

CITY OF NEWTON, MASSACHUSETTS

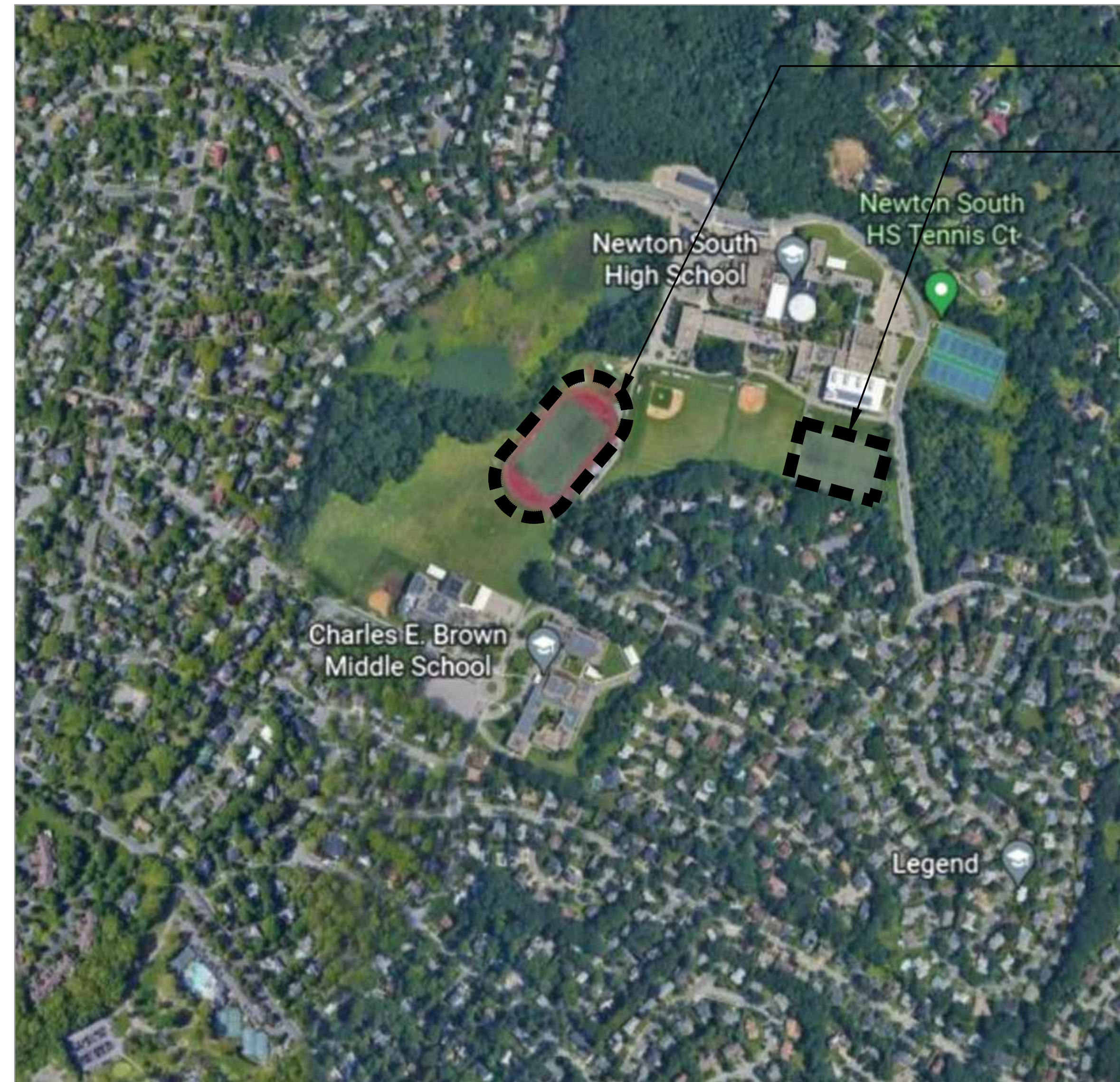
NEWTON SOUTH HIGH SCHOOL FIELD IMPROVEMENTS

MAYOR

RUTHANNE FULLER
CITY OF NEWTON, MASSACHUSETTS

COMMISSIONER OF PARKS & OPEN SPACE

NICOLE BANKS
PARKS, RECREATION AND CULTURE DEPARTMENT



WINKLER STADIUM
TRACK AND FIELD

BRANDEIS ROAD FIELD

SHEET INDEX

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LOCATION PLAN
N15

NOVEMBER 2022



BOSTON, MASSACHUSETTS

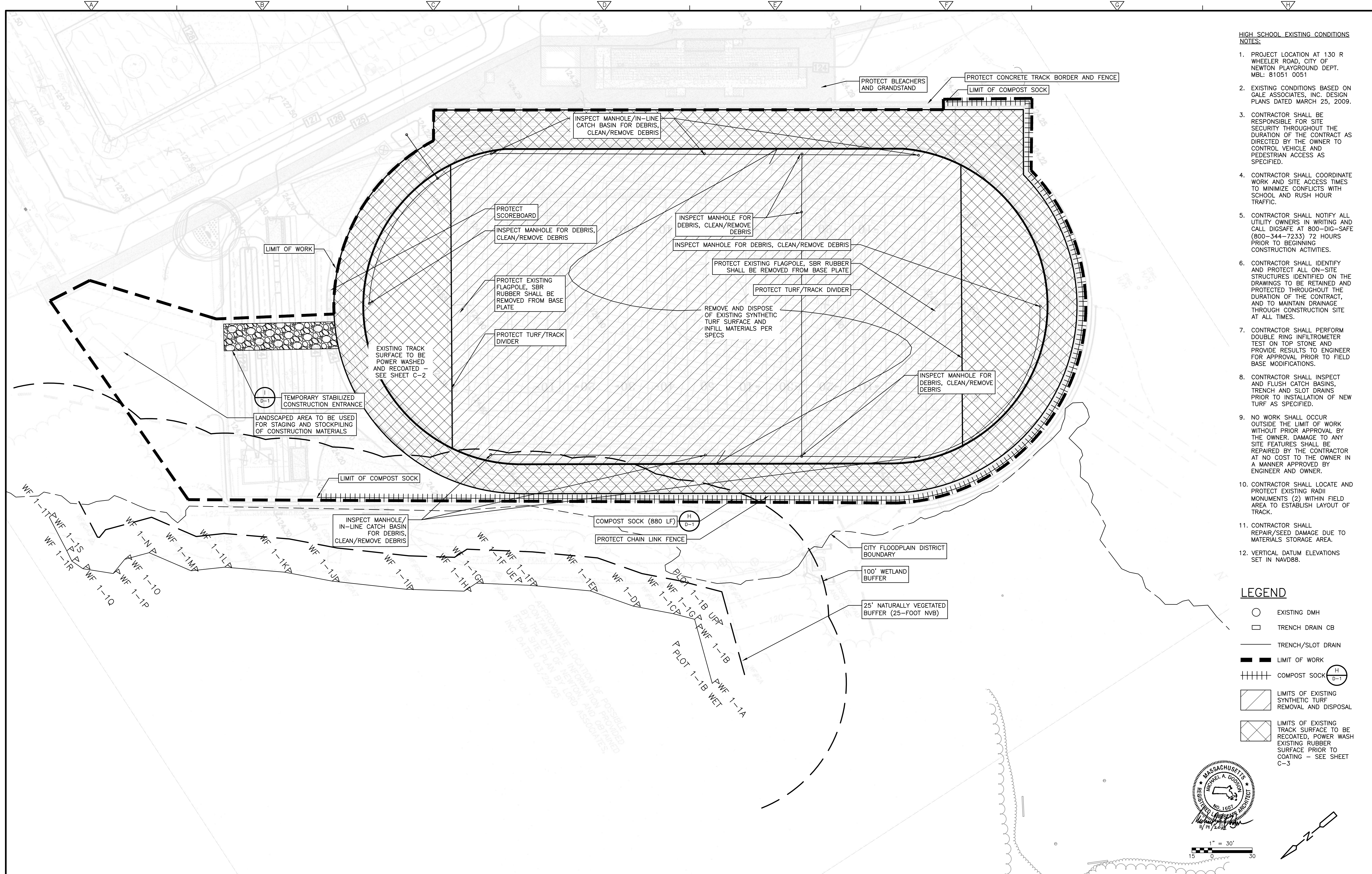
Water

Environment

Transportation

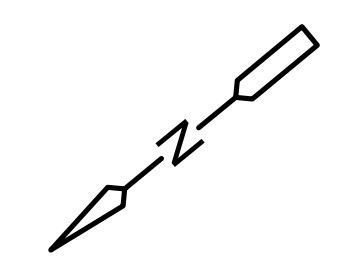
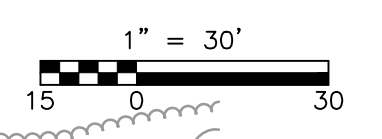
Energy

Facilities



- HIGH SCHOOL EXISTING CONDITIONS NOTES:**
- PROJECT LOCATION AT 130 R WHEELER ROAD, CITY OF NEWTON PLAYGROUND DEPT. MBL: 81051 0051
 - EXISTING CONDITIONS BASED ON GALE ASSOCIATES, INC. DESIGN PLANS DATED MARCH 25, 2009.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY THROUGHOUT THE DURATION OF THE CONTRACT AS DIRECTED BY THE OWNER TO CONTROL VEHICLE AND PEDESTRIAN ACCESS AS SPECIFIED.
 - CONTRACTOR SHALL COORDINATE WORK AND SITE ACCESS TIMES TO MINIMIZE CONFLICTS WITH SCHOOL AND RUSH HOUR TRAFFIC.
 - CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS IN WRITING AND CALL DIGSAFE AT 800-DIG-SAFE (800-344-7233) 72 HOURS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
 - CONTRACTOR SHALL IDENTIFY AND PROTECT ALL ON-SITE STRUCTURES IDENTIFIED ON THE DRAWINGS TO BE RETAINED AND PROTECTED THROUGHOUT THE DURATION OF THE CONTRACT, AND TO MAINTAIN DRAINAGE THROUGH CONSTRUCTION SITE AT ALL TIMES.
 - CONTRACTOR SHALL PERFORM DOUBLE RING INFILTROMETER TEST ON TOP STONE AND PROVIDE RESULTS TO ENGINEER FOR APPROVAL PRIOR TO FIELD BASE MODIFICATIONS.
 - CONTRACTOR SHALL INSPECT AND FLUSH CATCH BASINS, TRENCH AND SLOT DRAINS PRIOR TO INSTALLATION OF NEW TURF AS SPECIFIED.
 - NO WORK SHALL OCCUR OUTSIDE THE LIMIT OF WORK WITHOUT PRIOR APPROVAL BY THE OWNER. DAMAGE TO ANY SITE FEATURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER IN A MANNER APPROVED BY ENGINEER AND OWNER.
 - CONTRACTOR SHALL LOCATE AND PROTECT EXISTING RADII MONUMENTS (2) WITHIN FIELD AREA TO ESTABLISH LAYOUT OF TRACK.
 - CONTRACTOR SHALL REPAIR/SEED DAMAGE DUE TO MATERIALS STORAGE AREA.
 - VERTICAL DATUM ELEVATIONS SET IN NAVD88.

- LEGEND**
- EXISTING DMH
 - TRENCH DRAIN CB
 - TRENCH/SLOT DRAIN
 - LIMIT OF WORK
 - ++++ COMPOST SOCK (H D-1)
 - ▨ LIMITS OF EXISTING SYNTHETIC TURF REMOVAL AND DISPOSAL
 - ▩ LIMITS OF EXISTING TRACK SURFACE TO BE RECOATED, POWER WASH EXISTING RUBBER SURFACE PRIOR TO COATING - SEE SHEET C-3



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. HEIL
 DRAWN BY: A. CARRANO
 SHEET CHK'D BY: M. DODSON
 CROSS CHK'D BY: K. DRAKE
 APPROVED BY: M. DODSON
 DATE: NOVEMBER 2022

CDM Smith
 75 State Street, Suite 701
 Boston, MA 02109
 Tel: (617) 452-6000

CITY OF NEWTON
 NEWTON SOUTH HIGH SCHOOL
 TURF AND TRACK REPLACEMENT

WINKLER STADIUM
 EXISTING CONDITIONS AND REMOVALS PLAN
 (SHEET 1 OF 2)

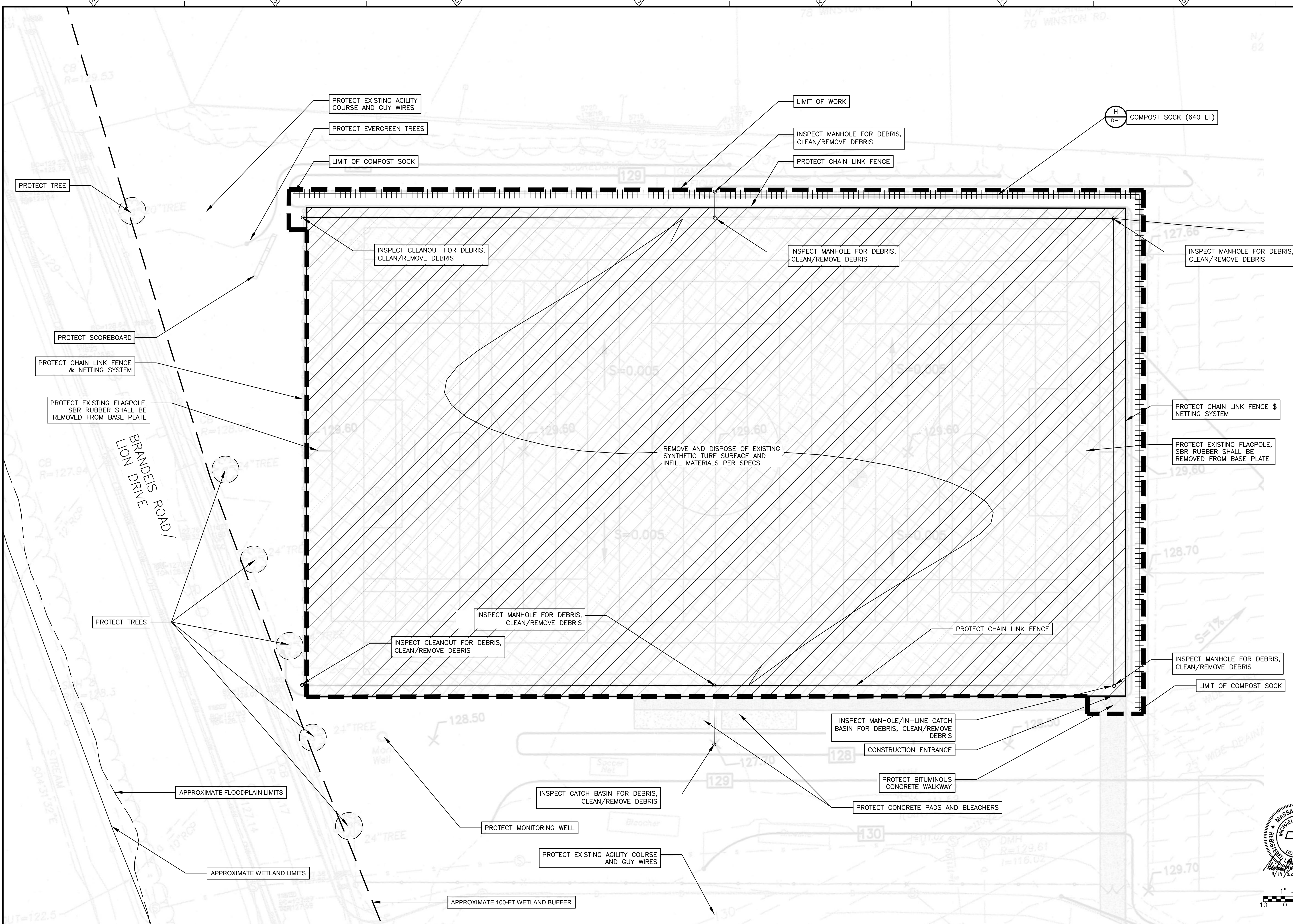
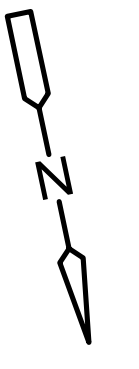
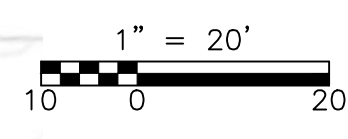
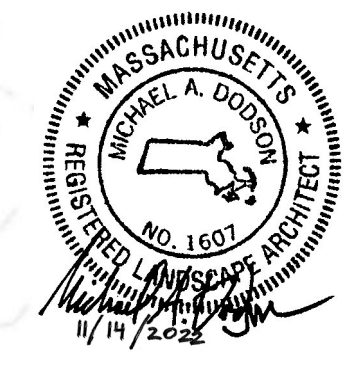
PROJECT NO. 0865-277031
 FILE NAME: CO01EXPL
 SHEET NO. C-1

HIGH SCHOOL EXISTING CONDITIONS NOTES:

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- CONTRACTOR SHALL REPAIR/SEED DAMAGE DUE TO MATERIALS STORAGE AREA.
- VERTICAL DATUM ELEVATIONS SET IN NAVD88.

