

CITY OF NEWTON, MASSACHUSETTS

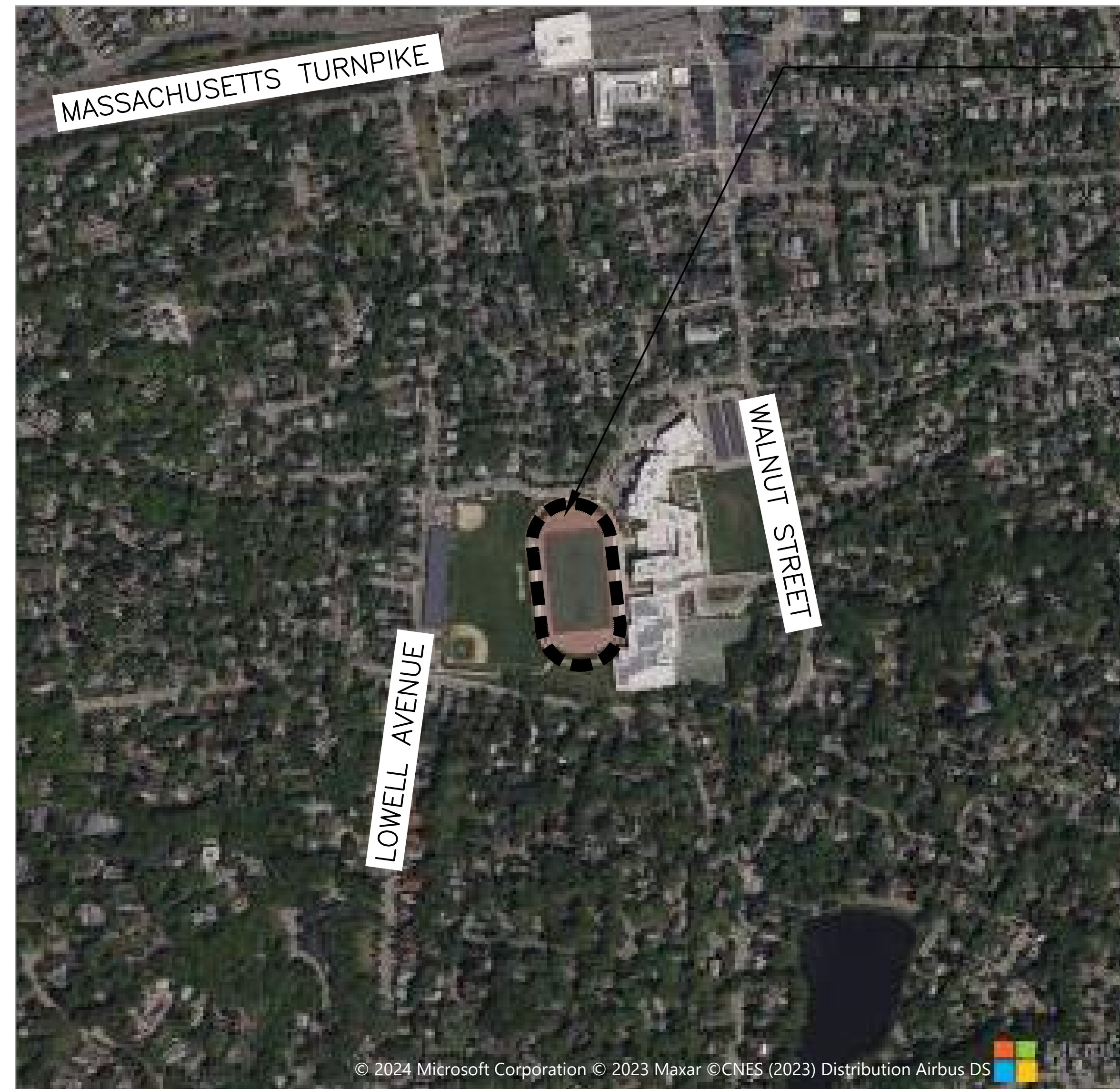
NEWTON NORTH HIGH SCHOOL TURF AND TRACK REPLACEMENT

MAYOR

RUTHANNE FULLER
CITY OF NEWTON, MASSACHUSETTS

COMMISSIONER OF PARKS & OPEN SPACE

NICOLE BANKS
PARKS, RECREATION AND CULTURE DEPARTMENT



DICKINSON
TRACK AND FIELD

SHEET INDEX

EX-1	EXISTING CONDITIONS PLAN
C-1	EROSION AND SEDIMENTATION CONTROL AND REMOVALS PLAN
C-2	LAYOUT AND MATERIALS PLAN
D-1	SITE DETAILS I
D-2	SITE DETAILS II



BID SET
MARCH 2024

LOCATION PLAN
NTS



Water

Environment

Transportation

Energy

Facilities

©2024 CDM SMITH. ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



- EXISTING CONDITIONS NOTES:
1. PROJECT LOCATION AT 457 WALNUT STREET, NEWTON, MA.
 2. EXISTING CONDITIONS BASED ON DORE & WHITTIER ARCHITECTS, INC. PLANS DATED JANUARY 10 25, 2007.
 3. VERTICAL DATUM ELEVATIONS SET IN CITY OF NEWTON DATUM (CNVD).

