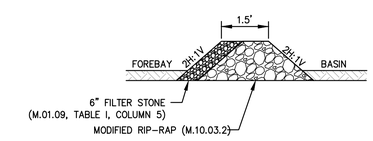
EMBANKMENT - SPILLWAYS

NOT TO SCALE



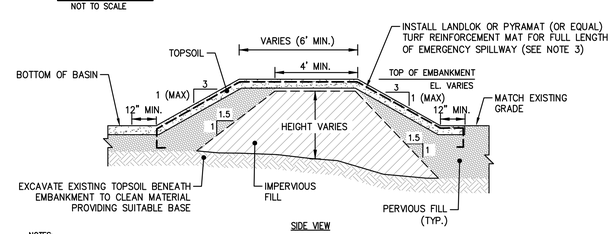
BITUMINOUS CONCRETE SPILLWAY

NOT TO SCALE



FOREBAY STONE FILTER

NOT TO SCALE



SIDE VIEW

NOTES:

1. IMPERVIOUS MATERIAL FOR USE IN BASIN EMBANKMENT AREAS AND WHERE SHOWN ON THE PLANS SHALL BE COMPOSED OF CLAYS, SILTY CLAYS, OR CLAYEY SILTS. THE SOIL SHALL BE FREE OF RUBBISH, ICE, VEGETATIVE MATTER, LOAM, OR OTHER DEBRIS AND HAVE THE FOLLOWING GRADATION AS DEFINED BY A STANDARD SIEVE TEST (ASTM D422).

MIN PERCENT PASSING (BY WEIGHT)	SIEVE SIZE
100	3.5"
80–100	3/4"
40–90	NO. 4
30–85	NO. 40
25–75	NO. 200

2. PERVIOUS BACKFILL MATERIAL FOR USE IN FILL AREAS ASSOCIATED WITH BASIN SHALL BE COMPOSED OF SATISFACTORY ON-SITE MATERIAL OR BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS. SATISFACTORY ON-SITE MATERIAL SHALL HAVE SOIL CLASSIFICATION GROUPS OF GW, GP, GM, SW, SP, AND SM ACCORDING TO ASTM D 2487, OR A COMBINATION OF THESE GROUPS AND SHALL BE FREE OF ROCK OR GRAVEL LARGER THAN 3 INCHES (75MM) IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER.
3. TURF REINFORCEMENT MAT SHALL INSTALLED FOR FULL LENGTH OF SPILLWAY AND SHALL BE BE GROUND-PINNED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND ANCHORED TO A MINIMUM 12" AT INSIDE AND OUTSIDE TOES.

BASIN EMBANKMENT/EMERGENCY SPILLWAY

NOT TO SCALE

STORMWATER MANAGEMENT PLAN & DETAILS

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9 AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE

COVENTRY, RI

PREPARED FOR

ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERSISURVEYORS
LAND PLANNERSIENVIRONMENTAL SCIENTISTS

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PROVIDENCE, R.I. 02940
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DWG. NO. 7492-00-PRELIM SWM PLAN	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
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C-6.0

SEQUENCE AND STAGING OF LAND DISTURBING ACTIVITIES:

1. SURVEY AND STAKE THE DRAINAGE STRUCTURES, LIMIT OF WORK AND SEDIMENTATION BARRIERS.
2. PLACE SEDIMENTATION BARRIERS (SILT SOCK) AS SHOWN ON THE PLANS AND STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS.
3. PERFORM SITEWORK DEMOLITION.
4. BEGIN GRADING AND DRAINAGE WORK (CLEARING AND GRUBBING, EXCAVATING AND GRADING, ETC.). TOP SOIL TO BE STRIPPED AND STOCKPILED IN APPROVED AREAS. THE STOCKPILES ARE TO BE PROTECTED BY A ROW OF SEDIMENTATION BARRIER AND COVERED OR TEMPORARILY SEEDED.
5. INSTALL DRAINAGE SYSTEM. INSTALL SEDIMENT PROTECTION IMMEDIATELY AFTER INSTALLATION.
6. INSTALL BMPS IN ACCORDANCE WITH PLANS. SEDIMENT CONTROLS SHALL BE MAINTAINED AT THE BMP STRUCTURES UNTIL THE BINDER COURSE OF PAVEMENT IS INSTALLED AND DISTURBED AREAS ARE STABILIZED WITH VEGETATION.
7. COMPLETE SITE GRADING.
8. COMPLETE LANDSCAPING AND PERMANENT STABILIZATION. SWEEP THE ROADWAY AREAS TO REMOVE ALL SEDIMENTS.
9. FLUSH AND/OR REPAIR DRAINAGE AREAS AS NEEDED.
10. REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS.

SEDIMENTATION CONTROL PROGRAM:

1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY SEDIMENTS FROM ENTERING THE STATE HIGHWAY OR ADJOINING PROPERTIES.
2. BANKS OR SLOPES OVER 5% SHALL BE SEEDED AS SOON AS POSSIBLE AND SHALL BE PROTECTED WITH A HAY, STRAW OR FIBER MULCH.
3. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
4. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
5. CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORM WATER FLOW.
6. ADDITIONAL SILT SOCKS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.

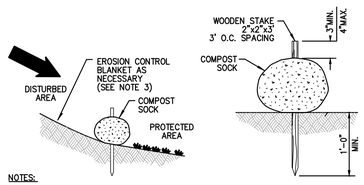
EROSION CONTROL & SOIL STABILIZATION PROGRAM:

1. DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME.
2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
3. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
4. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2000 LBS/ACRE.
5. ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
6. THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS.
7. THE SEED MIX SHALL BE INOCULATED WITHIN TWENTY FOUR (24) HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
8. THE DESIGN MIX FOR TEMPORARY EROSION CONTROL AND SOIL STABILIZATION SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT
CREEPING RED FESCUE	70
ASTORIA BENTGRASS	5
BIRDSFOOT TREEFOIL	15
PERENNIAL RYEGRASS	10
APPLICATION RATE	100 LBS/ACRE

LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE EXISTING CONDITIONS.

9. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE (1) YEAR, AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
10. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
11. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
12. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS OR FLOOD PLAINS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%) AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED AND COMPLETELY ENCIRCLED WITH A CONTINUOUS LINE OF STAKED HAYBALES AND/OR SILT FENCE. (SEE DETAIL)
13. ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.

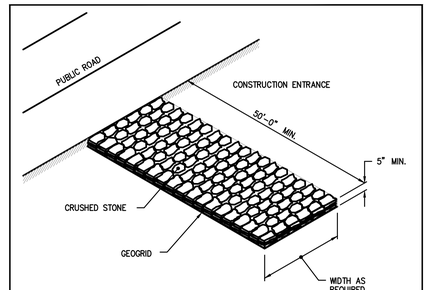


NOTES:

1. COMPOST SOCK SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. COMPOST SOCK SHALL BE A MINIMUM OF 8" IN DIAMETER.
2. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
3. WHEN PLACING COMPOST SOCK ON SLOPES, USE EROSION CONTROL BLANKET IF SPECIFIED ON PLANS.
4. ALWAYS INSTALL COMPOST SOCK PERPENDICULAR TO SLOPE AND ALONG CONTOUR LINES.
5. REMOVE SEDIMENT FROM THE UP SLOPE SIDE OF THE COMPOST SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE COMPOST SOCK.

COMPOST SILT SOCK DETAIL

NOT TO SCALE



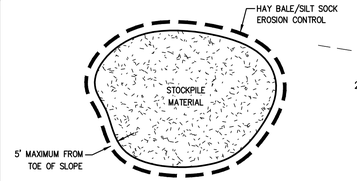
NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

REVISIONS		
NO.	BY	DATE

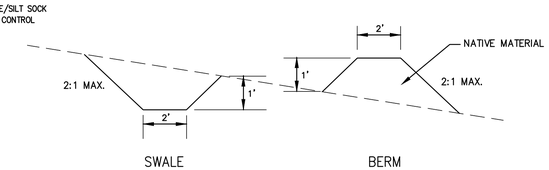
CONSTRUCTION ACCESS

CHIEF ENGINEER TRANSPORTATION | CHIEF DESIGN ENGINEER TRANSPORTATION | JUNE 15, 1998 ISSUE DATE | R.I. STANDARD 9.9.0



STOCKPILE DETAIL

NOT TO SCALE

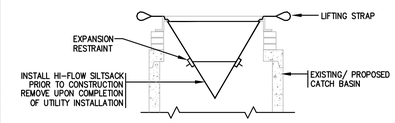


NOTES:

1. COMBINATION SWALE/BERM MAY BE SUBSTITUTED TO MEET THE MINIMUM DIMENSIONS SHOWN.

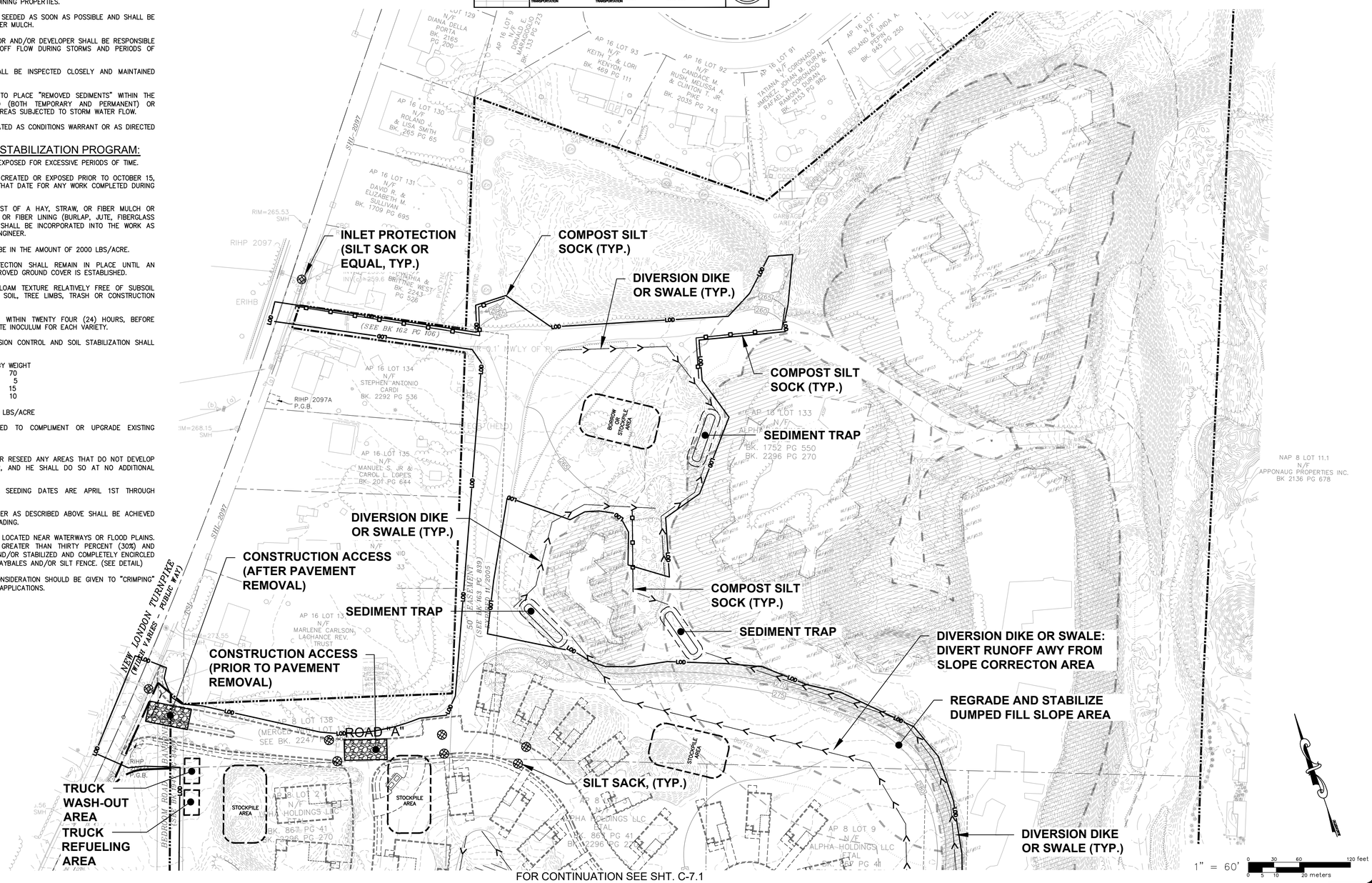
DIVERSION SWALE OR BERM

NOT TO SCALE



SILTSACK®AT CATCH BASIN

NOT TO SCALE



FOR CONTINUATION SEE SHT. C-7.1

SOIL EROSION & SEDIMENT CONTROL PLAN - 1

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9 AND A.P. 16 LOT 133)

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COVENTRY, RI

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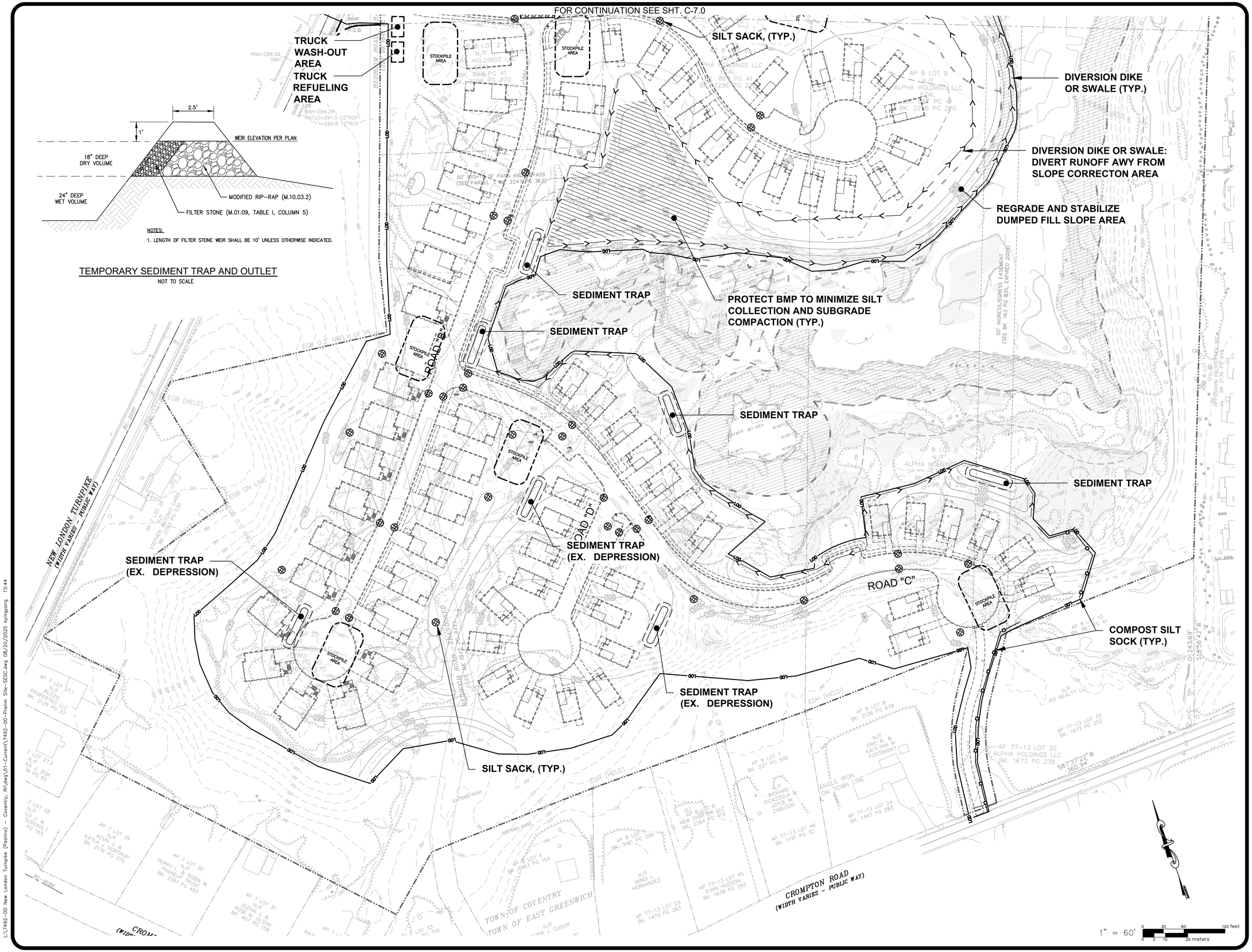

NOTES:

1. LENGTH OF FILTER STONE WEIR SHALL BE 10' UNLESS OTHERWISE INDICATED.

TEMPORARY SEDIMENT TRAP AND OUTLET

NOT TO SCALE

SOIL EROSION & SEDIMENT CONTROL PLAN - 2

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9 AND A.P. 16 LOT 133)