LEGEND

- EXISTING DMH
- TRENCH DRAIN CB
- TRENCH/SLOT DRAIN
- ▬ LIMIT OF WORK
- ++++ COMPOST SOCK (H/D-T)
- ▨ LIMITS OF EXISTING SYNTHETIC TURF REMOVAL AND DISPOSAL



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CITY OF NEWTON
 NEWTON SOUTH HIGH SCHOOL
 TURF AND TRACK REPLACEMENT

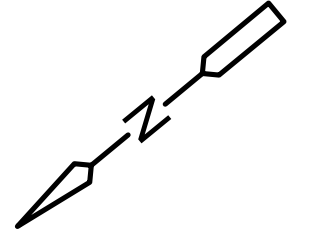
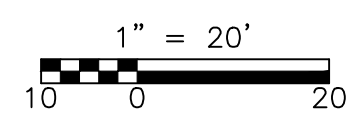
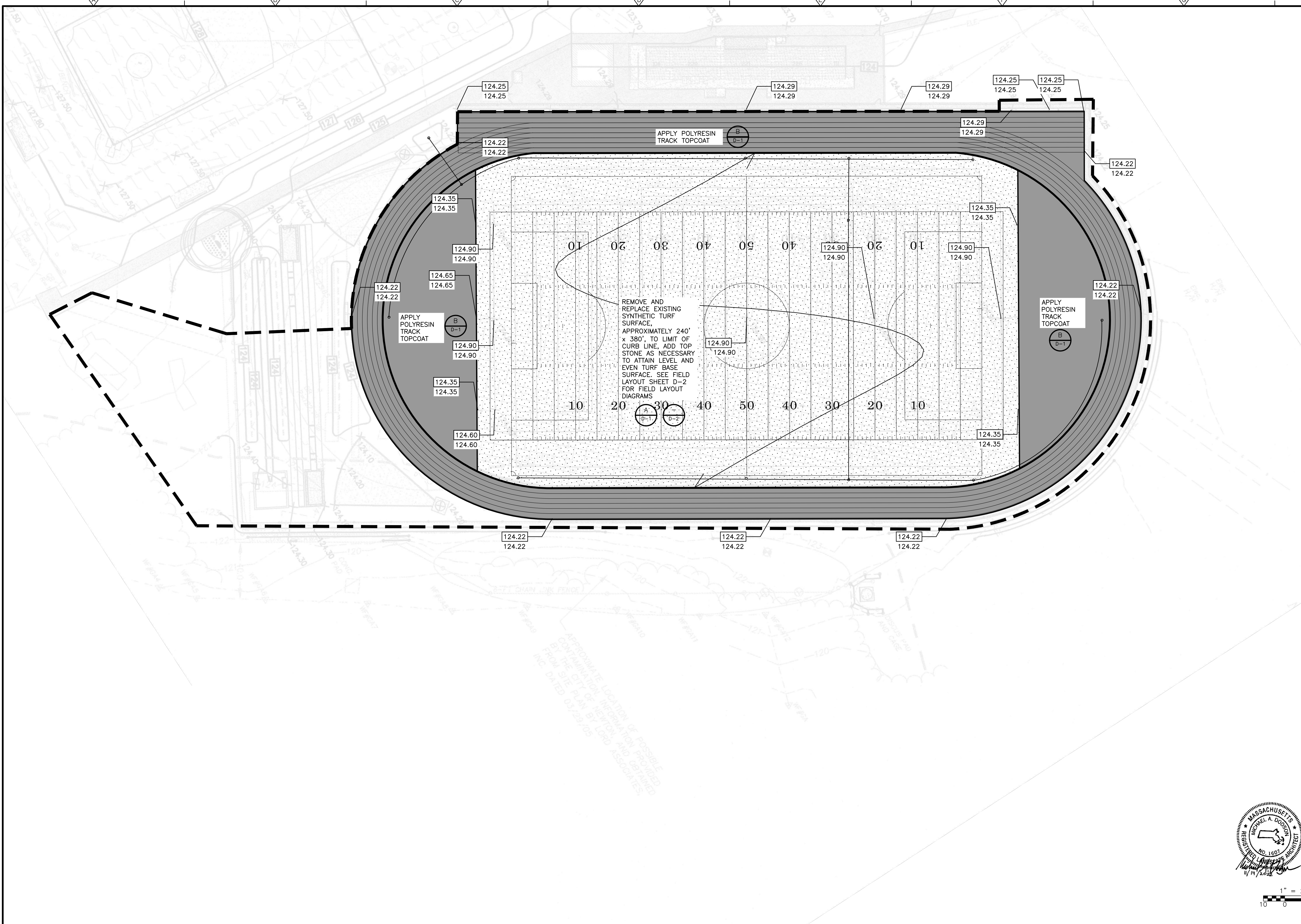
BRANDEIS ROAD FIELD
 EXISTING CONIDITONS AND REMOVALS PLAN
 (SHEET 2 OF 2)

PROJECT NO. 0865-277031
 FILE NAME: COO2EXPL
 SHEET NO. C-2

NOTE:
EXISTING CONDITIONS BASED ON
GALE ASSOCIATES, INC. DESIGN
PLANS DATED MARCH 24, 2009.

- — — — — LIMIT OF WORK
 - SYNTHETIC TURF SURFACE (A D-1)
 - TOP COAT TRACK AREA AND D AREAS (B D-1)
 - 273.10 ORIGINAL FINISH GRADE*
 - 273.10 PROPOSED FINAL GRADE
- * EXISTING GRADES ARE BASED ON ORIGINAL DESIGN PLANS AND MAY DIFFER IN THE FIELD.

- NOTES:
1. CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER OF ANY OBSTRUCTIONS ENCOUNTERED, PRIOR TO CONTINUING WITH CONSTRUCTION ACTIVITIES IN THE AREA WHERE OBSTRUCTION IS ENCOUNTERED.
 2. CONTRACTOR SHALL BE AWARE OF ALL EXISTING DRAIN AND PIPE STRUCTURES TO REMAIN AND WHETHER THEY ARE ABANDONED OR TO REMAIN IN USE. CONTRACTOR SHALL MAINTAIN FUNCTION OF EXISTING DRAINAGE SYSTEM AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
 3. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN MANNER APPROVED BY THE ENGINEER AND OWNER.
 4. CONTRACTOR SHALL LASER GRADE FIELD AND BE RESPONSIBLE FOR A FINAL FIELD CHECK OF FINISHED GRADES WITH TURF SUPPLIER AND ENGINEER PRIOR TO FIELD SURFACE INSTALLATION. CONTRACTOR SHALL ADD OR REMOVE TOP STONE AS NECESSARY TO ATTAIN LEVEL AND EVEN BASE SURFACE TO ACCOMMODATE NEW TURF SYSTEM.
 5. IF EXISTING UTILITIES OR STRUCTURES IMPEDE EXCAVATION ACTIVITIES IN ANY MANNER, CONTRACTOR SHALL INFORM THE ENGINEER AND OWNER PRIOR TO CONTINUING WITH CONSTRUCTION ACTIVITIES.
 6. CLEAN DEBRIS FROM TRENCH DRAINS AND CATCH BASINS. CONFIRM ALL TRENCH DRAIN GRATES ARE SECURED IN PLACE.
 7. ANCHOR NEW TURF TO EXISTING TURF CURB ALL SIDES.
 8. FIELD MARKING SPORT AND LINE COLORS INCLUDE:
 - FOOTBALL — WHITE
 - SOCCER — YELLOW
 9. FIELD MARKINGS SHALL MEET THE LATEST MIAA AND NFHS REGULATIONS FOR HIGH SCHOOL FOOTBALL AND SOCCER FIELD LAYOUT.
 10. FOOTBALL AND SOCCER LINES SHALL BE TUFTED IN FACTORY.
 11. LINES AND MARKINGS SHALL BE PERMANENT. LOGO SHALL BE PERMANENT. COORDINATE ARTWORK WITH OWNER.
 12. CONTRACTOR SHALL CONFIRM DIMENSIONS OF SYNTHETIC FIELD AREAS AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION.
 13. NAILER BOARDS SHALL BE PROTECTED AND INSPECTED FOR DEFECTS. REPLACEMENT OF NAILER BOARDS SHALL BE UPON INSPECTION AND APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. HEIL
 DRAWN BY: A. CARRANO
 SHEET CHK'D BY: M. DODSON
 CROSS CHK'D BY: K. DRAKE
 APPROVED BY: M. DODSON
 DATE: NOVEMBER 2022

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CITY OF NEWTON
 NEWTON SOUTH HIGH SCHOOL
 TURF AND TRACK REPLACEMENT

PROJECT NO. 0865-277031
 FILE NAME: CO03EXPL
 SHEET NO. C-3

NOTE:
EXISTING CONDITIONS BASED ON
GALE ASSOCIATES, INC. DESIGN
PLANS DATED MARCH 24, 2009.

--- LIMIT OF WORK
SYNTHETIC TURF SURFACE

273.10 ORIGINAL FINISH GRADE*

273.10 PROPOSED FINAL GRADE

* EXISTING GRADES ARE BASED ON ORIGINAL DESIGN PLANS AND MAY DIFFER IN THE FIELD.

NOTES:
1. CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER OF ANY OBSTRUCTIONS ENCOUNTERED, PRIOR TO CONTINUING WITH CONSTRUCTION ACTIVITIES IN THE AREA WHERE OBSTRUCTION IS ENCOUNTERED.

2. CONTRACTOR SHALL BE AWARE OF ALL EXISTING DRAIN AND PIPE STRUCTURES TO REMAIN AND WHETHER THEY ARE ABANDONED OR TO REMAIN IN USE. CONTRACTOR SHALL MAINTAIN FUNCTION OF EXISTING DRAINAGE SYSTEM AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

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6. CLEAN DEBRIS FROM TRENCH DRAINS AND CATCH BASINS. CONFIRM ALL TRENCH DRAIN GRATES ARE SECURED IN PLACE.

7. ANCHOR NEW TURF TO EXISTING TURF CURB ALL SIDES.

8. FIELD MARKING SPORT AND LINE COLORS INCLUDE:
• FOOTBALL - WHITE
• SOCCER - YELLOW

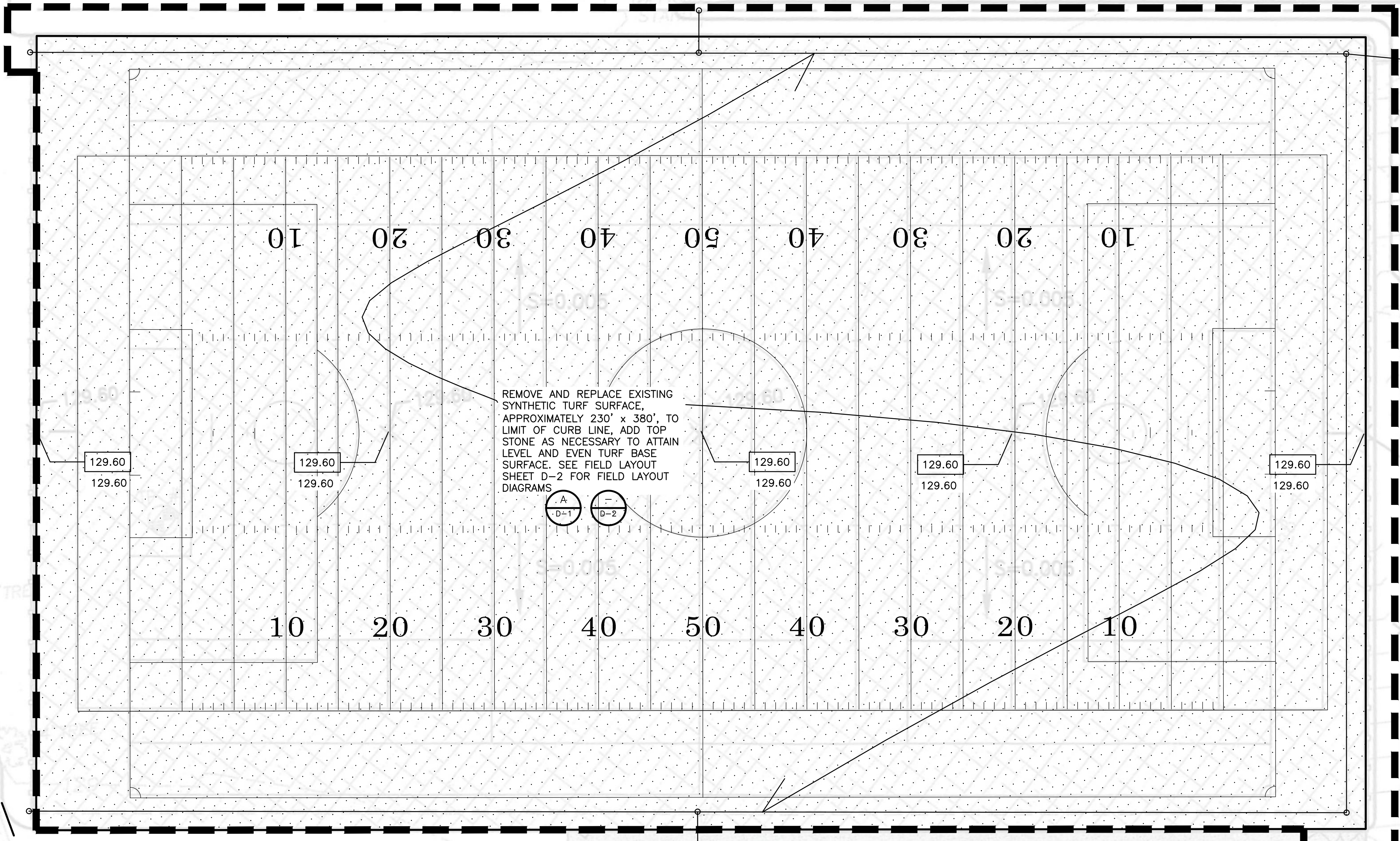
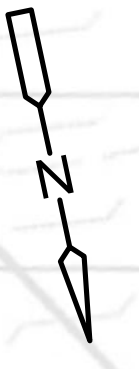
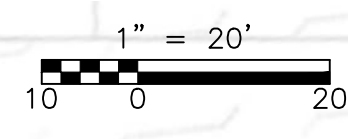
9. FIELD MARKINGS SHALL MEET THE LATEST MIAA AND NFHS REGULATIONS FOR HIGH SCHOOL FOOTBALL AND SOCCER FIELD LAYOUT.

