

# ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
AVON, CONNECTICUT

APRIL 8, 2019

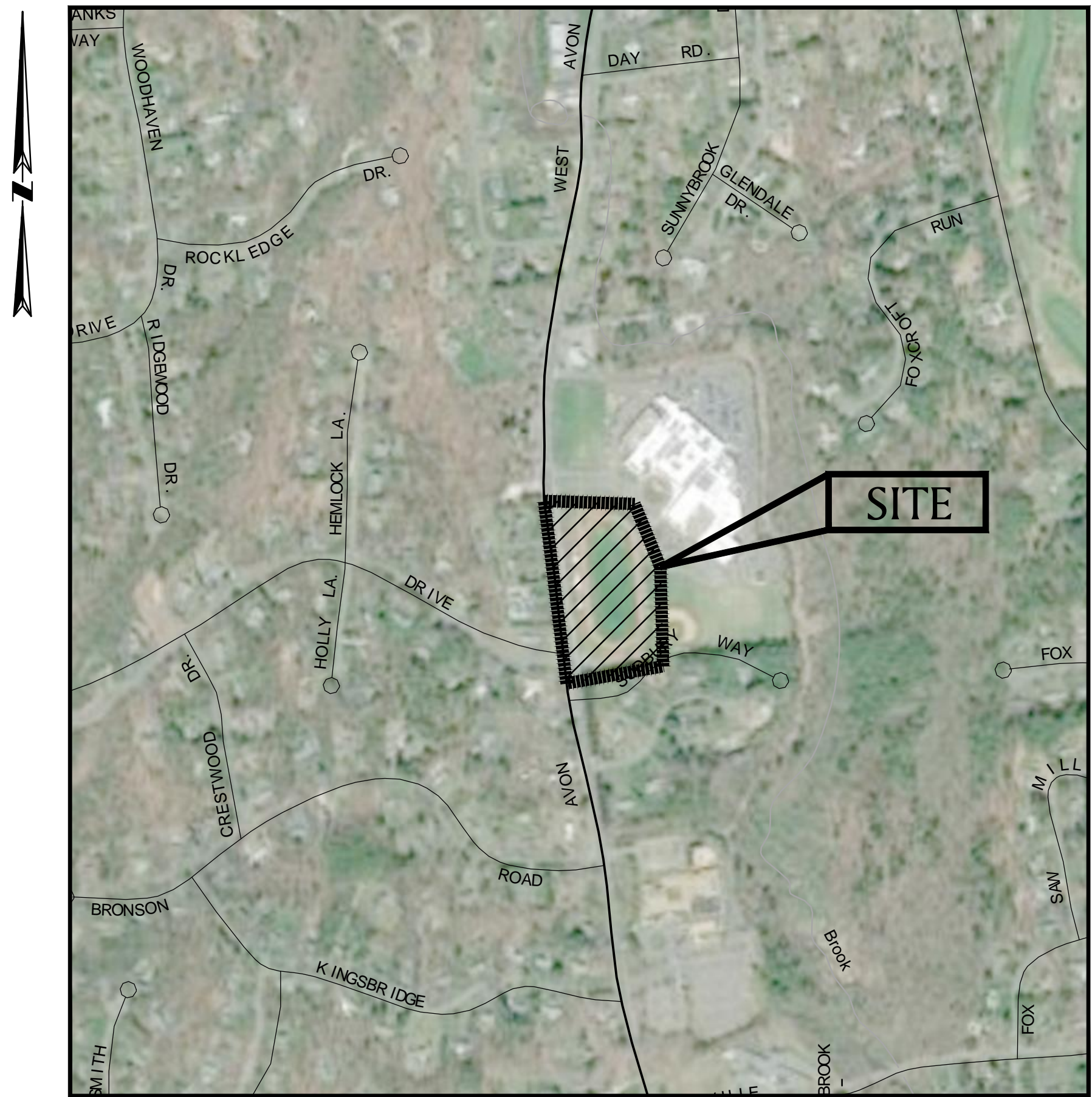
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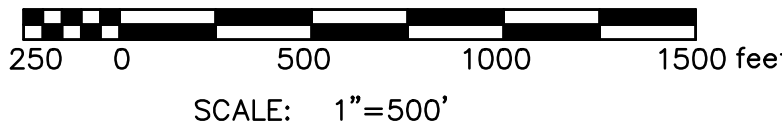


PREPARED FOR:

TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001



SITE MAP



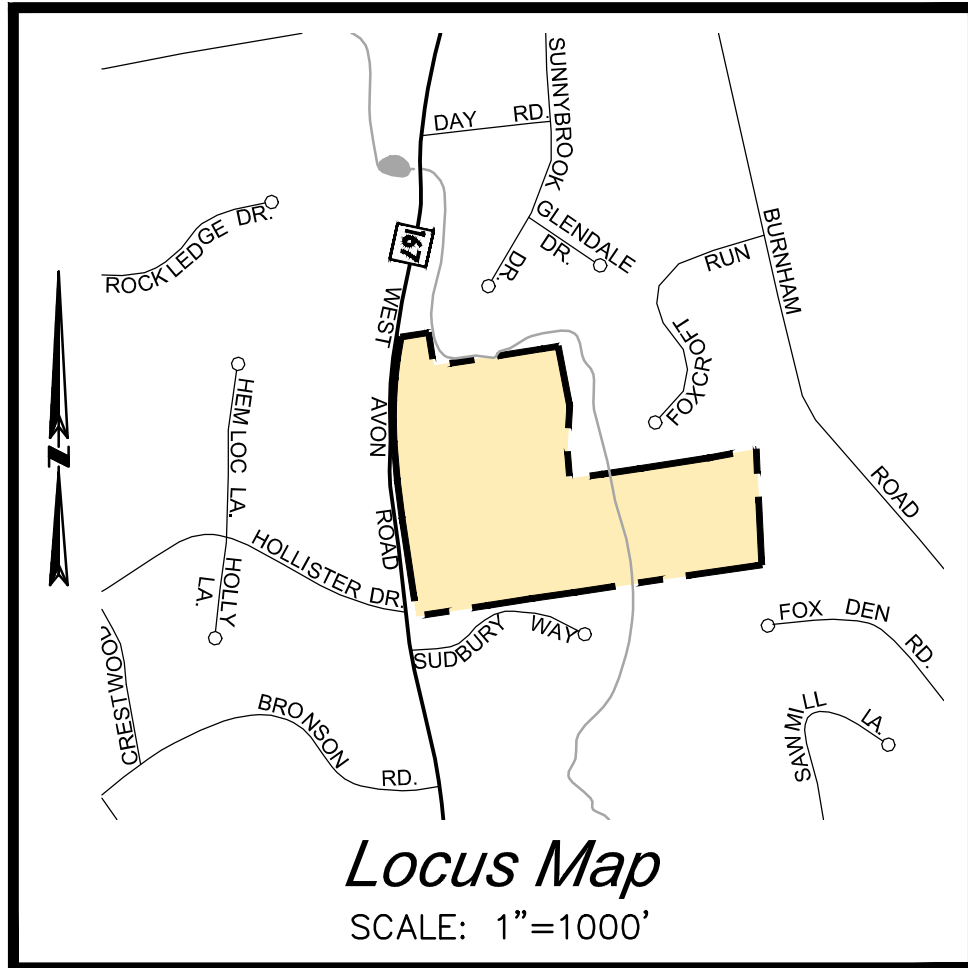
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PREPARED BY:

**BSC GROUP**  
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Glastonbury, Connecticut 06033  
860 652 8227



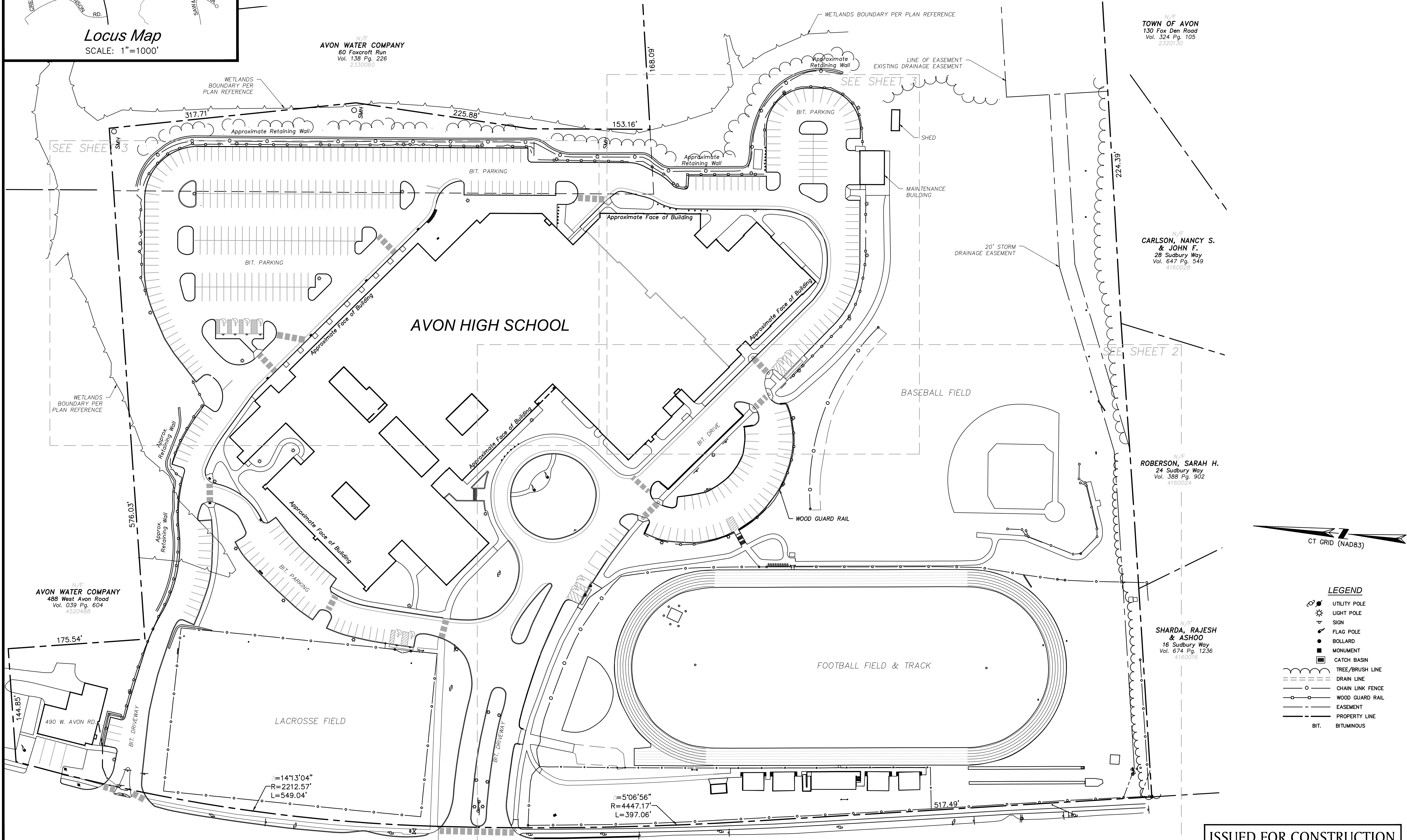


MAP REFERENCES:

- "OVERALL SITE PLAN, SHEET L.O.01, RENOVATIONS & ADDITIONS TO AVON HIGH SCHOOL, 510 WEST AVON ROAD, AVON, CONNECTICUT. SCALE: 1"=60'. NOVEMBER 29, 2005, REVISED: 5/17/2006" KAESTLE BOOS ASSOCIATES, INC. - ARCHITECTS
- "PROPERTY SURVEY EASTERLY OF AVON HIGH SCHOOL, LAND OWNED BY AVON WATER COMPANY TO BE CONVEYED TO THE TOWN OF AVON WEST AVON ROAD (REAR) AVON, CONNECTICUT. SCALE: 1"=60'. SEPT. 2005." NASCIBENI AND JAHNE - SURVEYORS, P.C.
- "IMPROVEMENT LOCATION MAP, SHEET 1 OF 2, AVON HIGH SCHOOL, #510 WEST AVON ROAD, AVON, CONNECTICUT. SCALE: 1"=40'. DATE: 7-15-2008." DUFOR SURVEYING ASSOCIATES
- "IMPROVEMENT LOCATION MAP, SHEET 2 OF 2, AVON HIGH SCHOOL, #510 WEST AVON ROAD, AVON, CONNECTICUT. SCALE: 1"=40'. DATE: 7-15-2008." DUFOR SURVEYING ASSOCIATES
- "BOUNDARY AND TOPOGRAPHIC SURVEY, SHEET 1 OF 2, AVON HIGH SCHOOL, WEST AVON ROAD, AVON, CONNECTICUT, DATE JAN., 1995, SCALE 1"=50' " A-N CONSULTING ENGINEERS, INC.

SURVEYOR'S 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: GENERAL LOCATION SURVEY
  - CLASS OF TOPOGRAPHIC ACCURACY: T-2/D
  - VERTICAL ACCURACY CONFORMS WITH CLASS V-2 STANDARDS
  - NO BOUNDARY DETERMINATION IS HEREBY MADE. THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES, INCLUDING SURVEY DATA OBTAINED FROM THE TOWN OF AVON. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE
  - THIS SURVEY WAS PRODUCED BASED ON LIMITED FIELD WORK AND PRIOR SURVEY BY OTHERS. NO GUARANTEE THAT ALL SITE FEATURES HAVE BEEN DEPICTED.
- A LIMITED FIELD VERIFICATION SURVEY WAS CONDUCTED BY BSC GROUP IN SEPTEMBER OF 2018 TO ESTABLISH PROJECT CONTROL, BENCHMARKS AND VERIFICATION OF PAVEMENT ELEVATIONS
- THE REFERENCE MERIDIAN (NORTH ARROW) SHOWN IS BASED UPON NORTH AMERICAN DATUM OF 1983 (NAD83), HORIZONTAL DATUM IS DETERMINED FROM RTK/G.P.S. MEASUREMENTS. VERTICAL DATUM IS BASED ON CONTROL POINTS PROVIDED BY THE TOWN OF AVON APPROXIMATING THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88),
- EXISTING UTILITIES, WHERE SHOWN ON THIS PLAN SET, PAGES EX-1.0 TO EX-1.2, 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, P.L.S. No. 17247

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

EXISTING CONDITIONS  
PLAN

APRIL 8, 2019

REVISIONS:


PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

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

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SCALE: 1" = 60'



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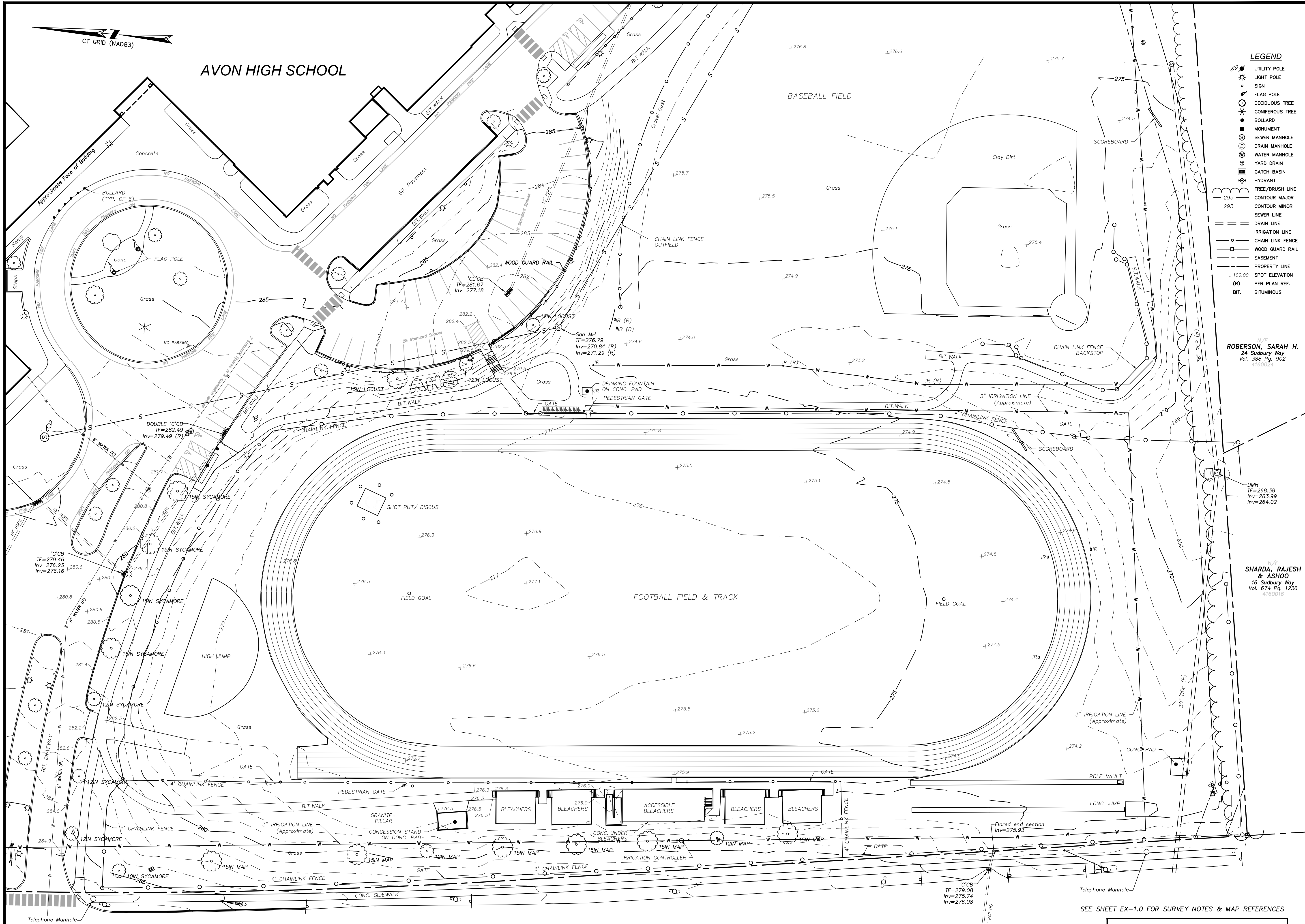
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EX-1.0

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ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL - APRIL 8, 2019





- LEGEND**
- UTILITY POLE
  - LIGHT POLE
  - SIGN
  - FLAG POLE
  - DECIDUOUS TREE
  - CONIFEROUS TREE
  - BOLLARD
  - MONUMENT
  - SEWER MANHOLE
  - DRAIN MANHOLE
  - WATER MANHOLE
  - YARD DRAIN
  - CATCH BASIN
  - HYDRANT
  - TREE/BRUSH LINE
  - CONTOUR MAJOR
  - CONTOUR MINOR
  - SEWER LINE
  - DRAIN LINE
  - IRRIGATION LINE
  - CHAIN LINK FENCE
  - WOOD GUARD RAIL
  - EASEMENT
  - PROPERTY LINE
  - SPOT ELEVATION
  - PER PLAN REF.
  - BIT.
  - BITUMINOUS

N/F  
**ROBERSON, SARAH H.**  
24 Sudbury Way  
Vol. 388 Pg. 902  
4160024

N/F  
**SHARDA, RAJESH & ASHOO**  
16 Sudbury Way  
Vol. 674 Pg. 1256  
4160016

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510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

## EXISTING CONDITIONS PLAN

APRIL 8, 2019

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**EX-1.1**

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SEE SHEET EX-1.0 FOR SURVEY NOTES & MAP REFERENCES

WEST AVON ROAD (CONN. ROUTE 167)

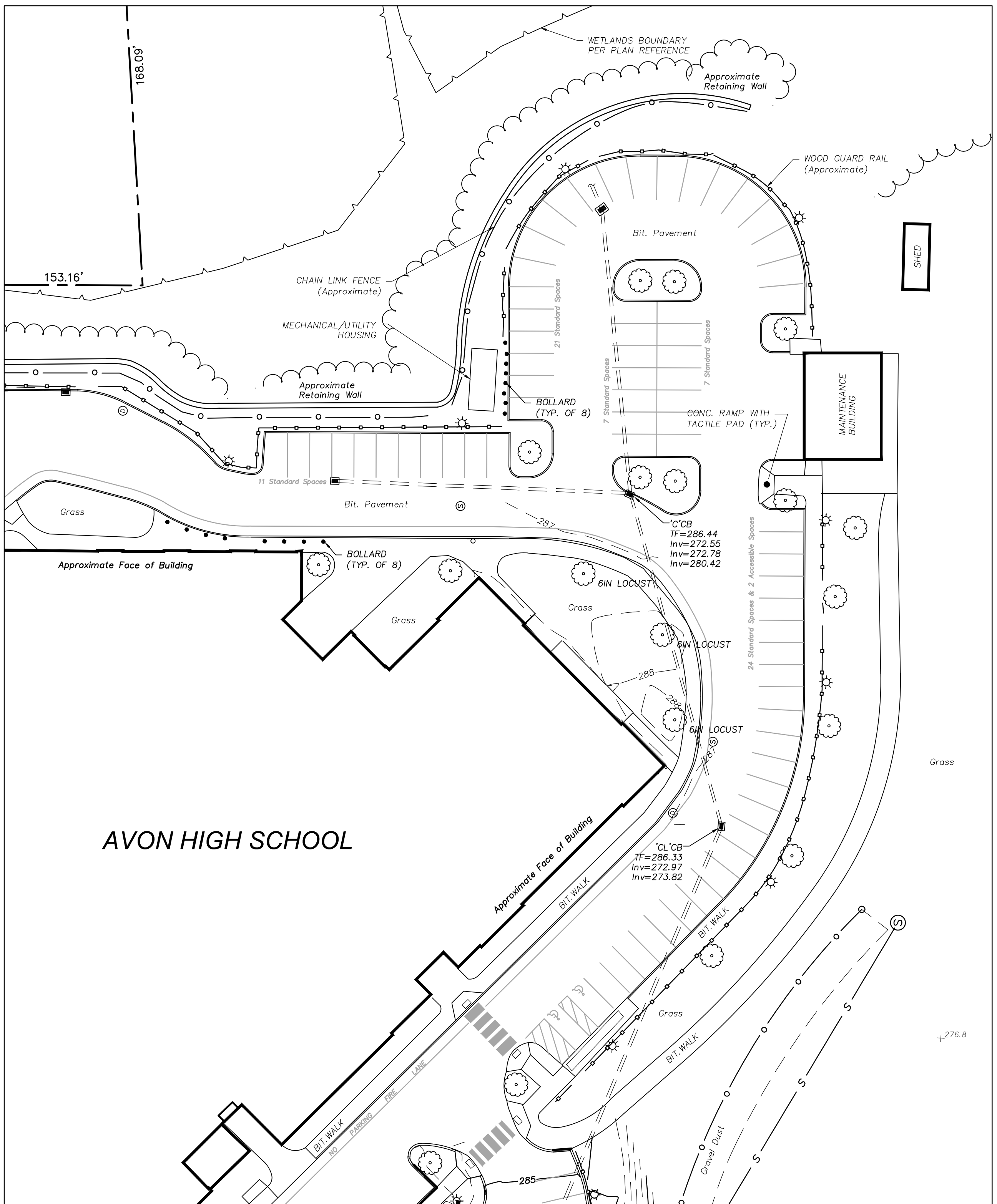
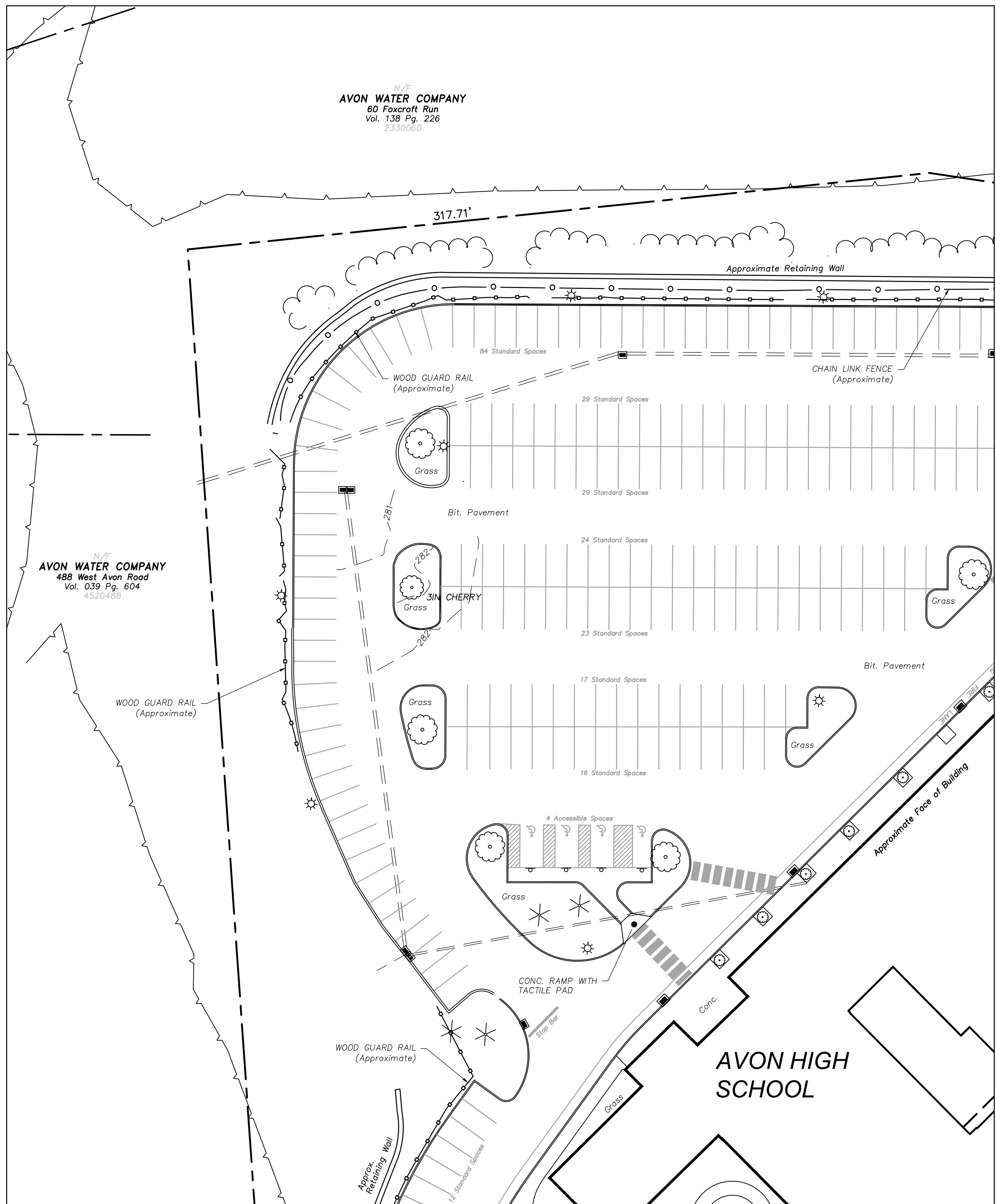
ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL - APRIL 8, 2019



CT GRID (NAD83)

**LEGEND**

- LIGHT POLE
- SIGN
- DECIDUOUS TREE
- CONIFEROUS TREE
- BOLLARD
- SEWER MANHOLE
- DRAIN MANHOLE
- CATCH BASIN
- TREE/BRUSH LINE
- CONTOUR MAJOR
- CONTOUR MINOR
- SEWER LINE
- DRAIN LINE
- CHAIN LINK FENCE
- WOOD GUARD RAIL
- PROPERTY LINE
- SPOT ELEVATION
- BIT.
- BITUMINOUS



SEE SHEET EX-1.0 FOR SURVEY NOTES & MAP REFERENCES

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510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

EXISTING CONDITIONS  
PLAN

APRIL 8, 2019

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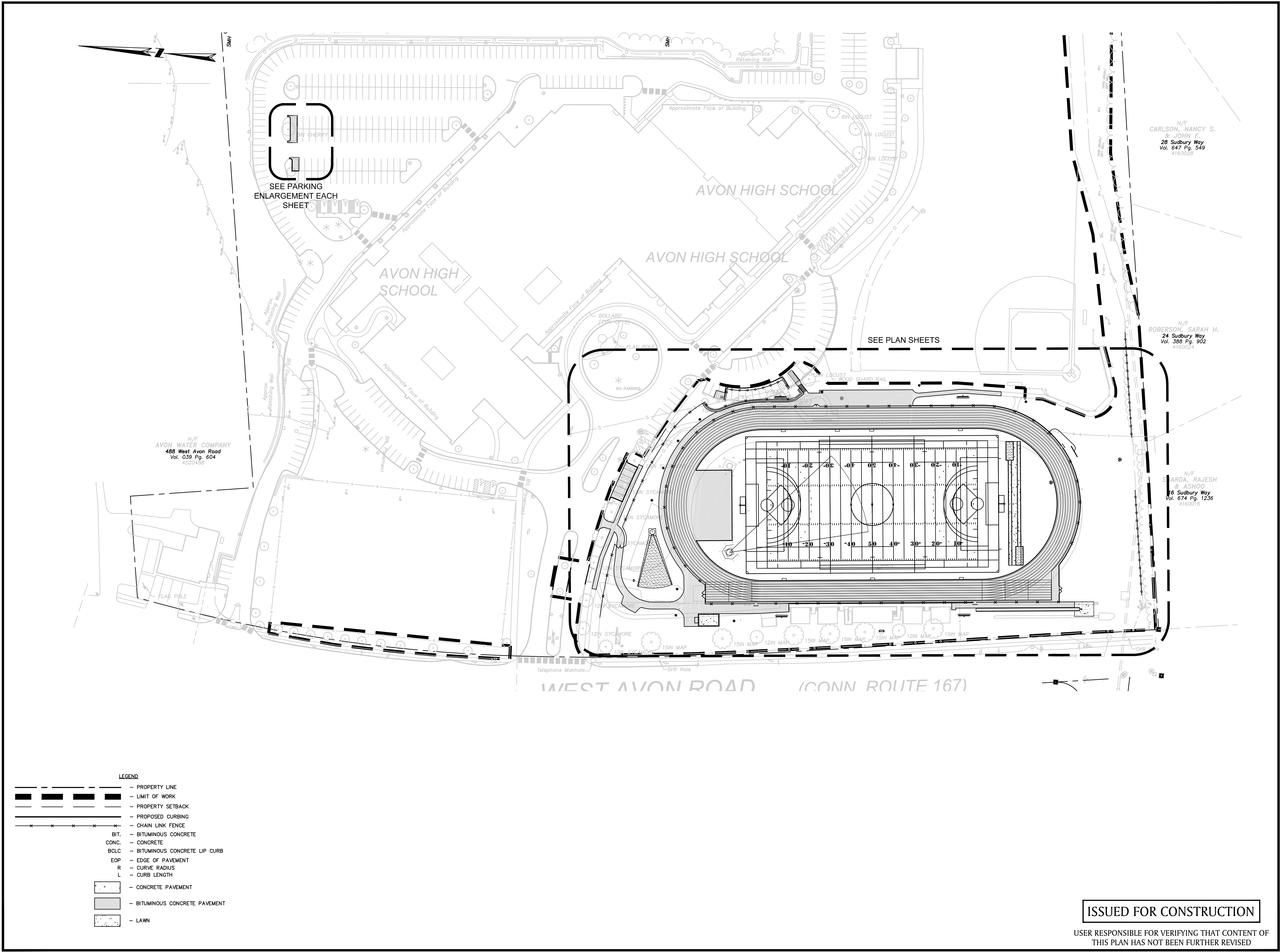
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EX-1.2

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL - APRIL 8, 2019





JESSE A. HARRIS, PLA No. 1224

ATHLETIC FACILITY  
IMPROVEMENTS AT  
AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

OVERALL SITE PLAN

APRIL 8, 2019

REVISIONS:	

PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

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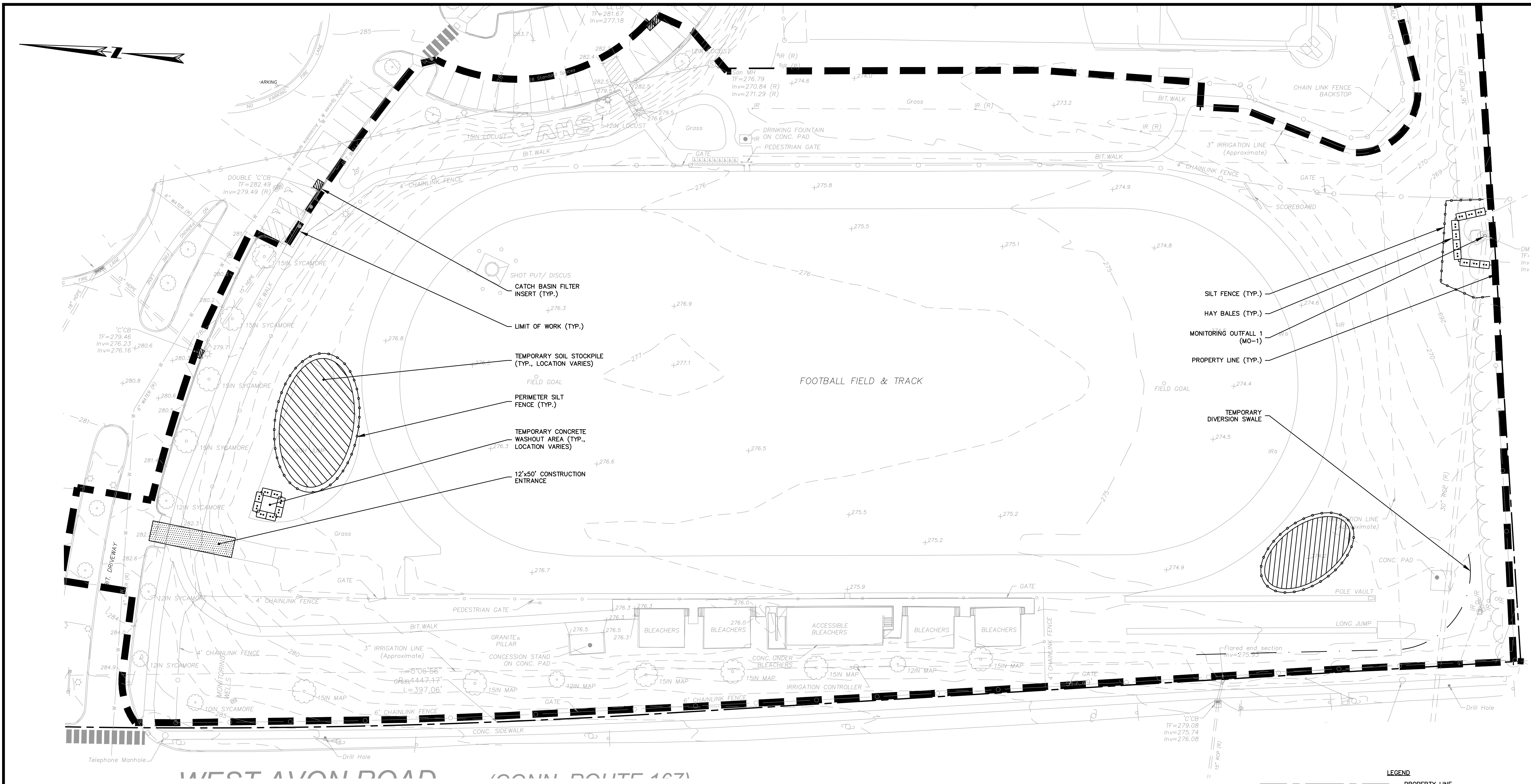
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NOTES:

1. THIS PLAN IS FOR EROSION AND SEDIMENTATION (E&S) CONTROL ONLY. SEE OTHER PLANS FOR THE SCOPE OF CONSTRUCTION WORK.
2. 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).
3. DO NOT PROCEED WITH THE WORK UNTIL ALL E&S CONTROL MEASURES ARE IN-PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.
4. 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 CONSTRUCTED 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.
5. 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.
6. 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.
7. 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.'
8. 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.
9. 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.
10. ALL TEMPORARY SLOPES IN EXCESS OF 3 (HORIZONTAL) TO 1 (VERTICAL) SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR APPROVED EQUIVALENT.
11. NO RUNOFF SHALL BE ALLOWED TO ENTER ANY STORMWATER SYSTEM OR EXIT THE SITE PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.
12. 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.
13. 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.
14. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER AND MAINTAIN ADEQUATE MOISTURE LEVELS.
15. 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.
16. 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.

TEMPORARY E&S MEASURES MAINTENANCE SCHEDULE

E&S MEASURE	MAINTENANCE MEASURES	SCHEDULE
FILTER INSERTS IN DRAINAGE SYSTEM	CLEAN CATCH BASIN GRATE, REMOVE SEDIMENT/DEBRIS FROM FILTER INSERTS.	WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE
HAY BALES/ SILT FENCE BARRIER	REPAIR/REPLACE WHEN FAILURE OBSERVED. REMOVE SILT WHEN ACCUMULATION REACHES APPROX. HALF HEIGHT OF FENCE.	WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE
TEMPORARY STOCKPILES	ENSURE PERIMETER SILT FENCE IS IN-PLACE. REPAIR/REPLACE WHEN FAILURE OBSERVED. REMOVE SILT WHEN ACCUMULATION REACHES APPROX. HALF HEIGHT OF FENCE.	DAILY
CONSTRUCTION ENTRANCE	SWEEP PAVED ROADWAY ADJACENT TO SITE ENTRANCE AS NECESSARY, REFRESH STONE AS NECESSARY, REMOVE SILTED GRAVEL.	WEEKLY
MOISTEN EXPOSED SOILS	PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS AND KEEP TRAVELWAYS DAMP.	DAILY

SUGGESTED CONSTRUCTION SEQUENCE:

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

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.

LEGEND	
	PROPERTY LINE
	LIMIT OF WORK
	SILT FENCE
	HAY BALES
	TEMPORARY DIVERSION SWALE
	CONSTRUCTION ENTRANCE
	TEMPORARY STOCKPILE
	CATCH BASIN FILTER INSERT
	CONCRETE WASHOUT AREA

ISSUED FOR CONSTRUCTION

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ROBERT NEWTON, PE No. 20662

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

EROSION AND SEDIMENT CONTROL PLAN

APRIL 8, 2019

REVISIONS:


PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

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860 652 8227

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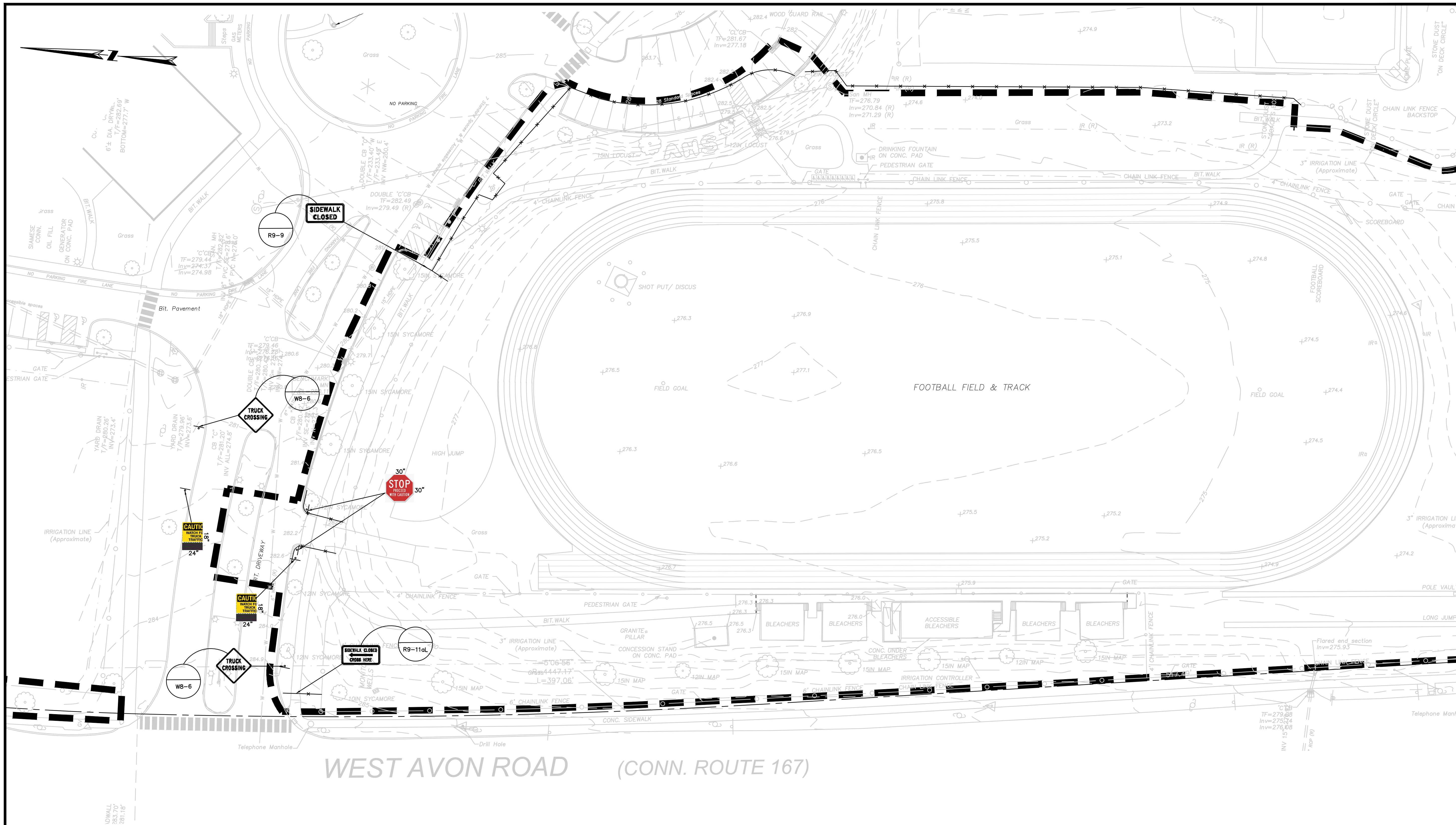
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C-1.0









WEST AVON ROAD (CONN. ROUTE 167)

- NOTES:
- ALL TEMPORARY SIGNAGE SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.

LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- TEMPORARY CHAIN LINK CONSTRUCTION FENCE
- TEMPORARY SIGN
- TEMPORARY SIGN IDENTIFICATION

ISSUED FOR CONSTRUCTION

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ROBERT NEWTON, PE No. 20662

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

APRIL 8, 2019

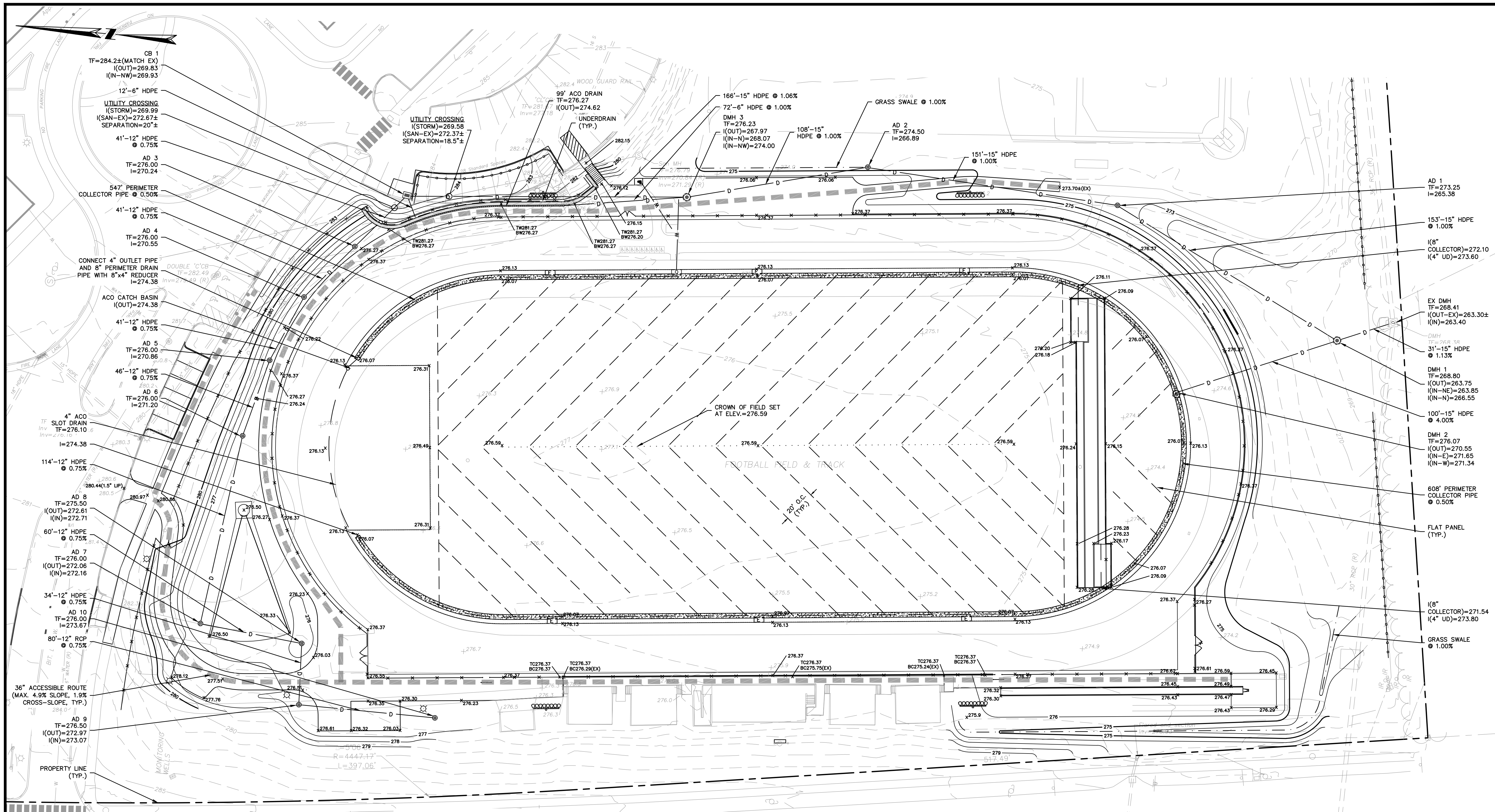
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**C-2.1**





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 VERIFICATION OF 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.
- 
- 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.
- 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.
- 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%).
- 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.
- DETECTABLE WARNINGS SHALL BE A MINIMUM OF 24-INCHES IN DEPTH. AT CURB RAMPS, DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE RAMP AND BE INSTALLED 6-INCHES FROM THE CURB LINE AT THE RAMP BASE.
- GRADE TRANSITION BETWEEN TOPOGRAPHIC LINES AND SPOT GRADES SHALL BE UNIFORM UNLESS OTHERWISE INDICATED.
- UNLESS OTHERWISE INDICATED, BLEND TRANSITIONS IN ELEVATION BETWEEN NEW WORK AND AREAS TO REMAIN AT A MAXIMUM SLOPE OF 1V:2H AND RESTORE WITH FOUR (4) INCHES OF LOAM AND SEED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED. COORDINATE WITH ENGINEER IF DIMENSIONAL CONSTRAINTS REQUIRE STEEPER SLOPES.
- ALL DRAINAGE PIPE THAT IS 12-INCHES OR LARGER SHALL BE REINFORCED CONCRETE PIPE. SEE SPECIFICATIONS.
- UPON REACHING PROPOSED SUBGRADE ELEVATIONS WITHIN THE FIELD, ENGINEER WILL REVIEW SUBGRADE PRIOR TO INSTALLATION OF DRAINAGE SYSTEM. SEE SPECIFICATION SECTION 31 2310 - EARTHWORK.
- ALL CATCH BASINS AND SHALLOW DROP INLETS SET AGAINST CURBS SHALL BE CONDNOT TYPE 'C'. ALL OTHERS SHALL BE CONDNOT TYPE 'C-L'.
- ALL UNDERDRAINS SHALL BE 6-INCH HDPE. SEE SPECIFICATIONS.
- 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. ALL NEW UTILITY STRUCTURES SHALL BE INSTALLED WITH TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) TO FINAL GRADE IN A FLUSH CONDITION.
- 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.

ISSUED FOR CONSTRUCTION

USER RESPONSIBLE FOR VERIFYING THAT CONTENT OF THIS PLAN HAS NOT BEEN FURTHER REVISED



ROBERT NEWTON, PE No. 20662

## ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

### GRADING AND DRAINAGE PLAN ENLARGEMENT

APRIL 8, 2019

REVISIONS:

NO.	DESCRIPTION

PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001



300 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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SCALE: 1" = 30'



FILE: 8357202 - GRDR.DWG

DWG. NO:

JOB. NO: 83572.02

C-3.0

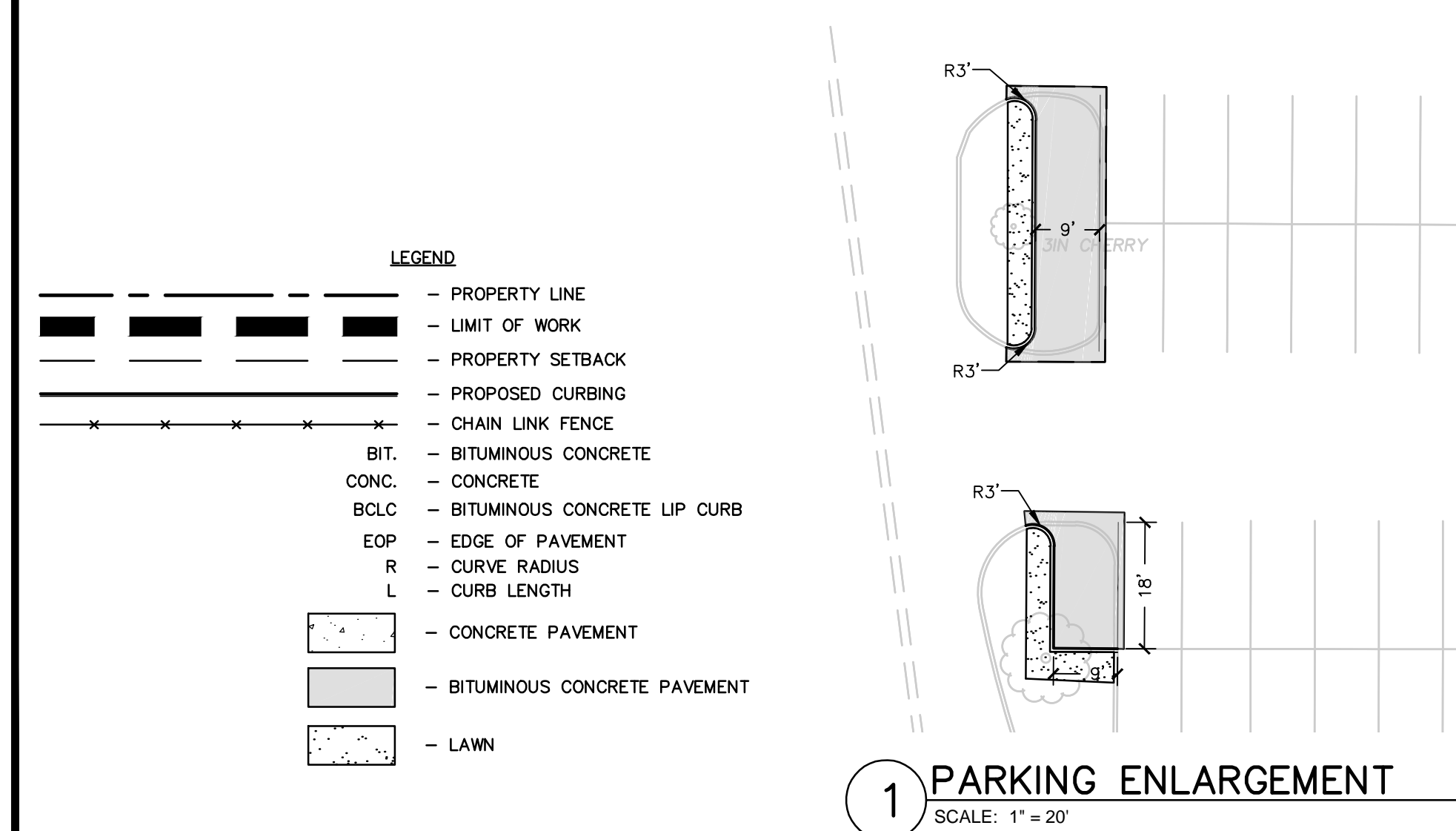
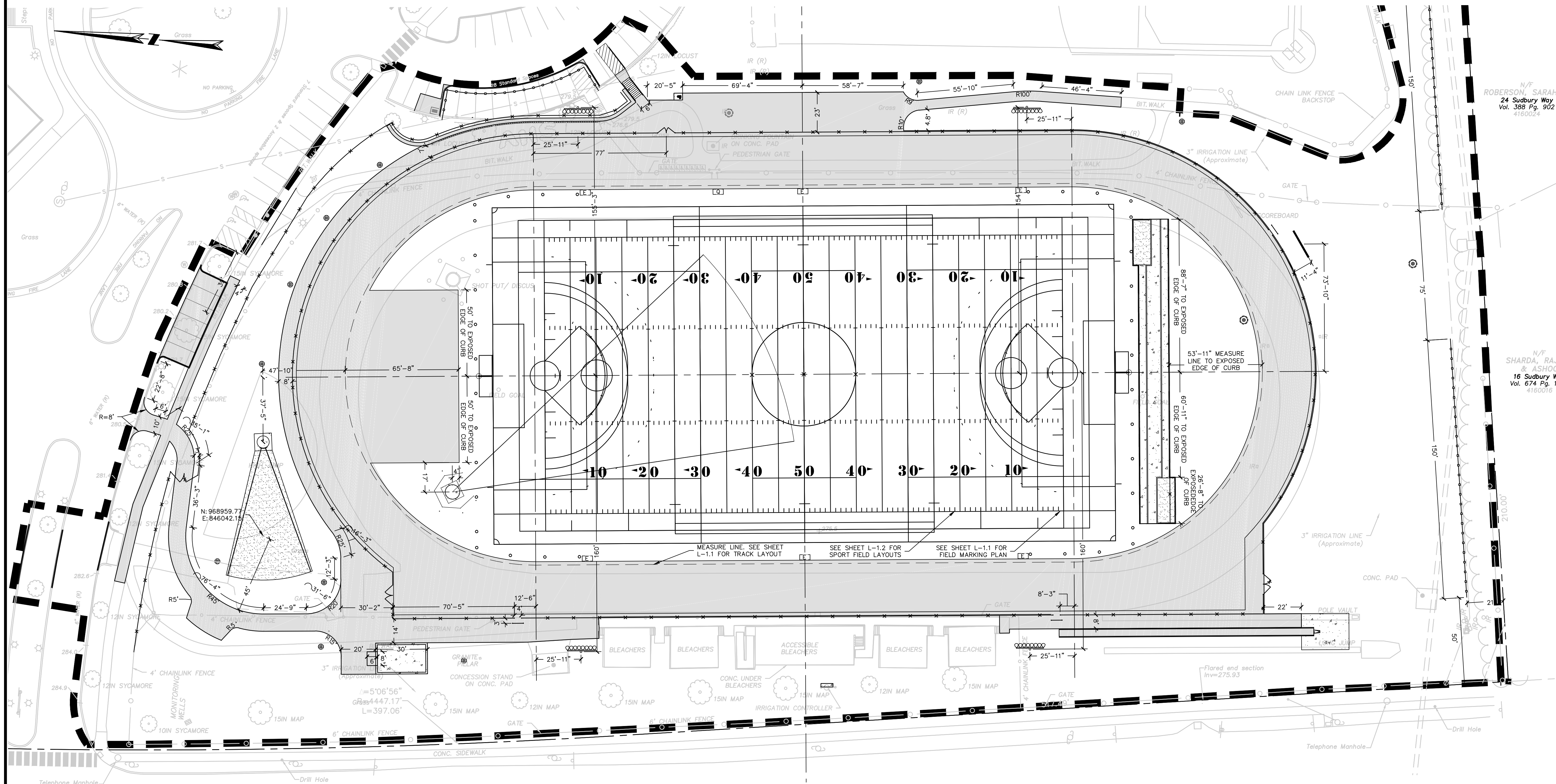
LEGEND

- 100 — — PROPERTY LINE
- 99 — — TOPOGRAPHY: MAJOR INTERVAL
- — — — TOPOGRAPHY: MINOR INTERVAL
- — — — TOPOGRAPHY: SPOT ELEVATION
- D — D — STORM DRAINAGE PIPE
- — — — UNDERDRAIN / FLAT PANEL
- — — — GRASS SWALE
- — — — 36" ACCESSIBLE ROUTE
- — — — COLLECTOR DRAIN AND STONE
- ⊙ — DRAINAGE MANHOLE (DMH)
- ⊙ — AREA DRAIN (AD)
- ⊙ — TYPE "C-L" CATCH BASIN (CB)

## 1 PARKING ENLARGEMENT

SCALE: 1" = 20'





- NOTES:
1. 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.
  2. 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.
  3. NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
  4. 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.
  5. 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.
  6. THIS DRAWING IS INTENDED TO DEPICT THE LOCATION, AND LAYOUT OF CONSTRUCTION AND IS INTENDED TO BE USED IN CONJUNCTION WITH ASSOCIATED DRAWINGS AND APPLICABLE SPECIFICATION SECTIONS.
  7. 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.
  8. 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.
  9. 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%).
  10. RAMPS SHALL COMPLY WITH CT BUILDING CODE, REF. 2012 IBC SECTION 1010 AND ICC/ANSI A117.1 2009 CHAPTER 4, SECTION 405.
  11. DIMENSIONS INDICATED ARE TO FACE OF CURB, PAVEMENT EDGE, EDGE OR CENTERLINE OF IMPROVEMENT, OR AS OTHERWISE NOTED. NOTIFY THE ENGINEER OF ANY AND ALL DIMENSIONAL DISCREPANCIES BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
  12. 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.
  13. UNLESS OTHERWISE INDICATED, LINES ARE PARALLEL OR PERPENDICULAR TO LINE FROM WHICH THEY ARE MEASURED.

ISSUED FOR CONSTRUCTION

USER RESPONSIBLE FOR VERIFYING THAT CONTENT OF THIS PLAN HAS NOT BEEN FURTHER REVISED



JESSE A. HARRIS, PLA No. 1224

# ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT  
LAYOUT PLAN

APRIL 8, 2019

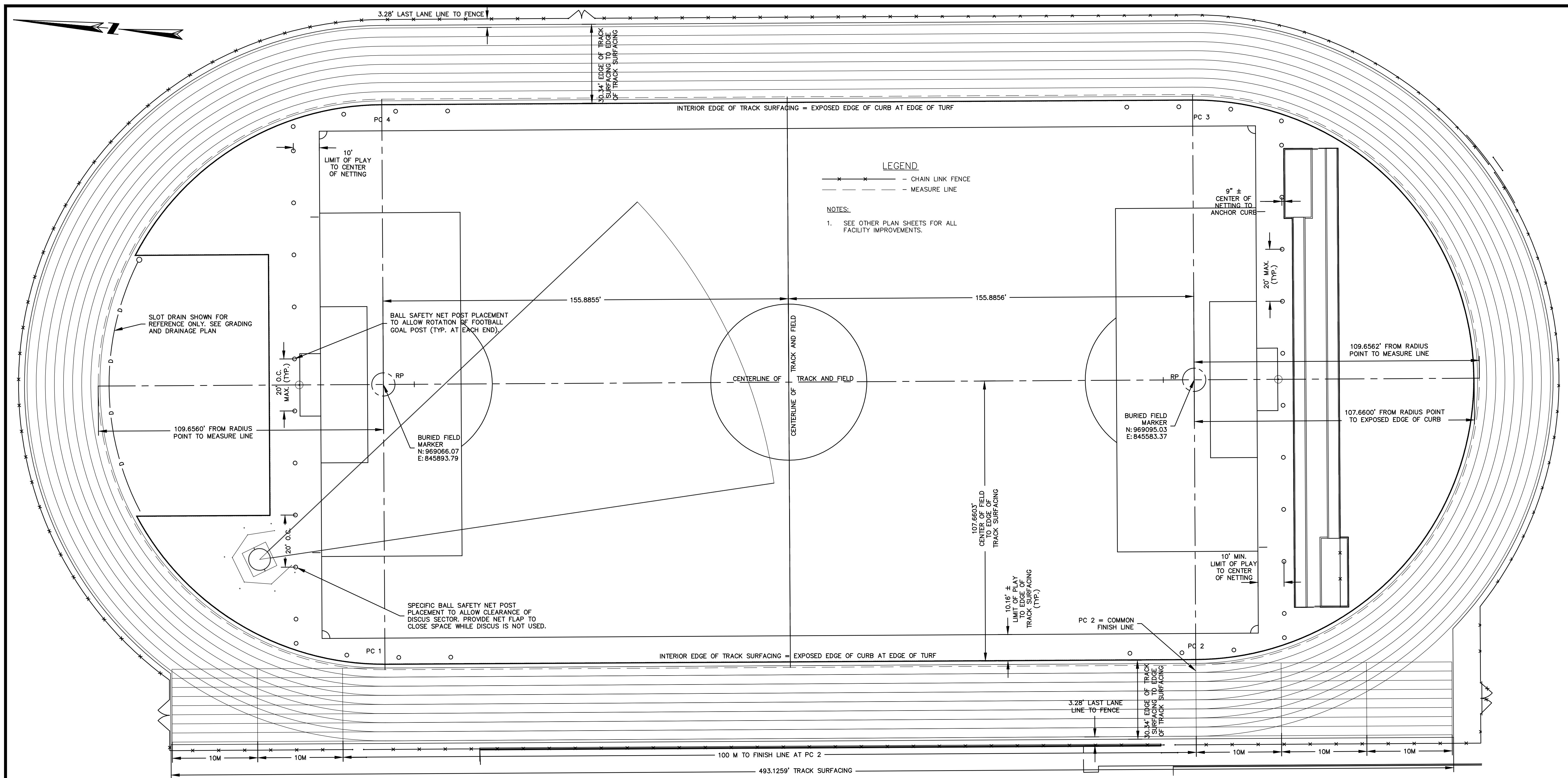
REVISIONS:	

PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

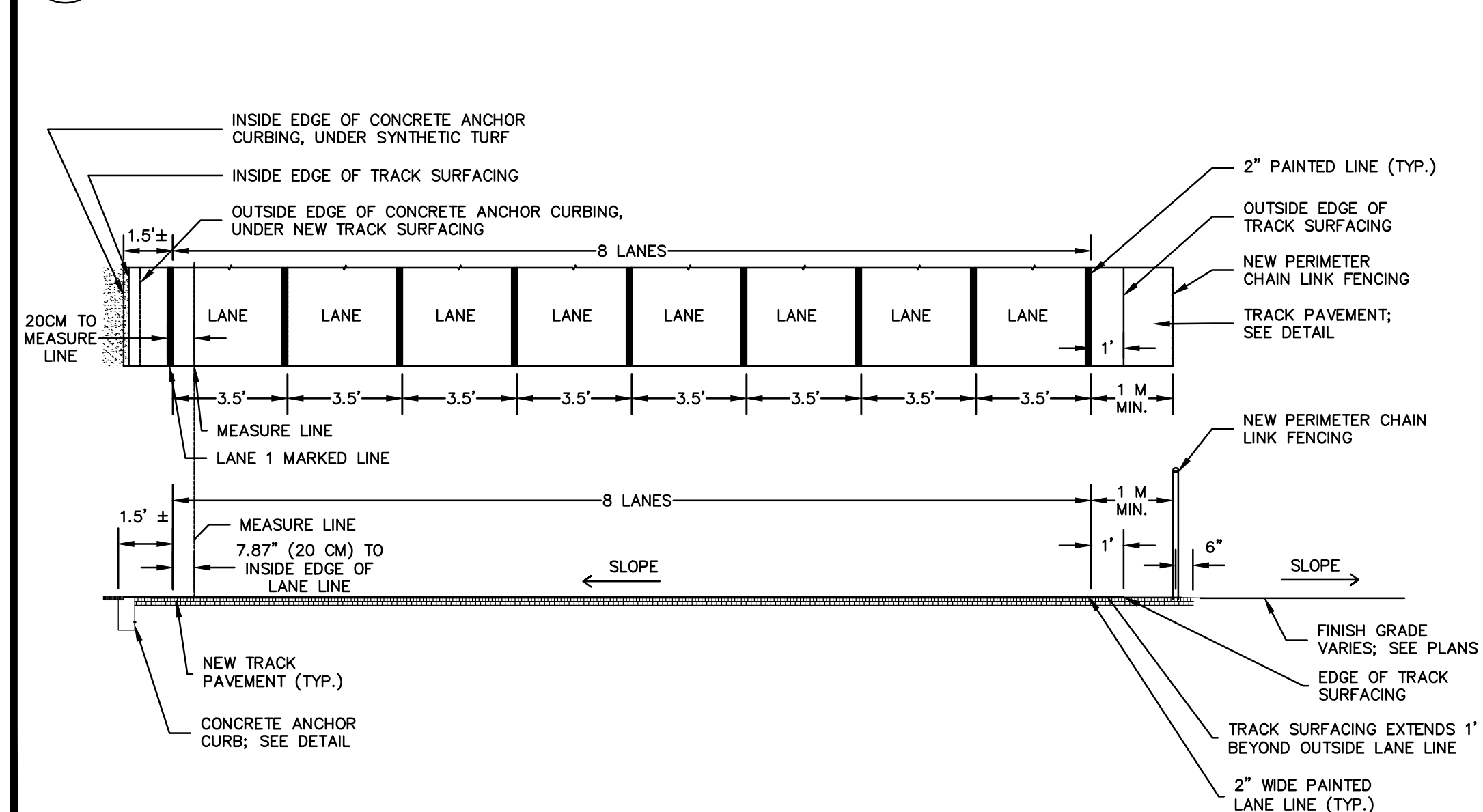
**BSC GROUP**  
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Glastonbury, Connecticut 06033  
860 652 8227

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FILE: 8357202 - LM.DWG  
DWG. NO:  
JOB. NO: 83572.02  
**L-1.0**

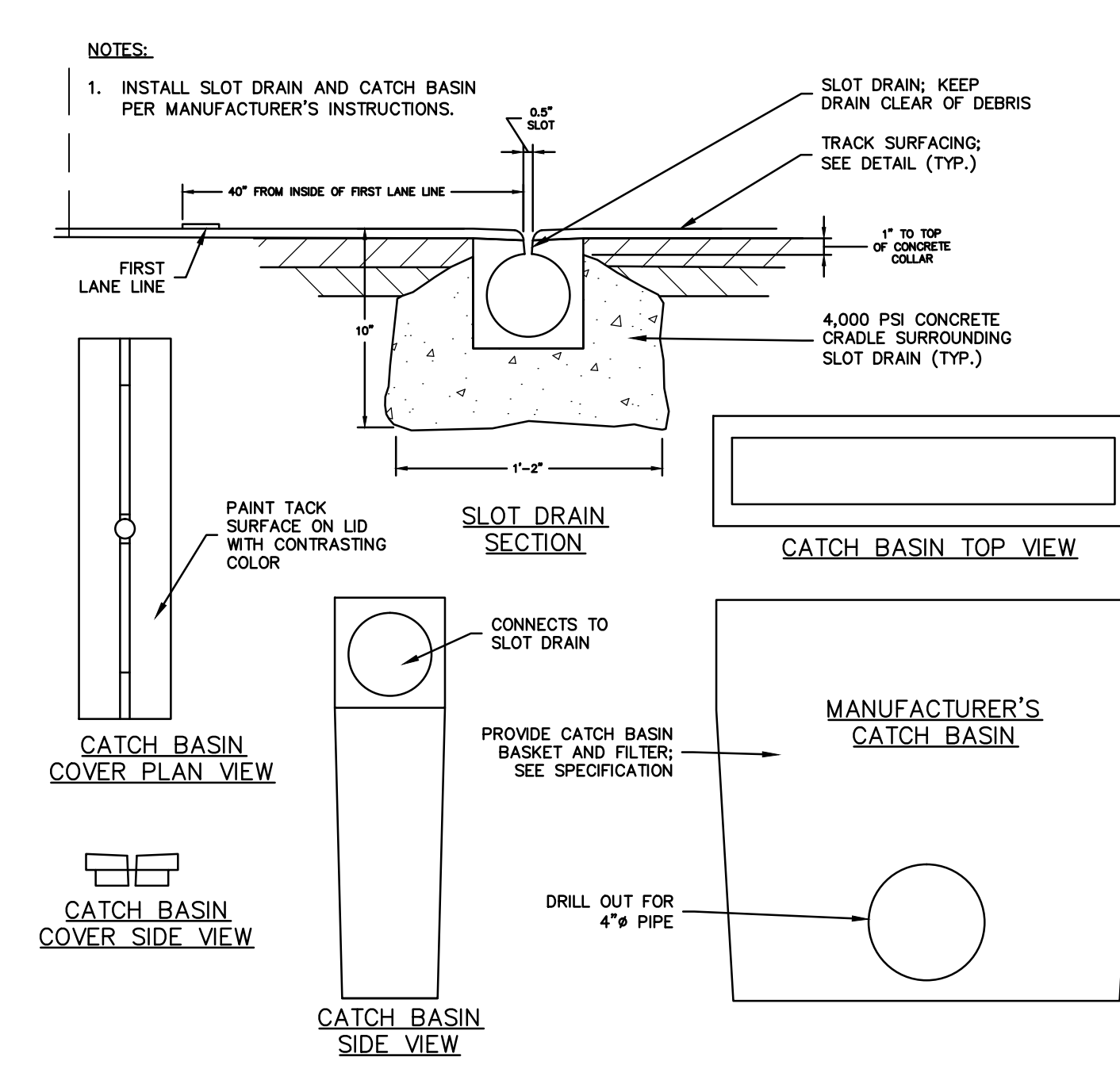




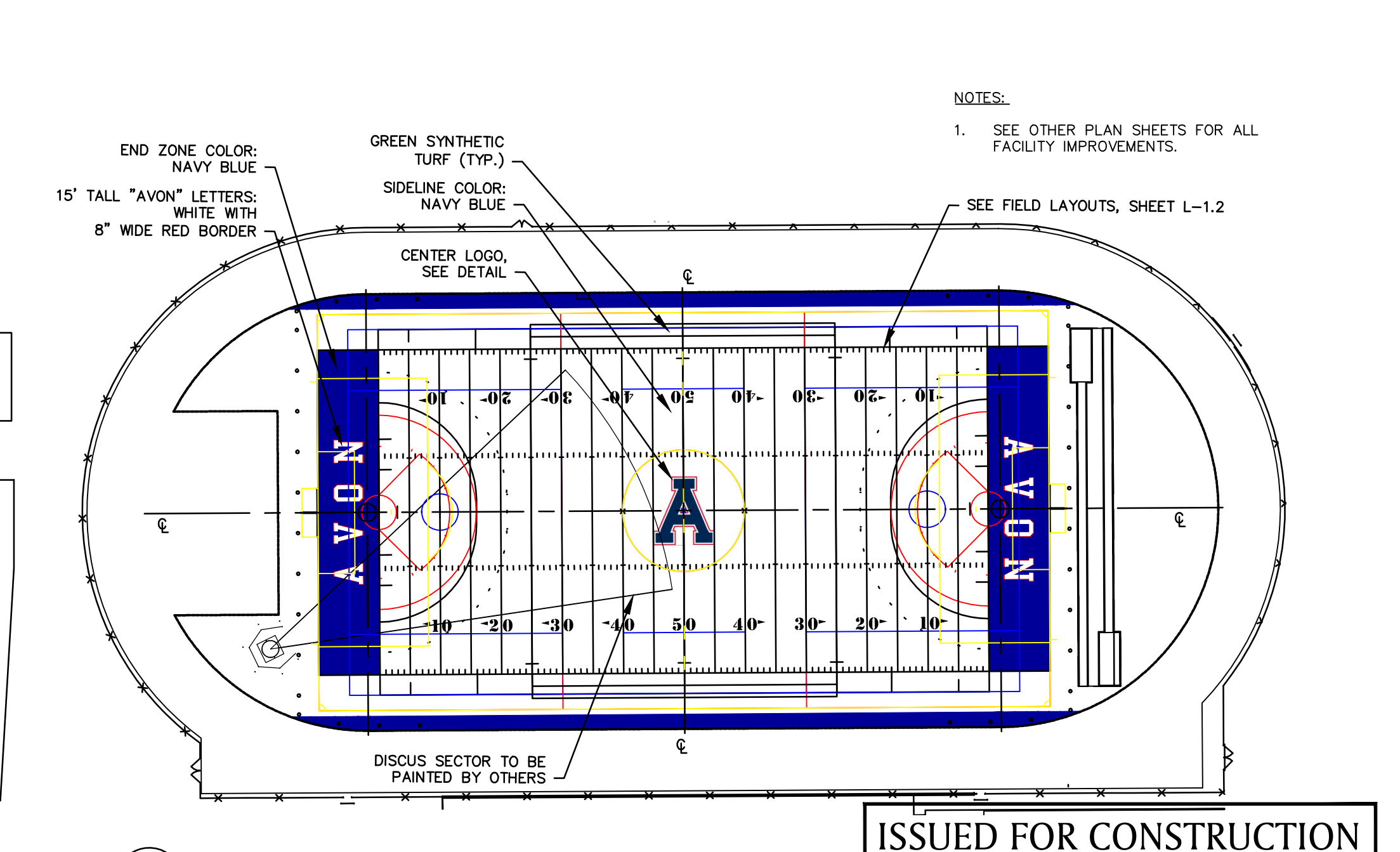
1 NEW TRACK LAYOUT  
SCALE: NONE



2 TRACK PAVEMENT SECTION  
SCALE: NONE



3 SLOT DRAIN AND CATCH BASIN AT TRACK  
SCALE: NONE



4 FIELD MARKING PLAN  
SCALE: NONE

ISSUED FOR CONSTRUCTION  
USER RESPONSIBLE FOR VERIFYING THAT CONTENT OF  
THIS PLAN HAS NOT BEEN FURTHER REVISED



JESSE A. HARRIS, PLA No. 1224

# ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

## TRACK LAYOUT PLAN

APRIL 8, 2019

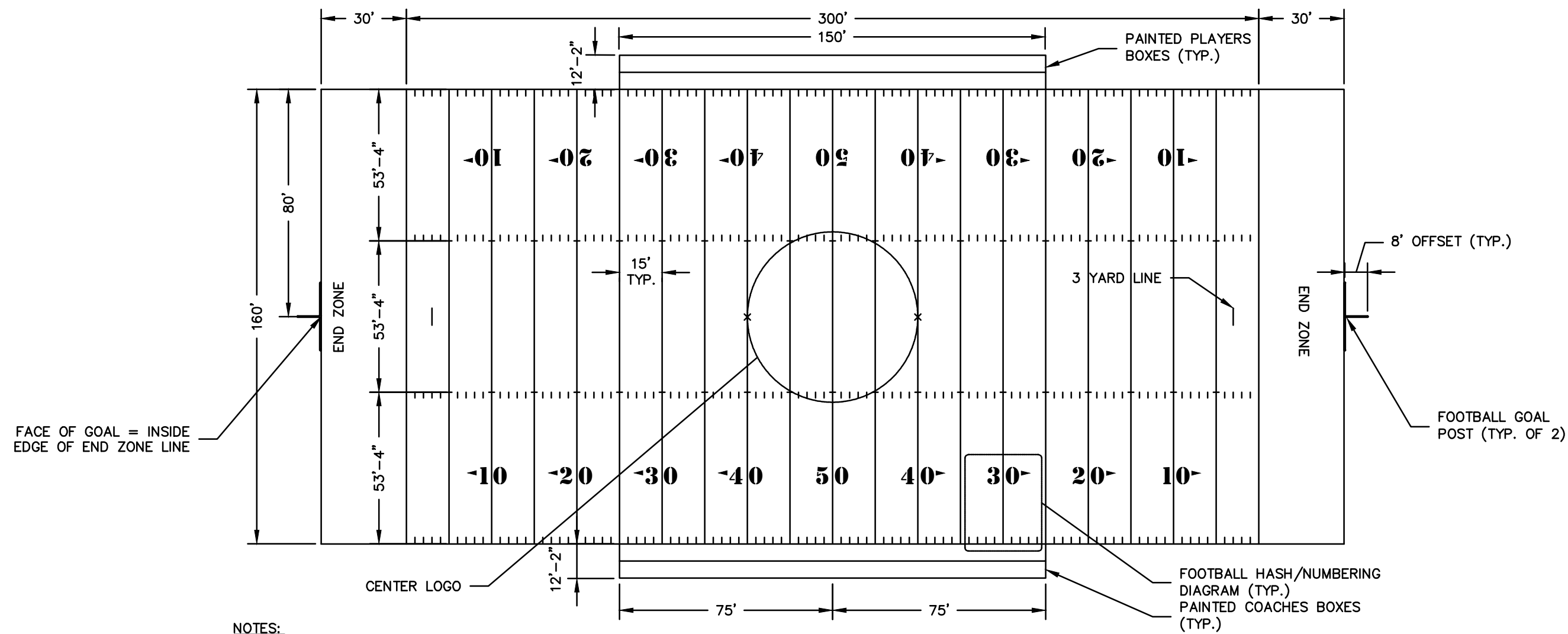
REVISIONS:	

PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

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860 652 8227

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SCALE: 1" = 20'  
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DWG. NO:  
JOB. NO: 83572.02  
**L-1.1**

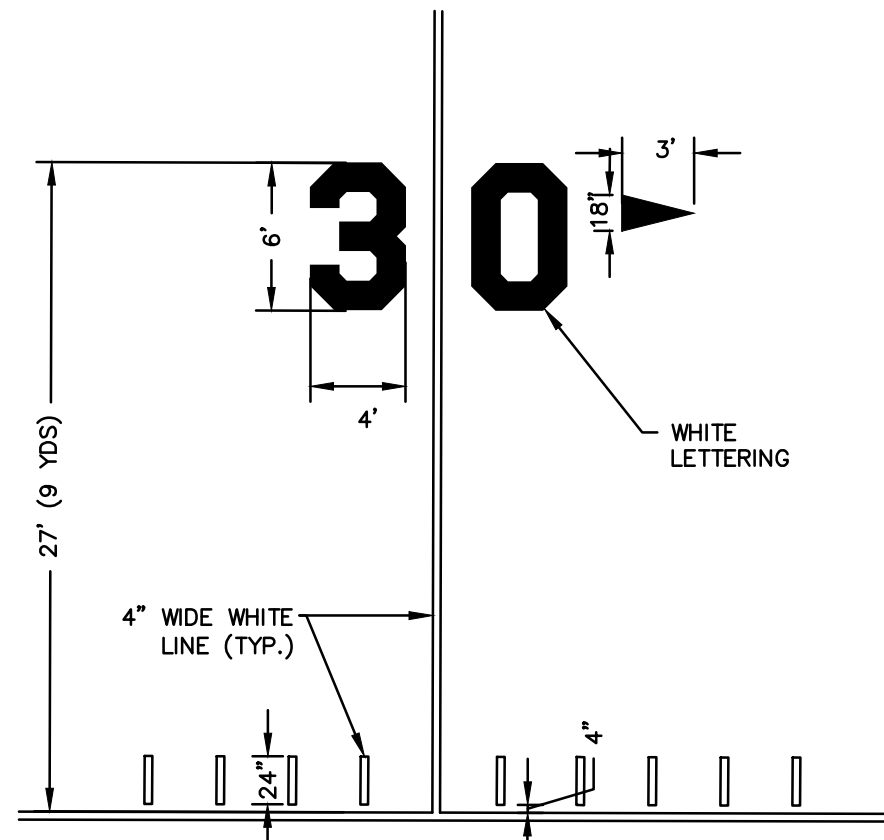




- NOTES:
1. ALL FOOTBALL DIMENSIONS ARE MEASURED FROM INSIDE EDGE OF LINE TO INSIDE EDGE OF LINE.
  2. WHERE FOOTBALL LINES OVERLAP OTHER SPORT FIELD LINES, FOOTBALL SHALL TAKE PRIORITY.

#### 1 FOOTBALL FIELD LAYOUT (WHITE MARKINGS)

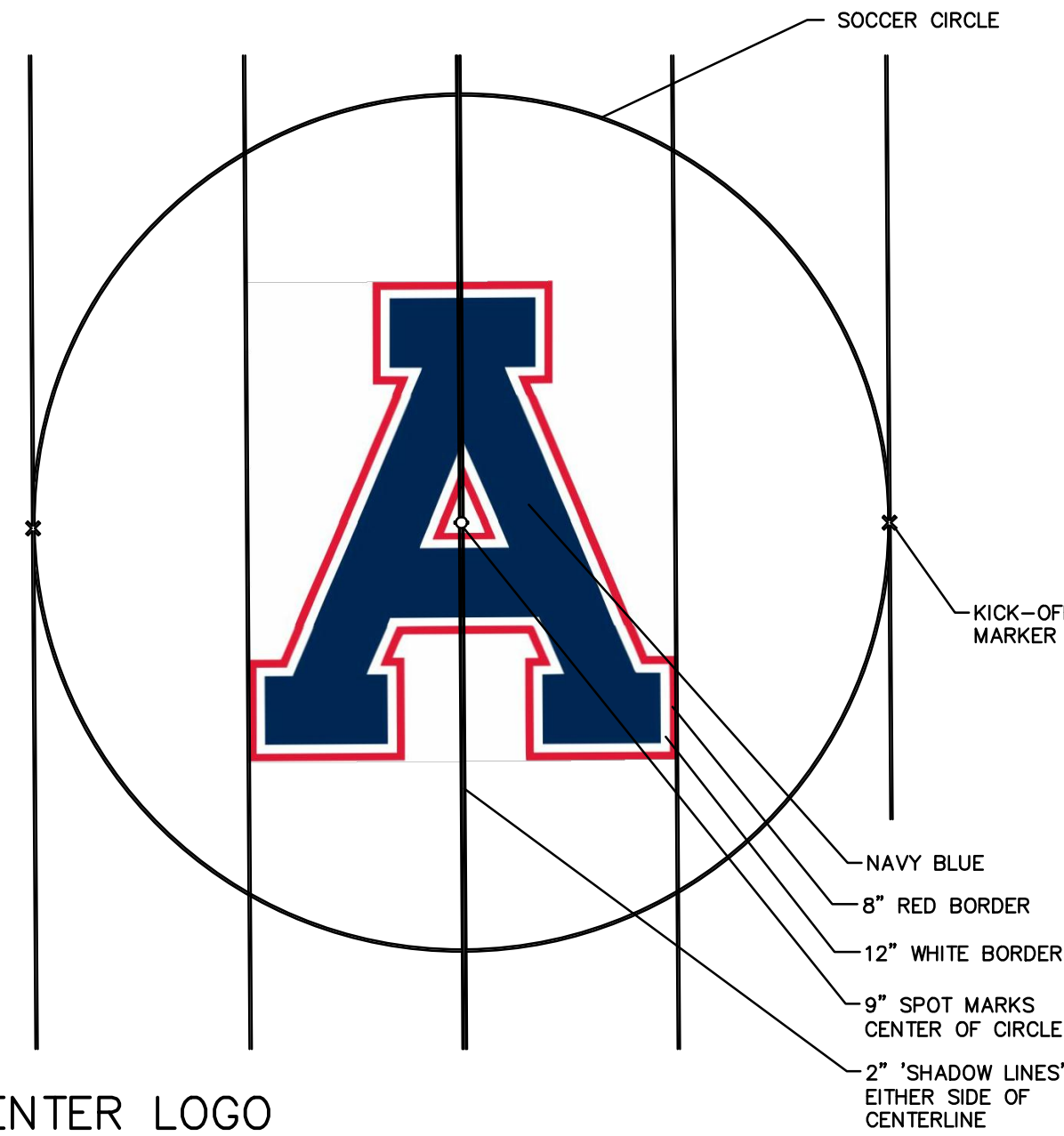
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- NOTES:
1. ALL FOOTBALL DIMENSIONS ARE MEASURED FROM INSIDE EDGE OF LINE TO INSIDE EDGE OF LINE.

