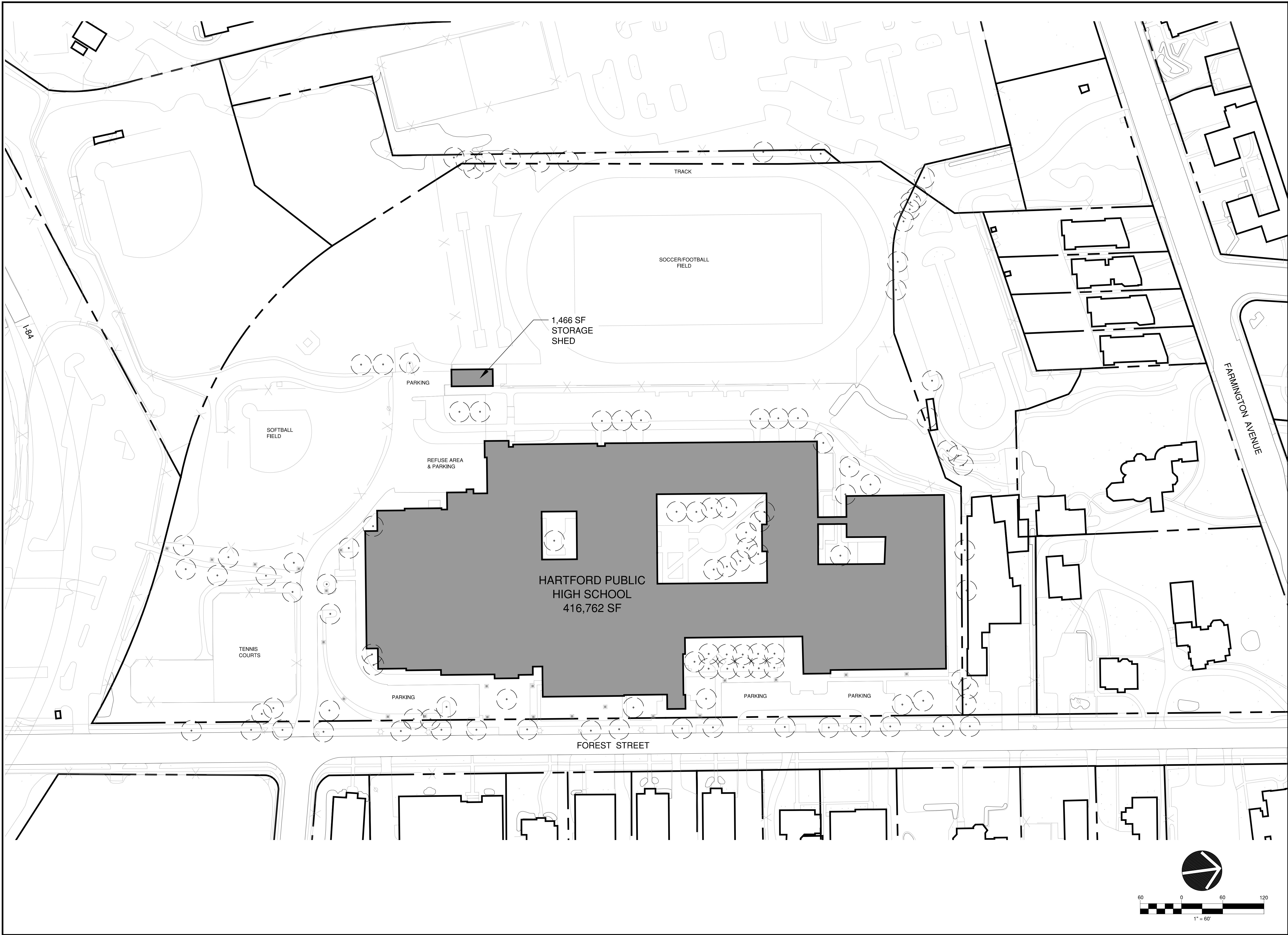


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SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING

Prepared For:

CITY OF
HARTFORD

Consultant

SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
55 FOREST STREET HARTFORD, CT

Sheet Description:

**Existing
Conditions**

Rev:

Issue Date:
FEBRUARY 11, 2020

Scale:
AS NOTED

Drawn by:
MD

Project number:
6313

Sheet #:

L-0.0

OWNER OF RECORD:

CITY OF HARTFORD
BOARD OF EDUCATION
HARTFORD PUBLIC HIGH SCHOOL
55 FOREST STREET
HARTFORD, CT 06105-3227
Vol. 3322 Pg. 16
Vol. 3840 Pg. 48

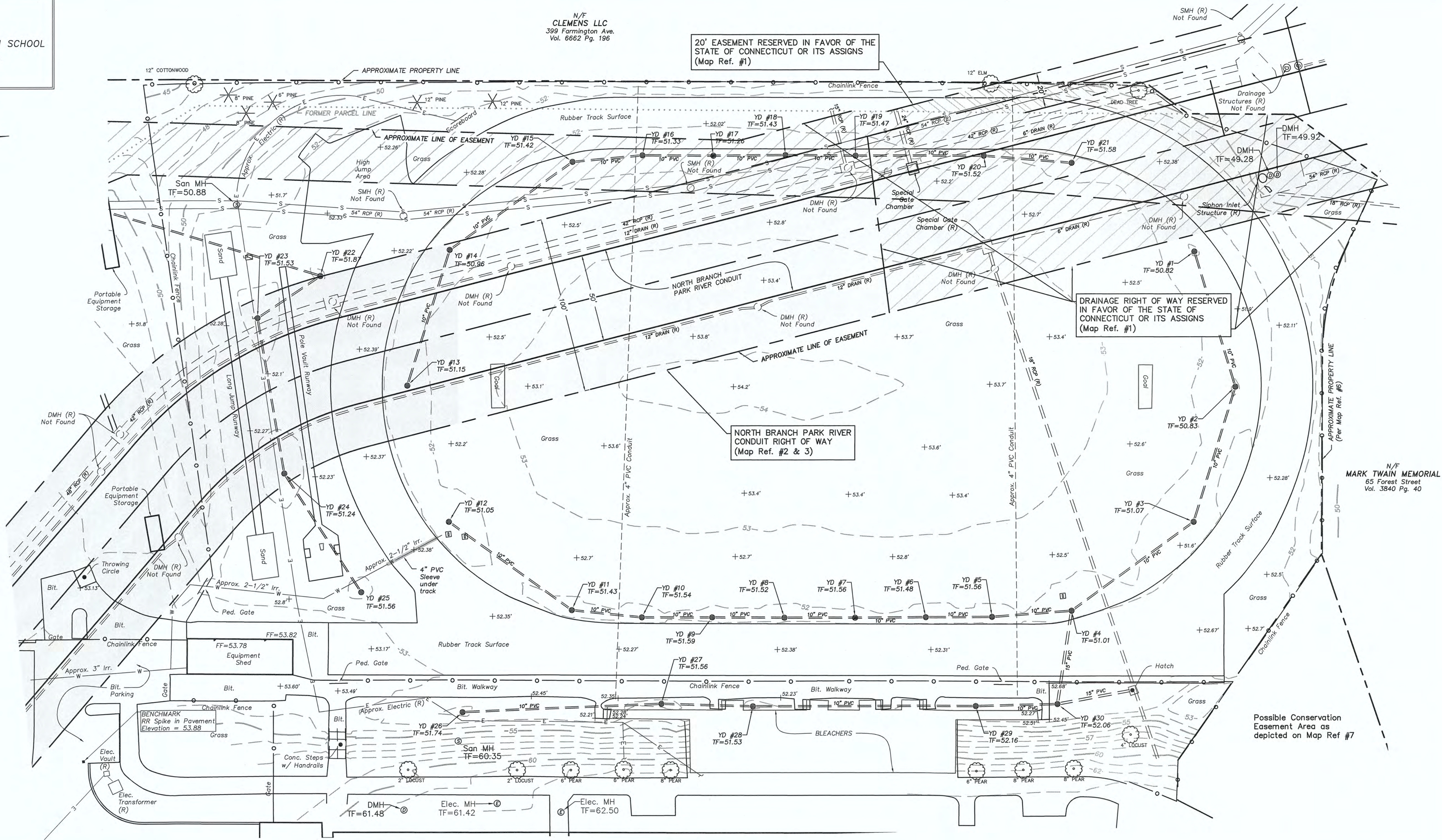
N/F
CLEMENS LLC
399 Farmington Ave.
Vol. 6662 Pg. 196

20' EASEMENT RESERVED IN FAVOR OF THE
STATE OF CONNECTICUT OR ITS ASSIGNS
(Map Ref. #1)

DRAINAGE RIGHT OF WAY RESERVED
IN FAVOR OF THE STATE OF
CONNECTICUT OR ITS ASSIGNS
(Map Ref. #1)

NORTH BRANCH PARK RIVER
CONDUIT RIGHT OF WAY
(Map Ref. #2 & 3)

N/F
MARK TWAIN MEMORIAL
65 Forest Street
Vol. 3840 Pg. 40



DRAINAGE INVERTS

ID	RIM ELEVATION	TYPE		
#1	50.82	YD	47.49 (OUT) 10" PVC	
#2	50.83	YD	46.73 (OUT) 10" PVC	47.03 (IN) 10" ADS
#3	51.07	YD	46.02 (OUT) 10" PVC	46.17 (IN) 10" PVC
#4	51.01	YD	45.26 (OUT) 15" PVC	45.81 (IN) 10" PVC
#5	51.56	YD	46.31 (ALL)	
#6	51.48	YD	46.61 (ALL)	
#7	51.56	YD	47.11 (ALL)	
#8	51.52	YD	47.32 (ALL)	
#9	51.59	YD	47.54 (ALL)	
#10	51.54	YD	47.79 (ALL)	
#11	51.43	YD	47.88 (ALL)	
#12	51.05	YD	48.2 (OUT) 10" PVC	48.8 (IN) 4" PVC
#13	51.15	YD	47.45 (OUT) 10" ADS	
#14	50.96	YD	46.82 (OUT) 10" ADS	46.86 (IN) 10" ADS
#15	51.42	YD	46.22 (OUT) 10" PVC	46.27 (IN) 10" PVC
#16	51.33	YD	46.18 (ALL)	
#17	51.26	YD	45.94 (ALL)	
#18	51.43	YD	45.63 (OUT) 10" PVC	45.67 (IN) 10" PVC
#19	51.47	YD	46.02 (OUT)	46.08 (IN) 10" PVC
#20	51.52	YD	46.87 (ALL)	
#21	51.58	YD	47.38 (OUT) 8" PVC	
#22	51.87	YD	47.33 (HOOD)	46.24 (WATER)
#23	51.53	YD	47.29 (OUT) 10" PVC	46.77 (IN) 10" PVC
#24	51.24	YD	47.64 (OUT) 10" PVC	47.83 (IN) 4" ADS
#25	51.56	YD	47.76 (OUT) 10" PVC	47.69 (IN) 10" PVC
#26	51.74	YD	47.24 (OUT) 10" PVC	
#27	51.56	YD	48.21 (IN) 10" PVC	48.21 (IN) 10" PVC
#28	51.53	YD	47.98 (OUT) 8" PVC	47.98 (IN) 8" PVC
#29	52.16	YD	46.33 (OUT) 10" PVC	47.34 (IN) 8" PVC
#30	52.06	YD	45.62 (OUT) 15" PVC	45.56 (IN) 15" PVC

NORTH BRANCH PARK RIVER
CONDUIT RIGHT OF WAY

20' WIDE DRAINAGE EASE.
RESERVED BY STATE OF CT

DRAINAGE RIGHT OF WAY
RESERVED BY STATE OF CT

ABBREVIATIONS

N/F NOW OR FORMERLY
(R) RECORD
CONC CONCRETE
BIT BITUMINOUS
ELEC ELECTRIC
IRR IRRIGATION
APPROX APPROXIMATE
EASE EASEMENT
MH MANHOLE
YD YARD DRAIN
BM BENCHMARK
FL FLOWLINE
TF TOP OF FRAME
INV INVERT
PED PEDESTRIAN

LEGEND

YARD DRAIN
MANHOLE, ELECTRIC
MANHOLE, SANITARY
MANHOLE, STORM
MANHOLE
HAND HOLE
IRRIGATION CONTROL VALVE
BORING
DECIDUOUS TREE
CONIFER TREE
UNDERGROUND UTILITY, ELECTRIC
UNDERGROUND UTILITY, SANITARY
UNDERGROUND UTILITY, WATER/IRRIGATION
UNDERGROUND UTILITY, STORM
FENCE, CHAINLINK
BOUNDARY, ADJUTTER
EASEMENT LINE

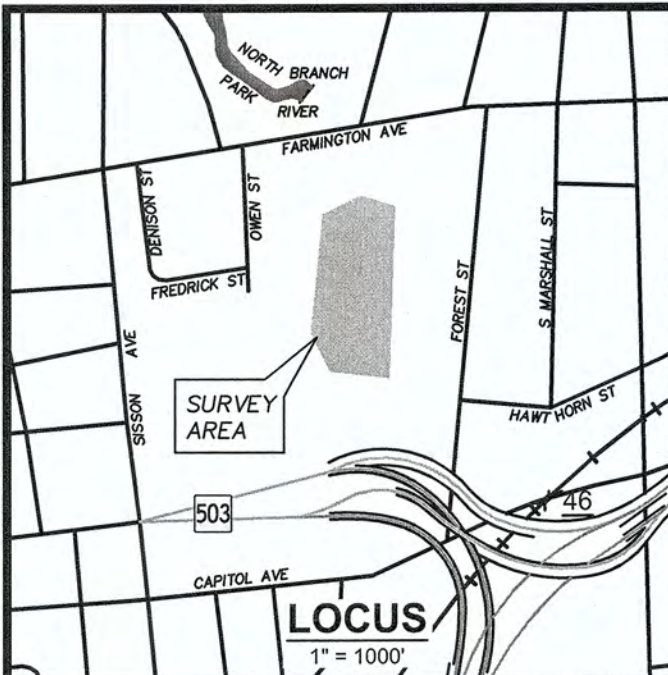
MAP REFERENCE

REFERENCE HAS BEEN MADE TO THE FOLLOWING MAPS AND PLANS:

- "MAP OF PROPERTY OF CITY OF HARTFORD BOARD OF EDUCATION HARTFORD PUBLIC HIGH SCHOOL HARTFORD, CONNECTICUT" DATE: 6-29-96, SCALE: 1"=40', SHEETS 1-2 OF 2, PREPARED BY THE BONGIOVANNI GROUP, INC., NEWINGTON, CT.
- "CONNECTICUT HIGHWAY DEPARTMENT CITY OF HARTFORD NORTH BRANCH PARK RIVER CONDUIT PLAN AND PROFILE STA. 26+00 TO STA. 34+00" DATE: 2-63, SCALE: AS SHOWN, SHEET 7 OF 81, DESIGNED BY METCALF & EDDY
- "CONNECTICUT HIGHWAY DEPARTMENT CITY OF HARTFORD NORTH BRANCH PARK RIVER CONDUIT GRADING PLAN STA. 22+00 TO STA. 40+55" DATE: 2-63, SCALE: 1"=40', SHEET 10 OF 81, DESIGNED BY METCALF & EDDY
- "MAP OF PROPERTY TO BE TRANSFERRED TO CITY OF HARTFORD BOARD OF EDUCATION HARTFORD PUBLIC HIGH SCHOOL HARTFORD, CONNECTICUT" DATE: 9-12-96, SCALE: 1"=60', REVISED TO 5-6-97, PREPARED BY THE BONGIOVANNI GROUP, INC., NEWINGTON, CONNECTICUT. (H.T.C.C. #2254)
- "MAP OF PROPERTY TO BE TRANSFERRED TO MARK TWAIN LIBRARY AND MEMORIAL COMMISSION 351 FARMINGTON AVENUE HARTFORD, CONNECTICUT" DATE: 9-12-96, SCALE: 1"=60', REVISED TO 5-6-97, PREPARED BY THE BONGIOVANNI GROUP, INC., NEWINGTON, CONNECTICUT. (H.T.C.C. #2251)
- "ZONING LOCATION SURVEY (EXISTING) OF THE MARK TWAIN HOUSE MEMORIAL VISITORS CENTER FOREST STREET HARTFORD, CONNECTICUT PREPARED FOR THE MARK TWAIN HOUSE MEMORIAL JUNE 1, 2004" SCALE: 1"=40', PREPARED BY GESICK & ASSOCIATES P.C., CLINTON, CONNECTICUT. (H.T.C.C. #2686)

SURVEY NOTES

- THIS SURVEY AND MAP HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
 - TYPE OF SURVEY: TOPOGRAPHIC SURVEY
 - CLASS OF TOPOGRAPHIC ACCURACY: T-2 FOR ONE FOOT CONTOUR INTERVALS
 - VERTICAL ACCURACY CONFORMS WITH CLASS V-2 STANDARDS
 - ALL FIELD LOCATED FEATURES ARE LOCATED FROM A HORIZONTAL CONTROL CONFORMING WITH A-2 SURVEY STANDARDS
 - PROPERTY LINE INFORMATION WHERE SHOWN IS BASED ON REFERENCED PLANS. NO BOUNDARY DETERMINATION HAS BEEN MADE AS PART OF THIS SURVEY.
- THE INTENT OF THIS SURVEY AND PLAN: DOCUMENT EXISTING CONDITIONS TO SUPPORT ATHLETIC FACILITY IMPROVEMENTS
- THE FIELD SURVEY WAS PERFORMED ON THE GROUND BY BSC GROUP IN SEPTEMBER 2019.
- THE VERTICAL DATUM SHOWN IS BASED UPON CTGS BM 1580 WITH A PUBLISHED ELEVATION OF 47.467' NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- THE REFERENCE MERIDIAN (NORTH ARROW) SHOWN IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD83), DERIVED FROM RTK/G.P.S. OBSERVATIONS.
- EXISTING UTILITIES, WHERE SHOWN HEREON, ARE APPROXIMATE. NO GUARANTEE IS IMPLIED OR INTENDED AS TO THE ACCURACY, LOCATION OR THAT ALL UTILITIES AND/OR SUBSURFACE STRUCTURES ARE SHOWN. CONSULT WITH THE APPROPRIATE UTILITY COMPANY OR AGENCY PRIOR TO DESIGNING IMPROVEMENTS, COMMENCING DEMOLITION OR CONSTRUCTION. "CALL BEFORE YOU DIG" 1-800-922-4455.



REPRODUCTIONS OF THIS PLAN ARE INVALID
UNLESS THEY BEAR THE EMBOSSED SEAL OF
THE UNDERSIGNED PROFESSIONAL.

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



MICHAEL C. HEALEY, L.S.

No. 17247

EXISTING CONDITIONS PLAN

HARTFORD PUBLIC HIGH SCHOOL ATHLETIC FACILITIES

56 FOREST STREET

HARTFORD
CONNECTICUT

SEPTEMBER 25, 2019

REVISIONS:

NO.	DATE	DESC.

DRAWN BY: JLM CHECK BY: MCH

PREPARED FOR:

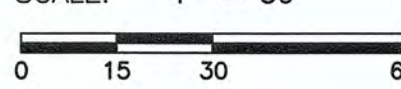
TO Design
114 West Main Street, Suite 202
New Britain, CT 06051



300 Winding Brook Drive
Glastonbury, CT 06033
860 652 8227

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SCALE: 1" = 30'

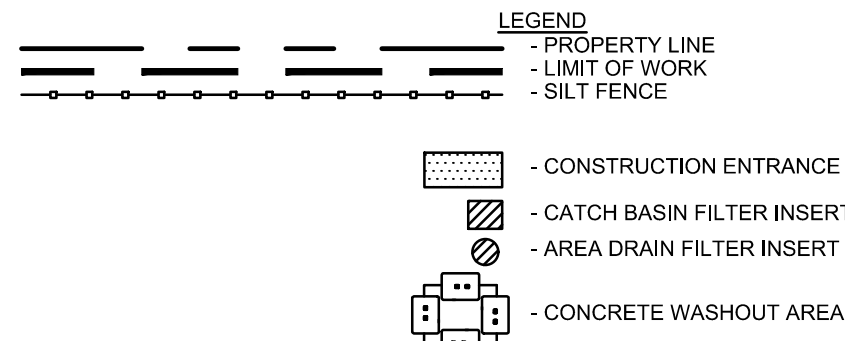
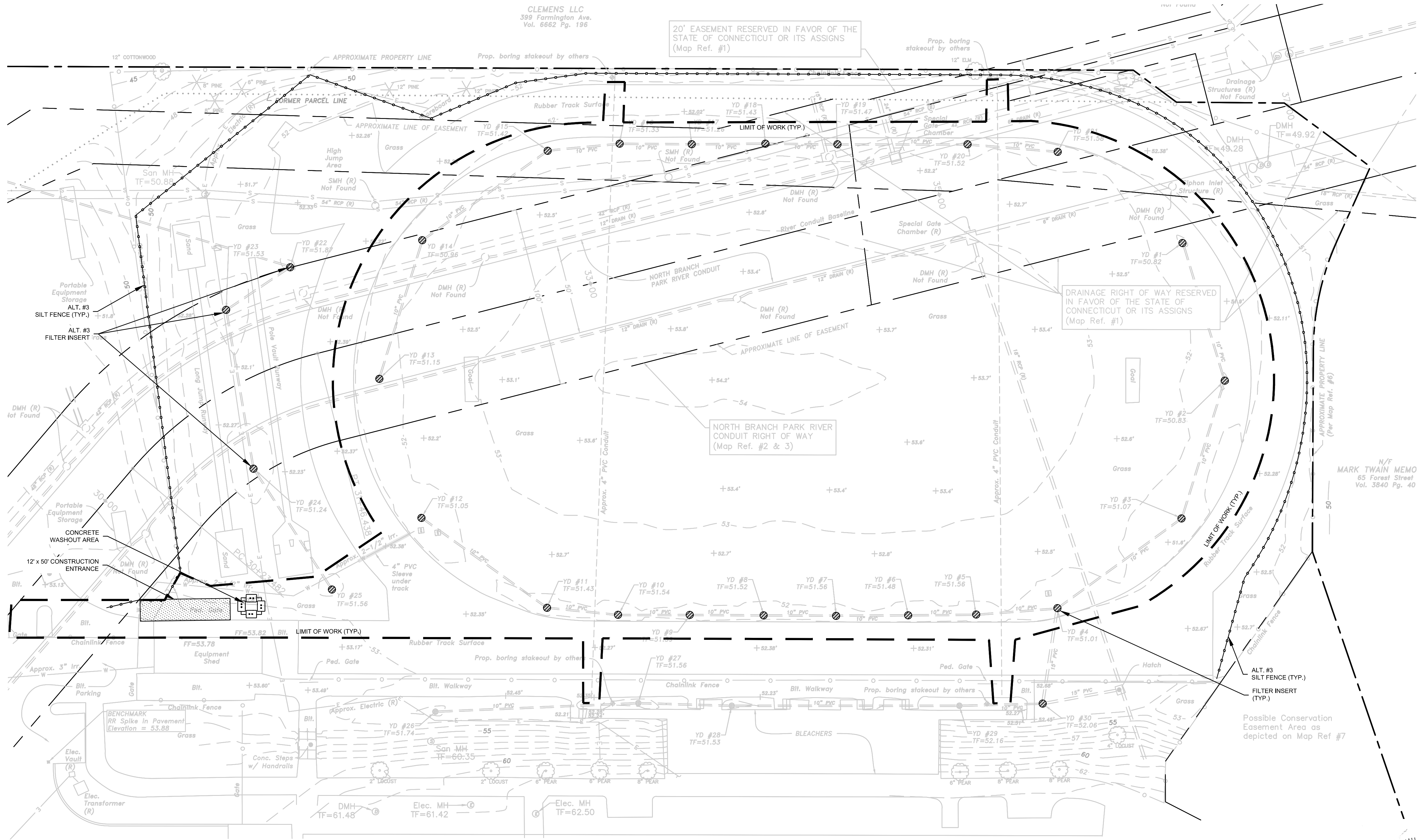