- LEGEND
- AREA OF ACTIVITY AND USE LIMITATION
 - APPROXIMATE LOCATION OF FORMER HISTORIC STRUCTURE



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: M. DODSON
 DRAWN BY: A. MURRAY
 SHEET CHK'D BY: S. LANDGREN
 CROSS CHK'D BY: M. DODSON
 APPROVED BY: M. DODSON
 DATE: MARCH 2024

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

CITY OF NEWTON, MASSACHUSETTS
 NEWTON NORTH HIGH SCHOOL
 TURF AND TRACK REPLACEMENT

EXISTING CONDITIONS PLAN

PROJECT NO. 0865-292834
 FILE NAME: C001EXPL.dwg
 SHEET NO. EX-1

©2024 CDM SMITH. ALL RIGHTS RESERVED. THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

SUBSURFACE INVESTIGATION NOTES:

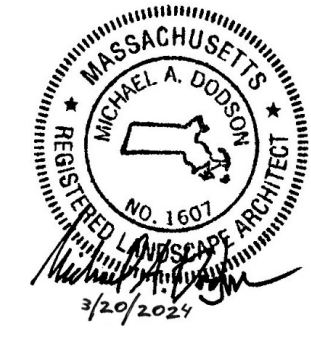
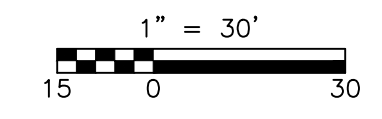
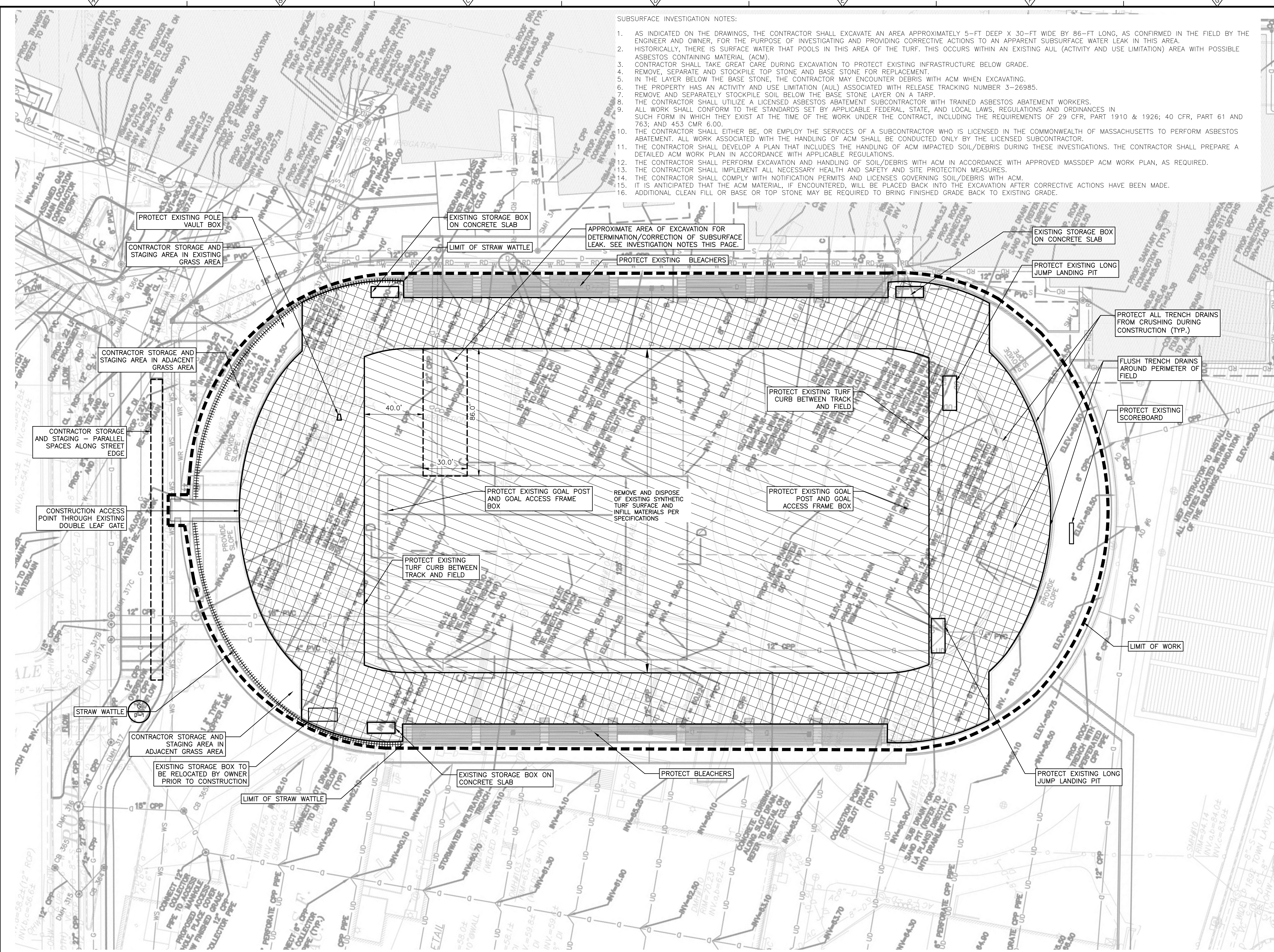
- AS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL EXCAVATE AN AREA APPROXIMATELY 5'-FT DEEP X 30'-FT WIDE BY 86'-FT LONG, AS CONFIRMED IN THE FIELD BY THE ENGINEER AND OWNER, FOR THE PURPOSE OF INVESTIGATING AND PROVIDING CORRECTIVE ACTIONS TO AN APPARENT SUBSURFACE WATER LEAK IN THIS AREA.
- HISTORICALLY, THERE IS SURFACE WATER THAT POOLS IN THIS AREA OF THE TURF. THIS OCCURS WITHIN AN EXISTING AUL (ACTIVITY AND USE LIMITATION) AREA WITH POSSIBLE ASBESTOS CONTAINING MATERIAL (ACM).
- CONTRACTOR SHALL TAKE GREAT CARE DURING EXCAVATION TO PROTECT EXISTING INFRASTRUCTURE BELOW GRADE.
- REMOVE, SEPARATE AND STOCKPILE TOP STONE AND BASE STONE FOR REPLACEMENT.
- IN THE LAYER BELOW THE BASE STONE, THE CONTRACTOR MAY ENCOUNTER DEBRIS WITH ACM WHEN EXCAVATING.
- THE PROPERTY HAS AN ACTIVITY AND USE LIMITATION (AUL) ASSOCIATED WITH RELEASE TRACKING NUMBER 3-26985.
- REMOVE AND SEPARATELY STOCKPILE SOIL BELOW THE BASE STONE LAYER ON A TARP.
- THE CONTRACTOR SHALL UTILIZE A LICENSED ASBESTOS ABATEMENT SUBCONTRACTOR WITH TRAINED ASBESTOS ABATEMENT WORKERS.
- ALL WORK SHALL CONFORM TO THE STANDARDS SET BY APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS AND ORDINANCES IN SUCH FORM IN WHICH THEY EXIST AT THE TIME OF THE WORK UNDER THE CONTRACT, INCLUDING THE REQUIREMENTS OF 29 CFR, PART 1910 & 1926; 40 CFR, PART 61 AND 763; AND 453 CMR 6.00.
- THE CONTRACTOR SHALL EITHER BE, OR EMPLOY THE SERVICES OF A SUBCONTRACTOR WHO IS LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS TO PERFORM ASBESTOS ABATEMENT. ALL WORK ASSOCIATED WITH THE HANDLING OF ACM SHALL BE CONDUCTED ONLY BY THE LICENSED SUBCONTRACTOR.
- THE CONTRACTOR SHALL DEVELOP A PLAN THAT INCLUDES THE HANDLING OF ACM IMPACTED SOIL/DEBRIS DURING THESE INVESTIGATIONS. THE CONTRACTOR SHALL PREPARE A DETAILED ACM WORK PLAN IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL PERFORM EXCAVATION AND HANDLING OF SOIL/DEBRIS WITH ACM IN ACCORDANCE WITH APPROVED MASSDEP ACM WORK PLAN, AS REQUIRED.
- THE CONTRACTOR SHALL IMPLEMENT ALL NECESSARY HEALTH AND SAFETY AND SITE PROTECTION MEASURES.
- THE CONTRACTOR SHALL COMPLY WITH NOTIFICATION PERMITS AND LICENSES GOVERNING SOIL/DEBRIS WITH ACM.
- IT IS ANTICIPATED THAT THE ACM MATERIAL, IF ENCOUNTERED, WILL BE PLACED BACK INTO THE EXCAVATION AFTER CORRECTIVE ACTIONS HAVE BEEN MADE.
- ADDITIONAL CLEAN FILL OR BASE OR TOP STONE MAY BE REQUIRED TO BRING FINISHED GRADE BACK TO EXISTING GRADE.

