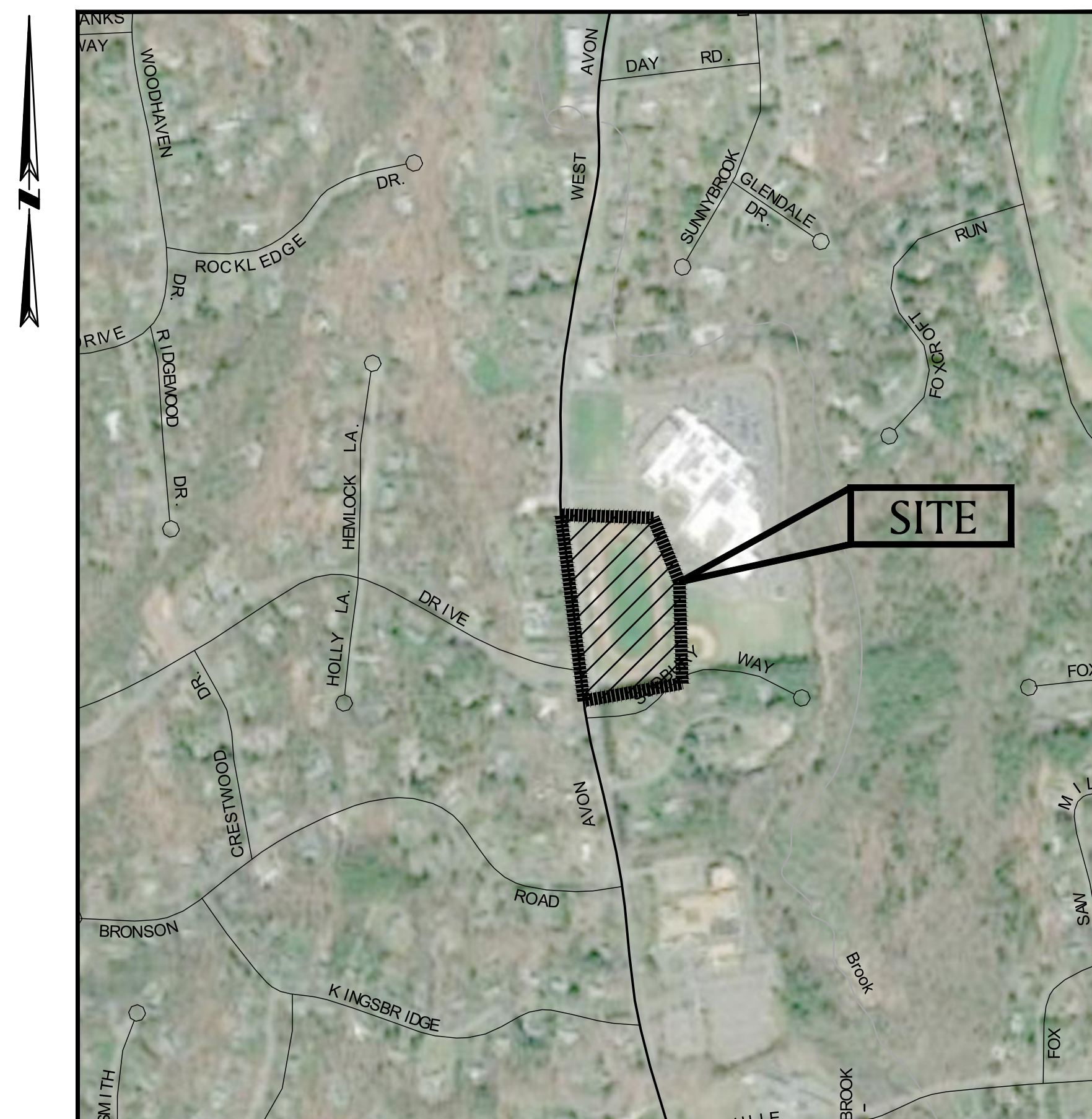


ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

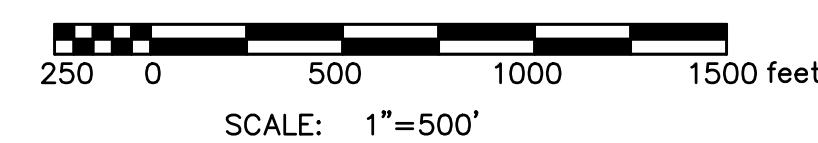
510 WEST AVON ROAD
 AVON, CONNECTICUT
 FEBRUARY 11, 2019

Index of Drawings

Sheet Number	Sheet Title
T-1.0	COVER
EX-1.0	EXISTING CONDITIONS PLAN
EX-1.1	EXISTING CONDITIONS PLAN
EX-1.2	EXISTING CONDITIONS PLAN
O-1.0	OVERALL SITE PLAN
C-1.0	EROSION AND SEDIMENT CONTROL PLAN
C-2.0	SITE PREPARATION PLAN
C-2.1	MAINTENANCE AND PROTECTION OF TRAFFIC PLAN
C-3.0	GRADING AND DRAINAGE PLAN ENLARGEMENT
L-1.0	LAYOUT PLAN
L-1.1	TRACK LAYOUT PLAN
L-1.2	FIELD LAYOUTS
L-2.0	MATERIALS PLAN
L-3.0	DETAILS
L-3.1	DETAILS
L-3.2	DETAILS
L-3.3	DETAILS
L-3.4	DETAILS
L-3.5	DETAILS
L-4.0	OVERALL PLANTING PLAN
L-4.1	PLANTING PLAN ENLARGEMENTS
L-4.2	PLANTING PLAN ENLARGEMENTS (CONT.)
S-1.0	SEGMENTAL RETAINING WALL PLAN, ELEVATION AND DETAILS



SITE MAP



ISSUED FOR BID



PREPARED FOR:

TOWN OF AVON
 60 WEST MAIN STREET
 AVON, CT 06001

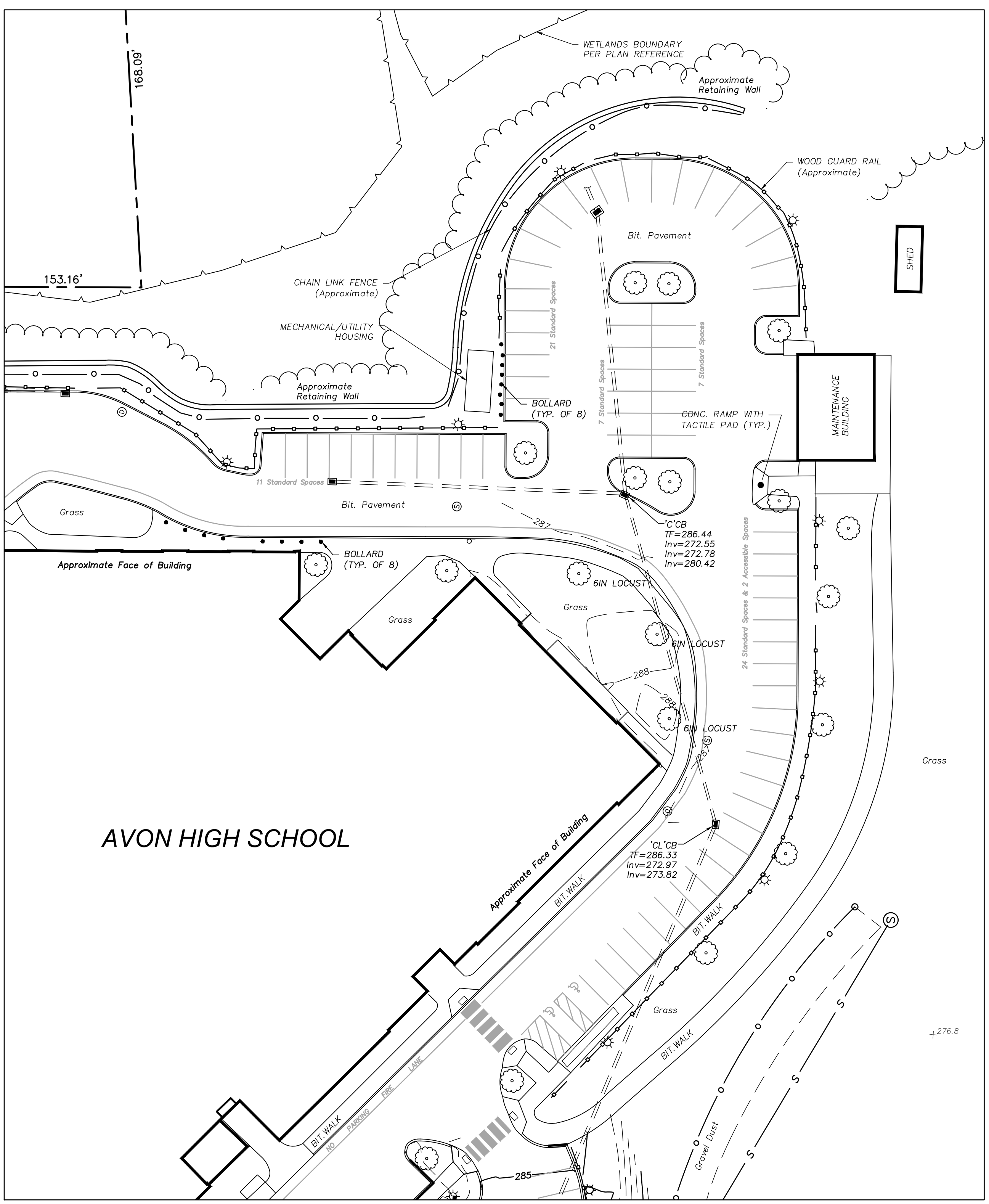
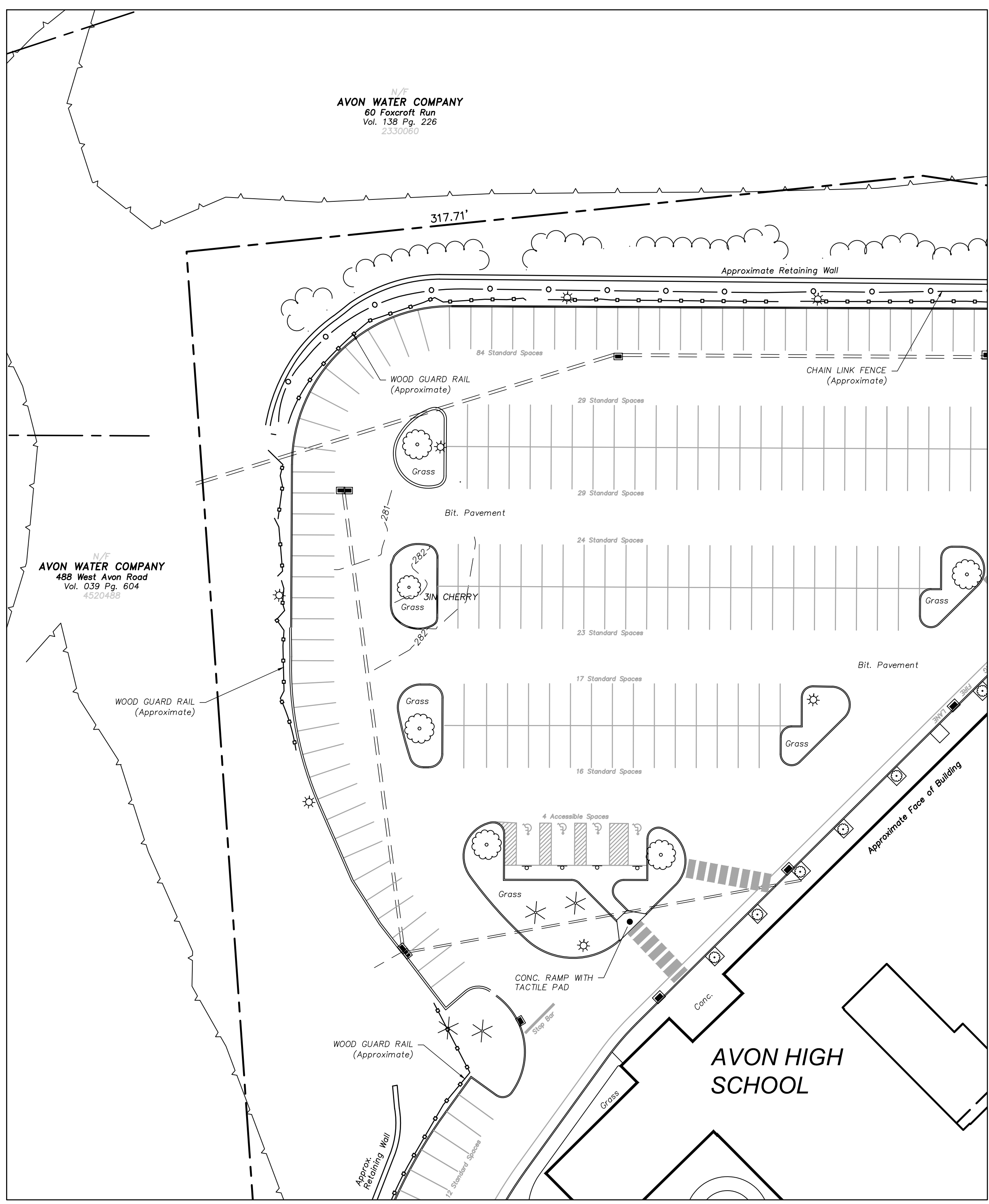
PREPARED BY:



CT GRID (NAD83)

LEGEND

- ☼ LIGHT POLE
- SIGN
- DECIDUOUS TREE
- ✱ CONIFEROUS TREE
- BOLLARD
- ⊙ SEWER MANHOLE
- ⊕ DRAIN MANHOLE
- CATCH BASIN
- TREE/BRUSH LINE
- 295 CONTOUR MAJOR
- 293 CONTOUR MINOR
- SEWER LINE
- DRAIN LINE
- CHAIN LINK FENCE
- WOOD GUARD RAIL
- PROPERTY LINE
- +100.00 SPOT ELEVATION
- BIT. BITUMINOUS



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

FEBRUARY 11, 2019

REVISIONS:

NO.	DESCRIPTION

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

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

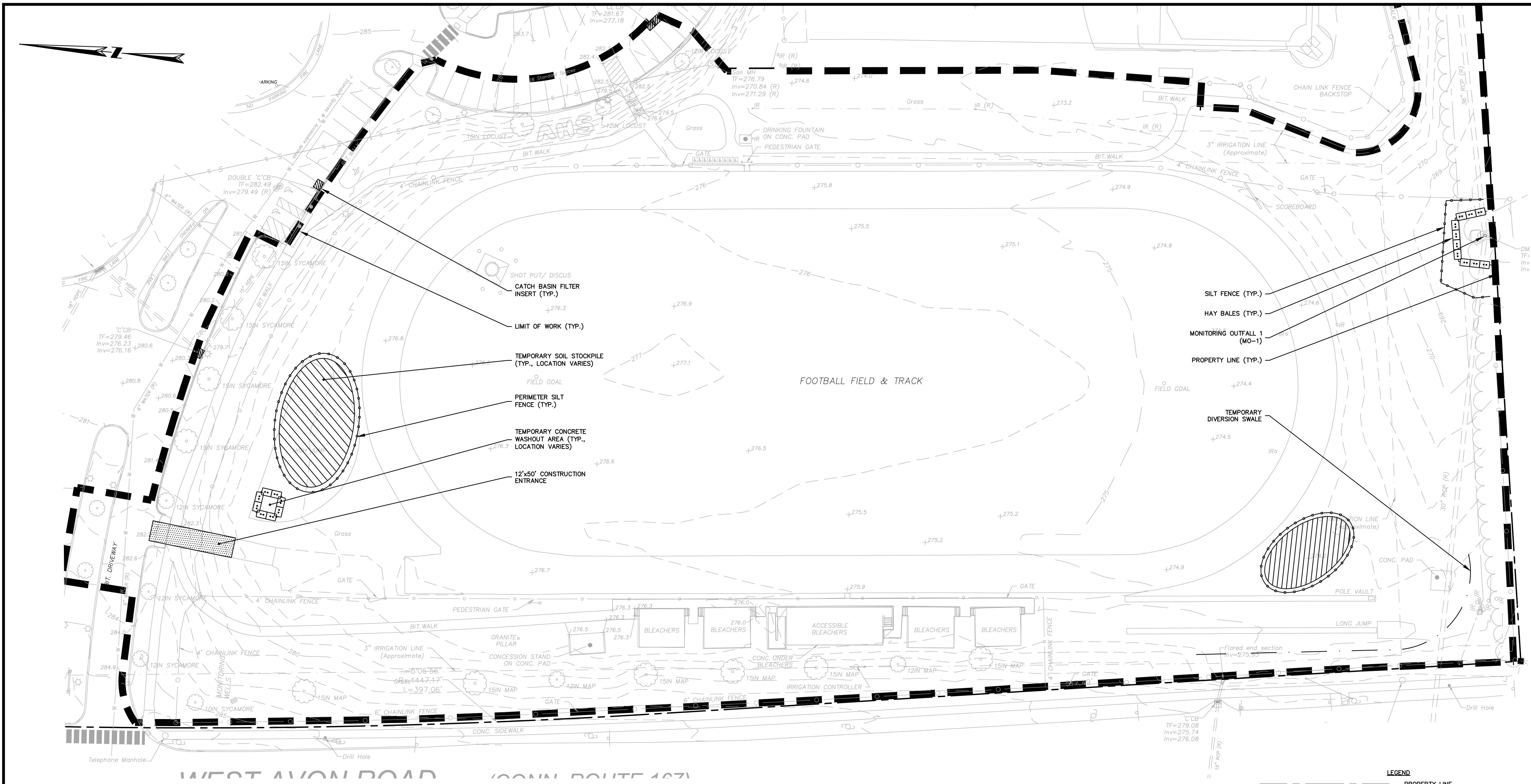
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SCALE: 1" = 30'
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FILE: 83572.02-XCP.DWG
DWG. NO:
JOB. NO: 83572.02

EX-1.2

SEE SHEET EX-1.0 FOR SURVEY NOTES & MAP REFERENCES

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL - FEBRUARY 11, 2019



ROBERT NEWTON, PE No. 20682

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD
IN
AVON
CONNECTICUT

EROSION AND SEDIMENT CONTROL PLAN

FEBRUARY 11, 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'
0 15 30 60 FEET

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

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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 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.
 - 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.

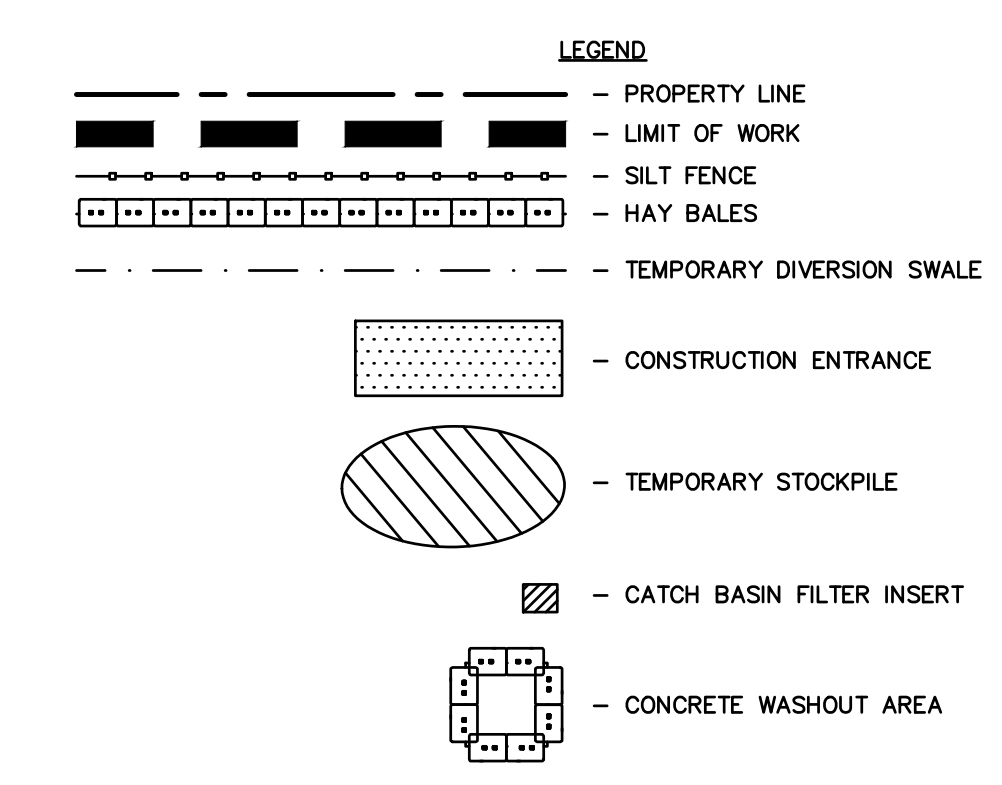
TEMPORARY E&S MEASURES MAINTENANCE SCHEDULE