FILE: P:\8375200\SURVEY\DRAWINGS

DWG. NO: 8375200XCP

JOB. NO: 83752.00 SHEET 1 OF 1

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NOTES:

- THIS PLAN IS FOR EROSION AND SEDIMENTATION (E&S) CONTROL ONLY. SEE OTHER PLANS FOR THE SCOPE OF CONSTRUCTION WORK.
- THE E&S MEASURES SHOWN ON THIS PLAN ARE INTENDED TO BE IMPLEMENTED IN CONJUNCTION WITH THE PROJECT'S "GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES" AND THE ASSOCIATED STORMWATER POLLUTION CONTROL PLAN (SWPCP).
- DO NOT PROCEED WITH THE WORK UNTIL ALL E&S CONTROL MEASURES ARE IN-PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.
- THE MEASURES SPECIFIED HEREON ARE THE MINIMUM REQUIREMENTS FOR E&S CONTROL AND ARE SHOWN IN GENERAL SIZE AND LOCATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL E&S CONTROL MEASURES ARE CONFIGURED AND MONITORED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS. PROVIDE ADDITIONAL E&S MEASURES AS REQUIRED TO CONTROL EROSION AND SILTATION THROUGHOUT THE DURATION OF THE CONSTRUCTION AS CONDITIONS DICTATE AND/OR AS DIRECTED BY THE OWNER OR THE ENGINEER.
- IN ADDITION TO "PLAN IMPLEMENTATION INSPECTIONS" AND "ROUTINE INSPECTIONS" THAT MAY BE ASSOCIATED WITH THE "GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES," THE CONTRACTOR SHALL MONITOR AND INSPECT ALL E&S MEASURES IN AN ONGOING MANNER THROUGHOUT THE WORK AND TAKE CORRECTIVE MEASURES, AS REQUIRED, TO MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS.
- MONITOR AND INSPECT ALL E&S MEASURES IN AN ONGOING MANNER THROUGHOUT THE WORK AND TAKE CORRECTIVE MEASURES, AS REQUIRED, TO MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS.
- ANY EROSION AND SEDIMENTATION MEASURE IMPLEMENTED BEYOND THAT SHOWN HEREON SHALL CONFORM TO APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT'S "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
- ANY STOCKPILED MATERIAL SHALL BE SUBJECT TO EROSION CONTROL MEASURES THAT INCLUDE A MINIMUM OF SILT FENCE OR HAY BALE BARRIER COVER STOCKPILES IF SIGNIFICANT RAINFALL IS PREDICTED.
- PROVIDE TEMPORARY SEEDING WITH MULCH ON ALL EXPOSED SOIL AREAS WHERE WORK WILL BE SUSPENDED FOR LONGER THAN 30 DAYS. APPLY SEED AND MULCH WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK. WHEN SEEDING IS NOT POSSIBLE DUE TO SEASONAL WEATHER CONDITIONS OR OTHER FACTORS, PROVIDE TEMPORARY STRUCTURAL SOIL PROTECTION SUCH AS MULCH, WOODCHIPS, EROSION CONTROL MATTING, OR COMPOST.
- ALL TEMPORARY SLOPES IN EXCESS OF 3 (HORIZONTAL) TO 1 (VERTICAL) SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR APPROVED EQUIVALENT.
- NO RUNOFF SHALL BE ALLOWED TO ENTER ANY STORMWATER SYSTEM OR EXIT THE SITE PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.

- THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS. ALL TRASH SHALL BE CLEANED ON A DAILY BASIS AND THE SITE SHALL BE LEFT IN A NEAT CONDITION AT THE END OF EACH WORK DAY.
- TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS AND ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION, CONTROL, AND RESPONSE.
- FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER AND MAINTAIN ADEQUATE MOISTURE LEVELS.
- SWEEP ADJACENT ROADWAYS IF MUD OR SOIL IS TRACKED ON TO THEM, OR AS DIRECTED BY THE ENGINEER. SHOULD THE CONSTRUCTION ENTRANCE FAIL TO PREVENT THE TRACKING OF SOILS OR SEDIMENT OFF OF THE PROJECT SITE, A WASHING RACK SHALL BE INSTALLED ALONG WITH APPROPRIATE MEASURES TO COLLECT RESULTING WASTEWATER.
- DRAINAGE STRUCTURE FILTER INSERTS SHALL BE INSTALLED AND CLEANED/CHANGED PER THE MANUFACTURER'S RECOMMENDATIONS. UNITS SHALL BE INSTALLED COMPLETELY AROUND INLETS OF EXISTING AND PROPOSED DRAINAGE STRUCTURES SUCH THAT NO RUNOFF IS ALLOWED TO ENTER DRAINAGE SYSTEMS WITHOUT FILTERING THROUGH THE DEVICE.

SUGGESTED CONSTRUCTION SEQUENCE:

- CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.
- INSTALL CONSTRUCTION ENTRANCE(S) AND PLACE FILTER INSERTS IN EXISTING CATCH BASINS.
- INSTALL PERIMETER E&S CONTROLS AND REQUEST PRE-CONSTRUCTION INSPECTION FROM THE ENGINEER.
- FOLLOWING THE ENGINEER'S APPROVAL OF INSTALLED E&S CONTROLS, COMMENCE CONSTRUCTION OPERATIONS.
- AT THE CONCLUSION OF CONSTRUCTION, COMPLETE THE INSTALLATION OF POST-CONSTRUCTION SITE STABILIZATION MEASURES AS SHOWN ON DRAWING D-03.

NOTE: THE CONTRACTOR MAY MODIFY THE SUGGESTED CONSTRUCTION SEQUENCE INDICATED ABOVE, PROVIDED A REVISED SEQUENCE IS SUBMITTED FOR REVIEW AND APPROVED BY THE OWNER AND ENGINEER.



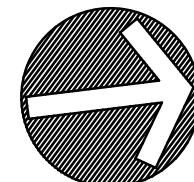
THIS SHEET INCLUDES BASE BID AND ALTERNATES ITEMS

ALTERNATE LIST

- SYNTHETIC GRASS SPORTS SURFACING WITH ORGANIC INFILL. SEE SPECIFICATION AND DETAILS.
- SPORTS FIELD LIGHTING AND ELECTRICAL COMPONENTS. SEE ELECTRICAL PLANS AND SPECIFICATIONS.
- ALL WEATHER RUNNING TRACK AND EVENTS. SEE SHEET L-2.1, SHEET L-5.1, AND SPECIFICATIONS.

ISSUED FOR PERMITTING

SCALE: 1" = 30'
0 15 30 60 FEET



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NEW BRITAIN, CT 06051
860-612-1700

todesignllc.com

**SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING**

Prepared For:

**CITY OF
HARTFORD**

Consultant

BSC GROUP
300 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

**SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
HARTFORD, CT**

55 FOREST STREET

Sheet Description:

**EROSION AND
SEDIMENTATION
CONTROL PLAN**

Rev:

Issue Date:

FEBRUARY 11, 2020

Scale:

AS NOTED

Drawn by:

JH/FF

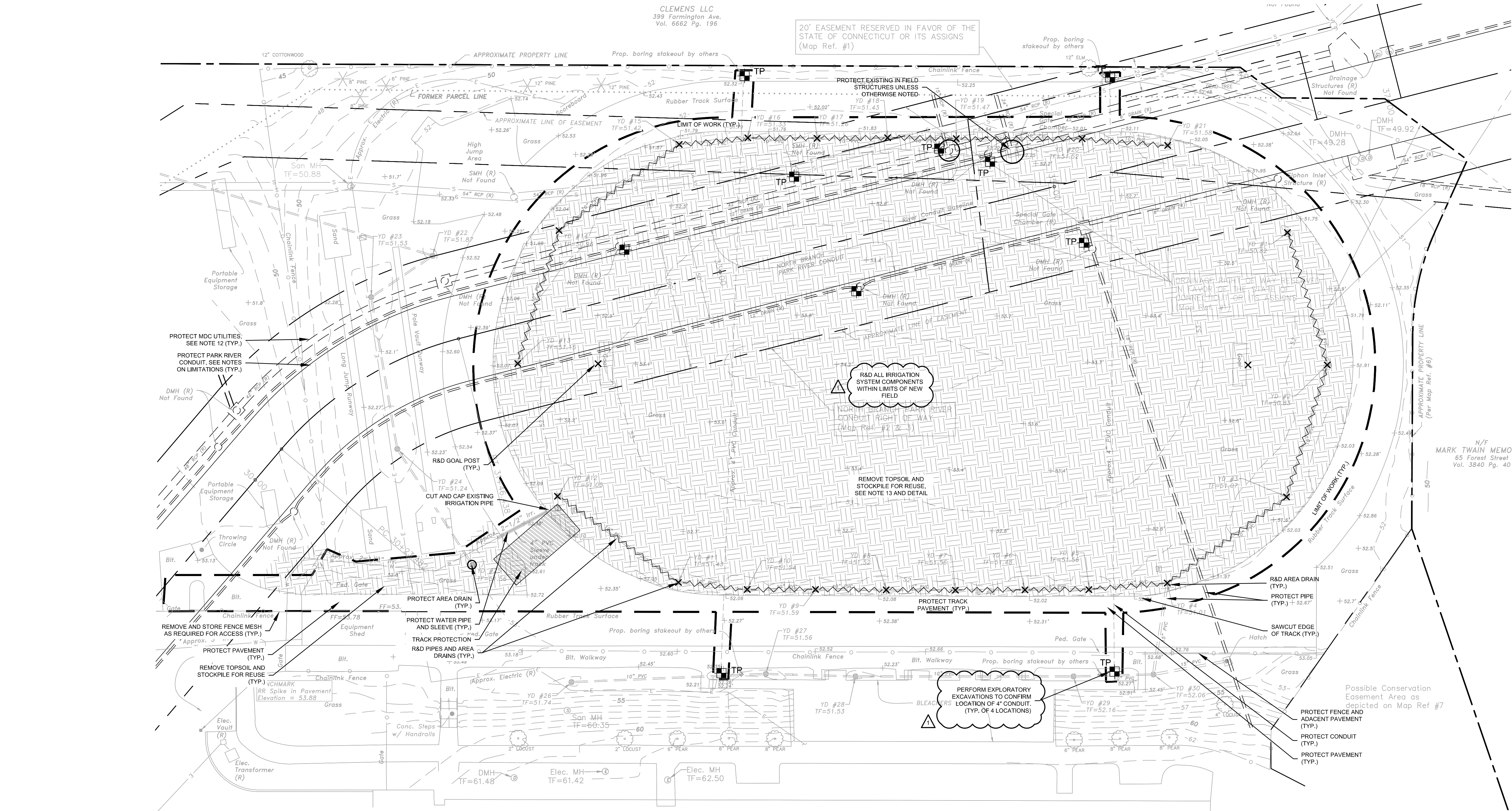
Project number:

6313

Sheet #:

L-1.0

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- NOTES:**
- CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
 - NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
 - THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
 - THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
 - IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE SCHOOL FACILITY WILL BE OCCUPIED AND IN USE DURING THE COURSE OF THE WORK. PROVIDE SAFETY BARRIERS, INCLUDING BUT NOT LIMITED TO, FENCING, BARRICADES, AND SIGNAGE AS REQUIRED TO PREVENT UNAUTHORIZED ENTRY TO THE WORK AREA AT ALL TIMES.
 - ALL CONSTRUCTION FENCING AND WARNING SIGNS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION. INSTALL CONSTRUCTION FENCING AT THE LIMIT OF WORK.
 - PRIOR TO THE TERMINATION, ABANDONMENT, OR REMOVAL OF ANY UTILITY, VERIFY THAT APPLICABLE NOTIFICATIONS HAVE BEEN MADE TO THE UTILITY OWNER/OPERATOR AND THAT THE UTILITY HAS BEEN PROPERLY TERMINATED, CAPPED, OR PLUGGED AS REQUIRED.
 - PROTECT ALL IMPROVEMENTS NOT INCLUDED IN THE SCOPE OF SITE DEMOLITION. ANY IMPROVEMENT WHICH IS DAMAGED SHALL BE REPAIRED OR REPLACED IN-KIND TO THE OWNER'S SATISFACTION.
 - UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.
 - UNLESS OTHERWISE NOTED, ALL MDC UTILITIES LOCATED IN THE LIMIT OF WORK SHALL BE PROTECTED. ANY UNKNOWN UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE REPORTED TO MDC AND DOCUMENTED ON THE APPROPRIATE AS-BUILT DRAWINGS.
 - TOPSOIL REMOVED FROM THE FIELD AREA MAY BE USED FOR RESTORATION OF OTHER PROJECT AREAS WITH APPROVAL OF THE ENGINEER. THE CITY SHALL RETAIN OWNERSHIP OF ALL EXCESS TOPSOIL NOT UTILIZED ON THE PROJECT. ALL EXCESS TOPSOIL SHALL BE TRANSPORTED OFFSITE BY THE CONTRACTOR. LIMITATIONS TO BE DETERMINED BY THE CITY WITHIN CITY LIMITS. IF ADDITIONAL TOPSOIL REMOVAL WITHIN THE FIELD AREA IS REQUESTED BY THE ENGINEER BEYOND THE LOCATIONS CALLED FOR ON THE DRAWINGS, SUCH ADDITIONAL TOPSOIL SHALL BE REMOVED, LOADED, AND TRANSPORTED TO THE OFFSITE LOCATION UNDER BID ITEM 5.
 - PERFORM EXPLORATORY TEST PITS PER BID ITEM 7 AND APPROPRIATE SPECIFICATIONS IN LOCATIONS SHOWN ON THE DRAWINGS. TESTS PIT ARE TO BE CONDUCTED TO CONFIRM LOCATION AND ELEVATION OF ALL UTILITY STRUCTURES WITHIN THE LIMIT OF WORK.

- CONTRACTOR IS ADVISED THAT PORTIONS OF THE WORK CONTEMPLATED IN THE CONTRACT DOCUMENTS OCCURS WITHIN METROPOLITAN DISTRICT COMMISSION (MDC) AND NORTH BRANCH PARK RIVER CONDUIT EASEMENTS. THE FOLLOWING REQUIREMENTS AND LIMITATIONS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE ASSUMED TO BE PRELIMINARY AND MINIMUMS REQUIRED. THE PROJECT IS UNDER REVIEW BY THE UNITED STATES CORP. OF ENGINEERS (USACOE). ADDITIONAL LIMITATIONS OR REQUIREMENTS MAY BE REQUIRED.
- CONTRACTOR TO PREPARE AN EMERGENCY ACTION PLAN FOR REVIEW AND APPROVAL BY THE CITY OF HARTFORD DPW AND USACOE. PLAN SHALL BE BASED ON DESIGN FLOOD EVENT FOR OPERATIONS DURING CONSTRUCTION. CONTRACTOR MUST ALLOW DPW ACCESS TO THE VARIOUS PARK RIVER CONDUIT (PRC) VALVES IN THE EVENT OF A FLOOD AS REQUIRED BY THE OPERATION & MAINTENANCE MANUAL FOR THE PRC. PRC SLUICE GATE VALVES NEED TO BE ACCESSED WHEN PARK RIVER ELEVATION REACHES 29.5' (1929 NGVD).
- THE CITY OF HARTFORD WILL PERFORM PRE & POST-CONSTRUCTION INSPECTION OF THE PRC IN THE VICINITY OF PROPOSED WORK. THE CITY OF HARTFORD WILL PROVIDE THE CONTRACTOR WITH A REPORT OF FINDINGS, IF APPLICABLE, PRIOR TO THE START AND COMPLETION OF CONSTRUCTION. ANY DAMAGE TO THE PRC DETERMINED TO BE CAUSED BY PROPOSED CONSTRUCTION ACTIVITIES SHALL BE REPAIRED TO THE SATISFACTION OF USACOE AND CITY OF HARTFORD DPW AT NO COST TO THE OWNER.
- AT THE COMPLETION OF THE PROJECT AND NO GREATER THAN 60 DAYS FROM SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PREPARE A COMPLETION REPORT AND SUBMIT TO USACOE AND CITY OF HARTFORD. REPORT SHALL INCLUDE, AT MINIMUM, AS-BUILT PLANS, PHOTOGRAPHS, COMPACTION TESTING, ETC.
- CONSTRUCTION LIMITATIONS OVER THE PARK RIVER CONDUIT NOTES:**
- PRIOR TO COMMENCING ANY MAJOR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL FIELD LOCATE THE CONDUIT AND PLACE BARRICADES AND SIGNAGE AS NECESSARY TO CLEARLY IDENTIFY THE LOCATION OF THE CONDUIT BELOW GRADE. THE CONTRACTOR SHALL MAINTAIN BARRICADES AND SIGNAGE AS REQUIRED FOR THE DURATION OF THE CONTRACT. SEE NOTE #9 FOR RESTRICTIONS.
 - ALL EQUIPMENT OPERATORS SHALL BE NOTIFIED OF THE PRESENCE OF THE CONDUIT ON SITE AND THE LIMITATIONS OF WORKING ON OR NEAR THE CONDUIT PRIOR TO COMMENCING WORK ON SITE.
 - LARGE TRUCKS TRANSPORTING FILL, LARGE EARTH MOVING AND COMPACTION EQUIPMENT, IN EXCESS OF 8,000 LB. AXLE LOAD, SHALL CROSS THE EXISTING CONDUIT BETWEEN STATIONS 36+00 AND 36+50 ONLY. CROSSING THE CONDUIT IN ANY OTHER LOCATIONS WILL REQUIRE TEMPORARY BRIDGING. BRIDGING, IF REQUIRED BY THE CONTRACTOR, SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR. DESIGN OF ANY TEMPORARY BRIDGING STRUCTURE SHALL BE SUBMITTED TO THE OWNER AND USACOE FOR REVIEW AND ACCEPTANCE.
 - NO STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR ON TOP OF THE CONDUIT.
 - FILLS SHALL BE PLACED IN LAYERS USING LIGHT MACHINERY, NOT TO EXCEED 10,000 LB. WHEN FULLY LOADED OR EQUIPPED OVER AND AROUND ALL PARK RIVER CONDUIT COMPONENTS (SIDE DRAINS, VALVE, ETC.).
 - PLACE FILLS OVER CONDUIT PERPENDICULAR TO THE RUN OF THE CONDUIT. PLACING MACHINERY SHALL TRAVEL OVER THE CONDUIT AT A 90 DEGREE ANGLE TO THE RUN OF THE CONDUIT BETWEEN STA. 36+40 AND STA. 36+50. DO NOT PLACE FILLS OR RUN PLACING MACHINERY LONGITUDINALLY ABOVE THE CONDUIT.
 - OPERATE ONLY SMALL VIBRATORY COMPACTORS, NOT TO EXCEED A TWO (2) TON CAPACITY, OVER THE CONDUIT. SEE SPECIFICATIONS FOR COMPACTION REQUIREMENTS.
 - NUMEROUS STORM AND SANITARY STRUCTURES EXIST ON SITE WHICH WERE NOT FIELD LOCATED (NFI) ON PREVIOUS SITE SURVEYS. THE CONTRACTOR SHALL RETAIN A REGISTERED SURVEYOR TO LOCATE AND DOCUMENT THE LOCATIONS OF THESE STRUCTURES AS THEY ARE FIELD LOCATED. PRIOR TO FINAL ACCEPTANCE THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AS-BUILT DRAWINGS WITH THE LOCATIONS OF THESE STRUCTURES.

ALTERNATE LIST - SEE SHEET L-2.1

- SYNTHETIC GRASS SPORTS SURFACING WITH ORGANIC INFILL. SEE SPECIFICATION AND DETAILS.
- SPORTS FIELD LIGHTING AND ELECTRICAL COMPONENTS. SEE ELECTRICAL PLANS AND SPECIFICATIONS.
- ALL WEATHER RUNNING TRACK AND EVENTS. SEE SHEET L-2.1, SHEET L-5.1, AND SPECIFICATIONS.

