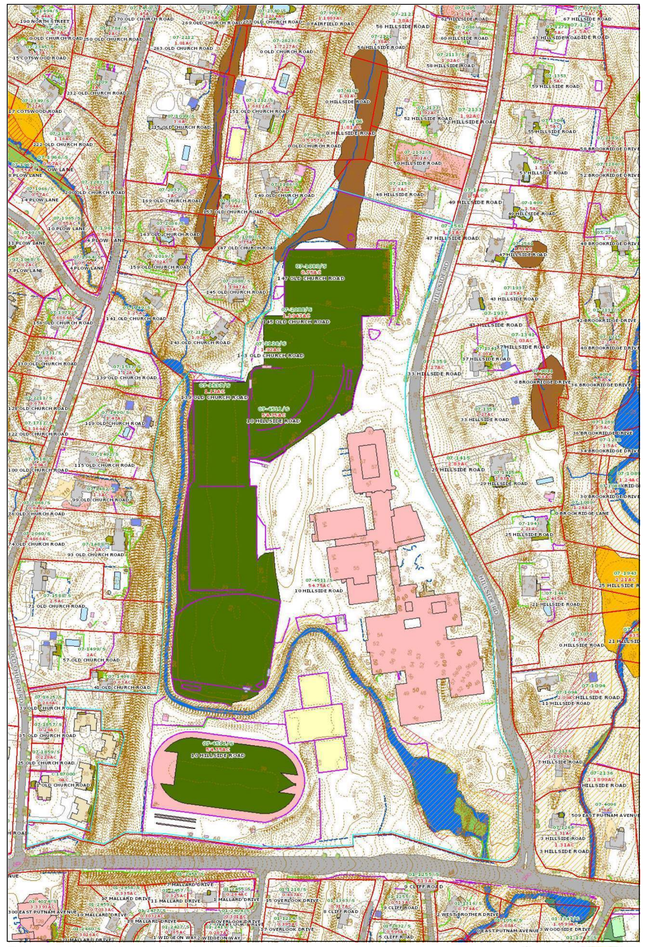
GREENWICH PUBLIC SCHOOLS

GREENWICH HS CARDINAL STADIUM

10 HILLSIDE ROAD
GREENWICH CT 06830

PHASE 1B - SITE PLAN APPLICATION

REVISIONS PER COMMENTS - APRIL 21, 2021







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ZONING ZONING LOCATION MAP
TOPO EXISTING TOPOGRAPHIC SURVEY (8 SHEETS)

02 CIVIL
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CS-101 SITE LAYOUT PLAN
CE-101 EROSION & SEDIMENTATION CONTROL PLAN
CG-101 SITE GRADING PLAN
CG-102 SITE DRAINAGE PLAN
CG-103 LOW IMPACT DEVELOPMENT PLAN
CU-101 SITE UTILITY PLAN
CR-101 DRIVEWAY PLAN & PROFILES
CR-102 SITE DISTANCE PLAN & PROFILE
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CD-501 CONSTRUCTION DETAILS
CD-502 CONSTRUCTION DETAILS
CD-503 CONSTRUCTION DETAILS
CD-504 CONSTRUCTION DETAILS
CD-505 CONSTRUCTION DETAILS (AQUARION DETAILS)
CD-506 CONSTRUCTION DETAILS (AQUARION DETAILS)
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L1.0 OVERALL LANDSCAPE LAYOUT & TREE REMOVAL PLAN
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L2.1 SITE DETAILS

04 SITE LIGHTING
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E101 ELECTRICAL LIGHTING CUTS
E102 ELECTRICAL LIGHTING CUTS

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A202 KIOSK FLOOR PLANS & ELEVATIONS
A301 TEAM BUILDING / BLEACHER ELEVATIONS
A302 TEAM BUILDING / BLEACHER SECTIONS
A401 EXISTING PHOTOS AND PROPOSED RENDERINGS
A701 TEAM BUILDING ELEVATOR DETAILS
A801 TEAM BUILDING SECTIONS / DETAILS
A802 KIOSK SECTIONS / DETAILS

GREENWICH HS CARDINAL STADIUM PHASE 1B

KG&D Project No.
2018-1035

DESIGN TEAM

ARCHITECT
KG+D ARCHITECTS
285 MAIN STREET
MT. KISCO, N. Y. 10549
phone: 914.666.5900

MECHANICAL ENGINEER
OLA CONSULTING ENGINEERS
50 BROADWAY
HAWTHORNE, N. Y. 10532
phone: 914. 747.2800

STRUCTURAL ENGINEER
DiSALVO ENGINEERING GROUP
83 WOOSTER HEIGHTS ROAD
DANBURY, CT. 06810
phone: 203.490.4140

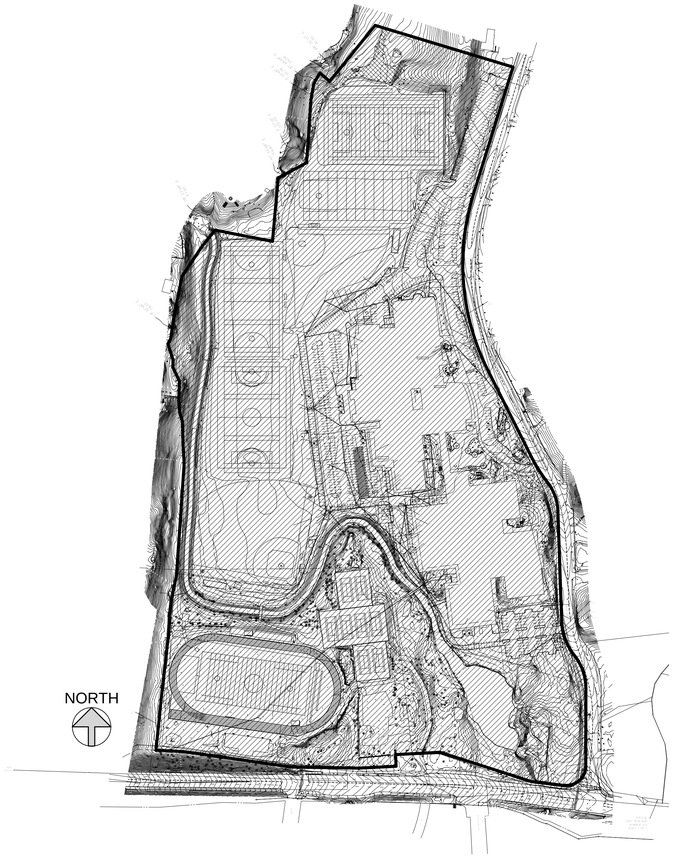
CIVIL ENGINEER
FUSS & O'NEILL, INC.
56 QUARRY ROAD
TRUMBULL, CT 06611
phone: 203.374.3748

LANDSCAPE ARCHITECT
WESLEY STOUT ASSOCIATES
96 MAIN STREET
NEW CANAAN, CT 06840
phone: 203.966.3100

SPECIFICATION CONSULTANT
CONSTRUCTION SPECIFICATIONS, INC.
P.O. BOX 488
MORGANVILLE, N. J. 07751
phone: 732.970.0700

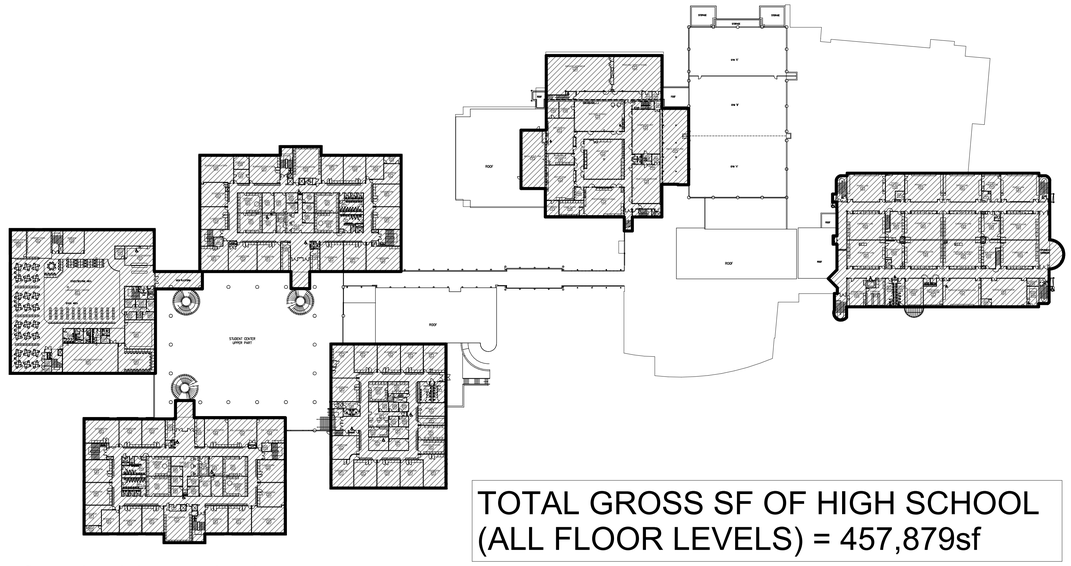
COVER

T1



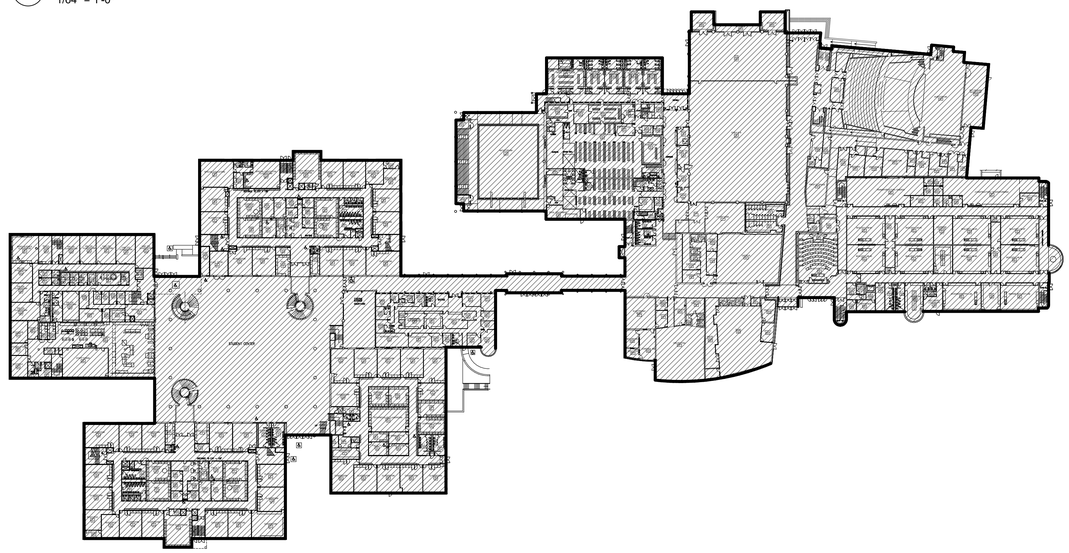
TOTAL GROSS SF = 2,390,137sf

6 EXISTING SITE
1" = 200'-0"



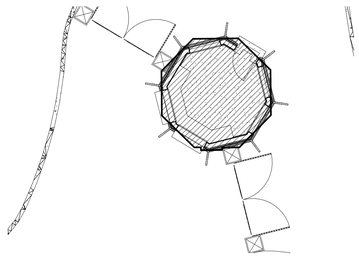
TOTAL GROSS SF OF HIGH SCHOOL (ALL FLOOR LEVELS) = 457,879sf

3 EXISTING GREENWICH HS 2ND FL PLAN
1/64" = 1'-0"



2 EXISTING GREENWICH HS 1ST FL PLAN
1/64" = 1'-0"

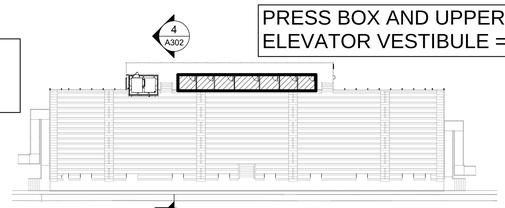
TOTAL NEW BUILDING - PHASE 1
4,835sf



TOTAL GROSS SF
ENTRY KIOSK = 155sf

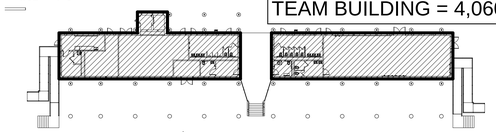
7 PROPOSED KIOSK- PLAN
1/8" = 1'-0"

PRESS BOX AND UPPER ELEVATOR VESTIBULE = 620sf



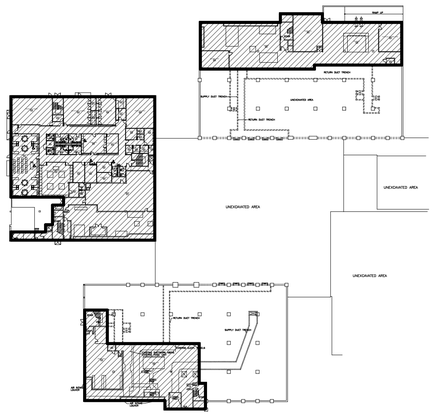
5 PROPOSED BUILDING- 2ND FL
1/32" = 1'-0"

TEAM BUILDING = 4,060sf



TOTAL GROSS SF TEAM BUILDING AND PRESS BOX = 4,680sf

4 PROPOSED BUILDING- 1ST FL
1/32" = 1'-0"



1 EXISTING GREENWICH HS BASEMENT PLAN
1/64" = 1'-0"

FAR INFORMATION

NOTE: GREENWICH PUBLIC SCHOOLS / BOARD OF EDUCATION HAS RECEIVED A VARIANCE FOR THE ADDITIONAL SQUARE FOOTAGE OF THE TEAM BUILDING AND THE KIOSK

THE FOLLOWING IS INFORMATION ON THE PROPOSED PHASE 1, AND FUTURE WORK FOR PHASE 2 AND OTHER WORK AT THE CAMPUS

EXISTING GSF OF 457,879sf WAS PROVIDED BY GREENWICH P+Z VIA EMAIL FROM K. DELUCA TO KG+D ARCHITECTS IN FEB 2018

EXISTING BUILDING 457,879 SF

EXISTING SITE 2,390,137 SF (54.87 ACRES)

EXISTING FAR 457,879 / 2,390,137 = .192

PHASE 1 – PROPOSED BUILDINGS

TEAM BUILDING	4,060 SF
PRESS BOX AND ELEVATOR	620 SF
ENTRY KIOSK	155 SF
PROPOSED FAR PHASE 1	462,714 / 2,390,137 = .193

FUTURE WORK - PHASE 2 - PROPOSED BUILDINGS

TEAM BUILDING	6,520 SF
PROPOSED FAR PH1 + PH2	469,234 / 2,390,137 = .196

FUTURE WORK - MASTER PLAN
FUTURE PROJECTS IDENTIFIED IN 2019 MASTER PLAN INCLUDING A NEW SECURITY VESTIBULE AND ADDITIONAL SQUARE FOOTAGE UP TO 73,400 SF

PROPOSED FAR PH1 + PH2 + MASTER PLAN	542,634 / 2,390,137 = .227

GREENWICH PUBLIC SCHOOLS

GREENWICH HIGH SCHOOL CARDINAL STADIUM PHASE 1B

10 Hillside Road
Greenwich, CT 06830

KG+D listen imagine build
KG+D ARCHITECTS, PC
285 MAIN STREET • MOUNT KISCO, NEW YORK 10549
P:914.666.5900 KGDARCHITECTS.COM

SITE PLAN SUBMISSION

Key Plan

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT, & DAVIDSON ARCHITECTS, PC (KG+D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KG+D).

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Professional Seal



No.	Date	Issue
4	10/30/20	PHASE 1B SITE PLAN APP.
3	04/24/20	SITE PLAN SUBMISSION
2	04/02/20	SITE PLAN SUBMISSION
1	08/29/19	DESIGN DEVELOPMENT

Sheet Title

EXISTING & PROPOSED AREA CALCULATIONS

Job No. 2018-1035	Date 03/26/20
Scale AS NOTED	Drawn / Checked Author Checker

Sheet Number

GI-001

SUBJECT PARCEL LIES WITHIN ZONE "X", ZONE "AE", AND FLOODWAY AS DETERMINED FROM FIRM MAP NUMBER 09001C0511G, EFFECTIVE DATE JULY 8, 2013 AND TRANSCRIBED HEREON.

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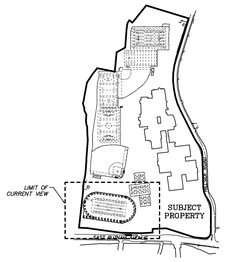
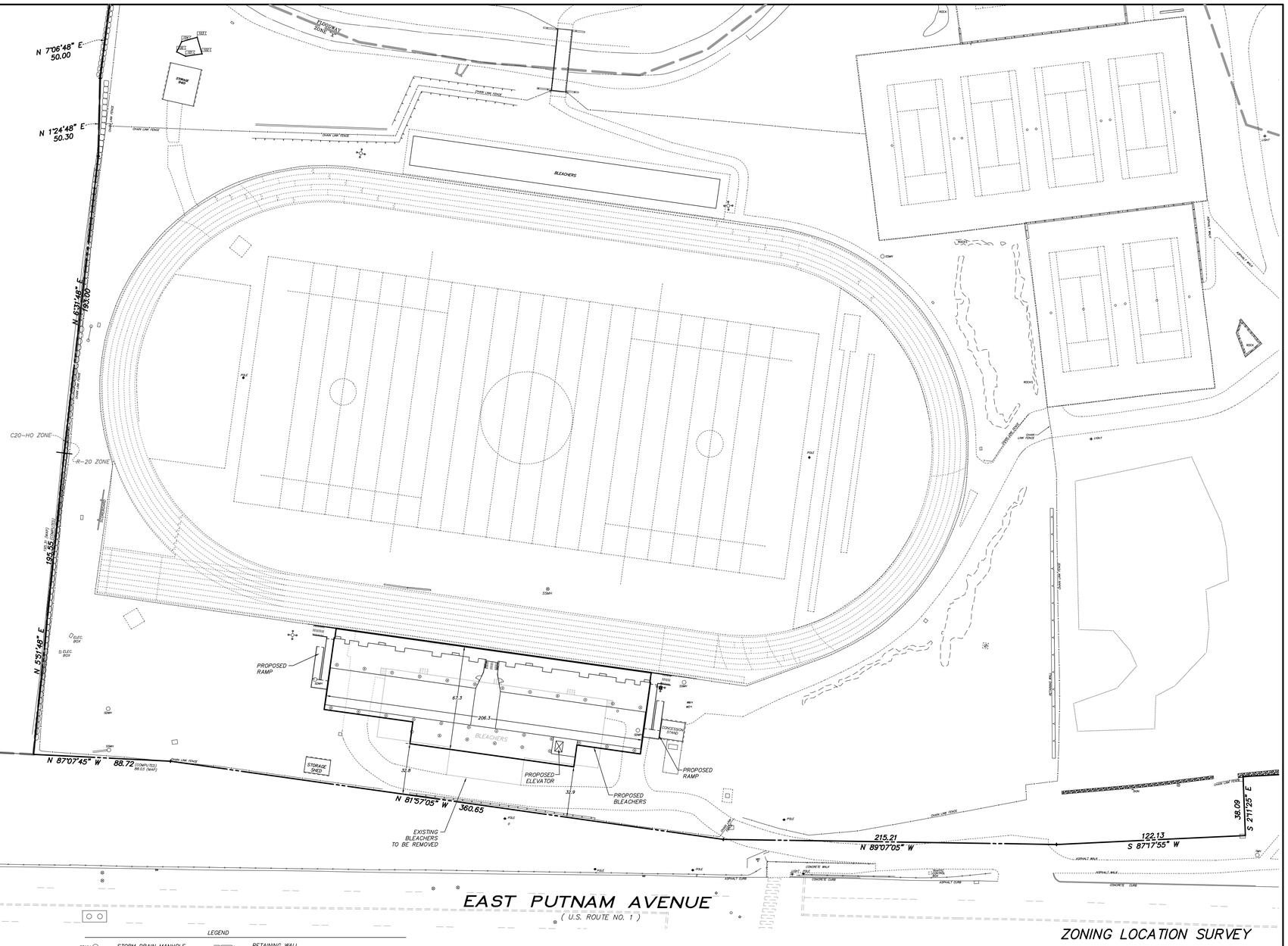




LEGEND

- STORM DRAIN MANHOLE
- SANITARY SEWER MANHOLE
- LIGHT POLE
- CATCH BASINS
- SIGN
- UTILITY POLE
- POST
- GUARD RAIL
- RETAINING WALL
- FENCE
- STONE WALL
- WETLAND LIMIT AS FLAGGED BY WILLIAM KENNY, 2004.
- LIMIT OF WETLAND AS FLAGGED BY WILLIAM KENNY ASSOCIATES LLC, WILLIAM L. KENNY, SOIL SCIENTIST ON JUNE 16, 2009.
- HANDICAPPED SPACE

1 INCH = 30 FEET
SCALE
30 0 30
IN FEET

AREA = 54.8739 ACRES

REFER TO MAP No. 4721 G.L.R.

LAND LIES IN "R-20" AND "RA-1" ZONES

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED.

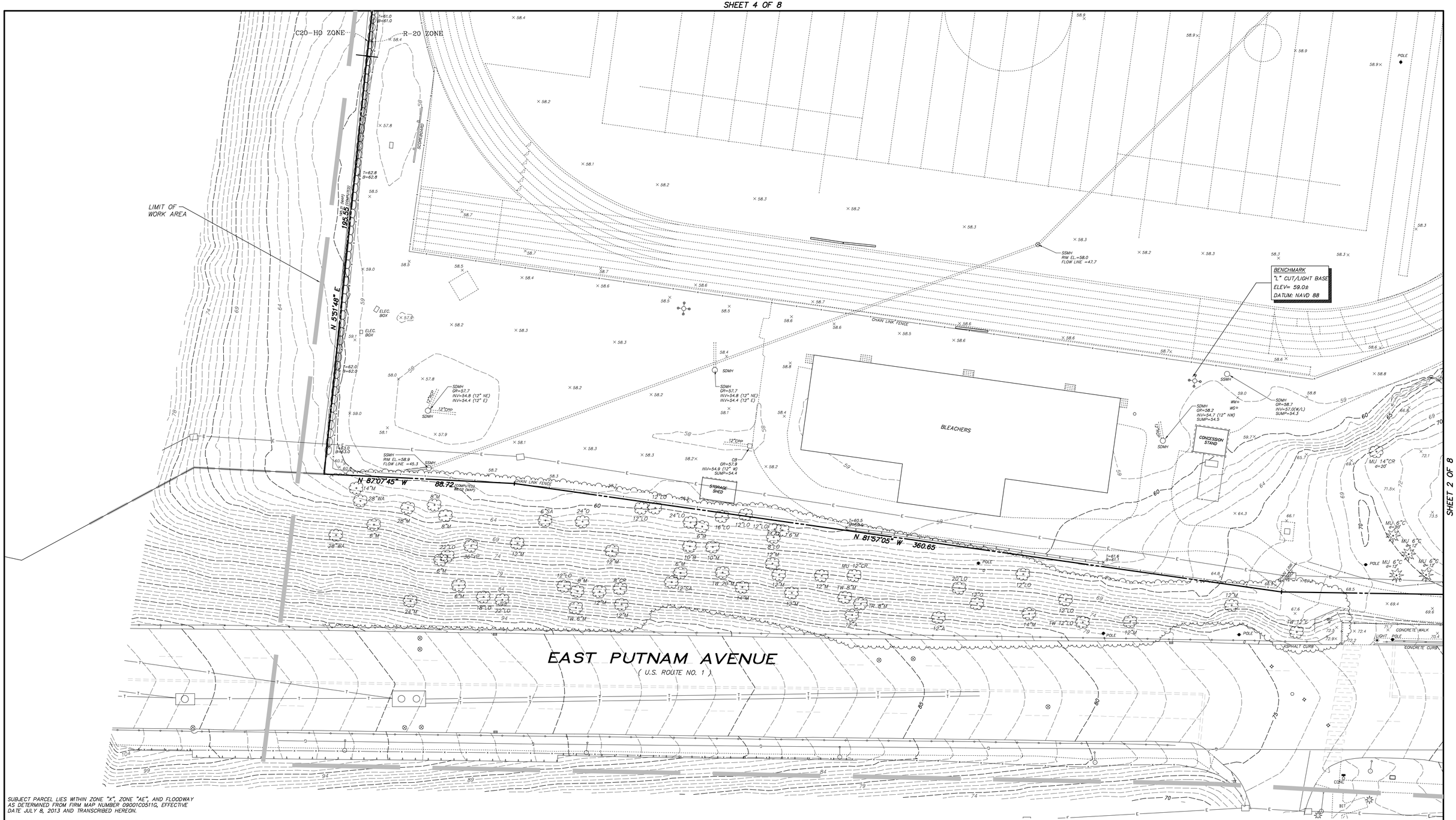
ROCCO V. D'ANDREA , INC.

_____ , SURVEYOR

ANTHONY L. D'ANDREA, CT PE LS No. 9673
RIVERSIDE, CONNECTICUT OCTOBER 6, 2020

ZONING LOCATION SURVEY
DEPICTING
GREENWICH HIGH SCHOOL
ON PROPERTY IN
GREENWICH, CONNECTICUT
PREPARED FOR
THE TOWN OF GREENWICH BOARD OF EDUCATION

ENV_CIVIL_MODEL_ROOM_24_D.DWG (D.T.)



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_____ , SURVEYOR

ANTHONY L. D'ANDREA, CT PE LS No. 9673

RIVERSIDE, CONNECTICUT DECEMBER 18, 2018

LEGEND

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- SSMH — SANITARY SEWER MANHOLE
- LIGHT POLE
- CATCH BASINS
- SIGN
- UTILITY POLE
- POST
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UNDERGROUND UTILITY LOCATION SHALL BE FIELD VERIFIED AND MARKED PRIOR TO COMMENCING ANY EXCAVATION ACTIVITIES, "CALL BEFORE YOU DIG," 1-800-922-4455.

1 INCH = 20 FEET

SCALE

20 0 20

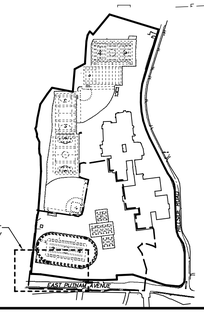
IN FEET

TREE LEGEND

- A – ASH
- AI – AILANTHUS
- B – BIRCH
- BA – BASSWOOD
- C – CEDAR
- CA – CRABAPPLE
- CH – CHESTNUT
- CO – COTTONWOOD
- CR – CHERRY
- CT – CATALPA
- DG – DOGWOOD
- E – ELM
- G – GINKO
- HE – HEMLOCK
- JM – JAPANESE MAPLE
- LI – LINDEN
- LO – LOCUST
- M – MAPLE
- O – OAK
- P – PINE
- S – SPRUCE
- SA – SASSAFRAS
- SY – SYCAMORE
- W – WILLOW
- WA – WALNUT
- YP – YELLOW POPLAR

MU – MULTI
TR – TRIPLE
TW – TWIN

CONNECTICUT COORDINATE SYSTEM NAD 83



TOPOGRAPHIC SURVEY

DEPICTING

GREENWICH HIGH SCHOOL

ON PROPERTY IN

GREENWICH, CONNECTICUT

PREPARED FOR

THE TOWN OF GREENWICH BOARD OF EDUCATION

SHEET 1 OF 8

SHEET 2 OF 8

18SVL_GHS_HNDR3_TS_ALDWG (Cx 1)

SHEET 1 OF 8

SHEET 3 OF 8

EAST PUTNAM AVENUE
(U.S. ROUTE NO. 1)

LIMIT OF WORK AREA

ROCK

FLOODWAY ZONE "X"

ZONE "AE"

144.92 S 86°57'35" W

38.09 S 2°11'25" E

215.21' N 89°07'05" W

122.13 S 87°17'55" W

314.60 N 72°14'25" W

MONUMENTED STATE HIGHWAY LINE

RETAINING WALL

CHAIN LINK FENCE

ASPHALT WALK

CONCRETE CURB

ASPHALT CURB

CONCRETE WALK

TRAFFIC CONTROL BOX

HYDRANT

POLE

SIGN

CB GR=57.9 INV=55.2 (6" W) SUMP=55.1

CB GR=58.7 INV=56.1 (6" SW) SUMP=55.9

ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

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AREA = 54.8739 ACRES

REFER TO MAP No. 4721 G.L.R.

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ROCCO V. D'ANDREA , INC.

_____ , SURVEYOR
ANTHONY L. D'ANDREA, CT PE LS No. 9673
RIVERSIDE, CONNECTICUT DECEMBER 18, 2018

THE LIMIT OF WETLAND SOILS DEPICTED HEREON WAS DELINEATED IN THE FIELD BY WILLIAM KENNY, SOIL SCIENTIST, WILLIAM KENNY ASSOCIATES LLC., ON DECEMBER 4, 2018 AND FIELD LOCATED BY ROCCO V. D'ANDREA, INC.

LEGEND

- SDMH — STORM DRAIN MANHOLE
- SSMH — SANITARY SEWER MANHOLE
- LIGHT POLE
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- POST
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1 INCH = 20 FEET
SCALE
20 0 20
IN FEET

SUBJECT PARCEL LIES WITHIN ZONE "X", ZONE "AE", AND FLOODWAY AS DETERMINED FROM FIRM MAP NUMBER 09001C0511G, EFFECTIVE DATE JULY 8, 2013 AND TRANSCRIBED HEREON.

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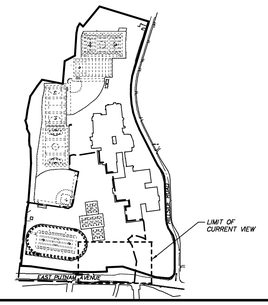
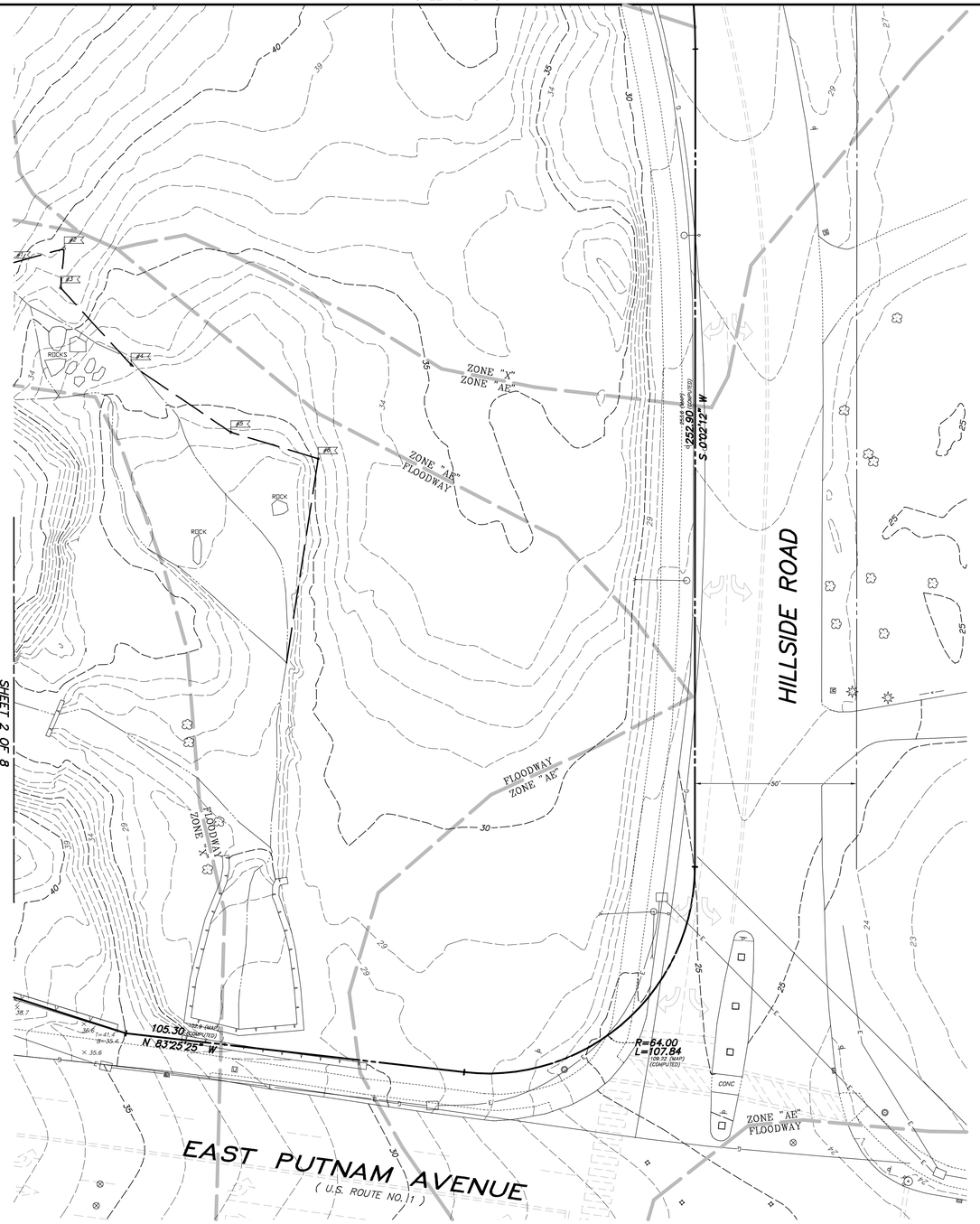
CONNECTICUT COORDINATE SYSTEM
NAD 83



TOPOGRAPHIC SURVEY
DEPICTING
GREENWICH HIGH SCHOOL
ON PROPERTY IN
GREENWICH, CONNECTICUT
PREPARED FOR
THE TOWN OF GREENWICH BOARD OF EDUCATION

SHEET 2 OF 8

18SV_DWG_HDR3_TS.DGN (Ed 1)



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ANTHONY L. D'ANDREA, CT PE LS No. 9673
RIVERSIDE, CONNECTICUT DECEMBER 18, 2018

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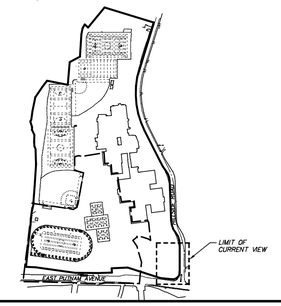
CONNECTICUT COORDINATE SYSTEM
NAD 83



TOPOGRAPHIC SURVEY
DEPICTING
GREENWICH HIGH SCHOOL
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GREENWICH, CONNECTICUT
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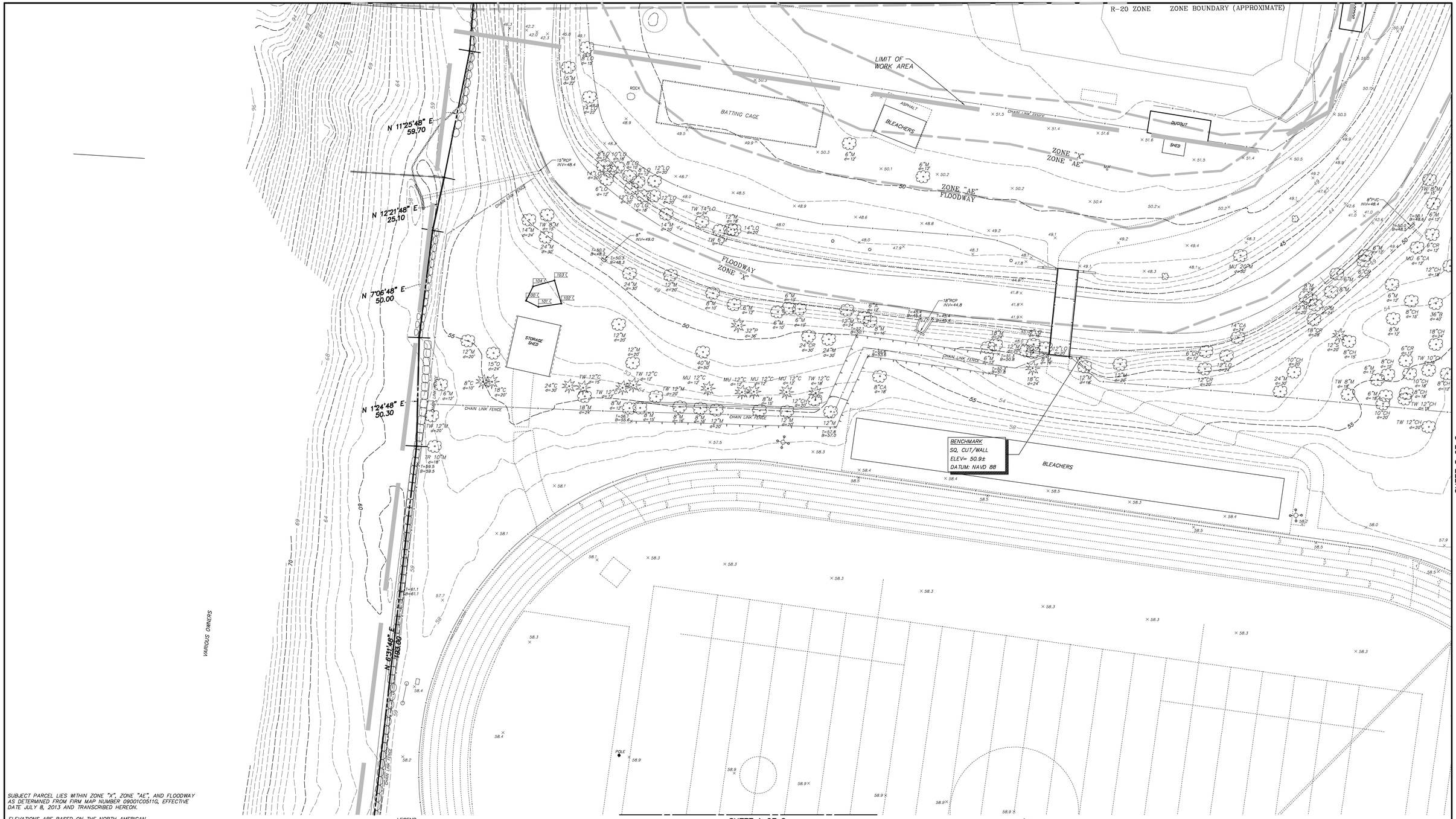
SHEET 3 OF 8

18SN_GHS_NAD83_TS_0.DWG (G.T.)



SHEET 1 OF 8

SHEET 5 OF 8

SUBJECT PARCEL LIES WITHIN ZONE "X", ZONE "AE", AND FLOODWAY AS DETERMINED FROM FIRM MAP NUMBER 09001C0511G, EFFECTIVE DATE JULY 8, 2013 AND TRANSCRIBED HEREON.

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_____ , SURVEYOR
ANTHONY L. D'ANDREA, CT PE LS No. 9673
RIVERSIDE, CONNECTICUT DECEMBER 18, 2018

LEGEND

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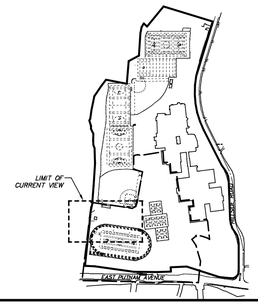
CONNECTICUT COORDINATE SYSTEM
NAD 83



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18SN_GHS_NAD83_TS_D.DWG (G.T)

SHEET 7 OF 8

SHEET 4 OF 8

SHEET 6 OF 8

SUBJECT PARCEL LIES WITHIN ZONE "X", ZONE "AE", AND FLOODWAY AS DETERMINED FROM FIRM MAP NUMBER 09001C0511G, EFFECTIVE DATE JULY 8, 2013 AND TRANSCRIBED HEREON.

BUILDING

LIMIT OF WORK AREA

ZONE "X"

ZONE "AE"

FLOODWAY ZONE "AE"

ZONE "AE" FLOODWAY

CONCRETE CURB

ASPHALT WALK

RETAINING WALL

CHAIN LINK FENCE

STONE WALL

10' BRIDGE

ROCKS

SSMH RIM=58.4 FLOW LINE =48.6

SSMH RIM=51.9 FLOW LINE EL.=48.4

SSMH RIM=52.5 INV=49.9(12"-SW) INV=49.6(8"-E) INV=49.6(8"-NE) INV=49.6(6"-NW)

SSMH RIM=50.1 INV=41.3(30"-SW) INV=41.3(30"-NE) INV=44.7(12"-NW) INV=42.8(12"-NE)

SSMH RIM=48.5 INV=38.5(6"-W) INV=41.2(6"-N) INV=38.5(6"-E) INV=44.3(4"-SW)

CB RIM=44.5 INV=42.4(12"-SW) SUMP=39.6

CB RIM=45.4 INV=42.9(12"-W) INV=43.6(12"-E) SUMP=40.1

CB QR=47.7 INV=45.9(12"-SE) SUMP=43.5

CB QR=57.7 INV=54.7 (12" SW) SUMP=54.7

58± 12" RCP @ 4.0%

11"± 12" RCP @ 1.8%

7"± 12" RCP @ 1.4%

14"± 30" RCP @ 1.4%

30"RCP INV=41.1

12"RCP INV=42.7

12"RCP INV=42.1

LIGHT

SHEET 2 OF 8

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RIVERSIDE, CONNECTICUT DECEMBER 18, 2018

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CONNECTICUT COORDINATE SYSTEM NAD 83

LIMIT OF CURRENT VIEW

EAST PUTNAM AVENUE

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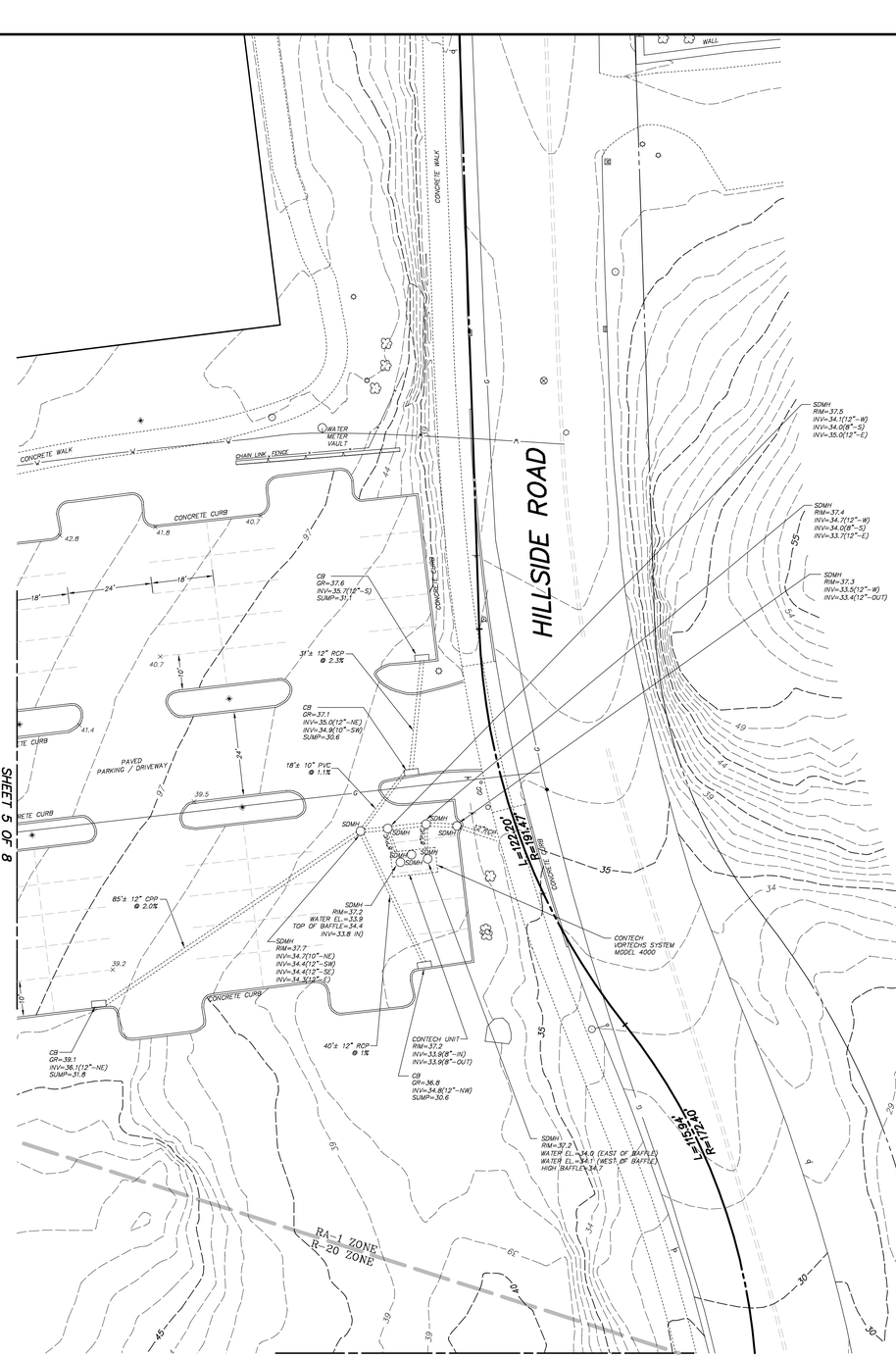
SHEET 5 OF 8

1850L_GHS_HA0A3_TS_2.DWG (A1)

1850L



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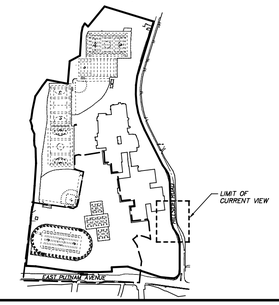
CONNECTICUT COORDINATE SYSTEM NAD 83



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SHEET 6 OF 8

T:\BSN_CIVIL_MODELS_TS_D.DWG (G.T.)