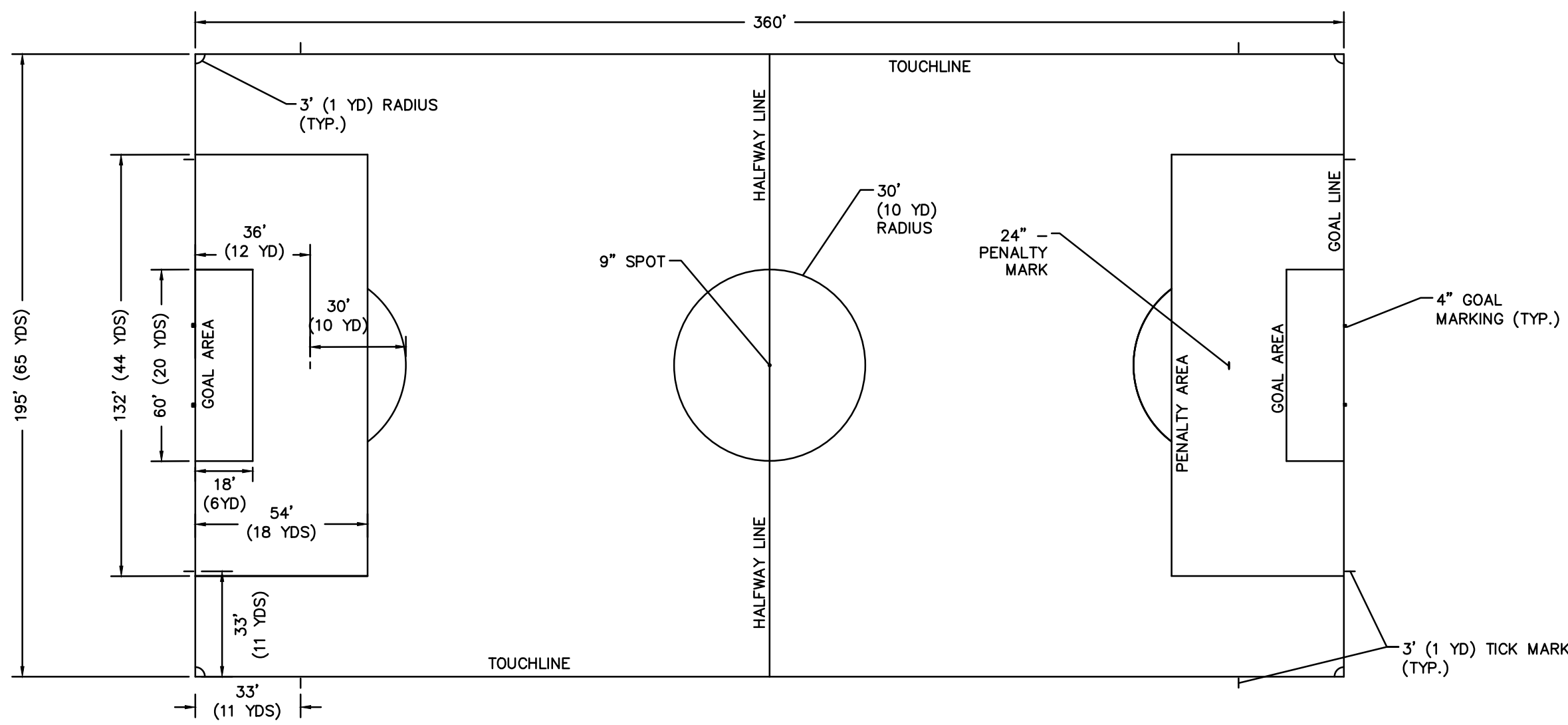
#### 2 FOOTBALL HASH/NUMBERS DIAGRAM

SCALE: NONE



#### 3 CENTER LOGO

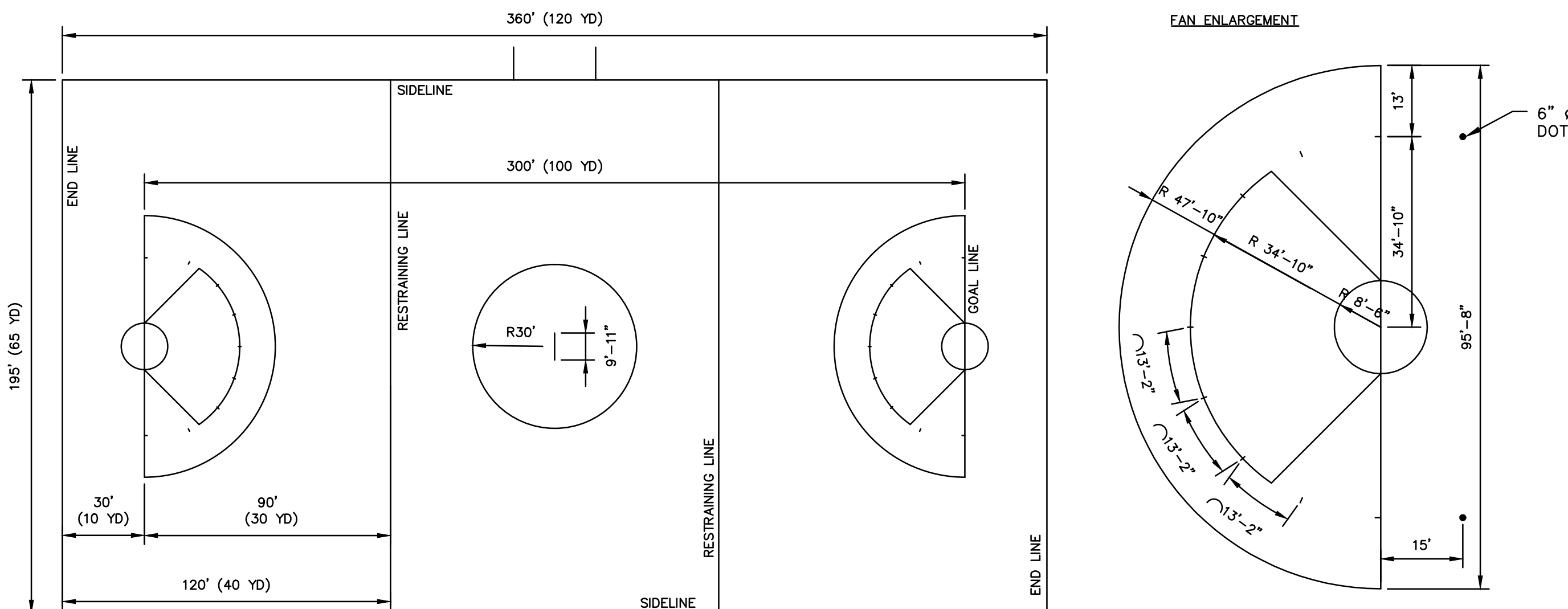
SCALE: NONE



- NOTES:
1. ALL SOCCER DIMENSIONS ARE MEASURED FROM OUTSIDE EDGE OF LINE TO OUTSIDE EDGE OF LINE, UNLESS OTHERWISE NOTED.

#### 4 SOCCER FIELD LAYOUT (YELLOW MARKINGS)

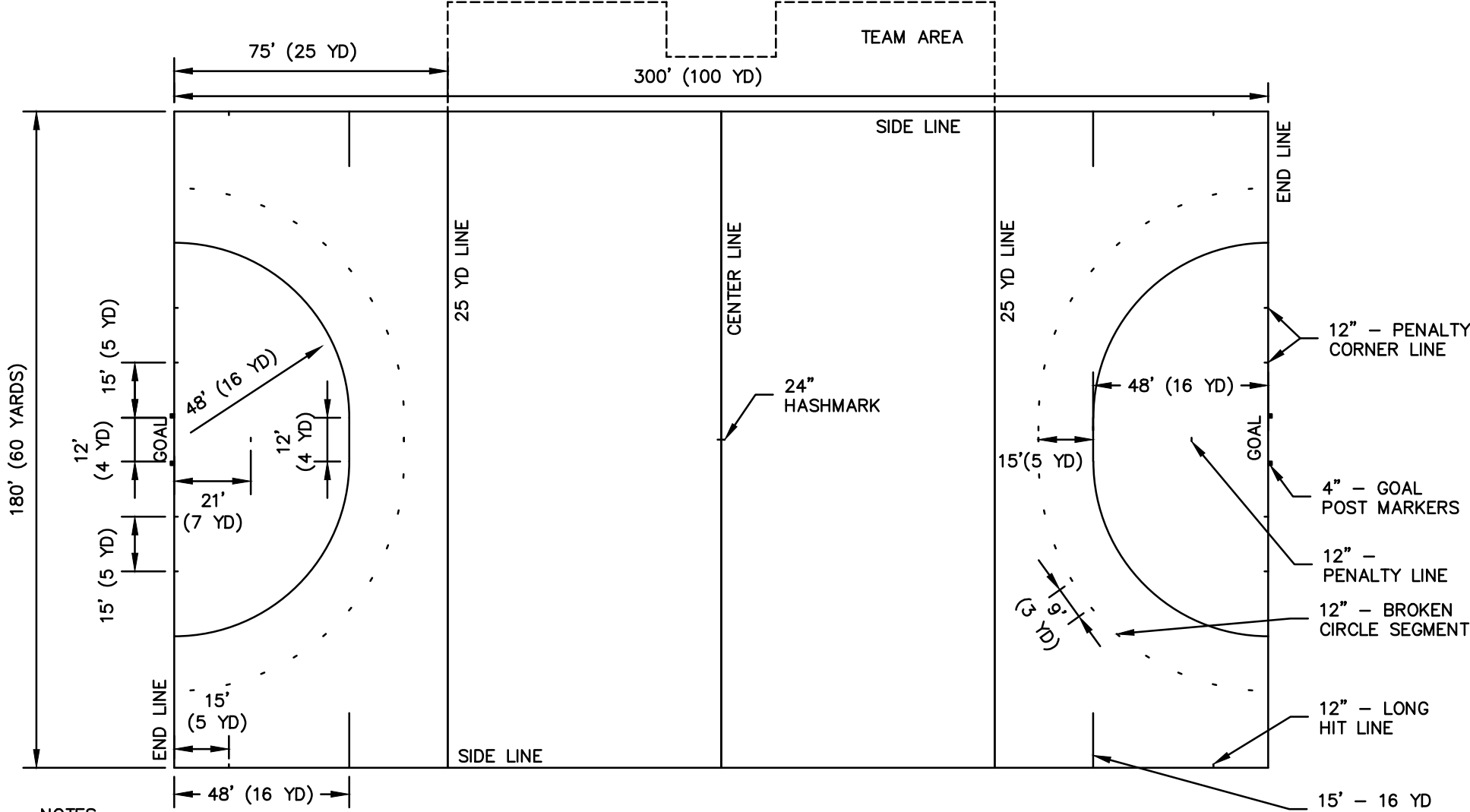
SCALE: 1" = 40'



- NOTES:
1. TEAM AREAS TO BE PAINTED BY OTHERS (N.I.C.)
  2. ALL DIMENSIONS ARE MEASURED FROM INSIDE EDGE TO INSIDE EDGE OF LINES.

#### 6 WOMEN'S LACROSSE (RED MARKINGS)

SCALE: 1" = 40'



- NOTES:
1. TEAM AREAS TO BE PAINTED BY OTHERS (N.I.C.)
  2. ALL DIMENSIONS ARE MEASURED FROM OUTSIDE EDGE TO OUTSIDE EDGE OF LINES.

#### 7 FIELD HOCKEY LAYOUT (BLACK MARKINGS)

SCALE: 1" = 40'



JESSE A. HARRIS, PLA No. 1224

### ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD

IN  
AVON  
CONNECTICUT

FIELD LAYOUTS

APRIL 8, 2019

REVISIONS:


PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

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300 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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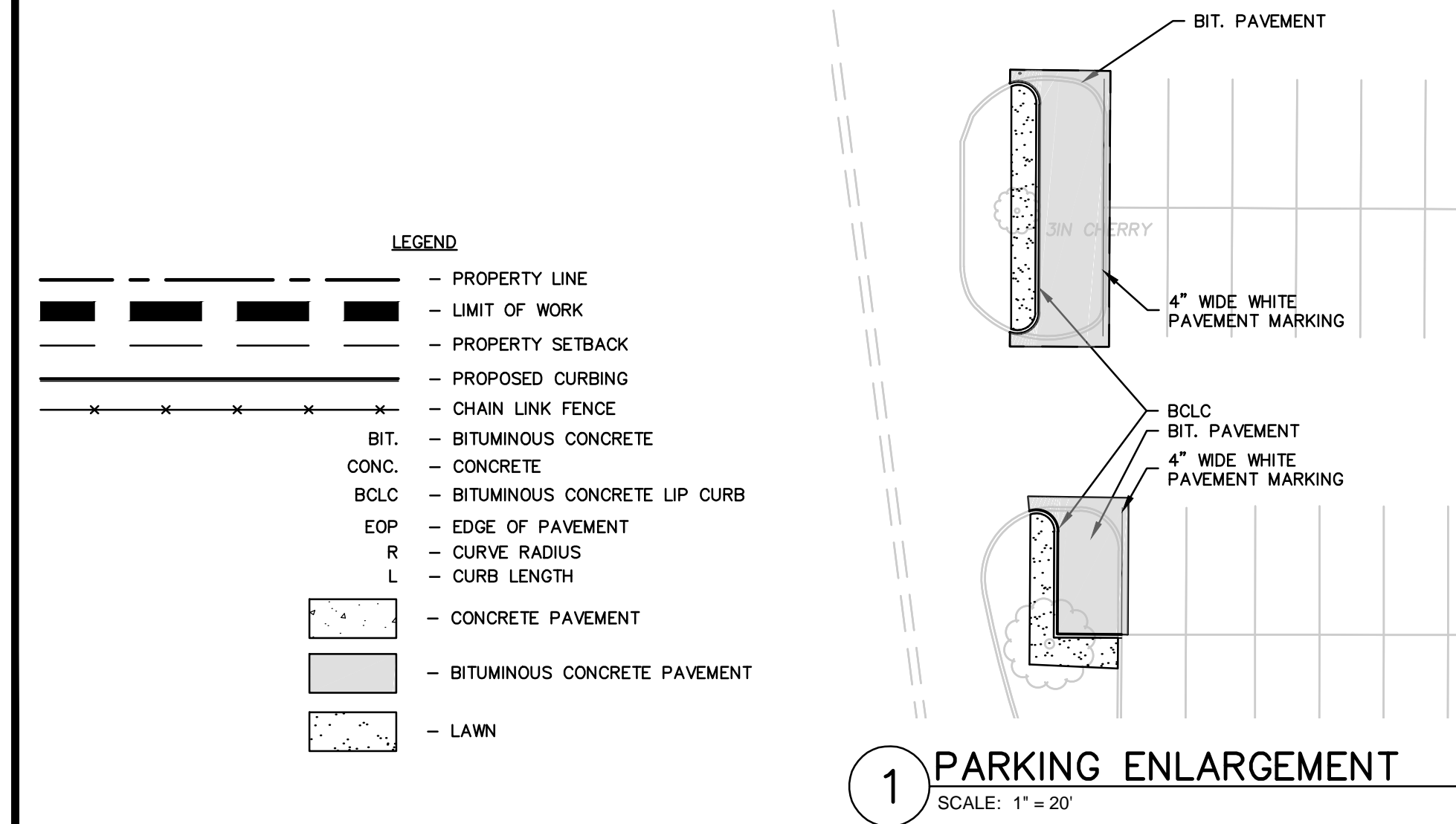
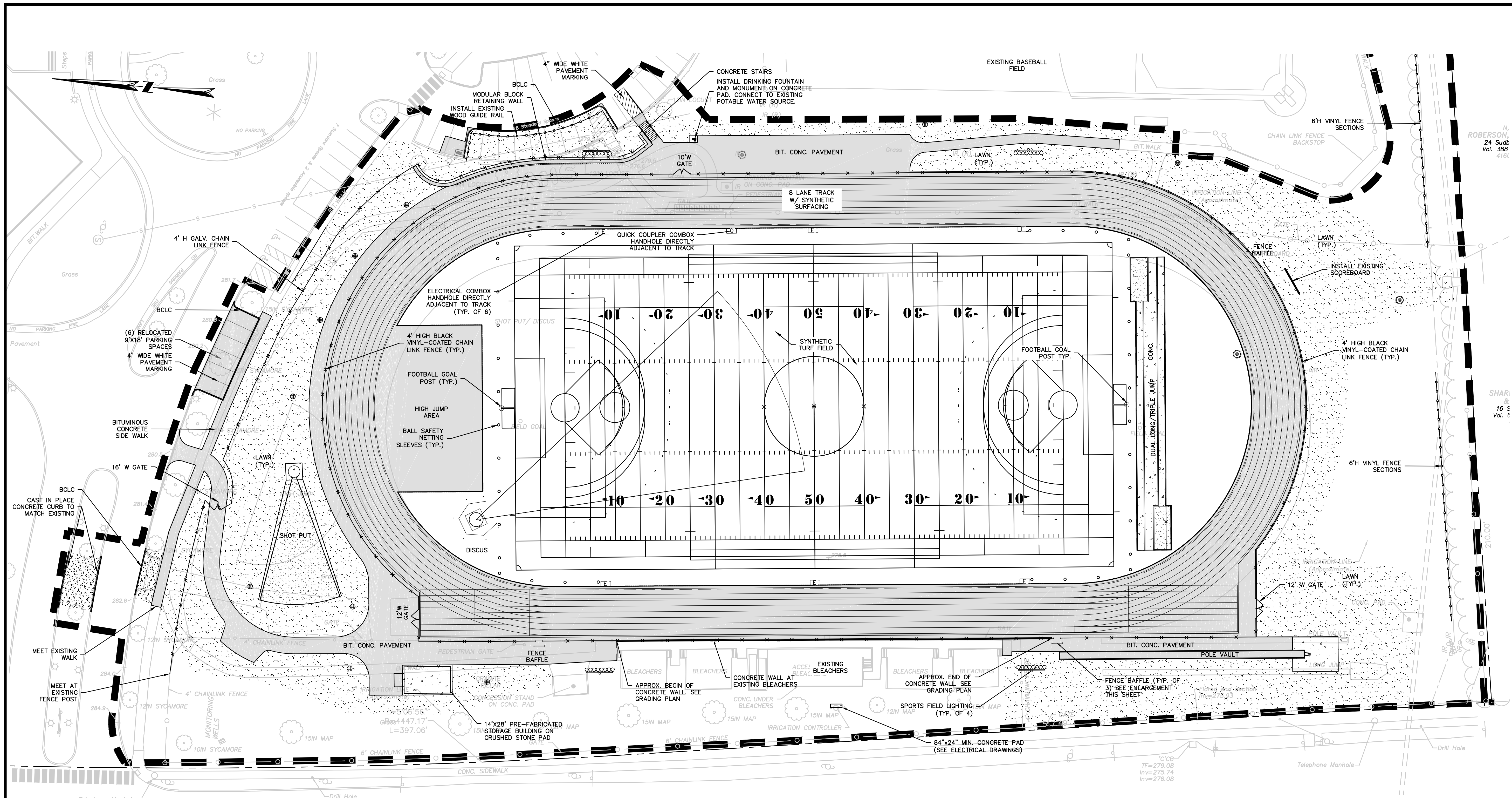
ISSUED FOR CONSTRUCTION

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THIS PLAN HAS NOT BEEN FURTHER REVISED

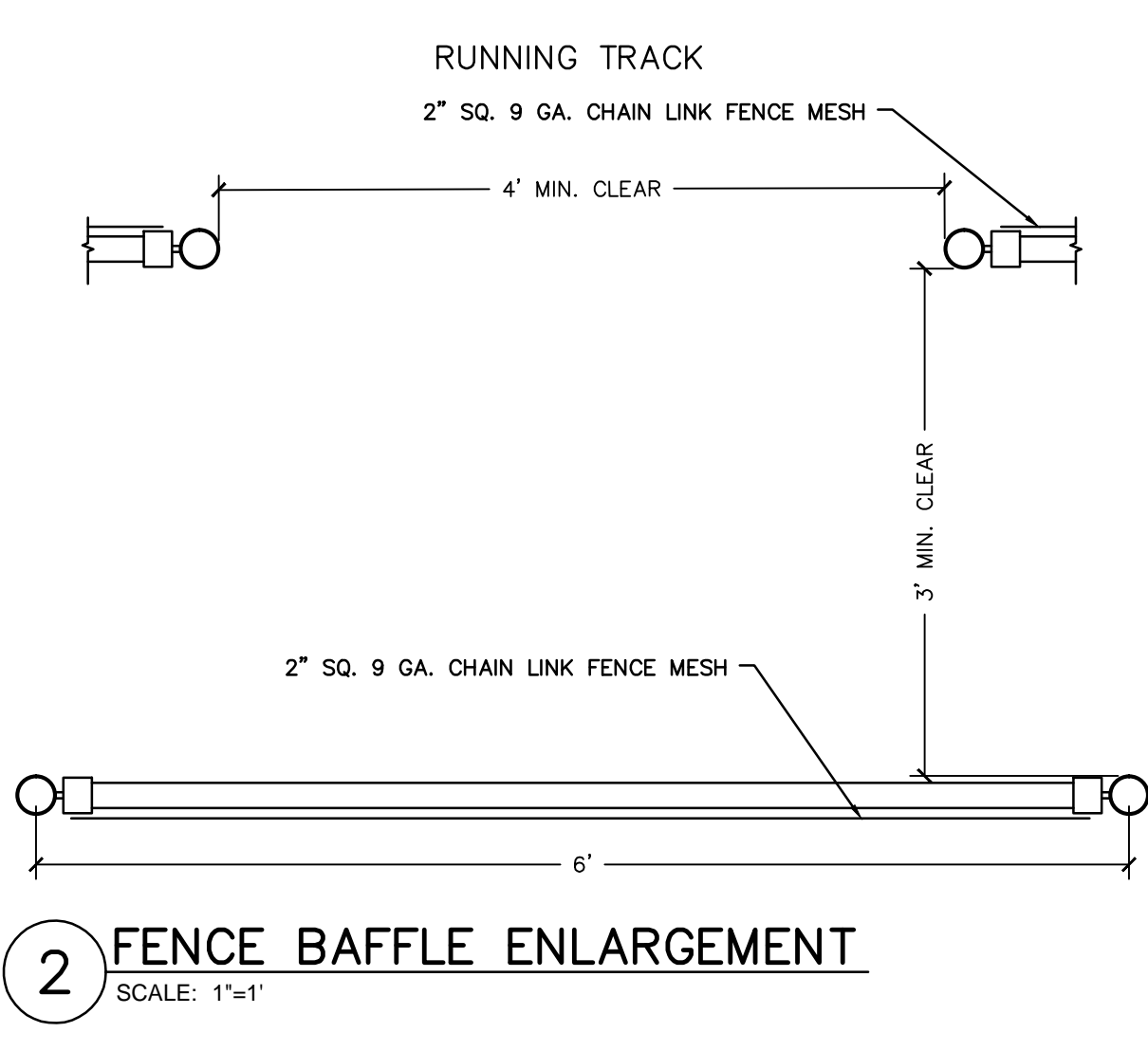
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L-1.2



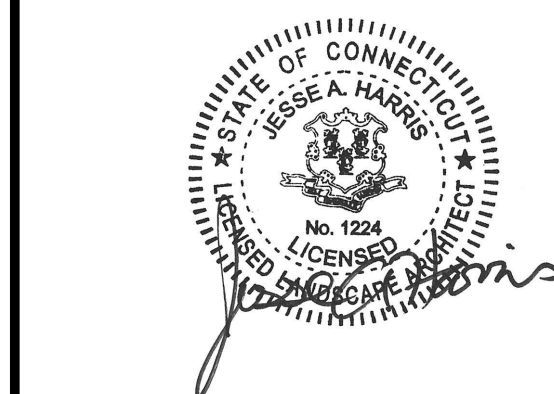


- NOTES:**
1. NOTIFY 'CALL BEFORE YOU DIG' (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
  2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
  3. NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
  4. 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.
  5. THIS DRAWING IS INTENDED TO DEPICT THE LOCATION, LAYOUT, AND MATERIALS OF CONSTRUCTION AND IS INTENDED TO BE USED IN CONJUNCTION WITH APPLICABLE SPECIFICATION SECTIONS.
  6. 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.
  7. UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH FOUR (4) INCHES OF LOAM, SEED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.
  8. ALL CURBING IS BITUMINOUS CONCRETE UNLESS OTHERWISE INDICATED.
  9. THE CROSS-SLOPE OF ANY SIDEWALK, WALKWAY, OR OTHER PEDESTRIAN SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
  10. 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%).
  11. RAMPS SHALL COMPLY WITH CT BUILDING CODE, REF. 2012 IBC SECTION 1010 AND ICC/ANSI A117.1 2009 CHAPTER 4, SECTION 405.
  12. UNLESS OTHERWISE SPECIFIED, CONCRETE USED FOR SIDEWALKS, PADS, STAIRS, LANDINGS, PEDESTRIAN AND VEHICLE RAMPS, CURBING, AND WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,500 PSI.
  13. CONSTRUCTION JOINTS: SIDEWALK REINFORCEMENT SHALL NOT CONTINUE THROUGH CONSTRUCTION JOINTS.
  14. 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.
  15. UNLESS OTHERWISE SPECIFIED, MISCELLANEOUS CONCRETE PADS SHALL BE CONSTRUCTED PER SIDEWALK CROSS-SECTION DETAIL TO THE SIZE INDICATED.



**ISSUED FOR CONSTRUCTION**

USER RESPONSIBLE FOR VERIFYING THAT CONTENT OF THIS PLAN HAS NOT BEEN FURTHER REVISED



JESSE A. HARRIS, PLA No. 1224

# ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT  
MATERIALS PLAN

APRIL 8, 2019

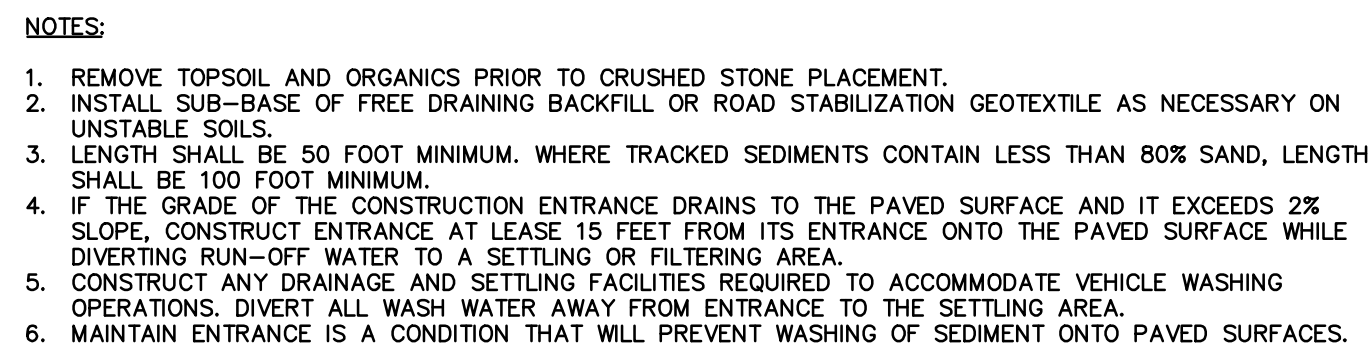
REVISIONS:


PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

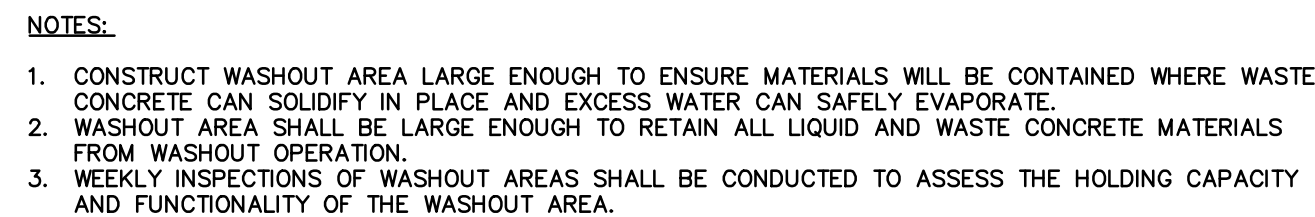
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SCALE: 1" = 30'  
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DWG. NO:  
JOB. NO: 83572.02  
**L-2.0**

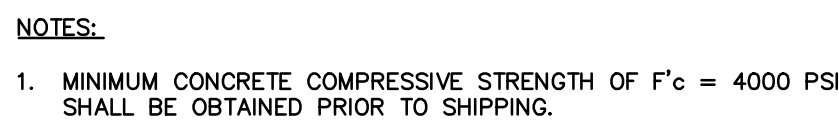




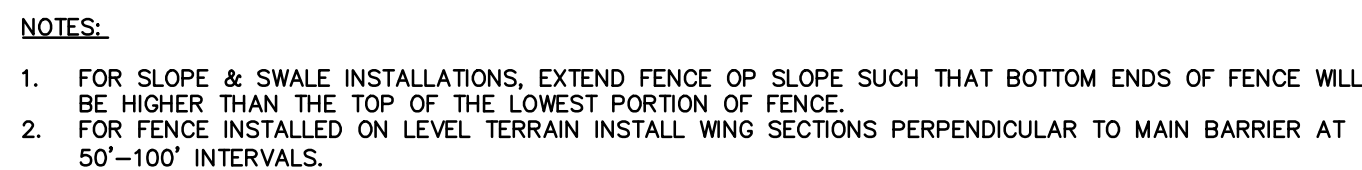
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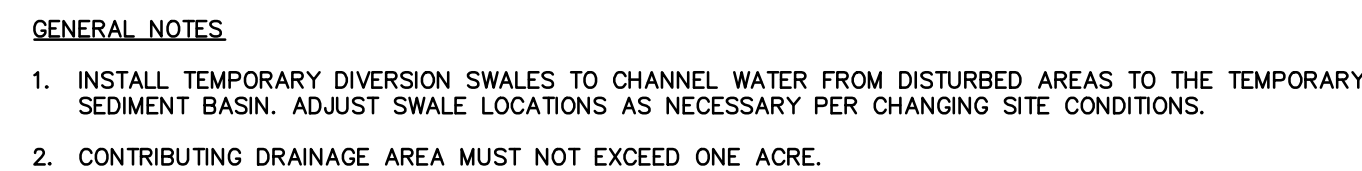
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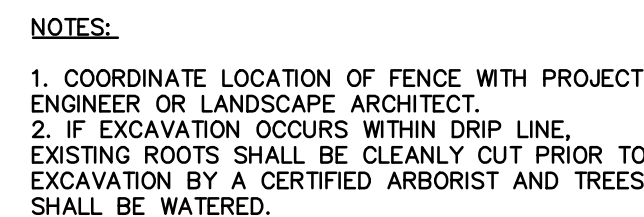
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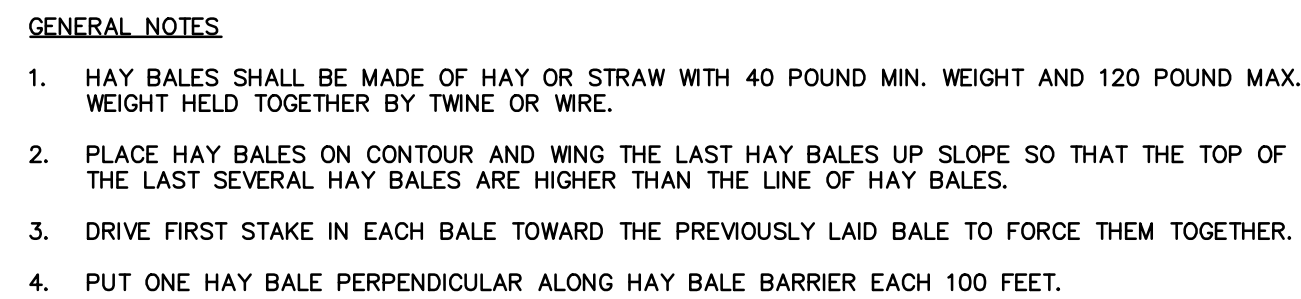
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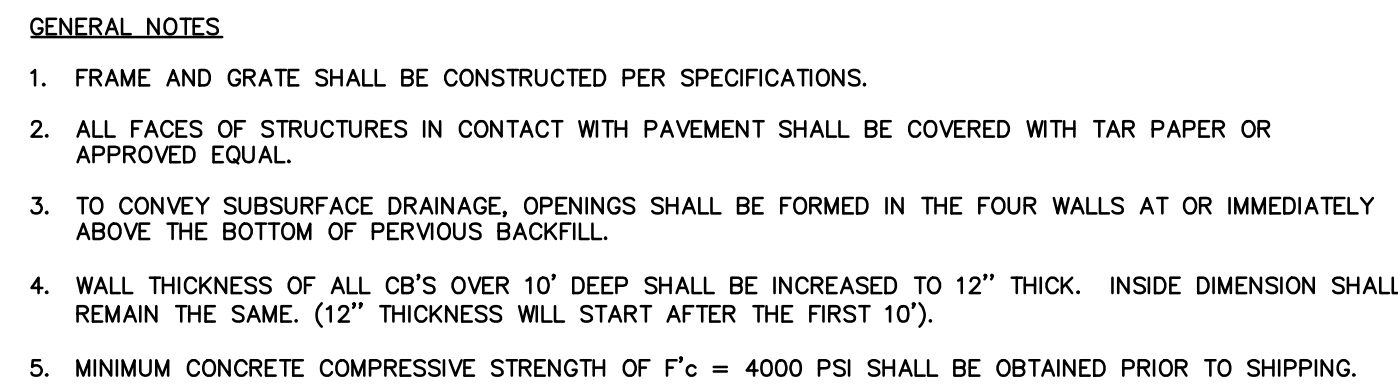
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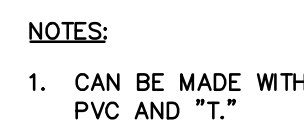
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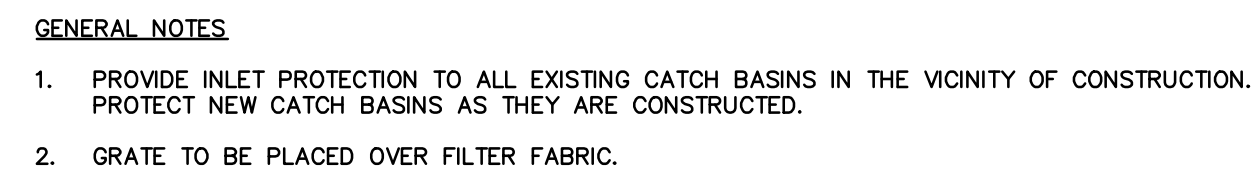
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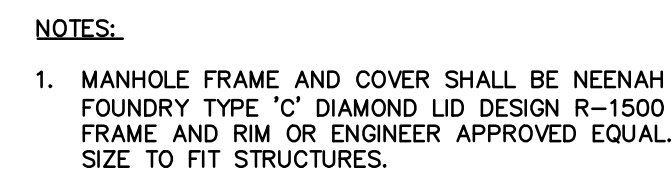
## SCALE: NONE



## SCALE: NONE



## SCALE: NONE



## SCALE: NONE

## DETAILS

APRIL 8, 2019

**REVISIONS:**

PREPARED FOR:  
TOWN OF AVON  
WEST MAIN STREET  
AVON, CT 06001

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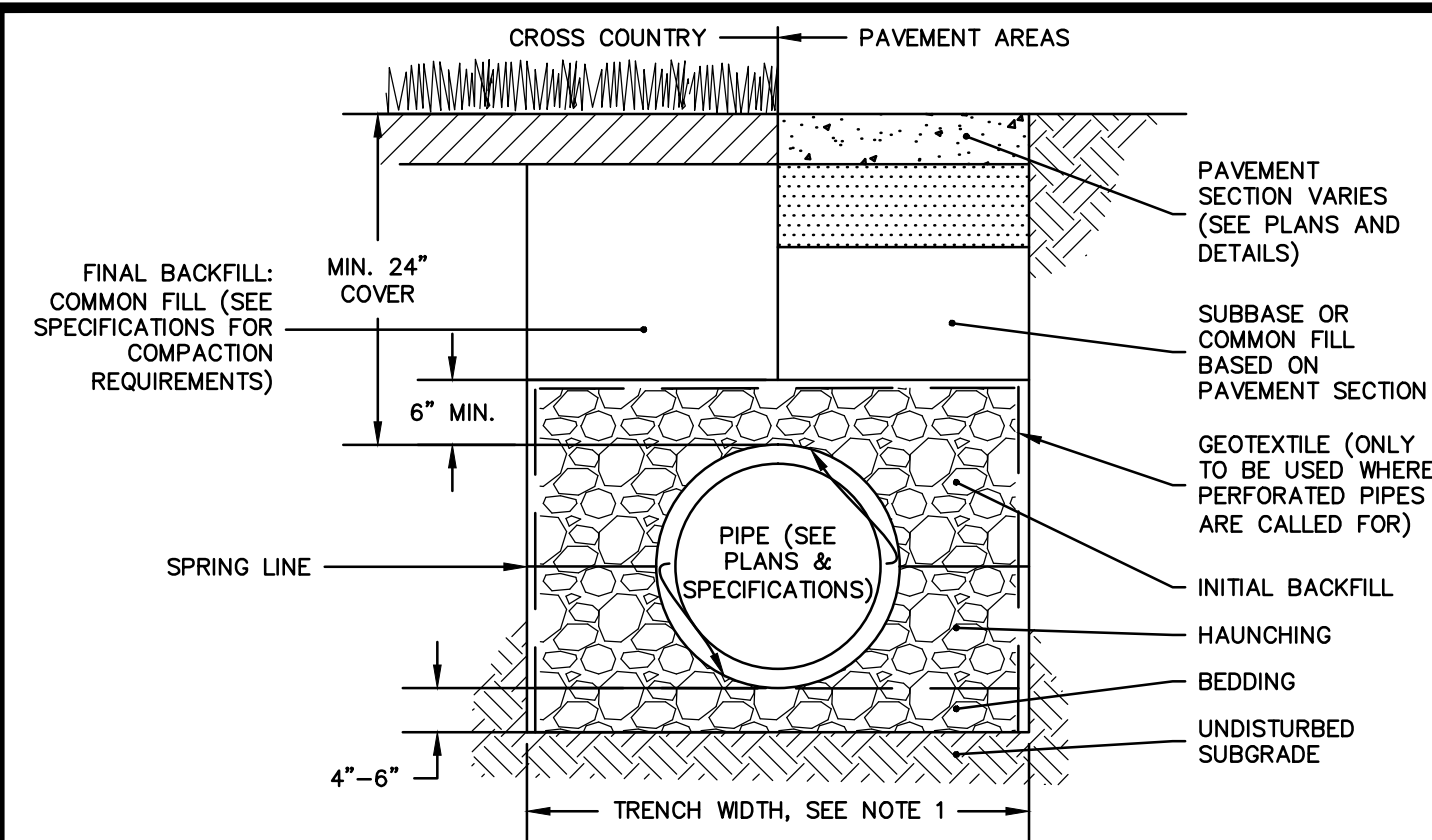
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FILE: 8357202 - DET.DWG	
DWG. NO:	L-3.0
JOB. NO: 83572.02	

