MIDDLETOWN MIDDLE HIGH SCHOOL

1113 Aquidneck Ave, Middletown,

School Building Committee:

Edward Brady, Chair
William Nash, Vice-Chair
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William J. Niemeyer, Superintendent of Schools
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Tami Holden
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Donna Sweet
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Shawn Brown
Marc Thayer
Gregory Huet (Alternate)
William R. O'Connell (Alternate)
Christopher Logan (Alternate)
Marc Tanguay (Alternate)

HMFH Architects, Inc. / Architect
DBVW Architects, Inc. / Consulting Architect
Colliers International Group Inc. / OPM

Welch Associates Land Surveyors, Inc. / Land Surveyor
Lahlaf Geotechnical Consulting, Inc. / Geotechnical Engineer
Samiotes Consultants, Inc. / Civil Engineer
Traverse Landscape Architects, LLC / Landscape Architect
RSE Associates, Inc. / Structural Engineer
Stefura Associates Inc. / FFE
Schiavone Designs, LLC / Food Service & Equipment Consultant
GGD Consulting Engineers, Inc. / MEP, FP Engineering
Cavanaugh Tocci Associates / Audio/Visual Consultant
Kalin Associates, Inc. / Specifications Consultant
ELLANA, Inc. / Cost Estimator

MAJOR LAND DEVELOPMENT - MASTER PLAN SUBMISSION

09/11/2024

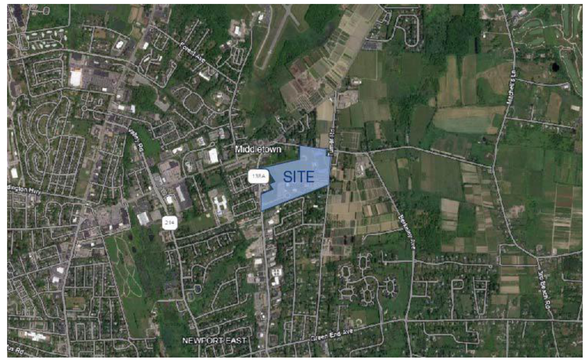
HMFH ARCHITECTS

SURVEY
1 to 11 EXISTING CONDITIONS SURVEY

CIVIL
C 0.1 GENERAL NOTES
C 1.0 SITE PREPARATION & EROSION CONTROL PLAN - KEY PLAN
C 1.1 SITE PREPARATION & EROSION CONTROL PLAN
C 1.2 SITE PREPARATION & EROSION CONTROL PLAN
C 1.3 SITE PREPARATION & EROSION CONTROL PLAN
C 1.4 SITE PREPARATION & EROSION CONTROL PLAN
C 1.5 SITE PREPARATION & EROSION CONTROL PLAN
C 2.0 VEHICULAR LAYOUT PLAN - KEY PLAN
C 2.1 VEHICULAR LAYOUT PLAN
C 2.2 VEHICULAR LAYOUT PLAN
C 2.3 VEHICULAR LAYOUT PLAN
C 2.4 VEHICULAR LAYOUT PLAN
C 2.5 VEHICULAR LAYOUT PLAN
C 3.0 CIVIL GRADING PLAN - KEY PLAN
C 3.1 CIVIL GRADING PLAN
C 3.2 CIVIL GRADING PLAN
C 3.3 CIVIL GRADING PLAN
C 3.4 CIVIL GRADING PLAN
C 3.5 CIVIL GRADING PLAN
C 4.0 CIVIL UTILITIES PLAN - KEY PLAN
C 4.1 CIVIL UTILITIES PLAN
C 4.2 CIVIL UTILITIES PLAN
C 4.3 CIVIL UTILITIES PLAN
C 4.4 CIVIL UTILITIES PLAN
C 4.5 CIVIL UTILITIES PLAN
C 5.0 STORMWATER MANAGEMENT PLAN - KEY PLAN
C 5.1 STORMWATER MANAGEMENT PLAN
C 5.2 STORMWATER MANAGEMENT PLAN
C 5.3 STORMWATER MANAGEMENT PLAN
C 5.4 STORMWATER MANAGEMENT PLAN
C 5.5 STORMWATER MANAGEMENT PLAN
C 6.0 CIVIL DETAILS
C 6.1 CIVIL DETAILS
C 6.2 CIVIL DETAILS
C 6.3 CIVIL DETAILS
C 6.4 CIVIL DETAILS

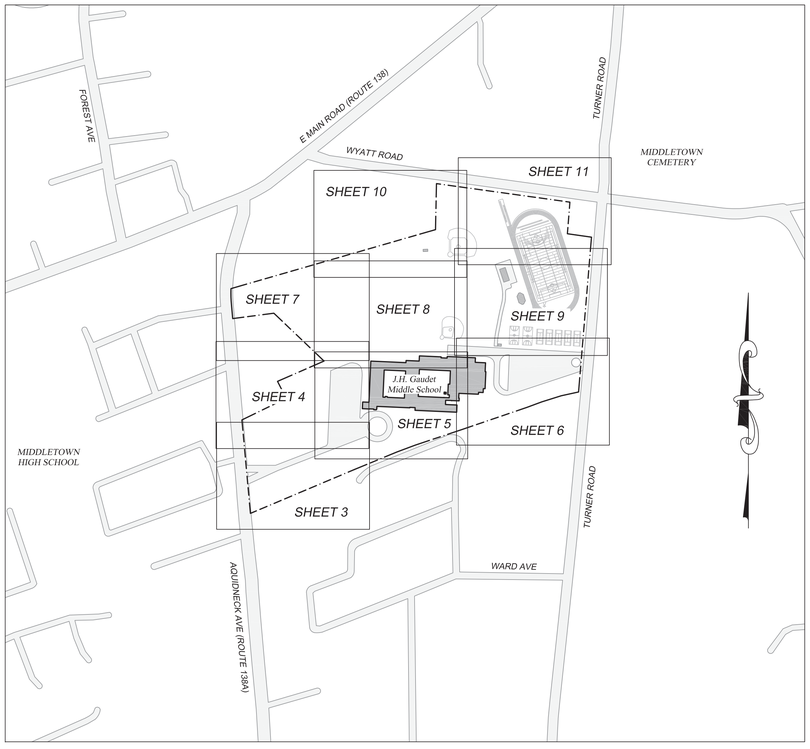
LANDSCAPE
L 0.01 GENERAL NOTES
L 1.0 OVERALL REFERENCE PLAN
L 1.21 HARDSCAPE PLAN
L 1.22 HARDSCAPE PLAN
L 1.22A HARDSCAPE PLAN - ALT #1 OUTDOOR CLASSROOMS
L 1.23 HARDSCAPE PLAN
L 1.23A HARDSCAPE PLAN - ALT #3 SOFTBALL FIELD & INFRASTRUCTURE
L 1.24 HARDSCAPE PLAN
L 1.25 HARDSCAPE PLAN
L 1.41 ENLARGEMENT PLAN
L 1.42 ENLARGEMENT PLAN
L 1.43 HARDSCAPE ENLARGEMENT PLAN
L 2.41 SECTION ELEVATIONS 1
L 2.42 SECTION ELEVATIONS 2
L 3.01 SITE DETAILS
L 3.02 SITE DETAILS
L 3.03 SITE DETAILS
L 3.04 SITE DETAILS
LA 3.01 ATHLETIC DETAILS
LA 3.02 ATHLETIC DETAILS
LA 3.03 ATHLETIC DETAILS
LA 3.04 ATHLETIC DETAILS
LP 1.01 OVERALL PLANTING PLAN
LP 1.21 PLANTING PLAN
LP 1.22 PLANTING PLAN
LP 1.22A PLANTING PLAN ADD ALTERNATE - OUTDOOR CLASSROOMS
LP 1.23 PLANTING PLAN
LP 1.24 PLANTING PLAN
LP 1.25 PLANTING PLAN
LP 1.41 ENLARGEMENT PLANTING PLAN
LP 1.42 ENLARGEMENT PLANTING PLAN
LP 3.01 PLANTING DETAILS

ARCHITECTURAL
A 1.1 FIRST FLOOR PLAN - OVERALL
A 1.2 SECOND FLOOR PLAN - OVERALL
A 1.3 THIRD FLOOR PLAN - OVERALL
A 1.4 FOURTH FLOOR PLAN - OVERALL
A 1.5 ROOF PLAN OVERALL
A 4.0.1 BUILDING ISOMETRIC VIEWS
A 4.1.1 EXTERIOR ELEVATIONS - OVERALL
A 4.1.2 EXTERIOR ELEVATIONS - ENTRIES



JOSEPH H. GAUDET MIDDLE SCHOOL

#1113 AQUIDNECK AVENUE
MIDDLETOWN, RHODE ISLAND



LOCUS MAP
(NOT TO SCALE)

LEGEND

ABND	ABANDONED
AD	AREA DRAIN
APPROX	APPROXIMATE
BCB	BITUMINOUS CONCRETE BERM
BCD	BITUMINOUS CONCRETE DRIVE
BCW	BITUMINOUS CONCRETE WALK
BIT CONC	BITUMINOUS CONCRETE
BLDG	BUILDING
CI	CAST IRON
CLF	CHAIN LINK FENCE
CONST.	CONSTRUCTION
CNC	CONCRETE
CNCR	CONCRETE RAMP
CNCW	CONCRETE WALK
CPD	CONCRETE PAD
C.U.	CONTINUATION UNKNOWN
DI	DUCTILE IRON
DMH	DRAIN MANHOLE
DWL	DASHED WHITE LINE
DYL	DOUBLE YELLOW LINE
EBOX	ELECTRIC UTILITY BOX
ELEC	ELECTRIC
EHH	ELECTRIC HAND HOLE
EM	ELECTRIC METER
EOC	EDGE OF CONCRETE
EP	EDGE OF PAVEMENT
ETW	EDGE OF TRAVELED WAY
FFE	FINISH FLOOR ELEVATION
FES	FLARED END STRUCTURE
GG	GAS GATE
GIS	GEOGRAPHIC INFORMATION SYSTEMS
GM	GAS METER
GPM	GAS PAINT MARK
GR	GRASS
GRAIL	GUARDRAIL
GT	GAS TEST
GV	GATE VALVE
GW	GUY WIRE
ICB	IRRIGATION CONTROL BOX
ICV	IRRIGATION CONTROL VALVE
INACC	INACCESSIBLE
INV, I	INVERT
LOC	LOCATION
MHR	METAL HANDRAIL
MTL	METAL
MW	MONITORING WELL
OHANG	OVERHANG
OHW	OVERHEAD WIRES
OBS	OBSCURED
PA	PLANTED AREA
PERF	PERFORATED
PRF	POST & RAIL FENCE
RBP	REBAR PUNCH
R-NF	RECORD NOT FOUND
SCC	SLOPED CONCRETE CURB
SBL	SINGLE BLUE LINE
SMW	STONE MASONRY WALL
SRL	SOLID RED LINE
SMRW	STONE MASONRY RETAINING WALL
S	SIGN
SL	STOP LINE
STL	STEEL
SMH	SEWER MANHOLE
SWL	SINGLE WHITE LINE
SYL	SINGLE YELLOW LINE
EHH	ELECTRIC HAND HOLE
SRW	STONE RETAINING WALL
TH	THRESHOLD
TRNS	TRANSFORMER
TWS	TACTILE WARNING STRIP
TYP	TYPICAL
UATO	UNABLE TO OPEN
UC	UTILITY COVER
UG	UNDERGROUND
UGC	UNDERGROUND CONDUIT
UGE	UNDERGROUND ELECTRIC
UNK	UNKNOWN
UP	UTILITY POLE
WG	WATER GATE
WM	WATER METER
WRW	WOODEN RETAINING WALL
XX" C	CONIFEROUS TREE
XX" D	DECIDUOUS TREE

OPERATING AUTHORITIES

CABLE/COMMUNICATIONS	COX CABLE
SEWER/DRAIN	TOWN OF MIDDLETOWN
ELECTRIC	RHODE ISLAND ENERGY
GAS	RHODE ISLAND ENERGY
WATER	NEWPORT WATER DEPARTMENT

UTILITY LINE LEGEND

CABLE	C
DRAIN	D
PROP DRAIN	D
ELECTRIC	E
GAS	G
SEWER	S
SEWER(ABND)	S
WATER	W
PROP WATER	W

SYMBOL LEGEND

AD ■ AD●	AREA DRAIN
B Ⓑ ■ CB	CATCH BASIN
CO⊙	CLEANOUT
Ⓓ ● DMH	DRAIN MANHOLE
FH HYD	HYDRANT
FP	FLAG POLE
GG ●	GAS GATE
LP	LIGHT POLE
MH	MANHOLE
Ⓢ SMH	SEWER MANHOLE
Ⓢ	SEWER MANHOLE(ABND)
CTP	TEST PIT(CIVIL)
XTP	TEST PIT(GEOTECHNICAL)
	UTILITY POLE
WG ●	WATER GATE
△	TRAVERSE POINT
TS	TRAFFIC SIGNAL
	UTILITY PAINT MARK
× 140.3	SPOT GRADE(AERIAL MAPPING)
○ WF/#	WETLAND FLAG
⊡ CB(FD)	CONCRETE BOUND(FOUND)
⊡ CBDH(FD)	CONCRETE BOUND DRILL HOLE(FOUND)
⊡ CBLP(FD)	CONCRETE BOUND LEAD PLUG(FOUND)
● DH(FD)	DRILL HOLE(FOUND)
⊡ SBDH(FD)	STONE BOUND DRILL HOLE(FOUND)
● IP(FD)	IRON PIPE(FOUND)
● IR(FD)	IRON ROD(FOUND)
● RB(FD)	REBAR(FOUND)
● DH(FD)	DRILL HOLE(FOUND)

PROJECT BENCHMARK "A":
RAILROAD SPIKE SET 1' ABOVE GRADE IN NORTH FACE OF UTILITY POLE #6
ELEVATION=160.54 (DATUM: NAVD88)

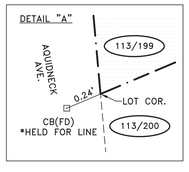
PROJECT BENCHMARK "B":
SQUARE CUT SET ON NORTHWEST CORNER OF CONCRETE FOUNDATION FOR LIGHT TOWER
ELEVATION=165.03 (DATUM: NAVD88)

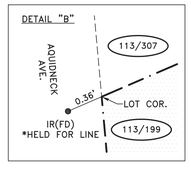
PROJECT BENCHMARK "C":
RAILROAD SPIKE SET 1' ABOVE GRADE IN NORTH FACE OF UTILITY POLE #13
ELEVATION=170.43 (DATUM: NAVD88)

PROJECT BENCHMARK "D":
BOX CUT SET ON CORNER OF LANDING WHERE NEW CONCRETE MEETS OLD RETAINING WALL
ELEVATION=155.39 (DATUM: NAVD88)

TRAVERSE POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	158967.0546	387434.5319	139.88	MN-SET
3	158523.8564	387898.0733	144.54	XCUT-SET
4	158443.6357	388086.0604	-.--	MN-SET
5	158576.8505	388527.3618	-.--	MN-SET
6	158738.6855	388719.3019	164.84	RBP-SET
8	158877.8248	389205.1608	169.03	RBP-SET
9	159063.0022	389244.1913	168.88	XCUT-SET
10	159351.0221	389301.1605	169.27	RBP-SET
11	159892.2108	389313.5070	169.74	MN-SET
12	159891.8633	388832.5257	164.29	PM-SET
13	159964.3454	388524.1768	-.--	MN-SET
18	159283.7784	387364.1261	141.28	PM-SET





PARCEL DATA

ASSESSOR'S PARCEL ID: 113/198/A	ASSESSOR'S PARCEL ID: 113/199
CURRENT OWNER OF RECORD: TOWN OF MIDDLETOWN	CURRENT OWNER OF RECORD: TOWN OF MIDDLETOWN
DEED REFERENCE: BK. 445 PG. 03 (SEE NOTE 7)	DEED REFERENCE: BK. 88 PG. 573 (SEE NOTE 7)
PLAN REFERENCE: PLAN BOOK A, PG 73 "PLAN OF LAND IN MIDDLETOWN, RHODE ISLAND", PREPARED BY GILBERT & MALONEY, DATED JANUARY 15, 1998	PLAN REFERENCE: PLOT PLAN, SHEET 501 "PROJECT NO. R. I. 65-C-1A-15, MIDDLE SCHOOL FOR THE TOWN OF MIDDLETOWN, R.I.", PREPARED BY MACCONNELL AND ASSOCIATES, ARCHITECTS, DATED 1966 (UNRECORDED)
TOTAL AREA: 1,890,051 S.F. OR 43.39 ACRES (+/-)	

NOTES:

1. THE ELEVATIONS SHOWN ON THIS SURVEY ARE BASED ON NAVD88 VERTICAL DATUM AND WERE GENERATED VIA RTK GPS SURVEY MEASUREMENTS MADE USING LEICA GS18 RECEIVERS (AND SUPPLEMENTED WITH ON-THE-GROUND INSTRUMENT SURVEY) IN CONJUNCTION WITH THE SMARTNET NORTH AMERICA RTK NETWORK.

2. THE COORDINATES SHOWN ON THIS SURVEY ARE BASED ON THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM – ZONE 3800 AS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83). THE COORDINATES WERE GENERATED VIA SURVEY MEASUREMENTS MADE USING LEICA GS18 RECEIVERS (AND SUPPLEMENTED WITH ON-THE-GROUND INSTRUMENT SURVEY) IN CONJUNCTION WITH THE SMARTNET NORTH AMERICA RTK NETWORK.

3. SITE IMPROVEMENTS & TOPOGRAPHY SHOWN HEREON ARE BASED ON AERIAL MAPPING (IMAGERY CAPTURED IN DECEMBER 2022) PREPARED BY EASTERN TOPOGRAPHICS USING DIGITAL TERRAIN MODELING (DTM) METHODS WITH KLT ATLAS SOFTWARE AND FIELD EDITED VIA AN ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY WELCH ASSOCIATES LAND SURVEYORS, INC..

4. INVERTS, PIPE SIZES, AND PIPE CLASSIFICATIONS FOR SANITARY SEWER AND STORM DRAIN SYSTEMS, AS SHOWN HEREON, WERE DETERMINED BY INSPECTION AND MEASUREMENTS PERFORMED AT GROUND SURFACE LEVEL (STRUCTURES WERE NOT PHYSICALLY ENTERED). THE RESULTS OF THE INSPECTIONS AND MEASUREMENTS MAY VARY FROM ACTUAL CONDITIONS AS COULD BE DETERMINED BY EXCAVATION OR USE OF CONFINED SPACE ENTRY PERSONNEL AND/OR EQUIPMENT.

5. UNDERGROUND UTILITY LOCATIONS AS SHOWN HEREON ARE TAKEN FROM FIELD OBSERVATIONS & LIMITED AVAILABLE RECORD PLANS AND ARE APPROXIMATE ONLY. CONTACT DIG-SAFE BEFORE PLANNING ANY CONSTRUCTION.

6. TOWN OF MIDDLETOWN WAS UNABLE TO PROVIDE FULL RECORD PLANS SHOWING WATER SERVICES & UNDERGROUND ELECTRIC SERVICES TO LIGHTPOLES, HANDHOLES, & GENERATORS.

7. SUBJECT PROPERTY APPEARS TO BE:
- BENEFITED BY EASEMENT AND AGREEMENT SET FORTH IN BOOK 179 AT PAGE 138 (STORM WATER RETENTION POND AND STORM WATER DRAINAGE SYSTEM ON LOT 113/200).
- SUBJECT TO RIDOT TEMPORARY EASEMENTS 44B & 50B AS SET FORTH ON PLAT 2953 & BOOK 1756 AT PAGE 35 (AQUIDNECK AVE).
- SUBJECT TO RIDOT PERMANENT DRAINAGE EASEMENTS 44D & 50D AS SET FORTH ON PLAT 2953 & IN BOOK 1756 AT PAGE 18 (AQUIDNECK AVE).
- SUBJECT TO NEWPORT ELECTRIC CORPORATION EASEMENT AS SET FORTH IN BOOK 88 AT PAGE 381.
- SUBJECT TO LEASE TO SPRINT SPECTRUM L.P. AS INDICATED IN BOOK 712 AT PAGE 70. SEE ALSO BOOK 674 AT PAGE 174, BOOK 1121 AT PAGE 207, AND BOOK 1132 AT PAGE 83. LEASE AREA & ASSOCIATED EASEMENTS SHOWN PER DRAWING IN DESIGN SET ENTITLED: "SPRINT PCS, SITE NAME: GAUDET SCHOOL FLAGPOLE, 12 AQUIDNECK AVE., MIDDLETOWN, RI 02842, SITE NUMBER: BS43XC907A", PREPARED BY BAY STATE DESIGN. DESIGN SET FOUND IN RECORDS OF MIDDLETOWN SCHOOL DEPARTMENT.

NOTE: AT&T APPEARS TO OWN/OPERATE WIRELESS COMMUNICATIONS STRUCTURES ON SUBJECT PROPERTY. NO LEASE OR EASEMENT DOCUMENTATION WAS FOUND BY/PROVIDED TO WELCH ASSOCIATES LAND SURVEYORS, INC.. SEE DECISION RECORDED IN BOOK 436 AT PAGE 343 FOR REFERENCE.

8. NO LAYOUTS WERE FOUND FOR WYATT OR TURNER ROADS. STREET LINES OF WYATT AND TURNER ROADS (ADJACENT TO SUBJECT PROPERTY) WERE FORMERLY MONUMENTED BY STONE WALLS WHICH HAVE BEEN SUBSEQUENTLY REMOVED. SAID STREET LINES ARE SHOWN HEREON APPROXIMATELY BASED ON RECORD DEEDS/PLANS.

9. CIRCLED LOT NUMBERS ARE TOWN OF MIDDLETOWN ASSESSOR'S LOT IDENTIFICATION NUMBERS.

10. PER TOWN OF MIDDLETOWN ON-LINE ZONING MAP #113, UPDATED FEBRUARY 01, 2023: SUBJECT PROPERTY IS LOCATED WITHIN THE PA (TRAFFIC SENSITIVE PUBLIC) ZONING DISTRICT.

11. SUBJECT PROPERTY IS LOCATED WITHIN:
"OTHER AREAS – ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN)" & "OTHER FLOOD AREAS – ZONE X (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT...)"
AS DELINEATED ON F.E.M.A FLOOD INSURANCE RATE MAPS:
- COMMUNITY NO. 445401, PANEL NO. 0093 J, REVISED SEPTEMBER 04, 2013.
- COMMUNITY NO. 445401, PANEL NO. 0094 H, EFFECTIVE DATE APRIL 05, 2010.

12. WETLAND RESOURCE AREAS WERE DELINEATED BY EPSILON ASSOCIATES, INC. ON MAY 5 AND 7, 2023. BUFFER ZONES SHOWN PER WETLAND DELINEATION MEMORANDUM, PREPARED BY EPSILON, DATED MAY 31, 2023. WETLAND FLAG LOCATIONS WERE SURVEYED BY WELCH ASSOCIATES LAND SURVEYORS, INC. BETWEEN MAY 15 & MAY 17, 2023.

13. AQUIDNECK AVENUE WAS UNDER CONSTRUCTION AT THE TIME OF AERIAL MAPPING/FIELD EDITING. GRADES/FEATURES WITHIN/ADJACENT TO SAID ROADWAY ARE SUBJECT TO CHANGE.

14. TEST PIT LOCATIONS & ASSOCIATED ELEVATIONS WERE SURVEYED BY OTHERS & PROVIDED TO WELCH ASSOCIATES LAND SURVEYORS, INC. IN AUTOCAD FORMAT VIA JANUARY 29, 2024 EMAIL FROM HMFH ARCHITECTS, INC.

15. AS-BUILT LOCATIONS OF NEW 12" WATER MAIN & SERVICES IN AQUIDNECK AVENUE ARE SHOWN PER AUTOCAD FILE ENTITLED: "AA As-Built.dwg", PROVIDED VIA MAY 21, 2024 EMAIL FROM HMFH ARCHITECTS, INC.

16. GAS LINE LOCATION (PER DIGSAFE PAINT MARKS) SHOWN PER AUTOCAD FILE ENTITLED: "GMS_Gas Mark out 2024.dwg", PROVIDED VIA SEPTEMBER 04, 2024 EMAIL FROM HMFH ARCHITECTS, INC.

17. THIS PLAN IS COPYRIGHT PROTECTED. IT IS A VIOLATION OF COPYRIGHT LAWS TO EDIT THIS PLAN AND CONTINUE TO REPRESENT IT AS THE ORIGINAL WORK OF WELCH ASSOCIATES LAND SURVEYORS, INC.. IT IS ALSO A VIOLATION OF COPYRIGHT LAWS FOR ANYONE TO REPRESENT THIS PLAN AS THEIR OWN ORIGINAL WORK, WITH OR WITHOUT EDITING.

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 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 1
DATA ACCUMULATION SURVEY: CLASS 3
LEVELING: CLASS V-3
TOPOGRAPHY: CLASS T-2

THE PURPOSE OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: TO PROVIDE HMFH ARCHITECTS, INC. WITH A SURVEY BASEMAP FOR USE IN CIVIL ENGINEERING DESIGN PURPOSES.

PAMELA M. WELCH
No. 1915
PROFESSIONAL LAND SURVEYOR

BY:
PAMELA M. WELCH REGISTRATION # 1915
COA #LS.000A295

SHEET 1 OF 11

REVISION (SEPTEMBER 06, 2024): ADDED GAS LINE LOCATION (PER DIGSAFE MARKINGS)
REVISION (JUNE 17, 2024): ADDED WATER MAIN AS-BUILT DATA IN AQUIDNECK AVE

WELCH
Associates Land Surveyors, Inc.
218 North Main Street
West Bridgewater, MA 02379
(508) 580-4696
WWW.WELCHINC.COM

EXISTING CONDITIONS SURVEY
JOSEPH H. GAUDET
MIDDLE SCHOOL
1113 AQUIDNECK AVENUE
MIDDLETOWN, RHODE ISLAND
Prepared for:
HMFH ARCHITECTS, INC.

ACAD FILE: M230401ECS | CAD: BTC | DATE: JANUARY 29, 2024

WYATT ROAD

TURNER ROAD

PARK DRIVE

AQUIDNECK DRIVE

AQUIDNECK AVE (ROUTE 138A)

REARDON DRIVE

COLUMBIA ROAD

ASSESSOR'S LOT LINE

ASSESSOR'S LOT LINE

113/198A

113/199

J.H. Gaudet Middle School

RIDOT PERM. DRAINAGE EASEMENT 50D BK. 1756 PG. 18

RIDOT TEMP. EASEMENT 50B BK. 1756 PG. 35

RIDOT PERM. DRAINAGE EASEMENT 44D BK. 1756 PG. 18

RIDOT TEMP. EASEMENT 44B BK. 1756 PG. 35

AT&T CELL TOWER (NO LEASE OR EASEMENT DOCUMENTATION FOUND

SPRINT LEASE AREA BK. 712 PG. 70

25' WIDE SPRINT ACCESS EASEMENT BK. 712 PG. 70

20' WIDE SPRINT UTILITY EASEMENT BK. 712 PG. 70

NEWPORT ELECTRIC CORP TRANSMISSION EASEMENT BK. 88 PG. 381 PL. BK. 10 PG 10 & 11

SHEET 2 OF 11

REVISION (SEPTEMBER 06, 2024): ADDED GAS LINE LOCATION (PER DIGSAFE MARKINGS)

REVISION (JUNE 17, 2024): ADDED WATER MAIN AS-BUILT DATA IN AQUIDNECK AVE

WELCH
Associates Land Surveyors, Inc.
218 North Main Street
West Bridgewater, MA 02379
(508) 580-4696
WWW.WELCHINC.COM

60 0 60 120

SCALE: 1"=60'

EXISTING CONDITIONS SURVEY

JOSEPH H. GAUDET
MIDDLE SCHOOL
1113 AQUIDNECK AVENUE
MIDDLETOWN, RHODE ISLAND
Prepared for:
HMFH ARCHITECTS, INC.

ACAD FILE: M230401ECS | CAD: BTC | DATE: JANUARY 29, 2024

RHODE ISLAND STATE PLANE COORDINATE SYSTEM, NAD 83, ZONE 3800, NAD 83

SEE SHEET 4

REARDON DR

AQUIDNECK AVE
(RIDOT PLAT NO. 2953)
(50' WIDE - UNDER CONSTRUCTION)

APPROX NEW SMH (PAVED OVER-AREA UNDER CONSTRUCTION)

RIDOT TEMP. EASEMENT 44B BK. 1756 PG. 35

RIDOT PERM. DRAINAGE EASEMENT 44D BK. 1756 PG. 18

NEW 12" WATER MAIN TIE-INTO PRE-EX(R)

OTHER AREAS ZONE X (SEE NOTE 11)

OTHER FLOOD AREAS ZONE X (SEE NOTE 11)

100' WETLAND JURISDICTIONAL AREA

75' BUFFER ZONE

25' BUFFER ZONE

WETLAND

OBSCURED

24" RCP INLET I=130.84 (HALF FULL OF WATER)

CONCRETE HEADWALL

APPROX GAS LINE PER RECORD PLANS

APPROX GAS LINE PER DIGSAFE MARKINGS

8" WATER MAIN(R)

8" TRANSITE IN MH(R)

ELECTRIC METER POST

"AQUA SHIELD" ENCLOSURE MODEL NO. BFP10-C

SEE NOTE 6 (TYP)

R=135.05 I=128.2 (CATCH BASIN APPEARS TO BE BUILT ON TOP OF 24" RCP)

8" HDPE INV=142.46

CTP 146.2

R=144.24 I(A)=141.5 I(B)=141.0

R=145.16 I=142.2

R=145.31 I(A)=141.4 I(B)=141.2 I(C)=141.1

R=138.33 CT=133.2

3 XCUT(SET)

4 MN(SET)

IR(FD) *HELD*

#1100 1 STORY BRICK

NEW SMH R=(NOT SET) CT=127.3 I(A)=128.3

NEW SMH R=(NOT SET) CT=127.0 I(A)=128.9 I(B)=128.0

N05°09'19"W 492.14'

S67°04'04"W 299.15'

S67°35'37"W 79.49'

S67°05'36"W 209.42'

NEWPORT ELECTRIC CORP TRANSMISSION EASEMENT BK. 88 PG. 381 PL. BK. 10 PG 10 & 11

UTILITY EASEMENT PL BK. 15 PG. 47

STORM WATER DETENTION EASEMENT BK. 179 PG. 138

STORM WATER DETENTION EASEMENT PL BK. 15 PG. 47

INTERMITTENT STREAM THIS AREA (NOT FLAGGED)

PROJECTED DRAIN LINE BASED ON FIELD OBSERVATIONS (POSSIBLE OUTFALL LOCATION-NOT FOUND)

DRAIN LINES/OUTFALL(R) (NO HEADWALL/OUTFALLS FOUND)

FORMER SUB-STATION AREA

113/200
N/F
NARRAGANSETT ELECTRIC COMPANY
BK. 546 PG. 309
BK. 51 PG. 576

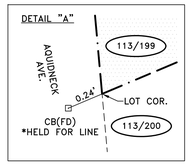
113/331
N/F
1077 AQUIDNECK AVENUE CONDOMINIUM
BK. 1046 PG. 205

113/332
N/F
MARC S. & LAUREL J. THAYER
BK. 718 PG. 341

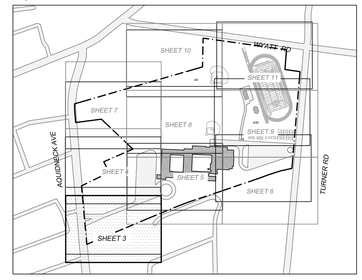
AQUIDNECK ROAD UNDER CONSTRUCTION (UNLESS LABELED "NEW", UTILITIES SHOWN PER AERIAL MAPPING & RECORD PLANS)

SEE SHEET 5

DETAIL "A"



KEY MAP
(NO SCALE)



SHEET 3 OF 11

REVISION (SEPTEMBER 06, 2024): ADDED GAS LINE LOCATION (PER DIGSAFE MARKINGS)

REVISION (JUNE 17, 2024): ADDED WATER MAIN AS-BUILT DATA IN AQUIDNECK AVE

WELCH
Associates Land Surveyors, Inc.
218 North Main Street
West Bridgewater, MA 02379
(508) 580-4696
WWW.WELCHINC.COM

20 0 20 40
SCALE: 1"=20'

EXISTING CONDITIONS SURVEY

JOSEPH H. GAUDET MIDDLE SCHOOL
1113 AQUIDNECK AVENUE
MIDDLETOWN, RHODE ISLAND
Prepared for:
HMFH ARCHITECTS, INC.

ACAD FILE: M230401ECS | CAD: BTC | DATE: JANUARY 29, 2024

RHODE ISLAND STATE PLANE COORDINATE SYSTEM, ZONE 3800, NAD 83

SEE SHEET 7

SEE SHEET 8

SEE SHEET 5

SEE SHEET 3

AQUIDNECK DR

AQUIDNECK AVE
(RIDOT PLAT NO. 2953)
(50' WIDE – UNDER CONSTRUCTION)

113/312
N/F
GDT REALTY, LLC
BK. 1733 PG. 307

113/313
N/F
AQUIDNECK ASSOCIATES PARTNERSHIP
BK. 158 PG. 153

113/314
N/F
ALF PROPERTIES, LLC
BK. 569 PG. 69

113/307
N/F
1139 AQUIDNECK AVENUE, LLC
BK. 1526 PG. 288

#1139
1 STORY

KEY MAP
(NO SCALE)

WYATT RD
AQUIDNECK AVE
TURNER RD
SHEET 3
SHEET 4
SHEET 5
SHEET 6
SHEET 7
SHEET 8
SHEET 9
SHEET 10
SHEET 11

RB(FD)

MN(SET)

IR(FD) *HELD*

IR(FD) *SEE DETAIL B

N66°38'56"E 163.01'

N66°38'56"E 316.00'

N05°09'19"W 116.00'

NEW 12" PVC WATER MAIN(P)

NEW 8" PVC SEWER(P)

12" TRANSITE WATER MAIN(P) (POSSIBLY ABND)

SEWER(ABND-P)

NEW HYD

EX. WG

NEW WG

(3)NEW WG

NEW SMH (PAVED OVER-AREA UNDER CONSTRUCTION)

AQUIDNECK ROAD UNDER CONSTRUCTION (UNLESS LABELED "NEW", UTILITIES SHOWN PER AERIAL MAPPING & RECORD PLANS)

APPROX NEW SMH (PAVED OVER-AREA UNDER CONSTRUCTION)

(2)GENERATORS ON CPD

(3)WOODEN POSTS

(2)WOODEN POSTS

MH

RIDOT TEMP. EASEMENT 44B BK. 1756 PG. 35

RIDOT PERM. DRAINAGE EASEMENT 44D BK. 1756 PG. 18

24" RCP

24" RCP INLET I=130.88 (HALF FULL OF WATER)

CONCRETE HEADWALL

WETLAND

OBSCURED

INTERMITTENT STREAM THIS AREA (NOT FLAGGED)

OTHER AREAS ZONE X (SEE NOTE 11)

OTHER FLOOD AREAS ZONE X (SEE NOTE 11)

100' WETLAND JURISDICTIONAL AREA

75' BUFFER ZONE

WF/B-100 WF/B-101 WF/B-102 WF/B-103 WF/B-104 WF/B-105 WF/B-106 WF/B-107 WF/B-108 WF/B-109 WF/B-110 WF/B-111 WF/B-112 WF/B-113 WF/B-114 WF/B-115 WF/B-116 WF/B-117 WF/B-118 WF/B-119 WF/B-120 WF/B-121 WF/B-122 WF/B-123 WF/B-124 WF/B-125 WF/B-126 WF/B-128

24" HDPE OUTFALL I=146.9

12" HDPE FLARED END OUTFALL I=147.1

12" HDPE OUTFALL I=147.6

RIPRAP

AD R=148.92 (A)I=147.3 (B)I=147.3 (C)I=147.2

AD R=149.39 I=147.8

GRASS

BIT CONC

CONCRETE

CNCR

CNCW

SWL(TYP)

DIH

SIGN

CROSSWALK

HANDICAP PARKING SIGN ON CONC BASE(TYP)

PARKING SPACE(TYP)

OPENING IN CURB

CTP 148.0

CTP 147.4

CTP 146.2

8" HDPE INV=142.46

8" WATER MAIN(P)

APPROX GAS LINE PER DIGSAFE PAINT MARKS

APPROX GAS LINE PER RECORD PLANS

DETAIL "B"

AQUIDNECK AVE.

113/307

0.36'

LOT COR.

IR(FD) *HELD FOR LINE

113/199

REVISION (SEPTEMBER 06, 2024): ADDED GAS LINE LOCATION (PER DIGSAFE MARKINGS)

REVISION (JUNE 17, 2024): ADDED WATER MAIN AS-BUILT DATA IN AQUIDNECK AVE

SHEET 4 OF 11

WELCH
Associates Land Surveyors, Inc.
218 North Main Street
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WWW.WELCHINC.COM

SCALE: 1"=20'

EXISTING CONDITIONS SURVEY

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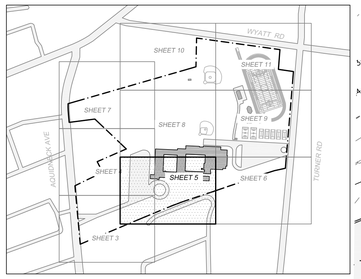
1113 AQUIDNECK AVENUE
MIDDLETOWN, RHODE ISLAND
Prepared for:
HMFH ARCHITECTS, INC.

ACAD FILE: M230401ECS | CAD: BTC | DATE: JANUARY 29, 2024



KEY MAP
(NO SCALE)

SEE SHEET 8

SEE SHEET 6

RHODE ISLAND STATE PLANE COORDINATE SYSTEM ZONE 3800, NAD 83

113/199

J.H. GAUDET MIDDLE SCHOOL

#1113
2 STORY BRICK

75' BUFFER ZONE

100' WETLAND JURISDICTIONAL AREA

COURTYARD AREA

NEWPORT ELECTRIC CORP TRANSMISSION EASEMENT BK. 88 PG. 381 PL. BK. 10 PG 10 & 11

COLUMBIA RD

S71°34'52"W 306.44'

S67°37'34"W 295.44'

PBM "A"

CTP 148.0

CTP 147.4

CTP 146.2

XCUT(SET)

MN(SET)

CBDH(FD)

IR(FD) *HELD*

REVISION (SEPTEMBER 06, 2024): ADDED GAS LINE LOCATION (PER DIGSAFE MARKINGS)

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SHEET 5 OF 11

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SCALE: 1"=20'

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SEE SHEET 9

CTP 160.3

POSSIBLE LOCATION 1 1/4" CAPPED 100' FROM BLDG(R)

12" HDPE

8' CLF

GRASS

SLIDING GATE

1-STORY WOOD BLDG

UC

CPD

WATER SHUTOFF

DHH

GATE

12" RCP

PAINTED CONCRETE(TYP)

BASKET(BALL HOOP(TYP)

10' CLF ON CNC WALL

CLF GATE

WOOD STEP

PAINTED CONCRETE(TYP)

9 XCUT(SET)

R=158.29
I(A)=163.2
I(B)=165.4
I(C)=163.2

R=168.39
I=166.9

WOOD FENCE

12" PVC

8" PVC

BIT CONC

PARKING SPACE(TYP)

SWL(TYP)

SYL(TYP)

CNCW

CNCR W/TWS

25' WIDE SPRINT ACCESS EASEMENT BK. 712 PG. 70

NO PARKING FIRE LANE

POSSIBLE CONNECTION BETWEEN STRUCTURES (NO RECORD PLANS)

ELEVATED CROSSWALK(TYP)

RECORD WATER MAINS (ACTUAL ROUTES/LOCATIONS UNK)

4" WATER SERVICE(R)

4" WATER SERVICE(UNK)

8" WATER MAIN(R)

12" DI WATER MAIN(R)

IR(FD)

UP #31 W/TRNS & UGC

SIGN IN PA

6" WIDE WRW

PAINT STRIPE(TYP)

SPEED TABLE

OLD POST(TYP)

STONE WALL

PBM "C"

RBP(SET)

UP #13

UP #12

UP #11

UP #30

UP #6 W/UGC

R=169.45
CT=165.8

189.34TCFL
189.08BC

189.12TCFL
188.86BC

189.32TCFL
189.06BC

189.27TCFL
189.01BC

189.22TCFL
188.96BC

189.17TCFL
188.91BC

189.12TCFL
188.86BC

189.07TCFL
188.81BC

189.02TCFL
188.76BC

188.97TCFL
188.71BC

188.92TCFL
188.66BC

188.87TCFL
188.61BC

188.82TCFL
188.56BC

188.77TCFL
188.51BC

188.72TCFL
188.46BC

188.67TCFL
188.41BC

188.62TCFL
188.36BC

188.57TCFL
188.31BC

188.52TCFL
188.26BC

188.47TCFL
188.21BC

188.42TCFL
188.16BC

188.37TCFL
188.11BC

AQUIDNECK AVE
(RIDOT PLAT NO. 2953)
(UNDER CONSTRUCTION)

PARK DR

113/194
N/F
AQUIDNECK ARTISTS STUDIO, LLC
BK. 1649 PG. 35

113/196
N/F
AQUIDNECK ARTISTS STUDIO, LLC
BK. 1649 PG. 35

113/190
N/F
EM MIDDLETOWN DEV, LLC
BK. 1614 PG. 205
BK. 1614 PG. 208

113/311
N/F
1181 REALTY ASSOCIATES, LLC
BK. 844 PG. 278

113/312
N/F
GDT REALTY, LLC
BK. 1733 PG. 307

#1181
1 STORY BRICK

IR(FD)
IR(FD) *HELD*
RB(FD)

N74°18'26"E 138.44'
N73°34'41"E 148.75'
N73°31'34"E 174.26'
N74°11'37"E 196.85'
S82°30'12"W 216.63'
N46°18'51"W 362.54'
N05°09'16"W 70.29'

R=738.14'
L=85.89'
Δ=6°40'00"

RIDOT PERM. DRAINAGE EASEMENT 50D
BK. 1756 PG. 18

RIDOT TEMP. EASEMENT 50B
BK. 1756 PG. 35

AQUIDNECK ROAD UNDER CONSTRUCTION (UNLESS LABELED "NEW", UTILITIES SHOWN PER AERIAL MAPPING & RECORD PLANS)

APPROX NEW SMH (PAVED OVER-AREA UNDER CONSTRUCTION)

NEW 18" CMP CULVERT FES INV=137.1

NEW 18" CULVERT 140.18

NEW 18" RCP CULVERT FES INV=136.9

NEW CB R=140.99 (A)=136.8 (B)=136.3

NEW 8" PVC SEWER(R)

NEW 12" PVC WATER MAIN(R)

8" PVC WATER SERVICE(R)

NEW WATER SERVICE (CAPPED FOR FUTURE CONNECTION)

230V (BLOWOFF ASSEMBLIES)

NEW HYD

12" FLARED END

18" RCP

PILE

MTL GATE

DIRT

BIT CONC

GRAVEL ROAD

WETLAND

OBSCURED

75' BUFFER ZONE

100' WETLAND JURISDICTIONAL AREA

RIPRAP

4" PERF (RISER)

4" PERF STAND PIPE

8" PVC I=143.93

8" PVC I=144.17

8" PVC I=142.92

4" PVC OUTFALL INV=141.46

SAND FILTER(R)

POSS. DRAIN STRUCTURE(R-NF)

FIELD DRAINAGE (R)

6" INLET(R) TYP.

2" WATER END(R)

PAINTED LINE(TYP)

GRASS

GRASS PLAYING FIELD

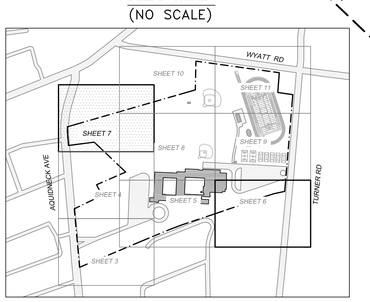
CONC

(C.U.)

SEE SHEET 4

SEE SHEET 8

KEY MAP
(NO SCALE)



RHODE ISLAND STATE PLANE COORDINATE SYSTEM, ZONE 3800, NAD 83

SHEET 7 OF 11

REVISION (SEPTEMBER 06, 2024): ADDED GAS LINE LOCATION (PER DIGSAFE MARKINGS)
REVISION (JUNE 17, 2024): ADDED WATER MAIN AS-BUILT DATA IN AQUIDNECK AVE

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EXISTING CONDITIONS SURVEY

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MIDDLETOWN, RHODE ISLAND
Prepared for:
HMFH ARCHITECTS, INC.

20 0 20 40
SCALE: 1"=20'

ACAD FILE: M230401ECS | CAD: BTC | DATE: JANUARY 29, 2024

SEE SHEET 10

SEE SHEET 7

SEE SHEET 9

SEE SHEET 5

113/198A

IR(FD) *HELD*

IR(FD) *HELD*

WETLAND

75' BUFFER ZONE

100' WETLAND JURISDICTIONAL AREA

RIPRAP

GRAVEL ROAD

8" PVC I=143.93

4" PERF RISER(R)

4" PERF STAND PIPE

8" PVC I=144.17

8" PVC I=142.92

SAND FILTER(R)

POSS. DRAIN STRUCTURE(R-NF)

OBSCURED

FIELD DRAINAGE (R)

2" WATER END(R)

2" WATER(R)

FIELD DRAINAGE(R)

6" FIELD DRAINAGE(R)

PAINTED LINE(TYP)

GRASS PLAYING FIELD

GRASS PLAYING FIELD (NO STRIPING)

6" INLET(R) TYP.

AREA DRAIN(R)

AREA DRAINS (R)

AREA DRAIN(TYP)

24" NYOPLAST OUTFALL (R-NF)

24" HDPE OUTFALL I=146.9

12" HDPE FLARED END OUTFALL I=147.6

12" HDPE OUTFALL I=147.6

8" HDPE

8" PVC(C.U.)

24" HDPE

8" RCP

12" HDPE

4" HDPE

3" UGC

APPROX. GAS LINE PER DIGSAFE PAINT MARKS

APPROX. GAS LINE PER DIGSAFE MARKS

2" WATER TO NEW RESTROOMS(R) (ROUTE UNKNOWN)

SEE NOTE 6 (TYP)

1 STORY WOOD

WOODEN STEP

STONE WALL

SCATTERED STONES ON MOUND(STONE WALL REMNANTS)

FORMER LOCATION UNDERGROUND STORAGE TANK(REMOVED(R))

POSSIBLE LOCATION 1 1/4" CAPPED 100' FROM BLDG(R)

PBM "D"

CTP 154.5

CTP 155.1

XTP 155.2

XTP 155.1

XTP 155.3

MW/XTP 155.1

XTP 160.0

MW 159.6

XTP 161.2

XTP 160.6

BUILDING OVERHANG (ROOF LINE FROM AERIAL MAPPING)

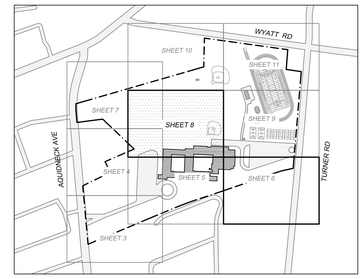
TH=162.24 (MTL)

TH=162.07 (MTL)

TH=156.54 (MTL)

TH=150.78 (MTL)

RHODE ISLAND STATE PLANE COORDINATE SYSTEM, ZONE 3800, NAD 83



KEY MAP
(NO SCALE)

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REVISION (JUNE 17, 2024): ADDED WATER MAIN AS-BUILT DATA IN AQUIDNECK AVE

SHEET 8 OF 11

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WWW.WELCHINC.COM

20 0 20 40

SCALE: 1"=20'

EXISTING CONDITIONS SURVEY

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ACAD FILE: M230401ECS | CAD: BTC | DATE: JANUARY 29, 2024

SEE SHEET 11

SEE SHEET 8

SEE SHEET 6

TURNER RD
(NO LAYOUT FD.)
(VARIABLE WIDTH)

S04°20'06"W 809.04'

PBM "B"

RBP(SET)

CTP 161.0

CTP 161.2

CTP 160.3

AT&T CELL TOWER (NO DOUMENTATION FOUND – SEE NOTE 7)

1 STORY CONC BLOCK "CONCESSIONS/ RESTROOMS"

1 STORY CNC BLOCK BLDG

1 STORY MTL UTILITY BLDG

1-STORY WOOD BLDG

25' WIDE SPRINT ACCESS EASEMENT BK. 712 PG. 70

SALVE

PLAYGROUND (WOOD CHIPS)

RUBBER COATED TRACK

TURF FIELD

PAINTED CONCRETE(TYP)

RHODE ISLAND STATE PLANE COORDINATE SYSTEM, ZONE 3800, NAD 83

KEY MAP
(NO SCALE)

WYATT RD
AQUIDNECK AVE
TURNER RD
SHEET 7
SHEET 8
SHEET 9
SHEET 10
SHEET 11
SHEET 1
SHEET 5
SHEET 6
SHEET 3

SHEET 9 OF 11

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20 0 20 40
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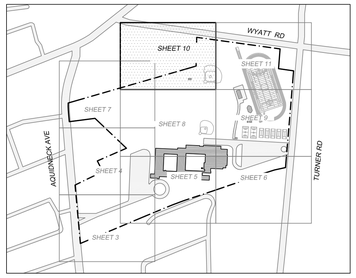

KEY MAP
(NO SCALE)

RHODE ISLAND STATE PLANE
COORDINATE SYSTEM,
ZONE 3800, NAD 83

WYATT ROAD
(NO LAYOUT FD.)
(VARIABLE WIDTH)

IR(FD)
DH(FD)

IR(FD)

113/808
N/F
LISA A. RICHARDS
BK. 1780 PG. 275

113/189
N/F
JUDITH A. KELLEY
BK. 96 PG. 385

113/807
N/F
SEAN S. &
GLENNA H. JOHNSON
BK. 1058 PG. 277

#71
2 STORY

DH(FD)
HELD

N74°11'37"E 196.85'

N73°56'24"E 453.82'

N01°14'17"E 240.30'

IR(FD)
HELD

IR(FD)
HELD

WETLAND

75' BUFFER ZONE

WETLAND JURISDICTIONAL AREA

GRAVEL ROAD

RIPRAP

4" PERF (RISER)

8" PVC
I=143.93

FIELD DRAINAGE (R)

FIELD DRAINAGE(R)

2" WATER END(R)

2" WATER(R)

PAINTED LINE(TYP)

2" WATER TO NEW RESTROOMS(R) (ROUTE UNKNOWN)

SEE NOTE 6 (TYP)

1 STORY
BRICK
RESTROOMS

TH=159.38
(MTL)

(4)3" UGC
&1" UGC

STONE STRIP

CO ON CPO

GRAVEL

1 STORY
WOOD

(3)3" UGC
&1" UGC

WOODEN STEP

CNC BLOCK DUGOUT

4' CLF ALONG DUGOUT

CNC BLOCK DUGOUT

4' CLF ALONG

1" UGC

XTP
155.2

SCOREBOARD

2" UGC

SMH/CLEANOUT
(SET IN CONC)
TOP PVC CAP=61.64
I=(INVACC/UATD)

6" PVCP

WOODEN SHED

OBSCURED

DIRT PILE

DIRT/GRASS

BULLPEN

DIRT

GRASS

STONE WALL

8' CLF W/BARBED WIRE

POSSIBLE WATER MAIN (PER TOWN GIS)

UP #6
12" TRANSITE WATER MAIN(R)
(APPROX. LOC.)

UP #7
W/LIGHT

UP #8
W/TRNS

12" PVC

12" RCP

15" RCP

8" CI

6" PVC

8" CLF

10' CLF GATE

SEE SHEET 8

SEE SHEET 11

SHEET 10 OF 11

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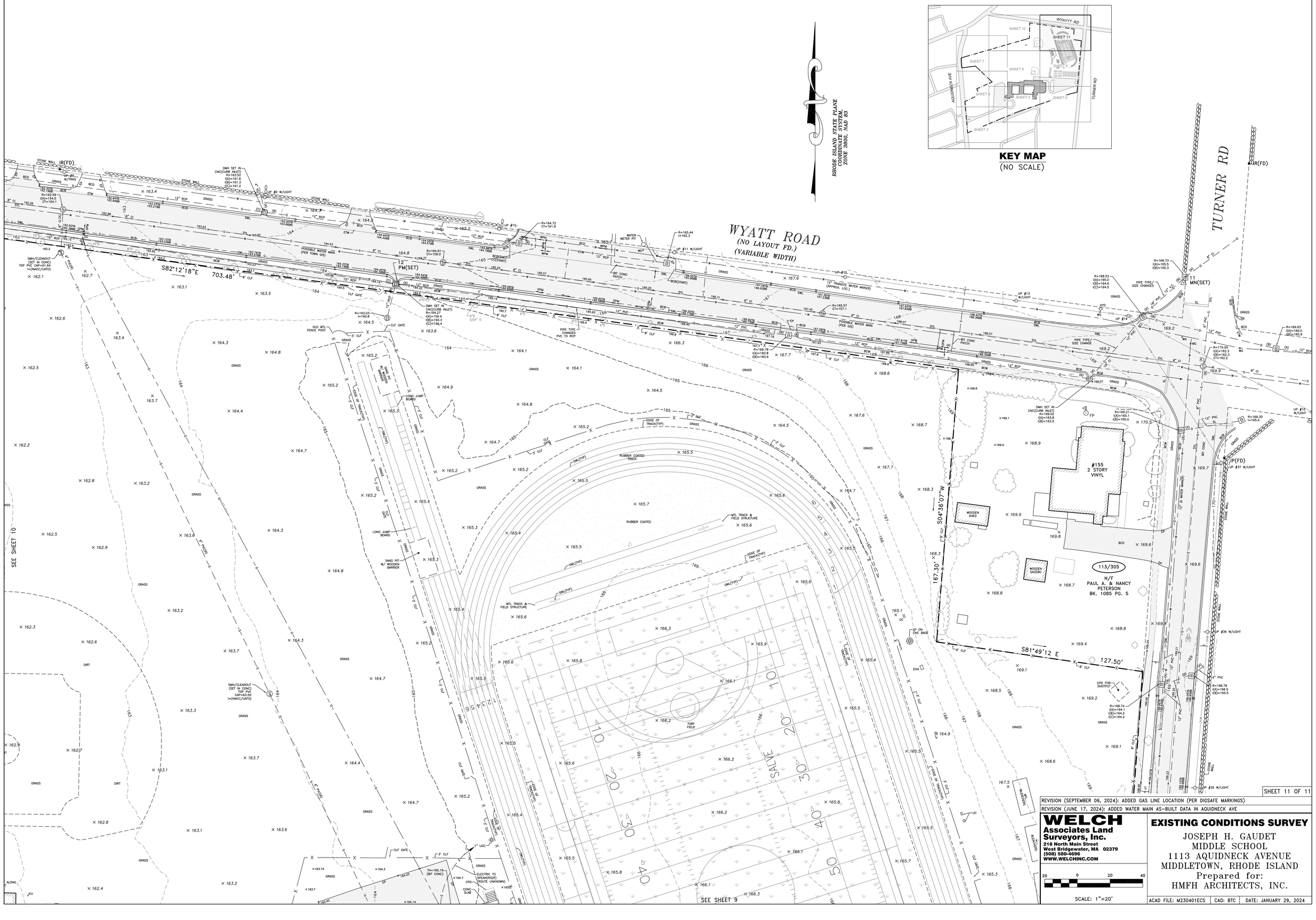

SHEET 11 OF 11

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SCALE: 1"=20'

EXISTING CONDITIONS SURVEY

JOSEPH H. GAUDET
MIDDLE SCHOOL
1113 AQUIDNECK AVENUE
MIDDLETOWN, RHODE ISLAND
Prepared for:
HMFH ARCHITECTS, INC.