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

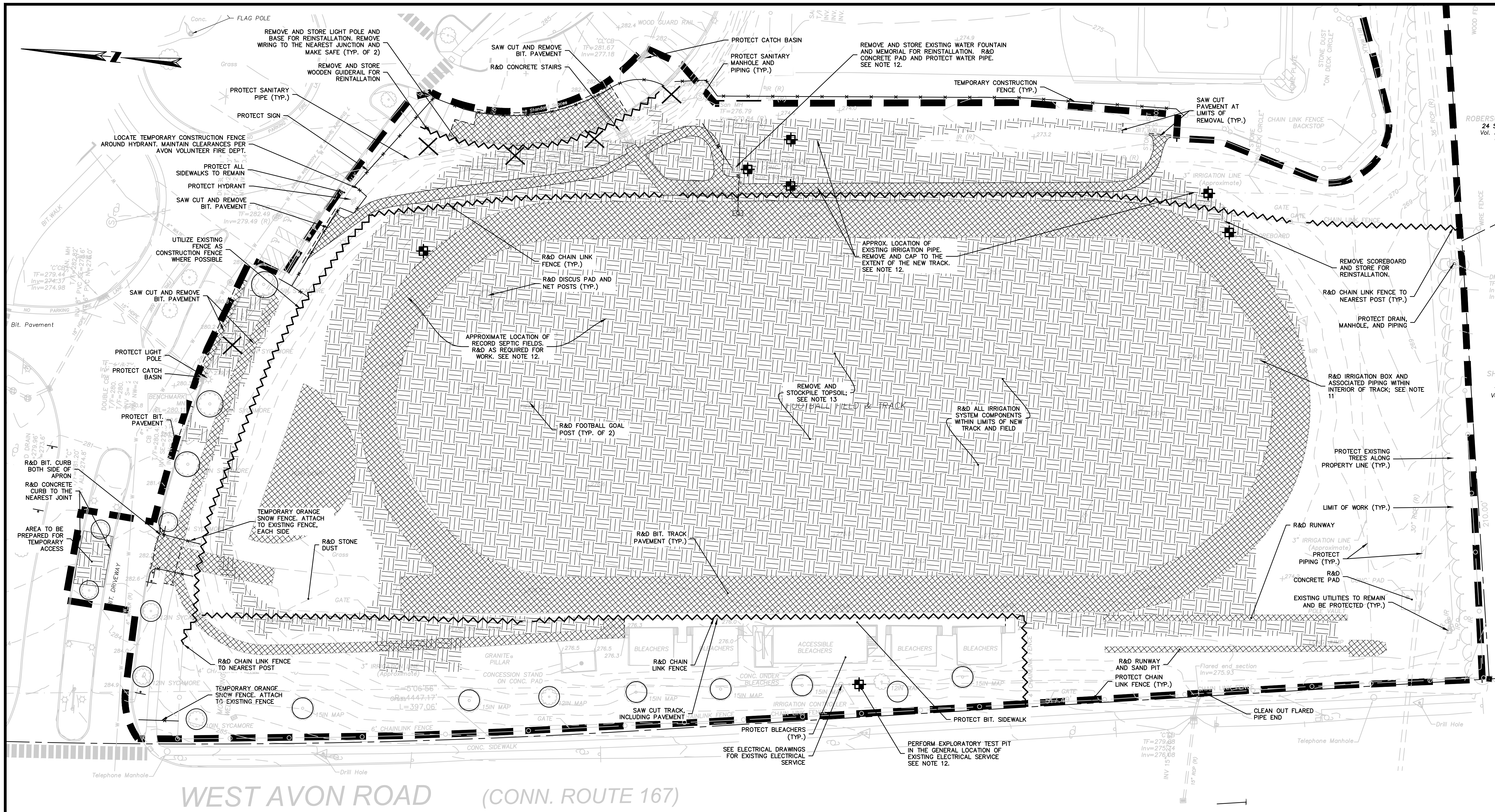
SUGGESTED CONSTRUCTION SEQUENCE:

- CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.
- INSTALL CONSTRUCTION ENTRANCE(S) AND PLACE CATCH BASIN 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 THE DRAWINGS.

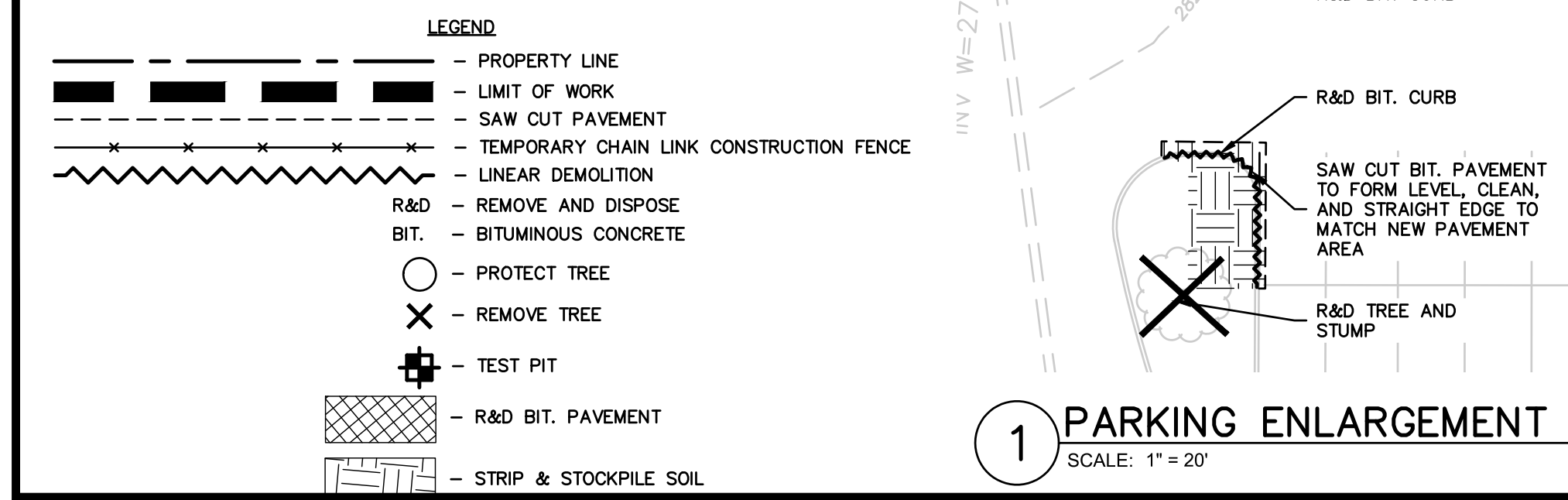
NOTE: THE CONTRACTOR MAY MODIFY THE SUGGESTED CONSTRUCTION SEQUENCE INDICATED ABOVE, PROVIDED A REVISED SEQUENCE IS SUBMITTED FOR REVIEW AND APPROVED BY THE OWNER AND ENGINEER.



- ALTERNATES:**
- ALTERNATE 1 - SPORTS FIELD AND PEDESTRIAN LIGHTING.
 - ALTERNATE 2 - SPORTS FIELD AND PEDESTRIAN LIGHTING, EXTENDED CONSTRUCTION SCHEDULE
 - ALTERNATE 3 - LANDSCAPE PLANT BUFFER, WEST AVON ROAD AND SUDBURY WAY
 - ALTERNATE 4 - LANDSCAPE PLANT BUFFER, SOUTHEAST
 - ALTERNATE 5 - LANDSCAPE PLANT BUFFER, NORTH FIELD



WEST AVON ROAD (CONN. ROUTE 167)



1 PARKING ENLARGEMENT
SCALE: 1" = 20'

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.
- 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 FOUR (4) INCHES OF LOAM, SEED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.
- REMOVE IRRIGATION HEADS AND PIPING ASSOCIATED WITH TRACK AND FIELD. IRRIGATION PIPING, HEADS, OR OTHER APPURTENANCES NECESSARY FOR SURROUNDING AREAS SHALL BE PROTECTED UNLESS SPECIFICALLY DIRECTED OTHERWISE BY OWNER.
- PERFORM EXPLORATORY TEST PITS PER BID ITEM 1 AND APPROPRIATE SPECIFICATIONS.
- TOPSOIL REMOVED FROM THE FIELD AREA MAY BE USED FOR RESTORATION OF OTHER PROJECT AREAS WITH APPROVAL OF THE ENGINEER. THE TOWN SHALL RETAIN OWNERSHIP OF ALL EXCESS TOPSOIL NOT UTILIZED 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.

- ALTERNATES:
- ALTERNATE 1 - SPORTS FIELD AND PEDESTRIAN LIGHTING.
 - ALTERNATE 2 - SPORTS FIELD AND PEDESTRIAN LIGHTING, EXTENDED CONSTRUCTION SCHEDULE
 - ALTERNATE 3 - LANDSCAPE PLANT BUFFER, WEST AVON ROAD AND SUDBURY WAY
 - ALTERNATE 4 - LANDSCAPE PLANT BUFFER, SOUTHEAST
 - ALTERNATE 5 - LANDSCAPE PLANT BUFFER, NORTH FIELD



ROBERT NEWTON, PE No. 20662

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD
IN
AVON
CONNECTICUT

SITE PREPARATION PLAN

FEBRUARY 11, 2019

REVISIONS:

NO.	DESCRIPTION

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

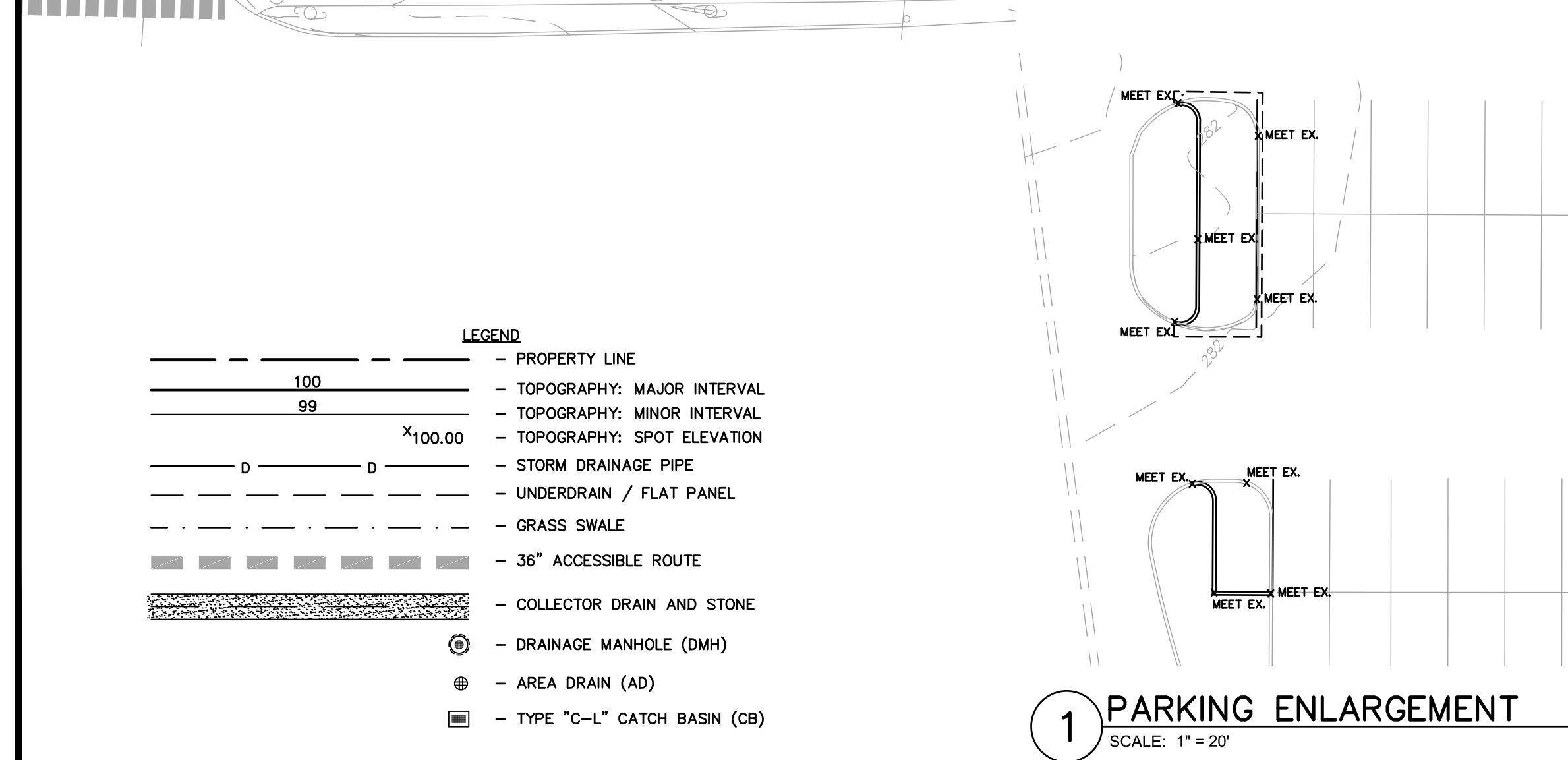
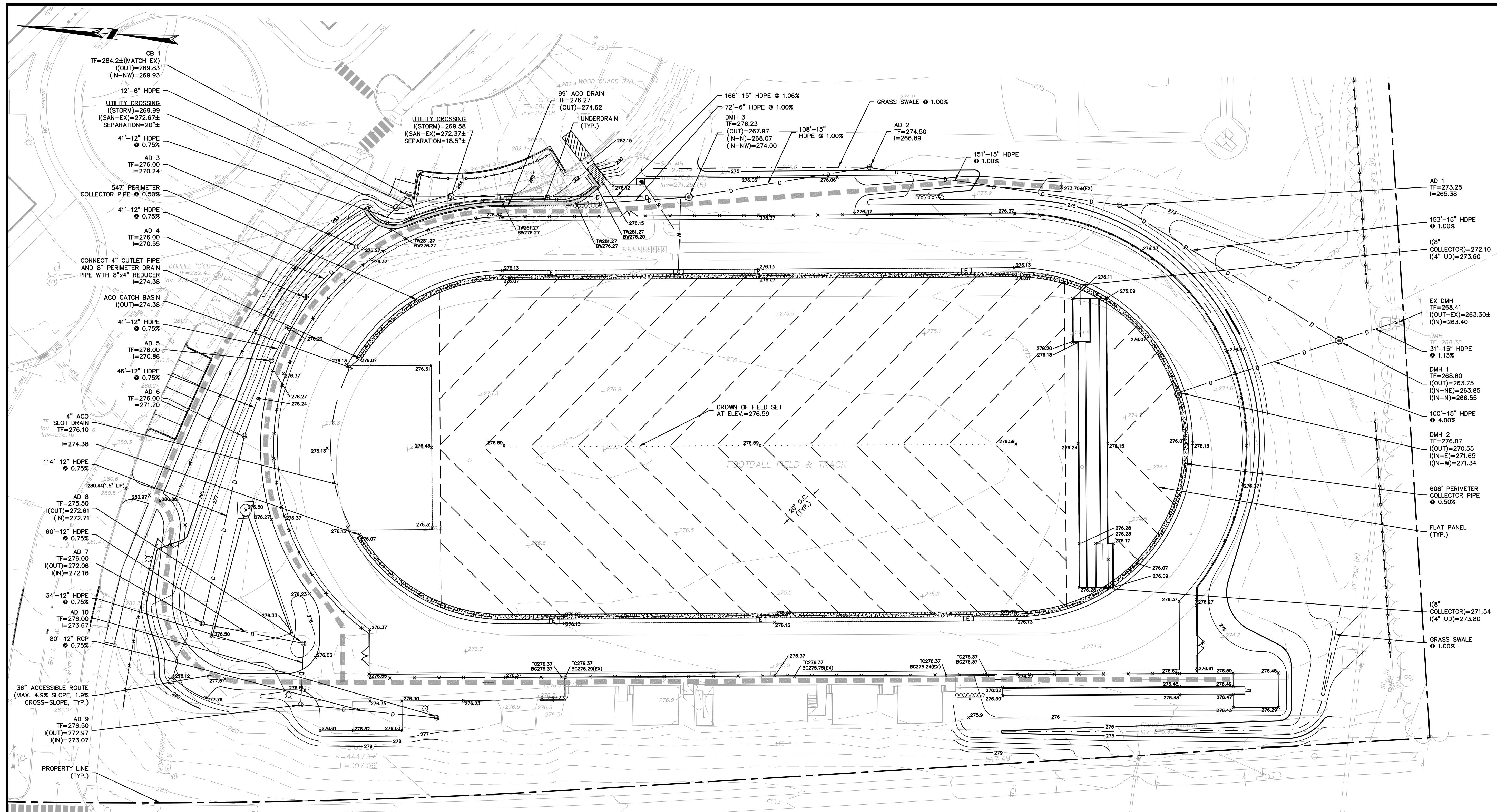
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0 15 30 60 FEET

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JOB. NO: 83572.02

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C-2.0




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 CONDDOT TYPE 'C'. ALL OTHERS SHALL BE CONDDOT 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.

- ALTERNATES:**
- ALTERNATE 1 - SPORTS FIELD AND PEDESTRIAN LIGHTING.
 - ALTERNATE 2 - SPORTS FIELD AND PEDESTRIAN LIGHTING, EXTENDED CONSTRUCTION SCHEDULE
 - ALTERNATE 3 - LANDSCAPE PLANT BUFFER, WEST AVON ROAD AND SUDBURY WAY
 - ALTERNATE 4 - LANDSCAPE PLANT BUFFER, SOUTHEAST
 - ALTERNATE 5 - LANDSCAPE PLANT BUFFER, NORTH FIELD

ISSUED FOR BID



ROBERT NEWTON, PE No. 20662

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL


510 WEST AVON ROAD
IN
AVON CONNECTICUT

GRADING AND DRAINAGE PLAN ENLARGEMENT

FEBRUARY 11, 2019

REVISIONS:	