10. FOOTBALL AND SOCCER LINES SHALL BE TUFTED IN FACTORY.

11. LINES AND MARKINGS SHALL BE PERMANENT. LOGO SHALL BE PERMANENT. COORDINATE ARTWORK WITH OWNER.

12. CONTRACTOR SHALL CONFIRM DIMENSIONS OF SYNTHETIC FIELD AREAS AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION.

13. NAILER BOARDS SHALL BE PROTECTED AND INSPECTED FOR DEFECTS. REPLACEMENT OF NAILER BOARDS SHALL BE UPON INSPECTION AND APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.



REMOVE AND REPLACE EXISTING SYNTHETIC TURF SURFACE, APPROXIMATELY 230' x 380', TO LIMIT OF CURB LINE, ADD TOP STONE AS NECESSARY TO ATTAIN LEVEL AND EVEN TURF BASE SURFACE. SEE FIELD LAYOUT SHEET D-2 FOR FIELD LAYOUT DIAGRAMS.

A
D-1
D-2

APPROXIMATE FLOODPLAIN LIMITS

APPROXIMATE WETLAND LIMITS

APPROXIMATE 100-FT WETLAND BUFFER

REV. NO.	DATE	DRWN	CHKD	REMARKS

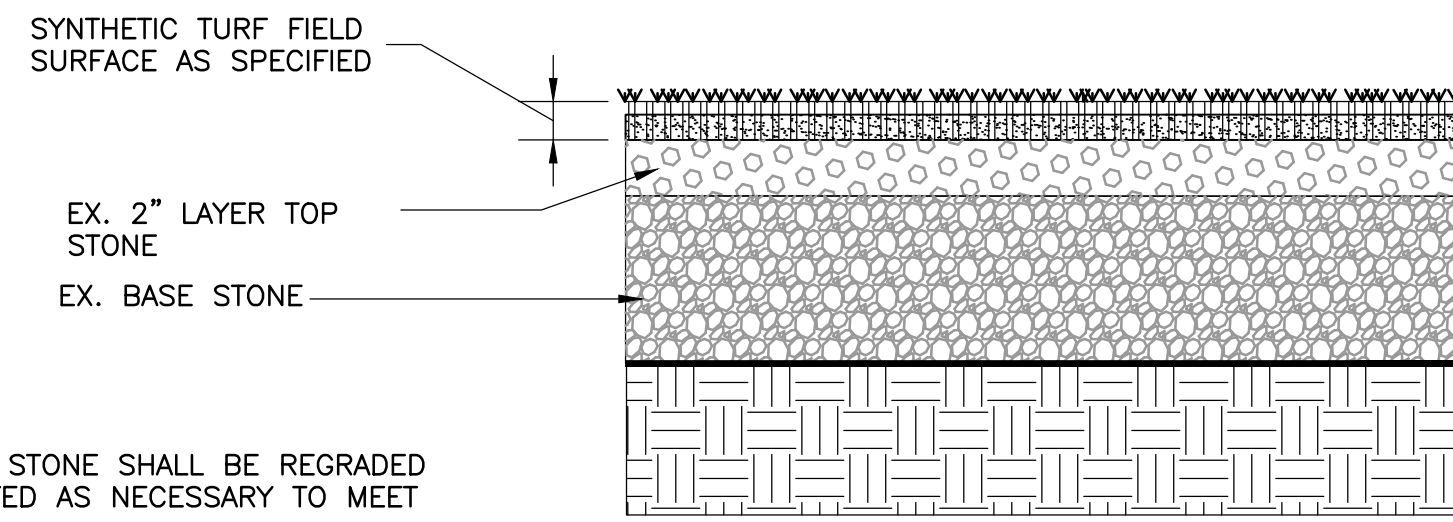
DESIGNED BY: J. HEIL
DRAWN BY: A. CARRANO
SHEET CHK'D BY: M. DODSON
CROSS CHK'D BY: K. DRAKE
APPROVED BY: M. DODSON
DATE: NOVEMBER 2022



CITY OF NEWTON
NEWTON SOUTH HIGH SCHOOL
TURF AND TRACK REPLACEMENT

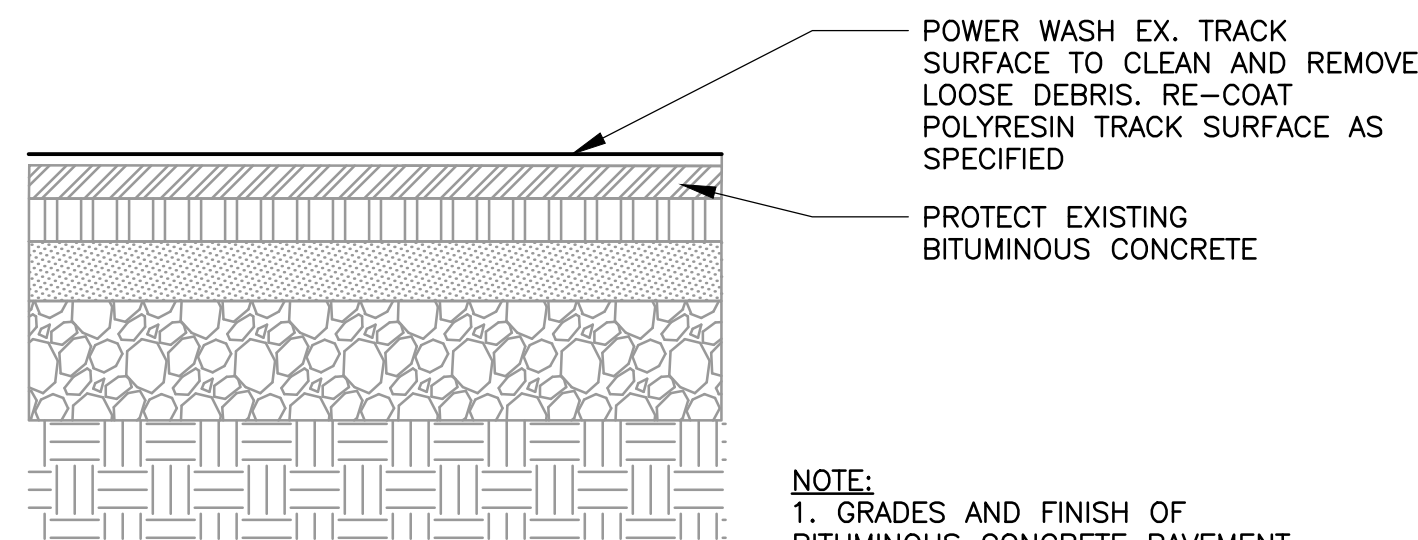
BRANDEIS ROAD FIELD
LAYOUT AND MATERIALS PLAN
(SHEET 2 OF 2)

PROJECT NO. 0865-277031
FILE NAME: C004EXPL
SHEET NO. C-4



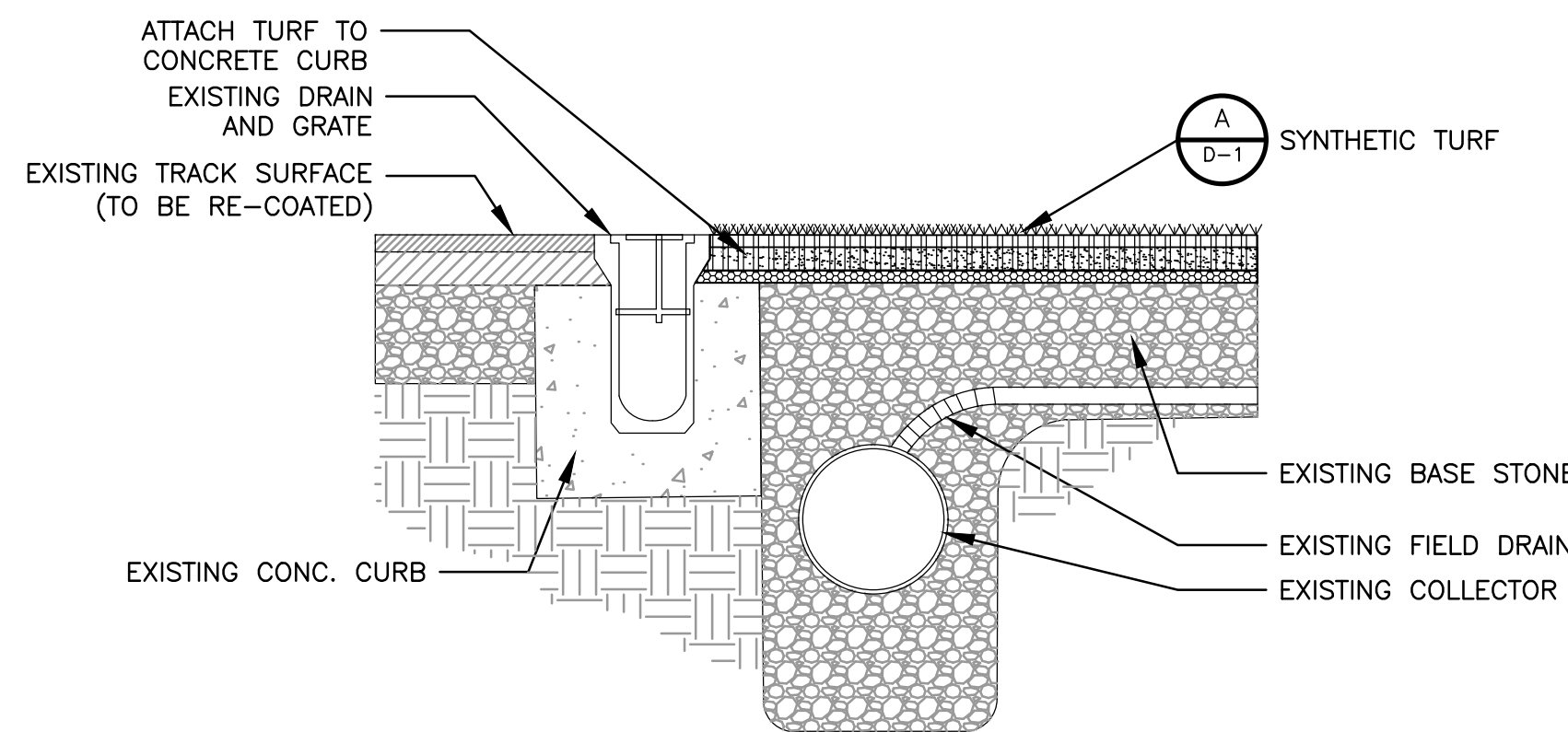
NOTE:
EXISTING TOP STONE SHALL BE REGRADED
AND AUGMENTED AS NECESSARY TO MEET
FINAL GRADES.

SYNTHETIC TURF FIELD
DETAIL A
NOT TO SCALE D-1

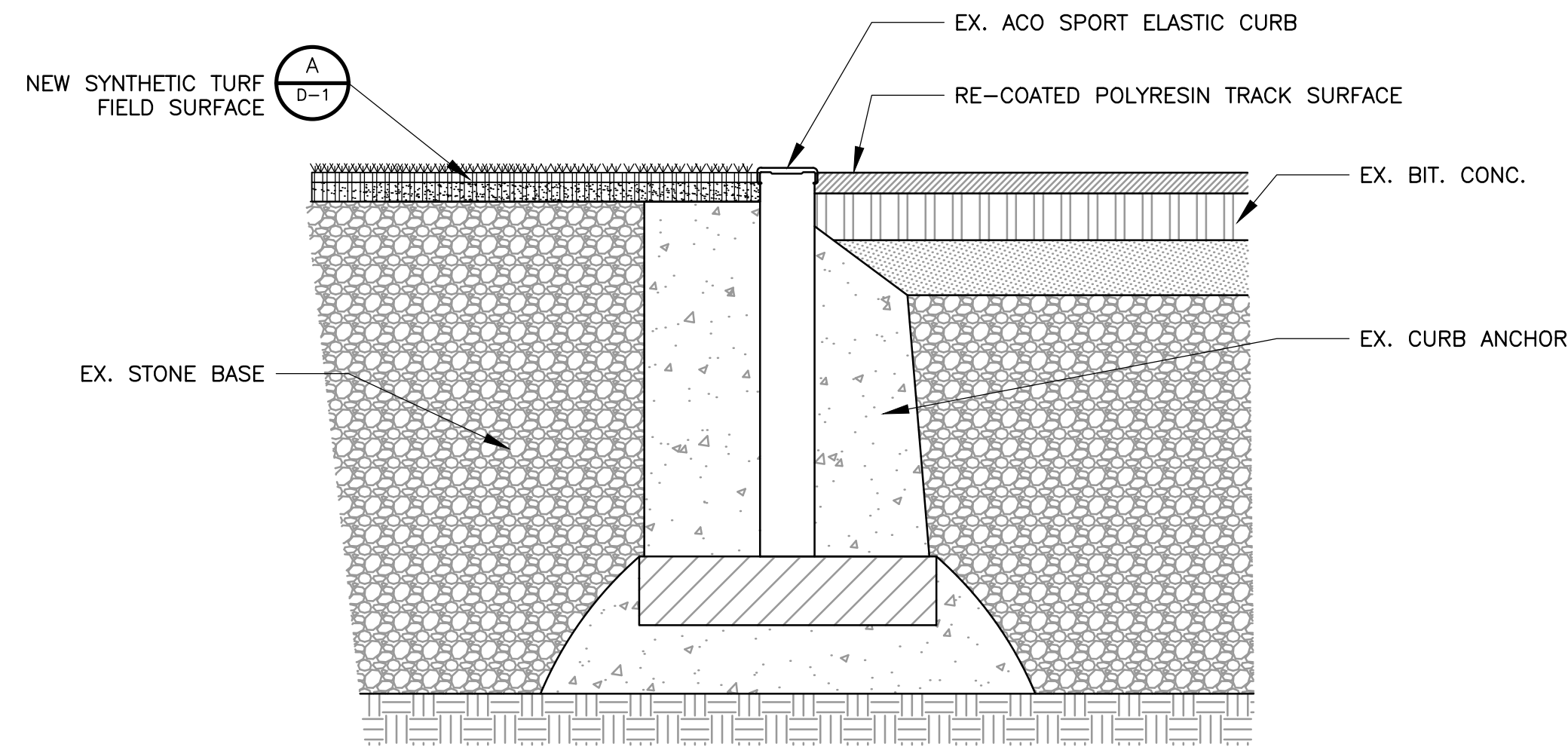


NOTE:
1. GRADES AND FINISH OF
BITUMINOUS CONCRETE PAVEMENT
SHALL BE REVIEWED AND APPROVED
BY TRACK SURFACE INSTALLER
PRIOR TO SURFACE APPLICATION.
SEE SPECIFICATIONS.