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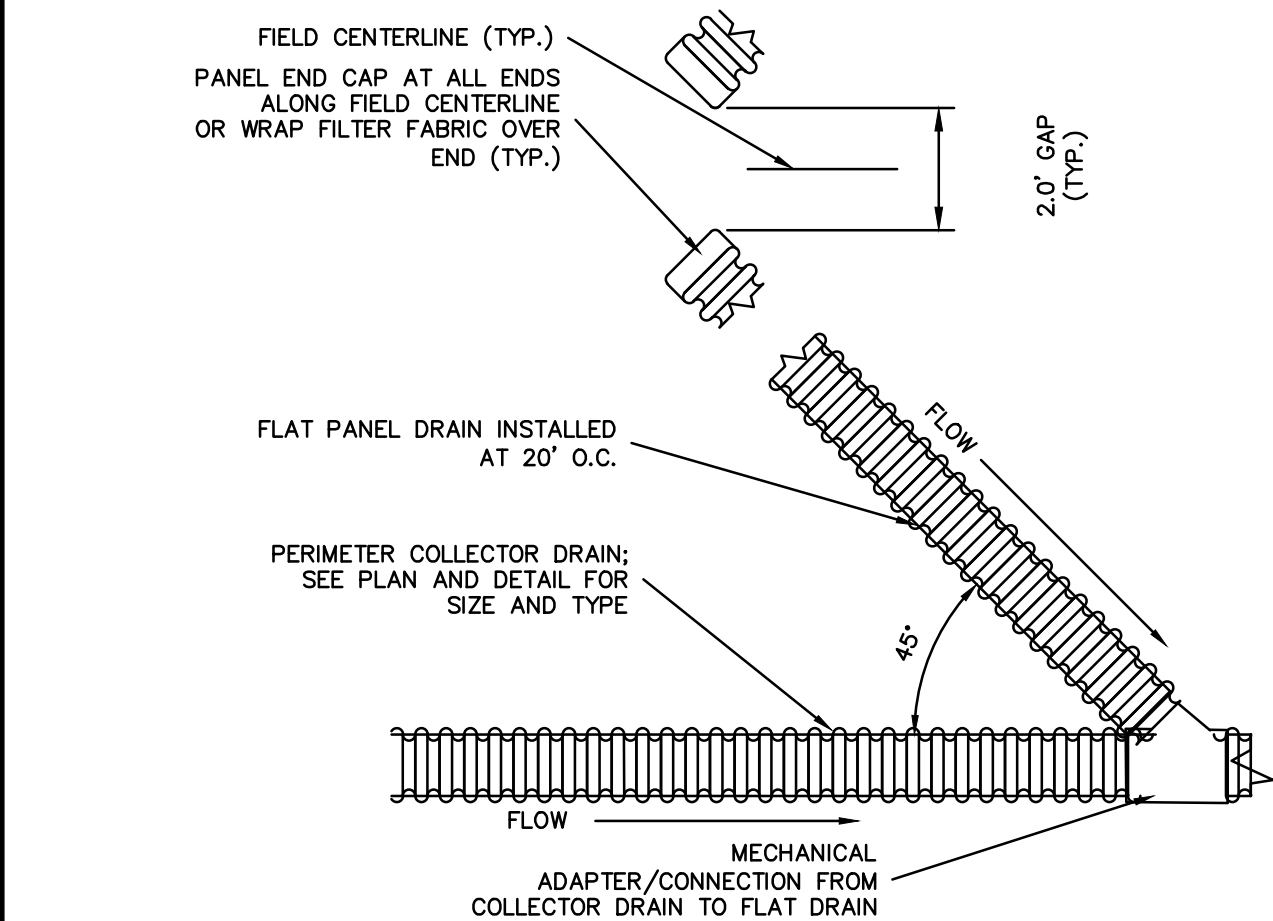
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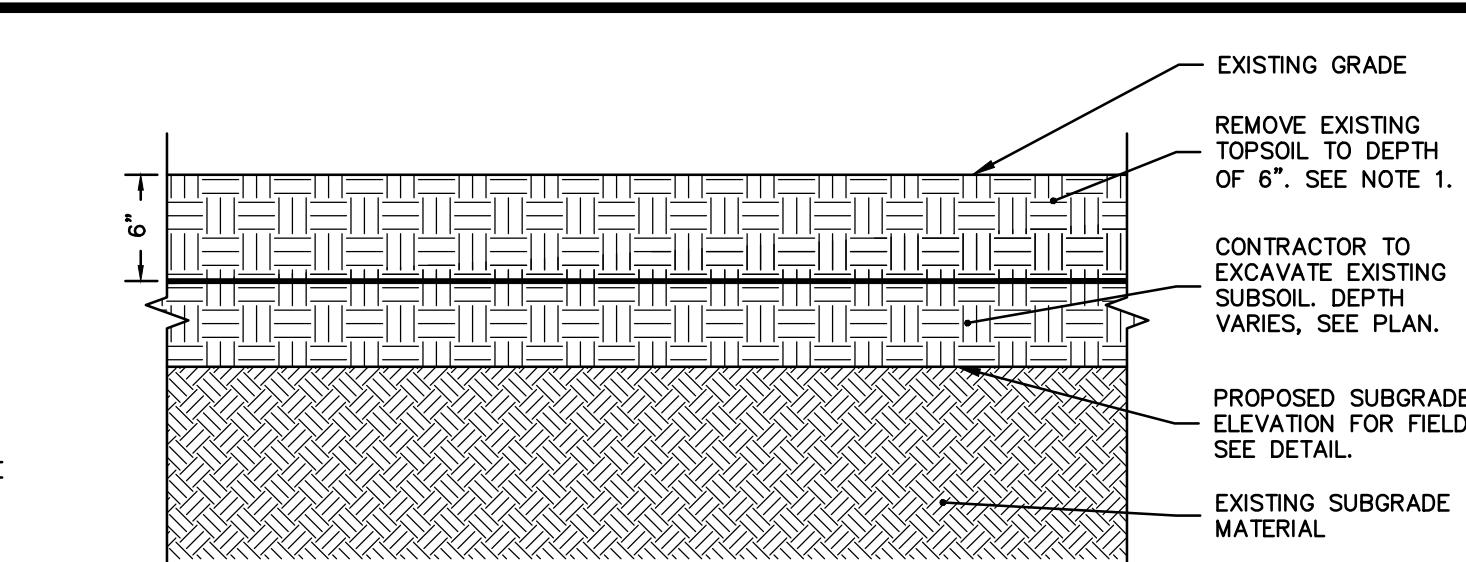


- NOTES:**
- WHERE TRENCH WALLS ARE STABLE OR SUPPORTED, PROVIDE A WIDTH SUFFICIENT, BUT NO GREATER THAN NECESSARY, TO ENSURE WORKING ROOM TO PROPERLY PLACE AND COMPACT HAUNCHING AND OTHER EMBEDMENT MATERIALS, UNLESS OTHERWISE SPECIFIED BY THE PIPE MANUFACTURER, THE SPACE BETWEEN THE PIPE AND TRENCH WALL MUST BE WIDER THAN THE COMPACTION EQUIPMENT USED IN THE PIPE ZONE. MINIMUM WIDTH SHALL BE NOT LESS THAN THE GREATER OF EITHER THE PIPE OUTSIDE DIAMETER PLUS 16 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25, PLUS 12 INCHES.
  - WHERE PERFORATED PIPES ARE CALLED-FOR, BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE CONNDOT NO. 6 CRUSHED STONE SHALL MEET THE REQUIREMENTS OF FORM 816 M.O.B.
  - WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL PER THE SPECIFICATIONS. AS AN ALTERNATIVE, AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL UNDER SOME CIRCUMSTANCES.
  - BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE CONNDOT NO. 6, NO. 67, OR NO. 8 AGGREGATE OR OTHER MATERIALS MEETING THE REQUIREMENTS OF ASTM D2321 FOR CLASS 1A, 1B, 1I, OR 1J UNLESS OTHERWISE INDICATED BY THE PIPE MANUFACTURER.

**1 TYPICAL TRENCH SECTION - THERMOPLASTIC DRAINAGE PIPE**  
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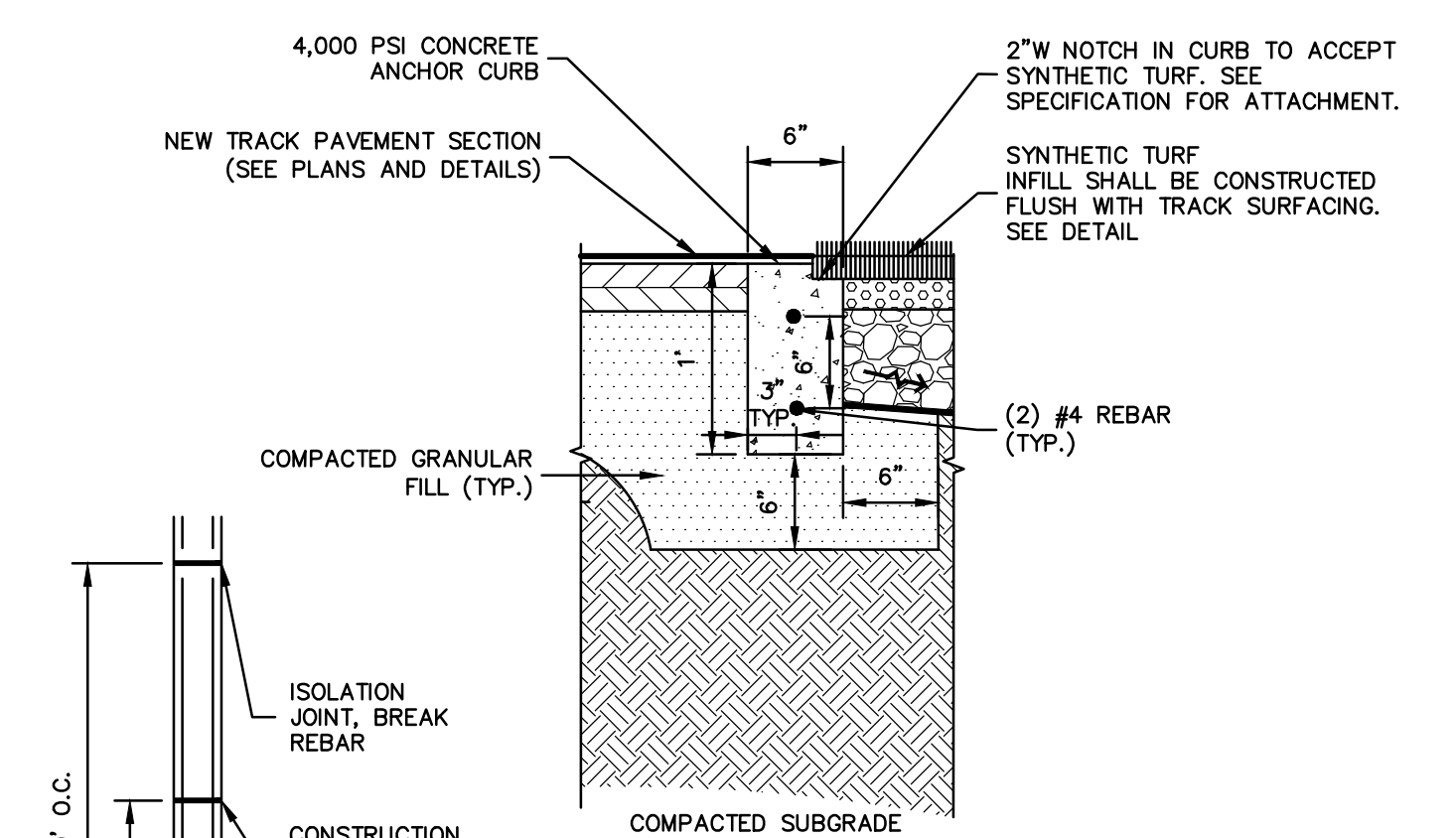


**7 FLAT PANEL AND COLLECTOR DRAIN CONNECTION**  
SCALE: NONE



- NOTES:**
- TOPSOIL REMOVED FROM THE FIELD MAY BE USED FOR THE RESTORATION OF OTHER PROJECT AREAS WITH APPROVAL OF THE ENGINEER. THE TOWN SHALL RETAIN OWNERSHIP OF ALL EXCESS TOPSOIL NOT USED ON THE PROJECT. ALL EXCESS TOPSOIL SHALL BE TRANSPORTED TO THE FOLLOWING OFF-SITE LOCATION: 281 HUCKLEBERRY HILL ROAD, AVON, CONNECTICUT, AND DEPOSITED AT THE SPECIFIC LOCATION DIRECTED BY THE TOWN OF AVON UNDER BID ITEM #1. 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 OFF-SITE LOCATION UNDER BID ITEM #6. DO NOT MIX SUBSOIL WITH TOPSOIL. MIXED SOIL SHALL BE CONSIDERED SUBSOIL AND SHALL BE REMOVED FROM THE SITE. EXCESSIVE MIXING OF TOPSOIL AND SUBSOIL SHALL BE CONSIDERED DAMAGE TO EXISTING CONDITIONS, FOR WHICH CONTRACTOR SHALL BE RESPONSIBLE FOR COMPENSATING OWNER.
  - ALL OTHER EXCESS SOIL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.

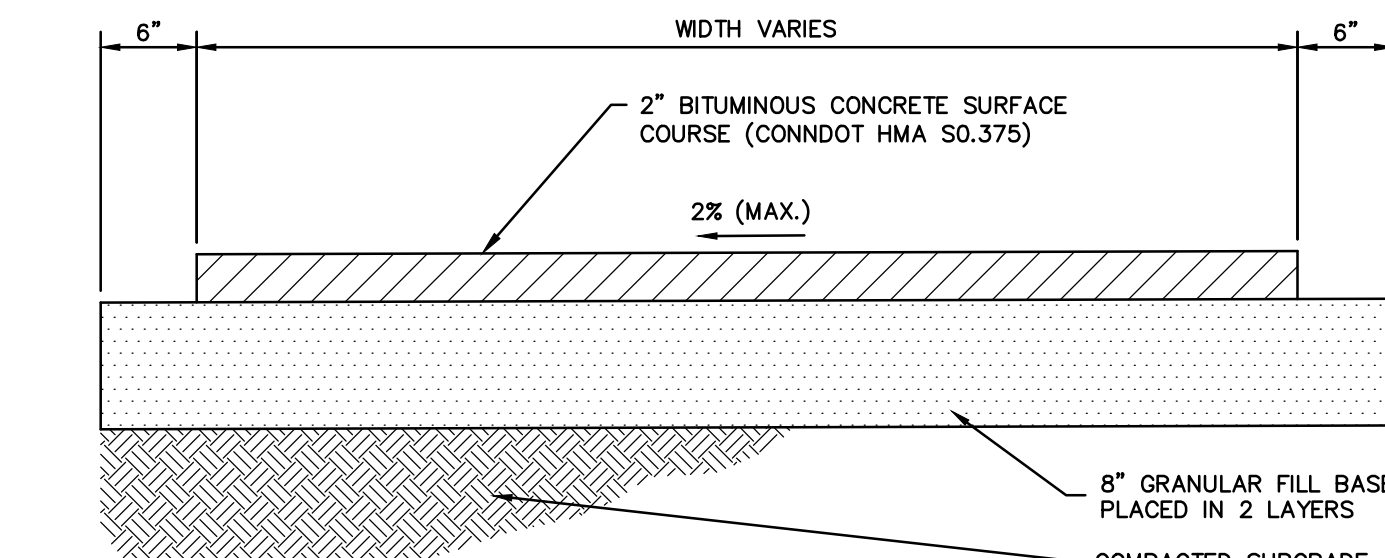
**2 TYPICAL FIELD EXCAVATION**  
SCALE: NONE



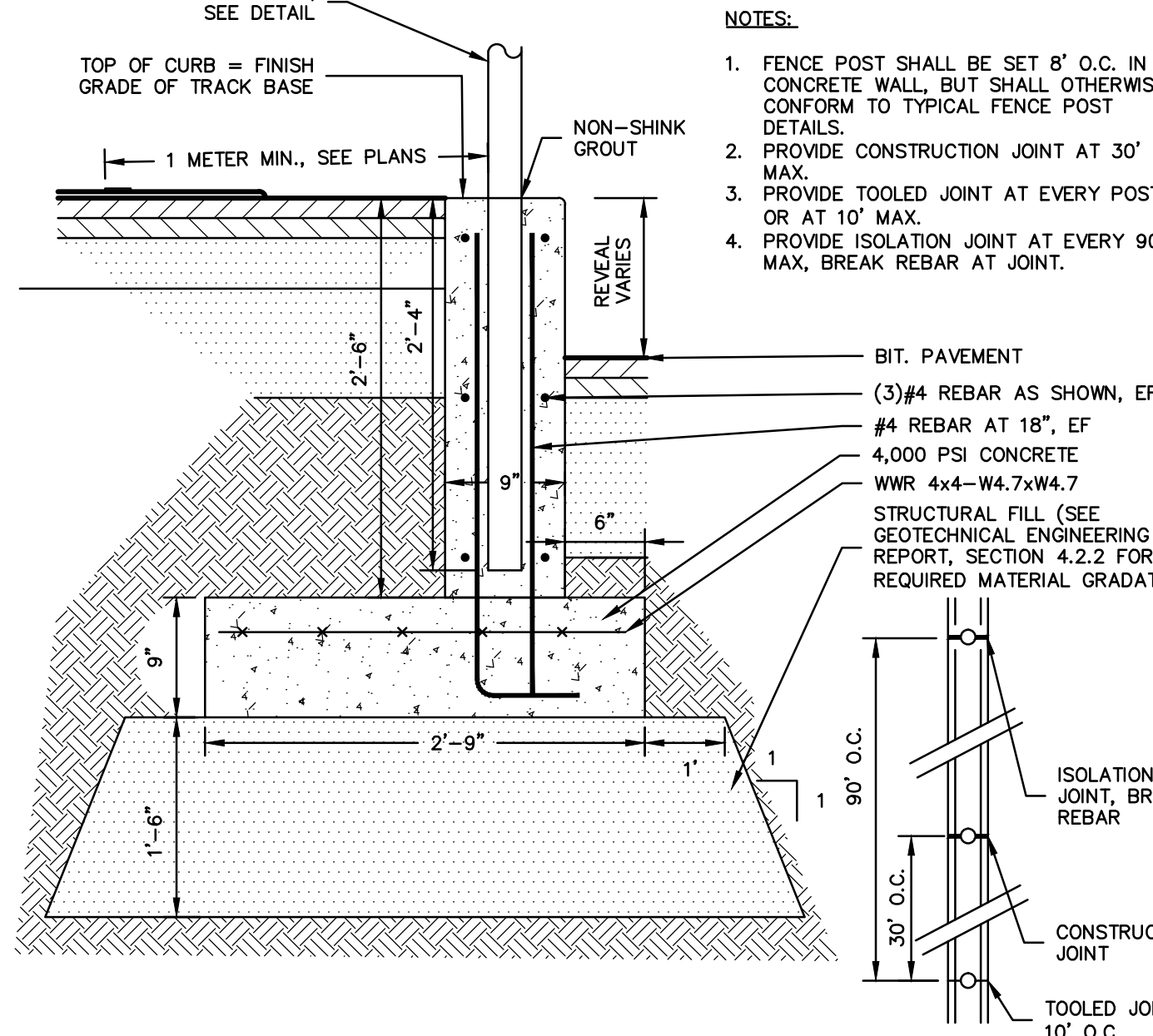
- NOTES:**
- PROVIDE CONSTRUCTION JOINT AT 30' MAX.
  - PROVIDE TOOLED JOINT AT 10' MAX.
  - PROVIDE ISOLATION JOINT AT EVERY 90' MAX, BREAK REBAR AT JOINT.

**8 CONCRETE ANCHOR CURB AT NEW TRACK**  
SCALE: NONE

**3 BITUMINOUS CONCRETE PAVEMENT**  
SCALE: NONE

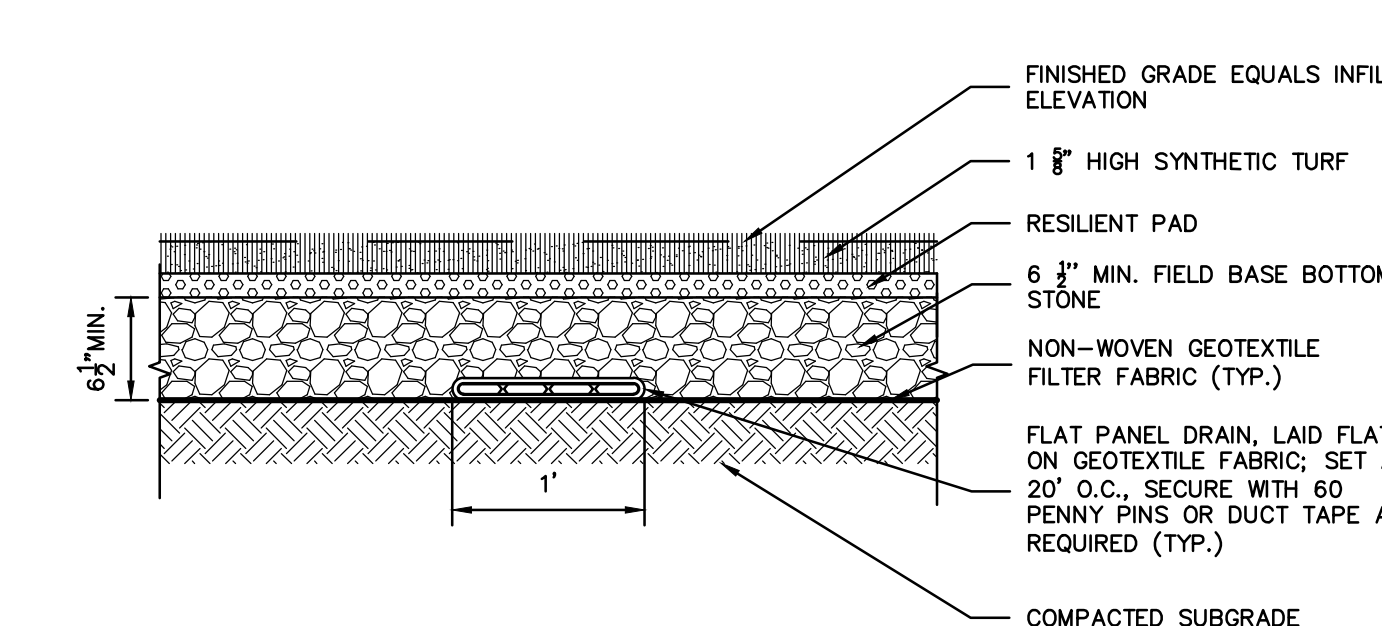


**4 BITUMINOUS CONCRETE SIDEWALK**  
SCALE: NONE

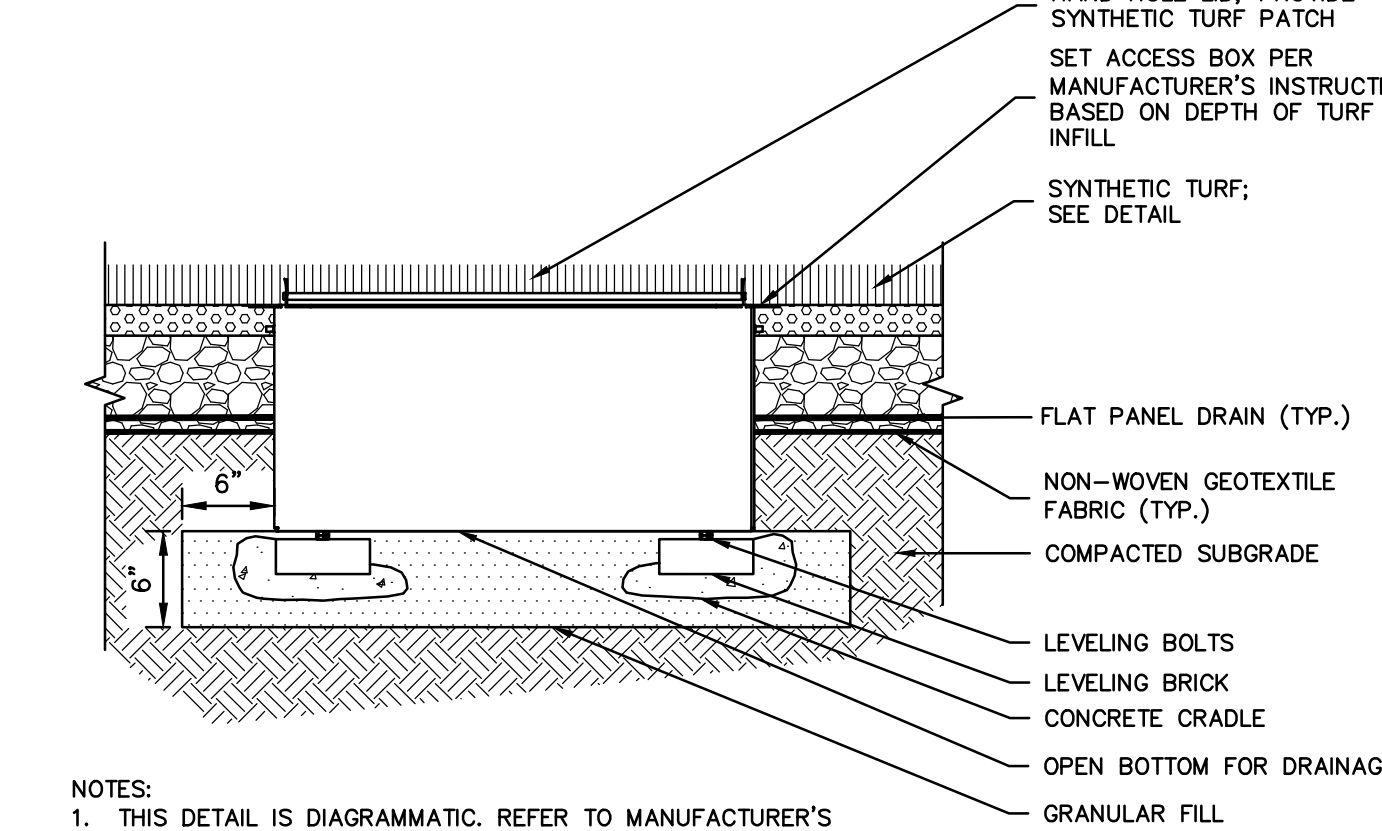


**9 CONCRETE WALL AT EXISTING BLEACHERS**  
SCALE: NONE

**5 NEW TRACK PAVEMENT SECTION**  
SCALE: NONE

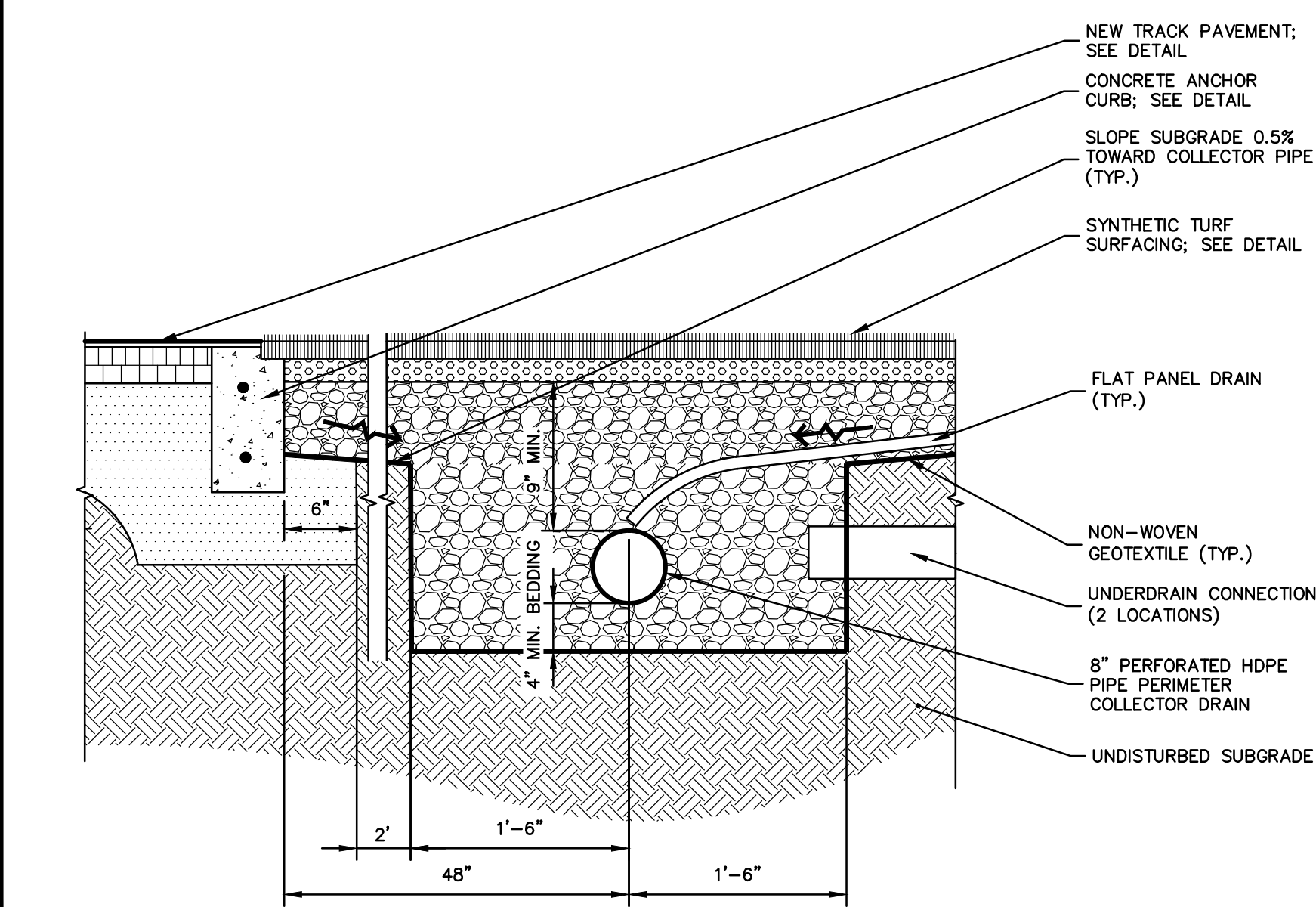


**6 SYNTHETIC TURF**  
SCALE: NONE

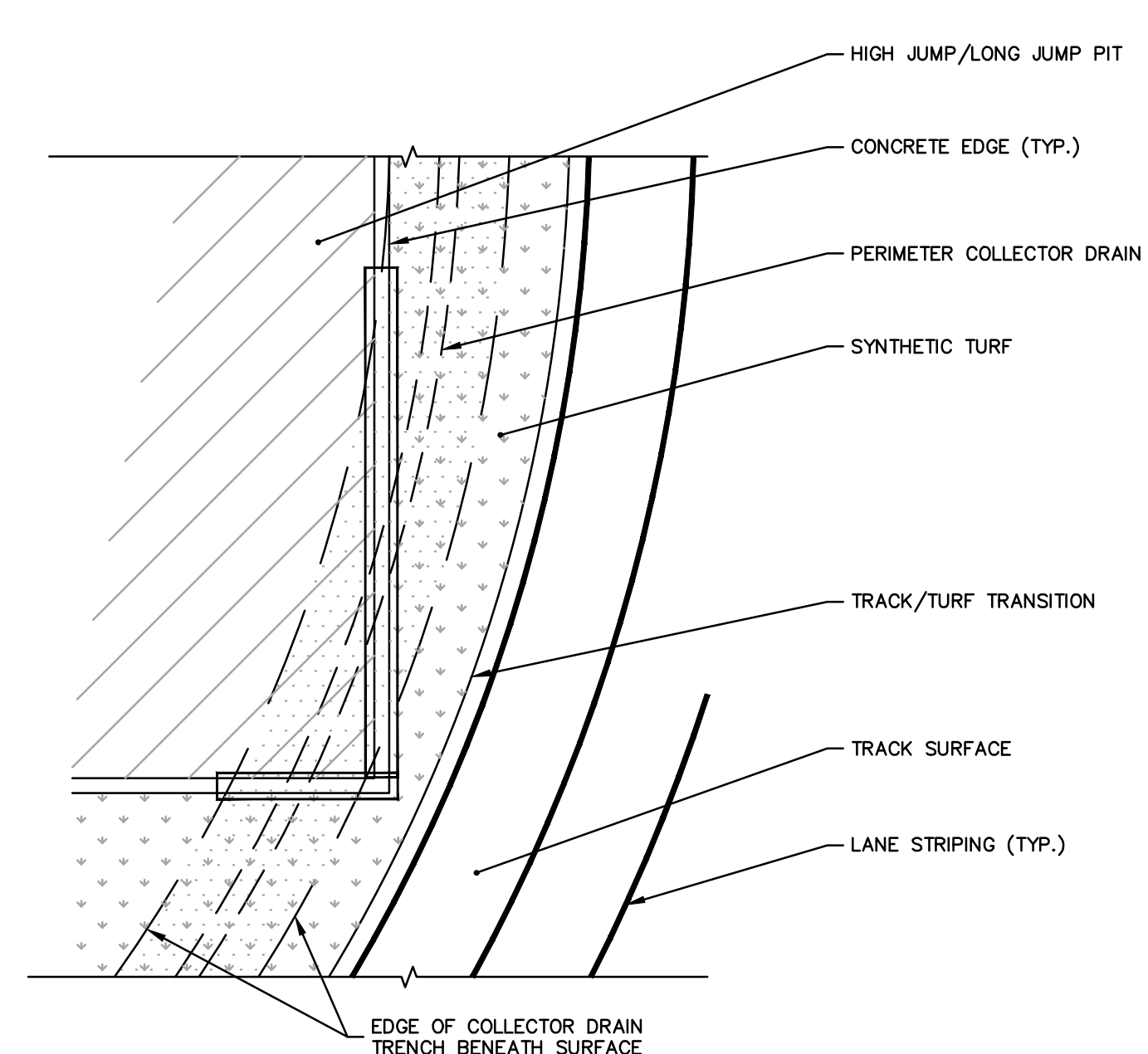


- NOTES:**
- THIS DETAIL IS DIAGRAMMATIC. REFER TO MANUFACTURER'S SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.
  - HANDHOLE FOR ELECTRICAL SERVICE: CB11815 COMBOX AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, INC., 41155 STATE HIGHWAY 10, PO BOX 231, DELHI, NY OR APPROVED EQUAL.
  - HANDHOLE FOR COMBINED SCOREBOARD CONTROL AND ELECTRICAL SERVICE: CBNG1830 COMBOX AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, INC., 41155 STATE HIGHWAY 10, PO BOX 231, DELHI, NY OR APPROVED EQUAL.
  - HANDHOLE FOR WATER SERVICE: TURFCOOL QUICK CONNECT VALVE/GATE BOX, TOTOOV 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.

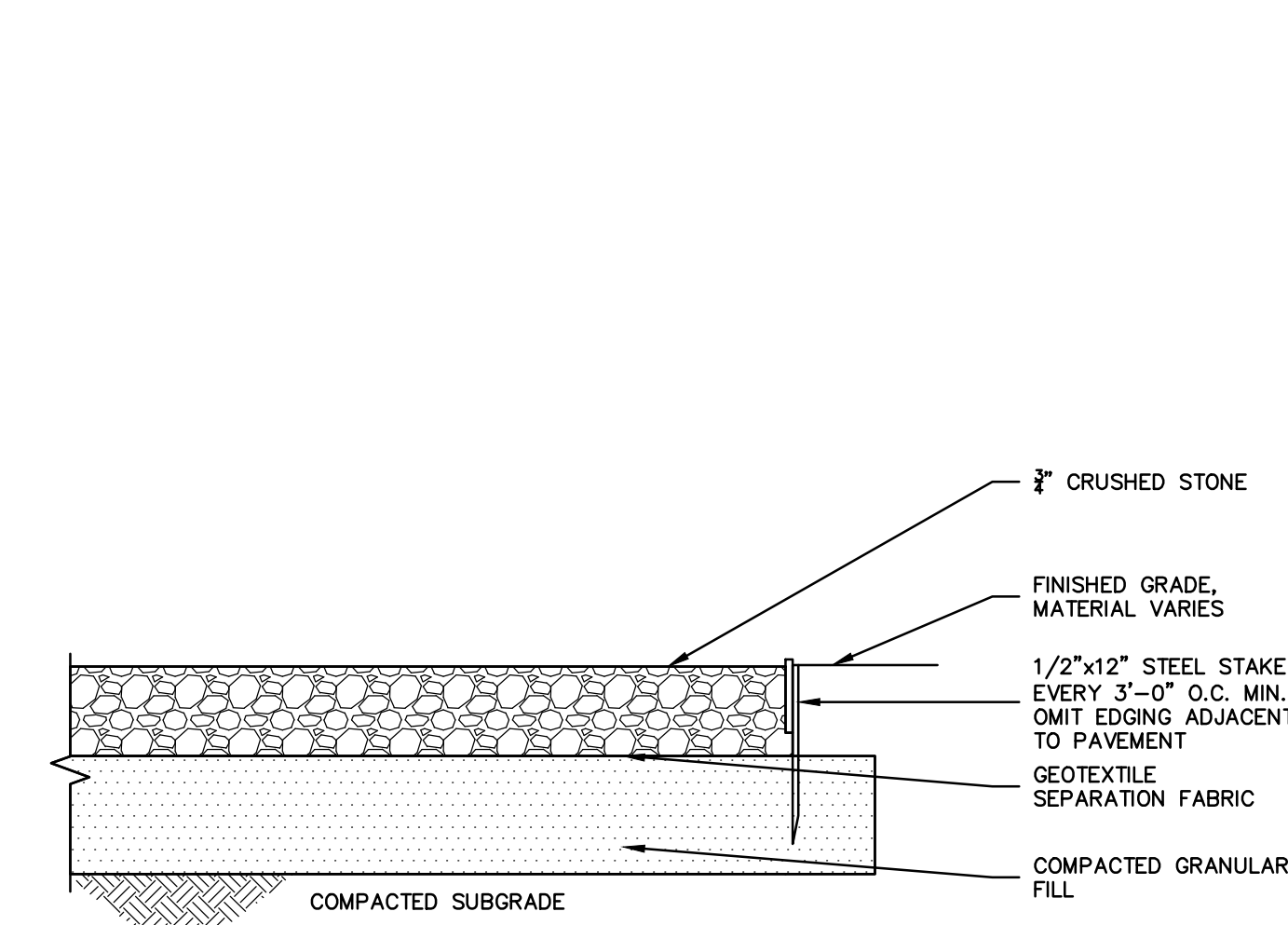
**10 HANDHOLE IN SYNTHETIC TURF**  
SCALE: NONE



**11 PERIMETER COLLECTOR DRAIN**  
SCALE: NONE



**12 CONCRETE EDGE/COLLECTOR DRAIN CROSSING**  
SCALE: NONE



**13 CRUSHED STONE PAD**  
SCALE: NONE

**ISSUED FOR CONSTRUCTION**

USER RESPONSIBLE FOR VERIFYING THAT CONTENT OF THIS PLAN HAS NOT BEEN FURTHER REVISED



JESSE A. HARRIS, PLA No. 1224

# ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD

IN  
AVON  
CONNECTICUT

DETAILS

APRIL 8, 2019

REVISIONS:

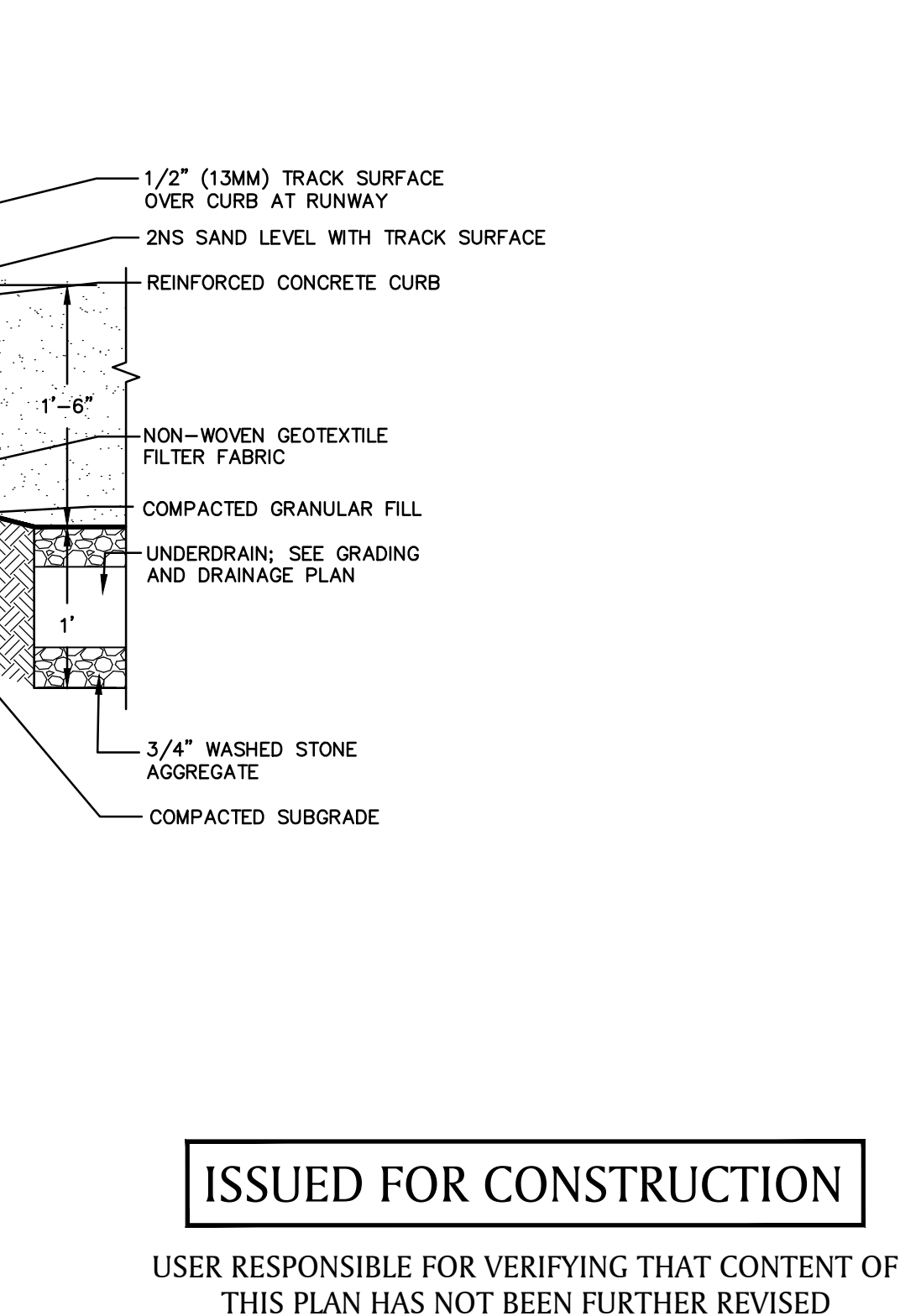
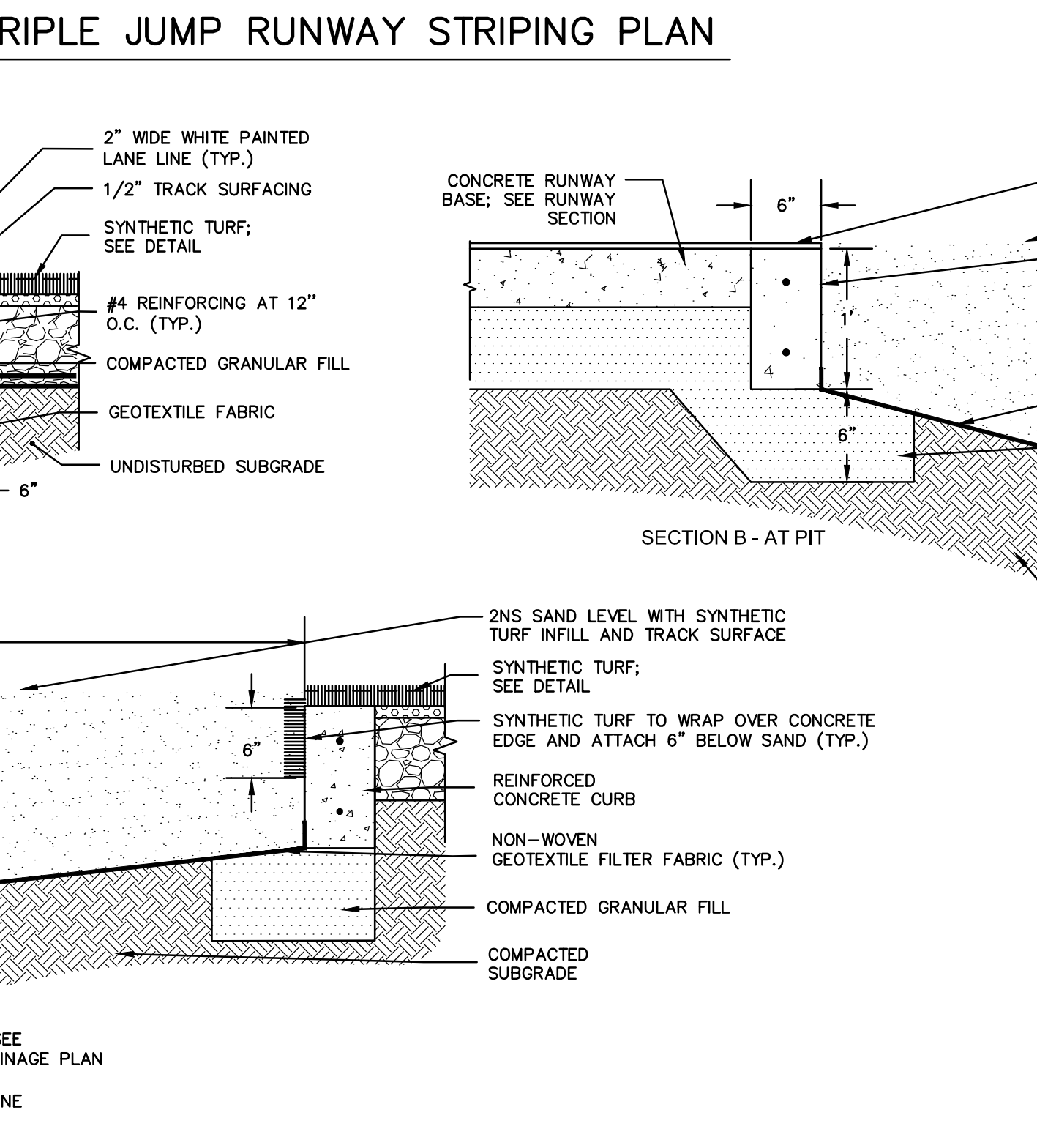
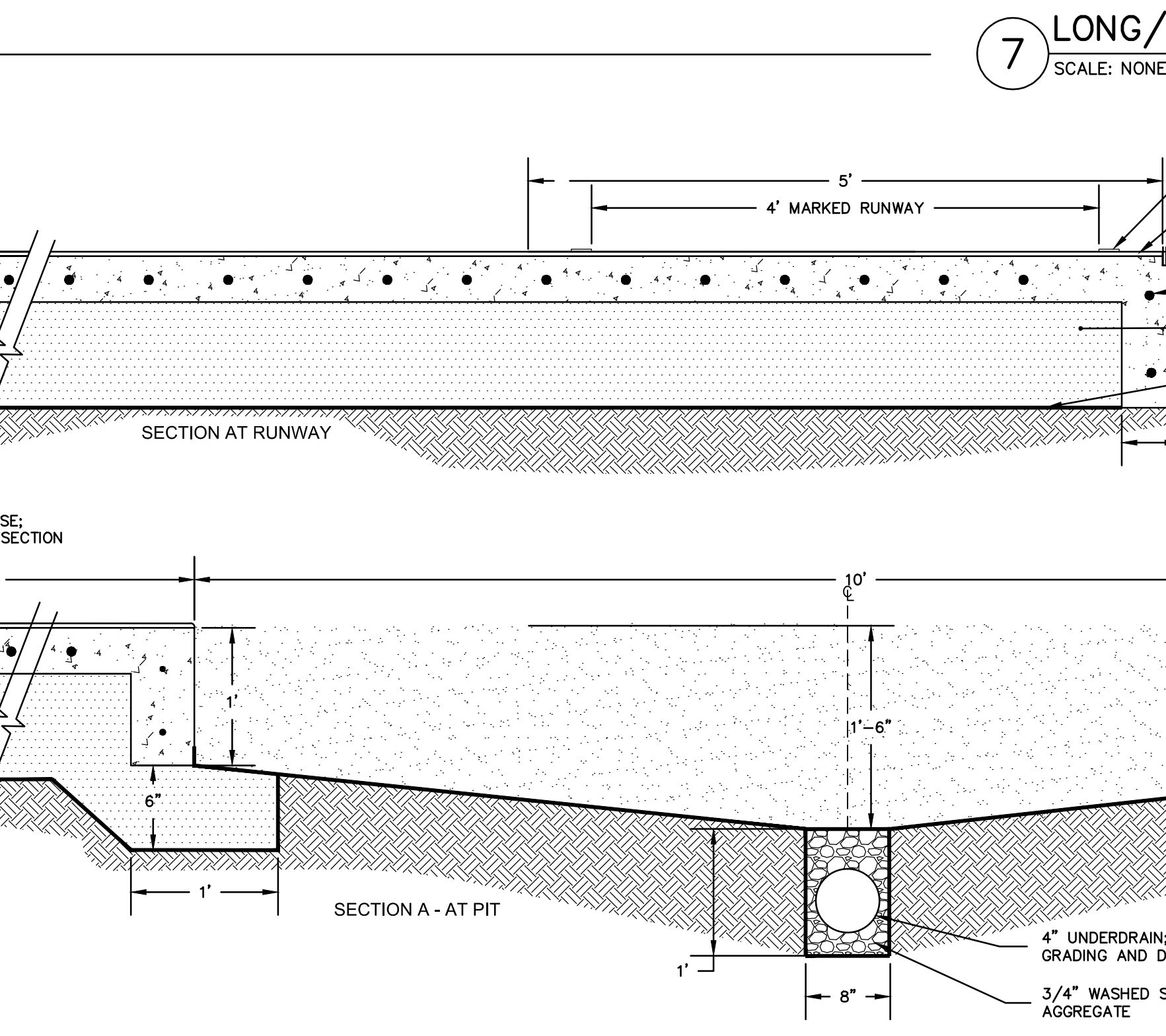
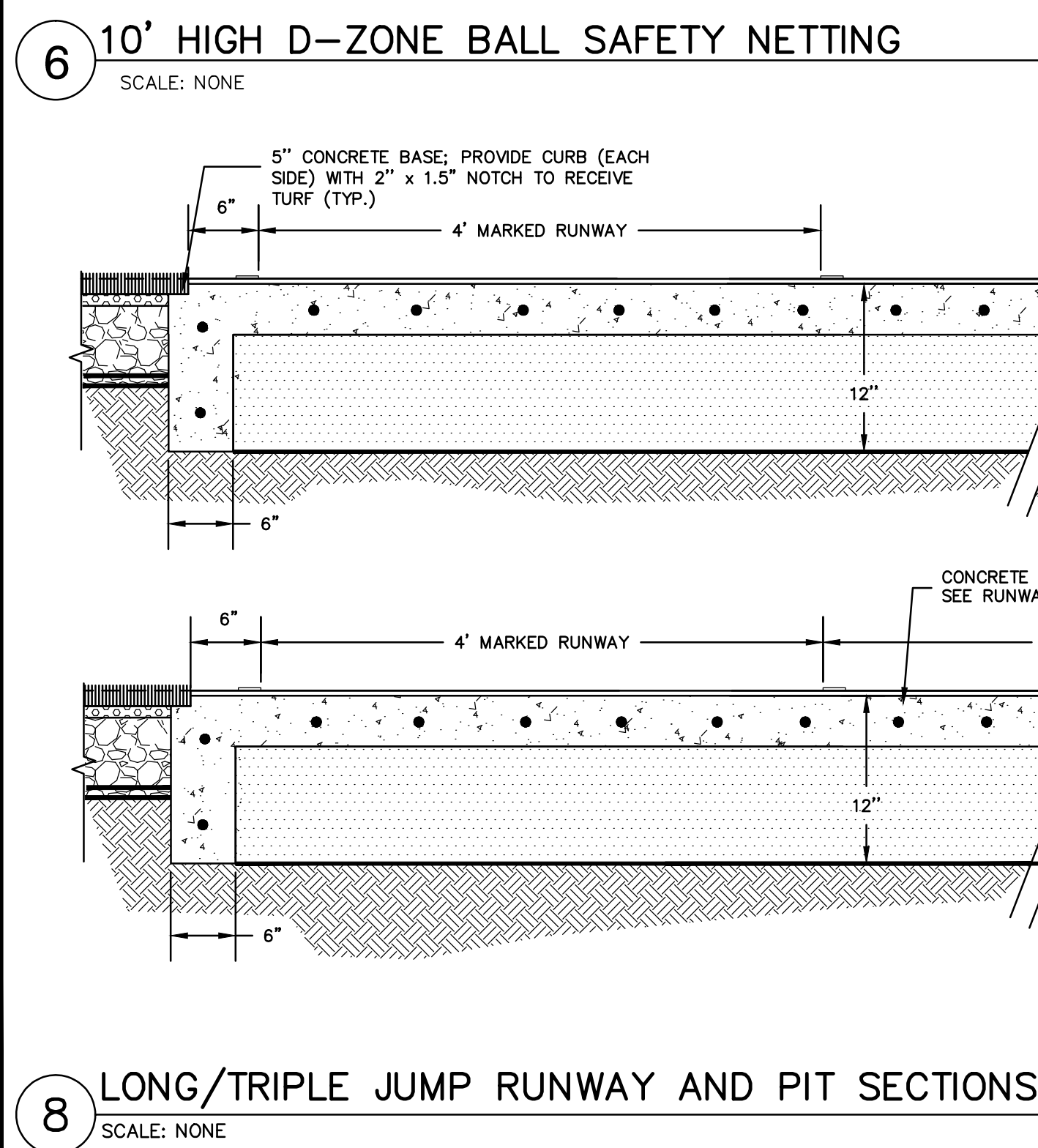
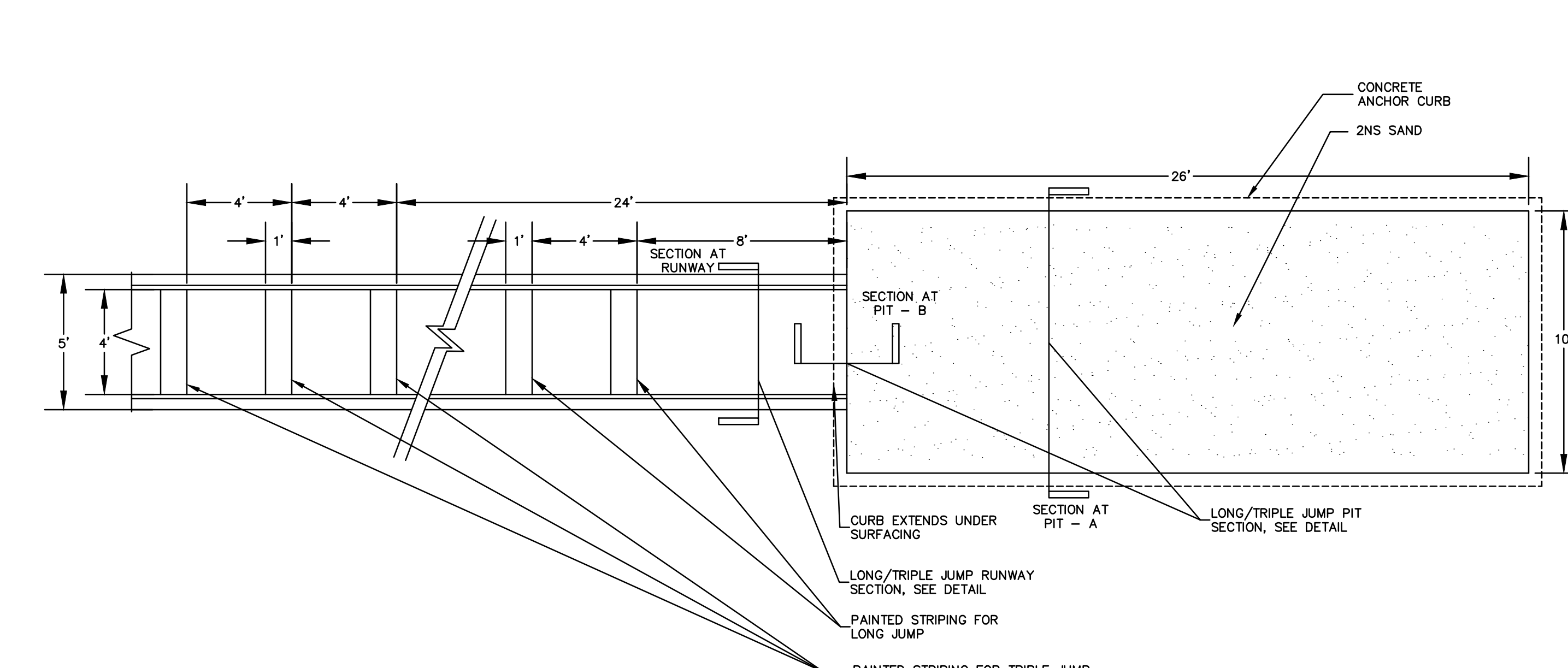
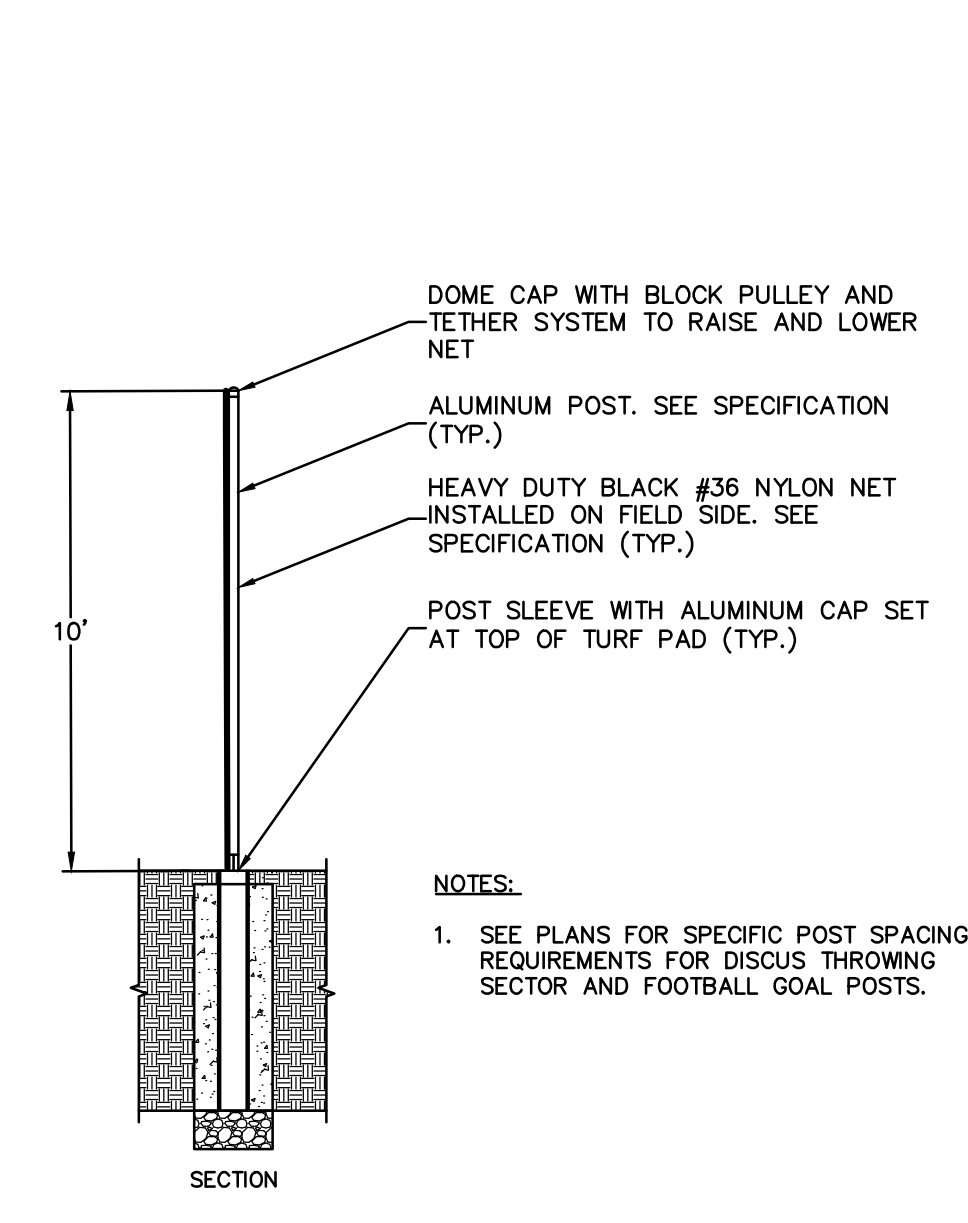
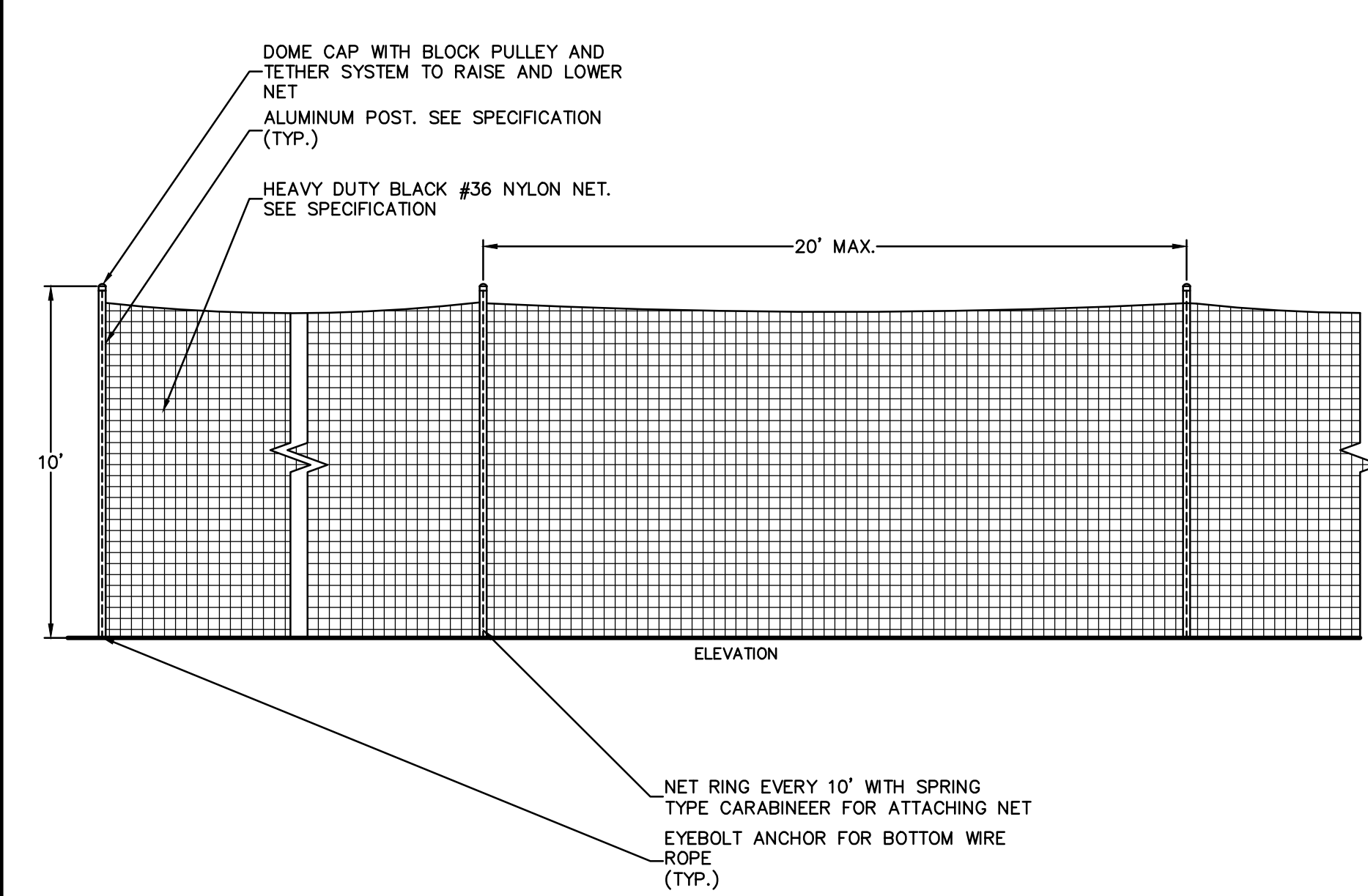
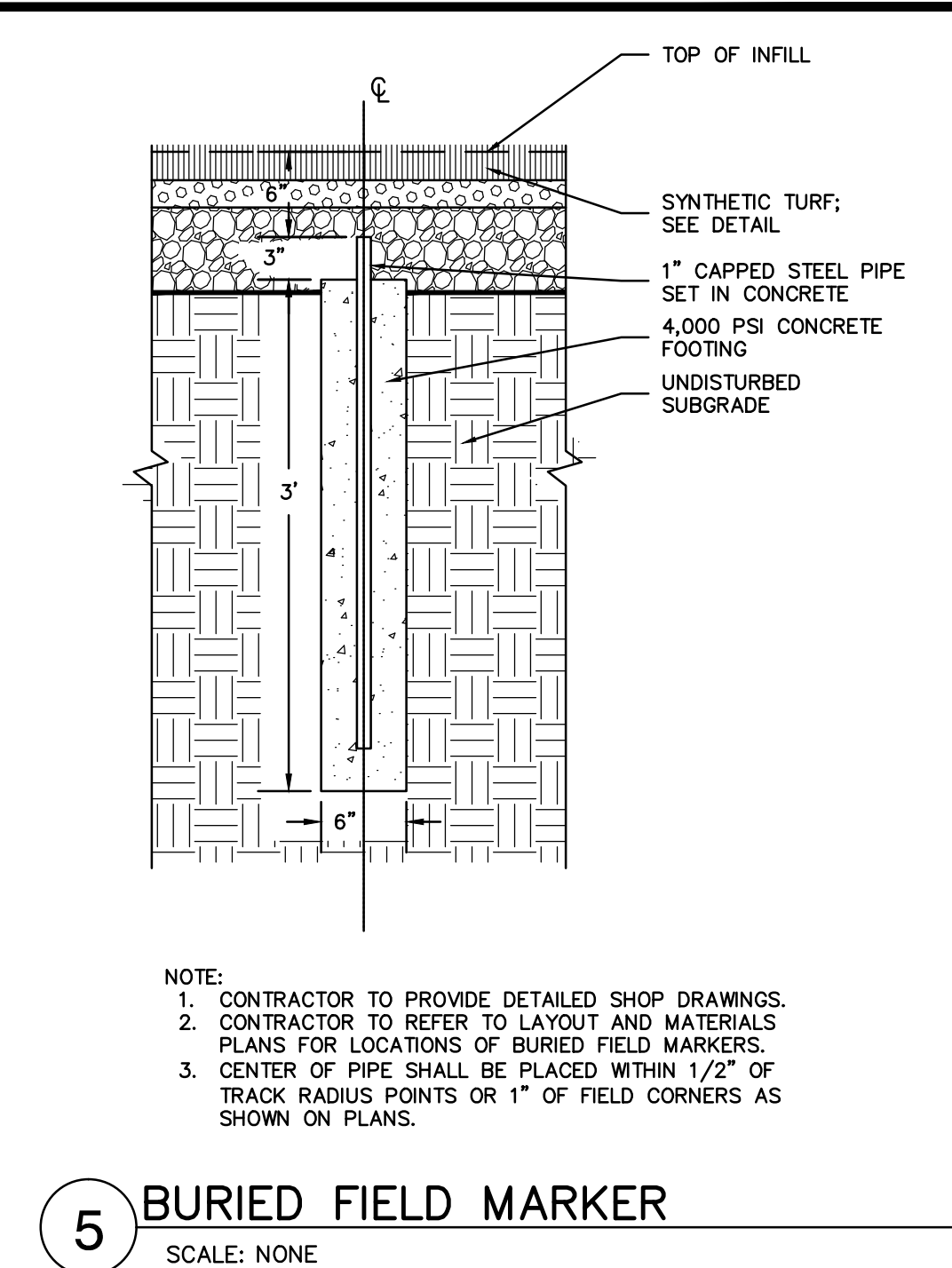
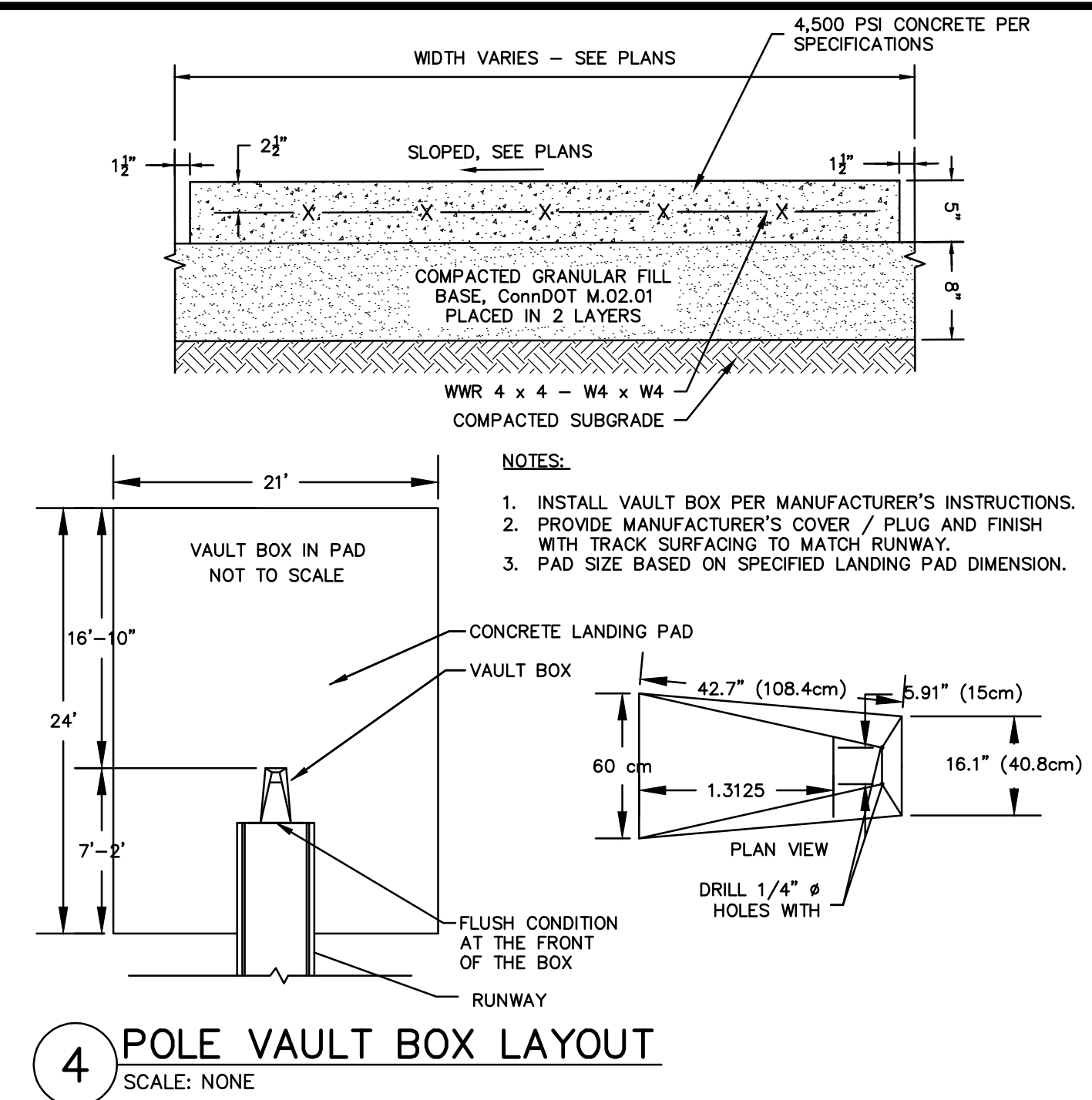
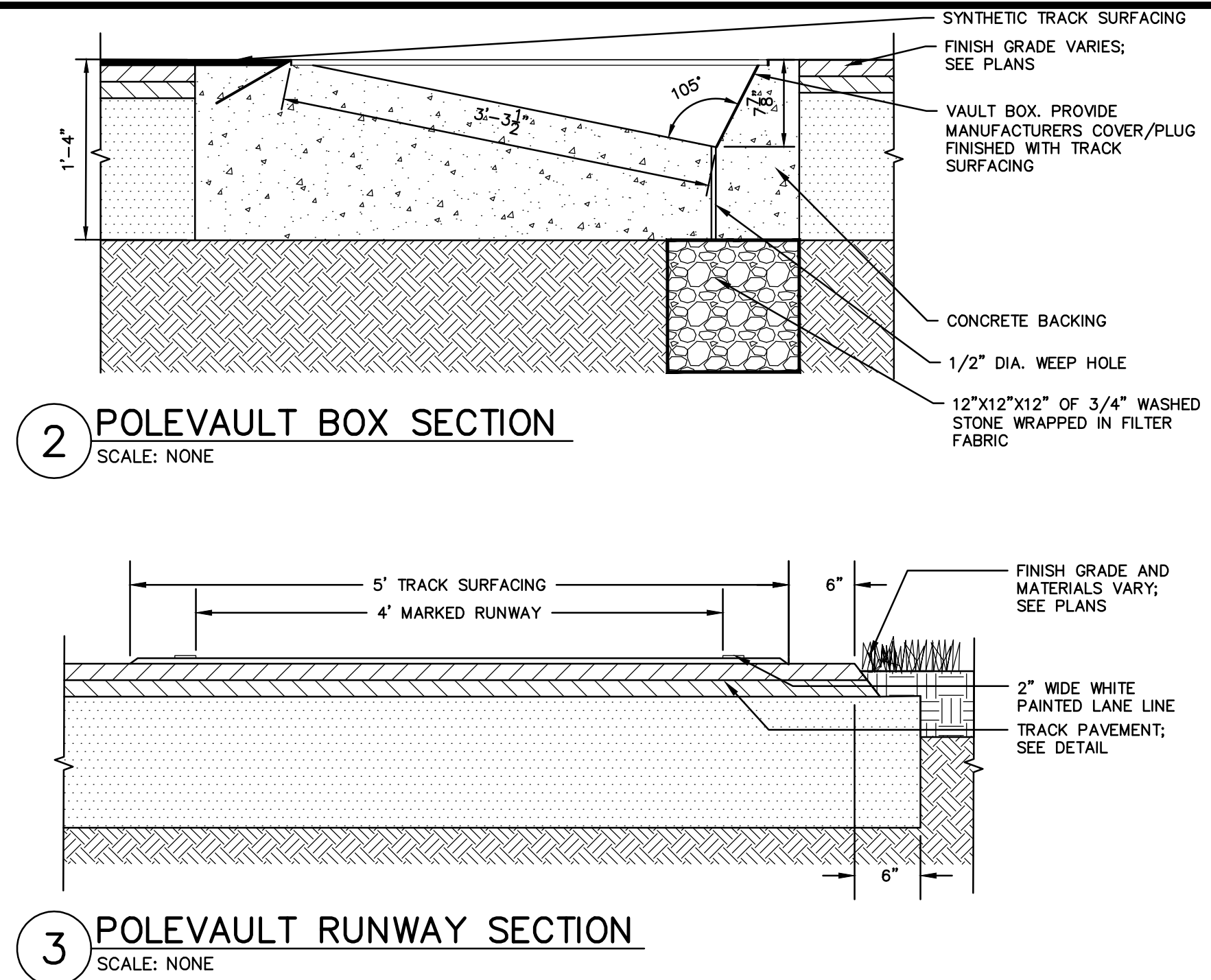
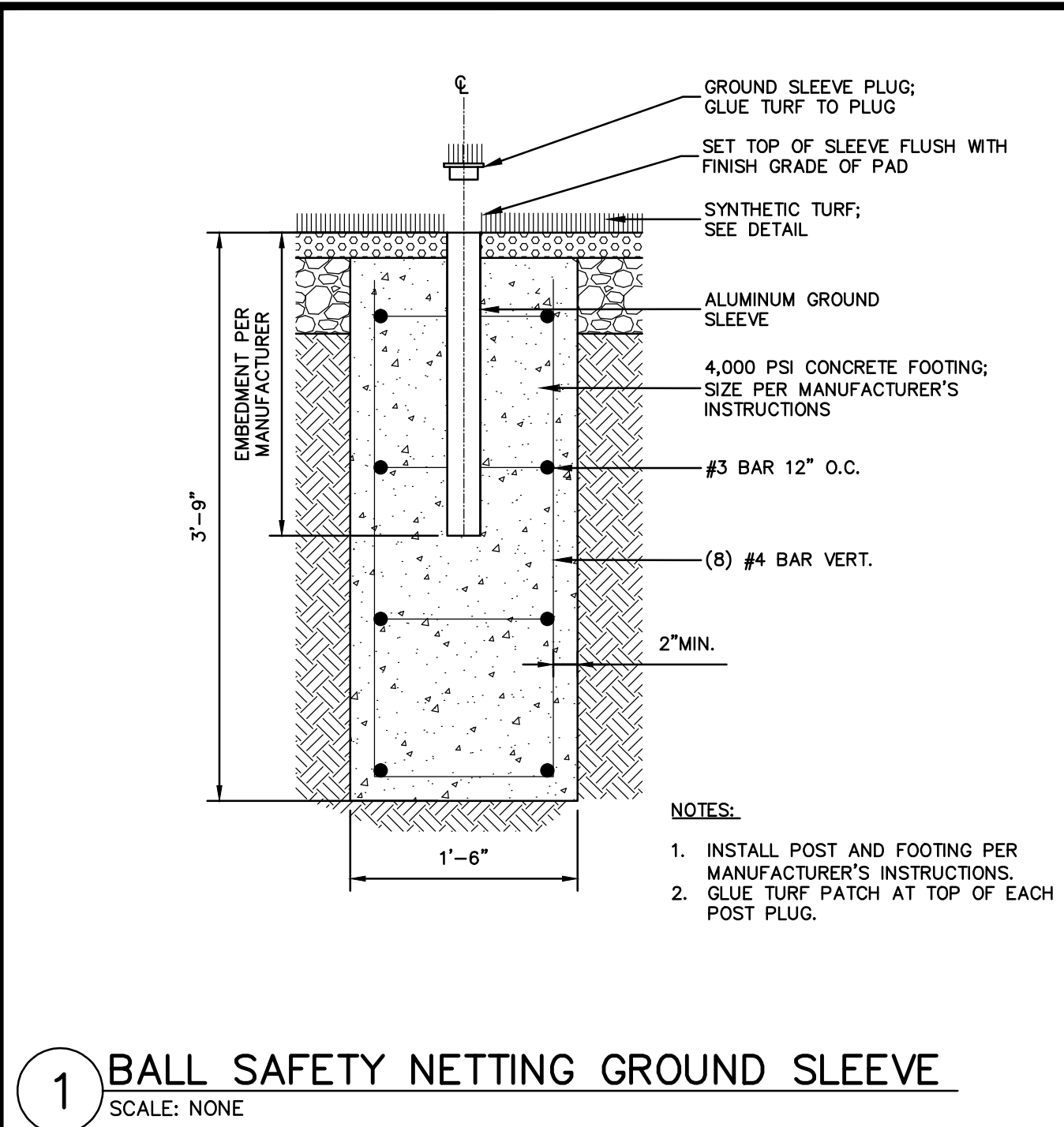

PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001


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

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SCALE: AS SHOWN

FILE: 8357202 - DET.DWG  
DWG. NO:  
JOB. NO: 83572.02  
**L-3.1**







JESSE A. HARRIS, PLA No. 1224

## ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD

IN AVON CONNECTICUT


DETAILS

APRIL 8, 2019

REVISIONS:	

PREPARED FOR:

TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001



300 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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FILE: 8357202 - DET.DWG  
DWG. NO:  
JOB. NO: 83572.02

**ISSUED FOR CONSTRUCTION**

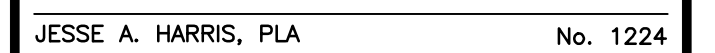
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**L-3.2**