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



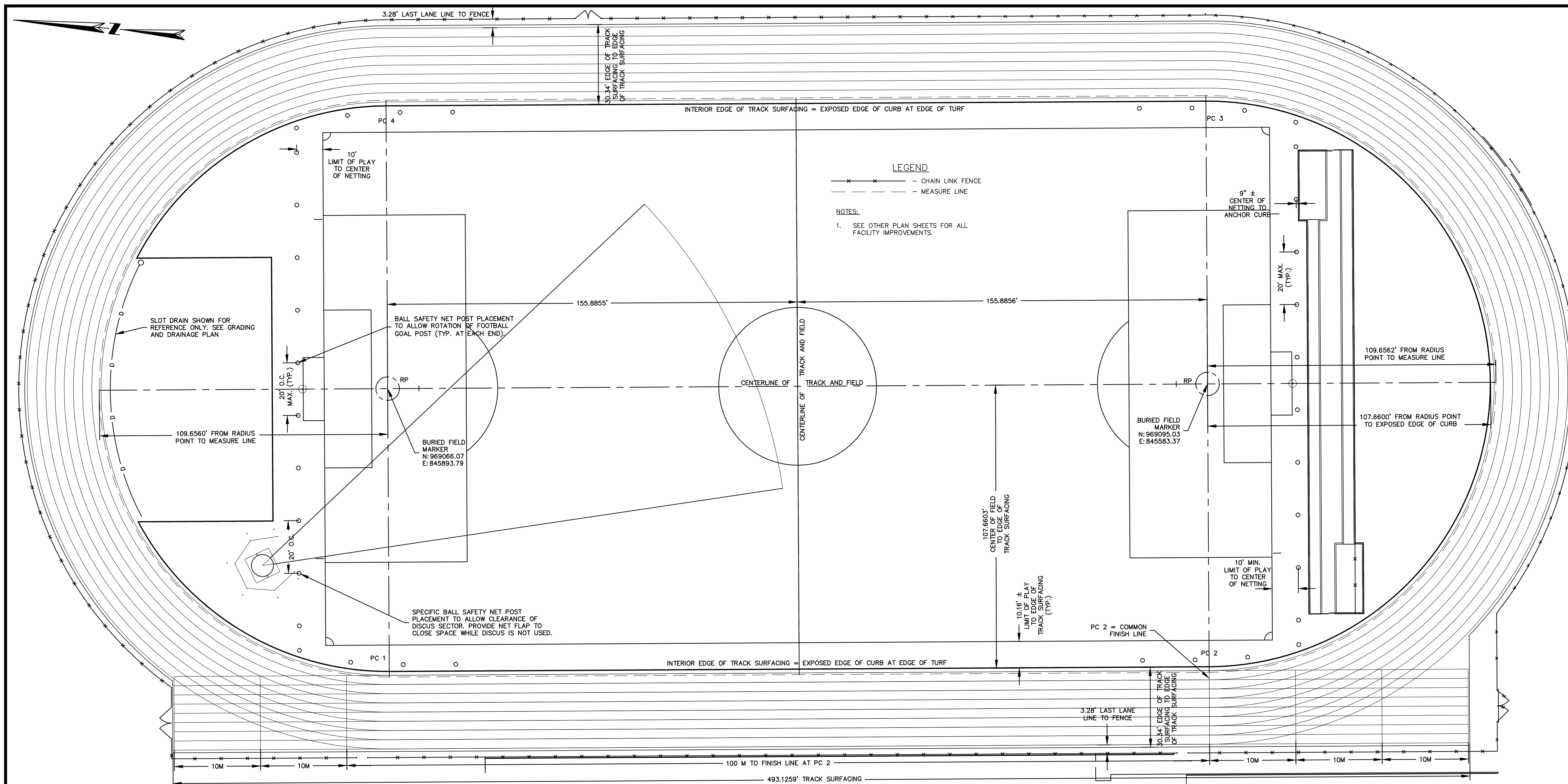
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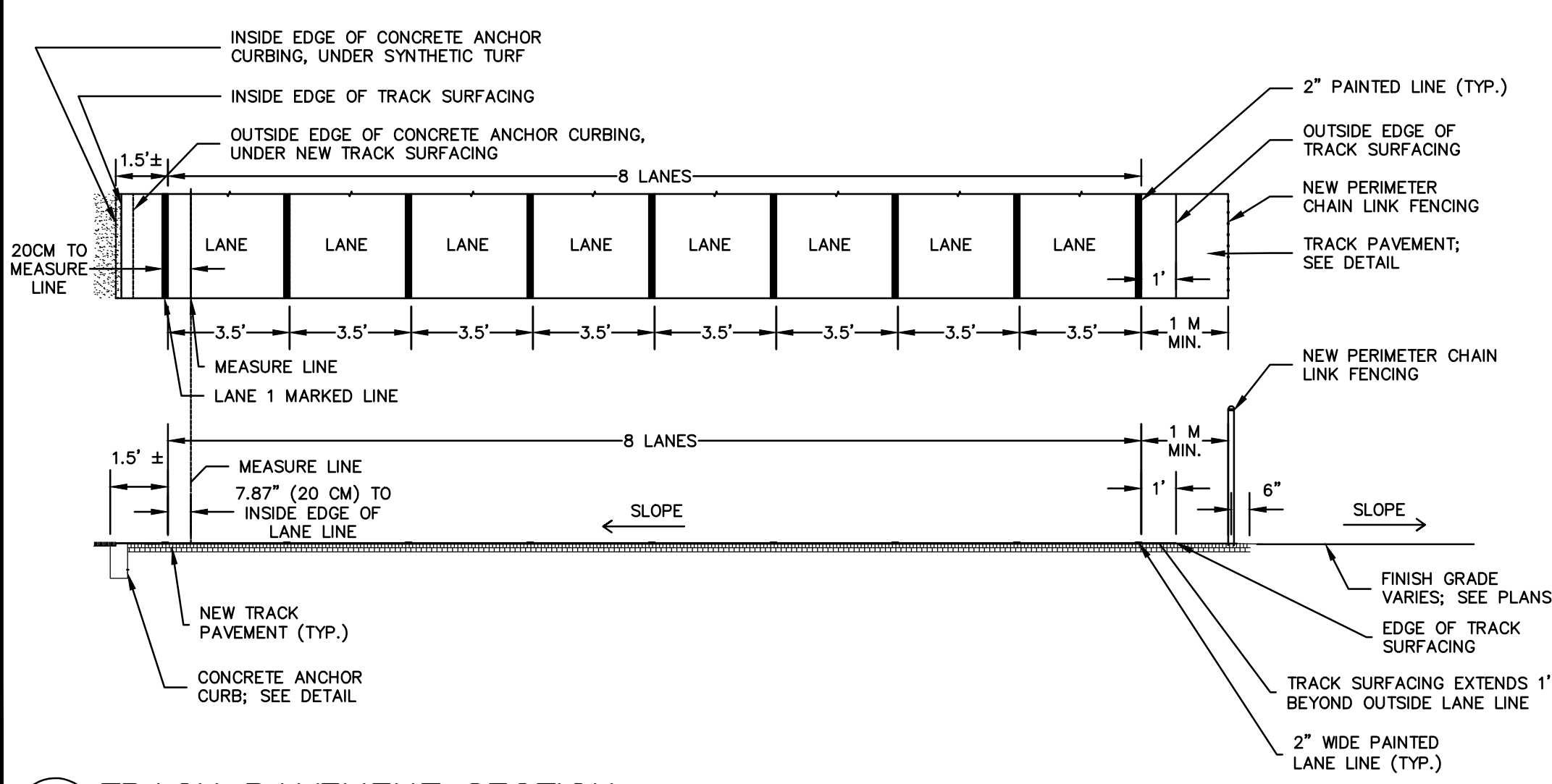
ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL - FEBRUARY 11, 2019



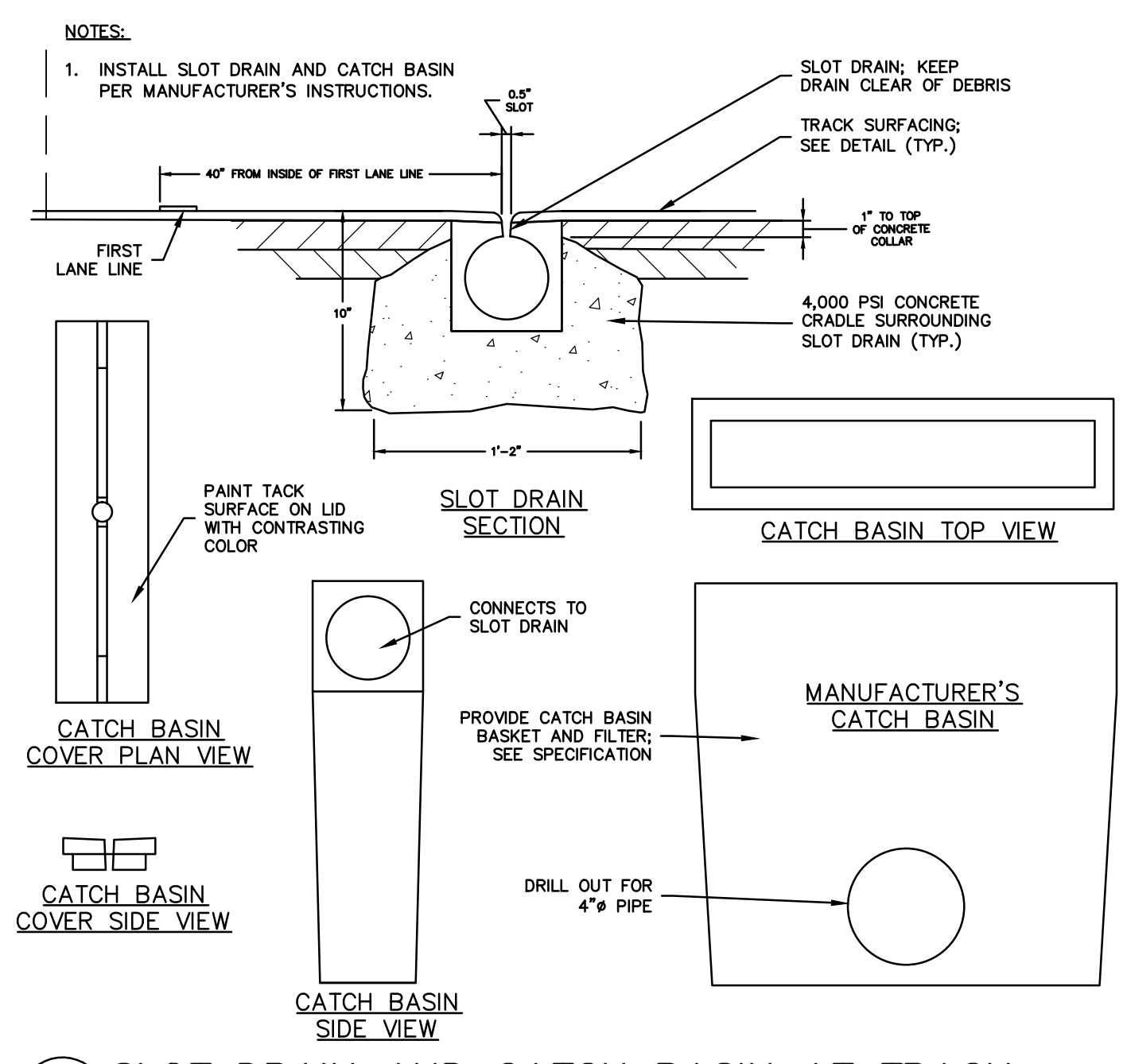
LEGEND
 - - - CHAIN LINK FENCE
 - - - MEASURE LINE

NOTES:
 1. SEE OTHER PLAN SHEETS FOR ALL FACILITY IMPROVEMENTS.