ISSUED FOR PERMITTING

SCALE: 1" = 30'

0 15 30 60 FEET

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SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING

Prepared For:

CITY OF
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Consultant

BSC GROUP

300 Winding Brook Drive
Glastonbury, Connecticut 06033
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SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
HARTFORD, CT
55 FOREST STREET

Sheet Description:

SITE
PREPARATION
PLAN - BASE BID

Rev: 1: MARCH 26, 2020

Issue Date:

FEBRUARY 11, 2020

Scale:

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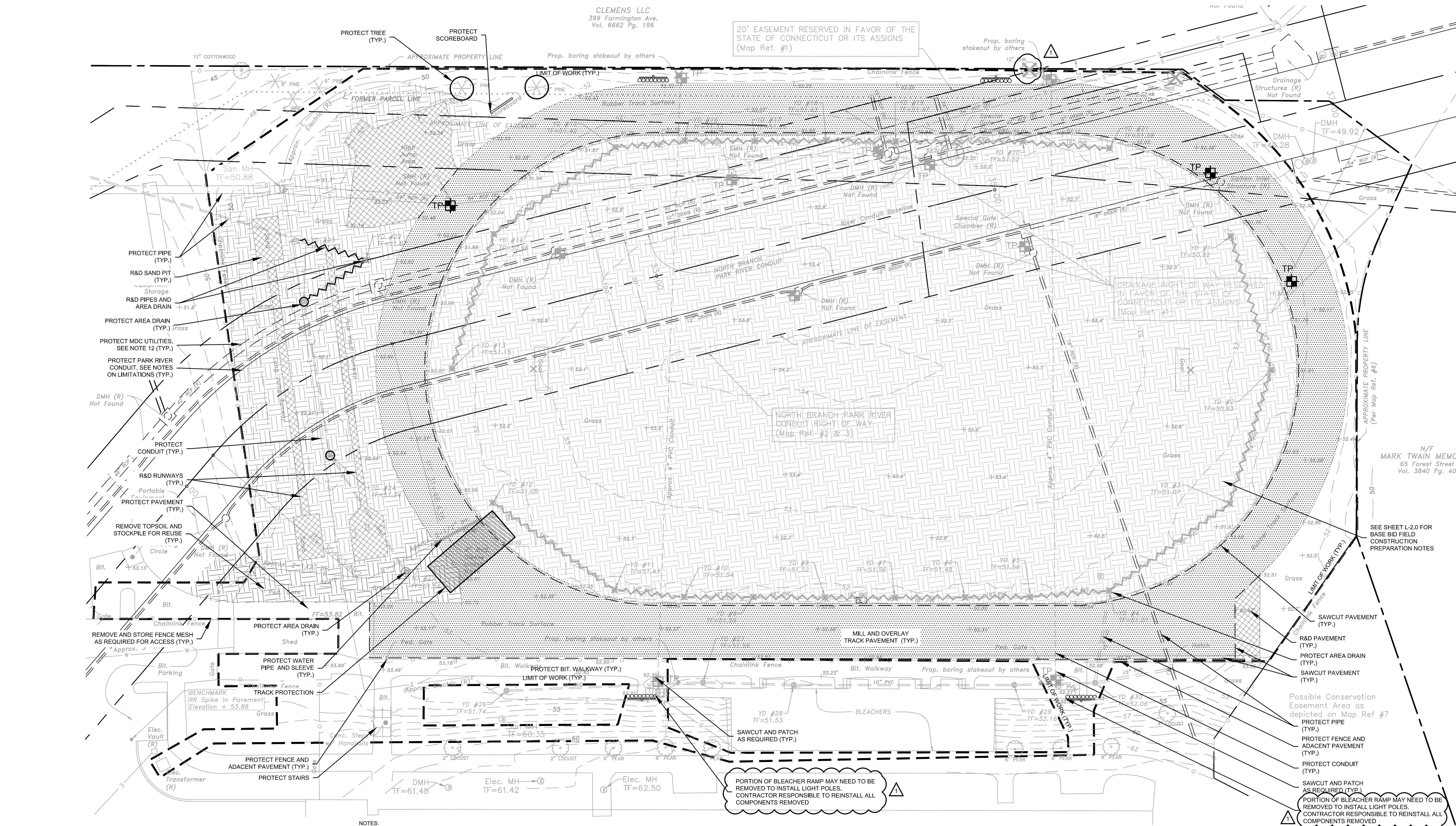
Project number:

6313

Sheet #:

L-2.0

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NOTES:

- CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
- NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
- THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- THE SCHOOL FACILITY WILL BE OCCUPIED AND IN USE DURING THE COURSE OF THE WORK. PROVIDE SAFETY BARRIERS, INCLUDING BUT NOT LIMITED TO, FENCING, BARRICADES, AND SIGNAGE AS REQUIRED TO PREVENT UNAUTHORIZED ENTRY TO THE WORK AREA AT ALL TIMES.
- ALL CONSTRUCTION FENCING AND WARNING SIGNS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION. INSTALL CONSTRUCTION FENCING AT THE LIMIT OF WORK.
- PRIOR TO THE TERMINATION, ABANDONMENT, OR REMOVAL OF ANY UTILITY, VERIFY THAT APPLICABLE NOTIFICATIONS HAVE BEEN MADE TO THE UTILITY OWNER/OPERATOR AND THAT THE UTILITY HAS BEEN PROPERLY TERMINATED, CAPPED, OR PLUGGED AS REQUIRED.
- PROTECT ALL IMPROVEMENTS NOT INCLUDED IN THE SCOPE OF SITE DEMOLITION. ANY IMPROVEMENT WHICH IS DAMAGED SHALL BE REPAIRED OR REPLACED IN-KIND TO THE OWNER'S SATISFACTION.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.
- UNLESS OTHERWISE NOTED, ALL MDC UTILITIES LOCATED IN THE LIMIT OF WORK SHALL BE PROTECTED. ANY UNKNOWN UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE REPORTED TO MDC.
- TOPSOIL REMOVED FROM THE FIELD AREA MAY BE USED FOR RESTORATION OF OTHER PROJECT AREAS WITH APPROVAL OF THE ENGINEER. THE CITY SHALL RETAIN OWNERSHIP OF ALL EXCESS TOPSOIL NOT UTILIZED ON THE PROJECT. ALL EXCESS TOPSOIL SHALL BE TRANSPORTED OFFSITE BY THE CONTRACTOR. LOCATION TO BE DETERMINED BY THE CITY WITHIN CITY LIMITS. IF ADDITIONAL TOPSOIL REMOVAL WITHIN THE FIELD AREA IS REQUESTED BY THE ENGINEER BEYOND THE LIMITS CALLED FOR ON THE DRAWINGS, SUCH ADDITIONAL TOPSOIL SHALL BE REMOVED, LOADED, AND TRANSPORTED TO THE OFFSITE LOCATION UNDER BID ITEM XX.
- PERFORM EXPLORATORY TEST PITS PER BID ITEM XX AND APPROPRIATE SPECIFICATIONS.

CONTRACTOR IS ADVISED THAT PORTIONS OF THE WORK CONTEMPLATED IN THE CONTRACT DOCUMENTS OCCURS WITHIN METROPOLITAN DISTRICT COMMISSION (MDC) AND NORTH BRANCH PARK RIVER CONDUIT EASEMENTS. THE FOLLOWING REQUIREMENTS AND LIMITATIONS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE ASSUMED TO BE PRELIMINARY AND MINIMUMS REQUIRED. THE PROJECT IS UNDER REVIEW BY THE UNITED STATES CORP. OF ENGINEERS (USACE). ADDITIONAL LIMITATIONS OR REQUIREMENTS MAY BE REQUIRED.

CONTRACTOR TO PREPARE AN EMERGENCY ACTION PLAN FOR REVIEW AND APPROVAL BY THE CITY OF HARTFORD DPW AND USACE. PLAN SHALL BE BASED ON DESIGN FLOOD EVENT FOR OPERATIONS DURING CONSTRUCTION. CONTRACTOR MUST ALLOW DPW ACCESS TO THE VARIOUS PARK RIVER CONDUIT (PRC) VALVES IN THE EVENT OF A FLOOD AS REQUIRED BY THE OPERATION & MAINTENANCE MANUAL FOR THE PRC. PRC SLUICE GATE VALVES NEED TO BE ACCESSED WHEN PARK RIVER ELEVATION REACHES 29.5' (1929 NGVD).

THE CITY OF HARTFORD WILL PERFORM PRE & POST-CONSTRUCTION INSPECTION OF THE PRC IN THE VICINITY OF PROPOSED WORK. THE CITY OF HARTFORD WILL PROVIDE THE CONTRACTOR WITH A REPORT OF FINDINGS, IF APPLICABLE, PRIOR TO THE START AND COMPLETION OF CONSTRUCTION. ANY DAMAGE TO THE PRC DETERMINED TO BE CAUSED BY PROPOSED CONSTRUCTION ACTIVITIES SHALL BE REPAIRED TO THE SATISFACTION OF USACE AND CITY OF HARTFORD DPW AT NO COST TO THE OWNER.

AT THE COMPLETION OF THE PROJECT AND NO GREATER THAN 60 DAYS FROM SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PREPARE A COMPLETION REPORT AND SUBMIT TO USACE AND CITY OF HARTFORD. REPORT SHALL INCLUDE, AT MINIMUM, AS-BUILT PLANS, PHOTOGRAPHS, COMPACTION TESTING, ETC.

CONSTRUCTION LIMITATIONS OVER THE PARK RIVER CONDUIT NOTES:

- PRIOR TO COMMENCING ANY MAJOR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL FIELD LOCATE THE CONDUIT AND PLACE BARRICADES AND SIGNAGE AS NECESSARY TO CLEARLY IDENTIFY THE LOCATION OF THE CONDUIT BELOW GRADE. THE CONTRACTOR SHALL MAINTAIN BARRICADES AND SIGNAGE AS REQUIRED FOR THE DURATION OF THE CONTRACT. SEE NOTE #3 FOR RESTRICTIONS.
- ALL EQUIPMENT OPERATORS SHALL BE NOTIFIED OF THE PRESENCE OF THE CONDUIT ON SITE AND THE LIMITATIONS OF WORKING ON OR NEAR THE CONDUIT PRIOR TO COMMENCING WORK ON SITE.
- LARGE TRUCKS TRANSPORTING FILL, LARGE EARTH MOVING AND COMPACTION EQUIPMENT, IN EXCESS OF 8,000 LB. AXLE LOAD, SHALL CROSS THE EXISTING CONDUIT BETWEEN STATIONS 36+00 AND 36+50 ONLY. CROSSING THE CONDUIT IN ANY OTHER LOCATIONS WILL REQUIRE TEMPORARY BRIDGING. BRIDGING, IF REQUIRED BY THE CONTRACTOR, SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR. DESIGN OF ANY TEMPORARY BRIDGING STRUCTURE SHALL BE SUBMITTED TO THE OWNER AND USACE FOR REVIEW AND ACCEPTANCE.
- NO STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR ON TOP OF THE CONDUIT.

CONSTRUCTION ABOVE CONDUIT

- FILLS SHALL BE PLACED IN LAYERS USING LIGHT MACHINERY, NOT TO EXCEED 10,000 LB. WHEN FULLY LOADED OR EQUIPPED OVER AND AROUND ALL PARK RIVER CONDUIT COMPONENTS. (SIDE DRAINS, VALVE, ETC.)
- PLACE FILLS OVER CONDUIT PERPENDICULAR TO THE RUN OF THE CONDUIT. PLACING MACHINERY SHALL TRAVEL OVER THE CONDUIT AT A 90 DEGREE ANGLE TO THE RUN OF THE CONDUIT BETWEEN STA. 36+00 AND STA. 36+50. DO NOT PLACE FILLS OR RUN PLACING MACHINERY LONGITUDINALLY ABOVE THE CONDUIT.
- OPERATE ONLY SMALL VIBRATORY COMPACTORS, NOT TO EXCEED A TWO (2) TON CAPACITY, OVER THE CONDUIT. SEE SPECIFICATIONS FOR COMPACTION REQUIREMENTS.
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ALTERNATE LIST

- SYNTHETIC GRASS SPORTS SURFACING WITH ORGANIC INFILL. SEE SPECIFICATION AND DETAILS.
- SPORTS FIELD LIGHTING AND ELECTRICAL COMPONENTS. SEE ELECTRICAL PLANS AND SPECIFICATIONS.
- ALL WEATHER RUNNING TRACK AND EVENTS. SEE SHEET L-2.1, SHEET L-5.1, AND SPECIFICATIONS.

ISSUED FOR PERMITTING

SCALE: 1" = 30'
0 15 30 60 FEET



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SITE DESIGN
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Prepared For:

CITY OF
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Consultant

BSC GROUP

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860 652 8227

SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
HARTFORD, CT
55 FOREST STREET

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ALTERNATE

Rev: 1: MARCH 26, 2020

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Project number:

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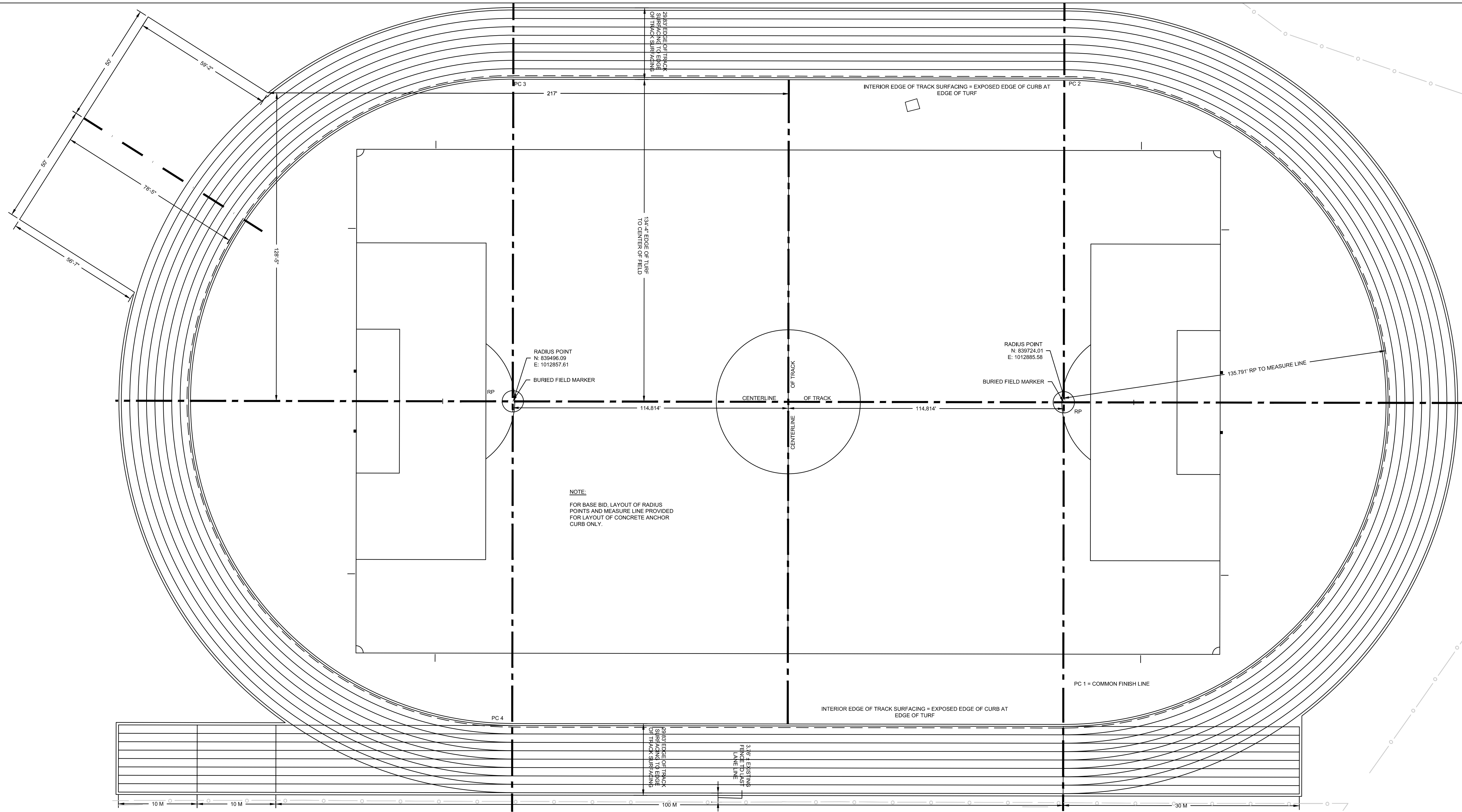
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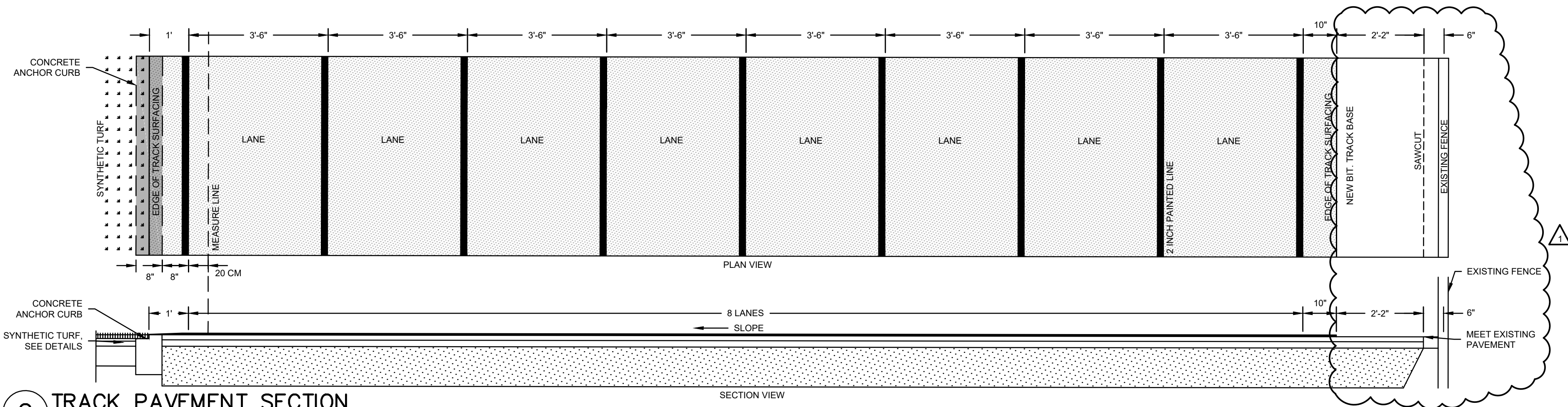
1 TRACK LAYOUT PLAN

SCALE: 1" = 20'



2 TRACK PAVEMENT SECTION

SCALE: NONE



- ALTERNATE LIST - SEE SHEET L-5.1**
1. SYNTHETIC GRASS SPORTS SURFACING WITH ORGANIC INFILL. SEE SPECIFICATION AND DETAILS.
 2. SPORTS FIELD LIGHTING AND ELECTRICAL COMPONENTS. SEE ELECTRICAL PLANS AND SPECIFICATIONS.
 3. ALL WEATHER RUNNING TRACK AND EVENTS. SEE SHEET L-2.1, SHEET L-5.1, AND SPECIFICATIONS.

ISSUED FOR PERMITTING

SCALE: 1" = 20'
0 10 20 40 FEET

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SITE DESIGN
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Prepared For:

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SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
55 FOREST STREET HARTFORD, CT

Sheet Description:

LAYOUT PLAN

Rev: 1. MARCH 26, 2020

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Project number:

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Sheet #:

L-3.0

FLOOD COMMISSION NOTES:

THE FOLLOWING FLOOD COMMISSION NOTES HAVE BEEN MODIFIED TO BEST FIT THE PROPOSED RECONSTRUCTION OF THE NATURAL GRASS FIELD TO SYNTHETIC TURF. PLEASE NOTE THE FOLLOWING GENERAL INFORMATION WITH REGARD TO THE FLOOD COMMISSION NOTES:

A. BOTH THE EXISTING AND PROPOSED FIELD SURFACE ARE ABOVE THE FLOOD STORAGE ELEVATION.

B. THERE IS NO FILL BEING ADDED BELOW THE FLOOD STORAGE ELEVATION BECAUSE THE FLOOD STORAGE ELEVATION IS BELOW EXISTING GRADE.

C. THROUGH THE INSTALLATION OF THE PERIMETER COLLECTOR DRAIN, EXISTING POORLY DRAINING MATERIAL IS BEING REMOVED FROM BELOW THE FLOOD STORAGE ELEVATION AND BEING REPLACED WITH FREE DRAINING STONE WITH 40% VOID SPACE. THIS VOID SPACE EQUATES TO THE "COMPENSATORY STORAGE" VOLUME ADDED, THOUGH COMPENSATION IS NOT NEEDED.

FLOOD COMMISSION NOTES:

1. THE STORAGE VOLUME OF WATER OCCUPIED BY THE PROPOSED EARTH FILL ON THIS PLAN BELOW ELEVATION 51.15 NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 DATUM IS 0.0 CU. YDS.

2. THE STORAGE VOLUME OCCUPIED BY THE PROPOSED PIERS AND STAIRWELLS ON THIS PLAN BELOW ELEVATION 51.15 NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 IS 0.0 CU. YDS.

3. THE STORAGE VOLUME OF EARTH TO BE EXCAVATED AS COMPENSATORY STORAGE ON THIS PLAN AS REPLACEMENT FOR THE VOLUME OF EARTH FILL, PIERS, AND STAIRWELLS PLACED BELOW ELEVATION 51.15 NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 IS 108 CU. YDS.

4. THE NET FLOOD STORAGE VOLUME WITHIN THE FLOOD PLAIN DISTRICT AS A RESULT OF THIS APPLICATION WILL INCREASE 108 CU. YDS.

5. THIS STRUCTURE HAS A PHYSICAL CONNECTION TO AREAS OUTSIDE OF THE FLOOD PLAIN DISTRICT FOR ACCESS AND EGRESS AT ELEVATION 53.5 NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

6. ELEVATION OF THE LOWEST SUBGRADE OF NEW OR SUBSTANTIALLY IMPROVED STRUCTURES IS 51.35 NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

7. THE STRUCTURE ITSELF WILL BE DESIGNED TO WITHSTAND VELOCITIES OR HYDROSTATIC PRESSURE.

8. THE STRUCTURE WILL BE FLOOD-PROOFED TO ELEVATION 51.15 NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

9. THIS PLAN SHALL BE SUBJECT TO ANY SPECIAL CONDITIONS WHICH ARE MADE PART OF THE WRITTEN CERTIFICATION OF APPROVAL BY THE GREATER HARTFORD FLOOD COMMISSION AND TO THE RULES AND REGULATIONS GOVERNING THE USE OF THE FLOOD PLAIN DISTRICT AS ADOPTED BY THE GREATER HARTFORD FLOOD COMMISSION.

CUT AND FILL CALCULATIONS

PROPOSED FIELD (EX VS. PROPOSED):
CUT = 2,030 CY; FILL = 750 CY

PROPOSED FIELD CROSS SECTION VOLUME:
3,620 CY

DATUM:

NORTH AMERICAN VERTICAL DATUM OF 1988

NOTES:

- CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
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- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
- THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. DO NOT PROCEED WITH ANY ADJUSTMENT OR FIELD MODIFICATION UNTIL APPROVED BY THE ENGINEER. ENSURE COMPLIANCE WITH CONNECTICUT BUILDING CODE FOR ALL NEW CONSTRUCTION.
- ENGAGE A CONNECTICUT-LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF PROPOSED IMPROVEMENTS, DIMENSIONS, AND ELEVATIONS. REPORT DISCREPANCIES TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED. BLEND RESTORED AREAS INTO ADJACENT UNDISTURBED AREAS.
- PROPOSED GRADES INDICATE DESIGN INTENT. VERIFY ELEVATIONS AND MAKE ADJUSTMENTS TO MEET FIELD CONDITIONS. DO NOT PROCEED WITH ANY ADJUSTMENT OR FIELD MODIFICATION UNTIL APPROVED BY THE ENGINEER.
- VERIFY ALL GRADES AND SLOPES PRIOR TO CONCRETE PLACEMENT. REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- COMPLY WITH CONNECTICUT BUILDING CODE FOR ALL SITE CONSTRUCTION, INCLUDING HANDICAPPED ACCESSIBILITY.
- THE CROSS-SLOPE OF ANY SIDEWALK, WALKWAY, OR OTHER PEDESTRIAN SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
- ACCESSIBLE ROUTES SHALL COMPLY WITH CONNECTICUT BUILDING CODE. THE RUNNING SLOPE OF

WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%). GRADING CONTOURS AND SPOT GRADES INDICATE DESIGN INTENT. CONFIRM THE GRADE AND SLOPE OF NEW WORK BASED ON ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH INSTALLATION. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING.