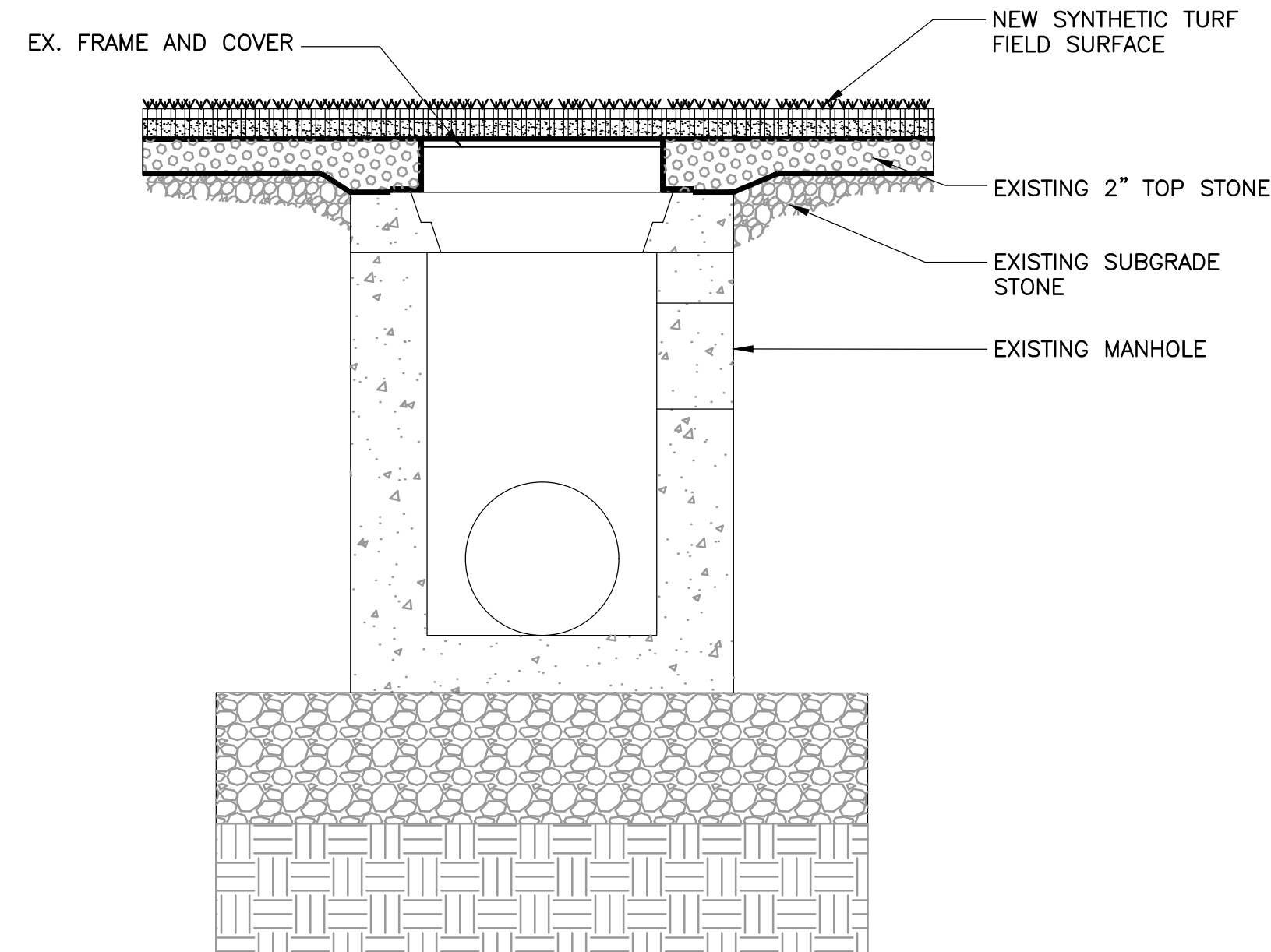
TRACK RESURFACING
DETAIL B
NOT TO SCALE D-1



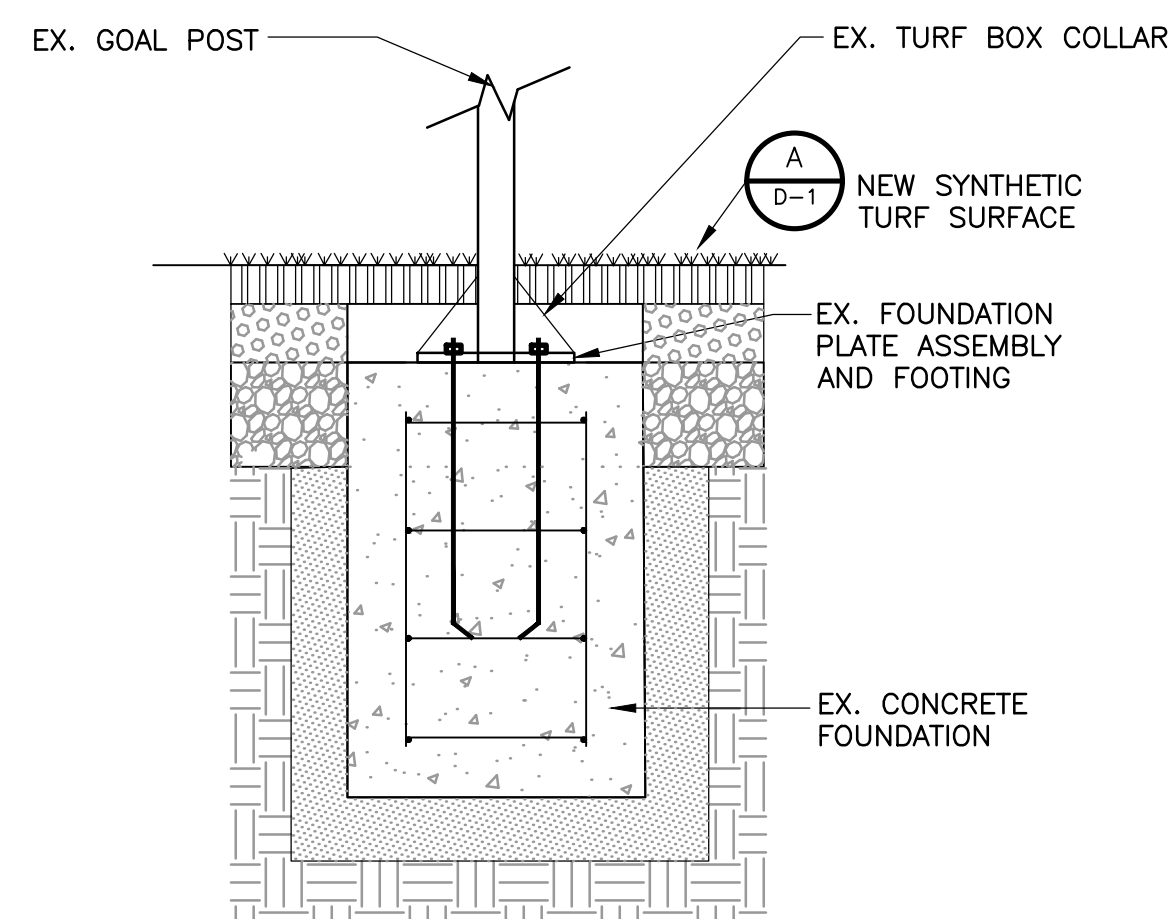
TURF AT EX. TRENCH DRAIN
DETAIL C
NOT TO SCALE D-1



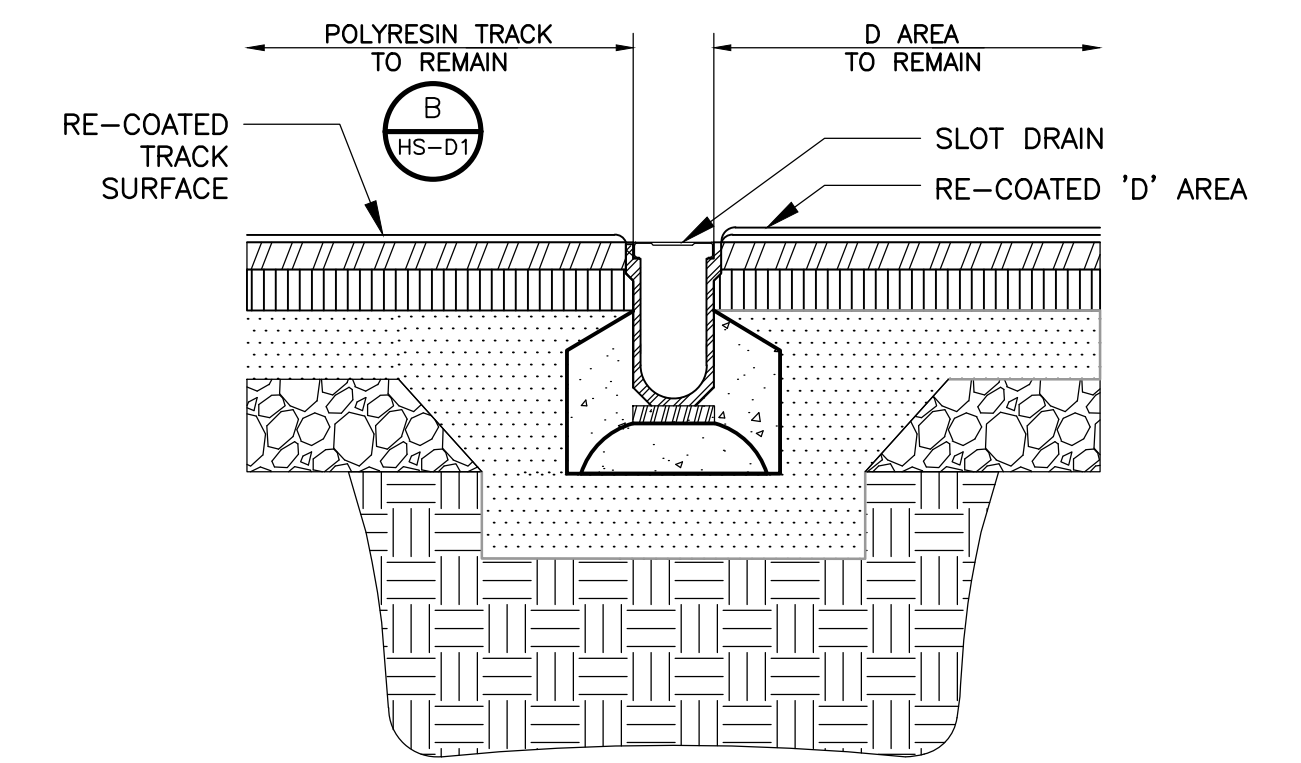
'D' AREA TURF AT EX. CURB
DETAIL D
NTS D-1



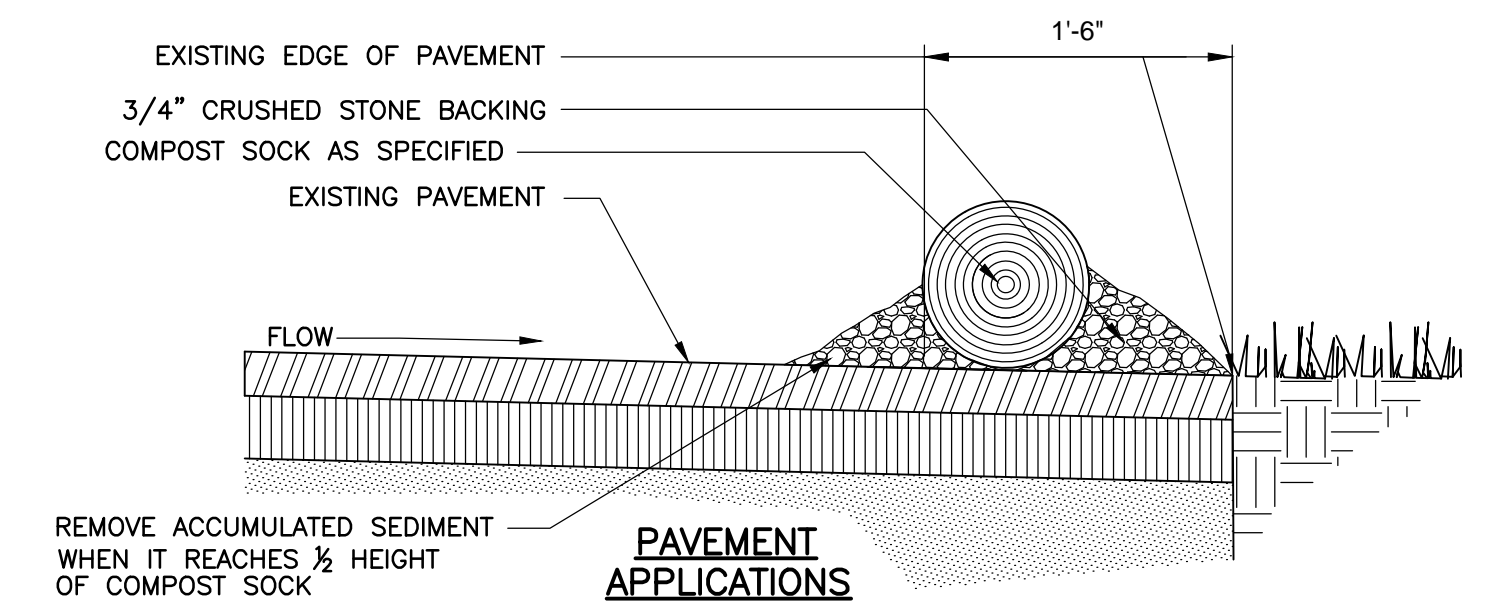
TURF AT EX. MANHOLE COVER
DETAIL E
NTS D-1



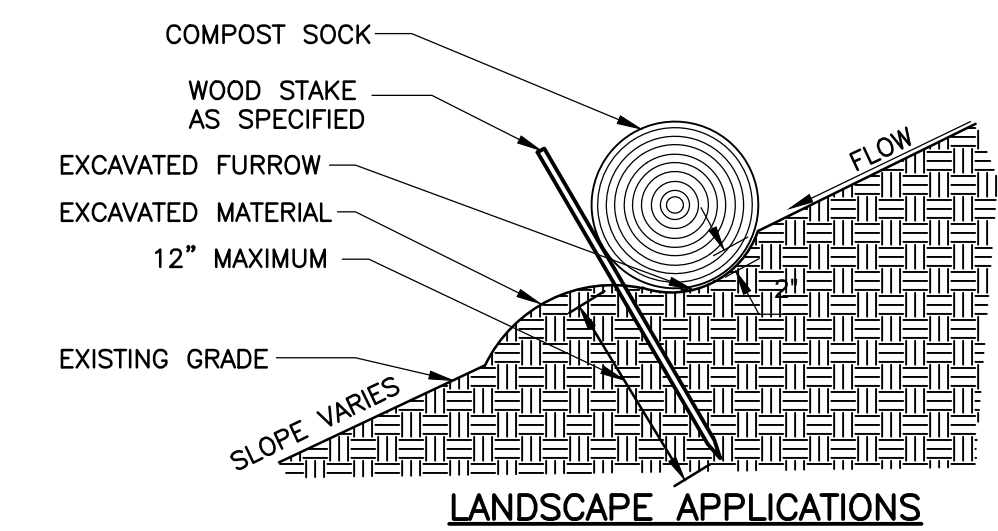
TURF AT EX. GOAL POST FOOTING
DETAIL F
NTS D-1