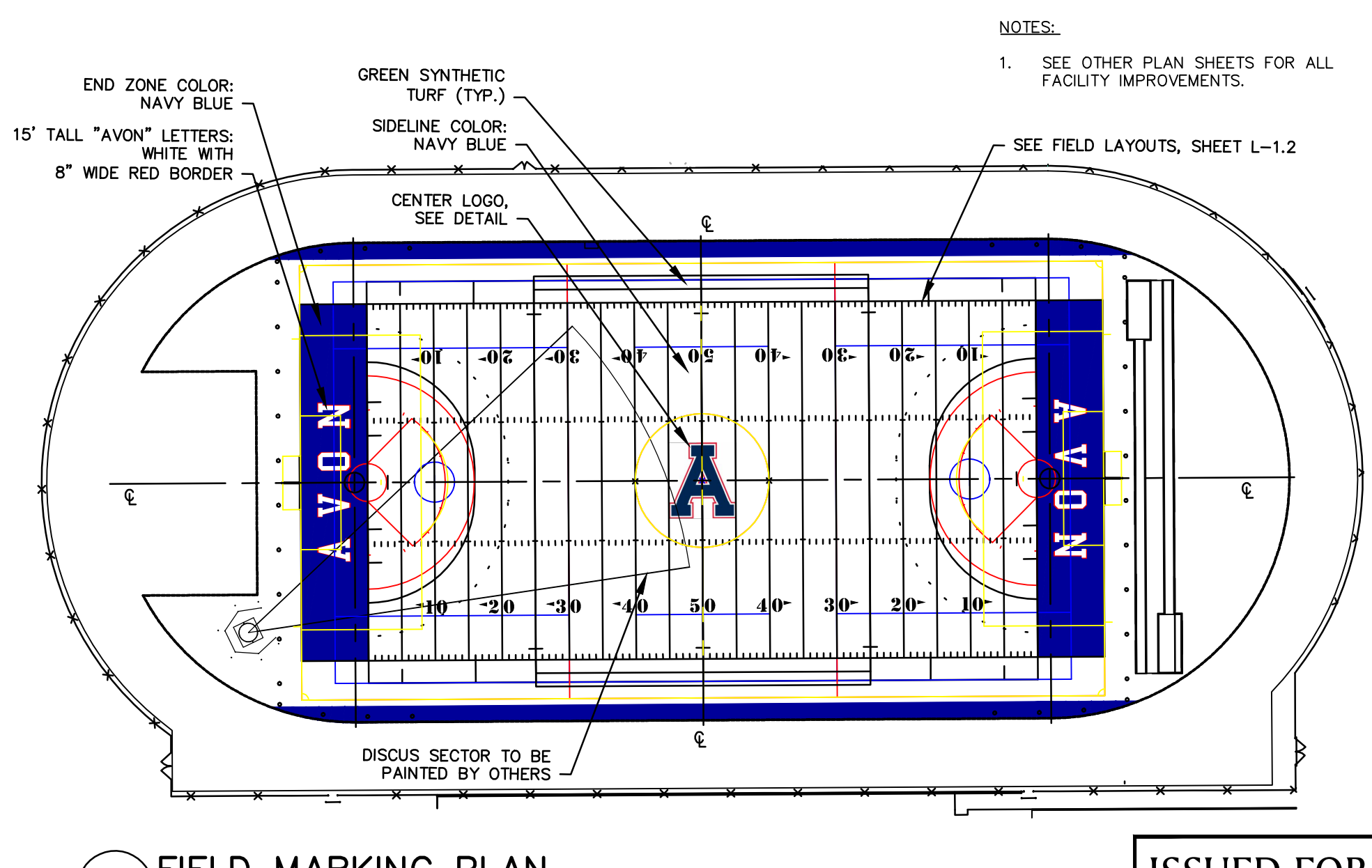
1 NEW TRACK LAYOUT
 SCALE: NONE



2 TRACK PAVEMENT SECTION
 SCALE: NONE



3 SLOT DRAIN AND CATCH BASIN AT TRACK
 SCALE: NONE



4 FIELD MARKING PLAN
 SCALE: NONE

ISSUED FOR BID



JESSE A. HARRIS, P.L.A. No. 1224

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD
 IN
 AVON
 CONNECTICUT

TRACK LAYOUT PLAN

FEBRUARY 11, 2019

REVISIONS:

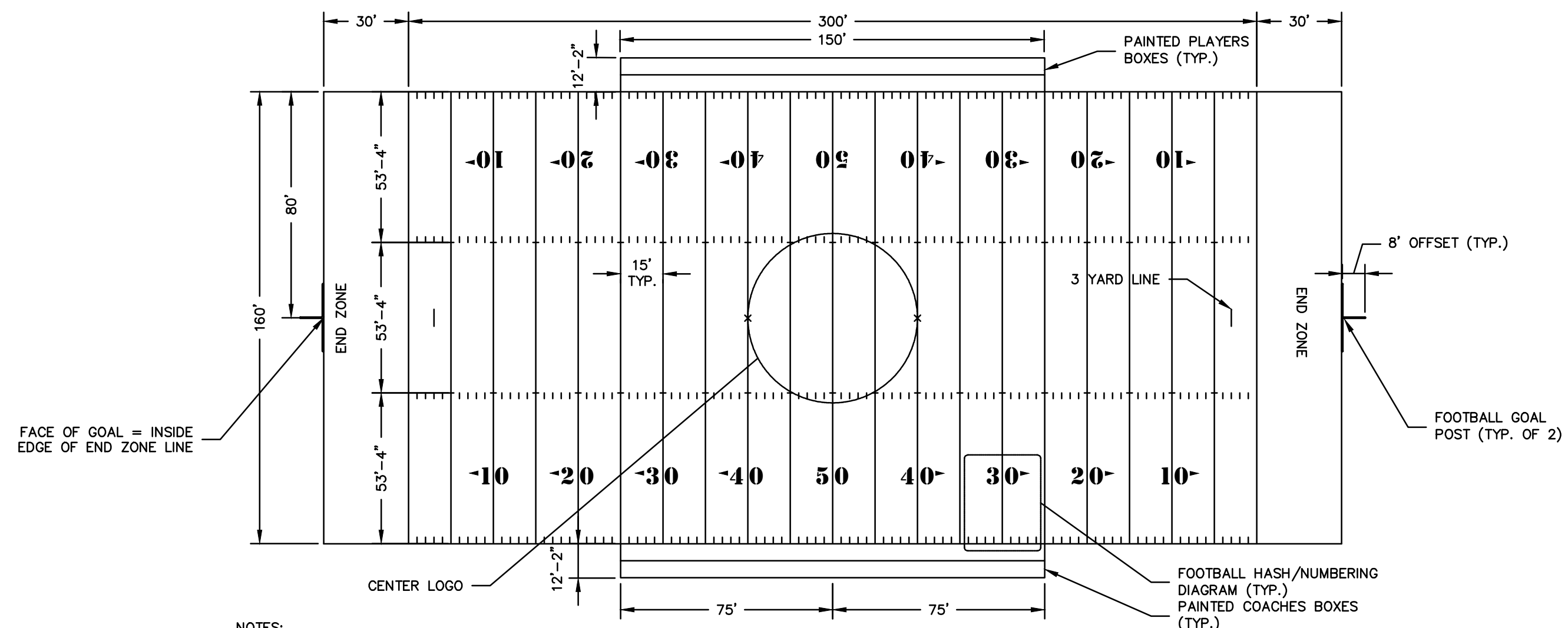
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 AVON, CT 06001

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 860 652 8227

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

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

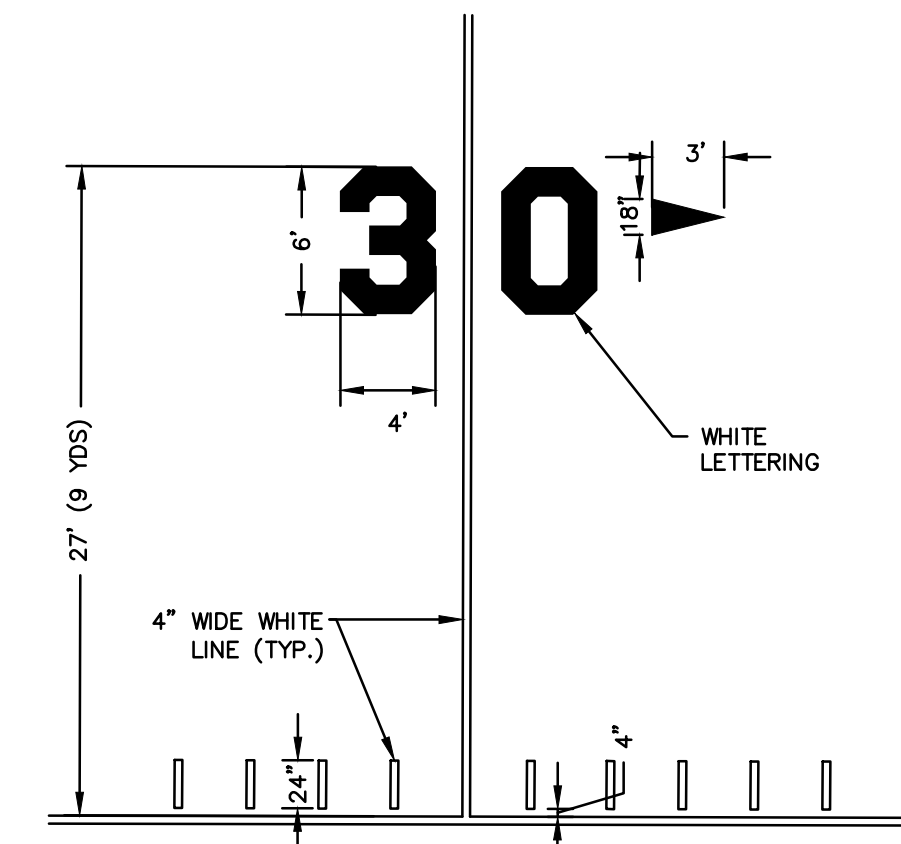
L-1.1



- 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)