13. RAMPS SHALL COMPLY WITH CT BUILDING CODE, REF. 2012 IBC SECTION 1010 AND ICC/ANSI A117.1 2009 CHAPTER 4, SECTION 405 AND 406. GRADING CONTOURS AND SPOT GRADES INDICATE DESIGN INTENT. CONFIRM THE GRADE AND SLOPE OF NEW WORK BASED ON ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH INSTALLATION. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING.

14. GRADE TRANSITION BETWEEN TOPOGRAPHIC LINES AND SPOT GRADES SHALL BE UNIFORM UNLESS OTHERWISE INDICATED.

15. UNLESS OTHERWISE INDICATED, BLEND TRANSITIONS IN ELEVATION BETWEEN NEW WORK AND AREAS TO REMAIN AT A MAXIMUM SLOPE OF 1V:2H AND RESTORE WITH SIX (6) INCHES OF LOAM AND SEED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED. COORDINATE WITH ENGINEER IF DIMENSIONAL CONSTRAINTS REQUIRE STEEPER SLOPES.

16. ALL DRAINAGE PIPE THAT IS 12-INCHES OR LARGER SHALL BE REINFORCED CONCRETE PIPE UNLESS OTHERWISE INDICATED. SEE SPECIFICATIONS.

17. UPON REACHING PROPOSED SUBGRADE ELEVATIONS WITHIN THE FIELD, ENGINEER WILL REVIEW SUBGRADE PRIOR TO INSTALLATION OF DRAINAGE SYSTEM. SEE SPECIFICATION SECTION 31.2310 - EARTHWORK.

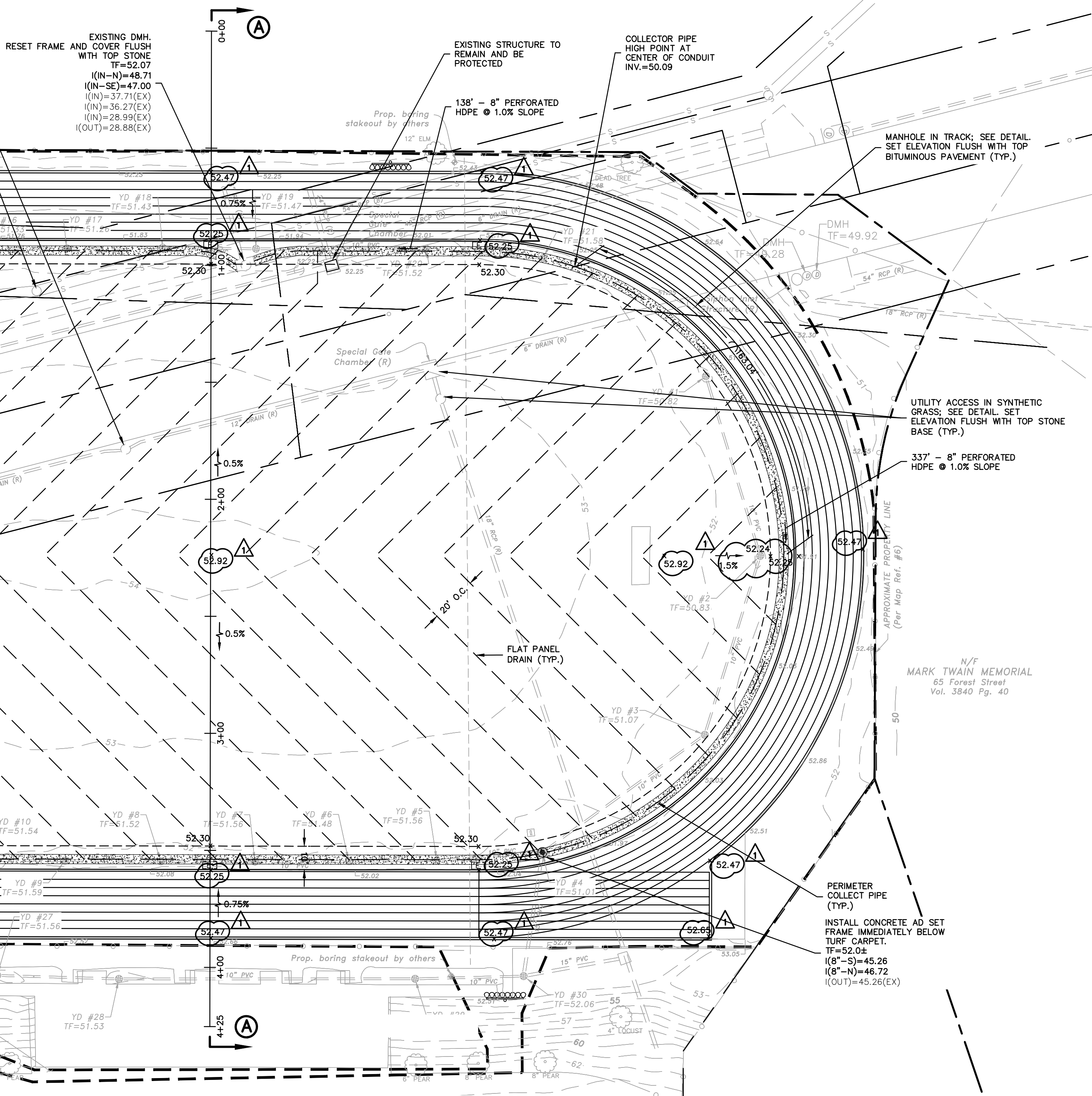
18. ALL CATCH BASINS AND SHALLOW DROP INLETS SET AGAINST CURBS SHALL BE CONDUIT TYPE "C". ALL OTHERS SHALL BE CONDUIT TYPE "C-L".

19. ALL UNDERDRAINS SHALL BE 6-INCH HDPE UNLESS OTHERWISE SPECIFIED. SEE SPECIFICATIONS.

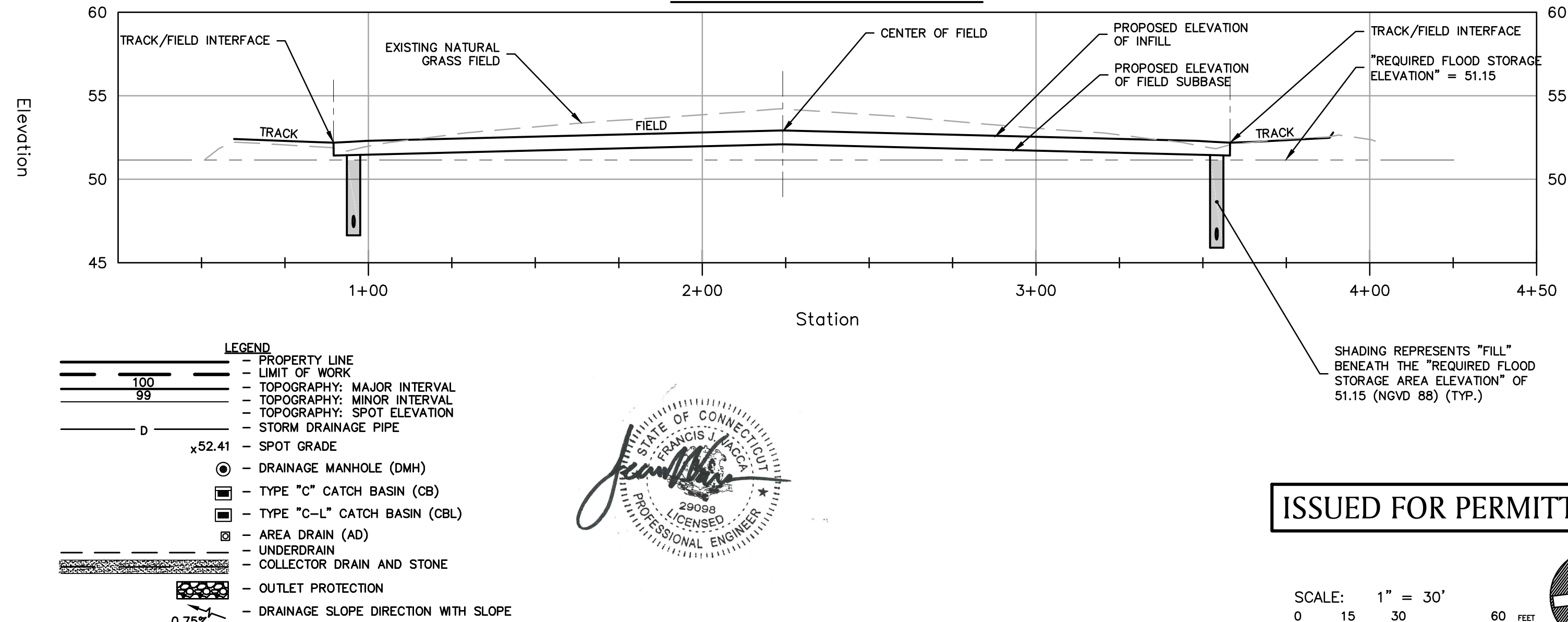
20. THE TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) OF ALL UTILITY STRUCTURES THAT ARE TO REMAIN SHALL BE ADJUSTED TO MATCH FINAL GRADE IN A FLUSH CONDITION UNLESS OTHERWISE INDICATED ON THE PLAN. ALL NEW UTILITY STRUCTURES SHALL BE INSTALLED WITH TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) TO FINAL GRADE IN A FLUSH CONDITION UNLESS OTHERWISE INDICATED ON THE PLAN.

21. AT THE CONCLUSION OF THE WORK, CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT MATERIAL FROM ALL PORTIONS OF THE STORM DRAINAGE SYSTEM, INCLUDING NEW WORK AND EXISTING WORK THAT REMAINS OR IS INCORPORATED INTO THE NEW SYSTEM.

22. INVERT INFORMATION OBTAINED FROM MAP REFERENCE "SITE IMPROVEMENTS TO ATHLETIC FACILITIES HARTFORD PUBLIC HIGH SCHOOL" DATED: APRIL 8, 1997, WHICH STATES INVERTS WERE OBTAINED FROM MDC CONSTRUCTION DRAWINGS. CONTRACTOR TO VERIFY INVERT ELEVATIONS IN THE FIELD.



FIELD REPLACEMENT CROSS SECTION A-A



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SCALE: 1" = 30'
0 15 30 60 FEET

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SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING

Prepared For:

CITY OF
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300 Winding Brook Drive
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SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
55 FOREST STREET
HARTFORD, CT

Sheet Description:

GRADING AND
DRAINAGE PLAN

Rev: 1. MARCH 26, 2020

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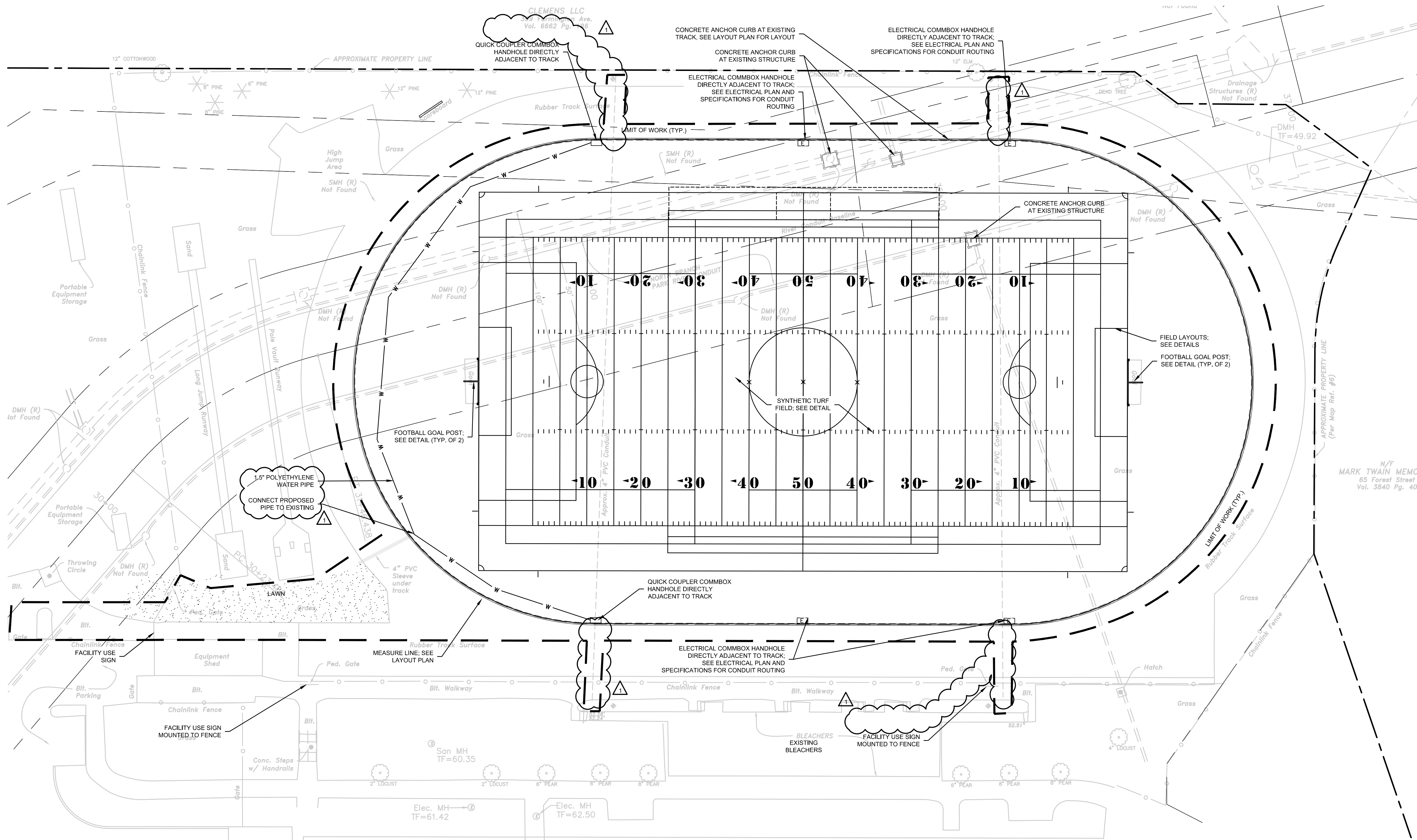
Project number:

6313

Sheet #:

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- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
- THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- THIS DRAWING IS INTENDED TO DEPICT THE LOCATION, LAYOUT, AND MATERIALS OF CONSTRUCTION AND IS INTENDED TO BE USED IN CONJUNCTION WITH THE DETAILS AND APPLICABLE SPECIFICATION SECTIONS.
- ENGAGE A CONNECTICUT-LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO THE IDENTIFICATION AND LAYOUT OF PROPOSED IMPROVEMENTS, DIMENSIONS, AND ELEVATIONS. REPORT DISCREPANCIES TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED. BLEND RESTORED AREAS INTO ADJACENT UNDISTURBED AREAS.
- THE CROSS-SLOPE OF ANY SIDEWALK, WALKWAY, OR OTHER PEDESTRIAN SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
- ACCESSIBLE ROUTES SHALL COMPLY WITH CONNECTICUT BUILDING CODE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
- RAMPS SHALL COMPLY WITH CT BUILDING CODE, REF. 2012 IBC SECTION 1010 AND ICC/ANSI A117.1 2009 CHAPTER 4, SECTION 405.
- CONSTRUCTION JOINTS: REINFORCEMENT SHALL NOT CONTINUE THROUGH CONSTRUCTION JOINTS.
- PRIOR TO INITIATION OF CONCRETE FLATWORK, SUBMIT PROPOSED CONSTRUCTION JOINT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. COORDINATE SUCH PLAN WITH THE JOINT PATTERNS DEPICTED ON THE DRAWINGS.
- UNLESS OTHERWISE SPECIFIED, MISCELLANEOUS CONCRETE PADS SHALL BE CONSTRUCTED PER SIDEWALK DETAIL.
- DIMENSIONS INDICATED ARE TO FACE OF CURB, PAVEMENT EDGE, EDGE OR CENTERLINE OF IMPROVEMENT, OR AS OTHERWISE NOTED.
- PROVIDE FOR THE LAYOUT AND STAKING/MARKING OF THE PROPOSED LOCATION OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING FURNISHINGS. OBTAIN ENGINEER'S APPROVAL OF THE LAYOUT PRIOR TO PROCEEDING WITH THE WORK.
- UNLESS OTHERWISE INDICATED, LINES ARE PARALLEL OR PERPENDICULAR TO LINE FROM WHICH THEY ARE MEASURED.

CONTRACTOR IS ADVISED THAT PORTIONS OF THE WORK CONTEMPLATED IN THE CONTRACT DOCUMENTS OCCURS WITHIN METROPOLITAN DISTRICT COMMISSION (MDC) AND NORTH BRANCH PARK RIVER CONDUIT EASEMENTS. THE FOLLOWING REQUIREMENTS AND LIMITATIONS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE ASSUMED TO BE PRELIMINARY AND MINIMUMS REQUIRED. THE PROJECT IS UNDER REVIEW BY THE UNITED STATES CORP. OF ENGINEERS (USACOE). ADDITIONAL LIMITATIONS OR REQUIREMENTS MAY BE REQUIRED.

CONTRACTOR TO PREPARE AN EMERGENCY ACTION PLAN FOR REVIEW AND APPROVAL BY THE CITY OF HARTFORD DPW AND USACOE. PLAN SHALL BE BASED ON DESIGN FLOOD EVENT FOR OPERATIONS DURING CONSTRUCTION. CONTRACTOR MUST ALLOW DPW ACCESS TO THE VARIOUS PARK RIVER CONDUIT (PRC) VALVES IN THE EVENT OF A FLOOD AS REQUIRED BY THE OPERATION & MAINTENANCE MANUAL FOR THE PRC. PRC SLUICE GATE VALVES NEED TO BE ACCESSED WHEN PARK RIVER ELEVATION REACHES 29.5' (1929 NGVD).

THE CITY OF HARTFORD WILL PERFORM PRE & POST-CONSTRUCTION INSPECTION OF THE PRC IN THE VICINITY OF PROPOSED WORK. THE CITY OF HARTFORD WILL PROVIDE THE CONTRACTOR WITH A REPORT OF FINDINGS, IF APPLICABLE, PRIOR TO THE START AND COMPLETION OF CONSTRUCTION. ANY DAMAGE TO THE PRC DETERMINED TO BE CAUSED BY PROPOSED CONSTRUCTION ACTIVITIES SHALL BE REPAIRED TO THE SATISFACTION OF USACOE AND CITY OF HARTFORD DPW AT NO COST TO THE OWNER.

AT THE COMPLETION OF THE PROJECT AND NO GREATER THAN 60 DAYS FROM SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL PREPARE A COMPLETION REPORT AND SUBMIT TO USACOE AND CITY OF HARTFORD. REPORT SHALL INCLUDE, AT MINIMUM, AS-BUILT PLANS, PHOTOGRAPHS, COMPACTION TESTING, ETC.

CONSTRUCTION LIMITATIONS OVER THE PARK RIVER CONDUIT NOTES:

- PRIOR TO COMMENCING ANY MAJOR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL FIELD LOCATE THE CONDUIT AND PLACE BARRICADES AND SIGNAGE AS NECESSARY TO CLEARLY IDENTIFY THE LOCATION OF THE CONDUIT BELOW GRADE. THE CONTRACTOR SHALL MAINTAIN BARRICADES AND SIGNAGE AS REQUIRED FOR THE DURATION OF THE CONTRACT. SEE NOTE #9 FOR RESTRICTIONS.
- ALL EQUIPMENT OPERATORS SHALL BE NOTIFIED OF THE PRESENCE OF THE CONDUIT ON SITE AND THE LIMITATIONS OF WORKING ON OR NEAR THE CONDUIT PRIOR TO COMMENCING WORK ON SITE.
- LARGE TRUCKS TRANSPORTING FILL, LARGE EARTH MOVING AND COMPACTION EQUIPMENT, IN EXCESS OF 8,000 LB. AXLE LOAD, SHALL CROSS THE EXISTING CONDUIT BETWEEN STATIONS 36+00 AND 36+50 ONLY. CROSSING THE CONDUIT IN ANY OTHER LOCATIONS WILL REQUIRE TEMPORARY BRIDGING. BRIDGING, IF REQUIRED BY THE CONTRACTOR, SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR. DESIGN OF ANY TEMPORARY BRIDGING STRUCTURE SHALL BE SUBMITTED TO THE OWNER AND USACOE FOR REVIEW AND ACCEPTANCE.
- NO STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR ON TOP OF THE CONDUIT.

CONSTRUCTION ABOVE CONDUIT:

- FILLS SHALL BE PLACED IN LAYERS USING LIGHT MACHINERY, NOT TO EXCEED 10,000 LB. WHEN FULLY LOADED OR EQUIPPED OVER AND AROUND ALL PARK RIVER CONDUIT COMPONENTS (SIDE DRAINS, VALVE, ETC.).
- PLACE FILLS OVER CONDUIT PERPENDICULAR TO THE RUN OF THE CONDUIT. PLACING MACHINERY SHALL TRAVEL OVER THE CONDUIT AT A 90 DEGREE ANGLE TO THE RUN OF THE CONDUIT BETWEEN STA. 36+00 AND STA. 36+50. DO NOT PLACE FILLS OR RUN PLACING MACHINERY LONGITUDINALLY ABOVE THE CONDUIT.
- OPERATE ONLY SMALL VIBRATORY COMPACTORS, NOT TO EXCEED A TWO (2) TON CAPACITY, OVER THE CONDUIT. SEE SPECIFICATIONS FOR COMPACTION REQUIREMENTS.
- NUMEROUS STORM AND SANITARY STRUCTURES EXIST ON SITE WHICH WERE NOT FIELD LOCATED (NFI) ON PREVIOUS SITE SURVEYS. THE CONTRACTOR SHALL RETAIN A REGISTERED SURVEYOR TO LOCATE AND DOCUMENT THE LOCATIONS OF THESE STRUCTURES AS THEY ARE FIELD LOCATED. PRIOR TO FINAL ACCEPTANCE THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AS-BUILT DRAWINGS WITH THE LOCATIONS OF THESE STRUCTURES.