ACAD FILE: M230401ECS | CAD: BTC | DATE: JANUARY 29, 2024

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY AND WAYS, MEANS, AND METHODS OF CONSTRUCTION.
2. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES AND OBTAIN ALL NECESSARY LICENSES AND PERMITS.
3. THE CONTRACTOR SHALL PRESERVE BENCHMARKS, REFERENCE POINTS AND STAKES. RESETTING ANY BENCHMARK, REFERENCE POINTS OR STAKES IS AT CONTRACTORS EXPENSE.
4. IF THE CONTRACTOR FINDS ANY DISCREPANCIES BETWEEN THE PLANS AND THE PHYSICAL CONDITIONS OR IN THE LAYOUT AS GIVEN BY THE ENGINEER, THEY SHALL IMMEDIATELY INFORM THE ENGINEER, IN WRITING. ANY WORK DONE AFTER SUCH A DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.
5. THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRESENCE AND LOCATIONS OF ALL UTILITIES WITHIN THE LIMIT OF WORK MUST BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND CONTACTING THE CONTROLLING AUTHORITIES AND/OR UTILITY COMPANIES NEGATIVE TO THE LOCATIONS AND ELEVATIONS OF THEIR LINES. THE CONTRACTOR SHALL KEEP A RECORD OF ANY DISCREPANCIES OR CHANGES IN THE LOCATIONS OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY DAMAGE RESULTING FROM THE FAILURE OF THE CONTRACTOR TO MAKE THESE DETERMINATIONS AND CONTACTS SHALL BE BORNE BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL, THROUGHOUT CONSTRUCTION, TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS OUTSIDE OF THE LIMIT OF WORK AS DEFINED ON THE DRAWINGS AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AS DIRECTED BY THE ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE ANY SUCH OR OTHER DAMAGE SO CAUSED.
7. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND CONSTRUCTION DOCUMENTS TO DEVELOP A THOROUGH UNDERSTANDING OF THE PROJECT, INCLUDING AY SPECIAL CONDITIONS AND CONSTRAINTS.
8. THE CONTRACTOR SHALL CONDUCT ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS.
9. GENERAL GRADING

   THE CONTRACTOR SHALL:

   A. MAINTAIN PROPER SITE DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION, AND PREVENT STORMWATER FROM RUNNING INTO, OR STANDING, IN EXCAVATED AREAS.
   B. BACKFILL THE CURB AFTER ITS CONSTRUCTION AND PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL.
   C. UNSUITABLE MATERIAL SHALL BE CONSIDERED AS MATERIAL WHICH IS NOT SUITABLE FOR THE SUPPORT OF PAVEMENT AND BUILDING CONSTRUCTION, AND IS ENCOUNTERED BELOW TOPSOIL DEPTHS, AND TO THE PROPOSED SUB-GRADE ELEVATION. THE DECISION TO REMOVE SAID MATERIAL, AND TO WHAT EXTENT, SHALL BE MADE BY A SOILS ENGINEER WITH THE CONCURRENCE OF THE OWNER.
10. GENERAL PAVING

    THE CONTRACTOR SHALL:

    A. REPAIR ANY BASE COURSE AND BINDER COURSE FAILURES PRIOR TO THE INSTALLATION OF THE FINAL BITUMINOUS CONCRETE SURFACE COURSE.
    B. SWEEP CLEAN THE BINDER COURSE PRIOR TO THE INSTALLATION OF THE FINAL BITUMINOUS CONCRETE SURFACE COURSE. EXCESSIVE CLEANING OF THE BINDER COURSE THAT MAY RESULT IN DAMAGE TO THE BINDER COURSE, THE PAVING CONTRACTOR, SHALL BE PAID FOR ON A TIME AND MATERIAL BASIS BY PRIOR AGREEMENT WITH THE GENERAL CONTRACTOR.
11. INCIDENTAL TO CONSTRUCTION
    A. MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION (WATER OVER SEWER) BETWEEN SEWER AND WATER LINES. WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION AND 18 INCHES OF VERTICAL SEPARATION BETWEEN A PROPOSED OR EXISTING SEWER LINE TO REMAIN AND A PROPOSED OR EXISTING WATER LINE TO REMAIN BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10-FEET ON EITHER SIDE OF THE CROSSING, ONE (1) FULL LENGTH OF WATER PIPE SHALL BE CENTERED OVER THE SEWER AT THE CROSSING.
    B. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING GRADES AND COORDINATING WITH SUB-CONTRACTORS, UNDERGROUND UTILITY STRUCTURE FRAMES SUCH AS MANHOLES, CATCH BASINS, AND INLETS. ALL CONFLICTS SHALL BE REPORTED TO THE ENGINEER.
    C. CONTRACTOR SHALL POTHOLE AROUND THE EXISTING UTILITIES TO DETERMINE THEIR EXACT LOCATIONS AND ELEVATIONS PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY IMPROVEMENTS.
    D. CONTRACTOR SHALL COVER OPEN TRENCHES WHEN NOT ACTIVELY WORKING IN THEM. AT ALL TIMES STORMWATER SHALL BE REDIRECTED FROM OPEN TRENCHES AND PROVIDE DEWATERING MEASURES.
    E. CONTRACTOR SHALL ADHERE TO STATE AND LOCAL DEWATERING REGULATIONS. DEWATER RECOMMENDATIONS ARE IN THE GEOTECHNICAL REPORT.
    F. CONTRACTOR SHALL DISPOSE OF EXPORT MATERIAL IN A METHOD APPROVED BY LOCAL AND STATE JURISDICTIONAL BODIES.
12. TESTING AND FINAL ACCEPTANCE
    A. SPECIFIC COMPACTION TESTING SHALL BE SUBMITTED TO THE ENGINEER TO REVIEW.
    B. APPROVAL OF THE PAVEMENT SUB-GRADE BY THE OWNER'S GEOTECHNICAL ENGINEER SHALL BE REQUIRED PRIOR TO THE PLACEMENT OF THE PAVEMENT MATERIAL.
    C. SANITARY SEWER MAINS AND SERVICES SHALL BE TESTED FOR LEAKAGE AND DEFLECTION IN ACCORDANCE WITH THE CITY OR MUNICIPAL SANITARY SEWER CONSTRUCTION SPECIFICATIONS AND PROCEDURES (LATEST EDITION). SEE DOCUMENT ALSO FOR ALLOWABLE TESTING LIMITS. SERVICE STUBS MUST BE PROPERLY PLUGGED AND SEALED AND CLEARLY LOCATED AT THEIR TERMINATION POINTS PRIOR TO TESTING. ALL SEWER MAINS, SERVICE LINES, AND MANHOLES SHALL BE CLEAN AND FREE OF DEBRIS PRIOR TO THEIR FINAL ACCEPTANCE.
    D. WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED AGAINST ENTRANCE OF HYDROCARBONS THROUGH DIFFUSION AND THROUGH ANY MATERIAL USED IN CONSTRUCTION OF THE LINE.
13. MANHOLE STRUCTURES
    A. THE FRAME LIP SHALL BE CLEANED OF ALL MUD AND DEBRIS TO PROVIDE WATERTIGHT SEAL BETWEEN THE FRAME AND THE MANHOLE COVER GASKET.
    B. MORTAR SHALL BE USED BETWEEN THE FRAME AND ADJUSTING RINGS AND BETWEEN ADJUSTING RINGS AND THE CONE SECTION IN ALL PAVED AREAS. E-Z STICK MAY BE USED IN LANDSCAPE AREAS.
    C. NO MORE THAN A TOTAL OF EIGHT (8) INCHES OF MANHOLE ADJUSTING RINGS SHALL BE ALLOWED.
    D. ALL STEPS MUST BE INSTALLED, ALIGNED, AND CLEANED.
    E. ALL PINHOLES MUST BE MORTARED WITH BRUSH FINISH TO PROVIDE A WATERTIGHT SEAL.
    F. THE UPSTREAM AND DOWNSTREAM PIPE CAVITIES MUST BE FILLED WITH MORTAR AND SMOOTHED WITH A BRUSH FINISH.
    G. THE UPSTREAM AND DOWNSTREAM FLOW LINES (INVERTS) SHALL HAVE A SMOOTH TRANSITION FROM THE PIPE TO THE MANHOLE INVERT.
    H. ALL MANHOLE STRUCTURES SHALL BE FREE OF ANY TYPE OF INFILTRATION (WATER LEAKING INTO THE STRUCTURE).
    I. IF THERE IS AN INTERNAL DROP IN THE STRUCTURE, THERE MUST BE A SMOOTH TRANSITION FROM THE PIPE TO THE INVERT (I.E. CHANNEL THE FLOW FROM THE PIPE TO THE MANHOLE INVERT).
    J. ALL MANHOLES SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS, OR FOREIGN MATTER OF ANY KIND, AND SHALL BE FREE FROM SUCH ACCUMULATIONS AT THE TIME OF FINAL INSPECTION.
14. ASSURANCES OF COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT (ADA) IS THE RESPONSIBILITY OF THE CONTRACTOR.
15. THE TRAFFIC CONTROL DEVICES MUST COMPLY WITH RIDOT REQUIREMENTS AND BE APPROVED PRIOR TO CONSTRUCTION.
16. DEWATERING

    IF A DEWATERING PLAN IS NEEDED TO ADDRESS EXCAVATION DE-WATERING FOLLOWING HEAVY RAINFALL EVENTS OR WHERE THE EXCAVATION WAY INTERCEPT THE GROUNDWATER TABLE DURING CONSTRUCTION, THE COLLECTED WATER NEEDS TREATMENT AND A DISCHARGE POINT THAT WILL NOT CAUSE DOWNGRADIENT EROSION AND OFFSITE SEDIMENTATION OR WITHIN A RESOURCE. THE DEWATERING PLAN TO BE DEVELOPED BY GEOTECHNICAL ENGINEER OR OTHER QUALIFIED CONSULTANT.
17. BASIC STANDARDS - EROSION CONTROL MEASURES

    MINIMUM EROSION CONTROL MEASURES WILL NEED TO BE IMPLEMENTED AND THE APPLICANT WILL BE RESPONSIBLE TO MAINTAIN ALL COMPONENTS OF THE EROSION CONTROL PLAN UNTIL THE SITE IS FULLY STABILIZED. HOWEVER, BASED ON SITE AND WEATHER CONDITIONS DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY NEED TO BE IMPLEMENTED. ALL AREAS OF INSTABILITY AND EROSION MUST BE REPAIRED IMMEDIATELY DURING CONSTRUCTION AND NEED TO BE MAINTAINED UNTIL THE SITE IS FULLY STABILIZED OR VEGETATION IS ESTABLISHED. A CONSTRUCTION LOG MUST BE MAINTAINED FOR THE EROSION AND SEDIMENTATION CONTROL INSPECTIONS AND MAINTENANCE.

GENERAL NOTES CONTINUED

16. THE CONTRACTOR SHALL COMPLY WITH RHODE ISLAND GENERAL LAWS TITTLE 39, CHAPTER 1.2-6, AS AMENDED, WHICH STATES THAT NO ONE MAY EXCAVATE IN THE STATE OF RHODE ISLAND EXCEPT IN AN EMERGENCY WITHOUT 72 HOURS NOTICE, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, TO NATURAL GAS PIPE LINES COMPANIES, AND MUNICIPAL UTILITY DEPARTMENTS THAT SUPPLY GAS, ELECTRICITY, TELEPHONE, OR CABLE TELEVISION SERVICE IN OR TO THE CITY OR TOWN WHERE THE EXCAVATION IS TO BE MADE. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE.
17. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ESTABLISHMENT AND USE OF ALL VERTICAL AND HORIZONTAL CONSTRUCTION CONTROLS.
18. ELEVATIONS REFER TO RI. NAVD88, UNLESS OTHERWISE STATED.
19. FOR SOIL INFORMATION REFER TO GEOTECHNICAL REPORT.

UTILITY NOTES:

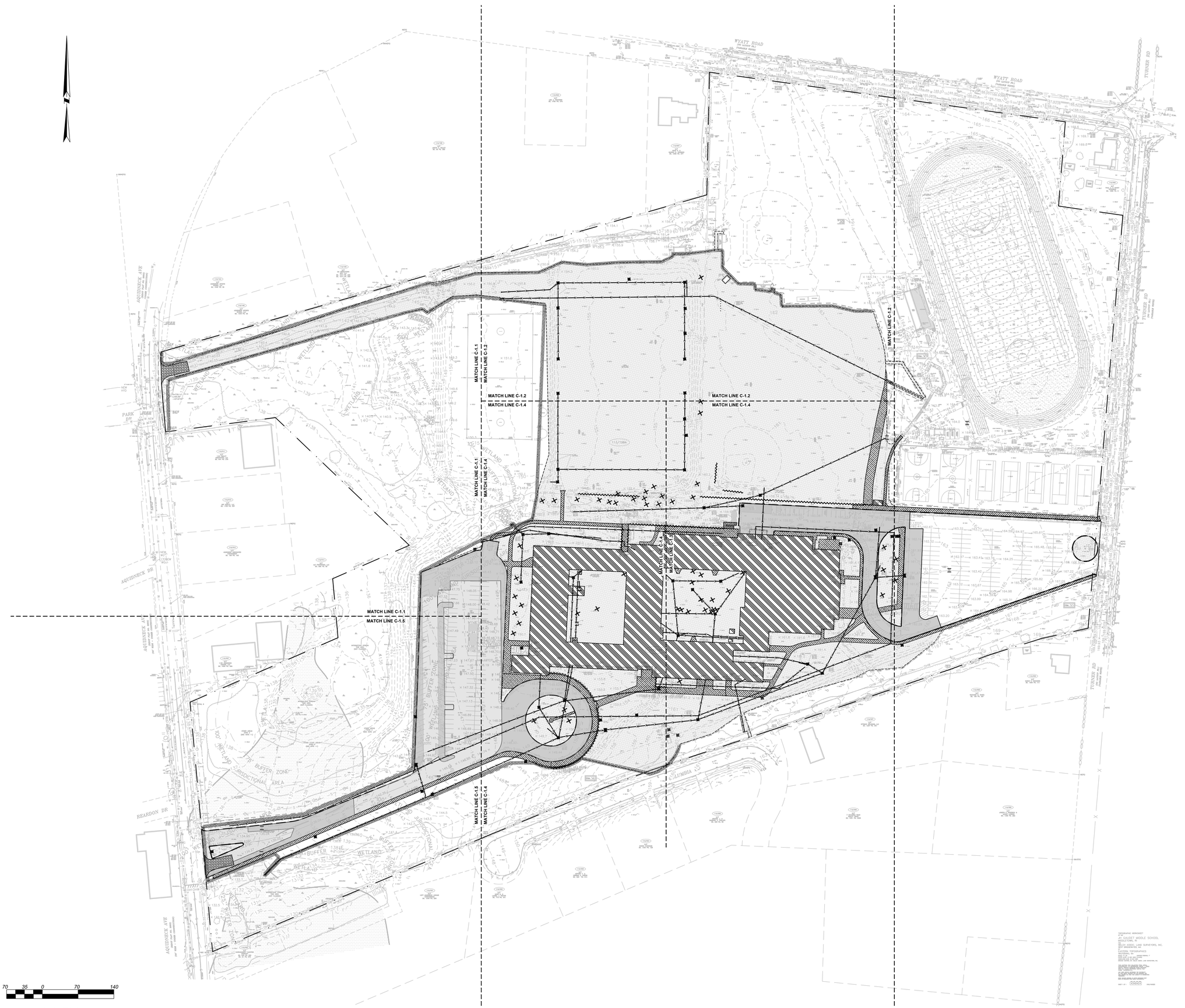
1. ALL UTILITY CONNECTIONS ARE SUBJECT TO THE APPROVAL OF, AND GRANTING OF PERMITS BY, THE LOCAL MUNICIPALITY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS RELATED TO UTILITY WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL PERMISSIONS FROM ALL UTILITY COMPANIES IN WRITING, AT LEAST 7 DAYS (OR PER UTILITY COMPANY REQUIREMENT) AND NOT MORE THAN 30 DAYS PRIOR TO ANY CONSTRUCTION.
3. THE CONTRACTOR SHALL MAINTAIN UTILITIES SERVICING BUILDINGS AND FACILITIES WITHIN OR OUTSIDE THE PROJECT LIMIT UNLESS THE INTERRUPTION OF SERVICE IS COORDINATED WITH THE OWNERS.
4. ALL WATER AND DRAIN WORK SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS AND STANDARD SPECIFICATIONS OF THE LOCAL MUNICIPALITY.
5. GAS,TELECOMMUNICATIONS, LIGHTING, AND ELECTRIC SERVICES ARE TO BE DESIGNED BY EACH UTILITY COMPANY IN COORDINATION WITH THE MECHANICAL, ELECTRIC, AND PLUMBING CONSULTANTS. FOR ON-SITE UTILITIES REFER TO MEP PLANS FOR SIZING OF ELECTRIC, CABLE, GAS, TELEPHONE AND LIGHTING.
6. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES OF NEW UTILITIES WITH GAS, TELECOMMUNICATIONS AND ELECTRIC SERVICES.
7. INSTALL WATER LINES WITH A MINIMUM OF FIVE FEET OF COVER AND A MAXIMUM OF SEVEN FEET COVER FROM THE FINAL DESIGN GRADES. ASSUME DUCTILE IRON PIPE, CLASS 52 UNLESS OTHERWISE NOTED.
8. MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION (WATER OVER SEWER) BETWEEN SEWER AND WATER LINES. WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION AND 18 INCHES OF VERTICAL SEPARATION BETWEEN A PROPOSED OR EXISTING SEWER LINE TO REMAIN AND A PROPOSED OR EXISTING WATER LINE TO REMAIN BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10-FEET ON EITHER SIDE OF THE CROSSING, ONE (1) FULL LENGTH OF WATER PIPE SHALL BE CENTERED OVER THE SEWER AT THE CROSSING.
9. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED AND/OR REMOVED & DISPOSED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING, BACKFILLING, AND SURFACE RESTORATION FOR GAS UTILITY SYSTEMS.
11. ALL ONSITE UTILITIES SHALL BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
12. ALL EXISTING AND PROPOSED MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS, CASTINGS, ETC. SHALL BE RAISED TO FINISHED GRADE PRIOR TO FINAL GRADING AND PAVING CONSTRUCTION.
13. STRUCTURES FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. WHERE GRANULAR TRENCH BACKFILL IS REQUIRED AROUND THESE STRUCTURES, THE COST SHALL BE CONSIDERED AS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE.
14. CONFIRM INVERTS OF ALL CONFLICTING EXISTING STORM INLETS AND SANITARY SEWER MANHOLES BEFORE COMMENCING CONSTRUCTION.

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION REMOVAL AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
3. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO ADJACENT PROPERTIES AT ALL TIMES. UTILITY SERVICES SHALL NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER AND UTILITY PROVIDERS, AS NECESSARY.
4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY ITEMS WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING BUILDINGS PRIOR TO DEMOLITION OF THE BUILDINGS.
6. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
7. ALL EXISTING SEWERS, PIPING, AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH EXCAVATION AROUND AND ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDING.
8. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THEJAMY ROAD RIGHT OF WAY(S) DURING CONSTRUCTION.
9. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE CONSTRUCTION MANAGER.
10. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
11. SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE FENCING, AND/OR STORM INLET STRUCTURES, THE CONTRACTOR SHALL PROVIDE NEW MATERIALS/STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. EXCEPT FOR MATERIALS DESIGNED TO BE RELOCATED ON THIS PLAN. ALL OTHER CONSTRUCTION MATERIALS SHALL BE NEW.
12. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS,BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
13. CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIALS, TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM THE SITE. CONTRACTOR SHALL COORDINATE/PHASE ALL CONSTRUCTION ACTIVITY WITHIN PROXIMITY OF THE PARKING AND UTILITY INTERRUPTIONS WITH THE STORE MANAGER TO MINIMIZE DISTURBANCE AND INCONVENIENCE TO STORE OPERATION AND THE CUSTOMERS.
14. THE CONTRACTOR SHALL COORDINATE WATER MAIN WORK WITH THE FIRE DEPT. AND THE DPW TO PLAN/PROPOSE IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE THROUGHOUT THIS SPECIFIC WORK AND THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATER MAIN SHUT OFFS WITH THE DPW DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATER MAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.
15. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. CONTRACTOR MUST COORDINATE WITH CONSTRUCTION MANAGER PRIOR TO ANY CONSTRUCTION TO ESTABLISH TRAFFIC FLOW DURING ALL PHASES.
17. SITE PREPARATION AND DEMOLITION SHALL INCLUDE THOSE AREAS WITHIN THE LIMIT OF WORK LINE AS SHOWN ON THE CONTRACT DOCUMENTS.
18. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
19. CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING DEMOLITION.
20. THE CONTRACTOR SHALL COORDINATE SITE DEMOLITION EFFORTS WITH ALL TRADES THAT MAY BE AFFECTED BY THE WORK.
21. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS REQUIRED TO FACILITATE CONSTRUCTION, AND LEGALLY DISPOSED OF OFFSITE.
22. UTILITY PIPES DESIGNED TO BE ABANDONED IN PLACE SHALL BE PLUGGED AT THEIR END WITH WATERTIGHT BRICK MASONRY OR CEMENT MORTAR WITH A MINIMUM THICKNESS OF 8 INCHES.
23. UTILITY PIPES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF THE ENTIRE LENGTH OF PIPE AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
24. UTILITY STRUCTURES DESIGNED TO BE ABANDONED IN PLACE SHALL HAVE THEIR CAST IRON CASTINGS REMOVED AND DISPOSED. INLET AND OUTLET PIPES PLUGGED. THE BOTTOM OF THE STRUCTURES SHALL BE BROKEN, THE VOID OF THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED TO 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISHED.
25. UTILITY STRUCTURES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF CAST IRON CASTINGS, PLUGGING OF INLET AND OUTLET PIPES, REMOVAL OF THE STRUCTURE, AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN HE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
26. AT ALL LOCATIONS WHERE EXISTING CURBING, CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
27. EXTEND DESIGNATED LIMIT OF WORK AS NECESSARY (WITHIN PROPERTY LIMITS) TO ACCOMPLISH ROUGH GRADING, EROSION CONTROL, TREE PROTECTION, AND SITE WORK AS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS.
28. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL RUBBISH AND DEBRIS FOUND THEREON. STORAGE OF SUCH MATERIALS ON THE PROJECT SITE WILL NOT BE PERMITTED. THE CONTRACTOR SHALL LEAVE THE SITE IN SAFE, CLEAN, AND LEVEL CONDITION UPON COMPLETION OF THE SITE DEMOLITION WORK.
29. ALL EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE TIME OF CONSTRUCTION, AS SPECIFIED AND DIRECTED BY THE LANDSCAPE ARCHITECT.
30. BEFORE ANY TREES OR SHRUBS ARE REMOVED, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO IDENTIFY TREES AND SHRUBS THAT ARE TO BE REMOVED, AS WELL AS THOSE WHICH ARE TO BE PROTECTED. DO NOT COMMENCE CLEARING OPERATIONS WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
31. THE CONTRACTOR SHALL REMOVE FROM THE AREA OF CONSTRUCTION PAVEMENT, CONCRETE, CURBING, POLED AND FOUNDATIONS, ISLANDS, TREE BERMS AND OTHER FEATURES WITHIN THE LIMITS OF CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION WHETHER SPECIFIED ON THE DRAWINGS OR NOT.

GENERAL EROSION & SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE EROSION AND SEDIMENTATION CONTROL CONSTRUCTION DOCUMENTS AND STORMWATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION. MINIMUM EROSION CONTROL MEASURES WILL NEED TO BE IMPLEMENTED AND THE APPLICANT WILL BE RESPONSIBLE TO MAINTAIN ALL COMPONENTS OF THE EROSION CONTROL PLAN UNTIL THE SITE IS FULLY STABILIZED. HOWEVER, BASED ON SITE AND WEATHER CONDITIONS DURING CONSTRUCTION, ADDITIONAL EROSION CONTROL MEASURES MAY NEED TO BE IMPLEMENTED. ALL AREAS OF INSTABILITY AND EROSION MUST BE REPAIRED IMMEDIATELY DURING CONSTRUCTION AND NEED TO BE MAINTAINED UNTIL THE SITE IS FULLY STABILIZED OR VEGETATION IS ESTABLISHED. A CONSTRUCTION LOG MUST BE MAINTAINED FOR THE EROSION AND SEDIMENTATION CONTROL INSPECTIONS AND MAINTENANCE.
2. BEST MANAGEMENT PRACTICES (BMPS) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OF MANUAL OF PRACTICES, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
3. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
4. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
5. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWNSTREAM SIDES.
6. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
7. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
8. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS DIRECTED BY THE PERMITTING AUTHORITY OR OWNER. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
9. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
10. ALL DISTURBED/BARE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
11. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED IMMEDIATELY, AND NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN
12. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST, OR MUD, THEN EFFORTS MUST BE MADE TO INTERCEPT THE WASTE WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
13. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
14. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE OPEN-AIR ON SUBSURFACE DETENTION PONDS AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE, PER THE OPERATION AND MAINTENANCE PLAN OR AS DIRECTED BY ENGINEER.
15. ON-SITE AND OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRAC



70 35 0 70 140

1 inch = 70 feet

DEMOLITION LEGEND:

- BUILDING TO BE REMOVED (REFER TO ARCHITECTURAL DEMO PLANS FOR FULL DETAIL)
- BITUMINOUS CONCRETE TO BE REMOVED
- HARDSCAPE TO BE REMOVED
- AREA OF LOAM/SUBSOIL REMOVAL. REFER TO EARTHMOVING SPEC. FOR STOCKPILING RE-USE OR PROPER DISPOSAL AS NECESSARY.
- MILL AND OVERLAY
- UTILITIES LINE TO BE REMOVED
- WALL AND FENCE REMOVAL
- CURB REMOVAL
- LIMIT OF WORK
- SAWCUT LINE
- PERIMETER EROSION CONTROL
- UTILITIES STRUCTURE TO BE REMOVED
- PROPOSED CATCHBASIN FILTER
- TREE TO BE REMOVED (INCLUDING STUMP)

NOTES:

1. THE CONTRACTOR SHALL PHASE ALL DEMOLITION AND REMOVAL WORK TO ALLOW FOR THE CONTINUING OPERATION OF ALL STRUCTURES.
2. DRAWING DOES NOT SHOW ENTIRE SCOPE OF DEMO. IT IS INTENDED TO AID CONTRACTOR WITH IDENTIFYING WORK AND IS NOT ALL INCLUSIVE. CONTRACTOR SHOULD REFER TO OTHER DRAWINGS FOR COORDINATION.THIS INCLUDES REMOVING ENTIRE LENGTH/RUN OF UTILITY LINES TO BE REMOVED.
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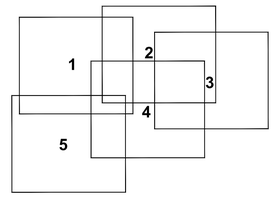
4. COORDINATE SITE TREE, VEGETATION, BOULDERS AND FENCE REMOVAL WITH LANDSCAPE ARCHITECT.
5. IF ANY EXISTING UTILITIES TO REMAIN AND BE PROTECTED ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR IS TO REPLACE IN KIND AT NO ADDITIONAL COST TO THE OWNER/CLIENT.

KEYPLAN



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130 Bishop Allen Drive
Cambridge, MA 02139
617.547.7070
@HMFHarch hmfh.com

DBVW ARCHITECTS
111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

Samiotes Consultants Inc.
Civil Engineers • Land Surveyors
20 A Street
Framingham, MA 01701
T 508.877.6688
F 508.877.8349
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MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION
09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Site Preparation & Erosion Control Plan-Key Plan
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C 1.0
JOB NUMBER 410422

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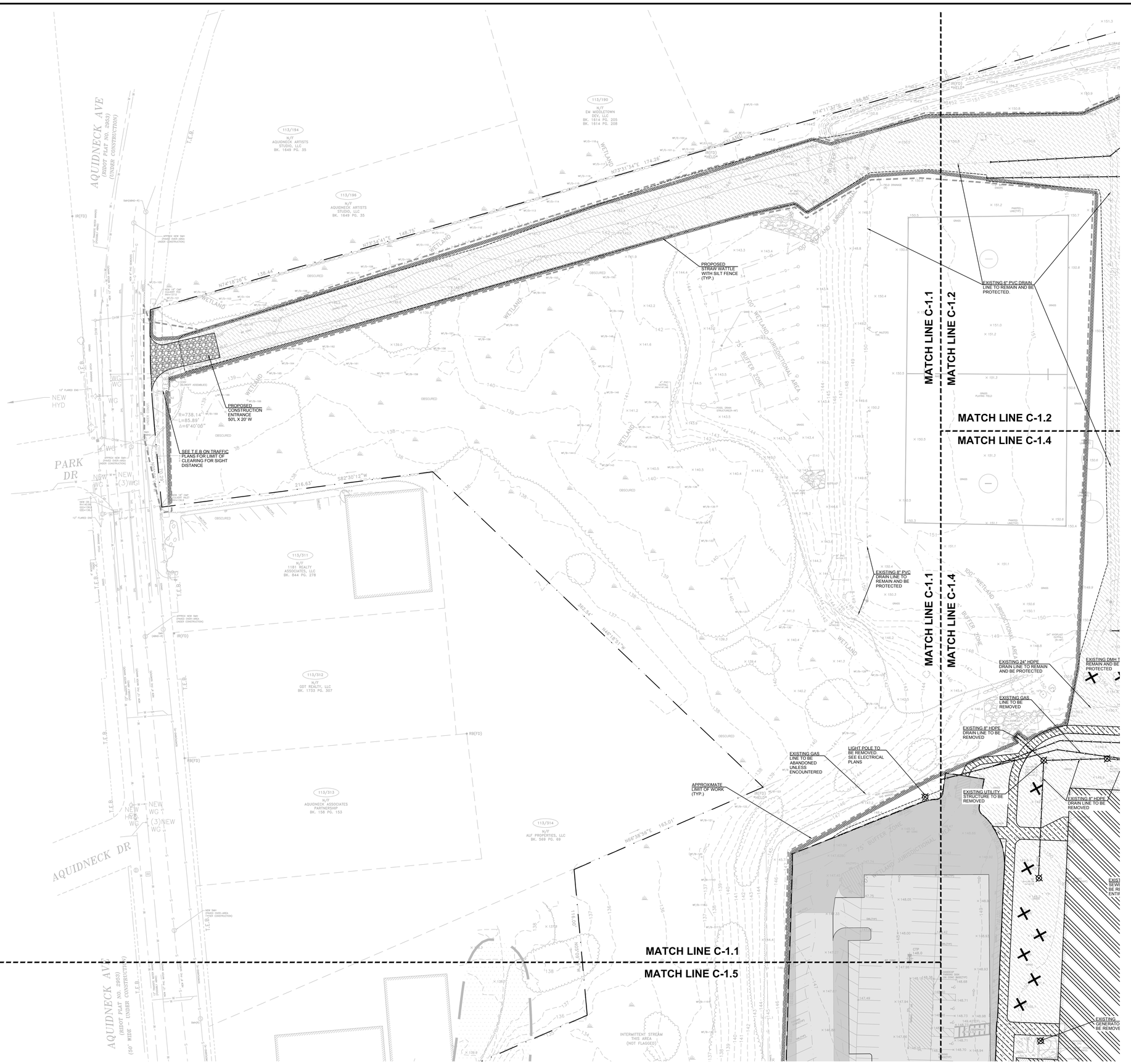

30 15 0 30 60

1 inch = 30 feet

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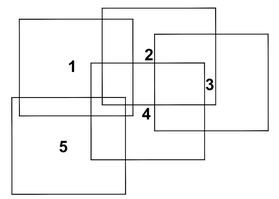

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MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Site Preparation & Erosion Control Plan
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

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1.1
JOB NUMBER 410422

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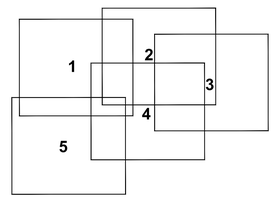

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MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Site Preparation & Erosion Control Plan
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C 1.2
JOB NUMBER 410422

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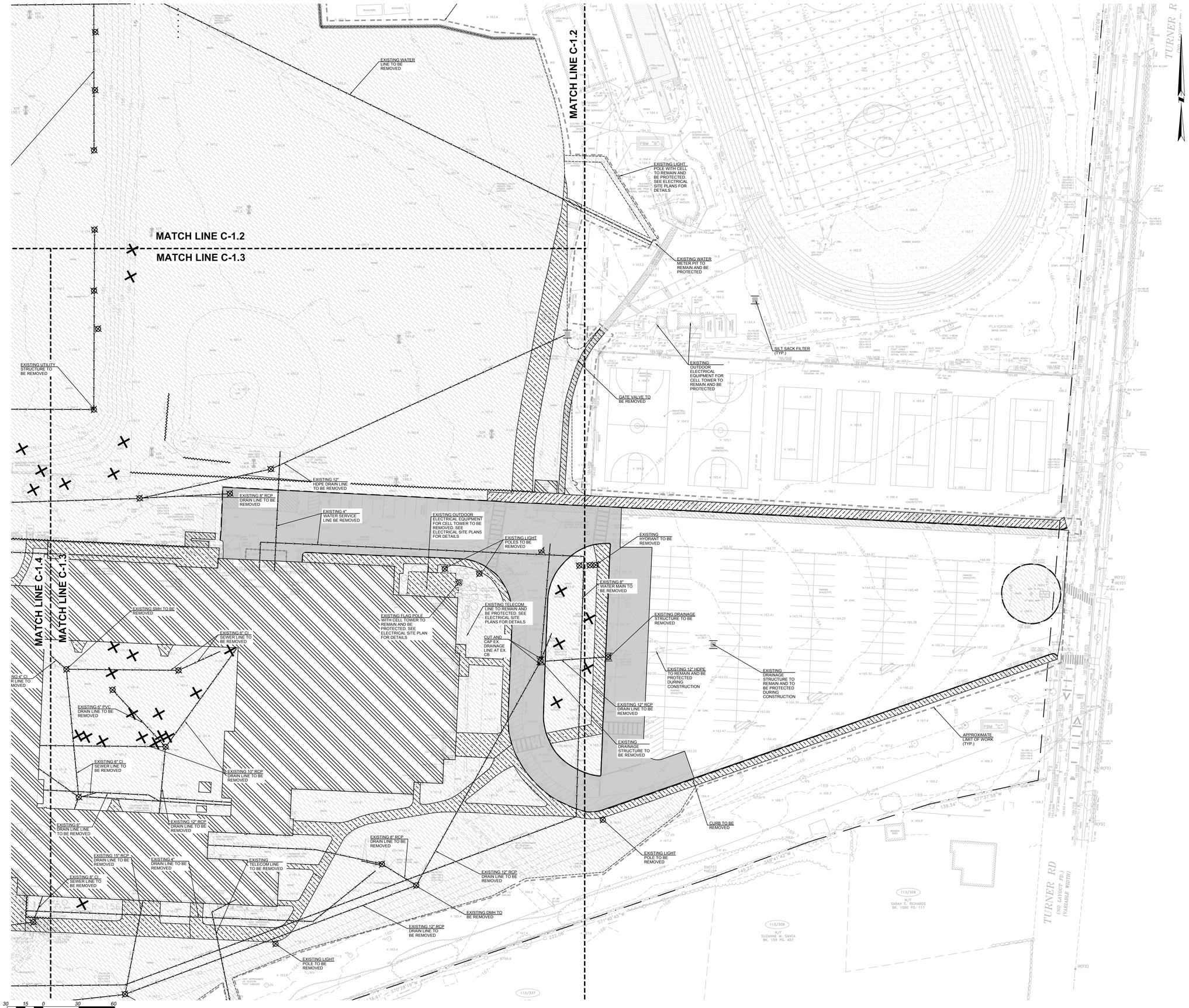

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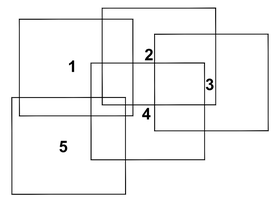
KEYPLAN



MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Site Preparation & Erosion Control Plan
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C
1.3
JOB NUMBER 410422

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MATCH LINE C-1.1

MATCH LINE C-1.5

MATCH LINE C-1.1

MATCH LINE C-1.4

MATCH LINE C-1.4

MATCH LINE C-1.3

MATCH LINE C-1.5

MATCH LINE C-1.4

EXISTING 8" PVC DRAIN LINE TO REMAIN AND BE PROTECTED

EXISTING 24" HDPE DRAIN LINE TO REMAIN AND BE PROTECTED

EXISTING GAS LINE TO BE REMOVED

EXISTING 8" HDPE DRAIN LINE TO BE REMOVED

EXISTING GAS LINE TO BE ABANDONED UNLESS ENCOUNTERED

LIGHT POLE TO BE REMOVED SEE ELECTRICAL PLANS

APPROXIMATE LIMIT OF WORK (TYP.)

EXISTING UTILITY STRUCTURE TO BE REMOVED

EXISTING 8" HDPE DRAIN LINE TO BE REMOVED

EXISTING GAS LINE TO BE REMOVED

EXISTING 4" CI SEWER LINE TO BE REMOVED

EXISTING 6" CI SEWER LINE TO BE REMOVED IN ENTIRETY

EXISTING 8" RCP DRAIN LINE TO BE REMOVED

EXISTING UTILITY STRUCTURE TO BE REMOVED

EXISTING 10" RCP DRAIN LINE TO BE REMOVED

EXISTING GENERATOR TO BE REMOVED

EXISTING UTILITY STRUCTURE TO BE REMOVED

EXISTING UTILITY STRUCTURE TO BE REMOVED

EXISTING DMH TO REMAIN AND BE PROTECTED

EXISTING 12" HDPE DRAIN LINE TO BE REMOVED

EXISTING 8" RCP DRAIN LINE TO BE REMOVED

EXISTING 4" WATER SERVICE LINE BE REMOVED

EXISTING OUTDOOR ELECTRICAL EQUIPMENT FOR CELL TOWER TO BE REMOVED. SEE ELECTRICAL SITE PLANS FOR DETAILS

EXISTING UTILITY POLES TO BE REMOVED

EXISTING SMH TO BE REMOVED

EXISTING 6" CI SEWER LINE TO BE REMOVED

EXISTING FLAG POLE WITH CELL TOWER TO REMAIN AND BE PROTECTED. SEE ELECTRICAL SITE PLAN FOR DETAILS

EXISTING TELECOM LINE TO REMAIN AND BE PROTECTED. SEE ELECTRICAL SITE PLANS FOR DETAILS

CUT AND CAP EX. DRAINAGE LINE AT EX CB

EXISTING 6" PVC DRAIN LINE TO BE REMOVED

EXISTING 4" CI SEWER LINE TO BE REMOVED

EXISTING 6" CI SEWER LINE TO BE REMOVED

EXISTING 10" RCP DRAIN LINE TO BE REMOVED

EXISTING 6" DRAIN LINE LINE TO BE REMOVED

EXISTING 12" RCP DRAIN LINE TO BE REMOVED

EXISTING 15" RCP DRAIN LINE TO BE REMOVED

EXISTING 4" DRAIN LINE TO BE REMOVED

EXISTING TELECOM LINE TO BE REMOVED

EXISTING 8" CI SEWER LINE TO BE REMOVED

EXISTING 8" RCP DRAIN LINE TO BE REMOVED

EXISTING 12" RCP DRAIN LINE TO BE REMOVED

EXISTING DMH TO BE REMOVED

EXISTING 12" RCP DRAIN LINE TO BE REMOVED

EXISTING LIGHT POLE TO BE REMOVED

EXISTING GAS LINE TO REMAIN AND BE PROTECTED

EXISTING LIGHT POLE TO BE REMOVED SEE ELECTRICAL PLANS

EXISTING 8" HDPE DRAIN LINE TO REMAIN AND BE PROTECTED

EXISTING SMH TO REMAIN AND BE PROTECTED

EXISTING 8" RCP TO BE REMOVED

EXISTING 20" RCP TO BE REMOVED

EXISTING 8" RCP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

EXISTING LIGHT POLE TO BE REMOVED

CUT AND CAP EX. DRAINAGE LINE AT EX. DMH

EXISTING DMH TO BE REMOVED

EXISTING 20" RCP TO BE REMOVED

EXISTING 6" CI SEWER LINE TO BE REMOVED

EXISTING 8" CI SEWER LINE TO BE REMOVED

EXISTING 12" RCP DRAIN LINE TO BE REMOVED

EXISTING 6" HDPE DRAIN LINE TO BE REMOVED

EXISTING 20" RCP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

EXISTING DMH TO BE REMOVED

EXISTING LIGHT POLE TO BE REMOVED

PROPOSED STRAW WATTLE WITH SILT FENCE (TYP.)

EXISTING 18" RCP DRAIN LINE TO BE REMOVED

EXISTING DRAINAGE STRUCTURE TO BE REMOVED

ELECTRICAL STRUCTURES AND EQUIPMENT TO BE REMOVED SEE ELECTRICAL PLANS

EXISTING DMH TO BE REMOVED

APPROXIMATE LIMIT OF WORK (TYP.)

PROPOSED STRAW WATTLE WITH SILT FENCE (TYP.)

EXISTING 14" RCP DRAIN LINE TO BE REMOVED

EXISTING 20" RCP TO BE REMOVED

EXISTING 8" RCP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

EXISTING LIGHT POLE TO BE REMOVED

EXISTING DMH TO BE REMOVED

CUT AND CAP EX. DRAINAGE LINE AT EX. DMH

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EXISTING SMH TO REMAIN AND BE PROTECTED

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EXISTING DMH TO BE REMOVED

EXISTING 20" RCP TO BE REMOVED

EXISTING 6" CI SEWER LINE TO BE REMOVED

EXISTING 8" CI SEWER LINE TO BE REMOVED

EXISTING 12" RCP DRAIN LINE TO BE REMOVED

EXISTING 6" HDPE DRAIN LINE TO BE REMOVED

EXISTING 20" RCP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

EXISTING DMH TO BE REMOVED

EXISTING LIGHT POLE TO BE REMOVED

PROPOSED STRAW WATTLE WITH SILT FENCE (TYP.)

EXISTING 18" RCP DRAIN LINE TO BE REMOVED

EXISTING DRAINAGE STRUCTURE TO BE REMOVED

EXISTING 14" RCP DRAIN LINE TO BE REMOVED

EXISTING 20" RCP TO BE REMOVED

EXISTING 8" RCP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

EXISTING LIGHT POLE TO BE REMOVED

EXISTING DMH TO BE REMOVED

CUT AND CAP EX. DRAINAGE LINE AT EX. DMH

EXISTING GENERATOR TO BE REMOVED

EXISTING 6" DRAIN LINE LINE TO BE REMOVED

EXISTING 12" RCP DRAIN LINE TO BE REMOVED

EXISTING 15" RCP DRAIN LINE TO BE REMOVED

EXISTING 4" DRAIN LINE TO BE REMOVED

EXISTING TELECOM LINE TO BE REMOVED

EXISTING 8" CI SEWER LINE TO BE REMOVED

EXISTING 8" RCP DRAIN LINE TO BE REMOVED

EXISTING 12" RCP DRAIN LINE TO BE REMOVED

EXISTING DMH TO BE REMOVED

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EXISTING LIGHT POLE TO BE REMOVED

EXISTING GAS LINE TO REMAIN AND BE PROTECTED

EXISTING LIGHT POLE TO BE REMOVED SEE ELECTRICAL PLANS

EXISTING 8" HDPE DRAIN LINE TO REMAIN AND BE PROTECTED

EXISTING SMH TO REMAIN AND BE PROTECTED

EXISTING 8" RCP TO BE REMOVED

EXISTING 20" RCP TO BE REMOVED

EXISTING 8" RCP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

EXISTING LIGHT POLE TO BE REMOVED

EXISTING DMH TO BE REMOVED

CUT AND CAP EX. DRAINAGE LINE AT EX. DMH

MATCH LINE C-1.1

MATCH LINE C-1.5

MATCH LINE C-1.5

MATCH LINE C-1.4

AQUIDNECK AVE
(RIDOT PLAT NO. 2953)
(50' WIDE – UNDER CONSTRUCTION)

REARDON DR

113/307
N/T
1159 AQUIDNECK AVENUE, LLC
BK. 1528 PG. 288

113/331
N/T
1077 AQUIDNECK AVENUE CONDOMINIUM
BK. 1046 PG. 205

113/332
N/T
MARC S. & LAUREL J. THAYER
BK. 718 PG. 341

113/200
N/T
NARRAGANSETT ELECTRIC COMPANY
BK. 546 PG. 309
BK. 51 PG. 576

EXISTING GAS LINE TO REMAIN AND BE PROTECTED

EXISTING LIGHT POLE TO BE REMOVED. SEE ELECTRICAL PLANS

EXISTING 8" HDPE DRAIN LINE TO REMAIN AND BE PROTECTED

EXISTING SMH TO REMAIN AND BE PROTECTED

EXISTING 8" RCP TO BE REMOVED

EXISTING SEWER LINE TO REMAIN AND BE PROTECTED

EXISTING DRAIN LINE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

SILT SACK FILTER (TYP.)

EXISTING LIGHT POLE TO BE REMOVED. SEE ELECTRICAL PLANS

EXISTING 20" RCP TO BE REMOVED

PROPOSED CONSTRUCTION ENTRANCE 50'L X 20' W

EXISTING LIGHT POLE TO BE REMOVED

EXISTING 20" RCP TO BE REMOVED

EXISTING LIGHT POLE TO BE REMOVED

EXISTING DMH TO BE REMOVED

CUT AND CAP EX. DRAINAGE LINE AT EX. DMH

EXISTING 8" RCP TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

EXISTING 20" RCP TO BE REMOVED

PROPOSED STRAW WATTLE WITH SILT FENCE (TYP.)

75' BUFFER ZONE
100' WETLAND JURISDICTIONAL AREA
25' BUFFER ZONE
WETLAND
INTERMITTENT STREAM THIS AREA (NOT FLAGGED)
OTHER AREAS ZONE X (SEE NOTE 11)
OTHER FLOOD AREAS ZONE "X" (SEE NOTE 11)

30 15 0 30 60

1 inch = 30 feet

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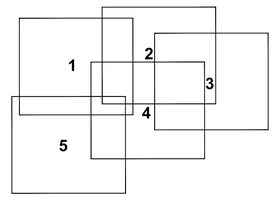
KEYPLAN



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Cambridge, MA 02139
617.547.5230
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MAJOR LAND DEVELOPMENT-MASTER PLAN
SUBMISSION
09/11/2024

STEPHEN R. GARVIN
5681
REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Site Preparation & Erosion Control Plan
SCALE: AS SHOWN DRAWN BY: JM CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C
1.5
JOB NUMBER 410422

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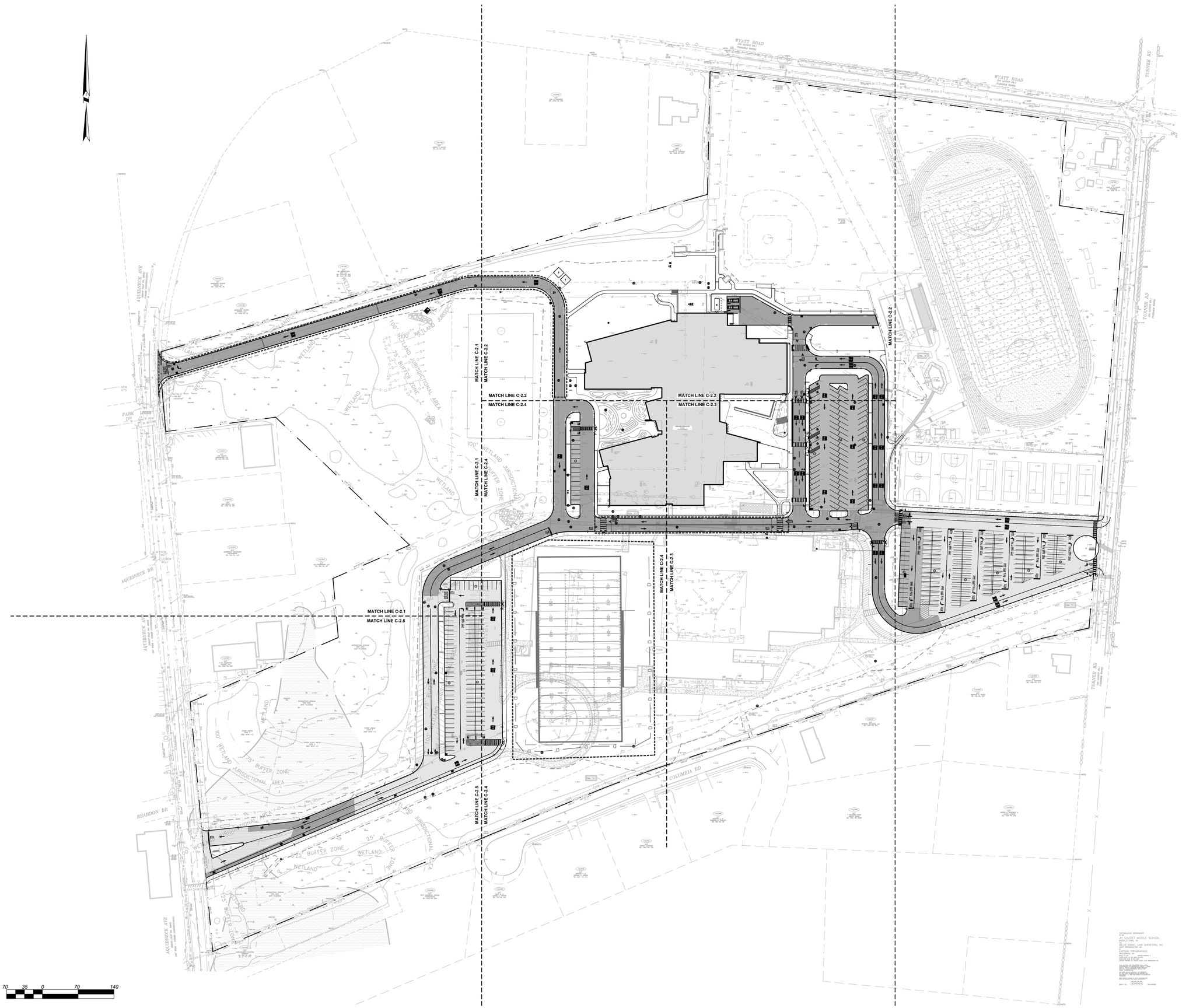

70 35 0 70 140

1 inch = 70 feet

LEGEND:

- PCC — PROPOSED PRECAST CONCRETE CURB
- VGC — PROPOSED VERTICAL GRANITE CURB
- BB — PROPOSED BITUMINOUS BERM
- PROPOSED MILL AND OVERLAY
- PROPOSED ASPHALT PAVEMENT
- PROPOSED HEAVY DUTY ASPHALT PAVEMENT
- PROPOSED SIGN
- (14) NUMBER OF PARKING SPACES
- PROPOSED ADD/ALTERNATE

NOTES:

1. CONTRACTOR TO REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF BUILDING ACCESS POINTS AND EXIT PORCHES, PRECISE BUILDING DIMENSIONS AND MEP PLANS FOR EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
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PRECAST CONCRETE CURB	
STRAIGHT RUN	6,481 FT
RADIUS RUN	617 FT
BITUMINOUS BERM	
STRAIGHT RUN	768 FT
RADIUS RUN	242 FT
VERTICAL GRANITE CURB	
STRAIGHT RUN	2,671 FT
RADIUS RUN	1,008 FT

PROPOSED ALTERNATE NOTES:

ITEM #4 - UTILIZE PRECAST OR CAST IN PLACE CURBING IN LIEU OF GRANITE

PRECAST CONCRETE CURB	
STRAIGHT RUN	9,152 FT
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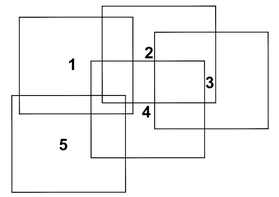

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Cambridge, MA 02139
617.547.7070
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MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI

MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

Vehicular Layout Plan-Key Plan

SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DATE	REMARKS

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JOB NUMBER 410422

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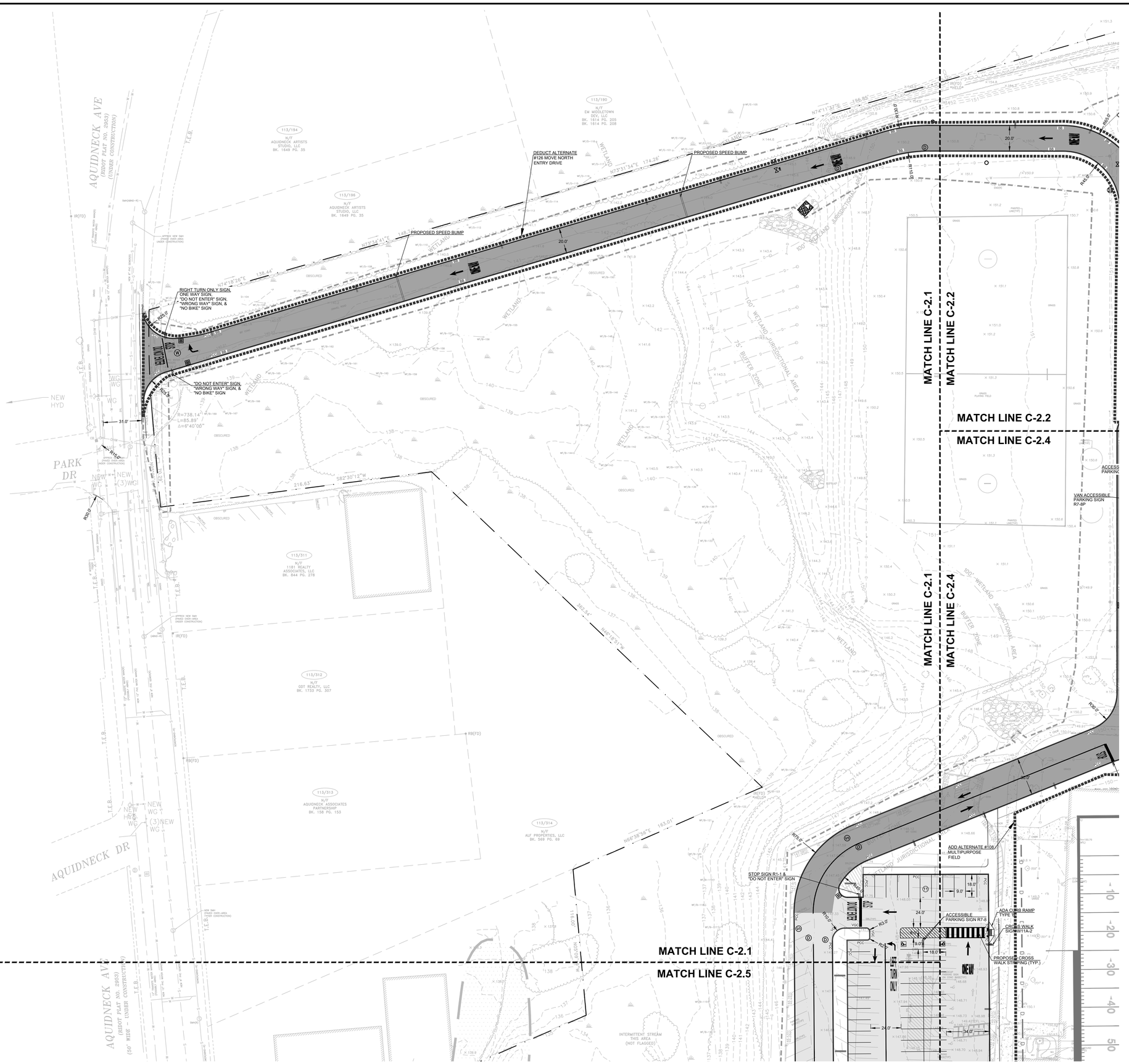
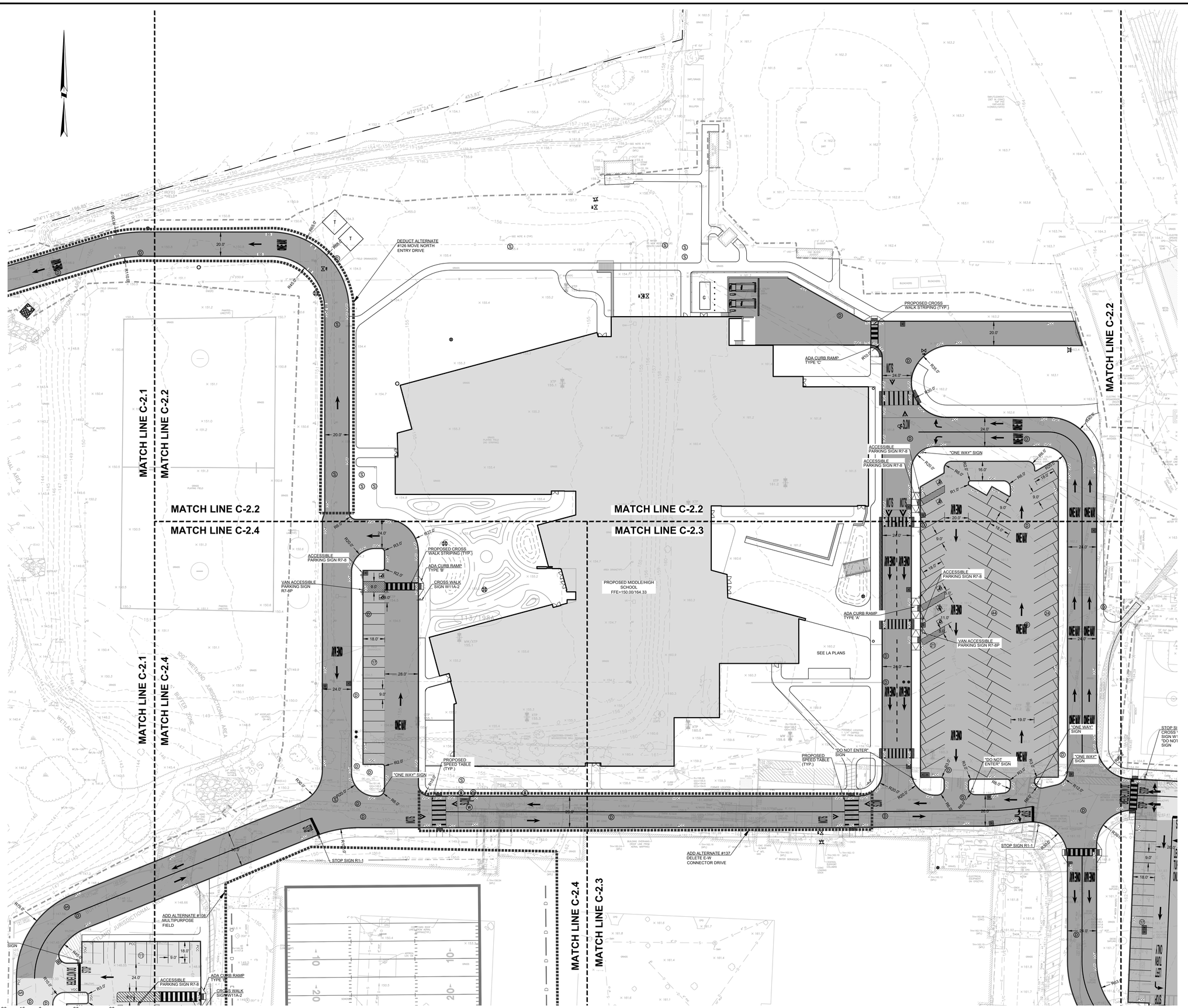

AQUIDNECK AVE
(RIDOT PLAT NO. 29/53)
(50' WIDE - UNDER CONSTRUCTION)
PARK DR
AQUIDNECK DR
BROADWAY
DEDUCT ALTERNATE #126 MOVE NORTH ENTRY DRIVE
PROPOSED SPEED BUMP
PROPOSED SPEED BUMP
RIGHT TURN ONLY SIGN, ONE WAY SIGN, "DO NOT ENTER" SIGN, "WRONG WAY" SIGN, & "NO BIKE" SIGN
"DO NOT ENTER" SIGN, "WRONG WAY" SIGN, & "NO BIKE" SIGN
STOP SIGN R1-1 & "DO NOT ENTER" SIGN
ADD ALTERNATE #108 MULTIPURPOSE FIELD
ACCESSIBLE PARKING SIGN R7-8
ADA CURB RAMP TYPE 1
CROSS WALK SIGN W11A-2
PROPOSED CROSS WALK STRIPING (TYP.)
VAN ACCESSIBLE PARKING SIGN R7-8P
MATCH LINE C-2.1
MATCH LINE C-2.2
MATCH LINE C-2.4
MATCH LINE C-2.5
113/194 N/F AQUIDNECK ARTISTS STUDIO, LLC BK. 1649 PG. 35
113/190 N/F EM MIDDLETOWN DEV., LLC BK. 1614 PG. 205 BK. 1614 PG. 208
113/196 N/F AQUIDNECK ARTISTS STUDIO, LLC BK. 1649 PG. 35
113/311 N/F 1181 REALTY ASSOCIATES, LLC BK. 844 PG. 378
113/312 N/F GDT REALTY, LLC BK. 1733 PG. 307
113/313 N/F AQUIDNECK ASSOCIATES PARTNERSHIP BK. 158 PG. 153
113/314 N/F ALF PROPERTIES, LLC BK. 569 PG. 69
WETLAND
100' WETLAND JURISDICTIONAL AREA
75' BUFFER ZONE
INTERMITTENT STREAM THIS AREA (NOT FLAGGED)
N73°44'41"E 174.20'
N74°11'37"E 196.80'
N74°19'25"E 139.44'
S82°30'12"W 216.63'
N68°38'56"E 161.01'
S65°45'54"W 365.44'
R=738.14'
L=85.89'
Δ=6°40'06"
R=30.0'
R=50.0'
20.0'
31.0'
30.0'
24.0'
18.0'
9.0'
NEW HYD
NEW WG
(3)NEW WG
NEW CB
NEW SMH
NEW DMH
NEW CLEANOUT
NEW CURB INLET
NEW FLARE END SECTION
NEW GAS GATE
NEW GAS VALVE
NEW WATER GATE VALVE
NEW WATER VALVE
NEW WATER SHUT OFF
NEW UTILITY POLE
NEW LIGHT POLE
NEW TRANSFORMER
NEW TELEPHONE MANHOLE
NEW ELECTRIC MANHOLE
NEW ELECTRIC HANDHOLE
NEW TELEPHONE HANDHOLE
NEW TELEPHONE PEDESTAL
NEW ELECTRIC PEDESTAL
NEW ELECTRIC METER
NEW TELEPHONE RISER
NEW ELECTRIC RISER
NEW TELEPHONE RISER
NEW ELECTRIC CABLE
NEW TELEPHONE CABLE
NEW FIBER OPTIC CABLE
NEW GAS LINE
NEW WATER LINE
NEW SEWER LINE
NEW DRAIN LINE
NEW CULVERT
NEW CONCRETE
NEW BITUMINOUS CONCRETE
NEW GRANITE CURB
NEW CONCRETE CURB
NEW BERM
NEW GUARD RAIL
NEW FENCE
NEW RETAINING WALL
NEW SIGN
NEW TREE
NEW SHRUB
NEW LANDSCAPING
NEW BOLLARD
NEW FLAG POLE
NEW BENCH
NEW TRASH RECEPTACLE
NEW BICYCLE RACK
NEW HANDICAP RAMP
NEW STAIRS
NEW HANDRAIL
NEW GUARDRAIL
NEW CONCRETE PAD
NEW GENERATOR
NEW SPRINKLER
NEW FIRE DEPARTMENT CONNECTION
NEW FIRE HYDRANT
NEW FIRE ALARM BOX
NEW FIRE ALARM CONTROL PANEL
NEW FIRE ALARM CONTROL PANEL
NEW FIRE ALARM CONTROL PANEL



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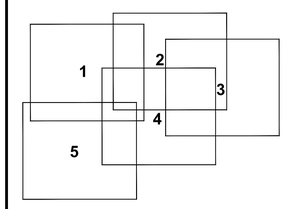

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130 Bishop Allen Drive
Cambridge, MA 02139
617.547.5200
@HMFHarch hmfh.com

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111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

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Civil Engineers + Land Surveyors
20 A Street
Framingham, MA 01701
T 508.877.6688
F 508.877.8349
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MAJOR LAND DEVELOPMENT-MASTER PLAN
SUBMISSION
09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Vehicular Layout Plan

SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

DATE	REMARKS

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JOB NUMBER 410422

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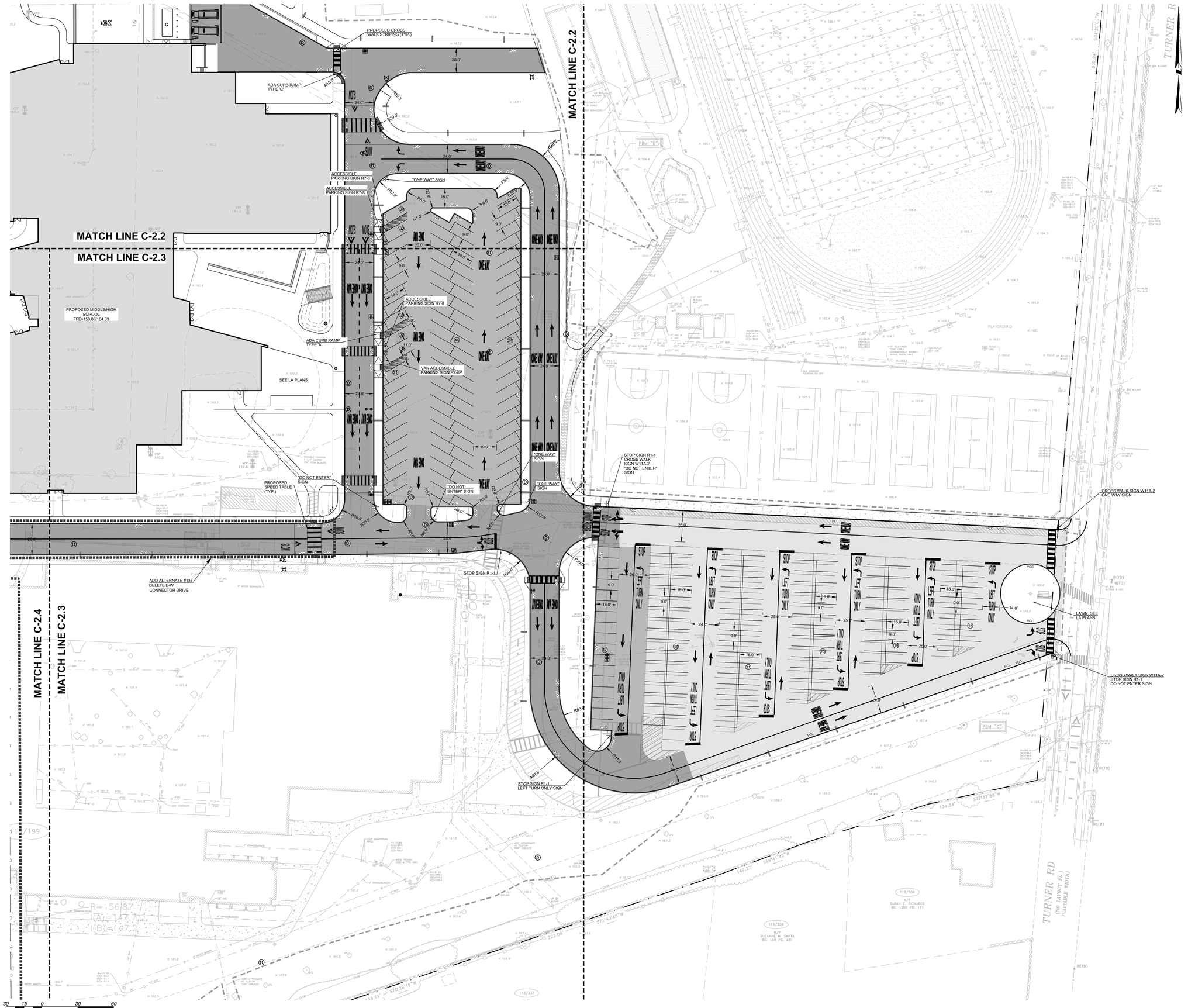

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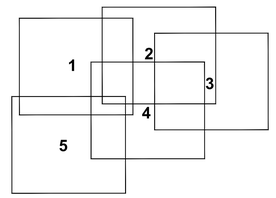

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Cambridge, MA 02139
617.547.5570
@HMFHarch hmfh.com

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PROVIDENCE, RI 02903
401.831.1240
www.DBVW.com

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MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Vehicular Layout Plan

MAJOR LAND DEVELOPMENT-MASTER PLAN
SUBMISSION
09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

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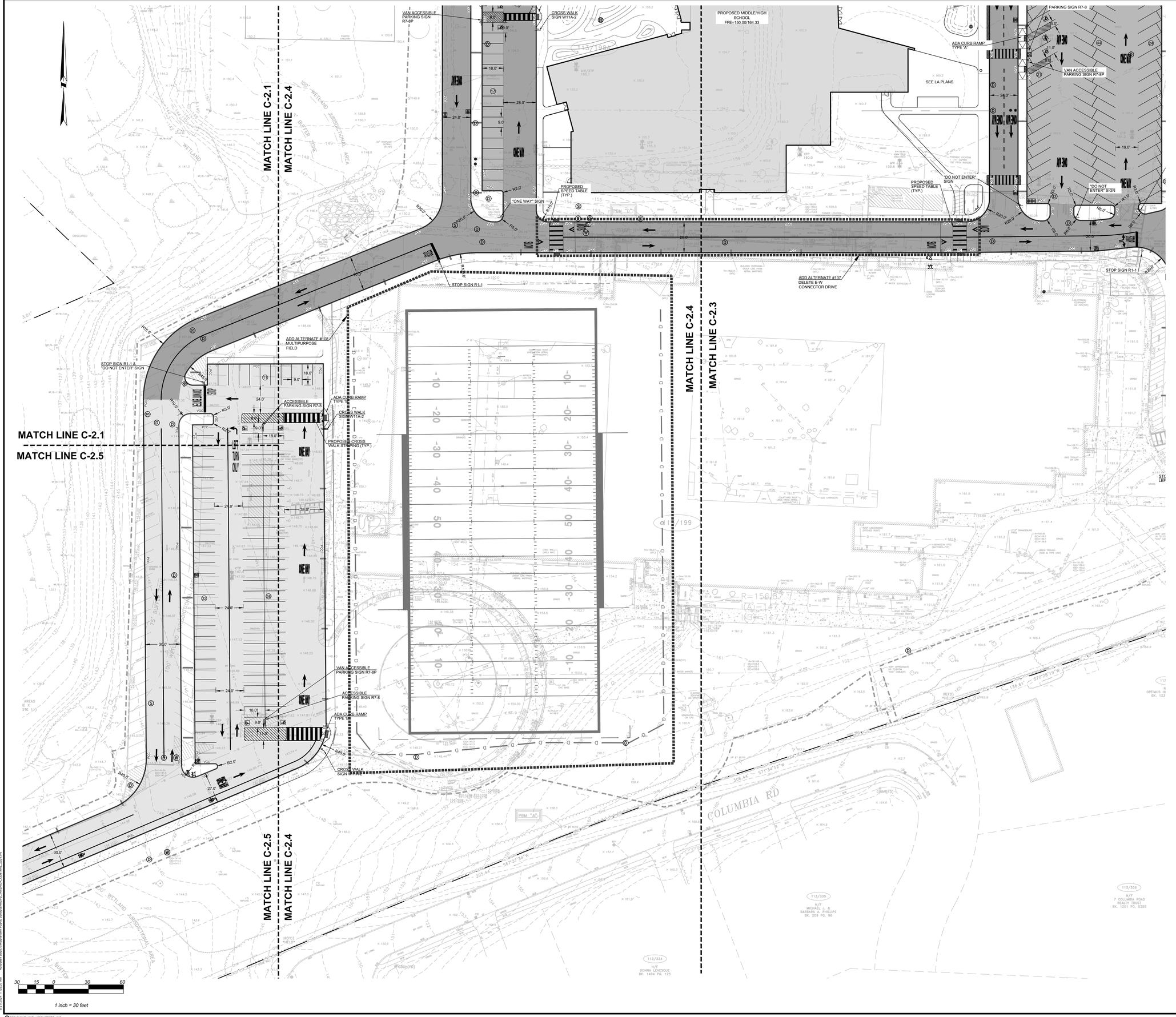

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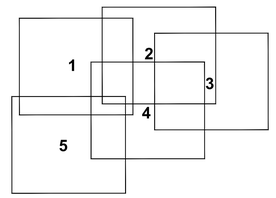

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130 Bishop Allen Drive
Cambridge, MA 02139
617.547.7007
@HMFHarch hmfh.com

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111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.DBVW.com

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20 A Street
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MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION
09/11/2024

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Vehicular Layout Plan

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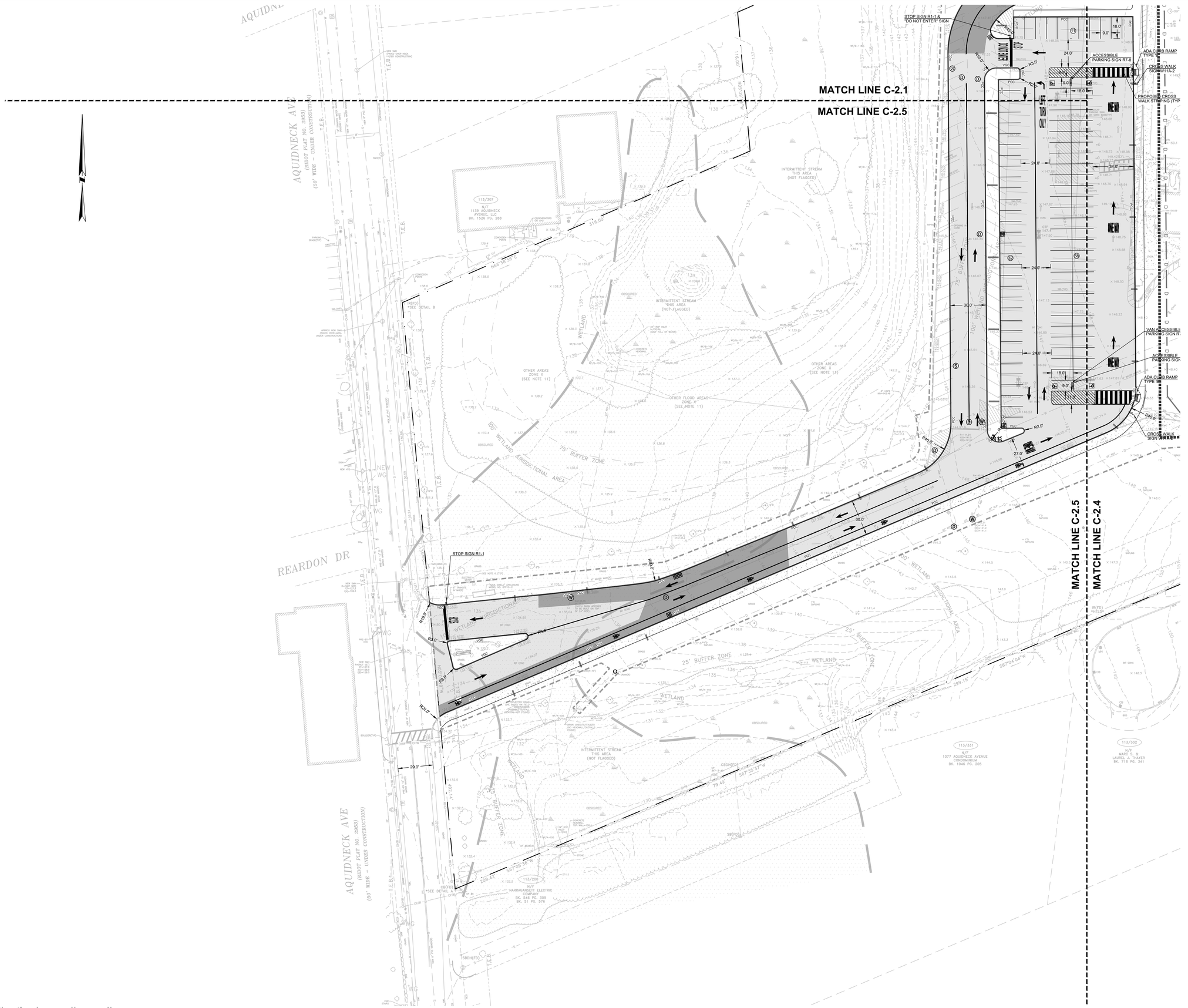

30 15 0 30 60

1 inch = 30 feet

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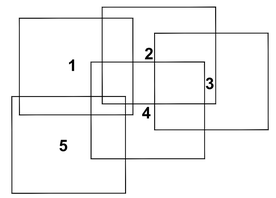

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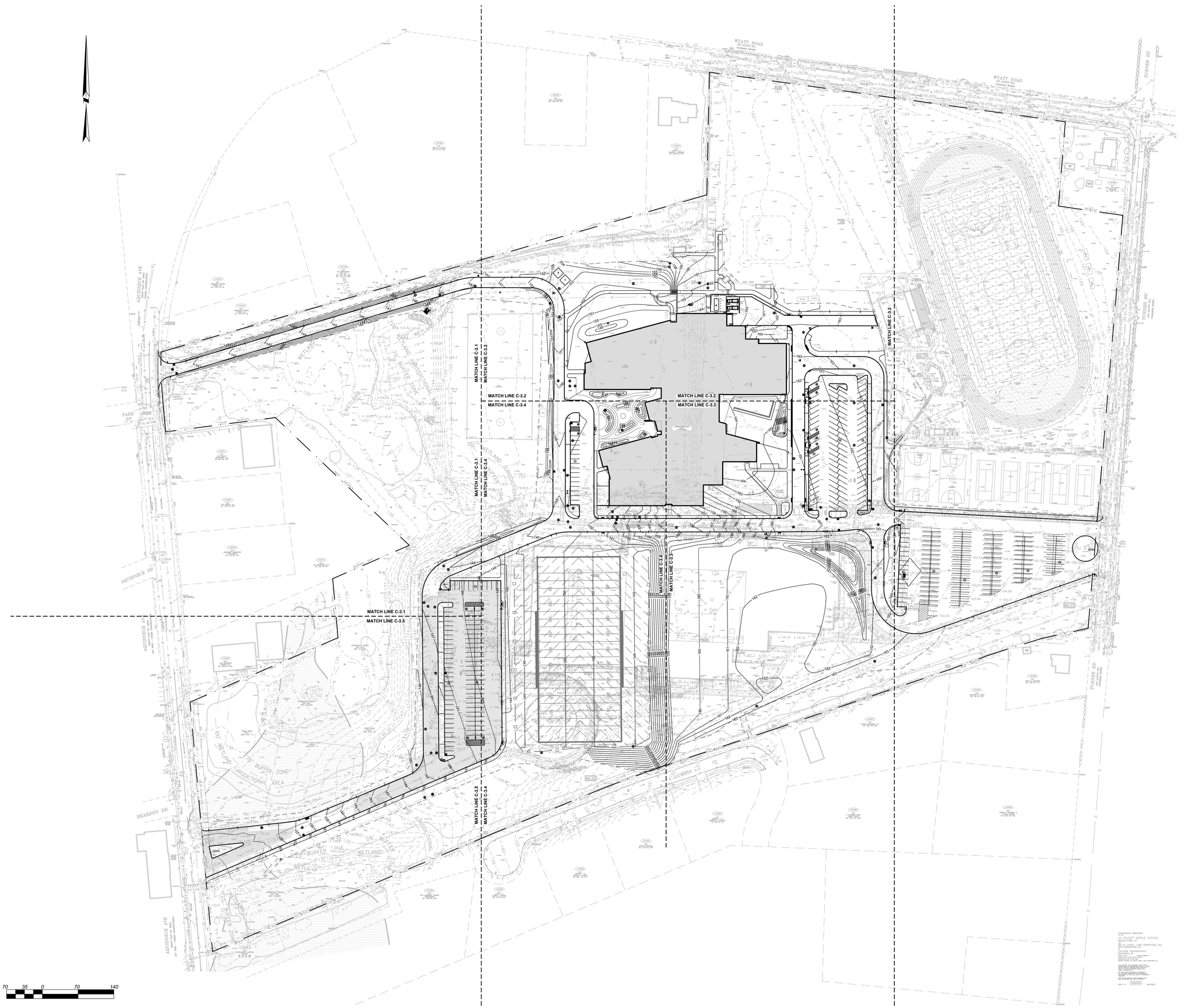


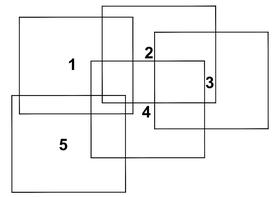
LEGEND:

129	PROPOSED INTERMEDIATE CONTOUR
130	PROPOSED INDEX CONTOUR
130.0 ×	PROPOSED SPOT GRADE
(130.0) ×	EXISTING GRADE TO REMAIN (V.I.F.)
TW=131.87 BW=130.50 ×	PROPOSED TOP/BOTTOM OF WALL (NOT FOUNDATION)
TC=131.87 BC=130.50 ×	PROPOSED TOP/BOTTOM OF CURB
RIM=130.20 ×	PROPOSED RIM ELEVATION (TO FINAL GRADE)
V.I.F.	VERIFY GRADE IN FIELD \ TO BE SET
	PROPOSED RIDGE LINE
	DIRECTIONAL SLOPE

NOTES:

1. REFER TO LANDSCAPE ARCHITECTURE PLANS FOR ALL GRADING IN LANDSCAPE, AND PLAZAS AREAS AS WELL AS ATHLETIC FIELDS.
2. EXISTING CURB TO REMAIN IS TO BE BROUGHT UP TO PROPOSED GRADES.

KEYPLAN



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MAJOR LAND DEVELOPMENT-MASTER PLAN
SUBMISSION
09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Grading Plan-Key Plan

SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

DRAWING NUMBER
C
3.0
JOB NUMBER 410422

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AQUIDNECK AVE
(RIDOT PLAT NO. 2953)
(COVER CONSTRUCTION)
AQUIDNECK DR
PARK DR
113/194 N/F AQUIDNECK ARTISTS STUDIO, LLC BK. 1649 PG. 35
113/196 N/F AQUIDNECK ARTISTS STUDIO, LLC BK. 1649 PG. 35
113/190 N/F EM MIDDLETOWN DEV., LLC BK. 1614 PG. 205 BK. 1614 PG. 208
113/311 N/F 1181 REALTY ASSOCIATES, LLC BK. 844 PG. 278
113/312 N/F GDT REALTY, LLC BK. 1733 PG. 307
113/313 N/F AQUIDNECK ASSOCIATES PARTNERSHIP BK. 158 PG. 153
113/314 N/F ALF PROPERTIES, LLC BK. 569 PG. 69
2.50:1 SLOPE WITH JUTE MESH
2.50:1 SLOPE WITH JUTE MESH
MATCH LINE C-3.1
MATCH LINE C-3.2
MATCH LINE C-3.4
MATCH LINE C-3.1
MATCH LINE C-3.5
MATCH LINE C-3.1
MATCH LINE C-3.4
100' WETLAND JURISDICTIONAL AREA
75' BUFFER ZONE
WETLAND
INTERMITTENT STREAM THIS AREA (NOT FLAGGED)
N73°34'41"E 149.75'
N74°18'25"E 138.44'
N74°11'37"E 196.80'
N73°31'14"E 174.20'
S82°30'12"W 216.63'
N66°35'56"E 165.01'
N14°18'51"W 382.64'
R=738.14'
L=85.89'
Δ=6°40'06"
RIM=140.22
RIM=140.11
RIM=147.79
RIM=147.92
RIM=147.12
RIM=147.10
RIM=147.38
RIM=148.87
RIM=151.71
RIM=149.27
RIM=148.32
RIM=150.07
TC=142.50 BC=142.00
TC=142.91 BC=142.41
TC=143.83 BC=143.33
TC=143.63 BC=143.33
TC=146.63 BC=146.13
TC=146.47 BC=147.97
TC=146.04 BC=146.04
TC=146.83 BC=146.13
TC=148.04 BC=147.54
TC=148.25 BC=147.75
TC=148.34 BC=147.84
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TC=147.50 BC=147.00
TC=147.50 BC=147.00
TC=148.97 BC=148.47
TC=148.92 BC=148.42
TC=149.59 BC=149.09
TC=149.61 BC=149.11
TC=149.99 BC=149.49
TC=151.16 BC=150.66
TC=151.27 BC=150.77
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TC=153.06 BC=152.56
TC=148.10 BC=147.60
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TC=148.58
TC=148.73
TC=148.70
TC=149.42
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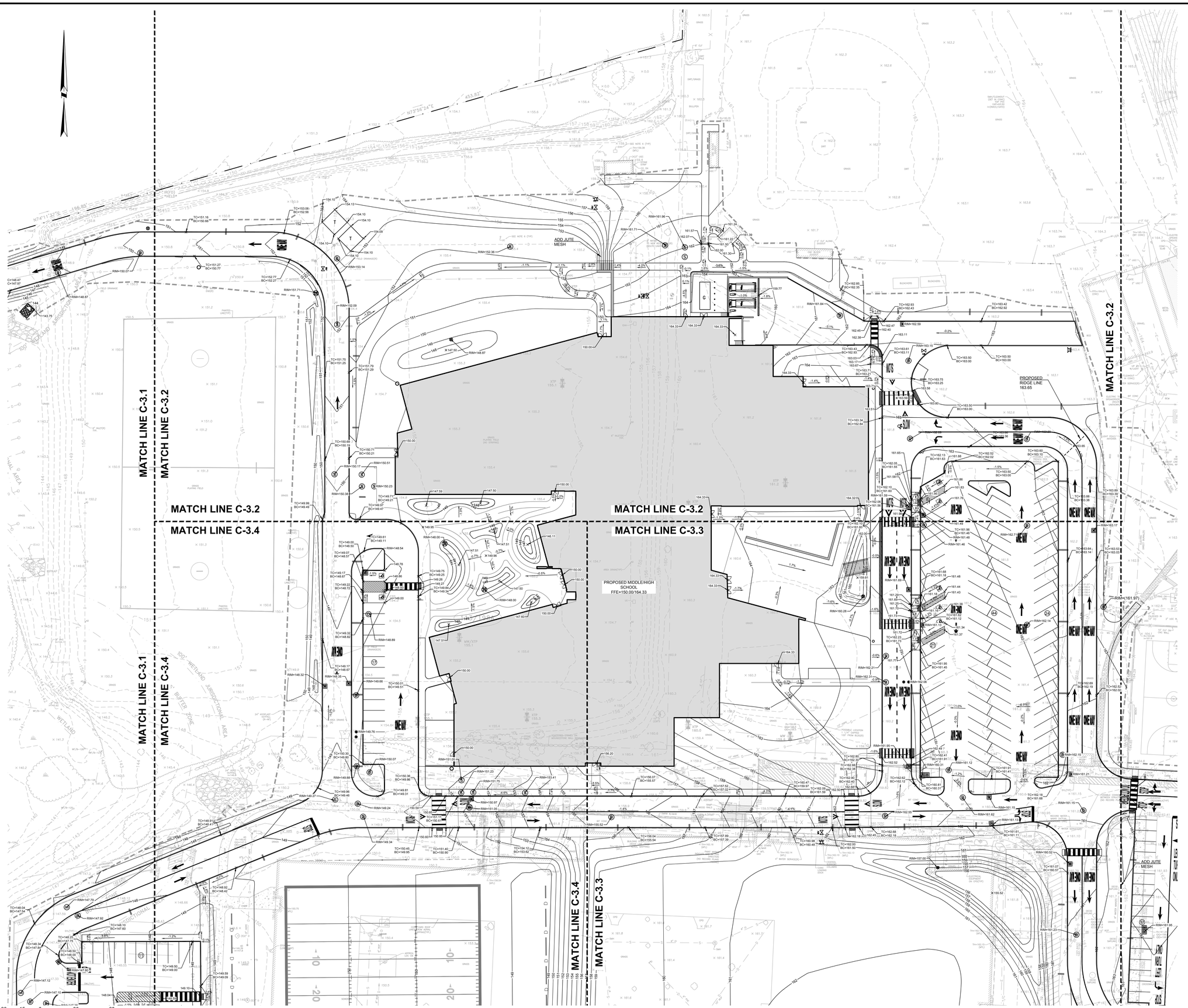


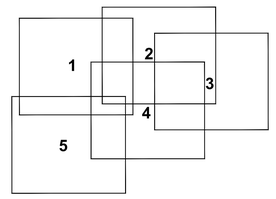
LEGEND:

129	PROPOSED INTERMEDIATE CONTOUR
130	PROPOSED INDEX CONTOUR
130.0 ×	PROPOSED SPOT GRADE
(130.0) ×	EXISTING GRADE TO REMAIN (V.I.F.)
TW=131.87 BW=130.50 ×	PROPOSED TOP/BOTTOM OF WALL (NOT FOUNDATION)
TC=131.87 BC=130.50 ×	PROPOSED TOP/BOTTOM OF CURB
RIM=130.20 ×	PROPOSED RIM ELEVATION (TO FINAL GRADE)
V.I.F.	VERIFY GRADE IN FIELD \ TO BE SET
	PROPOSED RIDGE LINE
	DIRECTIONAL SLOPE

NOTES:

1. REFER TO LANDSCAPE ARCHITECTURE PLANS FOR ALL GRADING IN LANDSCAPE, AND PLAZAS AREAS AS WELL AS ATHLETIC FIELDS.
2. EXISTING CURB TO REMAIN IS TO BE BROUGHT UP TO PROPOSED GRADES.

KEYPLAN



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MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION
09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Grading Plan

SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C
3.2
JOB NUMBER 410422

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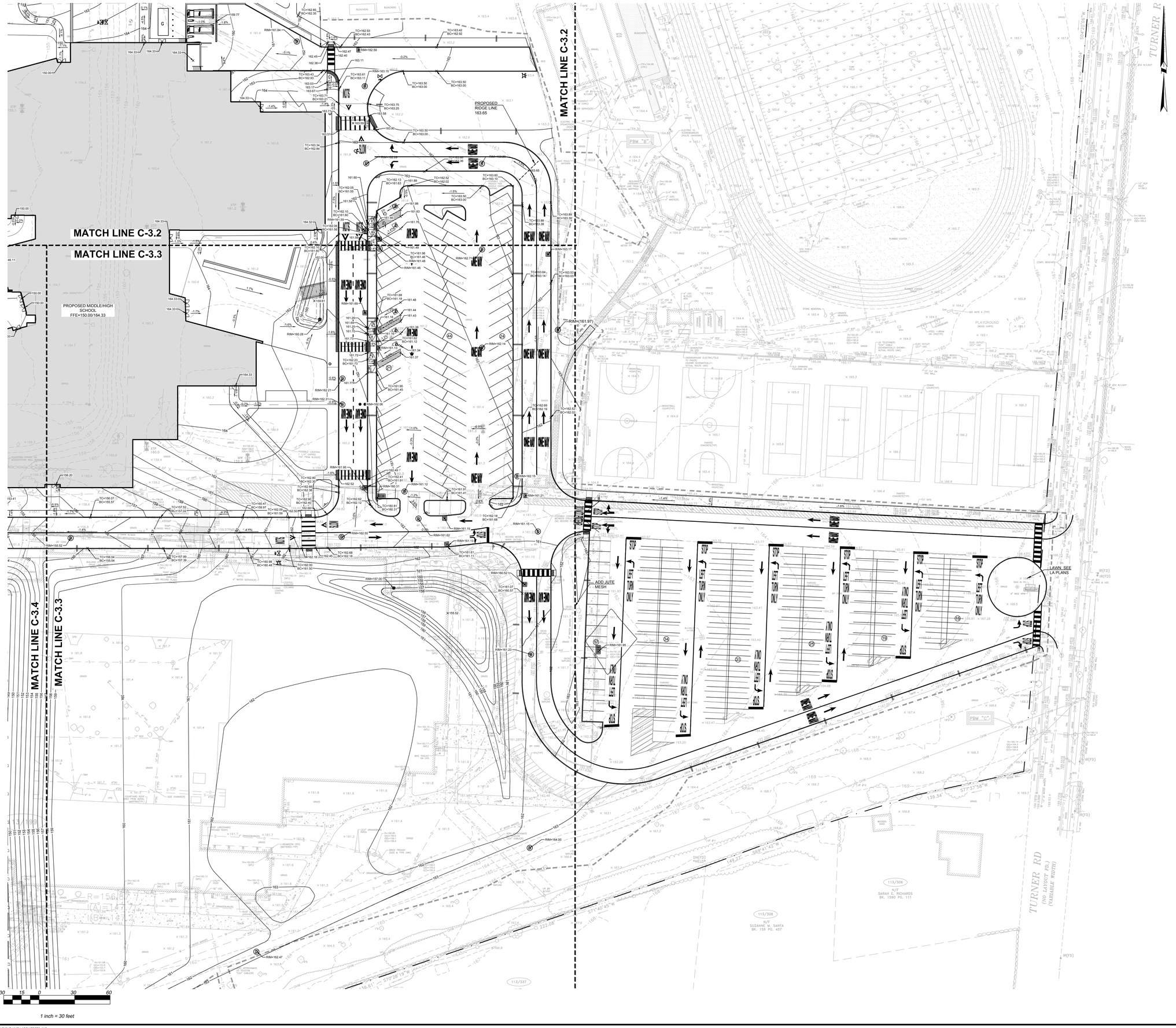

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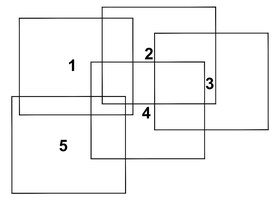

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130 Bishop Allen Drive
Cambridge, MA 02139
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401.831.1240
www.dbvw.com

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MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI

Civil Grading Plan

MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION
09/11/2024

STEPHEN R. GARVIN
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SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

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JOB NUMBER 410422

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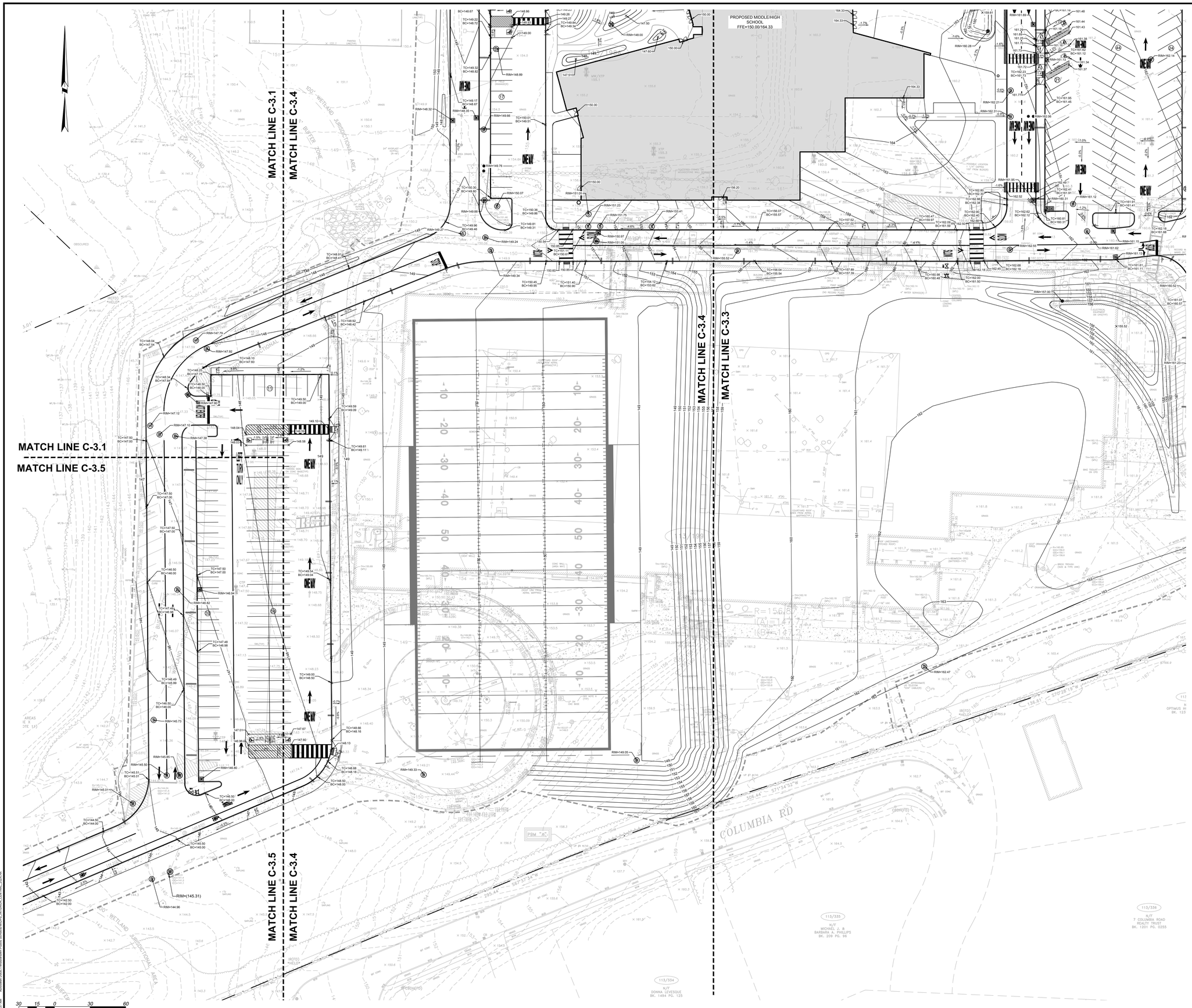

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130	PROPOSED INDEX CONTOUR
130.0 ×	PROPOSED SPOT GRADE
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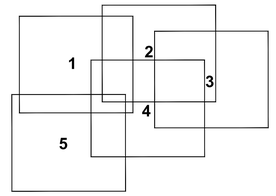

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20 A Street
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MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

STEPHEN R. GARVIN
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REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Grading Plan

SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C
3.4
JOB NUMBER 4104.22

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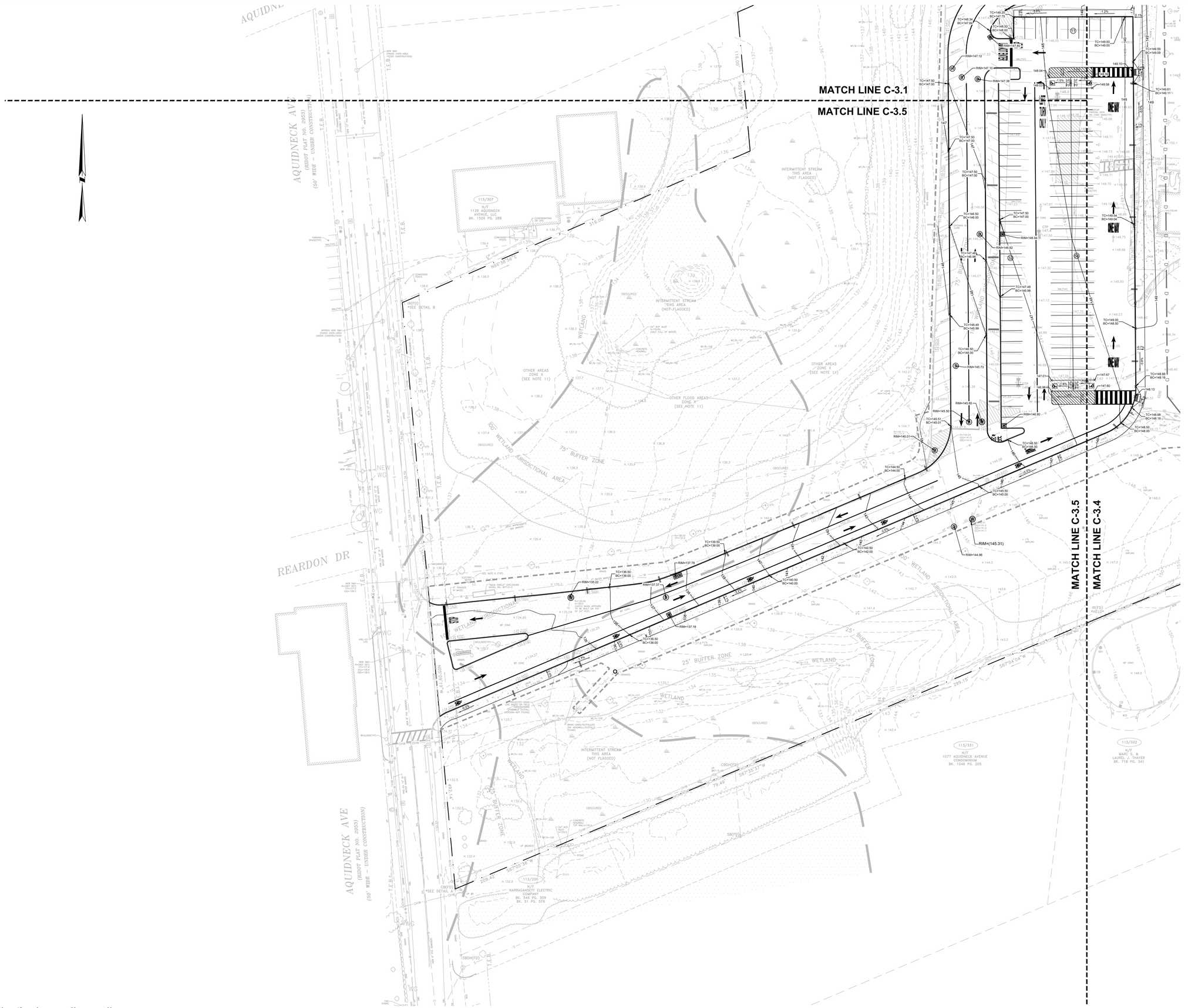

30 15 0 30 60

1 inch = 30 feet

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LEGEND:

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(130.0) ×	EXISTING GRADE TO REMAIN (V.I.F.)
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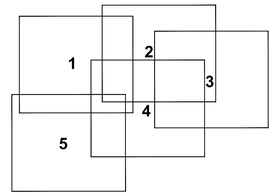

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MAJOR LAND DEVELOPMENT-MASTER PLAN
SUBMISSION
09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Grading Plan

SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DRAWING NUMBER
C
3.5
JOB NUMBER 410422

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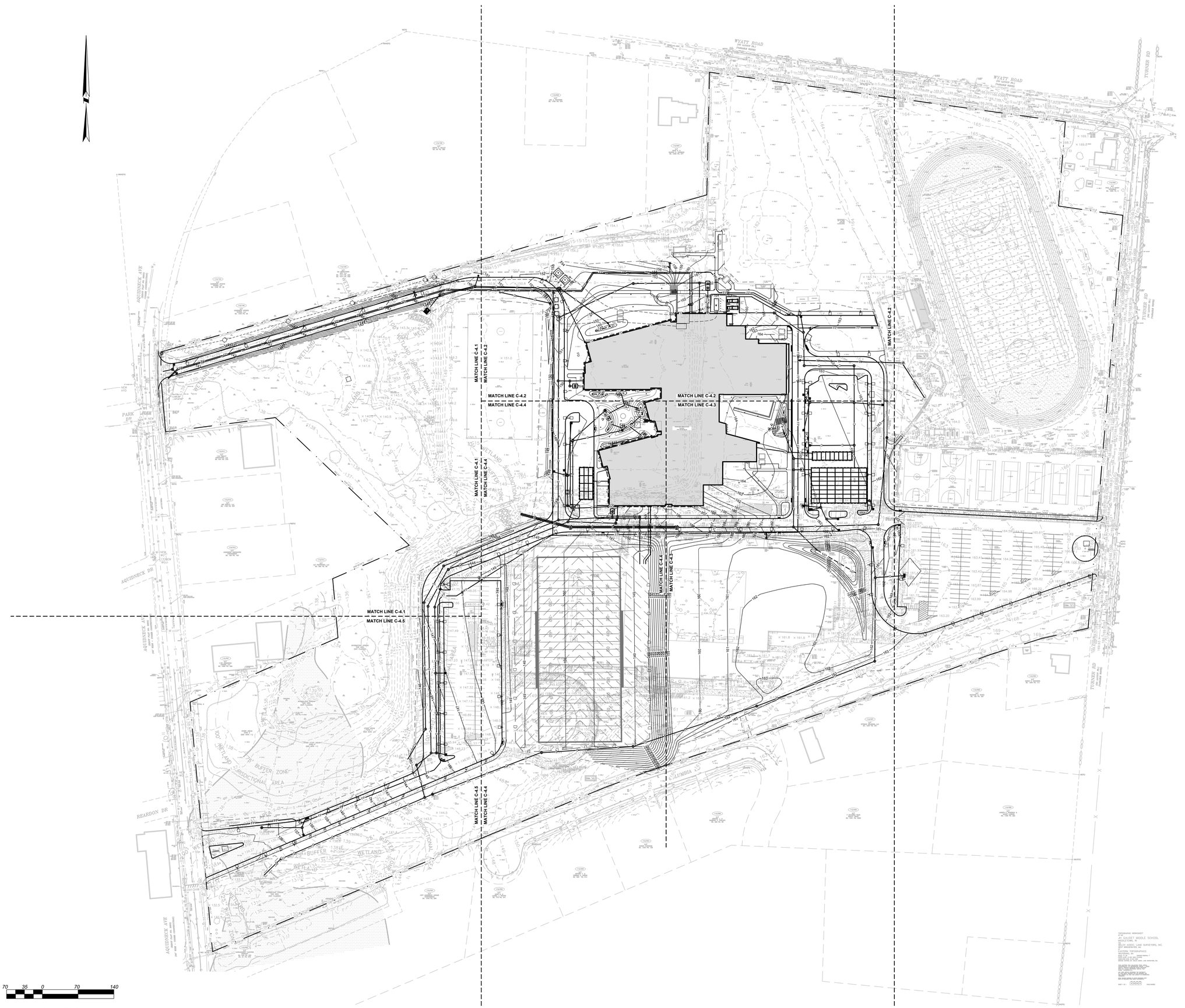

70 35 0 70 140

1 inch = 70 feet

LEGEND:

- W — PROPOSED WATER LINE
- FP — PROPOSED FIRE PROTECTION LINE
- S — PROPOSED SANITARY SEWER LINE
- KW — PROPOSED KITCHEN WASTE LINE
- SW — PROPOSED SCIENCE WASTE LINE
- SMH — PROPOSED SANITARY SEWER MANHOLE
- PROPOSED HYDRANT
- PROPOSED WATER GATE VALVE
- PROPOSED CORPORATION STOP

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130 Bishop Allen Drive
Cambridge, MA 02139
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MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

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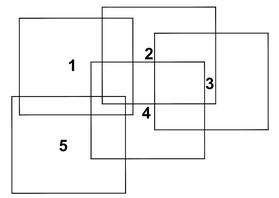
KEYPLAN



DATE	REMARKS

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Utilities Plan-Key Plan

SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

DRAWING NUMBER
C
4.0
JOB NUMBER 410422

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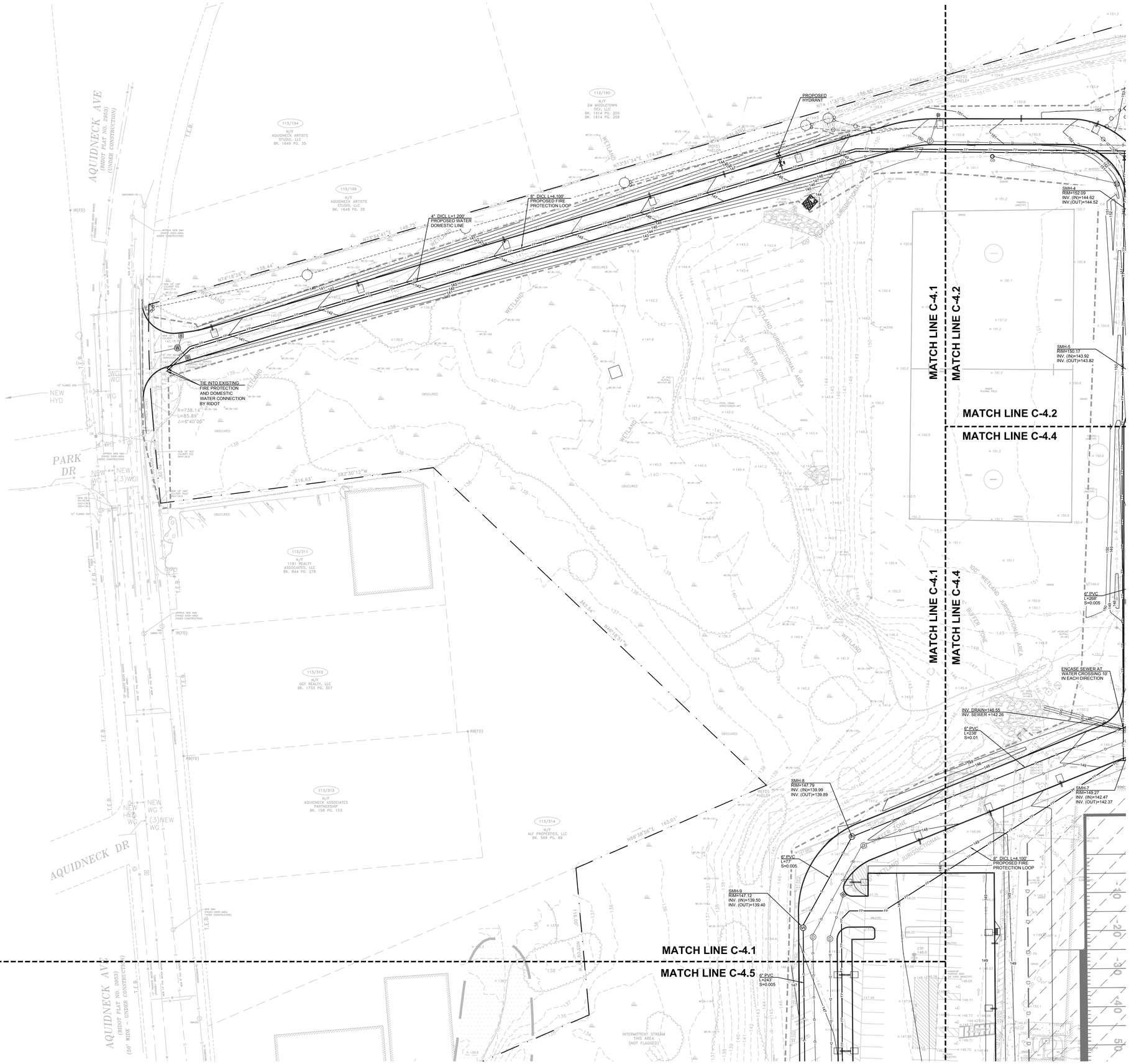

LEGEND:

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- S — PROPOSED SANITARY SEWER LINE
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- SW — PROPOSED SCIENCE WASTE LINE
- SMH — PROPOSED SANITARY SEWER MANHOLE
- PROPOSED HYDRANT
- PROPOSED WATER GATE VALVE
- PROPOSED CORPORATION STOP

30 15 0 30 60

1 inch = 30 feet

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401.831.1240
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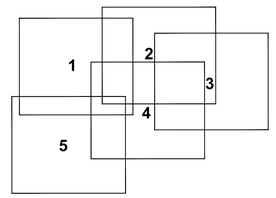

DATE	REMARKS

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Utilities Plan

SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DRAWING NUMBER
C
4.1
JOB NUMBER 410422

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5/21/2024 11:02:37 AM Autodesk Docs://Middletown Public Schools/MIDPS_INTERIOR_CENTRAL_2024.rvt

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1 inch = 30 feet

MATCH LINE C-4.1

MATCH LINE C-4.4

MATCH LINE C-4.2

MATCH LINE C-4.3

MATCH LINE C-4.2

MATCH LINE C-4.1

MATCH LINE C-4.2

MATCH LINE C-4.4

MATCH LINE C-4.3

MATCH LINE C-4.2

MATCH LINE C-4.2

PROPOSED HYDRANT

PROPOSED TRANSFORMER AND GENERATOR. SEE ELECTRICAL PLANS FOR SPECIFICATIONS AND DETAILS.

PROPOSED FIRE PROTECTION LOOP

PROPOSED DOMESTIC WATER

PROPOSED GENERATOR. SEE SPECIFICATIONS AND DETAILS.

PROPOSED MIDDLE/HIGH FFE=150.00/154.33

PROPOSED IRRIGATION

PROPOSED HYDRANT

PROPOSED HYDRANT

EXISTING WETLAND JURISDICTIONAL AREA

100' WETLAND JURISDICTIONAL AREA

50' BUFFER ZONE

EXISTING WETLAND JURISDICTIONAL AREA

EXISTING WETLAND JURISDICTIONAL AREA

EXISTING WETLAND JURISDICTIONAL AREA

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1 inch = 30 feet

MATCH LINE C-4.4

MATCH LINE C-4.3

MATCH LINE C-4.2

MATCH LINE C-4.3

MATCH LINE C-4.2

PROPOSED MIDDLE/HIGH SCHOOL FFE=150.00/164.33

E.P.C. S=1.00

E.P.C. S=0.02

INV.=158.60

E.P.C. S=1.00

E.P.C. WASTE S=0.01

10,000-GALLON GREASE INTERCEPTOR (REF. PLANS) RIM=161.96 INV. (IN)=159.79 INV. (OUT)=157.66

PROPOSED SCIENCE WASTE LINE

PROPOSED KITCHEN WASTE LINE

PROPOSED SANITARY SEWER LINE

PROPOSED FIRE PROTECTION LINE

PROPOSED WATER LINE

PROPOSED SANITARY SEWER MANHOLE

PROPOSED HYDRANT

PROPOSED WATER GATE VALVE

PROPOSED CORPORATION STOP

PROPOSED IRRIGATION LINE

PROPOSED HYDRANT

TURNER RD
(NO LAYOUT RD.)
(VARIABLE WIDTH)

TURNER R

S04°20'06"W 809.04'

S17°57'56"W 139.34'

SUSANNE M. SANTA
BK. 155 PG. 457

SAMUEL D. ROGERS
BK. 1955 PG. 111

LEGEND:

KEYPLAN

1 2 3 4 5

NO.	DATE	REMARKS

DRAWING NUMBER: C-4.3

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI

Civil Utilities Plan

SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

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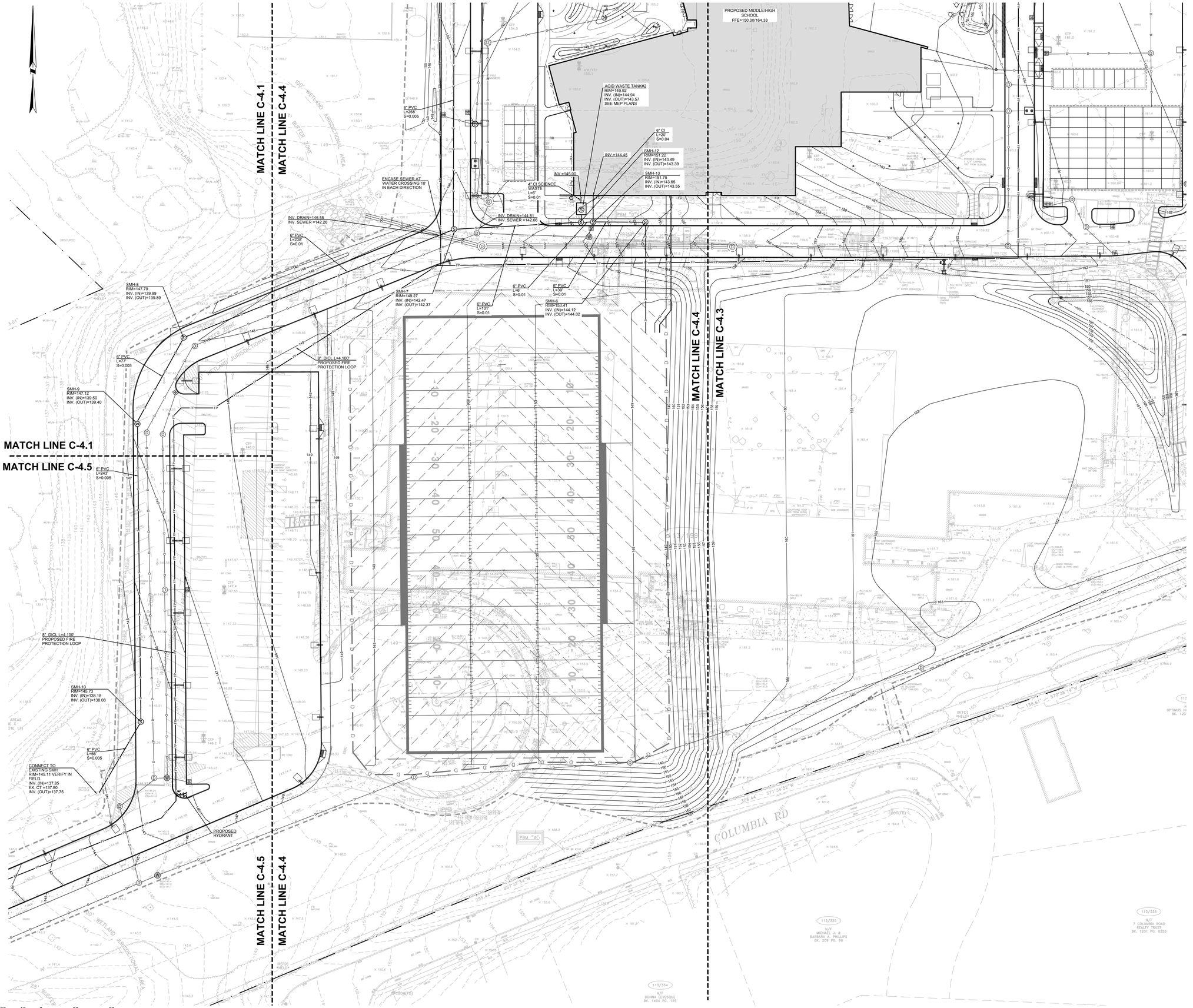

30 15 0 30 60

1 inch = 30 feet

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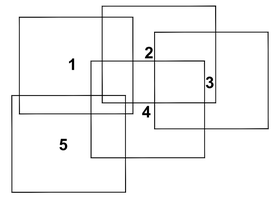
MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

KEYPLAN



MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Utilities Plan

SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C
4.4
JOB NUMBER 410422

5/21/2024 11:03:21 AM Autodesk Docs://Middletown Public Schools MASTER, INTERIOR, DENTAL_2024.rvt

MATCH LINE C-4.1

MATCH LINE C-4.5

MATCH LINE C-4.5

MATCH LINE C-4.4

AQUIDNECK AVE
(RIDOT PLAT NO. 2953)
(50' WIDE - UNDER CONSTRUCTION)

REARDON DR

SMH-9
RIM=147.12
INV. (IN)=139.50
INV. (OUT)=139.40

6" PVC
L=243'
S=0.005

8" DICL L=4.100'
PROPOSED FIRE
PROTECTION LOOP

SMH-10
RIM=145.73
INV. (IN)=138.18
INV. (OUT)=138.08

6" PVC
L=95'
S=0.005

CONNECT TO
EXISTING SMH
RIM=145.11 VERIFY IN
FIELD
INV. (IN)=137.85
EX. CT =137.80
INV. (OUT)=137.75

PROPOSED
HYDRANT

PROPOSED FIRE
PROTECTION LOOP

113/307
N/T
1159 AQUIDNECK
AVENUE, LLC
BK. 1528 PG. 288

113/331
N/T
1077 AQUIDNECK AVENUE
CONDOMINIUM
BK. 1046 PG. 205

113/332
N/T
MARC S. &
LAUREL J. THAYER
BK. 718 PG. 341

113/200
N/T
NARRAGANSETT ELECTRIC
COMPANY
BK. 546 PG. 309
BK. 51 PG. 576

INTERMITTENT STREAM
THIS AREA
(NOT FLAGGED)

WETLAND

OTHER AREAS
ZONE X
(SEE NOTE 11)

OTHER FLOOD AREAS
ZONE X
(SEE NOTE 11)

100' WETLAND JURISDICTIONAL AREA

75' BUFFER ZONE

25' BUFFER ZONE

S67°04'04"W 299.18'

S67°35'37"W 179.49'

S67°35'36"W 209.42'

30 15 0 30 60

1 inch = 30 feet

LEGEND:

- W — PROPOSED WATER LINE
- FP — PROPOSED FIRE PROTECTION LINE
- S — PROPOSED SANITARY SEWER LINE
- KW — PROPOSED KITCHEN WASTE LINE
- SW — PROPOSED SCIENCE WASTE LINE
- SMH — PROPOSED SANITARY SEWER MANHOLE
- PROPOSED HYDRANT
- PROPOSED WATER GATE VALVE
- PROPOSED CORPORATION STOP

KEYPLAN

1 2 3 4 5

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130 Bishop Allen Drive
Cambridge, MA 02139
617.547.5400
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MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Utilities Plan

SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

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STORMWATER LEGEND:

D	PROPOSED STORM DRAINAGE LINE
RD	PROPOSED ROOF DRAIN LINE
UD	PROPOSED UNDERDRAIN LINE
FD	PROPOSED FOUNDATION DRAIN LINE
DMH	PROPOSED STORM DRAINAGE MANHOLE
WQU	PROPOSED WATER QUALITY UNIT
OCS	PROPOSED OUTLET CONTROL STRUCTURE
TD	PROPOSED TRENCH DRAIN
CB	PROPOSED CATCH BASIN
DCB	PROPOSED DOUBLE CATCH BASIN
AD	PROPOSED AREA DRAIN
DS	PROPOSED DOWNSPOUT (DISCHARGE AT GRADE)
DS	PROPOSED PROPOSED ROOF LEADER
CO	PROPOSED CLEANOUT
DR	PROPOSED DRAINAGE BASIN

MATCH LINE C-5.1
MATCH LINE C-5.2
MATCH LINE C-5.3
MATCH LINE C-5.4
MATCH LINE C-5.5

70 35 0 70 140

1 inch = 70 feet

KEYPLAN

1 2 3 4 5

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MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Stormwater Management Plan-Key Plan
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

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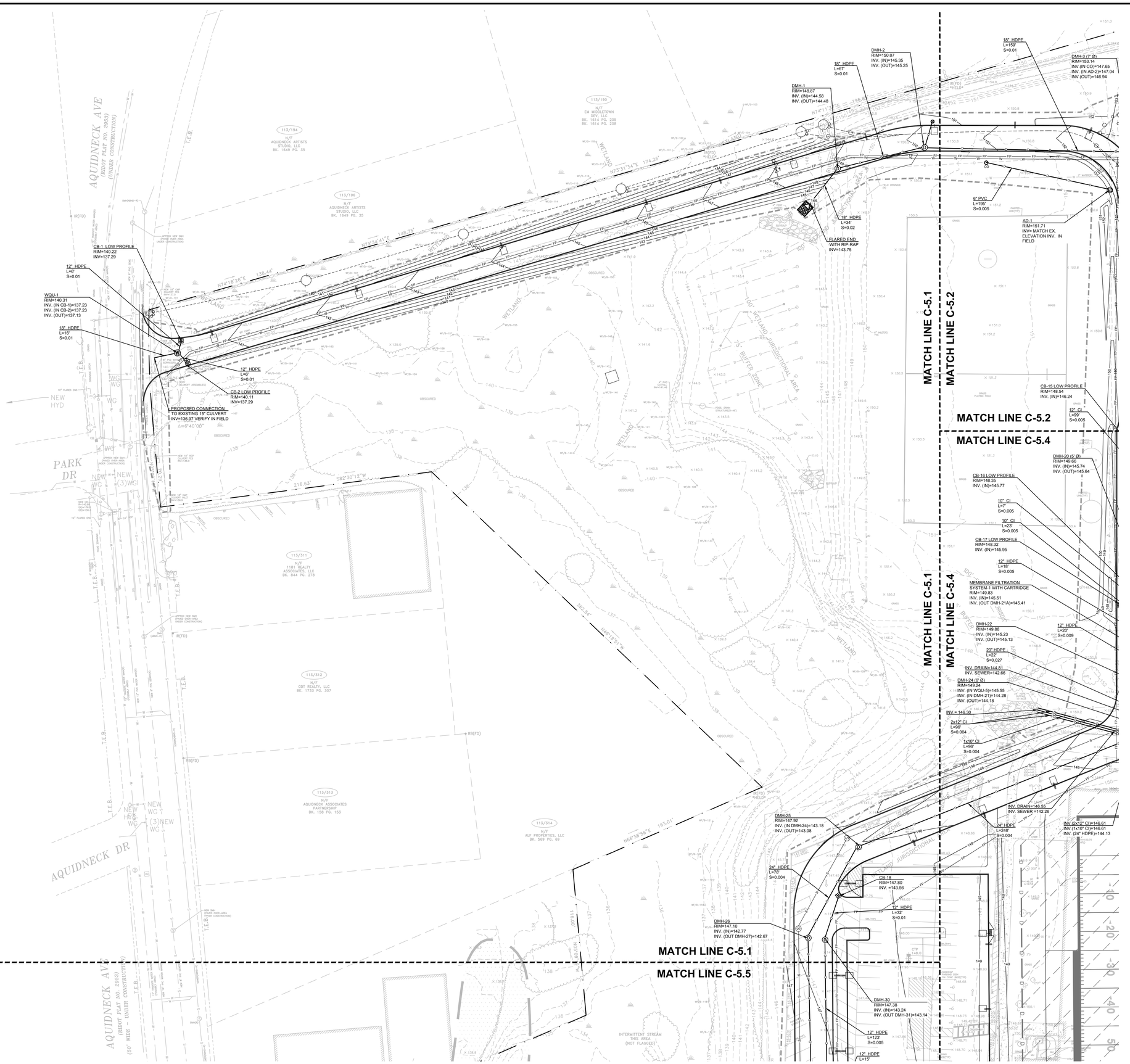
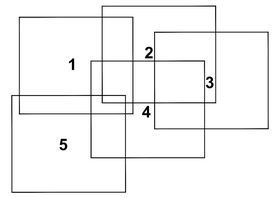