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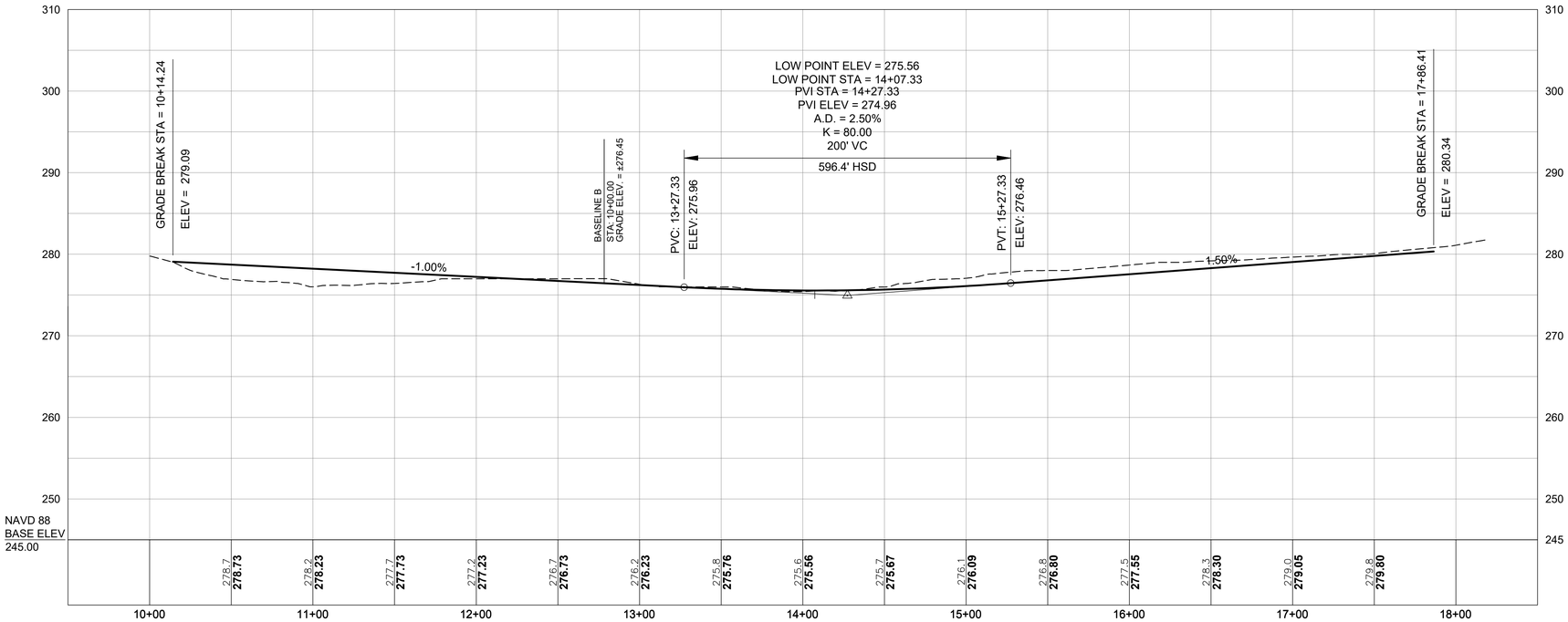
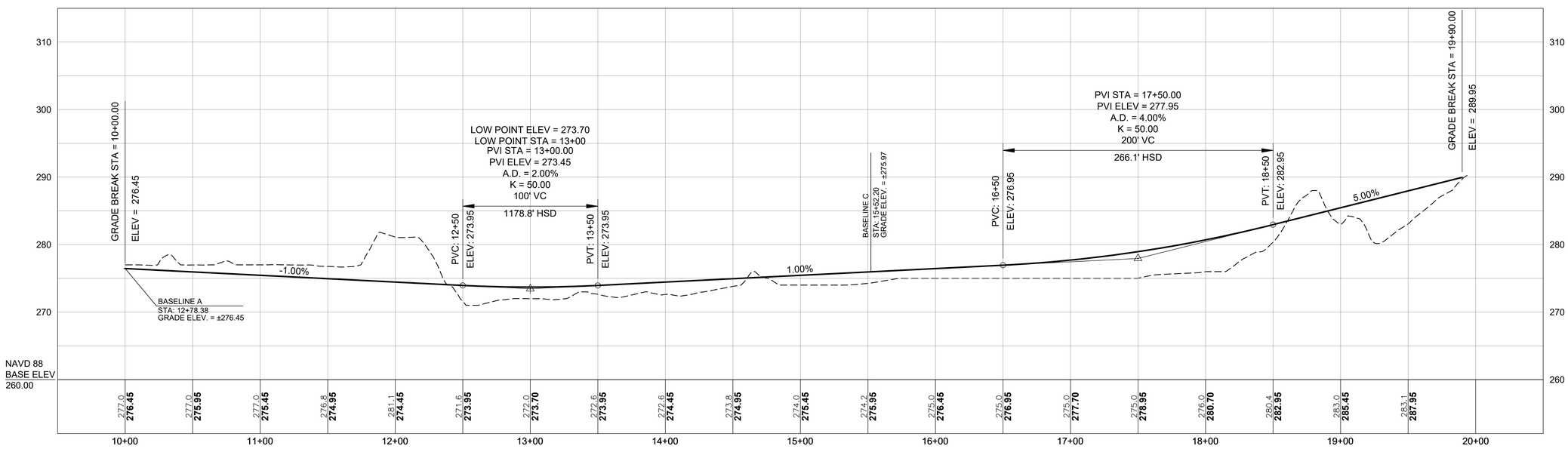


ROAD-A PROFILE

SCALE: 1"=40' (HORIZONTAL)
1"=8' (VERTICAL)



ROAD-B PROFILE

SCALE: 1"=40' (HORIZONTAL)
1"=8' (VERTICAL)

PROFILE - 1

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)
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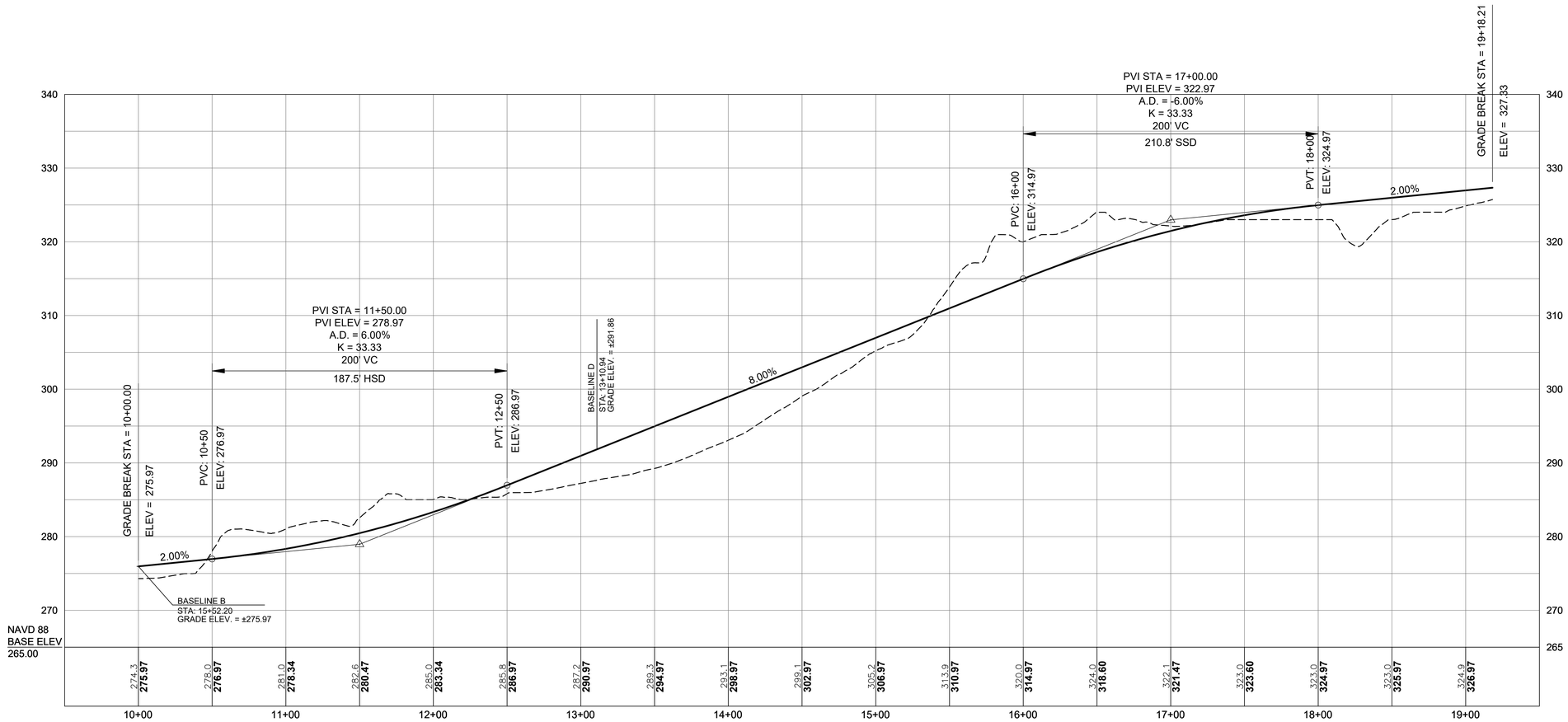
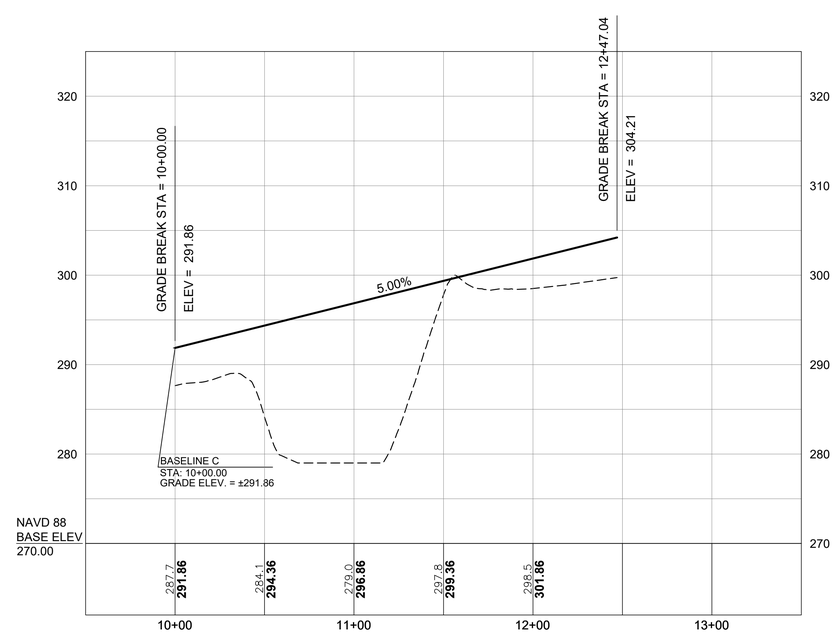
SHEET

C-8.0



ROAD-C PROFILE

SCALE: 1"=40' (HORIZONTAL)
1"=8' (VERTICAL)



ROAD-D PROFILE

SCALE: 1"=40' (HORIZONTAL)
1"=8' (VERTICAL)

PROFILE - 2

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)
NEW LONDON TURNPIKE
COVENTRY, RI

PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

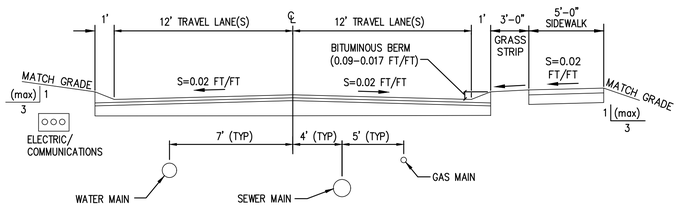
GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS\SURVEYORS
LAND PLANNERS\ENVIRONMENTAL SCIENTISTS