Sheet Description:

MATERIALS PLAN - BASE BID

Rev: 1. MARCH 26, 2020

Issue Date:

FEBRUARY 11, 2020

Scale:

AS NOTED

Drawn by:

JH/IV

Project number:

6313

Sheet #:

L-5.0

to design

114 WEST MAIN STREET
SUITE 202
NEW BRITAIN, CT 06051
860-612-1700

todesignllc.com

SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING

Prepared For:

CITY OF
HARTFORD

Consultant

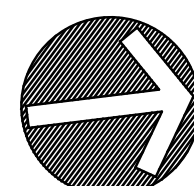
BSC GROUP

300 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
HARTFORD, CT
55 FOREST STREET

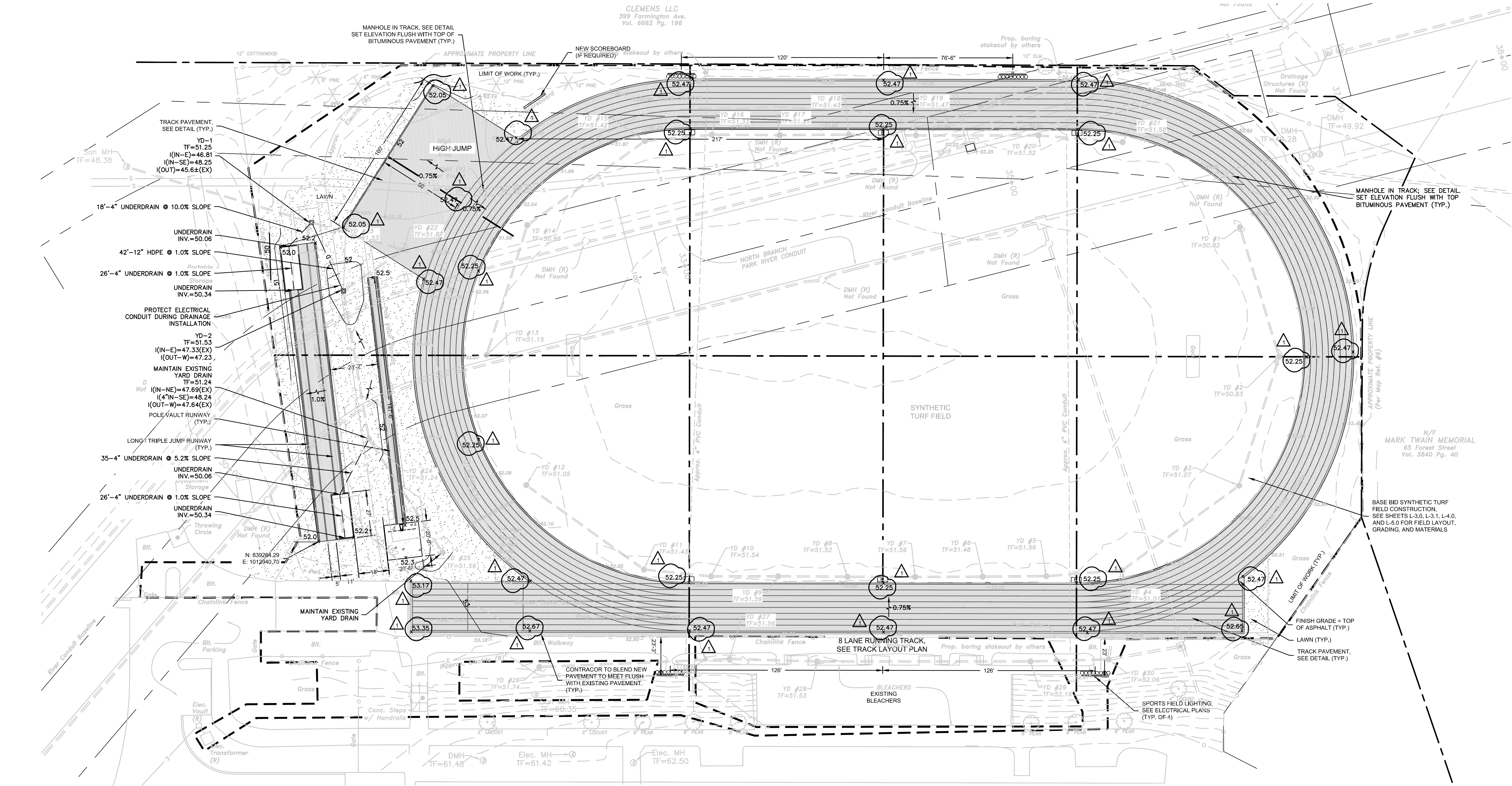
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0 15 30 60 FEET



ISSUED FOR PERMITTING

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NOTES:

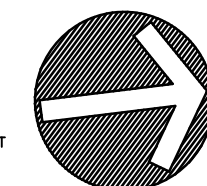
- NOTIFY 'CALL BEFORE YOU DIG' (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
- NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
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- IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
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- THE CROSS-SLOPE OF ANY SIDEWALK, WALKWAY, OR OTHER PEDESTRIAN SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).

- ACCESSIBLE ROUTES SHALL COMPLY WITH CONNECTICUT BUILDING CODE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
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- CONSTRUCTION JOINTS: REINFORCEMENT SHALL NOT CONTINUE THROUGH CONSTRUCTION JOINTS.
- PRIOR TO INITIATION OF CONCRETE FLATWORK, SUBMIT PROPOSED CONSTRUCTION JOINT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. COORDINATE SUCH PLAN WITH THE JOINT PATTERNS DEPICTED ON THE DRAWINGS.
- UNLESS OTHERWISE SPECIFIED, MISCELLANEOUS CONCRETE PADS SHALL BE CONSTRUCTED PER SIDEWALK DETAIL.
- DIMENSIONS INDICATED ARE TO FACE OF CURB, PAVEMENT EDGE, EDGE OR CENTERLINE OF IMPROVEMENT, OR AS OTHERWISE NOTED.
- PROVIDE FOR THE LAYOUT AND STAKING/MARKING OF THE PROPOSED LOCATION OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING FURNISHINGS. OBTAIN ENGINEER'S APPROVAL OF THE LAYOUT PRIOR TO PROCEEDING WITH THE WORK.
- UNLESS OTHERWISE INDICATED, LINES ARE PARALLEL OR PERPENDICULAR TO LINE FROM WHICH THEY ARE MEASURED.
- IN AREAS WHERE EXISTING PAVEMENT TO REMAIN AFTER MILLING IS LESS THAN 1 INCH DEPTH OR REMAINING PAVEMENT IS DETERIORATED OR FALLING APART, CONTRACTOR SHALL SAW CUT, REMOVE REMAINING PAVEMENT AND RECONSTRUCT THOSE AREAS PER THE PAVEMENT PATCH SECTION. CONTRACTOR SHALL RECORD THE AREA AND WILL BE PAID PER THE FULL DEPTH RECONSTRUCTION UNIT PRICE.



ISSUED FOR PERMITTING

SCALE: 1" = 30'
0 15 30 60 FEET



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114 WEST MAIN STREET
SUITE 202
NEW BRITAIN, CT 06051
860-612-1700

todesignllc.com

SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING

Prepared For:

CITY OF
HARTFORD

Consultant

BSC GROUP
300 Winding Brook Drive
Glastonbury, Connecticut 06033
860.652.8227

SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
HARTFORD, CT
55 FOREST STREET

Sheet Description:

**SITE PLAN -
ALTERNATE**

Rev: 1. MARCH 26, 2020

Issue Date:
FEBRUARY 11, 2020

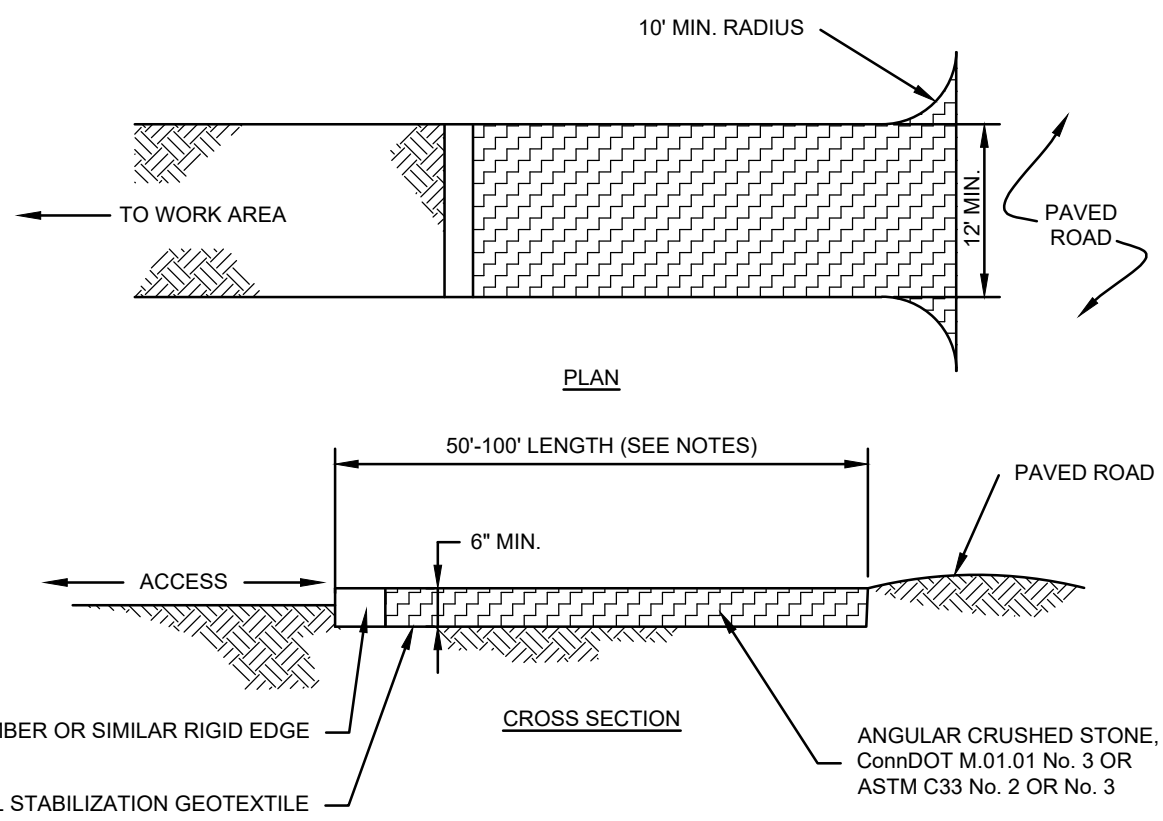
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Drawn by: JH/FV

Project number:
6313

Sheet #:

L-5.1

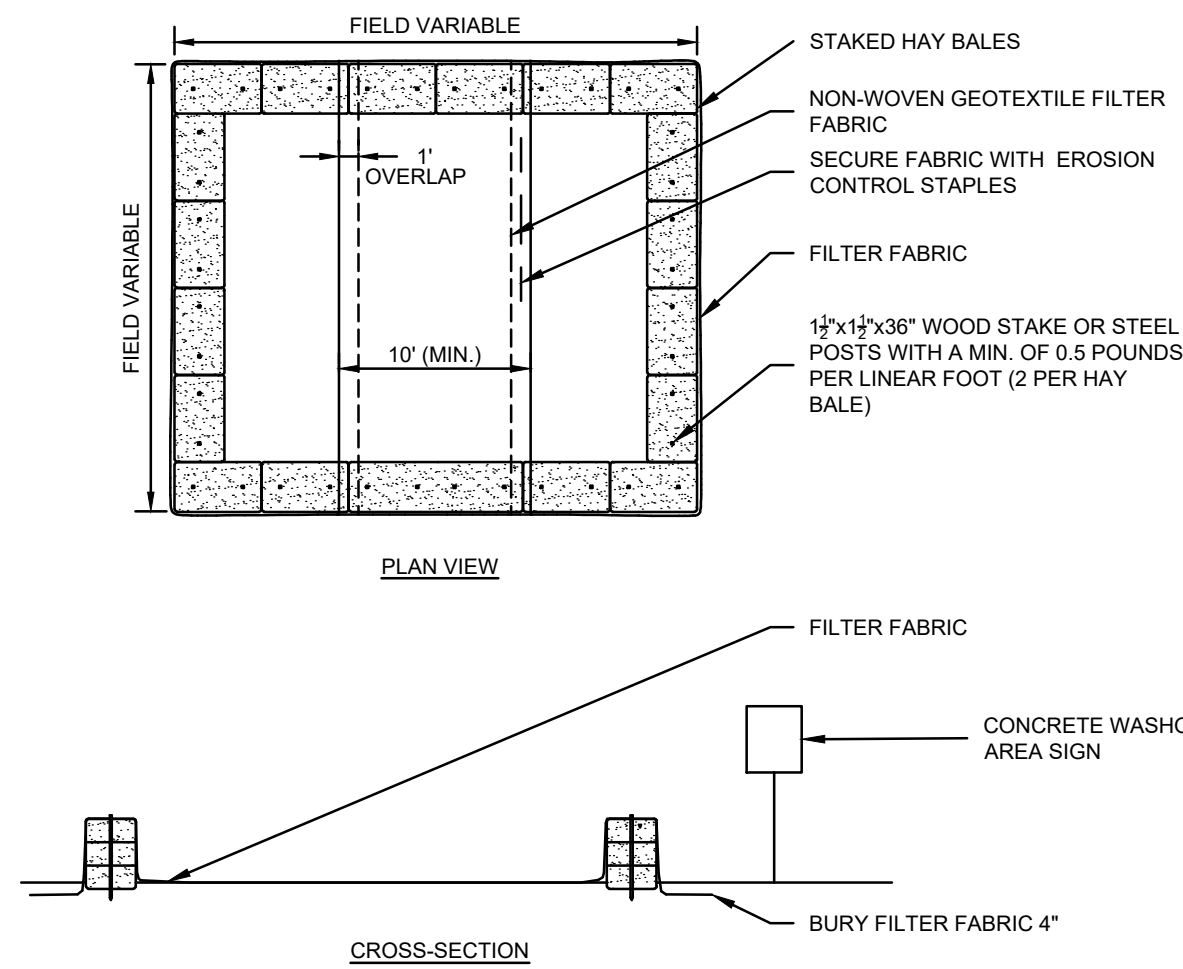
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- NOTES:
1. REMOVE TOPSOIL AND ORGANICS PRIOR TO CRUSHED STONE PLACEMENT.
 2. INSTALL SUB-BASE OF FREE DRAINING BACKFILL OR ROAD STABILIZATION GEOTEXTILE AS NECESSARY ON UNSTABLE SOILS.
 3. LENGTH SHALL BE 50 FOOT MINIMUM. WHERE TRACKED SEDIMENTS CONTAIN LESS THAN 80% SAND, LENGTH SHALL BE 100 FOOT MINIMUM.
 4. IF THE GRADE OF THE CONSTRUCTION ENTRANCE DRAINS TO THE PAVED SURFACE AND IT EXCEEDS 2% SLOPE, CONSTRUCT ENTRANCE AT LEAST 15 FEET FROM ITS ENTRANCE ONTO THE PAVED SURFACE WHILE DIVERTING RUN-OFF WATER TO A SETTLING OR FILTERING AREA.
 5. CONSTRUCT ANY DRAINAGE AND SETTLING FACILITIES REQUIRED TO ACCOMMODATE VEHICLE WASHING OPERATIONS. DIVERT ALL WASH WATER AWAY FROM ENTRANCE TO THE SETTLING AREA.
 6. MAINTAIN ENTRANCE IS A CONDITION THAT WILL PREVENT WASHING OF SEDIMENT ONTO PAVED SURFACES.

1 CONSTRUCTION ENTRNACE

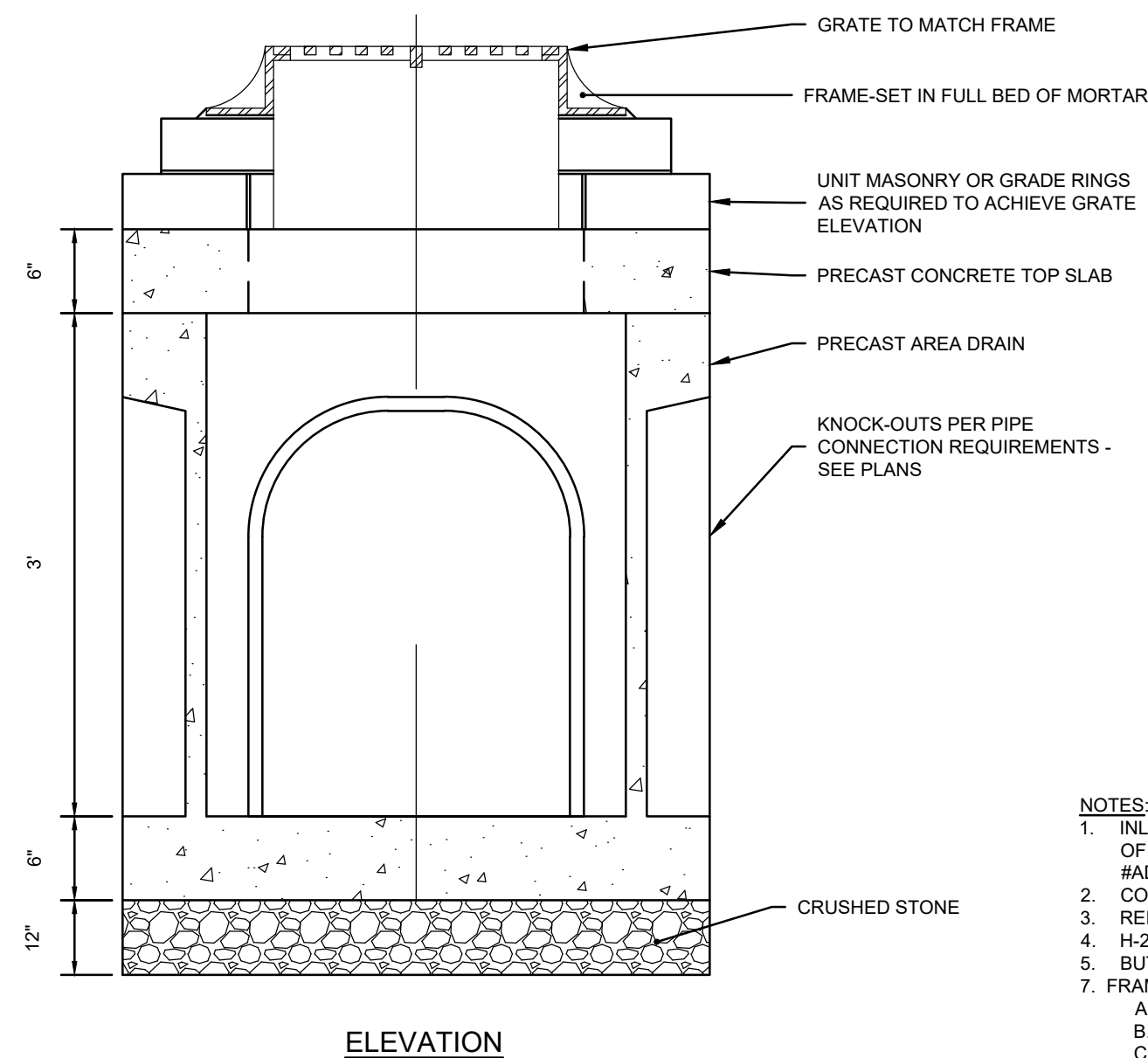
SCALE: NONE



- NOTES:
1. CONSTRUCT WASHOUT AREA LARGE ENOUGH TO ENSURE MATERIALS WILL BE CONTAINED WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY EVAPORATE.
 2. WASHOUT AREA SHALL BE LARGE ENOUGH TO RETAIN ALL LIQUID AND WASTE CONCRETE MATERIALS FROM WASHOUT OPERATION.
 3. WEEKLY INSPECTIONS OF WASHOUT AREAS SHALL BE CONDUCTED TO ASSESS THE HOLDING CAPACITY AND FUNCTIONALITY OF THE WASHOUT AREA.

5 TEMPORARY CONCRETE WASHOUT AREA

SCALE: NONE



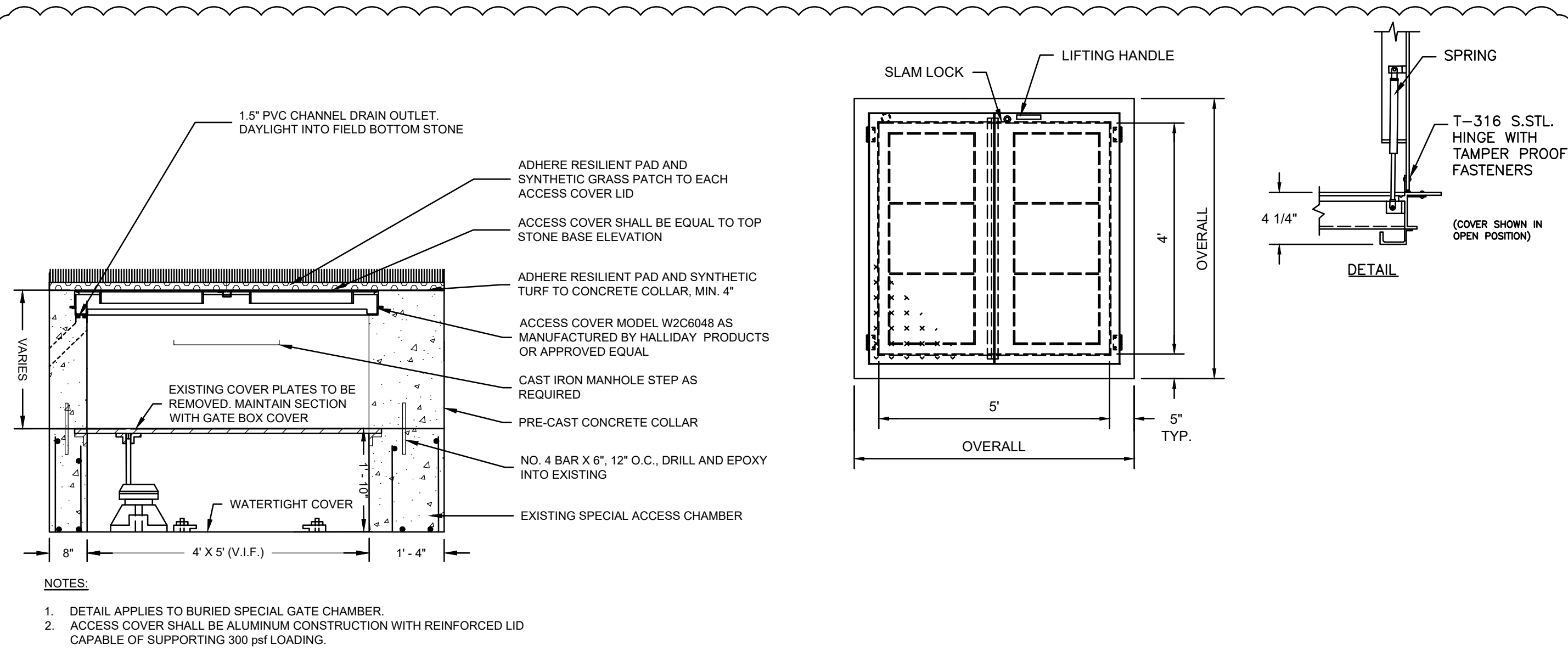
7 CONCRETE AREA DRAIN

SCALE: NONE

- NOTES:
1. FOR SLOPE & SWALE INSTALLATIONS, EXTEND FENCE OP SLOPE SUCH THAT BOTTOM ENDS OF FENCE WILL BE HIGHER THAN THE TOP OF THE LOWEST PORTION OF FENCE.
 2. FOR FENCE INSTALLED ON LEVEL TERRAIN INSTALL WING SECTIONS PERPENDICULAR TO MAIN BARRIER AT 50'-100' INTERVALS.