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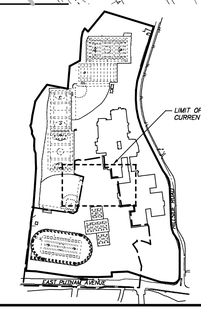

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SHEET 7 OF 8

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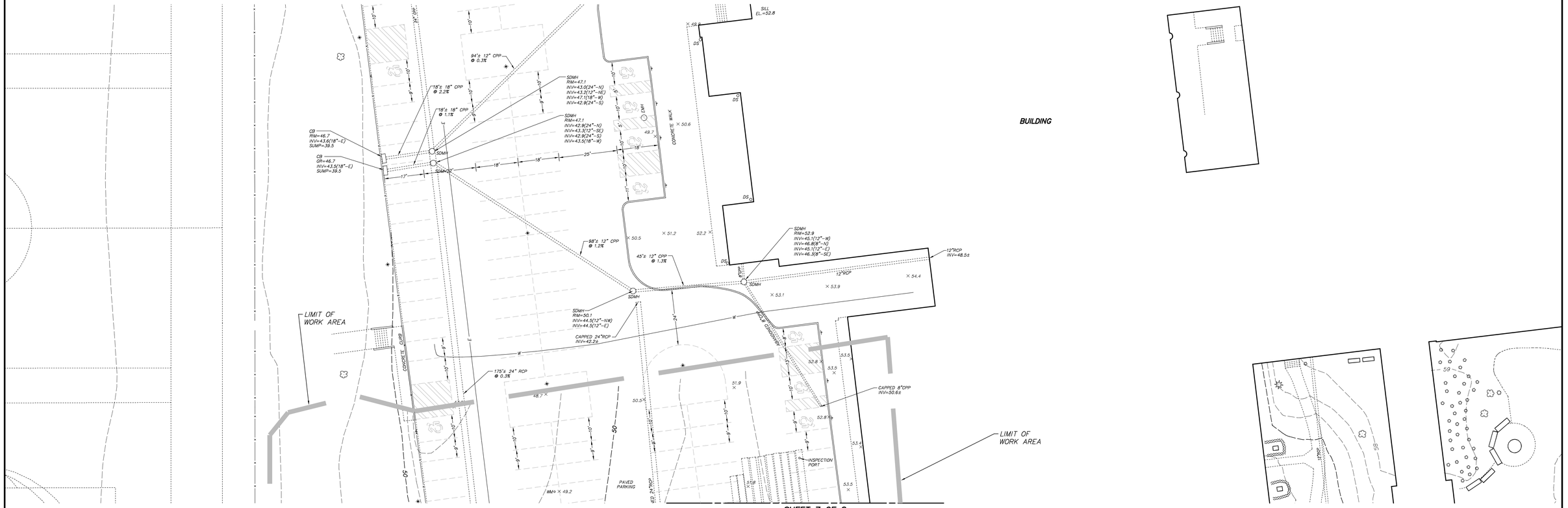
1850L_GIS_NAD83_TS_A.DWG (Cc 1)
1850



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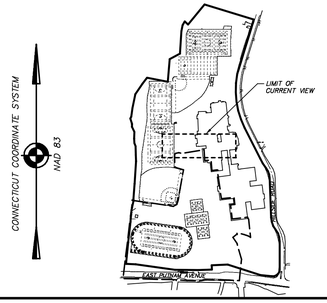

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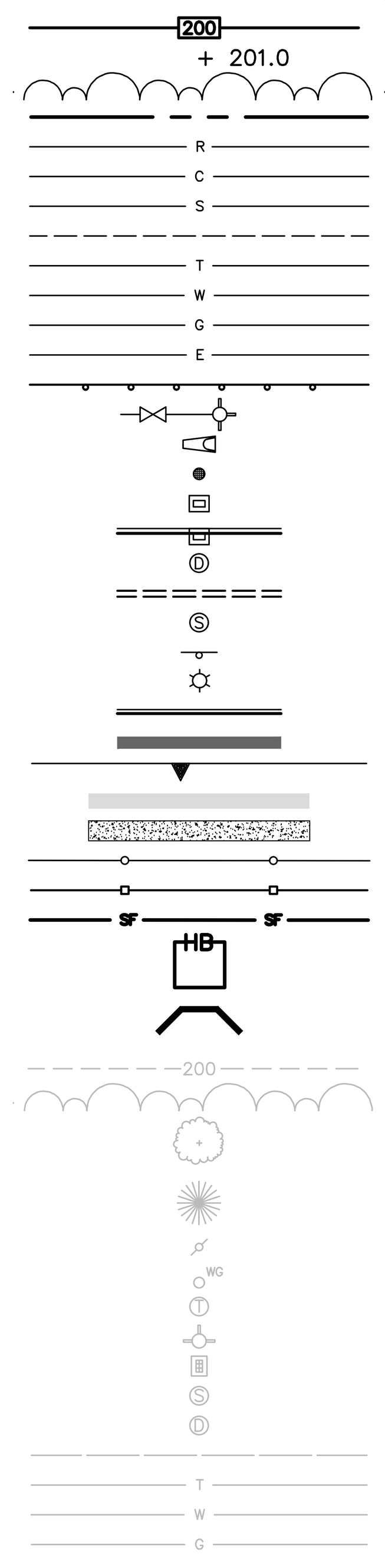
SHEET 8 OF 8

18SN_GHS_NAD83_TS_0.DWG (G.T.)

LEGEND



- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION
- PROPOSED CLEARING LIMIT (APPROX.)
- PROPERTY LINE
- PROPOSED ROOF DRAIN
- PROPOSED CABLE LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED STORM DRAINAGE LINE
- PROPOSED TELEPHONE LINE
- PROPOSED WATER MAIN
- PROPOSED GAS MAIN
- PROPOSED ELECTRICAL SERVICE
- PROPOSED GUIDE RAIL
- PROPOSED HYDRANT AND GATE VALVE
- PROPOSED REINFORCED CONCRETE CULVERT END
- PROPOSED YARD DRAIN
- PROPOSED TYPE "C-L" CATCH BASIN
- PROPOSED TYPE "C" CATCH BASIN
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- PROPOSED STORM DRAIN
- PROPOSED SANITARY MANHOLE
- PROPOSED SIGN
- PROPOSED LIGHT POLE
- PROPOSED CURB
- PROPOSED RETAINING WALL
- TOWN WETLANDS LINE
- PROPOSED EROSION CONTROL MAT
- PROPOSED CONCRETE WALK
- PROPOSED CHAIN LINK FENCE
- PROPOSED GUARD RAIL
- PROPOSED SILT FENCE
- PROPOSED HAY BALES
- PROPOSED HAYBALE CHECK DAM
- EXISTING CONTOURS
- EXISTING TREE LINE
- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE
- EXISTING UTILITY POLE
- EXISTING WATER GATE VALVE
- EXISTING TELEPHONE MANHOLE
- EXISTING HYDRANT
- EXISTING CATCH BASIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER LINE
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- EXISTING ELECTRICAL SERVICE

2

INSPECTION & AS-BUILT REQUIREMENTS

THE BOARD OF EDUCATION NEEDS TO HIRE AN ENGINEERING FIRM (ALL PRIVATE DEVELOPMENT PROJECTS IN TOWN TYPICALLY USE THE PROJECT DESIGN ENGINEER) TO HANDLE THE ENTIRE SITE CONSTRUCTION INSPECTION TO MEET THE REQUIREMENTS OF THE TOWN OF GREENWICH DRAINAGE MANUAL FEBRUARY 2012 AS AMENDED TO OBTAIN A CERTIFICATE OF OCCUPANCY. A LICENSED LAND SURVEY FIRM (ALL PRIVATE DEVELOPMENT PROJECTS IN TOWN TYPICALLY USE THE SURVEYOR USED FOR THE PROJECT DESIGN) SHALL ALSO BE HIRED TO DEVELOP THE REQUIRED IMPROVEMENT LOCATION SURVEY WHICH IS NEEDED BY THE ENGINEER TO VERIFY THAT THE PROJECT WAS CONSTRUCTED AS APPROVED TO OBTAIN A CERTIFICATE OF OCCUPANCY.

1

STANDARD CONDITIONS FOR EACH SUBMITTAL

1 THE ENGINEERING DIVISION WILL NO LONGER KEEP ANY RECORDS FOR THE SUBMITTALS. ALL RECORDS FOR THE SUBMITTAL SHALL BE OBTAINED FROM THE TOWN OF GREENWICH DEPARTMENT/DIVISION THAT HAS TAKEN IN APPLICATIONS AND/OR SUBMITTALS. THESE DOCUMENTS ARE MAINTAINED WITHIN EACH OFFICE (E.G. P&Z, IWWA, AND DPW BUILDING AND HIGHWAY DIVISIONS).

2. ALL REVISIONS TO THE REPORTS AND PLANS MUST FOLLOW THE REQUIREMENTS IN THE TOWN OF GREENWICH DRAINAGE MANUAL FEBRUARY 2014 AS AMENDED.

3. ALL REVISIONS MUST BE ACCOMPANIED BY A POINT-BY-POINT WRITTEN RESPONSE TO THE ENGINEERING DIVISION'S COMMENTS.

STANDARD CONDITIONS OF APPROVAL

1. THE OPERATIONS AND MAINTENANCE PLAN REPORT MUST INCLUDE THE FOLLOWING FOR THE CERTIFICATE OF OCCUPANCY:
   a. THE FINAL COMPLETED STORMWATER MANAGEMENT PRACTICES MAINTENANCE DECLARATION.
   b. THE FINAL COMPLETED EXHIBIT A, AND B
   c. THE MAINTENANCE DECLARATION NEEDS TO BE FILED ON THE TOWN OF GREENWICH LAND RECORDS PRIOR TO A
   CERTIFICATE OF OCCUPANCY. A REVIEW OF THE DOCUMENTS ABOVE MUST BE COMPLETED BEFORE FILING ON THE TOWN OF GREENWICH LAND RECORDS.

2. THE TOWN OF GREENWICH – STANDARD CONSTRUCTION NOTES FOR SITE AND SUBDIVISION PLANS ARE CONDITIONS THAT MUST BE MET.

3. ALL REQUESTS FOR A TEMPORARY CERTIFICATE OF OCCUPANCY (T.C.O.) OR A CERTIFICATE OF OCCUPANCY (C.O.) SHALL BE SUBMITTED ONE MONTH BEFORE THE T.C.O. OR C.O. IS REQUIRED.

4. THE SUBMITTAL FOR A TEMPORARY OR FINAL CERTIFICATE OF OCCUPANCY MUST INCLUDE THE FOLLOWING:
   a. SITE INSPECTION CERTIFICATION SIGN-OFF – FORM SC-102 – SEALED AND SIGNED BY A CONNECTICUT LICENSED PROFESSIONAL ENGINEER.
   b. DRAINAGE CERTIFICATION SIGN-OFF – FORM SC-103 – SEALED AND SIGNED BY A CONNECTICUT LICENSED PROFESSIONAL ENGINEER.
   c. FIELD INSPECTION RECORD (ALL REQUIRED PHOTOS) – FORM SC-106 – SEALED AND SIGNED BY A CONNECTICUT LICENSED PROFESSIONAL ENGINEER.
   d. BIORETENTION SOIL TESTING CERTIFICATION SIGN-OFF (AS APPLICABLE WITH THE BIORETENTION SOIL GRADATION TEST AND THE PHOSPHOROUS TEST FOR THE MIXED SOIL) – FORM SC-104 – SEALED AND SIGNED BY A CONNECTICUT LICENSED PROFESSIONAL ENGINEER.
   e. DIRECTLY CONNECTED IMPERVIOUS AREA (DCIA) CERTIFICATION POST-CONSTRUCTION – FORM SC-108 – SEALED AND SIGNED BY A CONNECTICUT LICENSED PROFESSIONAL ENGINEER.
   f. OPERATIONS & MAINTENANCE PLAN REPORT (STORMWATER MANAGEMENT PRACTICES MAINTENANCE DECLARATION AND EXHIBIT A) – SEALED AND SIGNED BY A CONNECTICUT LICENSED PROFESSIONAL ENGINEER.
   g. IMPROVEMENT LOCATION SURVEY DEPICTING "AS-BUILT" CONDITIONS – SEALED AND SIGNED BY A CONNECTICUT LICENSED LAND SURVEYOR.
   h. A LETTER DISCUSSING ALL THE WORK THAT REMAINS TO BE COMPLETED (ONLY FOR A TEMPORARY CERTIFICATE OF OCCUPANCY SUBMITTAL).

TOWN OF GREENWICH STANDARD CONSTRUCTION NOTES

1. A HIGHWAY PERMIT IS REQUIRED FOR ALL WORK WITHIN THE TOWN OF GREENWICH -RIGHT OF WAY.

2. ALL WORK WITHIN THE TOWN OF GREENWICH -RIGHT OF WAY SHALL BE CONSTRUCTED TO TOWN OF GREENWICH STANDARDS.

3. CATCH BASINS FOR PRIVATE DRIVEWAYS SHALL HAVE A MINIMUM GRATE OF TWO FEET BY TWO FEET. IF THE DRIVEWAY IS CURBED THE CATCH BASIN SHALL HAVE A MINIMUM CURB INLET OF SIX INCHES. EACH DRIVEWAY CATCH BASIN SHALL ALSO HAVE A MINIMUM TWO -FOOT SUMP AND BELL TRAP.

4. ALL DRAINAGE CONNECTIONS TO THE TOWN DRAINAGE SYSTEM SHALL BE GRAVITY LINES. IF A DISCHARGE FROM A SUMP PUMP IS CONNECTED TO THE TOWN DRAINAGE SYSTEM IT MUST DISCHARGE TO A DRAINAGE STRUCTURE ON PRIVATE PROPERTY AND THEN BE CONNECTED TO THE TOWN DRAINAGE SYSTEM. ALL SUMP PUMPS REQUIRE A BACKFLOW PREVENTER (CHECK VALVE) BETWEEN THE PUMP AND THE DRAINAGE STRUCTURE. A DRAIN CONNECTION PERMIT FROM THE HIGHWAY DIVISION IS REQUIRED FOR ALL CONNECTIONS TO THE TOWN DRAINAGE SYSTEM.

5. IN ROADWAY CUTS, SUBDRAINS SHALL BE REQUIRED IF SEEPAGE OCCURS DURING CONSTRUCTION OR WITHIN ONE YEAR AFTER ROAD CONSTRUCTION IS COMPLETED AND ACCEPTED, EVEN THOUGH PLANS MAY HAVE BEEN APPROVED WITHOUT SUBDRAINS AND/OR ROADWAY CONSTRUCTION HAS BEEN COMPLETED.

6. ALL RETAINING WALLS GREATER THAN THREE FEET ARE REQUIRED TO BE DESIGNED, AND INSPECTED DURING CONSTRUCTION BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CONNECTICUT.

7. ALL DETENTION/RETENTION SYSTEMS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL SYSTEMS SHALL USE A MANIFOLD SYSTEM TO DISTRIBUTE RUNOFF EVENLY INTO EACH ROW OF INFILTRATORS. DETENTION SYSTEMS WILL HAVE A MANIFOLD SYSTEM THAT CREATES THE LONGEST TRAVEL TIME TO THE CONTROL STRUCTURE. ALL DETENTION/RETENTION SYSTEMS MUST USE A STRUCTURE SUCH AS A MANHOLE FOR THE CONTROL STRUCTURE SO ALL FLOW CONTROL DEVICES CAN BE ACCESSED FOR MAINTENANCE.

8. ALL INFILTRATION SYSTEMS MUST MEET THE STORMWATER INFILTRATION/RECHARGE DESIGN REQUIREMENTS IN APPENDIX B OF THE TOWN OF GREENWICH DRAINAGE MANUAL. THERE MUST BE AT LEAST A 2-FOOT SEPARATION DISTANCE FROM THE BOTTOM OF STONE BELOW THE INFILTRATION STRUCTURE TO THE SEASONAL HIGH GROUNDWATER OR BEDROCK/LEDGE (THIS SEPARATION REQUIREMENT MAY BE WAIVED OR REDUCED BY THE APPROVING AUTHORITY ON A CASE-BY-CASE BASIS). A 3-FOOT SEPARATION DISTANCE IS REQUIRED FROM THE BOTTOM OF STONE BELOW THE INFILTRATION STRUCTURE TO SEASONAL HIGH GROUNDWATER FOR LAND USES WITH HIGHER POTENTIAL POLLUTANT LOADS (HIGH LOAD AREAS). PRIOR TO THE INSTALLATION OF THE INFILTRATORS THE ENGINEER SHALL VERIFY THE INFILTRATION STRUCTURE IS BEING INSTALLED IN THE APPROVED LOCATION AND IF
THE LOCATION HAS BEEN CHANGED ADDITIONAL SOIL TESTING SHALL BE PERFORMED AND THE ENGINEER SHALL APPROVE THE REVISED LOCATION. A REVIEW BY THE APPROVING AUTHORITY WILL BE REQUIRED.

9. EACH BMP TO BE INSTALLED SHALL HAVE THE SOILS BENEATH THE BMP SCARIFIED OR TILLED TO IMPROVE INFILTRATION.

10. THE CONTRACTOR MUST CONSTRUCT THE BIORETENTION AREA FOLLOWING THE SPECIFICATIONS IN APPENDIX G OF THE TOWN OF GREENWICH DRAINAGE MANUAL FEBRUARY 2012 AS AMENDED.

11. ALL AREAS THAT ARE USED BY CONSTRUCTION EQUIPMENT AND USED FOR CONTRACTOR PARKING MUST HAVE THE SOIL TILLED 12 TO 16 INCHES AND AMENDED WITH SMALL AMOUNTS OF ORGANIC MATERIAL IF NEEDED. THE AREA TO BE RESTORED SHALL BE DETERMINED BY THE SITE ENGINEER.

12. COMPOST-AMENDED SOILS MUST FOLLOW THE REQUIREMENTS AS STATED IN THE TOWN OF GREENWICH DRAINAGE MANUAL FEBRUARY 2012 AS AMENDED.

13. TO OBTAIN A CERTIFICATE OF OCCUPANCY THE SUBMITTAL MUST INCLUDE THE FOLLOWING:
   - ITEMS ON CHECKLIST FOR CERTIFICATE OF OCCUPANCY -FORM CL-105
   - IMPROVEMENT LOCATION SURVEY (ITEMS ON CHECKLIST FOR IMPROVEMENT LOCATION SURVEY DEPICTING "AS-BUILT" CONDITIONS -FORM CL-106)

CONSTRUCTION PHASING NOTES

1. WORK SHALL BE PHASED IN ORDER TO REDUCE THE AMOUNT OF SOIL DISTURBANCE AT ANY GIVEN TIME TO THE FULLEST EXTENT PRACTICABLE.

2. THE GENERAL SEQUENCE OF CONSTRUCTION IS AS FOLLOWS:

- INSTALL CONSTRUCTION ENTRANCE, STORMWATER INLET PROTECTION, SILT FENCING, AND OTHER EROSION & SEDIMENT CONTROL MEASURES AS SHOWN ON SHEET CP-101 AND THE ASSOCIATED DETAILS SHEET (CE-501). NOTE: EROSION AND SEDIMENTATION CONTROLS SHALL BE MODIFIED WITH CHANGING GRADES TO ENSURE ADEQUATE PROTECTION OF AREAS ADJACENT TO THE SITE THROUGHOUT THE ENTIRE PROJECT DURATION.
- CONDUCT SITE PREPARATION ACTIVITIES WHICH INCLUDE LIMITED VEGETATION/TREE CLEARING AND REMOVAL OF EXISTING CURBING, PAVEMENT, FENCING, DRAINAGE INFRASTRUCTURE, AND OTHER EXISTING SITE FEATURES TO BE REMOVED AS INDICATED ON THE DRAWINGS.
- ROUGH GRADE THE SITE AND PERFORM NECESSARY EXCAVATION/EARTHWORK.
- CONSTRUCT NEW TEAM BUILDINGS AND BLEACHERS.
- INSTALL STORMWATER MANAGEMENT SYSTEMS AND UNDERGROUND SITE UTILITIES.
- PERFORM FINAL SITE WORK INCLUDING FINISH GRADING, PAVING, SIDEWALK INSTALLATION, RETAINING WALL CONSTRUCTION, LANDSCAPING, AND STABILIZATION OF DISTURBED SOIL SURFACES.
- PERFORM FINAL SITE CLEAN-UP UPON THE COMPLETION OF WORK. REMOVE TEMPORARY E&S CONTROL MEASURES UPON FINAL SITE STABILIZATION.

CIVIL GENERAL NOTES

GENERAL

1. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
2. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
3. PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDINGS AND ADJACENT SITE ELEMENTS INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.
5. BASE PLAN: THE EXISTING PROPERTY LINES, TOPOGRAPHY, AND PHYSICAL FEATURES SHOWN WERE DETERMINED BY AN ACTUAL FIELD SURVEY PROVIDED TO FUSS & O'NEILL, AND FROM PLANS OF RECORD.
6. TOPOGRAPHIC ELEVATIONS ARE BASED ON NAVD88 DATUM.

WORK RESTRICTIONS

1. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
2. WORK IS RESTRICTED TO THE TOWN OF GREENWICH STANDARD HOURS OF OPERATION.

REGULATORY REQUIREMENTS

1. WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
2. WITHIN STATE RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND ISSUED REVISIONS/SUPPLEMENTS.
3. PROVIDE TRAFFIC SIGNAGE AND PAVEMENT MARKINGS IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
4. BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
5. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.

EROSION AND SEDIMENT CONTROL

1. INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE. REFER TO THE EROSION AND SEDIMENT CONTROL DRAWINGS.
2. IMPLEMENT ALL NECESSARY MEASURES REQUIRED TO CONTROL STORMWATER RUNOFF, DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE. PERFORM CORRECTIVE ACTION AS NEEDED FOR EROSION CLEANUP AND REPAIRS TO OFF SITE AREAS, IF ANY, AT NO COST TO OWNER.
3. INSPECT AND MAINTAIN EROSION CONTROL MEASURES PER THE SCHEDULE IN THE EROSION AND SEDIMENT CONTROL DRAWINGS. DISPOSE OF SEDIMENT IN AN UPLAND AREA. DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
4. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.
5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER SYSTEMS.

DEMOLITION

1. REMOVE AND DISPOSE OF EXISTING SITE FEATURES AND UTILITIES AS REQUIRED TO ACCOMMODATE PROPOSED SITE FEATURES.
2. LIMIT DEMOLITION ACTIVITIES TO THE LIMITS OF WORK IDENTIFIED ON THE DRAWINGS. ANY DAMAGE THAT OCCURS TO EXISTING SITE FEATURES OUTSIDE OF THE INDICATED WORK LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

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1-800-922-4455

CALL-BEFORE-YOU-DIG: THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "CALL BEFORE YOU DIG" AT 1-800-922-4455 TO ARRANGE FOR MARKING OUT EXISTING UNDERGROUND UTILITIES AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION.

SURVEY MAP REFERENCE

TOPOGRAPHIC SURVEY OF GREENWICH HIGH SCHOOL, 10 HILLSIDE ROAD, GREENWICH, CONNECTICUT, PREPARED FOR THE TOWN OF GREENWICH BOARD OF EDUCATION, PREPARED BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED 12/18/18, REVISED THROUGH 8/29/2019, SHEETS 1-10, SCALE: 1"=20'.

CONSTRUCTION LAYOUT

1. PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
2. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
3. IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
4. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
5. BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

EARTHWORK

1. NOTIFY UTILITY LOCATOR SERVICE AT LEAST 72 HOURS BEFORE STARTING EXCAVATION. "CALL BEFORE YOU DIG" AT 1-800-922-4455.
2. STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.

UTILITIES

1. TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
2. THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
3. PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
4. COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
5. INTERIOR DIAMETERS OF STORM DRAIN AND SANITARY SEWER STRUCTURES SHALL BE DETERMINED BY THE PRECAST MANUFACTURER, BASED ON THE INDICATED PIPE SYSTEM LAYOUT AND LOCAL MUNICIPAL STANDARDS.

   MINIMUM INTERIOR DIAMETERS:
   0 TO 20 FEET DEEP; 4 FEET.
   20 FEET OR GREATER; 5 FEET.
6. RIM ELEVATIONS FOR MANHOLES, VALVE COVERS, GATE AND PULL BOXES, AND OTHER STRUCTURES ARE APPROXIMATE. SET OR RESET RIM ELEVATIONS AS FOLLOWS:

   IN PAVEMENTS AND CONCRETE SURFACES: FLUSH
   IN SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
   IN LANDSCAPE, SEEDED, AND OTHER EARTH SURFACE AREAS:
   1 INCH ABOVE SURROUNDING AREA; TAPER EARTH TO RIM ELEVATION.
7. INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.

PAVEMENT

1. AT A MINIMUM, CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).

SITE RESTORATION

1. PROVIDE 6 INCHES OF TOPSOIL (OUTSIDE OF CAP) AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
3. RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

OPERATIONS AND MAINTENANCE PLAN

1. CATCH BASIN SUMPS MUST BE INSPECTED AT REGULAR INTERVALS AND CLEANED WHEN NECESSARY. AT A MINIMUM, INSPECTIONS SHOULD BE CONDUCTED TWICE PER YEAR, ONCE IN THE SPRING AND AGAIN IN THE FALL. MORE INSPECTIONS MAY BE REQUIRED DURING WINTER MONTHS WHERE HEAVY SANDING OPERATIONS MAY LEAD TO RAPID SEDIMENT ACCUMULATION WITHIN THE STRUCTURES. CLEANING OPERATIONS ARE TYPICALLY DONE USING A VACUUM TRUCK.

2. LANDSCAPED AREAS, GRAVEL PARKING AREAS, AND PARKING LOTS ARE TO BE PROPERLY MAINTAINED AND KEPT FREE OF LITTER. LITTER ON THE SITE IS TO BE PICKED UP AND PROPERLY DISPOSED OF.

3. PAVED SURFACES WILL BE SWEPT A MINIMUM OF TWO TIMES PER YEAR.

4. ALL STORMWATER FACILITIES/ RAIN GARDENS/ OUTFALLS ARE TO BE INSPECTED FOLLOWING HEAVY RAINS. ANY EROSION IS TO BE STABILIZED AS SOON AS POSSIBLE, AND ANY CLOGGED STRUCTURES ARE TO BE UNCLOGGED.

5. RAIN GARDENS, AND RIPRAP ENERGY DISSIPATERS ASSOCIATED WITH THE OUTFALLS ARE TO BE INSPECTED AND CLEANED TWICE A YEAR. EXCESS ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED BY HAND AND DISPOSED OF EITHER ON SITE IN NON-WETLAND AREAS, OR OFF-SITE.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
2	1/28/2021	RESPONSE TO TOWN COMMENTS		
1	12/22/2020	RESPONSE TO TOWN COMMENTS		

SEAL

SCALE:
HORZ.: N.T.S.
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS

GENERAL NOTES & LEGEND

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

GI-001

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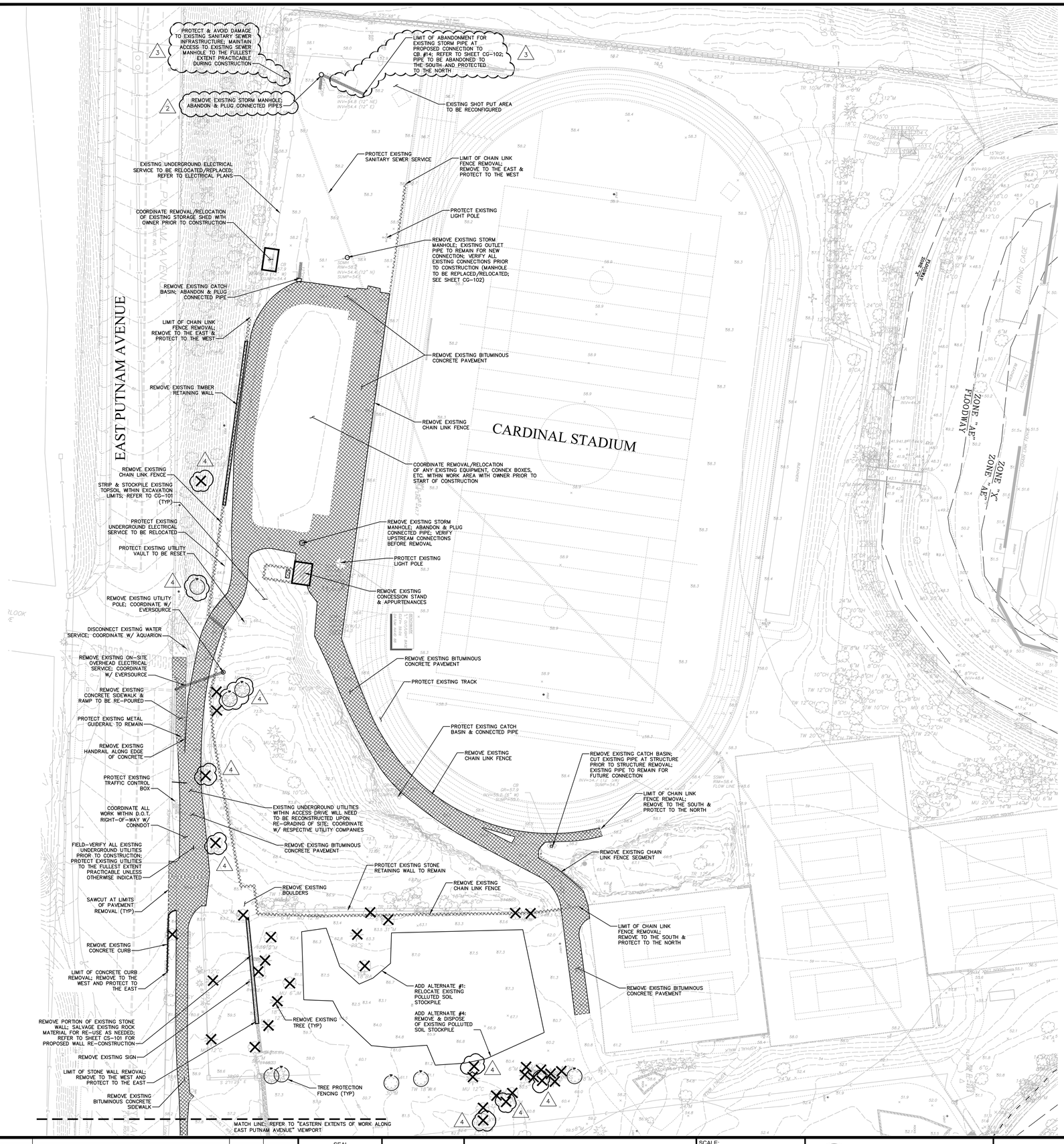
LAYER STATE:



SURVEY MAP REFERENCE

TOPOGRAPHIC SURVEY OF GREENWICH HIGH SCHOOL, 10 HILLSIDE ROAD, GREENWICH, CONNECTICUT, PREPARED FOR THE TOWN OF GREENWICH BOARD OF EDUCATION, PREPARED BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED 12/18/18, REVISED THROUGH 9/22/2020, SHEETS 1-10, SCALE: 1"=20'.

TRAFFIC CONTROL NOTE

MAINTENANCE & PROTECTION OF TRAFFIC TO BE COORDINATED WITH DOT DISTRICT OFFICE AND POLICE DEPARTMENT WHEN CONDUCTING CONSTRUCTION ACTIVITIES WITHIN OR OTHERWISE OBSTRUCTING EAST PUTNAM AVENUE. CONTRACTOR TO PROVIDE APPROPRIATE CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL DEVICES AS REQUIRED.

UTILITY NOTE

THE UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATION OF VISIBLE FEATURES, MAPS AND PLANS OF RECORD, UTILITY MAPPING OR OTHER SOURCES OF INFORMATION. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE ENGINEER DOES DECLARE THAT THEY ARE DEPICTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

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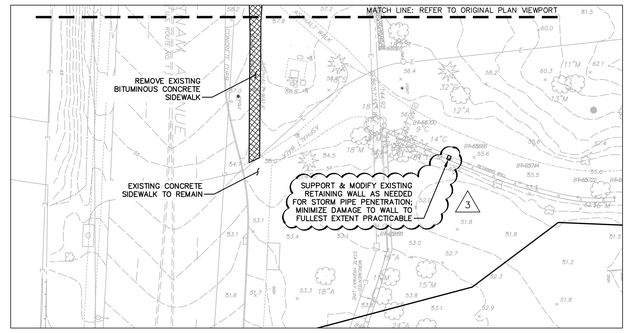
ENVIRONMENTAL RESTRICTION NOTE

ANY WORK RELATED TO THE ABILITY TO EXCAVATE ON THE SITE PER THE RESTRICTIONS DUE TO CONTAMINATED SOILS MUST BE COORDINATED WITH THE ENVIRONMENTAL CONSULTANT AND THE COMMISSIONER OF PUBLIC WORKS.

2



EASTERN EXTENTS OF WORK ALONG EAST PUTNAM AVENUE
SCALE: 1"=30'

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
4	4/21/2021	RESPONSE TO TOWN COMMENTS		
3	2/10/2021	RESPONSE TO TOWN COMMENTS		
2	12/22/2020	RESPONSE TO TOWN COMMENTS		
1	12/7/2020	BID ADDENDUM #4		

SEAL

STATE OF CONNECTICUT · PHILIPPE LEMAY · No. 24634 · LICENSED PROFESSIONAL ENGINEER

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
VERT.:
30 15 0 30
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH

GREENWICH PUBLIC SCHOOLS

SITE DEMOLITION / SITE PREPARATION PLAN

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

CP-101

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MS VIEW: LAYER STATE:
Plotter: DWG TO PDF.PC3 CTB File: FO.STB

22.5' x 22' CHAIN LINK FENCE ENCLOSURE W/ GATE; 6' HEIGHT; ENCLOSURE TO INCLUDE GENERATOR, TRANSFORMER, & OTHER ELECTRICAL EQUIPMENT (REFER TO ELECTRICAL PLANS)

10' WIDE COMPACTED GRAVEL DRIVE FOR ACCESS TO EXISTING SEWER MH

6" DIA. BOLLARD (TYP OF 3)

LIGHT POLE; REFER TO LIGHTING PLAN (TYP)

"NO PARKING" SIGN (TYP OF 4)

RECONFIGURED SHOT PUT AREA

65.5'

60'

RAIN GARDEN

BITUMINOUS CONCRETE PAVEMENT (TYP)

LAWN

LIMIT OF CONCRETE CURB

"APPROVED VENDOR PARKING ONLY (L)" SIGN

CONCRETE SIDEWALK

PARALLEL PARKING SPACES FOR FOOD TRUCKS & OTHER AUTHORIZED VEHICLES

LIMIT OF CHAIN LINK FENCE; CONNECT TO EXISTING FENCE

OVERHEAD EXTENTS OF BLEACHERS; REFER TO ARCHITECTURAL PLANS (TYP)

COLUMN FOR BLEACHERS; REFER TO ARCHITECTURAL PLANS (TYP)

BOLLARD LIGHT; REFER TO LIGHTING PLAN (TYP OF 6)

LIMIT OF CONCRETE CURB

"APPROVED VENDOR PARKING ONLY (R)" SIGN

4" WHITE PAVEMENT MARKINGS (TYP)

LAWN

LIMIT OF SEAT WALL

SEGMENTAL BLOCK RETAINING WALL

6' HEIGHT CHAIN LINK FENCE

BITUMINOUS CONCRETE PAVEMENT

REPLACE CONCRETE SIDEWALK, CONCRETE RAMP, & HANDRAIL; MATCH EXISTING EXTENTS & WIDTH; HANDRAIL SHALL MEET CURRENT BUILDING CODE

LIMIT OF CONCRETE CURB

LIMIT OF CONCRETE CURB

MONOLITHIC CONCRETE CURB & SIDEWALK

SINGLE YELLOW LINE

LAWN

LIMIT OF CONCRETE CURB

ACCESSIBLE CONCRETE RAMP W/ FLUSH LANDING

LIMIT OF CONCRETE CURB

LIMIT OF CONCRETE CURB; MATCH TO EXISTING CURB LINE

"STOP" & "NO LEFT TURN" SIGNS

REMOVABLE METAL CHAIN W/ REFLECTIVE SLEEVE ON METAL POSTS (TYP OF 2)

MOUNTABLE CONCRETE CURB

STAMPED CONCRETE ISLANDS; PATTERN TBD

CONCRETE CURB

WHITE PAINTED CROSSWALK (TYP)

WHITE PAINTED ARROW (TYP)

EDGE OF BITUMINOUS CONCRETE PAVEMENT (TYP)

CONCRETE CURB

LIMIT OF CONCRETE CURB; MATCH TO EXISTING CURB LINE

CONCRETE SIDEWALK

7' x 6' RIPRAP OUTLET PROTECTION

RAIN GARDEN

LIMITS OF CONCRETE CURB

8'

EAST PUTNAM AVENUE

FF: 59.50

FF: 59.50

CARDINAL STADIUM

RAIN GARDEN

LIMIT OF CHAIN LINK FENCE; CONNECT TO EXISTING FENCE

15' WIDE CHAIN LINK DOUBLE LEAF GATE

FIELD ACCESS AREA

CONCRETE SIDEWALK

PERMEABLE PAVERS; REFER TO LANDSCAPE PLANS

EDGE OF CONCRETE SIDEWALK FLUSH W/ PAVEMENT (TYP)

REFER TO ARCHITECTURAL PLANS FOR BLEACHERS, STEPS, RAMPS, PRESS BOX, AND BUILDINGS

CHAIN LINK FENCE; MATCH EXISTING HEIGHT

CRUSHED STONE SURFACING BENEATH BLEACHERS

CONCRETE SIDEWALK

PERMEABLE PAVERS; REFER TO LANDSCAPE PLANS

CONCRETE STEPS W/ HANDRAILS

1.5' HIGH SEAT WALL

CHAIN LINK FENCE; MATCH EXISTING HEIGHT

LIMIT OF SEAT WALL

LIMIT OF PERMEABLE ASPHALT SIDEWALK/ CONCRETE SIDEWALK

CONCRETE CURB

20' WIDE CHAIN LINK DOUBLE LEAF GATE

BOLLARD LIGHT; REFER TO LIGHTING PLAN (TYP OF 4)

CHAIN LINK FENCE; MATCH EXISTING HEIGHT

"STOP" SIGN

"EMERGENCY & AUTHORIZED VEHICLES ONLY" SIGN

CONCRETE LANDING & RAMP

12" WHITE STOP BAR & "STOP" PAVEMENT MARKING (TYP)

SINGLE YELLOW LINE

CONCRETE CURB

ACCESSIBLE CONCRETE RAMP

DETECTABLE WARNING STRIPS (TYP)

BITUMINOUS CONCRETE SIDEWALK

9' (TYP)

7' x 6' RIPRAP OUTLET PROTECTION

"NO PARKING" SIGN FOR TURN-AROUND AREA

15' x 18' RIPRAP STILLING BASIN

NEW STONE WALL SEGMENT BETWEEN EXISTING WALLS; UTILIZE EXISTING ROCK MATERIAL GENERATED FROM WALL REMOVAL

REBUILD & REPAIR ANY DAMAGED SECTION(S) OF EXISTING STONE RETAINING WALL

"RESERVED PARKING" SIGN W/ BOLLARD POST (TYP OF 7)

1' HIGH CONCRETE CURB ALONG BACK OF WALK

"RESERVED PARKING" SIGN W/ "VAN ACCESSIBLE" PLACARD AND BOLLARD POST (TYP OF 4)

CONCRETE SIDEWALK

"RESERVED PARKING" SIGN W/ BOLLARD POST (TYP OF 6)

LIMIT OF CONCRETE CURB

ACCESSIBLE CONCRETE RAMP

"RESERVED" STENCILED PAVEMENT MARKING (TYP OF 5)

BITUMINOUS CONCRETE PAVEMENT

MONOLITHIC CONCRETE CURB & SIDEWALK

PERMEABLE ASPHALT SIDEWALK

LIMIT OF BITUMINOUS CONCRETE SIDEWALK / PERMEABLE ASPHALT SIDEWALK

LIMIT OF CONCRETE CURB

BITUMINOUS CONCRETE SIDEWALK

LIMIT OF BITUMINOUS CONCRETE SIDEWALK / BRICK PAVERS

CONCRETE CURB (VARIABLE HEIGHT)

ENTRY KIOSK; REFER TO ARCHITECTURAL PLANS

BRICK PAVERS; REFER TO LANDSCAPE PLANS

10' WIDE WROUGHT IRON DOUBLE LEAF GATE (TYP OF 2)

LIMIT OF BITUMINOUS CONCRETE SIDEWALK / BRICK PAVERS

LIMIT OF CONCRETE CURB

LIMIT OF CHAIN LINK FENCE; CONNECT TO EXISTING FENCE

LIMIT OF BITUMINOUS CONCRETE SIDEWALK; MATCH TO EXISTING

BITUMINOUS CONCRETE SIDEWALK

ACCESSIBLE CONCRETE RAMP W/ HANDRAILS

LIMIT OF CHAIN LINK FENCE; CONNECT TO EXISTING FENCE

LIMIT OF BITUMINOUS CONCRETE SIDEWALK / BRICK PAVERS

LIMIT OF CONCRETE CURB

LIMIT OF CONCRETE CURB

CONCRETE CURB

LIMIT OF CONCRETE CURB

"AMBULANCE PARKING ONLY" SIGN

POSTS W/ REMOVABLE CHAIN W/ REFLECTIVE SLEEVE FOR MAINTENANCE ACCESS

AMBULANCE PARKING AREA

TEMPORARY BITUMINOUS CONCRETE SIDEWALKS

LIMIT OF BITUMINOUS CONCRETE SIDEWALK; MATCH TO EXISTING

CURB-LESS EDGE OF BITUMINOUS CONCRETE PAVEMENT

TEMPORARY BITUMINOUS CONCRETE SIDEWALKS

LIMIT OF CONCRETE CURB

CONCRETE CURB

"AMBULANCE PARKING ONLY" SIGN

LIMIT OF CONCRETE CURB

LIMIT OF BITUMINOUS CONCRETE SIDEWALK/ CONCRETE SIDEWALK

MATCH LINE: REFER TO "EASTERN EXTENTS OF WORK ALONG EAST PUTNAM AVENUE" VIEWPORT

ZONE "AE" FLOODWAY

ZONE "AE"

BATTING CAGE

SURVEY MAP REFERENCE

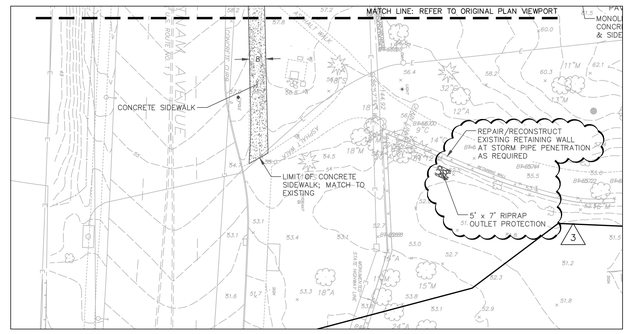
TOPOGRAPHIC SURVEY OF GREENWICH HIGH SCHOOL, 10 HILLSIDE ROAD, GREENWICH, CONNECTICUT, PREPARED FOR THE TOWN OF GREENWICH BOARD OF EDUCATION, PREPARED BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED 12/18/18, REVISED THROUGH 9/22/2020, SHEETS 1–10, SCALE: 1"=20'.

LEGEND

- 200 — PROPOSED CONTOURS
- + 201.0 — PROPOSED SPOT ELEVATION
- PROPOSED CLEARING LIMIT (APPROX.)
- PROPERTY LINE
- FM — PROPOSED FORCEMAIN
- R — PROPOSED ROOF DRAIN
- C — PROPOSED CABLE LINE
- S — PROPOSED SANITARY SEWER LINE
- PROPOSED STORM DRAINAGE LINE
- T — PROPOSED TELEPHONE LINE
- W — PROPOSED WATER MAIN
- G — PROPOSED GAS MAIN
- E — PROPOSED ELECTRICAL SERVICE
- PROPOSED GUIDE RAIL
- PROPOSED HYDRANT AND GATE VALVE
- PROPOSED REINFORCED CONCRETE CULVERT END
- PROPOSED YARD DRAIN
- PROPOSED TYPE "C–L" CATCH BASIN
- PROPOSED TYPE "C" CATCH BASIN
- PROPOSED STORM MANHOLE
- PROPOSED STORM DRAIN
- PROPOSED SANITARY MANHOLE
- PROPOSED SIGN
- PROPOSED LIGHT POLE
- PROPOSED RETAINING WALL
- TOWN WETLANDS LINE
- PROPOSED EROSION CONTROL MAT
- PROPOSED CONCRETE WALK
- PROPOSED CHAIN LINK FENCE
- PROPOSED GUARD RAIL
- PROPOSED SILT FENCE
- HB — PROPOSED HAY BALES
- PROPOSED HAYBALE CHECK DAM

SITE SURFACING LEGEND:

- PERMEABLE ASPHALT PAVEMENT
- BITUMINOUS CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- BRICK PAVERS
- PERMEABLE PAVERS
- CRUSHED STONE



EASTERN EXTENTS OF WORK ALONG EAST PUTNAM AVENUE

SCALE: 1"=30'

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
4	4/21/2021	RESPONSE TO TOWN COMMENTS		
3	2/10/2021	RESPONSE TO TOWN COMMENTS		
2	12/22/2020	RESPONSE TO TOWN COMMENTS		
1	12/7/2020	BID ADDENDUM #4		

SEAL

STATE OF CONNECTICUT — JEFFREY M. KNAPP — No. 24424 — LICENSED PROFESSIONAL ENGINEER

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
VERT.:
30 15 0 30
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS

SITE LAYOUT PLAN

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

CS-101

File Path: J:\DWG\P20110944S10\Civil\Plan\20110944S10_STP01.dwg Layout: CS-101 Plotted: Tue, April 20, 2021 - 3:41 PM User: tgriffing
Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 CTB File: FO.STB
MS VIEW: LAYER STATE:

EAST PUTNAM AVENUE

CARDINAL STADIUM

EXTEND SILT FENCE TO WEST & SOUTH AS REQUIRED PER FIELD CONDITIONS TO PROTECT AREAS ADJACENT TO NEW SHOT PUT AREA

TEMPORARY CONCRETE WASHOUT FACILITY

TEMPORARY SEDIMENT TRAP

DEWATERING PUMPING BASIN

STRAW WATTLE BARRIER (TYP)

LOW POINT HAY BALE BARRIER (TYP)

TEMPORARY SEDIMENT TRAP

EROSION CONTROL MATTING; TO BE PROVIDED ON ALL DISTURBED SLOPES 3H:1V OR STEEPER (TYP)

SILT FENCE BARRIER (TYP)

TEMPORARY CONCRETE WASHOUT FACILITY

CRUSHED STONE CONSTRUCTION ENTRANCE

SILT SACK INLET PROTECTION (TYP)

RIPRAP EROSION PROTECTION

STRAW BALE CHECK DAMS

TOPSOIL STOCKPILE AREA

STRAW BALE CHECK DAM

RIPRAP STILLING BASIN

MATCH LINE: REFER TO "EASTERN EXTENSION OF SIDEWALK & DRAINAGE WORK" VIEWPORT

ZONE "AE" FLOODWAY

ZONE "X" AE

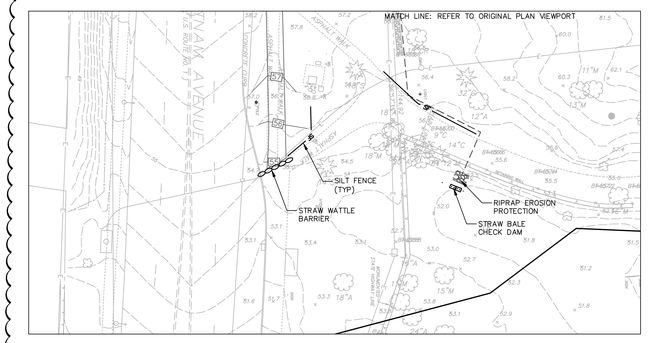
BATTING CAGE

SURVEY MAP REFERENCE

TOPOGRAPHIC SURVEY OF GREENWICH HIGH SCHOOL, 10 HILLSIDE ROAD, GREENWICH, CONNECTICUT, PREPARED FOR THE TOWN OF GREENWICH BOARD OF EDUCATION, PREPARED BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED 12/18/18, REVISED THROUGH 9/22/2020, SHEETS 1–10, SCALE: 1"=20'.

E&S CONTROLS NOTE

REFER TO SHEETS CI–001, CE–501, AND CE–502 FOR EROSION & SEDIMENT CONTROL NOTES AND DETAILS.