85 CORLISS STREET
P.O. BOX 6145
PROVIDENCE, R.I. 02940
TEL. 401-273-6000

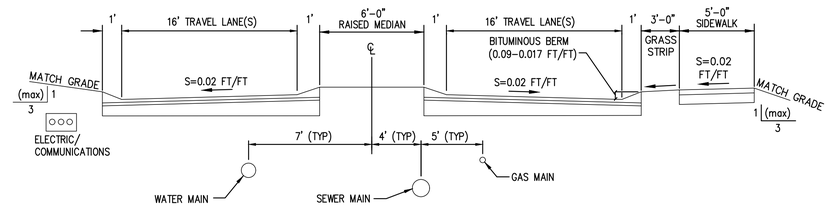
JOB NO. 7492.00	DRAWN BY K.J.A.
DWG. NO. 7492-00-PRELIM PROFILES	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: AUGUST, 2025

SHEET

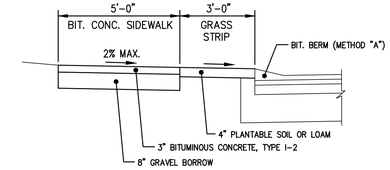
C-8.1



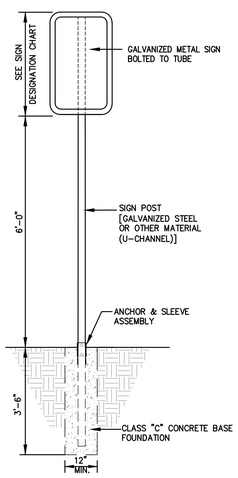
TYPICAL SECTION
(STANDARD ROADWAY)
NOT TO SCALE



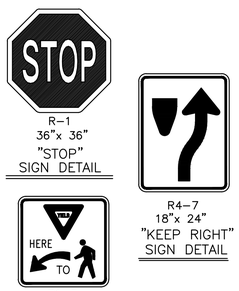
TYPICAL SECTION
(ENTRANCE)
NOT TO SCALE



BITUMINOUS CONCRETE SIDEWALK
NOT TO SCALE



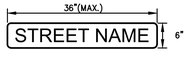
SIGNAGE DETAIL
NOT TO SCALE



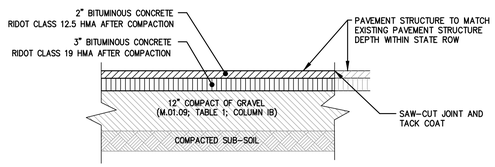
R-1
36"x 36"
"STOP"
SIGN DETAIL

R4-7
18"x 24"
"KEEP RIGHT"
SIGN DETAIL

R1-5
36"x 36"
"YIELD TO PEDESTRIANS"
SIGN DETAIL



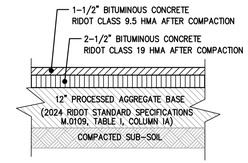
SIGNAGE
NOT TO SCALE



NOTES:

1. SUB-SOIL FILLS SHALL BE COMPRISED OF SELECT GRANULAR MATERIALS, CLASSIFIED AS SM OR MORE GRANULAR BY ASTM D 2487 AND PLACED IN 12-INCH MAXIMUM LIFTS AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM STANDARD PROTECTOR DENSITY AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D689.
2. WITHIN SUBSOIL FILL AREAS, THE CONTRACTOR SHALL PROVIDE AT LEAST ONE COMPACTION TEST PER 100 LINEAR FEET, OR FRACTION THEREOF, OF EACH LIFT OF BACKFILL FOR ROADS. COMPACTION TESTING SHALL BE PERFORMED BY A RIDOT VALIDATED COMMERCIAL TESTING LABORATORY.
3. TACK COAT SHALL BE APPLIED TO VERTICAL FACES OF EXISTING PAVEMENTS IN CONFORMANCE WITH SECTION 400 OF THE THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2022 EDITION

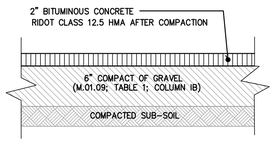
STATE ROW BITUMINOUS CONCRETE PAVEMENT SECTION (BCP)
NOT TO SCALE



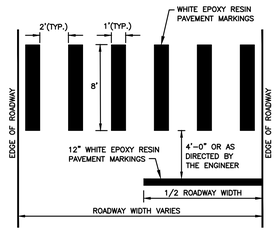
NOTES:

1. THE SOIL MUST HAVE A MOISTURE CONTENT DRY OF OPTIMUM AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D1557.
2. THE SOIL CAN BE COMPACTED TO 98% OF THE MAXIMUM STANDARD PROCTOR DENSITY AS DETERMINED BY THE MOISTURE-DENSITY RELATIONSHIP TEST METHOD ASTM D698.
3. THE SOIL SHALL NOT BE USED IF THE MATERIAL CONTAINS ORGANIC MATTER, RUBBLE, DEBRIS OR ANY OTHER DELETERIOUS MATERIAL.
4. SUBMIT MIX DESIGN TO THE CIVIL ENGINEER OF RECORD AT LEAST 30 DAYS PRIOR TO BEGINNING ASPHALT PAVING OPERATIONS. MIX DESIGNS OVER ONE YEAR OLD WILL NOT BE ACCEPTED. MIX DESIGNS SUBMITTAL SHALL FOLLOW THE LATEST EDITION OF THE RIDOT STANDARD SPECIFICATIONS.

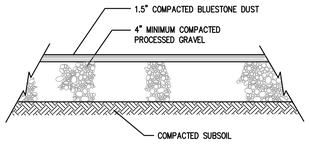
BITUMINOUS CONCRETE PAVEMENT
NOT TO SCALE



BITUMINOUS CONCRETE DRIVEWAYS
NOT TO SCALE

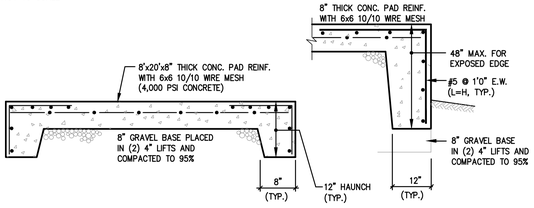


CROSSWALK AND STOP BAR
NOT TO SCALE



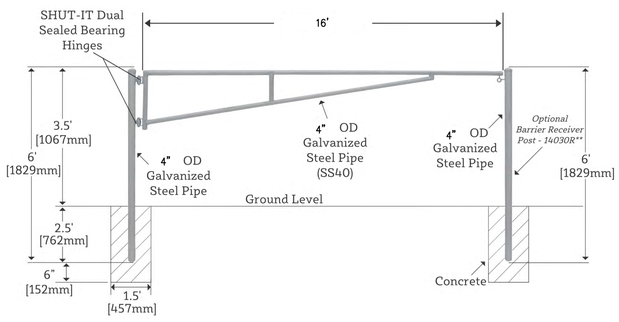
NOTE: MINIMUM CROSS PITCH 2%

GRAVEL PATHWAY
NOT TO SCALE

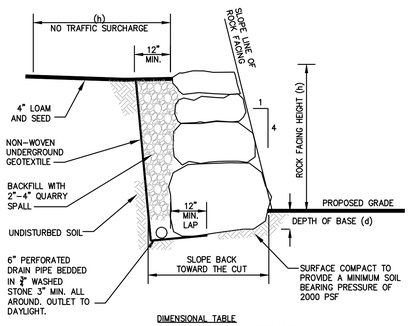


NOTE:
TOOLED JOINTS SHALL BE INSTALLED AT 6' MAXIMUM SPACING EACH WAY.

POSTAL BOX CONCRETE PAD
NOT TO SCALE



MANUAL BAR GATE
NOT TO SCALE



DIMENSIONAL TABLE

(h)	(d)	SIZE (BASE)	SIZE (TOP)
2 FEET	3 INCHES	2-MAN	1-MAN
4 FEET	6 INCHES	3-MAN	2-MAN
6 FEET	9 INCHES	4-MAN	2-MAN
8 FEET	12 INCHES	5-MAN	2-MAN

NOTES:

1. USE THE FOLLOWING TABLE WHEN REFERRING TO LARGER SIZE ROCKS AND BOULDERS.

ROCK SIZE	ROCK WEIGHT	AVG. DIMENSIONS
ONE MAN	50 – 200LBS	12" – 18"
TWO MAN	200 – 700LBS	18" – 28"
THREE MAN	700 – 2,000LBS	28" – 36"
FOUR MAN	2,000 – 4,000LBS	36" – 48"
FIVE MAN	4,000 – 6,000LBS	48" – 54"

2. FOR HEIGHTS LESS THAN OR EQUAL TO 3', PERFORATED DRAIN MAY BE ELIMINATED WHERE FREE DRAINING BACKFILL PROVIDES FOR WATER FLOW THROUGH WALL.