NOTES:

- 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 FLUSH TRENCH DRAINS PRIOR TO INSTALLATION OF NEW TURF AS SPECIFIED AND AFTER INSTALLATION IF NOT PROTECTED AND SUBJECT TO INFILL MIGRATION.
- 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 REPAIR/SEED DAMAGE WITHIN MATERIALS STORAGE AREA.

LEGEND

- LIMIT OF WORK
- ##### STRAW WATTLE
- ▨ LIMITS OF EXISTING SYNTHETIC TURF REMOVAL AND DISPOSAL
- ▧ LIMITS OF EXISTING TRACK SURFACE TO BE RECOATED



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: M. DODSON
 DRAWN BY: A. MURRAY
 SHEET CHK'D BY: S. LANDGREN
 CROSS CHK'D BY: M. DODSON
 APPROVED BY: M. DODSON
 DATE: MARCH 2024

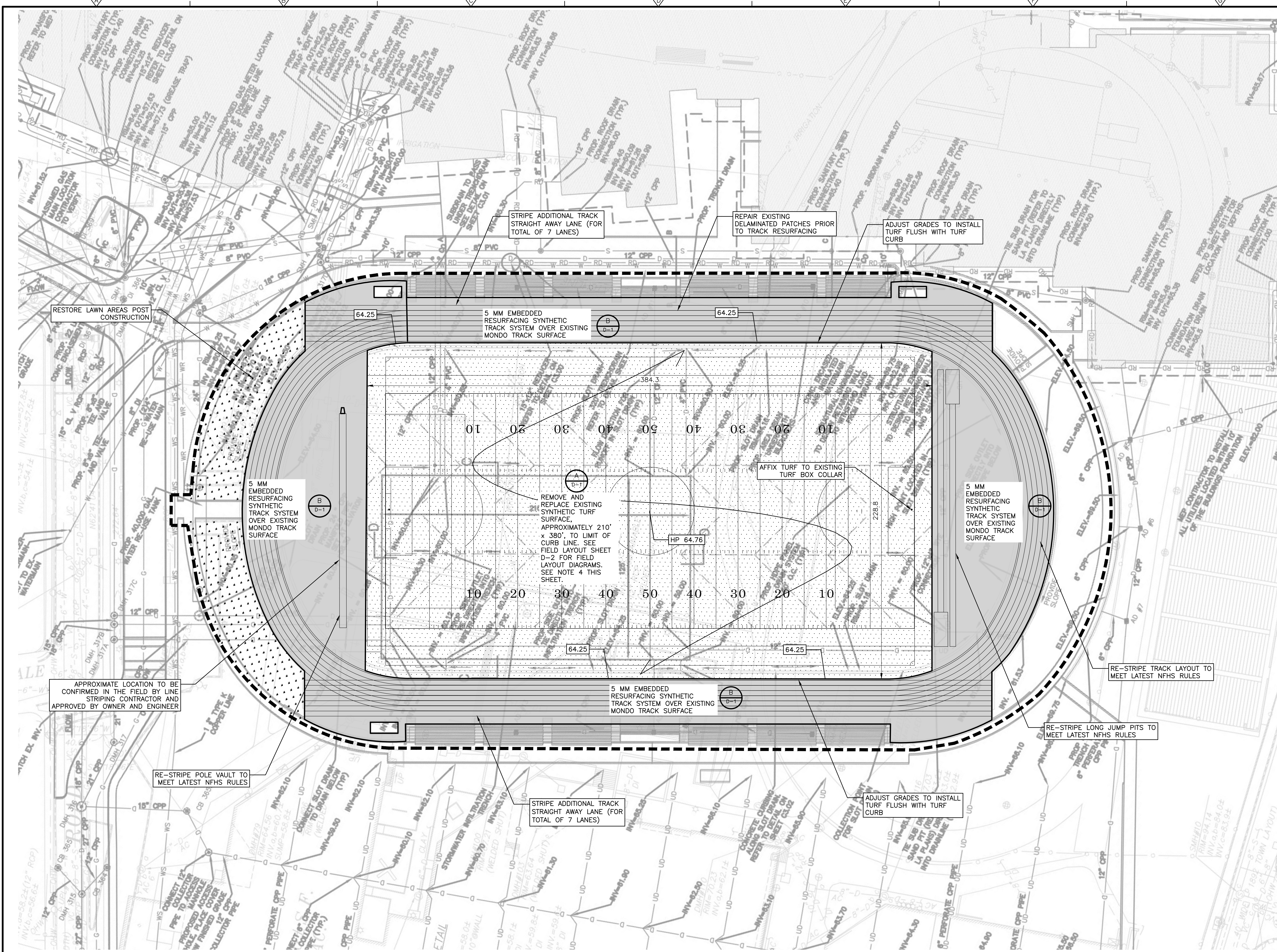
CDM Smith
 75 State Street, Suite 701
 Boston, MA 02109
 Tel: (617) 452-6000