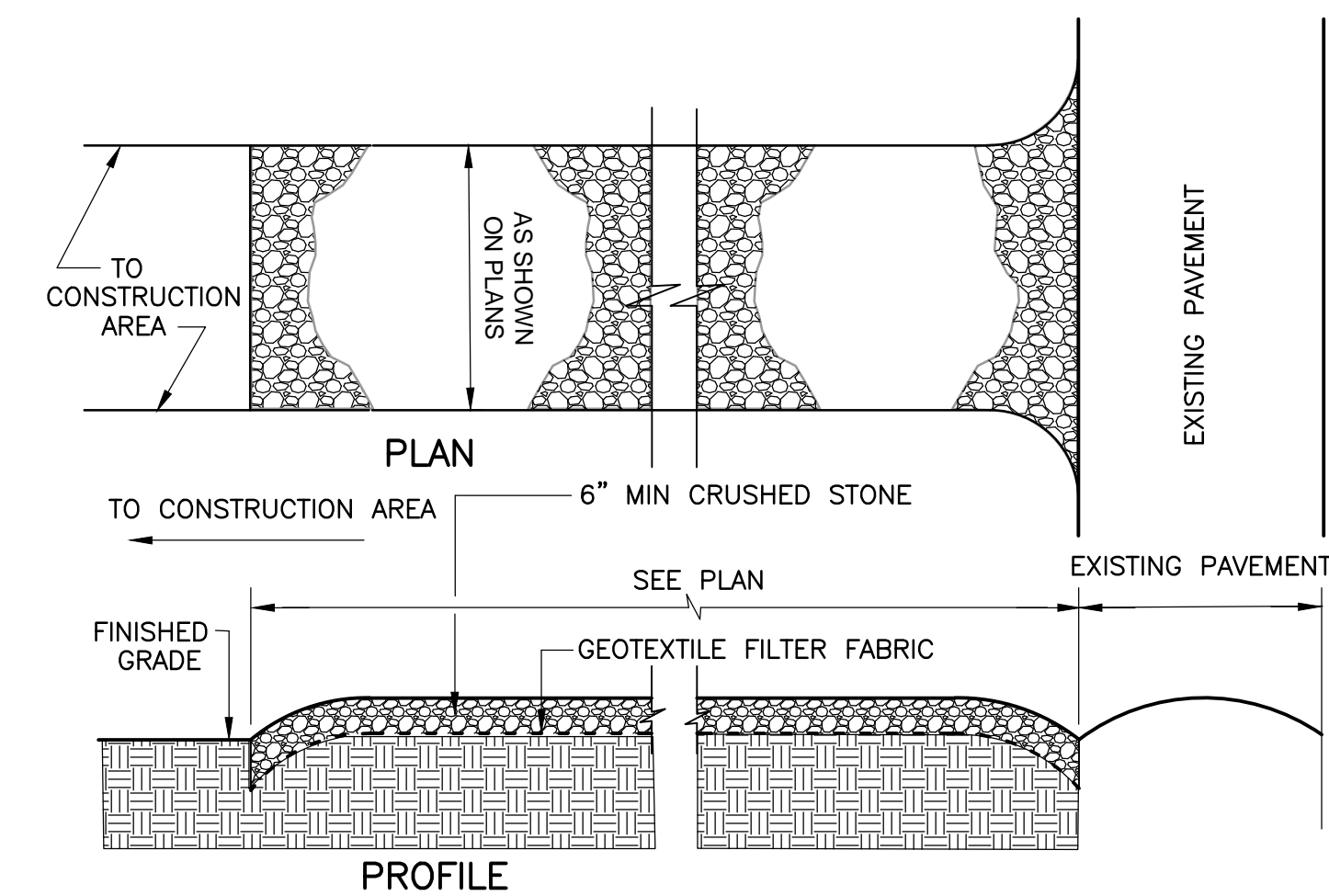
EX. SLOT DRAIN
'D' AREA/ SLOT DRAIN/ TRACK EDGE
DETAIL G
NOT TO SCALE D-1



REMOVE ACCUMULATED SEDIMENT
WHEN IT REACHES 1/2 HEIGHT
OF COMPOST SOCK

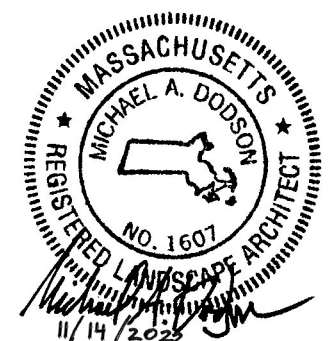


COMPOST SOCK
DETAIL H
SCALE: NTS D-1



STABILIZED CONSTRUCTION ENTRANCE
DETAIL I
NOT TO SCALE D-5

NOTES:
1.) LIMITS OF STABILIZED CONSTRUCTION ENTRANCE SHALL BE APPROVED BY THE ENGINEER.
2.) THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDING STONE TO THE LENGTH OF THE ENTRANCE.
3.) REPAIR AND CLEANOUT MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO EXISTING PAVEMENT SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.



REV. NO.	DATE	DRWN	CHKD	REMARKS

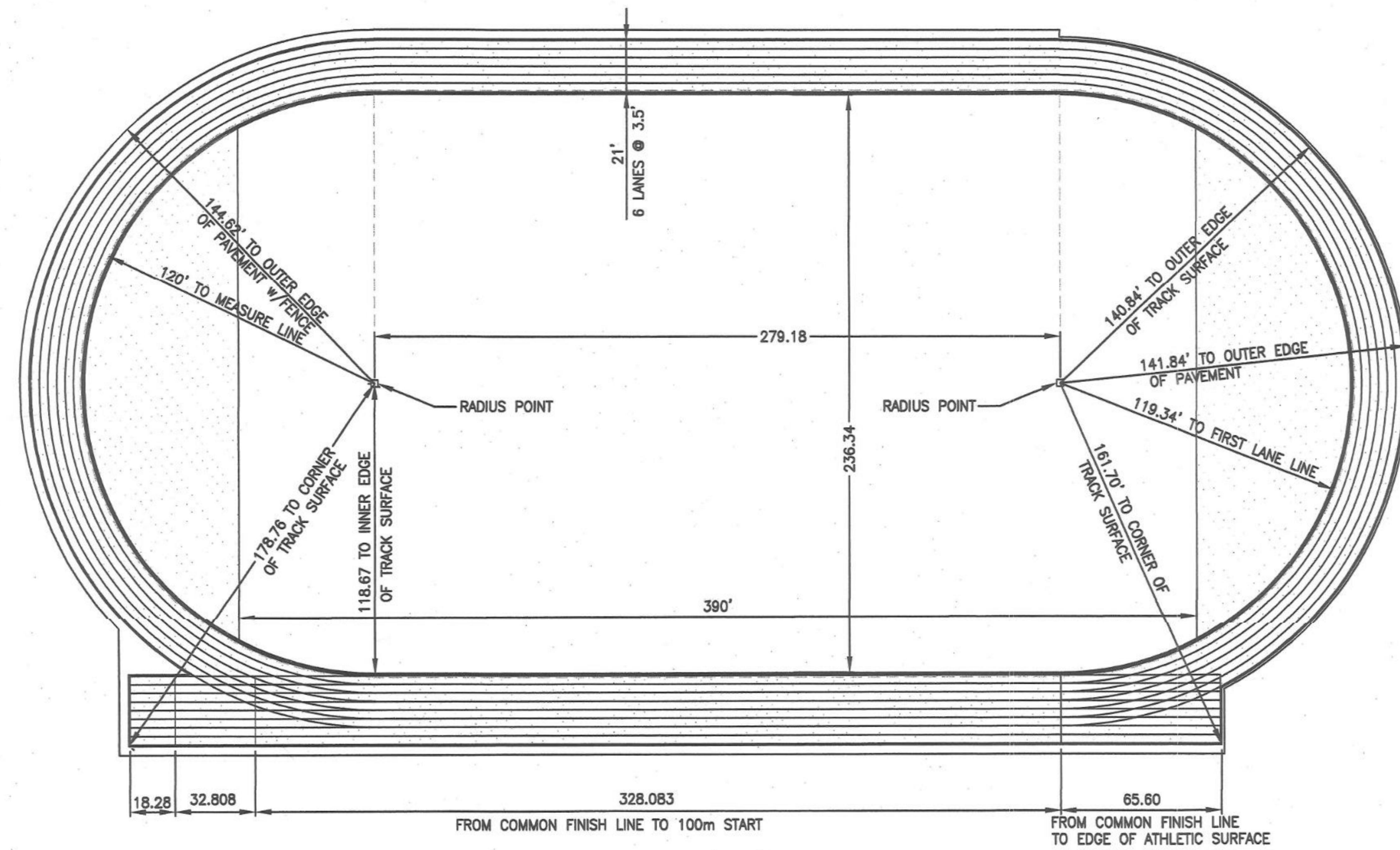
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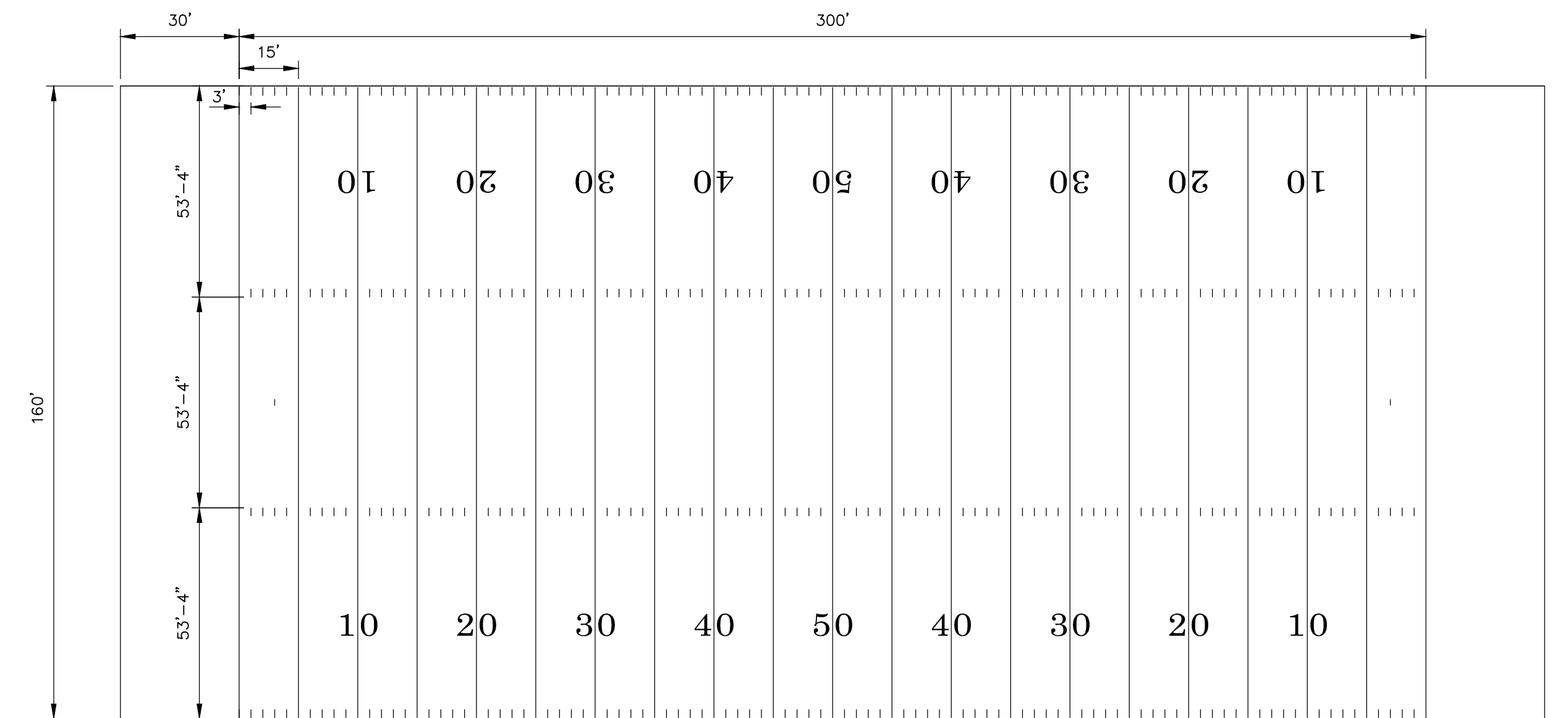
SITE DETAILS I
SHEET NO. D-1

PROJECT NO. 0865-277031
FILE NAME: D001STD.T.dwg
SHEET NO. D-1



TRACK LAYOUT (BASED ON ORIGINAL TRACK DRAWINGS)

DETAIL **A**
NTS D-2

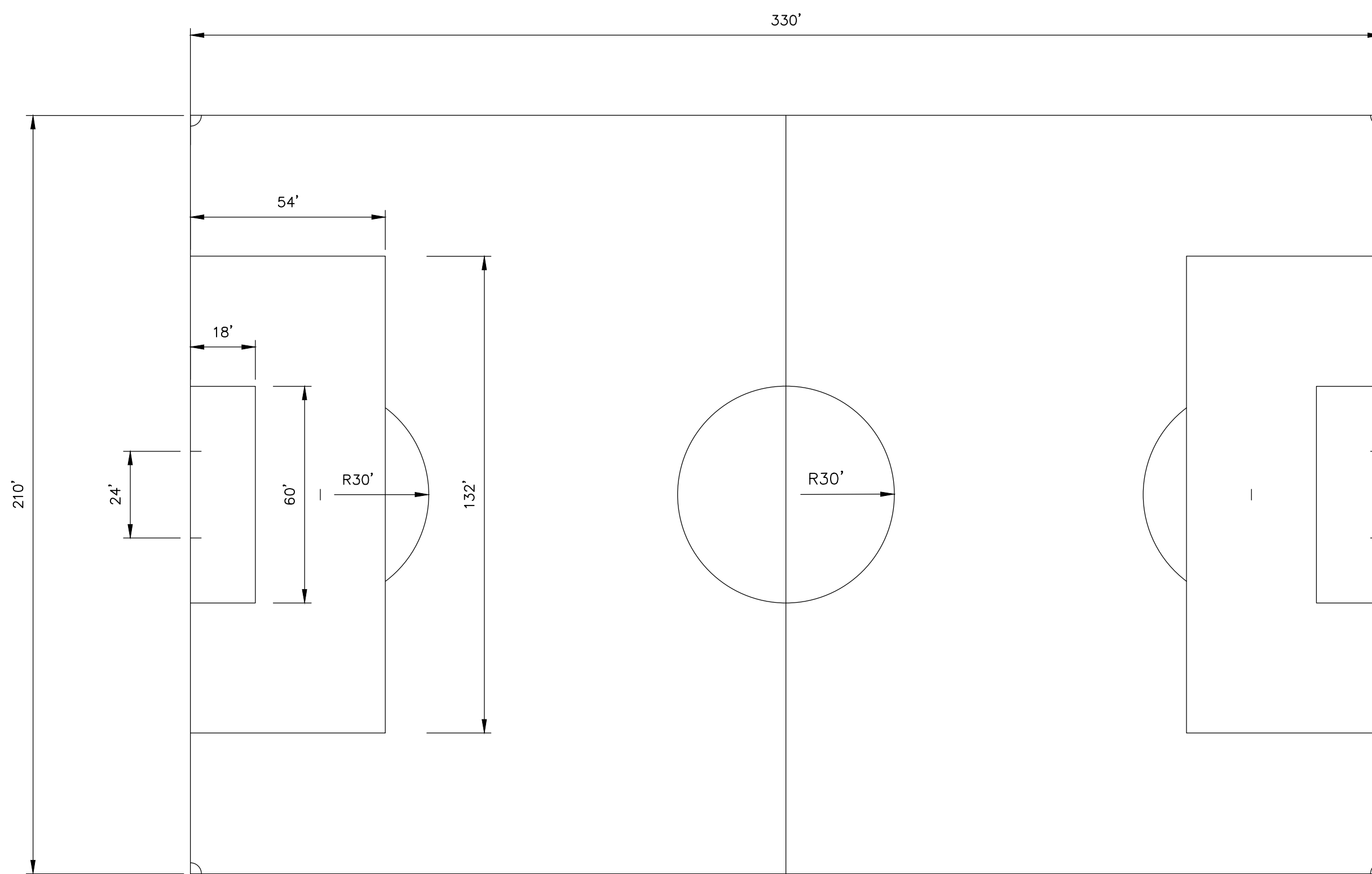


20
FIELD NUMBER DIMENSIONS

FOOTBALL FIELD LAYOUT
DETAIL **C**
1" = 30' D-2

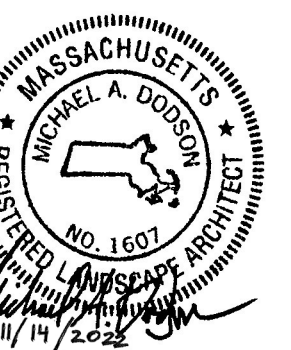
NOTE:

- DRAWING DETAILS ON THIS SHEET ARE FOR REFERENCE ONLY. ALL APPROPRIATE FIELD LINES FOR EACH SPORT MAY NOT BE DEPICTED. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER AND OWNER'S APPROVAL.
- CONFIRM AND PROTECT CONTROL FOR RE-ESTABLISHMENT OF TRACK AND FIELD MARKING PRIOR TO REMOVAL



SOCCER FIELD LAYOUT

DETAIL **B**
1" = 30' D-2



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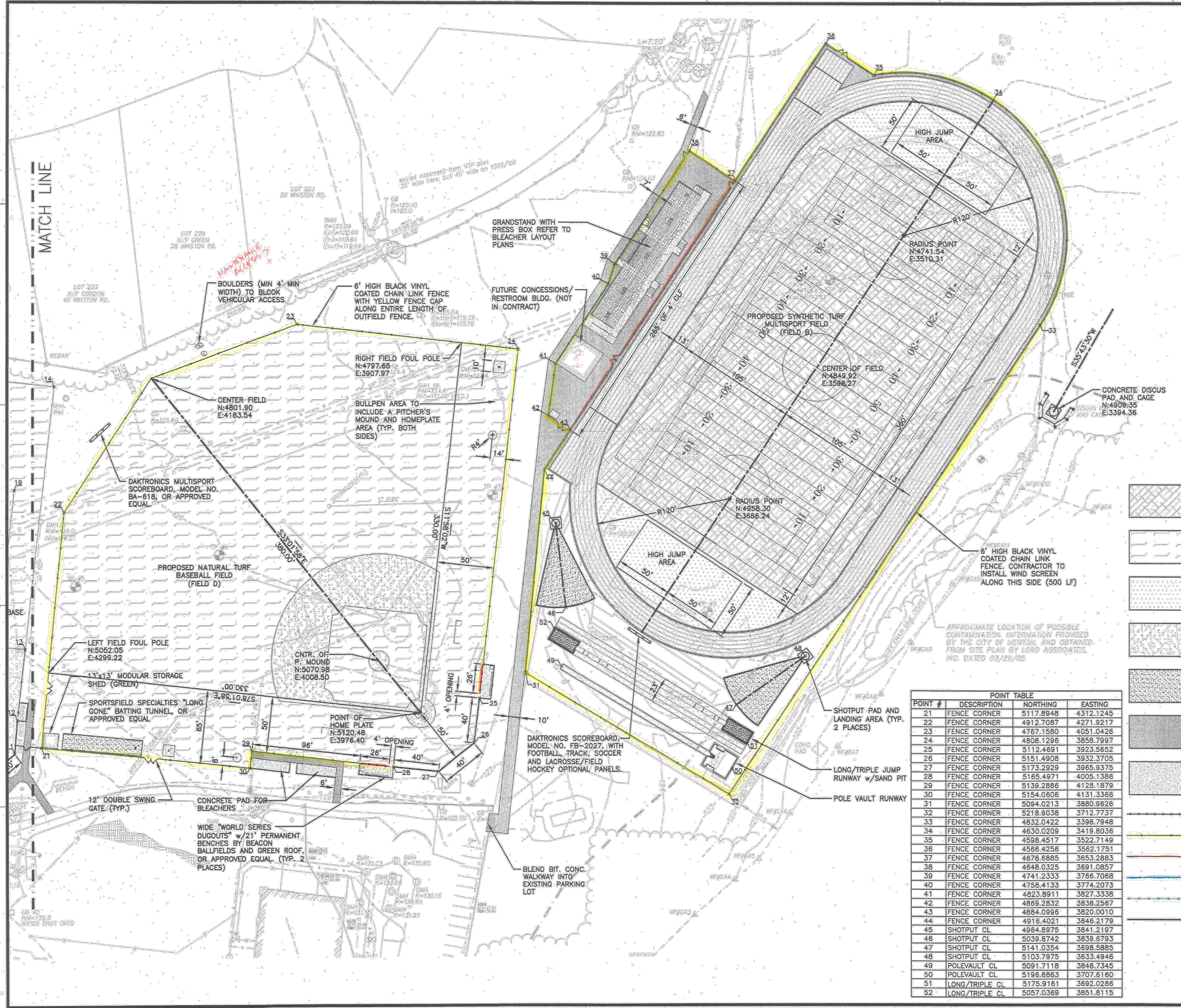


CITY OF NEWTON
NEWTON SOUTH HIGH SCHOOL
TURF AND TRACK REPLACEMENT

FIELD LAYOUTS
SHEET NO. D-2

PROJECT NO. 0865-277031
FILE NAME: D002STD.T.dwg
SHEET NO. D-2

NOTE:
EXISTING CONDITIONS BASED ON
GALE ASSOCIATES, INC. DESIGN
PLANS DATED MARCH 25, 2009.



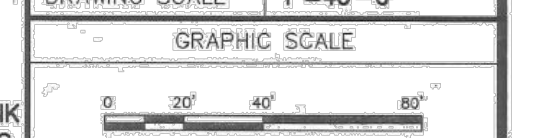
GALE
 Gale Associates, Inc.
 Engineers and Planners
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PROJECT
NEWTON SOUTH HIGH SCHOOL ATHLETIC CAMPUS RENOVATION PROJECT
 NEWTON, MA
 OWNER
CITY OF NEWTON DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION

REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	713050C_9
DESIGNED BY	NAC/ABH
DRAWN BY	ABH/WAH
CHECKED BY	PJT
DATE	3/25/09
DRAWING SCALE	1"=40'-0"



SHEET TITLE
LAYOUT AND MATERIALS PLAN
 (SHEET 2)

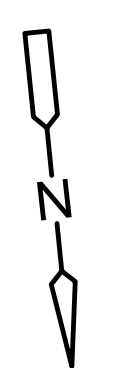
DRAWING NO.
C-9
 PROJECT NO. 713050

- LIMITS OF "FILLED" SYNTHETIC TURF ATHLETIC FIELDS. REFER TO SPECIFICATIONS FOR ACTUAL STRIPING AND PAINTING REQUIREMENTS.
- LIMITS OF NATURAL TURF ATHLETIC FIELDS WITH ENGINEERED SAND-BASE ROOT ZONE WITH SOD.
- LIMITS OF URETHANE SYNTHETIC TRACK SURFACING, BSS-100 AS MANUFACTURED BY BEYONN SPORTS SURFACES, OR APPROVED EQUAL.
- LIMITS OF "NATIVE INFIELD MIX" AS MANUFACTURED BY READ CUSTOM SOILS, OR APPROVED EQUAL.
- LIMITS OF STONEDUST SURFACING (IN BATTING TUNNEL AND SHOTPUT AREA).
- LIMITS OF BITUMINOUS CONCRETE PAVEMENT INCLUDING SIDEWALKS AND EXPOSED SURFACING IN TRACK AND FIELD AREA.
- LIMITS OF CAST-IN-PLACE CONCRETE PADS.
- LIMITS OF 8" HIGH BLACK VINYL COATED CHAIN LINK FENCE, FABRIC AND POSTS (IN FRONT OF DUGOUTS).
- LIMITS OF 8" HIGH BLACK VINYL COATED CHAIN LINK FENCE, FABRIC AND POSTS.
- LIMITS OF 4" HIGH BLACK VINYL COATED CHAIN LINK FENCE, FABRIC AND POSTS.
- LIMITS OF 20" HIGH BLACK VINYL COATED CHAIN LINK FENCE, FABRIC AND POSTS.
- LIMITS OF 20" HIGH BLACK PROTECTIVE NETTING AS MANUFACTURED BY BEACON BALLFIELDS.
- LIMITS OF 25" HIGH BLACK VINYL COATED BACKSTOPS (NO OVERHANG)

POINT TABLE

POINT #	DESCRIPTION	NORTHING	EASTING
21	FENCE CORNER	5117.8948	4312.1245
22	FENCE CORNER	4912.7087	4271.9217
23	FENCE CORNER	4767.1580	4051.0426
24	FENCE CORNER	4808.1296	3858.7997
25	FENCE CORNER	5112.4691	3923.5652
26	FENCE CORNER	5151.4908	3932.3705
27	FENCE CORNER	5173.2929	3965.9375
28	FENCE CORNER	5165.4971	4005.1386
29	FENCE CORNER	5139.2886	4128.1879
30	FENCE CORNER	5154.0606	4131.3366
31	FENCE CORNER	5094.0213	3880.9826
32	FENCE CORNER	5218.9038	3712.7737
33	FENCE CORNER	4832.0422	3398.7948
34	FENCE CORNER	4630.0209	3419.8036
35	FENCE CORNER	4598.4517	3522.7149
36	FENCE CORNER	4566.4258	3582.1751
37	FENCE CORNER	4678.6885	3653.2883
38	FENCE CORNER	4648.0325	3691.0857
39	FENCE CORNER	4741.2333	3766.7068
40	FENCE CORNER	4758.4133	3774.2073
41	FENCE CORNER	4823.8911	3827.3338
42	FENCE CORNER	4859.2932	3838.2567
43	FENCE CORNER	4884.0986	3820.0010
44	FENCE CORNER	4916.4021	3846.2179
45	SHOTPUT CL	4964.8975	3841.2197
46	SHOTPUT CL	5039.8742	3839.8793
47	SHOTPUT CL	5141.0354	3698.8885
48	SHOTPUT CL	5103.7975	3633.4946
49	POLEVAULT CL	5091.7118	3648.7345
50	POLEVAULT CL	5196.8863	3707.6180
51	LONG/TRIPLE CL	5175.9161	3692.0286
52	LONG/TRIPLE CL	5057.0369	3851.8115

BID SET



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. HEIL
 DRAWN BY: A. CARRANO
 SHEET CHK'D BY: M. DODSON
 CROSS CHK'D BY: K. DRAKE
 APPROVED BY: M. DODSON
 DATE: NOVEMBER 2022

CDM Smith
 75 State Street, Suite 701
 Boston, MA 02109
 Tel: (617) 452-6000

CITY OF NEWTON
 NEWTON SOUTH HIGH SCHOOL
 TURF AND TRACK REPLACEMENT

EXISTING CONDITIONS PLAN
 (SHEET 1 OF 6)

PROJECT NO. 0865-277031
 FILE NAME: C00AEXPL
 SHEET NO. C-A

NOTE:
EXISTING CONDITIONS BASED ON
GALE ASSOCIATES, INC. DESIGN
PLANS DATED MARCH 25, 2009.



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PROJECT
NEWTON SOUTH HIGH SCHOOL
ATHLETIC CAMPUS
RENOVATION PROJECT
NEWTON, MA

OWNER
CITY OF NEWTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

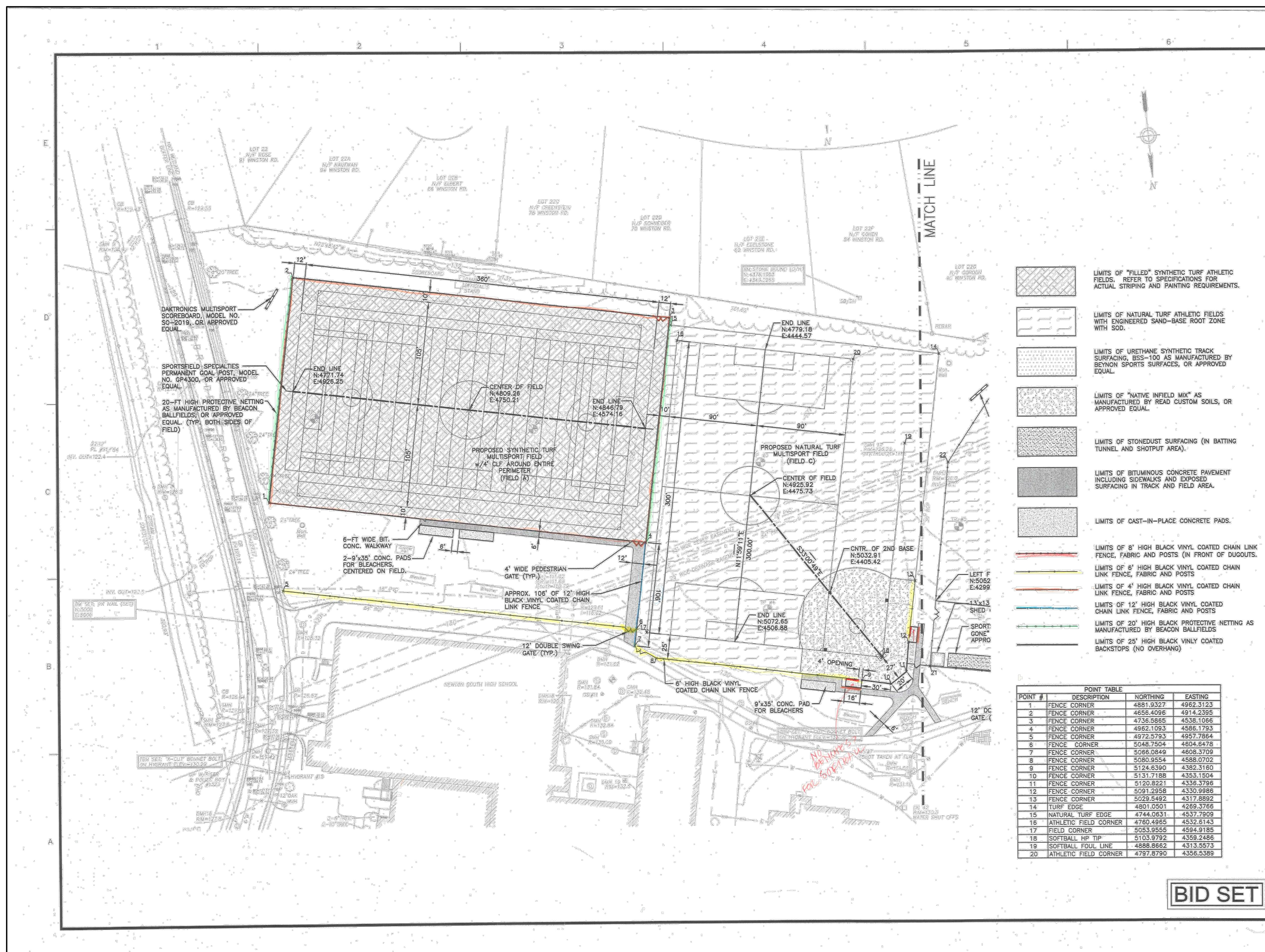
REVISIONS

NO.	DATE	DESCRIPTION

CADD FILE	713050C-8
DESIGNED BY	NAC/ABH
DRAWN BY	ABH/WAH
CHECKED BY	PJT
DATE	3/25/09
DRAWING SCALE	1"=40'-0"
GRAPHIC SCALE	0 20' 40' 80'