2 SILT FENCE BARRIER

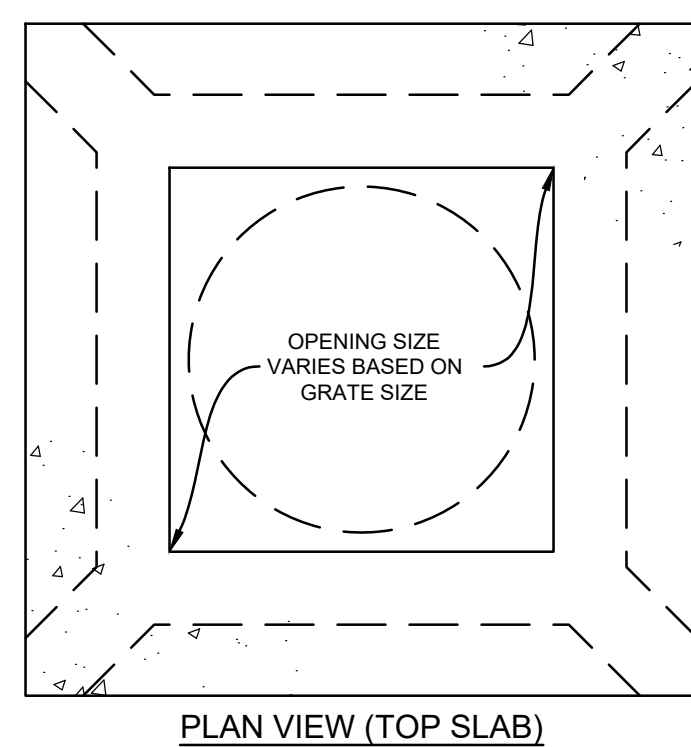
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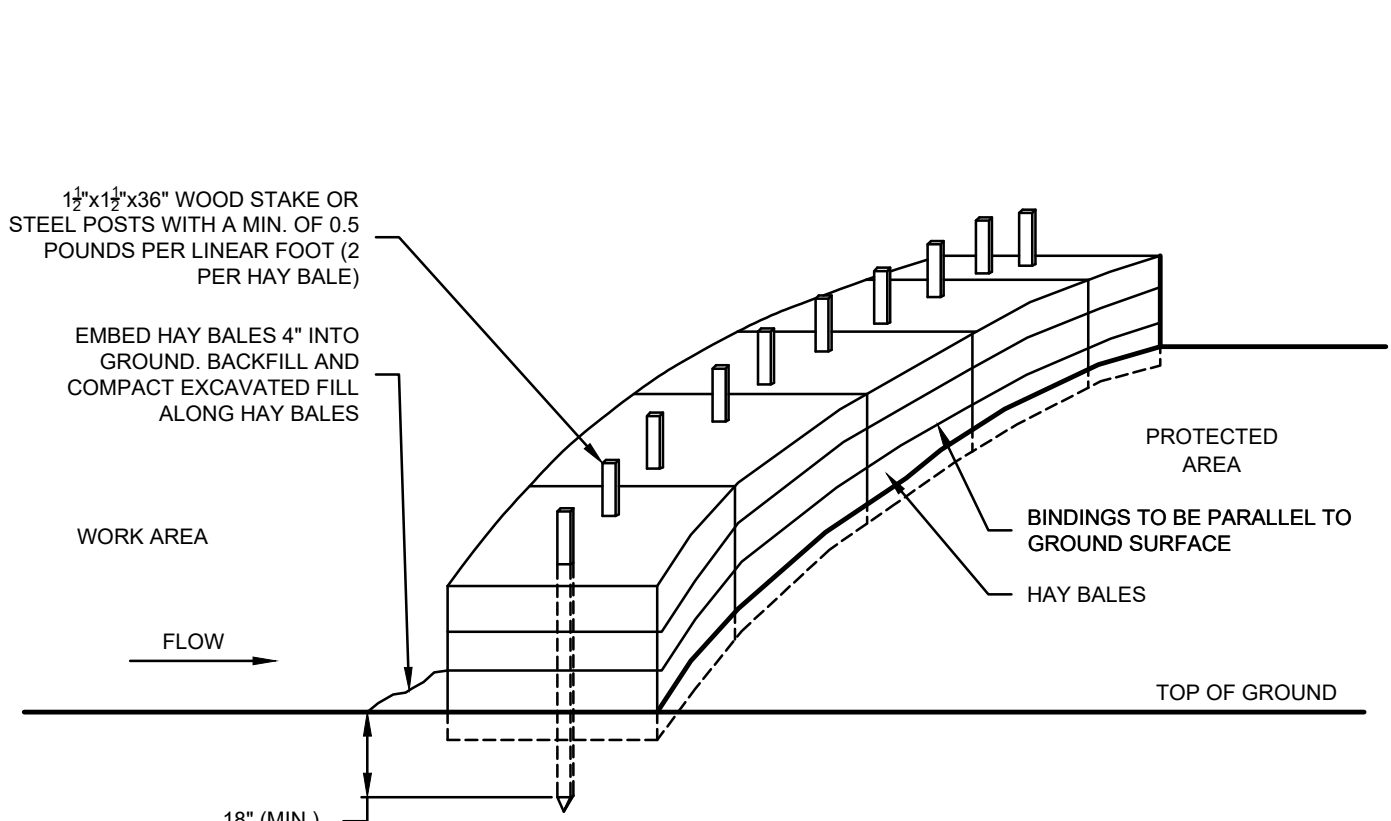
- NOTES:
1. DETAIL APPLIES TO BURIED SPECIAL GATE CHAMBER.
 2. ACCESS COVER SHALL BE ALUMINUM CONSTRUCTION WITH REINFORCED LID CAPABLE OF SUPPORTING 300 psf LOADING.

6 UTILITY ACCESS IN SYNTHETIC GRASS

SCALE: NONE



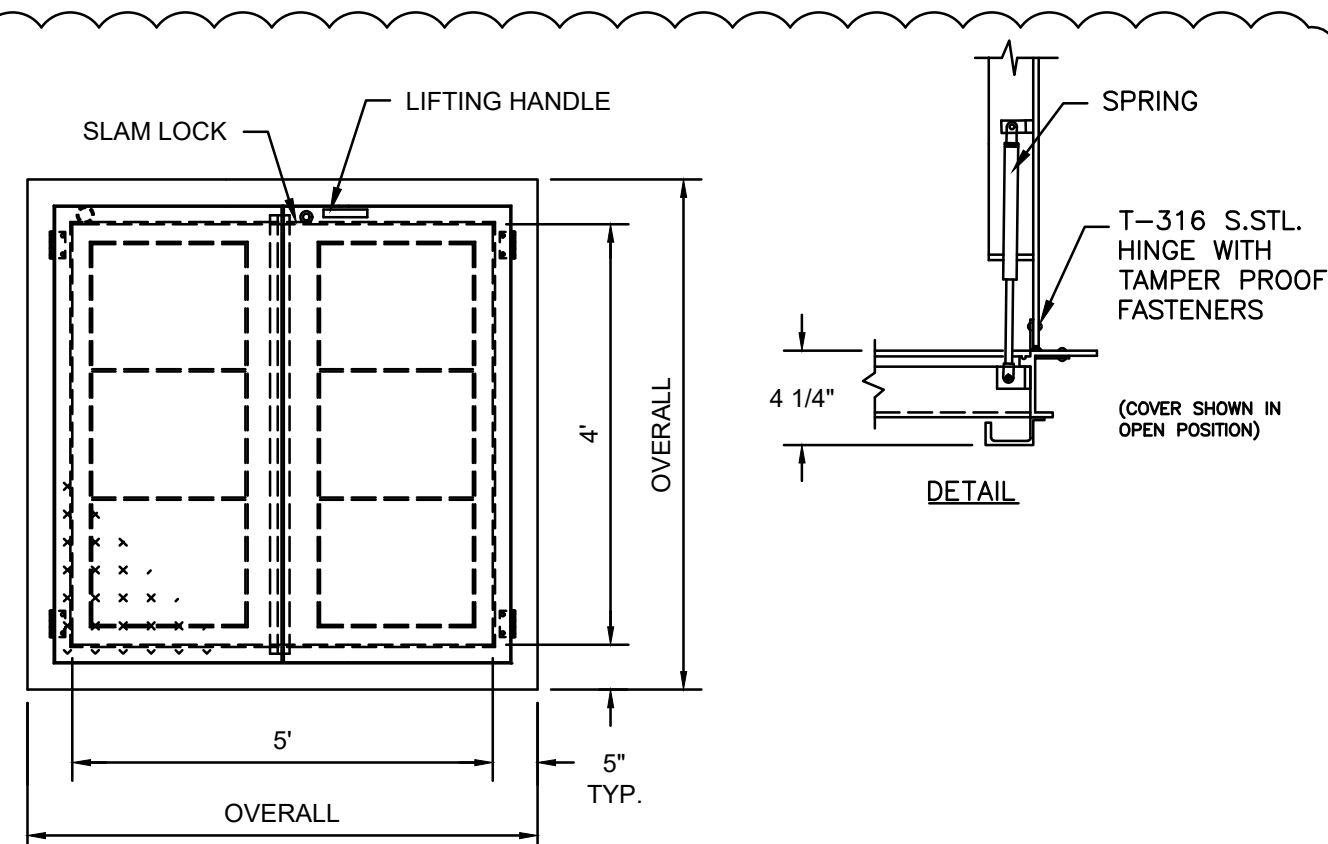
- NOTES:
1. INLET SHALL BE 30"x30" CONCRETE AREA DRAIN. AS MANUFACTURED BY ARROW CONCRETE, OR ENGINEER APPROVED EQUAL (HEIGHT OF DRAIN BOX SHALL BE 3" (MODEL #ADBKO3) UNLESS DEPTH OF INVERT PIPE OUT REQUIRES THE USE OF 4" DRAIN BOX (MODEL #ADBKO4)).
 2. CONCRETE STRENGTH SHALL BE 4,000 PSI AT 28 DAYS.
 3. REINFORCING STEEL - ASTM 615 AND A62 OR A195 SPECIFICATIONS.
 4. H-20 DESIGN LOADING PER AASHTO HS-20-44.
 5. BUTYL RUBBER JOINT SEALANT - ASTM C990-01.
 7. FRAME AND GRATE PAIR SHALL BE ONE OF THE FOLLOWING:
A. STANDARD GRATE SHALL BE NEENAH INLET FRAME/GRATE R-2570 OR ENGINEER APPROVED EQUAL.
B. ADA STANDARD GRATE SHALL BE NEENAH INLET FRAME/GRATE R-2569 OR ENGINEER APPROVED EQUAL.
C. STANDARD BEEHIVE GRATE SHALL BE NEENAH INLET FRAME/BEEHIVE GRATE R-2564 OR ENGINEER APPROVED EQUAL.
- SEE DRAWINGS FOR SPECIFIC LOCATIONS OF TYPE SELECTED.



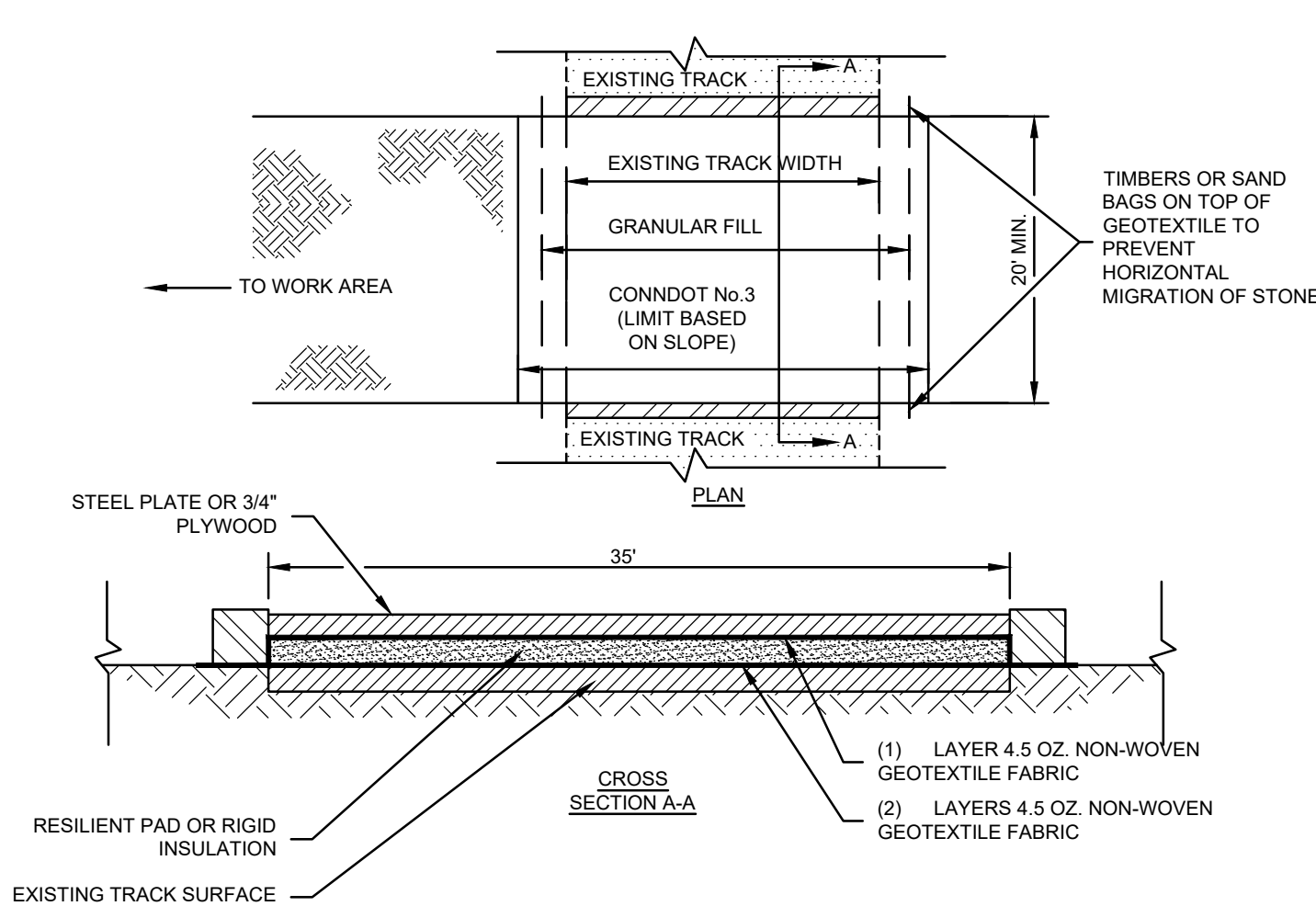
- GENERAL NOTES
1. HAY BALES SHALL BE MADE OF HAY OR STRAW WITH 40 POUND MIN. WEIGHT AND 120 POUND MAX. WEIGHT HELD TOGETHER BY TWINE OR WIRE.
 2. PLACE HAY BALES ON CONTOUR AND WING THE LAST HAY BALES UP SLOPE SO THAT THE TOP OF THE LAST SEVERAL HAY BALES ARE HIGHER THAN THE LINE OF HAY BALES.
 3. DRIVE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE TO FORCE THEM TOGETHER.
 4. PUT ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER EACH 100 FEET.

3 HAY BALE BARRIER

SCALE: NONE



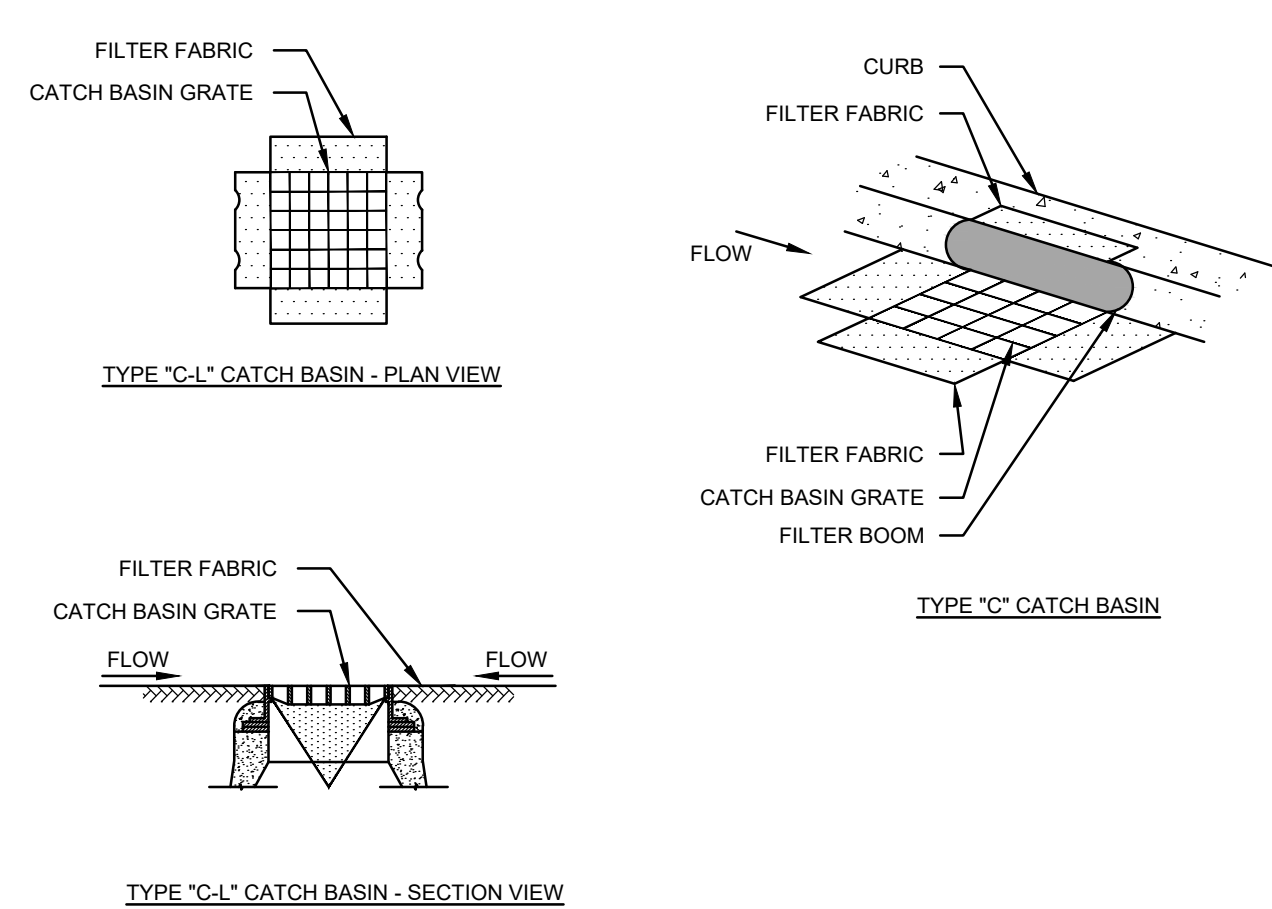
1



- NOTES:
1. TRACK CROSSING SHOWN IS FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR TAKING ALL MEASURES NECESSARY TO PREVENT ANY DAMAGE TO THE TRACK SURFACE. CONTRACTOR IS RESPONSIBLE FOR FULL REPAIR OF ANY DAMAGE CAUSED BY HIS ACTIVITIES.
 2. DO NOT USE VIBRATORY COMPACTION EQUIPMENT ON TRACK CROSSING.
 3. RAMP/SLOPE EDGE OF TRACK CROSSING AS REQUIRED FOR VEHICLE ACCESS.