CITY OF NEWTON, MASSACHUSETTS
 NEWTON NORTH HIGH SCHOOL
 TURF AND TRACK REPLACEMENT

EROSION AND SEDIMENTATION CONTROL
 AND REMOVALS PLAN

PROJECT NO. 0865-292834
 FILE NAME: CO01DMPL.dwg
 SHEET NO. C-1

©2024 CDM SMITH. ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

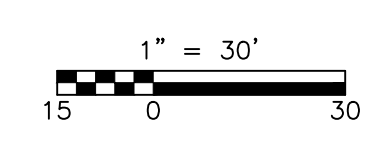


NOTE: EXISTING CONDITIONS BASED ON DORE & WHITTIER ARCHITECTS, INC. PLANS DATED JANUARY 10, 25, 2007.

- LIMIT OF WORK
- ▨ SYNTHETIC TURF SURFACE
- ▨ RESURFACING SYNTHETIC TRACK SYSTEM IN TRACK AREA AND D AREAS
- 273.10 ORIGINAL FINISH 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 A MANNER APPROVED BY THE ENGINEER AND OWNER.
 4. BEFORE INSTALLATION OF NEW SYNTHETIC TURF SURFACE, CONTRACTOR SHALL LASER GRADE FIELD AND BE RESPONSIBLE FOR A FINAL FIELD CHECK OF FINISHED GRADES WITH ENGINEER PRIOR TO FIELD SURFACE INSTALLATION. CONTRACTOR SHALL ADD OR REMOVE TOP STONE AS NECESSARY TO ATTAIN PLANAR 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. ANCHOR NEW TURF TO EXISTING TURF CURB ON ALL SIDES.



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: M. DODSON
 DRAWN BY: A. MURRAY
 SHEET CHK'D BY: S. LANDGREN
 CROSS CHK'D BY: M. DODSON
 APPROVED BY: M. DODSON
 DATE: MARCH 2024

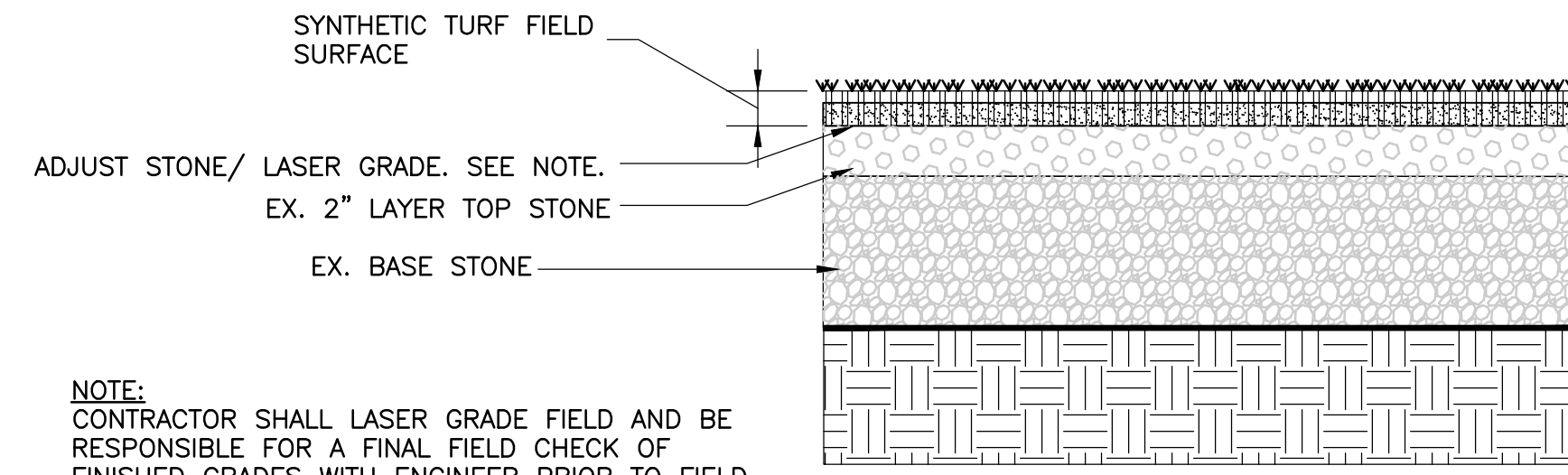
CDM Smith
 75 State Street, Suite 701
 Boston, MA 02109
 Tel: (617) 452-6000