BOULDER WALL
NOT TO SCALE

CONSTRUCTION DETAILS - 1

FOR
(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)
NEW LONDON TURNPIKE
COVENTRY, RI
PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

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CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
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SCALE: AS SHOWN
DRAWN BY K.J.A.
CHECK BY S.S.H.
APPROVED S.S.H.
DATE: AUGUST, 2025

SHEET
C-9.0

WATER ENCLOSURE NOTES:

1. ALL WATER EQUIPMENT TO BE INSTALLED WITH 12" MINIMUM CLEARANCE ON ALL SIDES.
2. ELECTRICAL SERVICE TO BE DESIGNED BY OTHERS.
3. CONTRACTOR SHALL INSTALL ALL FITTINGS, METERS, BACKFLOW PREVENTORS, PIPES AND APPURTENANCES IN ACCORDANCE WITH THE KENT COUNTY WATER AUTHORITY REQUIREMENTS. THE THE KENT COUNTY WATER AUTHORITY SHALL BE NOTIFIED PRIOR TO ORDERING FOR CONFIRMATION SUITABILITY OF ALL EQUIPMENT MANUFACTURERS/MODELS UTILIZED.
4. ENCLOSURE STRUCTURE SHALL BE HEATED AND CAPABLE OF MAINTAINING A MINIMUM TEMPERATURE OF 40 DEGREES AT ALL TIMES. STRUCTURE SHALL BE PREFABRICATED INSULATED ALUMINUM STRUCTURE AS MANUFACTURED BY "HOT-BOX", OR APPROVED EQUAL, INSTALLED ON A CONCRETE PAD IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. ALTERNATE STRUCTURE MAY BE SUBSTITUTED BY OWNER WITH APPROVAL OF THE KENT COUNTY WATER AUTHORITY.
5. FACILITY SHALL BE PADLOCKED AND TWO (2) KEY COPIES SHALL BE PROVIDED TO THE KENT COUNTY WATER AUTHORITY.
6. STEEL PIPE SUPPORTS SHALL BE PROVIDED AS WARRANTED BY FINAL PIPING ARRANGEMENT SUPPORTS SHALL BE 1" O.D. STEEL PIPE WITH A SADDLE TO SUPPORT THE PIPE AND A FLOOR FLANGE FOR MOUNTING. PIPE SUPPORTS SHALL BE PAINTED WITH ONE PRIME COAT BENJAMIN MOORE IRON CLAD RETARDO RUST INHIBITIVE PAINT AND TWO FINISH COATS OF BENJAMIN MOORE IRON CLAD RETARDO RUST INHIBITIVE PAINT. COLOR SHALL BE BLACK OR AS DIRECTED BY THE KENT COUNTY WATER AUTHORITY.
7. CONTRACTOR SHALL SUBMIT COMPLETE SHOP AND FABRICATION DRAWINGS (INCLUDING EQUIPMENT AND ENCLOSURE) TO ENSURE ALL REQUIRED ACCESSORIES CAN FIT IN ENCLOSURE WITH ADEQUATE ROOM FOR ACCESS AND MAINTENANCE.

GENERAL WATER NOTES:

1. THE LOCATION OF ALL EXISTING UTILITIES IS APPROXIMATE ONLY AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO START OF CONSTRUCTION.
2. CONTRACT DIG-SAFE AND UTILITY COMPANIES FOR EXACT ON-SITE LOCATION OF EXISTING UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO START CONSTRUCTION.
3. KENT COUNTY WATER AUTHORITY TO BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL OBTAIN REQUIRED INSPECTION SCHEDULE OF THE MUNICIPALITY. UTILITY COMPANIES AND ALL OTHER REQUIRED PARTIES AND SHALL STRICTLY ADHERE TO THOSE REQUIREMENTS.
5. A 24 HOURS NOTICE IS REQUIRED FOR ALL AFFECTED CUSTOMERS DUE TO THE SHUT DOWN AND INSTALLATION OF THE VALVE AT THE END OF THE EXISTING WATER LINE WELL IN ADVANCE.
6. CONTRACTOR MUST REFER TO THE KCWA RULES AND REGULATIONS FOR SERVICE INSTALLATION AND EXTENSIONS FOR PROPER REVIEW AND INSTALLATION REQUIREMENTS.
7. SHOP DRAWINGS/ CUT SHEETS FOR WATER WORKS MATERIAL TO BE UTILIZED SHALL BE SUBMITTED TO THE KENT COUNTY WATER AUTHORITY 72 HOURS IN ADVANCE OF CONSTRUCTION (EXCLUDING WEEKENDS & HOLIDAYS)

WATER LINE CONSTRUCTION NOTES:

1. INSTALLATION OF ALL WATER LINES SHALL BE IN ACCORDANCE WITH THE DUCTILE IRON PIPE RESEARCH ASSOCIATION'S INSTALLATION MANUAL AND ANSI/AWWA C600.
2. TRENCH SHALL BE IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION TYPE 5 TRENCH.
3. PIPING SHALL BE LAID STRAIGHT TRUE TO LINE AND IN ALL CASES HIGH POINT SHALL BE EQUIPPED WITH AUTOMATIC AIR RELEASE VALVE IN A PRE-CAST CONCRETE CHAMBER WITH CAST IRON MANHOLE FRAME AND COVER DIAMOND CHECK PATTERN WITH "CAPS" CAST UPON IT. CHAMBER, FRAME & COVER SHALL BE DESIGNED TO WITHSTAND AN H-20 WHEEL LOADING.
4. PIPE MAY BE DEFLECTED IN ORDER TO MAKE ADJUSTMENTS IN THE ALIGNMENT. ALL DEFLECTIONS SHALL BE A MAXIMUM OF 75% OF THE MANUFACTURERS SAFE ALLOWABLE DEFLECTION PER PIPE LENGTH.
5. METALIZED DETECTABLE IDENTIFICATION TAPE 2-1/2" IN WIDTH, BLUE IN COLOR AND PRINTED WITH "CAUTION WATER LINE BURIED BELOW" SHALL BE UTILIZED OVER ALL MAINS SET TO A DEPTH OF FINISHED GRADE OF NO MORE THAN 1'-0".

WATER LINE PRESSURE TEST NOTES:

1. PRESSURE TEST SHALL BE DONE ON ALL COMPLETED WATER LINES PRIOR TO ACCEPTANCE. PRESSURE TEST SHALL BE DONE BY THE PROPOSER WITNESS BY THE KENT COUNTY WATER AUTHORITY.
2. TEST PRESSURES SHALL BE ONE AND ONE HALF TIMES THE MAXIMUM WORKING PRESSURE OF THE SYSTEM BUT NOT LESS THAN 150 PSI. TEST SHALL BE WITNESS BY AN EMPLOYEE OF THE KENT COUNTY WATER AUTHORITY.
3. PROPER THRUSTING OF ALL PIPE FITTINGS, CAPS, HYDRANTS AND APPURTENANCES SHALL BE DONE TO RESIST THE IMPOSED TEST PRESSURE.

NOTIFICATION:

1. KENT COUNTY WATER AUTHORITY SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO CONSTRUCTION COMMENCEMENT OF ANY ITEM BEING INSTALLED WITHIN THEIR SYSTEM.
2. PRIOR TO PRESSURE TESTING AND/OR CHLORINATION KENT COUNTY WATER AUTHORITY SHALL BE NOTIFIED TWO DAYS PRIOR TO THE DATE OF THE TEST.
3. IF KENT COUNTY WATER AUTHORITY IS UNAVAILABLE TO WITNESS THE TEST DUE TO TIME CONSTRAINTS ON OTHER PROJECTS, THE PROPOSER SHALL DELAY TEST PROCEDURES UNTIL SUCH TIME THAT THE KENT COUNTY WATER AUTHORITY EMPLOYEES ARE AVAILABLE.

INSPECTION:

1. KENT COUNTY WATER AUTHORITY EMPLOYEES SHALL BE GIVEN FULL ACCESS TO THE PROJECT AT ALL TIMES FOR INSPECTION ON AN AS NEED BASIS.
2. DESIGN DRAWINGS AND RECORD DRAWINGS OF THE PROGRESS OF THE WORK SHALL BE MAINTAINED AT THE JOB SITE AND SHALL BE AVAILABLE FOR THE INSPECTOR OF THE KENT COUNTY WATER AUTHORITY TO VIEW AT ANY TIME.

CHLORINATION:

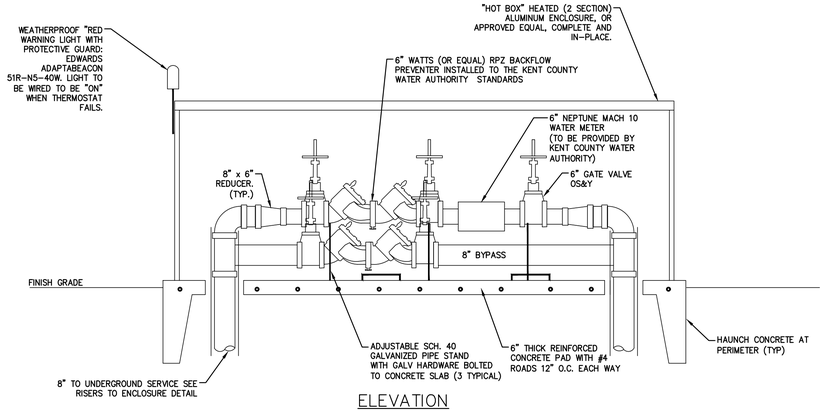
ALL NEW WATER MAINS SHALL BE FLUSHED, CLEANED AND CHLORINATED. CHLORINATION SHALL BE PERFORMED BY THE PROPOSER OR THE CONTRACTOR FOR THE PROPOSER IN ACCORDANCE WITH CHAPTER 5, DISTRIBUTION SYSTEM CHLORINATION, AMERICAN WATER WORKS ASSOCIATION MANUAL #20 EXCEPT TABLET CHLORINATION SHALL NOT BE ALLOWED. SAMPLES SHALL BE TAKEN BY KENT COUNTY WATER AUTHORITY EMPLOYEES AND TESTED BY KENT COUNTY WATER AUTHORITY LABORATORY. THE WATER SAMPLES SHALL BE CONSISTENT IN QUALITY WITH THE KENT COUNTY WATER AUTHORITY'S WATER IN ITS SYSTEM PRIOR TO CONNECTION. ALL WATER UTILIZED IN THE FLUSHING AND CHLORINATION MUST BE DONE THROUGH AN ISOLATED CONNECTION TO THE KENT COUNTY WATER SYSTEM THROUGH A BACKFLOW PREVENTOR. ALL WATER UTILIZED WILL BE PAID FOR IN ADVANCE FOR FLUSHING AND CHLORINATION OPERATION BY THE PROPOSER. METERING OF THIS WATER MAY BE REQUIRED. THE PROPOSER SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR THIS OPERATION AT NO COST TO THE KENT COUNTY WATER AUTHORITY.