10 TRACK PROTECTION

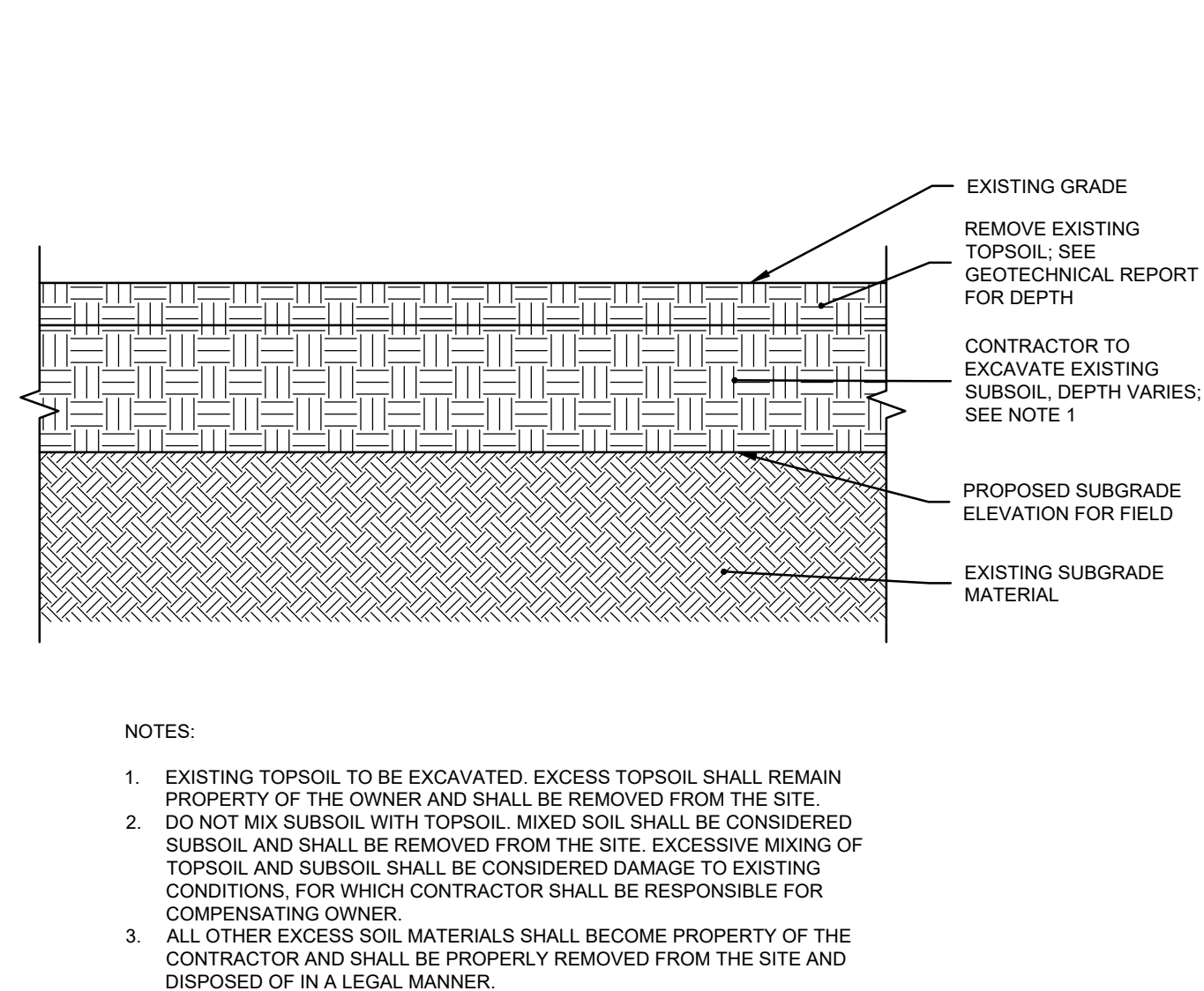
SCALE:



- GENERAL NOTES
1. PROVIDE INLET PROTECTION TO ALL EXISTING CATCH BASINS IN THE VICINITY OF CONSTRUCTION. PROTECT NEW CATCH BASINS AS THEY ARE CONSTRUCTED.
 2. GRATE TO BE PLACED OVER FILTER FABRIC.

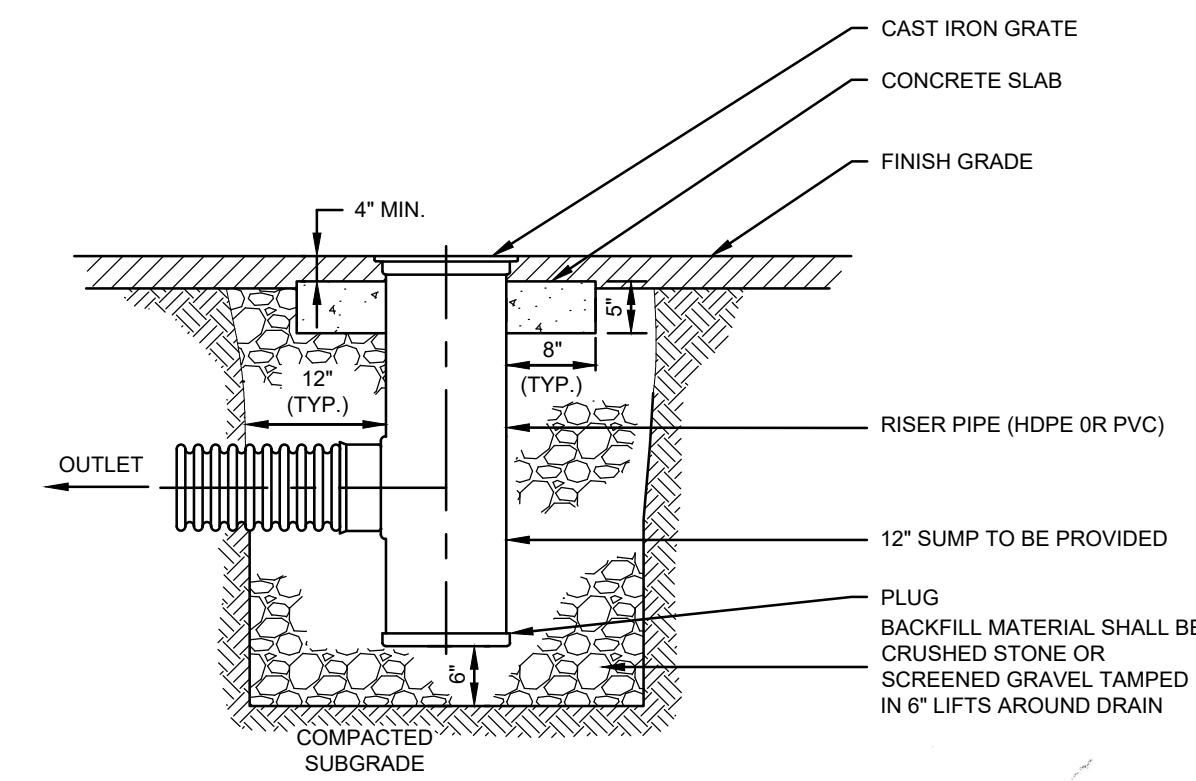
4 CATCH BASIN FILTER INSERT

SCALE: NONE



9 TYPICAL FIELD EXCAVATION

SCALE: NONE



8 AREA DRAIN (HDPE OR PVC)

SCALE: NONE



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SUITE 202
NEW BRITAIN, CT 06051
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**SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING**

Prepared For:
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300 Winding Brook Drive
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**SITE ATHLETIC FACILITY IMPROVEMENTS:
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DETAILS

Rev: 1. MARCH 26, 2020

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AS NOTED

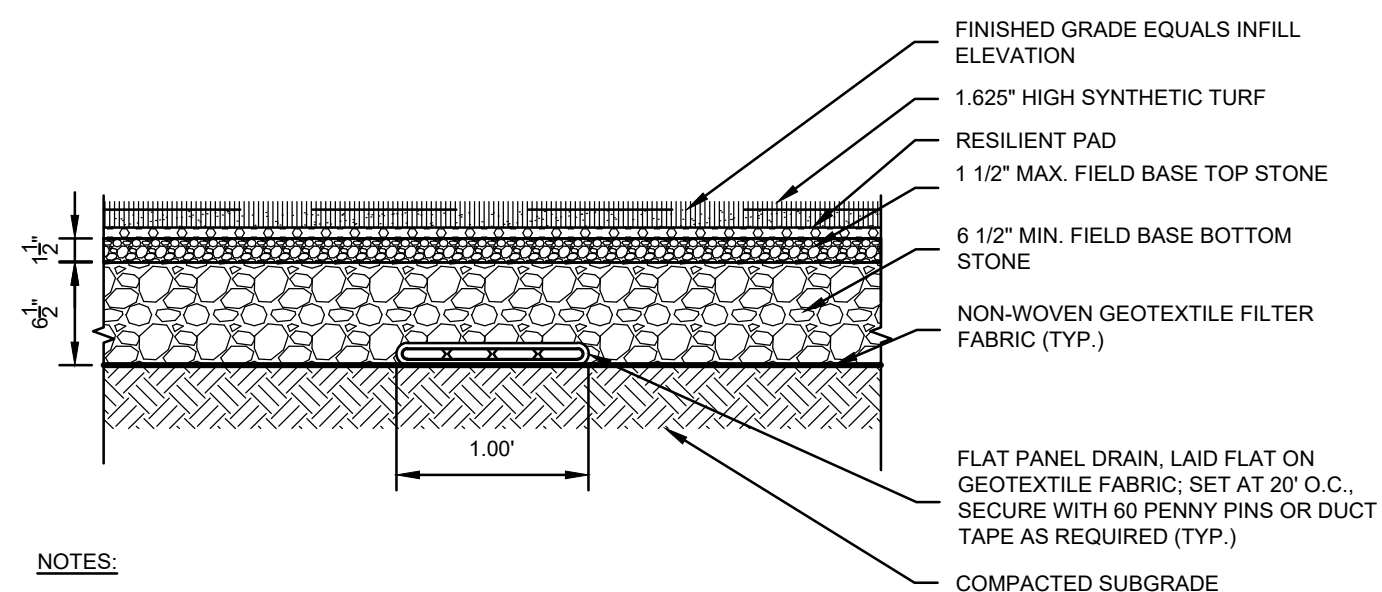
Drawn by:
JH/FV

Project number:
6313

Sheet #:

L-6.0

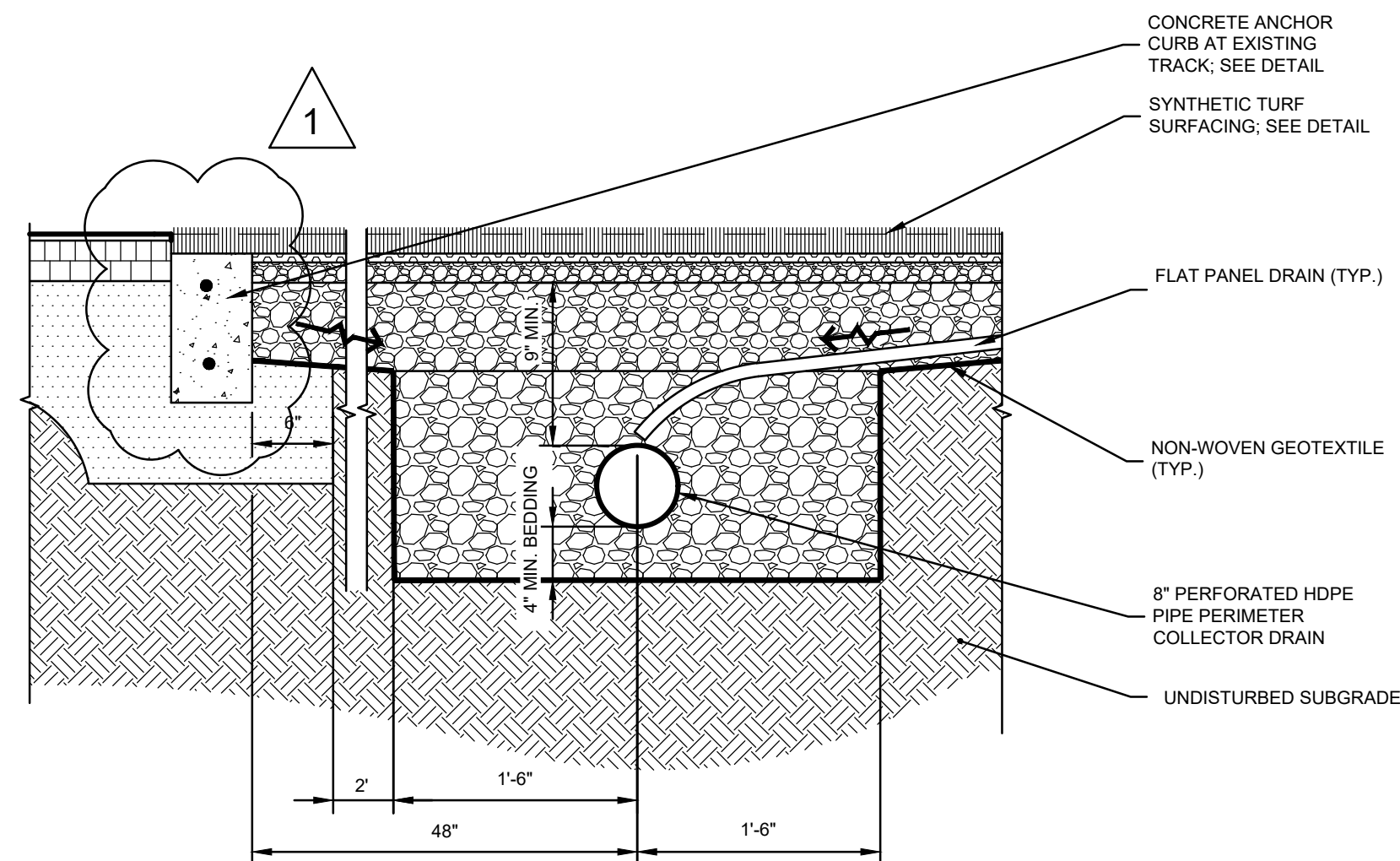
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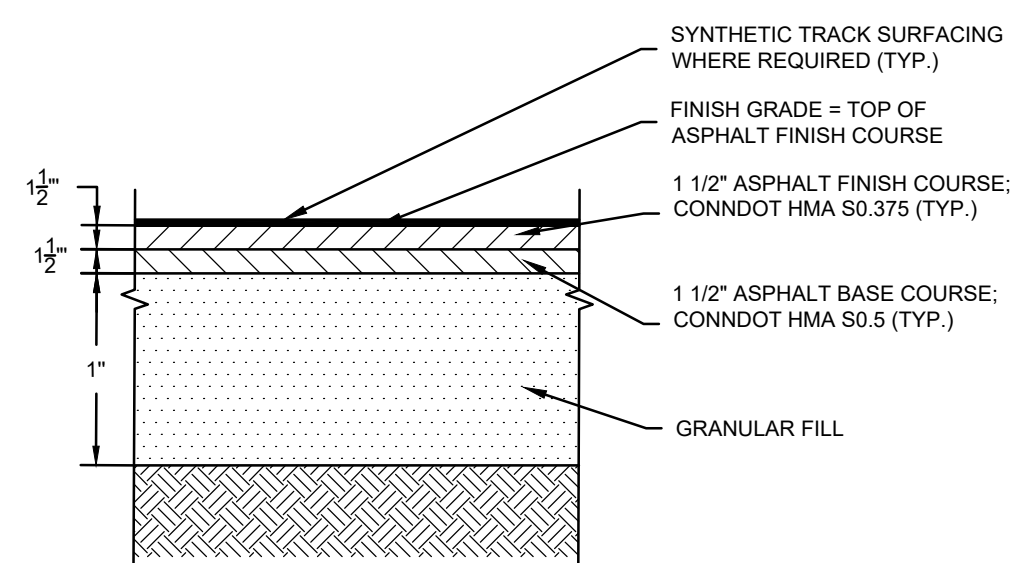
NOTES:

1. CONTRACTOR SHALL PROVIDE A MINIMUM LAYER OF FIELD BASE TOP STONE AND PROVIDE A LAYER OF FIELD BASE BOTTOM STONE TO HAVE A FINISHED PROFILE OF EIGHT INCHES TOTAL.
2. ARTIFICIAL TURF AND INFILL MATERIALS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE ENVIRONMENTAL LAWS AND REGULATIONS.
3. INFILL SHALL BE COMPOSED OF COMPLETELY ORGANIC MATERIALS.

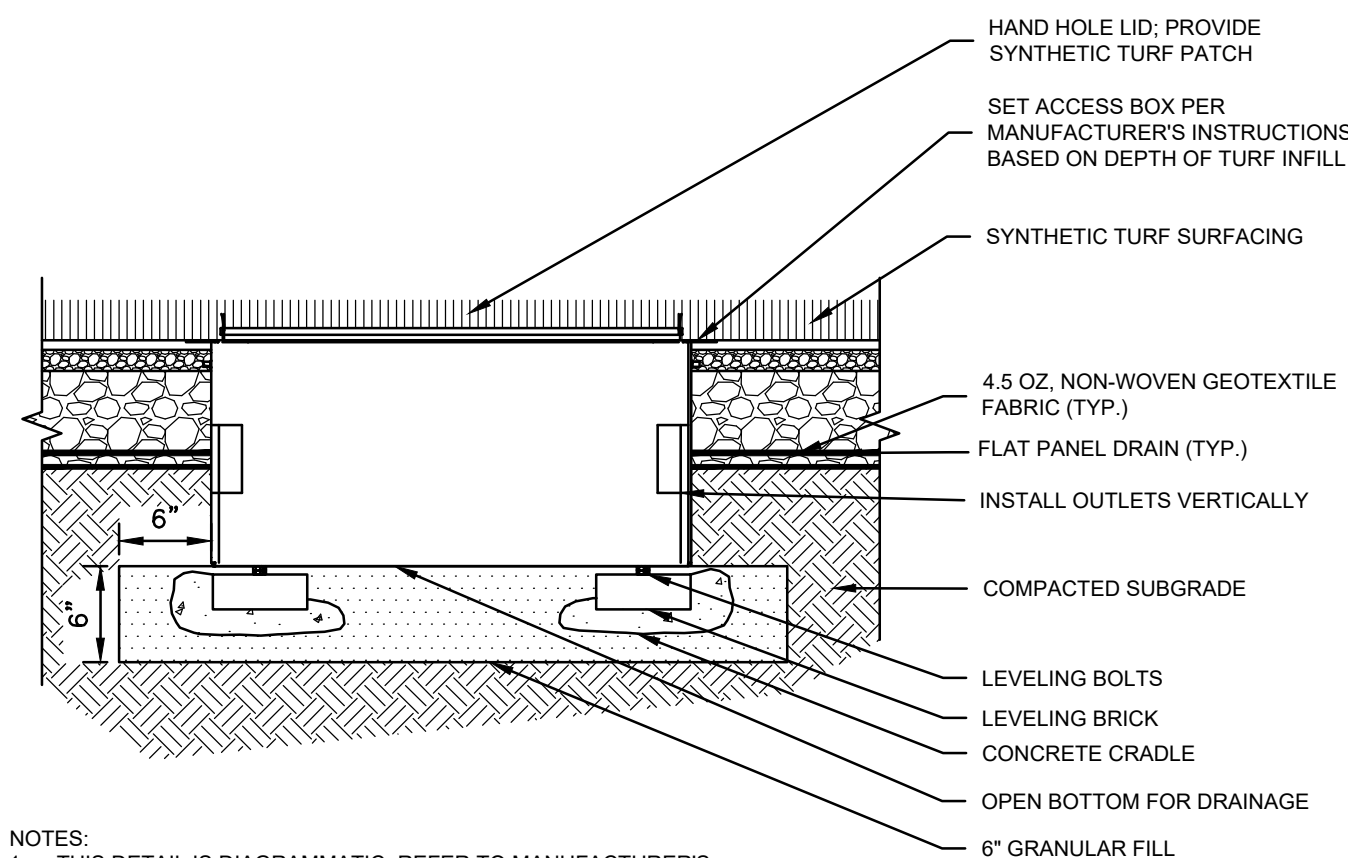
1 SYNTHETIC TURF - BASE BID
SCALE: NONE



2 PERIMETER COLLECTOR DRAIN
SCALE: NONE



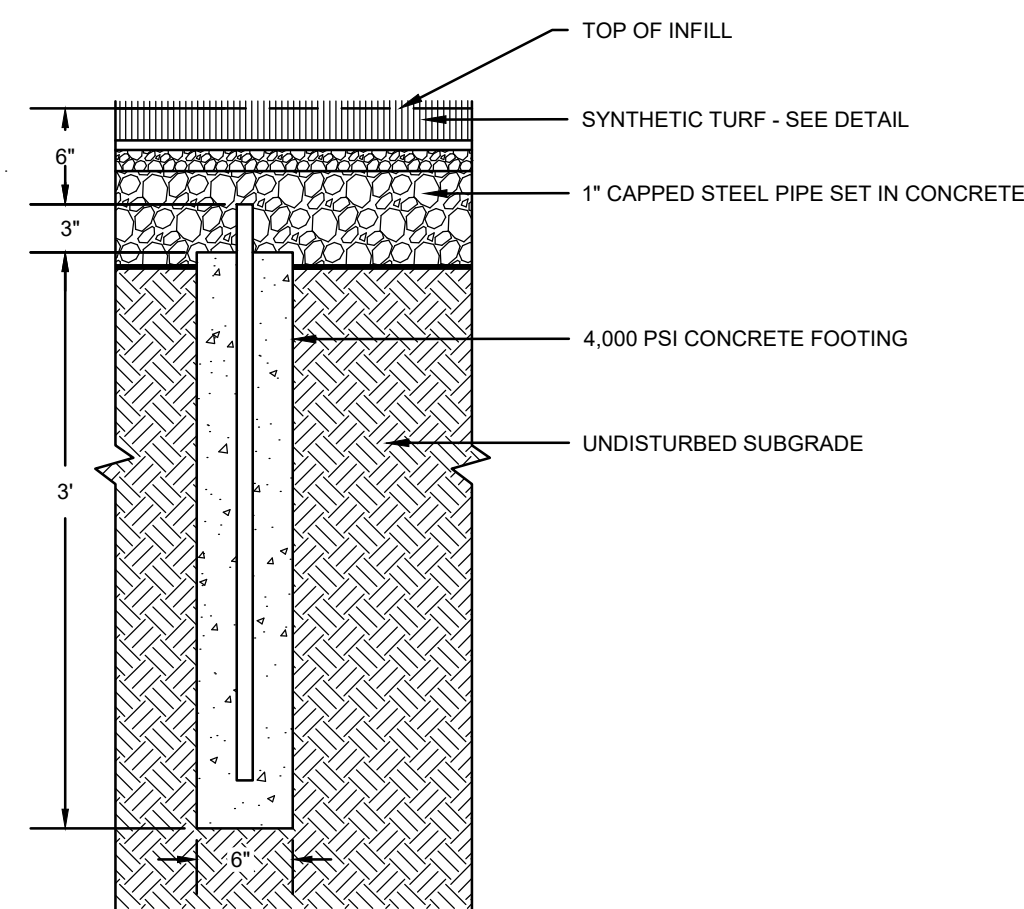
5 PAVEMENT PATCH SECTION - BASE BID
SCALE: NONE



NOTES:

1. THIS DETAIL IS DIAGRAMMATIC. REFER TO MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
2. HANDHOLE FOR ELECTRICAL SERVICE: 3500.5 COMBOX AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, INC. 41155 STATE HIGHWAY 10, PO BOX 231, DELHI, NY OR APPROVED EQUAL. ELECTRICAL OUTLET SHALL BE MOUNTED VERTICALLY.
3. HANDHOLE FOR COMBINED SCOREBOARD CONTROL AND ELECTRICAL SERVICE: 3500 COMBOX + AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, INC. 41155 STATE HIGHWAY 10, PO BOX 231, DELHI, NY OR APPROVED EQUAL.
4. HANDHOLE FOR WATER SERVICE: TURFOOL QUICK CONNECT VALVE/GATE BOX, TC-3700-QVC PLUS AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, INC. 41155 STATE HIGHWAY 10, PO BOX 231, DELHI, NY OR APPROVED EQUAL. HOSE CONNECTION TYPE TO BE DETERMINED BY OWNER.