EASTERN EXTENSION OF SIDEWALK & DRAINAGE WORK

SCALE: 1"=30'

2

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
3	4/21/2021	RESPONSE TO TOWN COMMENTS		
2	2/10/2021	RESPONSE TO TOWN COMMENTS		
1	12/7/2020	BID ADDENDUM #4		

SEAL

STATE OF CONNECTICUT — JOSEPH M. D'ANDREA — No. 24624 — LICENSED PROFESSIONAL ENGINEER

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
VERT.:
30 15 0 30
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS

EROSION & SEDIMENTATION CONTROL PLAN

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

CE-101

File Path: J:\DWG\P2011\10944\S10\Civil\Plan\20110944S10_STP01.dwg Layout: CE-101 Plotted: Tue, April 20, 2021 - 3:41 PM User: tgriffing
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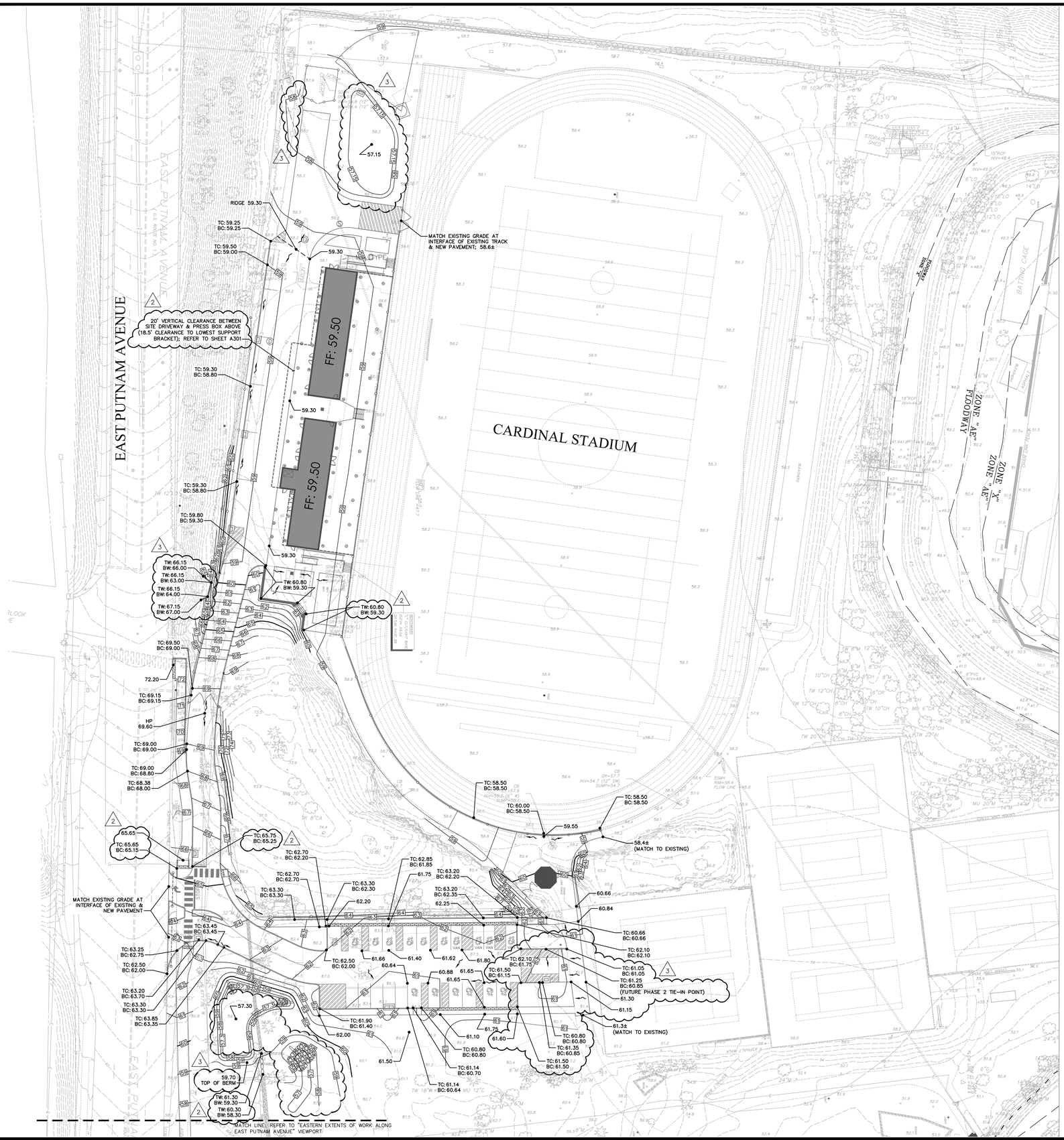

SURVEY MAP REFERENCE

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GRADING NOTES

1. SITE SHALL BE GRADED SMOOTHLY AND EVENLY IN ACCORDANCE WITH THE PROPOSED TOP OF FRAMES AND SPOT GRADE ELEVATIONS DEPICTED HEREON. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE FLOW TO ALL CATCH BASINS WITHOUT CREATING ANY FLAT SPOTS THAT WILL RESULT IN STANDING WATER.
2. ALL RESERVED PARKING STALLS SHALL BE GRADED WITH A MAXIMUM PITCH OF 2% IN ANY DIRECTION.
3. ALL SIDEWALKS SHALL BE GRADED WITH A MAXIMUM CROSS-PITCH OF 2% AND A MAXIMUM SLOPE OF 5%.
4. ALL ACCESSIBLE RAMPS SHALL BE GRADED WITH A MAXIMUM SLOPE OF 8.3%.
5. ALL EARTHEN SLOPES TO BE STABILIZED WITH LAWN SHALL BE GRADED WITH A MAXIMUM SLOPE OF 2H:1V.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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SEAL

STATE OF CONNECTICUT — JEFFREY T. GRIFFING — No. 24054 — LICENSED PROFESSIONAL ENGINEER

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
VERT.:
30 15 0 30
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS

SITE GRADING PLAN

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

CG-101

File Path: J:\DWG\P20\11\20110944S10\Civil\Plan\20110944S10_STP01.dwg Layout: CG-101 Plotted: Tue, April 20, 2021 - 3:41 PM User: tgriffing
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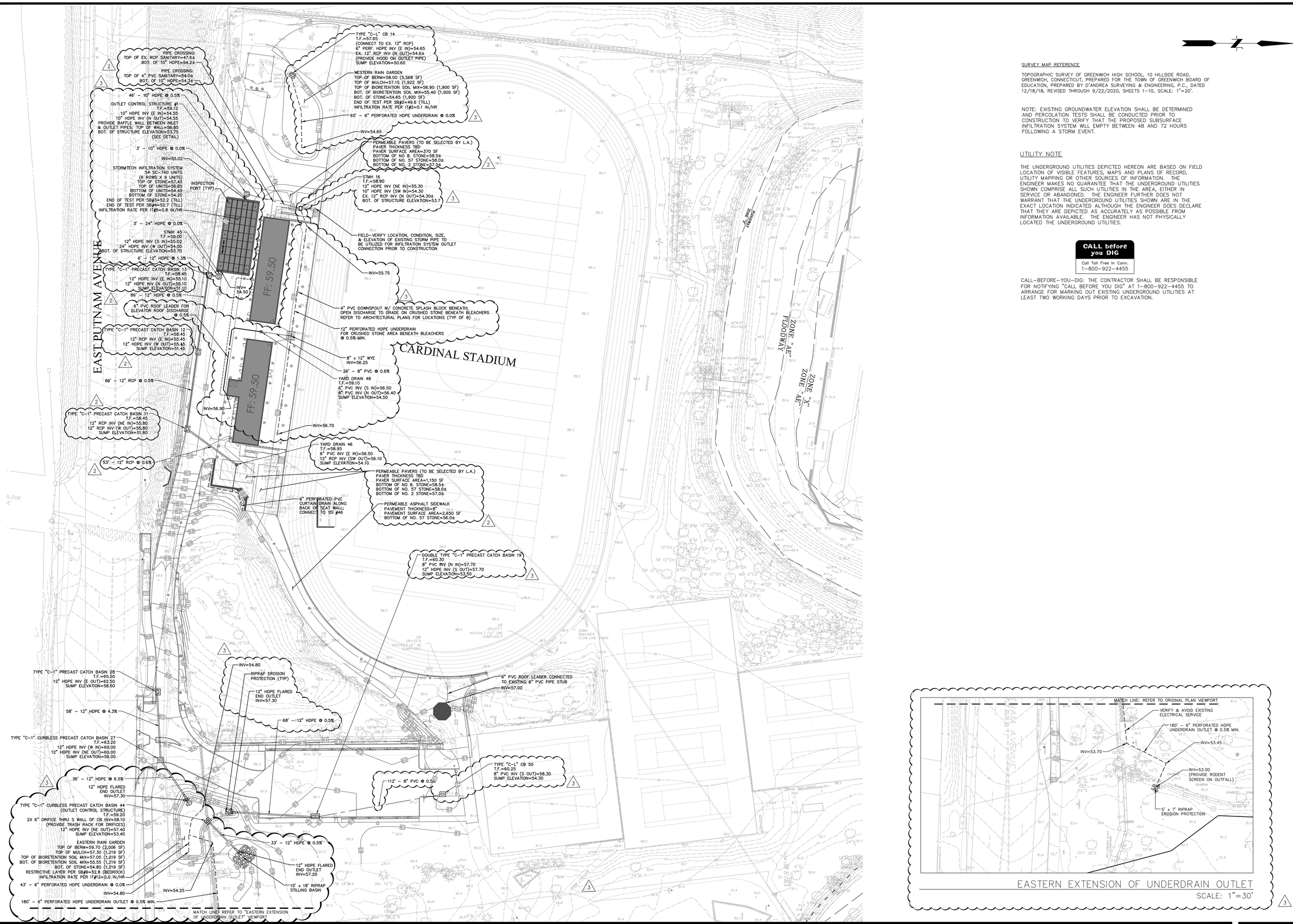

SURVEY MAP REFERENCE

TOPOGRAPHIC SURVEY OF GREENWICH HIGH SCHOOL, 10 HILLSIDE ROAD, GREENWICH, CONNECTICUT, PREPARED FOR THE TOWN OF GREENWICH BOARD OF EDUCATION, PREPARED BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED 12/18/18, REVISED THROUGH 9/22/2020, SHEETS 1–10, SCALE: 1"=20'.

NOTE: EXISTING GROUNDWATER ELEVATION SHALL BE DETERMINED AND PERCOLATION TESTS SHALL BE CONDUCTED PRIOR TO CONSTRUCTION TO VERIFY THAT THE PROPOSED SUBSURFACE INFILTRATION SYSTEM WILL EMPTY BETWEEN 48 AND 72 HOURS FOLLOWING A STORM EVENT.

UTILITY NOTE

THE UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATION OF VISIBLE FEATURES, MAPS AND PLANS OF RECORD, UTILITY MAPPING OR OTHER SOURCES OF INFORMATION. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE ENGINEER DOES DECLARE THAT THEY ARE DEPICTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

CALL before you DIG
Call Toll Free in Conn.
1–800–922–4455

CALL–BEFORE–YOU–DIG: THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "CALL BEFORE YOU DIG" AT 1–800–922–4455 TO ARRANGE FOR MARKING OUT EXISTING UNDERGROUND UTILITIES AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
3	4/21/2021	RESPONSE TO TOWN COMMENTS		
2	12/22/2020	RESPONSE TO TOWN COMMENTS		
1	12/7/2020	BID ADDENDUM #4		

SEAL

STATE OF CONNECTICUT · CERTIFIED · No. 24424 · LICENSED PROFESSIONAL ENGINEER

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
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30 15 0 30
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS

SITE DRAINAGE PLAN

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

CG-102

File Path: J:\DWG\P20\11094\S10\Civil\Plan\20111094S10_STP01.dwg Layout: CG-102 Plotted: Fri, April 23, 2021 - 9:04 AM User: tgriffing
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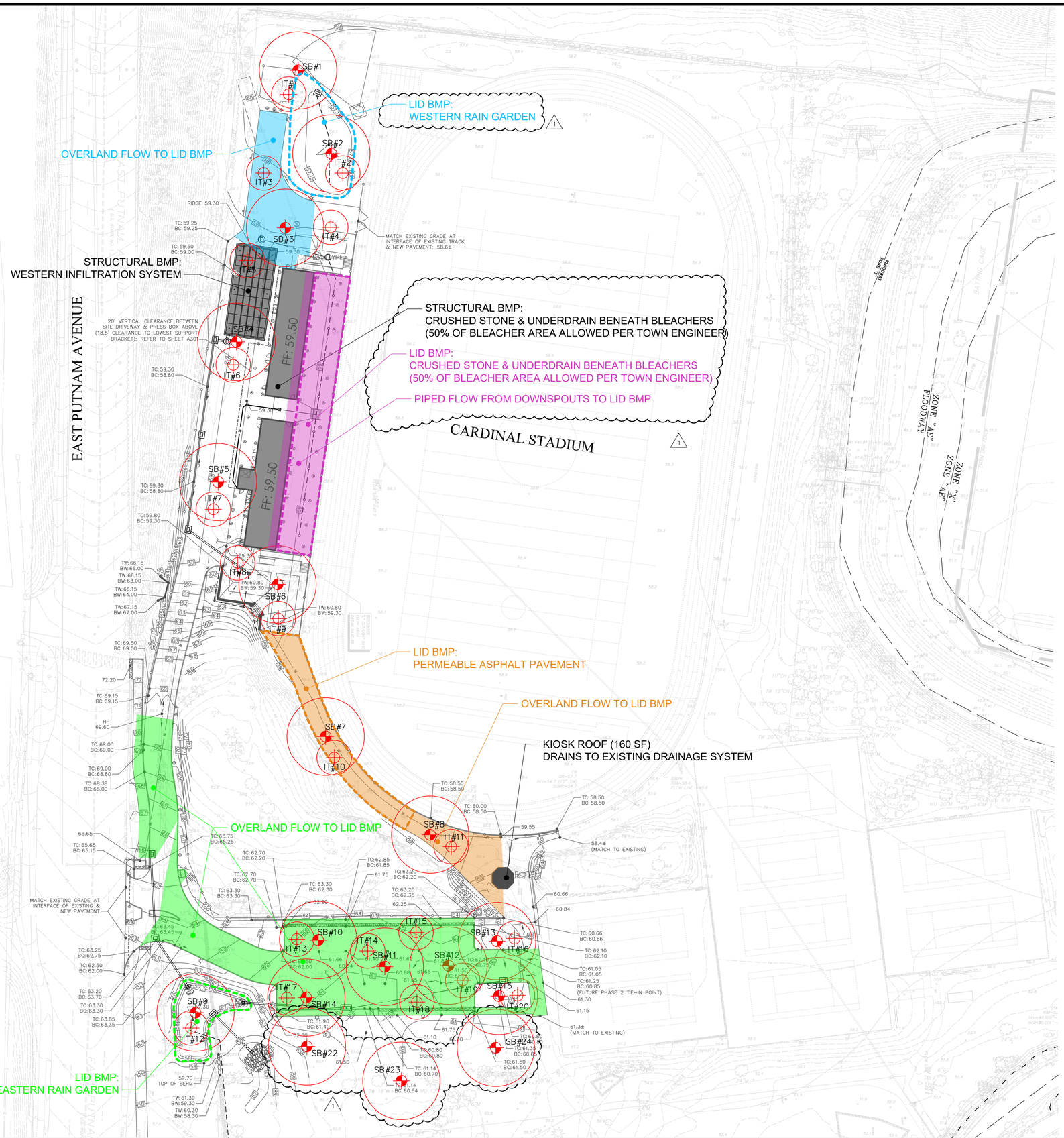
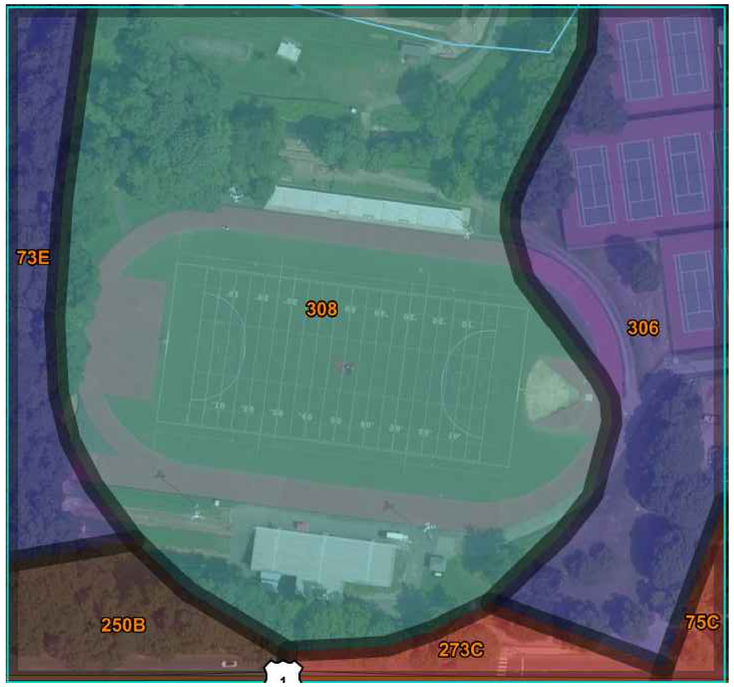


SURVEY MAP REFERENCE

TOPOGRAPHIC SURVEY OF GREENWICH HIGH SCHOOL, 10 HILLSIDE ROAD, GREENWICH, CONNECTICUT, PREPARED FOR THE TOWN OF GREENWICH BOARD OF EDUCATION, PREPARED BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED 12/18/18, REVISED THROUGH 9/22/2020, SHEETS 1–10, SCALE: 1"=20'.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
73E	Charlton-Chatfield complex, 15 to 45 percent slopes, very rocky	B	0.9	7.5%
75C	Hollis-Chatfield-Rock outcrop complex, 3 to 15 percent slopes	D	0.1	1.2%
250B	Sutton-Urban land complex, 0 to 8 percent slopes	B/D	0.7	5.9%
273C	Urban land-Charlton-Chatfield complex, rocky, 3 to 15 percent slopes	D	0.4	3.5%
306	Udorthents-Urban land complex	B	2.4	21.3%
308	Udorthents, smoothed	C	6.9	60.6%
Totals for Area of Interest			**11.5**	**100.0%**



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	4/21/2021	RESPONSE TO TOWN COMMENTS		

SEAL

SCALE: HORZ.: 1" = 30' VERT.:
DATUM: HORZ.: VERT.:
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS

LOW IMPACT DEVELOPMENT PLAN

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 12/22/2020

CG-103

File Path: J:\DWG\P2011\0944\S10\Civil\Plan\20110944S10_STP01.dwg Layout: CG-103 Plotted: Tue, April 20, 2021 - 4:32 PM User: tgriffing
Plotter: DWG TO PDF.PC3 CTB File: FO.STB
MS VIEW:
LAYER STATE:

REFER TO ELECTRICAL PLANS FOR GENERATOR, TRANSFORMER, & OTHER ELECTRICAL EQUIPMENT TO BE PROVIDED WITHIN CHAIN LINK ENCLOSURE

3 ACCESS TO EXISTING SANITARY SEWER INFRASTRUCTURE AS REQUESTED BY TOWN WPCA

SECONDARY UNDERGROUND ELECTRICAL SERVICE FROM TRANSFORMER TO EASTERN BUILDING

30' – 4" PVC SDR-35 @ 3.0%

DOGHOUSE SMH 1 (CONNECT TO EXISTING SANITARY SEWER MAIN & PROVIDE NEW 4" OUTSIDE DROP INLET CONNECTION; SEE DETAILS) T.F.=58.85 4" PVC HIGH INV (E IN)=53.15 4" PVC DROP INV (E IN)=46.65 EX. FLOW LINE INV=46.2± BOT. OF STRUCTURE ELEVATION=45.4± 2

PROTECT EXISTING CONDUITS CONNECTED TO FIELD LIGHT

SANITARY SEWER SERVICE CONNECTION TO BUILDING; INV= 54.15

PROTECT EXISTING SANITARY SEWER SERVICE; COORDINATE W/ PROPOSED BLEACHER FOOTING LOCATIONS

SECONDARY UNDERGROUND ELECTRICAL SERVICE FROM TRANSFORMER TO EASTERN BUILDING; REFER TO ELECTRICAL PLANS

SECONDARY UNDERGROUND ELECTRICAL SERVICE FROM EASTERN BUILDING TO WESTERN BUILDING; REFER TO ELECTRICAL PLANS

PRIMARY UNDERGROUND ELECTRICAL SERVICE FROM NEW POLE TO TRANSFORMER; REFER TO ELECTRICAL PLANS

UNDERGROUND COMMUNICATIONS SERVICES TO BUILDING FROM NEW UTILITY POLE; REFER TO ELECTRICAL PLANS

UNDERGROUND DATA SERVICE TO BUILDING FROM NEW UTILITY POLE; COORDINATE W/ CROWNCASTLE FOR CONNECTION TO EXISTING DATA NETWORK

BOLLARD LIGHT; REFER TO LIGHTING PLAN (TYP OF 6)

WATER SERVICE CONNECTION TO BUILDING

1-1/4" WATER SERVICE CONNECTION FROM BUILDING TO FOOD TRUCK HOSE CONNECTIONS

PRIMARY ELECTRICAL OVERHEAD SERVICE FROM EXISTING POLE TO NEW POLE; COORDINATE W/ EVERSOURCE

PRIMARY ELECTRICAL OVERHEAD SERVICE FROM EXISTING POLE TO NEW POLE; COORDINATE W/ EVERSOURCE

UTILITY POLE W/ RISER; COORDINATE W/ EVERSOURCE

3 EXISTING UNDERGROUND ELECTRICAL SERVICE TO BE REPLACED/RELOCATED

18" – 4" PVC SDR-35 SANITARY SEWER SERVICE BETWEEN BUILDINGS; REFER TO MEP PLANS 2

REFER TO ELECTRICAL PLANS FOR SECONDARY ELECTRIC CONDUIT FROM GENERATOR TO EASTERN BUILDING

REFER TO ELECTRICAL PLANS FOR SECONDARY ELECTRIC CONDUITS FROM EASTERN BUILDING TO SCOREBOARD

PROTECT EXISTING CONDUITS CONNECTED TO FIELD LIGHT

RESET EXISTING UTILITY VAULT; COORDINATE W/ AQUARION

WATER SERVICE CONNECTION FROM EASTERN BUILDING TO FUTURE PHASE 2 VISITOR BUILDING; SERVICE SIZE TBD

SECONDARY UNDERGROUND ELECTRICAL SERVICE FROM EASTERN BUILDING TO ENTRY KIOSK & FUTURE PHASE 2 VISITOR BUILDING

COMMUNICATIONS/DATA SERVICES FROM EASTERN BUILDING TO ENTRY KIOSK & FUTURE PHASE 2 VISITOR BUILDING

COORDINATE ANY REQUIRED REPLACEMENT OF EXISTING UTILITIES WITHIN EXISTING DRIVEWAY WITH RESPECTIVE UTILITY COMPANIES

PROTECT EXISTING TRAFFIC CONTROL BOX

FIELD-VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION; PROTECT EXISTING UTILITIES TO THE FULLEST EXTENT PRACTICABLE UNLESS OTHERWISE INDICATED

LIGHT POLE; REFER TO LIGHTING PLAN (TYP)

3" WATER SERVICE CONNECTION FROM EXISTING WATER MAIN IN EAST PUTNAM AVENUE; COORDINATE W/ AQUARION

STUB & CAP UTILITIES FOR FUTURE PHASE 2 VISITOR BUILDING AT WORK LIMITS

EAST PUTNAM AVENUE

CARDINAL STADIUM

FF: 59.50

FF: 59.50

LIMIT OF WORK AREA

FLOODWAY ZONE "X"

ZONE "AE"

FLOODWAY ZONE "AE"

ZONE "X"

SURVEY MAP REFERENCE

TOPOGRAPHIC SURVEY OF GREENWICH HIGH SCHOOL, 10 HILLSIDE ROAD, GREENWICH, CONNECTICUT, PREPARED FOR THE TOWN OF GREENWICH BOARD OF EDUCATION, PREPARED BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED 12/18/18, REVISED THROUGH 9/22/2020, SHEETS 1–10, SCALE: 1"=20'.

UTILITY NOTE

THE UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATION OF VISIBLE FEATURES, MAPS AND PLANS OF RECORD, UTILITY MAPPING OR OTHER SOURCES OF INFORMATION. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE ENGINEER DOES DECLARE THAT THEY ARE DEPICTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

CALL before you DIG
Call Toll Free In Conn.
1–800–922–4455

CALL–BEFORE–YOU–DIG: THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "CALL BEFORE YOU DIG" AT 1–800–922–4455 TO ARRANGE FOR MARKING OUT EXISTING UNDERGROUND UTILITIES AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION.

GENERAL NOTES

1. THE SITE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UTILITIES TO END 5' OUTSIDE THE FOUNDATION WALL WITH BUILDING CONTRACTOR. VERIFY ALL LOCATIONS TO AVOID CONFLICTS WITH OTHER UTILITIES.

2. PROPOSED ELECTRICAL AND COMMUNICATIONS UTILITIES TO BE PARTIALLY UNDERGROUND AND COORDINATED WITH RESPECTIVE UTILITY COMPANIES.

3. COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.

4. INSTALL PROPOSED UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.

5. ALL UTILITY CONNECTIONS TO BE CONFIRMED WITH MEP CONSULTANT AND UTILITY CO.'S..

6. UNLESS OTHERWISE INDICATED ON THESE PLANS, ALL PROPOSED UNDERGROUND UTILITIES ARE TO BE CONSTRUCTED TO LINE AND GRADE AS DIRECTED BY THE GOVERNING UTILITY.

7. FULL CONDUIT NUMBERS AND SIZES NOT SHOWN, COORDINATE CONNECTIONS WITH MEP AND UTILITY COMPANIES PRIOR TO CONSTRUCTION.

8. REFER TO MEP PLANS FOR UNDERGROUND ELECTRICAL AND COMMUNICATIONS CONDUITS FOR SITE LIGHTING, SCORE BOARDS, PRESS BOX, AND ENTRY KIOSK.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
3	4/21/2021	RESPONSE TO TOWN COMMENTS		
2	1/28/2021	RESPONSE TO TOWN COMMENTS		
1	12/22/2020	RESPONSE TO TOWN COMMENTS		

SEAL

STATE OF CONNECTICUT · JEFFREY S. THOMAS · LICENSED PROFESSIONAL ENGINEER · NO. 24024

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
VERT.:
30 15 0 30
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS

SITE UTILITY PLAN

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

CU-101

File Path: J:\DWG\P2011\10944\S10\Civil\Plan\20110944S10_STP01.dwg Layout: CU-101 Plotted: Tue, April 20, 2021 - 3:42 PM User: tgriffing
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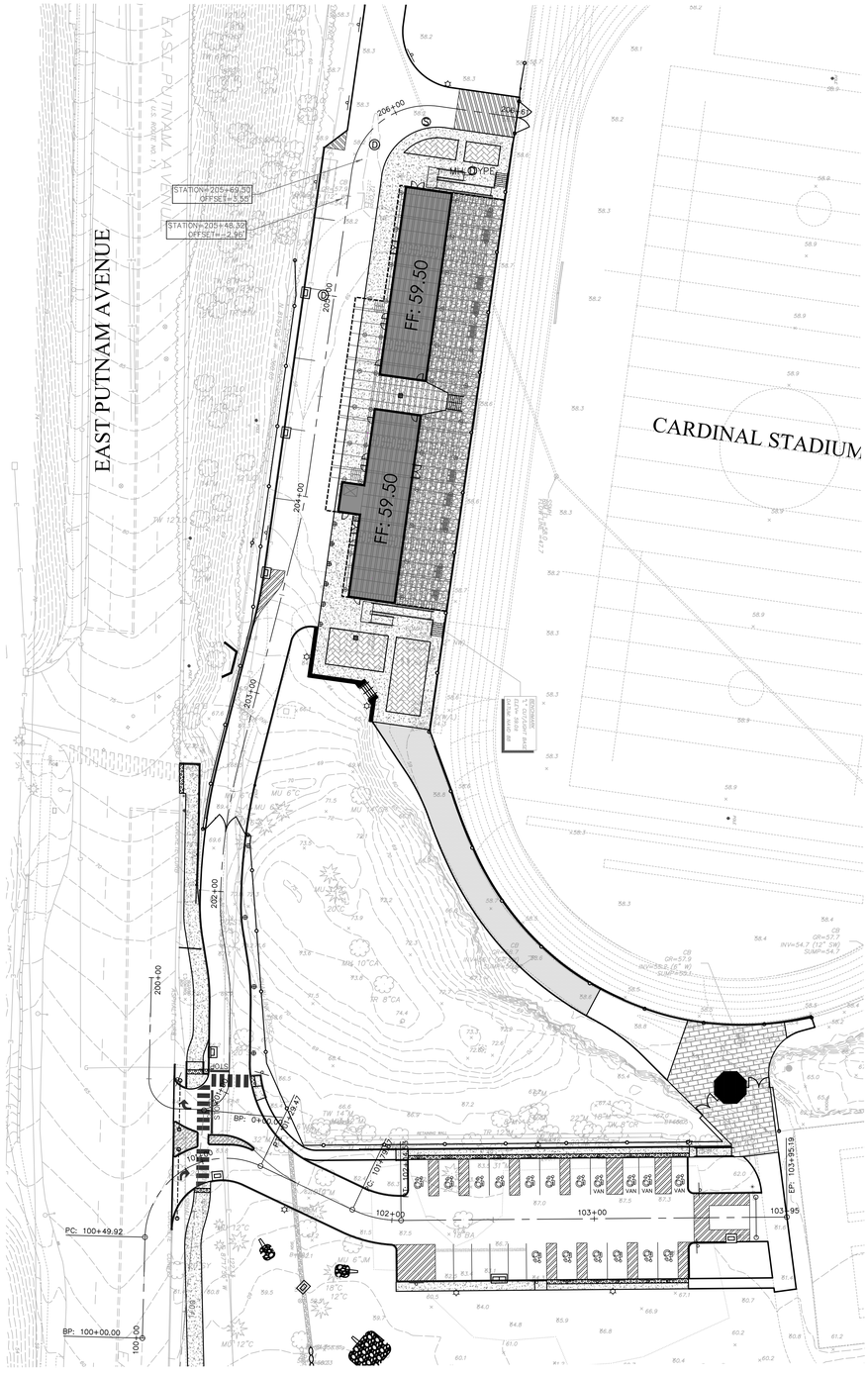

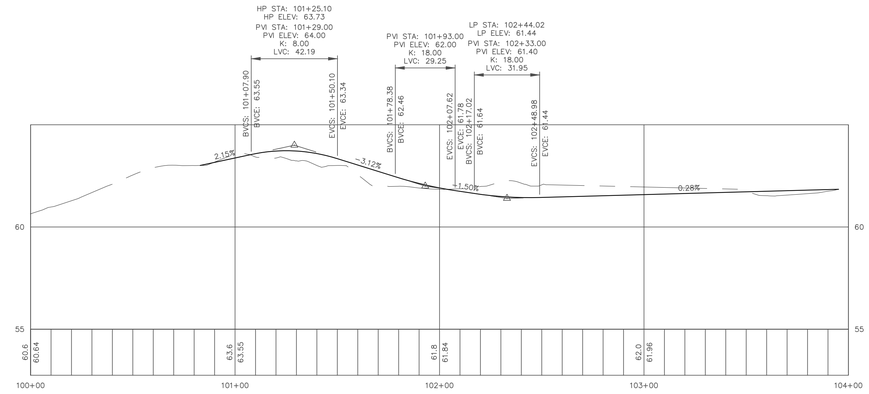

PROFILE STA 100+00 – 104+00
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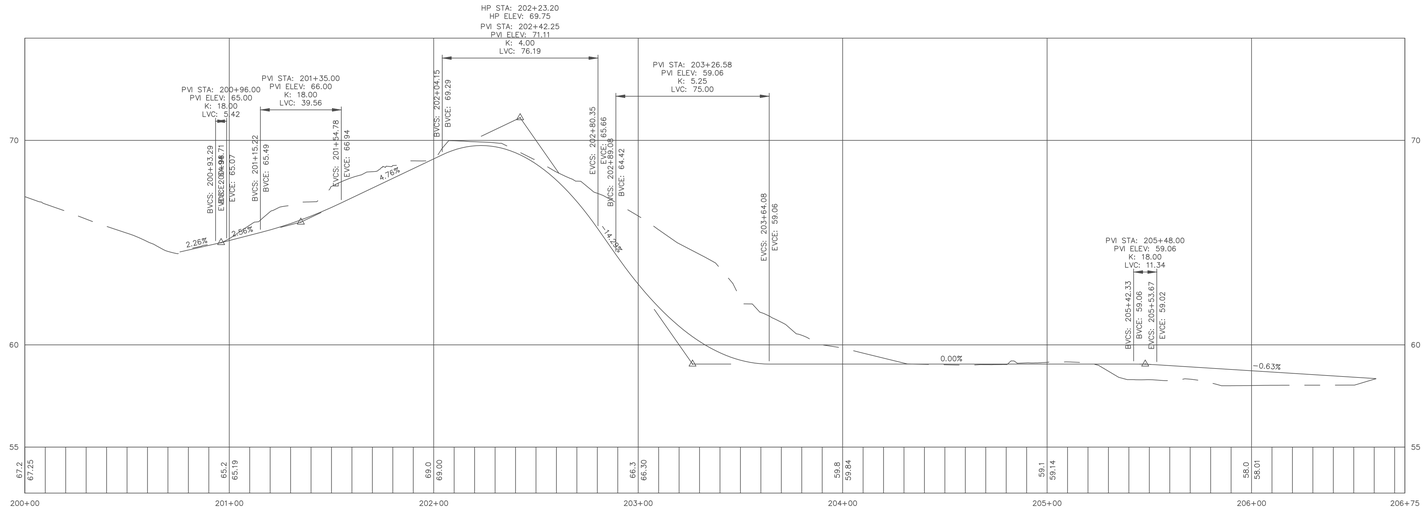
V: 1"=3'



PROFILE STA 200+00 – 206+75
SCALE: H: 1"=30'
V: 1"=3'

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SCALE:
HORZ.: 1" = 30'
VERT.: 1"=3'
DATUM:
HORZ.:
VERT.:
30 15 0 30
GRAPHIC SCALE

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TRUMBULL, CONNECTICUT 06611
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GREENWICH PUBLIC SCHOOLS

DRIVEWAY PLAN & PROFILES

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 12/22/2020

CR-101

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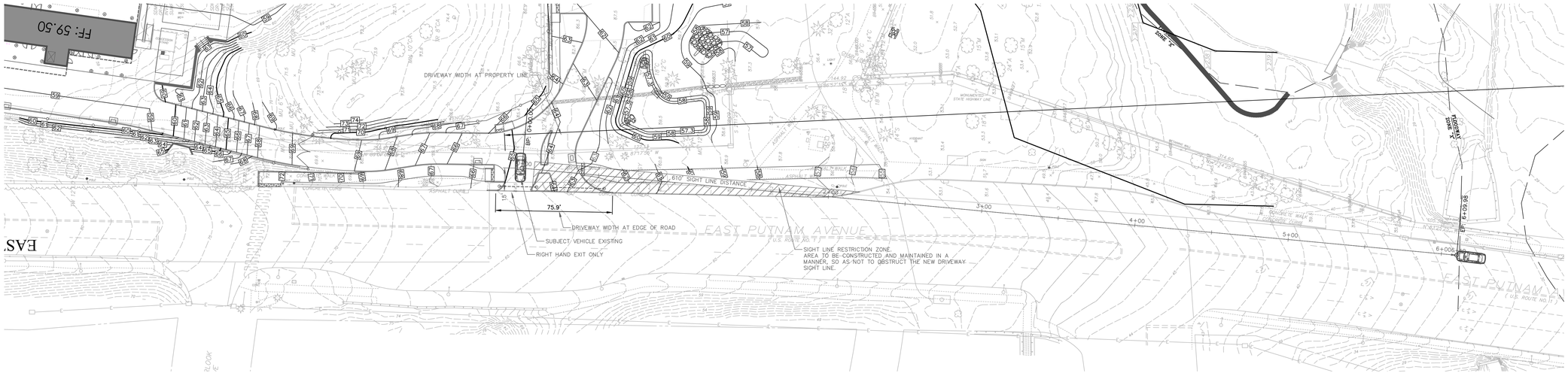
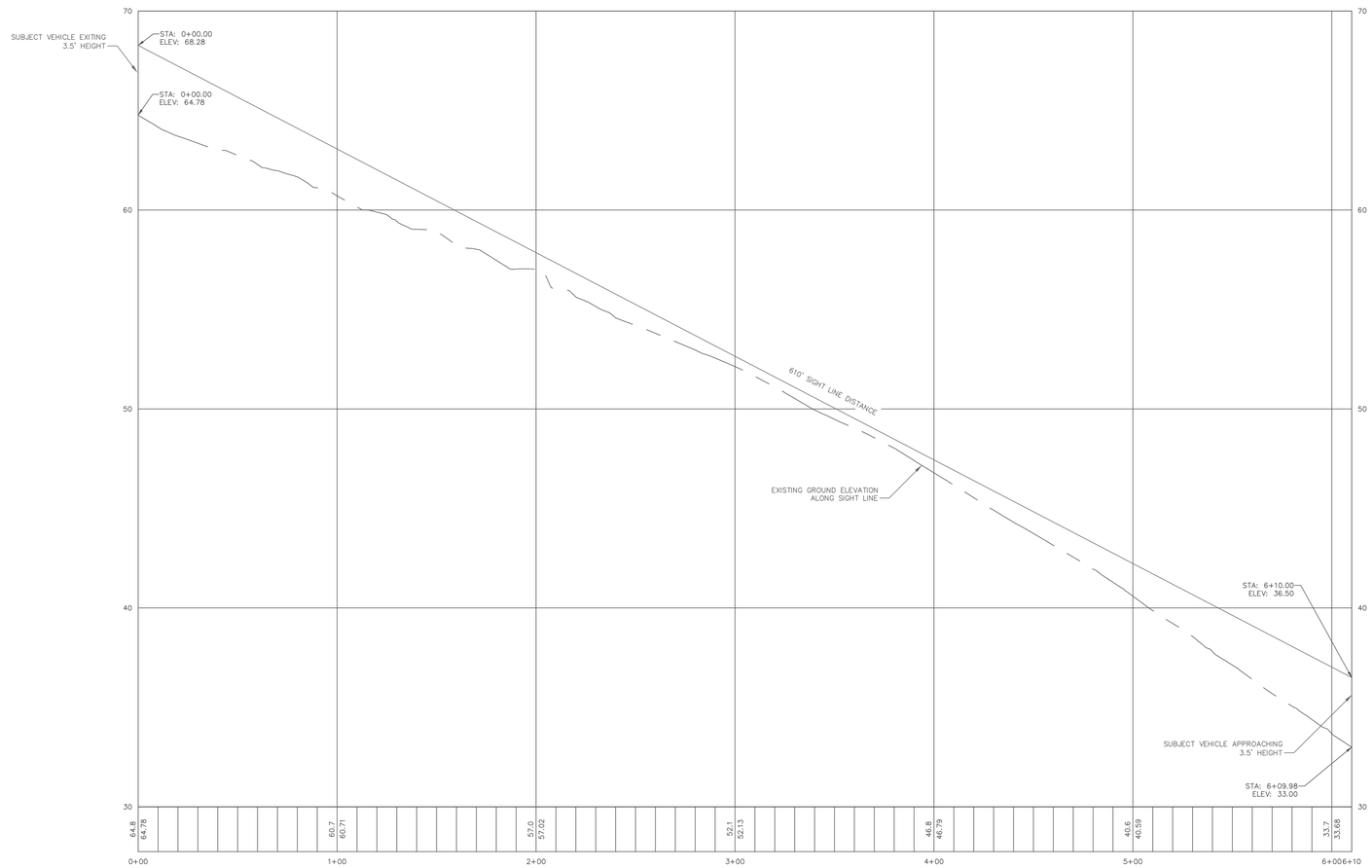


SIGHT DISTANCE PLAN
SCALE: H:1"=30'



SIGHT DISTANCE PROFILE
SCALE: H:1"=30'
V:1"=3'

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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SCALE:
HORZ.: 1" = 30'
VERT.: 1"=3'
DATUM:
HORZ.:
VERT.:
30 15 0 30
GRAPHIC SCALE

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56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
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GREENWICH PUBLIC SCHOOLS

SIGHT DISTANCE PLAN & PROFILE

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

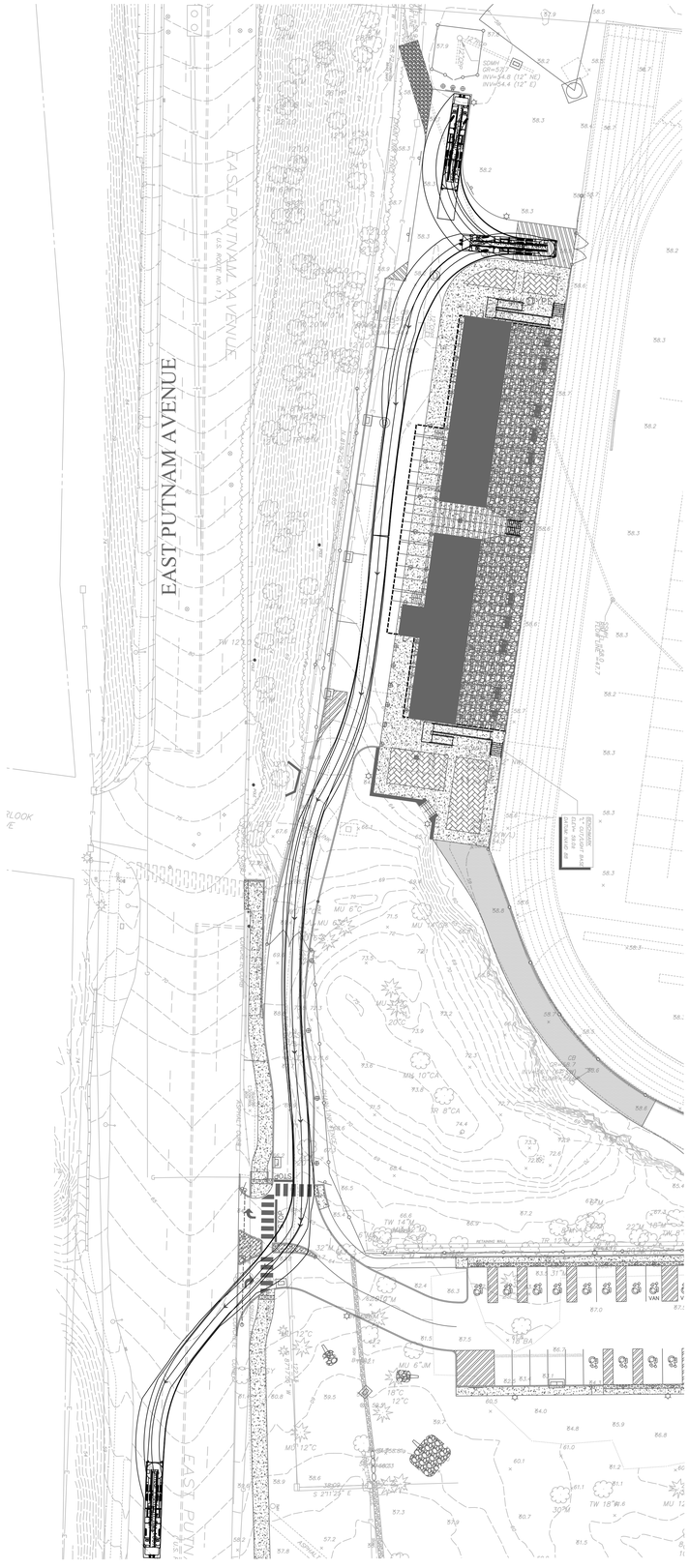
GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 12/22/2020

CR-102



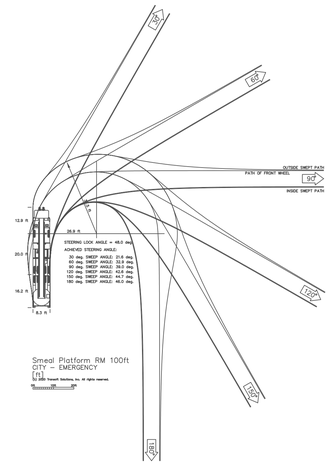
FIRE TRUCK ENTRY MOTION



FIRE TRUCK EXIT MOTION

SURVEY MAP REFERENCE

TOPOGRAPHIC SURVEY OF GREENWICH HIGH SCHOOL, 10 HILLSIDE ROAD, GREENWICH, CONNECTICUT, PREPARED FOR THE TOWN OF GREENWICH BOARD OF EDUCATION, PREPARED BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED 12/18/18, REVISED THROUGH 9/22/2020, SHEETS 1-10, SCALE: 1"=20'.



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

SCALE:
HORZ.: 1" = 30'
VERT.:
DATUM:
HORZ.:
VERT.:
30 15 0 30
GRAPHIC SCALE

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GREENWICH PUBLIC SCHOOLS

FIRE TRUCK TURNING PLAN

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 12/22/2020

CT-101

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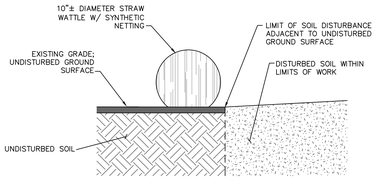
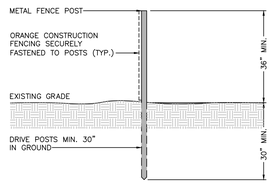
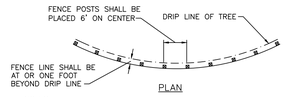


NOTE: WATTLES TO BE WEIGHED DOWN WITH SANDBAGS (WITHIN PAVED SURFACES) OR STAKED (WITHIN NON-PAVED SURFACES) AS NECESSARY AT AREAS WITH STEEP SLOPES AND/OR SIGNIFICANT SEDIMENT TRANSPORT POTENTIAL.

STRAW WATTLE BARRIER
NOT TO SCALE



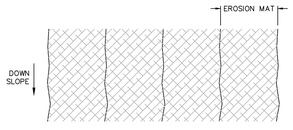
SECTIONAL ELEVATION



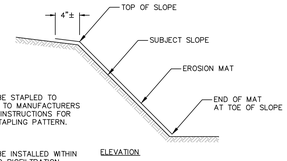
PLAN

NOTES:
SEE LANDSCAPING PLAN FOR ADDITIONAL TREE PROTECTION NOTES.

TREE PROTECTION FENCING
NOT TO SCALE



PLAN

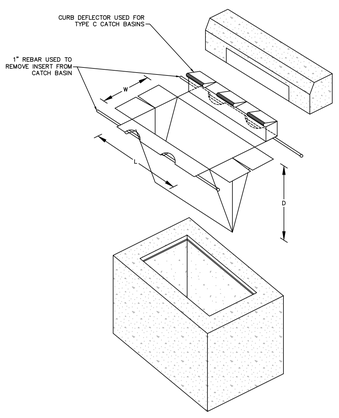


NOTE:
MATS SHALL BE STAPLED TO SLOPE. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR DETAILS OF STAPLING PATTERN.

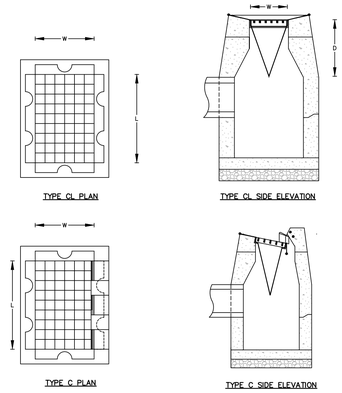
NOTE:
MATS SHALL BE INSTALLED WITHIN THE PROPOSED BIOFILTRATION BASINS UPON THE COMPLETION OF CONSTRUCTION/RESTORATION ACTIVITIES AS INDICATED IN THE PLANS.

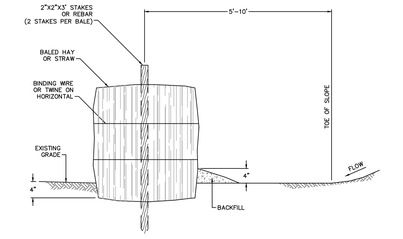
ELEVATION

EROSION CONTROL MATTING
NOT TO SCALE

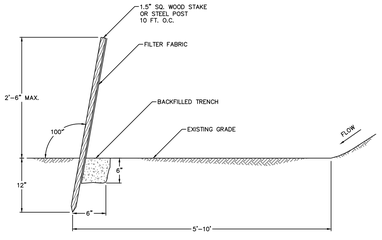


SILT SACK CATCH BASIN INSERT
NOT TO SCALE

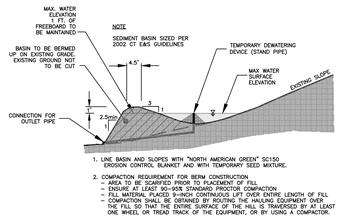




TOE OF SLOPE HAY BALE BARRIER
NOT TO SCALE

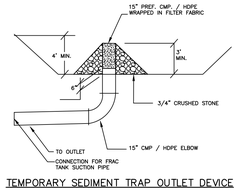


SILT FENCE
NOT TO SCALE

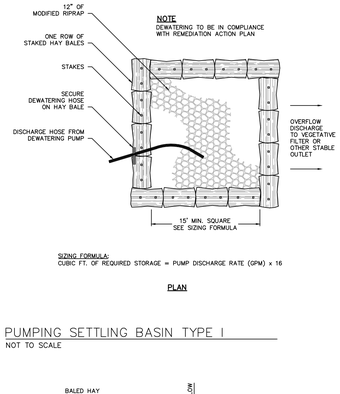


1. LINE BASIN AND SLOPES WITH "NORTH AMERICAN GREEN" SC150 EROSION CONTROL BLANKET AND WITH TEMPORARY SEED MIXTURE.
2. COMPACTION REQUIREMENT FOR BERM CONSTRUCTION
   - AREA TO BE SCARIFIED PRIOR TO PLACEMENT OF FILL
   - ENSURE AT LEAST 90-95% STANDARD PROCTOR COMPACTION
   - FILL MATERIAL PLACED 9-INCH CONTINUOUS LIFT OVER ENTIRE LENGTH OF FILL
   - COMPACTION SHALL BE OBTAINED BY ROUTING THE HAULING EQUIPMENT OVER THE FILL SO THAT THE ENTIRE SURFACE OF THE HILL IS TRAVERSED BY AT LEAST ONE WHEEL OR TREAD TRACK OF THE EQUIPMENT, OR BY USING A COMPACTOR.