SHEET TITLE
LAYOUT AND
MATERIALS
PLAN
(SHEET 1)

DRAWING NO.
C-8
PROJECT NO. 713050



- LIMITS OF "FILLED" SYNTHETIC TURF ATHLETIC FIELDS. REFER TO SPECIFICATIONS FOR ACTUAL STRIPING AND PAINTING REQUIREMENTS.
- LIMITS OF NATURAL TURF ATHLETIC FIELDS WITH ENGINEERED SAND-BASE ROOT ZONE WITH SOD.
- LIMITS OF URETHANE SYNTHETIC TRACK SURFACING, 335-100 AS MANUFACTURED BY BEYONC SPORTS SURFACES, OR APPROVED EQUAL.
- LIMITS OF "NATIVE INFIELD MIX" AS MANUFACTURED BY READ CUSTOM SOILS, OR APPROVED EQUAL.
- LIMITS OF STONEDUST SURFACING (IN BATTING TUNNEL AND SHOTPUT AREA).
- LIMITS OF BITUMINOUS CONCRETE PAVEMENT INCLUDING SIDEWALKS AND EXPOSED SURFACING IN TRACK AND FIELD AREA.
- LIMITS OF CAST-IN-PLACE CONCRETE PADS.
- LIMITS OF 8' HIGH BLACK VINYL COATED CHAIN LINK FENCE, FABRIC AND POSTS (IN FRONT OF DUGOUTS).
- LIMITS OF 6' HIGH BLACK VINYL COATED CHAIN LINK FENCE, FABRIC AND POSTS.
- LIMITS OF 4' HIGH BLACK VINYL COATED CHAIN LINK FENCE, FABRIC AND POSTS.
- LIMITS OF 12' HIGH BLACK VINYL COATED CHAIN LINK FENCE, FABRIC AND POSTS.
- LIMITS OF 20' HIGH BLACK PROTECTIVE NETTING AS MANUFACTURED BY BEACON BALLFIELDS.
- LIMITS OF 25' HIGH BLACK VINYL COATED BACKSTOPS (NO OVERHANG)

POINT TABLE

POINT #	DESCRIPTION	NORTHING	EASTING
1	FENCE CORNER	4881.9327	4962.3123
2	FENCE CORNER	4658.4096	4914.2395
3	FENCE CORNER	4736.5865	4538.1066
4	FENCE CORNER	4962.1093	4586.1793
5	FENCE CORNER	4972.5793	4957.7864
6	FENCE CORNER	5048.7504	4804.8478
7	FENCE CORNER	5086.0849	4608.3709
8	FENCE CORNER	5080.9554	4588.0702
9	FENCE CORNER	5124.6390	4382.3160
10	FENCE CORNER	5131.7188	4353.1504
11	FENCE CORNER	5120.8221	4336.3796
12	FENCE CORNER	5091.2958	4330.9986
13	FENCE CORNER	5029.5492	4317.8892
14	TURF EDGE	4901.0501	4269.3765
15	NATURAL TURF EDGE	4744.0631	4337.7909
16	ATHLETIC FIELD CORNER	4760.4965	4532.6143
17	FIELD CORNER	5053.9555	4594.9185
18	SOFTBALL HP TIP	5103.9792	4359.2486
19	SOFTBALL FOUL LINE	4888.8662	4313.5573
20	ATHLETIC FIELD CORNER	4797.8790	4356.5389

BID SET

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. HEIL
DRAWN BY: A. CARRANO
SHEET CHK'D BY: M. DODSON
CROSS CHK'D BY: K. DRAKE
APPROVED BY: M. DODSON
DATE: NOVEMBER 2022

CDM Smith
75 State Street, Suite 701
Boston, MA 02109
Tel: (617) 452-6000

CITY OF NEWTON
NEWTON SOUTH HIGH SCHOOL
TURF AND TRACK REPLACEMENT

EXISTING CONDITIONS PLAN
(SHEET 2 OF 6)

PROJECT NO. 0865-277031
FILE NAME: COOBEXPL
SHEET NO. C-B

NOTE:
EXISTING CONDITIONS BASED ON
GALE ASSOCIATES, INC. DESIGN
PLANS DATED MARCH 25, 2009.



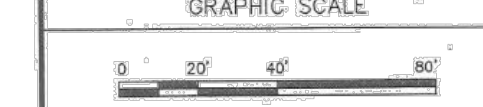
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183 LIBBEY PARKWAY | WEYMOUTH, MA 02189
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Boston Baltimore Orlando San Francisco

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PROJECT
**NEWTON SOUTH HIGH SCHOOL
ATHLETIC CAMPUS
RENOVATION PROJECT
NEWTON, MA**
OWNER
CITY OF NEWTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

REVISIONS	
NO.	DESCRIPTION

CADD FILE	713050_C-11
DESIGNED BY	NAC/ABH
DRAWN BY	ABH
CHECKED BY	PJT
DATE	3/25/09
DRAWING SCALE	1"=40'-0"

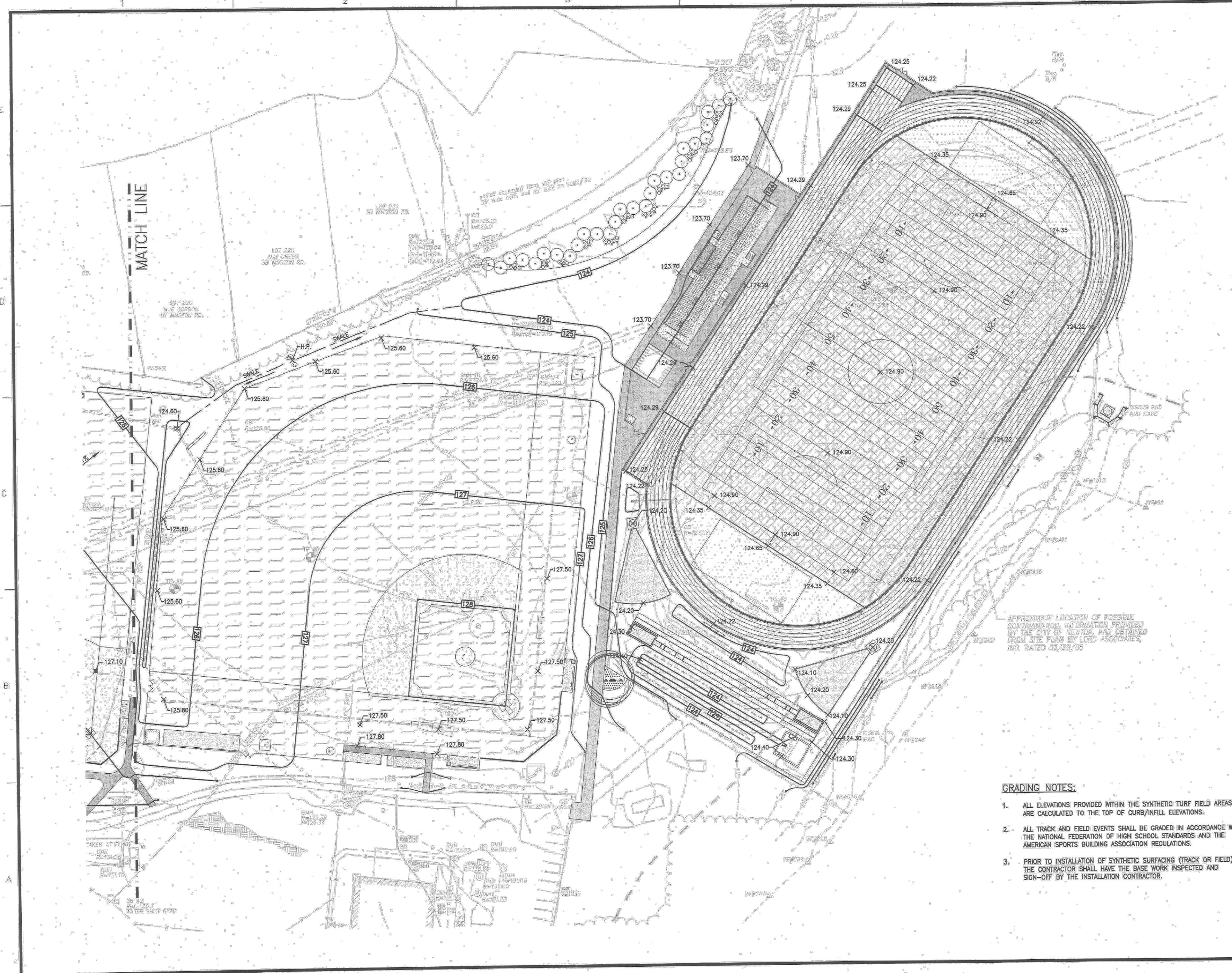


SHEET TITLE

**GRADING
PLAN
(SHEET 2)**

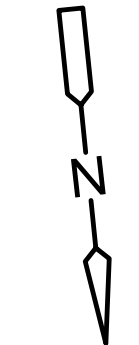
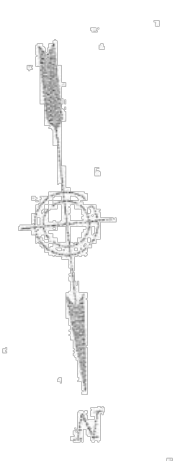
DRAWING NO.
C-11
PROJECT NO. 713050

BID SET



APPROXIMATE LOCATION OF POSSIBLE
CONTAMINATION INFORMATION PROVIDED
BY THE CITY OF NEWTON, AND OBTAINED
FROM SITE PLAN BY LOGIC ASSOCIATES,
INC. DATED 03/22/09

- GRADING NOTES:**
- ALL ELEVATIONS PROVIDED WITHIN THE SYNTHETIC TURF FIELD AREAS ARE CALCULATED TO THE TOP OF CURB/FILL ELEVATIONS.
 - ALL TRACK AND FIELD EVENTS SHALL BE GRADED IN ACCORDANCE WITH THE NATIONAL FEDERATION OF HIGH SCHOOL STANDARDS AND THE AMERICAN SPORTS BUILDING ASSOCIATION REGULATIONS.
 - PRIOR TO INSTALLATION OF SYNTHETIC SURFACING (TRACK OR FIELD) THE CONTRACTOR SHALL HAVE THE BASE WORK INSPECTED AND SIGN-OFF BY THE INSTALLATION CONTRACTOR.



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. HEIL
DRAWN BY: A. CARRANO
SHEET CHK'D BY: M. DODSON
CROSS CHK'D BY: K. DRAKE
APPROVED BY: M. DODSON
DATE: NOVEMBER 2022

**CDM
Smith**
75 State Street, Suite 701
Boston, MA 02109
Tel: (617) 452-6000

CITY OF NEWTON
**NEWTON SOUTH HIGH SCHOOL
TURF AND TRACK REPLACEMENT**

**EXISTING CONDITIONS PLAN
(SHEET 3 OF 6)**

PROJECT NO.	0865-277031
FILE NAME:	COOCEXP.L.dwg
SHEET NO.	C-C

SHEET FOR
REFERENCE ONLY

NOTE:
EXISTING CONDITIONS BASED ON
GALE ASSOCIATES, INC. DESIGN
PLANS DATED MARCH 25, 2009.



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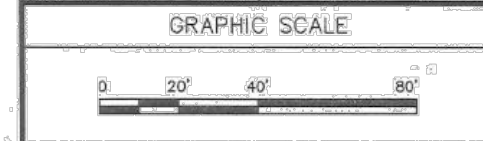
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PROJECT
NEWTON SOUTH HIGH SCHOOL
ATHLETIC CAMPUS
RENOVATION PROJECT
NEWTON, MA

OWNER
CITY OF NEWTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

REVISIONS	
NO.	DESCRIPTION

CADD FILE	713050C-10
DESIGNED BY	NAC
DRAWN BY	ABH
CHECKED BY	PJT
DATE	3/25/09
DRAWING SCALE	1"=40'-0"



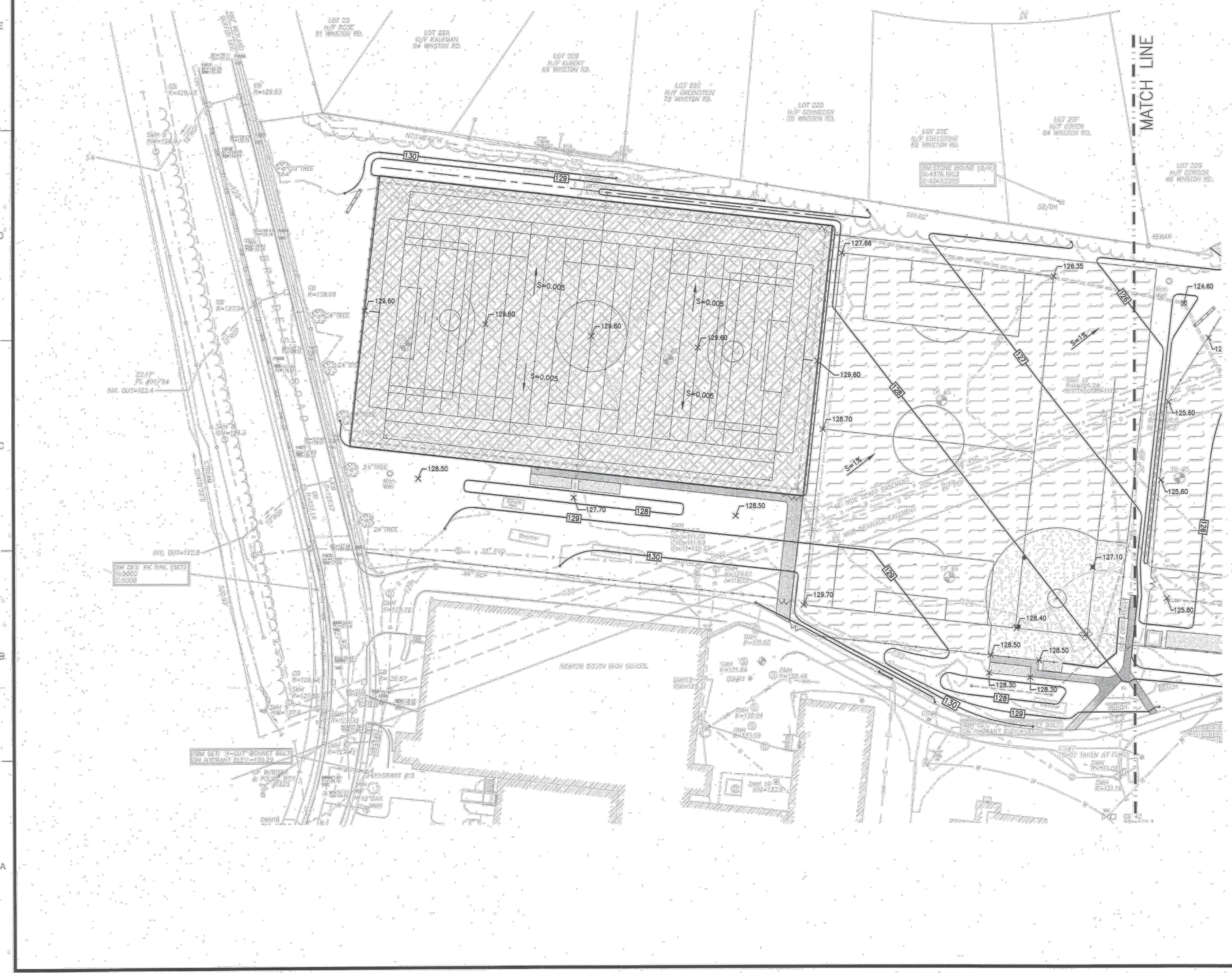
SHEET TITLE

GRADING
PLAN
(SHEET 1)

DRAWING NO.
C-10
PROJECT NO. 713050

BID SET

- GRADING NOTES:**
- ALL ELEVATIONS PROVIDED WITHIN THE SYNTHETIC TURF FIELD AREAS ARE CALCULATED TO THE TOP OF CURB/INFILL ELEVATIONS.
 - ALL TRACK AND FIELD EVENTS SHALL BE GRADED IN ACCORDANCE WITH THE NATIONAL FEDERATION OF HIGH SCHOOL STANDARDS AND THE AMERICAN SPORTS BUILDING ASSOCIATION REGULATIONS.
 - PRIOR TO INSTALLATION OF SYNTHETIC SURFACING (TRACK OR FIELD) THE CONTRACTOR SHALL HAVE THE BASE WORK INSPECTED AND SIGN-OFFED BY THE INSTALLATION CONTRACTOR.