METERING:

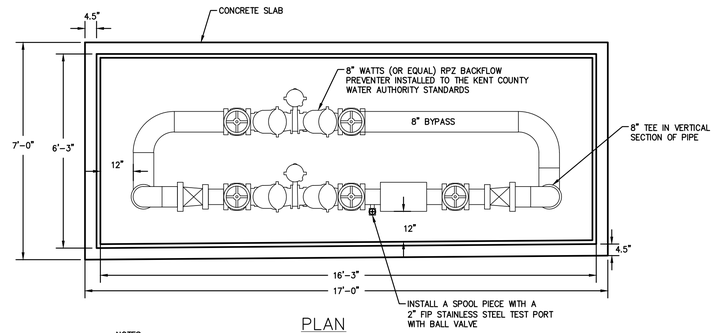
1. ALL METERS SHALL BE COMPARABLE WITH "NEPTUNE" ARB SYSTEM MACH 10 METER EMPLOYED BY KENT COUNTY WATER AUTHORITY. THE PROPOSED METER SHALL UTILIZE THE NEPTUNE E-CODER R900 RADIO FREQUENCY SYSTEM.
2. ALL METERS TO READ IN CUBIC FEET.
3. INFLUENT AND EFFLUENT VALVES SHALL BE PROVIDED INSIDE THE "HOT BOX" ENCLOSURE BEFORE AND AFTER THE METER COUPLINGS. BALL VALVES ON EITHER SIDE OR BALL VALVE, CHECK VALVE COMBINATION WILL BE ACCEPTABLE.
4. ARB READING BOX SHALL BE MOUNTED ON A PRESSURE TREATED 4" X 4" POST OR DIRECTLY TO THE "HOT BOX" ENCLOSURE. THE PROPOSED METER SHALL UTILIZE THE NEPTUNE E-CODER R900 RADIO FREQUENCY SYSTEM.

BLACKFLOW PREVENTION:

1. BACKFLOW PREVENTERS MUST BE INSTALLED AND OPERATIONAL PRIOR TO CONNECTION TO KENT COUNTY WATER AUTHORITY SYSTEM. VALVES SHALL BE LOCATED ON BOTH SIDES OF THE BACKFLOW PREVENTER WITH OR TEST PLUGS ON THE INFLUENT SIDE VALVE.
2. RESIDENTIAL UNITS MUST BE EQUIPPED WITH NON-REMOVABLE VACUUM BREAKERS ON ALL OUTSIDE HOSE BIBBS PRIOR TO SERVICE CONNECTION AND METER INSTALLATION. STYLE SHALL BE NON-REMOVABLE SELF DRAINING TYPE WATTS NO. 80 OR EQUAL.
3. ALL RESIDENTIAL LAWN SPRINKLER SYSTEM MUST BE PROVIDED WITH A POSITIVE VACUUM BREAKER ASSEMBLY WHERE THE SYSTEM CONNECTS TO WATER SUPPLY. IT SHALL BE IN LOCATION THAT IS ALWAYS FREE DRAINING AND WILL NOT BE SUBMERGED.



ELEVATION



PLAN

NOTES:
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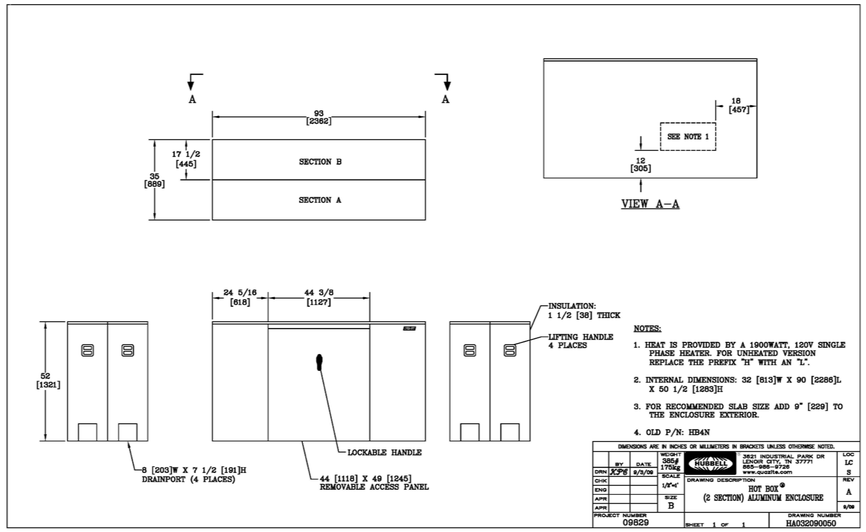
2. CONTRACTOR SHALL INSTALL A STRAINER PRIOR TO THE BACKFLOW PREVENTERS IF RECOMMENDED BY SELECTED MANUFACTURER.
3. SEE SHEET C-1 FOR ADDITIONAL WATER ENCLOSURE NOTES.

WATER SERVICE ENCLOSURE

NOT TO SCALE



NOTES:
1. HEAT IS PROVIDED BY A 1900WATT, 120V SINGLE PHASE HEATER. FOR UNHEATED VERSION REPLACE THE PREFIX "H" WITH AN "L".
2. INTERNAL DIMENSIONS: 32 [813]W X 90 [2286]L X 50 1/2 [1283]H
3. FOR RECOMMENDED SLAB SIZE ADD 9" [229] TO THE ENCLOSURE EXTERIOR.
4. OLD P/N: HB4N

DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE NOTED.

	BY	DATE	WEIGHT 385# 175kg	HUBBELL 3831 INDUSTRIAL PARK DR HOPE MILLS, NC 28348 910-875-1121 FAX 910-875-3279 www.quickfix.com	LOC LC
DRN	JCPE	8/3/09	SCALE 1/4"=1'	DRAWING DESCRIPTION HOT BOX® (2 SECTION) ALUMINUM ENCLOSURE	REV A
CHK					
ENG			SIZE B		
APR					
APR					
PROJECT NUMBER 09829				SHEET 1 OF 1 DRAWING NUMBER HA032090050	6/08

CONSTRUCTION DETAILS - 2

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9 AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE
COVENTRY, RI

PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

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CIVIL & STRUCTURAL ENGINEERS|SURVEYORS
LAND PLANNERS|ENVIRONMENTAL SCIENTISTS

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DWG. NO. 7492-00-PRELIM DETAILS	CHECK BY S.S.H.
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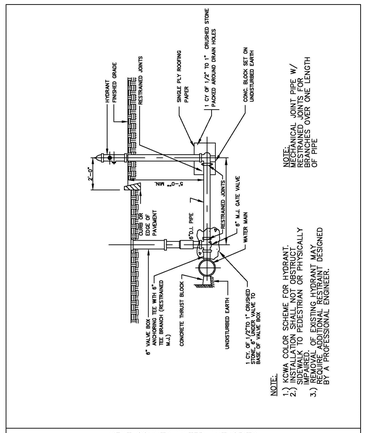
SHEET

C-9.1



KENT COUNTY WATER AUTHORITY

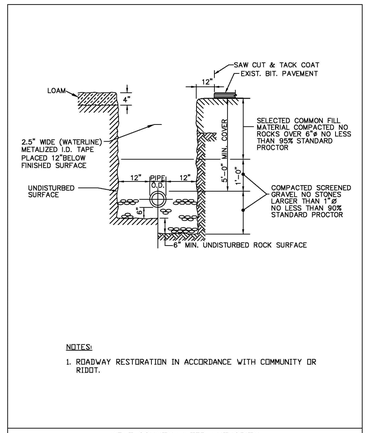
KCWA "proudly serving"

HYDRANT

NOT TO SCALE

DATE: 09/2006

HYDRANT.DWG



NOTES:

1. ROADWAY RESTORATION IN ACCORDANCE WITH COMMUNITY OR RIDOT.

KENT COUNTY WATER AUTHORITY

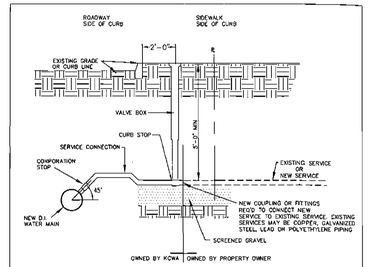
KCWA "proudly serving"

TRENCH INSTALLATION IN ROCK AND SOIL

NOT TO SCALE

DATE: 09/2006

TRENCHDT.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

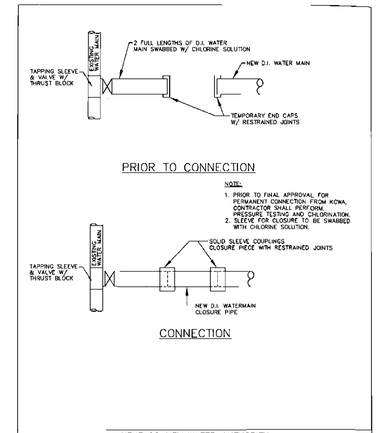
KCWA "proudly serving"

SERVICE CONNECTION

NOT TO SCALE

DATE: 09/2006

SERVICECONNECT.DWG



KENT COUNTY WATER AUTHORITY

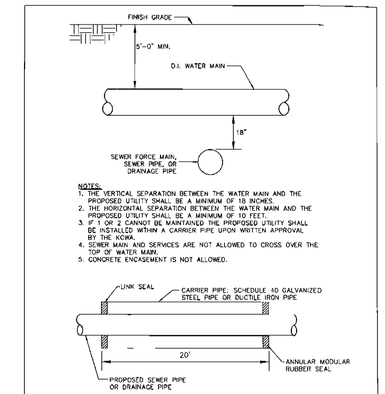
KCWA "proudly serving"