TEMPORARY SEDIMENT TRAP TYPICAL CROSS SECTION
NOT TO SCALE



TEMPORARY SEDIMENT TRAP OUTLET DEVICE

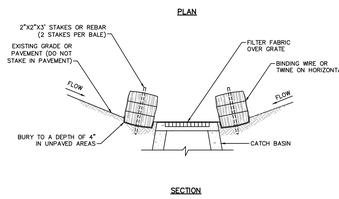


NOTE
DEWATERING TO BE IN COMPLIANCE WITH REMEDIATION ACTION PLAN

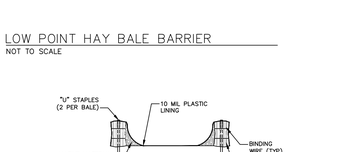
SIZING FORMULA:
CUBIC FT. OF REQUIRED STORAGE = PUMP DISCHARGE RATE (GPM) x 16

PLAN

PUMPING SETTLING BASIN TYPE I
NOT TO SCALE



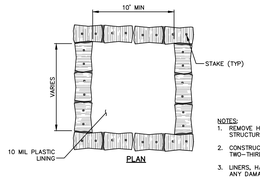
PLAN



SECTION

LOW POINT HAY BALE BARRIER
NOT TO SCALE

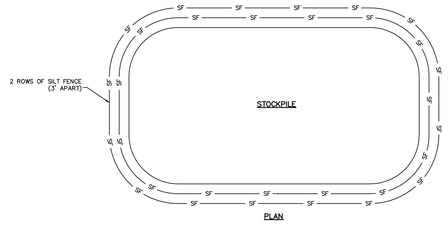
SECTION



PLAN

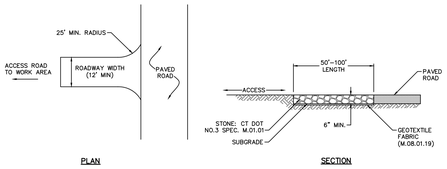
NOTES:
1. REMOVE HARDEN CONCRETE WHEN WITHIN 4" FROM TOP OF STRUCTURE.
2. CONSTRUCT NEW FACILITIES ONCE CURRENT FACILITIES ARE TWO-THIRDS FULL.
3. LINERS, HAYBALES, ETC. SHALL BE INSPECTED FOR DAMAGE ANY DAMAGE SHALL BE REPAIR PROMPTLY.

ABOVE GROUND TEMPORARY CONCRETE WASHOUT FACILITY
NOT TO SCALE



PLAN

STOCKPILE CONTAINMENT
NOT TO SCALE



PLAN SECTION

CONSTRUCTION ENTRANCE
NOT TO SCALE

EROSION & SEDIMENT CONTROL NOTES

1. CONSTRUCTION STANDARDS – CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MOST RECENT EDITION OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (CT DEP BULLETIN 34). ALL MEASURES SHALL BE MAINTAINED AND UPGRADED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.

2. PLAN IMPLEMENTATION – IMPLEMENT THIS EROSION AND SEDIMENT CONTROL PLAN. THIS IMPLEMENTATION INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES UNTIL PERMANENT STABILIZATION IS ACHIEVED, INFORMING ALL SUBCONTRACTORS OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER MUNICIPAL AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN TO THE NEW OWNER IF THE TITLE OF THE LAND IS TRANSFERRED PRIOR TO ACHIEVING PERMANENT STABILIZATION.

3. INSTALLATION SCHEDULE – INSTALL THE CONSTRUCTION ENTRANCE BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF THE PROJECT AREA BEGINS. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO STUMP REMOVAL AND CONSTRUCTION. INSTALL ADDITIONAL CONTROL MEASURES DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER, HIS AGENTS OR AGENTS OF THE MUNICIPALITY.

4. FUGITIVE DUST – CONTROL FUGITIVE DUST USING WATER SPRAYS OR CALCIUM CHLORIDE ON SOIL SURFACES, SWEEPING PAVED AREAS, TEMPORARY WINDBREAKS OR NON-ASPHALTIC SOIL TACKIFIERS.

5. HAY BALE LIFE SPAN – INSTALL HAY BALES WHERE PROTECTION AND EFFECTIVENESS IS REQUIRED FOR LESS THAN 90 DAYS. OTHERWISE, INSTALL SILT FENCE.

6. CATCH BASINS – PROTECT CATCH BASINS WITH PROPER CONTROLS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

7. STOCKPILES – ENCIRCLE STOCKPILES OF ERODIBLE SOIL WITH A HAY BALE OR SILT FENCE BARRIER. THE SIDE SLOPES OF ERODIBLE STOCKPILED MATERIAL SHALL BE NO STEEPER THAN 2:1. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER THEY ARE FORMED.

8. TOE OF SLOPE – ESTABLISH AN EROSION CONTROL BARRIER (SILT FENCE OR HAY BALE BARRIER) APPROXIMATELY 5 TO 10 FEET FROM THE PROPOSED TOE OF THE CUT OR FILL AREA PRIOR TO BEGINNING EARTHWORK.

9. SEDIMENT REMOVAL – SEDIMENT REACHING ½ THE HEIGHT OF THE EROSION CONTROL BARRIER SHALL BE REMOVED. REMOVE AND DISPOSE OF SEDIMENT IN A MANNER CONSISTENT WITH THE INTENT OF THE PLAN.

10. SOIL STABILIZATION SCHEDULE – APPLY PERMANENT SOIL STABILIZATION MEASURES TO ALL GRADED AREAS WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE. APPLY TEMPORARY SOIL STABILIZATION MEASURES IF FINAL GRADING IS TO BE DELAYED MORE THAN 30 DAYS.

11. TEMPORARY SEEDING – TEMPORARILY SEED ERODIBLE SOILS THAT WILL BE EXPOSED GREATER THAN 1 BUT LESS THAN 12 MONTHS WITHIN THE FIRST 7 DAYS OF SUSPENDING GRADING OPERATIONS. APPLY LIME AT A RATE OF 90 LBS/1000 SQ. FT. APPLY 10-10-10 FERTILIZER AT A RATE OF 7 ½ LBS/1000 SQ. FT. APPLY PERENNIAL RYE GRASS AT A RATE OF 2 LBS/1000 SQ. FT. TO A DEPTH OF ½ INCH. OPTIMUM SEEDING DATES ARE MARCH 15 TO JULY 1 AND AUGUST 1 TO OCTOBER 15. MULCH FOR SEED APPLIED WITHIN THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 80%-95% SOIL COVERAGE. MULCH FOR SEED APPLIED OUTSIDE OF THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 95%-100% COVERAGE.

12. PERMANENT SEEDING – SEED PERMANENT LAWN AREAS IN ACCORDANCE WITH THE SPECIFICATIONS.

13. INSPECTION – THE OWNER SHALL SECURE THE SERVICES OF A SOIL SCIENTIST OR PROFESSIONAL ENGINEER TO VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED AND MAINTAINED. THESE INSPECTIONS SHALL BE NOT LESS FREQUENTLY THAN WEEKLY AND WITHIN 24 HOURS OF THE END OF A STORM HAVING A RAINFALL AMOUNT OF 0.1 INCH OR GREATER. FOLLOWING THESE INSPECTIONS, A WRITTEN REPORT SHALL BE PREPARED, INFORMING THE OWNER OR HIS AGENT NOT LESS FREQUENTLY THAN WEEKLY AND THE MUNICIPALITY NOT LESS FREQUENTLY THAN MONTHLY OF OBSERVATIONS, MAINTENANCE, AND CORRECTIVE ACTIVITIES UNDERTAKEN.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

STATE OF CONNECTICUT – DEPARTMENT OF LICENSING – LICENSED PROFESSIONAL ENGINEER – No. 24034

SCALE:
HORZ.: N.T.S.
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS

EROSION & SEDIMENT CONTROL DETAILS

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

CE-501

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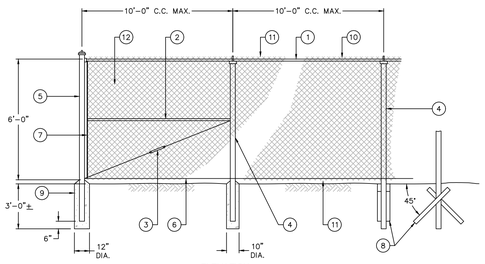


ELEVATION

NOTES

1. FOOTING DESIGN TO BE CHECKED BY AN ENGINEER FOR WIND LOADS IF SLATS ARE USED OR IF POOR SOIL CONDITIONS EXIST.
2. STRAIGHT RUNS BETWEEN BRACED POSTS SHALL NOT EXCEED 500 FT.
3. FENCE DETAILS ARE INTENDED AS A GUIDE ONLY. ALL FENCE MATERIALS AND CONSTRUCTION METHODS SHALL BE APPROVED BY THE ENGINEER AND FENCE MANUFACTURER.

CHAIN LINK FENCE LEGEND

1. 1 5/8" O.D. TOP RAIL ATTACH FABRIC WITH 9 GUAGE WIRE CLIP EVERY 24"
2. 1 5/8" O.D. BRACE FOR RAIL FENCES OVER 6 FEET HIGH AND ALL FENCES WITHOUT TOP RAIL
3. 5/16" TRUSS ROD AND TURNBUCKLE
4. INTERMEDIATE POST

FENCE HEIGHT	SQUARE POST	ROUND POST
6 FEET AND LESS	1 7/8"	2"
OVER 6 FEET	2 1/4"	2 1/2"

ATTACH TO C.L. FABRIC WITH CLIPS EVERY 15"

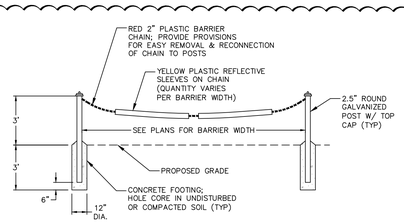
5. END OR CORNER POST

FENCE HEIGHT	SQUARE POST	ROUND POST
6 FEET AND LESS	2"	2 1/2"
OVER 6 FEET	2 1/2"	3"

6. 6 GAUGE BOTTOM TENSION WIRE ATTACH TO FABRIC WITH HOG RING AT 24" C.C.
7. TENSION ROD ATTACHED TO END OR CORNER POST
8. 2 30" MIN. LENGTH DRIVE ANCHORS DRIVEN THROUGH FITTINGS AT 90° TO FENCE LINE INTO EARTH AT 45° (TO BE USED IN PLACE OF CONCRETE FOOTING. SEE FOOTING DESIGN NOTE NO. 1)
9. CONCRETE FOOTING 36" DEEP WITH 12" DIA. AT END POST AND 10" DIA. AT INTERMEDIATE POST. HOLE CORE IN UNDISTURBED OR COMPACTED SOIL. (SEE NOTE NO. 1)
10. 6 GAUGE TENSION WIRE WHEN TOP RAIL IS NOT USED.
11. FABRIC SELVAGE:
UNDER 6 FEET SHALL BE KNUCKLED TOP AND BOTTOM
6 FEET AND OVER SHALL BE KNUCKLED BOTTOM AND TWISTED ON THE TOP
RECREATIONAL FENCING, REGARDLESS OF HEIGHT, SHALL BE KNUCKLED TOP AND BOTTOM
12. 9 GAUGE 2" WIRE MESH FABRIC (COMMERCIAL) BLACK VINYL COATED.

CHAIN LINK FENCE

SCALE: N.T.S.



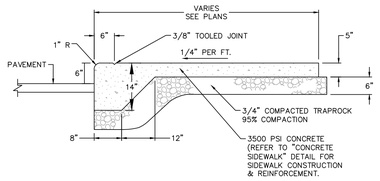
ELEVATION

NOTES

1. COORDINATE/CONFIRM PLASTIC CHAIN & REFLECTIVE SLEEVE PRODUCT SELECTIONS W/ OWNER PRIOR TO INSTALLATION.

REMOVABLE CHAIN BARRIER ON METAL POSTS

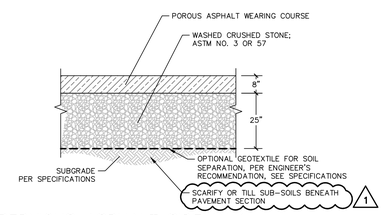
SCALE: N.T.S.



NOTE: DETAIL HAS BEEN MODIFIED TO MATCH THE TOWN OF GREENWICH STANDARD SIDEWALK SECTION.

MONOLITHIC CONCRETE CURB AND WALK

NOT TO SCALE



PERVIOUS ASPHALT SIDEWALK

NOT TO SCALE

07/10/20 | SCD No. 921.14

ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED FOLLOWING THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION SIDEWALK RAMP DETAILS DATED 1/30/2019 AS AMENDED. ATTACH ALL NECESSARY CONCRETE SIDEWALK RAMPS SHEETS TO PLAN SET IN ADDITION TO THE APPLICABLE NOTES AND TOWN OF GREENWICH SPECIFIC STANDARDS BELOW:

- SIDEWALK RAMPS SHEET 1
- CONCRETE SIDEWALK RAMPS SHEET 2
- CONCRETE SIDEWALK RAMPS SHEET 3
- CONCRETE SIDEWALK RAMPS SHEET 4
- CONCRETE SIDEWALK RAMPS SHEET 5
- CONCRETE SIDEWALK RAMPS SHEET 6
- CONCRETE SIDEWALK RAMPS SHEET 7
- CONCRETE SIDEWALK RAMPS SHEET 8
- CONCRETE SIDEWALK RAMPS SHEET 9
- CONCRETE SIDEWALK RAMPS SHEET 10

THE DETECTABLE WARNING STRIP SHALL BE CONSTRUCTED USING ADA SOLUTIONS (OR APPROVED EQUAL) 24" X 48" CAST-IN-PLACE TACTILE PANELS IN BRICK RED. ALTERNATIVE COLORS AND DESIGNS REQUIRE APPROVAL BY THE HIGHWAY DIVISION.

NOTES:

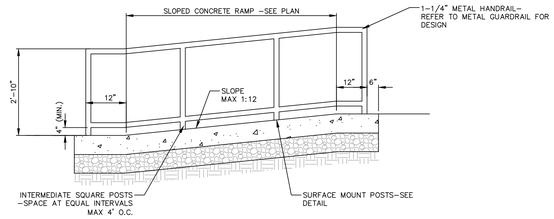
1. SIDEWALK RAMPS SHALL BE CONSTRUCTED AT ALL PEDESTRIAN CROSSWALKS IN ALL NEW DESIGNS AND AT PEDESTRIAN CROSSWALK LOCATIONS WHERE AN EXISTING CURB OR WALK IS TO BE DISTURBED BY CONSTRUCTION.
2. DRAINAGE DESIGN IN THE VICINITY OF SIDEWALK RAMPS SHALL BE CONSIDERED AN INTEGRAL PART OF THE DESIGN OF THOSE RAMPS. NO DRAINAGE STRUCTURES SHALL BE PLACED WITHIN THE LIMITS OF A SIDEWALK RAMP ON THE DESIGNS.
3. REGARDLESS OF THE TYPE OF PAVEMENT OF ADJACENT SIDEWALK, ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED OF CLASS "C" CONCRETE IN ACCORDANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 SECTION M.03.02 (AS AMENDED).
4. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS FOR SIDEWALKS, EXCEPT THE FINAL TEXTURE OF THE CONCRETE SURFACE SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
5. CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP, FREE OF SAGS AND SHORT GRADE CHANGES.
6. MINIMUM WIDTH OF SIDEWALK RAMPS SHALL BE 4 FEET.
7. THE BOTTOM OF THE RAMP SHALL MEET THE BACK ELEVATION OF THE CURB. THE CURB LIP HEIGHT IS NOT TO EXCEED 1/4" ABOVE THE EDGE OF THE ROADWAY PAVEMENT.
8. SUBBASE FOR SIDEWALK RAMPS SHALL BE 6"-3/4" COMPACTED TRAPROCK (95% COMPACTION REQUIRED).

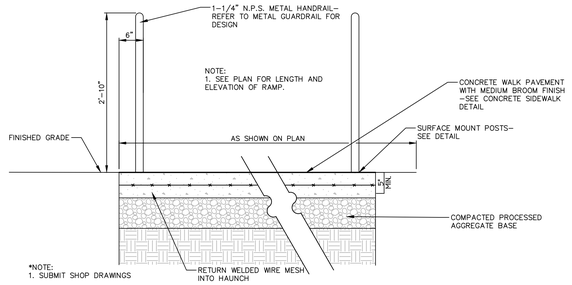
SCALE = N.T.S.

STANDARD CONSTRUCTION DETAIL
CONCRETE SIDEWALK RAMPS
TOWN OF GREENWICH, CONNECTICUT
ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS

CONCRETE SIDWALK RAMPS (TOWN DETAIL)

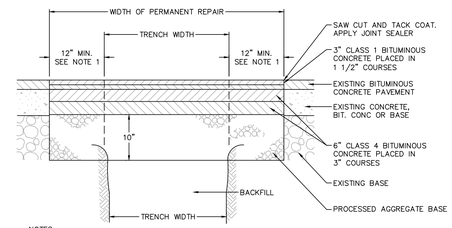
NOT TO SCALE





ADA ACCESSIBLE SLOPE CONCRETE RAMP WITH METAL GUARDRAIL

SCALE: N.T.S.

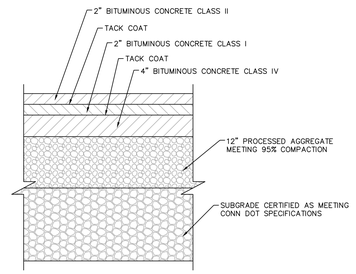


NOTES

1. 12" MIN. OR TO TRANSVERSE JOINT IF JOINT IS VISIBLE WITHIN 6'-6" OF SAWCUT
2. APPLY TACK COAT TO ALL BITUMINOUS CONCRETE SURFACES THAT HAVE BEEN IN PLACE LONGER THAN FIVE CALENDAR DAYS

STATE ROAD PERMANENT PAVEMENT REPAIR

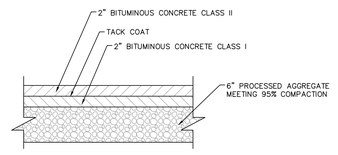
SCALE: N.T.S.



NOTE: DETAIL HAS BEEN MODIFIED TO MATCH THE TOWN OF GREENWICH STANDARD PARKING LOT SECTION.

BITUMINOUS CONCRETE PAVEMENT

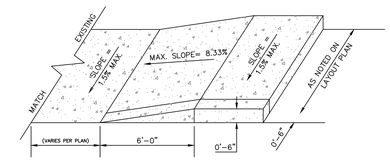
NOT TO SCALE



NOTE: DETAIL HAS BEEN MODIFIED TO MATCH THE TOWN OF GREENWICH STANDARD SIDEWALK SECTION.

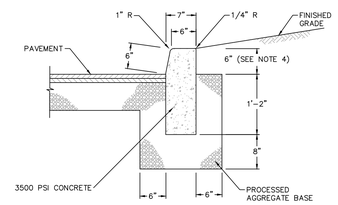
BITUMINOUS CONCRETE SIDEWALK

NOT TO SCALE



ACCESSIBLE RAMP SLOPE

NOT TO SCALE

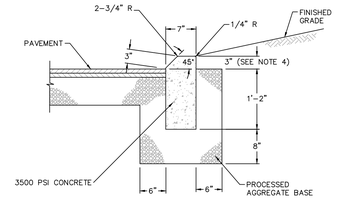


NOTES

1. 1 INCH DEEP BEVELED JOINT AT TOP AND FACE OF CURB EVERY 10 FEET.
2. 1/2 INCH EXPANSION JOINT AND FILLER EVERY 30 FEET.
3. 1/2 INCH EXPANSION JOINT AND FILLER WHEN CURB IS ADJACENT TO CONCRETE SIDEWALK.
4. CURB REVEAL VARIES. SEE PLANS.

CONCRETE CURB

NOT TO SCALE

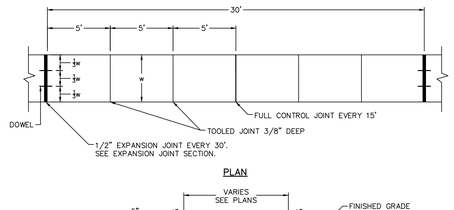


NOTES

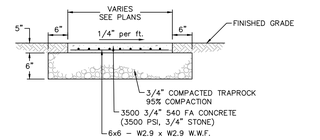
1. 1 INCH DEEP BEVELED JOINT AT TOP AND FACE OF CURB EVERY 10 FEET.
2. 1/2 INCH EXPANSION JOINT AND FILLER EVERY 30 FEET.
3. 1/2 INCH EXPANSION JOINT AND FILLER AT INTERFACE OF CURB & CONCRETE ISLAND.
4. CURB REVEAL VARIES. SEE PLANS.

MOUNTABLE CONCRETE CURB

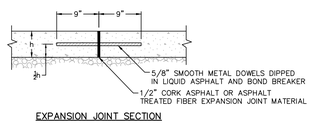
NOT TO SCALE



PLAN



SIDEWALK SECTION



EXPANSION JOINT SECTION

NOTE: DETAIL HAS BEEN MODIFIED TO MATCH THE TOWN OF GREENWICH STANDARD SIDEWALK SECTION.

CONCRETE SIDEWALK

NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
2	4/21/2021	RESPONSE TO TOWN COMMENTS		
1	12/22/2020	RESPONSE TO TOWN COMMENTS		

SEAL

STATE OF CONNECTICUT — JEFFREY E. LEWIS — No. 24434 — LICENSED PROFESSIONAL ENGINEER

SCALE:
HORZ.: N.T.S.
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GREENWICH PUBLIC SCHOOLS

CONSTRUCTION DETAILS

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
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CD-501

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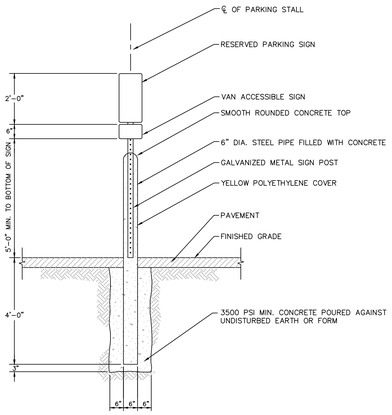
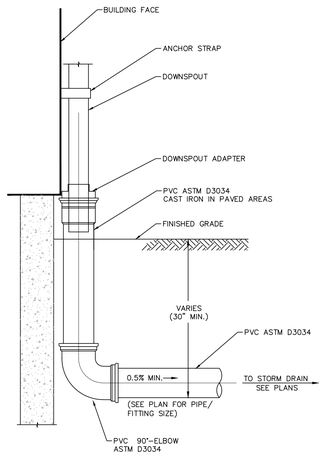
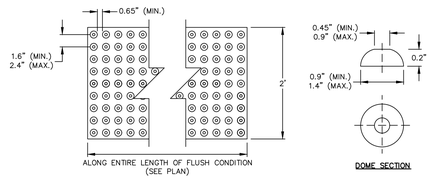


ACCESSIBLE PARKING SIGN POST
NOT TO SCALE



ROOF LEADER DRAIN CONNECTION
NOT TO SCALE



DETECTABLE WARNING STRIP
NOT TO SCALE



NOTE: SYMBOL DIMENSIONS TO CONFORM TO APPLICABLE REQUIREMENTS.

RESERVED SYMBOL
NOT TO SCALE

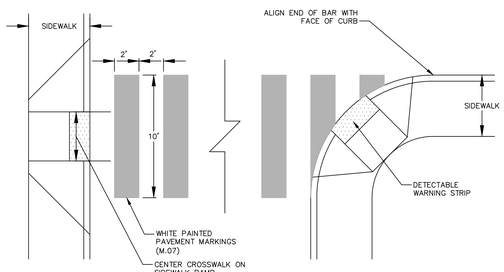


NOTES:

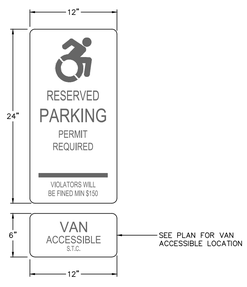
1) "STOP" TEXT SHALL BE CENTERED IN TRAVEL LANE.

2) "STOP" TEXT SHALL BE WHITE IN COLOR AND PAINTED WITH APPROPRIATE LETTER STENCILS.

"STOP" PAVEMENT MARKING
NOT TO SCALE



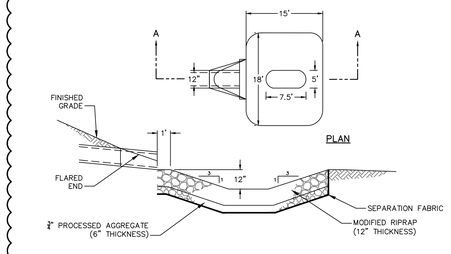
PAINTED CROSS WALK
NOT TO SCALE



NOTES

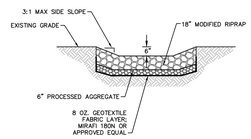
CDOT NUMBER: 31-0629
ALUMINUM THICKNESS: .080"
BACKGROUND: BLUE (REF.)
LEGEND: WHITE (REF.)
POSTS: SEE "ACCESSIBLE PARKING SIGN AND POST" DETAIL

RESERVED PARKING SIGN
NOT TO SCALE



SECTION A–A

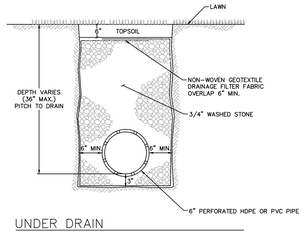
RIPRAP STILLING BASIN
NOT TO SCALE



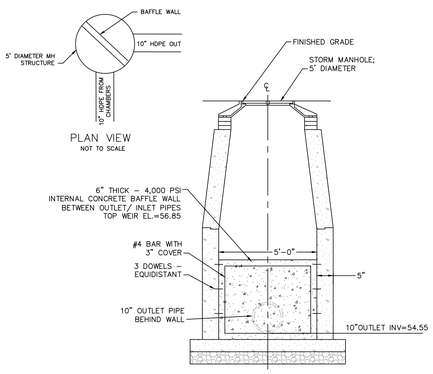
STANDARD SECTION

NOTE: SEE PLAN FOR WIDTHS AND LENGTHS

RIPRAP OUTLET PROTECTION
NOT TO SCALE

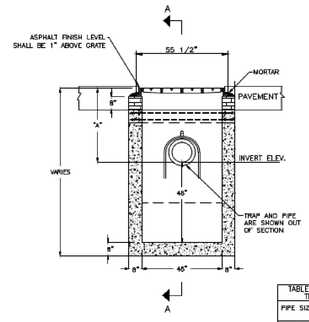


UNDER DRAIN
NOT TO SCALE

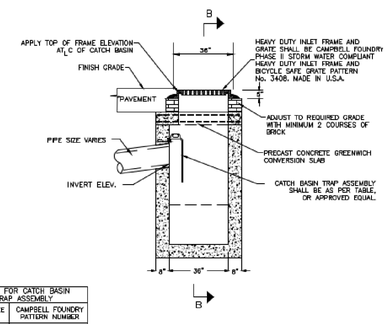


OUTLET CONTROL STRUCTURE #1
NOT TO SCALE

2



SECTIONAL ELEVATION B–B



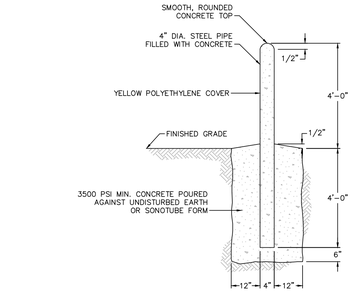
SECTIONAL ELEVATION A–A

TABLE FOR CATCH BASIN TRAP ASSEMBLY	
PIPE SIZE	CAMPBELL FOUNDRY PATTERN NUMBER
10"	2563
12"	2563
15"	2564
18"	2565

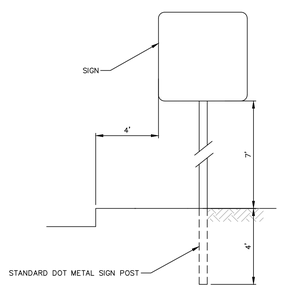
NOTES:

1. DIMENSION "A" SHALL BE CONSISTENT WITH THE INVERT ELEVATION SHOWN ON CONTRACT DRAWINGS. WHEN NO INVERT ELEVATION IS SPECIFIED, DIMENSION "A" SHALL BE ADEQUATE TO PROVIDE A MINIMUM OF 2'–0" OF COVER OVER PIPE.

TYPE "C–1" CURBLESS PRECAST CATCH BASIN (TOWN DETAIL)
NOT TO SCALE

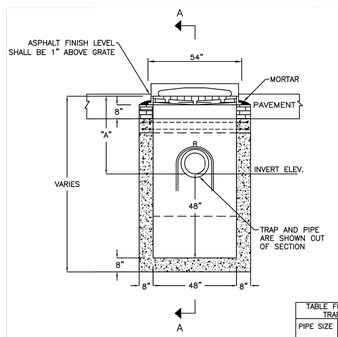


BOLLARD
NOT TO SCALE

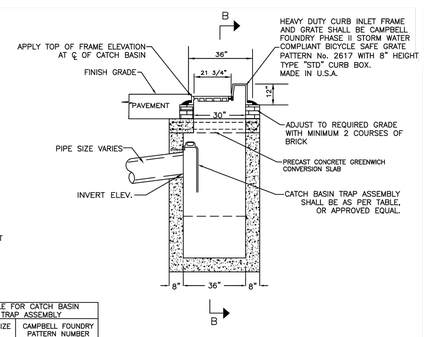


NOTE:
TYPICAL SIGN DETAIL; REFER TO CTDOT STANDARD SHEET – METAL SIGN POST AND SIGN MOUNTING DETAILS TR-1208_02

SIGN
NOT TO SCALE



SECTIONAL ELEVATION B–B



SECTIONAL ELEVATION A–A

TABLE FOR CATCH BASIN TRAP ASSEMBLY	
PIPE SIZE	CAMPBELL FOUNDRY PATTERN NUMBER
10"	2563
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TYPE "C–1" PRECAST CATCH BASIN (TOWN DETAIL)
NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
2	4/21/2021	RESPONSE TO TOWN COMMENTS		
1	12/22/2020	RESPONSE TO TOWN COMMENTS		

SEAL

STATE OF CONNECTICUT — JEFFREY T. GRIFFING — No. 24034 — LICENSED PROFESSIONAL ENGINEER

SCALE:
HORZ.: N.T.S.
VERT.:
DATUM:
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GRAPHIC SCALE

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GREENWICH PUBLIC SCHOOLS

CONSTRUCTION DETAILS

GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS

GREENWICH CONNECTICUT

PROJ. No.: 20110944.S10
DATE: 11/10/2020

CD-502

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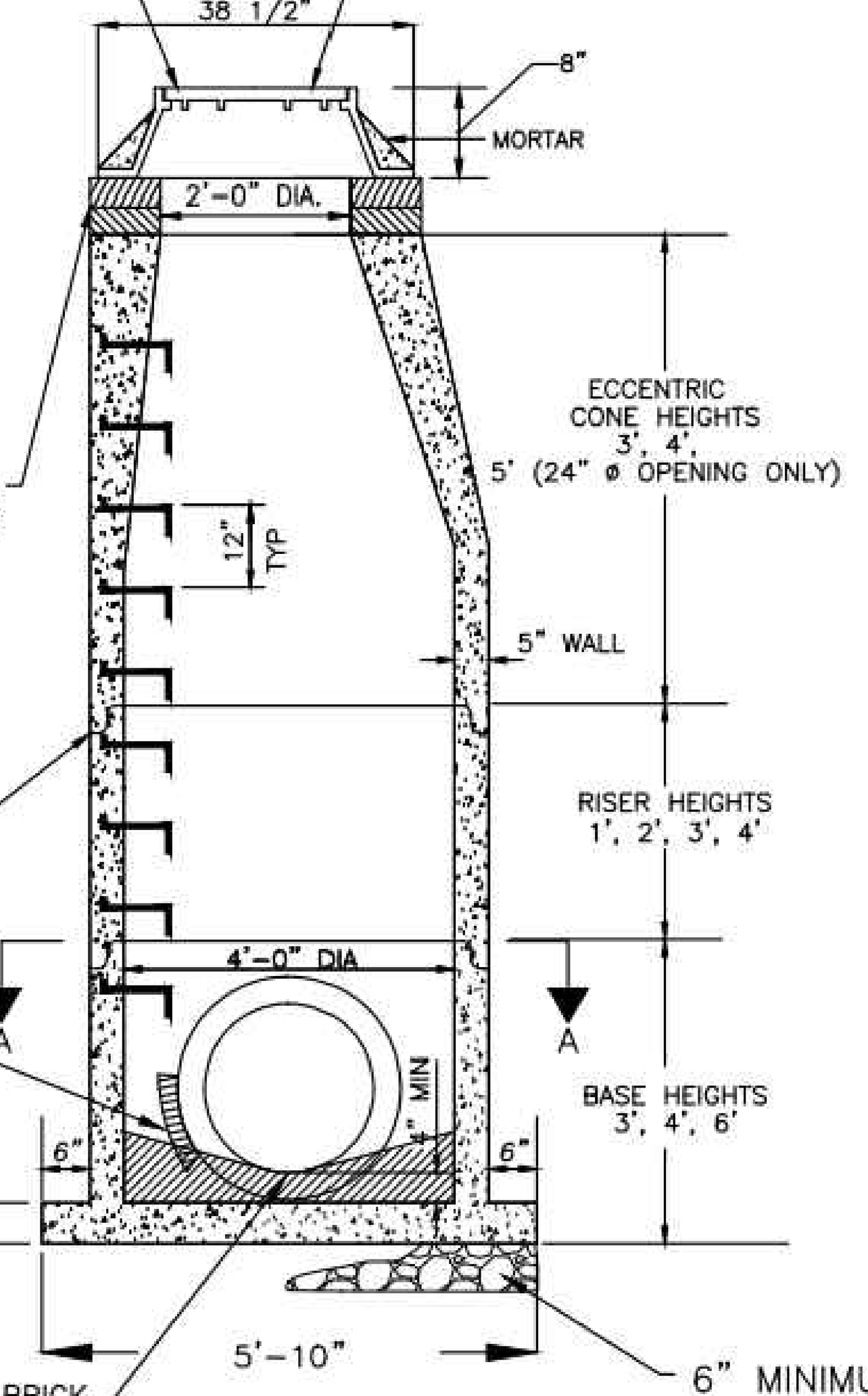
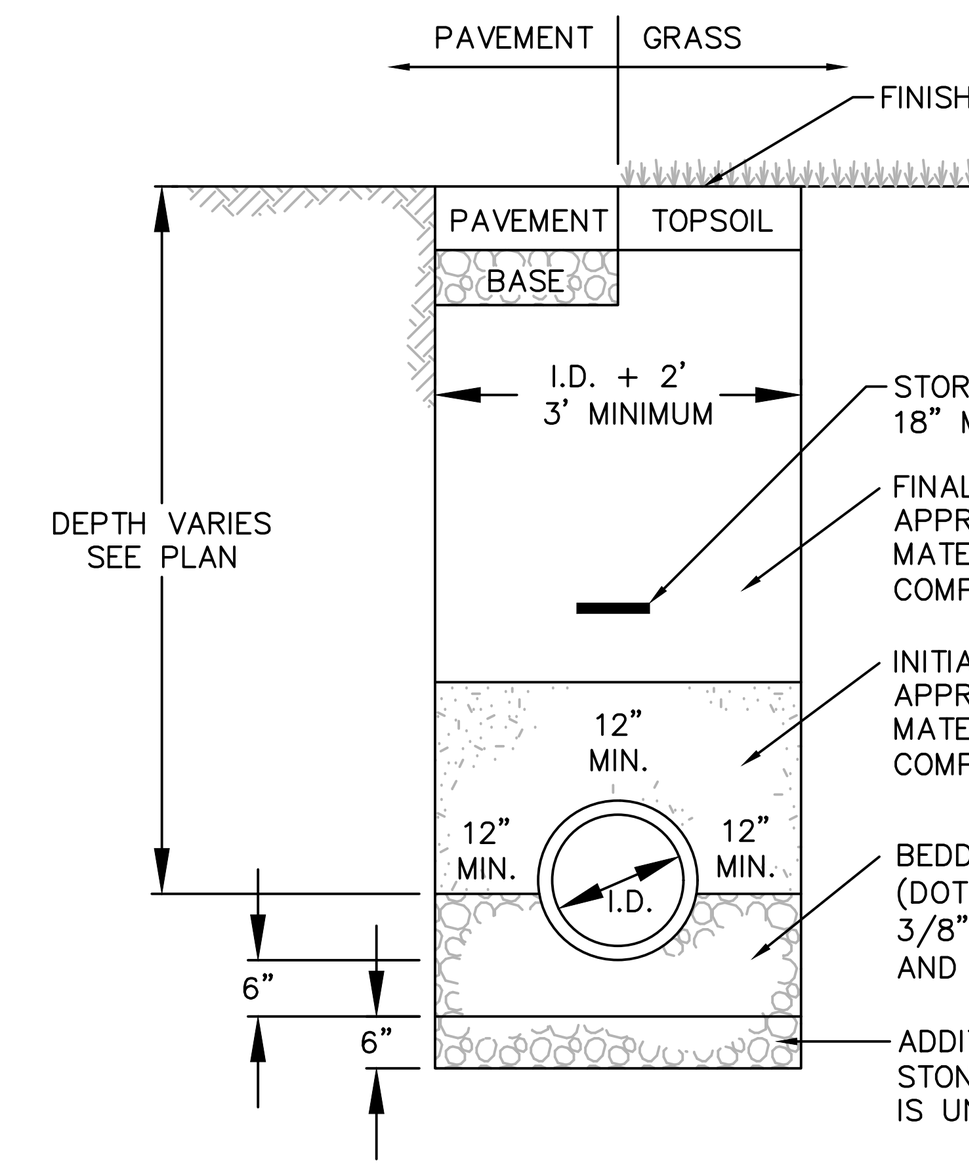
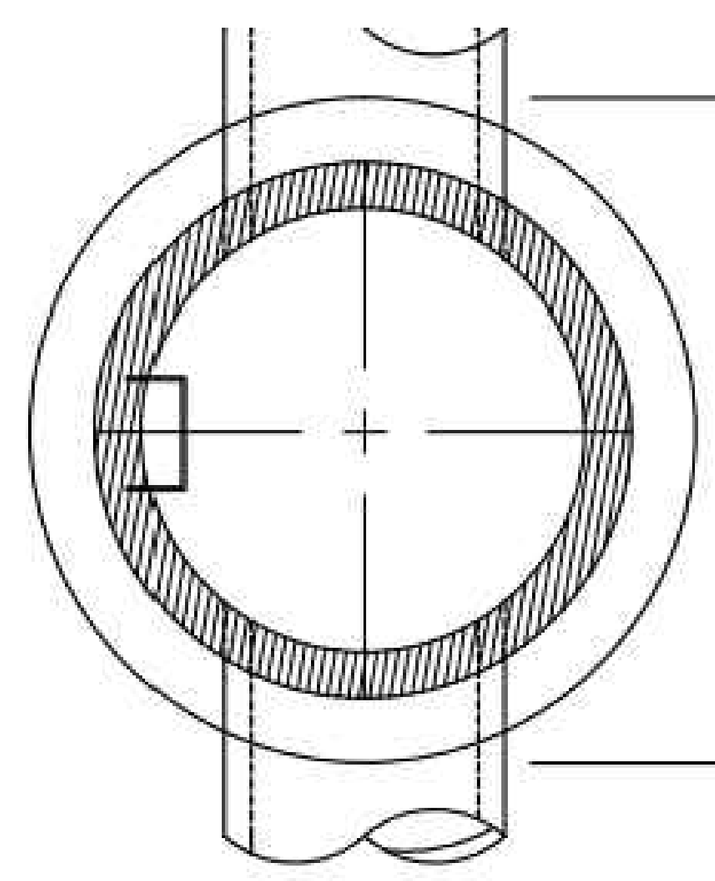


4' DIA. STORM DRAIN PRECAST CONCRETE MANHOLE WITH CONE (TOWN DETAIL)
NOT TO SCALE



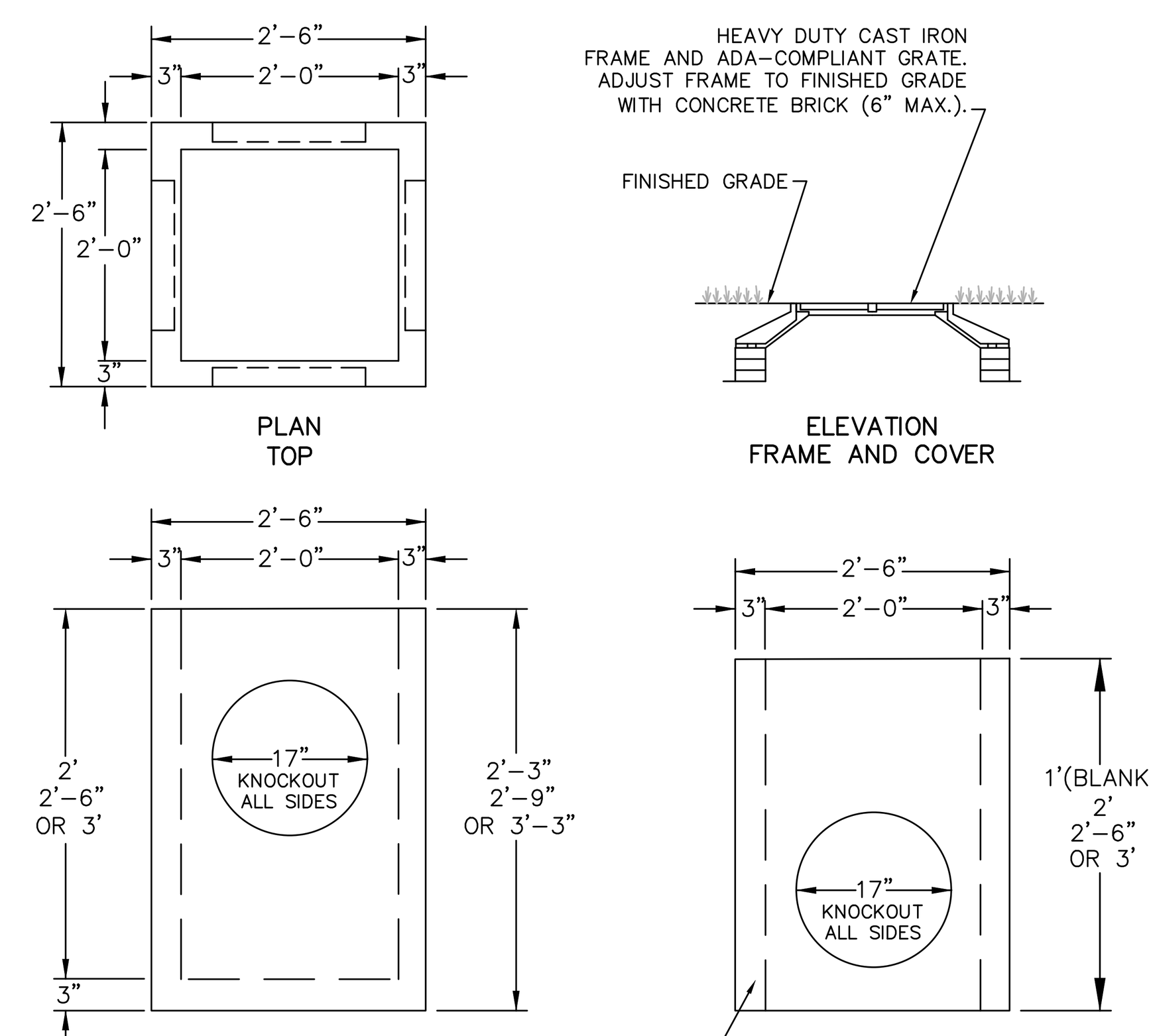
STORM SEWER TRENCH
NOT TO SCALE



SECTION A-A

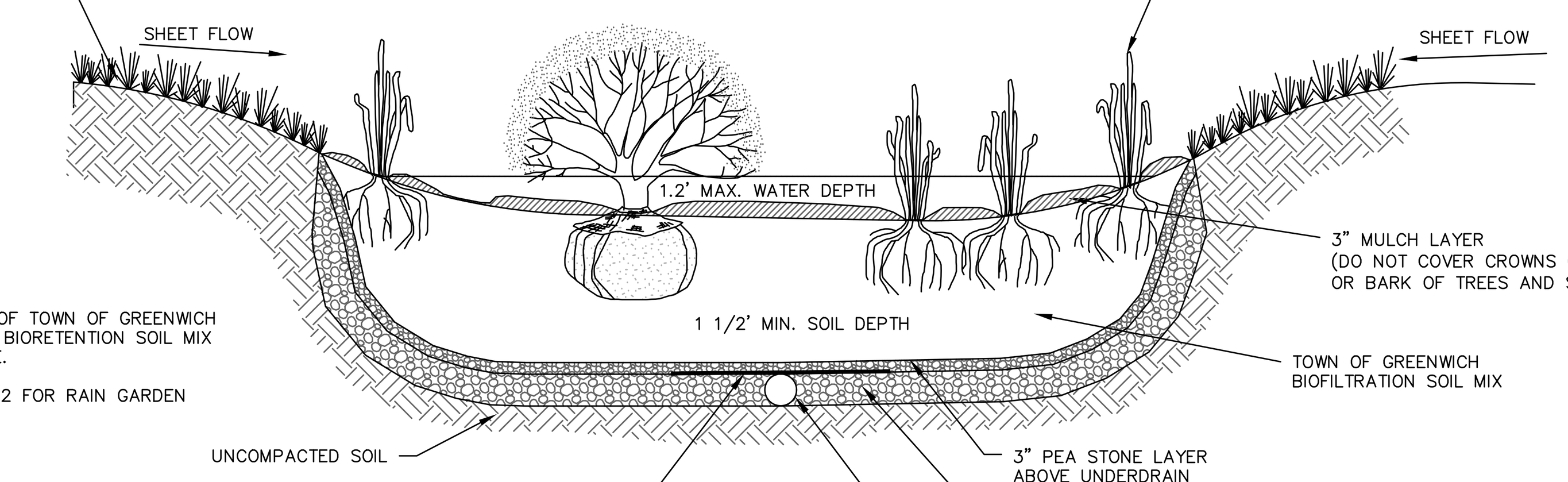
NOTES:

1. MANHOLES SHALL HAVE LETTERS "DRAIN" CAST ON THE COVERS AND FRAME AND THE COVER SHALL BE MADE IN U.S.A.
2. ALL INTERIOR AND EXTERIOR SURFACES OF MANHOLE GRADE ADJUSTMENT COURSES SHALL BE COVERED WITH 1/4" TO 3/8" MASONRY CEMENT PLASTER.
3. MANHOLE STEPS SHALL BE EQUAL TO PATTERN NO. 2593 AS MANUFACTURED BY THE CAMPBELL FOUNDRY COMPANY, HARRISON, N.J. (ALIGN VERTICALLY)



NOTE: PROVIDE 2' SUMP FOR ALL YARD DRAINS

YARD DRAIN (HEAVY DUTY)
NOT TO SCALE



NOTES:

1. REFER TO APPENDIX G OF TOWN OF GREENWICH DRAINAGE MANUAL FOR BIORETENTION SOIL MIX AND STONE LAYER TYPE.
2. REFER TO SHEET CG-102 FOR RAIN GARDEN OUTLET STRUCTURES..