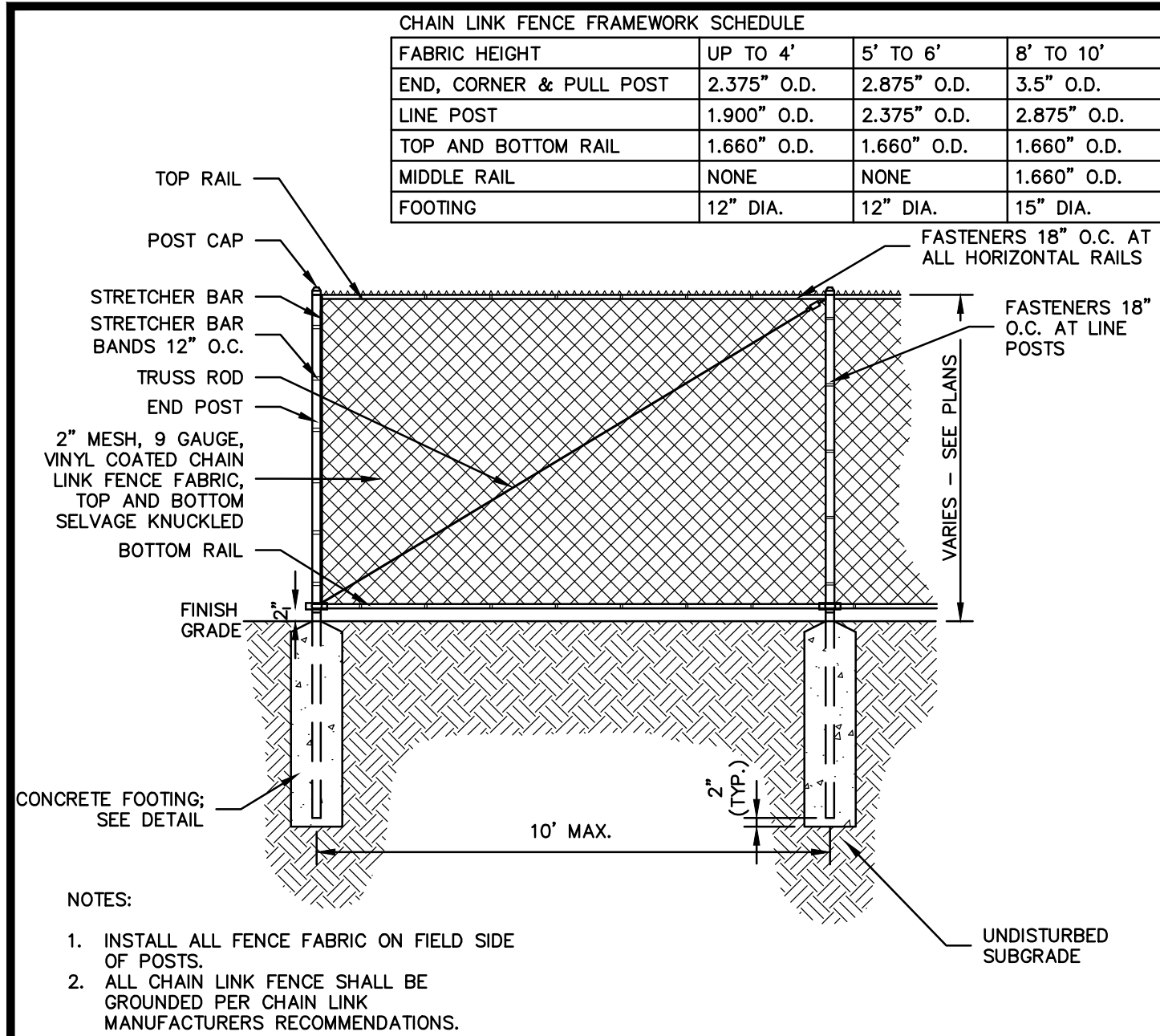
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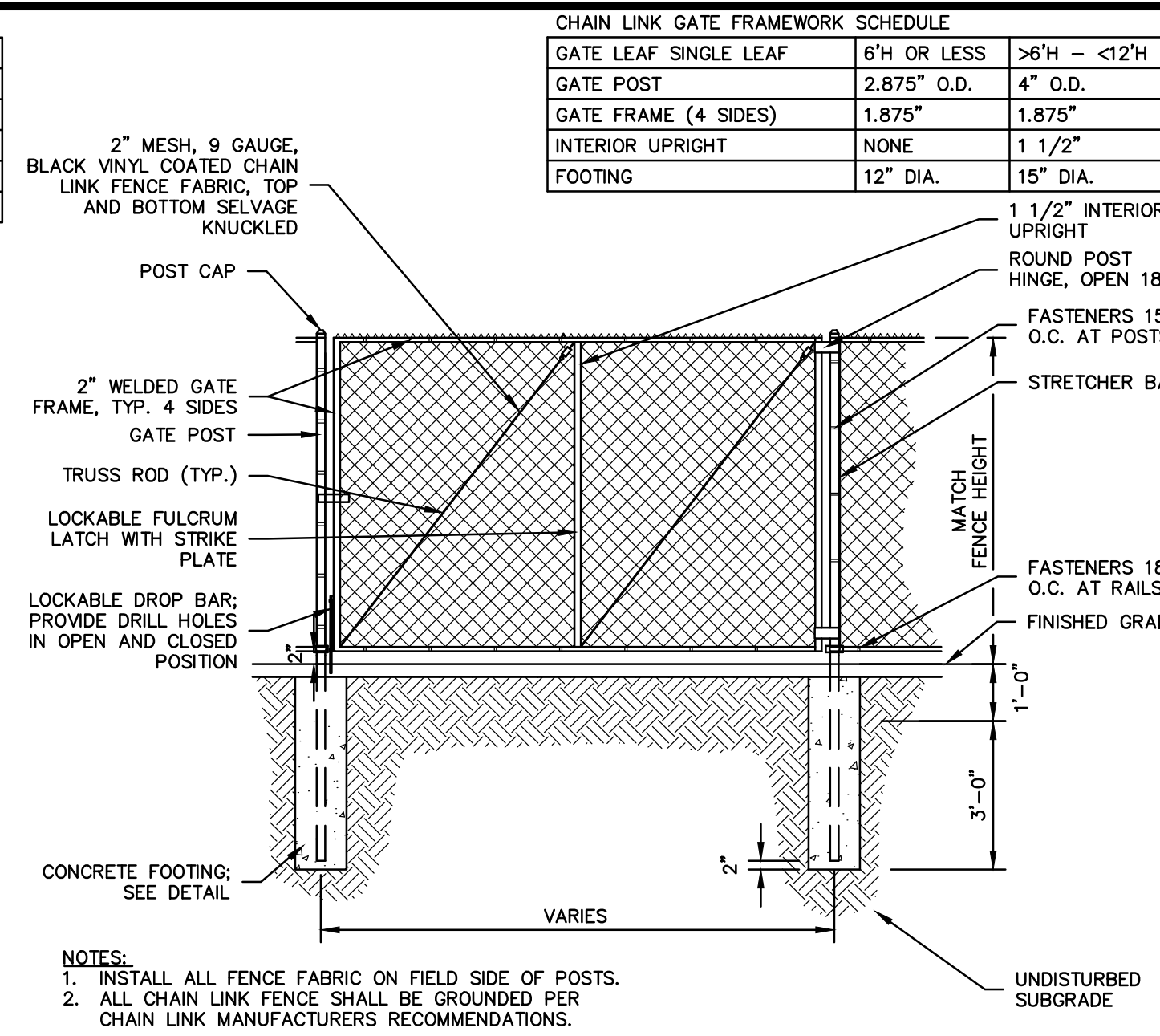
APRIL 8, 2019


L-3.3

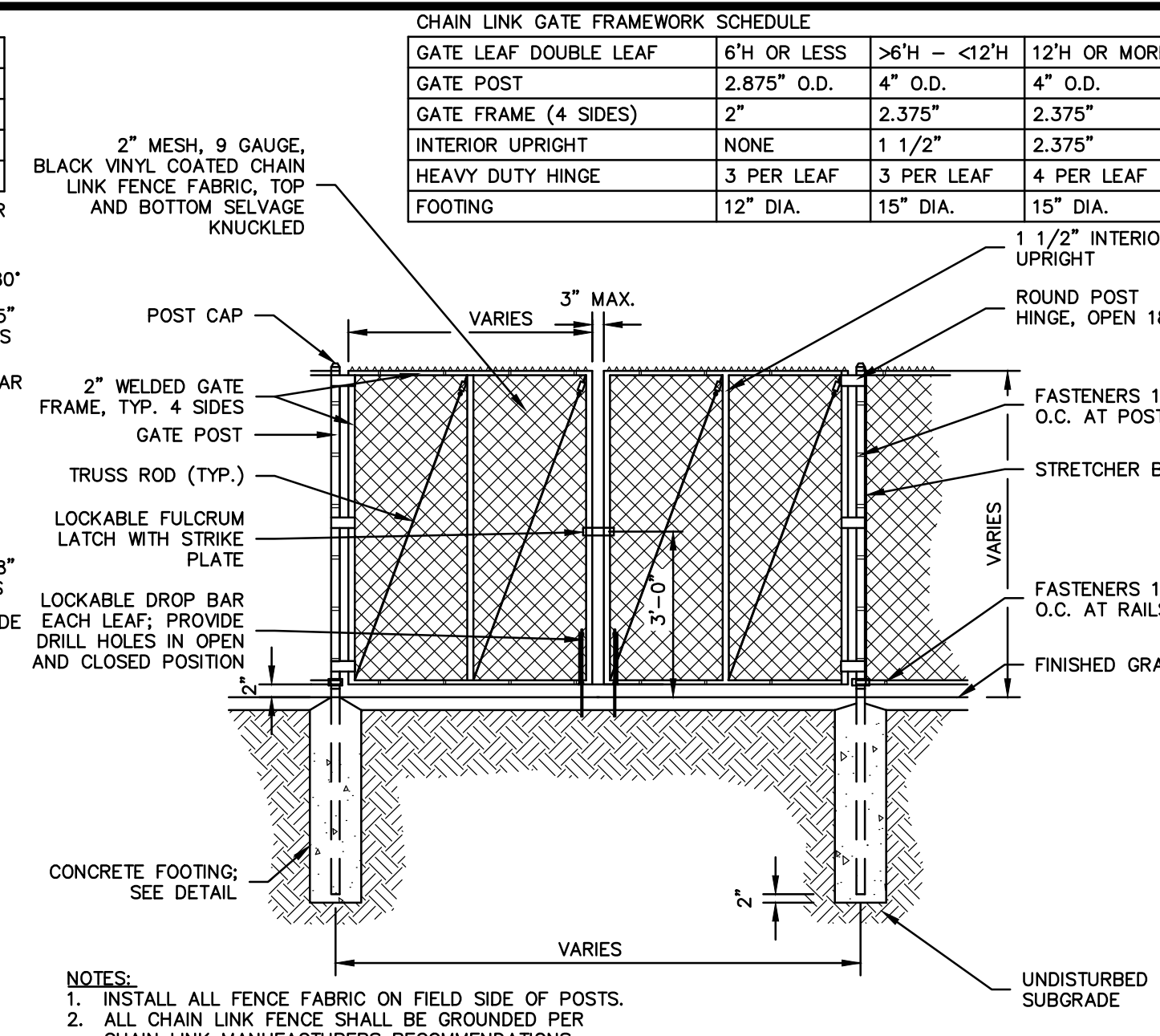




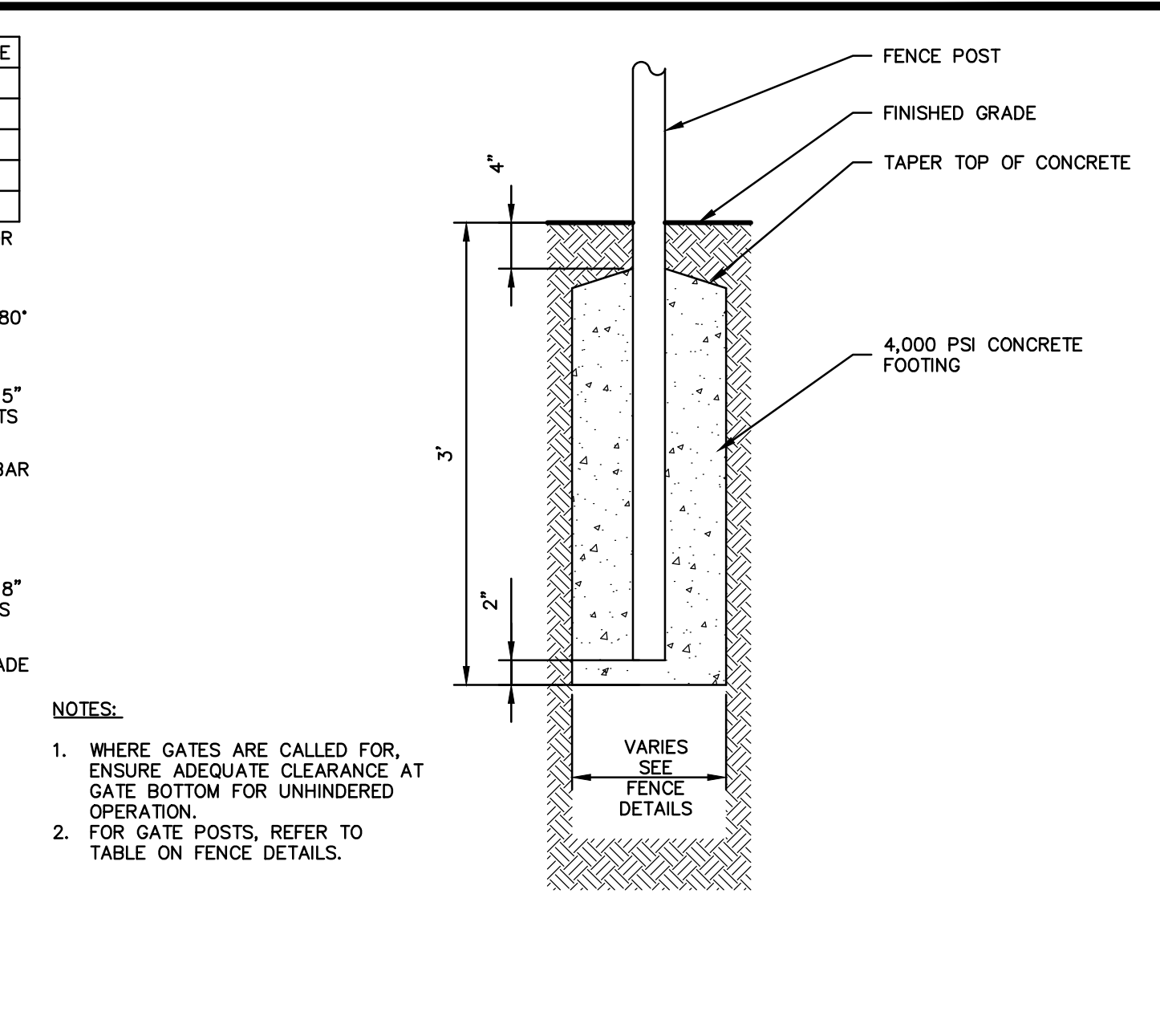
1 CHAIN LINK FENCE  
SCALE: NONE



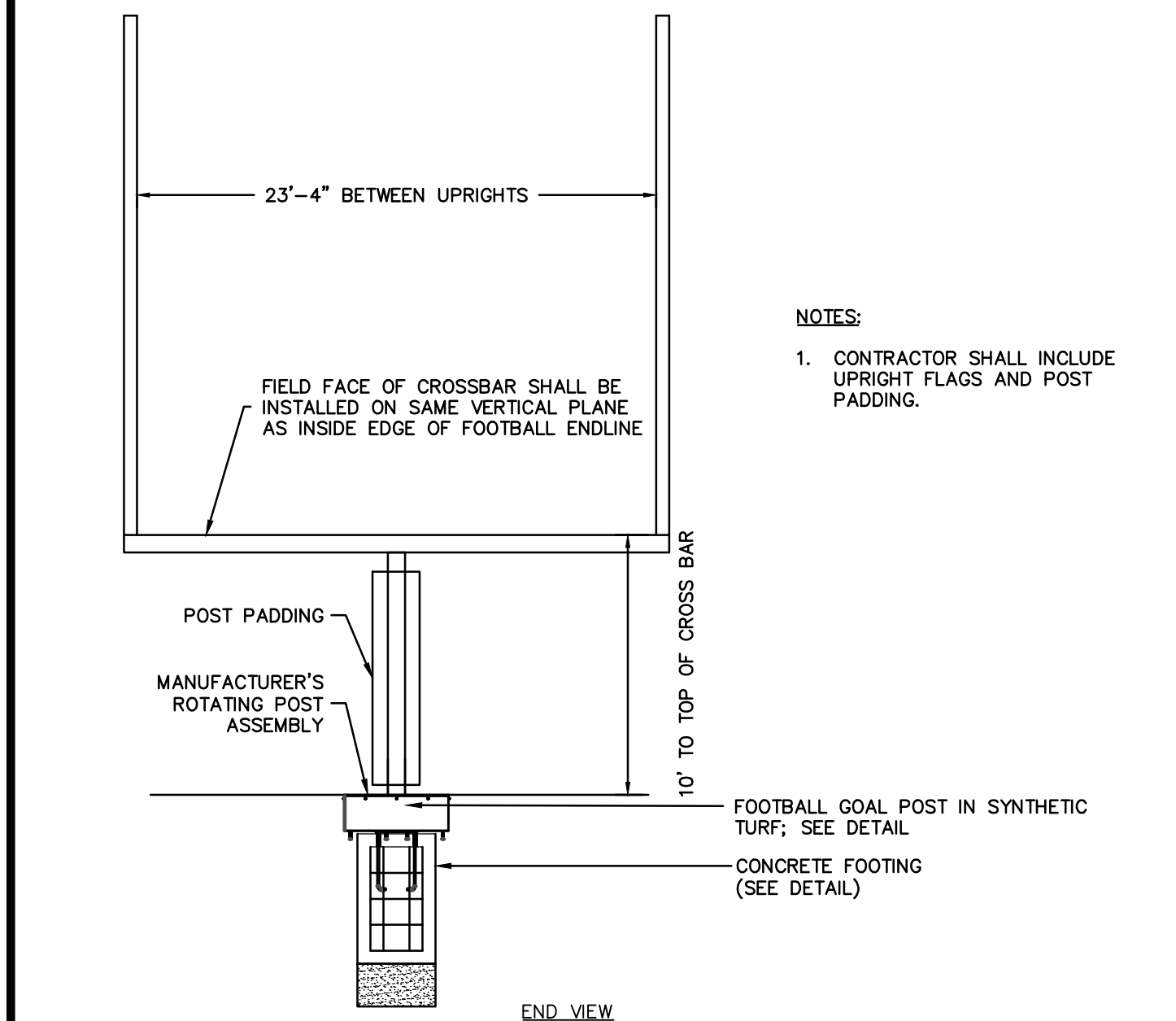
2 CHAIN LINK FENCE GATE  
SCALE: NONE



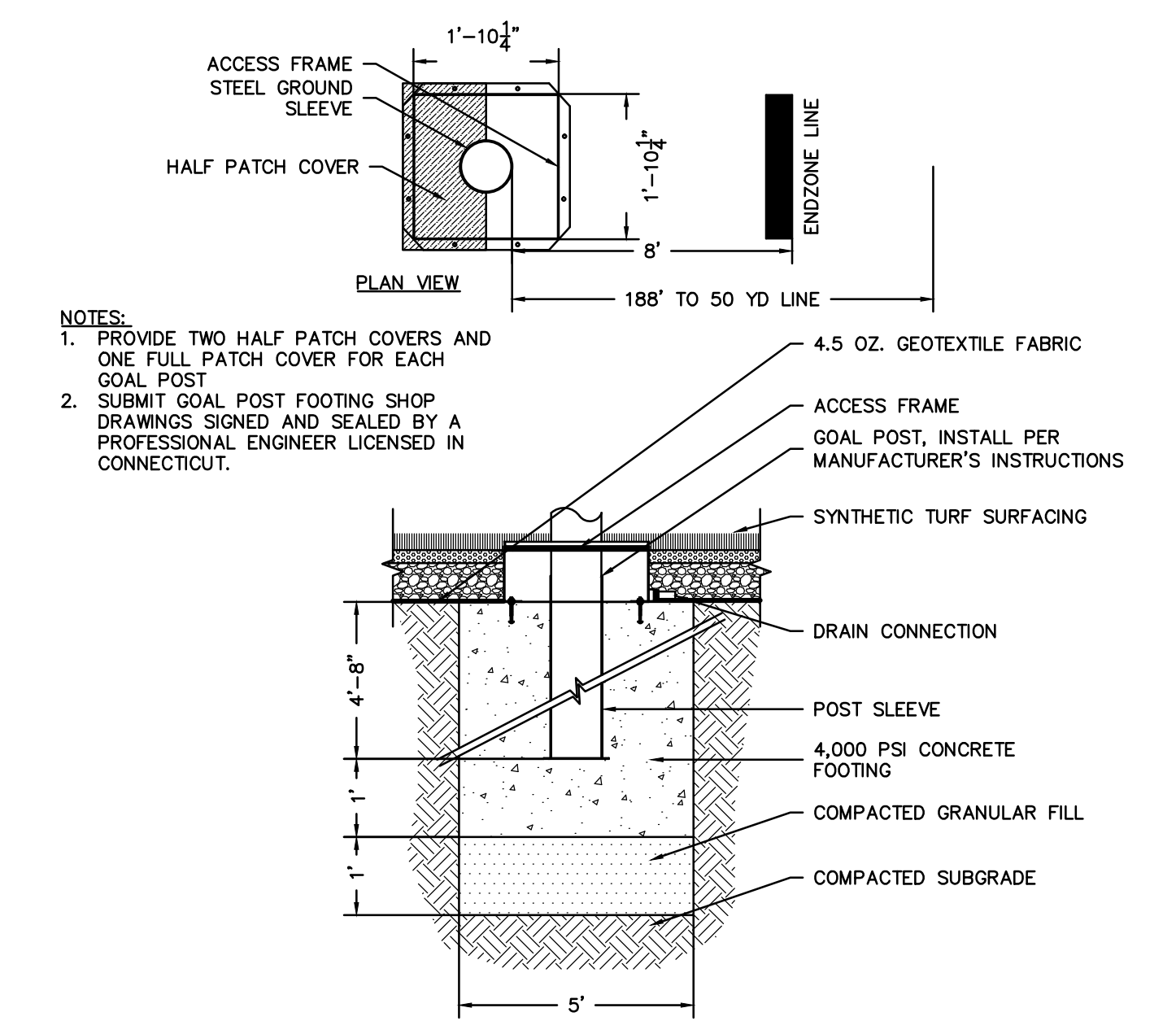
3 CHAIN LINK FENCE GATE - DOUBLE  
SCALE: NONE



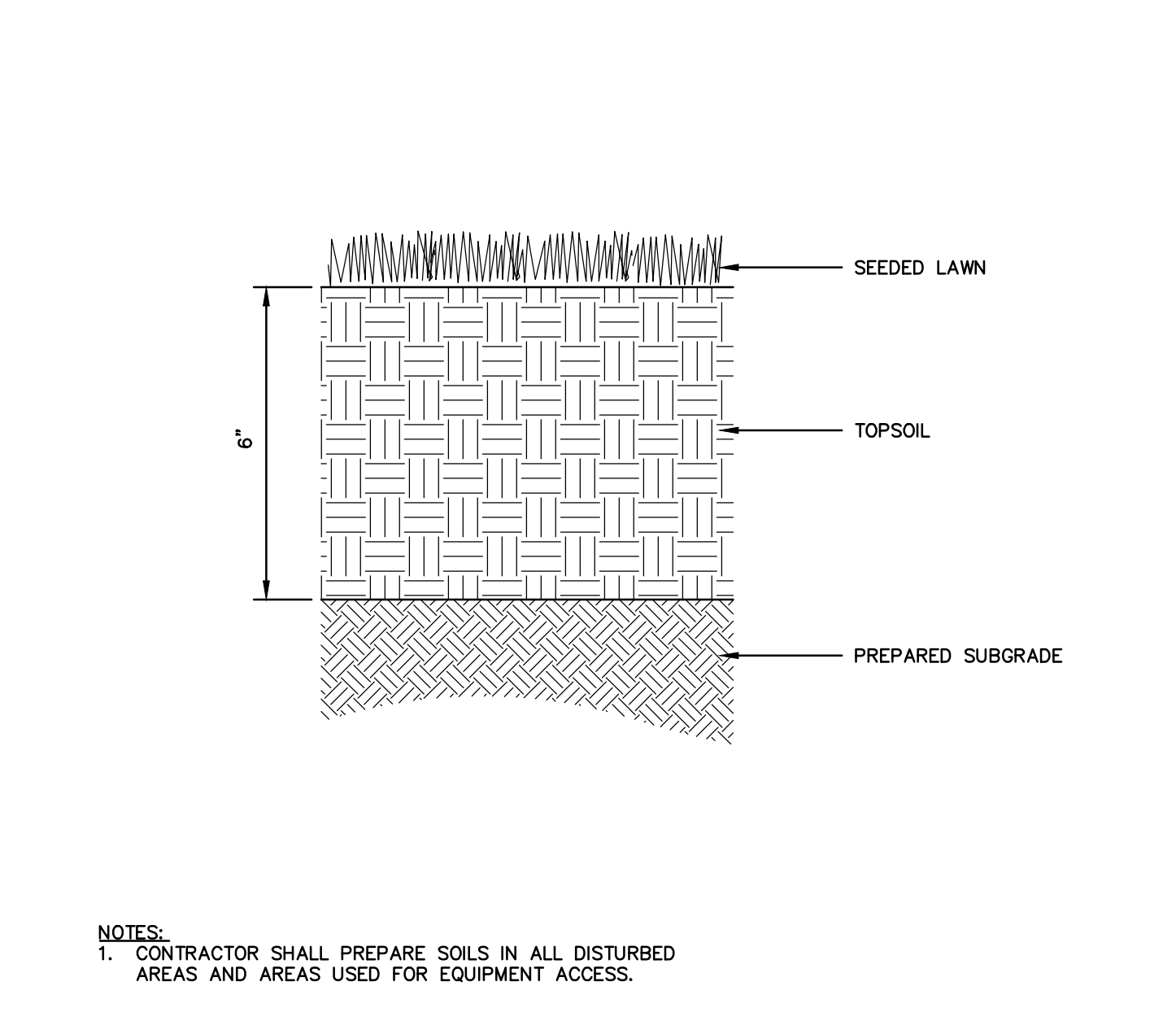
4 TYPICAL FENCE POST FOOTING  
SCALE: NONE



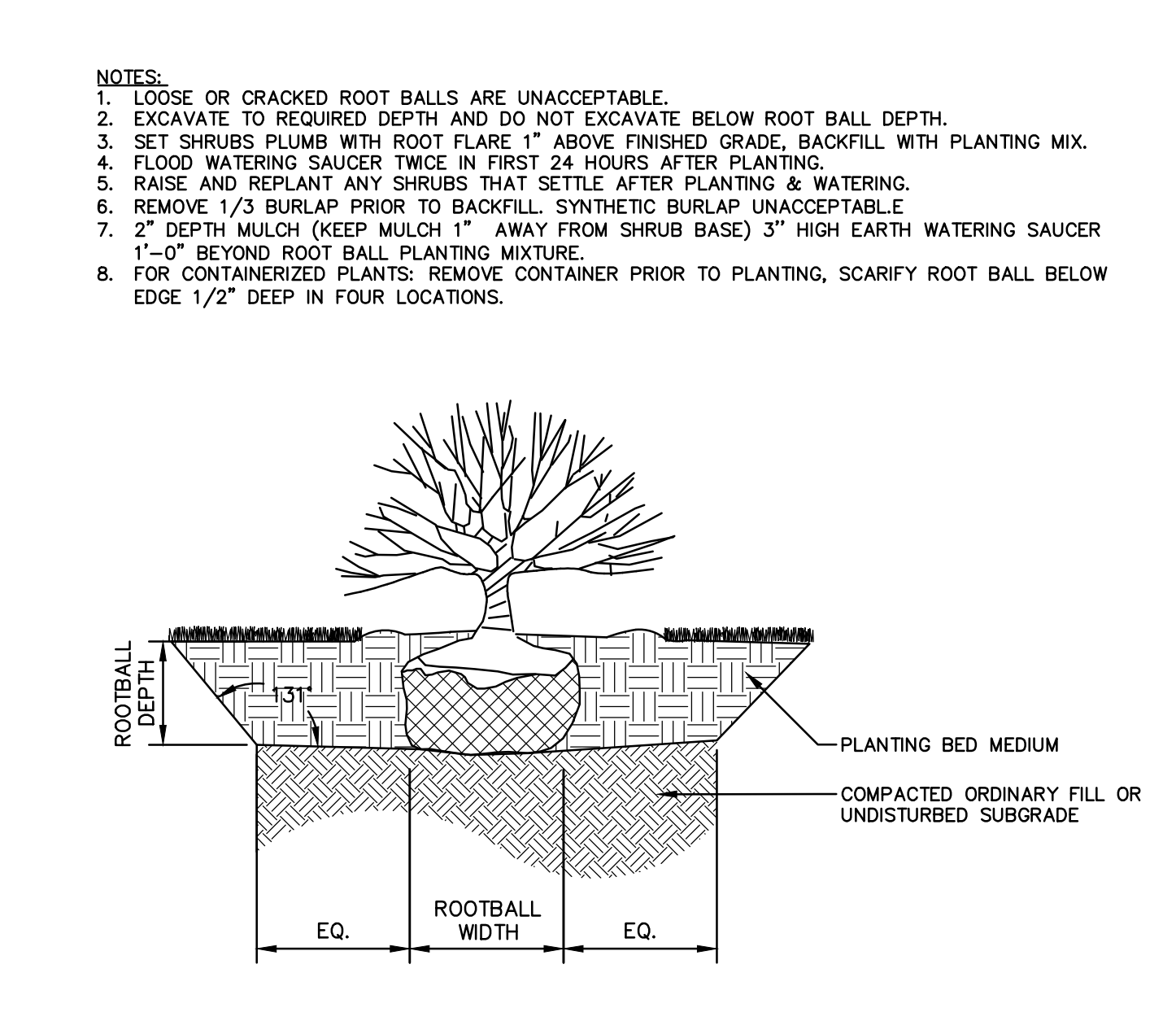
5 FOOTBALL GOAL POST  
SCALE: NONE



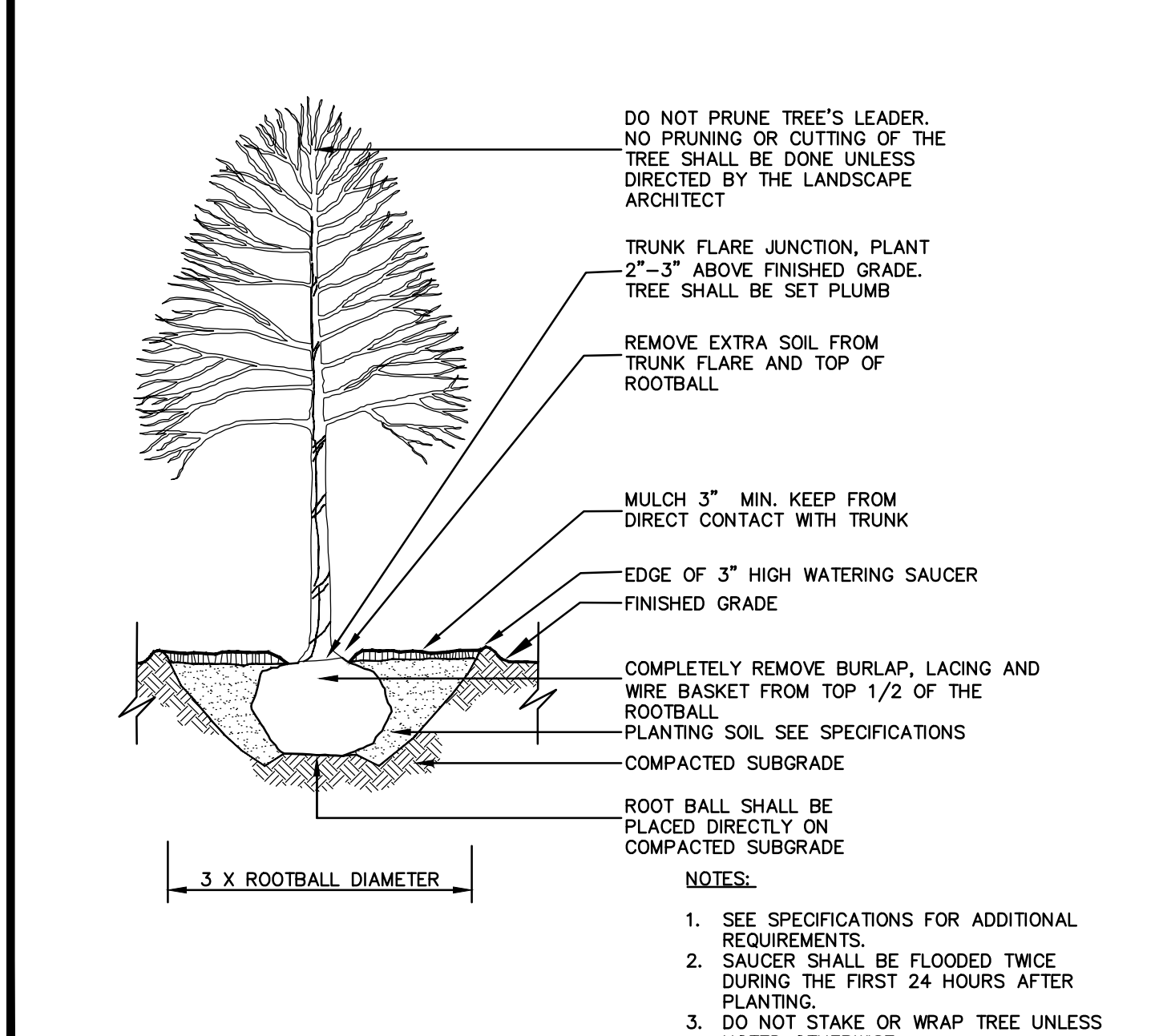
6 FOOTBALL GOAL POST IN SYNTHETIC TURF  
SCALE: NONE



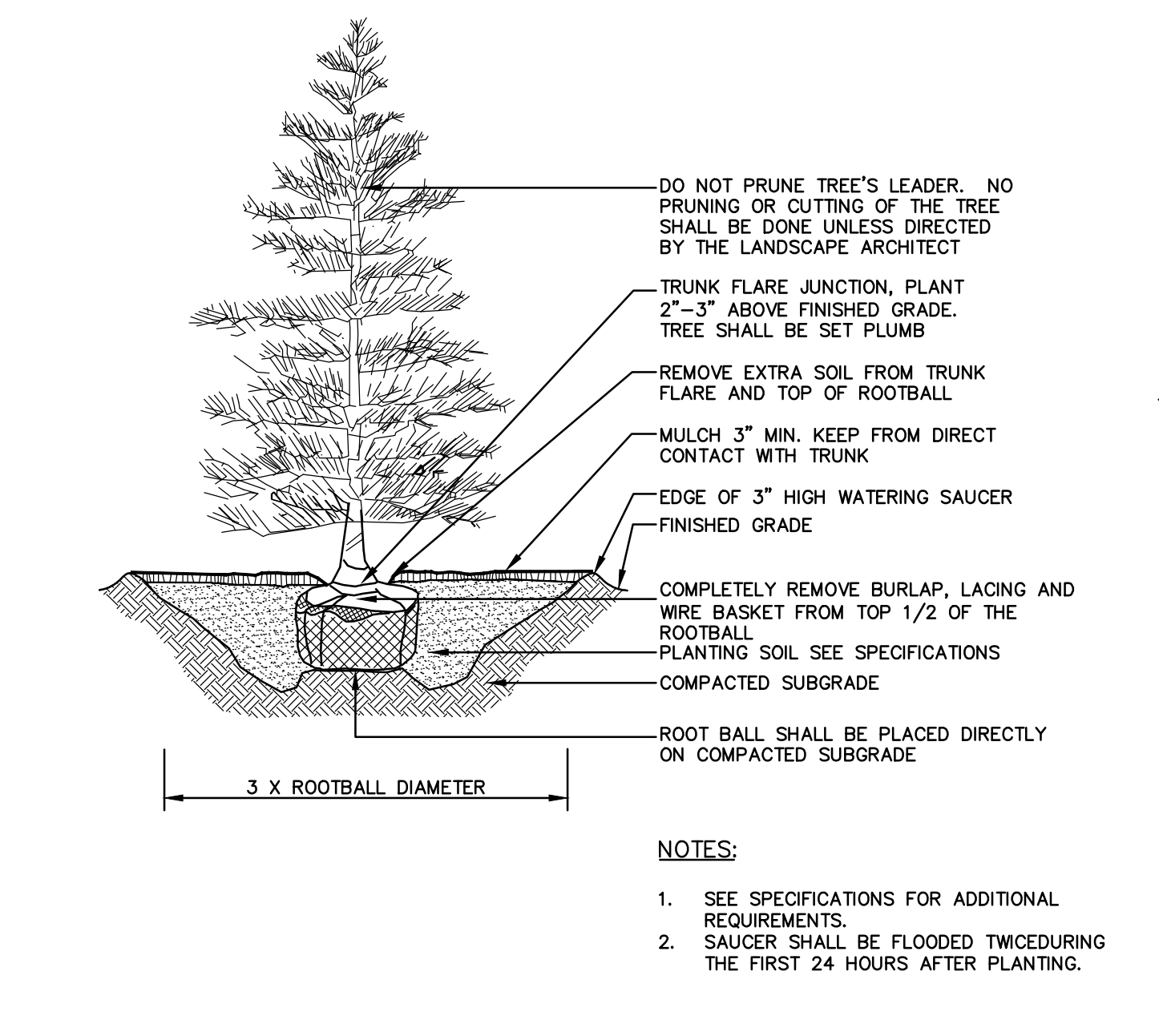
7 LAWN  
SCALE: NONE



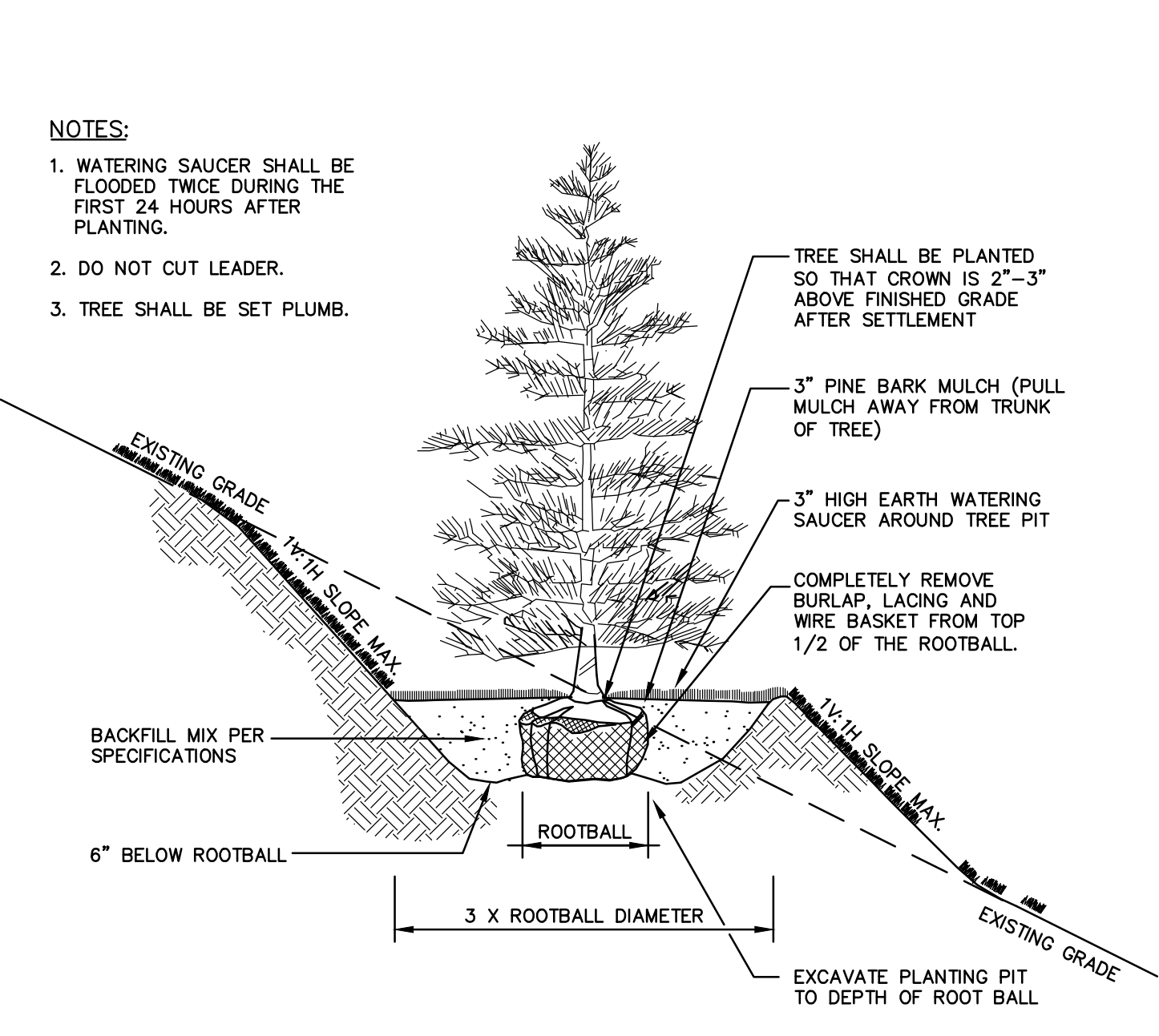
8 SHRUB PLANTING  
SCALE: NONE



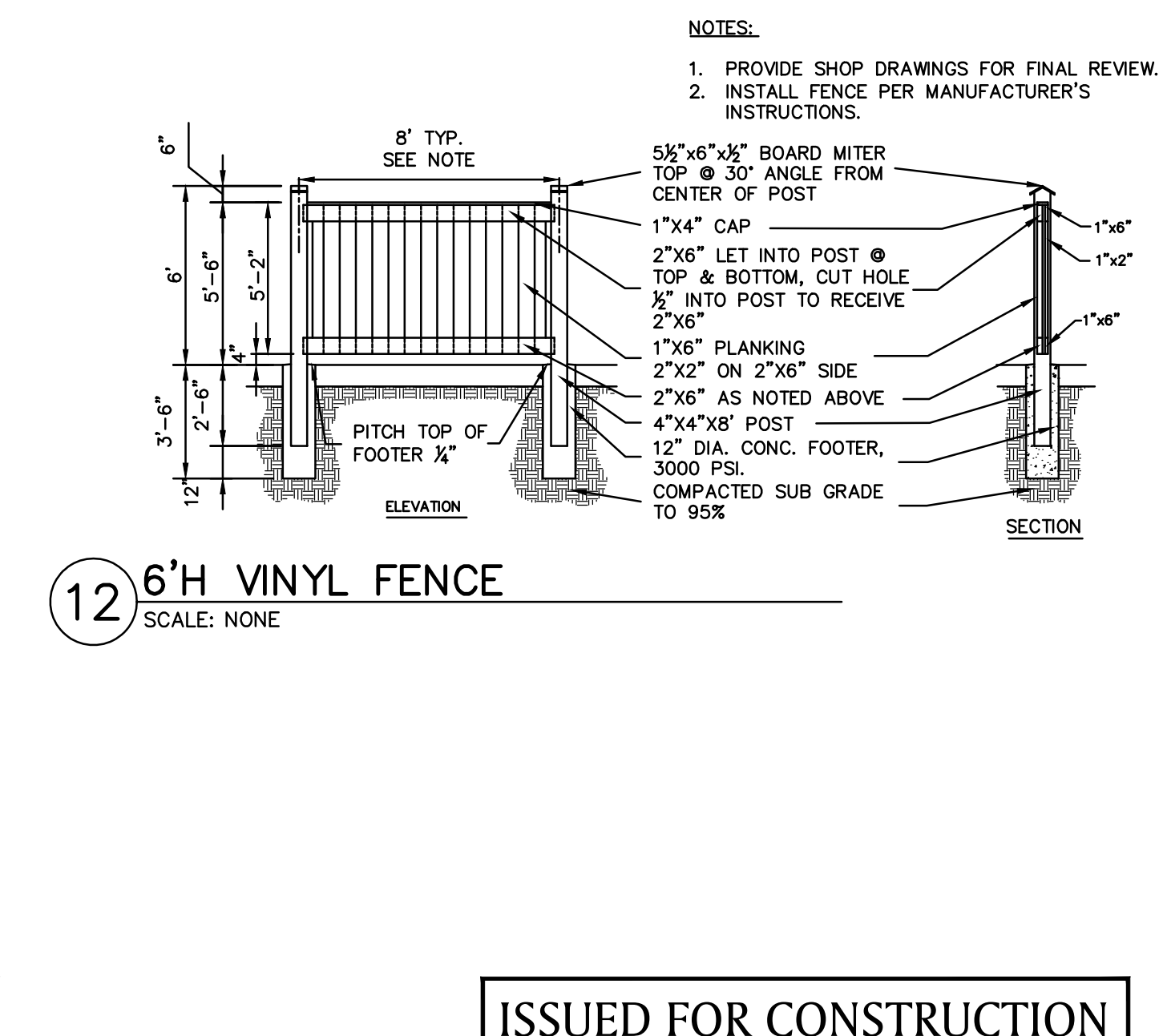
9 DECIDUOUS TREE PLANTING  
SCALE: NONE



10 EVERGREEN TREE PLANTING  
SCALE: NONE



11 TREE PLANTING ON SLOPE  
SCALE: NONE



12 6'H VINYL FENCE  
SCALE: NONE

ISSUED FOR CONSTRUCTION

USER RESPONSIBLE FOR VERIFYING THAT CONTENT OF THIS PLAN HAS NOT BEEN FURTHER REVISED



JESSE A. HARRIS, PLA No. 1224

## ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD

IN  
AVON  
CONNECTICUT

DETAILS

APRIL 8, 2019

REVISIONS:


PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

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

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SCALE: AS SHOWN

FILE: 8357202 - DET.DWG  
DWG. NO:  
JOB. NO: 83572.02  
**L-3.4**

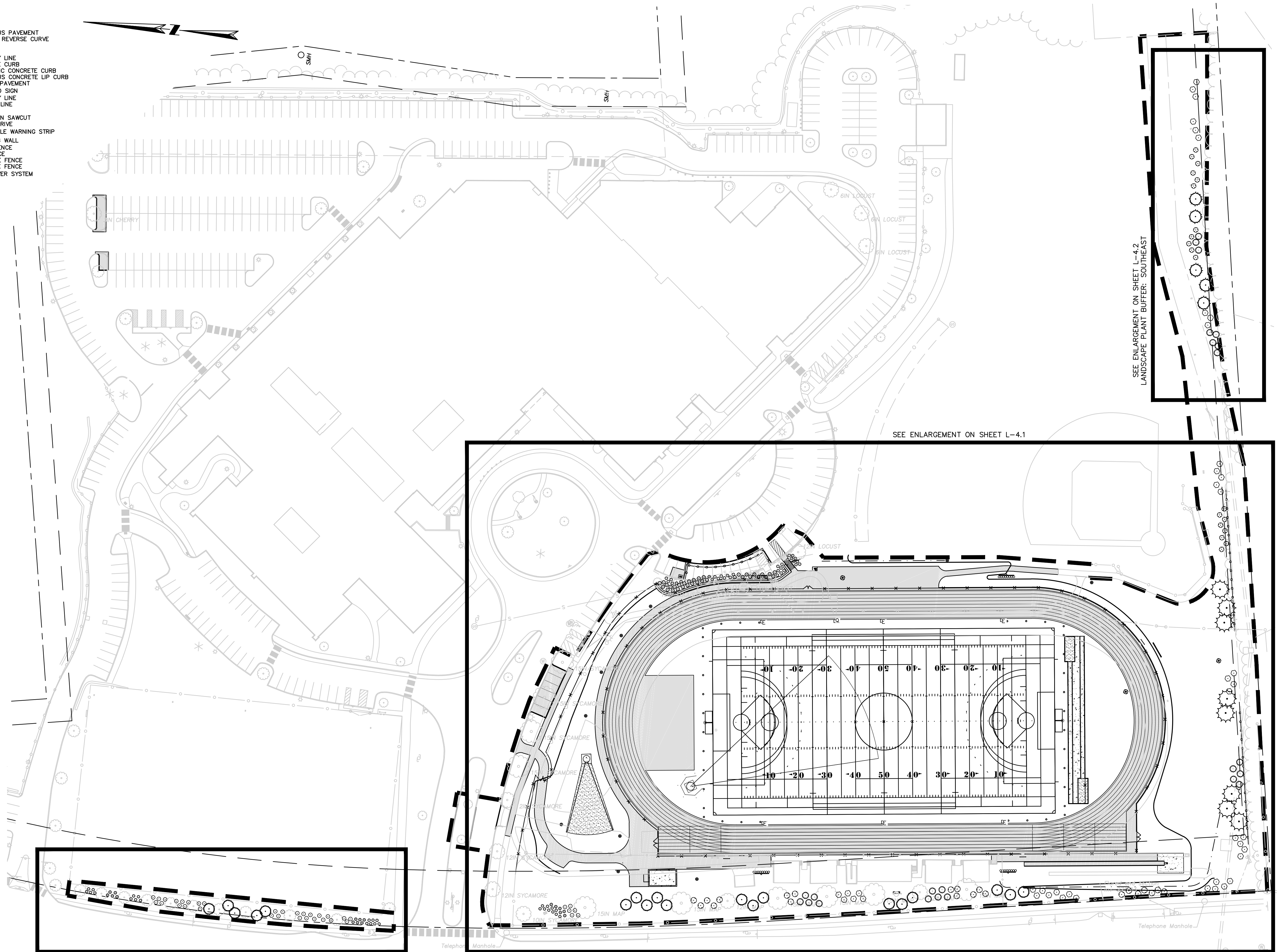


L-3.5

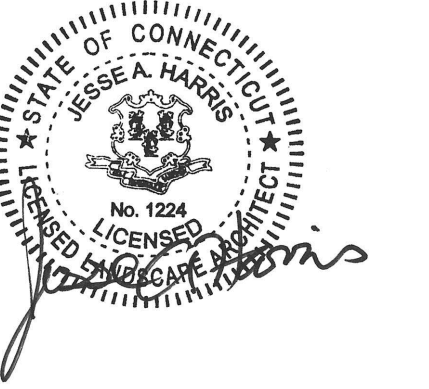


LEGEND

- BIT - BITUMINOUS PAVEMENT
- PRC - POINT OF REVERSE CURVE
- L - LENGTH
- R - RADIUS
- PL - PROPERTY LINE
- CC - CONCRETE CURB
- MCC - MONOLITHIC CONCRETE CURB
- BCLC - BITUMINOUS CONCRETE LIP CURB
- EOP - EDGE OF PAVEMENT
- PROPOSED SIGN
- PROPERTY LINE
- SETBACK LINE
- CURBING
- DEMOLITION SAWCUT
- GRAVEL DRIVE
- DETECTABLE WARNING STRIP
- RETAINING WALL
- PICKET FENCE
- RAIL FENCE
- STOCKADE FENCE
- CHAINLINK FENCE
- TURF PAVER SYSTEM



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



JESSE A. HARRIS, PLA No. 1224

ATHLETIC FACILITY  
IMPROVEMENTS AT  
AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

OVERALL PLANTING PLAN

APRIL 8, 2019

REVISIONS:


PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

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

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SCALE: 1" = 50'



FILE: 83572.02 - PLANT.DWG

DWG. NO:

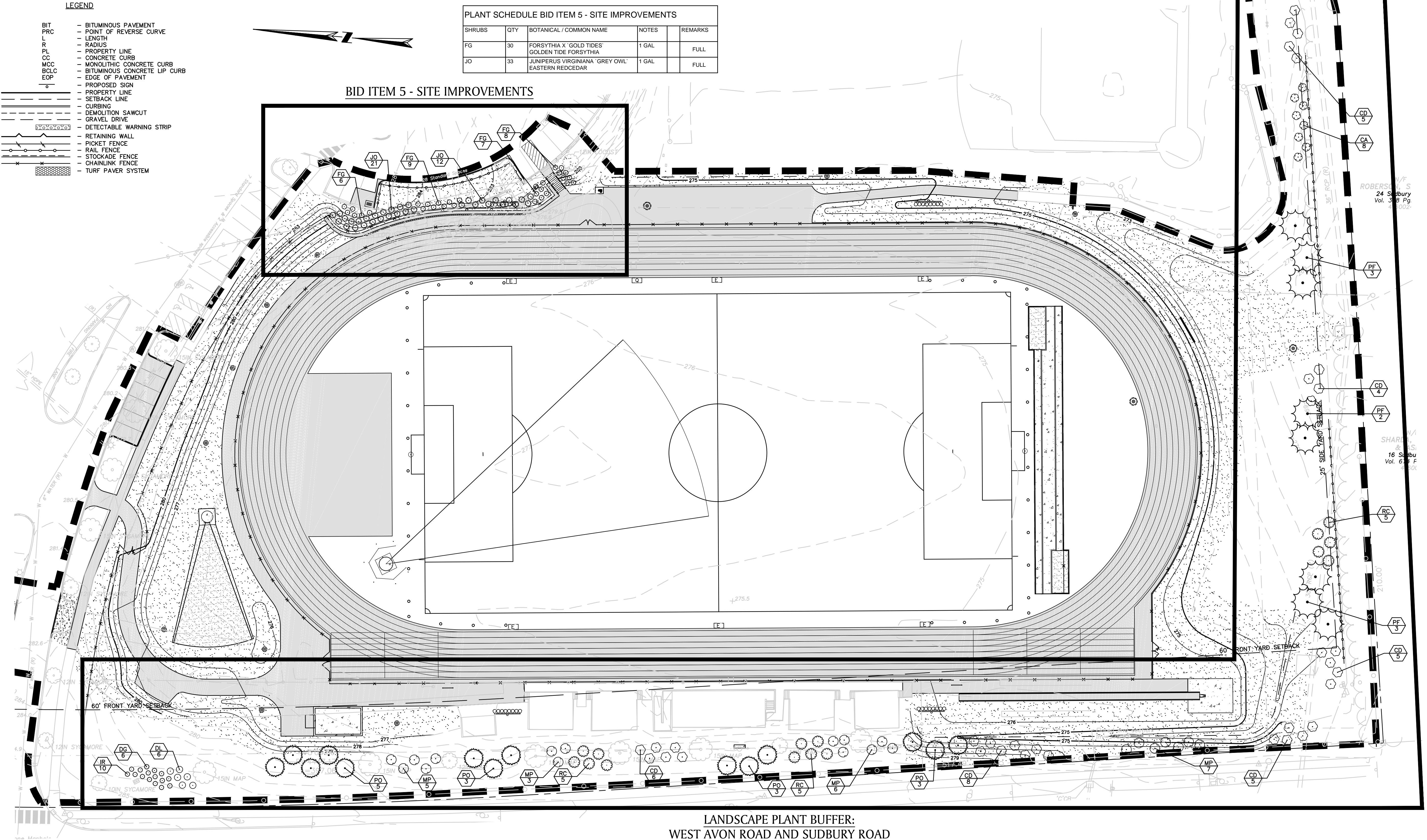
JOB. NO: 83572.02

L-4.0

ISSUED FOR CONSTRUCTION

USER RESPONSIBLE FOR VERIFYING THAT CONTENT OF  
THIS PLAN HAS NOT BEEN FURTHER REVISED





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



JESSE A. HARRIS, PLA No. 1224

# ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT

## PLANTING PLAN ENLARGMENTS

APRIL 8, 2019

REVISIONS:

NO.	DESCRIPTION	DATE

PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001

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

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SCALE: 1" = 30'  
0 15 30 60 FEET  
FILE: 83572.02 - PLANT.DWG  
DWG. NO:  
JOB. NO: 83572.02  
**L-4.1**

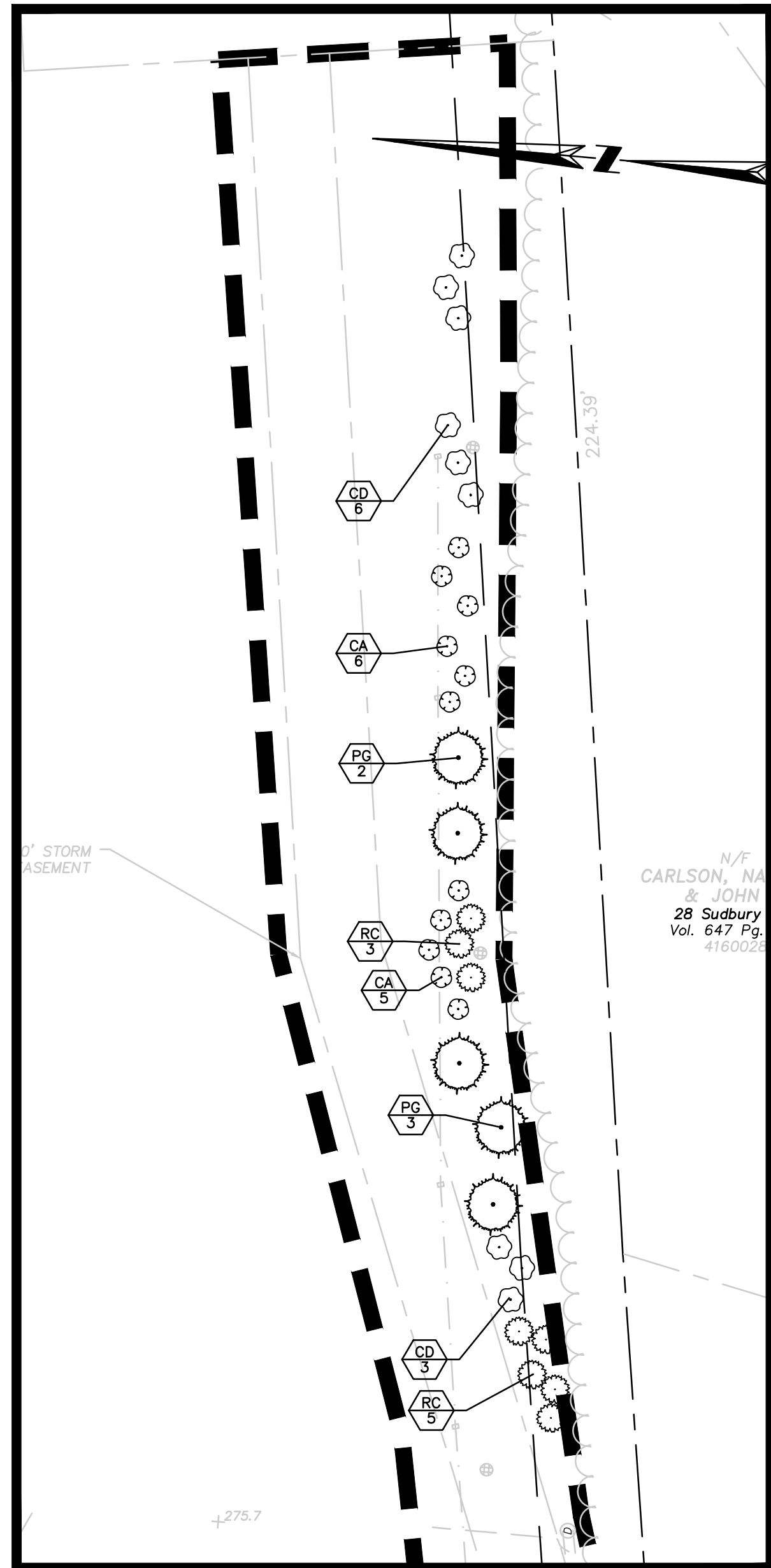
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## LEGEND

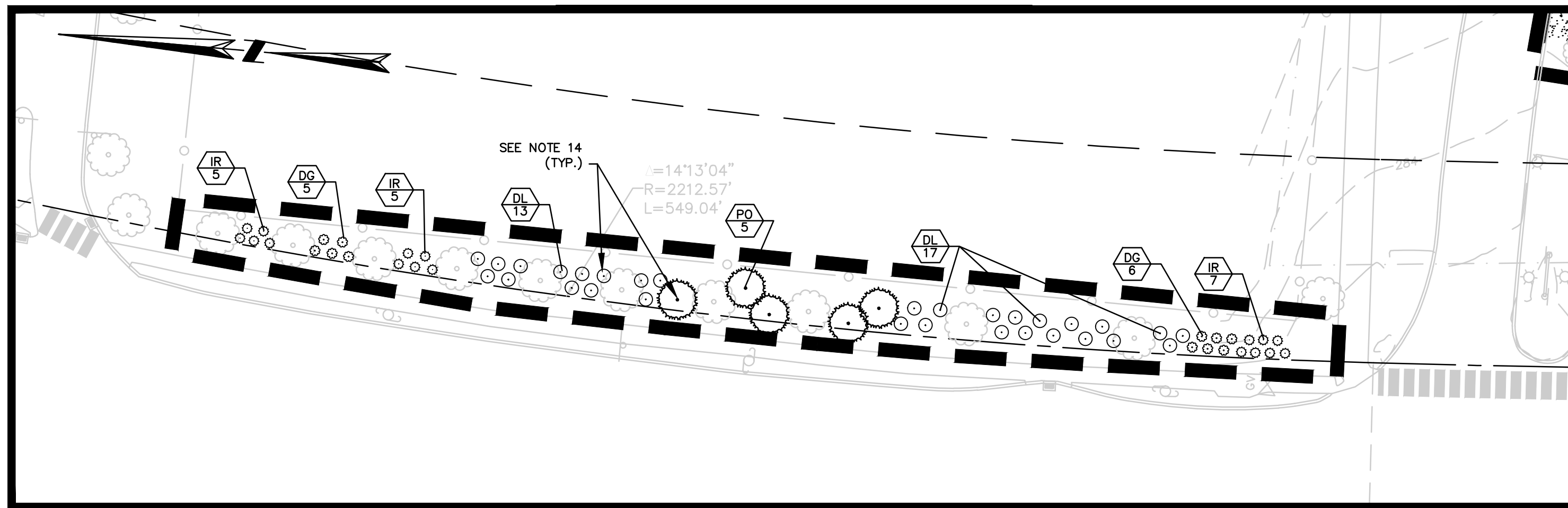
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PRC	- POINT OF REVERSE CURVE
L	- LENGTH
R	- RADIUS
PL	- PROPERTY LINE
CC	- CONCRETE CURB
MCC	- MONOLITHIC CONCRETE CURB
BCLC	- BITUMINOUS CONCRETE LIP CURB
EOP	- EDGE OF PAVEMENT
o	- PROPOSED SIGN
- - -	- PROPERTY LINE
- - -	- SETBACK LINE
- - -	- CURBING
- - -	- DEMOLITION SAWCUT
- - -	- GRAVEL DRIVE
- - -	- DETECTABLE WARNING STRIP
- - -	- RETAINING WALL
- - -	- PICKET FENCE
- - -	- RAIL FENCE
- - -	- STOCKADE FENCE
- - -	- CHAINLINK FENCE
- - -	- TURF PAVEMENT SYSTEM



LANDSCAPE PLANT BUFFER: SOUTHEAST

PLANT SCHEDULE LANDSCAPE PLANT BUFFER: SOUTHEAST					
TREES	QTY	BOTANICAL / COMMON NAME	NOTES	SIZE	REMARKS
PG	5	PICEA GLAUCA WHITE SPRUCE	B & B	6'-7' HT	SEMI-SHEARED
SHRUBS	QTY	BOTANICAL / COMMON NAME	NOTES	SIZE	REMARKS
CA	11	CLETHRA ALNIFOLIA SUMMERSWEET CLETHRA	2 GAL	2-2.5' HT	FULL
CD	9	CORNUS ALBA TATARIAN DOGWOOD	3 GAL	3-4' HT	FULL
RC	8	RHODODENDRON CATAWBIENSE CATAWBA RHODODENDRON	3 GAL	3-4' HT	FULL

LANDSCAPE PLANT BUFFER: NORTH FIELD



## NOTES:

- ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- ANY PROPOSED SUBSTITUTIONS OF PLANT MATERIAL SHALL BE MADE WITH MATERIAL EQUIVALENT TO THE DESIRED MATERIAL IN OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE. PROPOSED SUBSTITUTIONS WILL ONLY BE CONSIDERED IF SUBMITTED WITH ENUMERATED REASONS WHY SUBSTITUTIONS ARE PROPOSED. NO SUBSTITUTION OF PLANT SPECIES OR VARIETIES WILL BE ACCEPTABLE WITHOUT LANDSCAPE ARCHITECT'S WRITTEN APPROVAL.
- NO PLANTING SHALL OCCUR PRIOR TO FINAL ACCEPTANCE OF GRADES.
- INSTALL PLANTS WITH ROOT FLARES FLUSH WITH GRADE. IMMEDIATELY REPLANT PLANTS WHICH SETTLE OUT OF PLUMB OR BELOW FINISH GRADE.
- ALL CLEARING AND SELECTIVE PRUNING AND THINNING SHALL BE PERFORMED BY A LICENSED ARBORIST.
- ALL TREES TO BE SAVED SHALL BE PROTECTED PER SPECIFICATION.
- THE LANDSCAPE ARCHITECT OR ENGINEER RESERVES THE RIGHT TO ADJUST FINAL GRADES IN THE FIELD TO SAVE EXISTING VEGETATION.
- PLANT QUANTITIES NOTED IN THE PLANT SCHEDULE ARE APPROXIMATE AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FURNISHING AND INSTALLATION OF ALL PLANT MATERIALS NOTED ON THE PLANTING PLAN.
- PROVIDE FIVE (5) FOOT DIAMETER MULCH CIRCLE AROUND ALL INDIVIDUAL TREE PLANTINGS AND CONTINUOUS MULCH BED AROUND SHRUB, PERENNIAL AND GROUND COVER PLANTINGS.
- PLANT UNDER FULL SUPERVISION OF CERTIFIED ARBORIST, NURSERYMAN, OR LICENSED LANDSCAPE ARCHITECT. PROVIDE WRITTEN VERIFICATION OF CERTIFICATION AND/OR LICENSE FOR OWNER'S REPRESENTATIVE'S APPROVAL.
- COMPLETE QUANTITIES OF PLANTS FOR EACH AREA TO BE AVAILABLE ON SITE AT THE TIME OF PLANTING FOR FIELD LAYOUT BY OWNER'S REPRESENTATIVE. NO PARTIAL LAYOUT AND PLANTING OF AREAS WILL BE ACCEPTABLE.
- LOOSE OR CRACKED ROOTBALLS ARE UNACCEPTABLE.
- WATER PLANTS THOROUGHLY AFTER INSTALLATION, A MINIMUM OF TWICE WITHIN THE FIRST 24 HOURS.
- PLANTS WITHIN CRITICAL ROOT ZONE OF EXISTING TREES MUST BE HAND DUG. CRITICAL ROOT ZONE = DBH (IN INCHES) X 1.5.

PLANT SCHEDULE LANDSCAPE PLANT BUFFER: NORTH FIELD					
TREES	QTY	BOTANICAL / COMMON NAME	NOTES	SIZE	REMARKS
PO	5	PICEA OMORICA SERBIAN SPRUCE	B & B	6'-7' HT	SEMI-SHEARED
SHRUBS	QTY	BOTANICAL / COMMON NAME	NOTES	SIZE	REMARKS
DG	11	DEUTZIA GRACILIS SLENDER DEUTZIA	2 GAL	18"-24"	FULL
DL	30	DIERVILLA LONICERA DWARF BUSH HONEYSUCKLE	2 GAL	2-2.5' HT	FULL
IR	17	ILEX VERTICILLATA 'RED SPRITE' RED SPRITE WINTERBERRY	2 GAL	2-2.5' HT	FULL

ISSUED FOR CONSTRUCTION

USER RESPONSIBLE FOR VERIFYING THAT CONTENT OF  
THIS PLAN HAS NOT BEEN FURTHER REVISEDREPRODUCTIONS OF THIS PLAN ARE  
INVALID UNLESS THEY BEAR THE EMBOSSED  
SEAL OF THE UNDERSIGNED PROFESSIONAL.

JESSE A. HARRIS, PLA

No. 1224

ATHLETIC FACILITY  
IMPROVEMENTS AT  
AVON HIGH SCHOOL

510 WEST AVON ROAD

IN  
AVON  
CONNECTICUTPLANTING PLAN  
ENLARGEMENTS (CONT.)

APRIL 8, 2019

## REVISIONS:


PREPARED FOR:  
TOWN OF AVON  
60 WEST MAIN STREET  
AVON, CT 06001**BSC GROUP**  
300 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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SCALE: 1" = 30'

FILE: 83572.02 - PLANT.DWG

DWG. NO:

JOB. NO: 83572.02

L-4.2

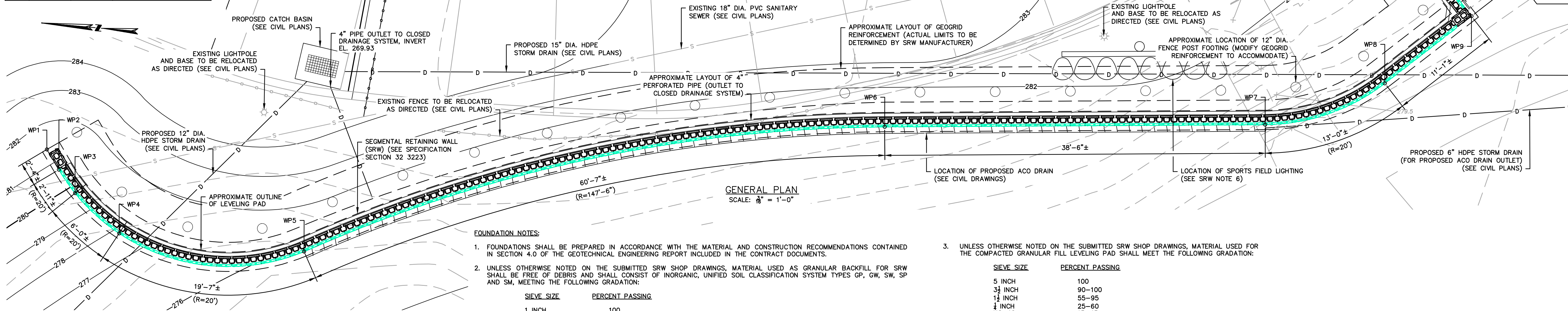


WORKING POINT LOCATION TABLE			
WP	NORTHING	EASTING	DESCRIPTION
WP1	845991.90	969203.03	BEGIN SRW
WP2	845990.51	969201.09	PC
WP3	845988.66	969198.87	LEVELING PAD STEP
WP4	845983.86	969195.20	LEVELING PAD STEP
WP5	845965.02	969195.00	PRC/BEGIN ACO DRAIN
WP6	845907.47	969212.72	PT
WP7	845869.05	969216.30	PC/END ACO DRAIN
WP8	845857.33	969221.53	PT
WP9	845849.17	969229.08	90° OUTSIDE CORNER
WP10	845852.97	969233.19	LEVELING PAD STEP
WP11	845856.19	969236.67	END SRW

#### SEGMENTAL RETAINING WALL (SRW) NOTES:

- DIMENSIONS AND REPORTED ELEVATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY BE ADJUSTED TO ACCOMMODATE THE SELECTED SRW SYSTEM. THE DESIGN INTENT IS TO PROVIDE A NOMINAL REVEAL ABOVE FINISHED GRADE ALONG THE SRW LENGTH (FAR FACE), A MINIMUM EMBEDMENT OF 6" (MEASURED FROM FINISHED GRADE AT THE NEAR FACE OF THE SRW TO THE TOP OF THE LEVELING PAD), A MINIMUM LEVELING PAD THICKNESS OF 6" AND A MINIMUM STRUCTURAL FILL THICKNESS OF 1'-0".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INTERNAL STABILITY OF THE SELECTED SRW SYSTEM. THE DESIGN SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS AND SHALL SATISFY THE DESIGN CRITERIA (AND MINIMUM LATERAL EARTH PRESSURE REQUIREMENTS DURING CONSTRUCTION) STIPULATED IN THE GEOTECHNICAL ENGINEERING REPORT INCLUDED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUBMIT SRW SHOP DRAWINGS AND DESIGN CALCULATIONS FOR APPROVAL IN ACCORDANCE WITH SPECIFICATION SECTION 32.3223. ALL PLANS AND CALCULATIONS SHALL BE PREPARED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT.
- ALL COST ASSOCIATED WITH THE DESIGN, FABRICATION AND CONSTRUCTION OF THE SRW SYSTEM INCLUDING THE EXCAVATION, STRUCTURAL FILL, LEVELING PAD, GRANULAR BACKFILL FOR SRW, GEOGRID REINFORCEMENT, GEOTEXTILE FABRIC, GEOMEMBRANE, FACING SEALER, AND PERFORATED PIPE SHALL BE CONSIDERED INCIDENTAL TO THE SRW SYSTEM.

- IMPERVIOUS MEMBRANE SHALL BE PROVIDED WITHIN THE LIMITS OF GRANULAR BACKFILL FOR SRW AS DETAILED ON THE PLANS. THE SUBGRADE SHALL BE GRADED SMOOTH WITH NO IRREGULARITIES OR STONE PROTRUSIONS. LIMITS OF IMPERVIOUS MEMBRANE SHALL EXTEND APPROXIMATELY 5'-0" BEYOND THE ENDS OF THE SRW.
- A MANUFACTURER APPROVED FACING SEALER SHALL BE APPLIED TO ALL EXPOSED SRW SURFACES TO APPROXIMATELY 1'-0" BELOW FINISHED GRADE.
- THE CONTRACTOR SHALL DEVELOP THE OVERALL CONSTRUCTION SEQUENCE TO ENSURE THAT THE SRW IS NOT UNDERMINED, OR DAMAGED (INCLUDING ANY DAMAGE TO THE GEOGRID WITHIN THE REINFORCED SOIL ZONE) DURING INSTALLATION OF THE BASES FOR SPORTS FIELD LIGHTING. THE CONTRACTOR IS NOTIFIED THAT THE INSTALLATION OF TEMPORARY EXCAVATION SUPPORT/CASING, OR MODIFICATION OF THE GEOGRID LAYOUT MAY BE REQUIRED, DEPENDING ON THE FINAL LOCATION AND SELECTED CONSTRUCTION SEQUENCE.



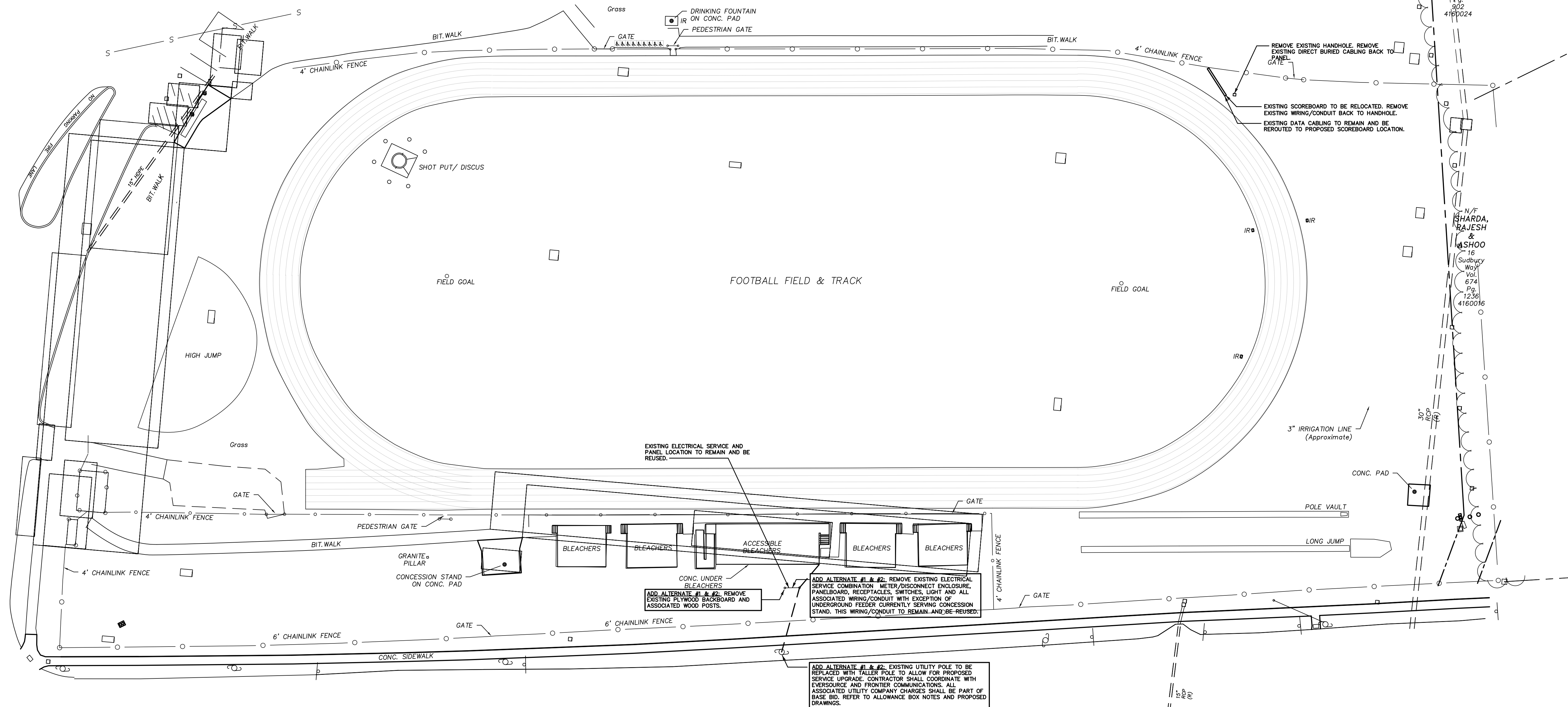
#### FOUNDATION NOTES:

- FOUNDATIONS SHALL BE PREPARED IN ACCORDANCE WITH THE MATERIAL AND CONSTRUCTION RECOMMENDATIONS CONTAINED IN SECTION 4.0 OF THE GEOTECHNICAL ENGINEERING REPORT INCLUDED IN THE CONTRACT DOCUMENTS.
- UNLESS OTHERWISE NOTED ON THE SUBMITTED SRW SHOP DRAWINGS, MATERIAL USED AS GRANULAR BACKFILL FOR SRW SHALL BE FREE OF DEBRIS AND SHALL CONSIST OF INORGANIC, UNIFIED SOIL CLASSIFICATION SYSTEM TYPES GP, GW, SW, SP AND SM, MEETING THE FOLLOWING GRADATION:

SIEVE SIZE	PERCENT PASSING
1 INCH	100
NO. 4	20-100
NO. 40	0-50
NO. 200	0-10

- UNLESS OTHERWISE NOTED ON THE SUBMITTED SRW SHOP DRAWINGS, MATERIAL USED FOR THE COMPACTED GRANULAR FILL LEVELING PAD SHALL MEET THE FOLLOWING GRADATION:





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

CONSULTANT:  
**SALAMONE  
&  
ASSOCIATES, P.C.**  
CONSULTING ENGINEERS  
116 North Plains Industrial Road  
Wallingford, Connecticut 06492  
Phone: (203) 281-6895 Fax: (203) 287-8728

**ATHLETIC FACILITY  
IMPROVEMENTS AT  
AVON HIGH SCHOOL**

**510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT**

**SITE LIGHTING  
DEMOLITION  
PLAN**

FEBRUARY 22, 2019

REVISIONS:  
2/22/19 ADDENDUM NO. 1

PREPARED FOR:  
TOWN OF AVON  
80 WEST MAIN STREET  
AVON CT 06001

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

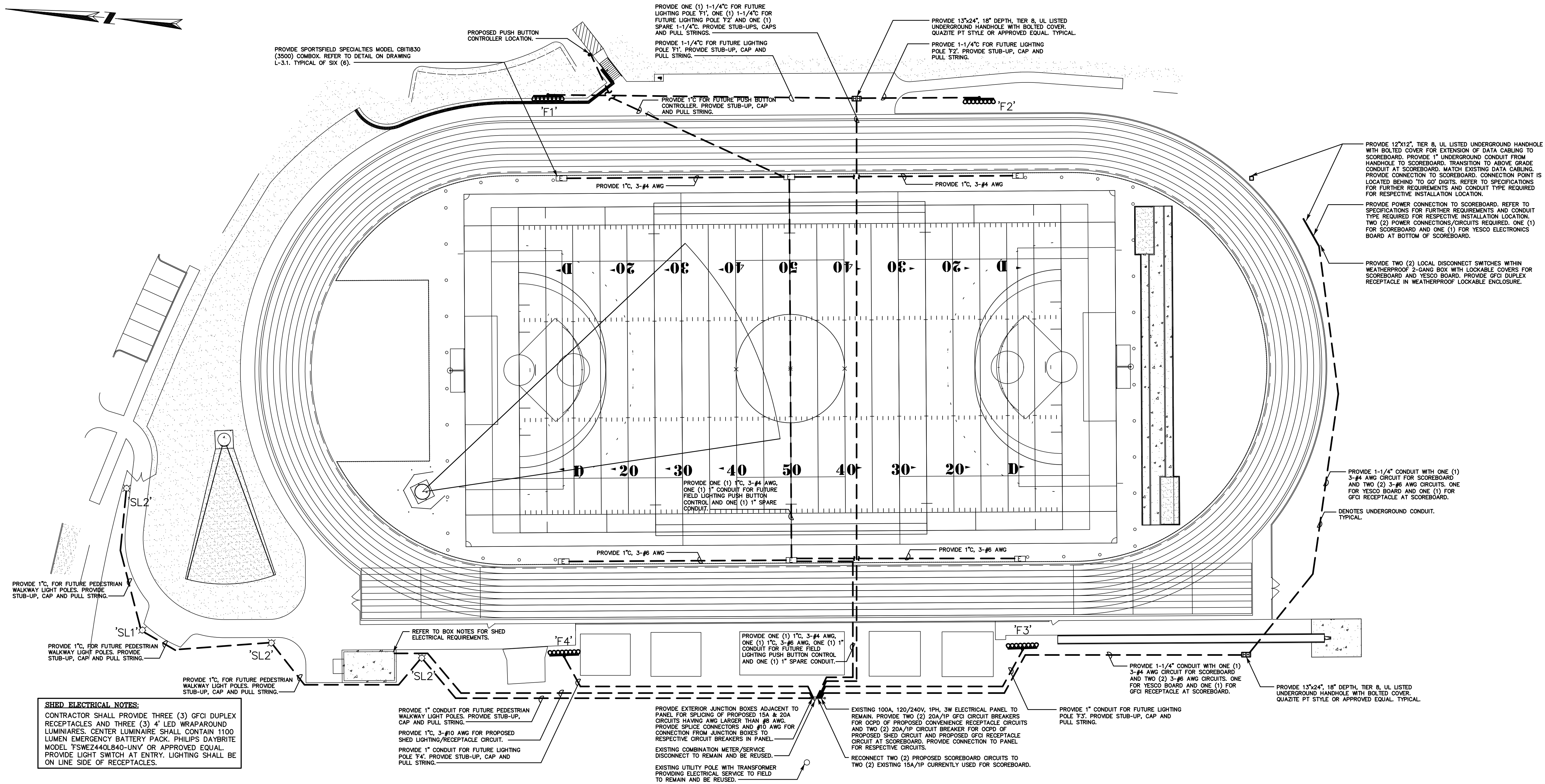
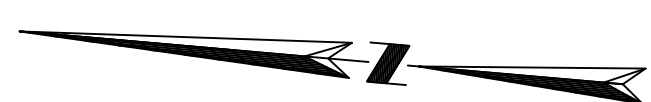
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SCALE: 1" = 30'  
0 15 30 60 FEET

FILE: AVON HS FIELD LIGHTING

DWG. NO:  
JOB. NO: DSE-1





# SITE LIGHTING PLAN

SCALE: 1"=30'-0"

CONSULTANT:

**SALAMONE  
&  
ASSOCIATES, P.C.**

CONSULTING ENGINEERS

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## ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD

IN  
AVON  
CONNECTICUT

## SITE LIGHTING PLAN

FEBRUARY 22, 2019

REVISIONS:

2/22/19 ADDENDUM NO. 1

PREPARED FOR:

TOWN OF AVON  
80 WEST MAIN STREET  
AVON CT 06001

**BSC GROUP**

300 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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SCALE: 1" = 30'

0 15 30 60 FEET

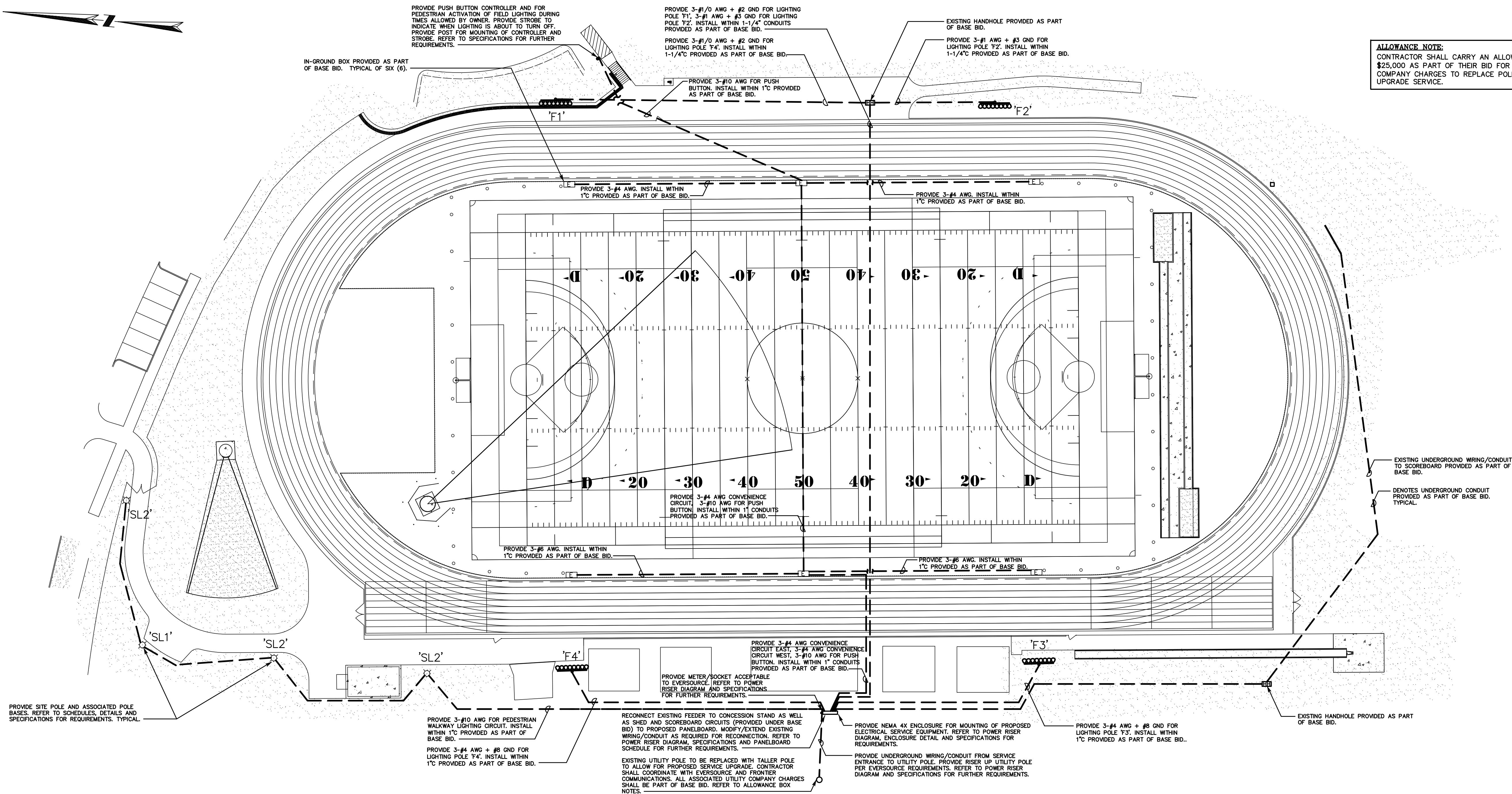
FILE: AVON HS FIELD LIGHTING

DWG. NO:

JOB. NO:

SE-1





**ALLOWANCE NOTE:**  
CONTRACTOR SHALL CARRY AN ALLOWANCE OF \$25,000 AS PART OF THEIR BID FOR UTILITY COMPANY CHARGES TO REPLACE POLE(S) AND UPGRADE SERVICE.