6 HANDHOLE IN SYNTHETIC TURF
SCALE: NONE



NOTE:

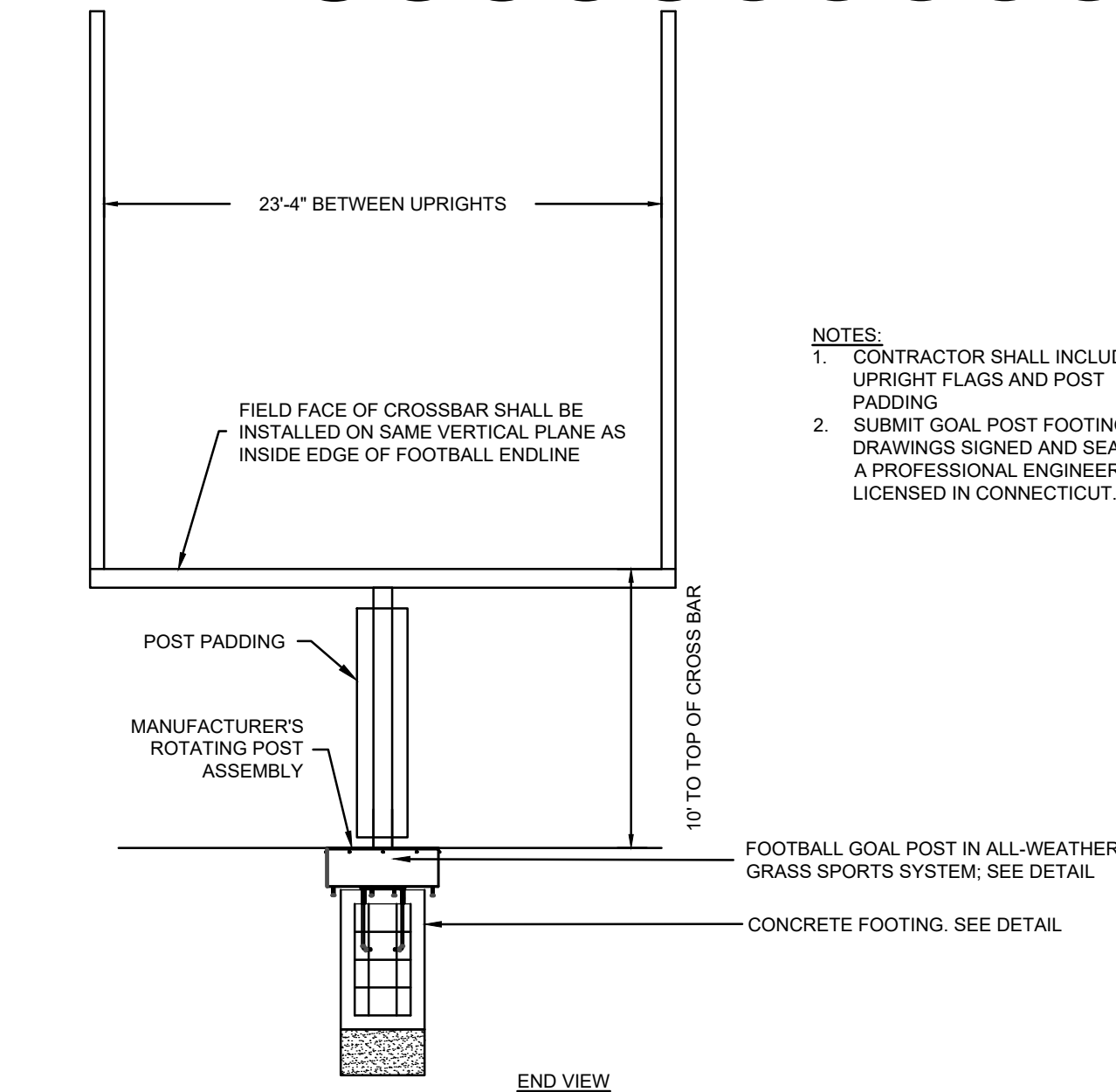
1. CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS.
2. CONTRACTOR TO REFER TO LAYOUT AND MATERIALS PLANS FOR LOCATIONS OF BURIED FIELD MARKERS.

9 BURIED FIELD MARKER
SCALE: NONE

NOTES:

1. CONTRACTOR SHALL PREPARE SOILS IN ALL DISTURBED AREAS AND AREAS USED FOR EQUIPMENT ACCESS.

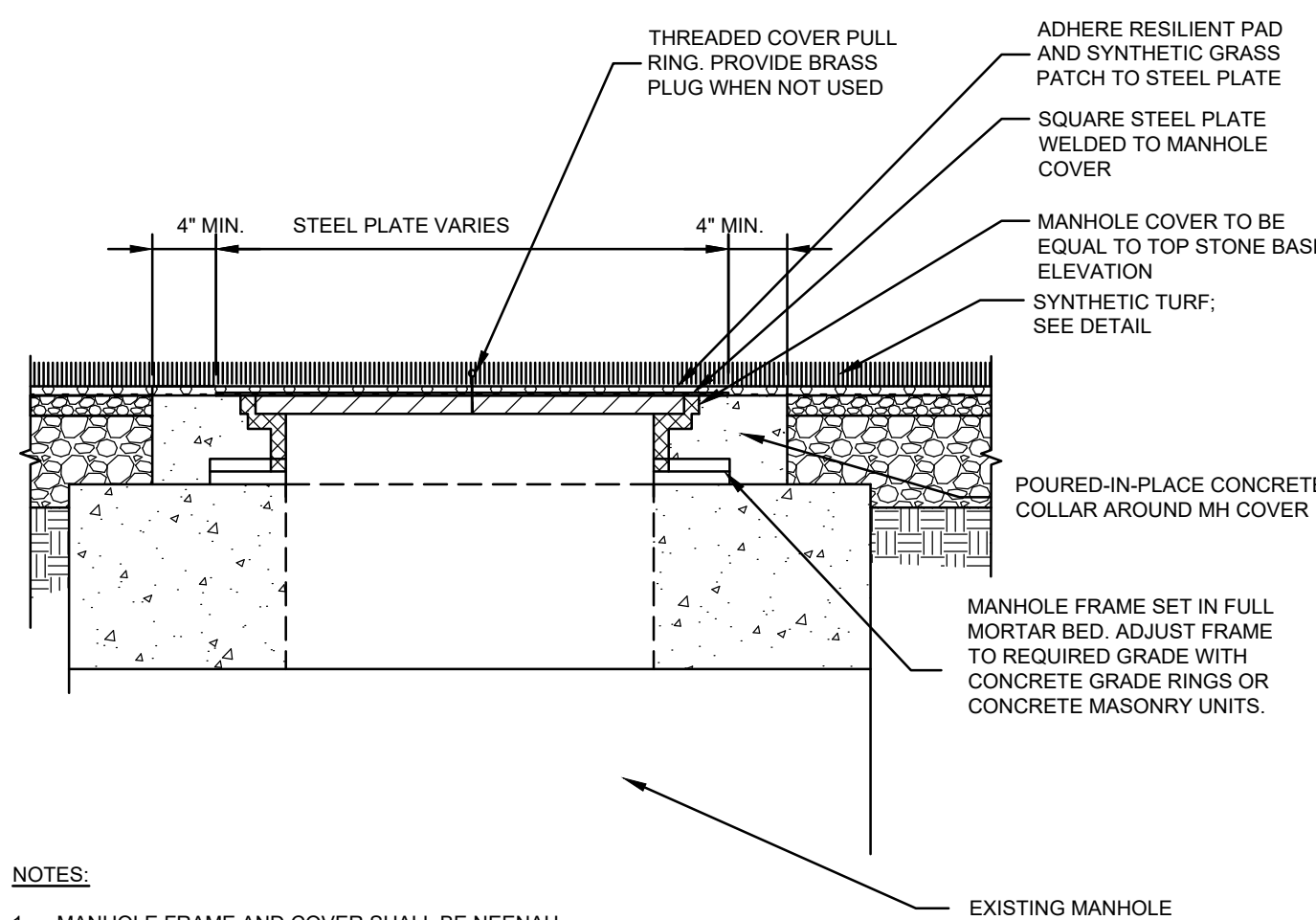
10 LAWN
SCALE: NONE



NOTES:

1. CONTRACTOR SHALL INCLUDE UPRIGHT FLAGS AND POST PADDING.
2. SUBMIT GOAL POST FOOTING SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN CONNECTICUT.

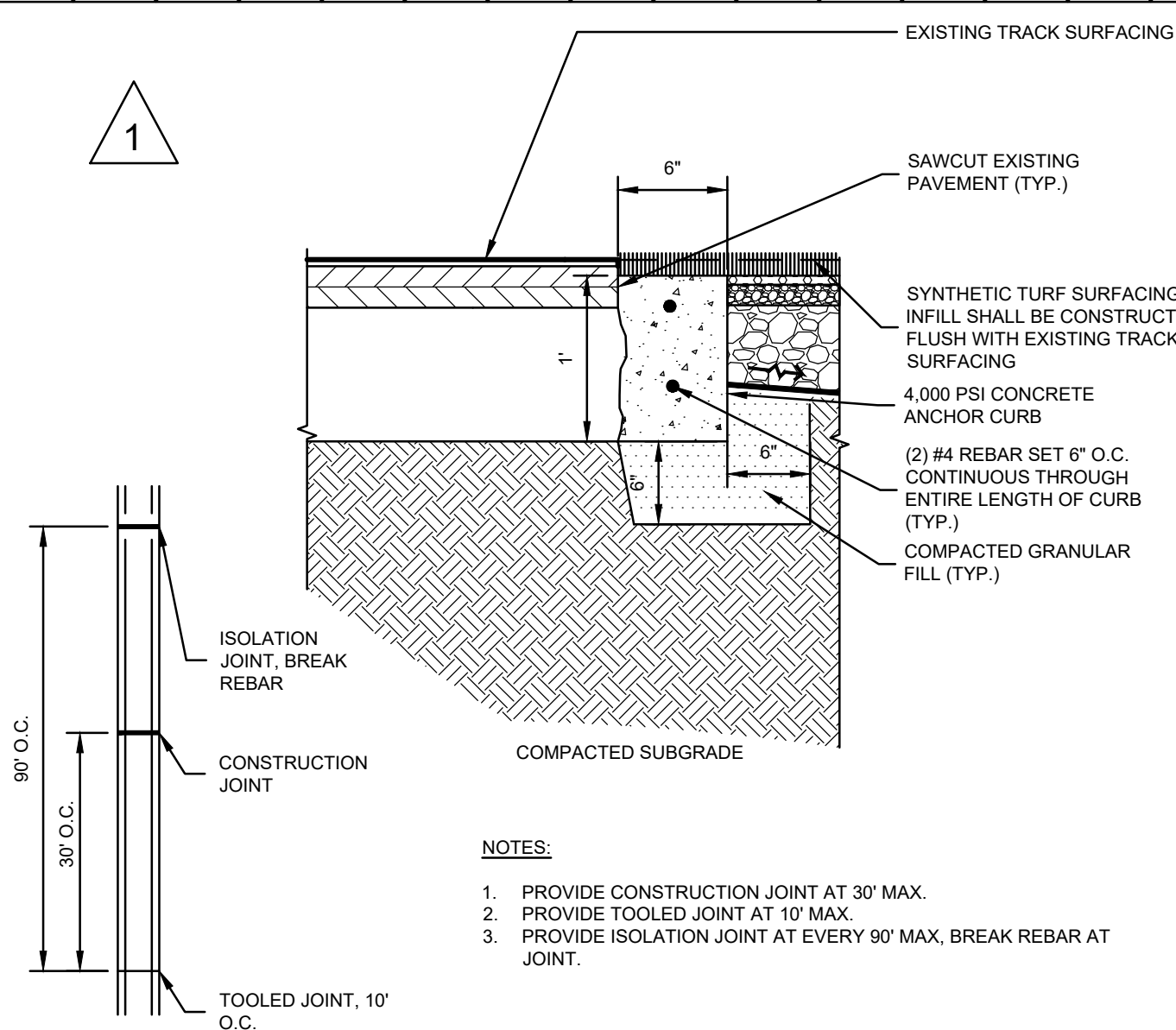
7 FOOTBALL GOAL POST
SCALE: NONE



NOTES:

1. MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY TYPE 'C' DIAMOND LID DESIGN R-1500 FRAME AND RIM OR ENGINEER APPROVED EQUAL. SIZE TO FIT EXISTING STRUCTURES.
2. INCLUDE RISER STEPS WERE REQUIRED.

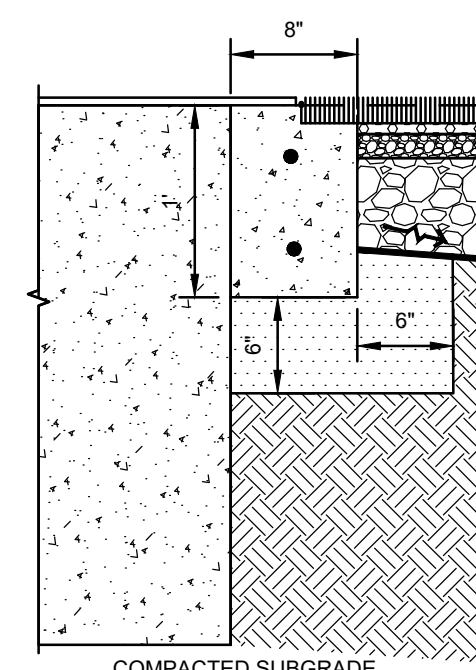
11 MANHOLE IN SYNTHETIC GRASS
SCALE: NONE



NOTES:

1. PROVIDE CONSTRUCTION JOINT AT 30' MAX.
2. PROVIDE TOOLED JOINT AT 10' MAX.
3. PROVIDE ISOLATION JOINT AT EVERY 90' MAX. BREAK REBAR AT JOINT.

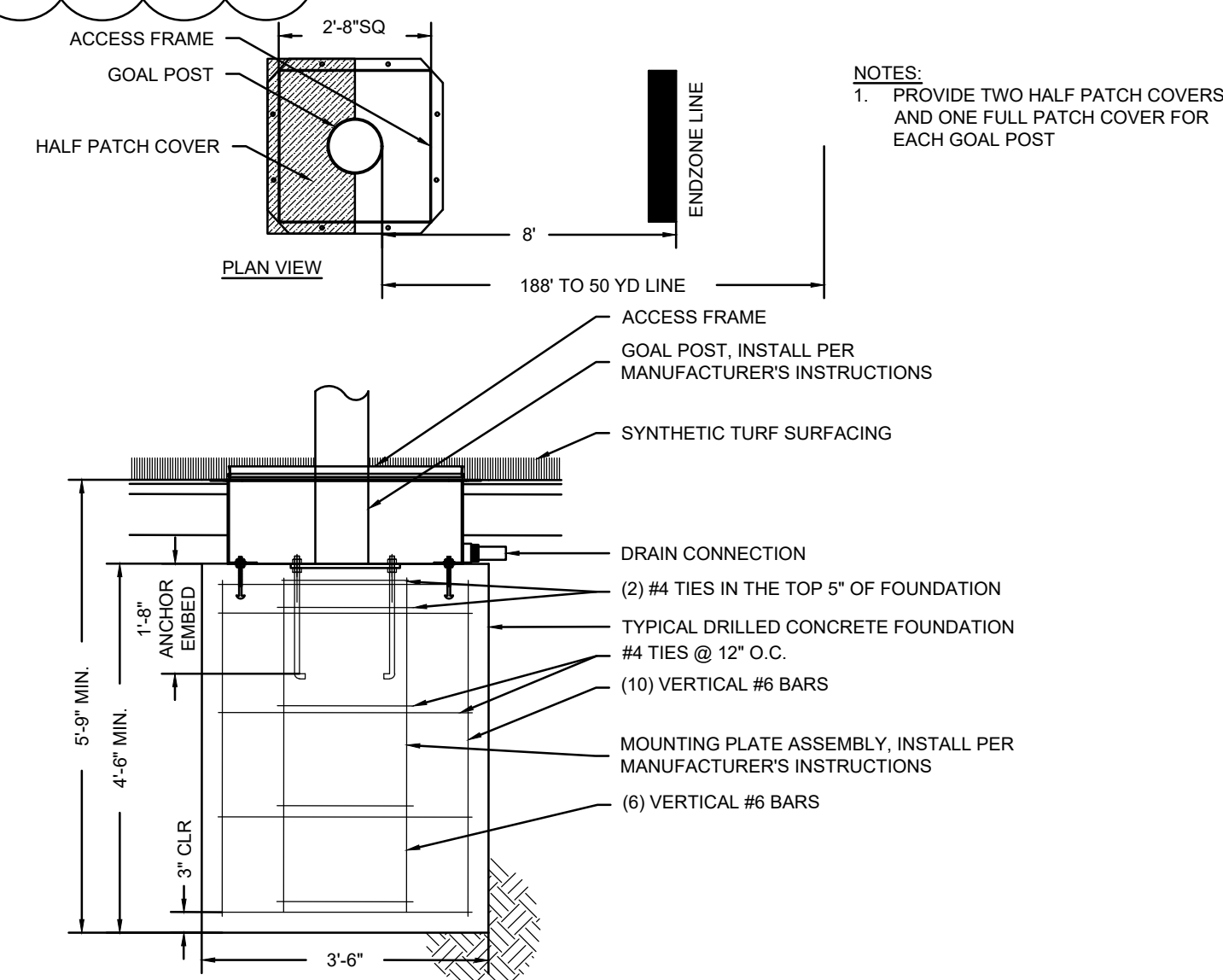
3 CONCRETE ANCHOR CURB AT EXISTING TRACK - BASE BID
SCALE: NONE



NOTE:

1. CONTRACTOR SHALL VERIFY IN FIELD ELEVATIONS OF EXISTING STRUCTURE AND PROPOSED SURFACE ELEVATIONS. NOTIFY ENGINEER OF ANY DISCREPANCY.

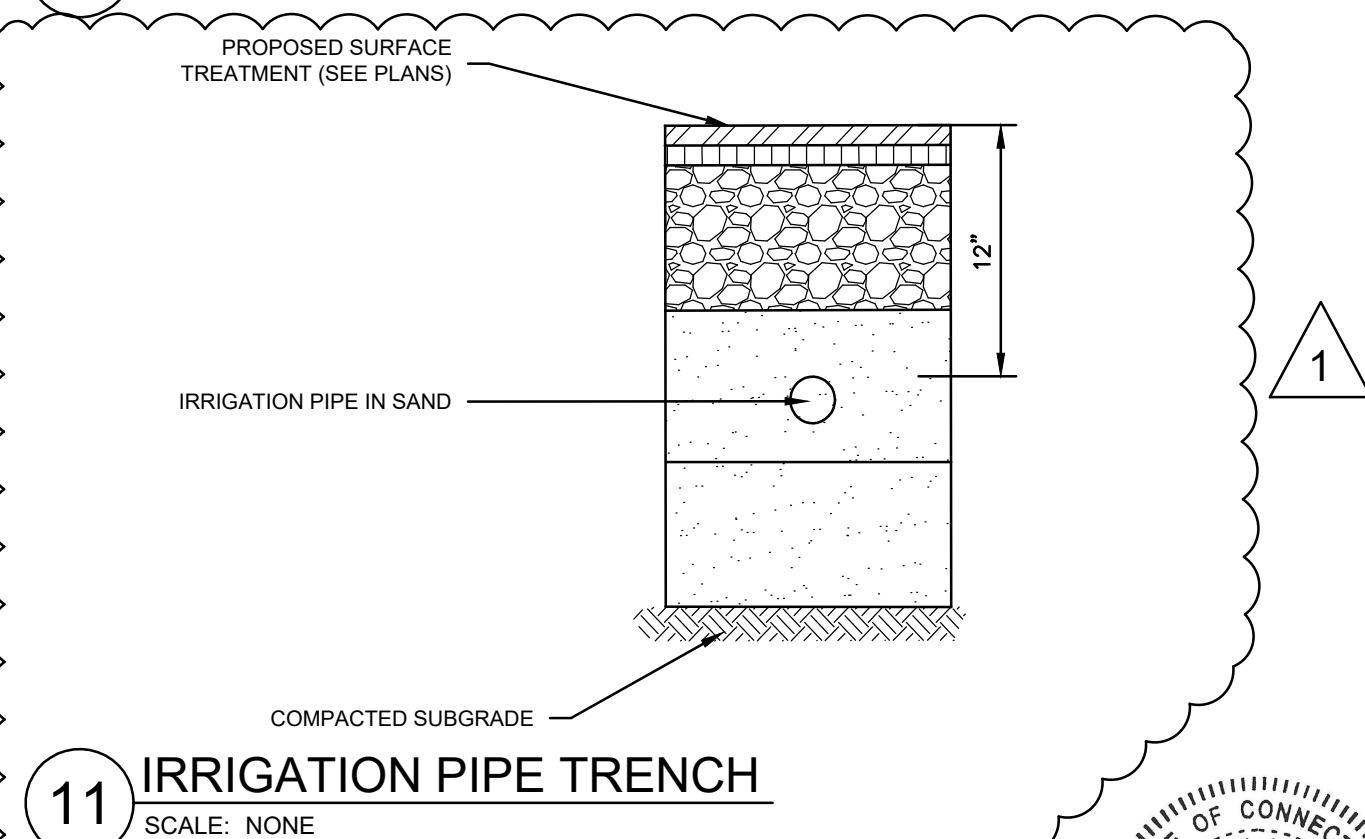
4 CONCRETE ANCHOR CURB AT EXISTING STRUCTURE
SCALE: NONE



NOTES:

1. PROVIDE TWO HALF PATCH COVERS AND ONE FULL PATCH COVER FOR EACH GOAL POST.

8 FOOTBALL GOAL POST IN SYNTHETIC TURF
SCALE: NONE



11 IRRIGATION PIPE TRENCH
SCALE: NONE



ISSUED FOR PERMITTING

to design

114 WEST MAIN STREET
SUITE 202
NEW BRITAIN, CT 06051
860-612-1700

todesignllc.com

SITE DESIGN
LANDSCAPE ARCHITECTURE
URBAN PLANNING

Prepared For:

CITY OF
HARTFORD

Consultant

BSC GROUP

300 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

SITE ATHLETIC FACILITY IMPROVEMENTS:
HARTFORD PUBLIC HIGH SCHOOL
HARTFORD, CT
55 FOREST STREET

Sheet Description:

DETAILS

Rev: 1. MARCH 26, 2020

Issue Date:

FEBRUARY 11, 2020

Scale:

AS NOTED

Drawn by:

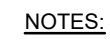
JH/IV

Project number:

6313

Sheet #:

L-6.1



- 1 SYNTHETIC TURF - ALTERNATE # 1
SCALE: NONE



- 2 MILLED TRACK PAVEMENT SECTION - ALTERNATE #3
SCALE: NONE



- 3 CONCRETE ANCHOR CURB AT MILLED TRACK -
ALTERNATE #3
SCALE: NONE



- ISSUED FOR PERMITTING