RAIN GARDEN TYPICAL CROSS SECTION
NOT TO SCALE

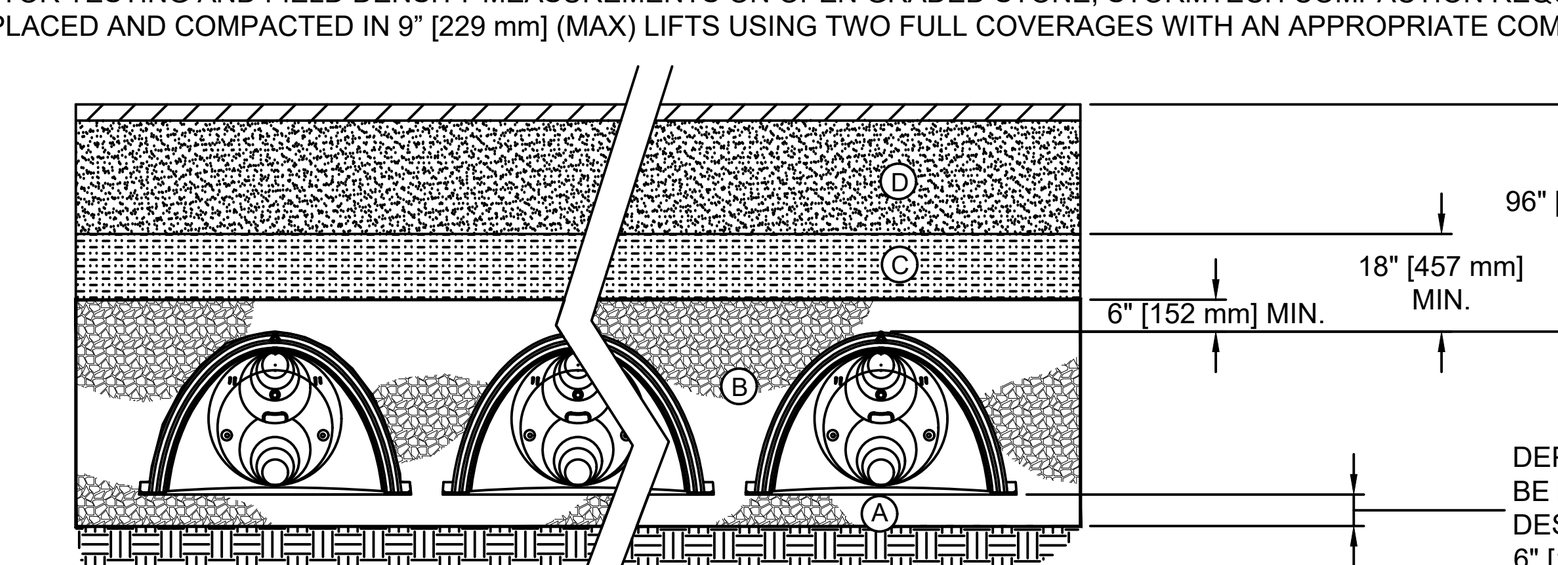
2

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 AND SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION(1)	COMPACTION/DENSITY REQUIREMENT
(D) FILL MATERIAL FOR LAYER D STARTS FROM THE TOP OF THE C LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISH GRADE ABOVE. NOTE THAT PAVEMENT SUB-BASE MAY BE PART OF THIS LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
(C) FILL MATERIAL FOR LAYER C STARTS FROM THE TOP OF THE EMBEDMENT STONE (B LAYER) TO 18" [457 mm] ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUB-BASE MAY BE A PART OF THIS LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, < 35% FINES. MOST PAVEMENT SUB-BASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTION AFTER 12" [305 mm] OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" [152 mm] LIFTS TO A MIN. 95% STANDARD PROCTOR DENSITY (2). ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs [53 kN]. DYNAMIC FORCE NOT TO EXCEED 20,000 lbs [89 kN].
(B) EMBEDMENT STONE SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A LAYER) TO THE C LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4 - 2 INCH [19 - 51 mm]	3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
(A) FOUNDATION STONE BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION BETWEEN 3/4 - 2 INCH [19 - 51 mm]	3, 35, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY(2).

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".

2. AS AN ALTERNATE TO PROCTOR TESTING AND FIELD DENSITY MEASUREMENTS ON OPEN GRADED STONE, STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" [229 mm] (MAX) LIFTS USING TWO FULL COVERAGES WITH AN APPROPRIATE COMPACTOR.



ADS ADVANCED DRAINAGE SYSTEMS, INC.
THE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.
StormTech Detention•Retention•Recharge Subsurface Stormwater Management
70 INWOOD ROAD, SUITE 3 | ROCKY HILL, CT 06067 PHONE: 888-892-2694 | FAX: 866-328-8401 WWW.STORMTECH.COM

STORMTECH ACCEPTABLE FILL

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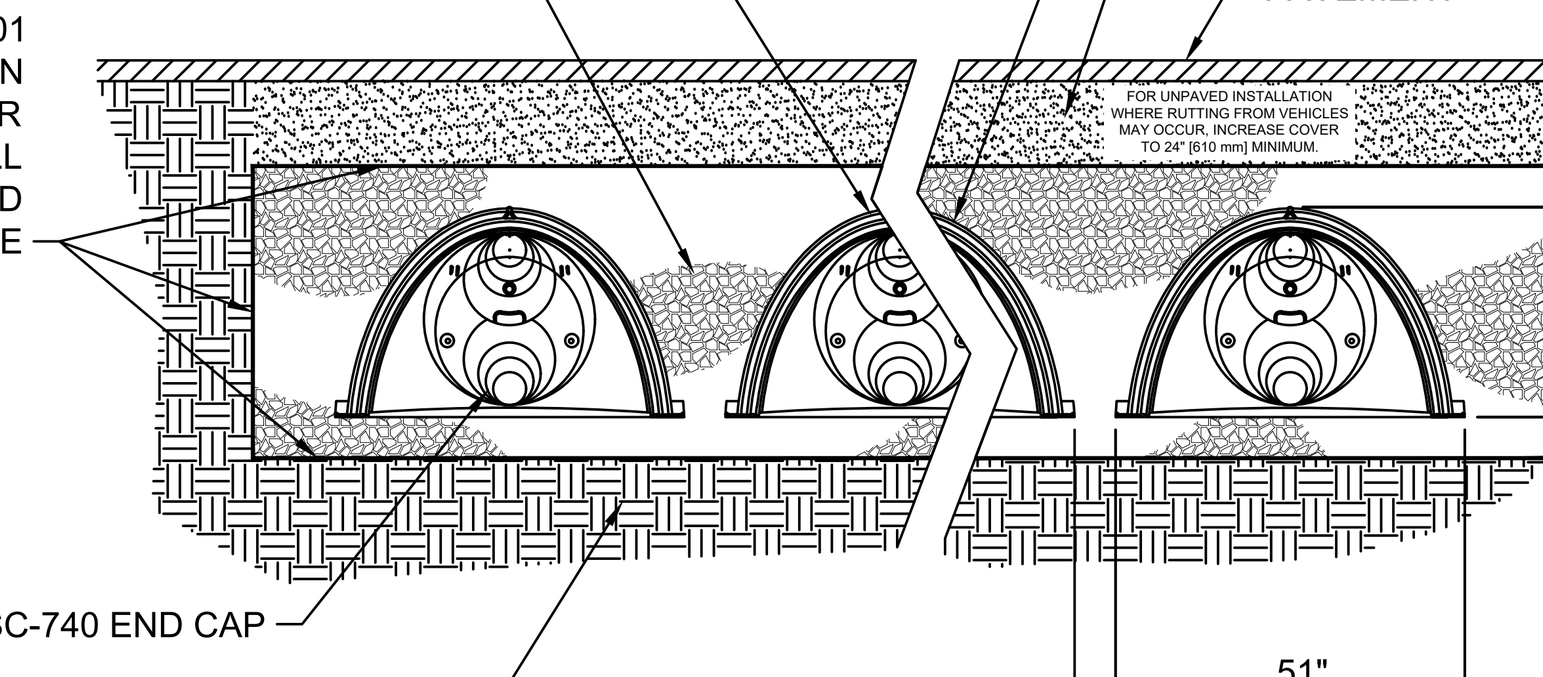

THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12 FOR EARTH AND LIVE LOADS WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCE.

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SC-740 TYPICAL CROSS-SECTION

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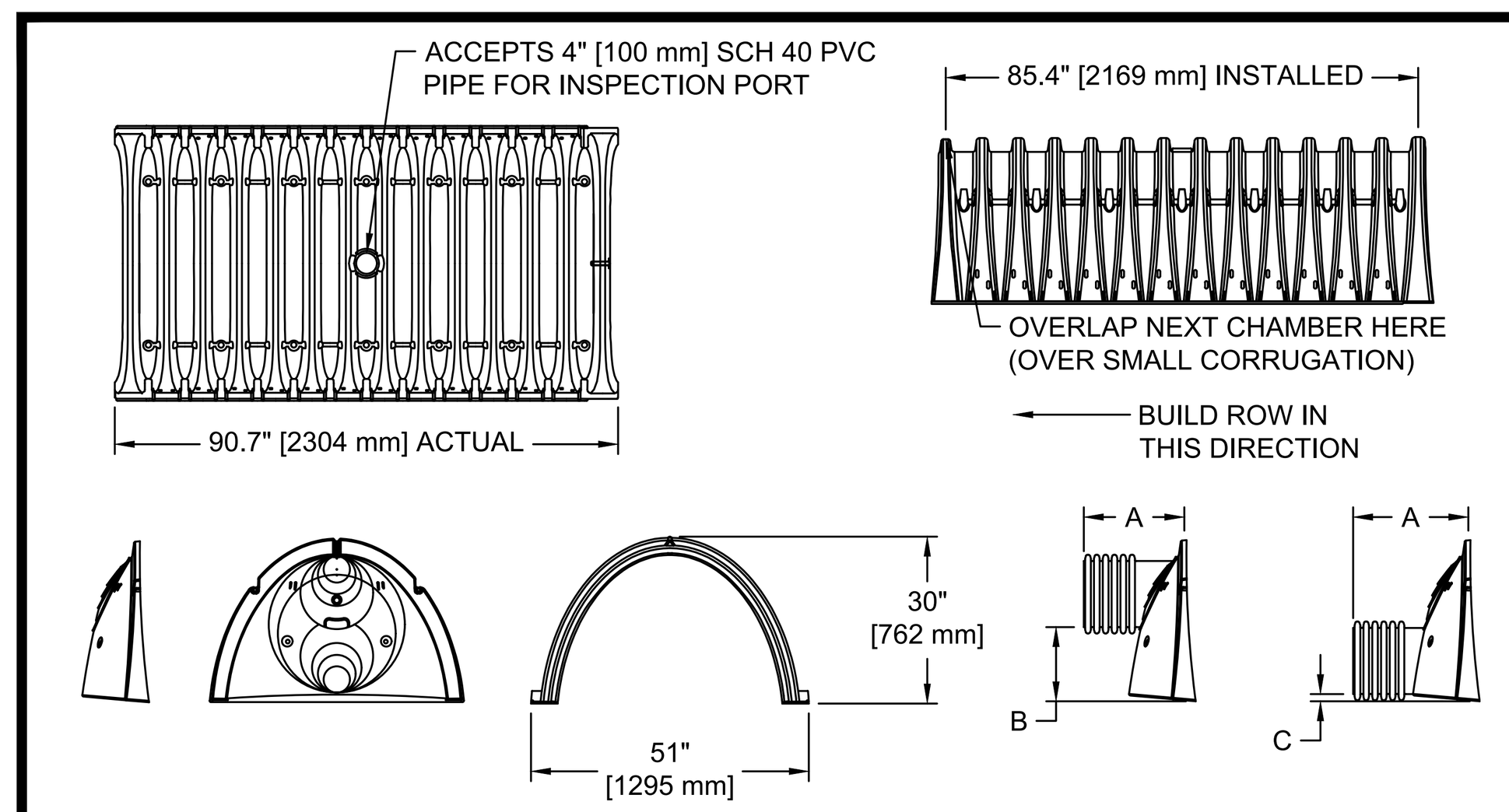
DATE:	08-22-12
DRAWN BY:	JLM
CHECKED:	

NOTE: SOILS BENEATH SUBSURFACE INFILTRATION SYSTEM SHALL BE SCARIFIED OR TILLED TO IMPROVE INFILTRATION.

2



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W x H x INSTALLED LENGTH)	51.0" x 30.0" x 85.4" [1295 mm x 762 mm x 2169 mm]
CHAMBER STORAGE	45.9 CUBIC FEET [1.30 m³]
MINIMUM INSTALLED STORAGE	74.9 CUBIC FEET [2.12 m³]
WEIGHT	75 lbs. [33.6 kg]

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART#	STUB	A	B	C
SC740EPE06T	6" [150 mm]	10.90" [277 mm]	18.50" [470 mm]	N/A
SC740EPE06B	6" [150 mm]	10.90" [277 mm]	N/A	0.50" [13 mm]
SC740EPE08T	8" [200 mm]	12.20" [310 mm]	16.50" [419 mm]	N/A
SC740EPE08B	8" [200 mm]	12.20" [310 mm]	N/A	0.60" [15 mm]
SC740EPE10T	10" [250 mm]	13.40" [340 mm]	14.50" [368 mm]	N/A
SC740EPE10B	10" [250 mm]	13.40" [340 mm]	N/A	0.70" [18 mm]
SC740EPE12T	12" [300 mm]	14.70" [373 mm]	12.50" [318 mm]	N/A
SC740EPE12B	12" [300 mm]	14.70" [373 mm]	N/A	1.20" [30 mm]
SC740EPE15T	15" [375 mm]	18.40" [467 mm]	9.00" [229 mm]	N/A
SC740EPE15B	15" [375 mm]	18.40" [467 mm]	N/A	1.30" [33 mm]
SC740EPE18T	18" [450 mm]	19.70" [500 mm]	5.00" [127 mm]	N/A
SC740EPE18B	18" [450 mm]	19.70" [500 mm]	N/A	1.60" [41 mm]
*SC740EPE24B	24" [600 mm]	18.50" [470 mm]	N/A	0.10" [3 mm]

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

*FOR THE SC740EPE24B THE 24" [600 mm] STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" [44 mm]. BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

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SC-740 TECHNICAL SPECIFICATIONS

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DRAWN BY:	KLJ
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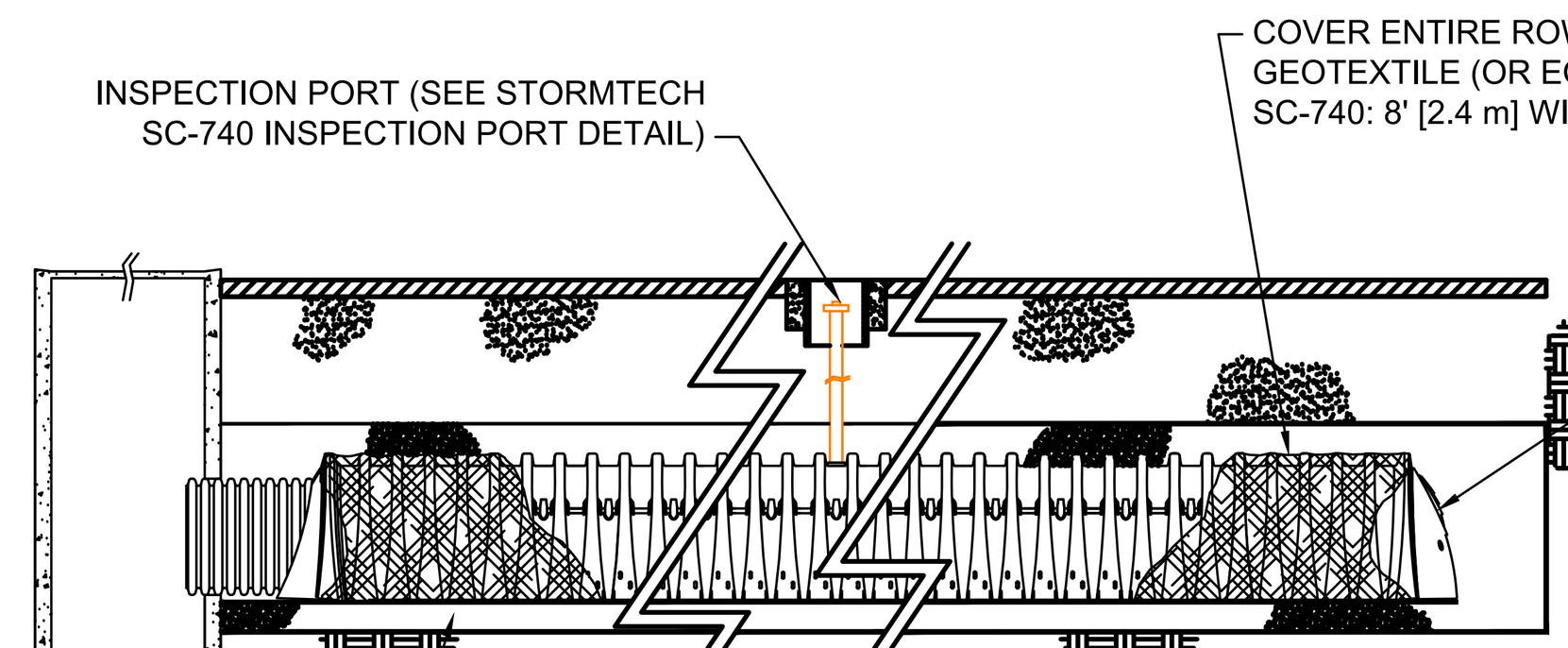

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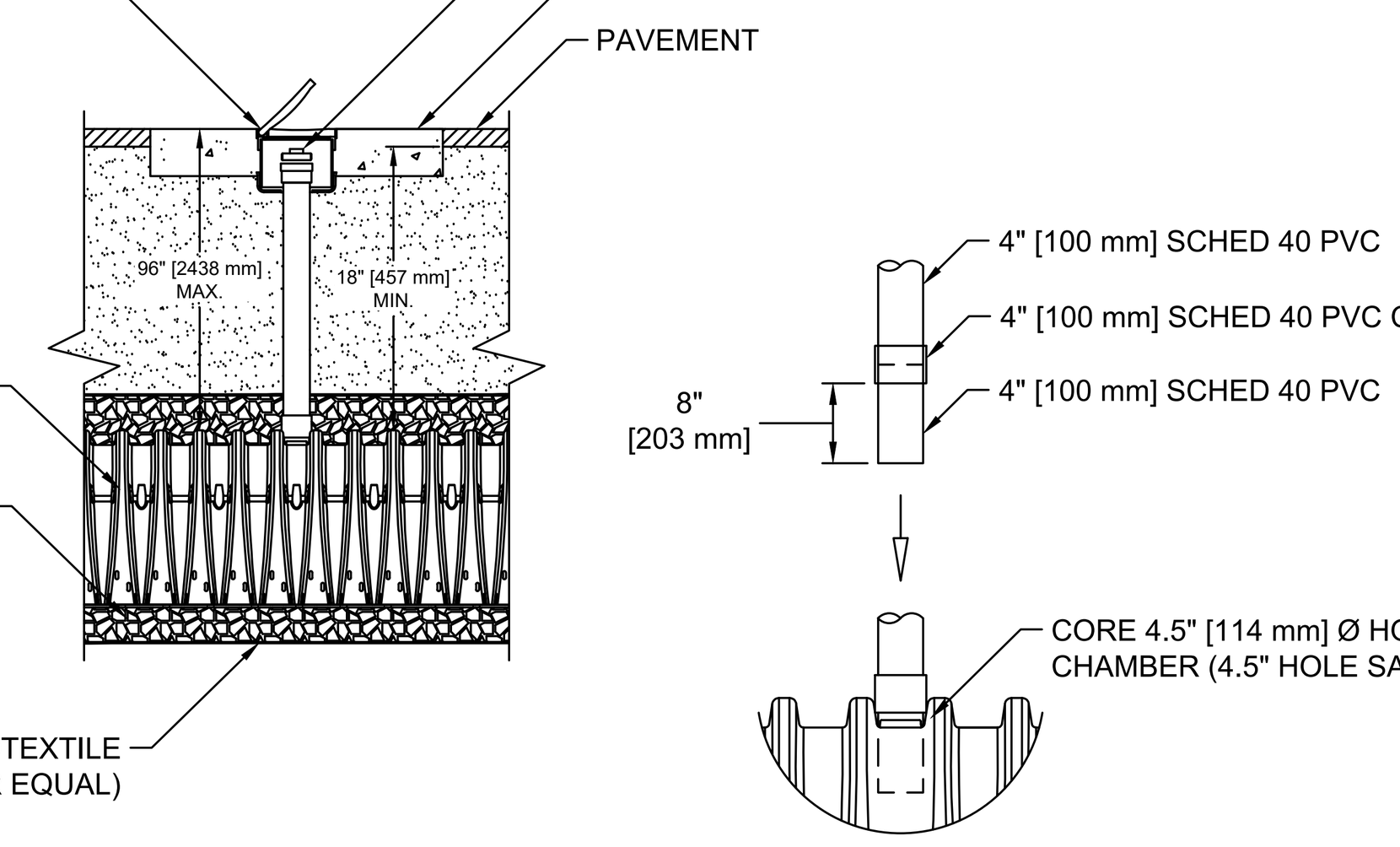
ISOLATOR ROW

SCALE:	NTS
DATE:	6/15/11
DRAWN BY:	KLJ
CHECKED:	

NOTES:
1. INSPECTION PORT MUST BE CONNECTED THROUGH KNOCK-OUT LOCATED AT CENTER OF CHAMBER.
2. ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED.



CONNECTION DETAIL
NTS

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SC-740 INSPECTION PORT DETAIL

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1	12/22/2020	RESPONSE TO TOWN COMMENTS		

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DATE: 11/10/2020

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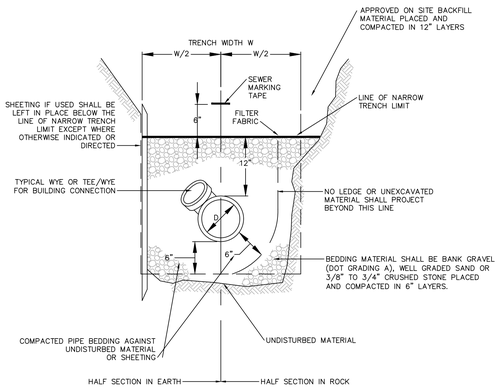
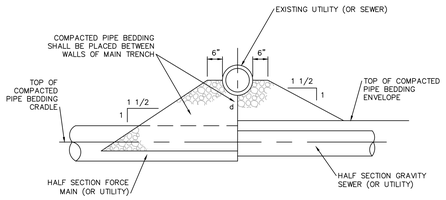
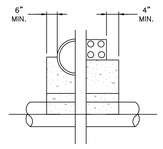


TYPICAL SEWER TRENCH

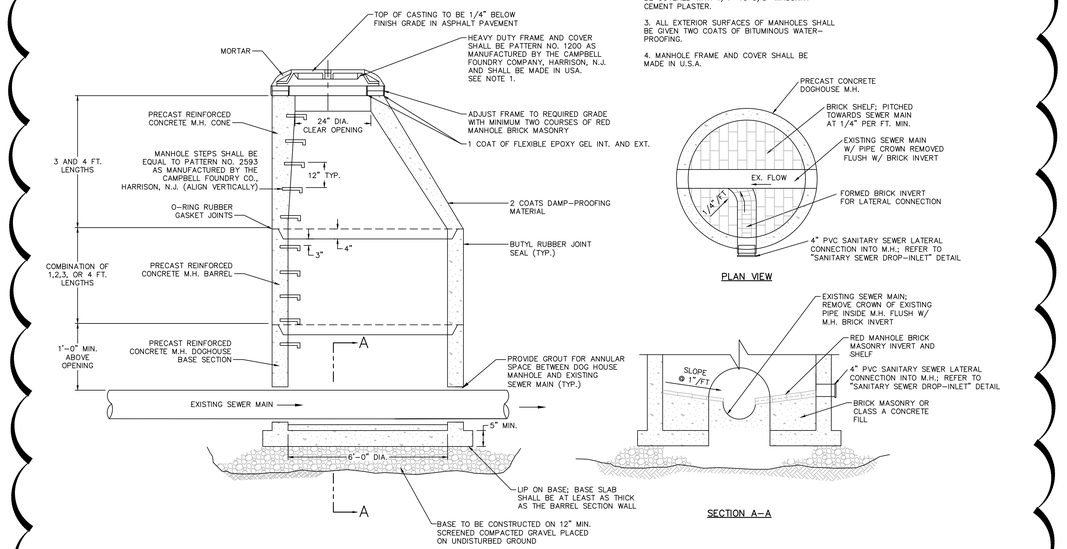
NOT TO SCALE



TYPE A (d > 12")



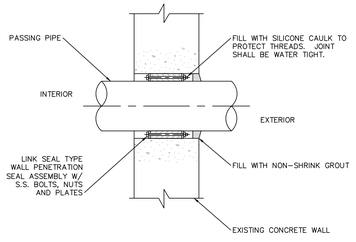
HALF SECTION



SANITARY SEWER PRECAST CONCRETE DOGHOUSE MANHOLE

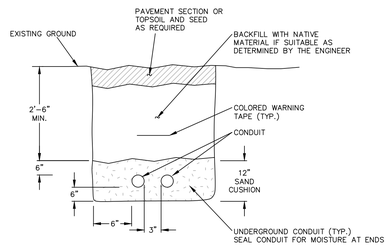
SCALE: N.T.S.

1



CORE DRILL & LINK SEAL DETAIL

NOT TO SCALE

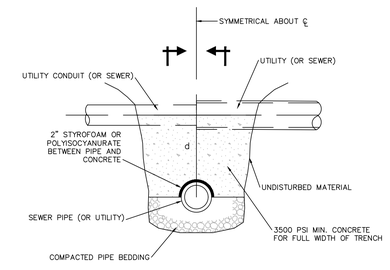


UNDERGROUND CONDUIT TRENCH NOTES

1. INSTALL COLORED MARKING TAPE ABOVE CONDUITS AND BURIED WIRING. RED TAPE IS TO BE USED ABOVE ELECTRICAL CONDUITS AND ORANGE TAPE IS TO BE USED ABOVE COMMUNICATION CONDUITS.
2. CONDUIT SIZE AND MATERIAL TO BE DETERMINED BASED ON REQUIREMENTS SET FORTH BY THE RELEVANT UTILITY COMPANIES.

UNDERGROUND CONDUIT TRENCH DETAIL

NOT TO SCALE



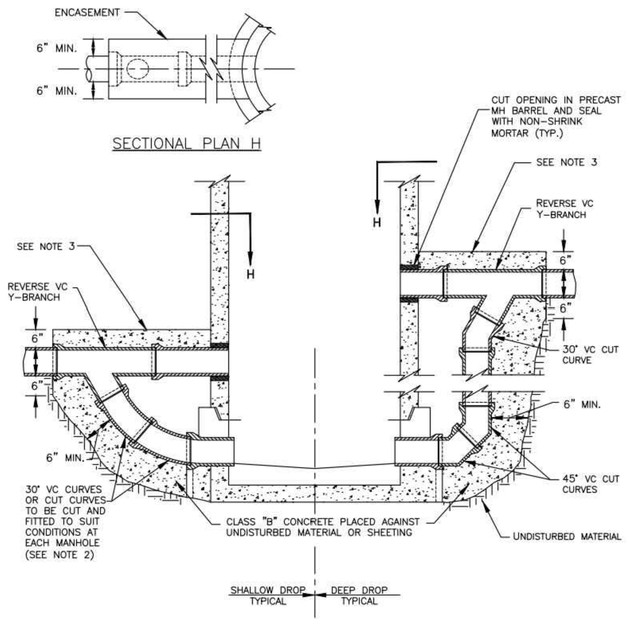
TYPE B (d < 12")

UTILITY SUPPORT NOTES

1. d=DISTANCE FROM TOP OF SEWER PIPE TO THE BOTTOM OF THE UTILITY PIPE
2. SUPPORTS TO BE LOCATED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER

TYPICAL SUPPORT FOR UTILITIES

NOT TO SCALE



NOTES:

1. DROP PIPE TO BE SAME DIAMETER AS SEWER DISCHARGING INTO MANHOLE FOR SEWERS UP TO AND INCLUDING 12" SIZE.
2. DEEPER DROP MAY BE CONSTRUCTED WITH STRAIGHT PIPE BETWEEN Y-BRANCH AND CURVE.
3. EXTEND ENCASEMENT TO FIRST JOINT BEYOND EXCAVATION FOR DROP CONNECTION.
4. DIMENSIONS AND CONSTRUCTION OF DROP MANHOLE TO BE SIMILAR TO TYPICAL MANHOLE EXCEPT AS SHOWN.

SANITARY SEWER DROP INLET (TOWN DETAIL)

NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1	1/28/2021	RESPONSE TO TOWN COMMENTS		

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STATE OF CONNECTICUT — STEPHEN C. LERO — LICENSED PROFESSIONAL ENGINEER — NO. 24434

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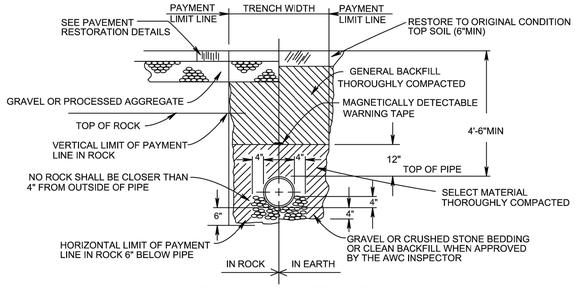


NOTE: TRENCH NOT TO EXCEED A WIDTH EQUAL TO THE OUTSIDE PIPE DIA. + 3'-4"

TYPICAL TRENCH DETAIL

NOT TO SCALE

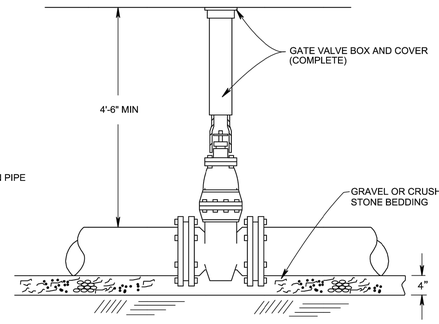
REFER TO PAVEMENT RESTORATION PLANS FOR TEMPORARY AND PERMANENT PAVEMENT REPAIR DETAILS

TEMPORARY PAVEMENT REPAIR LIMITS	
PIPE SIZE	TRENCH WIDTH★
6"	4'-0"
8"	4'-0"
12"	4'-0"
16"	4'-0"
20"	5'-0"
24"	5'-0"
30"	6'-0"
36"	6'-0"

★ IF TRENCH BOXES ARE USED ADD 2' TO ALL TRENCH WIDTHS

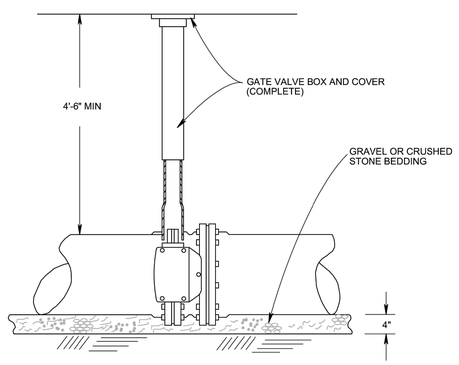
"MEGALUG" D.I. PIPE RESTRAINTS

NOT TO SCALE



TYPICAL MJ GATE VALVE INSTALLATION

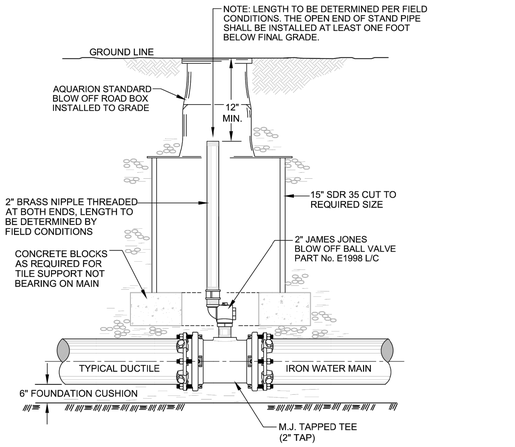
NOT TO SCALE



NOTE: ONLY INSTALLED ON MAINS 12" AND LARGER

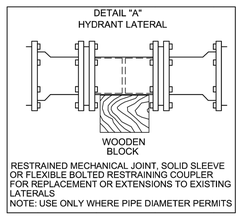
TYPICAL MJ BUTTERFLY VALVE INSTALLATION

NOT TO SCALE



TYPICAL BLOW-OFF & AIR VENT INSTALLATION DETAIL

NOT TO SCALE



TYPICAL HYDRANT INSTALLATION

NOT TO SCALE

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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

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STATE OF CONNECTICUT — CERTIFICATE OF REGISTRATION — No. 24424 — LICENSED PROFESSIONAL ENGINEER

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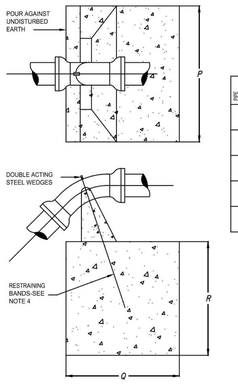
DATE: 11/10/2020

CD-505



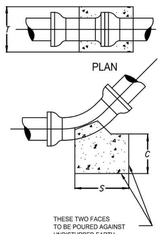
PIPE DIAM. IN	BEND	P IN.	Q IN.	R IN.	CONCRETE VOLUME CU. YD.
16	45	72	60	56	52
	22 1/2	60	48	44	27
	11 1/4	60	36	36	14
12	45	60	48	48	3.0
	22 1/2	42	42	40	15
	11 1/4	34	34	34	0.84
10	45	54	42	42	2.0
	22 1/2	36	36	36	1.0
	11 1/4	30	30	30	0.58
8	45	48	36	36	1.3
	22 1/2	32	32	32	0.71
	11 1/4	26	26	26	0.38
6	45	42	30	28	0.76
	22 1/2	26	26	26	0.38
	11 1/4	24	24	24	0.30

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. WHERE 90° CREST VERTICAL BEND IS REQUIRED APPROVAL MUST FIRST BE OBTAINED FROM THE ENGINEER. A SPECIAL DESIGN WILL BE REQUIRED.
4. 2-#6 REINFORCING RODS REQUIRED FOR 16" 45° BEND; 1#6 REINFORCING ROD REQUIRED FOR ALL OTHER BENDS. EXPOSED BARS TO BE PROVIDED WITH PROTECTIVE COATING.

ELEVATION

NOTE:
IN ADDITION TO THE CONCRETE THRUST BLOCKS, ALL FITTINGS TO BE TIED TOGETHER WITH 3/4" GALVANIZED THREADED RODS, AND ANY OTHER SPECIALS AS DIRECTED BY THE WATER COMPANY.

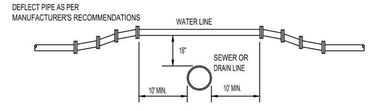
CREST VERTICAL BENDS
NOT TO SCALE



PIPE DIAM. IN	BEND	S IN.	T IN.	U IN.	CONCRETE VOLUME CU.FT.
16	90	48	48	48	640
	45	48	34	20	189
	22 1/2	42	20	18	88
	11 1/4				(3)
12	90	36	36	36	270
	45	36	24	18	90
	22 1/2	28	18	12	35
	11 1/4				(3)
10	90	30	30	30	156
	45	30	20	18	63
	22 1/2	22	16	12	24
	11 1/4				(3)
8	90	24	24	24	80
	45	24	16	12	27
	22 1/2	18	12	12	15
	11 1/4				(3)
6	90	18	18	18	34
	45	18	12	12	15
	22 1/2	12	12	12	10
	11 1/4				(3)

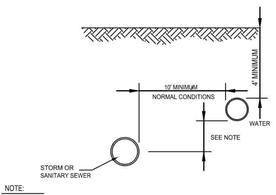
NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. BEND TO BE SET AGAINST UNDISTURBED EARTH, BACKFILL TO BE FIRMLY TAMPED, OR BLOCK TO BE FURNISHED AS DIRECTED BY THE ENGINEER.

SAG VERTICAL BENDS
NOT TO SCALE



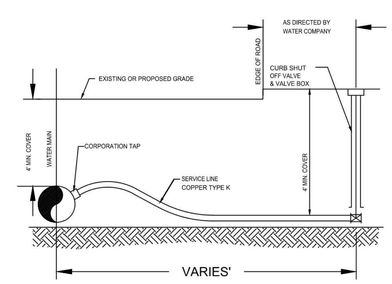
NOTE:
FOR ANY CONDITIONS OTHER THAN SHOWN ABOVE THE FOLLOWING REQUIREMENTS SHALL BE MET. THE JOINTS OF THE SANITARY SEWER OR STORM DRAIN SHALL BE A MINIMUM OF 10' FROM THE POINT OF CROSSING AND THE SANITARY SEWER SHALL BE CLASS 100 PRESSURE PIPE & THE STORM DRAIN SHALL BE DUCTILE IRON.

CROSSING OF WATER LINE OVER SANITARY SEWER OR STORM DRAIN
NOT TO SCALE



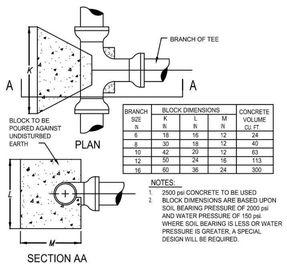
NOTE:
WHERE A 10' HORIZONTAL SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, THE VERTICAL CLEAR DISTANCE SHALL BE A MINIMUM OF 18" HOWEVER, AN EXCEPTION TO THE 10' MINIMUM HORIZONTAL SEPARATION REQUIRES SEPARATE APPROVAL OF THE APPROPRIATE COUNTY HEALTH DEPT.

SEPARATION OF WATER MAINS AND SEWERS - PARALLEL INSTALLATION
NOT TO SCALE



NOTES:
1. CONTRACTOR TO FURNISH AND INSTALL CORPORATION TAP, SERVICE LINE, AND CURB SHUT OFF VALVE AND VALVE BOX.
2. CONTRACTOR TO EXCAVATE, MAINTAIN, BACKFILL, AND RESTORE TRENCH FOR THE TAP, SERVICE LINE, AND CURB SHUT OFF VALVE.
3. CONTRACTOR TO TAKE OUT PERMIT, PAY FEE, AND TO FOLLOW ALL RULES AND REGULATIONS OF THE LOCAL UTILITY AGENCY.

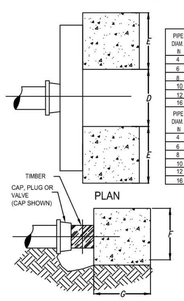
WATER SERVICE LINE LATERAL
NOT TO SCALE



BRANCH SIZE IN.	BLOCK DIMENSIONS K IN.	L IN.	M IN.	CONCRETE VOLUME CU. FT.
6	18	16	12	24
8	30	18	12	40
10	42	20	12	63
12	50	24	16	113
16	60	36	24	300

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.

TEES
NOT TO SCALE

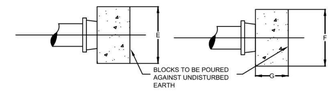


PIPE DIAM. IN	BLOCK DIMENSIONS E IN	F IN	G IN	CONCRETE VOLUME FT.
4	NONE REQUIRED			
6	12	12	12	20
8	16	16	16	46
10	20	20	20	93
12	24	24	24	160
16	32	32	32	380

PIPE DIAM. IN	TIMBER NO. BEAMS	NOM. SIZE	LENGTH IN	CLEARANCE D IN
4	NONE REQUIRED			
6	1	8"x8"	34	18
8	1	8"x8"	42	20
10	1	10"x10"	48	22
12	1	12"x12"	56	24
16	2	10"x10"	72	30

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. TIMBER TO BE DOUGLAS FIR CONSTRUCTION GRADE OR BETTER HORIZONTAL SHEAR 120 psi.
4. PROVIDE TAMPED BACKFILL AND/OR BLOCKING TO SUPPORT TIMBER.

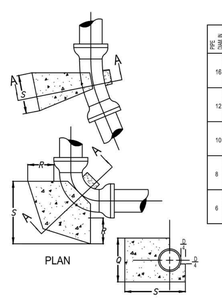
DEAD ENDS
NOT TO SCALE



NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.
3. FOR USE ON ABANDONED LINES AND DEAD ENDS WHERE NO EXTENSION IS CONTEMPLATED.

PIPE DIAM. IN	BLOCK DIMENSIONS E IN	F IN	G IN	CONCRETE VOLUME FT.
6	20	16	12	22
8	28	20	12	39
10	30	24	12	50
12	42	30	14	102
16	52	42	18	227

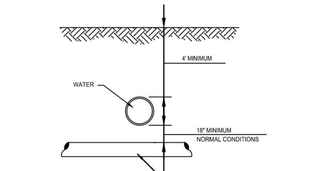
CAPS, PLUGS AND VALVES
NOT TO SCALE



PIPE DIAM. IN	BEND	S IN.	Q IN.	R IN.	CONCRETE VOLUME CU.FT.
16	90	48	48	48	640
	45	48	34	20	189
	22 1/2	42	20	18	88
	11 1/4				(3)
12	90	36	36	36	270
	45	36	24	18	90
	22 1/2	28	18	12	35
	11 1/4				(3)
10	90	30	30	30	156
	45	30	20	18	63
	22 1/2	22	16	12	24
	11 1/4				(3)
8	90	24	24	24	80
	45	24	16	12	27
	22 1/2	18	12	12	15
	11 1/4				(3)
6	90	18	18	18	34
	45	18	12	12	15
	22 1/2	12	12	12	10
	11 1/4				(3)

NOTES:
1. 2500 psi CONCRETE TO BE USED
2. BLOCK DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 2000 psi AND WATER PRESSURE OF 150 psi. WHERE SOIL BEARING IS LESS OR WATER PRESSURE IS GREATER, A SPECIAL DESIGN WILL BE REQUIRED.

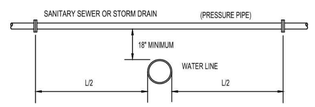
HORIZONTAL BENDS
NOT TO SCALE



UNUSUAL CONDITIONS

WATER MAINS PASSING UNDER SEWERS SHALL HAVE A VERTICAL CLEARANCE OF 18" MIN. BETWEEN THE SEWER AND WATER MAIN AND THE SEWER SHALL BE SUPPORTED AS DIRECTED BY THE ENGINEER. TO THE EXTENT FEASIBLE, JOINTS IN THE WATER MAIN SHALL BE KEPT AS FAR AS POSSIBLE FROM THE SEWER. WHERE AN 18" SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, SEPARATE APPROVAL OF THE HEALTH DEPARTMENT SHALL BE REQUIRED.

SEPARATION OF WATER MAINS AND SEWER CROSSINGS
NOT TO SCALE



NOTE:
WHERE WATER LINE PASSES BENEATH SEWER LINE OR STORM DRAIN, THE JOINTS OF THE PIPE SHALL BE A MIN. OF 10' FROM THE POINT OF CROSSING AND THE SANITARY SEWER SHALL BE CLASS 100 PRESSURE PIPE & THE STORM DRAIN SHALL BE DUCTILE IRON PIPE.