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. HEIL
DRAWN BY: A. CARRANO
SHEET CHK'D BY: M. DODSON
CROSS CHK'D BY: K. DRAKE
APPROVED BY: M. DODSON
DATE: NOVEMBER 2022

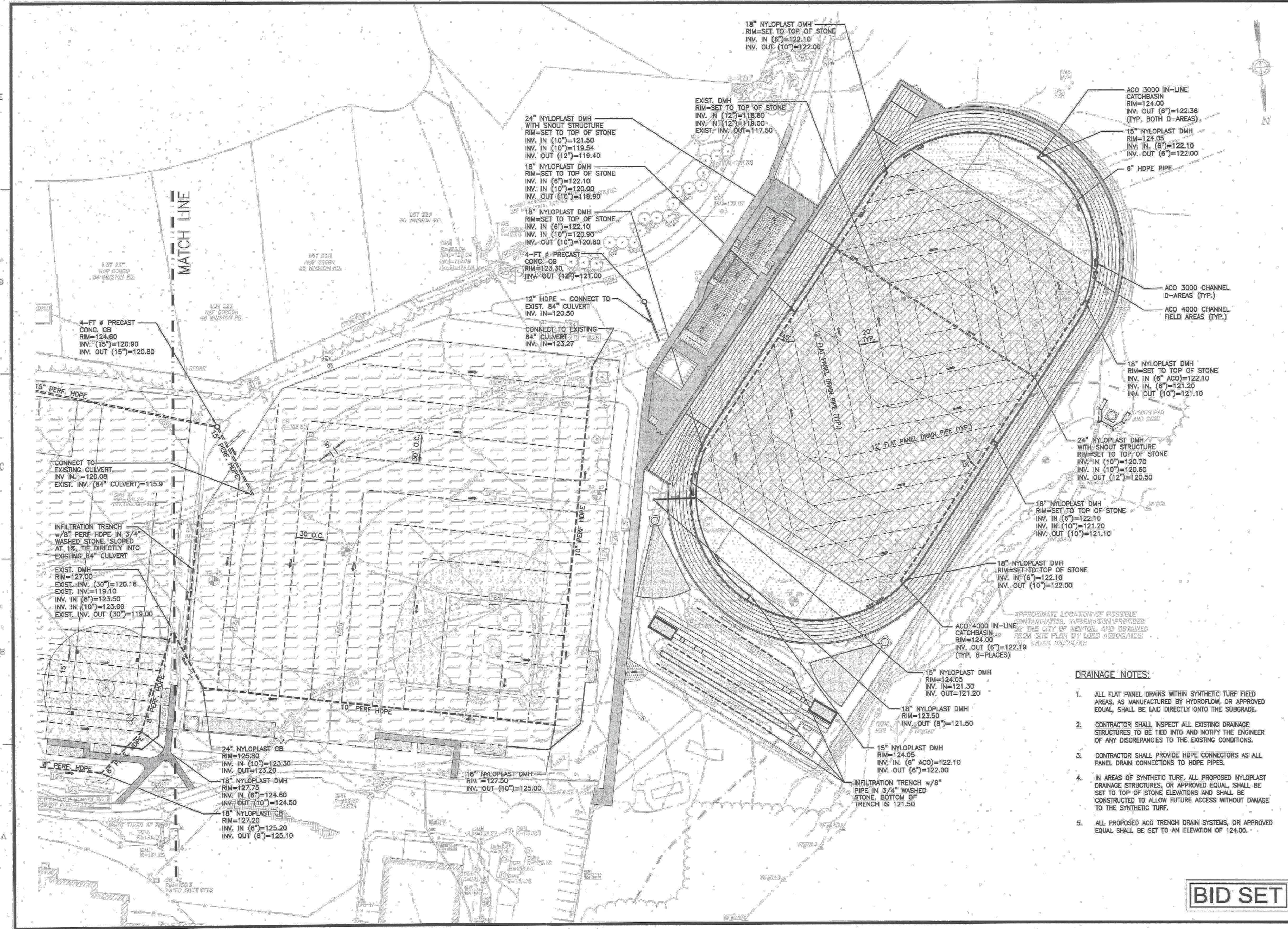



CITY OF NEWTON
NEWTON SOUTH HIGH SCHOOL
TURF AND TRACK REPLACEMENT

EXISTING CONDITIONS PLAN
(SHEET 4 OF 6)

PROJECT NO. 0865-277031
FILE NAME: CODEXPL.dwg
SHEET NO.
C-D

NOTE:
EXISTING CONDITIONS BASED ON
GALE ASSOCIATES, INC. DESIGN
PLANS DATED MARCH 25, 2009.





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PROJECT
**NEWTON SOUTH HIGH SCHOOL
ATHLETIC CAMPUS
RENOVATION PROJECT
NEWTON, MA**

OWNER
**CITY OF NEWTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION**

REVISIONS		
NO.	DATE	DESCRIPTION

CADD FILE	713050_C-13
DESIGNED BY	NAC/ABH
DRAWN BY	ABH
CHECKED BY	PJT
DATE	3/25/09
DRAWING SCALE	1"=40'-0"
GRAPHIC SCALE	
0 20' 40' 80'	
SHEET TITLE	
DRAINAGE PLAN (SHEET 2)	
DRAWING NO.	
C-13	
PROJECT NO. 713050	

- DRAINAGE NOTES:**
- ALL FLAT PANEL DRAINS WITHIN SYNTHETIC TURF FIELD AREAS, AS MANUFACTURED BY HYDROFLOW, OR APPROVED EQUAL, SHALL BE LAID DIRECTLY ONTO THE SUBGRADE.
 - CONTRACTOR SHALL INSPECT ALL EXISTING DRAINAGE STRUCTURES TO BE TIED INTO AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES TO THE EXISTING CONDITIONS.
 - CONTRACTOR SHALL PROVIDE HDPE CONNECTORS AS ALL PANEL DRAIN CONNECTIONS TO HDPE PIPES.
 - IN AREAS OF SYNTHETIC TURF, ALL PROPOSED NYLOPLAST DRAINAGE STRUCTURES, OR APPROVED EQUAL, SHALL BE SET TO TOP OF STONE ELEVATIONS AND SHALL BE CONSTRUCTED TO ALLOW FUTURE ACCESS WITHOUT DAMAGE TO THE SYNTHETIC TURF.
 - ALL PROPOSED ACO TRENCH DRAIN SYSTEMS, OR APPROVED EQUAL SHALL BE SET TO AN ELEVATION OF 124.00.

BID SET



SHEET FOR
REFERENCE ONLY

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. HEIL
DRAWN BY: A. CARRANO
SHEET CHK'D BY: M. DODSON
CROSS CHK'D BY: K. DRAKE
APPROVED BY: M. DODSON
DATE: NOVEMBER 2022



75 State Street, Suite 701
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Tel: (617) 452-6000

CITY OF NEWTON
**NEWTON SOUTH HIGH SCHOOL
TURF AND TRACK REPLACEMENT**

**EXISTING CONDITIONS PLAN
(SHEET 5 OF 6)**

PROJECT NO.	0865-277031
FILE NAME:	CODCEXP.dwg
SHEET NO.	C-E

NOTE:
EXISTING CONDITIONS BASED ON
GALE ASSOCIATES, INC. DESIGN
PLANS DATED MARCH 25, 2009.



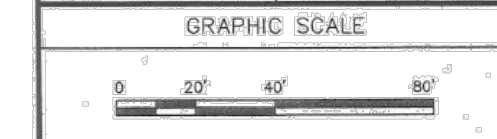
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PROJECT
NEWTON SOUTH HIGH SCHOOL
ATHLETIC CAMPUS
RENOVATION PROJECT
NEWTON, MA
OWNER
CITY OF NEWTON
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

REVISIONS	
NO.	DESCRIPTION

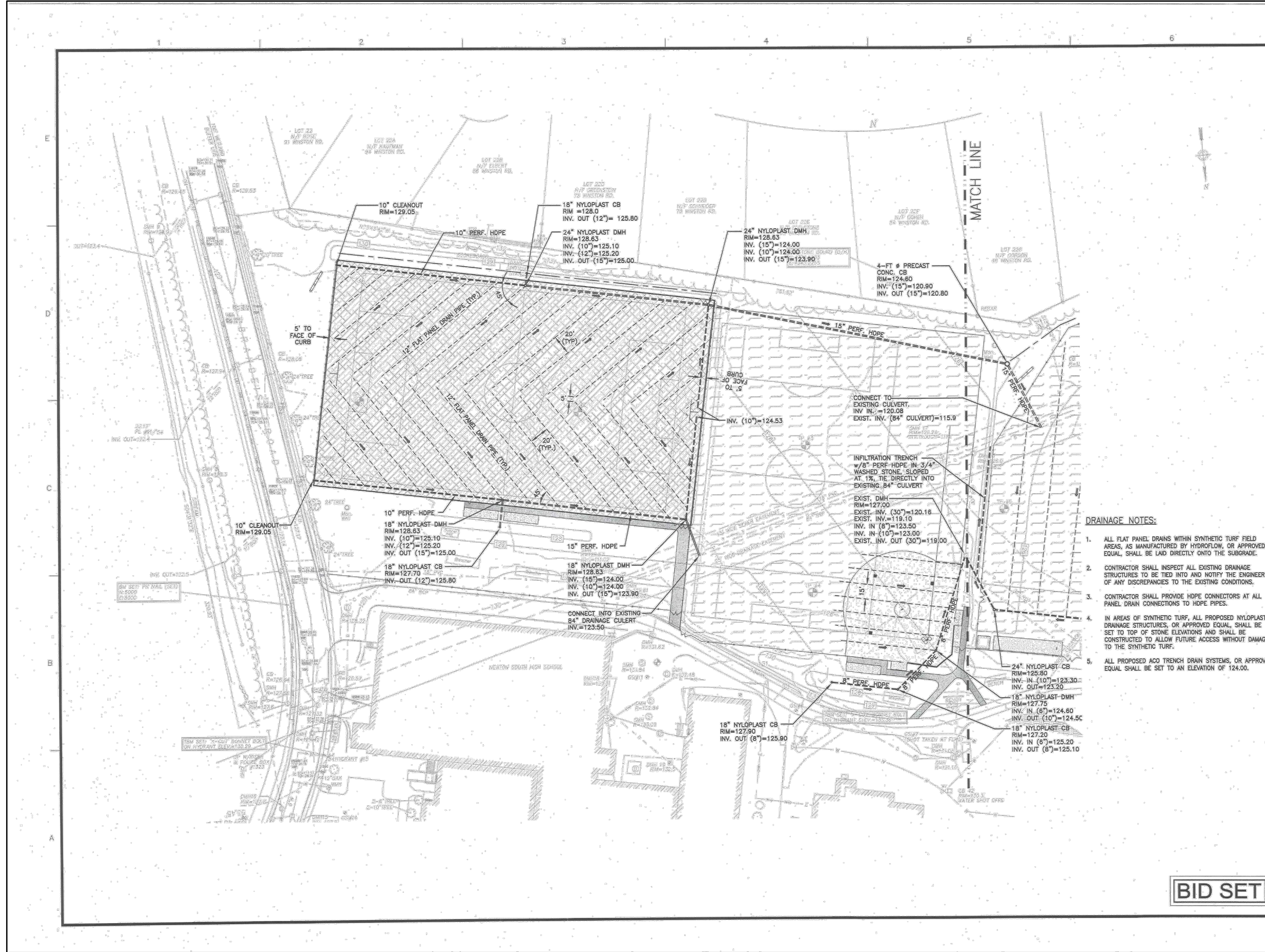
CADD FILE	713050_C-12
DESIGNED BY	NAC/ABH
DRAWN BY	ABH/WAH
CHECKED BY	PJT
DATE	3/25/09
DRAWING SCALE	1"=40'-0"



SHEET TITLE

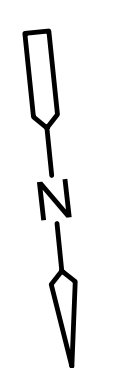
DRAINAGE
PLAN
(SHEET 1)

DRAWING NO.
C-12
PROJECT NO. 713050



- DRAINAGE NOTES:**
- ALL FLAT PANEL DRAINS WITHIN SYNTHETIC TURF FIELD AREAS, AS MANUFACTURED BY HYDROFLOW, OR APPROVED EQUAL, SHALL BE LAID DIRECTLY ONTO THE SUBGRADE.
 - CONTRACTOR SHALL INSPECT ALL EXISTING DRAINAGE STRUCTURES TO BE TIED INTO AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES TO THE EXISTING CONDITIONS.
 - CONTRACTOR SHALL PROVIDE HDPE CONNECTORS AT ALL PANEL DRAIN CONNECTIONS TO HDPE PIPES.
 - IN AREAS OF SYNTHETIC TURF, ALL PROPOSED NYLOPLAST DRAINAGE STRUCTURES, OR APPROVED EQUAL, SHALL BE SET TO TOP OF STONE ELEVATIONS AND SHALL BE CONSTRUCTED TO ALLOW FUTURE ACCESS WITHOUT DAMAGE TO THE SYNTHETIC TURF.
 - ALL PROPOSED ACO TRENCH DRAIN SYSTEMS, OR APPROVED EQUAL SHALL BE SET TO AN ELEVATION OF 124.00.

BID SET



SHEET FOR
REFERENCE ONLY

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. HEIL
DRAWN BY: A. CARRANO
SHEET CHK'D BY: M. DODSON
CROSS CHK'D BY: K. DRAKE
APPROVED BY: M. DODSON
DATE: NOVEMBER 2022

CDM Smith
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Tel: (617) 452-8000

CITY OF NEWTON
NEWTON SOUTH HIGH SCHOOL
TURF AND TRACK REPLACEMENT

EXISTING CONDITIONS PLAN
(SHEET 6 OF 6)

PROJECT NO.	0865-277031
FILE NAME:	COOFEXPL.dwg
SHEET NO.	C-F