CITY OF NEWTON, MASSACHUSETTS
**NEWTON NORTH HIGH SCHOOL
 TURF AND TRACK REPLACEMENT**

LAYOUT AND MATERIALS PLAN

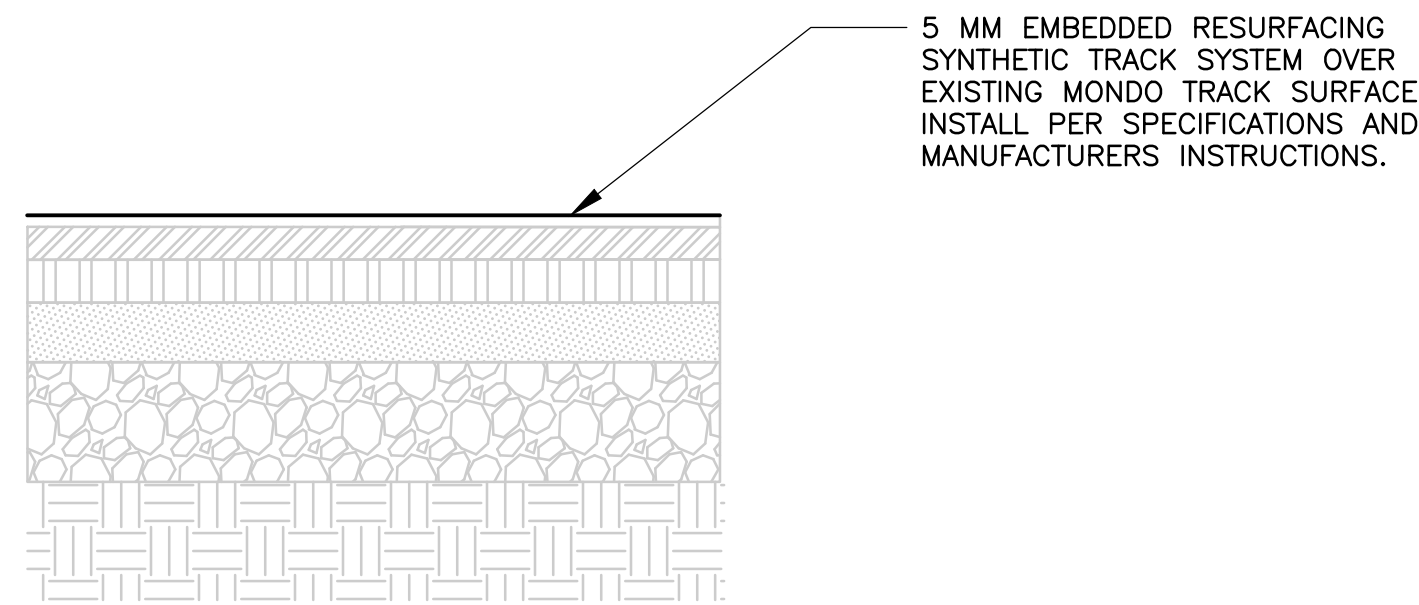
PROJECT NO. 0865-292834
 FILE NAME: C001LMP.dwg
 SHEET NO. C-2

©2024 CDM SMITH. ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.