CROSSING OF WATER LINE UNDER SANITARY SEWER OR STORM DRAIN
NOT TO SCALE

(DETAIL EDITED PER MARK-UPS BY AQUARION ON JANUARY 30, 2015)

SEWER AND WATER CROSSING NOTES

1. SEWER JOINTS SHALL BE EQUIDISTANT FROM AND LOCATED AS FAR AS POSSIBLE AWAY FROM THE WATER LINE

2. IF THE VERTICAL SEPARATION BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE SEWER IS LESS THAN 18 INCHES (WATER MAIN IS ABOVE SEWER), USE ONE OF THE FOLLOWING PROCEDURES: A) THE WATER MAIN SHALL BE RECONSTRUCTED FOR A DISTANCE OF 10 FEET ON EACH SIDE OF SEWER WITH RUBBER-GASKETED MECHANICAL JOINT PIPE ONE FULL LENGTH WATER MAIN SHOULD BE CENTERED OVER SEWER, B) CONSTRUCT BOTH THE WATER & SEWER PIPE OF RUBBER-GASKETED, CEMENT-LINED DUCTILE IRON PIPE OR EQUIVALENT AND PRESSURE TEST BOTH PIPES, OR C) ENCASE THE SEWER PIPE IN CONCRETE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE WATER LINE CROSSING.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER

SEAL

STATE OF CONNECTICUT — CERTIFICATE NO. 24054 — LICENSED PROFESSIONAL ENGINEER

SCALE:
HORZ.: N.T.S.
VERT.:
DATUM:
HORZ.:
VERT.:
0
GRAPHIC SCALE

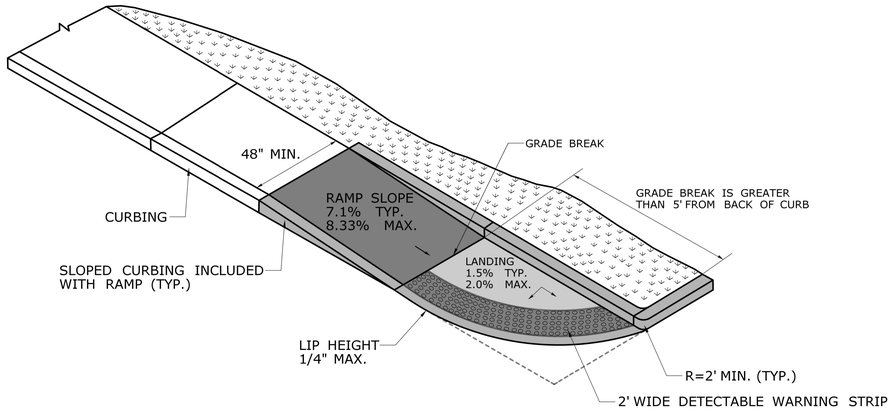
FUSS & O'NEILL
56 QUARRY ROAD
TRUMBULL, CONNECTICUT 06611
203.374.3748
www.fando.com

GREENWICH PUBLIC SCHOOLS
CONSTRUCTION DETAILS
(AQUARION DETAILS)
GHS CARDINAL STADIUM
PHASE 1 CONSTRUCTION DOCUMENTS
GREENWICH CONNECTICUT

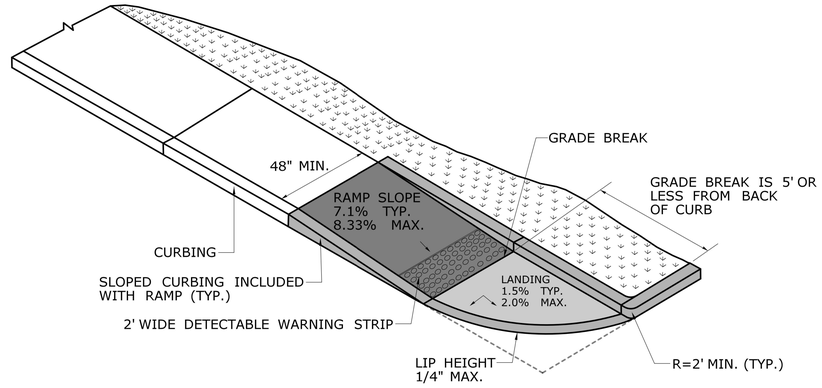
PROJ. No.: 20110944.S10
DATE: 11/10/2020

CD-506

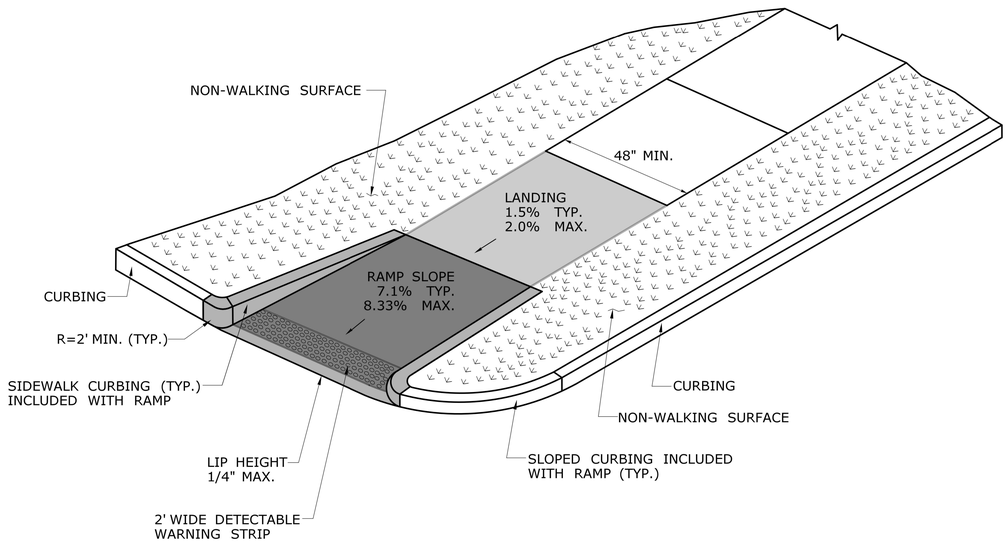
File Path: J:\DWG\P2011\20110944\S10\Civil\Plan\20110944S10_DET-01.dwg Layout: CD-506 (AQUARION) Plotted: Tue, April 20, 2021 - 3:54 PM User: tgriffing
MS VIEW: LAYER STATE:
Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 CTB File: FO.STB



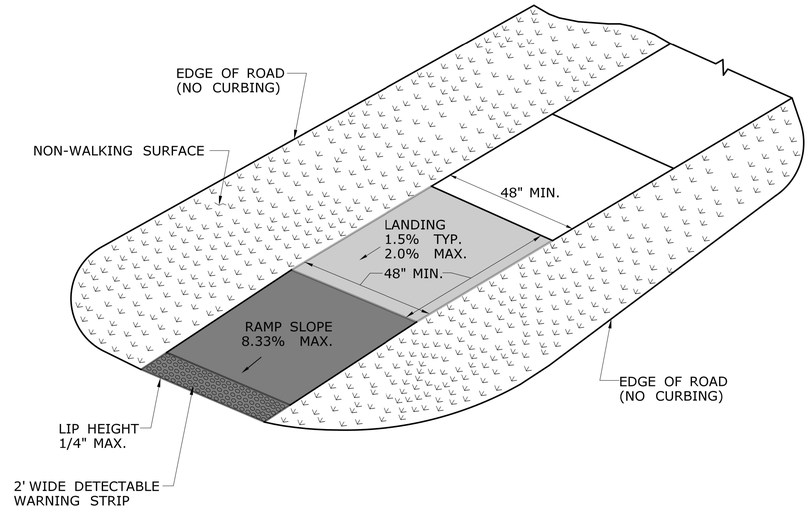
SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK GREATER THAN 5'
(TYPE 14)



SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK 5' OR LESS
(TYPE 15)



SINGLE DIRECTION - RETURN CURB
WITH NON-WALKING SURFACE
(TYPE 16)



SINGLE DIRECTION - NO CURB
WITH NON-WALKING SURFACE
(TYPE 17)

DESIGN INITIATED CHANGE ORDER NO. Y - mm/dd/yy

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 7/23/2020

DESIGNER/DRAFTER: -

CHECKED BY: -

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_HIGHWAY_GD [7-23-20].dgn

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY:

PROJECT TITLE: - - -

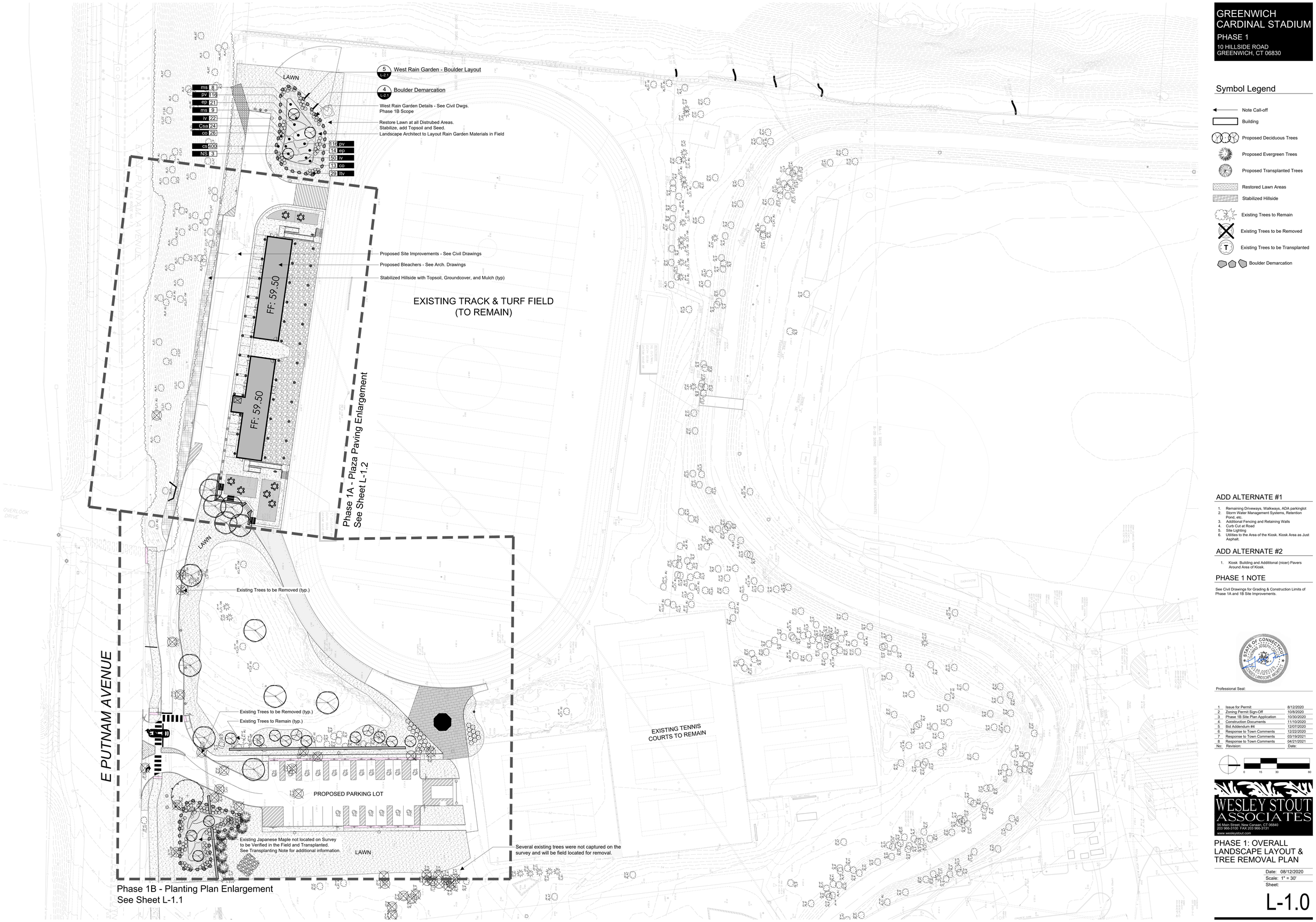
TOWN: - -

DRAWING TITLE: **CONCRETE SIDEWALK RAMPS SHEET 6**

PROJECT NO. -

DRAWING NO.

SHEET NO.



GREENWICH CARDINAL STADIUM

PHASE 1

10 HILLSIDE ROAD
GREENWICH, CT 06830

Symbol Legend

- Note Call-off
- Building
- Proposed Deciduous Trees
- Proposed Evergreen Trees
- Proposed Transplanted Trees
- Restored Lawn Areas
- Stabilized Hillside
- Existing Trees to Remain
- Existing Trees to be Removed
- Existing Trees to be Transplanted
- Boulder Demarcation

ADD ALTERNATE #1

1. Remaining Driveways, Walkways, ADA parkinglot
2. Storm Water Management Systems, Retention Pond, etc.
3. Additional Fencing and Retaining Walls
4. Curb Cut at Road
5. Site Lighting
6. Utilities to the Area of the Kiosk. Kiosk Area as Just Asphalt.

ADD ALTERNATE #2

1. Kiosk Building and Additional (nicer) Pavers Around Area of Kiosk.

PHASE 1 NOTE

See Civil Drawings for Grading & Construction Limits of Phase 1A and 1B Site Improvements.

Professional Seal:

No:	Revision:	Date:
1	Issue for Permit	8/12/2020
2	Zoning Permit Sign-Off	10/8/2020
3	Phase 1B Site Plan Application	10/30/2020
4	Construction Documents	11/10/2020
5	Bid Addendum #4	12/07/2020
6	Response to Town Comments	12/22/2020
7	Response to Town Comments	03/19/2021
8	Response to Town Comments	04/21/2021

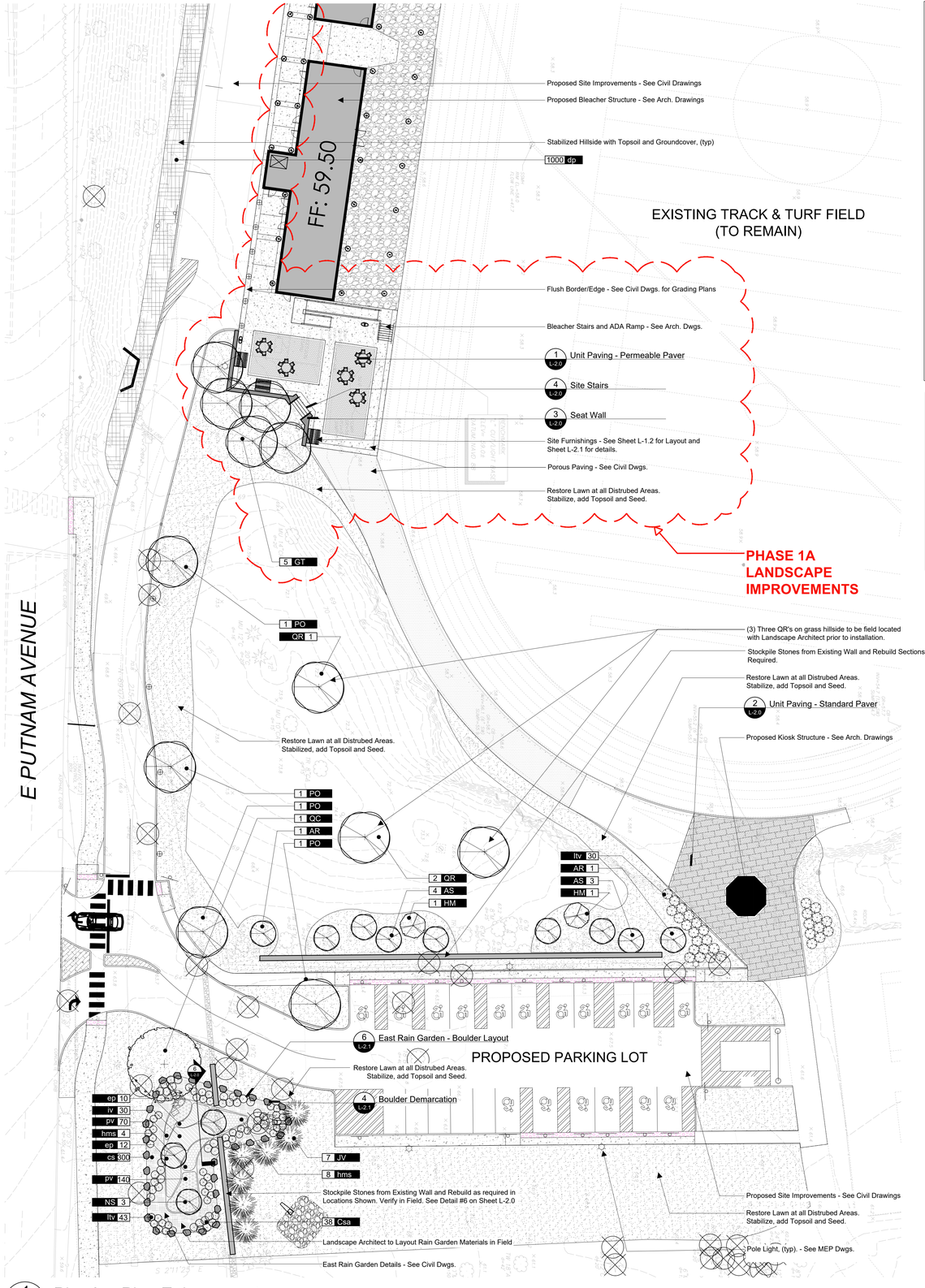
0 15 30 60

WESLEY STOUT ASSOCIATES
96 Main Street, New Canaan, CT 06840
203 966-3100 FAX 203 966-3131
www.wesleystout.com

PHASE 1: OVERALL LANDSCAPE LAYOUT & TREE REMOVAL PLAN

Date: 08/12/2020
Scale: 1" = 30'
Sheet:

L-1.0



1 L-1.1 Planting Plan Enlargement
Phase 1B

Scale: As noted

Proposed Planting Schedule

Trees

Qty.	Symbol	Botanical Name	Common Name	Size	Cond	Remarks
2	AR	*Acer rubrum*	Red Maple	3"-3.5" CAL.	B&B	Full, nicely shaped, matching specimen
7	AS	*Acer saccharum*	Sugar Maple	2.5"-3" CAL.	B&B	Full, nicely shaped, natural character
5	GT	*Gleditsia triacanthos* 'Christie'	Halka Honey Locust	3" - 3.5" CAL.	B&B	Full, nicely shaped, matching specimen
2	HM	Hamamelis virginana	Witchhazel	5'-6' HT.	B&B	Full, nicely shaped, natural character
7	JV	*Juniperus virginiana*	Eastern Red Cedar	8'-10' HT.	B&B	Full, nicely shaped, natural character (not sheared)
6	NS	*Nyssa slyvatica*	Sour Gum	2.5"-3" CAL.	B&B	Full, nicely shaped, matching specimen
4	PO	*Platanus occidentalis*	Sycamore	4"-4.5" CAL.	B&B	Full, nicely shaped, matching specimen
1	QC	*Quercus coccinea*	Scarlet Oak	5"-6" CAL.	B&B	Full, nicely shaped, specimen
3	QR	*Quercus rubra*	Red Oak	3"-3.5" CAL.	B&B	Full, nicely shaped, matching specimen

Shrubs

Qty.	Symbol	Botanical Name	Common Name	Size	Cond	Remarks
62	Csa	*Cornus alba*	Redtwig Dogwood	5 Gal.	CONT.	Full, heavy foliage, nicely shaped
102	ltv	*Itea virginica*	Virginia Sweetspire	5 Gal.	CONT.	Full, heavy flowers, nicely shaped

Rain Garden Planting

Qty.	Symbol	Botanical Name	Common Name	Size	Cond	Remarks
700	cs	*Carex stricta*	Tussock Sedge	2 QT.	CONT.	Full, well-rooted, planted 12" o.c.
39	co	*Chelone obliqua*	Red Turtlehead	1 Gal.	CONT.	Full, well-rooted, planted 18" o.c.
57	ep	*Eutrochium purpreum*	Joe-Pye Weed	1 Gal.	CONT.	Full, well-rooted, planted 24" o.c.
12	hms	*Hibiscus moscheutos*	Swamp Mallow	2 Gal.	CONT.	Full, well-rooted, planted 48" o.c.
102	iv	*Iris versicolor*	Northern Blueflag Iris	1 Gal.	CONT.	Full, well-rooted, planted 24" o.c.
17	ms	*Matteuccia struthiopteris*	Ostrich Fern	1 Gal.	CONT.	Full, well-rooted, planted 56" o.c.
442	pv	*Panicum virgatum*	Switchgrass	2 Gal.	CONT.	Full, well-rooted, planted 24" o.c.

Ground Cover

Qty.	Symbol	Botanical Name	Common Name	Size	Cond	Remarks
1,000	dp	*Dennstaedtia punctilobua*	Hay-scented Fern	4" Pots	CONT.	Full, well rooted, nicely shaped, planted @ 20" O.C.

Soil Chart

Post construction soil condition	Type of preparation
Good soil	Loosen existing soil
Compacted soil	Loosen existing soil, add composted organic matter to bring organic content to 5% dry weight
Clay content 5-35%	Loosen existing soil, add composted organic matter to bring organic content to 5% dry weight
Poor quality, heavy clay soil	Remove existing soil, add loam topsoil

Tree Planting Note

All proposed tree locations on this plan are approximate and may require the contractor to adjust in the field due to existing conditions.

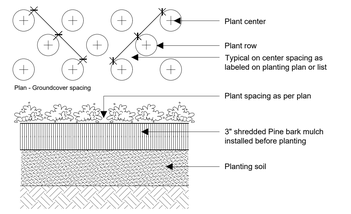
Transplanting Note

Coordinate Transplanitng of Existing Japanese Maple with Town of Greenwich Tree Warden and Parks & Recreation Department.

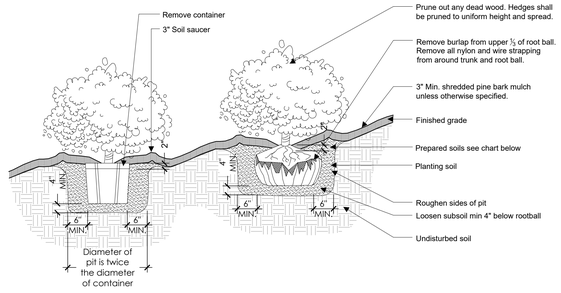
Contact Gossett Brothers Nursery @ 203-943-9945 or other approved large tree transplanting contractor.

Planting Notes

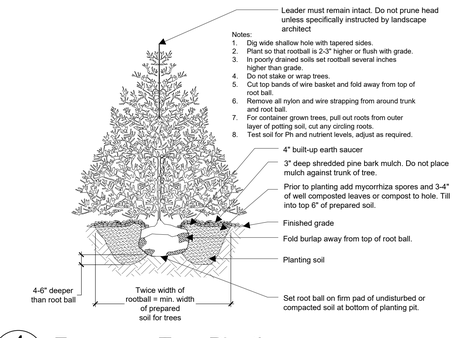
1. Be aware of all underground utilities prior to any planting operations. Contact "CALL BEFORE YOU DIG" prior to excavation.
2. All plantings are to be installed by a qualified landscape contractor.
3. The contractor shall be required to carry workmen's compensation insurance and comprehensive general liability insurance. Certificates will be required prior to signing contracts.
4. Notify owner or landscape architect 72 hours minimum in advance of starting planting operations. Receive approval for layout of all bed lines and material locations prior to installation.
5. The landscape architect reserves the right to reject inferior plant materials and substitutions. The landscape architect is willing to make two trips to suppliers to review and approve materials. Previously unapproved materials may be rejected at the site. Minimally, all materials will conform to the "American Standard for Nursery Stock" (ANSI Z60.1 - 2004) of the american association of nurserymen.
6. When there is a discrepancy between plant quantities shown on the plant list & the plan, use the quantities from the plant list.
7. Test soil for ph and nutrients, adjust as required and receive approval prior to planting.
8. Pit to be 2 times wider than root ball or widest spread of container or bare roots.
9. Set crown of root ball 2" above finished grade.
10. Do not add fertilizer to planting soil for fall plantings.
11. All plant material shall be guaranteed by the contractor to be in good, healthy and flourishing condition for a period of one year from the date of acceptance. The contractor shall replace, as soon as weather and seasonal conditions permit, all dead plants and all plants not in a vigorous, thriving condition, as determined by the landscape architect during, and at the end of the guarantee period. Warranty replacement will be provided at no cost to the owner and include materials and labor. Contractor is responsible for repair of any damage incurred during replacement of warranty materials. Warranty period to begin at the final approval of plantings by Landscape Architect and client. Contractor is responsible for maintaining the plant material until final approval is given. This will include watering the plants.



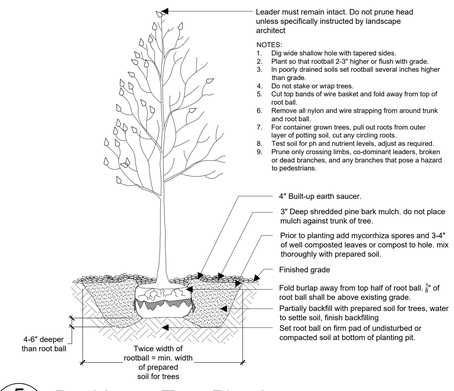
2 L-1.1 Groundcover Planting
Not to Scale



3 L-1.1 Shrub Planting
Not to Scale



4 L-1.1 Evergreen Tree Planting
Not to Scale



5 L-1.1 Deciduous Tree Planting
Not to Scale

GREENWICH
CARDINAL STADIUM
PHASE 1
10 HILLSIDE ROAD
GREENWICH, CT 06830

Symbol Legend

- Note Call-off
- Building
- Proposed Deciduous Trees
- Proposed Evergreen Trees
- Proposed Transplanted Trees
- Restored Lawn Areas
- Stabilized Hillside
- Existing Trees to Remain
- Existing Trees to be Removed
- Existing Trees to be Transplanted
- Boulder Demarcation

ADD ALTERNATE #1

1. Remaining Driveways, Walkways, ADA parkinglot
2. Storm Water Management Systems, Retention Pond, etc.
3. Additional Fencing and Retaining Walls
4. Curb Cut at Road
5. Site Lighting
6. Utilities to the Area of the Kiosk. Kiosk Area as Just Asphalt.

ADD ALTERNATE #2

1. Kiosk Building and Additonal (nicer) Pavers Around Area of Kiosk.

PHASE 1 NOTE

See Civil Drawings for Grading & Construction Limits of Phase 1A and 1B Site Improvements.

Professional Seal:

No:	Revision:	Date:
1	Issue for Permit	8/12/2020
2	Zoning Permit Sign-Off	10/8/2020
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4	Construction Documents	11/10/2020
5	Bid Addendum #4	12/07/2020
6	Response to Town Comments	12/22/2020
7	Response to Town Comments	03/19/2021
8	Response to Town Comments	04/21/2021

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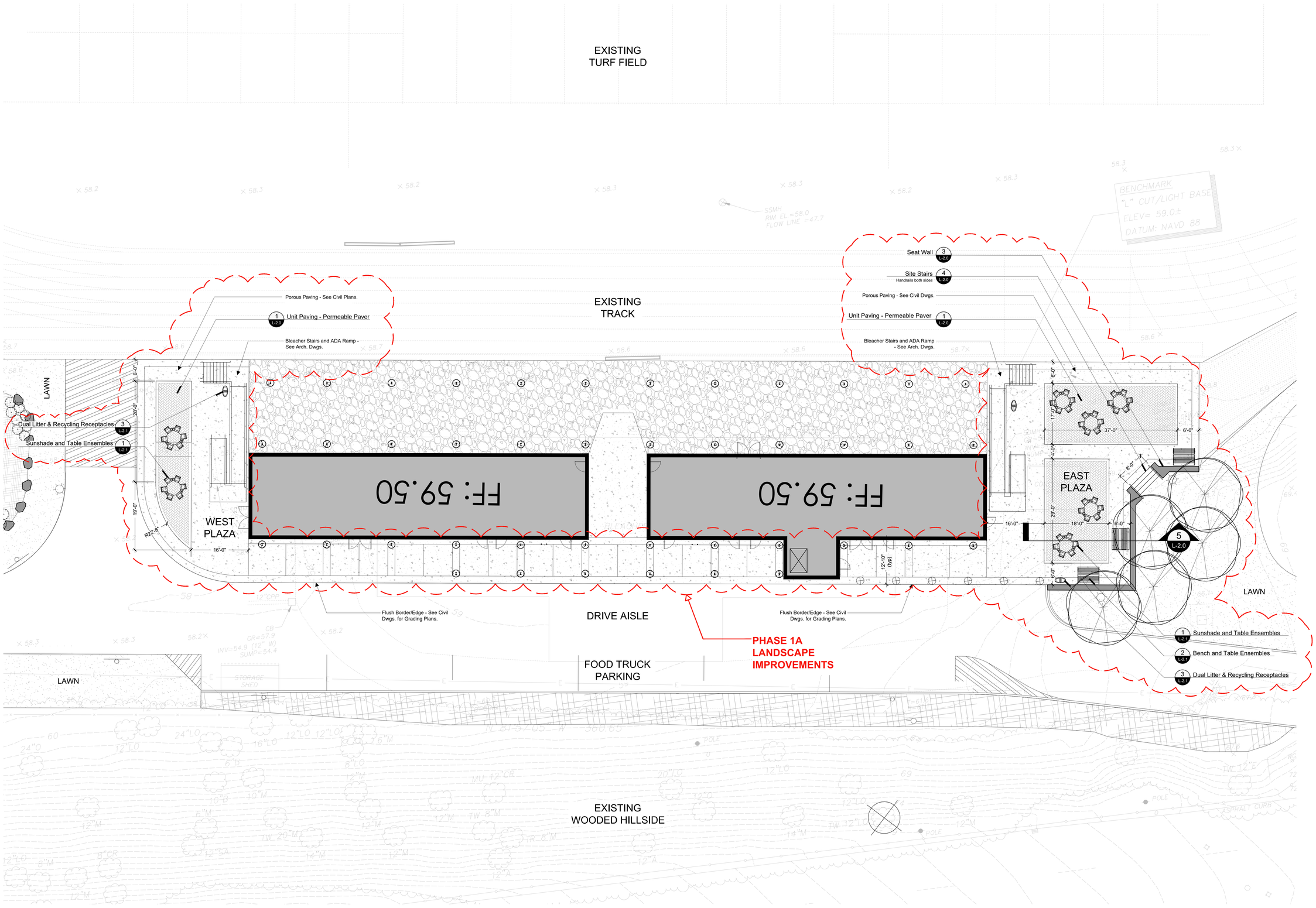
WESLEY STOUT ASSOCIATES
96 Main Street, New Canaan, CT. 06840
203 966-3100 FAX 203 966-3131
www.wesleystout.com

PHASE 1B: PLANTING PLAN ENLARGEMENT

Date: 08/12/2020
Scale: 1" = 20'
Sheet:

L-1.1



1 L-1.2 Plaza Paving Enlargement
Phase 1A

Scale: As noted

GREENWICH CARDINAL STADIUM
PHASE 1
10 HILLSIDE ROAD
GREENWICH, CT 06830

Symbol Legend

- Note Call-off
- Building
- Proposed Deciduous Trees
- Proposed Evergreen Trees
- Proposed Transplanted Trees
- Restored Lawn Areas
- Stabilized Hillside
- Existing Trees to Remain
- Existing Trees to be Removed
- Existing Trees to be Transplanted
- Boulder Demarcation

ADD ALTERNATE #1

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4. Curb Cut at Road
5. Site Lighting
6. Utilities to the Area of the Kiosk. Kiosk Area as Just Asphalt.

ADD ALTERNATE #2

1. Kiosk Building and Additional (nicer) Pavers Around Area of Kiosk.

PHASE 1 NOTE

See Civil Drawings for Grading & Construction Limits of Phase 1A and 1B Site Improvements.

Professional Seal:

No:	Revision:	Date:
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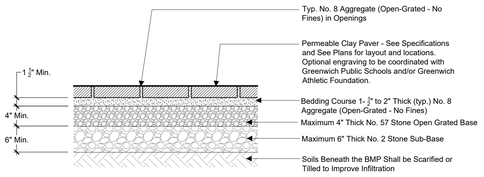
www.wesleystout.com

PHASE 1A: PLAZA PAVING ENLARGEMENT

Date: 08/12/2020
Scale: 1" = 10'
Sheet:

L-1.2

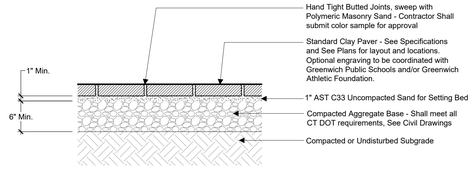


1 L-2.0 Unit Paving -Permeable Paver

Not to Scale

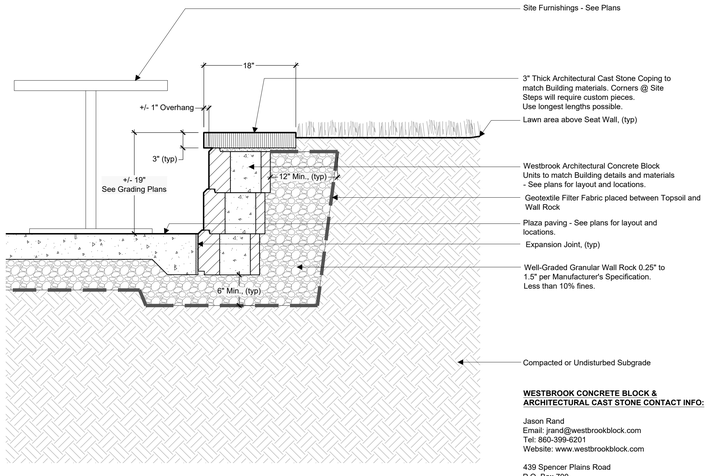


CLAY PAVERS - CHARACTER IMAGE



2 L-2.0 Unit Paving - Standard Paver

Not to Scale



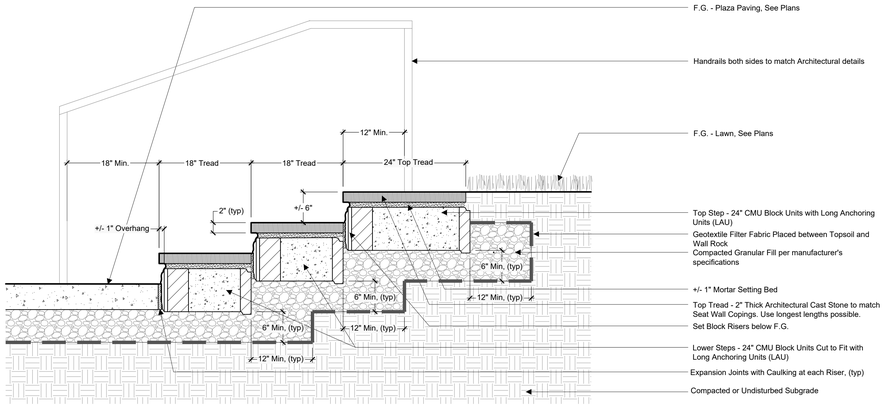
WESTBROOK CONCRETE BLOCK & ARCHITECTURAL CAST STONE CONTACT INFO:

Jason Rand
Email: jrand@westbrookblock.com
Tel: 860-399-6201
Website: www.westbrookblock.com

439 Spencer Plains Road
P.O. Box 700
Westbrook, CT 06498

3 L-2.0 Seat Wall

Scale: 1" = 1'



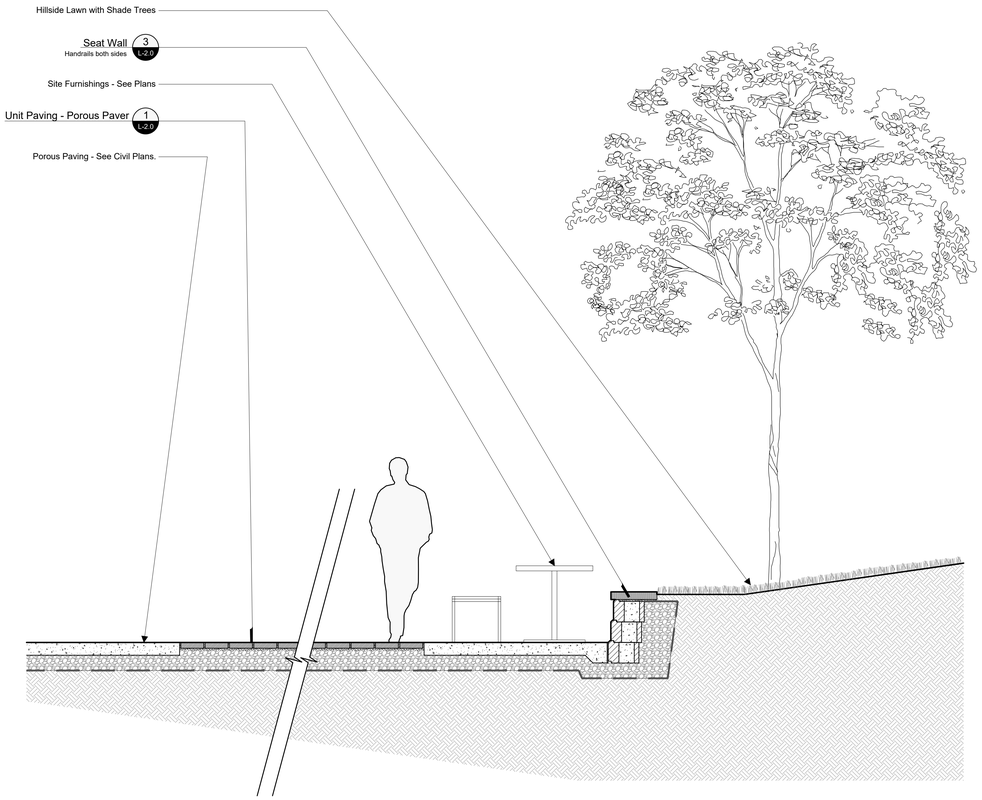
WESTBROOK CONCRETE BLOCK & ARCHITECTURAL CAST STONE CONTACT INFO:

Jason Rand
Email: jrand@westbrookblock.com
Tel: 860-399-6201
Website: www.westbrookblock.com

439 Spencer Plains Road
P.O. Box 700
Westbrook, CT 06498

4 L-2.0 Site Stairs

Not to Scale



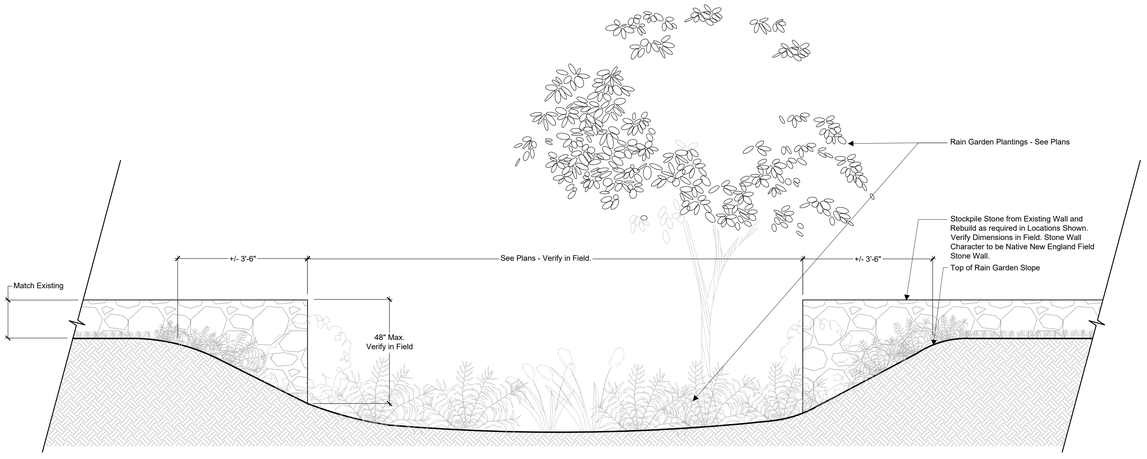
EAST PLAZA: PERMEABLE CONCRETE + PAVER PANELS

SEAT WALL WITH MOVABLE TABLES + CHAIRS

HILLSIDE LAWN + SHADE TREES

5 L-2.0 Plaza + Seat Wall Section

Not to Scale



Rain Garden - See Plans

6 L-2.0 Stone Walls @ Rain Garden

Not to Scale

GREENWICH CARDINAL STADIUM

PHASE 1

10 HILLSIDE ROAD
GREENWICH, CT 06830

ADD ALTERNATE #1

1. Remaining Driveways, Walkways, ADA parkinglot
2. Storm Water Management Systems, Retention Pond, etc.
3. Additional Fencing and Retaining Walls
4. Curb Cut at Road
5. Site Lighting
6. Utilities to the Area of the Kiosk. Kiosk Area as Just Asphalt.

ADD ALTERNATE #2

1. Kiosk Building and Additonal (nicer) Pavers Around Area of Kiosk.

PHASE 1 NOTE

See Civil Drawings for Grading & Construction Limits of Phase 1A and 1B Site Improvements.



Professional Seal:

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WESLEY STOUT ASSOCIATES
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203 966-3100 FAX 203 966-3131
www.wesleystout.com

PHASE 1: SITE DETAILS

Date: 08/12/2020
Scale: As noted
Sheet:

L-2.0

'Soleris' Sunshade with 'Tangent' Table Ensembles as manufactured and supplied by Forms + Surfaces. Contractor shall include 'Soleris' sunshades with 'Slat' perforation details, shade panels and frame color & finishes to be selected by L.A. Contractor shall include 6-seat backless 'Tangent' Table ensembles with aluminum slats, one table shall be ADA compliant and permit unhindered wheelchair access, tables shall include a center hole to receive sunshade, table top, frame and slat color & finishes to be selected by L.A., sunshade and table ensemble shall be freestanding and surface mounted to the concrete or pavers per manufacturer's installation guide. Contractor shall submit product cut sheets and manufactured shop drawings for approval by L.A. See plans for locations and layouts.

Quantity - 6 Standard Sunshade and Table Ensembles / 1 Sunshade and ADA Table Ensembles

Model Numbers / Description:
SUSOL-APT / Soleris Sunshade, for use with Forms + Surfaces ensembles, perforation detail
SETAN-6LA / Tangent Table ensemble, 6 backless seats, aluminum slats, umbrella hole and sleeve, one ADA compliant



1 L-2.1 Sunshade and Table Ensembles

NOT TO SCALE

'Knight' Table Ensembles as manufactured and supplied by Forms + Surfaces. Contractor shall include 'Knight' backless Benches and Table ensembles with aluminum slats, frame and slat color & finishes to be selected by L.A., table and bench ensemble shall be freestanding and surface mounted to the concrete or pavers per manufacturer's installation guide, table and bench ensembles shall be field located with L.A. so East Plaza Seat Wall acts as an additional seating option. Contractor shall submit product cut sheets and manufactured shop drawings for approval by L.A. See plans for locations and layouts.

Quantity - 3 Tables / 3 Standard Benches

Model Numbers / Description:
STKNI-72NA / Knight table ensemble with Backless benches, aluminum slats



2 L-2.1 Bench and Table Ensembles

NOT TO SCALE

'Axis' Dual Litter & Recycling Receptacles with 32 gallon liners as manufactured and supplied by Forms + Surfaces. Contractor shall include dual configuration receptacles with lid & base for both litter & recycling uses, Standard lid to be dark grey and recycling lid to be blue, include litter & recycling instructional graphics and text for each use, receptacles to be freestanding and surface mounted to concrete or pavers per manufacturer's installation guide, body color and finish to be selected by L.A. Contractor shall submit product cut sheets and manufactured shop drawings for approval by L.A. See plans for locations and layouts.

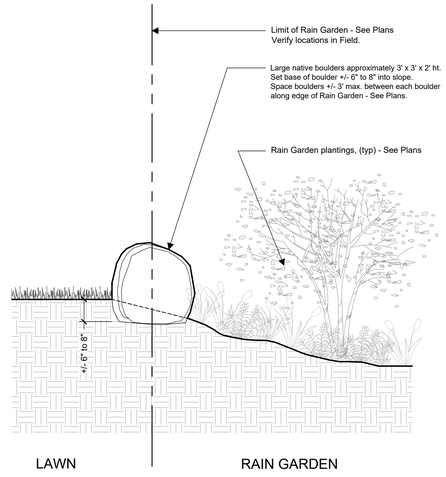
Quantity - 3 Litter Receptacles / 3 Recycling Receptacles

Model Numbers / Description:
SLAXIS-132 / Axis Receptacle, stainless steel, 32-gallon liner



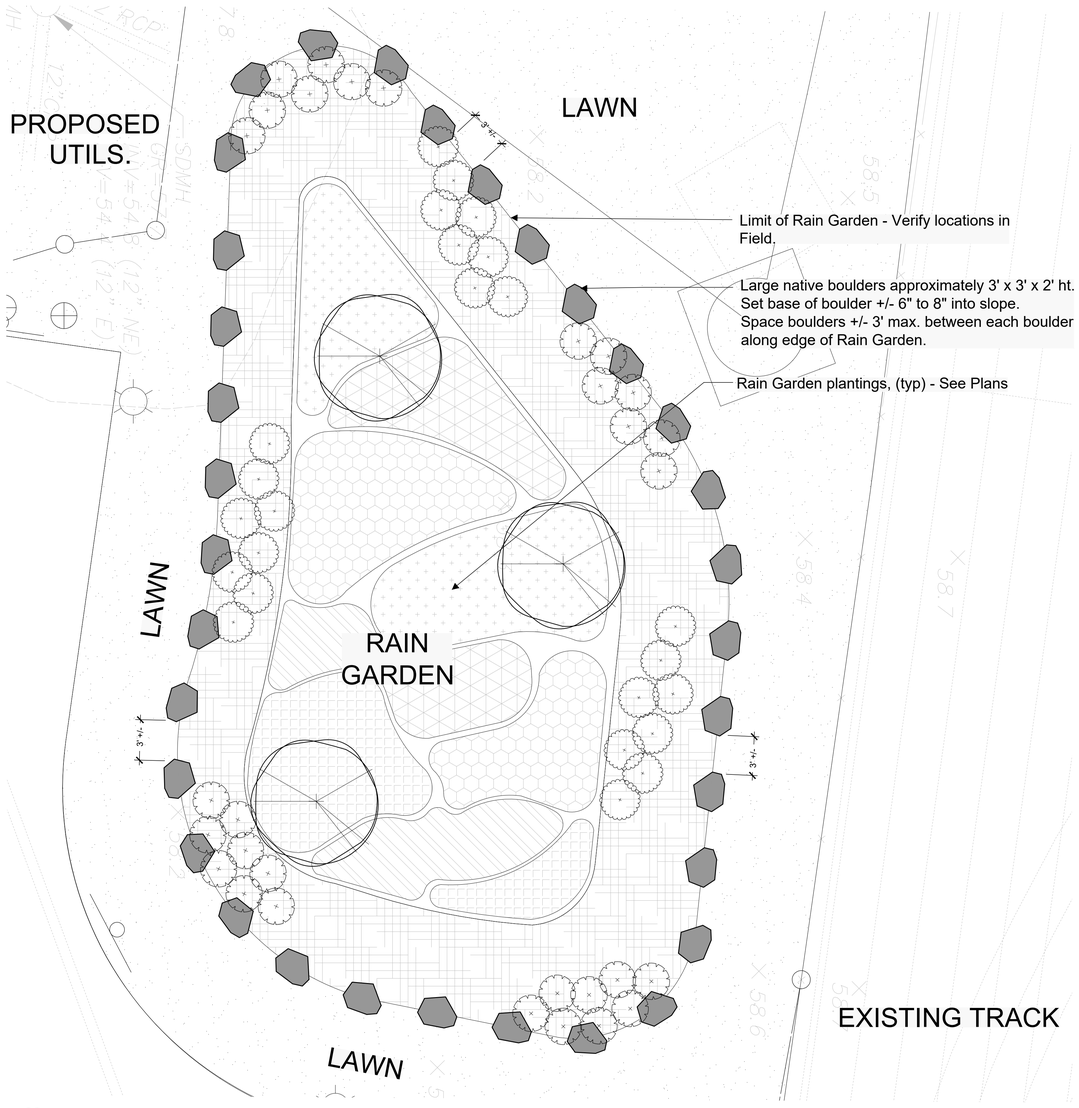
3 L-2.1 Dual Litter & Recycling Receptacles

NOT TO SCALE



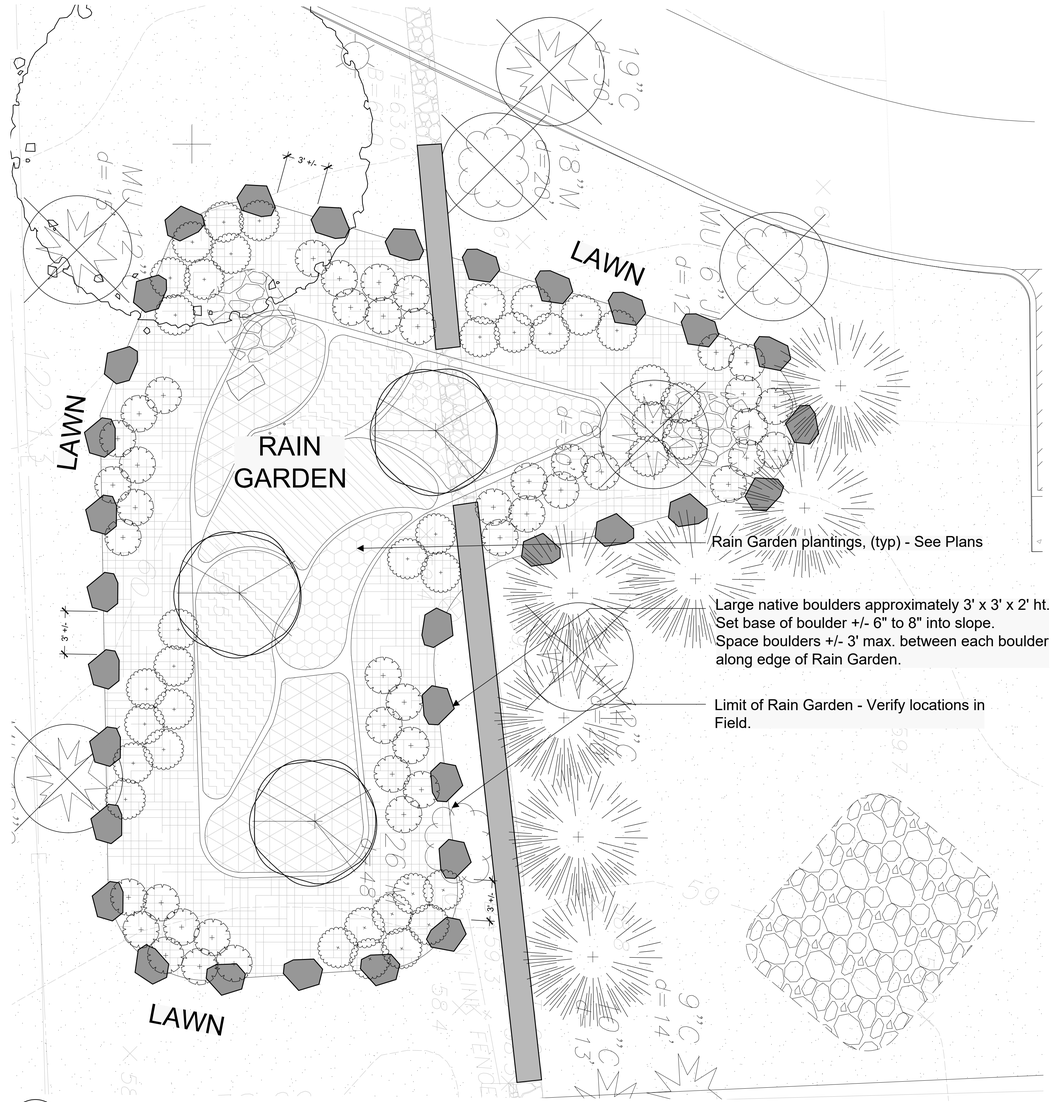
4 L-2.1 Boulder Demarcation

NOT TO SCALE



5 L-2.1 West Rain Garden - Boulder Layout

SCALE: 1" = 5'



6 L-2.1 East Rain Garden - Boulder Layout

SCALE: 1" = 5'

GREENWICH CARDINAL STADIUM

PHASE 1

10 HILLSIDE ROAD
GREENWICH, CT 06830

ADD ALTERNATE #1

1. Remaining Driveways, Walkways, ADA parkinglot
2. Storm Water Management Systems, Retention Pond, etc.
3. Additional Fencing and Retaining Walls
4. Curb Cut at Road
5. Site Lighting
6. Utilities to the Area of the Kiosk. Kiosk Area as Just Asphalt.