**ADD ALTERNATE #1 & #2  
SITE LIGHTING PLAN**  
SCALE: 1"=30'-0"

CONSULTANT:  
**SALAMONE & ASSOCIATES, P.C.**  
CONSULTING ENGINEERS  
116 North Plains Industrial Road  
Wallingford, Connecticut 06492  
Phone: (203) 281-8895 Fax: (203) 287-8728

**ATHLETIC FACILITY  
IMPROVEMENTS AT  
AVON HIGH SCHOOL**

510 WEST AVON ROAD  
IN  
AVON  
CONNECTICUT  
ADD ALTERNATE #1 & #2  
SITE  
LIGHTING  
PLAN  
FEBRUARY 22, 2019

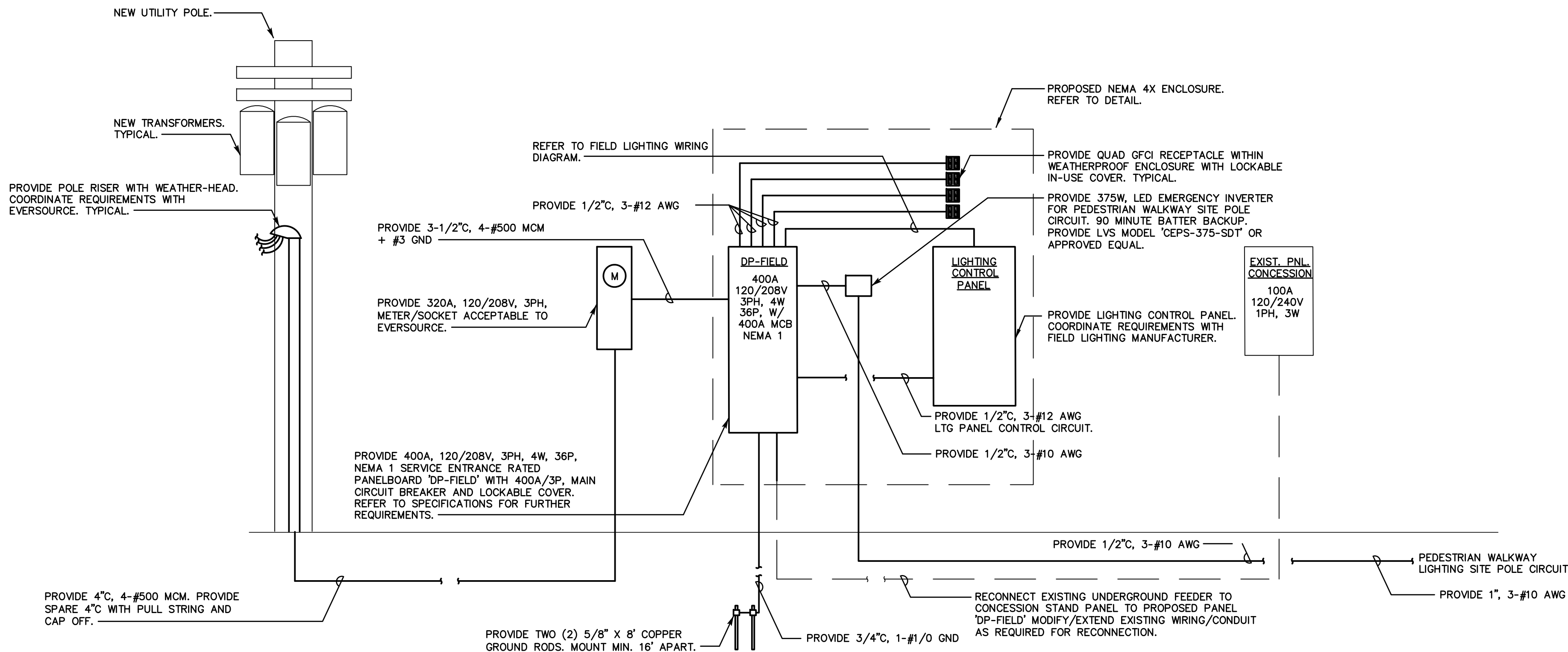
REVISIONS:	2/22/19	ADDENDUM NO. 1

PREPARED FOR:  
TOWN OF AVON  
80 WEST MAIN STREET  
AVON CT 06001

**BSC GROUP**  
300 Winding Brook Drive  
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860 652 8227

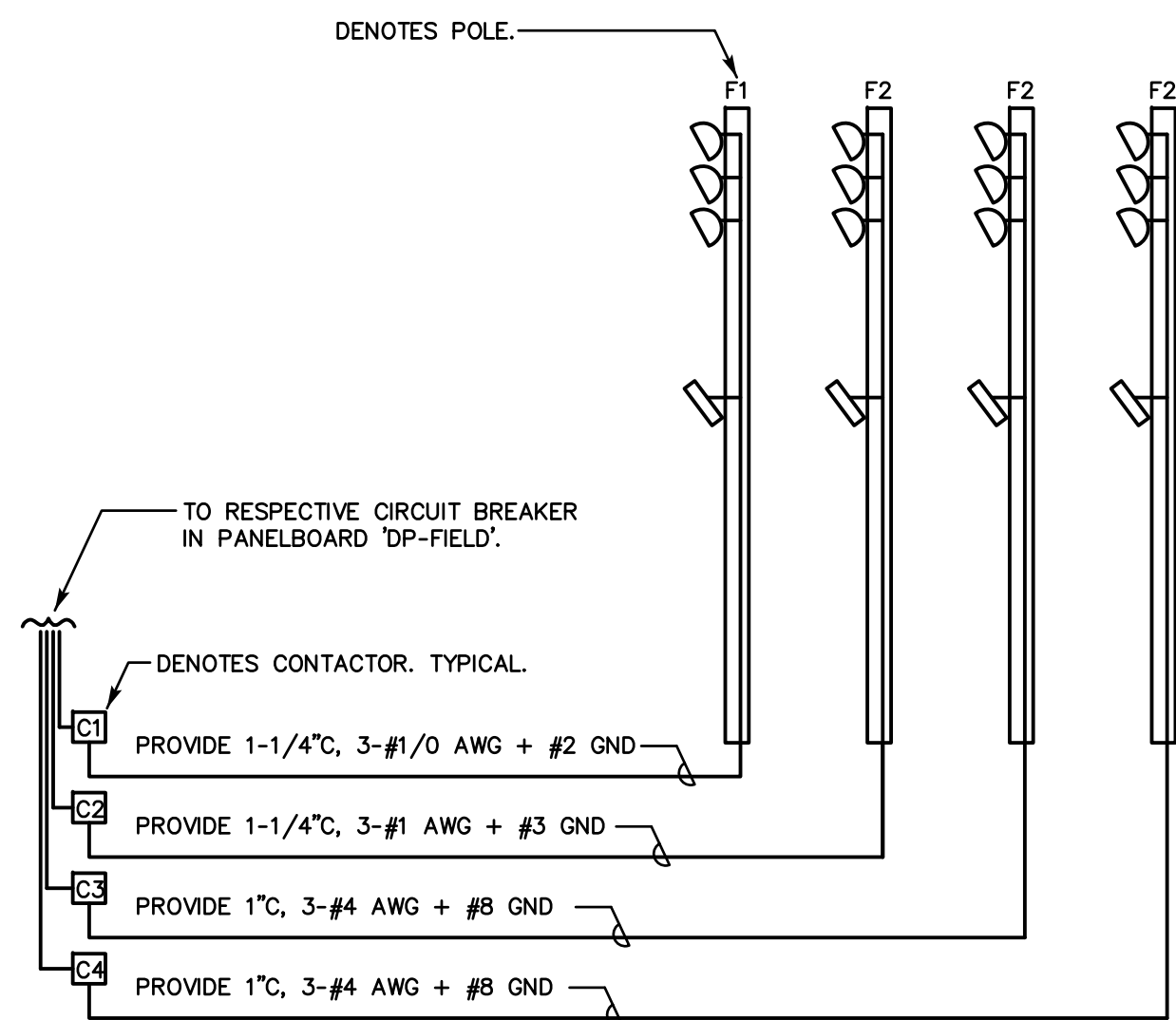
© 2019 BSC GROUP, INC.  
SCALE: 1" = 30'  
0 15 30 60 FEET  
FILE: AVON HS FIELD LIGHTING  
DWG. NO:  
JOB. NO: SE-1ALT





**ADD ALTERNATE #1 & #2**  
**POWER RISER DIAGRAM**

SCALE: N.T.S.

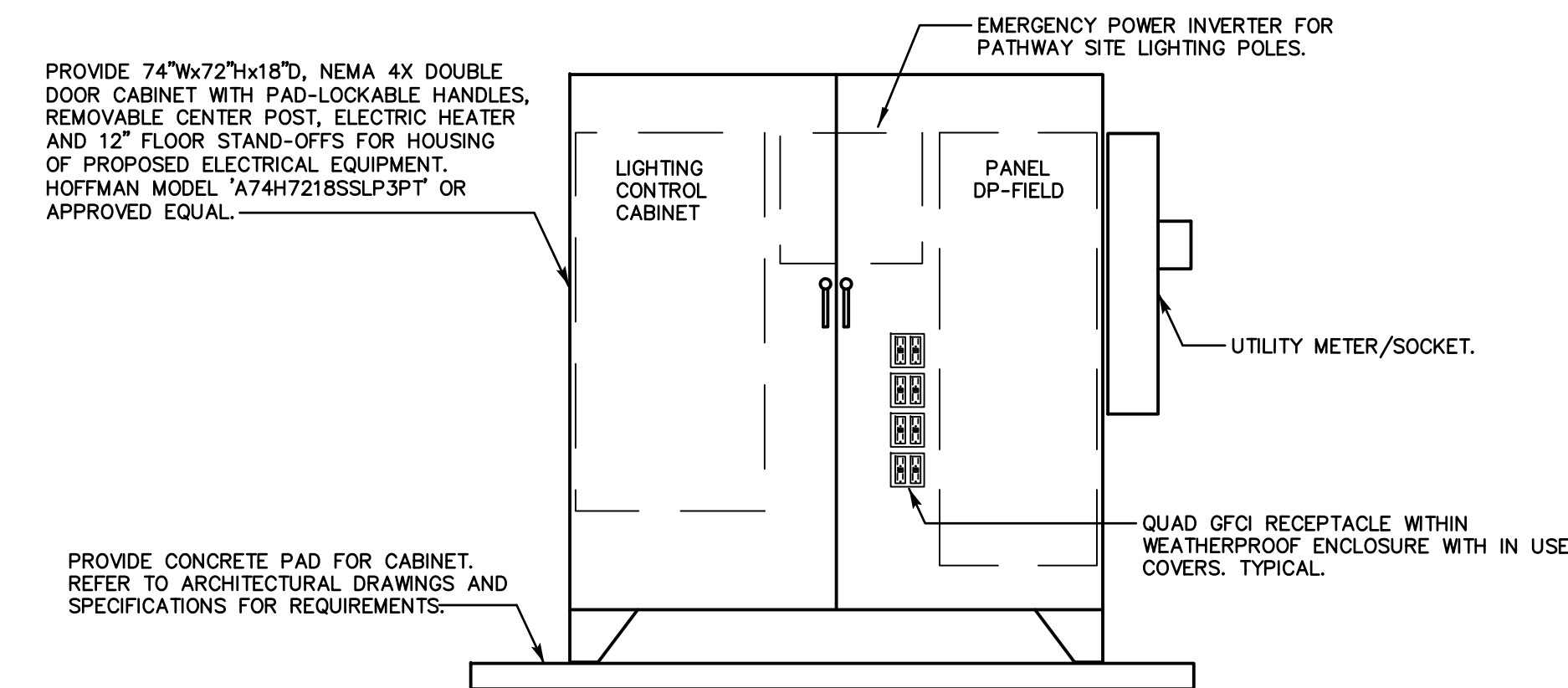


**ADD ALTERNATE #1 & #2**  
**FIELD LIGHTING WIRING**

SCALE: N.T.S.

FIELD LIGHTING LUMINAIRE SCHEDULE						
LTG. CODE	LUMINAIRE				POLES	
	QUANTITY	LAMPING	MOUNTING HEIGHT	AREA OF ILLUMINATION	VOLTS	HEIGHT
F1'	NINE (9) TWO (2)	TLC-LED-1500 TLC-BT-575	80 FT. 16 FT.	FIELD BALL TRACKER	208 208	80 FT. GALV. STEEL
F2'	NINE (9) TWO (2)	TLC-LED-1500 TLC-BT-575	80 FT. 16 FT.	FIELD BALL TRACKER	208 208	80 FT. GALV. STEEL
F3'	NINE (9) TWO (2)	TLC-LED-1500 TLC-BT-575	80 FT. 16 FT.	FIELD BALL TRACKER	208 208	80 FT. GALV. STEEL
F4'	NINE (9) TWO (2)	TLC-LED-1500 TLC-BT-575	80 FT. 16 FT.	FIELD BALL TRACKER	208 208	80 FT. GALV. STEEL

**FIELD LIGHTING CONTROL AND MONITORING CABINET NOTES:**  
1. CABINET SHALL BE PROVIDED WITH FOUR (4) 60A, 240V, 3P CONTACTORS, AS WELL AS OFF/ON/AUTO SWITCH.  
2. FIELD LIGHTING SWITCHING CONTROL SHALL BE AS FOLLOWS:  
- FIELD POLES F1, F2, F3 & F4



**ADD ALTERNATE #1 & #2**  
**ELECTRICAL EQUIPMENT ENCLOSURE DETAIL**

SCALE: N.T.S.

FIELD LIGHTING CONTROL SUMMARY							
LTG. POLE	LIGHTING CIRCUIT	NUMBER OF FIXTURES	NUMBER OF DRIVERS	FLA	CONTACTOR SIZE (AMPS)	CONTACTOR IDENTIFICATION	ZONE
F1'	FIELD (EAST SIDE)	11	11	52.3	60	C1	1
F2'	FIELD (EAST SIDE)	11	11	52.3	60	C2	1
F3'	FIELD (WEST SIDE)	11	11	52.3	60	C3	1
F4'	FIELD (WEST SIDE)	11	11	52.3	60	C4	1

ZONE SCHEDULE				
ZONE	ZONE DESCRIPTION	SELECTOR SWITCH	POLE IDENTIFICATION	CONTACTOR IDENTIFICATION
1	FIELD LIGHTING POLE	1	F1	C1
1	FIELD LIGHTING POLE	1	F2	C2
1	FIELD LIGHTING POLE	1	F3	C3
1	FIELD LIGHTING POLE	1	F4	C4

**ADD ALTERNATE #1 & #2**

CONSULTANT:

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ATHLETIC FACILITY  
IMPROVEMENTS AT  
AVON HIGH SCHOOL

510 WEST AVON ROAD

IN  
AVON  
CONNECTICUT

ELECTRICAL  
SCHEDULES  
AND  
DIAGRAMS

FEBRUARY 22, 2019

REVISIONS:

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PREPARED FOR:  
TOWN OF AVON  
80 WEST MAIN STREET  
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**BSC GROUP**  
300 Winding Brook Drive  
Glastonbury, Connecticut 06033  
860 652 8227

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SCALE: N.T.S.

FILE: AVON HS FIELD LIGHTING

DWG. NO:

JOB. NO:

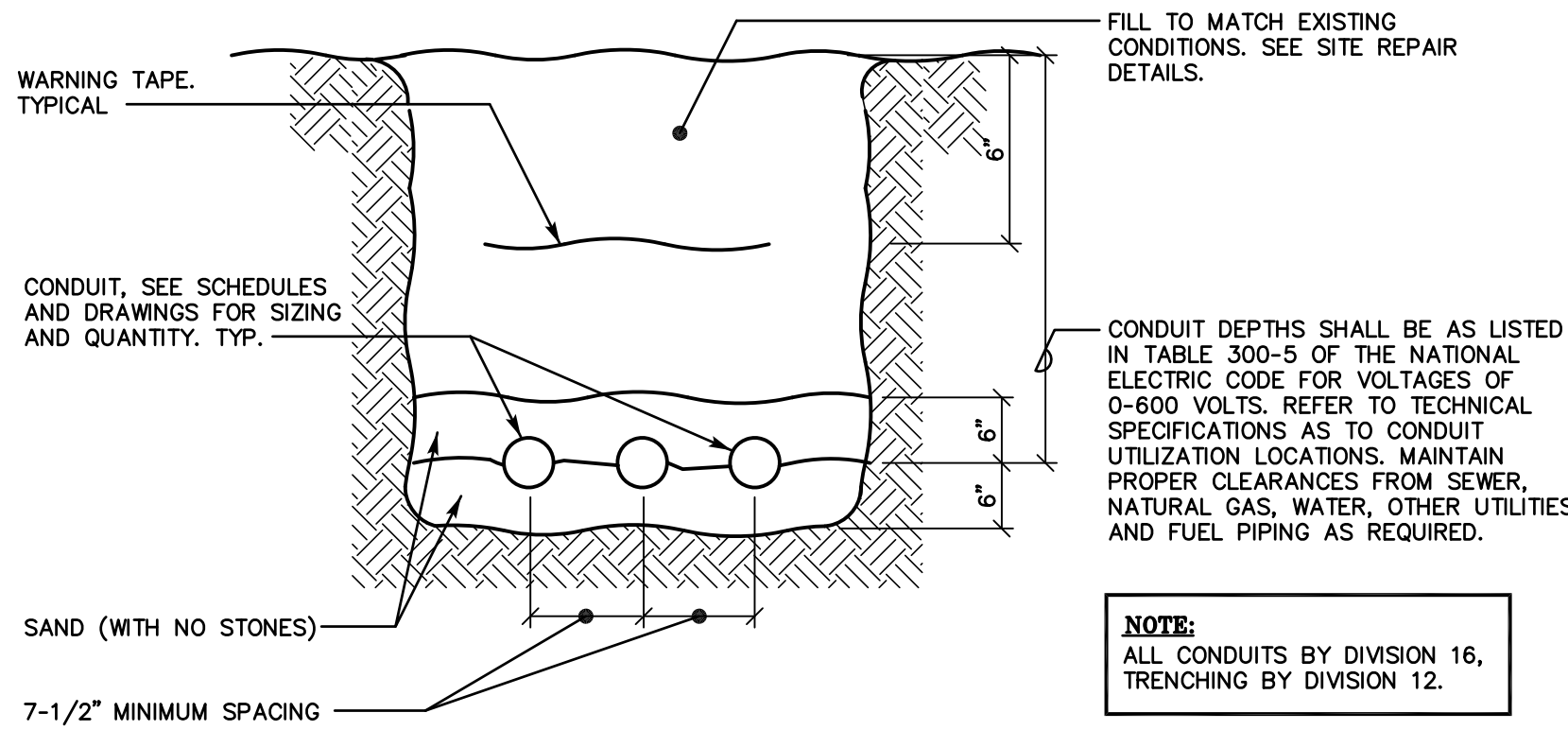
SE-2



PANELBOARD DP-FIELD		Class: Type:			Short Circuit Rating (Min.): 65 K.A.I.C. Remark:		
SERVICE		120/208 Volts    3 Phase    4 Wire			S/E Label: YES		
PANELBOARD CONFIGURATION		400 AMPERE MAIN BUS Trim: SURFACE			Entrance: TOP/BOTTOM Equipment Ground Bus: YES		
MAIN		Type: 400A MAIN CIRCUIT BREAKER Wire Size: SEE RISER			Enclosure: NEMA 1, LOCKABLE COVER		
BRANCH CIRCUITS		Branch Protective Devices: (MOLDED CASE CIRCUIT BREAKERS)					
Circ No	Circuit Designation	KVA Load	Pole	Trip Amps	Frame Amps	Wire (min.)	See Remark
1	LIGHT POLE F1	23.5	3	70	100	SEE DRAWINGS	
2	LIGHT POLE F2	23.5	3	70	100	SEE DRAWINGS	
3	- - -	-	-	-	-	- - -	
4	- - -	-	-	-	-	- - -	
5	- - -	-	-	-	-	- - -	
6	- - -	-	-	-	-	- - -	
7	LIGHT POLE F3	23.5	3	70	100	SEE DRAWINGS	
8	LIGHT POLE F4	23.5	3	70	100	SEE DRAWINGS	
9	- - -	-	-	-	-	- - -	
10	- - -	-	-	-	-	- - -	
11	- - -	-	-	-	-	- - -	
12	- - -	-	-	-	-	- - -	
13	EXIST CONCESSION PANEL	10.0	2	90	100	EXISTING	
14	SCOREBOARD	1.6	1	20	100	SEE DRAWINGS	
15	- - -	-	-	-	-	- - -	
16	SCOREBOARD	1.6	1	20	100	SEE DRAWINGS	
17	- - -	-	-	-	-	- - -	
18	RECEPT - SCOREBOARD	0.2	1	20	100	SEE DRAWINGS	
19	PATHWAY LIGHTING	0.3	1	20	100	1" C, 3-#10 AWG	
20	SHED LIGHTING & RECEPT	0.5	1	20	100	1" C, 3-#10 AWG	
21	GFCI QUAD RECEPT	0.4	1	20	100	1/2" C, 3-#12 AWG	
22	GFCI QUAD RECEPT	0.4	1	20	100	1/2" C, 3-#12 AWG	
23	GFCI QUAD RECEPT	0.4	1	20	100	1/2" C, 3-#12 AWG	
24	GFCI QUAD RECEPT	0.4	1	20	100	1/2" C, 3-#12 AWG	
25	CONV RECEPT FIELD EAST	1.2	1	20	100	SEE DRAWINGS	
26	CONV RECEPT FIELD WEST	1.2	1	20	100	SEE DRAWINGS	
27	LTG PANEL CONTROL CIRC	1.6	1	20	100	1/2" C, 3-#12 AWG	
28	PREPARED SPACE	-	1	-	100	- - -	
29	PREPARED SPACE	-	1	-	100	- - -	
30	PREPARED SPACE	-	1	-	100	- - -	
31	PREPARED SPACE	-	1	-	100	- - -	
32	SPD	-	1	30	100	- - -	
33	PREPARED SPACE	-	1	-	100	- - -	
34	- - -	-	-	-	-	- - -	
35	PREPARED SPACE	-	1	-	100	- - -	
36	- - -	-	-	-	-	- - -	
TOTAL		113.8					

PROVIDE PANEL WITH SURGE PROTECTION DEVICE (SPD), LEVITON MODEL "55208-ASA" OR APPROVED EQUAL.

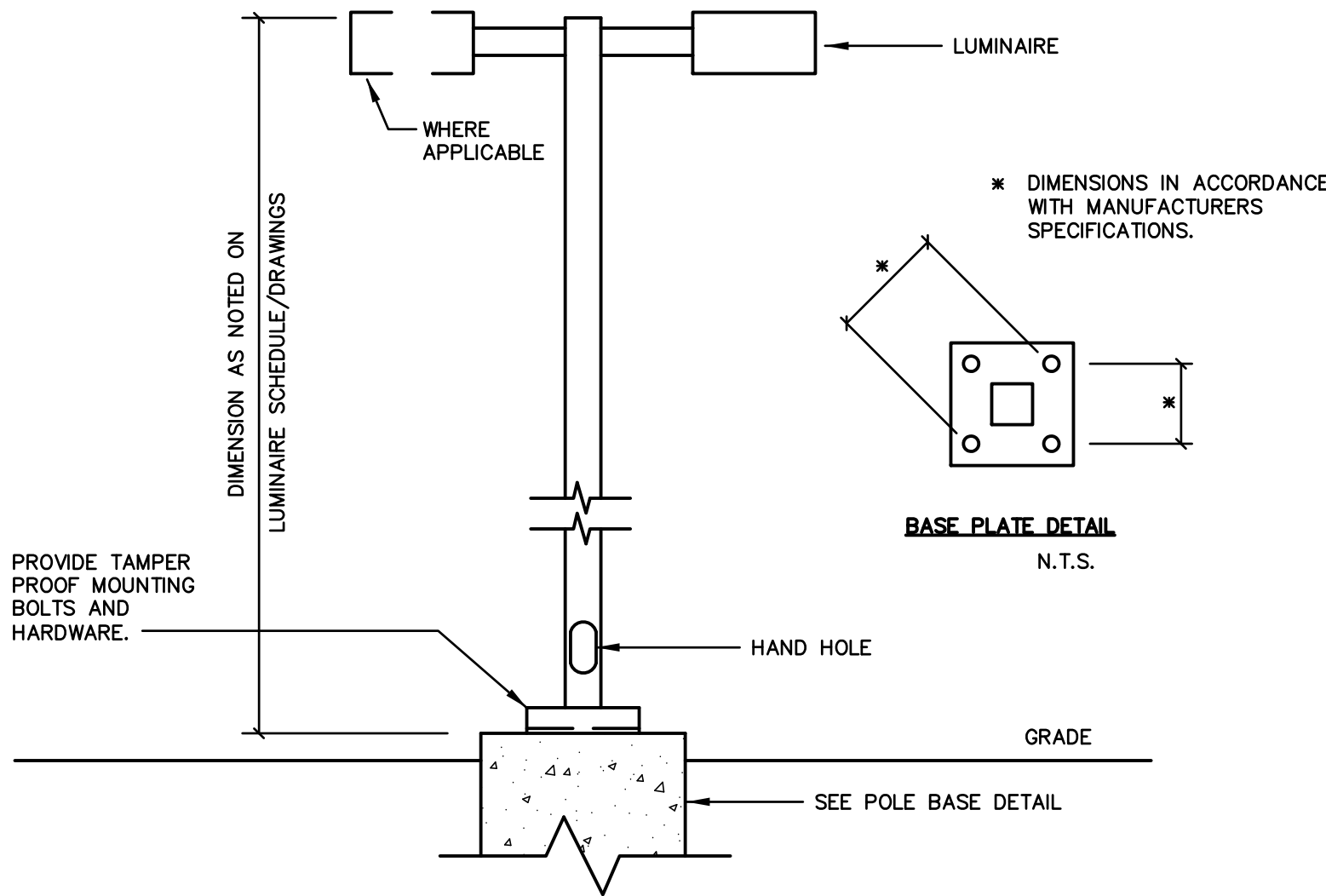
ADD ALTERNATE #1 & #2



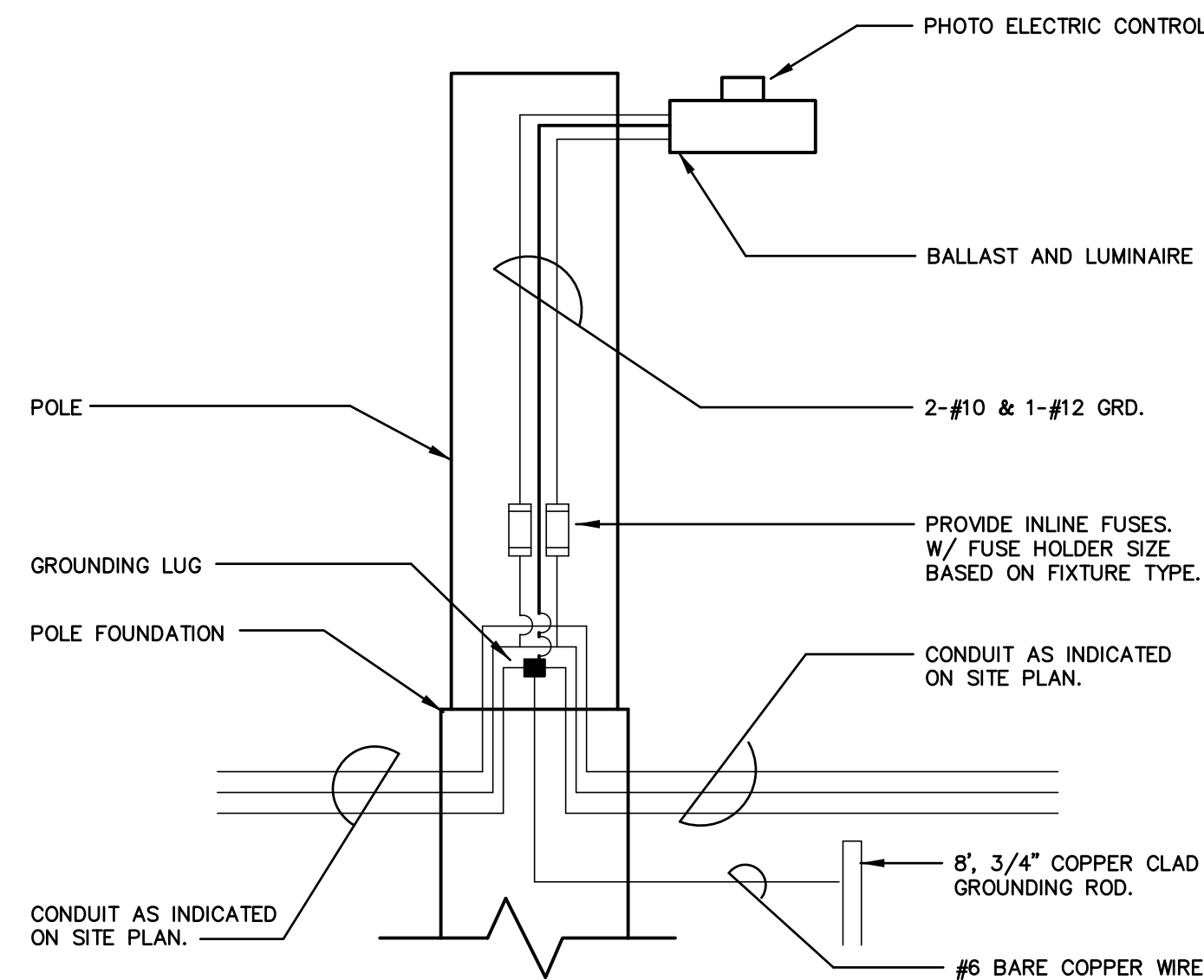
TYPICAL TRENCH DETAIL  
SCALE: N.T.S.

SITE PATHWAY LUMINAIRE SCHEDULE					
LTG. CODE	DESCRIPTIONS	VOLTS	CATALOG NO./ MANUFACTURER	MOUNTING	LAMP
'SL1'	27.5"x15" LOW PROFILE LED SITE LUMINAIRE FIXTURE AND 14'-0" HIGH 4" STRAIGHT ROUND STEEL POLE, TYPE III DISTRIBUTION, 6,040 LUMENS, 4000K COLOR, COLOR BY ARCHITECT, PHOTOCELL, UL LISTED WET LOCATIONS.	120	ECF-S-32L-530-NW-G2-AR-3-120-XXX-PCB POLE: SRS-14-4-D1-XX PHILIPS GARDCO	SITE/ POLE	LED
'SL2'	27.5"x15" LOW PROFILE LED SITE LUMINAIRE FIXTURE AND 14'-0" HIGH 4" STRAIGHT ROUND ALUMINUM POLE, TYPE II DISTRIBUTION, 6,170 LUMENS, 4000K COLOR, COLOR BY ARCHITECT, PHOTOCELL, UL LISTED WET LOCATIONS.	120	ECF-S-32L-530-NW-G2-AR-2-120-XXX-PCB POLE: SRS-14-4-D1-XX PHILIPS GARDCO	SITE/ POLE	LED

ADD ALTERNATE #1 & #2



ADD ALTERNATE #1 & #2  
TYP. PATHWAY LIGHT POLE AND  
LUMINAIRE DETAIL  
SCALE: N.T.S.



ADD ALTERNATE #1 & #2  
TYPICAL PATHWAY LIGHTING  
POLE WIRING SCHEMATIC  
SCALE: N.T.S.

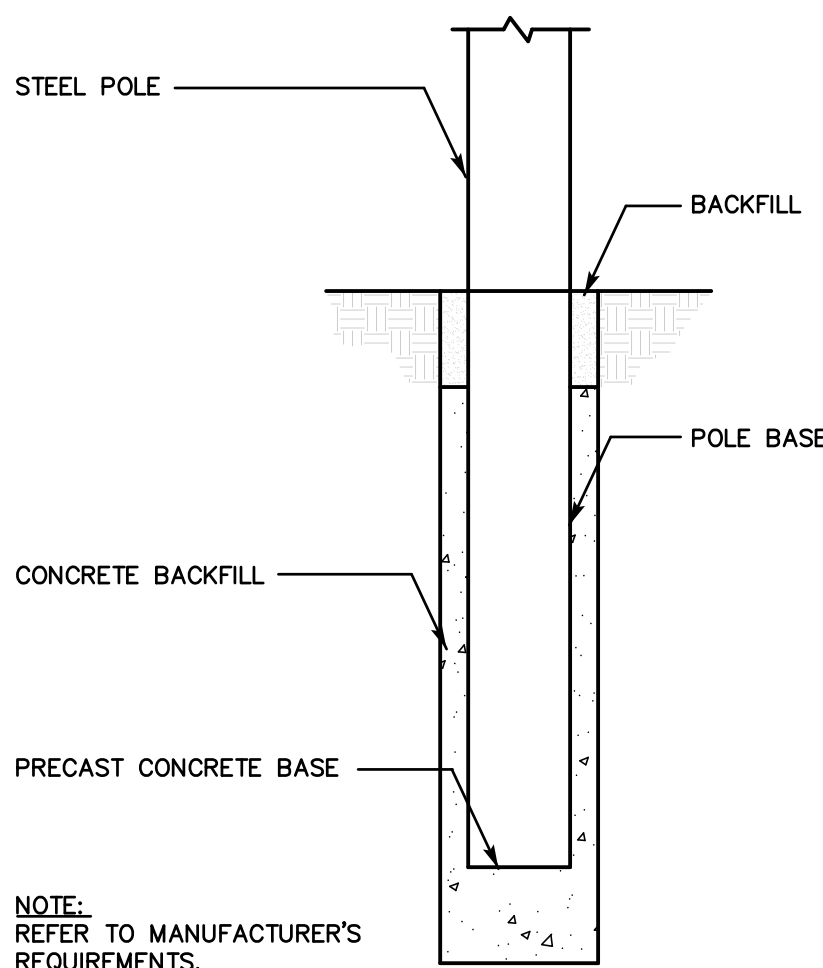
## WARNING

"CALL BEFORE YOU DIG"  
1-800-922-4455"

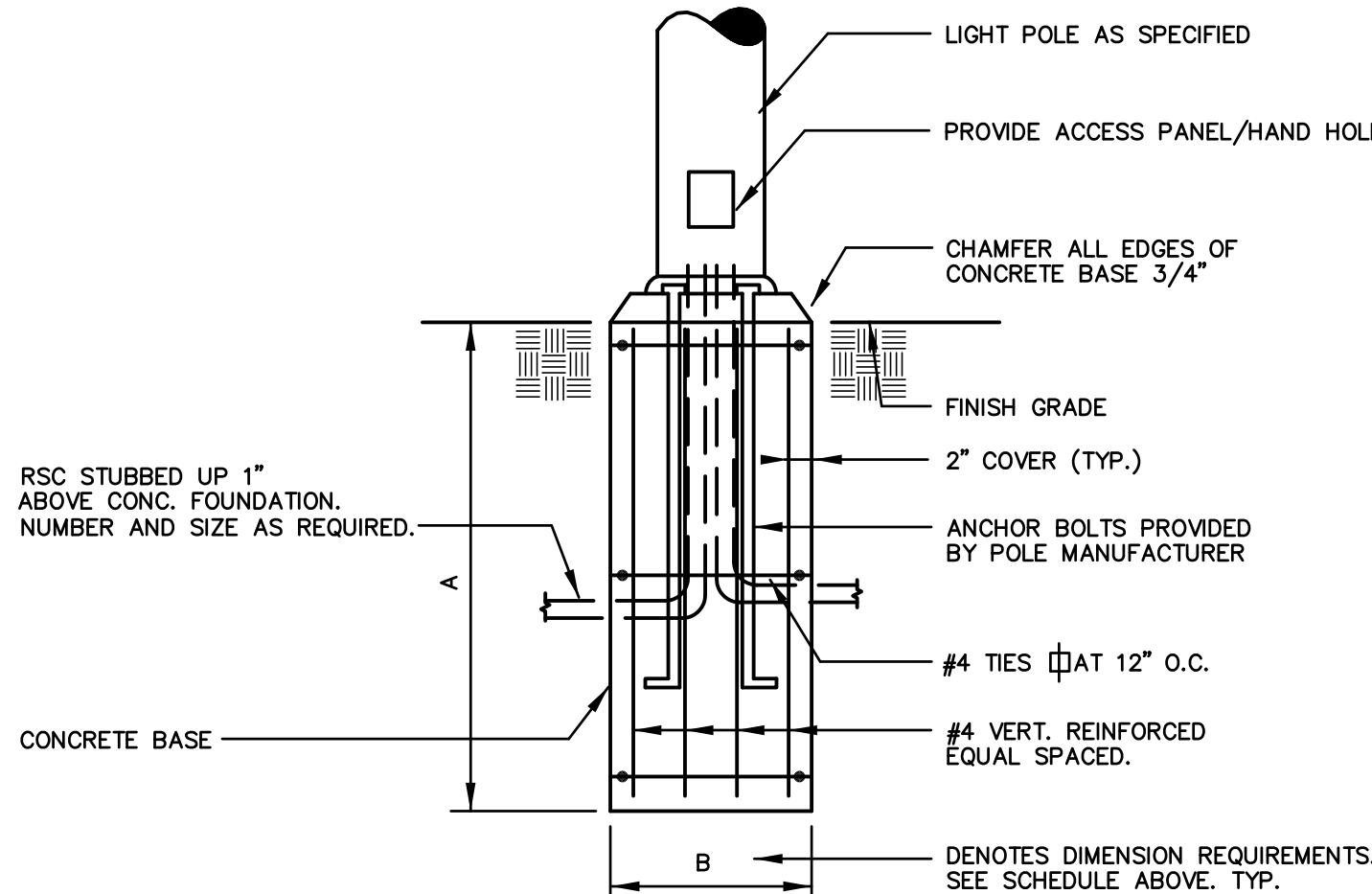
"CONTRACTOR SHALL REGISTER HIS INTENTION TO START EXCAVATIONS AT OR NEAR A PUBLIC UTILITY AT LEAST TWO FULL WORKING DAYS PRIOR TO THE ACTIVITY."

### NOTES:

- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND PAYMENT FOR ALL UTILITIES DAMAGED DURING CONSTRUCTION.
- THE LOCATION OF ALL UNDERGROUND UTILITIES IS BASED UPON THE BEST AVAILABLE INFORMATION. CONTRACTOR TO CONFIRM LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
- CONTRACTOR TO RETURN SITE TO ORIGINAL CONDITION AFTER INSTALLATION OF UNDERGROUND UTILITIES.



ADD ALTERNATE #1 & #2  
TYPICAL POLE FOUNDATION DETAIL  
POLES F1, F2, F3, F4  
SCALE: N.T.S.



BOLT-DOWN POLE FOUNDATION SCHEDULE			
POLE HEIGHT	A	B	VERTICAL REINFORCEMENT
14 FT.	60"	24"	12-#4

ADD ALTERNATE #1 & #2  
TYPICAL PATHWAY LIGHTING  
CAST-IN-PLACE POLE BASE DETAIL  
SCALE: N.T.S.

CONSULTANT:

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IN  
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CONNECTICUT

ELECTRICAL  
DETAILS, SYMBOLS  
NOTES AND  
ABBREVIATIONS

FEBRUARY 22, 2019

### REVISIONS:

2/22/19 ADDENDUM NO. 1

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FILE: AVON HS FIELD LIGHTING

DWG. NO:  
JOB. NO:

SE-3