STORMWATER LEGEND:

- D — PROPOSED STORM DRAINAGE LINE
- RD — PROPOSED ROOF DRAIN LINE
- UD — PROPOSED UNDERDRAIN LINE
- FD — PROPOSED FOUNDATION DRAIN LINE
- DMH — PROPOSED STORM DRAINAGE MANHOLE
- WQU — PROPOSED WATER QUALITY UNIT
- OCS — PROPOSED OUTLET CONTROL STRUCTURE
- TD — PROPOSED TRENCH DRAIN
- CB — PROPOSED CATCH BASIN
- DCB — PROPOSED DOUBLE CATCH BASIN
- AD — PROPOSED AREA DRAIN
- DS — PROPOSED DOWNSPOUT (DISCHARGE AT GRADE)
- DS — PROPOSED PROPOSED ROOF LEADER
- CO — PROPOSED CLEANOUT
- PD — PROPOSED DRAINAGE BASIN

KEYPLAN



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Middletown, RI
Stormwater Management Plan
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D	PROPOSED STORM DRAINAGE LINE
RD	PROPOSED ROOF DRAIN LINE
UD	PROPOSED UNDERDRAIN LINE
FD	PROPOSED FOUNDATION DRAIN LINE
DMH	PROPOSED STORM DRAINAGE MANHOLE
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TD	PROPOSED TRENCH DRAIN
CB	PROPOSED CATCH BASIN
DCB	PROPOSED DOUBLE CATCH BASIN
AD	PROPOSED AREA DRAIN
DS	PROPOSED DOWNSPOUT (DISCHARGE AT GRADE)
DS	PROPOSED PROPOSED ROOF LEADER
CO	PROPOSED CLEANOUT
DB	PROPOSED DRAINAGE BASIN

DMH-1
RIM=148.87
INV. (IN)=144.58
INV. (OUT)=144.48

18" HDPE
L=67'
S=0.01

DMH-2
RIM=150.07
INV. (IN)=145.35
INV. (OUT)=145.25

18" HDPE
L=159'
S=0.01

DMH-3 (7' Ø)
RIM=153.14
INV.(IN CO)=147.65
INV. (IN AD-2)=147.04
INV.(OUT)=146.94

18" HDPE
L=34'
S=0.02

FLARED END
WITH RIP-RAP
INV=143.75

6" PVC
L=195'
S=0.005

AD-1
RIM=151.71
INV= MATCH EX. ELEVATION INV. IN FIELD

INV. DRAIN=147.84
INV. SEWER =144.73

AD-2
RIM=148.87
INV=147.50

RAIN GARDEN-1
BOTTOM ELEV = 147.50
(SEE LANDSCAPE PLANS)

8" PVC
L=113'
S=0.004

10" PVC
L=113'
S=0.004

INV=148.10

INV. DRAIN=147.27
INV. SEWER =144.84

INV =147.54

INV =147.50

12" ROOF DRAIN
L=7'
S=0.005

CB-15 LOW PROFILE
RIM=148.54
INV. (IN)=146.24

12" CI
L=99'
S=0.005

6" PVC
L=33'
S=0.00

6" PVC
L=22'
S=0.00

6" PVC
L=21'
S=0.00

AD-3
RIM=148.00
INV=146.07

8" PVC
L=82'
S=0.006

RAIN GARDEN-4
BOTTOM ELEV = 146.11
(SEE LANDSCAPE PLANS)

DTH 23-5
EXISTING GRADE= 154.50
GWT=152.50

6" PVC
L=21'
S=0.00

6" PVC
L=26'
S=0.00

6" PVC
L=21'
S=0.00

DMH-20 (5' Ø)
RIM=149.66
INV. (IN)=145.74
INV. (OUT)=145.64

CB-16 LOW PROFILE
RIM=148.35
INV. (IN)=145.77

10" CI
L=7'
S=0.005

10" CI
L=23'
S=0.005

CB-17 LOW PROFILE
RIM=148.32
INV. (IN)=145.95

12" HDPE
L=18'
S=0.005

DMH-19 (6' Ø)
RIM=148.89
INV. (IN AD-4)=145.67
INV. (IN AD-3)=145.58
INV. (OUT)=145.48

12" PVC
L=126'
S=0.004

6" PVC
L=57'
S=0.00

8" PVC
L=94'
S=0.005

MEMBRANE FILTRATION
SYSTEM-1 WITH CARTRIDGE
RIM=149.83
INV. (IN)=145.51
INV. (OUT DMH-21A)=145.41

DMH-22
RIM=149.88
INV. (IN)=145.23
INV. (OUT)=145.13

20' HDPE
L=22'
S=0.027

INV. DRAIN=144.81
INV. SEWER=142.66

DMH-24 (6' Ø)
RIM=149.24
INV. (IN WQU-5)=145.55
INV. (IN DMH-21)=144.28
INV. (OUT)=144.18

12" HDPE
L=20'
S=0.009

DTH 23-4
EXISTING GRADE= 155.10
GWT=152.10

12" PROPOSED ROOF DRAIN
L=32'
S=0.005

OVERFLOW 6" PVC
L=20'
S=0.005
OVERFLOW 10" PVC
L=20'
S=0.005

INV.=145.40

DMH-21 (6' Ø)
RIM=150.07
INV. (IN OVERFLOW 6")=146.73
INV. (IN FD)=145.40
INV. (IN DMH-22)=145.07
INV. (IN DMH-19)=144.98
INV. (IN OVERFLOW 10")=144.98
INV. (OUT DMH-24)=144.88

8" PVC
L=53'
S=0.04

INV=148.10

CB-14 LOW PROFILE
RIM=150.97
INV.=148.24

18" HDPE
L=6'
S=0.01

INV = 146.30

2x12" CI
L=96'
S=0.004

1x10" CI
L=96'
S=0.004

12" HDPE
L=89'
S=0.029

12" HDPE
L=3'
S=0.01

1x8" CI
L=201'
S=0.006

2x12" CI
L=201'
S=0.006

INV. DRAIN=146.55
INV. SEWER =142.26

24" HDPE
L=248'
S=0.004

INV.(2x12" CI)=146.61
INV.(1x10" CI)=146.61
INV. (24" HDPE)=144.13

DMH-23 (6' Ø) LOW PROFILE
RIM=149.34
INV. (IN)=146.78
INV. (OUT)=146.68

CB-18
RIM=147.80
INV. =143.56

12" HDPE
L=32'
S=0.01

DTH 23-3

TRENCH DRAIN - 1
WITH IN-LINE CATCH BASIN
RIM=159.77
INV=157.12
SUMP=24"

8" PVC
L=65'
S=0.008

DMH-4
RIM=161.84
INV.(IN)=156.60
INV.(OUT)=156.50

12" PVC
L=65'
S=0.004

CB-3
RIM=162.59
INV. =159.13

12" HDPE
L=27'
S=0.02

DMH-5
RIM=163.15
INV.(IN CB-3)=158.59
INV.(IN)=156.20
INV.(OUT)=156.10

90 ° ELBOW
INV.=160.15

INV.=160.45

8" ROOF DRAIN
L=4'
S=0.075

8" ROOF DRAIN
L=212'
S=0.005

AD-6
RIM=160.28
INV=156.69

RAIN GARDEN-2
BOTTOM ELEV. = 159.81
(SEE LANDSCAPE PLANS)

CB-7
RIM=161.69
INV. =158.49

12" HDPE
L=52'
S=0.01

12" PVC
L=50'
S=0.04

10" ROOF DRAIN
L=83'
S=0.014

INV.(8" RD)=159.17
INV.(12" PVC)=155.81

TEE
INV.=159.09

INV.=160.00

12" PROPOSED ROOF DRAIN
L=47'
S=0.01

PROPOSED MIDDLE/HIGH SCHOOL
FFE=150.00/164.33

STORMWATER DETENTION SYSTEM # 2 ST2-SINGLE TRAP (5H)
(12) CHAMBERS
15.4' (L) X 101.7" (W) X 30" (H)
MIN. ELEVATION OVER SYSTEM=149.28
TOP SYSTEM (OUTSIDE)=148.08
INV. (IN- DMH)=145.99
INV. (OUT-6")=146.83
INV.(IN 12" RD)=145.32
INV (OUT-10")=145.08
BOTTOM OF SYSTEM=145.08

DMH-13
RIM=162.21
INV. (IN 4" PVC)=158.65
INV. (IN 6" PVC)=154.69
INV. (OUT)=154.59

DMH-14
RIM=162.31
INV. (IN)=154.41
INV. (IN 15" PVC)=153.68
INV. (OUT)=153.58

12" HDPE
L=30'
S=0.08

CB-10
RIM=161.95
INV.=157.57

15" PVC
L=11'
S=0.005

18" PVC
L=18'
S=0.01

24" HDPE
L=107'
S=0.01

DMH-15
RIM=162.55
INV. (IN AD-5)=153.81
INV. (IN)=152.51
INV. (OUT)=152.41

WQU-5 LOW PROFILE
RIM=151.05
INV. (IN CB-14)=148.21
INV. (OUT)=148.12

DCB-1 LOW PROFILE
RIM=160.31
INV.=157.86

OVERFLOW 15" PVC
L=14'
S=0.01

MEMBRANE FILTRATION
SYSTEM #2
WITH CARTRIDGE
RIM=162.06
INV. (IN)=153.84
INV. (OUT)=153.74

DTH 23-6
EXISTING GRADE= 161.25
GWT=159.25

DMH-16A
RIM=161.12
INV. (IN DCB-1)=157.71
INV. (IN DMH-17)=157.18
INV. (IN CB-10)=155.17
INV. (OUT)=155.07

24" HDPE
L=7'
S=0.01

12" HDPE
L=22'
S=0.01

12" HDPE
L=18'
S=0.03

CB-11
RIM=161.15
INV.=158.03

12" HDPE
L=3'
S=0.07

DMH-16B
RIM=162.15
INV. (IN)=156.83
INV. (OUT)=156.73

12" HDPE
L=14'
S=0.04

CB-9
RIM=161.21
INV.=157.39

DMH-10
RIM=161.15
INV. (IN DMH-9)=156.92
INV. (OUT)=156.82

18" HDPE
L=66'
S=0.004

DMH-6
RIM=162.69
INV.(IN)=155.82
INV.(OUT)=155.72

18" HDPE
L=93'
S=0.004

DMH-7
RIM=163.29
INV. (IN)=155.30
INV. (OUT)=155.20

DMH-7A
RIM=162.71
INV. (IN CB-6)=155.93
INV. (IN DMH-8)=154.89
INV. (IN DMH-7)=154.89
INV. (OUT)=154.79

CB-4
RIM=161.59
INV. =158.39

12" HDPE
L=16'
S=0.01

CB-5
RIM=161.48
INV. =156.17

12" HDPE
L=4'
S=0.09

DMH-8
RIM=161.46
INV. (IN CB-4)=158.23
INV.(IN CB-7)=157.97
INV. (IN CB-5)=155.81
INV. (OUT)=155.71

CB-8
RIM=161.13
INV. =157.75

DTH 23-7
EXISTING GRADE= 161.00
GWT=159.0

OVERFLOW 6" PVC
L=35'
S=0.008
OVERFLOW 4" PVC
L=35'
S=0.01

12" HDPE
L=83'
S=0.04

18" HDPE
L=62'
S=0.01

12" HDPE
L=52'
S=0.07

CB-6
RIM=163.17
INV. =159.57

24" HDPE
L=79'
S=0.004

24" HDPE
L=43'
S=0.007

24" HDPE
L=167'
S=0.014

DMH-16
RIM=162.14
INV. (IN)=154.43
INV. (OUT)=154.33

STORMWATER DETENTION SYSTEM # 1
ST2-SINGLE TRAP (5H)
(9) CHAMBERS
15.4' (L) X 101.7" (W) X 60" (H)
MIN. ELEVATION OVER SYSTEM=161.49
TOP SYSTEM (OUTSIDE)=160.47
INV.(OUT-4" PVC)=159.04
INV. (IN 18" PVC)=158.62
INV. (OUT-6" PVC)=154.97
BOTTOM=154.97

CATCH BASIN TO BE REPLACED WITH DMH-9
RIM=161.97
INV. (IN EX. A,D)=159.40
INV. (OUT)=159.30

STORMWATER DETENTION SYSTEM # 1A ST2-SINGLE TRAP (5H)
(56) CHAMBERS
15.4' (L) X 101.7" (W) X 60" (H)
MIN. ELEVATION OVER SYSTEM=161.40
TOP SYSTEM (OUTSIDE)=159.48
INV. (IN DMH-16B)=156.52
INV. (IN DMH-16A)=155.00
INV. (IN DMH-16)=154.02
INV. (OUT-15")=153.98
BOTTOM OF SYSTEM=153.98

DMH-16B
RIM=162.15
INV. (IN)=156.83
INV. (OUT)=156.73

12" HDPE
L=14'
S=0.04

CB-9
RIM=161.21
INV.=157.39

DMH-10
RIM=161.15
INV. (IN DMH-9)=156.92
INV. (OUT)=156.82

REPLACE EX. CB WITH
RIM=161.23
INV. (IN DCB-5)=157.80
INV. (IN CB-6)=156.86
INV. (OUT DMH-12)=156

12" HDPE
L=50'
S=0.01

18" HDPE
L=53'
S=0.013

RAIN GARDEN-3
BOTTOM ELEV =155.52
(SEE LANDSCAPE PLANS)

30" HDPE
L=225'
S=0.019

DMH-18 (8' Ø)
RIM=155.52
INV. (IN)=148.08
INV. (OUT)=147.98

12" CI
L=15'
S=0.01

12" PVC
L=59'
S=0.01

24" HDPE
L=162'
S=0.027

DMH-17
RIM=161.62
INV. (IN)=157.49
INV. (OUT)=157.39

AD-5
RIM=157.00
INV=154.40

INV.(12" HDPE)=157.83
INV. (24" HDPE)=154.53

12 HDPE
L=29'
S=0.02

CB-12
RIM=161.13
INV.=158.07

CB-13
RIM=160.52
INV.=157.42

MATCH LINE C-5.1
MATCH LINE C-5.2
MATCH LINE C-5.4
MATCH LINE C-5.2
MATCH LINE C-5.2
MATCH LINE C-5.3
MATCH LINE C-5.4
MATCH LINE C-5.3
MATCH LINE C-5.2

30 15 0 30 60

1 inch = 30 feet

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MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Stormwater Management Plan

MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

KEYPLAN

1 2 3 4 5

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5.2
JOB NUMBER 410422

C:\21\21024.11 ED.R17.dwg Autodesk Docs://Middletown Public Schools/MHDRL_INTERIOR_CENTRAL_22for.rvt

MATCH LINE C-5.2

MATCH LINE C-5.3

MATCH LINE C-5.4

MATCH LINE C-5.2

L=65'
S=0.004

INV. =159.13

12" HDPE
L=27'
S=0.02

DMH-5
RIM=163.15
INV.(IN CB-3)=158.59
INV.(IN)=156.20
INV.(OUT)=156.10

18" HDPE
L=61'
S=0.004

18" HDPE
L=93'
S=0.004

DMH-6
RIM=162.69
INV.(IN)=155.82
INV.(OUT)=155.72

DMH-7
RIM=163.29
INV. (IN)=155.30
INV. (OUT)=155.20

18" HDPE
L=68'
S=0.004

90 ° ELBOW
INV.=160.15

INV.=160.45

8" ROOF DRAIN
L=4'
S=0.075

8" ROOF DRAIN
L=212'
S=0.005

CB-7
RIM=161.69
INV. =158.49

12" HDPE
L=52'
S=0.01

AD-6
RIM=160.28
INV=156.69

RAIN GARDEN-2
BOTTOM ELEV.= 159.81
(SEE LANDSCAPE PLANS)

12" PVC
L=50'
S=0.04

CB-4
RIM=161.69
INV. =158.39

12" HDPE
L=16'
S=0.01

CB-5
RIM=161.48
INV. =156.17

12" HDPE
L=4'
S=0.09

18" HDPE
L=62'
S=0.01

DMH-7A
RIM=162.71
INV. (IN CB-6)=155.93
INV. (IN DMH-8)=154.89
INV. (IN DMH-7)=154.89
INV. (OUT)=154.79

12" HDPE
L=52'
S=0.07

CB-6
RIM=163.17
INV. =159.57

DMH-8
RIM=161.46
INV. (IN CB-4)=158.23
INV.(IN CB-7)=157.97
INV. (IN CB-5)=155.81
INV. (OUT)=155.71

24" HDPE
L=79'
S=0.004

DMH-16
RIM=162.14
INV. (IN)=154.43
INV. (OUT)=154.33

STORMWATER DETENTION SYSTEM # 1
ST2-SINGLE TRAP (SH)
(9) CHAMBERS
15.4' (L) X 101.7" (W) X 60" (H)
MIN. ELEVATION OVER SYSTEM=161.49
TOP SYSTEM (OUTSIDE)=160.47
INV.(OUT-4" PVC)=159.04
INV. (IN 18" PVC)=158.62
INV. (OUT-6" PVC)=154.97
BOTTOM=154.97

CATCH BASIN TO BE
REPLACED WITH DMH-9
RIM=161.97
INV. (IN EX. A.D)=159.40
INV. (OUT)=159.30

24" HDPE
L=167'
S=0.014

STORMWATER DETENTION SYSTEM
1A ST2-SINGLE TRAP (SH)
(56) CHAMBERS
15.4' (L) X 101.7" (W) X 60" (H)
MIN. ELEVATION OVER
SYSTEM=161.48
TOP SYSTEM (OUTSIDE)=159.48
INV. (IN DMH-16B)=156.52
INV. (IN DMH-16A)=155.00
INV. (IN DMH-16)=154.02
INV. (OUT-15")=153.98
BOTTOM OF SYSTEM=153.98

DMH-16B
RIM=162.15
INV. (IN)=156.83
INV. (OUT)=156.73

12" HDPE
L=14'
S=0.04

CB-9
RIM=161.21
INV.=157.39

DMH-10
RIM=161.15
INV. (IN DMH-9)=156.92
INV. (OUT)=156.82

6" PVC
L=21'
S=0.00

6" PVC
L=28'
S=0.00

PROPOSED MIDDLE/HIGH SCHOOL
FFE=150.00/164.33

STORMWATER DETENTION
SYSTEM # 2 ST2-SINGLE TRAP (SH)
(12) CHAMBERS
15.4' (L) X 101.7" (W) X 30" (H)
MIN. ELEVATION OVER SYSTEM=149.28
TOP SYSTEM (OUTSIDE)=148.08
INV. (IN -DMH)=145.99
INV. (OUT-6")=146.83
INV.(IN 12" RD)=145.32
INV.(OUT-10")=145.08
BOTTOM OF SYSTEM=145.08

DMH-13
RIM=162.21
INV. (IN 4" PVC)=158.65
INV. (IN 6" PVC)=154.69
INV. (OUT)=154.59

10" ROOF DRAIN
L=63'
S=0.014

INV.(8" RD)=159.17
INV.(12" PVC)=155.81

INV.=160.00

TEE
INV.=159.09

12" PROPOSED ROOF DRAIN
L=32'
S=0.005

DMH-14
RIM=162.31
INV. (IN)=154.41
INV. (IN 15" PVC)=153.68
INV. (OUT)=153.58

15" PVC
L=11'
S=0.005

18" PVC
L=16'
S=0.01

12" PROPOSED ROOF DRAIN
L=47'
S=0.01

OVERFLOW 6" PVC
L=35'
S=0.008
OVERFLOW 4" PVC
L=35'
S=0.01

12" HDPE
L=63'
S=0.04

24" HDPE
L=43'
S=0.007

OVERFLOW 15" PVC
L=14'
S=0.01

24" HDPE
L=107'
S=0.01

12" HDPE
L=30'
S=0.08

CB-10
RIM=161.95
INV.=157.57

MEMBRANE FILTRATION
SYSTEM #2
WITH CARTRIDGE
RIM=162.06
INV. (IN)=153.84
INV. (OUT)=153.74

DMH-16A
RIM=161.12
INV. (IN DCB-1)=157.71
INV. (IN DMH-7)=157.18
INV. (IN CB-10)=155.17
INV. (OUT)=155.07

12" HDPE
L=3'
S=0.07

24" HDPE
L=7'
S=0.01

DMH-15
RIM=162.55
INV. (IN AD-5)=153.81
INV. (IN)=152.51
INV. (OUT)=152.41

WQU-5 LOW PROFILE
RIM=151.05
INV. (IN CB-14)=148.21
INV. (OUT)=148.12

DCB-1 LOW PROFILE
RIM=160.31
INV.=157.86

12" HDPE
L=22'
S=0.01

12" HDPE
L=18'
S=0.03

CB-11
RIM=161.15
INV.=158.03

30" HDPE
L=225'
S=0.019

DMH-18 (E Ø)
RIM=155.52
INV. (IN)=148.08
INV. (OUT)=147.98

RAIN GARDEN-3
BOTTOM ELEV.=155.52
(SEE LANDSCAPE PLANS)

12" HDPE
L=56'
S=0.01

REPLACE EX. CB WITH DMH-11
RIM=161.23
INV. (IN DCB-5)=157.80
INV. (IN CB-6)=156.86
INV. (OUT DMH-12)=156.76

EX. CB-1

12" CI
L=15'
S=0.01

12" PVC
L=50'
S=0.01

24" HDPE
L=162'
S=0.027

DMH-17
RIM=161.62
INV. (IN)=157.49
INV. (OUT)=157.39

REPLACE EX. CB WITH DCB-2
RIM=161.95 VERIFY IN FIELD
INV. (IN EX CB-1)=157.80 VERIFY IN FIELD
INV. (OUT DMH-11)=158.50

18" HDPE
L=55'
S=0.013

AD-5
RIM=157.00
INV=154.40

INV.(12" HDPE)=157.83
INV. (24" HDPE)=154.53

12 HDPE
L=29'
S=0.02

CB-12
RIM=161.13
INV.=158.07

CB-13
RIM=160.52
INV.=157.42

20" HDPE
L=160'
S=0.015

DMH-12
RIM=164.00
INV. (IN)=154.42
INV. (OUT)=154.32

20" PVC
L=243'
S=0.01

DMH-32
RIM=162.47
INV. (IN)=151.89
INV. (OUT)=151.79

DTH 23-7
EXISTING GRADE=
161.00
GWT=159.5

EXISTING GRADE=
161.20
GWT=159.5

TURNER RD
(NO. 1470FT. PO.)
(VARIABLE WIDTH)

113/308
N/F
SARAH E. RICHARDS
BK. 1590 PG. 111

113/308
N/F
SUZANNE M. SANTA
BK. 159 PG. 457

113/337

PBM "B"

PBM "C"

S71°45'58"W
139.34'

S71°45'58"W
260.41'

S71°45'58"W
222.08'

S72°28'19"W
18.61'

30 15 0 30 60

1 inch = 30 feet

STORMWATER LEGEND:

- D — PROPOSED STORM DRAINAGE LINE
- RD — PROPOSED ROOF DRAIN LINE
- UD — PROPOSED UNDERDRAIN LINE
- FD — PROPOSED FOUNDATION DRAIN LINE
- DMH — PROPOSED STORM DRAINAGE MANHOLE
- WQU — PROPOSED WATER QUALITY UNIT
- OCS — PROPOSED OUTLET CONTROL STRUCTURE
- TD — PROPOSED TRENCH DRAIN
- CB — PROPOSED CATCH BASIN
- DCB — PROPOSED DOUBLE CATCH BASIN
- AD — PROPOSED AREA DRAIN
- DS — PROPOSED DOWNSPOUT (DISCHARGE AT GRADE)
- DS — PROPOSED PROPOSED ROOF LEADER
- CO — PROPOSED CLEANOUT
- PD — PROPOSED DRAINAGE BASIN

HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
T 617.547.5230
@HMFHarch hmfh.com

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111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
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Civil Engineers + Land Surveyors
20 A Street
Framingham, MA 01701
T 508.877.6688
F 508.877.8349
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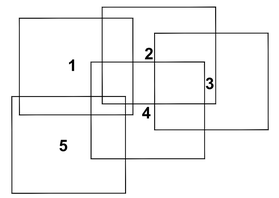
MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

KEYPLAN



MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Stormwater Management Plan

SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C
5.3
JOB NUMBER 410422

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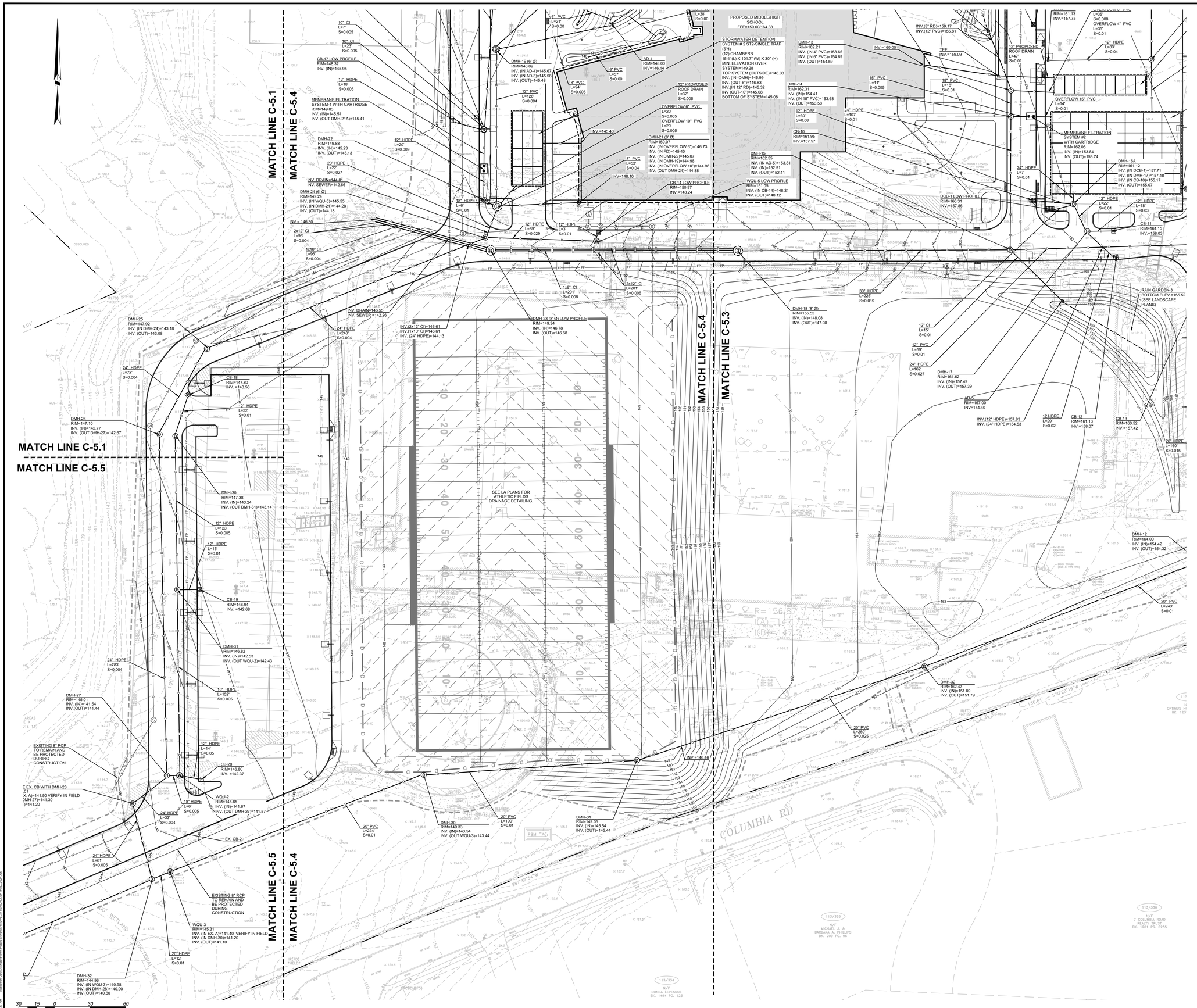
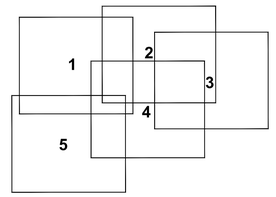


STORMWATER LEGEND:

- PROPOSED STORM DRAINAGE LINE
- PROPOSED ROOF DRAIN LINE
- PROPOSED UNDERDRAIN LINE
- PROPOSED FOUNDATION DRAIN LINE
- PROPOSED STORM DRAINAGE MANHOLE
- PROPOSED WATER QUALITY UNIT
- PROPOSED OUTLET CONTROL STRUCTURE
- PROPOSED TRENCH DRAIN
- PROPOSED CATCH BASIN
- PROPOSED DOUBLE CATCH BASIN
- PROPOSED AREA DRAIN
- PROPOSED DOWNSPOUT (DISCHARGE AT GRADE)
- PROPOSED PROPOSED ROOF LEADER
- PROPOSED CLEANOUT
- PROPOSED DRAINAGE BASIN

KEYPLAN



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STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Stormwater Management Plan

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DATE	REMARKS

DRAWING NUMBER **C 5.4**
JOB NUMBER 410422

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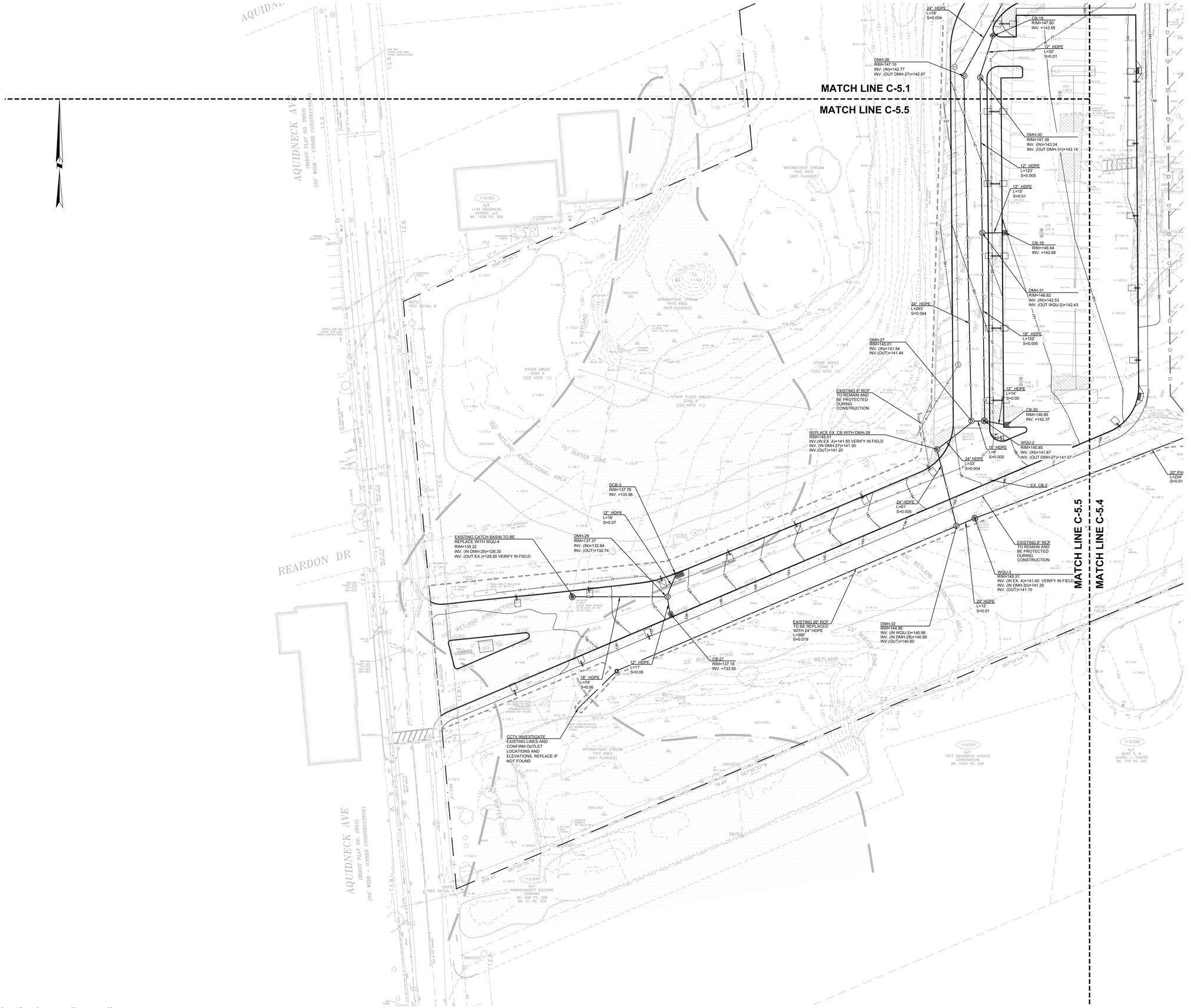

STORMWATER LEGEND:

- D — PROPOSED STORM DRAINAGE LINE
- RD — PROPOSED ROOF DRAIN LINE
- UD — PROPOSED UNDERDRAIN LINE
- FD — PROPOSED FOUNDATION DRAIN LINE
- (D) DMH — PROPOSED STORM DRAINAGE MANHOLE
- (W) WQU — PROPOSED WATER QUALITY UNIT
- (D) OCS — PROPOSED OUTLET CONTROL STRUCTURE
- TD — PROPOSED TRENCH DRAIN
- CB — PROPOSED CATCH BASIN
- DCB — PROPOSED DOUBLE CATCH BASIN
- AD — PROPOSED AREA DRAIN
- DS — PROPOSED DOWNSPOUT (DISCHARGE AT GRADE)
- DS — PROPOSED PROPOSED ROOF LEADER
- CO — PROPOSED CLEANOUT
- PB — PROPOSED DRAINAGE BASIN

30 15 0 30 60

1 inch = 30 feet

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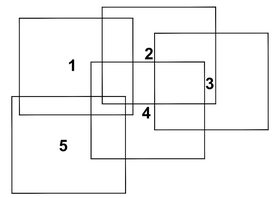
KEYPLAN



MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Stormwater Management Plan

SCALE: AS SHOWN | DRAWN BY: AH | CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C 5.5
JOB NUMBER 410422

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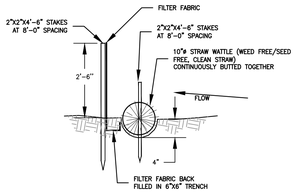
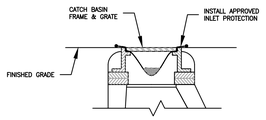
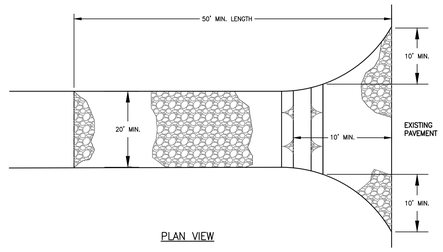
NOTE: ALL WORK SHALL COMPLY WITH THE TOWN OF MIDDLETOWN AND CITY OF NEWPORT WATER DIVISION (NWD) STANDARD SPECIFICATIONS AND GENERAL CONSTRUCTION DETAILS.



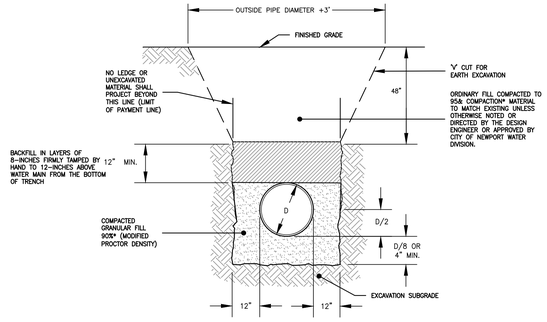
1 SILT FENCE WITH STRAW WATTLE
NTS



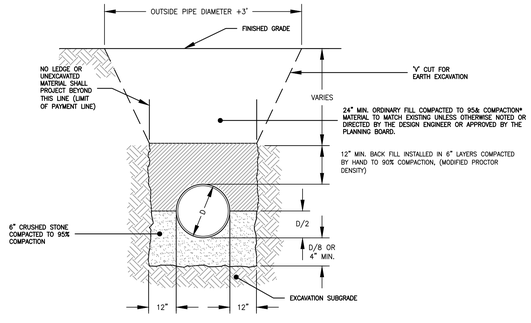
2 CATCH BASIN W/ INLET PROTECTION
NTS



3 STABILIZED CONSTRUCTION ENTRANCE
NTS



4 TRENCH SECTION-D.I.C.L WATER PIPE
NTS



5 TRENCH SECTION - HDPE GRAVITY PIPE
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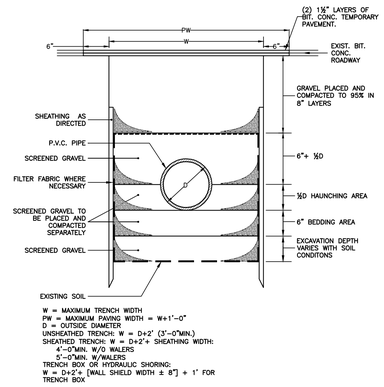

6 TRENCH DETAILS FOR PVC PIPE
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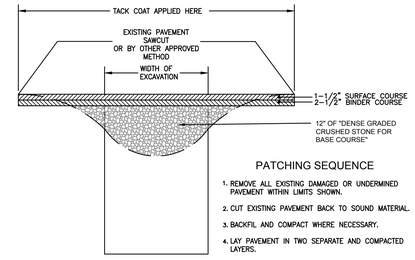

7 TRENCH PATCHING DETAIL
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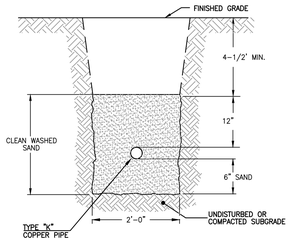

8 COPPER PIPE TRENCH
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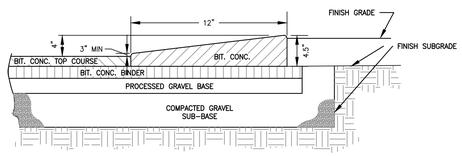
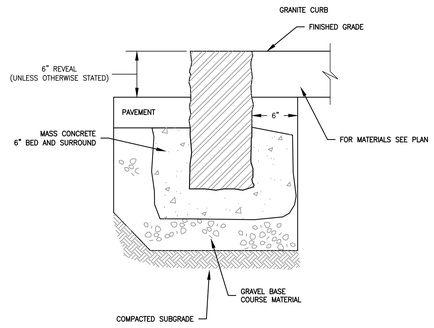
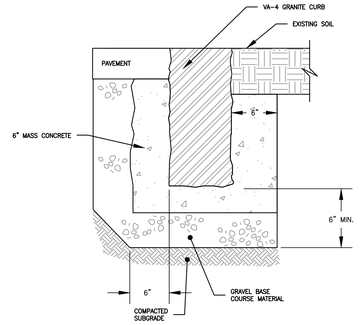


9 BITUMINOUS BERM
NTS



10 VERTICAL GRANITE CURB
NTS



11 FLUSHED GRANITE CURB
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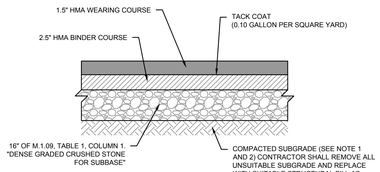
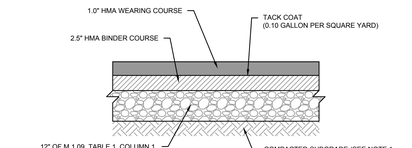


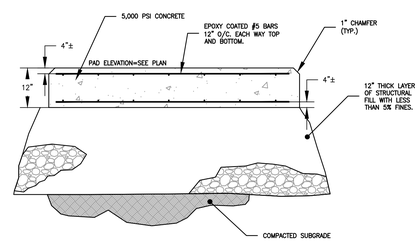
NOTES:
1. SEE GEOTECHNICAL ENGINEERING REPORT AND EARTH MOVING SPECIFICATIONS 312000 FOR SUBGRADE COMPACTION AND PREPARATION REQUIREMENTS.
2. THE TOP 18 INCHES OF EXISTING FILL BENEATH THE BOTTOM OF THE PAVEMENT SHOULD BE REMOVED AND THE EXPOSED SUBGRADE SHOULD BE IMPROVED IN ACCORDANCE WITH EARTH MOVING SPECIFICATIONS (312000) ITEM 3.3-N.

12 HEAVY DUTY ASPHALT PAVEMENT (ROADWAY & DRIVEWAYS)
NTS

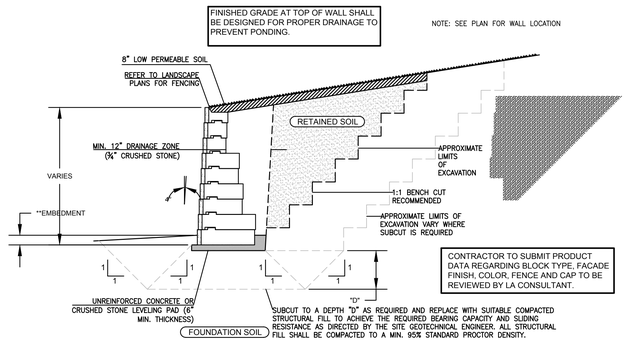


NOTES:
1. SEE GEOTECHNICAL ENGINEERING REPORT AND EARTH MOVING SPECIFICATIONS 312000 FOR SUBGRADE COMPACTION AND PREPARATION REQUIREMENTS.
2. THE TOP 18 INCHES OF EXISTING FILL BENEATH THE BOTTOM OF THE PAVEMENT SHOULD BE REMOVED AND THE EXPOSED SUBGRADE SHOULD BE IMPROVED IN ACCORDANCE WITH EARTH MOVING SPECIFICATIONS (312000) ITEM 3.3-N.

13 ASPHALT PAVEMENT (PARKING AREAS & DRIVE AISLES)
NTS



14 CONCRETE PAD
NTS



15 MODULAR BLOCK RETAINING WALL (BIG BLOCK)
NTS

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130 Bishop Allen Drive
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@HMFHarch hmfh.com

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401.831.1240
www.dbvw.com

Samiotes Consultants Inc.
Civil Engineers + Land Surveyors
20 A Street
Framingham, MA 01701
T 508.877.6688
F 508.877.8349
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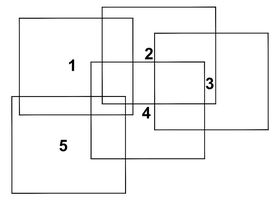
MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

KEYPLAN



MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Details
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER
C 6.0
JOB NUMBER 410422

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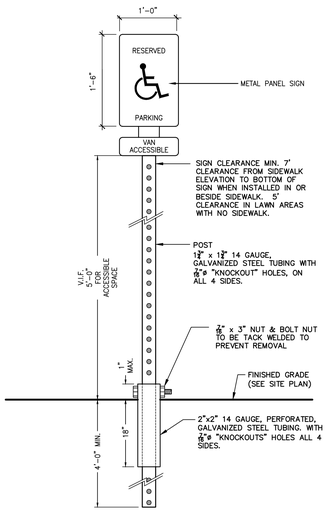
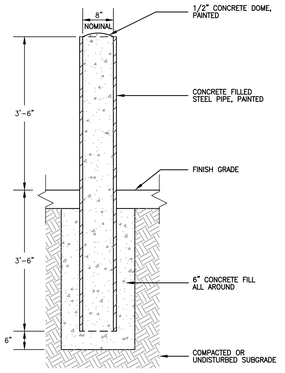
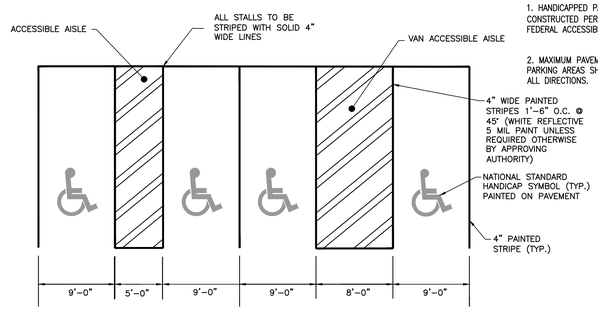
NOTE: ALL WORK SHALL COMPLY WITH THE TOWN OF MIDDLETOWN AND CITY OF NEWPORT WATER DIVISION (NWD) STANDARD SPECIFICATIONS AND GENERAL CONSTRUCTION DETAILS.



1 TELESCOPING-BREAKAWAY TRAFFIC SIGN POST
NTS



2 CONCRETE FILLED STEEL PIPE BOLLARD
NTS

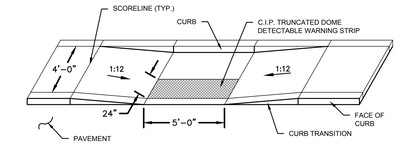


NOTES:

1. HANDICAPPED PARKING AREAS SHALL BE CONSTRUCTED PER LOCAL, STATE AND/OR FEDERAL ACCESSIBILITY REQUIREMENTS.

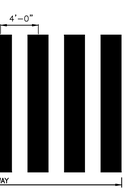
2. MAXIMUM PAVEMENT SLOPES IN ADA PARKING AREAS SHALL NOT EXCEED 2% IN ALL DIRECTIONS.

3 HANDICAP PARKING STALL DETAIL
NTS



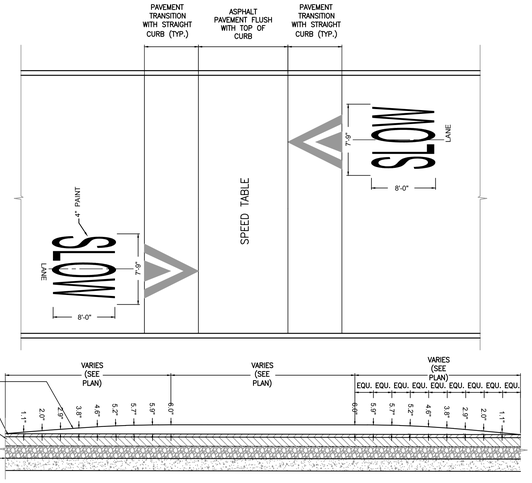
NOTES:
1. RAMP CROSS SECTION TO BE SAME AS ADJ. SIDEWALK; I.E.: DEPTH OF SURFACE AND FOUNDATION.
2. DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY WITH ADA REQUIREMENTS.

4 CONCRETE CUT AND RAMP 'A'
NTS

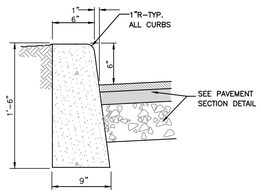


NOTES:
1. PAINT SHALL BE (WHITE) THERMOPLASTIC

5 PEDESTRIAN CROSSWALK DETAIL
NTS



6 SPEED TABLE AND DROP OFF ZONES-PLAN & SECTION DETAIL
NTS

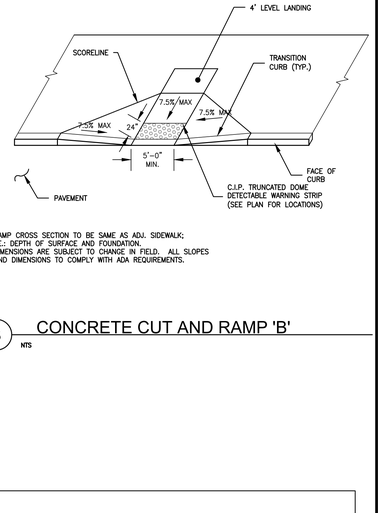


NOTES:
1. CONCRETE SHALL BE 3,000 P.S.I – 2" SLUMP.

2. SIX (6") INCH FACE TO BE PROVIDED ON CURB, UNLESS OTHERWISE NOTED.

3. PROVIDE PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/2" THICK AT 20'-0" INTERVALS (MAX.). PROVIDE DUMMY JOINTS (FORMED) MIDWAY BETWEEN EXPANSION JOINTS.

7 CONCRETE CURB
NTS



NOTES:
1. RAMP CROSS SECTION TO BE SAME AS ADJ. SIDEWALK; I.E.: DEPTH OF SURFACE AND FOUNDATION.
2. DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY WITH ADA REQUIREMENTS.

8 CONCRETE CUT AND RAMP 'B'
NTS

NOTES:
1. CONCRETE SHALL BE 3,000 P.S.I – 2" SLUMP.

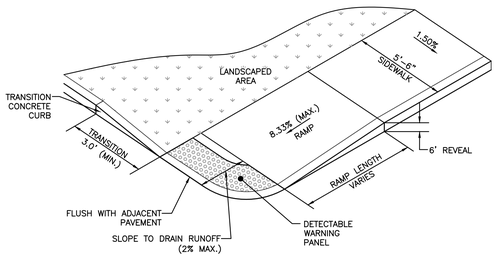
2. SIX (6") INCH FACE TO BE PROVIDED ON CURB, UNLESS OTHERWISE NOTED.

3. PROVIDE PREFORMED BITUMINOUS FIBER EXPANSION JOINTS, 1/2" THICK AT 20'-0" INTERVALS (MAX.). PROVIDE DUMMY JOINTS (FORMED) MIDWAY BETWEEN EXPANSION JOINTS.

11 FLUSHED CONCRETE CURB
NTS

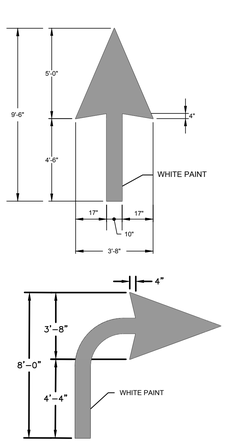
IDENTIF-ICATION NUMBER	SIZE OF SIGN (INCHES) WIDTH	HEIGHT	UNIT AREA SF	TEXT SEE MUTCD 2009 FOR TEXT DIMENSIONS AND COLORS	NUMBER OF SIGNS REQUIRED	AREA IN SQUARE FEET
R1-1	30"	30"	5.18	STOP	7	36.26
R3-5(L)	30"	36"	7.50	ONLY	1	7.50
R3-5(R)	30"	36"	7.50	ONLY	1	7.50
R5-1	30"	30"	6.25	DO NOT ENTER	7	43.75
R6-1(L)	36"	12"	3.00	ONE WAY	3	9.00
R6-1(R)	36"	12"	3.00	ONE WAY	3	9.00
R7-8	12"	18"	1.50	RESERVED PARKING	8	12
R7-8P	18"	9"	1.13	VAN ACCESSIBLE	3	3.39
W11A-2	30"	30"	3.13		6	18.78

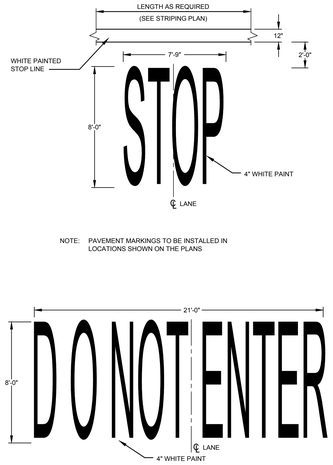
12 TRAFFIC CONTROL SIGNAGE SCHEDULE
NTS



NOTE:
1. SIDEWALK AND RAMP CROSS SLOPES NOT TO EXCEED 2%.
2. RAMP RUNNING SLOPE NOT TO EXCEED 1:12 (8.33%).
3. RAMP CROSS SECTION TO BE SAME AS ADJ. SIDEWALK; IE: DEPTH OF SURFACE AND FOUNDATION.
4. DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY W/ ADA REQUIREMENTS.

9 CONCRETE CUT AND RAMP 'C'
NTS





NOTE: PAVEMENT MARKINGS TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS

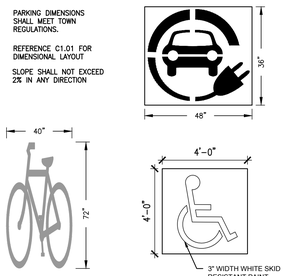
NOTE: PAVEMENT MARKINGS TO BE INSTALLED IN LOCATIONS SHOWN ON THE PLANS

10 PAVEMENT MARKING DETAIL
NTS

PARKING DIMENSIONS SHALL MEET TOWN REGULATIONS.

REFERENCE C1.01 FOR DIMENSIONAL LAYOUT

SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION



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Cambridge, MA 02139
617.547.5525
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20-A Sunset
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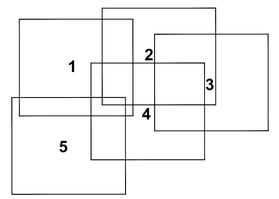

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Details
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

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C
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JOB NUMBER 410422

4/21/2024 11:02:37 AM Autodesk Docs://Middletown Public Schools MSHS_INTERIOR_CENTRAL_22SU.rvt

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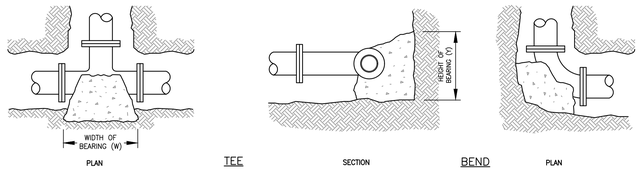
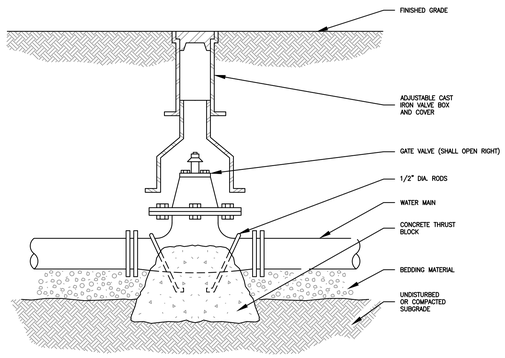


MINIMUM THRUST BLOCK AREA REQUIRED (Y x W)		
PIPE SIZE	WATER PIPE	
	TEE, DEAD END, 90° BEND	45° & 22.5° BENDS
4" OR LESS	3 SQ. FEET	3 SQ. FEET
6"	4 SQ. FEET	3 SQ. FEET
8"	6 SQ. FEET	3 SQ. FEET
10"	9 SQ. FEET	5 SQ. FEET
12"	13 SQ. FEET	7 SQ. FEET
16"	23 SQ. FEET	12 SQ. FEET

1. THRUST BLOCKS TO EXTEND TO UNDISTURBED GROUND.
2. ALL CONCRETE SHALL BE CLASS B.
3. TABLE IS BASED ON 3000 LB./SQ. FT. SOIL. IF SOIL CONDITIONS ARE FOUND TO INDICATE SOIL BEARING LESS, THE AREAS SHALL BE INCREASED ACCORDINGLY.
4. AREAS FOR PIPES GREATER THAN 16" SHALL BE CALCULATED FOR EACH PROJECT.
5. FOR ALL NON BEARING VERTICAL SURFACES.

1 THRUST BLOCKS (WATER SYSTEM)
NTS



2 GATE VALVE AND BOX
NTS

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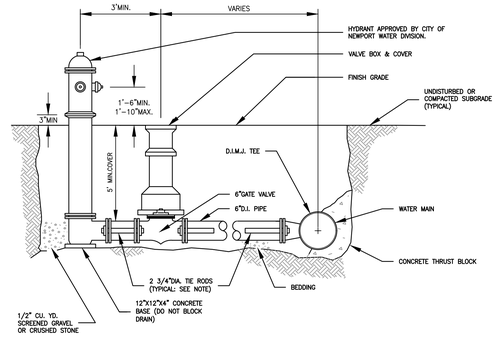
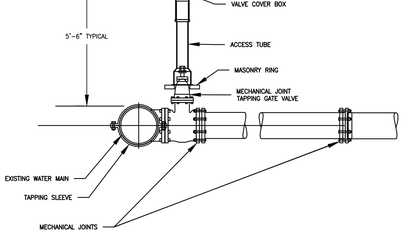
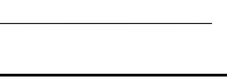


3 HYDRANT
NTS

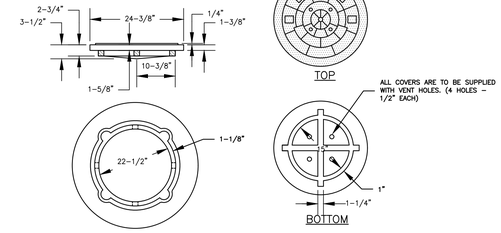
4 MEGALUG DETAIL
NTS



5 WATER PIPE CONNECTION WITH TAPPING SLEEVE
NTS



8 FLARED END SECTION AND RIP RAP DETAIL
NTS



6 MANHOLE FRAME & COVER
NTS

7 PRECAST SANITARY MANHOLE
NTS

8 FLARED END SECTION AND RIP RAP DETAIL
NTS

9 CLEANOUT
NTS

10 CAST IRON DOWNSPOUT BOOT
NTS

11 FOUNDATION UNDERDRAIN
NTS

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130 Bishops Allen Drive
Cambridge, MA 02139
617.547.5700
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STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Details
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

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JOB NUMBER 410422

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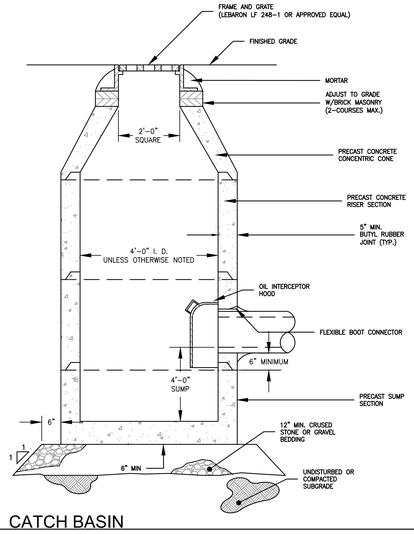
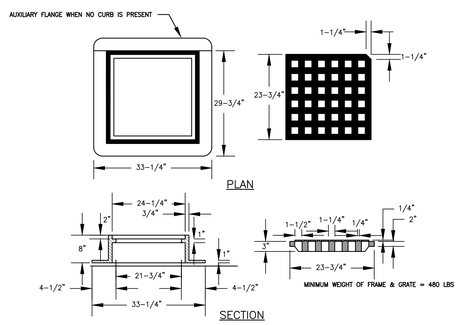
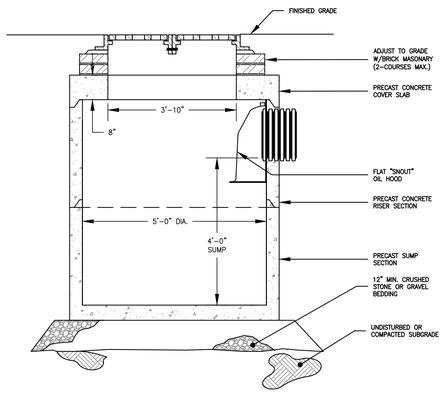


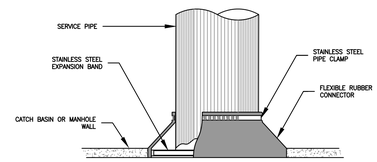
1 CATCH BASIN
NTS



2 CATCH BASIN FRAME & GRATE (SQUARE)
NTS

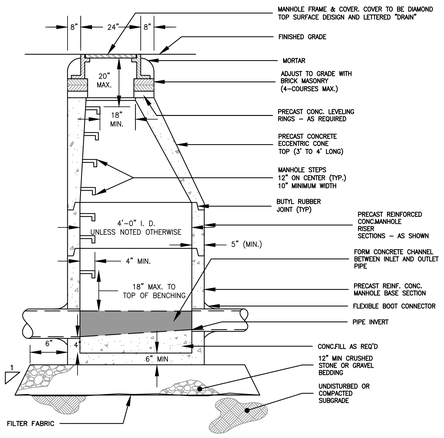


3 DOUBLE CATCH BASIN
NTS

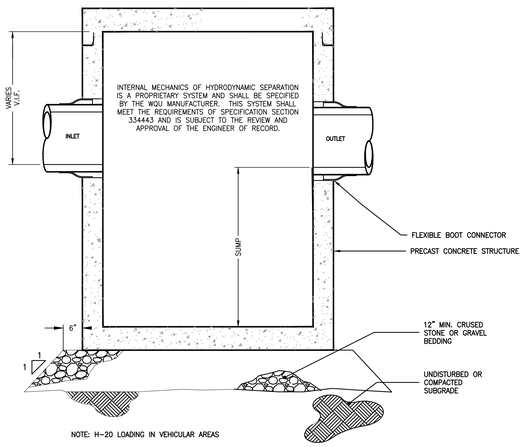


NOTES:
1. OPENING IN CONCRETE WALL SHALL BE CORED USING HIGH SPEED DIAMOND DRILL.
2. ALL METAL FIXTURES SHALL BE OF STAINLESS STEEL.
3. SERVICE LINE SHALL BE FLUSH WITH THE INSIDE OF THE CONCRETE WALL.