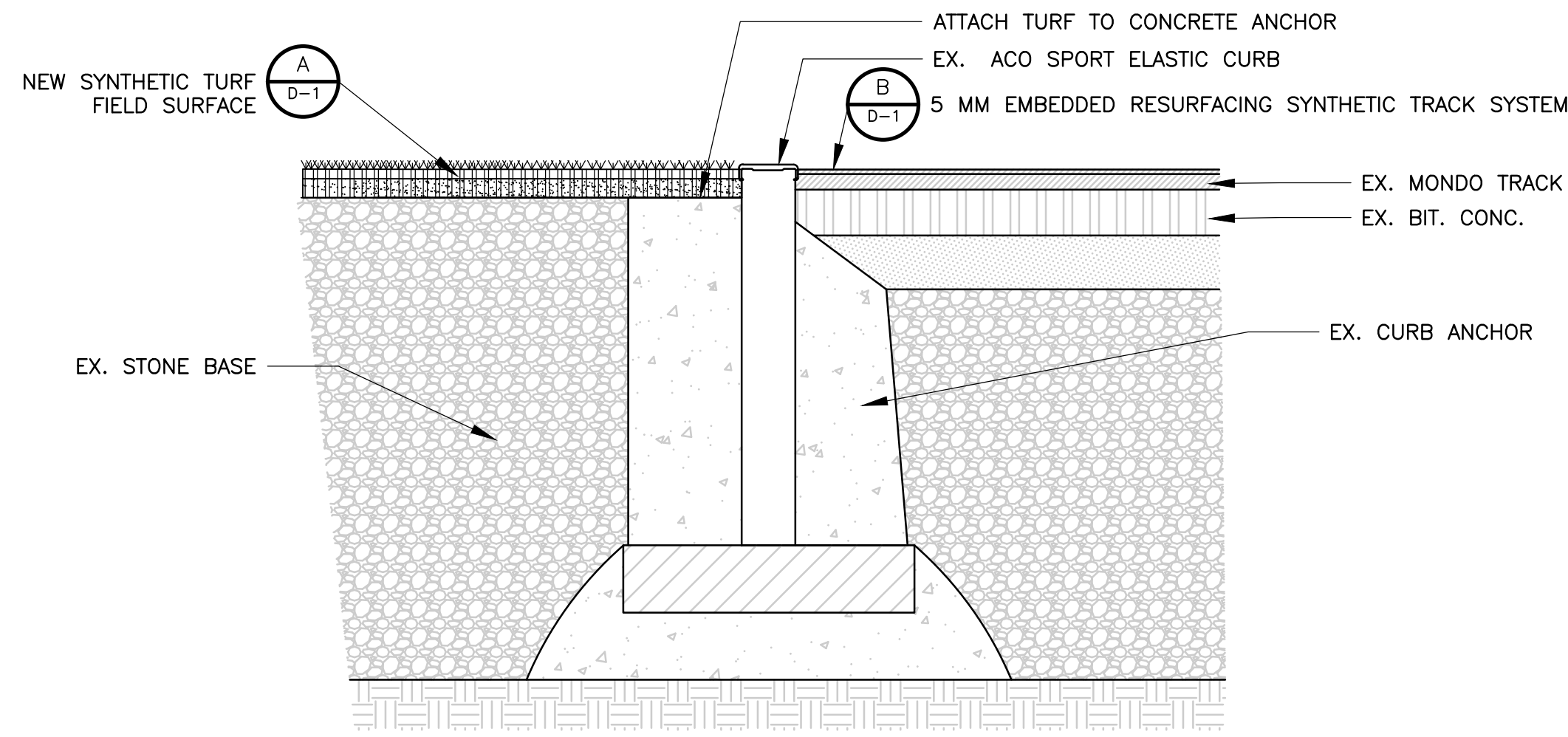


NOTE:
CONTRACTOR SHALL LASER GRADE FIELD AND BE RESPONSIBLE FOR A FINAL FIELD CHECK OF FINISHED GRADES WITH ENGINEER PRIOR TO FIELD SURFACE INSTALLATION. CONTRACTOR SHALL ADD OR REMOVE TOP STONE AS NECESSARY TO ATTAIN PLANAR BASE SURFACE TO ACCOMMODATE NEW TURF SYSTEM.

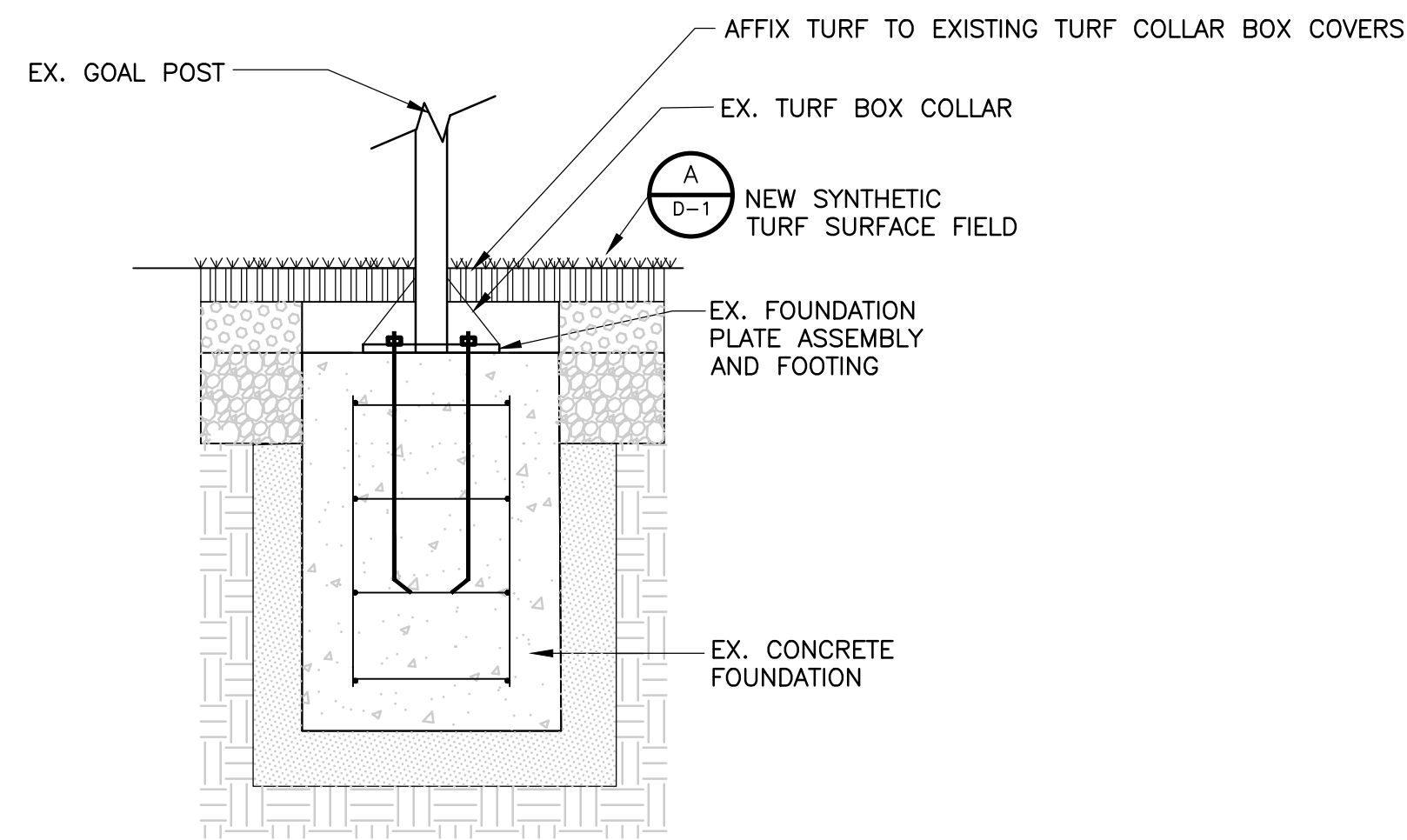
SYNTHETIC TURF FIELD
DETAIL A
NOT TO SCALE D-1