ADD ALTERNATE #2

1. Kiosk Building and Additonal (nicer) Pavers Around Area of Kiosk.

PHASE 1 NOTE

See Civil Drawings for Grading & Construction Limits of Phase 1A and 1B Site Improvements.



Professional Seal:

No:	Revision:	Date:
1	Issue for Permit	8/12/2020
2	Zoning Permit Sign-Off	10/8/2020
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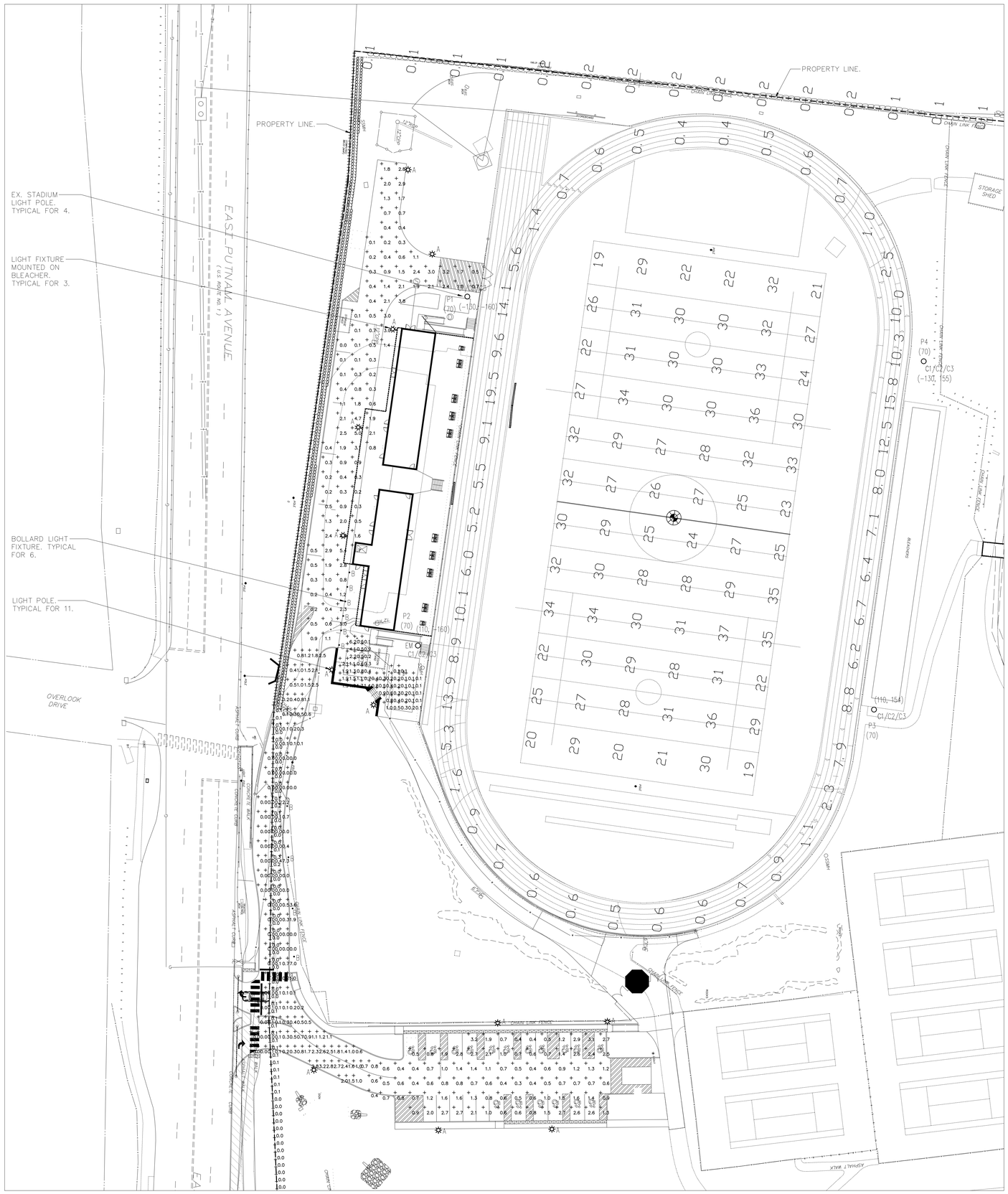
WESLEY STOUT ASSOCIATES
96 Main Street, New Canaan, CT 06840
203 966-3160. FAX 203 966-3131
www.wesleystout.com

PHASE 1: SITE DETAILS

Date: 08/12/2020
Scale: As noted
Sheet:

L-2.1



1 ELECTRICAL SITE LIGHTING PLAN
SCALE: 1" = 30'-0"

LIGHTING FIXTURE SCHEDULE

FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	REMARKS
A	CYCLONE LIGHTING	CY55P1B-FGC-3-40W-3K	(1) 45W LED	208V	POLE OR SURFACE	EXTERIOR POLE MOUNTED LIGHT FIXTURE WITH 16FT POLE. SURFACE MOUNTED FIXTURE AT 12FT AFF.
B	LITHONIA LIGHTING	RADB LED P4 30K SYM DBLXD	(1) 18.59W LED	120V	SURFACE	EXTERIOR BOLLARD WALKWAY LIGHT FIXTURE.
C1	CHM SPORTS LIGHTING	USR2-800-G-40-70-N4-1-GC-I	(1) 800W LED	120V	POLE	(1) TYPE C1, (1) TYPE C2 AND (6) TYPE C3 NEW FIXTURES TO BE MOUNTED ON EXISTING POLE. TYPICAL FOR EACH LOCATION.
C2		USR2-800-G-40-70-N3-1-GC-I	(1) 800W LED			
C3		USR2-800-G-40-70-N2-1-GC-I	(1) 800W LED			

NOTES:

1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.
2.) ALL DRIVERS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.
3.) ALL LIGHT FIXTURES TAGGED AS "EM" SHALL BE FED FROM AN EMERGENCY GENERATOR POWERED PANEL.

PARKING LOT/WALKWAY LIGHTING INFORMATION

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Concession Area	+	0.8 fc	6.2 fc	0.1 fc	62.0:1	8.0:1
HDCP/RES Parking Lot	+	1.3 fc	3.2 fc	0.3 fc	10.7:1	4.3:1
Property Line Tresspass Behind Bleachers	+	0.1 fc	0.1 fc	0.0 fc	N/A	N/A
Property Line Tresspass Lower	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
Roadway Behind Bleacher	+	1.3 fc	5.4 fc	0.0 fc	N/A	N/A
Roadway Lower	+	0.6 fc	7.3 fc	0.0 fc	N/A	N/A

Notes

1. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SUITABILITY AND SAFETY.
2. THIS PHOTOMETRICS LAYOUT WAS CALCULATED USING SPECIFIC CRITERIA, ANY DEVIATION FROM STATED PARAMETERS WILL AFFECT ACTUAL PERFORMANCE.
3. ALL QUANTITIES ARE BASED ON FIXTURES SHOWN IN THE LIGHTING CALCULATIONS ONLY.
4. THESE CALCULATIONS ARE BASED ON LISTED FIXTURES ONLY. SUBSTITUTION OF THESE FIXTURES VOIDS ALL CALCULATIONS.
5. ALL SUBSTITUTIONS REQUIRE NEW CALCULATIONS BASED ON THE FIXTURES SUPPLIED.
6. ACTUAL LIGHT LEVELS MAY VARY DUE TO ACTUAL FIXTURE LOCATIONS AND FIELD CONDITIONS.
7. ACUITY BRANDS LIGHTING RESERVES THE RIGHT TO WITHDRAW THESE CALCLATIONS FROM THE PUBLIC RECORD IF THE PRODUCT SPECIFIED ON THESE PLANS IS SUBSTITUTED.

FIELD LIGHTING INFORMATION

CALCULATION SUMMARY					
SCENE: GREENWICH HS					
LABEL	UNITS	AVG.	MAX.	MIN.	MAX/MIN
FOOTBALL	FC	28.3	37	19	2.0
SPILL LIGHT	FC	0.1	0.2	0.0	N/A
TRACK	FC	5.1	19.5	0.4	48.8

LUMINAIRE SUMMARY					
GRID	TYPE	CATALOG NUMBER	INITIAL LUMENS	LLF	Q'TY
ALL	C1	USR2800GXX70N4XGCI	89399	0.95	4
	C2	USR2800GXX70N3XGCI	91892	0.95	4
	C3	USR2800GXX70N2XGCI	92533	0.95	24
Total Luminaires					32

MOUNTING LOCATION SUMMARY							
MTG. LOC. LABEL (X, Y)	MTG. * HT. (FEET)	Q'TY PER LOC.	kW LOAD	TYPE			
				C1	C2	C3	E
P1 (-130, -160)	70.0	8	6.4	1	1	6	-
P2 (110, -160)	70.0	8	6.4	1	1	6	-
P3 (110, 154)	70.0	8	6.4	1	1	6	-
P4 (-130, 155)	70.0	8	6.4	1	1	6	-
TOTAL		32	25.6	4	4	24	-

* MOUNTING HEIGHTS MEASURED FROM PLAYING SURFACE
MTG. LOCATION(S) (X,Y) ARE RELATIVE TO 0,0 AT ⊕

NOTES: 1. DIMENSIONS ARE IN FEET & ORIGINATE FROM EACH FIELD'S ⊕
2. MOUNTING HEIGHT ( ) ABOVE PLAYING SURFACE

GREENWICH HIGH SCHOOL

GREENWICH HIGH SCHOOL CARDINAL STADIUM PHASE 1

Greenwich Public Schools

10 Hillside Road
Greenwich, CT 06830

KG+D ARCHITECTS, PC
285 MAIN STREET• MOUNT KISCO, NEW YORK 10549
P:914.666.5900 KGDARCHITECTS.COM

OLA Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800
12 East 49th Street, 11th Flr. New York, NY 10017
646.849.4110
olace.com P/N: NKGD0185.01

SITE PLAN APPLICATION

Key Plan

NOTE: ALL IDEAS, DESIGNS, ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE PROPERTY OF KAEYER, GARMENT & DAVIDSON ARCHITECTS, PC (KG+D), AND WERE CREATED FOR USE ON THIS PROJECT. NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF (KG+D).

WRITTEN DIMENSIONS ON THIS DRAWING SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY ALL ACTUAL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

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Professional Seal

STATE OF CONNECTICUT
NICHOLAS LEVITT
No. 17808
LICENSED PROFESSIONAL ENGINEER

No.	Date	Issue
3	04/21/21	RESPONSE TO TOWN COMMENTS
2	10/30/20	PHASE 1B SITE PLAN APPLICATION
1	04/24/20	SITE PLAN APPLICATION

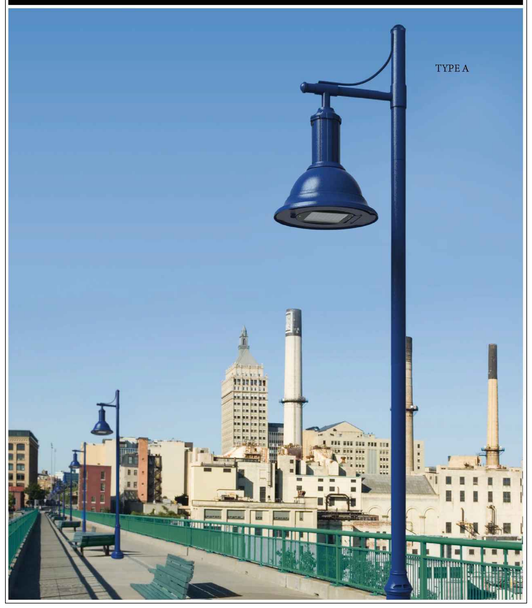
Sheet Title
ELECTRICAL SITE LIGHTING PLAN

Job No.	Date
NKGD0185.01	03/25/2020
Scale: AS NOTED	Drawn / Checked: NL/KS

Sheet Number
E100

Domia

cyclone



Pendant

CY55P1A/CY55P1B

Ordering Template

MODEL	LENS	DIST.	WATT	CCT	VOLT	ADAPTOR	OPTIONS	COLOR	TEXTURE	OP.FIN.
CY55P1A	FGC	2	20W	3K	120	NONE	NONE	BK	TX	MG
CY55P1B	FGF	3	40W	4K	208	ADV	PC[1]	MT	SM	
		3M	60W		240		PT[1,3]	DG		
		4	80W		277		PTL[1,3]	MA		
		5	100W		347		PTDR[1,3]	SI		
		2HS	120W		480		PX[1]	BZ		
		3HS	140W				PROG	BG		
		3MHS	160W[2]				SD	GM		
		4HS	200W					PG		
								WH		

[1]FOR CY55P1A ONLY
[2]FOR CY55P1B ONLY
[3]ONLY ONE OF THESE OPTION CAN BE CHOSEN

ORDERING CODE

References

LENS
- FGC FLAT GLASS CLEAR
- FGF FLAT GLASS FROST

DISTRIBUTION
- HS INTERNAL HOUSE SHIELD

SEE PHOTOMETRIC PAGE FOR DETAILS

CCT
- 3K 3000K
- 4K 4000K

WATT

SEE PHOTOMETRIC PAGE FOR LUMEN OUTPUT

ADAPTOR
- NONE FITS INTO Ø2" I.D. X MIN 4" LONG TENON
- ADV SELF-LEVELING, SIDE MOUNT ADAPTOR FITS ONTO Ø2 3/8" O.D. x MIN 6" LONG TENON

OPTIONS
- NONE NONE
- PC BUTTON-TYPE PHOTOCELL
- PT PHOTOCELL WIT-PIN RECEPTACLE (ANSI C136.41)
- PTL LONG LIFE PHOTOCELL WIT-PIN RECEPTACLE (ANSI C136.41)
- PTDR* 7-PIN RECEPTACLE (ANSI C136.41)
- PX SHORTING CAP WIT-PIN RECEPTACLE (ANSI C136.41)
- PROG* PROGAMMABLE DRIVER
- SD* FIELD ADJUSTABLE 10% INCREMENT STEP-DIMMING SWITCH

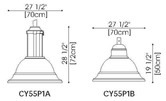
*CONTACT FACTORY FOR WIRELESS CONTROLS AND MORE INFORMATION REGARDING PROG AND SD OPTIONS

COLOR
- BK BLACK RAL9005
- MT METALLIC GRAPHITE TEXTURED ONLY (PROPRIETARY FORMULA)
- DG DARK GREEN RAL6012
- MA MARINE BLUE RAL5013
- SI METALLIC SILVER RAL9006 (SMOOTH ONLY)
- BZ DARK BRONZE RAL8019
- BG BURGUNDY RAL3005
- GM MOSS GREEN RAL6005
- PG PALE GREY RAL7040
- WH WHITE RAL9003

TEXTURE
- TX TEXTURED
- SM SMOOTH

OP.FIN. (OPTIONAL FINISH)
- MG MARINE GRADE PRE-FINISH

Luminaire



CY55P1A CY55P1B

Adaptors



ADV
(Self-Leveler)

cyclone
REV. 1: 12/16

RADEAN Bollard

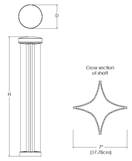
LED Site Luminaire



Catalog Number
Notes
Type B

Specifications

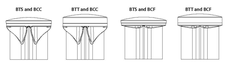
Diameter: D = 8.25" (20.96cm)
Height: H = 41.5" Standard (105.41cm)
Weight (max): 208lbs (9.07Kg)



Introduction

The Radean LED Bollard is an award-winning, energy-saving, long-life solution designed to perform the way a bollard should.

The Radean LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.



Ordering Information

EXAMPLE: RADB LED P4 30K SYM MVOLT BTS BCCDNATXD DBLXD

RADB LED	P4	27K	SYM	120			
Series	Performance Package	Color temperature	Distribution	Voltage	Control options	Ballard top (required)	
RADB LED	P1	27K 2700 K	ASY Asymmetric [2]	MVOLT [1]	Shipped installed	Slim Top	Tall Top
	P2	30K 3000 K	SYM Symmetric [1]	120	PE Photoelectric cell, button type [4]	BTS Slim top, painted to match shaft [5,6]	BTT Tall top painted to match shaft [5]
	P3	35K 3500 K		208 [1]	DMG 0-10V dimming driver (no controls)	BTSDWHXD Slim top, white [5,6]	BTTDBLBXD Tall top, black textured [6]
	P4	40K 4000 K		240 [1]	ETWH Emergency battery backup, Integral to Edition (EB-RADB01-L) [7]	BTSDBLBXD Slim top, black textured [5,6]	BTTDBLXD Tall top, black [6]
	P5	50K 5000 K		277 [1]		BTSDBLXD Slim top, black [5,6]	BTTDDBTXD Tall top, dark bronze textured [6]
				347 [1]		BTSDDBTXD Slim top, dark bronze textured [5,6]	BTTDDBXD Tall top, dark bronze [6]
				480	FAO Field adjustable output [3]	BTSDDBXD Slim top, dark bronze [5,6]	BTTDNATXD Tall top, natural aluminum textured [6]
					PIR Motion sensor (6-lead) [8,9,10]	BTSDNATXD Slim top, natural aluminum textured [5,6]	BTTDNATXD Tall top, natural aluminum textured [6]
						BTSDNAXD Slim top, natural aluminum [5,6]	BTTDWHXD Tall top, white textured [6]
						BTSDWHXD Slim top, white textured [5,6]	BTTDWHXD Tall top, white [6]

DBLXD

Bollard crown (required)		Other options	Finish (required)
Deep Crown	**Flat Crown**	HS[4,11] 24" overall height	DDBXD Dark bronze
BCC Deep crown, painted to match shaft [6]	BCF Flat crown, painted to match shaft [6]	HS6[11] 30" overall height	DBLXD Black
BCCDWHXD Deep crown, white [6]	BCFDBLBXD Flat crown, black textured [6]	HS6[12] 36" overall height	DNAXD Natural aluminum
BCCDBLXD Deep crown, black [6]	BCFDBLXD Flat crown, black [6]	L/AB Without anchor bolts	DWHXD White
BCCDBLBXD Deep crown, black textured [6]	BCFDDBTXD Flat crown, dark bronze textured [6]		DDBTXD Textured dark bronze
BCCDDBTXD Deep crown, dark bronze textured [6]	BCFDDBXD Flat crown, dark bronze [6]		DBLBXD Textured black
BCCDDBXD Deep crown, dark bronze [6]	BCFDNATXD Flat crown, natural aluminum textured [6]		DNATXD Textured natural aluminum
BCCDNATXD Deep crown, natural aluminum textured [6]	BCFDNAXD Flat crown, natural aluminum [6]		DWHXD Textured white
BCCDNAXD Deep crown, natural aluminum [6]	BCFDWHXD Flat crown, white textured [6]		
BCCDWHXD Deep crown, white textured [6]	BCFDWHXD Flat crown, white [6]		

Accessories

Ordered and shipped separately.

RADBABB U	Anchor bolts (4)	RATRADB BOBT (FINISH) U	Base cover with bolt caps
RADBABC DDBXD U	Replacement anchor bolt covers (specify finish) (4)	RATRADB EMTESTMAG U	Emergency test stylus

NOTES
1. PE only available in SYM distribution.
2. ASY has only two illuminated quadrants driven at higher drive currents to generate similar output as the SYM 4-quadrant product.
3. PIR not available with 208V or 240V.
4. PE only available with ASY.
5. PE, PIR and FAO not available with BTS.
6. ETWH and PIR only available in full height. Not available with HS4, H30 or H36.
7. PIR not available with ETWH.
8. Architectural and custom colors available (additional leadtimes and cost may apply).
9. 42" Height is standard. HS4, H30 and H36 have longer leadtimes.

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CHM SPORTS

Customer: Date: Type:
Project:

USR2

ETL FC

FEATURES

SECOND GENERATION GLARE CONTROL FLOOD.

The USR2 luminaire provides replacement of up to 2000W HID in a form factor that is smaller and lighter allowing safe and easy retrofit of existing systems. With standard diode level lenomal glare control, the USR2 provides a vast reduction in on and off field glare that is not available in any other product. Available in 400-800W versions, the USR2 is an extremely versatile sports lighter ideal for arenas, sporting complexes and professional stadiums.



- Industry Leading, Diode Level Glare Control
- Dim to Off Technology
- Controls Ready 12V Auxiliary
- Integral and Remote Driver Operation
- Standard Stainless-Steel Aiming Device
- Designed and Manufactured in Texas, USA

ORDERING GUIDE

EX: USR2-400-G-30-70-N2-1-GC-I

PRODUCT	WATTAGE	FINISH	CCT	CRI	OPTIC	INPUT VOLTAGE	OPTIC HOLDER	DRIVER
USR							GC	
USR2 2ND GEN USR	400 400W	G GREY	30 3000K	70 70	N2 NEMA 2	1 120V - 277V	GC GLARE CONTROL	I INTEGRAL
	600 600W	DB DARK BRONZE	40 4000K	80 80	N3 NEMA 3	2 347V - 480V		R REMOTE
	800 800W	C CUSTOM	50 5000K	90 90	N4 NEMA 4	R REMOTE		
			57 5700K					

VISOR	RECEPTACLE	FUSING	CONTROL	TUNING
NONE BLANK:	NONE BLANK:	NONE BLANK:	NONE BLANK:	NONE BLANK:
TV TOP VISOR	PC 7 PIN	F1 1 HOT LEG FUSE	DMX[9] DMX MODULE	PT[9] FACTORY TUNE
		F2 2 HOT LEG FUSE	WIL WILLUME WIRELESS CONTROLS	

1. Remote Driver option requires separate driver enclosure to be ordered separate from luminare. Various options are available or remote driver enclosure, contact factory for additional details
2. PT option allows factory reduction in drive current to meet project specific need. Contact factory for more details
3. Must be ordered with CHM remote driver enclosure (RDE). Input voltage and phasing to be specified on RDE.

SPECIFICATIONS AND DETAILS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION.
CONTACT CHM SPORTS LIGHTING FOR UP TO DATE DETAILS. CHM SPORTS LIGHTING IS A DIVISION OF CHM INDUSTRIES, INC.

REV 02 2020

Galaxy

LED ENGINE

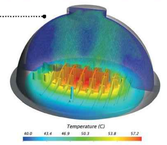
The Galaxy Light engine unit is a custom designed, modular system that combines state-of-the-art optics, LEDs and thermal management and is rigorously tested to ensure high performance and long life.



ROBUST DESIGN
- Sealed IP67
- Modular aluminum LED board with acrylic optic
- Die cast aluminum alloy heat sink with thermal interface
- Heat sink designed and tested for optimal thermal management performance in all weather from
- 40C/-40F to 50C/ 122F
- High Power LEDs with thermal and electric protection for stability and protects it from electrical surge.

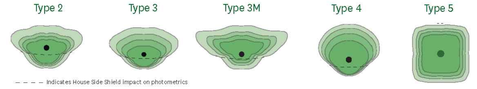
Computational Fluid Dynamics simulation

PERFORMANCE DRIVEN
- Modular design allows the GALAXY wattages ranging from 20 to 200W
- Equivalent to 50-400W HID with 60% energy saving
- GALAXY engines are tested & designed for a lifespan of over 100,000 hours
- Tested according to LM79 standard by recognize NVLAP independent laboratories



IES Distribution types

Cyclone Lighting offers optically engineered performance systems based on a series of acrylic injection molded lens of IES Roadway distribution types giving you the performance of a cobra head in a sleek decorative fixture.



— — — Indicates House Side Shield impact on photometrics



House Side Shield option
The HOUSE SIDE SHIELD (HS) give you a better back control for those LEED projects where light spill or light trespass are critical. This options can be added post installation.

Please consult website for latest IES files

cyclone
REV. 1: 12/16

Photometry

CY55P1B/SY21P1

SOURCE: LED 4000K ± 150K, 70 CRI minimum[1]
WATERPROOF RATING: IP67 optical system
Dark Sky friendly optical system
Data base on luminaire using FGC (Flat glass clear)

LED code definition:
2 - 20W - 4K
- Color temperature
- LED Wattage
- Optical distribution



Type 2

LED CODE	LUMEN OUTPUT	EFFICACY (LM/W)	WATTAGE LED	WATTAGE SYSTEM[2]	LED CURRENT (mA)	BUG RATING	HID EQUIVALENCY[3]
2-20W-4K	2491	113	20	22	350	B1-U0-G1	50W
2-40W-4K	4794	107	40	43	700	B1-U0-G1	70W
2-60W-4K	7260	108	60	67	700	B1-U0-G1	100W
2-80W-4K	9587	107	80	90	700	B2-U0-G1	150W
2-100W-4K	12087	108	100	113	700	B3-U0-G2	200W
2-120W-4K*	14556	108	120	135	700	B3-U0-G2	250W

Type 3

LED CODE	LUMEN OUTPUT	EFFICACY (LM/W)	WATTAGE LED	WATTAGE SYSTEM[2]	LED CURRENT (mA)	BUG RATING	HID EQUIVALENCY[3]
3-20W-4K	1589	117	20	22	350	B1-U0-G1	50W
3-40W-4K	4733	105	40	43	700	B1-U0-G1	70W
3-60W-4K	7171	107	60	67	700	B2-U0-G1	100W
3-80W-4K	9466	105	80	90	700	B2-U0-G2	150W
3-100W-4K	11904	106	100	113	700	B3-U0-G2	200W
3-150W-4K*	14343	106	120	135	700	B3-U0-G2	250W

Type 3M

LED CODE	LUMEN OUTPUT	EFFICACY (LM/W)	WATTAGE LED	WATTAGE SYSTEM[2]	LED CURRENT (mA)	BUG RATING	HID EQUIVALENCY[3]
3M-20W-4K	1305	108	20	22	350	B1-U0-G1	50W
3M-40W-4K	4195	94	40	43	700	B1-U0-G2	70W
3M-60W-4K	6403	96	60	67	700	B1-U0-G2	100W
3M-80W-4K	8402	94	80	90	700	B1-U0-G2	150W
3M-100W-4K	10629	96	100	113	700	B3-U0-G3	200W
3M-150W-4K*	12804	95	120	135	700	B3-U0-G3	250W

*For CY55P1B only
[1]IES-TM-21 Calculated L70 is over 363 000 hours.
IES-TM-21 Reported more than 54 000 hours.
[2]System wattage includes the LED and the Driver.
[3]Equivalency should always be verified by photometric layout.
*4000K used for testing, 3000K photometrics is available on website.

Note: Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Cyclone Lighting. Cyclone Lighting reserves the right to substitute materials or change the manufacturing process of its products without prior notification. See the latest results and updates on our website at www.cyclonelighting.com

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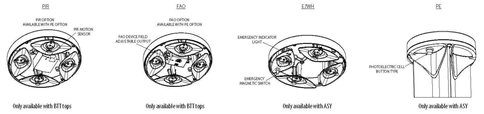
Options



Only available with BTT tops | Only available with BTT tops | Only available with ASY | Only available with ASY

Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 5% when operating between 120-480V +/-10%.

Performance Data
DNAXD Finish*

		2700K				3000K				3500K				4000K				5000K			
Light Engines	Performance Package	System Watts	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
Symmetric (4 light engines)	P1	5	345	0	1	0	66	362	0	1	0	69	370	0	1	0	71	380	0	1	0	73	382	0	1	0	73
	P2	8	644	0	1	0	81	677	0	1	0	85	692	0	1	0	87	711	0	1	0	89	713	0	1	0	89
	P3	13	1006	1	1	0	77	1058	1	1	0	81	1082	1	1	0	83	1112	1	1	0	85	1142	1	1	0	85
	P4	19	1460	1	1	0	79	1534	1	1	0	83	1568	1	1	0	84	1610	1	1	0	87	1616	1	1	0	87
	P5	32	2314	1	1	0	72	2430	1	1	0	75	2484	1	1	0	77	2551	1	1	0	79	2561	1	1	0	79
Symmetric (2 light engines)	P1	5	312	0	1	0	60	328	0	1	0	63	335	0	1	0	64	344	0	1	0	66	346	0	1	0	66
	P2	8	584	0	1	0	73	613	0	1	0	77	627	0	1	0	79	644	0	1	0	81	646	0	1	0	81
	P3	13	908	0	1	0	70	963	0	1	0	73	1007	0	1	0	75	1035	0	1	0	77	1038	0	1	0	77
	P4	19	1322	0	1	0	71	1390	0	1	0	73	1420	0	1	0	74	1459	0	1	0	76	1464	0	1	0	79

*Note: Lumen output varies based on finish. Silver color shown, for black (worst) or white (best) photometry, see specific photometric files downloadable from www.acuitybrands.com

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **ZPC ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate L27, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

	Projected LED Lumen Maintenance			
	25,000	50,000	75,000	100,000
P1	0.94	0.89	0.85	0.80
P2	0.94	0.89	0.85	0.80
P3	0.94	0.89	0.85	0.80
P4	0.94	0.89	0.85	0.80
P5	0.94	0.89	0.85	0.80

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average temperatures from 0-40°C (32-104°F).

Ambient	LAT Factor
0	1.04
5	1.03
10	1.02
15	1.01
20	1.01
25	1.00
30	0.99
35	0.99
40	0.98

Electrical Load

			Current (Amp)						Current (Amp)	
	Watts @ 120V (W)	Watts @ 277V (W)	@ 120V (A)	@ 208V (A)	@ 240V (A)	@ 277V (A)	Watts @ 347V	Watts @ 480V	@ 347V (A)	@ 480V
P1-ST	5		0.0405	0.0239	0.0216	0.0202	19	19	0.0543	0.0139
P2-ST	9		0.0751	0.0471	0.0429	0.0399	14	14	0.0358	0.0264
P3-ST	14		0.1167	0.0699	0.0623	0.0571	18	18	0.0671	0.0441
P4-ST	19		0.1566	0.0926	0.0819	0.0735	23	23	0.0709	0.0533
P1-DM	5	6	0.0444	0.0303	0.0279	0.0265	9	9	0.0341	0.0219
P2-DM	9	10	0.0814	0.0461	0.0421	0.0391	12	12	0.0332	0.0342
P3-DM	13	14	0.112	0.067	0.0598	0.0544	15	15	0.0502	0.0425
P4-DM	18	19	0.1535	0.0902	0.0796	0.0713	22	22	0.0691	0.0499
P5-DM	31	31	0.2597	0.1527	0.1326	0.1169	35	36	0.1079	0.079

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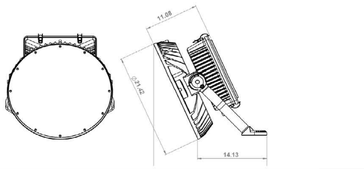
CHM SPORTS

USR2

SECOND GENERATION GLARE CONTROL FLOOD

DIMENSIONS



SPECIFICATIONS

GENERAL DESCRIPTION

The complete luminaire is ETL/cETL Listed in conformance to standards ANSI/UL1598 and CSA22.2 No. 250.0 with an ambient temperature rating of 40C and is suitable for wet locations. The complete assembly is designed to fit within the same packaging dimensions and weight less than previous HID technology permitting safe, easy and straightforward retrofit of existing installations. All critical components are easily replaced with commercially available, off-the-shelf components within the toolless entry driver housing including the driver, surge protective device (SPD) and control units. Thermal management of the LED, drivers and internal components is passive in design and does not utilize any active methods of cooling. With high beam efficiency and available peak candela greater than 900,000, the USR2 is ideal for sporting venues, aprons and general outdoor lighting applications. Every USR2 comes standard with a stainless-steel aiming device for easy target aiming in the field and a high visibility label on the glass that indicates the photometric distribution of the luminaire that is visible from the playing surface. The USR2 is available pre-wired and pre-aimed as part of a complete sports lighting system from CHM Sports.

HOUSING

The complete housing assembly is precision, heavy duty die cast aluminum with a rugged power coat finish that has a salt spray rating of2,500 hours per ASTM-B117. The driver housing cover utilizes (4) stainless steel draw latches to secure the cover to the driver housing which permits toolless entry even while wearing work gloves. The integral driver housing cover includes a stainless-steel leash that attaches the cover to the driver housing such that the cover cannot be lost, damaged or dropped during service. Each driver is secured to the housing using a sliding, aluminum driver clip which permit replacement of the driver without having to remove any fasteners thereby eliminating the risk of dropping hardware during service. The remote specification unit includes a gasketed and powder coated wiring junction box that provide simple access to the wiring compartment without having to open the LED housing.

ELECTRICAL SYSTEM

In Integral specification, the unit includes (2) premium, IP67 rated drivers powering 50% of the LED array which provides redundancy to the luminaire wherein a driver failure will only extinguish half the luminaire. Each driver includes integral transient surge protection in accordance with IEEE C62.41 6kV/4kV. The LED drivers have a minimum power factor of 0.95 with a Total Harmonic Distortion no greater than 20%.The drivers come standard with dim-to-off technology and 12V auxiliary output that can be used to power secondary sensors or controls installed in the future or at the factory. All drivers utilized by the USR2 are constant current in design where the output current to the LED is precisely controlled for predictable and accurate light output, while the output voltage is automatically adjusted to compensate for operating temperature of the diode and driver.to LED distance.In remote specification, the unit also includes a secondary surge protection device(SPD) that is fully tested, IP66 rated and UL1449 Listed. The SPD provides a maximum discharge current of 20KA and meets ANSI/IEEE62.77-5-2015C High C, ANSI C136.2-2015Extreme Level and IEEE C62.41.2 Location C High, In remote specification, the unit is provided with a factory wired, die cast aluminum housing with pre-wired and labeled landing terminals for DC input from a CHM Remote Driver Enclosure(RDE).

LED ASSEMBLY

Each LED is provided with a precision cast, TIR optical constructed of PMMA. Standard internal glare control optic holders block unwanted glare in all viewing angles to improve comfort for players and spectators. The glare control is provided in a flat black finish to absorb, rather than reflect, spill light thereby eliminating secondary glare. The LED array is comprised of (4) metal core printed circuits boards (MCPCB)that provide redundancy to the overall system such that failure of one PCB will not extinguish the other PCBs in the system. The USR2 uses high performance graphite thermal interface material (TIM) that provides high thermal conductivity while allowing for easy field replacement without having to clean or scrape the heat sink. Wiring connection to the PCB is via a poke-in connector that allows easy removal and replacement of the LED modules without the need to solder or sallie. The entire LED housing is enclosed with an anti-reflective coated,4mm thick high-performance glass utilizing silicon gaskets on glass technology. This allows straight-forward removal of the glass in the field and easy replacement of the lens. The LED housing includes (2) IP68 rated breather vents that allow the pressure inside the LED housing to stabilize during normal heating cooling cycles. This technology extends the life of the gaskets utilized in the system and thereby extends the life of the unit. Utilizing (2) breathers allows for proper circulation of air throughout the system but prohibits ingress of water or particles into the assembly. The breather vents are installed under the trunnion mount casting and are completely shielded from UV exposure,rain and sprayed water. The entire assembly is IP67 rated. The LED utilized is a high power, ceramic base LED which is suitable for outdoor, harsh environments. All stated CRI values for the USR2are listed as minimums. The typical CRI, in most instances, will be 2 to 5 points higher than the published minimum. To ensure long lifeminimal lumen depreciation, high efficacy and cooler operating temperatures the 600W unit utilizes a LED drive current of 750mA, the 600Wunit operates at 575mA and the 400W unit operates at a mere 400mA.

WARRANTY

The entire product is covered by a minimum five (5) year limited fixture warranty. Supplementary warranty coverage is provided when supplied as part of a complete lighting solution from CHM. Longer term warranties are available, contact CHM Sports for additional details

GREENWICH HIGH SCHOOL

GREENWICH HIGH SCHOOL CARDINAL STADIUM PHASE 1

Greenwich Public Schools

10 Hillside Road
Greenwich, CT 06830

KG+D listen imagine build
KG+D ARCHITECTS, PC
285 MAIN STREET• MOUNT KISCO, NEW YORK 10549
P:914.666.5900 KGDARCHITECTS.COM

SITE PLAN APPLICATION

OLA CONSULTING ENGINEERS
Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800
12 East 49th Street, 11th Flr.
New York, NY 10017
646.849.4110
olace.com P/N: NKGD0185.01

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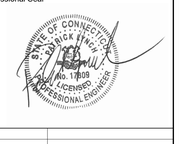

No.	Date	Issue
3	04/21/21	RESPONSE TO TOWN COMMENTS
2	10/30/20	PHASE 1B SITE PLAN APPLICATION
1	04/24/20	SITE PLAN APPLICATION

Sheet Title

ELECTRICAL LIGHTING CUTS

Job No.	Date
NKGD0185.01	03/25/2020
Scale	Drawn / Checked
AS NOTED	NL / KS

Sheet Number

E101

USR2

SECOND GENERATION GLARE CONTROL FLOOD

CHM SPORTS

SUPPLEMENTARY

STRUCTURAL LOADING			ELECTRICAL LOADING							
DRIVER TYPE	WEIGHT	EPA	OUTPUT	LINE WATTS	120V AMPS	208V AMPS	240V AMPS	277V AMPS	347V AMPS	480V AMPS
INTEGRAL	60	3.0	400	433	3.6	2.1	1.8	1.6	1.25	0.90
REMOTE	40	3.0	600	640	5.3	3.0	2.7	2.3	1.84	1.33
			800	860	7.3	4.2	3.7	3.2	2.5	1.83

4000K 70 CRI MIN PERFORMANCE						
DISTRIBUTION	800W		500W		400W	
	OUTPUT	LPW	OUTPUT	LPW	OUTPUT	LPW
N2	92,533	108	74,649	117	55,520	128
N3	91,892	107	74,331	116	55,135	127
N4	89,399	104	72,314	113	53,638	124

NOTE

To determine output at various CCT and CRI combinations, multiply 4000K 70 CRI output above by the corresponding LDCF from that table to the right. When utilizing CHM...ies files, include the LDCF as an additional light loss factory to properly model the specific CCT/CRI desired.

LUMEN OUTPUT CORRECTION FACTOR (LOCF)		
CCT	CRI	LOCF
3000K	70CRI	0.87
3000K	80CRI	0.80
4000K	70CRI	1.00
4000K	80CRI	0.88
5000K	70CRI	1.00
5000K	80CRI	0.88
5700K	70CRI	1.00
5700K	80CRI	0.88
5700K	90CRI	0.75

GREENWICH HIGH SCHOOL

GREENWICH HIGH SCHOOL CARDINAL STADIUM PHASE 1

Greenwich Public Schools

10 Hillside Road
Greenwich, CT 06830

KG+D listen imagine build

KG+D ARCHITECTS, PC
285 MAIN STREET• MOUNT KISCO, NEW YORK 10549
P:914.666.5900 KGDARCHITECTS.COM

SITE PLAN APPLICATION

OLA CONSULTING ENGINEERS

OLA Consulting Engineers
50 Broadway, Hawthorne, New York 10532
914.747.2800

12 East 49th Street, 11th Flr.
New York, NY 10017
646.849.4110

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No.	Date	Issue
3	04/21/21	RESPONSE TO TOWN COMMENTS
2	10/30/20	PHASE 1B SITE PLAN APPLICATION
1	04/24/20	SITE PLAN APPLICATION

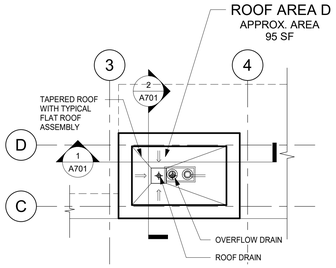
Sheet Title

ELECTRICAL CUT SHEETS

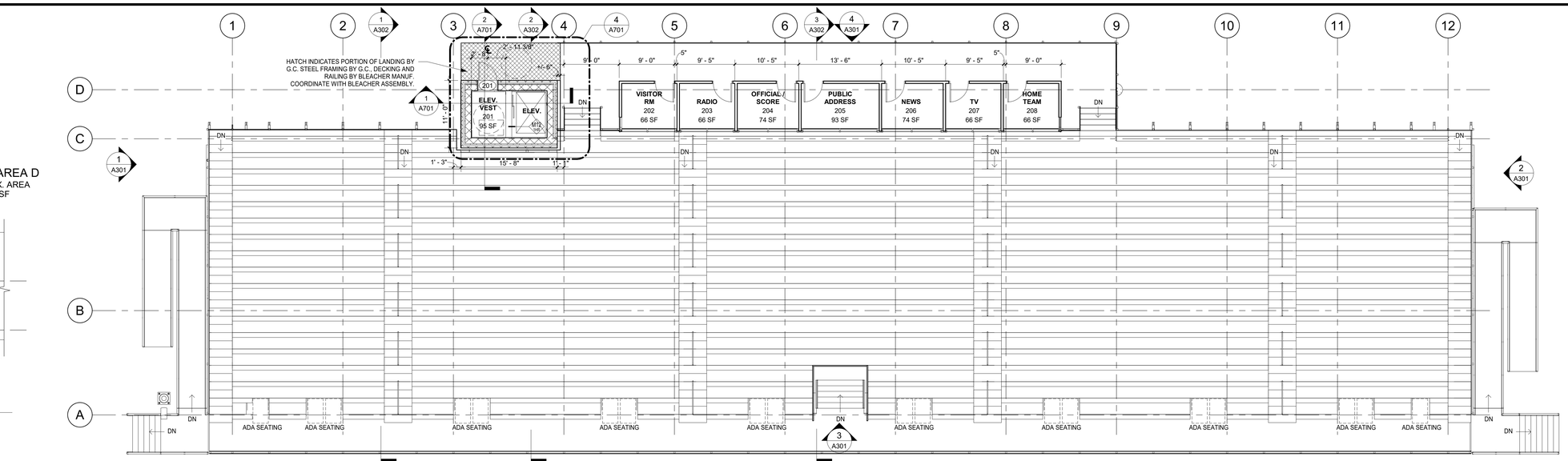
Job No.	Date
NKGD0185.01	03/25/2020
Scale	Drawn / Checked
AS NOTED	NL / KS

Sheet Number

E102



4 ELEVATOR ROOF PLAN
1/8" = 1'-0"



3 PRESSBOX FLOOR PLAN
1/8" = 1'-0"

ROOF NOTES

1 DIMENSIONS AND CONDITIONS ON THE ROOF PLAN AND DETAILS ARE APPROXIMATE AND SHALL BE CONFIRMED BY THE CONTRACTOR. ONLY CERTAIN FASTENERS ARE SHOWN ON THE DWGS., REFER TO THE SPECIFICATIONS FOR ADDITIONAL FASTNERS REQUIREMENTS.

2 PERFORM WHATEVER WORK IS REQUIRED SO THE DRAIN LINES ARE CLEAN, CLEAR AND FREE FLOWING CONDITION AT THE COMPLETION OF THE PROJECT.

3 SET CONDUIT AND PIPES ON 1x1 FOOT x 2 INCH THICK CONCRETE PAVERS SET ON WALKWAY PADS SPACES 5 FEET ON CENTER. SECURE CONDUITS AND PIPES TO THE PAVERS WITH GALVANIZED CLIPS AND STAINLESS STEEL NAIL-INS.

4 SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

5 R-VALUE REQUIRED TO MEET 2018 STATE BUILDING CODE ICC ENERGY CONSERVATION CODE TABLE C402..2, CLIMATE ZONE 5A CONTINUOUS INSULATION ENTIRELY ABOVE DECK, R=30.

6 TAPERED POLYISO INSULATION SHALL SLOPE 1/4" PER FOOT ON NEW ROOFS, MINIMUM STARTING THICKNESS SHALL BE 5" UNLESS OTHERWISE SHOWN.

7 INSTALL 1/4" THICK COVER BOARD OVER ALL POLYISO INSULATION.

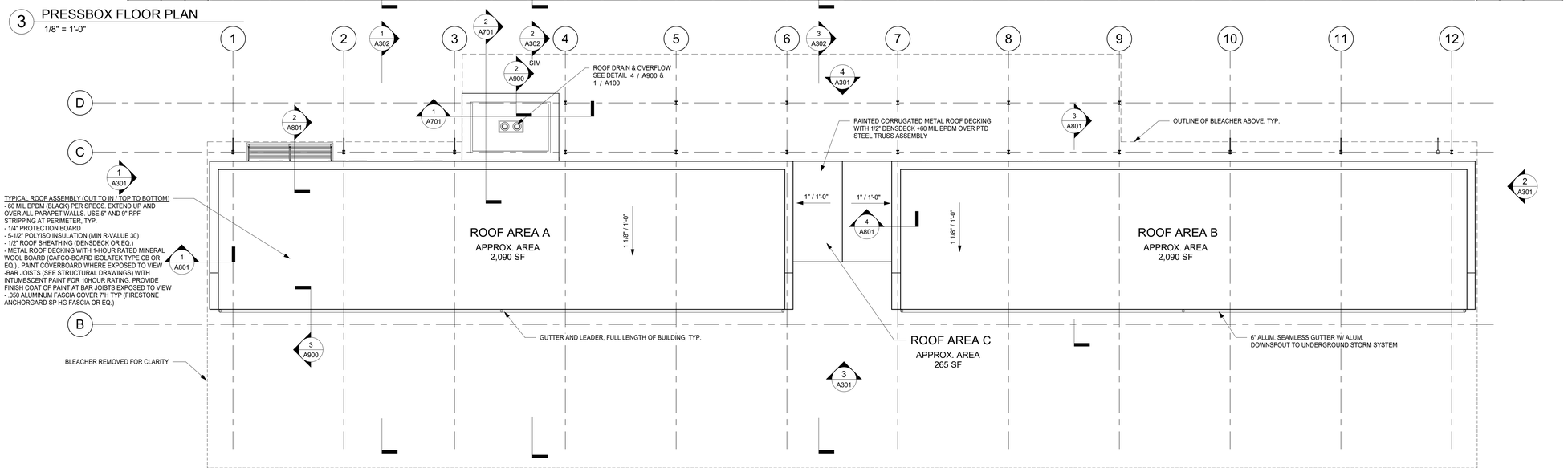
ROOF PROTECTION NOTES

1 DO NOT STORE MATERIAL OR EQUIPMENT, AND DO NOT PILE DEBRIS ON ROOF AREAS.

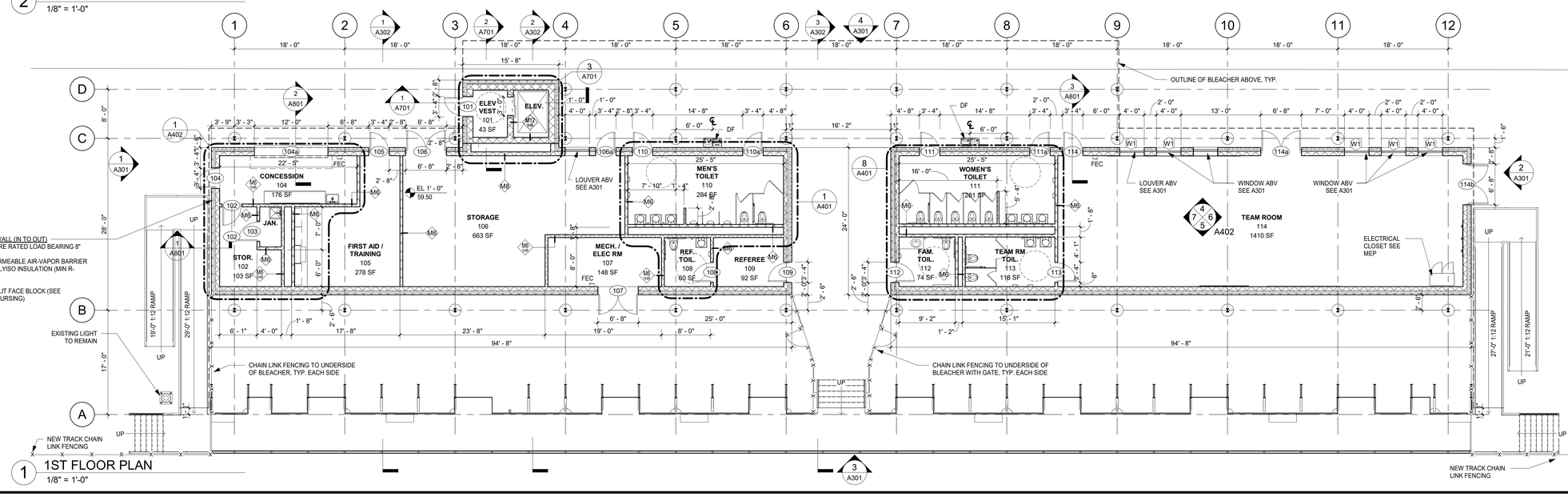
2 INSTALL 1 INCH THICK EXTRUDED POLYSTYRENE INSULATION OVER 6 MIL FIRE RETARDANT POLYETHLENE, COVERED WITH 2X10 WOOD PLANKS TO PROTECT ROOFING WHERE CONSTRUCTION WORK AND TRAFFIC WILL OCCUR.