4 PIPE CONNECTION TO MANHOLE
NTS

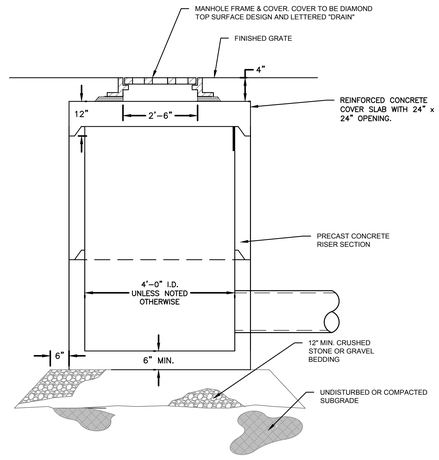


5 PRECAST STORM DRAIN MANHOLE
NTS

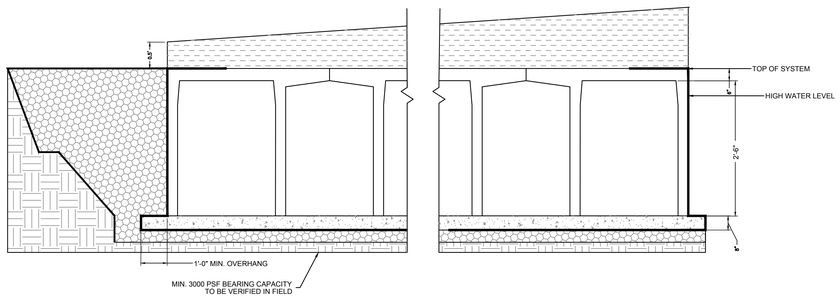


NOTE: H-20 LOADING IN VEHICULAR AREAS

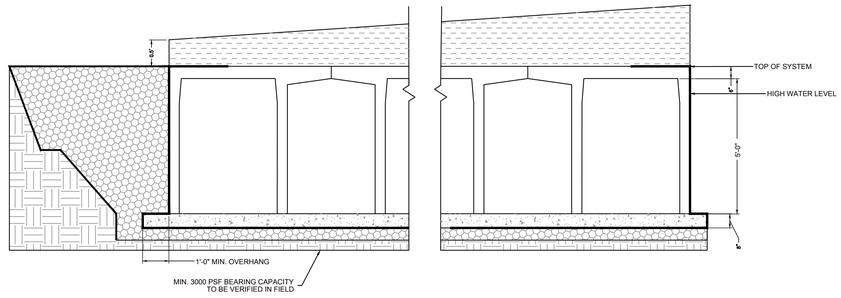
6 WATER QUALITY UNIT
NTS



7 SHALLOW DRAIN MANHOLE
NTS



8 2'-6" HIGH DETENTION SYSTEM 2
NTS



9 5' HIGH DETENTION SYSTEM 1 & 1A
NTS

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Cambridge, MA 02139
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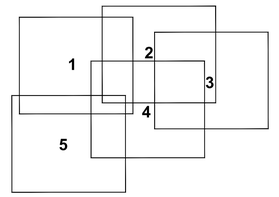

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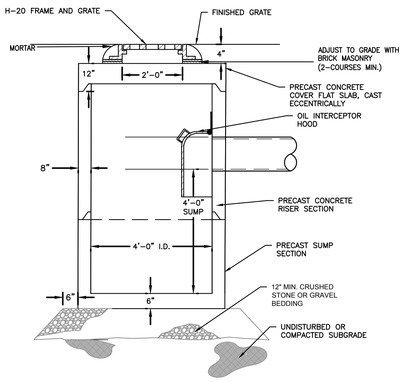
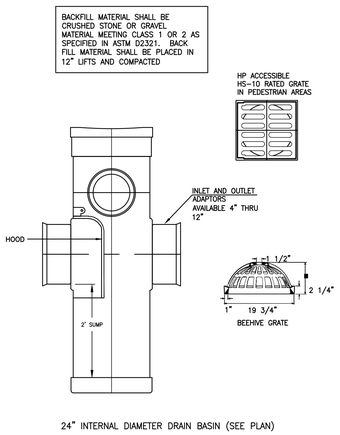
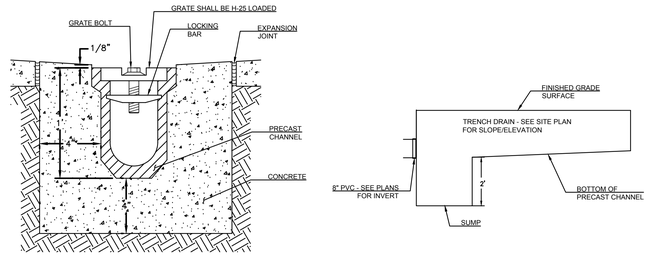


1 CATCH BASIN-LOW PROFILE
NTS

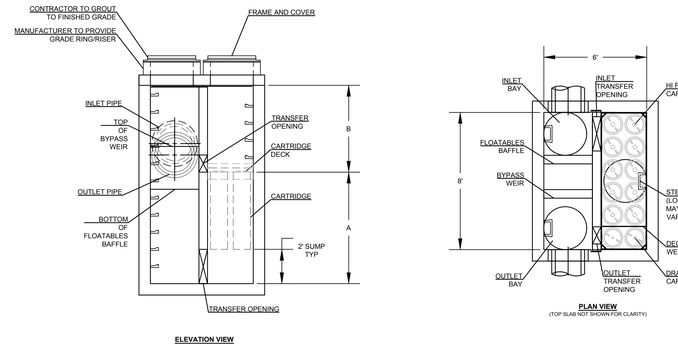


24" INTERNAL DIAMETER DRAIN BASIN (SEE PLAN)

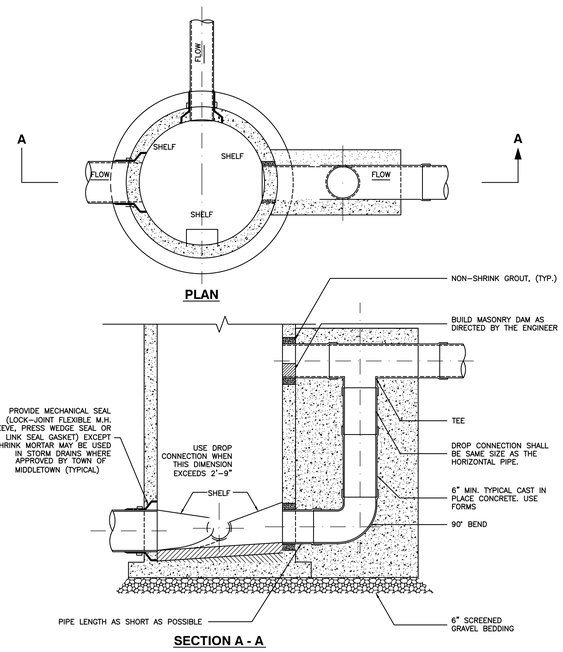
2 HDPE DRAIN BASIN
NTS



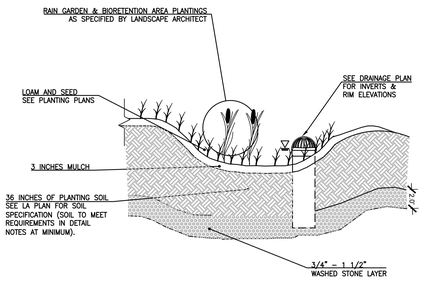
3 TRENCH DRAIN WITH IN-LINE CATCH BASIN
NTS



4 MEMBRANE FILTRATION SYSTEM WITH CARTRIDGE
NTS



5 DROP MANHOLE
NTS



NOTES:
- THE SOIL MIX FOR RAIN GARDENS & BIORETENTION AREAS SHOULD BE A MIXTURE OF SAND, COMPOST, AND SOIL 40% SAND 20-30% TOPSOIL, AND 30-40% COMPOST.
- THE SOIL MIX MUST BE UNIFORM, FREE OS STONE, STUMPS, ROOTS, OR SIMILAR OBJECTS LARGER THAN 2 INCHES, CLAY CONTENT SHOULD NOT EXCEED 5%.
- SOIL PH SHOULD GENERALLY BE BETWEEN 5.5-6.5, A RANGE THAT IS OPTIMAL FOR MICROBIAL ACTIVITY AND ABSORPTION OF NITROGEN, PHOSPHOROUS, AND OTHER POLLUTANTS
- USE SOIL WITH 1.5% TO 3% ORGANIC CONTENT AND THE MAXIMUM 500 PPM SOLUBLE SALTS.
- THE SAND COMPONENT SHOULD BE GRAVELLY SAND THAT MEETS ASTM 0422.

SIEVE SIZE	PERCENT PASSING
2 IN.	100
½ IN.	70-100
⅜ IN.	50-80
NO. 4	15-40
NO. 200	0-3

- THE TOPSOIL COMPONENT SHALL BE A SANDY LOAM, LOAMY SAND, AND LOAM TEXTURE.
- THE COMPOST COMPONENT MUST BE PROCESSED IN ACCORDANCE WITH MASSDEP GUIDELINES. THE COMPOST SHALL NOT CONTAIN BIO-SOLIDS.
-
- ON-SITE SOIL MIXING OR PLACEMENT IS NOTE ALLOWED IF SOIL IS SATURATED OR SUBJECT TO WATER WITHIN 48 HOURS. COVE RAND STORE SOIL TO PREVENT WETTING OR SATURATION,
- IF LEDGE IS ENCOUNTERED, REMOVE LEDGE 2' (OVER-EXCAVATE) BELOW THE BOTTOM OF PLANTING SOIL MEDIUM. BACKFILL WITH A LOAMY SAND SOIL (NRCS HYDROLOGIC SOIL GROUP "A")

6 RAIN GARDEN
NTS

HMFH ARCHITECTS
130 Bishops Allen Drive
Cambridge, MA 02139
617.547.5230
@HMFHarch hmfh.com

DBVW ARCHITECTS
111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

Samiotes Consultants Inc.
Civil Engineers + Land Surveyors
20 A Sunset
Framingham, MA 01701
T 508.877.6688
F 508.877.8349
www.samiotes.com

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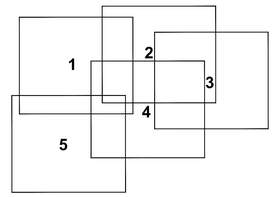
STEPHEN R. GARVIN
No. 5681
REGISTERED PROFESSIONAL ENGINEER

KEYPLAN



MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI
Civil Details
SCALE: AS SHOWN DRAWN BY: AH CHECKED BY: SRG

DATE	REMARKS

DRAWING NUMBER C 6.4
JOB NUMBER 410422

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GENERAL INFORMATION

1. SITE SAFETY AND PEDESTRIAN SAFETY IS OF EXTREME IMPORTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXECUTING THE WORK IN A SAFE MANNER AND WILL BE EXPECTED TO WORK OFF HOURS AS REQUIRED TO ACCOMMODATE CAMPUS ACTIVITIES WHILE MAINTAINING THE PROJECT SCHEDULE.
2. CONTRACTOR TO COORDINATE WITH PUBLIC SAFETY AND PARKING THROUGH THE CONSTRUCTION MANAGER.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL OSHA REGULATIONS, COMPLIANCE IS MANDATORY.
4. SITE FENCING SHALL BE ERECTED AND MAINTAINED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO THE COMMENCEMENT OF WORK.
5. VEHICULAR TRAFFIC OR PARKING OF CONSTRUCTION VEHICLES UNDER THE DRIP LINES (IN OR OUT OF THE CONSTRUCTION LIMITS) OF TREES IS STRICTLY PROHIBITED AND VEHICLES MAY BE TOWED. REFER TO TREE PROTECTION DETAILS AND SPECIFICATIONS.
6. UNFORESEEN CONDITIONS ARE INHERENT TO UNDERGROUND WORK AND ARE TO BE EXPECTED WITH THIS PROJECT. THE CONTRACTOR WILL RESPOND TO UNFORESEEN CONDITIONS AND PROVIDE THE NEEDED MANPOWER AND EQUIPMENT NECESSARY TO COMPLETE THE PROJECT BY THE CONTRACT COMPLETION DATE.
7. STAKING SHALL BE PROVIDED AND PAID FOR BY THE CONTRACTOR. STAKING TO BE PERFORMED BY LICENSED LAND SURVEYOR.
8. SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. SIDEWALKS, PARKING LOTS, ROADWAYS, ETC. SHALL BE KEPT CLEAN AT ALL TIMES.
9. ANY WORK REQUIRED TO COMPLETE THE SCOPE OF THIS PROJECT BUT NOT SET FORTH AS A SPECIFIC BID ITEM, SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE COMPLETION OF THIS WORK.
10. REPAIR OR REPLACE EXISTING FACILITIES (CURBS, PAVEMENT, UTILITIES, ETC.) TO REMAIN, AT NO ADDITIONAL EXPENSE TO THE OWNER.
11. IT IS INTENDED THAT ALL COSTS OF MATERIALS, EQUIPMENT, TOOLS, LABOR AND INCIDENTALS BE PAID FOR UNDER THE ITEMS LISTED ON THE BIDDER'S PROPOSAL. BEFORE SUBMITTING A BID ON THIS PROJECT, THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS, SPECIFICATIONS, SPECIAL PROVISIONS AND THE JOB SITE. IF ANY DISCREPANCIES OR DELETIONS OCCUR IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPORT SAME TO THE OWNERS REPRESENTATIVE IN WRITING AND OBTAIN WRITTEN CLARIFICATION AND/OR INSTRUCTIONS ON HOW TO PROCEED.
12. WORK WHICH DOES NOT CONFORM TO THE REQUIREMENTS OF THE CONTRACT WILL BE CONSIDERED UNACCEPTABLE. UNACCEPTABLE WORK, WHETHER THE RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS OR ANY OTHER CAUSE, FOUND TO EXIST PRIOR TO THE FINAL ACCEPTANCE OF THE WORK, SHALL BE REMOVED AND REPLACED IN AN ACCEPTABLE MANNER, AS REQUIRED BY THE OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE. WORK DONE CONTRARY TO THE INSTRUCTIONS. WORK DONE BEYOND THE LINES SHOWN ON THE PLANS OR ANY EXTRA WORK DONE WITHOUT AUTHORITY WILL NOT BE PAID FOR.
13. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE TOTAL SCOPE OF WORK AND ALL REQUIRED COORDINATION PRIOR TO SUBMITTING THEIR BID PROPOSAL, AND PRIOR TO COMMENCING WORK.
14. THE LOCATIONS OF ALL KNOWN UNDERGROUND UTILITIES ARE NOTED ON THE DRAWINGS. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR, PRIOR TO THE START OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES IN THE FIELD.THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIG SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE EXACT FIELD LOCATION OF UTILITIES. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED, IN WRITING, OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTIONS TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.

MATERIAL NOTES:

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD ANY DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO EXISTING SHALL CONFORM AND BE SMOOTH AND UNIFORM.
3. ALL CHANGES IN SURFACE MATERIALS SHALL NOT HAVE A VERTICAL LEVEL CHANGE EXCEEDING 1/4" ABOVE FINISHED FLOOR OR 1/2" BEVELED WITH A MAXIMUM SLOPE OF 1:2.
4. REFER TO ARCHITECTURAL PLANS FOR ALL BUILDINGS.
5. REFER TO LANDSCAPE PLANS AND DETAILS FOR PLANTING AND PLANTING RELATED AMENITIES.
6. REFER TO CIVIL PLANS FOR INFORMATION REGARDING ROADWAY, CURBS, PAVEMENT STRIPING, TRAFFIC SIGNS, CROSSWALKS, UTILITIES, DRAINAGE, STORMWATER, GRADING, AND PHASING PLANS.
7. REFER TO ELECTRICAL PLANS FOR SITE LIGHTING, POWER AND COMMUNICATIONS INFORMATION SHOWN ON THIS PLAN. SITE LIGHTING IS FOR REFERENCE ONLY.
8. CONTRACTOR IS RESPONSIBLE FOR QUANTITIES OF ALL MATERIALS. ANY DISCREPANCIES BETWEEN PLAN AND SCHEDULE SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.

LAYOUT NOTES:

1. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
2. AUTOCAD PLANS OR ADDITIONAL COORDINATES WILL BE PROVIDED AFTER THE AWARD OF THE BID.

LAYOUT LEGEND:

CENTER LINE (TYPE)

NORTHING/EASTING LAYOUT COORDINATE CALLOUT — N 711146.3001 / E 2734339.8730

NORTHING/EASTING POINT

TYPICAL DIMENSION — 1'-0"

RADII DIMENSION — R4"

PROPOSED ANGLE BETWEEN ELEMENTS — 90°

POINT OF BEGINNING

REFERENCE NOTES SCHEDULE - BASE BID

03 CONCRETE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL	
	03-30-00	Cast-In-Place Concrete Seat Wall	190 lf	5/L3.01	

05 METALS

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL	
	05-50-00	Vehicular Gate	1	/	

13 SPECIAL CONSTRUCTION

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL	
	13-28-16	12' Breakaway Ball Safety netting	120 lf	5/LA3.01	ALTERNATE #108 MULTI-PURPOSE FIELD
	13-28-16B	20' Breakaway Ball Safety Netting	40 lf	5/LA3.01	

32 EXTERIOR IMPROVEMENTS

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL	
	32-12-16	Asphalt for Walkway, See Civil for SPEC	28,837 sf	8/L3.01	
	32-13-13	Concrete Paving	16,795 sf	1/L3.01	QUANTITIES AFFECTED BY ALTERNATE #3
	32-13-13A	Detectable Warning Tiles	462 sf	4/L3.01	
	32-13-14	Exposed Aggregate Concrete Paving	13,676 sf	2/L3.01	QUANTITIES AFFECTED BY ALTERNATE #3
	32-31-13A	6' Chain Link Fence (Yellow HDPE Fence Cap for all athletic field fences)	305 lf	1/L3.03	
	32-31-29	Louvered Fence	191 lf	/	LOUVERED FENCE TO BE PRICED AS CHAIN LINK FENCE WITH PRIVACY SLATS
	32-31-29A	Single Gate	1	/	
	32-33-00A	Bike Rack	23	8/L3.02	ALTERNATE #56 SITE FURNITURE TO BE PRICED AS FF&E
	32-33-00B	Flagpole	2	5/L3.02	
	32-33-00C	Security Bollard	18	2/L3.02	
	32-33-00D	Light Bollard	34		
	32-33-00D	Litter/Recycle Receptacle	4	4/L3.02	
	32-33-00E	Picnic Table	4	6/L3.02	
	32-33-00F	Picnic Table - ADA	2	6/L3.02	
	32-33-00G	Ornamental Bench	15	3/L3.02	
	32-33-00H	Free Form Table	8	7/L3.02	ALTERNATE #56 SITE FURNITURE TO BE PRICED AS FF&E
	32-33-00I	Free Form Bench	2	1/L3.02	
	32-92-23	Sodding for Athletic Fields	107,917 sf	1/LA3.01	ALTERNATE #108 MULTI-PURPOSE FILED
	32-94-50	Landscape Boulder	39	7/L3.01	

33 UTILITIES

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL	
D	33-40-00	Athletic Field Perimeter Drain. See Civil for information and size	967 lf	3/LA3.01	
	33-41-17	2" Sand Channel Drainage System	6,840 lf	2/LA3.01	ALTERNATE #108 MULTI-PURPOSE FILED

REFERENCE NOTES SCHEDULE - ALTERNATE #1

CAST-IN-PLACE CONCRETE DESCRIPTION

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
	03-30-00	Cast-In-Place Concrete Seat Wall	121 lf	5/L3.01

CONCRETE PAVING DESCRIPTION

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
	32-13-13	Concrete Paving	504 sf	1/L3.01
	32-13-14	Exposed Aggregate Concrete Paving	956 sf	2/L3.01

REFERENCE NOTES SCHEDULE - ALTERNATE #3

13 SPECIAL CONSTRUCTION

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
	13-28-16B	20' Breakaway Ball Safety Netting	91 lf	5/LA3.01
	13-28-16C	30' Ht. Pole to Pole Tensioned Backstop Netting with padded Kneewall	90 lf	
	13-34-19	10' x 15' Storage Unit	1	

32 EXTERIOR IMPROVEMENTS

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
	32-12-16	Asphalt for Walkway, See Civil for SPEC	7,678 sf	8/L3.01
	32-18-23	Softball Infield Soil	13,413 sf	1/LA3.02
	32-18-24A	Softball Field Warning Track	4,886 sf	2/LA3.02
	32-31-13A	6' Chain Link Fence (Yellow HDPE Fence Cap for all athletic field fences)	647 lf	1/L3.03
	32-92-23	Sodding for Athletic Fields	23,057 sf	1/LA3.01

33 UTILITIES

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL
D	33-40-00	Athletic Field Perimeter Drain. See Civil for information and size	326 lf	3/LA3.01
	33-41-17	2" Sand Channel Drainage System	1,833 lf	2/LA3.01

GATE

SYMBOL	CODE	DESCRIPTION	QTY
	G-301	5' Access Gate	3
	G-302	10' Doube Swing Gate	2

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130 Bishop Allen Drive Cambridge, MA 02139-1217
617.547.9111 hmfh.com

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401.831.1240 www.dbvw.com

TRAVERSE landscape architects

MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

GENERAL NOTES
SCALE: AS INDICATED
DRAWN BY: FWD
CHECKED BY: S. D'AMBROSIA

DATE	REMARKS

ISSUED FOR: L

0.01

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SEE HARDSCAPE PLAN L 1.21

SEE HARDSCAPE PLAN L 1.22

SEE HARDSCAPE
PLANS L1.22A & L1.22B
FOR ADD ALTERNATES

AREA TO REMAIN AS EXISTING

ALTERNATE #126
SEE CIVIL PLANS FOR BASE BID ITEMS

ALTERNATE #137
BASE BID: LOAM & SEED, GRADING,
AND SIDE WALK ON NORTH SIDE

SEE HARDSCAPE PLAN L 1.23

SEE HARDSCAPE PLAN L 1.23A
FOR ADD ALTERNATE

SEE HARDSCAPE PLAN L 1.25

ALTERNATE #108 MULTI-PURPOSE FIELD
BASE BID:GRADING AS SHOWN, LOAM & SEED

SEE HARDSCAPE
PLAN L 1.24

NORTH

0 70 140 210 280 feet

1" = 70'

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130 Bishop Allen
Cambridge, MA
02139-1217
617.547.5690
hmfh.com

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111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

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MAJOR LAND DEVELOPMENT–MASTER PLAN
SUBMISSION
09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

OVERALL REFERENCE PLAN
SCALE: AS INDICATED
DRAWN BY: DBVW, HMFH & O'SULLIVAN
PM/QC: FWG

DATE	REMARKS

L
1.0

SEE CIVIL PLANS FOR ROADWAY LAYOUT

VEHICULAR LEVEL LIGHTING,
SEE ELECTRICAL SITE PLAN

EDUCATIONAL SIGNAGE

ALTERNATE #126
SEE CIVIL PLANS FOR BASE BID ITEMS

EXISTING FIELD TO BE PROTECTED
FROM WORK IN THIS PROJECT

SEE HARDSCAPE PLAN L1.22

SEE HARDSCAPE PLAN L1.25

SEE HARDSCAPE PLAN L1.24

NORTH

0 30 60 90 120 feet

1" = 30'

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130 Bishop Allen
Cambridge, MA
02139-1217
617.547.5141
hmfh.com

DBVW ARCHITECTS
111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

TRAVERSE
landscape architects
PROVIDENCE, RHODE ISLAND
www.traversela.com

MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

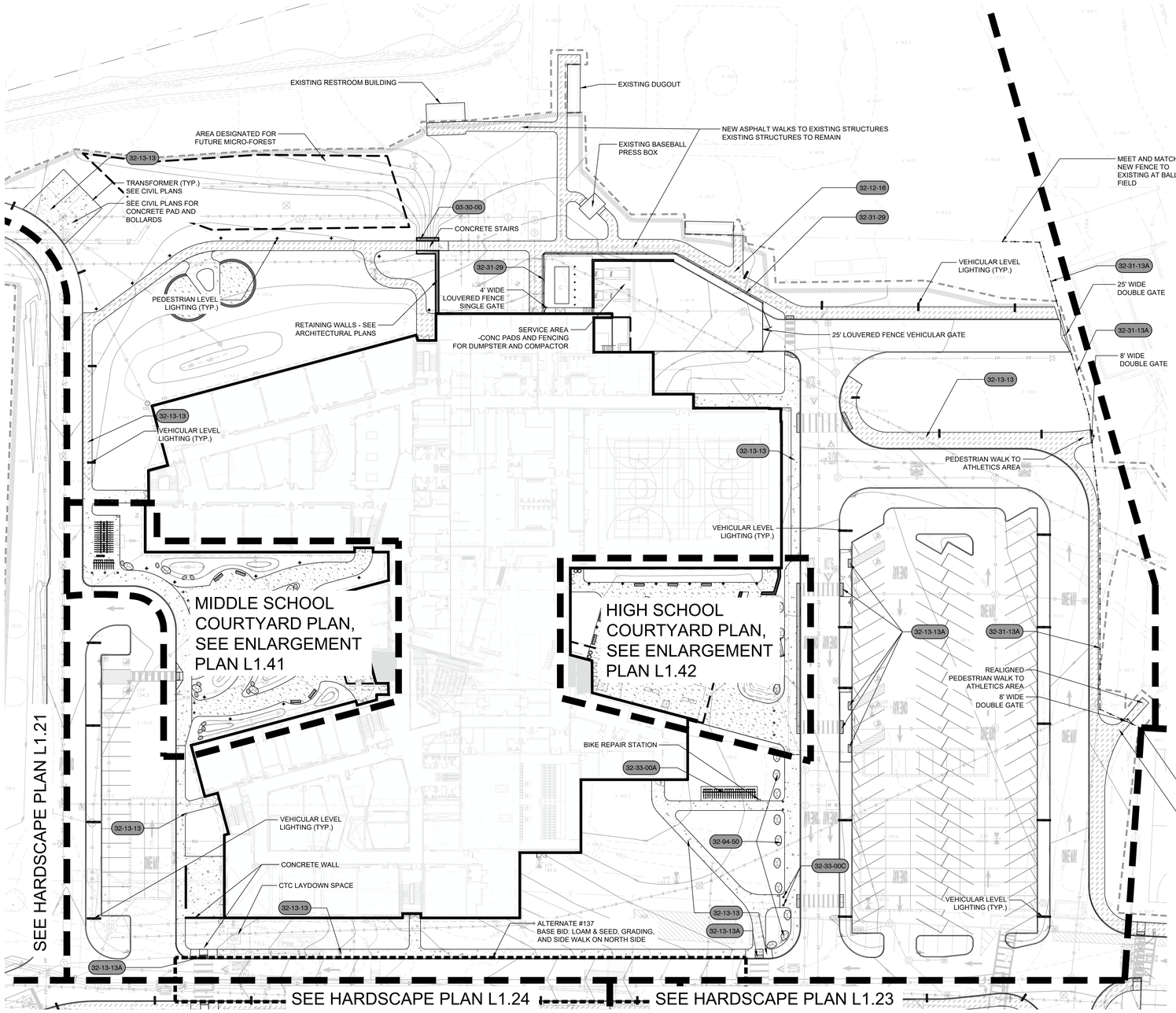
MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

HARDSCAPE PLAN

DRAWN BY: FMH
CHECKED BY: DMARCOUX

DATE	REMARKS

L 1.21



REFERENCE NOTES SCHEDULE L1.22

03 CONCRETE

SYMBOL	CODE	DESCRIPTION	DETAIL	
	03-30-00	Cast-In-Place Concrete Seat Wall	5/L3.01	

32 EXTERIOR IMPROVEMENTS

SYMBOL	CODE	DESCRIPTION	DETAIL	
	32-12-16	Asphalt for Walkway, See Civil for SPEC	8/L3.01	
	32-13-13	Concrete Paving	1/L3.01	ALTERNATE #3 CONCRETE TO BE CHANGED TO ASPHALT FOR WALKWAY
	32-13-13A	Detectable Warning Tiles	4/L3.01	
	32-31-13A	6' Chain Link Fence (Yellow HDPE Fence Cap for all athletic field fences)	1/L3.03	
	32-31-29	Louvered Fence	/	LOUVERED FENCE TO BE PRICED AS CHAIN LINK FENCE WITH PRIVACY SLATS
	32-31-29A	Single Gate	/	
	32-33-00A	Bike Rack	8/L3.02	ALTERNATE #56 SITE FURNITURE TO BE PRICED AS FF&E
	32-33-00C	Security Bollard	2/L3.02	
	32-33-00D	Light Bollard		
	32-94-50	Landscape Boulder	7/L3.01	

NORTH

0 30 60 90 120 feet

1" = 30'

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130 Bishop Allen Drive, MA 02139
617.547.5577 hmfh.com

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111 CHESTNUT STREET PROVIDENCE, RI 02903
401.831.1240 www.dbvw.com

TRAVERSE landscape architects
TRAVERSE LANDSCAPE ARCHITECTS, LLC
Providence, RI
Boston, MA
www.traversela.com

MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

HARDSCAPE PLAN

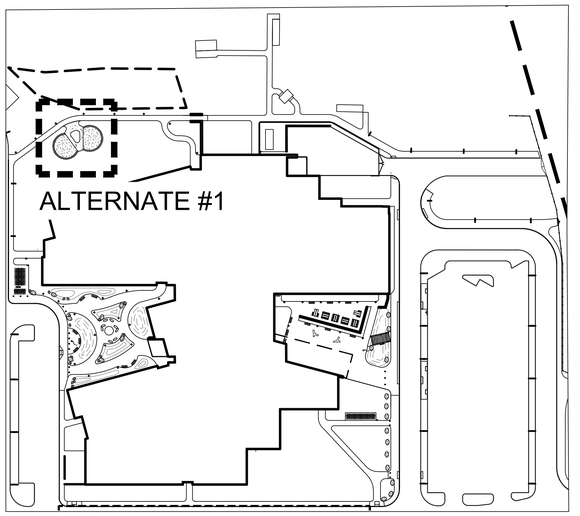
SCALE: AS INDICATED

DESIGNED BY: S. D'AMBROSIA

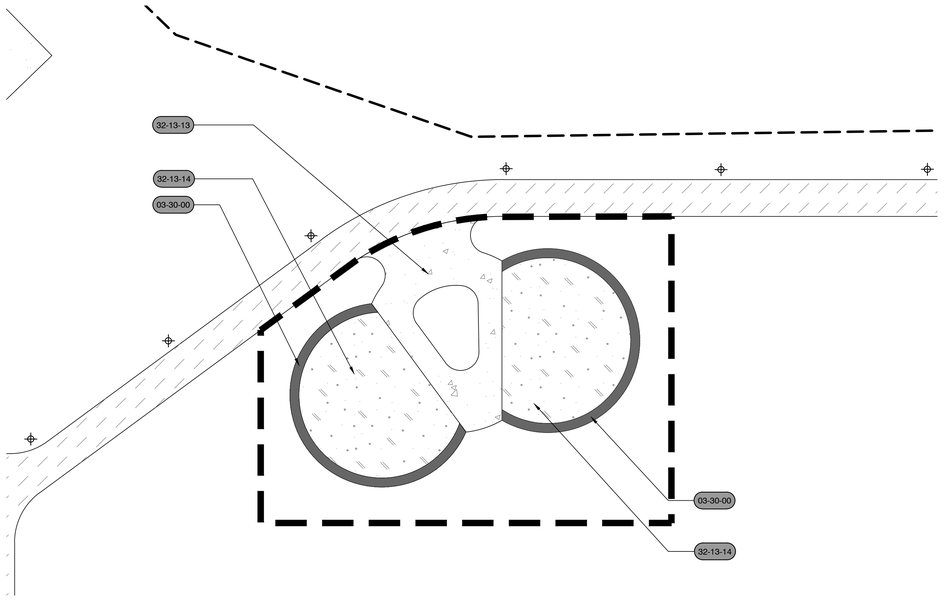
DRAWN BY: Y. FANG

DATE	REMARKS

DRAWING NUMBER
L
1.22
ADD NUMBER



KEY PLAN
NOT TO SCALE



ALTERNATE #1

NORTH

0 10 20 30 40 feet
1" = 10'

REFERENCE NOTES SCHEDULE - ALTERNATE #1

SYMBOL	CAST-IN-PLACE CONCRETE DESCRIPTION	DETAIL
03-30-00	Cast-In-Place Concrete Seat Wall	5/L3.01

SYMBOL	CONCRETE PAVING DESCRIPTION	DETAIL
32-13-13	Concrete Paving	1/L3.01
32-13-14	Exposed Aggregate Concrete Paving	2/L3.01

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Cambridge, MA
02139-3217
617.547.9111
hmfh.com

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111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

TRAVERSE
landscape architects
PO Box 1120
Hingham, MA 02043
www.traversela.com

KEYPLAN

DATE | REMARKS

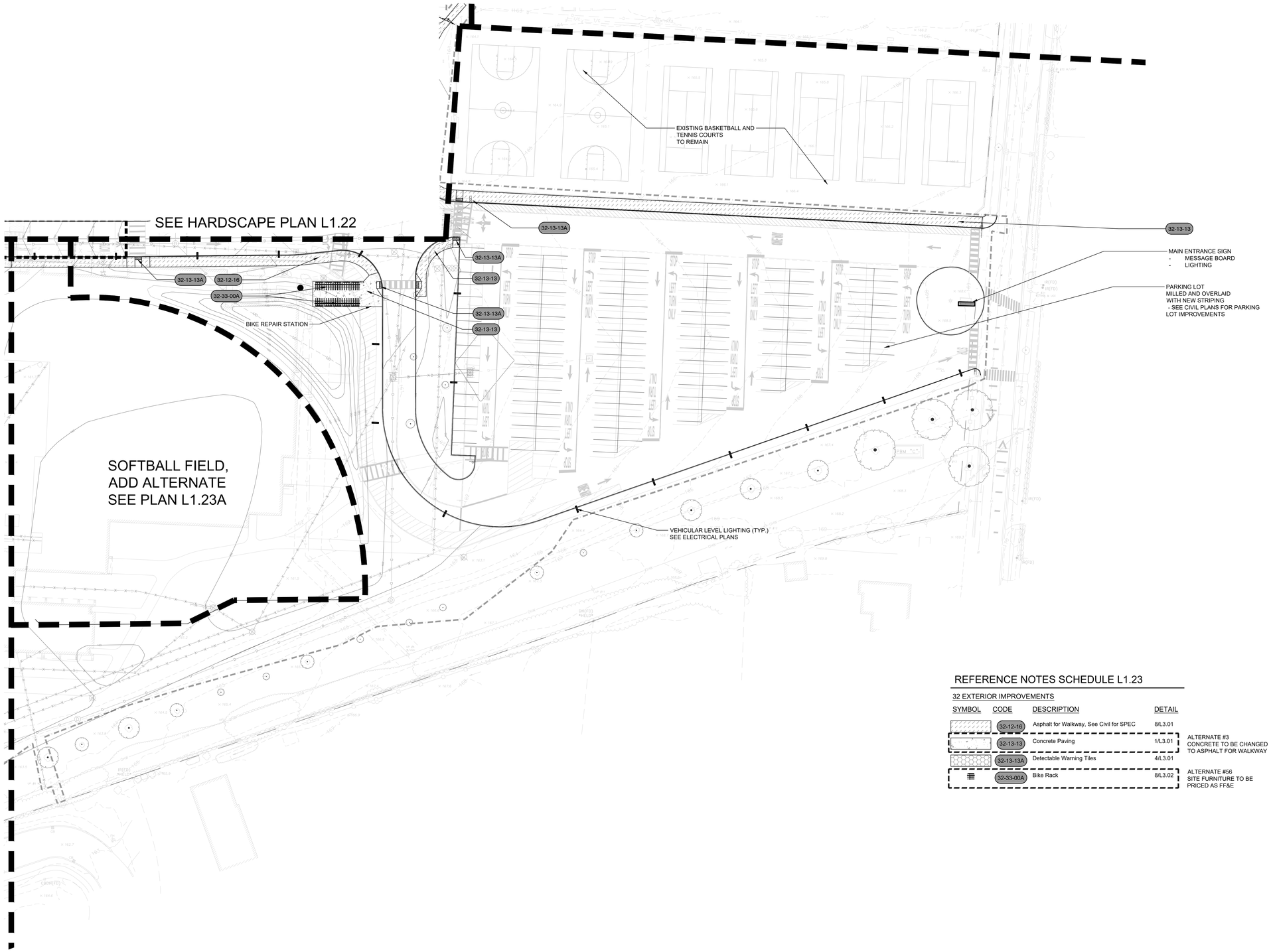
MAJOR LAND DEVELOPMENT–MASTER PLAN
SUBMISSION
09/11/2024

REGISTERED LANDSCAPE ARCHITECT
MICHAEL BROWN
No. 428

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

HARDSCAPE PLAN – ALT#1
OUTDOOR [illegible]

SHEET NUMBER
L
1.22A



REFERENCE NOTES SCHEDULE L1.23

32 EXTERIOR IMPROVEMENTS

SYMBOL	CODE	DESCRIPTION	DETAIL	
	32-12-16	Asphalt for Walkway, See Civil for SPEC	8/L3.01	
	32-13-13	Concrete Paving	1/L3.01	ALTERNATE #3 CONCRETE TO BE CHANGED TO ASPHALT FOR WALKWAY
	32-13-13A	Detectable Warning Tiles	4/L3.01	
	32-33-00A	Bike Rack	8/L3.02	ALTERNATE #56 SITE FURNITURE TO BE PRICED AS FF&E

NORTH

0 30 60 90 120 feet

1" = 30'

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111 CHESTNUT STREET PROVIDENCE, RI 02903
401.831.1240 www.dbvw.com

TRAVERSE landscape architects
Providence, RI 02903
www.traversela.com

MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

REGISTERED LANDSCAPE ARCHITECT JAMES R. BROWN No. 428

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

HARDSCAPE PLAN

SCALE: AS INDICATED
DRAWN BY: FANG
CHECKED BY: D'AMBROSIA

DATE	REMARKS

SHEET NUMBER
L 1.23

JOB NUMBER 2406

SEE HARDSCAPLE PLAN L1.23

ALTERNATE #3

REFERENCE NOTES SCHEDULE - ALTERNATE #3

13 SPECIAL CONSTRUCTION

SYMBOL	CODE	DESCRIPTION	DETAIL
	13-28-16B	20' Breakaway Ball Safety Netting	5/LA3.01
	13-28-16C	30' Ht. Pole to Pole Tensioned Backstop Netting with padded Kneewall	
	13-34-19	10' x 15' Storage Unit	

32 EXTERIOR IMPROVEMENTS

	32-12-16	Asphalt for Walkway, See Civil for SPEC	8/L3.01
	32-18-23	Softball Infield Soil	1/LA3.02
	32-18-24A	Softball Field Warning Track	2/LA3.02
	32-31-13A	6' Chain Link Fence (Yellow HDPE Fence Cap for all athletic field fences)	1/L3.03
	32-92-23	Sodding for Athletic Fields	1/LA3.01

33 UTILITIES

D	33-40-00	Athletic Field Perimeter Drain. See Civil for information and size	3/LA3.01
	33-41-17	2" Sand Channel Drainage System	2/LA3.01

GATE

G-301	5` Access Gate	
G-302	10` Doube Swing Gate	

10X15 STORAGE W/ ROLL UP DOOR

BATTING CAGE

32-18-23

5' WIDE SINGLE GATE

32-31-13A

10' WIDE DOUBLE GATE

32-31-13A

32-31-13A

32-31-13A START

13-28-16B END

5' WIDE 8'ht. SINGLE GATE

13-28-16B

START 13-28-16B

13-28-16C END

SOFTBALL INFIELD LAYOUT 8 LA3.02

TC=157.89
TC=157.39

TC=160.98
BC=160.48

TC=162.00
BC=161.50

2 LA3.03 15' WINGED FOUL POLE (SLEEVED)

3 LA3.03 7.INNING SCOREBOARD

RIM=157.00

162.45

BC=162.18

162.18

5' WIDE SINGLE GATE

2 LA3.03 15' WINGED FOUL POLE (SLEEVED)

32-31-13A

32-31-13A

RIM=164.00

10' WIDE DOUBLE GATE

13-28-16B START

32-31-13A END

32-31-13A

5' SINGLE GATE

32-18-23

32-31-13A

13-28-16C START

13-28-16B END

5' WIDE 8' ht SINGLE GATE

VGC

PCC

PCC

0 10 20 30 40 feet

1" = 10'

NORTH

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401.831.1240
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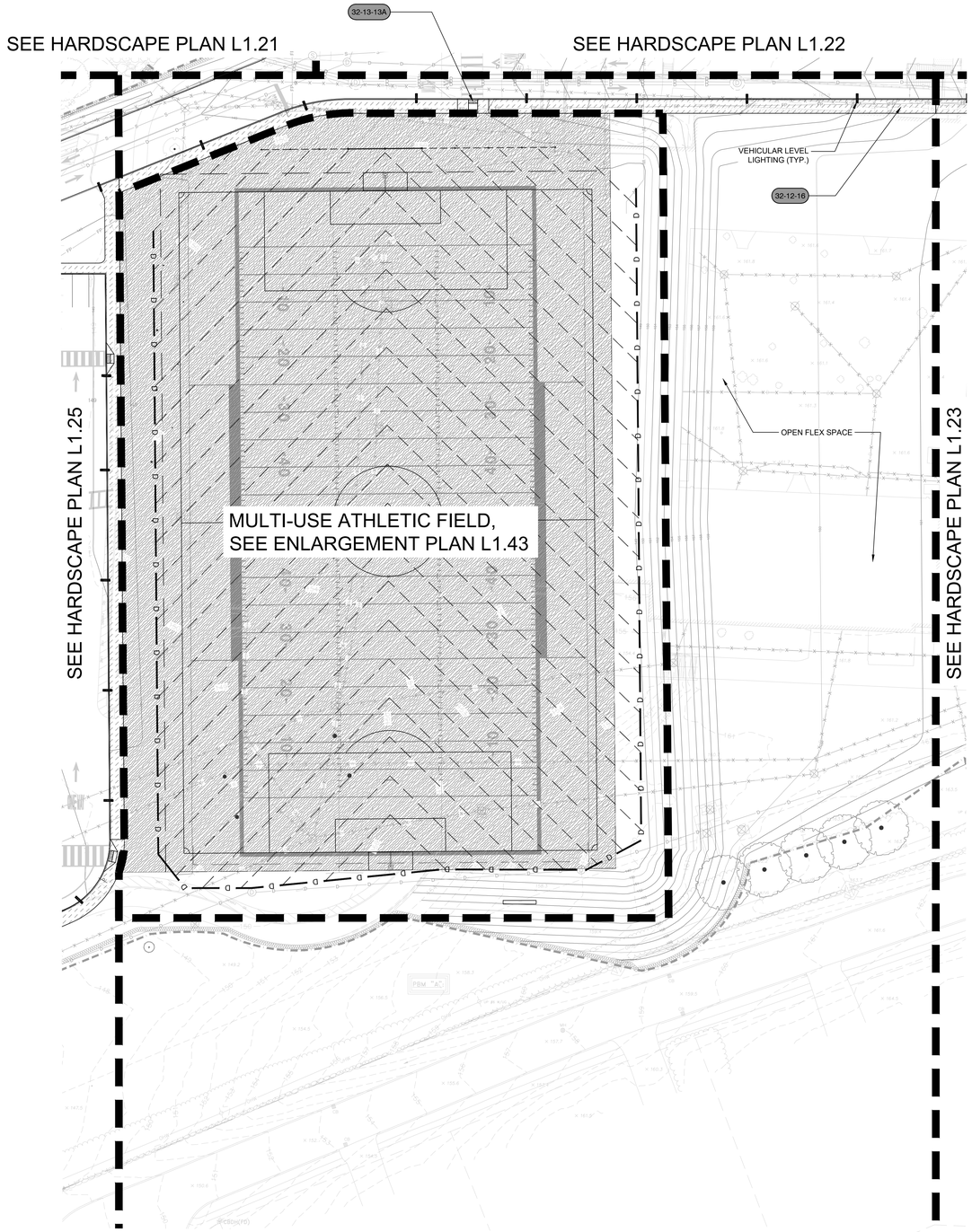
MAJOR LAND DEVELOPMENT-MASTER PLAN
SUBMISSION
09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
HARDSCAPE PLAN - ALT #3
SOFTBALL FIELD & SITE IMPROVEMENTS
CONSTRUCTION

DATE	REMARKS

L
1.23A



REFERENCE NOTES SCHEDULE L1.24

32 EXTERIOR IMPROVEMENTS

SYMBOL	CODE	DESCRIPTION	DETAIL
	32-12-16	Asphalt for Walkway, See Civil for SPEC	8/L3.01
	32-13-13A	Detectable Warning Tiles	4/L3.01

NOTE:
MULTI PURPOSE FIELD IS ALTERNATE # 108.
BASE BID ONLY INCLUDES GRADING AND LOAM & SEED. ALL
OTHER COMPONENTS TO BE INCLUDED IN ALTERNATE PRICING.

NORTH

0 30 60 90 120 feet

1" = 30'

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KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

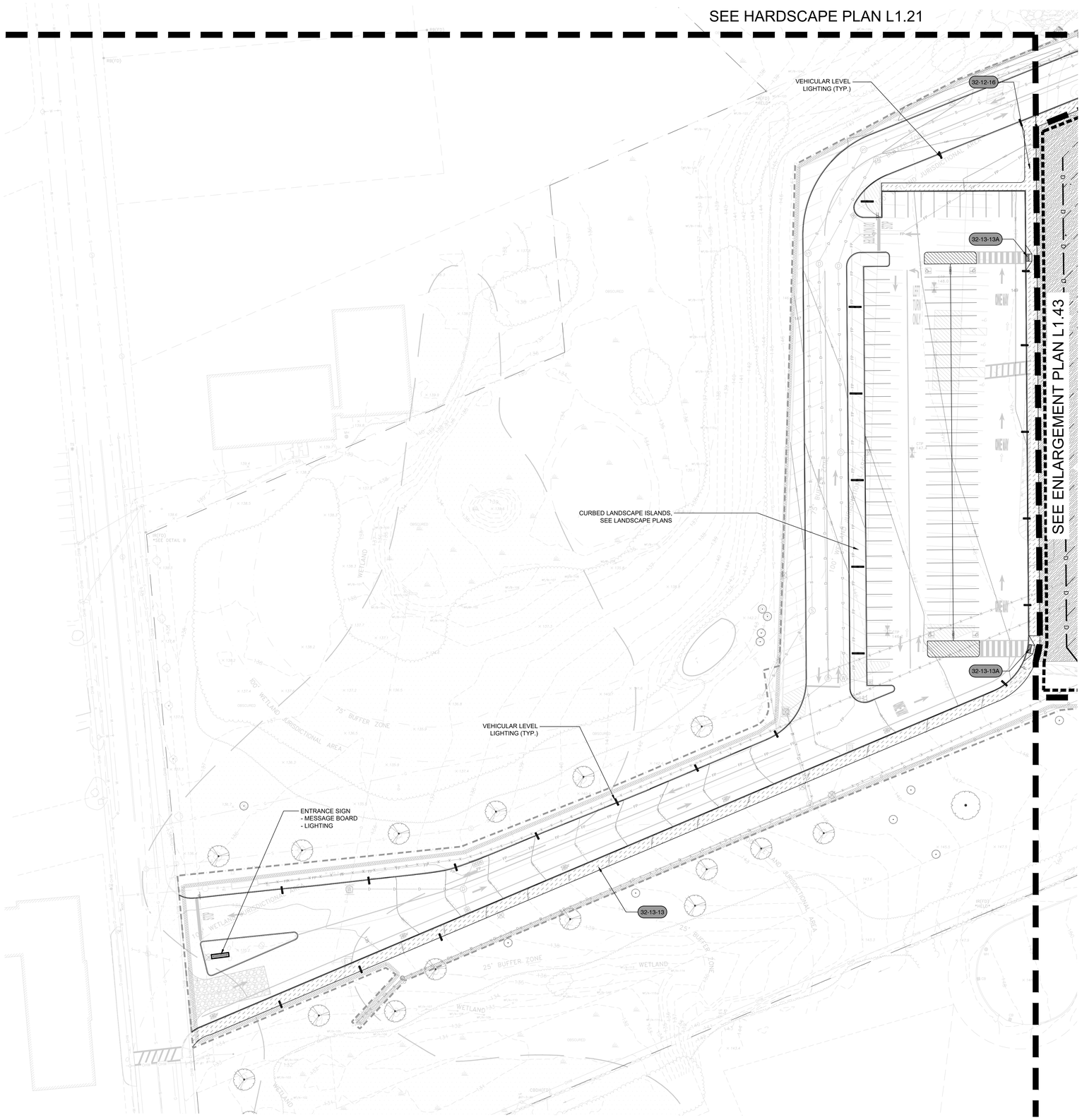
HARDSCAPE PLAN

SCALE: AS INDICATED
DRAWN BY: Y.
PJ#40
CHECKED BY: S. D'AMERICA

DATE	REMARKS

SHEET NUMBER
L
1.24
JOB NUMBER 40040

SEE HARDSCAPE PLAN L1.21



REFERENCE NOTES SCHEDULE L1.25

32 EXTERIOR IMPROVEMENTS

SYMBOL	CODE	DESCRIPTION	DETAIL	
	32-12-16	Asphalt for Walkway, See Civil for SPEC	8/L3.01	
	32-13-13	Concrete Paving	1/L3.01	ALTERNATE #3 CONCRETE TO BE CHANGED TO ASPHALT FOR WALKWAY
	32-13-13A	Detectable Warning Tiles	4/L3.01	

NORTH

0 30 60 90 120 feet

1" = 30'

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MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

HARDSCAPE PLAN

SCALE: AS INDICATED
DRAWN BY: Y. FANG
CHECKED BY: S. D'AMBROSIA

DATE	REMARKS

L 1.25

AS NOTED 09/09/24

REFERENCE NOTES SCHEDULE L1.42

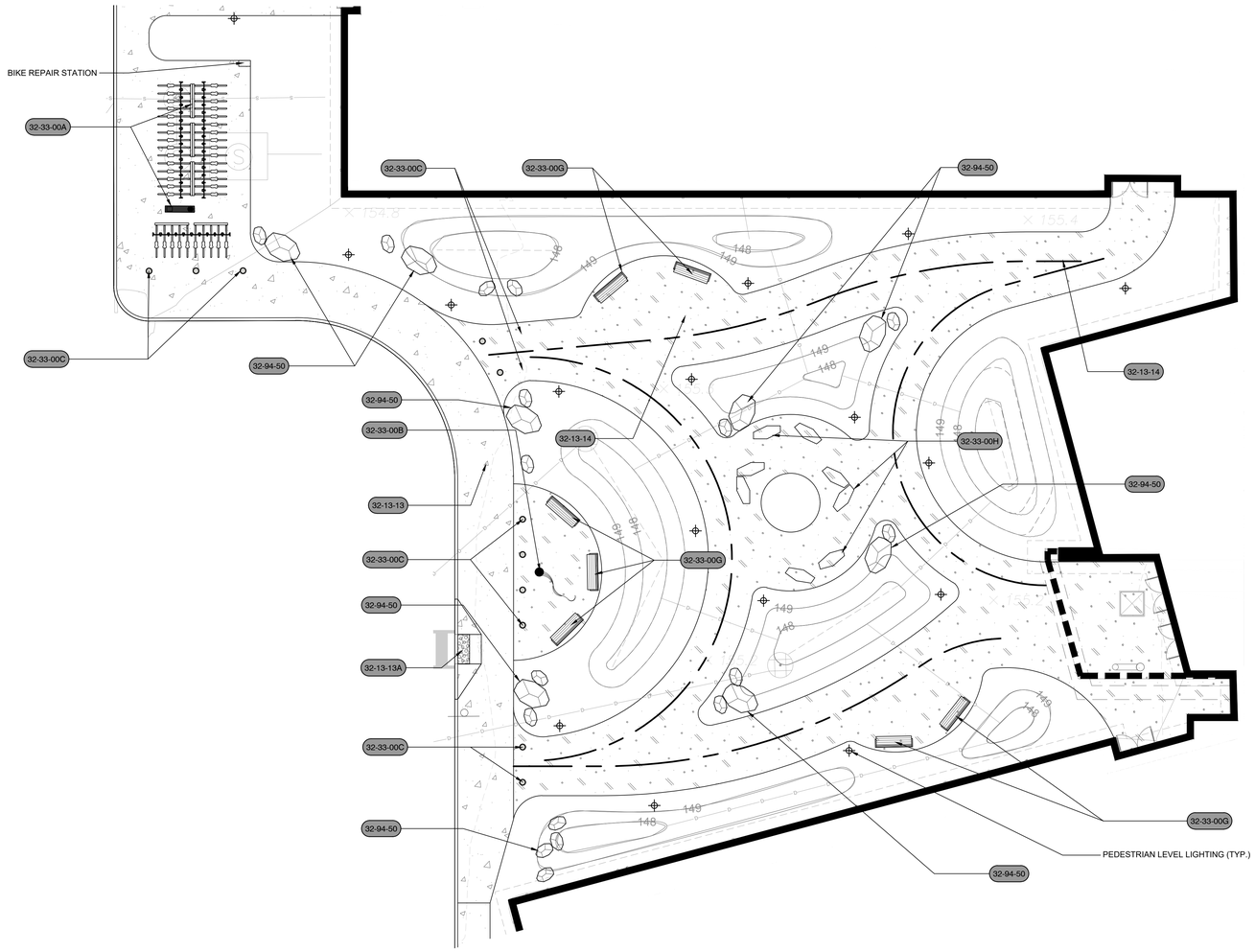
03 CONCRETE

SYMBOL	CODE	DESCRIPTION	DETAIL
	03-30-00	Cast-In-Place Concrete Seat Wall	5/L3.01

32 EXTERIOR IMPROVEMENTS

SYMBOL	CODE	DESCRIPTION	DETAIL
	32-13-13A	Detectable Warning Tiles	4/L3.01
	32-13-14	Exposed Aggregate Concrete Paving	2/L3.01
	32-33-00B	Flagpole	5/L3.02
	32-33-00C	Security Bollard	2/L3.02
	32-33-00D	Light Bollard	
	32-33-00D	Litter/Recycle Receptacle	4/L3.02
	32-33-00E	Picnic Table	6/L3.02
	32-33-00F	Picnic Table - ADA	6/L3.02
	32-33-00G	Ornamental Bench	3/L3.02
	32-33-00I	Free Form Bench	1/L3.02
	32-94-50	Landscape Boulder	7/L3.01

NOTES:
1. SITE FURNITURE (EXCLUDING BOLLARDS) TO BE PRICED IN FF&E BUDGET PER ALTERNATE #56
2. PAVING MATERIAL WITHIN COURTYARD SHOWN AS EXPOSED AGGREGATE SHALL BE BROOM FINISHED CONCRETE PER ALTERNATE #3



NORTH

0 10 20 30 40 feet

1" = 10'

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MAJOR LAND DEVELOPMENT-MASTER PLAN
SUBMISSION
09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

ENLARGEMENT PLAN
SCALE: 1" = 10'-0"
DRAWN BY: MM
CHECKED BY: JS/MM/DA
PM/D: FMD

DATE	REMARKS

DRAWING NUMBER
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1.41
SHEET NUMBER

9/9/2024 8:56:38 AM Autodesk Docs://Middletown Public Schools/MHS_MMS/MHS_MMS_Central_24.rvt

REFERENCE NOTES SCHEDULE L1.42

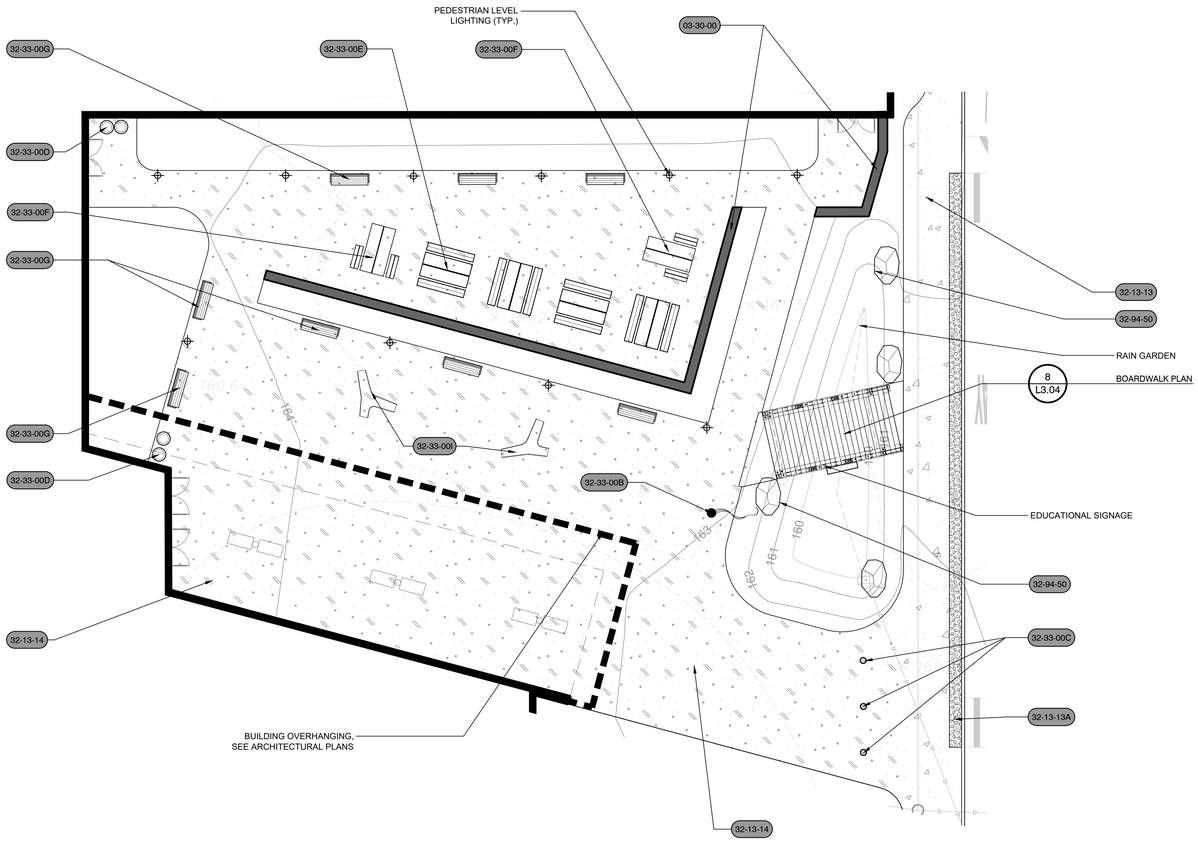
03 CONCRETE

SYMBOL	CODE	DESCRIPTION	DETAIL
	03-30-00	Cast-In-Place Concrete Seat Wall	5/L3.01

32 EXTERIOR IMPROVEMENTS

SYMBOL	CODE	DESCRIPTION	DETAIL
	32-13-13A	Detectable Warning Tiles	4/L3.01
	32-13-14	Exposed Aggregate Concrete Paving	2/L3.01
	32-33-00B	Flagpole	5/L3.02
	32-33-00C	Security Bollard	2/L3.02
	32-33-00D	Light Bollard	
	32-33-00D	Litter/Recycle Receptacle	4/L3.02
	32-33-00E	Picnic Table	6/L3.02
	32-33-00F	Picnic Table - ADA	6/L3.02
	32-33-00G	Ornamental Bench	3/L3.02
	32-33-00I	Free Form Bench	1/L3.02
	32-94-50	Landscape Boulder	7/L3.01

NOTES:
1. SITE FURNITURE (EXCLUDING BOLLARDS) TO BE PRICED IN FF&E BUDGET PER ALTERNATE #56
2. PAVING MATERIAL WITHIN COURTYARD SHOWN AS EXPOSED AGGREGATE SHALL BE BROOM FINISHED CONCRETE PER ALTERNATE #3



NORTH

0 10 20 30 40 feet

1" = 10'

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09/11/2024

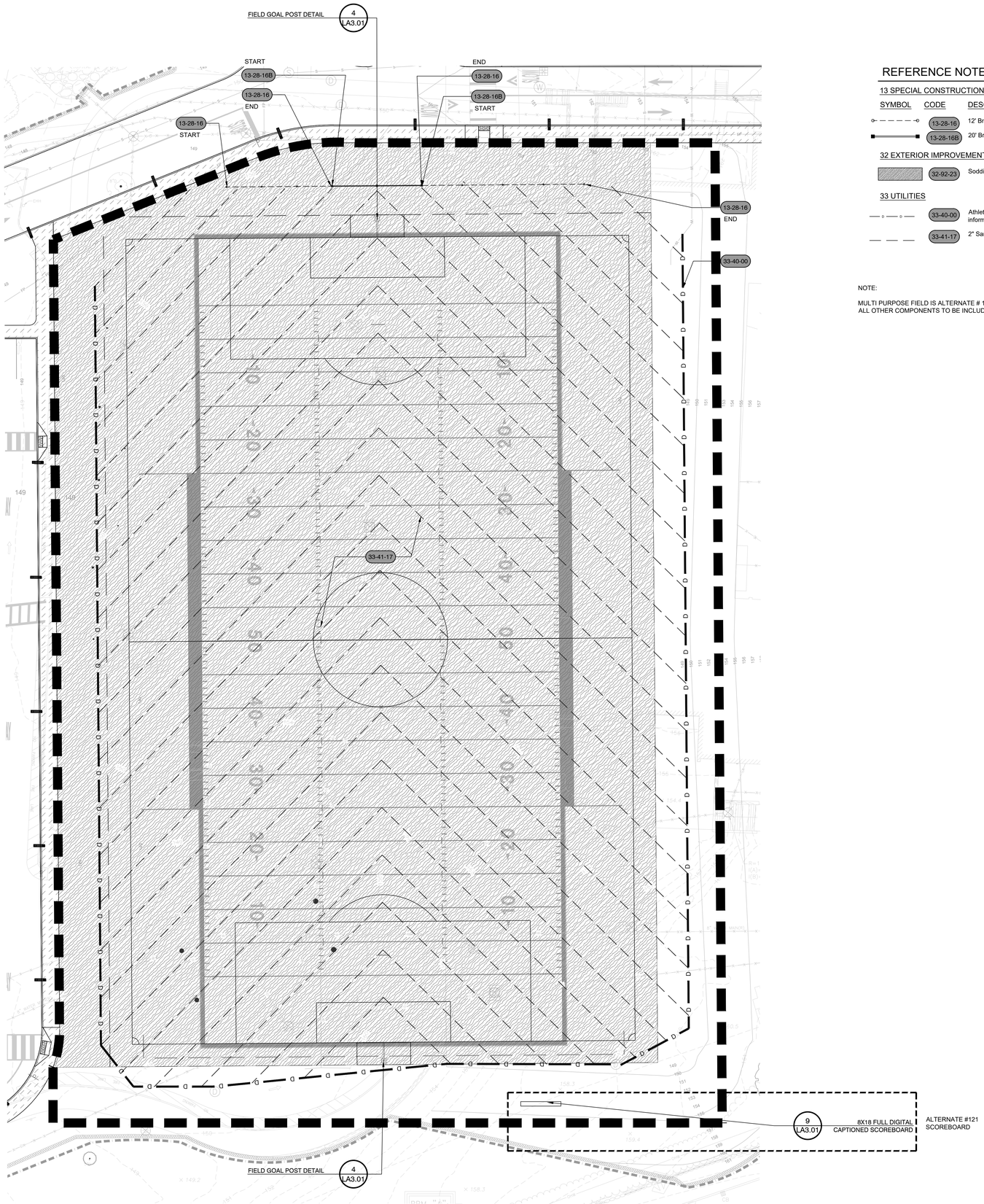
KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

ENLARGEMENT PLAN
SCALE: AS INDICATED
DRAWN BY: Y. FANG
CHECKED BY: S. D'AMBROSIA

DATE	REMARKS

ISSUED NUMBER
L
1.42
JOB NUMBER 2406



REFERENCE NOTES SCHEDULE L1.43

13 SPECIAL CONSTRUCTION

SYMBOL	CODE	DESCRIPTION	DETAIL
	13-28-16	12' Breakaway Ball Safety netting	5/LA3.01
	13-28-16B	20' Breakaway Ball Safety Netting	5/LA3.01

32 EXTERIOR IMPROVEMENTS

	32-92-23	Sodding for Athletic Fields	1/LA3.01

33 UTILITIES

	33-40-00	Athletic Field Perimeter Drain. See Civil for information and size	3/LA3.01
	33-41-17	2" Sand Channel Drainage System	2/LA3.01

NOTE:

MULTI PURPOSE FIELD IS ALTERNATE # 108.BASE BID ONLY INCLUDES GRADING AND LOAM & SEED. ALL OTHER COMPONENTS TO BE INCLUDED IN ALTERNATE PRICING.