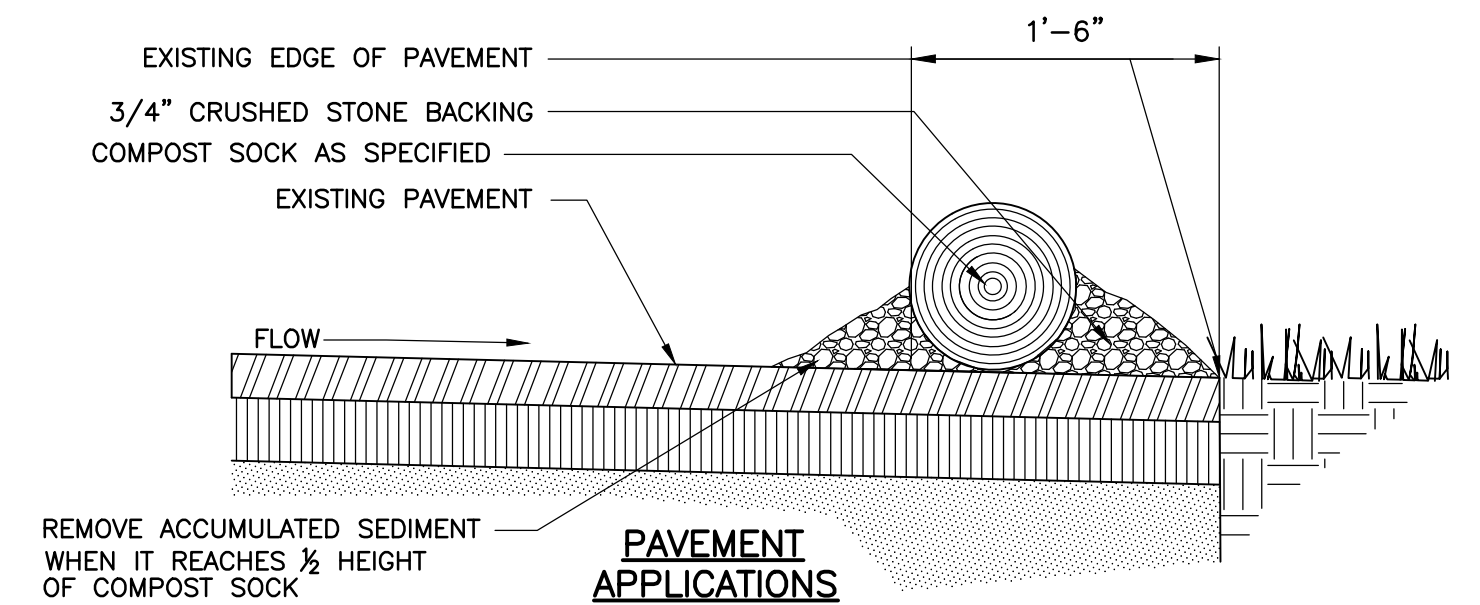
TRACK RESURFACING
DETAIL B
NOT TO SCALE D-1



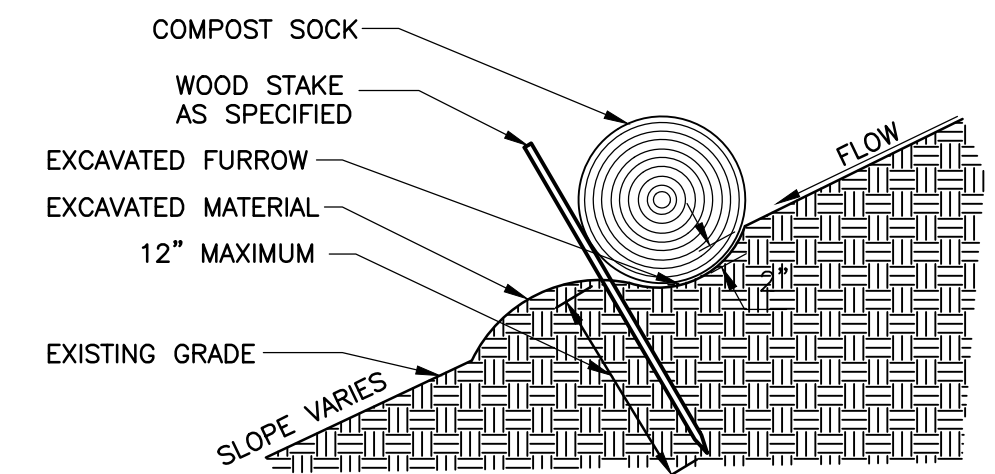
'D' AREA TURF AT EX. CURB
DETAIL C
NTS D-1



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



PAVEMENT APPLICATIONS



LANDSCAPE APPLICATIONS

STRAW WATTLE
DETAIL E
SCALE: NTS D-1

REV. NO.	DATE	DRWN	CHKD	REMARKS

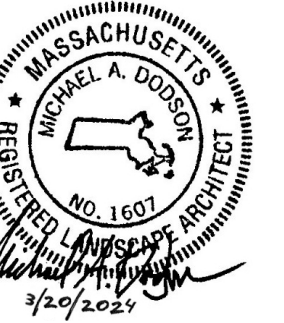
DESIGNED BY: M. DODSON
DRAWN BY: A. MURRAY
SHEET CHK'D BY: S. LANDGREN
CROSS CHK'D BY: M. DODSON
APPROVED BY: M. DODSON
DATE: MARCH 2024