CONNECTION OF NEW WATER MAIN TO EXISTING WATER MAIN

NOT TO SCALE

DATE: 06/2005

CONNW.DWG



KENT COUNTY WATER AUTHORITY

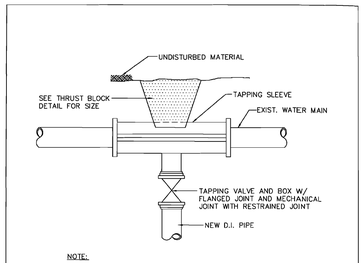
KCWA "proudly serving"

UTILITY SEPERATION

NOT TO SCALE

DATE: 09/2006

UTILSEP.DWG



NOTE:

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

KENT COUNTY WATER AUTHORITY

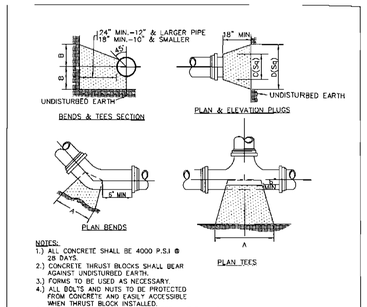
KCWA "proudly serving"

TAPPING SLEEVE AND VALVE

NOT TO SCALE

DATE: 09/2006

TAPNGSLEVE.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		11¼° BEND	
	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"	5"	3"
8"	26"	13"	12"	28"	32"	16"	24"	12"	17"	8"	12"	6"	6"	3"
10"	34"	17"	14"	34"	40"	20"	30"	15"	22"	11"	15"	8"	7"	4"
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

THRUSTBLK.DWG

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

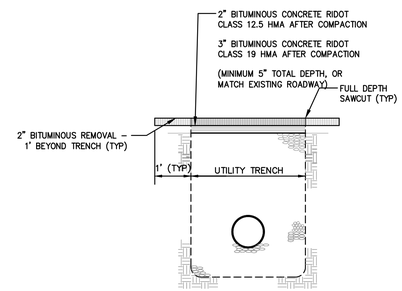
KCWA "proudly serving"

RESTRAINED PIPE LENGTHS

NOT TO SCALE

DATE: 09/2006

RESTRDCT.DWG



NOTE:

1. FOLLOWING SETTLING OF PAVEMENT WITHIN THE UTILITY TRENCHES, THE CONTRACTOR SHALL REMOVE 2" BITUMINOUS ACROSS ENTIRE TRENCH WORK ZONE (AND 1' BEYOND TRENCHES) AND REPLACE WITH 2" BITUMINOUS CONCRETE, CLASS 12.5.

PAVEMENT RESURFACE

NOT TO SCALE

CONSTRUCTION DETAILS - 3

FOR

(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9 AND A.P. 16 LOT 133)

NEW LONDON TURNPIKE

COVENTRY, RI

PREPARED FOR

ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
LAND PLANNERS/ENVIRONMENTAL SCIENTISTS

85 CORLISS STREET
P.O. BOX 6145
PROVIDENCE, R.I. 02940
TEL. 401-273-6000

JOB NO. 7492.00

DWG. NO. 7492-00-PRELIM DETAILS

SCALE: AS SHOWN

DRAWN BY K.J.A.

CHECK BY S.S.H.

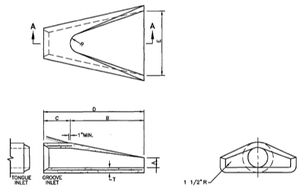
APPROVED S.S.H.

DATE: AUGUST, 2025

SHEET

C-9.2

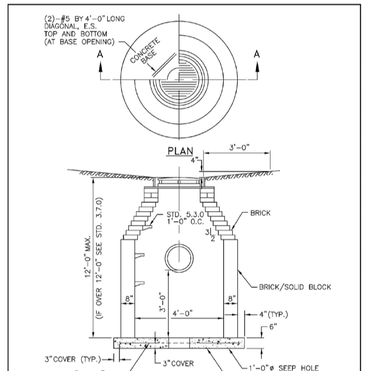
24 OF 25 SHEETS



DIMENSIONS								REINFORCEMENT
DIA.	A	B	C	D	E	R	T	ONE LAYER REINFORCEMENT IN CORNER OF WALL MIN. AREA OF EACH WAY (SQ. IN./FT.)
1'-0"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	9"	2"	0.048
1'-6"	6"	2'-3"	3'-10"	6'-1"	2'-6"	11"	2 1/4"	0.054
1'-8"	6"	2'-3"	3'-10"	6'-1"	3'-0"	12"	2 1/2"	0.060
2'-0"	9 1/2"	2'-7 1/2"	4'-6"	6'-11 1/2"	4'-0"	1'-3"	3"	0.072
2'-6"	1'-0"	4'-0"	1'-7 3/4"	6'-1 3/4"	5'-0"	1'-3"	3 1/2"	0.084
3'-0"	1'-3"	5'-3"	2'-10 3/4"	6'-1 3/4"	6'-0"	1'-8"	4"	0.096
3'-6"	1'-9"	6'-3"	2'-11"	6'-2"	6'-6"	1'-10"	4 1/2"	0.108
4'-0"	2'-0"	6'-9"	2'-2"	6'-2"	7'-0"	1'-10"	5"	0.120
4'-6"	2'-3"	6'-9"	2'-11"	6'-4"	7'-6"	2'-0"	5 1/2"	0.132
5'-0"	2'-6"	5'-0"	3'-3"	6'-3"	8'-0"	2'-0"	6"	0.144

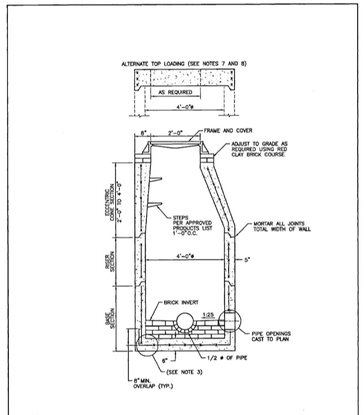
NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 701 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
PRECAST CONCRETE FLARED END SECTION
JUNE 15, 1998
R.I. STANDARD 2.3.0



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. 1/2" CEMENT MORTAR PLASTER COAT REQUIRED ON ALL INSIDE AND OUTSIDE SURFACES.
3. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
BRICK/SOLID BLOCK TYPE "R" CATCH BASIN
JUNE 15, 1998
R.I. STANDARD 3.4.3



NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED = 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
4. ONE FOUR MONOLITHIC BASE SECTION.
5. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
6. CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0"øCATCH BASIN ONLY.
7. FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
8. THE CENTERLINE OF THE OPENING MUST BE WITHIN 12" FROM THE STEP IN THE CASTING PLANT.
9. ALTERNATE TOP LOADING IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
10. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
11. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
PRECAST 4'-0" ROUND MANHOLE
JUNE 15, 1998
R.I. STANDARD 4.2.0

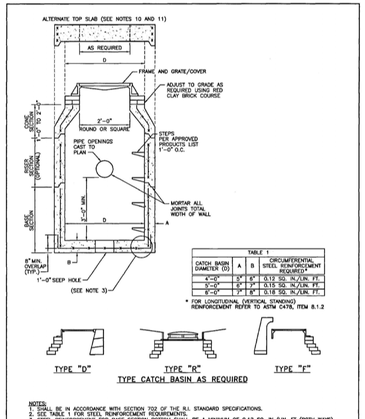
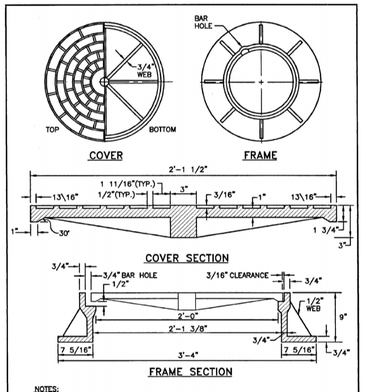


TABLE 1			
CATCH BASIN DIAMETER (D)	A	B	CIRCUMFERENTIAL STEEL REINFORCEMENT REQUIRED*
4'-0"	3"	8"	0.12 SQ. IN./LIN. FT.
5'-0"	6"	7"	0.15 SQ. IN./LIN. FT.
6'-0"	7"	8"	0.18 SQ. IN./LIN. FT.

* FOR LONGITUDINAL (VERTICAL STANDING) REINFORCEMENT REFER TO ASTM C478, ITEM 8.1.2

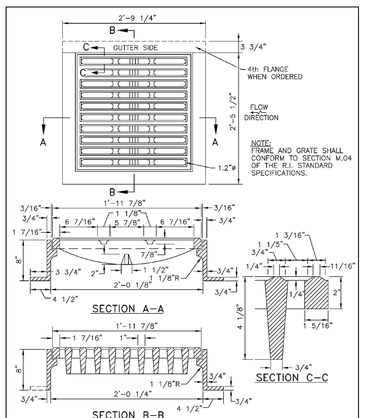
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. SEE TABLE 1 FOR STEEL REINFORCEMENT REQUIREMENTS.
3. STEEL REINFORCEMENT FOR BASE SECTION BOTTOM SHALL BE A MINIMUM OF 0.12 SQ. IN./LIN. FT. (BOTH WAYS).
4. STEPS SHALL CONFORM TO STD. 5.3.2 AND SHALL BE INSTALLED AT THE CASTING PLANT.
5. ONE FOUR MONOLITHIC BASE SECTION.
6. ANY NECESSARY ADJUSTMENTS DURING CONSTRUCTION WILL BE DONE BY SAW-CUTTING AND/OR CORING ONLY. NO JACKHAMMERS, HAMMERS AND CHISELS OR PNEUMATIC TOOLS WILL BE ALLOWED.
7. CORBEL MADE OF RED CLAY BRICK WILL BE PERMITTED FOR THE "CONE SECTION" OF THE 4'-0"øCATCH BASIN ONLY.
8. FOR CATCH BASIN TYPES "D" AND "F" STEPS MUST BE INSTALLED ON THE CURB SIDE OF THE STRUCTURE.
9. THE CENTERLINE OF THE OPENING MUST BE WITHIN 12" FROM THE STEP IN THE CASTING PLANT.
10. ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-25 LOADING (SEE STD. 4.7.2).
11. ALTERNATE TOP SLAB IS ONLY FOR USE WHEN REDUCING SECTION DOES NOT FIT BECAUSE OF STRUCTURE DEPTH.
12. REFER TO STD. 5.2.0 FOR MAXIMUM PIPE SIZES.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN
JUNE 15, 1998
R.I. STANDARD 4.4.0