NORTH

0 20 40 60 80 feet

1" = 20'

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KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

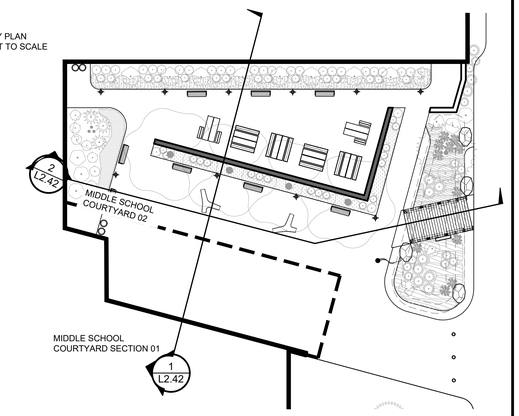
HARDSCAPE ENLARGEMENT PLAN
SCALE: As indicated
BOUNDARY & TOPOGRAPHIC SURVEY BY: D'AMBRUOSA, P.A.W.G.

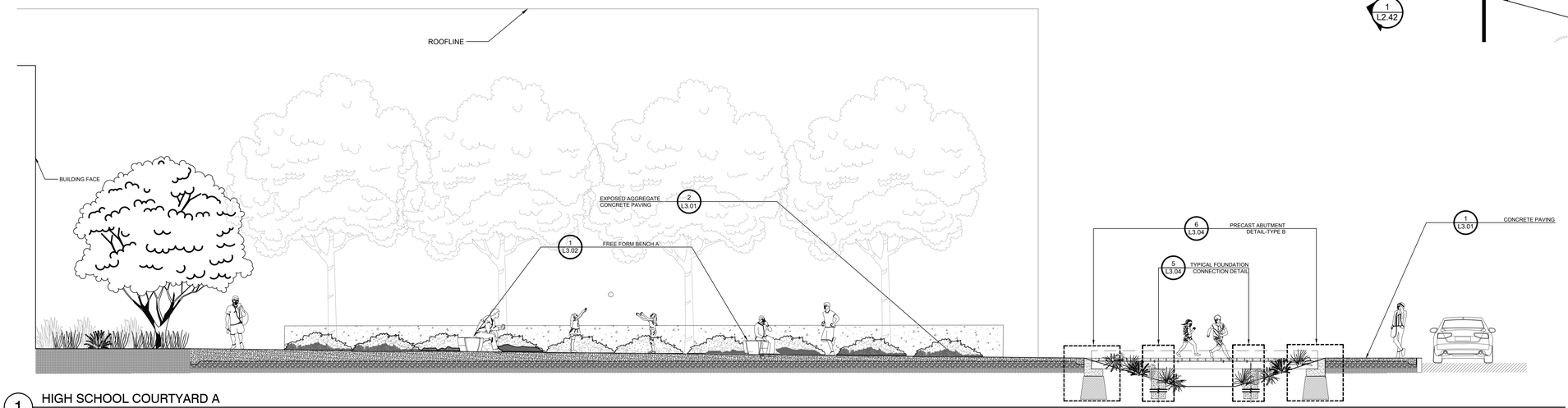
DATE	REMARKS

L
1.43

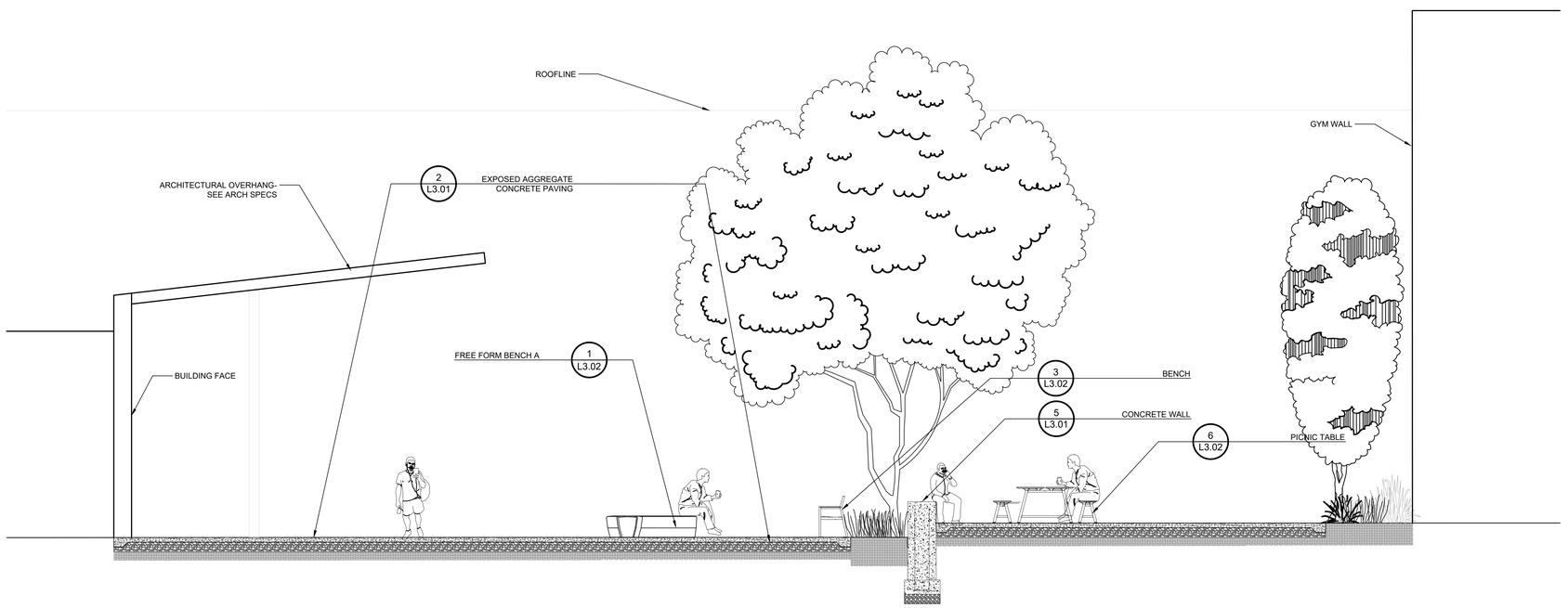
NOTES:
1. SITE FURNITURE (EXCLUDING BOLLARDS) TO BE PRICED IN FF&E BUDGET PER ALTERNATE #56
2. PAVING MATERIAL WITHIN COURTYARD SHOWN AS EXPOSED AGGREGATE SHALL BE BROOM FINISHED CONCRETE PER ALTERNATE #3

KEY PLAN
NOT TO SCALE





1 HIGH SCHOOL COURTYARD A
3/16" = 1'-0"



2 HIGH SCHOOL COURTYARD SECTION B
1/4" = 1'-0"

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RIDE STAGE II SUBMISSION
2/15/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI

SCALE: DRAWN BY: Y. Fang CHECKED BY: S. D'ambrosi

DATE	REMARKS

DRAWING NUMBER
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2.41
ADD NUMBER BOARD

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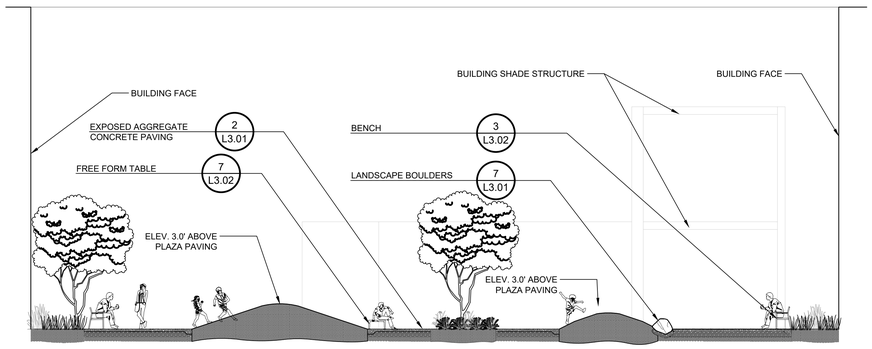
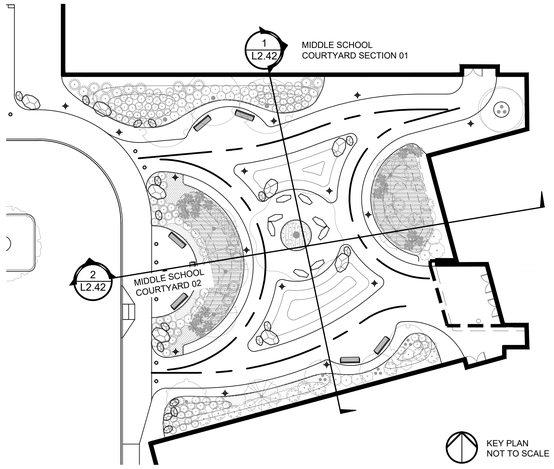
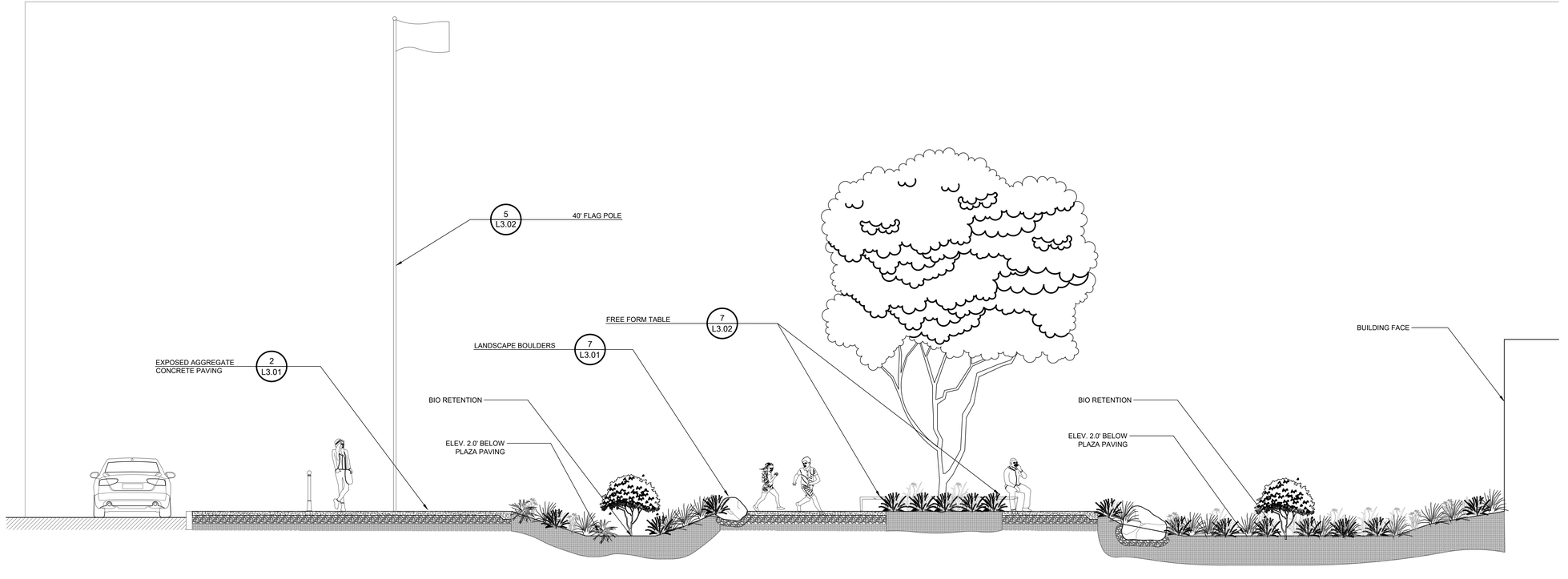


1 MIDDLE SCHOOL COURTYARD SECTION A

1/8" = 1'-0"





2 MIDDLE SCHOOL COURTYARD B

1/4" = 1'-0"

NOTES:
1. SITE FURNITURE (EXCLUDING BOLLARDS) TO BE PRICED IN FF&E BUDGET PER ALTERNATE #56
2. PAVING MATERIAL WITHIN COURTYARD SHOWN AS EXPOSED AGGREGATE SHALL BE BROOM FINISHED CONCRETE PER ALTERNATE #3

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RIDE STAGE II SUBMISSION
2/15/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
Middletown, RI

SCALE: DRAWN BY: Y. Feng CHECKED BY: S. D'Ambrosio

DATE	REMARKS

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2.42
SHEET NUMBER ISSUED

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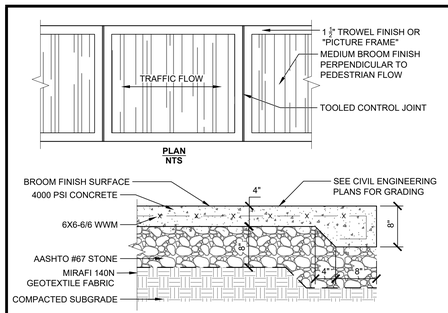
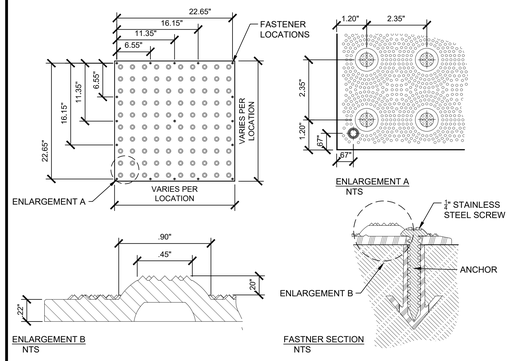


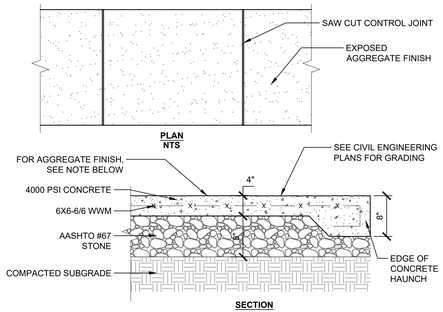
NOTES:
1. JOINTS SHALL BE TOOLED PER DETAILS AND SHALL BE PLACED AS INDICATED UNLESS OTHERWISE NOTED ON THE PLANS.
2. ISOLATION SHALL BE 20' O.C. UNLESS OTHERWISE NOTED ON THE PLANS.
3. CONTROL JOINTS SHALL BE 5' O.C. UNLESS OTHERWISE NOTED ON THE PLANS.
4. BROOM FINISH SHALL BE PERPENDICULAR TO PEDESTRIAN TRAFFIC FLOW UNLESS OTHERWISE NOTED ON THE PLANS.

1 CONCRETE PAVING
1" = 1'-0"



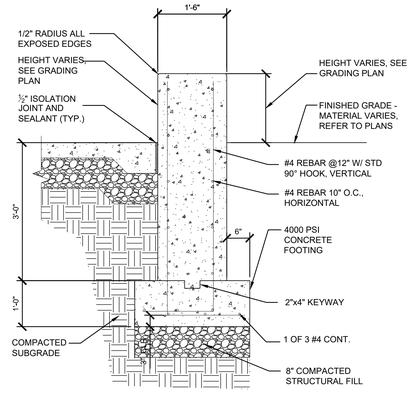
NOTES:
1. ALL DETECTABLE WARNING PLATES TO MEET MAAB REQUIREMENTS.
2. SEE CIVIL DETAILS FOR STANDARD CURB CUT.
3. SEE SPECIFICATIONS FOR MATERIAL AND MANUFACTURER.
4. DETECTABLE WARNING PLATES SHALL BE ABLE TO BE PLACED ON A RADIUS.

4 DETECTABLE WARNING PLATE
1" = 1'-0"



NOTES:
1. SEE SPECIFICATIONS FOR AGGREGATE SIZE, COLOR, SHAPE AND SAMPLE REQUIREMENTS FOR EXPOSED AGGREGATE SURFACE.
2. ISOLATION JOINTS SHALL BE INSTALLED AS NOTED ON THE PLANS.
3. SAWCUT CONTROL JOINTS SHALL BE PLACED AS NOTED ON THE PLANS FOR EXPOSED AGGREGATE PAVING.
4. THOROUGHLY WASH AND CLEAN ALL SURFACES AND REMOVE ALL DEBRIS AFTER SAWCUTTING.

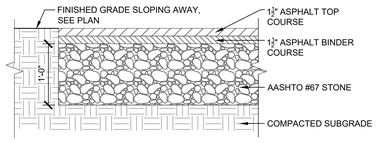
2 EXPOSED AGGREGATE CONCRETE PAVING
1" = 1'-0" P-EDU-MTS-12



WALL SECTION

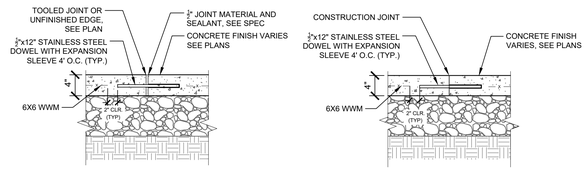
NOTES:
1. COLOR SHALL BE C-31 SHADOW SLATE BY L.M. SCOFIELD.
2. WHERE PAVEMENT SLOPES IN RELATION TO WALL, TOP OF WALL SHALL REMAIN LEVEL AND HEIGHT SHALL NOT EXCEED 18"
3. MOCK-UPS FOR ALL CONCRETE WORK AND FINISHES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.

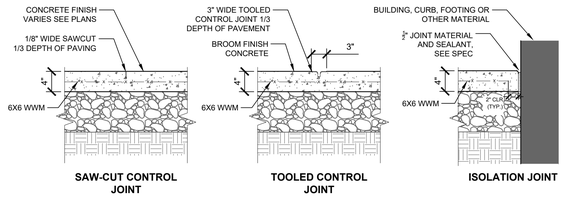
5 CONCRETE WALL
3/4" = 1'-0" P-EDU-MTS-32



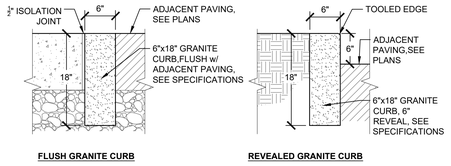
NOTE:
1. WALKWAY TO BE CROWNED OR CROSS SLOPED AT 2% TO SHED WATER.
2. SEE CIVIL SPECS FOR ASPHALT PAVING.

8 ASPHALT FOR WALKWAY
1" = 1'-0"

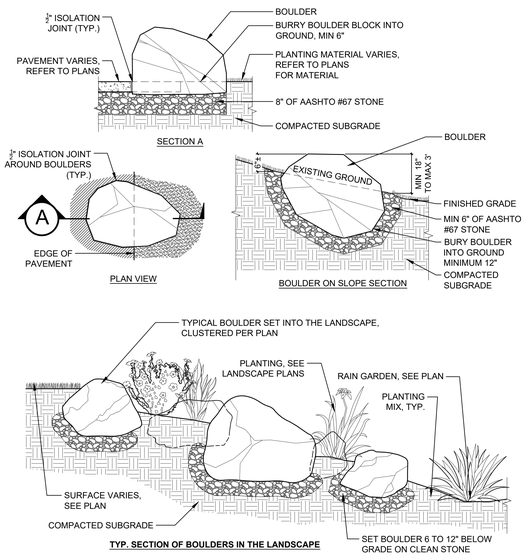




3 CONCRETE PAVEMENT JOINTS
1" = 1'-0"



6 GRANITE LANDSCAPE CURB
1" = 1'-0"



NOTES:
1. BOULDER LOCATIONS SHALL BE FIELD VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO FINAL INSTALLATION.
2. SEE SPECIFICATIONS FOR BOULDER TYPE, COLOR, JOINT MATERIAL, ETC.
3. BOULDERS SHALL BE 24" MIN TO 48" MAX IN ANY DIRECTION, NATURALLY ROUNDED.

7 LANDSCAPE BOULDERS
1/2" = 1'-0"

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TRAVERSE landscape architecture 111 Chestnut Street Providence, RI 02903 401.831.1240 www.traversela.com

MAJOR LAND DEVELOPMENT–MASTER PLAN
SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
SITE DETAILS
SCALE: AS INDICATED
DRAWN BY: Y. PARK
CHECKED BY: S. D'AMBROSIA

DATE	REMARKS

DRAWING NUMBER
L 3.01

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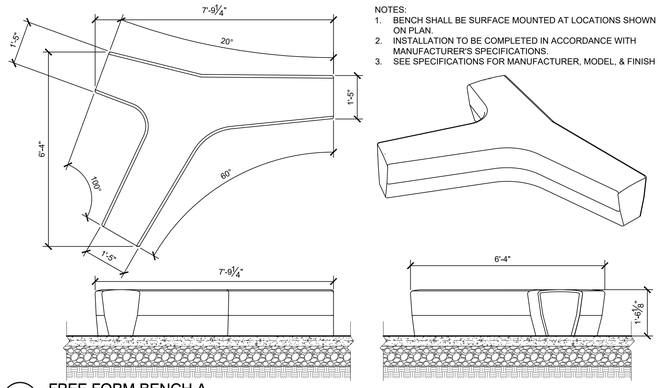
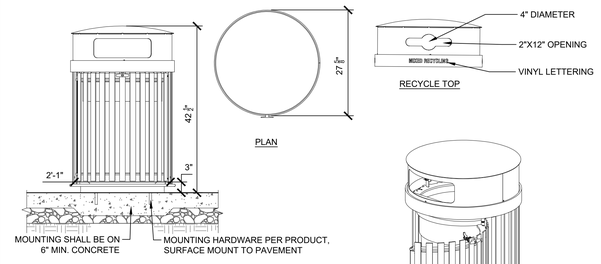


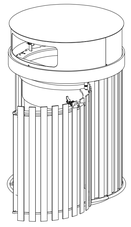
NOTES:
1. BENCH SHALL BE SURFACE MOUNTED AT LOCATIONS SHOWN ON PLAN.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR MANUFACTURER, MODEL, & FINISH

1 FREE FORM BENCH A
1/2" = 1'-0"



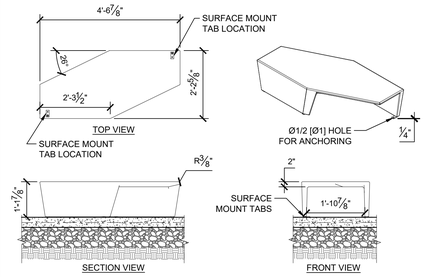
ELEVATION

PLAN



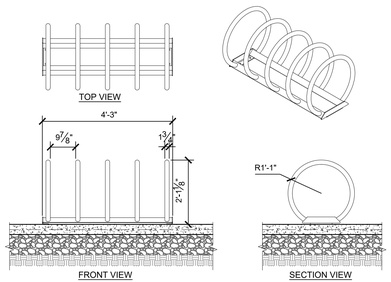
NOTES:
1. RECEPTACLES SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR MANUFACTURER, MODEL, & FINISH
4. SEE SPECIFICATIONS FOR LID AND PLAQUE OPTIONS.

4 LITTER/RECYCLE RECEPTACLE
3/4" = 1'-0"



NOTES:
1. TABLE SHALL BE SURFACE MOUNTED AT LOCATIONS SHOWN ON PLAN.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR MANUFACTURER, MODEL, & FINISH

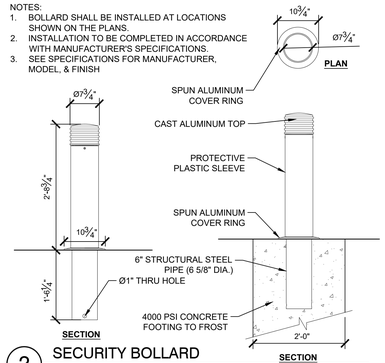
7 FREE FORM TABLE
1/2" = 1'-0"



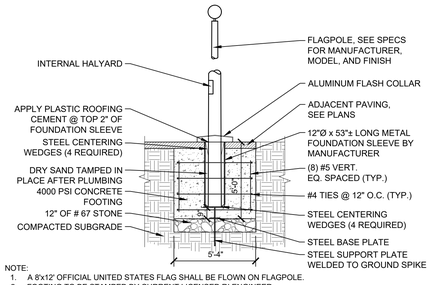
1. BIKE RACK SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS AND SHALL BE SURFACE MOUNT.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR MANUFACTURER, MODEL, & FINISH

8 BIKE RACK
1/2" = 1'-0"

NOTES:
1. BOLLARD SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR MANUFACTURER, MODEL, & FINISH

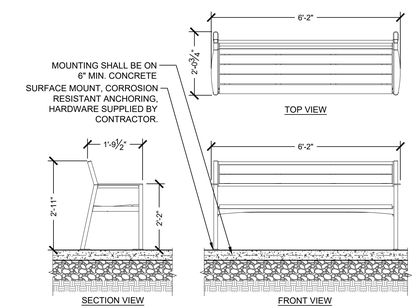


2 SECURITY BOLLARD
3/4" = 1'-0"



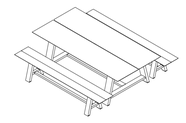
NOTE:
1. A 8'x12' OFFICIAL UNITED STATES FLAG SHALL BE FLOWN ON FLAGPOLE.
2. FOOTING TO BE STAMPED BY CURRENT LICENSED RI ENGINEER.
3. FLAG PROVIDED BY OWNER. SEE ARCHITECTURAL SPECIFICATIONS FOR MANUFACTURER, MODEL, & FINISH

5 40' FLAG POLE
1/4" = 1'-0"

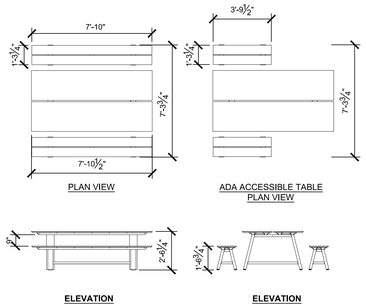


NOTES:
1. BENCH SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS AND SHALL BE SURFACE MOUNT.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR MANUFACTURER, MODEL, & FINISH

3 BENCH
1/2" = 1'-0"



AXON



NOTES:
1. PICNIC TABLE SHALL BE SURFACE MOUNTED AT LOCATIONS SHOWN ON PLAN.
2. DINING TABLE SHALL MEET THE ADA REQUIRED 19" MINIMUM KNEE/TOE CLEARANCE DEPTH
3. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
4. SEE SPECIFICATIONS FOR MANUFACTURER, MODEL, & FINISH

6 PICNIC TABLE
1/4" = 1'-0"

NOTES:
1. SITE FURNITURE (EXCLUDING BOLLARDS) TO BE PRICED IN FF&E BUDGET PER ALTERNATE #56

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130 Bishop Allen Drive, Cambridge, MA 02139
617 868 1010
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111 CHESTNUT STREET
PROVIDENCE, RI 02903
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MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

SITE DETAILS
SCALE: AS INDICATED
DRAWN BY: Y. FANG
CHECKED BY: D'AMERICA

DATE	REMARKS

DRAWING NUMBER
L
3.02
ADD NUMBER

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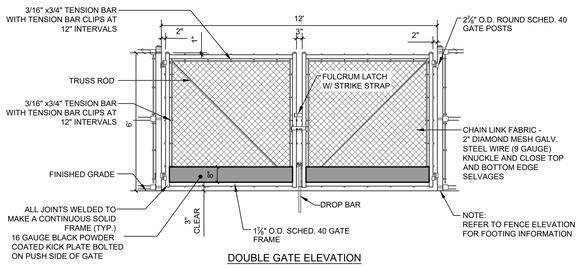
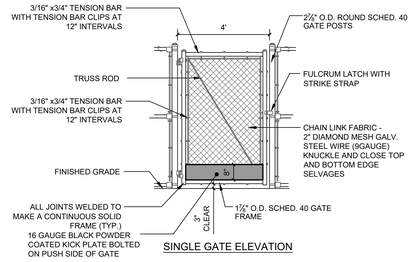
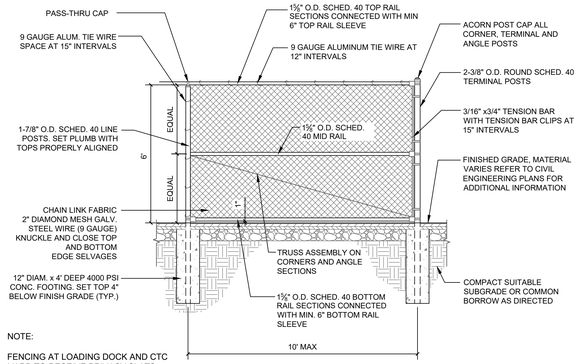


DOUBLE GATE ELEVATION



SINGLE GATE ELEVATION



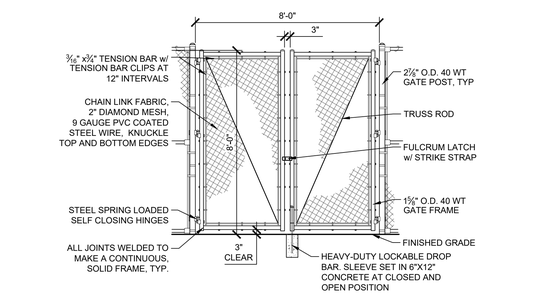
NOTE:

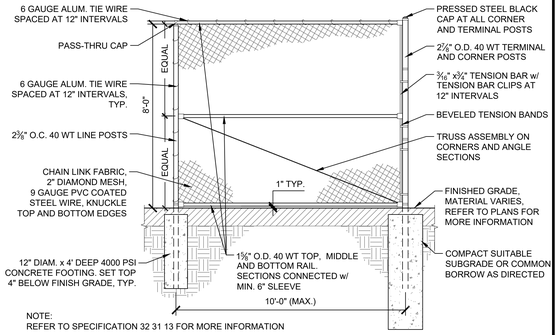
FENCING AT LOADING DOCK AND CTC YARD TO RECEIVE PRIVACY SLATS

FENCE ELEVATION

1 6' BLACK VINYL CHAIN LINK FENCE WITH GATES

3/8" = 1'-0"





NOTE:

REFER TO SPECIFICATION 32 31 13 FOR MORE INFORMATION

2 8' CHAIN LINK FENCE

3/8" = 1'-0"

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401.421.2772
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MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

SITE DETAILS

SCALE: AS INDICATED
DRAWN BY: Y. FANG
CHECKED BY: S. D'AMBROSIA

DATE	REMARKS

L
3.03

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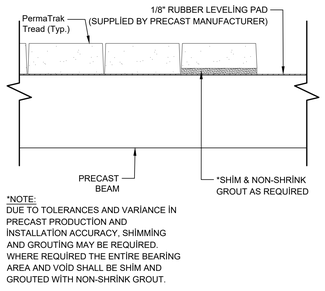
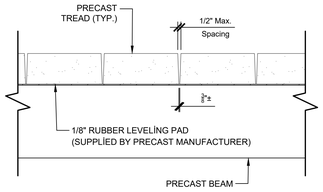
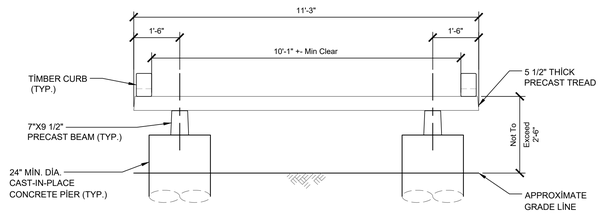


*NOTE:
DUE TO TOLERANCES AND VARİANCE İN PRECAST PRODUCTİON AND İNSTALLATİON ACCURACY, SHİMMİNG AND GROUTİNG MAY BE REQUİRED. WHERE REQUİRED THE ENTİRE BEARİNG AREA AND VOİD SHALL BE SHİM AND GROUTED WİTH NON-SHRİNK GROUT.

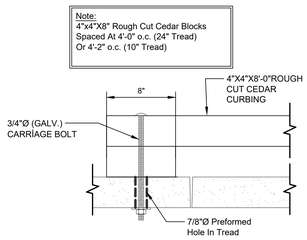
1 TYPICAL BOARDWALK SHIM AND GROUT DETAIL
1/2" = 1'-0"



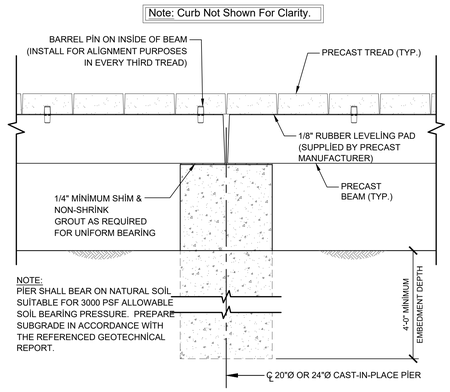
2 TYPICAL BOARDWALK TREAD SPACING DETAIL
NTS



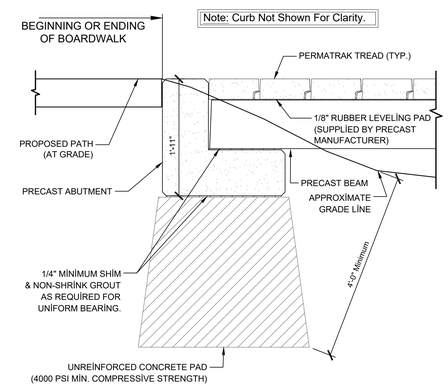
3 TYPICAL 11`-3" PRECAST BOARDWALK SECTION
1/2" = 1'-0"



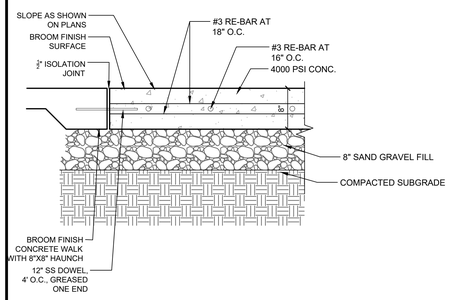
4 TYPICAL TIMBER CURB DETAIL
NTS



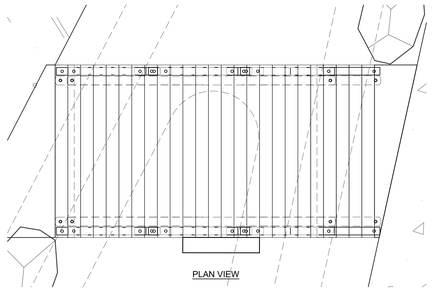
5 TYPICAL FOUNDATION CONNECTION DETAIL
1" = 1'-0"



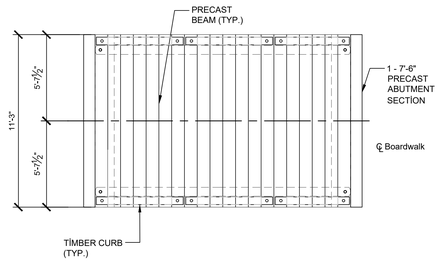
6 PRECAST ABUTMENT DETAIL-TYPE B
1" = 1'-0"



7 BROOM FINISHED CONCRETE WALK AT BOARDWALKS
1" = 1'-0"



20 - 4" THİCK X 11' 3" LONG
PRECAST CONCRETE TREADS
PLUS 19 JOİNTS @ 1/8"+- PER JOİNT



8 BOARDWALK PLAN
1/4" = 1'-0"

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www.dbvw.com

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Traverse Landscape Architects, LLC
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www.traversela.com

MAJOR LAND DEVELOPMENT–MASTER PLAN
SUBMISSION
09/11/2024

REGISTERED LANDSCAPE ARCHITECT
MICHAEL BROWN
No. 428

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

SITE DETAILS
SCALE: AS INDICATED
DRAWN BY: Y.
CHECKED BY: S. D'AMBROSIA, FAIA

DATE	REMARKS

DRAWING NUMBER
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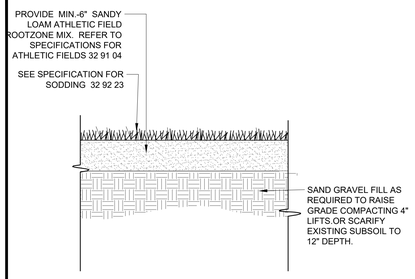
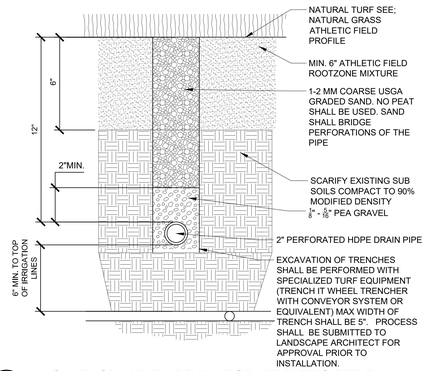
3.04
JOB NUMBER 2020-03

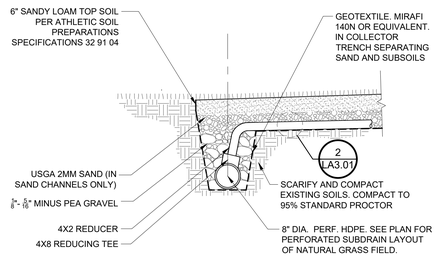
7/9/2024 8:59:28 Autodesk Docs://Middletown Public Schools/MHTN_MIDDLE_SCHOOL_2020.rvt



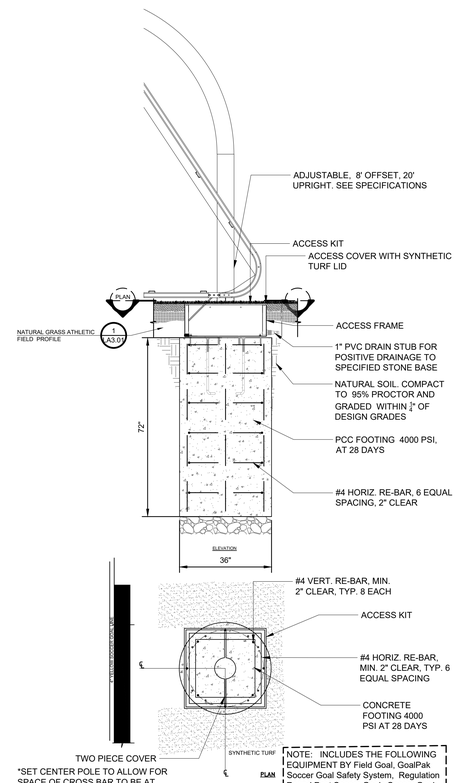
1 NATURAL GRASS ATHLETIC FIELD PROFILE
1" = 1'-0" P-EDU-MTS-41



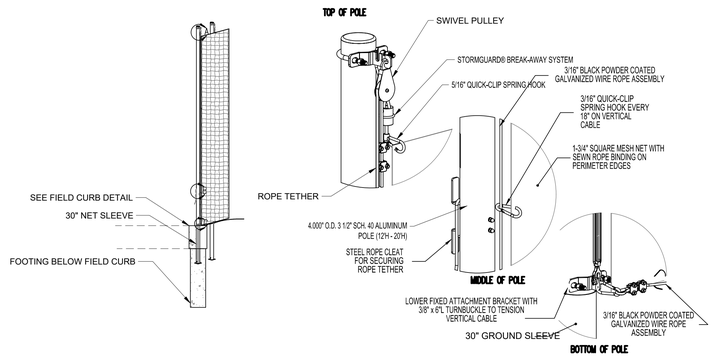
2 2" SAND CHANNEL DRAIN FOR ATHLETIC FIELD
3" = 1'-0"



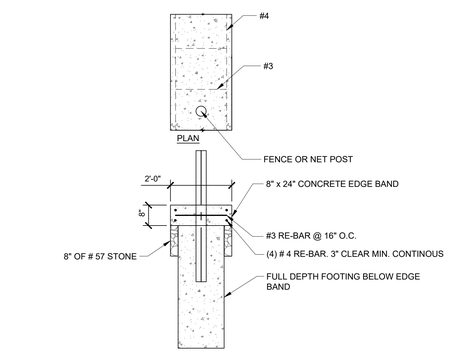
3 NATURAL GRASS ATHLETIC FIELD COLLECTOR DRAIN
1/2" = 1'-0"



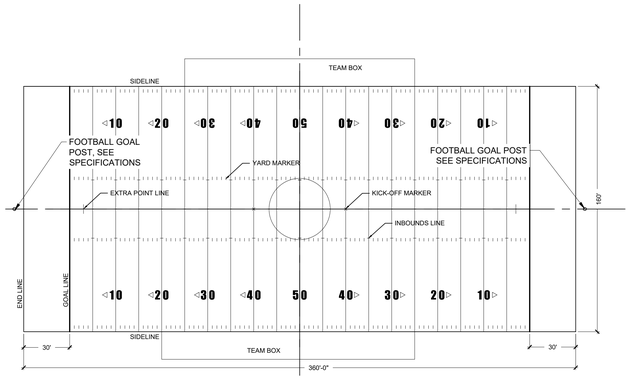
4 FIELD GOAL POST DETAIL
1/2" = 1'-0" P-EDU-MTS-72



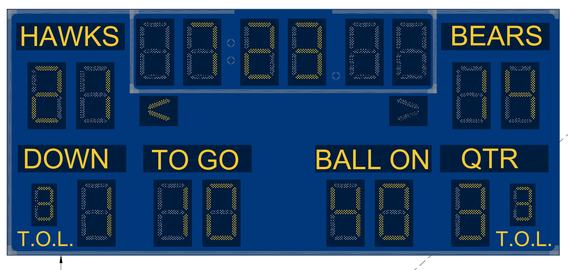
5 BREAKAWAY BALL SAFETY NETTING SYSTEM
1/4" = 1'-0"

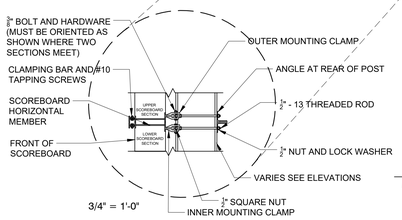


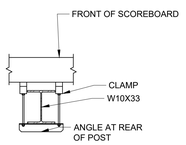
6 24" EDGE BAND
1/2" = 1'-0"

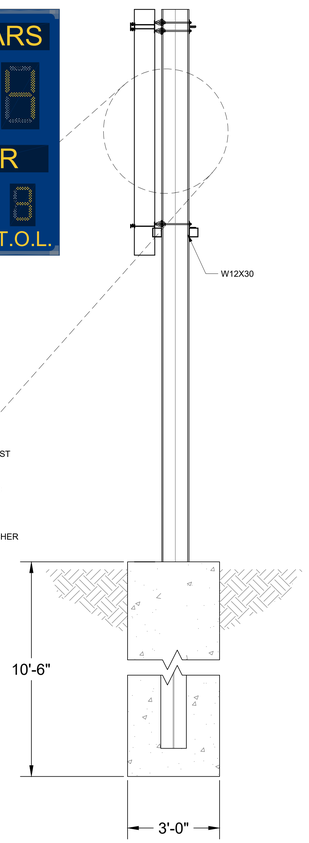


8 HIGH SCHOOL FOOTBALL FIELD LAYOUT
1" = 40'
FOOTBALL FIELD LAYOUT
P-EDU-MTS-94









9 8X18 FULL DIGITAL CAPTIONED SCOREBOARD
1/2" = 1'-0" P-EDU-MTS-83

NOTES:
1. MULTIPURPOSE FIELD IS ALTERNATE #108
2. SCORE BOARD IS ALTERNATE #121
3. SOFTBALL FIELD IS AN ALTERNATE

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401.831.1240 www.dbvw.com

TRAVERSE landscape architecture
111 Chestnut Street Providence, RI 02903
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MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

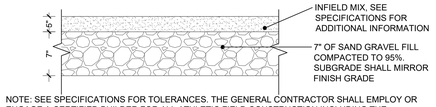
KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

DRAWN BY: Y. FANG
CHECKED BY: S. D'AMBROSIA
SCALE: AS INDICATED

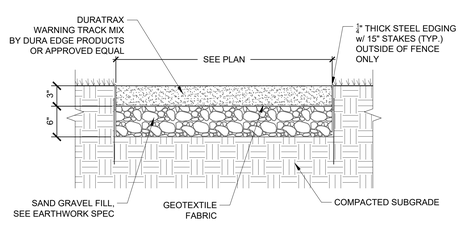
DATE	REMARKS

ISSUED FOR: LA
JOB NUMBER 3.01



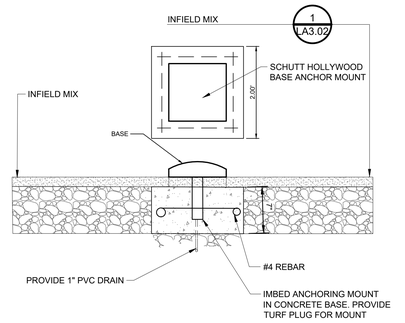
NOTE: SEE SPECIFICATIONS FOR TOLERANCES. THE GENERAL CONTRACTOR SHALL EMPLOY OR ENGAGE A CERTIFIED BUILDER FOR ALL ATHLETIC FIELD CONSTRUCTION INCLUDING THE SUBRADE AND SUBBASE OF ALL ATHLETIC CONSTRUCTION (TENNIS, TRACK OR FIELD) AS CERTIFIED BY THE AMERICAN SPORTS BUILDERS ASSOCIATION WHO WILL BE PRESENT ON SITE THROUGHOUT THE PROJECT TO SUPERVISE AND INSPECT ALL PHASES OF THE (TENNIS,TRACK AND FIELDS) CONSTRUCTION. THE IDENTITY OF THE CERTIFIED BUILDERS AND DOCUMENTATION OF THEIR CREDENTIALS WILL BE PROVIDED WITH THE BID DOCUMENTS.

1 INFIELD MIX
1" = 1'-0"



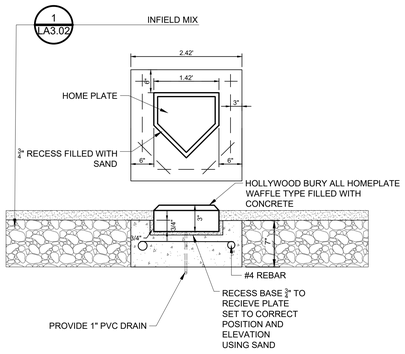
NOTES:
1. GEOTEXTILE SHALL BE NON-WOVEN POLYPROPYLENE FABRIC

2 WARNING TRACK SECTION
1" = 1'-0"

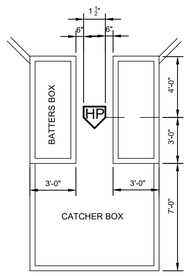


4 BASE ANCHOR SYSTEM
3/4" = 1'-0"

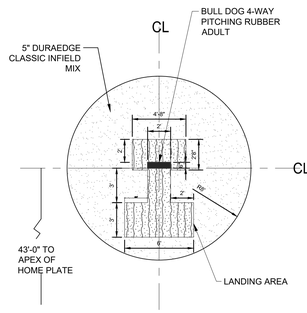
NOTES:
1. SOFTBALL FIELD IS AN ALTERNATE



5 HOME PLATE BASE ANCHOR SYSTEM
3/4" = 1'-0"



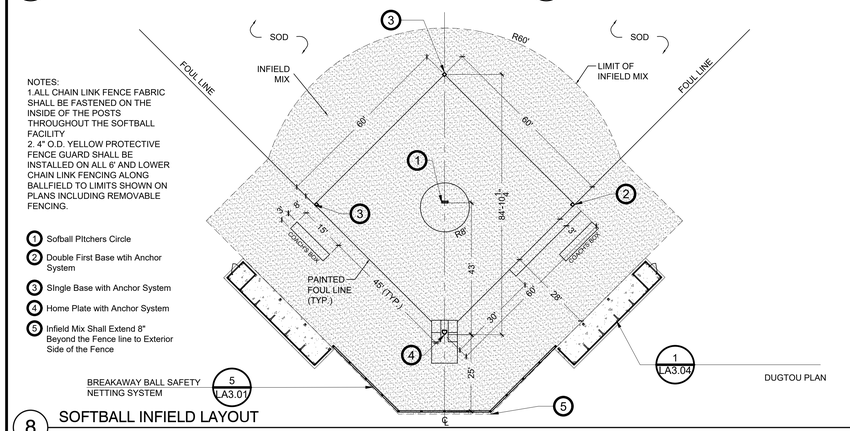
6 SOFTBALL BATTERS BOX DETAIL
1/4" = 1'-0"



NOTES:
1. OUTLINE AREAS AROUND PITCHERS MOUND AND BATTERS BOX AS SHOWN ABOVE.
2. EXCAVATE AREAS 5" BELOW FINISHED GRADE. LEVEL EXCAVATION AND TAMP FIRM.
3. PLACE PITCHING CLAY IN EXCAVATED AREAS AS SHOWN ABOVE. PACKING CLAY SHOULD BE 1/2" BELOW FINISH GRADE.
4. WATER THOROUGHLY SEVERAL TIMES . TAMP FIRMLY BETWEEN WATERINGS.
5. SMOOTH SURFACE , MOISTEN AND TAMP.
6. PLACE INFIELD MIX OVER CLAY TO BRING TO FINISHED GRADE AND RAKE.
7. COVER THE ENTIRE PITCHERS MOUND AND HOME PLATE CIRCLE WITH PLASTIC TARP TO HOLD MOISTURE. CONTRACTOR TO PROVIDE 18oz. VINYL OR APPROVED PITCHERS MOUND - 8' DIA., COLOR TO BE APPROVED BY OWNER.

7 SOFTBALL PITCHERS CIRCLE
3/16" = 1'-0"

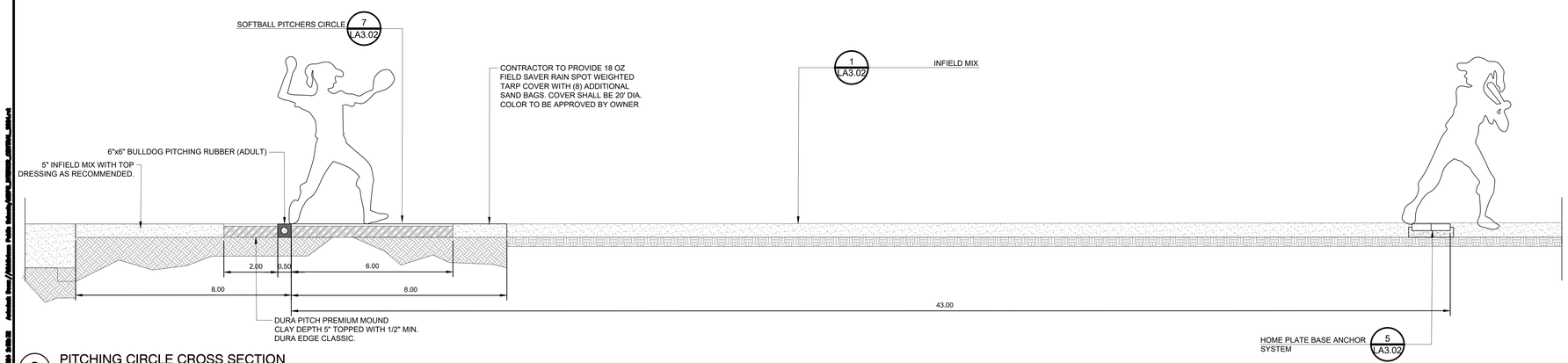
P-EDU-MTS-86



NOTES:
1.ALL CHAIN LINK FENCE FABRIC SHALL BE FASTENED ON THE INSIDE OF THE POSTS THROUGHOUT THE SOFTBALL FACILITY
2. 4" O.D. YELLOW PROTECTIVE FENCE GUARD SHALL BE INSTALLED ON ALL 6' AND LOWER CHAIN LINK FENCING ALONG BALLFIELD TO LIMITS SHOWN ON PLANS INCLUDING REMOVABLE FENCING.