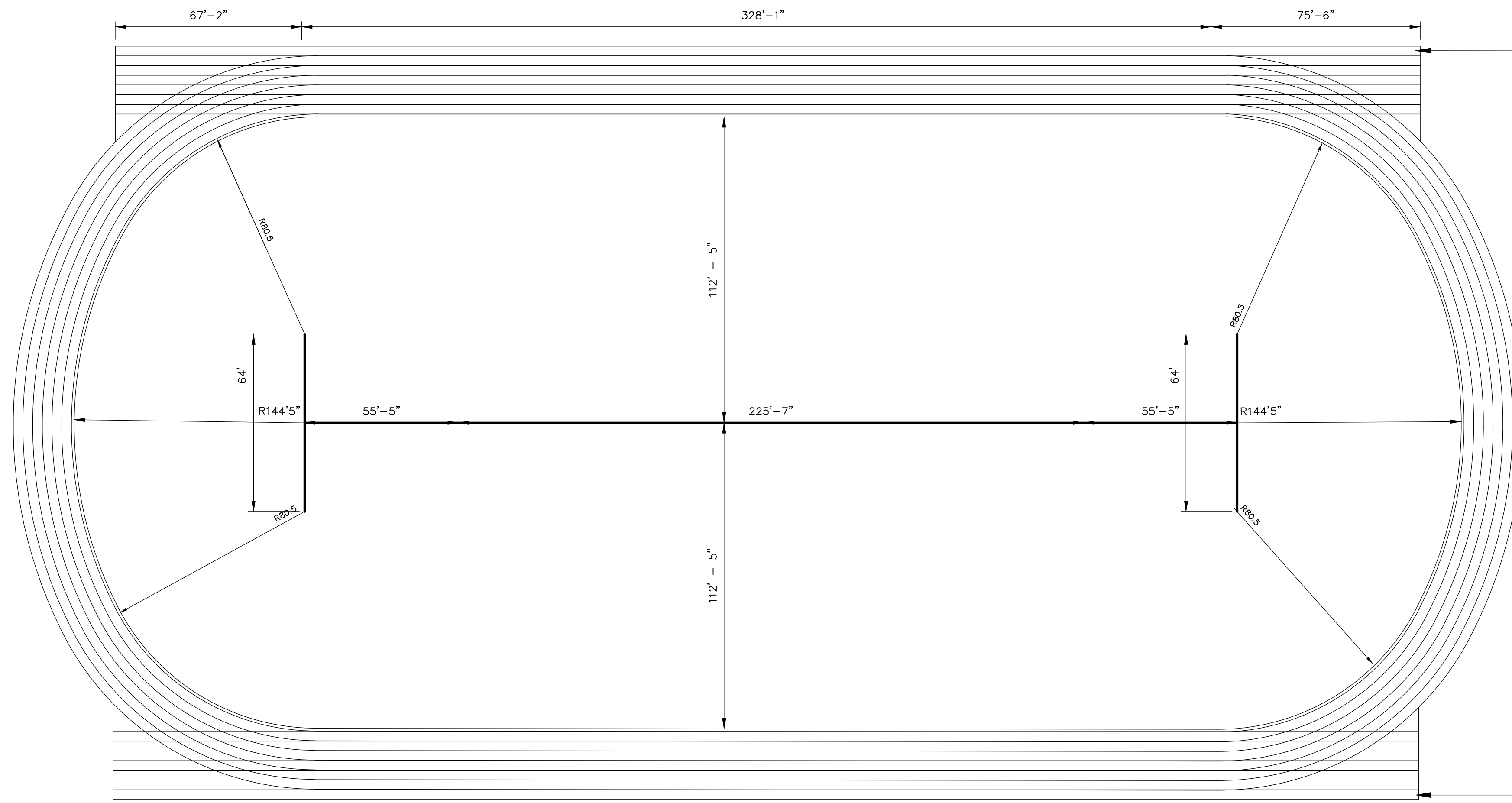
CITY OF NEWTON, MASSACHUSETTS
NEWTON NORTH HIGH SCHOOL
TURF AND TRACK REPLACEMENT

SITE DETAILS I

PROJECT NO. 0865-292834
FILE NAME: C0001DST.dwg
SHEET NO. **D-1**



© 2024 CDM SMITH. ALL RIGHTS RESERVED. REUSE OF DOCUMENTS: THESE DOCUMENTS AND DESIGNS PROVIDED BY PROFESSIONAL SERVICE, INCORPORATED HEREIN, ARE THE PROPERTY OF CDM SMITH AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CDM SMITH.



TRACK LAYOUT (BASED ON ORIGINAL TRACK DRAWINGS)

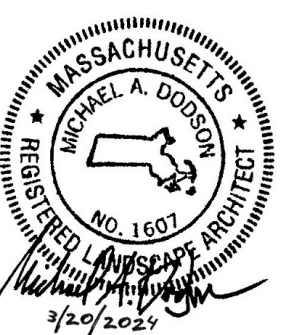
DETAIL A
 1" = 30' D-2

STRIPE ADDITIONAL TRACK
 STRAIGHT AWAY LANE (FOR TOTAL
 OF 7 LANES)

STRIPE ADDITIONAL TRACK
 STRAIGHT AWAY LANE (FOR TOTAL
 OF 7 LANES)

NOTE:

1. 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.
2. CONFIRM AND PROTECT CONTROL FOR RE-ESTABLISHMENT OF TRACK AND FIELD MARKING PRIOR TO REMOVAL



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: M. DODSON
 DRAWN BY: A. MURRAY
 SHEET CHK'D BY: S. LANDGREN
 CROSS CHK'D BY: M. DODSON
 APPROVED BY: M. DODSON
 DATE: MARCH 2024



CITY OF NEWTON, MASSACHUSETTS
 NEWTON NORTH HIGH SCHOOL
 TURF AND TRACK REPLACEMENT

SITE DETAILS II
 SHEET NO. D-2

PROJECT NO. 0865-292834
 FILE NAME: C0001DST.dwg
 SHEET NO. D-2