3 NEATLY CUT AND POSITION ROOF PROTECTION COMPONENTS TO FIT WITHIN 1/2 INCH OF ROOF PENETRATIONS, EAVES AND CHANGE IN ELEVATIONS.

4 DO NOT COVER THE ROOF DRAINS. MAINTAIN THE ROOF STRAINERS VISIBLE AND CLEAR AT ALL TIMES.



2 TEAM BUILDING ROOF PLAN
1/8" = 1'-0"



1 1ST FLOOR PLAN
1/8" = 1'-0"

GREENWICH HS CARDINAL STADIUM PHASE 1B

GREENWICH PUBLIC SCHOOLS
10 HILLSIDE ROAD
GREENWICH CT 06830

KG+D listen imagine build
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285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
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TRUE NORTH PROJECT NORTH

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No.	Date	Issue
3	10/30/20	PHASE 1B SITE PLAN APP.
2	08/12/20	ISSUE FOR PERMIT
1	08/29/19	DESIGN DEVELOPMENT

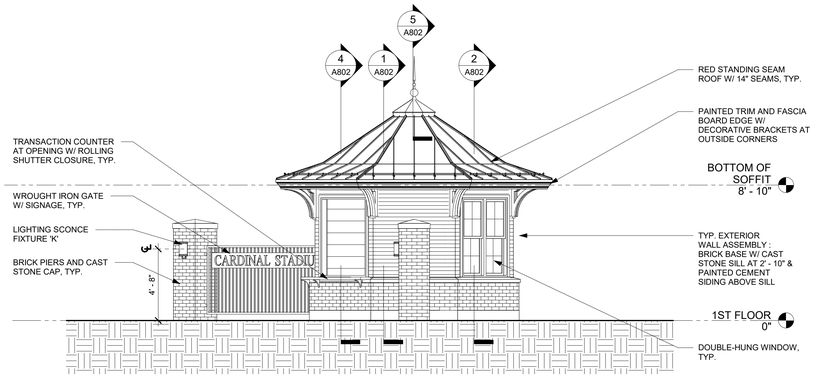
Sheet Title

NEW CONSTRUCTION PLANS

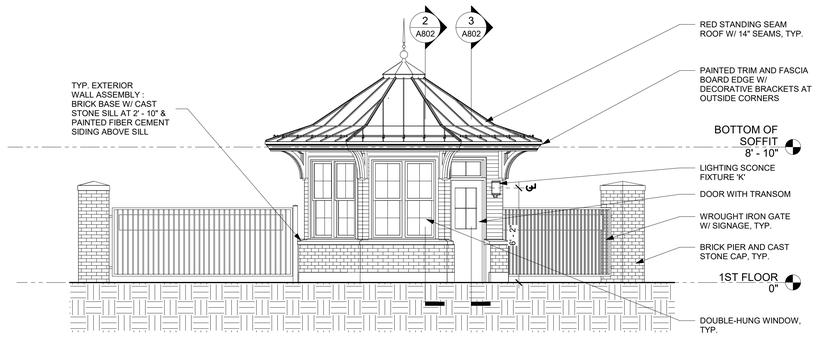
Job No.	Date
2018-1035	07/08/19
Scale: AS NOTED	Drawn / Checked: -

Sheet Number

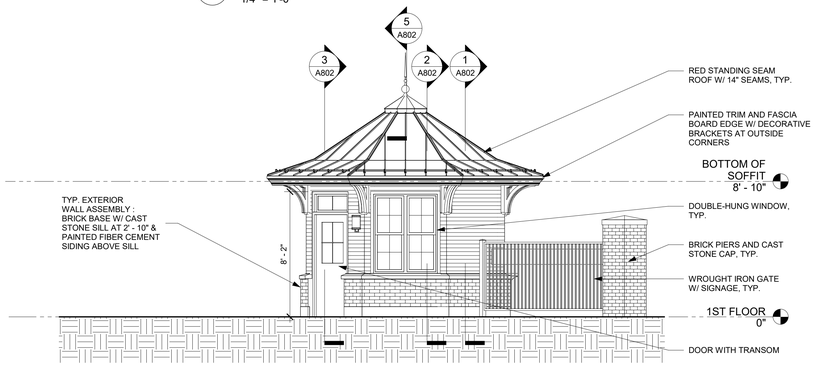
A201



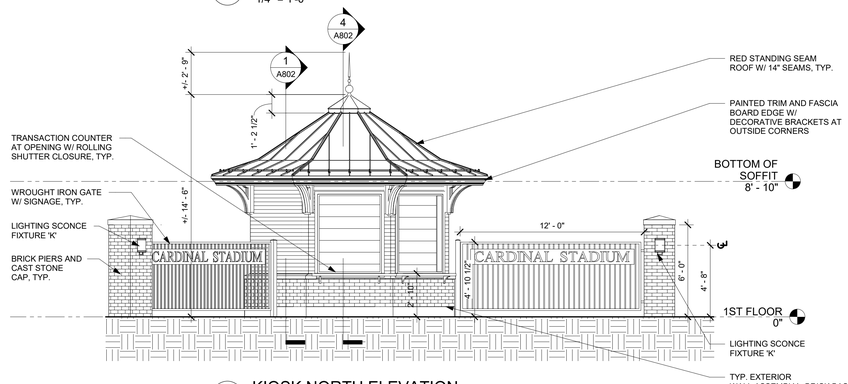
10 KIOSK WEST ELEVATION
1/4" = 1'-0"



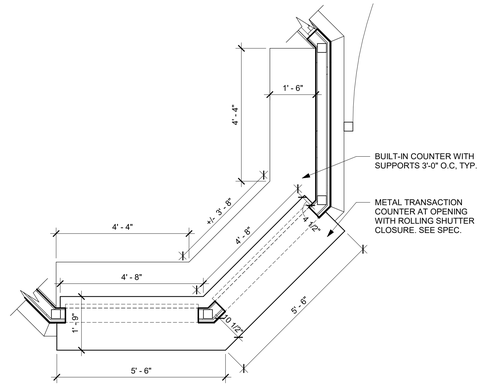
9 KIOSK SOUTH ELEVATION
1/4" = 1'-0"



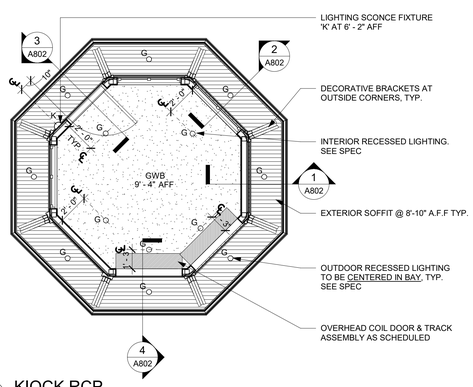
8 KIOSK EAST ELEVATION
1/4" = 1'-0"



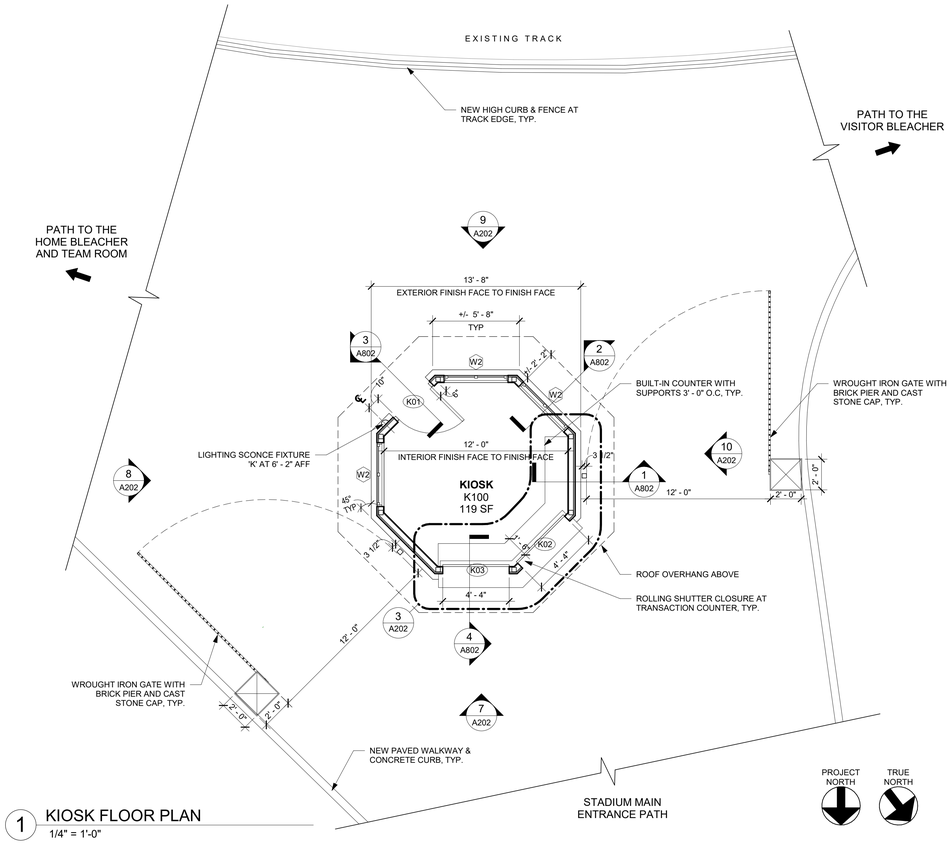
7 KIOSK NORTH ELEVATION
1/4" = 1'-0"



3 KIOSK COUNTER ENLARGED PLAN
1/2" = 1'-0"



2 KIOCK RCP
1/4" = 1'-0"



1 KIOSK FLOOR PLAN
1/4" = 1'-0"

GREENWICH HS CARDINAL STADIUM PHASE 1B

GREENWICH PUBLIC SCHOOLS
10 HILLSIDE ROAD
GREENWICH CT 06830

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No.	Date	Issue
3	10/30/20	PHASE 1B SITE PLAN APP.
2	04/02/20	SITE PLAN SUBMISSION

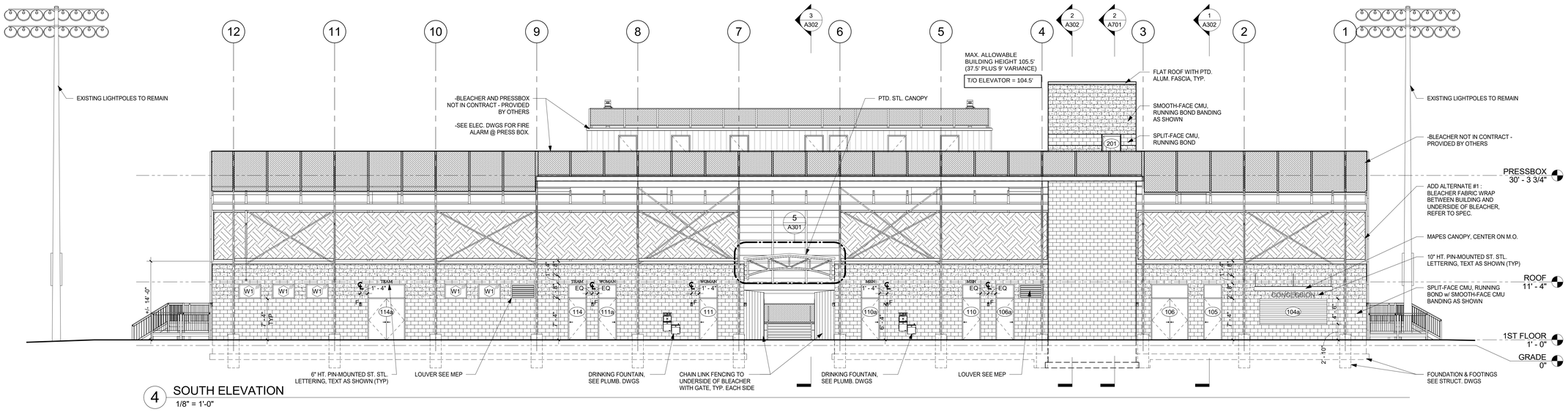
Sheet Title

KIOSK DRAWINGS

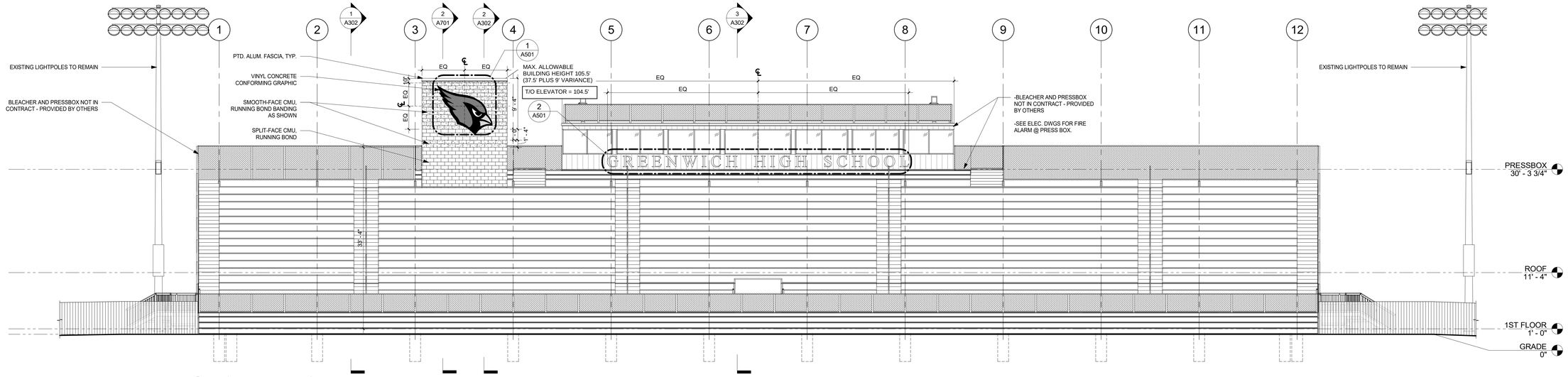
Job No. Project Number	Date 03/31/20
Scale AS NOTED	Drawn / Checked -

Sheet Number

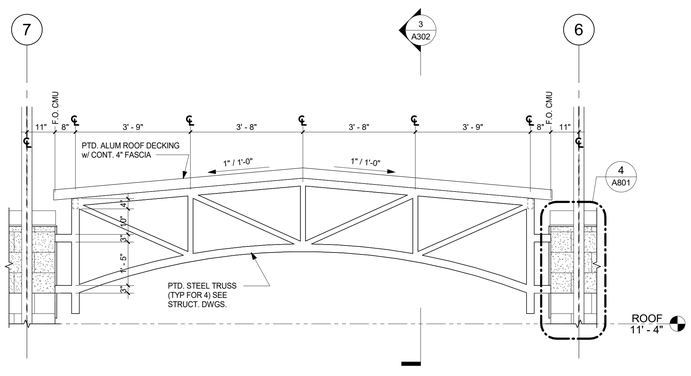
A202



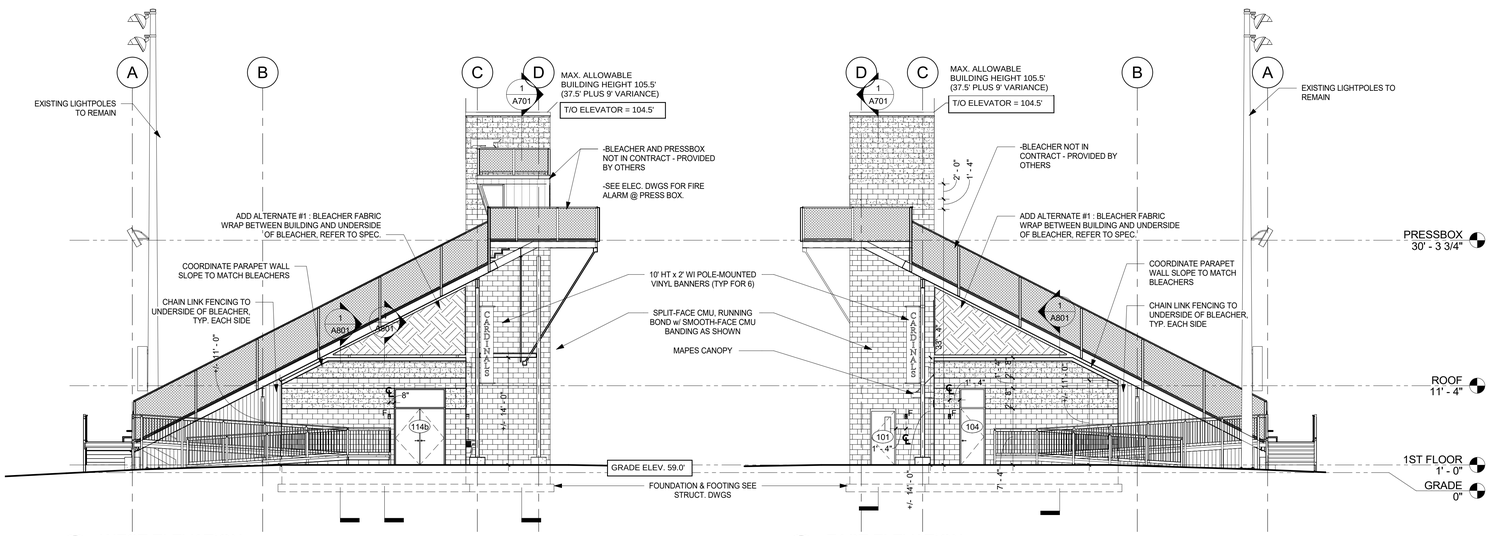
4 SOUTH ELEVATION
1/8" = 1'-0"



3 NORTH ELEVATION
1/8" = 1'-0"



5 SOUTH ELEVATION - CANOPY
1/2" = 1'-0"



2 WEST ELEVATION
1/8" = 1'-0"

1 EAST ELEVATION
1/8" = 1'-0"

GREENWICH HS CARDINAL STADIUM PHASE 1B

GREENWICH PUBLIC SCHOOLS
10 HILLSIDE ROAD
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No.	Date	Issue
3	10/30/20	PHASE 1B SITE PLAN APP.
2	10/08/20	ZONING PERMIT SIGN-OFF
1	08/29/19	DESIGN DEVELOPMENT

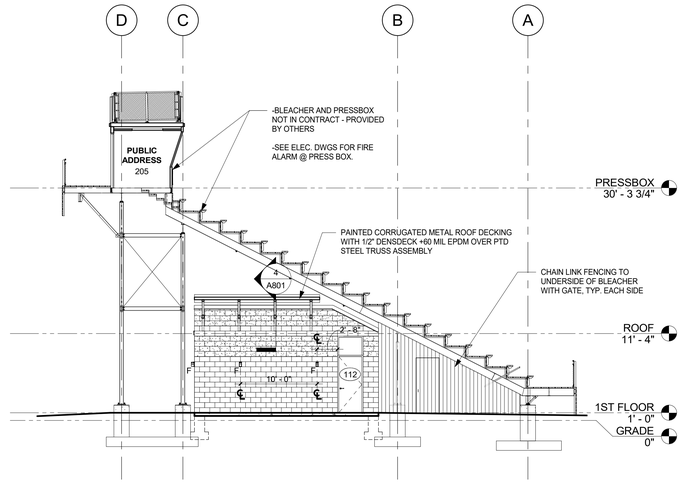
Sheet Title

EXTERIOR ELEVATIONS

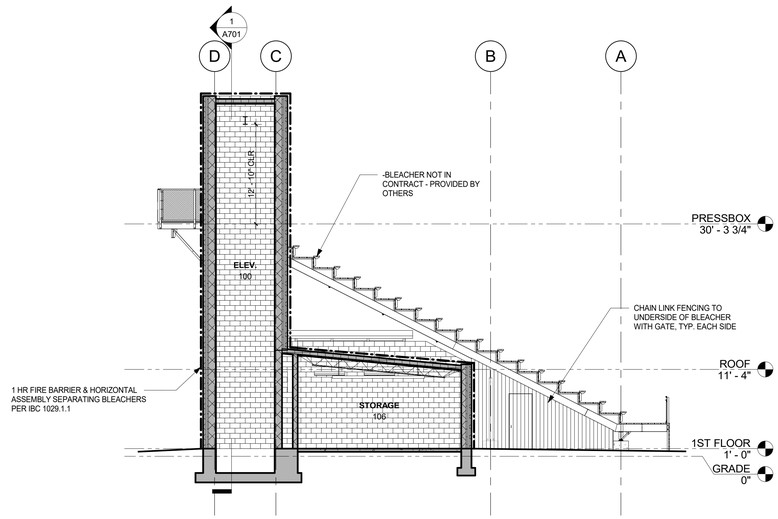
Job No.	Date
2018-1035	07/08/19
Scale: AS NOTED	Drawn / Checked: -

Sheet Number

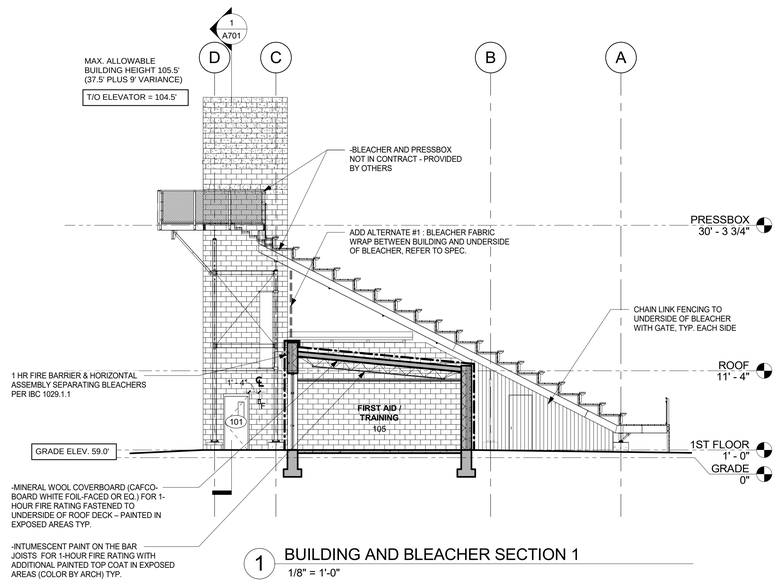
A301



3 BUILDING AND BLEACHER SECTION 3
1/8" = 1'-0"



2 BUILDING AND BLEACHER SECTION 2
1/8" = 1'-0"



1 BUILDING AND BLEACHER SECTION 1
1/8" = 1'-0"

GREENWICH HS CARDINAL STADIUM PHASE 1B

GREENWICH PUBLIC SCHOOLS
10 HILLSIDE ROAD
GREENWICH CT 06830

KG+D . ARCHITECTS PC
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549
P:914.666.5900 KGDARCHITECTS.COM

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No.	Date	Issue
3	10/30/20	PHASE 1B SITE PLAN APP.
2	10/08/20	ZONING PERMIT SIGN-OFF

Sheet Title

BUILDING SECTIONS

Job No.	Date
2018-1035	09/10/19
Scale: AS NOTED	Drawn / Checked: -

Sheet Number

A302



HOME BLEACHER AND TRACK



HOME BLEACHER AND CONCESSION



PROPOSED HOME BLEACHER



DRIVEWAY TO AREA BEHIND HOME BLEACHER



AREA BEHIND HOME BLEACHER



PROPOSED HOME BLEACHER AND TEAM BUILDING



MAIN PEDESTRIAN ENTRANCE TO CARDINAL STADIUM



WALKWAY TO HOME BLEACHER



PROPOSED ENTRY KIOSK



OPEN AREA EAST OF CARDINAL FIELD



WALKWAY TO CARDINAL STADIUM

EXISTING PHOTOS

RENDERINGS

GREENWICH PUBLIC SCHOOLS

GREENWICH HIGH SCHOOL CARDINAL STADIUM PHASE 1B

10 Hillside Road
Greenwich, CT 06830

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SITE PLAN SUBMISSION

Key Plan

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STATE OF CONNECTICUT
RUSSELL A. DAVIDSON
No. 17031
REGISTERED ARCHITECT

No.	Date	Issue
4	10/30/20	PHASE 1B SITE PLAN APP.
3	04/24/20	SITE PLAN SUBMISSION
2	04/02/20	SITE PLAN SUBMISSION
1	08/29/19	DESIGN DEVELOPMENT

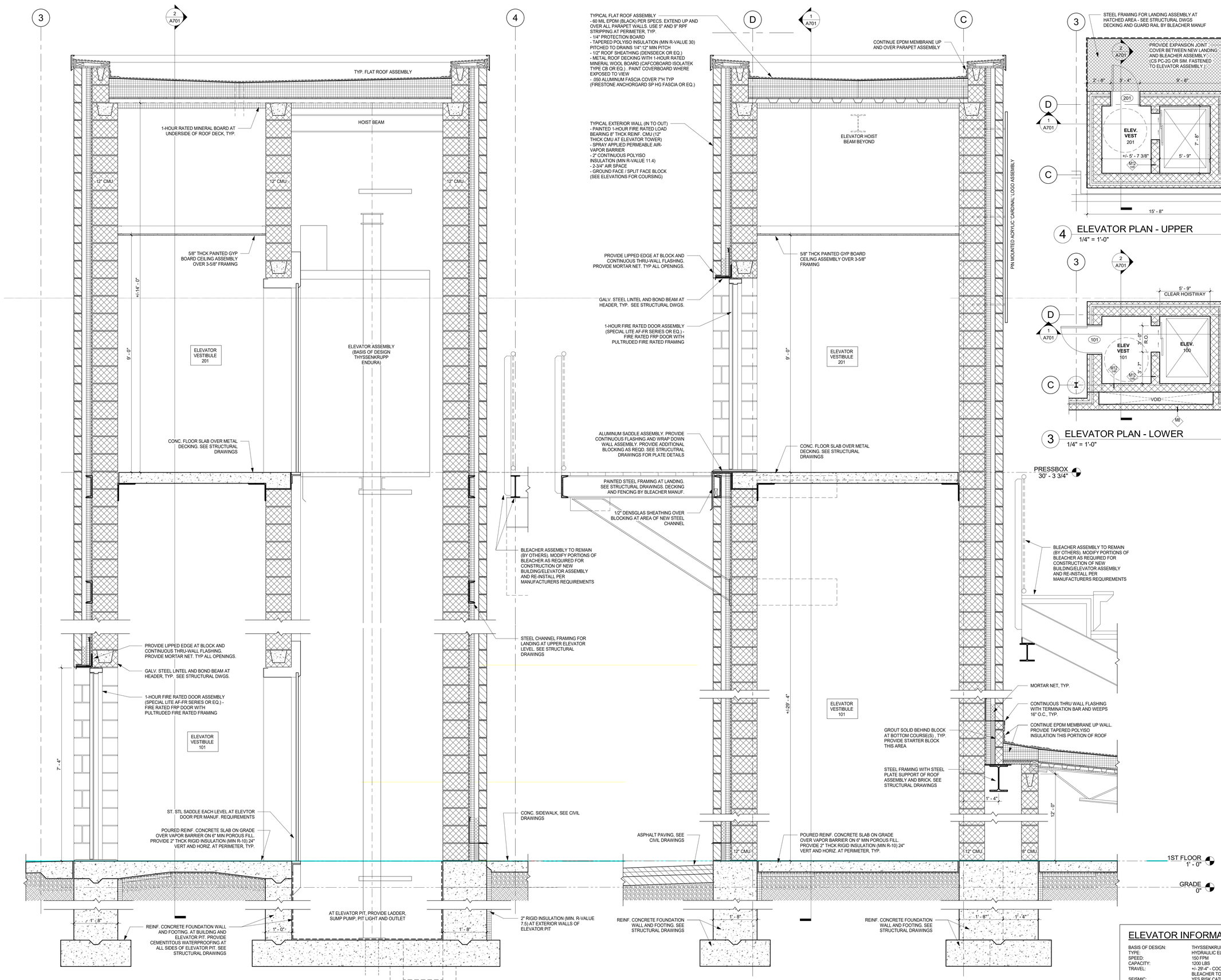
Sheet Title

EXISTING PHOTOS & PROPOSED RENDERINGS

Job No.	Date
2018-1035	03/26/20
Scale: AS NOTED	Drawn / Checked: Author Checker

Sheet Number

A401



1 WALL SECTION @ ELEVATOR E-W
3/4" = 1'-0"

2 WALL SECTION @ ELEVATOR N-S
3/4" = 1'-0"

4 ELEVATOR PLAN - UPPER
1/4" = 1'-0"

3 ELEVATOR PLAN - LOWER
1/4" = 1'-0"

ELEVATOR INFORMATION

BASIS OF DESIGN:	THYSSENKRUPP ENDURA MRL 3-STAGE
TYPE:	HYDRAULIC ELEVATOR
SPEED:	150 FPM
CAPACITY:	1200 LBS
TRAVEL:	+/- 29'-4" - COORDINATE TO ALIGN WITH BLEACHER TOP / PRESS BOX LANDING
SEISMIC:	YES RISK CATEGORY III ASME 17.1
EMERGENCY BACKUP:	YES - NEW GENERATOR
ADDITIONAL INFORMATION:	KEY-OPERATED HALL BUTTONS PROVIDE LADDER, PIT LIGHT, SUMP PUMP

CERTIFIED ELEVATOR INSPECTION REQUIRED = YES

GREENWICH HS CARDINAL STADIUM PHASE 1B

GREENWICH PUBLIC SCHOOLS
10 HILLSIDE ROAD
GREENWICH CT 06830

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No.	Date	Issue
3	10/30/20	PHASE 1B SITE PLAN APP.
2	10/08/20	ZONING PERMIT SIGN-OFF

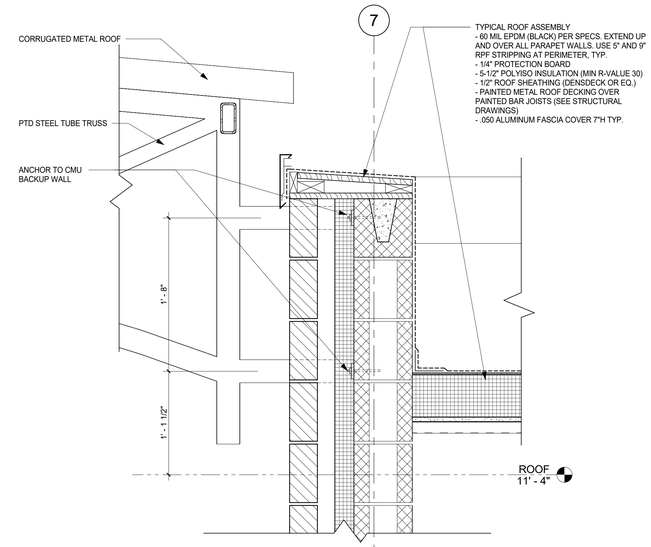
Sheet Title

ENLARGED ELEVATOR DRAWINGS

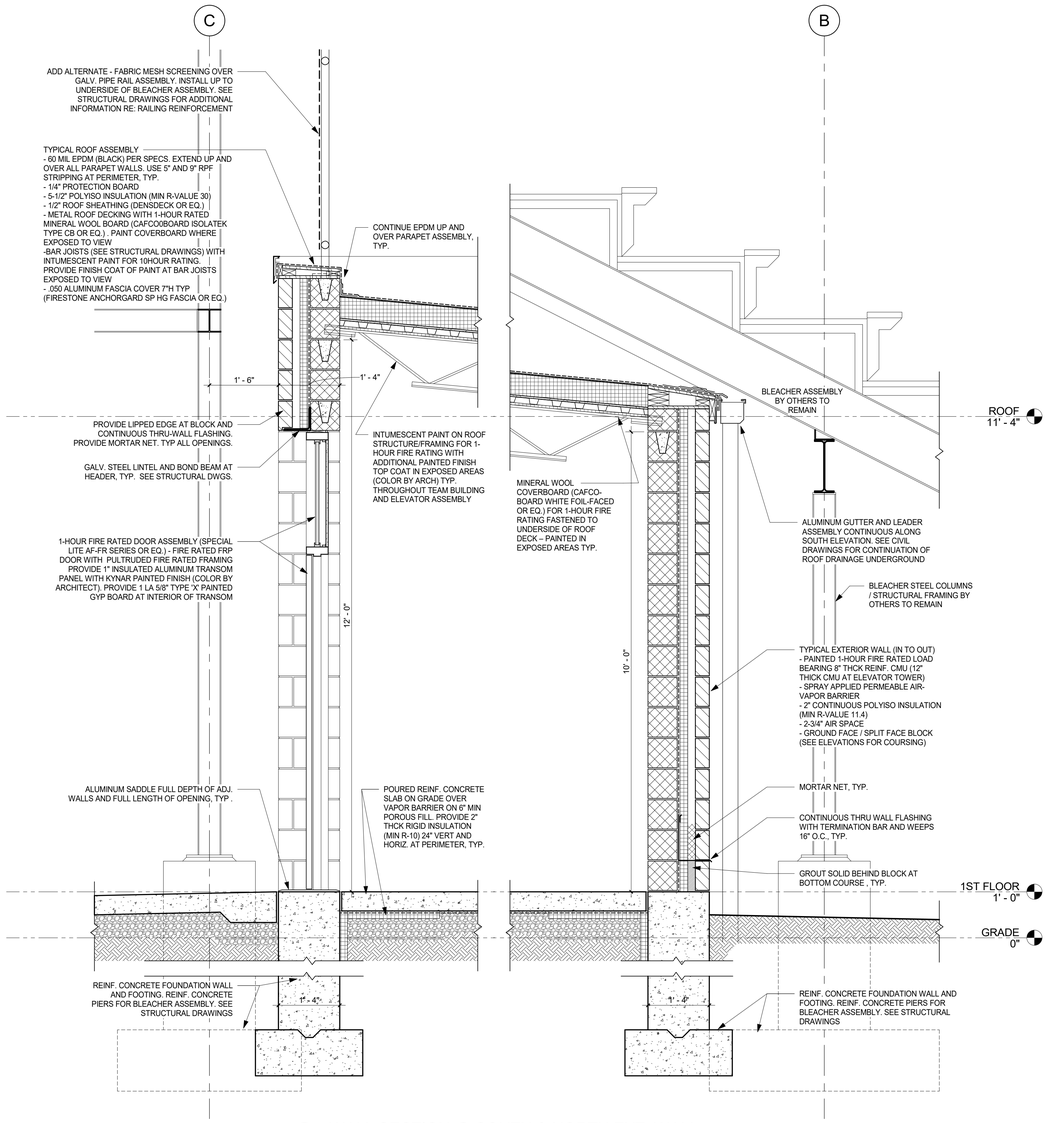
Job No. 2018-1035	Date 05/19/20
Scale AS NOTED	Drawn / Checked -

Sheet Number

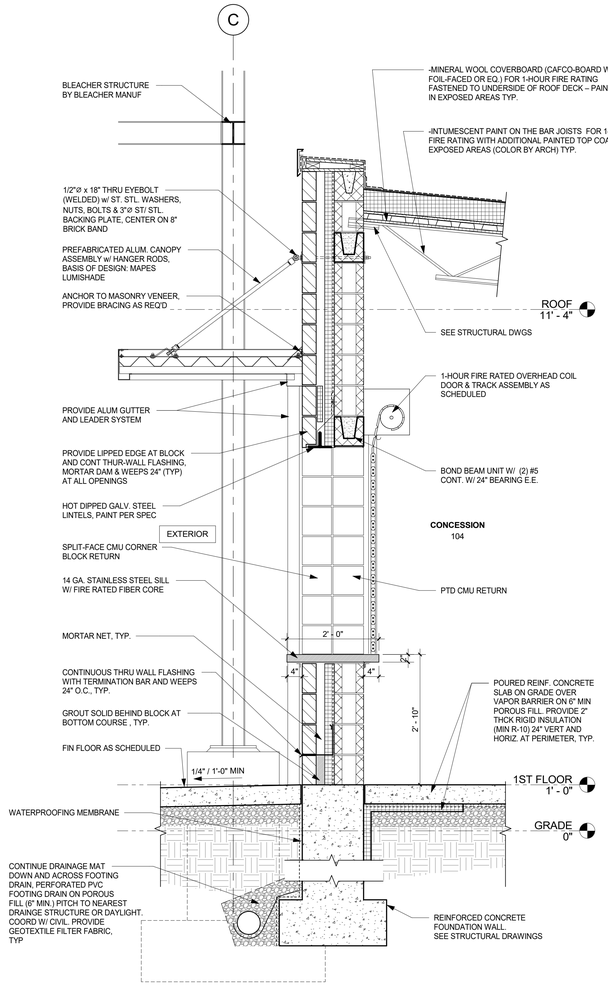
A701



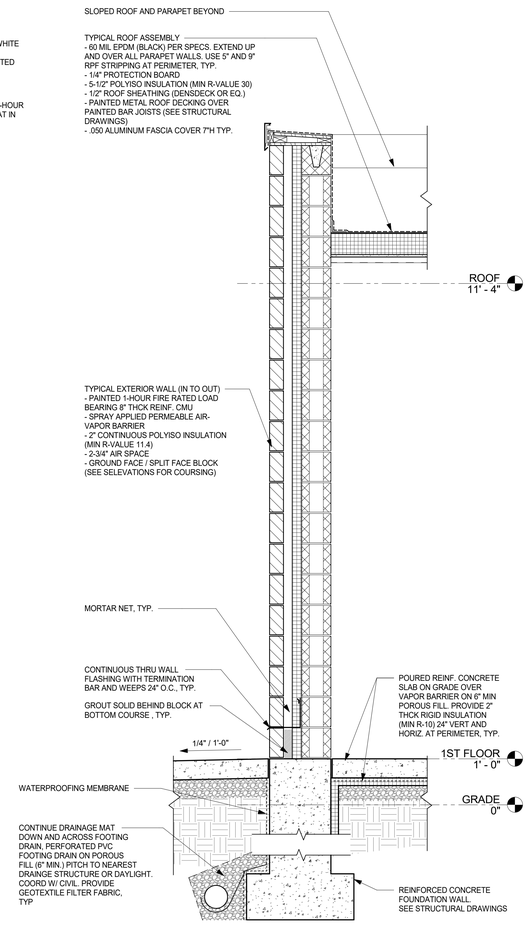
4 PARAPET DETAIL @ CANOPY
1 1/2" = 1'-0"



3 WALL SECTION @ SOUTH & NORTH EXT. WALL
3/4" = 1'-0"



2 WALL SECTION @ OVERHEAD DOOR
3/4" = 1'-0"



1 TYPICAL WALL SECTION
3/4" = 1'-0"

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STATE OF CONNECTICUT
RUSSELL A. DAVIDSON
No. 10561
REGISTERED ARCHITECT

No.	Date	Issue
3	10/30/20	PHASE 1B SITE PLAN APP.
2	10/08/20	ZONING PERMIT SIGN-OFF

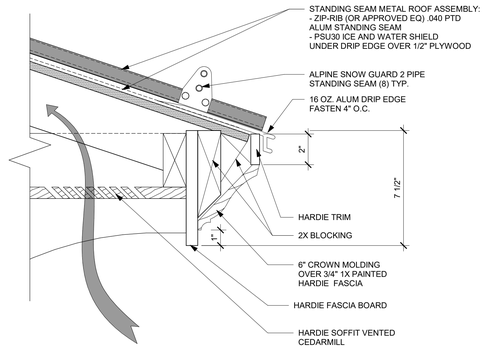
Sheet Title

WALL SECTIONS

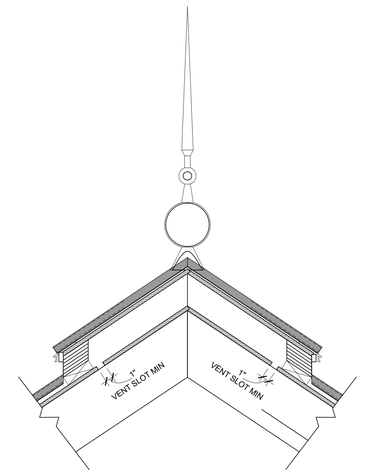
Job No.	Date
2018-1035	07/08/19
Scale: AS NOTED	Drawn / Checked: -

Sheet Number

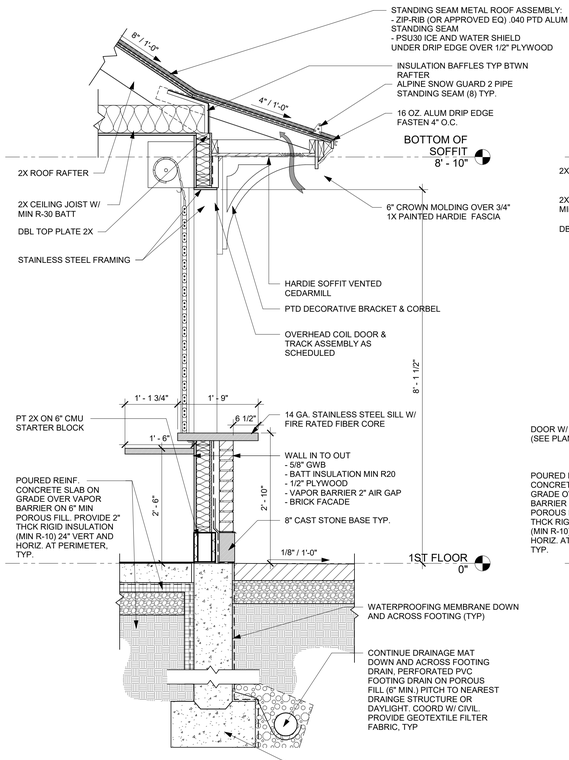
A801



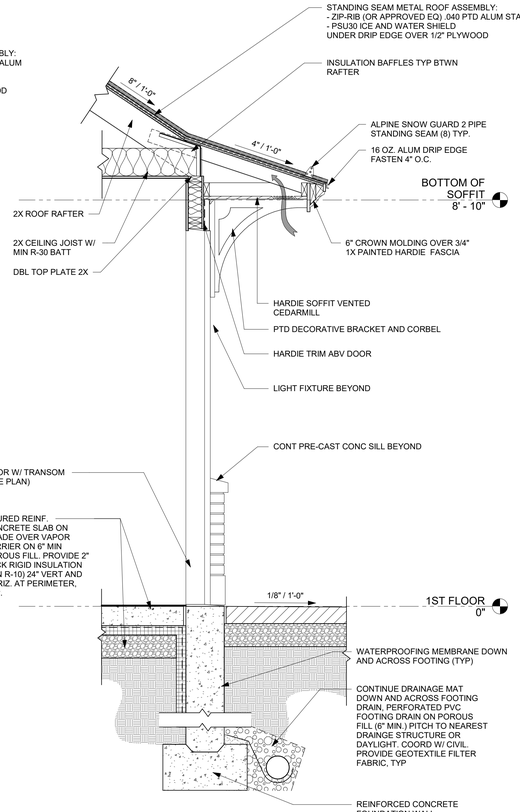
6 VENTED SOFFIT DETAIL
3" = 1'-0"



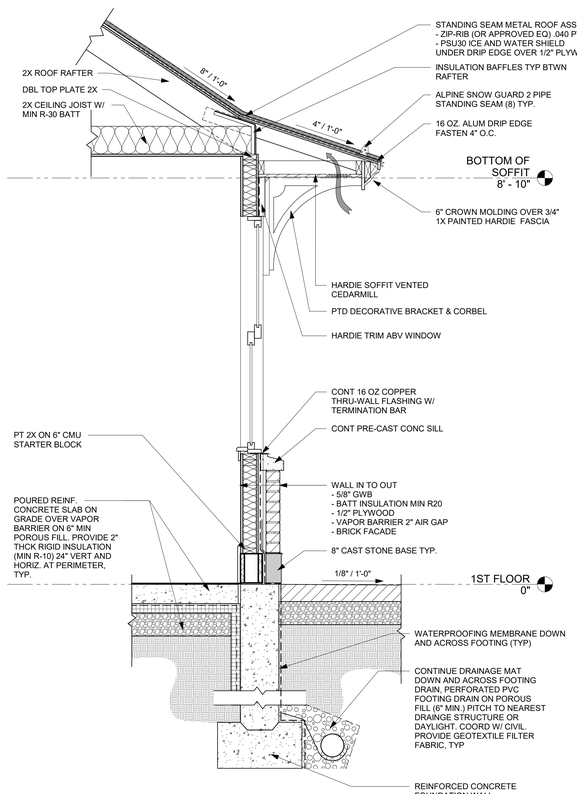
5 ROOD RIDGE VENT DETAIL
1 1/2" = 1'-0"



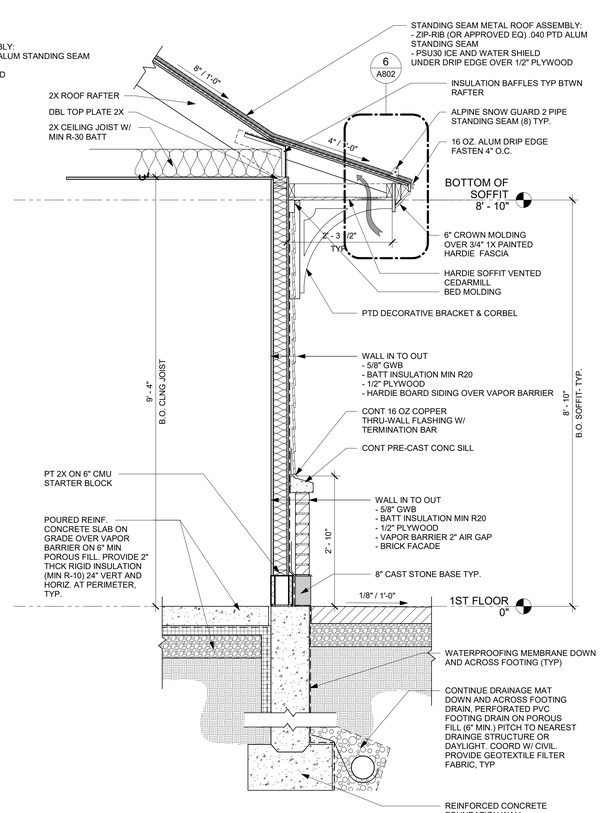
4 WALL SECTION @ ROLL-UP WINDOW
3/4" = 1'-0"



3 WALL SECTION @ DOOR
3/4" = 1'-0"



2 WALL SECTION @ WINDOW
3/4" = 1'-0"



1 WALL SECTION- TYP.
3/4" = 1'-0"

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No.	Date	Issue
3	10/30/20	PHASE 1B SITE PLAN APP.

Sheet Title

KIOSK WALL SECTIONS AND DETAILS

Job No. Project Number	Date 02/20/15
Scale AS NOTED	Drawn / Checked Author Checker

Sheet Number

A802