1. Sofball PItchers Circle
2. Double First Base wtih Anchor System
3. SIngle Base with Anchor System
4. Home Plate with Anchor System
5. Infield Mix Shall Extend 8" Beyond the Fence line to Exterior Side of the Fence

8 SOFTBALL INFIELD LAYOUT
1" = 20'



9 PITCHING CIRCLE CROSS SECTION
1/2" = 1'-0"

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MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

REGISTERED LANDSCAPE ARCHITECT JAMES E. BROWN No. 428

KEYPLAN

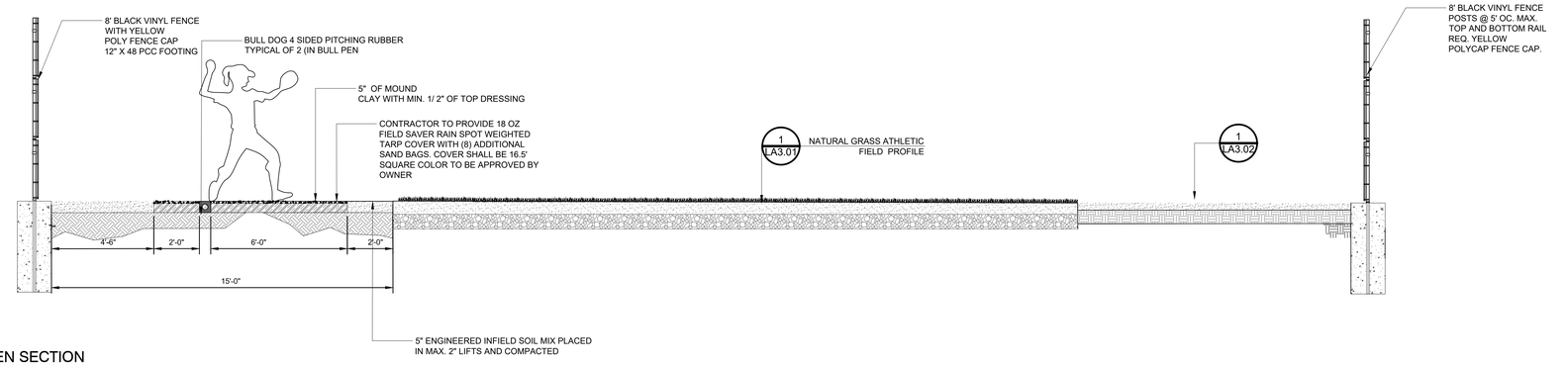
MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

DRAWN BY: Y. FANG
CHECKED BY: S. D'AMBROSIA
SCALE: AS INDICATED

DATE	REMARKS

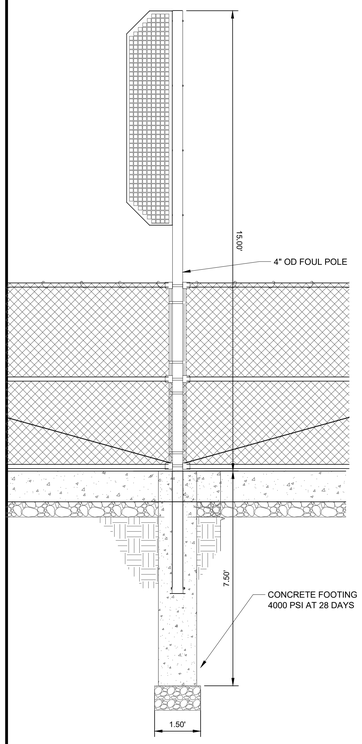
ISSUED FOR: LA
SHEET NUMBER: 3.02
JOB NUMBER: 2024-08

NOTES:
1. SOFTBALL FIELD IS AN ALTERNATE



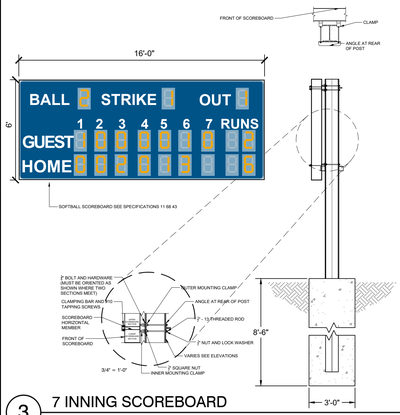
1 BULL PEN SECTION
3/8" = 1'-0"

P-EDU-MTS-60



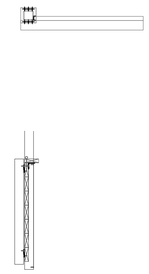
FOUL POLE SHALL BE 15' WINGED FOUL POLE, ALL FOUNDATIONS SHALL SUBMITTED BY CONTRACTOR SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS.

2 15` WINGED FOUL POLE (SLEEVED)
1/2" = 1'-0"



3 7 INNING SCOREBOARD
1/4" = 1'-0"

P-EDU-MTS-70



4 KNEE WALL WITH NETTING AT DUGOUT
1/2" = 1'-0"

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MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

DRAWN BY: Y. FANG
CHECKED BY: S. D'AMBROSIA
SCALE: AS INDICATED

DATE	REMARKS

LA 3.03

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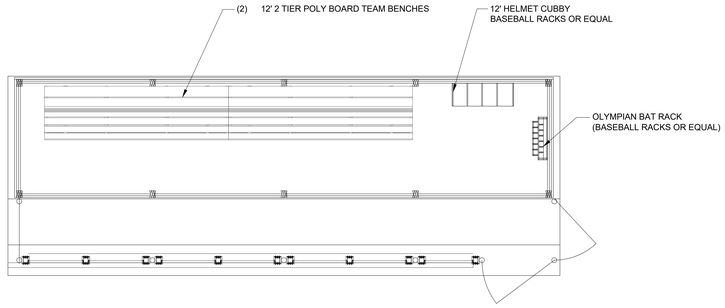
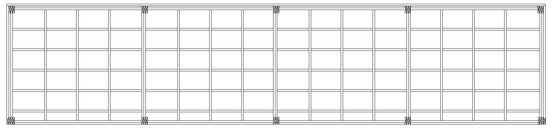


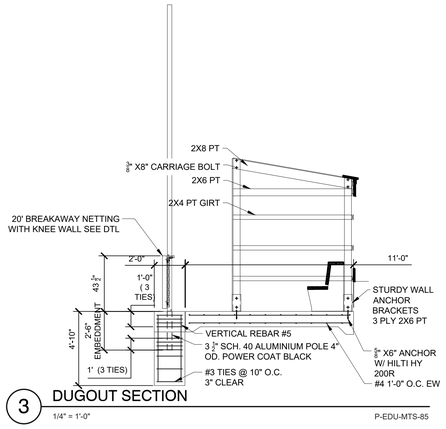
1 DUGTOU PLAN

1/4" = 1'-0"



2 DUGOUT FRAMING PLAN

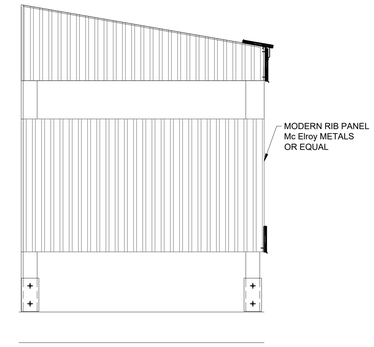
1/4" = 1'-0"



3 DUGOUT SECTION

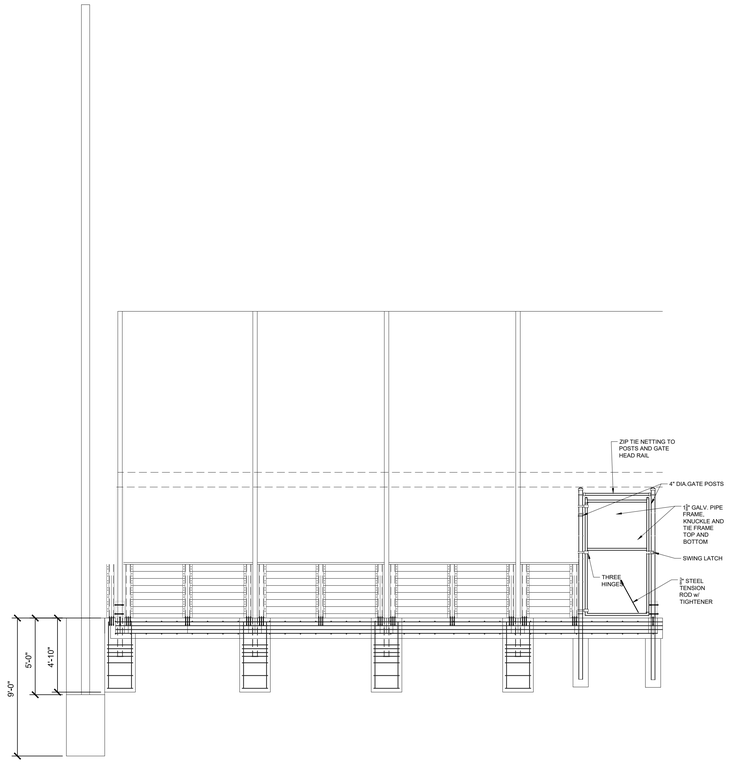
1/4" = 1'-0"

P-EDU-MTS-85



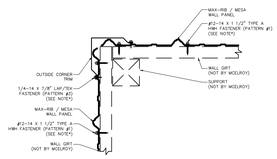
4 DUGOUT ELEVATION RIGHT

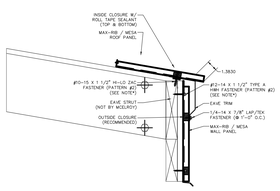
1/2" = 1'-0"

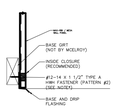


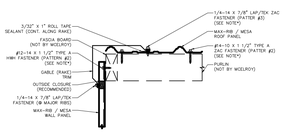
5 FRONT SECTION DUGOUT

1/4" = 1'-0"









6 DUGOUT METAL PANEL/ROOF DETAILS

1 1/2" = 1'-0"

NOTES:
1. SOFTBALL FIELD IS AN ALTERNATE

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MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

REGISTERED LANDSCAPE ARCHITECT DANIEL BRUNER No. 629

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

SCALE: AS INDICATED
DRAWN BY: Y. FANG
CHECKED BY: S. D'AMBROSIA

DATE	REMARKS

ISSUED FOR:
LA
3.04
JOB NUMBER: 2024-08

Autodesk Docs://Middletown Public Schools/MHS_MTSMSH_ARCHITECTURAL_2024.rvt
7/9/2024 8:08:28 AM

SEE PLANTING PLAN LP1.21

SEE PLANTING PLAN LP1.22

SEE PLANTING PLAN LP1.22A FOR ADD ALTERNATE

SEE PLANTING PLAN LP1.24

SEE PLANTING PLAN LP1.25

SEE PLANTING PLAN LP1.26

NORTH

0 70 140 210 280 feet

1" = 70'

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KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

OVERALL PLANTING PLAN

SCALE: AS INDICATED
DRAWN BY: Y. GREENFIELD/ M. S. D'AMBROSIA, FAAR

DATE | REMARKS

LP 1.0

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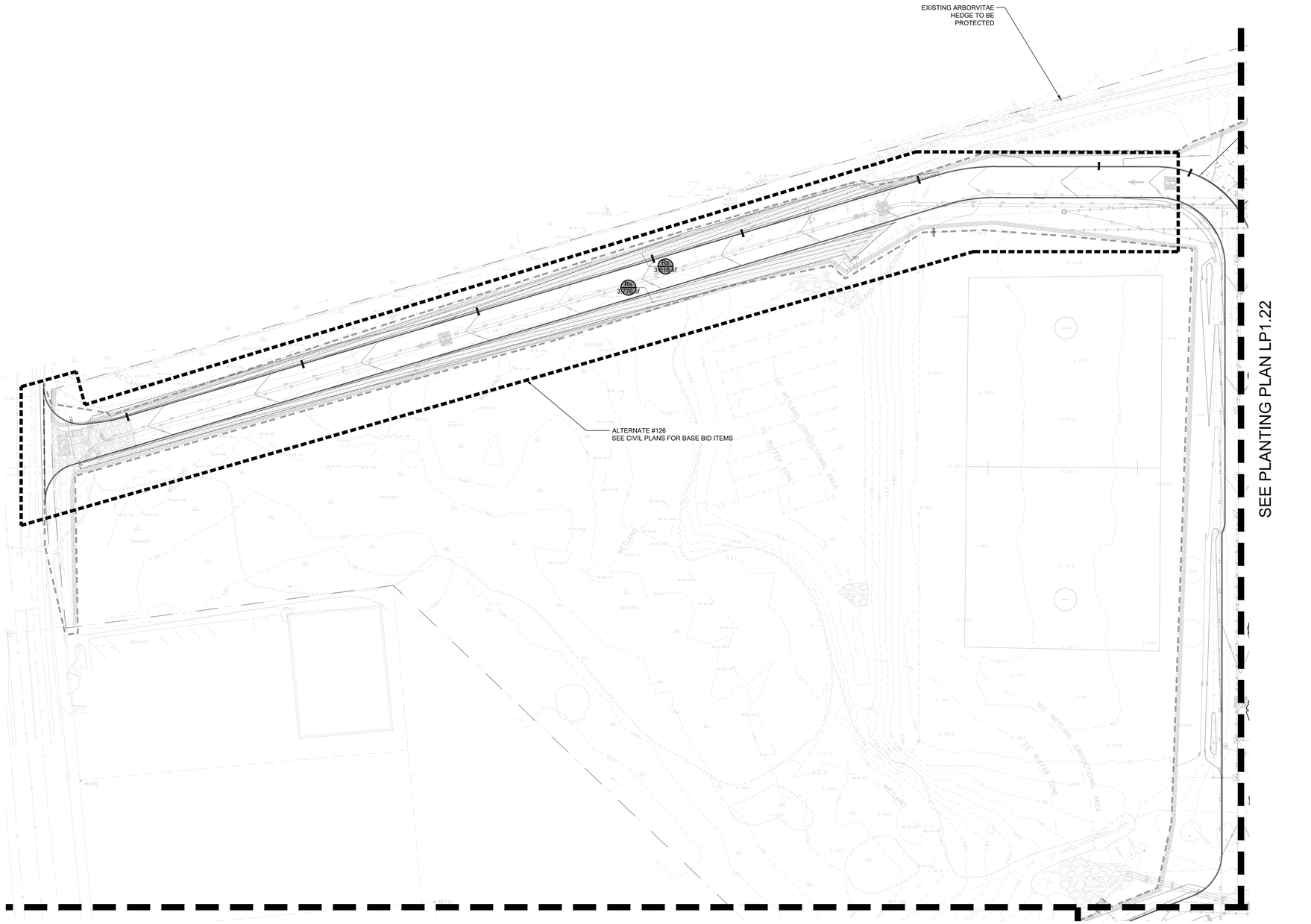
PLANT SCHEDULE LP1.21

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
SHRUB AREAS					
	Rs	7,392 sf	Restoration Seed Mix	Seed	



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KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

PLANTING PLAN

SCALE: AS INDICATED

DRAWN BY: Y. FANG

CHECKED BY: S. D'AMBROSIA

DATE	REMARKS

LP 1.21

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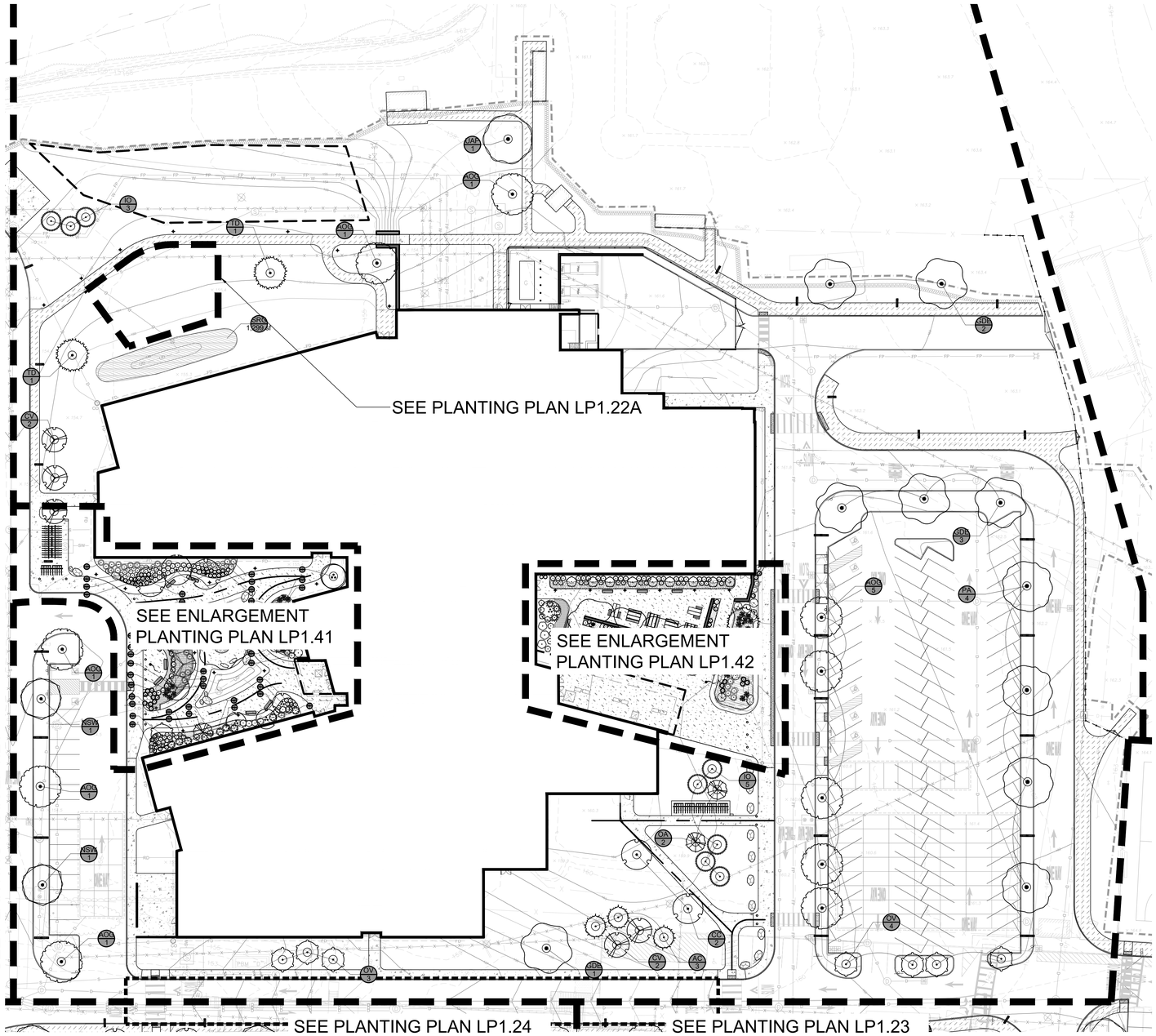

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES						
	AC	3	Abies concolor / White Fir	B & B		6`-7` H
	AOG	10	Acer rubrum 'October Glory' / October Glory Red Maple	B & B	2"-2.5" Cal.	
	CC	2	Carpinus caroliniana / American Hornbeam	B & B	2"-2.5" Cal.	
	CV	4	Crataegus viridis 'Winter King' / Winter King Hawthorn	B & B	2.5-3" Cal.	
	GDE	6	Gymnocladus dioicus 'Espresso' / Kentucky Coffeetree	B & B	2"-2.5" Cal.	
	HC	3	Halesia carolina 'Uconn Wedding Bells' / Wedding Bells Carolina Silverbell	B & B	2"-2.5" Cal.	
	IO	8	Ilex opaca / American Holly	B & B		5`-6` H
	NSW	2	Nyssa sylvatica 'Wildfire' / Wildfire Tupelo	B & B	2.5-3" Cal.	
	OV	7	Ostrya virginiana / American Hophornbeam	B & B	2"-2.5" Cal.	
	OA	2	Oxydendrum arboreum / Sourwood Tree	B & B		6`-7` H
	PA	4	Platanus x acerifolia 'Morton Circle' / Exclamation!™ London Plane Tree	B & B	3"-3.5" Cal.	
	TD	2	Taxodium distichum / Bald Cypress	B & B		7`-8` H
	UAP	2	Ulmus americana 'Princeton' / Princeton American Elm	B & B	2"-2.5" Cal.	

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT
SHRUB AREAS				
	SRG	1,299 sf	Seed Mix / Rain Garden Seed Mix	Seed

NORTH

0 30 60 90 120 feet

1" = 30'

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MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

PLANTING PLAN

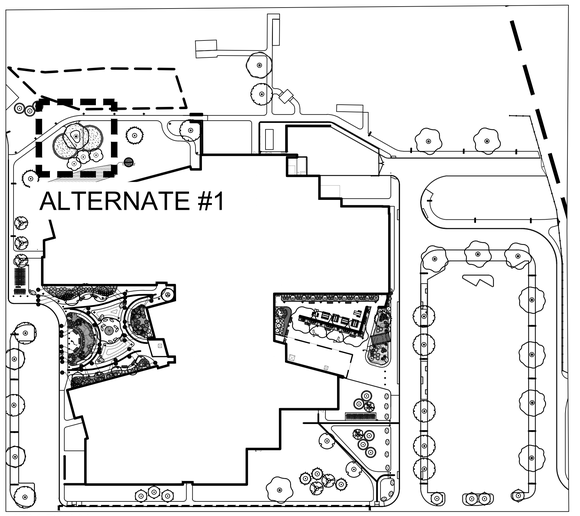
SCALE: AS INDICATED_30"

DRAWN BY: Y.
CHECKED BY: S. D'AMBROSIA
FAHD

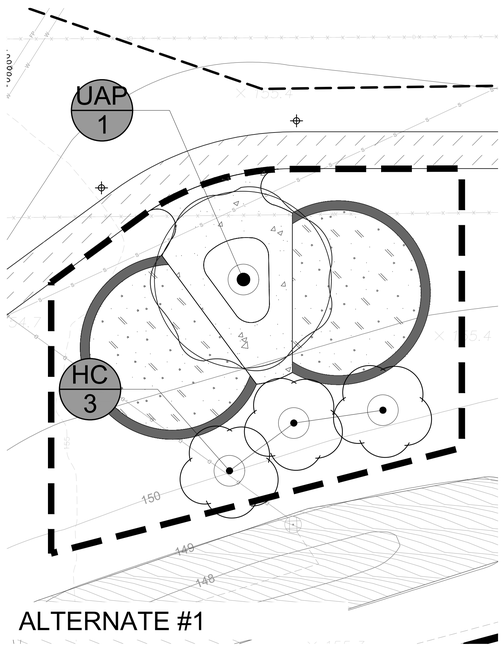
DATE	REMARKS

LP 1.22

JOB NUMBER 4006



KEY PLAN
NOT TO SCALE



NORTH

0 10 20 30 40 feet
1" = 10'

PLANT SCHEDULE LP1.22A

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL
TREES					
	HC	3	Halesia carolina 'Uconn Wedding Bells' / Wedding Bells Carolina Silverbell	B & B	2"-2.5" Cal.
	UAP	1	Ulmus americana 'Princeton' / Princeton American Elm	B & B	2"-2.5" Cal.

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MAJOR LAND DEVELOPMENT–MASTER PLAN
SUBMISSION
09/11/2024

REGISTERED LANDSCAPE ARCHITECT
JAMES R. BROWN
No. 428

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
HARDSCAPE PLAN – ALT#1
OUTDOOR [illegible]

DATE	REMARKS

DRAWING NUMBER
L
1.22A
JOB NUMBER 220432

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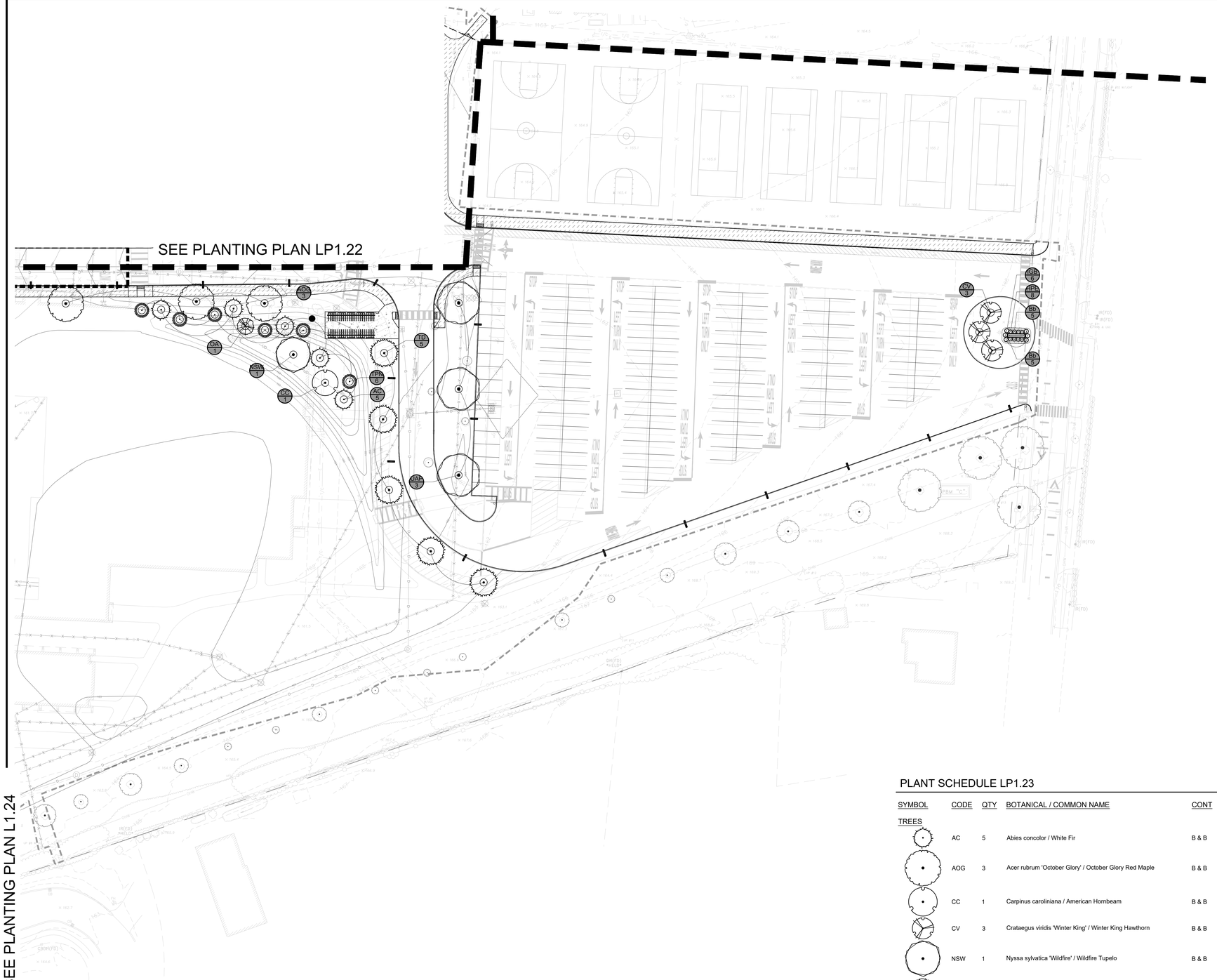

PLANT SCHEDULE LP1.23

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES						
	AC	5	Abies concolor / White Fir	B & B		6`-7` H
	AOG	3	Acer rubrum 'October Glory' / October Glory Red Maple	B & B	2"-2.5" Cal.	
	CC	1	Carpinus caroliniana / American Hornbeam	B & B	2"-2.5" Cal.	
	CV	3	Crataegus viridis 'Winter King' / Winter King Hawthorn	B & B	2.5-3" Cal.	
	NSW	1	Nyssa sylvatica 'Wildfire' / Wildfire Tupelo	B & B	2.5-3" Cal.	
	OA	1	Oxydendrum arboreum / Sourwood Tree	B & B		6`-7` H
	TD	5	Taxodium distichum / Bald Cypress	B & B		7`-8` H
	TPN	6	Thuja plicata 'Northern Spire' / Northern Spire Western Red Cedar	B & B		5`-6` H
	UAP	3	Ulmus americana 'Princeton' / Princeton American Elm	B & B	2"-2.5" Cal.	

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
SHRUBS					
	HPE	8	Hydrangea paniculata 'AJ14' / Early Evolution Hydrangea	3 gal	
	IGB	6	Ilex glabra 'SMNIGAB17' / Gem Box® Inkberry Holly	3 gal	

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
PERENNIALS/GRASSES					
	Bb	10	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	#1	24" o.c.

KEYPLAN

DATE	REMARKS

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130 Bishop Allen
Cambridge, MA
02139
617.547.9111
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MAJOR LAND DEVELOPMENT–MASTER PLAN
SUBMISSION
09/11/2024

REGISTERED LANDSCAPE ARCHITECT
JAMES E. BROWN
No. 428
STATE OF RHODE ISLAND

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

PLANTING PLAN
SCALE: AS SHOWN
MONDAY, JANUARY 29, 2024

DRAWN BY: Y.
CHECKED BY: S. D'AMBROSIA
FAWG

PROJECT NUMBER
LP
1.23

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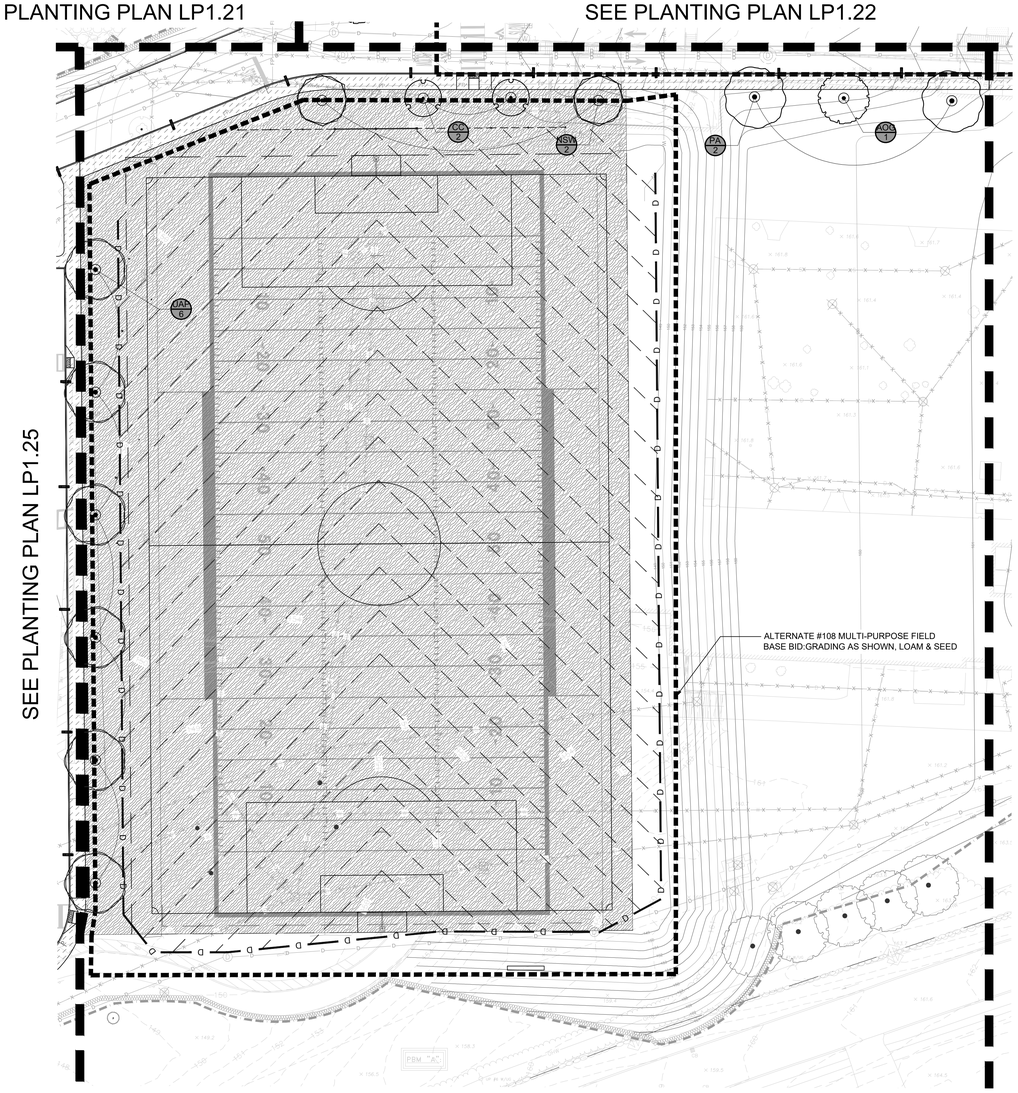
SEE PLANTING PLAN LP1.21

SEE PLANTING PLAN LP1.22



SEE PLANTING PLAN LP1.25

SEE PLANTING PLAN LP1.23

PLANT SCHEDULE LP1.24

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL
TREES					
	AOG	1	Acer rubrum 'October Glory' / October Glory Red Maple	B & B	2"-2.5" Cal.
	CC	2	Carpinus caroliniana / American Hornbeam	B & B	2"-2.5" Cal.
	NSW	2	Nyssa sylvatica 'Wildfire' / Wildfire Tupelo	B & B	2.5-3" Cal.
	PA	2	Platanus x acerifolia 'Morton Circle' / Exclamation!™ London Plane Tree	B & B	3"-3.5" Cal.
	UAP	6	Ulmus americana 'Princeton' / Princeton American Elm	B & B	2"-2.5" Cal.

NORTH

0 30 60 90 120 feet

1" = 30'

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PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

TRAVERSE landscape architects
160 Boylston Street
Boston, MA 02116
617.423.2227
www.traversela.com

KEYPLAN

DATE	REMARKS

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

PLANTING PLAN

DRAWN BY: Y. S.
CHECKED BY: D'AMBROSIA
SCALE: AS INDICATED
PROJECT NO: 2307

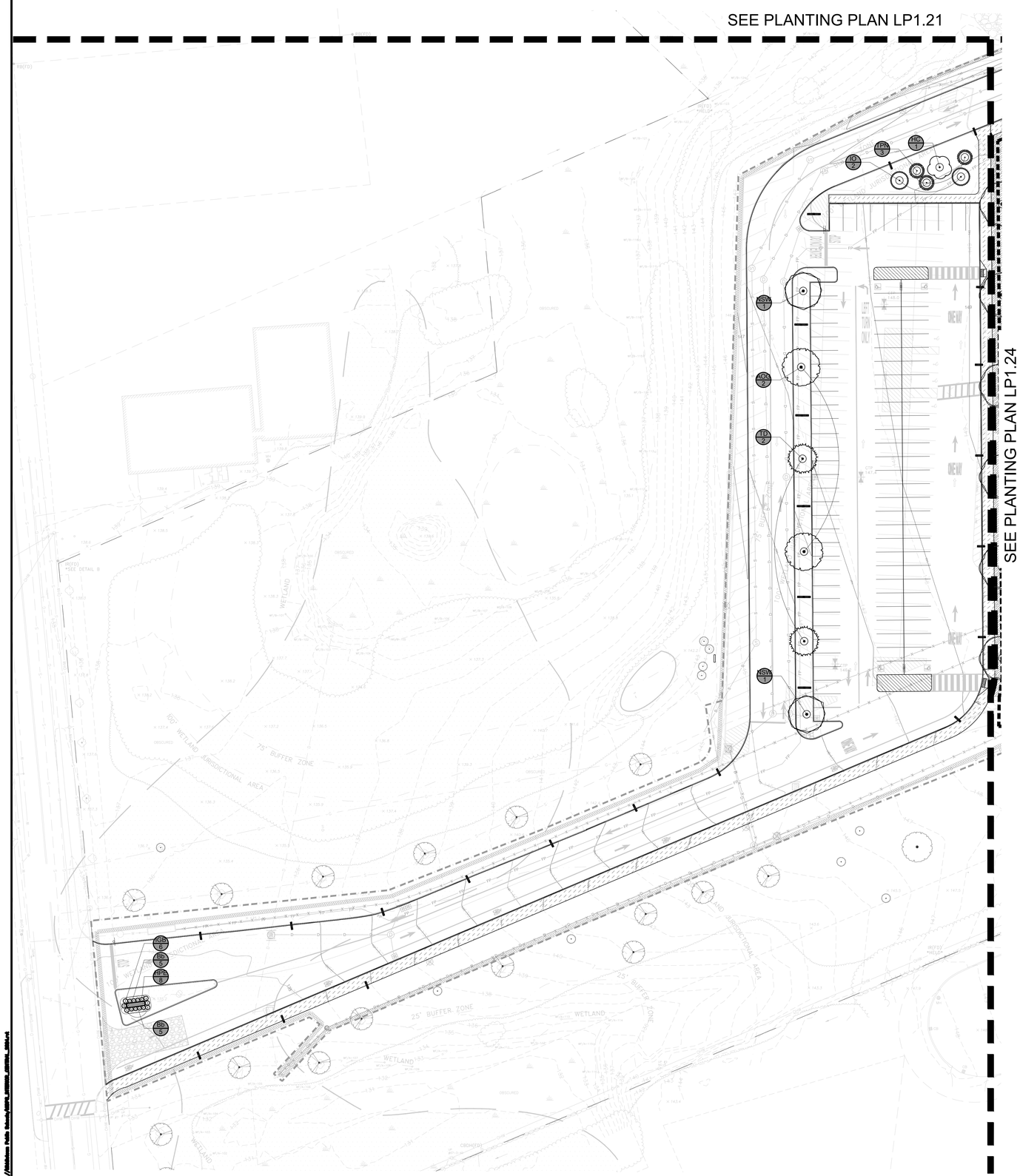
MAJOR LAND DEVELOPMENT-MASTER PLAN SUBMISSION 09/11/2024

ISSUED FOR PERMIT

LP 1.24

AS NOTED

3/6/2024 8:39:28 Autodesk Docs://Middletown Public Schools/Middletown_MS&HS_22307_Central_detached.rvt



NORTH

0 30 60 90 120 feet

1" = 30'

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES						
	AOG	2	Acer rubrum 'October Glory' / October Glory Red Maple	B & B	2"-2.5" Cal.	
	HC	1	Halesia carolina 'Uconn Wedding Bells' / Wedding Bells Carolina Silverbell	B & B	2"-2.5" Cal.	
	IO	2	Ilex opaca / American Holly	B & B		5`-6` H
	NSW	2	Nyssa sylvatica 'Wildfire' / Wildfire Tupelo	B & B	2.5-3" Cal.	
	TD	2	Taxodium distichum / Bald Cypress	B & B		7`-8` H
	TPN	3	Thuja plicata 'Northern Spire' / Northern Spire Western Red Cedar	B & B		5`-6` H

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
SHRUBS					
	HPE	8	Hydrangea paniculata 'AJ14' / Early Evolution Hydrangea	3 gal	
	IGB	6	Ilex glabra 'SMNIGAB17' / Gem Box® Inkberry Holly	3 gal	

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
PERENNIALS/GRASSES					
	Bb	10	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	#1	24" o.c.

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130 Bishop Allen Drive, MA 02139
617.868.1200
hmfh.com

DBVW ARCHITECTS
111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

TRAVERSE
landscape architects
160 Boylston Street
Boston, MA 02116
www.traversela.com

MAJOR LAND DEVELOPMENT–MASTER PLAN
SUBMISSION
09/11/2024

REGISTERED LANDSCAPE ARCHITECT JAMES BROWN No. 428

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

PLANTING PLAN

SCALE: AS INDICATED
DRAWN BY: Y. FANG
CHECKED BY: S. D'AMBROSIA

DATE	REMARKS

LP 1.25

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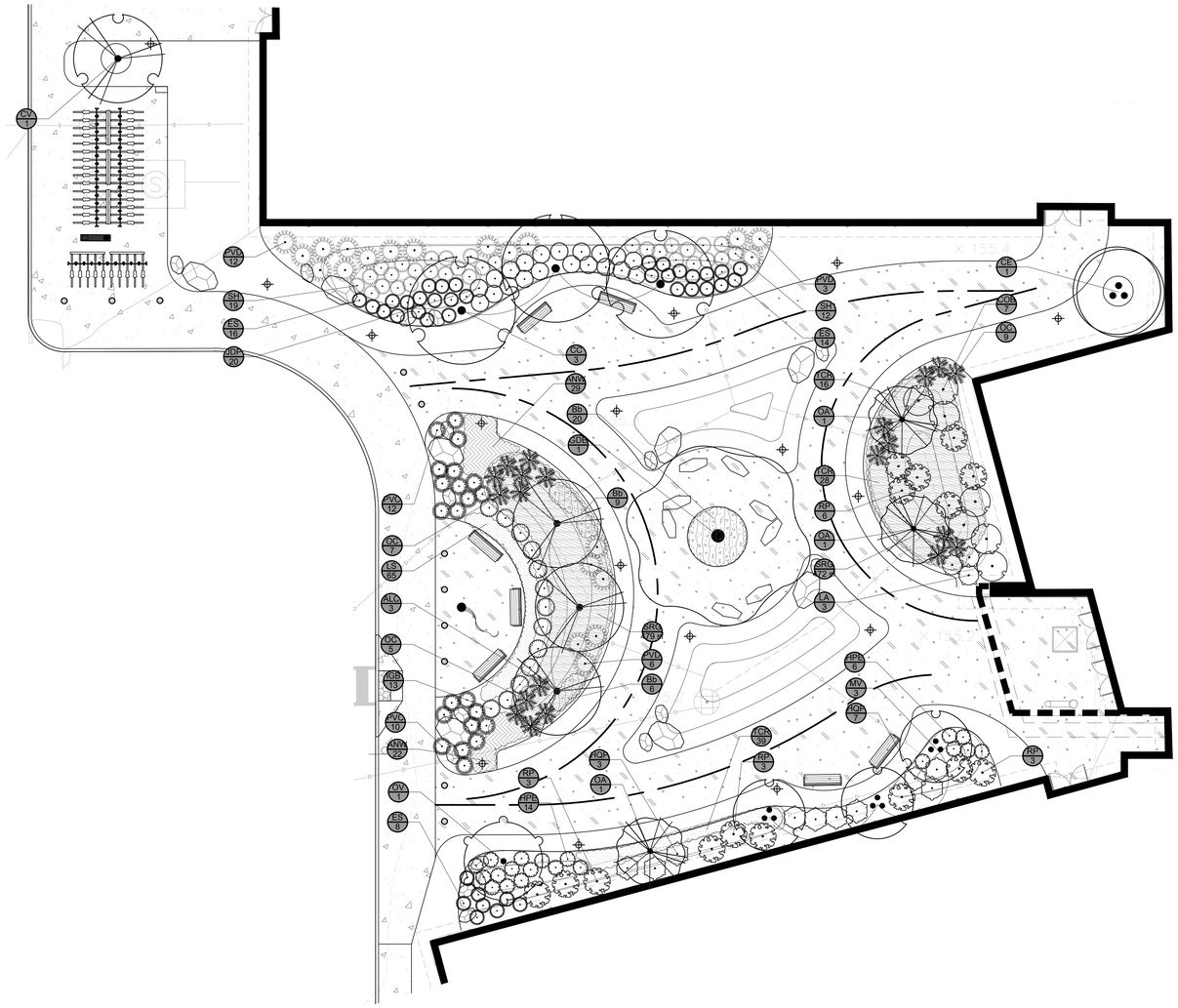

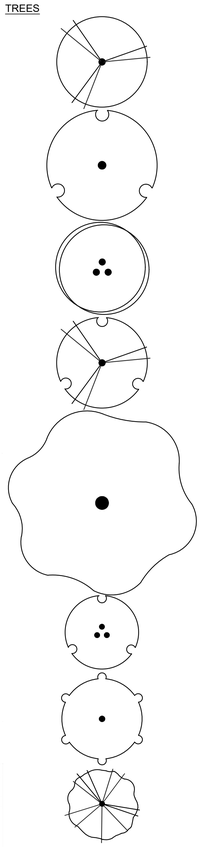

PLANT SCHEDULE LP1.41

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES						
	ALC	3	Amelanchier laevis 'Cumulus' / Cumulus Allegheny Serviceberry	B&B Single Stem	2"-2.5" Cal.	
	CC	3	Carpinus caroliniana / American Hornbeam	B & B	2"-2.5" Cal.	
	CE	1	Cercis canadensis / Eastern Redbud Multi-trunk	B&B		7`-8` H
	CV	1	Crataegus viridis 'Winter King' / Winter King Hawthorn	B & B	2.5-3" Cal.	
	GDE	1	Gymnocladus dioicus 'Espresso' / Kentucky Coffeetree	B & B	2"-2.5" Cal.	
	MV	3	Magnolia virginiana 'Jim Wilson' / Moonglow® Sweetbay Magnolia	Multi-stem B&B		6`-7` H
	OV	1	Ostrya virginiana / American Hophornbeam	B & B	2"-2.5" Cal.	
	OA	3	Oxydendrum arboreum / Sourwood Tree	B & B		6`-7` H

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
SHRUBS					
	COB	7	Cephalanthus occidentalis 'Bailoptics' / Fiber Optics® Buttonbush	#3	
	HPE	20	Hydrangea paniculata 'AJ14' / Early Evolution Hydrangea	#3	
	HQP	10	Hydrangea quercifolia 'Pee Wee' / Pee Wee Oakleaf Hydrangea	#3	
	IGB	13	Ilex glabra 'SMNIGAB17' / Gem Box® Inkberry Holly	#3	
	JDP	20	Juniperus davurica 'Parsonii' / Parson's Juniper	#2	
	LA	3	Leucothoe axillaris / Coastal Leucothoe	#3	
	RP	15	Rhododendron periclymenoides / Pinxterbloom Azalea	#3	
PERENNIALS/GRASSES					
	ES	38	Eragrostis spectabilis / Purple Lovegrass	#2	
	OC	21	Osmunda cinnamomea / Cinnamon Fern	#3	
	PVC	22	Panicum virgatum 'Cape Breeze' / Cape Breeze Switch Grass	#3	
	PVD	21	Panicum virgatum 'Dallas Blues' / Dallas Blues Switch Grass	#3	
	SH	31	Sporobolus heterolepis / Prairie Dropseed	#2	

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
SHRUB AREAS					
	SRG	951 sf	Seed Mix / Rain Garden Seed Mix	Seed	

NORTH

0 10 20 30 40 feet

1" = 10'

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130 Bishop Allen
Cambridge, MA
02139-1517
617.868.1200
hmfh.com

DBVW ARCHITECTS
111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

TRAVERSE
landscape architects
111 Chestnut Street
Providence, RI 02903
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MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

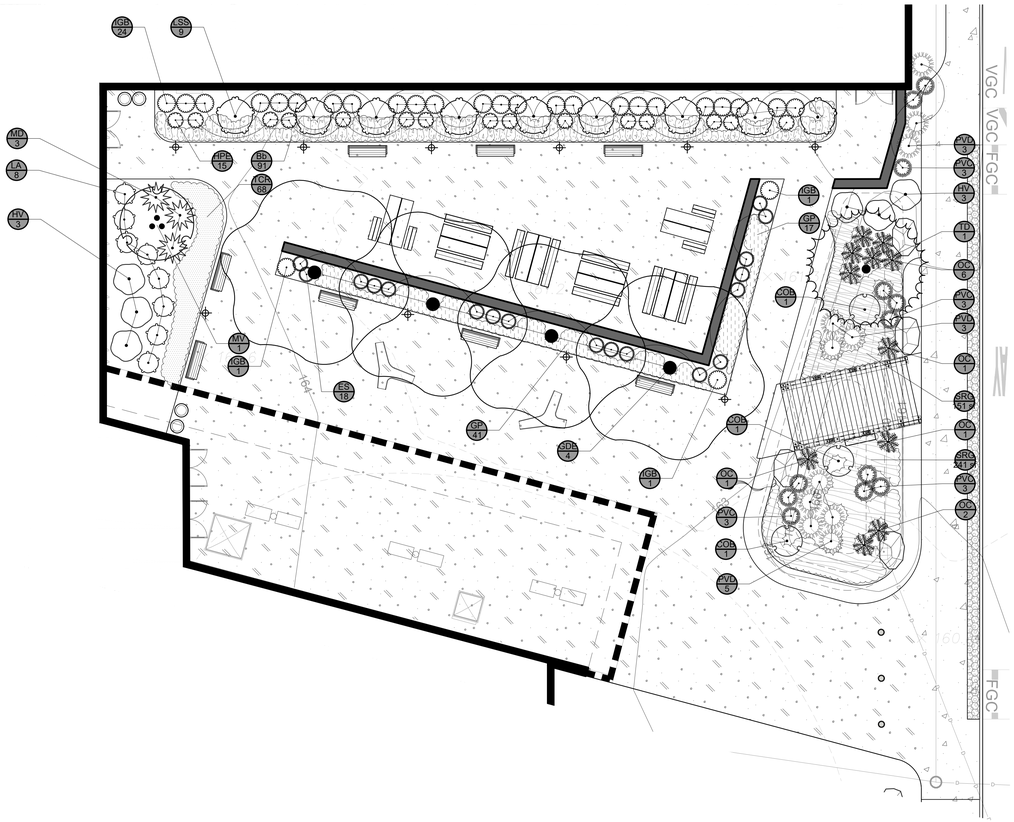
MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

ENLARGEMENT PLANTING PLAN

SCALE: AS INDICATED
DRAWN BY: PMG
CHECKED BY: DMD

DATE	REMARKS

SHEET NUMBER
LP 1.41



NORTH

0 10 20 30 40 feet

1" = 10'

PLANT SCHEDULE LP1.42

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE
TREES						
	GDE	4	Gymnocladus dioicus 'Espresso' / Kentucky Coffeetree	B & B	2"-2.5" Cal.	
	LS	9	Liquidambar styraciflua 'Slender Silhouette' / Slender Silhouette Sweet Gum	B & B		6`-7` H
	MV	1	Magnolia virginiana 'Jim Wilson' / Moonglow® Sweetbay Magnolia	Multi-stem B&B		6`-7` H
	TD	1	Taxodium distichum / Bald Cypress	B & B		7`-8` H

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
SHRUBS					
	COB	3	Cephalanthus occidentalis 'Bailoptics' / Fiber Optics® Buttonbush	3 gal	
	HV	6	Hamamelis vernalis / Ozark Witchhazel	#7	3`-4` H
	HPE	15	Hydrangea paniculata 'AJ14' / Early Evolution Hydrangea	3 gal	
	IGB	27	Ilex glabra 'SMNIGAB17' / Gem Box® Inkberry Holly	3 gal	
	LA	8	Leucothoe axillaris / Coastal Leucothoe	#3	
	MD	3	Microbiota decussata / Siberian Carpet Cypress	3 gal	
PERENNIALS/GRASSES					
	CL	18	Chasmanthium latifolium / Northern Sea Oats	#2	
	OC	11	Osmunda cinnamomea / Cinnamon Fern	3 gal	
	PVC	12	Panicum virgatum 'Cape Breeze' / Cape Breeze Switch Grass	3 gal	
	PVD	11	Panicum virgatum 'Dallas Blues' / Dallas Blues Switch Grass	3 gal	

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
SHRUB AREAS					
	SRG	392 sf	Seed MIx / Rain Garden Seed Mix	Seed	
GROUND COVERS					
	GP	58	Gaultheria procumbens / Wintergreen	#1	24" o.c.
	TCR	68	Tiarella cordifolia 'Running Tapestry' / Running Tapestry Foamflower	#1	18" o.c.
PERENNIALS/GRASSES					
	Bb	91	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	#1	24" o.c.

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TRAVERSE landscape architects

MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

ENLARGEMENT PLANTING PLAN
SCALE: 1/8" = 1'-0"
DRAWN BY: Y. D'AMBROSIA
CHECKED BY: E. FANO
MODEL FILE: LP1.42

DATE	REMARKS

ISSUED FOR: LP

SHEET NUMBER: 1.42

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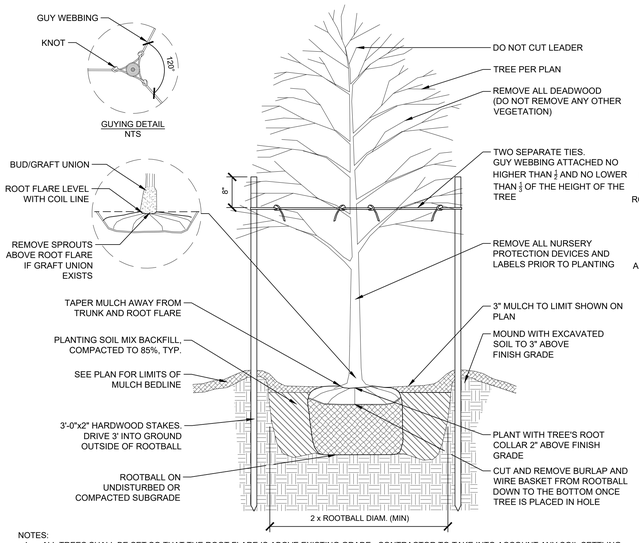
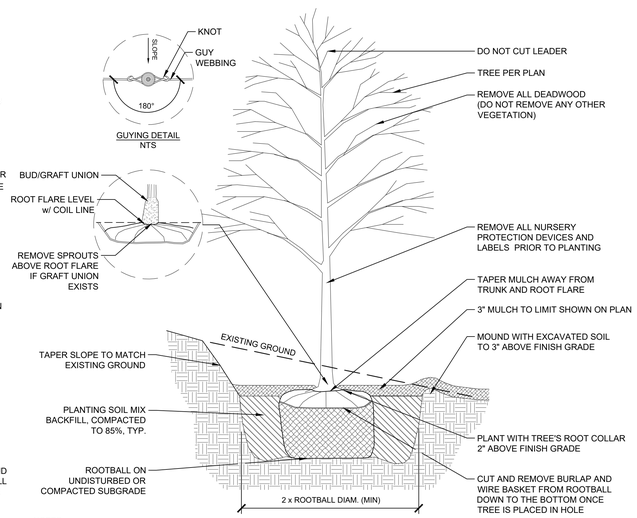


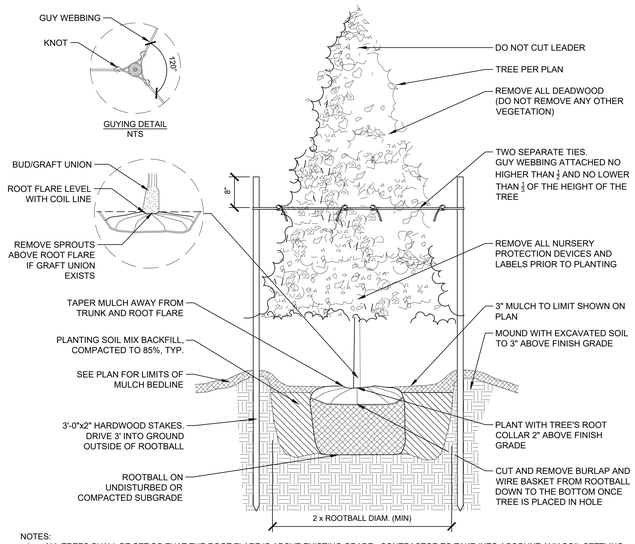
NOTES:
1. ALL TREES SHALL BE SET SO THAT THE ROOT FLARE IS ABOVE EXISTING GRADE. CONTRACTOR TO TAKE INTO ACCOUNT ANY SOIL SETTLING BELOW ROOT BALL.
2. AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.
3. ALL TREES NOT LOCATED WITHIN A LARGER MULCHED PLANTING BED SHALL RECEIVE A 5' DIAMETER MULCH BED AROUND THE BASE OF THE TREE. IN NO INSTANCE SHALL MULCH BE PILED UP AROUND THE ROOT FLARE.

1 DECIDUOUS TREE PLANTING AND STAKING
3/4" = 1'-0"



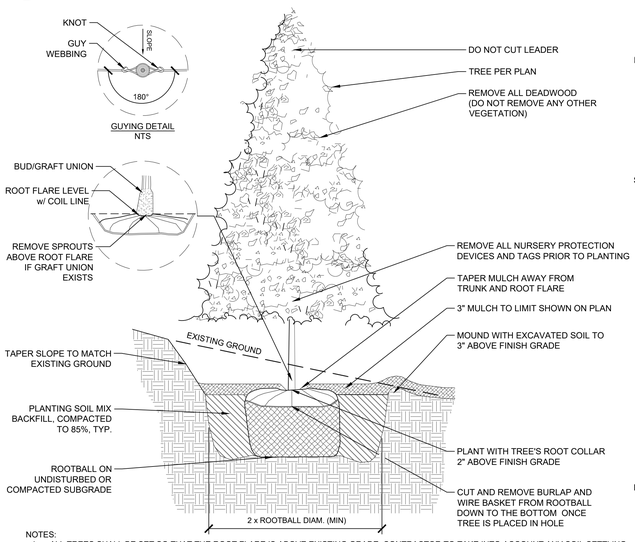
NOTES:
1. ALL TREES SHALL BE SET SO THAT THE ROOT FLARE IS ABOVE EXISTING GRADE. CONTRACTOR TO TAKE INTO ACCOUNT ANY SOIL SETTLING BELOW ROOT BALL.
2. SLOPE PLANTING STAKES SHALL BE PLACED PARALLEL TO SLOPE.
3. AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.
4. ALL TREES NOT LOCATED WITHIN A LARGER MULCHED PLANTING BED SHALL RECEIVE A 5' DIAMETER MULCH BED AROUND THE BASE OF THE TREE. IN NO INSTANCE SHALL MULCH BE PILED UP AROUND THE ROOT FLARE.

2 DECIDUOUS TREE PLANTING AND STAKING ON SLOPE
3/4" = 1'-0"



NOTES:
1. ALL TREES SHALL BE SET SO THAT THE ROOT FLARE IS ABOVE EXISTING GRADE. CONTRACTOR TO TAKE INTO ACCOUNT ANY SOIL SETTLING BELOW ROOT BALL.
2. AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.
3. ALL TREES NOT LOCATED WITHIN A LARGER MULCHED PLANTING BED SHALL RECEIVE A 5' DIAMETER MULCH BED AROUND THE BASE OF THE TREE. IN NO INSTANCE SHALL MULCH BE PILED UP AROUND THE ROOT FLARE.

3 EVERGREEN TREE PLANTING AND STAKING
3/4" = 1'-0"



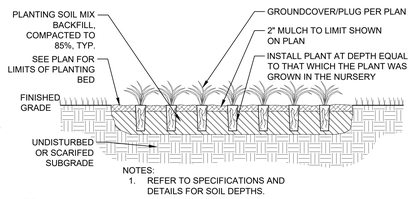
NOTES:
1. ALL TREES SHALL BE SET SO THAT THE ROOT FLARE IS ABOVE EXISTING GRADE. CONTRACTOR TO TAKE INTO ACCOUNT ANY SOIL SETTLING BELOW THE ROOT BALL
2. SLOPE PLANTING STAKES SHALL BE PLACED PARALLEL TO SLOPE.
3. AFTER THE GUARANTEE PERIOD THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF STAKES AND GUY WEBBING.
4. ALL TREES NOT LOCATED WITHIN A LARGER MULCHED PLANTING BED SHALL RECEIVE A 5' DIAMETER MULCH BED AROUND THE BASE OF THE TREE. IN NO INSTANCE SHALL MULCH BE PILED UP AROUND THE ROOT FLARE.

4 EVERGREEN TREE PLANTING AND STAKING ON SLOPE
3/4" = 1'-0"

5 SHRUB PLANTING
1" = 1'-0"

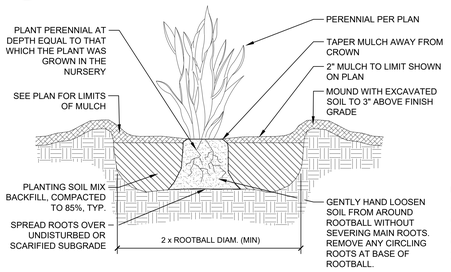
6 SHRUB PLANTING ON SLOPE
1" = 1'-0"

7 CONTAINER GROWN SHRUB PLANTING
1" = 1'-0"

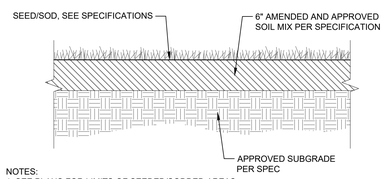


NOTES:
1. REFER TO SPECIFICATIONS AND DETAILS FOR SOIL DEPTHS.

9 GROUNDCOVER & PLUG PLANTING
1" = 1'-0"

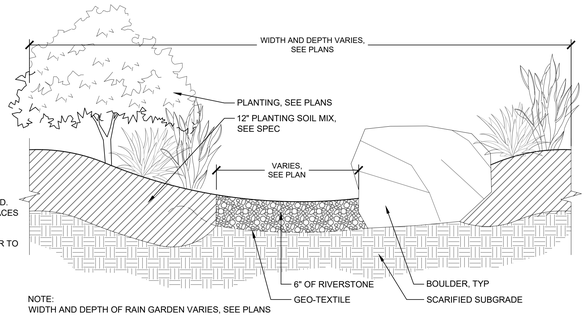


8 GRASS OR PERENNIAL PLANTING
1" = 1'-0"



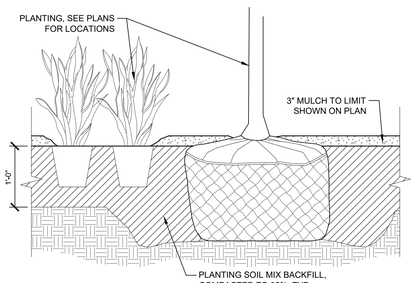
NOTES:
1. SEE PLANS FOR LIMITS OF SEEDED/SODDED AREAS.
2. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR WITH 6 INCHES LOAM AND SEED/SOD.
3. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 6 INCHES LOAM AND SEED/SOD.
4. CONTRACTOR SHALL ENSURE A FULL 6" DEPTH OF LOAM AFTER ROLLING, RAKING, AND WATERING. PREPARED SEED BED SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT PRIOR TO SEEDING ACTIVITIES.