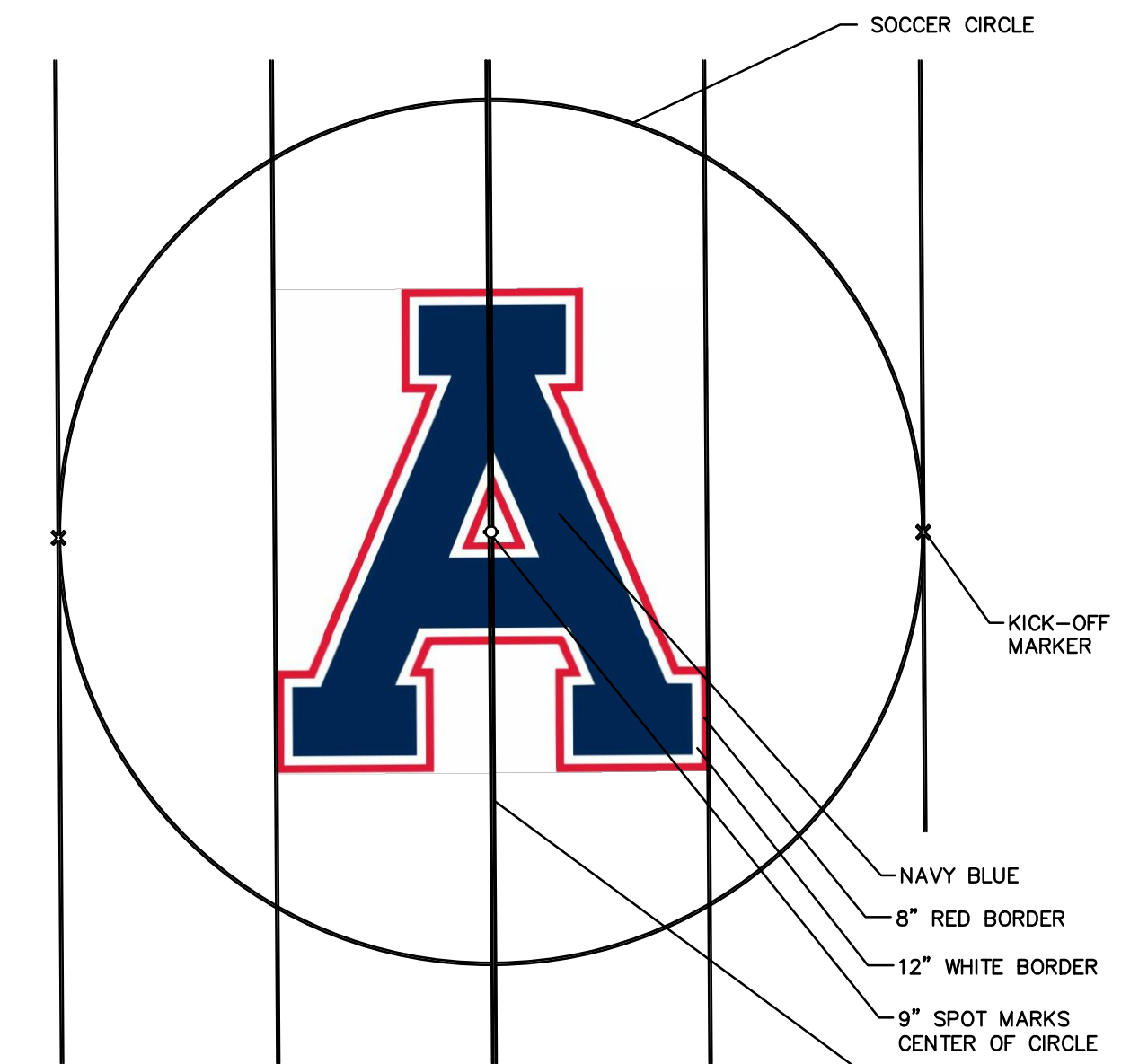
SCALE: NONE



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

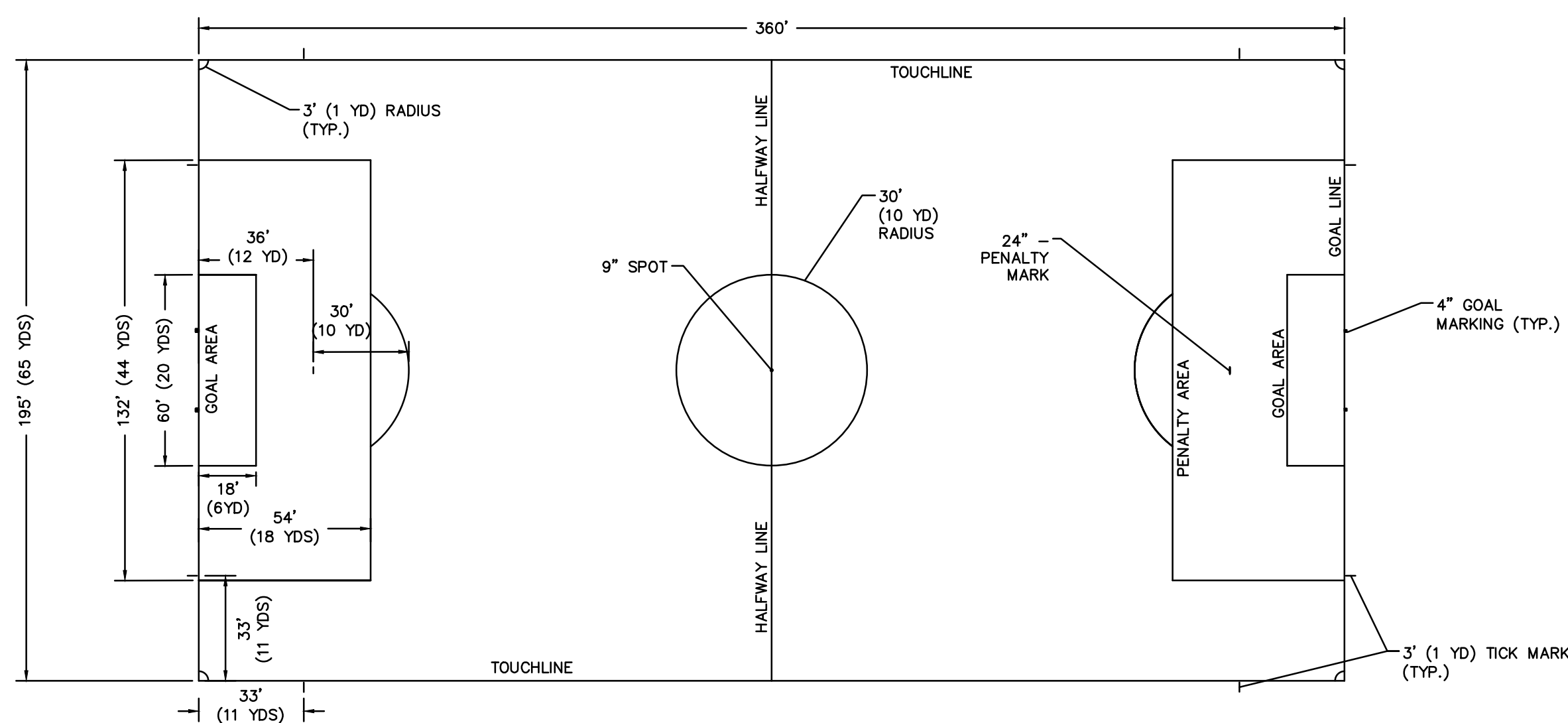
2 FOOTBALL HASH/NUMBERS DIAGRAM

SCALE: NONE



3 CENTER LOGO

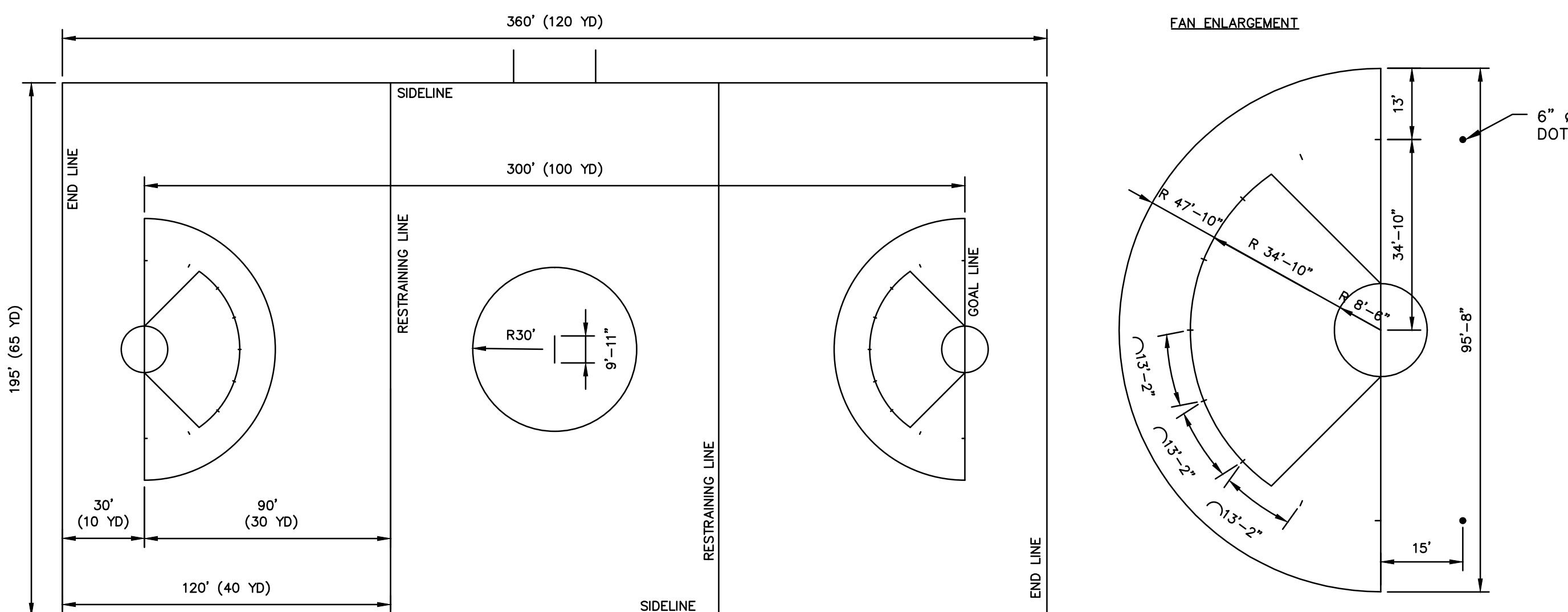
SCALE: NONE



- 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)

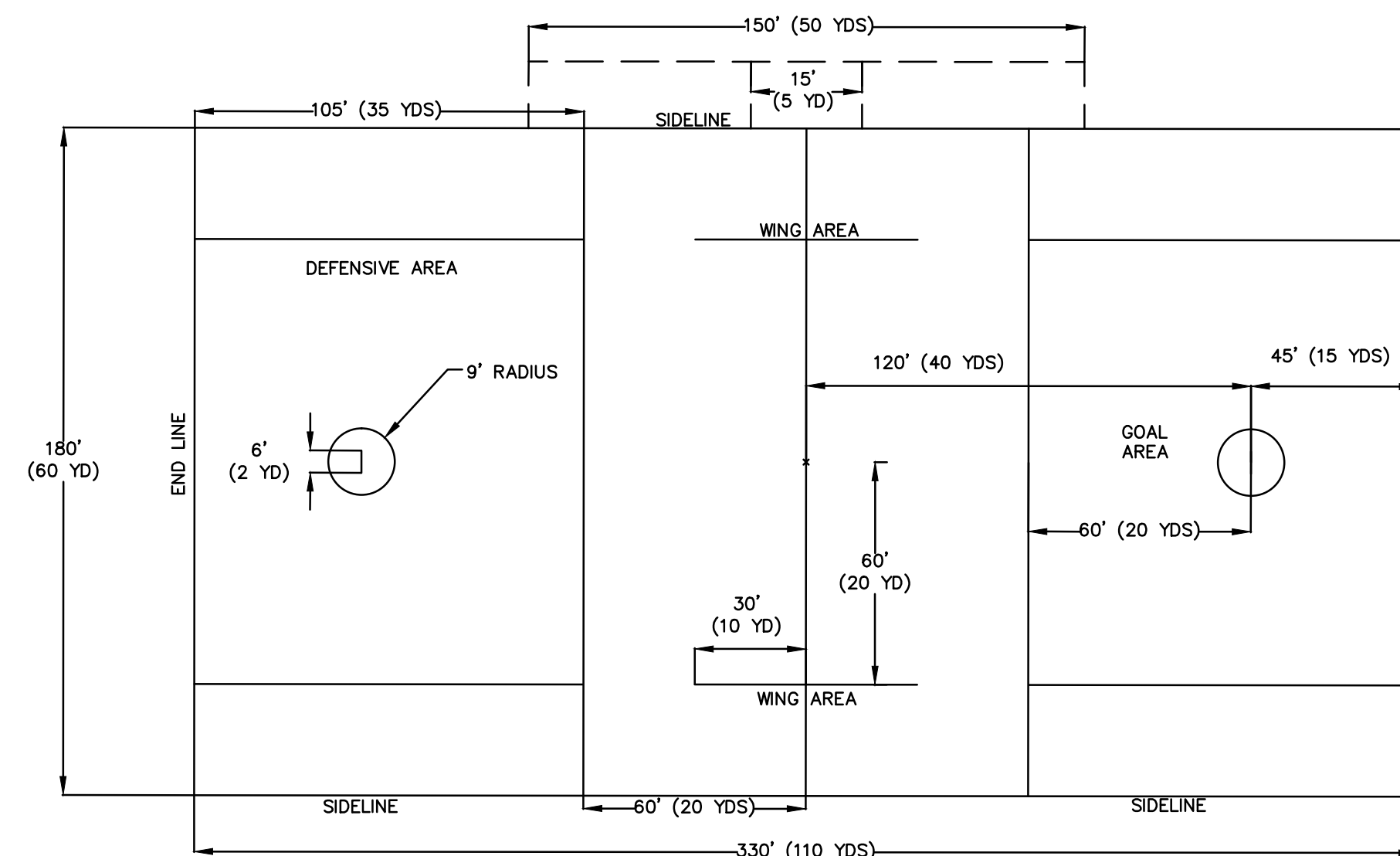
SCALE: 1" = 40'