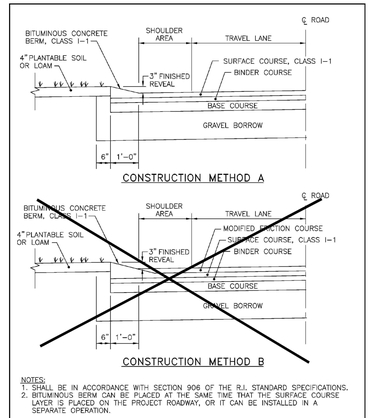
NOTES:
1. FRAME AND GRATE SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
2. FRAME AND COVER SEATS MUST HAVE MACHINE FINISH.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
HEAVY-DUTY ROUND FRAME AND COVER
JUNE 15, 1998
R.I. STANDARD 6.2.1



NOTE:
FRAME AND GRATE SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
SQUARE FRAME AND GRATE (BICYCLE SAFE)
JUNE 15, 1998
R.I. STANDARD 6.3.2



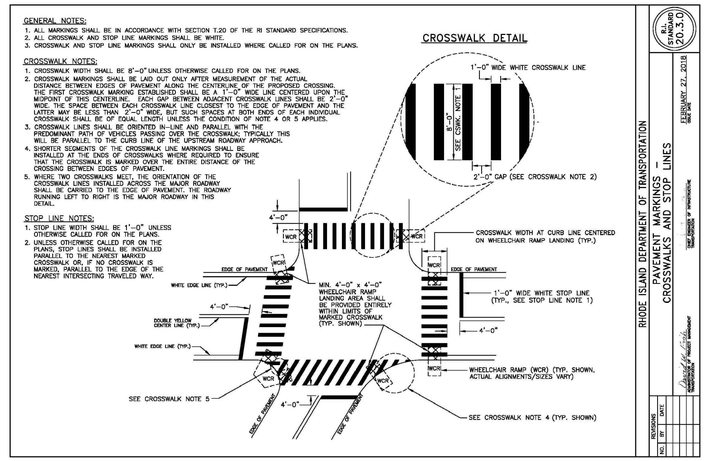
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. BITUMINOUS BERM CAN BE PLACED AT THE SAME TIME THAT THE SURFACE COURSE LAYER IS PLACED ON THE PROJECT ROADWAY, OR IT CAN BE INSTALLED IN A SEPARATE OPERATION.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
BITUMINOUS BERM
JUNE 15, 1998
R.I. STANDARD 7.5.1

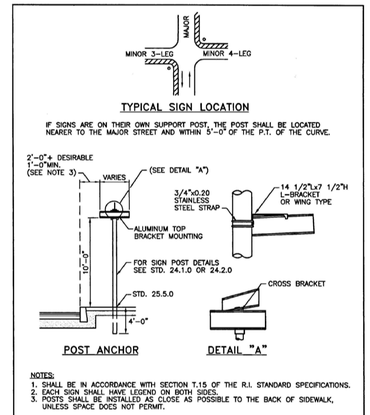
GENERAL NOTES:
1. ALL MARKINGS SHALL BE IN ACCORDANCE WITH SECTION 1.20 OF THE RI STANDARD SPECIFICATIONS.
2. ALL CROSSWALK AND STOP LINE MARKINGS SHALL BE WHITE.
3. CROSSWALK AND STOP LINE MARKINGS SHALL ONLY BE INSTALLED WHERE CALLED FOR ON THE PLANS.

CROSSWALK NOTES:
1. CROSSWALK WIDTH SHALL BE 8'-0" UNLESS OTHERWISE CALLED FOR ON THE PLANS.
2. CROSSWALK MARKINGS SHALL BE LAID OUT ONLY AFTER MEASUREMENT OF THE ACTUAL DISTANCE BETWEEN EDGES OF PAVEMENT ALONG THE CENTERLINE OF THE PROPOSED CROSSING. THE FIRST CROSSWALK MARKING ESTABLISHED SHALL BE A 1'-0" WIDE LINE CENTERED UPON THE MIDPOINT OF THIS CENTERLINE. EACH GAP BETWEEN ADJACENT CROSSWALK LINES SHALL BE 2'-0" WIDE. THE SPACE BETWEEN EACH CROSSWALK LINE CLOSEST TO THE EDGE OF PAVEMENT AND THE CURBS MAY BE LESS THAN 2'-0", BUT NOT LESS THAN 1'-0". PLACE ARROWS AT BOTH ENDS OF EACH INDIVIDUAL CROSSWALK SHALL BE OF EQUAL LENGTH UNLESS THE CONDITION OF NOTE 4 OR 5 APPLIES.
3. CROSSWALK LINES SHALL BE ORIENTED IN-LINE AND PARALLEL WITH THE PREDOMINANT PATH OF VEHICLES PASSING OVER THE CROSSWALK; TYPICALLY THIS WILL BE PARALLEL TO THE CURB LINE OF THE UPSTREAM ROADWAY APPROACH.
4. SHORTER SEGMENTS OF THE CROSSWALK LINE MARKINGS SHALL BE INSTALLED AT THE ENDS OF CROSSWALKS WHERE REQUIRED TO ENSURE THAT THE CROSSWALK IS MARKED OVER THE ENTIRE DISTANCE OF THE CROSSING BETWEEN EDGES OF PAVEMENT.
5. WHERE TWO CROSSWALKS MEET, THE ORIENTATION OF THE CROSSWALK LINES INSTALLED ACROSS THE MAJOR ROADWAY SHALL BE CARRIED TO THE EDGE OF PAVEMENT. THE ROADWAY RUNNING LEFT TO RIGHT IS THE MAJOR ROADWAY IN THIS DETAIL.

STOP LINE NOTES:
1. STOP LINE WIDTH SHALL BE 1'-0" UNLESS OTHERWISE CALLED FOR ON THE PLANS.
2. UNLESS OTHERWISE CALLED FOR ON THE PLANS, STOP LINES SHALL BE INSTALLED PARALLEL TO THE NEAREST MARKED CROSSWALK OR, IF NO CROSSWALK IS MARKED, PARALLEL TO THE EDGE OF THE NEAREST INTERSECTING TRAVELED WAY.

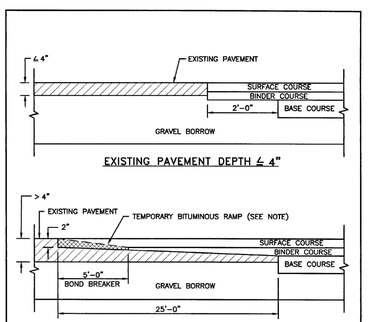


RHODE ISLAND DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS CROSSWALKS AND STOP LINES
FEBRUARY 27, 2013
R.I. STANDARD 12.0.3.0



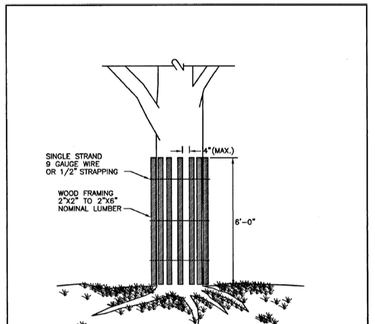
NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION T.15 OF THE R.I. STANDARD SPECIFICATIONS.
2. EACH SIGN SHALL HAVE LEGEND ON BOTH SIDES.
3. POSTS SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE BACK OF SIDEWALK, UNLESS SPACE DOES NOT PERMIT.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
STREET SIGN MOUNTING DETAIL
JUNE 15, 1998
R.I. STANDARD 24.6.1



NOTE:
A BOND BREAKER (TAPERED OR EQUIVALENT) WILL BE PLACED 5'-0" FROM THE JOINT AND COVERED WITH THE BINDER COURSE AS THE TEMPORARY RAMP. PRIOR TO PLACING THE SURFACE COURSE, THE BINDER COURSE AND BOND BREAKER WILL BE REMOVED.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
TRANSVERSE PAVEMENT CUT AND MATCH
JUNE 15, 1998
R.I. STANDARD 47.1.1



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

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
REVISIONS
TREE PROTECTION DEVICE
JUNE 15, 1998
R.I. STANDARD 51.1.0

CONSTRUCTION DETAILS - 4

FOR
(A.P. 7 LOT 25, A.P. 8 LOTS 2, 3 & 9
AND A.P. 16 LOT 133)
NEW LONDON TURNPIKE
COVENTRY, RI
PREPARED FOR
ALPHA Holdings, LLC.

NO.	REVISION	BY	DATE

GAROFALO & ASSOCIATES, INC.
CIVIL & STRUCTURAL ENGINEERS/SURVEYORS
LAND PLANNERS/ENVIRONMENTAL SCIENTISTS
85 CORLISS STREET
P.O. BOX 6145
PROVIDENCE, R.I. 02940
TEL. 401-273-6000

JOB NO. 7492.00	DRAWN BY K.J.A.
DWG. NO. 7492-00-PRELIM DETAILS	CHECK BY S.S.H.
SCALE: AS SHOWN	APPROVED S.S.H.
	DATE: AUGUST, 2025

SHEET
C-9.3