10 LOAM & SEED
1" = 1'-0"



NOTE:
WIDTH AND DEPTH OF RAIN GARDEN VARIES, SEE PLANS

11 RAIN GARDEN-BIOSWALE PROFILE
1" = 1'-0"



NOTE:
THIS SOIL PROFILE SHALL BE PROVIDED FOR MULCHED PLANTING BEDS.

12 SOIL PROFILE FOR PLANTING BEDS
1" = 1'-0"

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111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

TRAVERSE
landscape architects
Phone: 617.497.2277
Fax: 617.497.2282
www.traversela.com

MAJOR LAND DEVELOPMENT–MASTER PLAN SUBMISSION 09/11/2024

KEYPLAN

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI

DRAWN BY: Y. FANG
CHECKED BY: S. D'AMERICA
SCALE: AS INDICATED

DATE	REMARKS

DRAWING NUMBER
LP 3.01

GENERAL NOTES - FINISH FLOOR PLAN

1. FLOOR PLAN GENERAL NOTES, FLOOR PLAN LEGEND & ABBREVIATIONS APPLY TO THE A1 SERIES SHEETS.
2. REFER TO INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION ON WALL FINISH MATERIALS AND TYPICAL MOUNTING HEIGHTS.
3. REFER TO DOOR AND BORROWED LIGHT SCHEDULE, WALL SECTIONS AND DETAILS FOR MATERIALS/ CONSTRUCTION OVER HEADS OF FLOOR TO CEILING FRAMES.
4. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH MATERIALS.
5. INTERIOR DIMENSIONS SHOWN ARE INDICATED TO FINISH WALL (MASONRY OR GYPSUM BOARD) MATERIALS UNLESS NOTED OTHERWISE.
6. EXTERIOR MASONRY DIMENSIONS ARE SHOWN TO CENTERLINE OF JOINTS.
7. EXTERIOR FENESTRATION MASONRY OPENINGS (MO) DIMENSIONS SHOWN ARE NOMINAL. REFER TO ASSOCIATED FENESTRATION SCHEDULE FOR ACTUAL OPENING DIMENSIONS REQUIRED (AO).
8. MEPFP ELEMENTS SHOWN ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. UNLESS DIMENSIONED FOR LOCATION IN INTERIOR ELEVATIONS. REFER TO ASSOCIATED MEPFP DRAWINGS AND SPECIFICATIONS FOR MORE INFORMATION.

LEGEND - FINISH FLOOR PLAN

(SEE SHEET A0.1 FOR ADDITIONAL SYMBOLS)

- NEW WALL OR PARTITION
- MASONRY WALL OR INFILL (SEE PARTITION TYPES & DETAILS FOR MORE INFORMATION) — CMU, BRICK
- INTERIOR PARTITION TYPES TAG (SEE DRAWING A8.1) — 01/A 0HR, 01/A 1HR, 01/A 2HR
- DOOR NUMBER TAG (SEE SCHEDULE A9 SERIES DRAWINGS) — A101.5
- INTERIOR BORROWED LIGHT TAG (SEE SCHEDULE A9 SERIES DRAWINGS) — BL101
- MILLWORK TAG (SEE SCHEDULE A8.5.1) — M-01
- INTERIOR HOLLOW METAL LIGHT TAG (SEE SCHEDULE A9.3.1) — HM01
- LOCKER TAG (SEE LOCKER SCHEDULE) — LKR-1
- ROOM NAME → Room name; BUILDING PART LOCATOR (SEE KEYPLAN) AXXX A1; ROOM NUMBER; ROOM FINISH TYPE (SEE ROOM FINISH SCHEDULE)
- FOOT-GRILLE OR WALK-OFF MAT — WAMR-1
- MECHANICAL, PLUMBING & FIRE PROTECTION ELEMENTS (SEE GENERAL NOTE #8)

ABBREVIATIONS - FINISH FLOOR PLAN

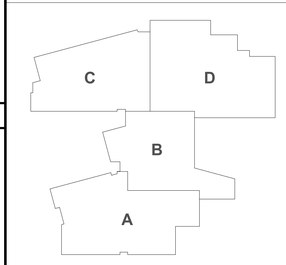
(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATIONS)

AED	= DEFIBRILLATOR- RECESSED CABINET		104100
CS	= CLOCK SPEAKER UNIT		260000
CONC-P	= RAISED CONCRETE PAD		033000
CUH	= CABINET UNIT HEATER		230000
CWFP	= CEMENT WOOD FIBER PANEL		064020
CWFP-T	= CEMENT WD FIBER PANEL W/ TRIM	064020	098400
DD	= DISPLACEMENT DIFFUSER		230000
DF	= DRINKING FOUNTAIN		220000
EJC	= EXPANSION JOINT COVER		079500
EM	= ENTRY MAT		124810
EVAC	= EMERGENCY VOICE EVACUATION PANEL		260000
EWC	= ELECTRIC WATER COOLER		220000
FAA	= FIRE ALARM ANNUNCIATOR PANEL		260000
FACP	= FIRE ALARM CONTROL PANEL		260000
FD	= FLOOR DRAIN		220000
FDVC	= FIRE DEPARTMENT VALVE CABINET		210000
FE-B	= FIRE EXTINGUISHER- BRACKET MTD		104400
FE-BKT	= FIRE EXTNGSHR/BLANKET - RECESSED CABINET		104400
FE-R	= FIRE EXTINGUISHER- RECESSED CABINET		104400
FTR	= FIN TUBE RADIATION		230000
HC	= HANDICAPPED ACCESSIBLE		
HS	= HAND SINK		114000
MB	= MARKER BOARD		101100
MB-C	= MARKER BOARD-CUSTOM FRAME	064020	101100
PS-S	= PROJECTION SCREEN-SURFACE MTD	115210	115213
PTD-S	= PAPER TOWEL DISPENSER-SURFACE MTD		102800
SD-S	= SOAP DISPENSER		102800
TB	= TACK BOARD		101100
TB-C	= TACK BOARD-CUSTOM FRAME	064020	101100
WAM-R	= WALK-OFF MAT-RECESSED		124810
WAM-S	= WALK-OFF MAT-SURFACE		124810

KEYNOTE LIST

033000	CAST-IN-PLACE CONCRETE
064020	INTERIOR ARCHITECTURAL WOODWORK
079500	EXPANSION CONTROL
098400	ACOUSTIC ROOM COMPONENTS
101100	VISUAL DISPLAY SURFACES
102800	TOILET ACCESSORIES
104100	AED CABINET
104400	FIRE PROTECTION SPECIALTIES
114000	FOOD SERVICE EQUIPMENT
115210	PROJECTION SCREENS
115213	PROJECTION SCREENS - PERFORMANCE SPACES
124810	ENTRANCE FLOOR MATS AND FRAMES
210000	Division 21 - Fire Suppression
220000	Division 22 - Plumbing
230000	Division 23 - Heating Ventilating and Air Conditioning
260000	Division 26 - Electrical

KEYPLAN



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HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617.547.5200
@HMFHarch hmfh.com

DBVW ARCHITECTS
111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

MAJOR LAND DEVELOPMENT - MASTER PLAN SUBMISSION **09/11/2024**

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
FIRST FLOOR PLAN - OVERALL

SCALE: As indicated DRAWN BY: Author CHECKED BY: Checker

DRAWING NUMBER A 1.1

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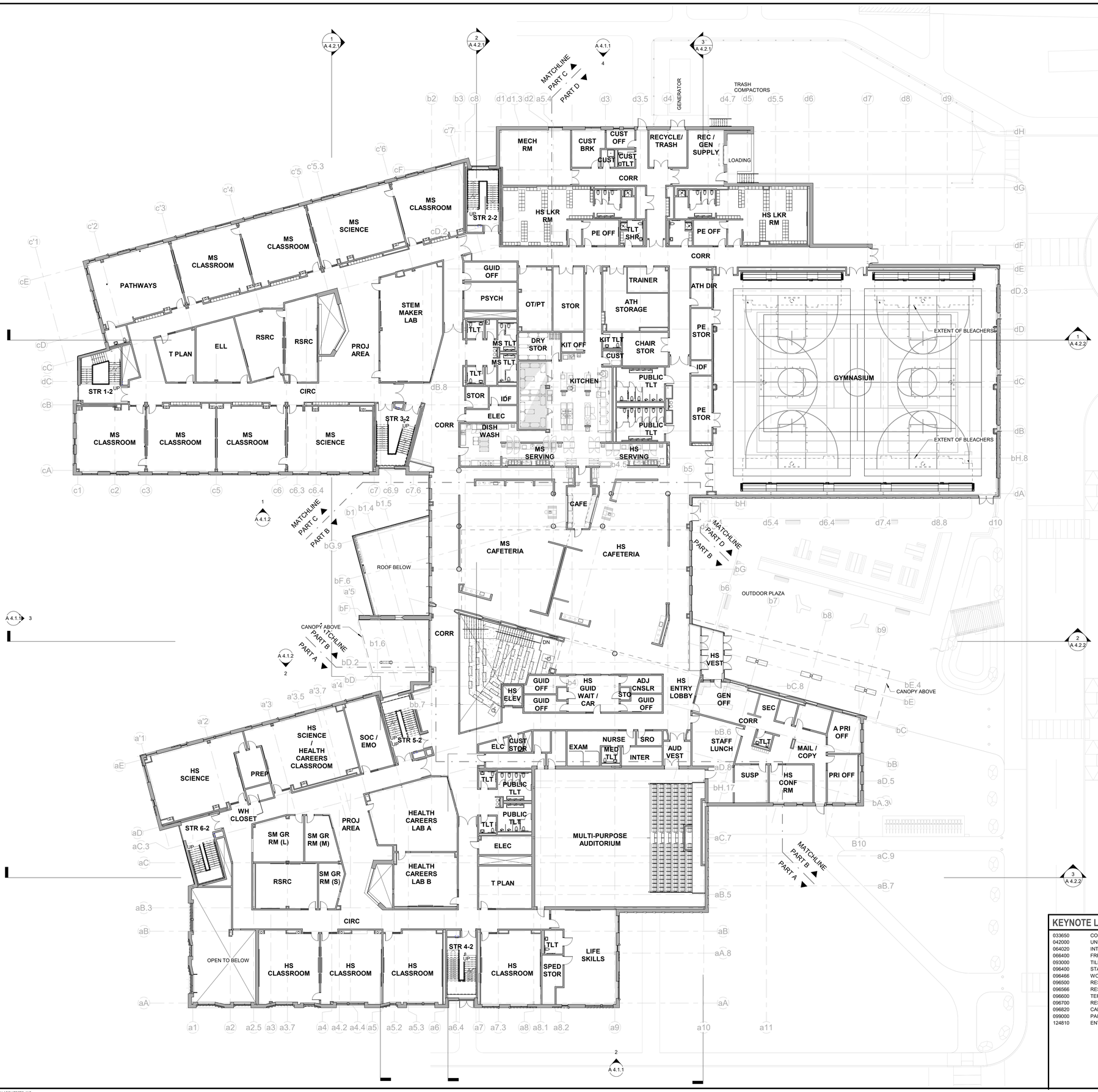


ABBREVIATIONS-ROOM FINISH SCHEDULE

(SEE SHEET A.01 FOR ADDITIONAL ABBREVIATIONS)

AFC-1	= ARCH. FINISHED CONCRETE - POLISHED	033650
AFC-2	= ARCH. FINISHED CONCRETE - SEALED	033650
BRK	= BRICK	042000
CRPT	= CARPET	096820
CT	= CERAMIC TILE	093000
CT-CB	= CERAMIC TILE - COVE BASE	093000
DCMU	= DECORATIVE CONCRETE MASONRY UNIT	042000
EM	= ENTRY MAT	124810
EPX	= EPOXY PAINT	096700
EPX-CB	= EPOXY PAINT - COVE BASE	096700
EXP-C	= EXPOSED CONCRETE / SEALER	099000
EXP-U	= EXPOSED - UNPAINTED	
FAF	= FLUID APPLIED FLOORING	096700
FG	= FOOT-GRILLE	124810
FRP	= FIBERGLASS REINFORCED PLASTIC PANELING	066400
IRFT	= INTERLOCKING RUBBER FLOOR TILE	096566
PCT	= PORCELAIN TILE	093000
PCT-CB	= PORCELAIN TILE - COVE BASE	093000
PCT-B	= PORCELAIN TILE - STRAIGHT BASE	093000
PNT	= PAINT	099000
PNT-HP	= PAINT - HIGH PERFORMANCE	099000
RAF	= RESILIENT ATHLETIC FLOORING	096566
RBRF	= RUBBER FLOORING	096500
RF	= RESILIENT FLOORING	096500
RB	= RESILIENT BASE	096500
RFS	= RESINOUS FLOORING SYSTEM	096700
SWF	= STAGE WOOD FLOORING - PAINTED (096400)	099000
TERR	= TERRAZZO FLOORING	096600
VCB	= VENTILATING COVE BASE (096400)	096466
VF	= VINYL FLOORING	096500
WAF	= WOOD ATHLETIC FLOORING	096466
WD	= WOOD WALL PANELING	064020

MASTER ROOM FINISH SCHEDULE

(REFER TO SCHEDULE NOTES BELOW FOR REMARKS)

Room Key	BASE	FLOOR	NORTH	SOUTH	EAST	WEST	REMARKS
VESTIBULES / CORRIDORS / LOBBIES							
A1	RB	RF	CT/PNT	CT/PNT	CT/PNT	CT/PNT	
A2	RB	RF	CT/PNT	CT/PNT	CT/PNT	CT/PNT	(d)
A3	RB	RF	PNT	PNT	PNT	PNT	
A4	RB	RF	PNT	PNT	PNT	PNT	(h)
A5							
ASSEMBLY SPACES							
B1	VCB	WDFLR	PNT	PNT	PNT	PNT	(h)(f)
B2	RB	RAF	PNT	PNT	PNT	PNT	(h)(f)
B3	RB	CRPT	WD/PNT	WD/PN T	WD/PNT	WD/PN T	(e)(c)
B4	RB	CRPT	PNT	PNT	PNT	PNT	
CLASSROOMS							
C1	RB	RF	PNT	PNT	PNT	PNT	
C2	RB	RF	PNT	PNT	PNT	PNT	
C3	RB	RF	PNT	PNT	PNT	PNT	
C4	RB	AFC-2	PNT	PNT	PNT	PNT	
OFFICES							
D1	RB	RF	PNT	PNT	PNT	PNT	
D2							
D3							
STAIRS							
E1	RB	RF/RBRF	PNT	PNT	PNT	PNT	(g)(h)
E2	RB	RF/RBRF	PNT	PNT	PNT	PNT	
E3	RB	ACF-2	PNT	PNT	PNT	PNT	
TOILET ROOMS / LOCKER ROOMS							
F1	EPX-CB	EPX	CT	PNT-HP	PNT-HP	PNT-HP	(a)
F2	EPX-CB	EPX	CT/PNT-HP	CT/PNT -HP	CT/PNT-HP	CT/PNT -HP	(b)
F3	EPX-CB	EPX	PNT-HP	PNT-HP	PNT-HP	PNT-HP	
F4							
SERVICE ROOMS / STORAGE / KITCHEN							
G1	RB	EXP-C	PNT	PNT	PNT	PNT	(i)
G2	RB	RF	PNT	PNT	PNT	PNT	
G3	VF-CB	VF	FRP	FRP	FRP	FRP	
G4	RB	WDFLR	PNT	PNT	PNT	PNT	(e)

ROOM FINISH SCHEDULE NOTES

a. PROVIDE FULL HEIGHT CERAMIC TILE ON WET WALL AS INDICATED IN ELEVATIONS. ALL OTHER WALLS SHALL RECEIVE PAINT FINISH - TYPICAL AT SINGLE- USER TOILETS.

b. PROVIDE FULL HEIGHT CERAMIC TILE ON WET WALL AS INDICATED IN ELEVATIONS. ALL OTHER WALLS SHALL RECEIVE TILE WAINSCOATING TO 7'-0" AFF - TYPICAL AT SHARED TOILETS AND LOCKERROOM WALLS WHERE LOCKERS ARE ABSENT.

c. COMBINATION OF WOOD PANELING AND ACOUSTIC WOOD WALL PANELS (098400) WAINSCOTING. 30% OF WOOD WALL PANELS TO BE PERFORATED WITH ACOUSTIC BACKING. PANELING HEIGHT IS 7'-0" AFF, PAINTED GWB ABOVE. SEE INTERIOR ELEVATIONS.

d. PORCELAIN TILE WAINSCOTING AT 7'-2" IN CAFETERIA (EXCEPT AT LOW PARTITIONS AND AS SHOWN ON INTERIOR ELEVTIONS), AND PUBLIC AREAS.

e. PAINTED WOOD FLOORING AT THE STAGE AND STAGE EXTENSION, CARPET AT THE AISLES, AND EXPOSED CONCRETE WITH HARDENER AT FIXED SEATS. REFER TO INTERIOR ELEVATIONS FOR EXTENT OF WALL FINISHES.

f. ALT PE 2 (FITNESS) TO HAVE THICK RAF2 FLOORING OVER ISOLATED ATHLETIC SUBFLOOR SYSTEM. ALT PE 1 TO HAVE THIN RAF 1 FLOOR INSTALLED OVER ISOLATED ATHLETIC WOOD SUBFLOOR SYSTEM WITH MARKINGS FOR BASKETBALL HALF-COURT.

g. AT STAIRS, PROVIDE RUBBER FLOORING ON TREADS AND RISERS. PROVIDE RESILIENT FLOORING AT LANDINGS. REFER TO ENLARGED STAIR PLANS FOR EXTENT OF EACH FLOORING MATERIAL.

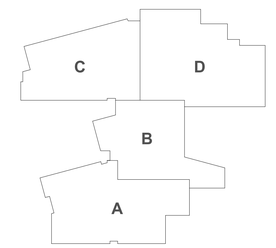
h. AT CORRIDORS, STAIRS, AND ATHELETIC ROOMS (GYM, ALT PE-1, ALT PE-2) PROVIDE ABUSE RESISTANT GWB WAINSCOATING TO 7'-2" AFF.

i. LIGHT BROOM FINISH AT EXPOSED CONCRETE FLOORS.

KEYNOTE LIST

033650	CONCRETE FINISHES
042000	UNIT MASONRY
064020	INTERIOR ARCHITECTURAL WOODWORK
066400	FRP PANELING
093000	TILING
096400	STAGE WOOD FLOORING
096466	WOOD ATHLETIC FLOORING
096500	RESILIENT FLOORING
096566	RESILIENT ATHLETIC FLOORING
096600	TERRAZZO FLOORING
096700	RESINOUS FLOORING
096820	CARPETING
099000	PAINTING AND COATING
124810	ENTRANCE FLOOR MATS AND FRAMES

KEYPLAN



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HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617.547.5570
@HMFHarch hmfh.com

DBVW ARCHITECTS
111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
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MAJOR LAND DEVELOPMENT - MASTER PLAN SUBMISSION **09/11/2024**

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
SECOND FLOOR PLAN - OVERALL

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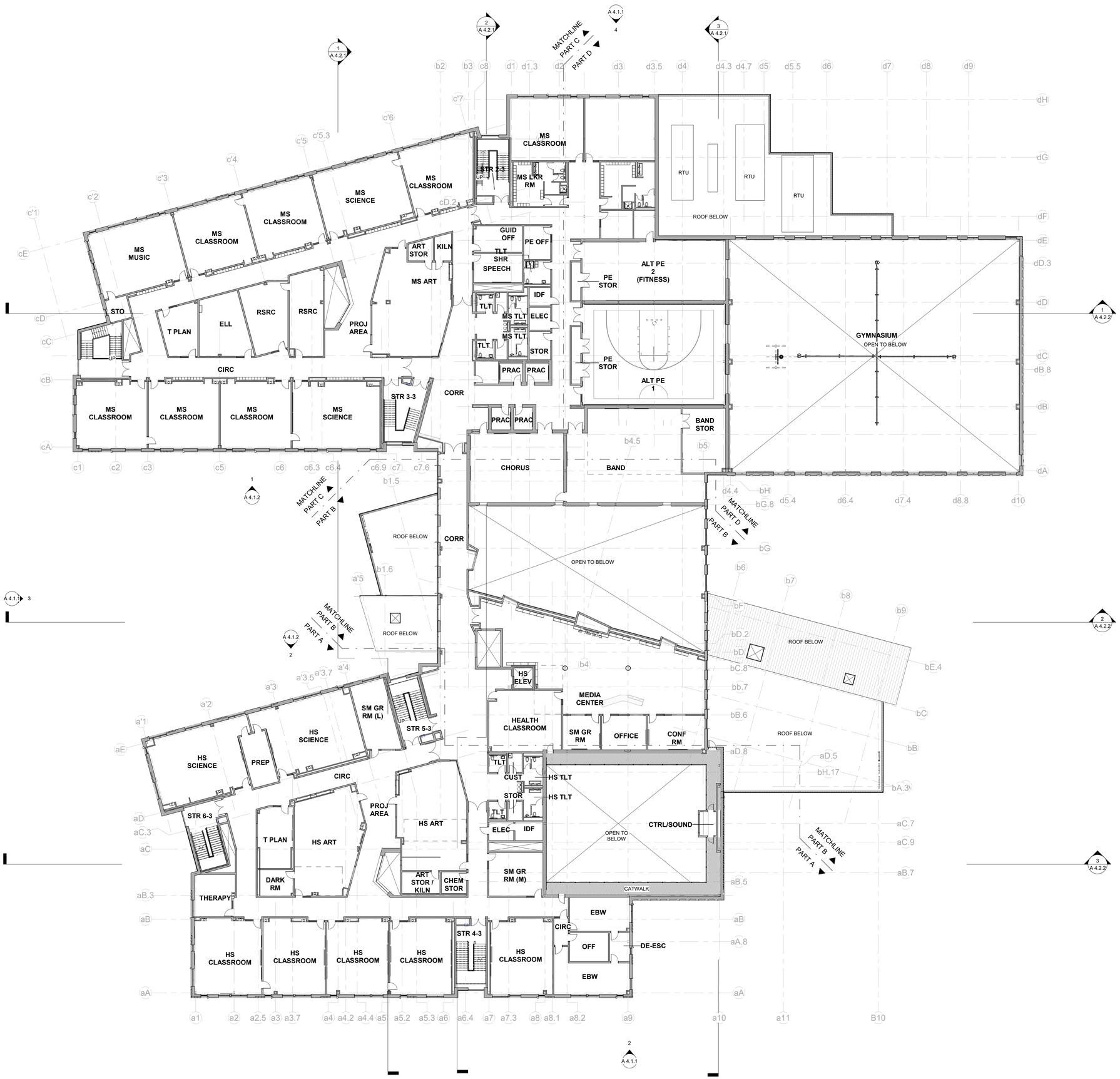

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Cambridge, MA 02139
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@HMFHarch hmfh.com

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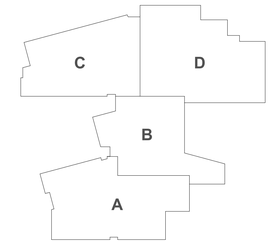
KEYPLAN



MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
THIRD FLOOR PLAN - OVERALL

SCALE: 1/16" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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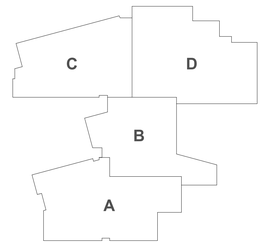

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130 Bishop Allen Drive
Cambridge, MA 02139
617.547.5400
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111 CHESTNUT STREET
PROVIDENCE, RI 02903
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MIDDLETOWN MIDDLE HIGH SCHOOL
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FOURTH FLOOR PLAN - OVERALL

SCALE: 1/16" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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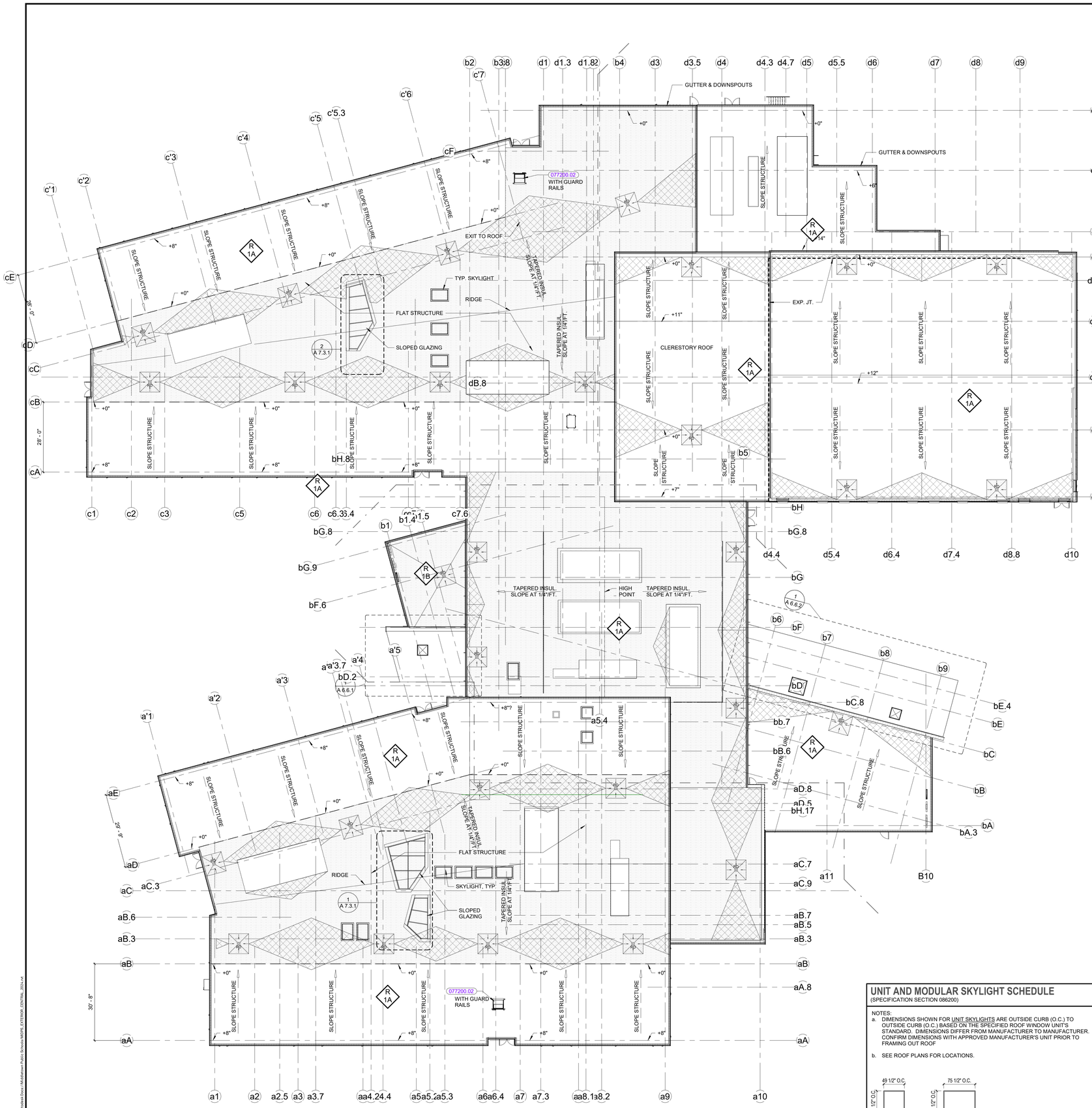


KEYNOTE LIST

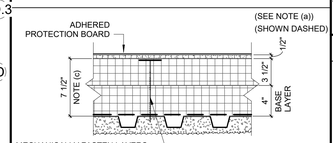
053100.01	METAL DECK
075400	THERMOPLASTIC MEMBRANE ROOFING
075400.01	MEMBRANE ROOFING
075400.03	TAPERED ROOF INSULATION
075400.05	FASTENER & SEAM PLATE
075400.06	PROTECTION BOARD
075400.10	MEMBRANE FLASHING STRIP
077200	ROOF ACCESSORIES
077200.02	ROOF HATCH
078100.01	SPRAYED FIREPROOFING
220000	Division 22 - Plumbing
230000	Division 23 - Heating,Ventilating and Air Conditioning

ABBREVIATIONS-ROOF PLANS

(SEE SHEET A0.1 FOR ADDITIONAL ABBREVIATION DESIGNATIONS)

ACCU	= AIR COOLED CONDENSING UNIT — 230000
ACH	= AIR COOLED CHILLER — 230000
ACHP	= AIR COOLED HEAT PUMP
ERU	= ENERGY RECOVERY UNIT — 230000
EF	= EXHAUST FAN — 230000
EJ	= EXPANSION JOINT — 075400
EV	= ELEVATOR VENT — 077200
HP	= HEAT PUMP — 230000
HRCU	= HEAT RECOVERY CONDENSING UNIT — 230000
HRU	= HEAT RECOVERY UNIT — 230000
H&SV	= HEAT AND SMOKE VENT — 077200
RD	= ROOF DRAIN — 220000
RTU	= ROOF TOP UNIT — 230000
RV	= RELIEF VENT — 230000
VRF	= VARIABLE REFRIGERANT FLOW UNIT — 230000
VTR	= VENT THRU ROOF — 220000

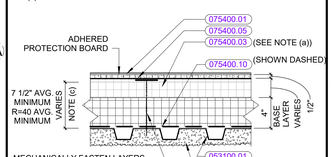
ROOF TYPE SCHEDULE/ DETAILS



THERMOPLASTIC MEMBRANE ROOFING FLAT INSULATION SYSTEM (SLOPED STRUCTURAL SYSTEM) R 1A

NOTES:

(a) ADDITIONAL TAPERED INSULATION WILL BE REQUIRED TO FORM CRICKETS. CRICKETS SHALL BE 1/2"/FT MIN. SLOPE (SEE ROOF PLAN FOR LOCATIONS)
(b) SEE FLOOR PLAN GENERAL NOTES AND CODE PLAN FOR EXTENT OF SPRAY ON FIREPROOFING REQUIRED.
(c) MINIMUM R VALUE R40

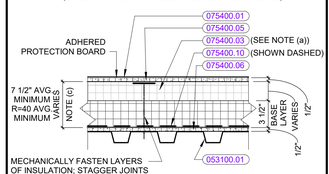


THERMOPLASTIC MEMBRANE ROOFING TAPERED INSULATION SYSTEM (FLAT STRUCTURAL SYSTEM) R 1B

NOTES:

(a) ADDITIONAL TAPERED INSULATION WILL BE REQUIRED TO FORM CRICKETS. CRICKETS SHALL BE 1/2"/ FT MIN. SLOPE (SEE ROOF PLAN FOR LOCATIONS)
(b) SEE FLOOR PLAN GENERAL NOTES AND CODE PLAN FOR EXTENT OF SPRAY-ON FIREPROOFING REQUIRED.
(c) THICKNESS OF TAPERED INSULATION VARIES. MAINTAIN AVERAGE THERMAL RESISTANCE OF (R=40) THROUGHOUT. MINIMUM THICKNESS = 4 1/2", MAXIMUM THICKNESS AT ROOF EDGE =+/- 10 3/8"

(OVER ACOUSTICALLY SENSITIVE AREAS)

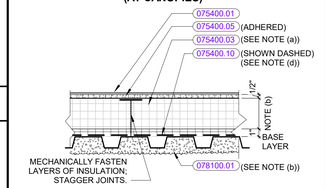


THERMOPLASTIC MEMBRANE ROOFING TAPERED INSULATION SYSTEM (FLAT STRUCTURAL SYSTEM) R 1B1

NOTES:

(a) ADDITIONAL TAPERED INSULATION WILL BE REQUIRED TO FORM CRICKETS. CRICKETS SHALL BE 1/2"/ FT MIN. SLOPE (SEE ROOF PLAN FOR LOCATIONS)
(b) NOT USED.
(c) THICKNESS OF TAPERED INSULATION VARIES. MAINTAIN AVERAGE THERMAL RESISTANCE OF (R=40) THROUGHOUT. MINIMUM THICKNESS = 4 1/2", MAXIMUM THICKNESS AT ROOF EDGE =+/- 10 3/8"

(AT CANOPIES)



THERMOPLASTIC MEMBRANE ROOFING TAPERED INSULATION SYSTEM (CANOPIES) R 1D

NOTES:

(a) INSULATION NOT REQUIRED AT HIGH SCHOOL ENTRY CANOPY. WHERE INSULATION IS PRESENT, ADDITIONAL TAPERED INSULATION WILL BE REQUIRED TO FORM CRICKETS. CRICKETS SHALL BE 1/2"/ FT MIN. SLOPE (SEE ROOF PLAN FOR LOCATIONS)
(b) SEE FLOOR PLAN GENERAL NOTES AND CODE PLAN FOR EXTENT OF SPRAY-ON FIREPROOFING REQUIRED.
(c) INSULATION THICKNESS VARIES AT CANOPIES ON FLAT STRUCTURAL SYSTEMS
(d) VAPOR RETARDER NOT REQ'D AT NORTH ENTRY CANOPY

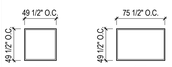
UNIT AND MODULAR SKYLIGHT SCHEDULE

(SPECIFICATION SECTION 086200)

NOTES:

a. DIMENSIONS SHOWN FOR UNIT SKYLIGHTS ARE OUTSIDE CURB (O.C.) TO OUTSIDE CURB (O.C.) BASED ON THE SPECIFIED ROOF WINDOW UNIT'S STANDARD. DIMENSIONS DIFFER FROM MANUFACTURER TO MANUFACTURER. CONFIRM DIMENSIONS WITH APPROVED MANUFACTURER'S UNIT PRIOR TO FRAMING OUT ROOF

b. SEE ROOF PLANS FOR LOCATIONS.



GENERAL NOTES-ROOF PLANS

1. SEE SHEET A 13.0 FOR ROOF PLAN OF STADIUM TOILET FACILITY BUILDING.
2. ROOF PLAN GENERAL NOTES, ROOF PLAN LEGEND AND ABBREVIATIONS APPLY TO THE A2.6 SERIES AND A13.0 SHEETS.
3. GENERAL CONTRACTOR SHALL ENSURE OPENINGS ARE PROVIDED IN ROOF STRUCTURE FOR NEW MEPFP EQUIPMENT. REFER TO MEPFP DWGS AND SPECS FOR QUANTITY AND SIZE REQUIREMENTS. COORDINATE WITH STRUCTURAL DWGS AND SPECS FOR FRAMING REQUIREMENTS.
4. DIMENSIONS SHOWN FOR MEPFP EQUIPMENT SUPPORTS AND OPENINGS ARE SCHEMATIC AND ARE PROVIDED FOR REFERENCE ONLY. COORDINATE REQ'D SIZE WITH APPROVED MEPFP EQUIPMENT PRIOR TO LAYOUT AND INSTALLATION. SEE MEPFP DWGS AND SPECS FOR ADDITIONAL INFORMATION.
5. ELECTRICAL PENETRATIONS THROUGH THE ROOF SYSTEM ARE REQUIRED BUT ARE NOT SHOWN ON THIS ROOF PLAN FOR CLARITY. FOR THE PURPOSE OF THE BID, CARRY THE FOLLOWING QUANTITIES OF ROOF PENETRATIONS:

   (a) PROVIDE (2) PENETRATIONS ADJACENT TO EACH MECHANICAL UNIT TO ACCOMMODATE POWER AND CONTROL WIRING. REFER TO DETAIL. (8 / A6.3.1)

   (b) PROVIDE PENETRATIONS FOR PHOTOVOLTAIC PANELS AND FOR LIGHTNING PROTECTION SYSTEM. REFER TO ELECTRICAL DWGS FOR QUANTITIES. REFER TO DETAIL. (8 / A6.3.1) (9 / A6.3.1)
6. DUCT PENETRATIONS THROUGH THE ROOF SYSTEM ARE REQUIRED UNDER AIR HANDLING UNITS BUT MAY NOT ALL BE SHOWN FOR CLARITY. FOR THE PURPOSE OF THE BID, CARRY THE FOLLOWING ADDITIONAL QUANTITIES OF ROOF PENETRATIONS WITHIN ROOFTOP UNIT CURBS.

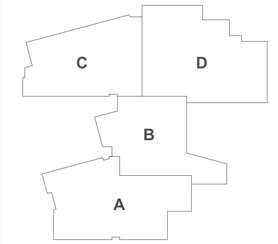
   (a) PROVIDE (1) ELECTRICAL, (1) CONTROL, AND (2) MECHANICAL PIPING PENETRATIONS THROUGH THE ROOF DECK UNDER EACH UNIT. ALL PENETRATIONS SHALL BE INSTALLED WITHIN THE UNIT CURB.
7. PLUMBING PENETRATIONS THROUGH THE ROOF SYSTEM ARE REQ'D BUT MAY NOT ALL BE SHOWN ON THIS ROOF PLAN FOR CLARITY. REFER TO PLUMBING DWGS FOR LOCATIONS AND QUANTITIES OF ROOF PENETRATIONS REQ'D. (6 / A6.3.1)
8. ROOF WALKWAY PADS ARE REQ'D BUT MAY NOT ALL BE SHOWN ON THIS ROOF PLAN FOR CLARITY. BID SHALL CARRY AN ADDITIONAL 200 LF OF WALKWAY PADS THAN THE FINAL QUANTITY . FINAL LAYOUT TO BE DETERMINED IN THE FIELD BY ARCHITECT AFTER ALL ROOFTOP EQUIPMENT IS INSTALLED.

LEGEND- ROOF PLANS

(SEE SHEET A0.1 FOR ADDITIONAL SYMBOL DESIGNATIONS)

- AREA OF TAPERED ROOF INSULATION SLOPE 1/4"- 12" MIN. DASHED LINE INDICATES LAYOUT OF 4'-0" WIDTH OF THE INSULATION BOARDS.
- AREA OF TAPERED ROOF INSULATION AT CRICKETS SLOPE 1/2"- 12" MIN. DASHED LINE INDICATES LAYOUT OF 4'-0" WIDTH OF THE INSULATION BOARDS
- HIGH POINT OF INSULATION — HP
- WALKWAY PAD (SEE GENERAL NOTES)
- ROOF CONSTRUCTION TYPE (SEE ROOF SYSTEM TYPE SCHEDULE) — R XX
- ROOF SLOPE INDICATOR AT TAPERED INSULATION
- ROOF SLOPE INDICATOR AT SLOPED STRUCTURE
- ROOF DRAIN - SEE DETAIL ROOF DRAIN SUMP TO BE 8'x8' UNLESS INDICATED OTHERWISE (1 / A6.3.1) (1A / A6.3.1) — RD
- BUILDING EXPANSION JOINT (11 / A6.3.1) — EJ
- VENT THROUGH ROOF - SEE DETAIL SEE PLUMBING DWG'S FOR LOCATIONS (4 / A6.3.1) — VTR
- LADDER (1 / A10.03) (2 / A10.03) (3 / A10.03)
- HEAT AND SMOKE VENT SIM (2 / A6.3.1) — H&SV
- DENOTES UNIT SKYLIGHT TYPE (SEE SKYLIGHT SCHEDULE; SEE 14/A6.3.1 & 14A/A6.3.1 FOR TYP CURB DETAILS; SEE 15 &15A/A6.3.1 FOR CIRCULAR CURBS) (US XX) — EF, EF, RV
- DENOTES MODULAR SKYLIGHT TYPE (SEE SKYLIGHT SCHEDULE) (MS XX)
- FALL PROTECTION ANCHOR (12 / A6.3.1)
- HVAC ROOFTOP EQUIPMENT ROOF FAN OR VENT (SEE CURB DETAIL) (2 / A6.3.1) — EF, EF, RV
- ELEVATOR VENT SIM (2 / A6.3.1) — EV
- OVERFLOW SCUPPER (18 / A6.3.1)
- HRCUs ON DUNNAGE (SEE POST SUPPORT DETAIL) (5 / A6.3.1)
- ACH OR ACHP ON DUNNAGE (SEE POST SUPPORT DETAIL) (5 / A6.3.1) — REFERENCE 5/A6.3.1 FOR TYP POST CONDITIONS
- HVAC ROOFTOP EQUIPMENT (SEE CURB DETAIL) (13 / A6.3.1) (13A / A6.3.1) — HRCU
- HVAC ROOFTOP EQUIPMENT AIR COOLED CONDENSER (5 / A6.3.1) (6 / A6.3.1) — ACCU
- PIPING PENETRATION (SEE DETAIL) (4 / A6.3.1) OR (6 / A6.3.1)
- ROOFTOP DISCONNECT SWITCH (SEE DETAIL) (6 / A6.3.1) (10 / A6.3.1) SIM
- AREA FOR FUTURE PHOTOVOLTAIC INSTALLATION

KEYPLAN



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120 Bishop Allen Drive
Cambridge, MA 02139
617.547.7827
@HMFHarch hmfh.com

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111 CHESTNUT STREET
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MAJOR LAND DEVELOPMENT - MASTER PLAN SUBMISSION **09/11/2024**

PLAN NORTH / TRUE NORTH

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
ROOF PLAN OVERALL

SCALE: As indicated | DRAWN BY: DR | CHECKED BY: AD

DRAWING NUMBER **A 1.5** JOB NUMBER 410422

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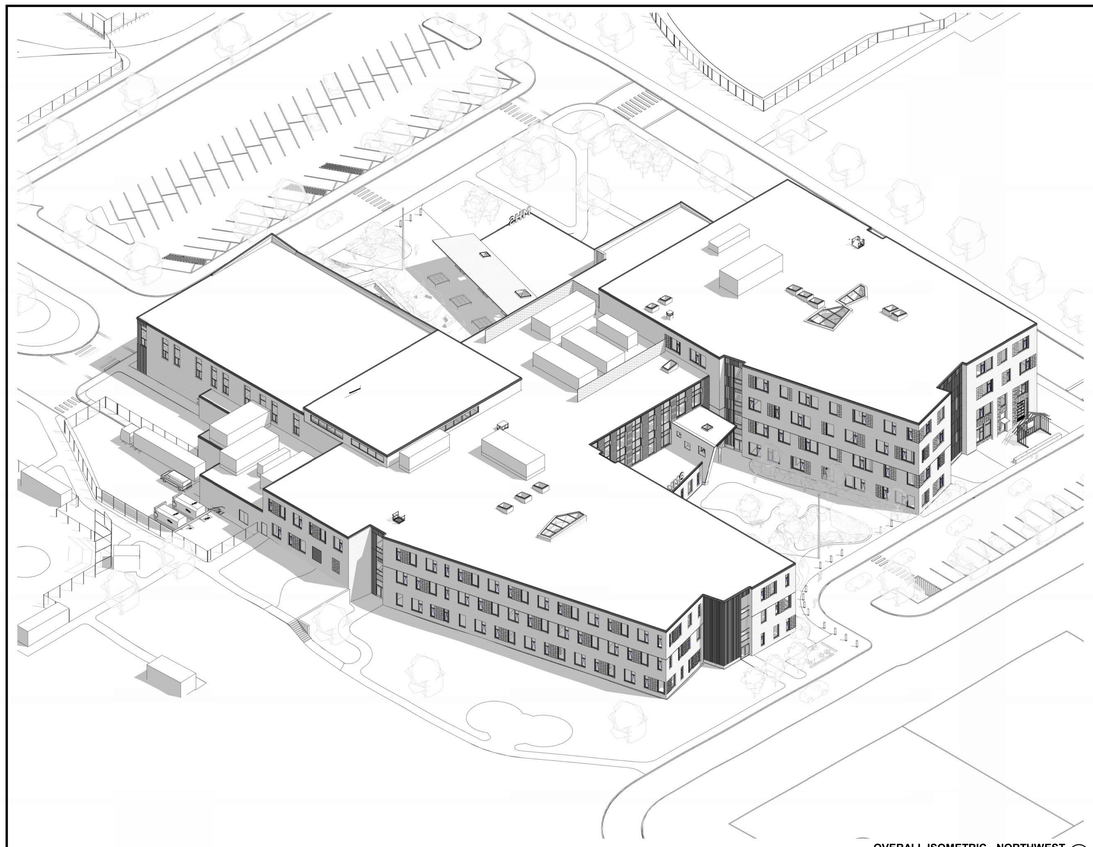
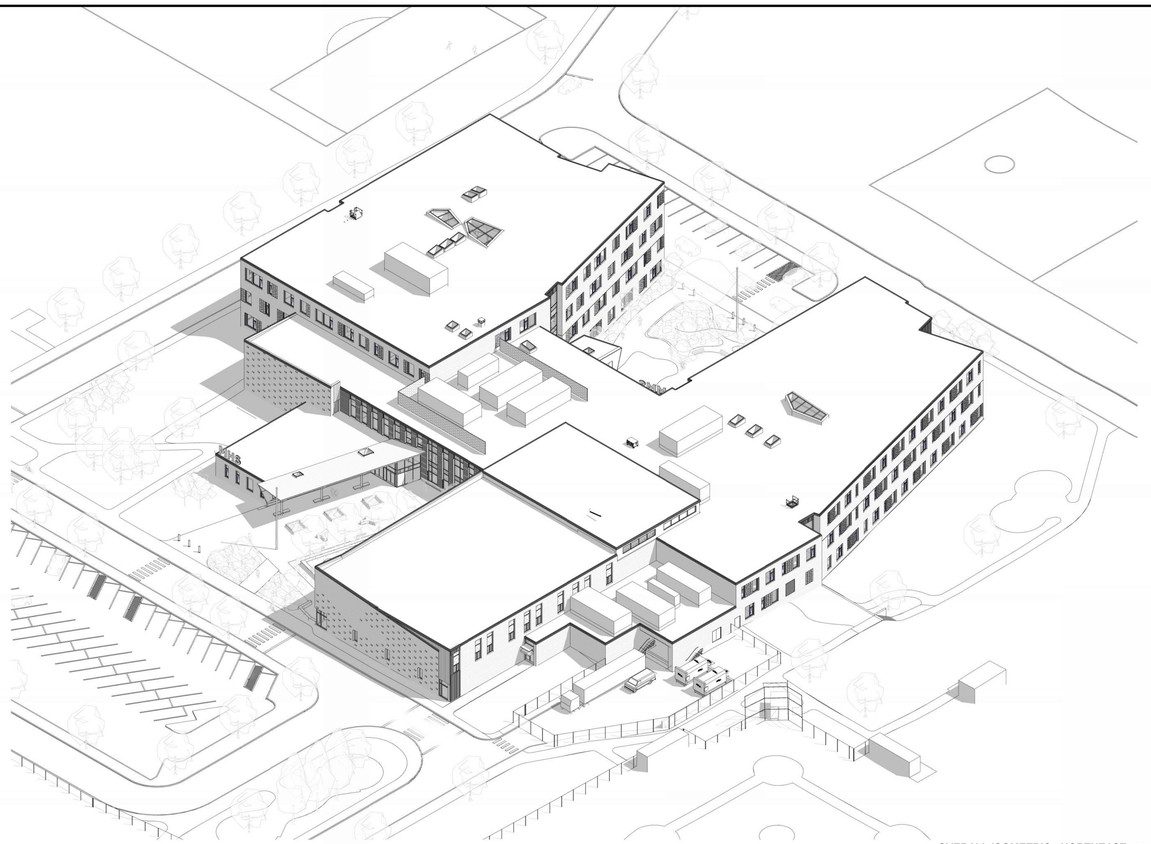
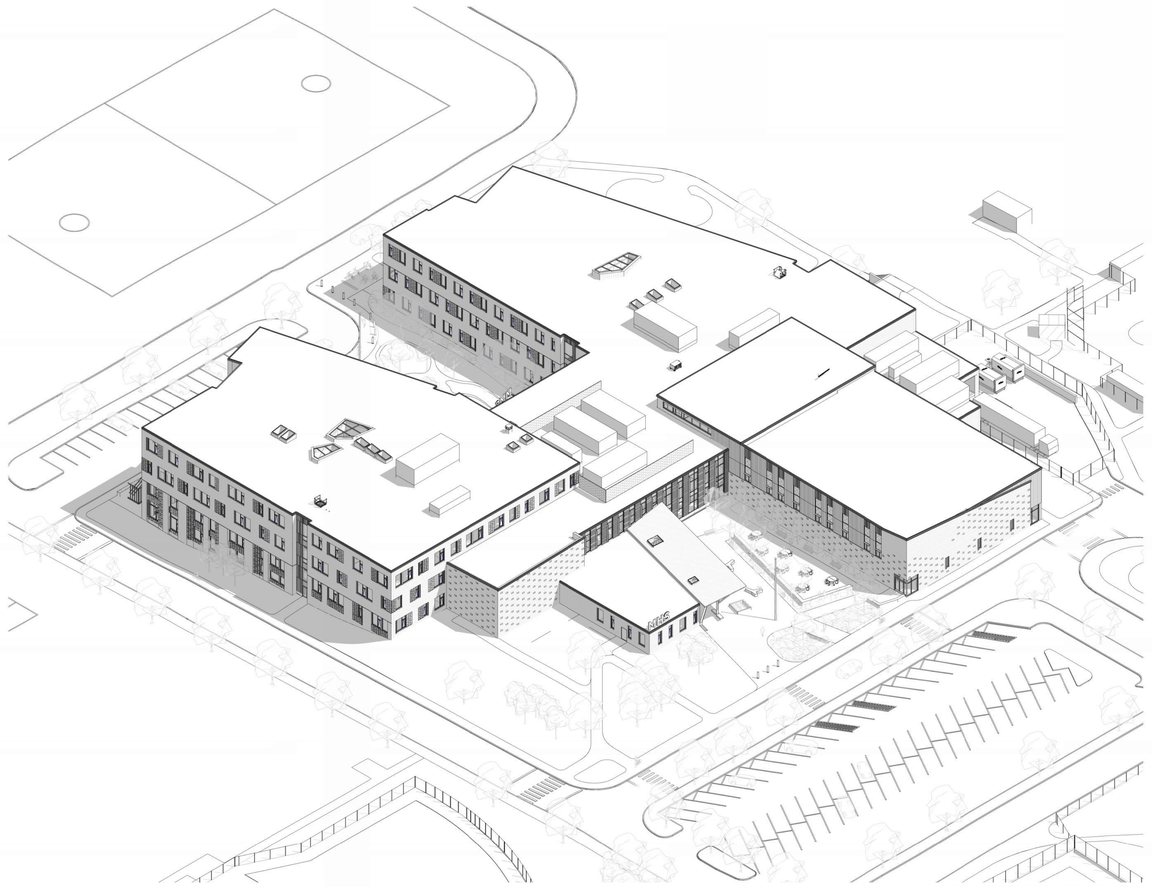


OVERALL ISOMETRIC - NORTHWEST (2)



OVERALL ISOMETRIC - NORTHEAST (1)

OVERALL ISOMETRIC - SOUTHWEST (4)



OVERALL ISOMETRIC - SOUTHEAST (3)

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130 Bishop Allen Drive
Cambridge, MA 02139
617.547.7070
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111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

MAJOR LAND DEVELOPMENT - MASTER PLAN
SUBMISSION
09/11/2024

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
BUILDING ISOMETRIC VIEWS

SCALE:
DRAWN BY: Author
CHECKED BY: Checker

DRAWING NUMBER
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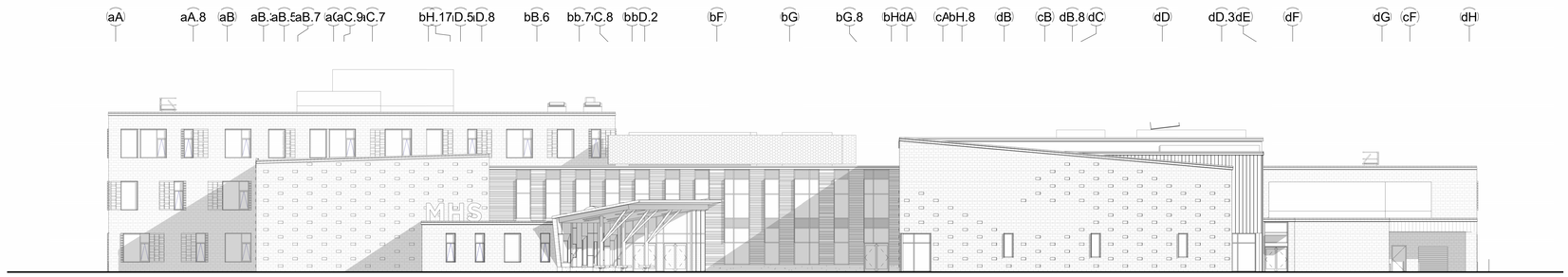


EAST ELEVATION 1

SOUTH ELEVATION 2

WEST ELEVATION 3

NORTH ELEVATION 4

ELEVATION LEGEND

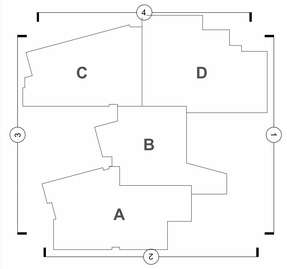
FENESTRATION ELEMENT TAGS

CURTAINWALL SYSTEM A 7.2.2 & A 7.2.3	CW 01
FIBERGLASS WINDOW A 7.1.1	FW 01
LOUVER A 7.1.1	L 01

ELEVATION MATERIAL KEY

- DECORATIVE CMU VENEER WALL SYSTEM - WA1
- PRE-CAST WALL BASE
- METAL PANEL WALL SYSTEM - WB1.1
- METAL PANEL WALL SYSTEM - WB1.2
- METAL PANEL WALL SYSTEM - WB2
- ALUMINUM METAL WALL PANEL SYSTEM - WB3
- INTERLOCKING ZINC PANEL SYSTEM - WB4

KEYPLAN



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130 Bishop Allen Drive
Cambridge, MA 02139
617.547.5200
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111 CHESTNUT STREET
PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

MAJOR LAND DEVELOPMENT - MASTER PLAN
SUBMISSION **09/11/2024**

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
EXTERIOR ELEVATIONS - OVERALL

SCALE: 1/16" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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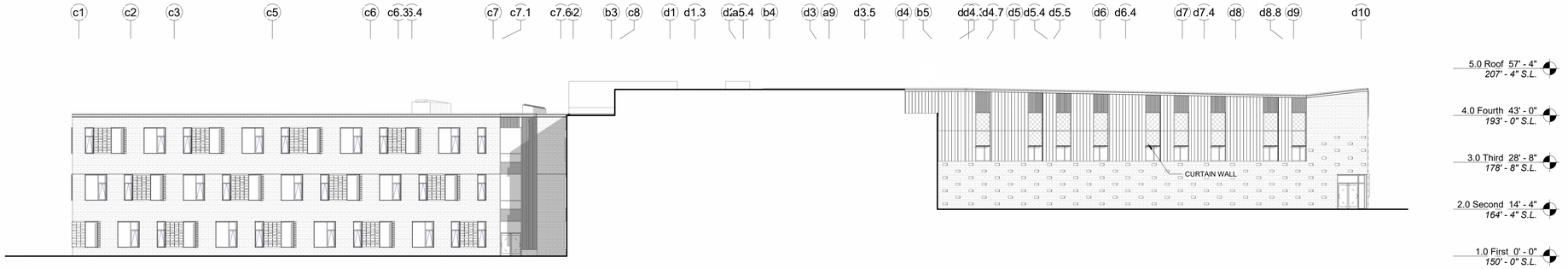
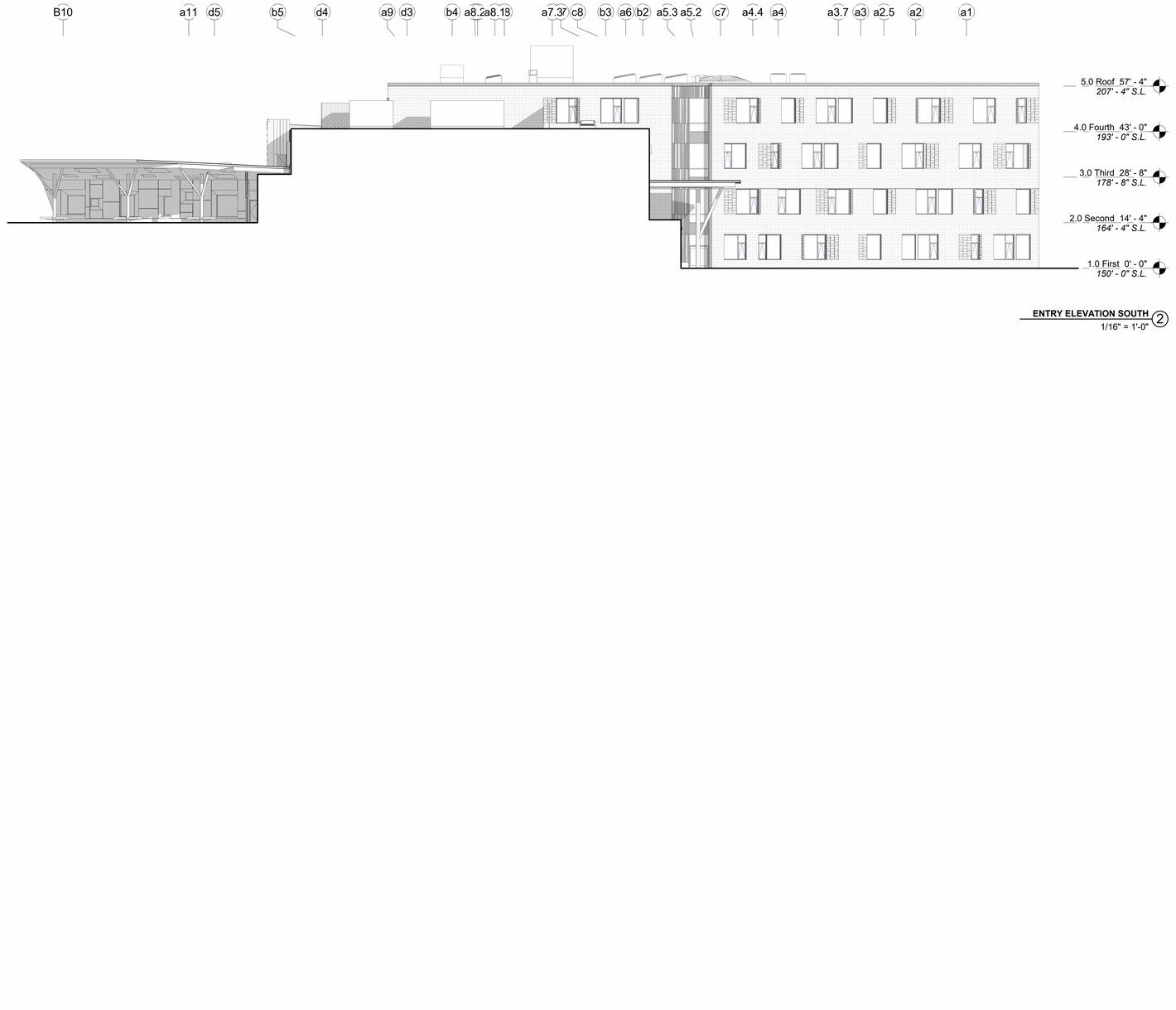


ENTRY ELEVATION NORTH (1)
1/16" = 1'-0"

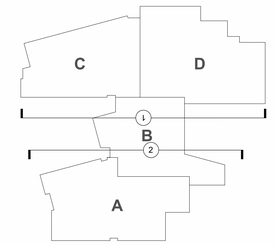


ENTRY ELEVATION SOUTH (2)
1/16" = 1'-0"

ELEVATION MATERIAL KEY

- DECORATIVE CMU VENEER WALL SYSTEM - WA1
- PRE-CAST WALL BASE
- METAL PANEL WALL SYSTEM - WB1.1
- METAL PANEL WALL SYSTEM - WB1.2
- METAL PANEL WALL SYSTEM - WB2
- ALUMINUM METAL WALL PANEL SYSTEM - WB3
- INTERLOCKING ZINC PANEL SYSTEM - WB4

KEYPLAN



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@HMFHarch hmfh.com

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PROVIDENCE, RI 02903
401.831.1240
www.dbvw.com

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SUBMISSION
09/11/2024

MIDDLETOWN MIDDLE HIGH SCHOOL
1113 Aquidneck Ave, Middletown, RI
EXTERIOR ELEVATIONS - ENTRIES

SCALE: 1/16" = 1'-0" DRAWN BY: Author CHECKED BY: Checker

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