- 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)

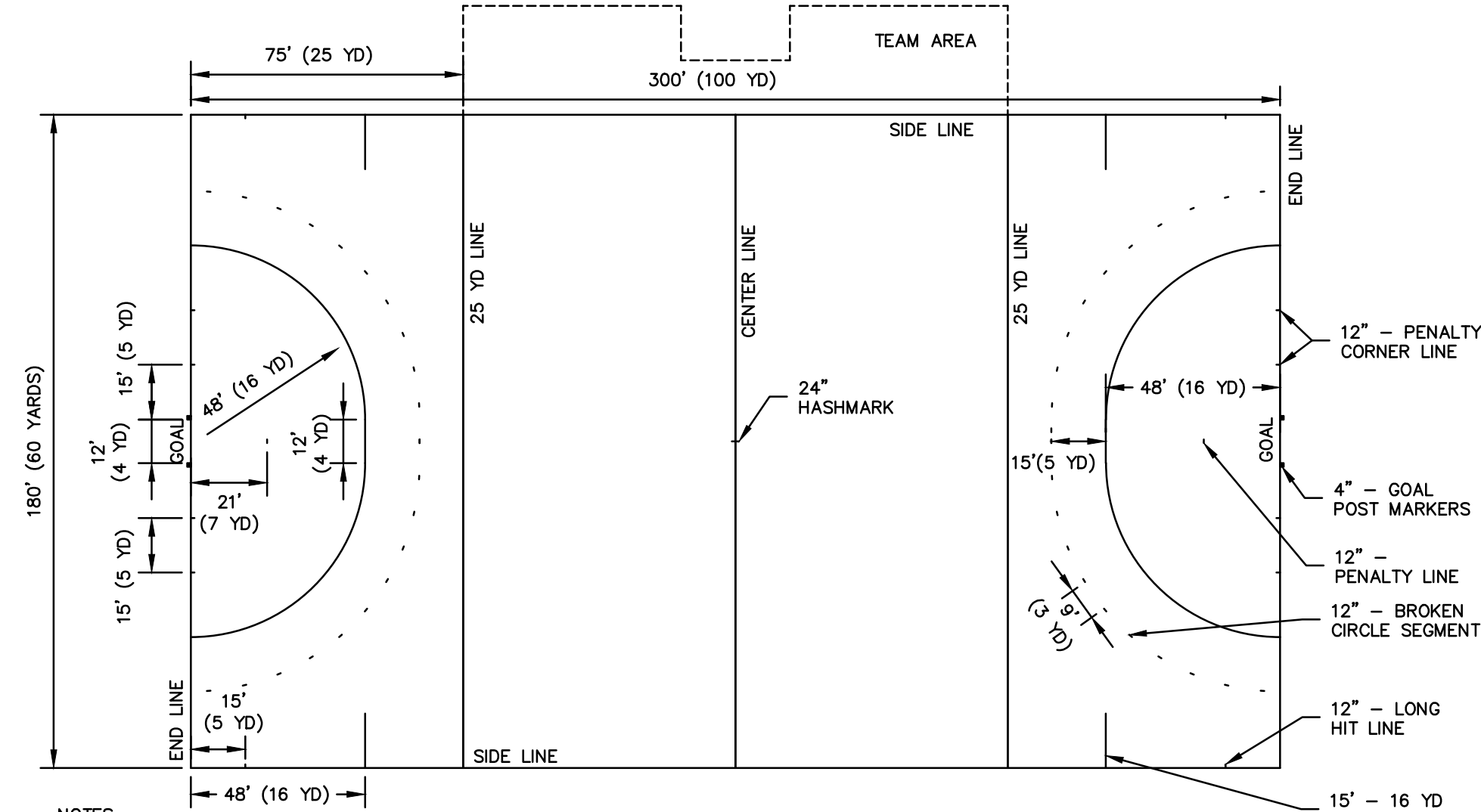
SCALE: 1" = 40'



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

5 MEN'S LACROSSE FIELD LAYOUT (BLUE MARKINGS)

SCALE: 1" = 40'



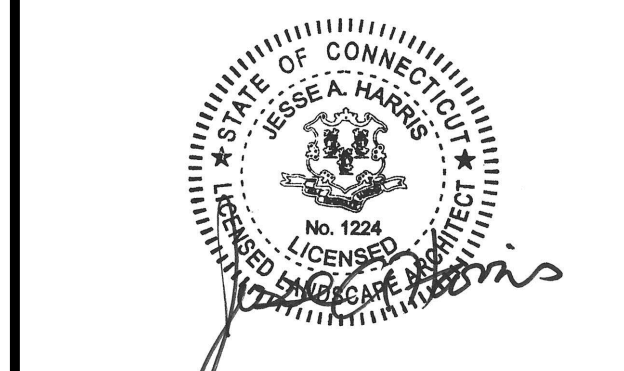
- NOTES:
1. TEAM AREAS TO BE PAINTED BY OTHERS (N.I.C.)
 2. ALL DIMENSIONS ARE MEASURED FROM OUTSIDE EDGE TO OUTSIDE EDGE OF LINES.

7 FIELD HOCKEY LAYOUT (BLACK MARKINGS)

SCALE: 1" = 40'

- ALTERNATES:
1. ALTERNATE 1 - SPORTS FIELD AND PEDESTRIAN LIGHTING.
 2. ALTERNATE 2 - SPORTS FIELD AND PEDESTRIAN LIGHTING, EXTENDED CONSTRUCTION SCHEDULE
 3. ALTERNATE 3 - LANDSCAPE PLANT BUFFER, WEST AVON ROAD AND SUDBURY WAY
 4. ALTERNATE 4 - LANDSCAPE PLANT BUFFER, SOUTHEAST
 5. ALTERNATE 5 - LANDSCAPE PLANT BUFFER, NORTH FIELD

ISSUED FOR BID



JESSE A. HARRIS, P.E. No. 1224

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD
IN
AVON
CONNECTICUT
FIELD LAYOUTS

FEBRUARY 11, 2019

REVISIONS:

NO.	DESCRIPTION

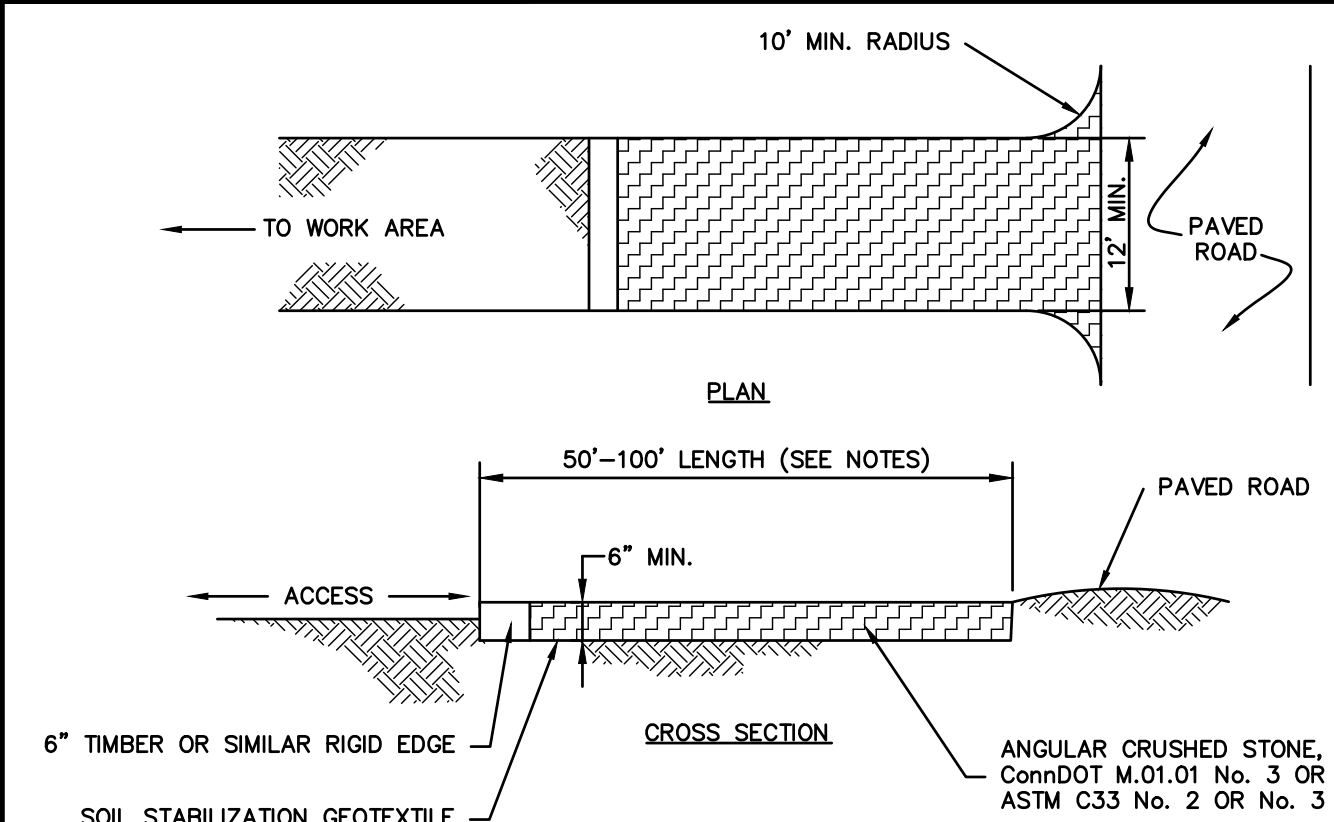
PREPARED FOR:
TOWN OF AVON
60 WEST MAIN STREET
AVON, CT 06001

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

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SCALE: AS SHOWN

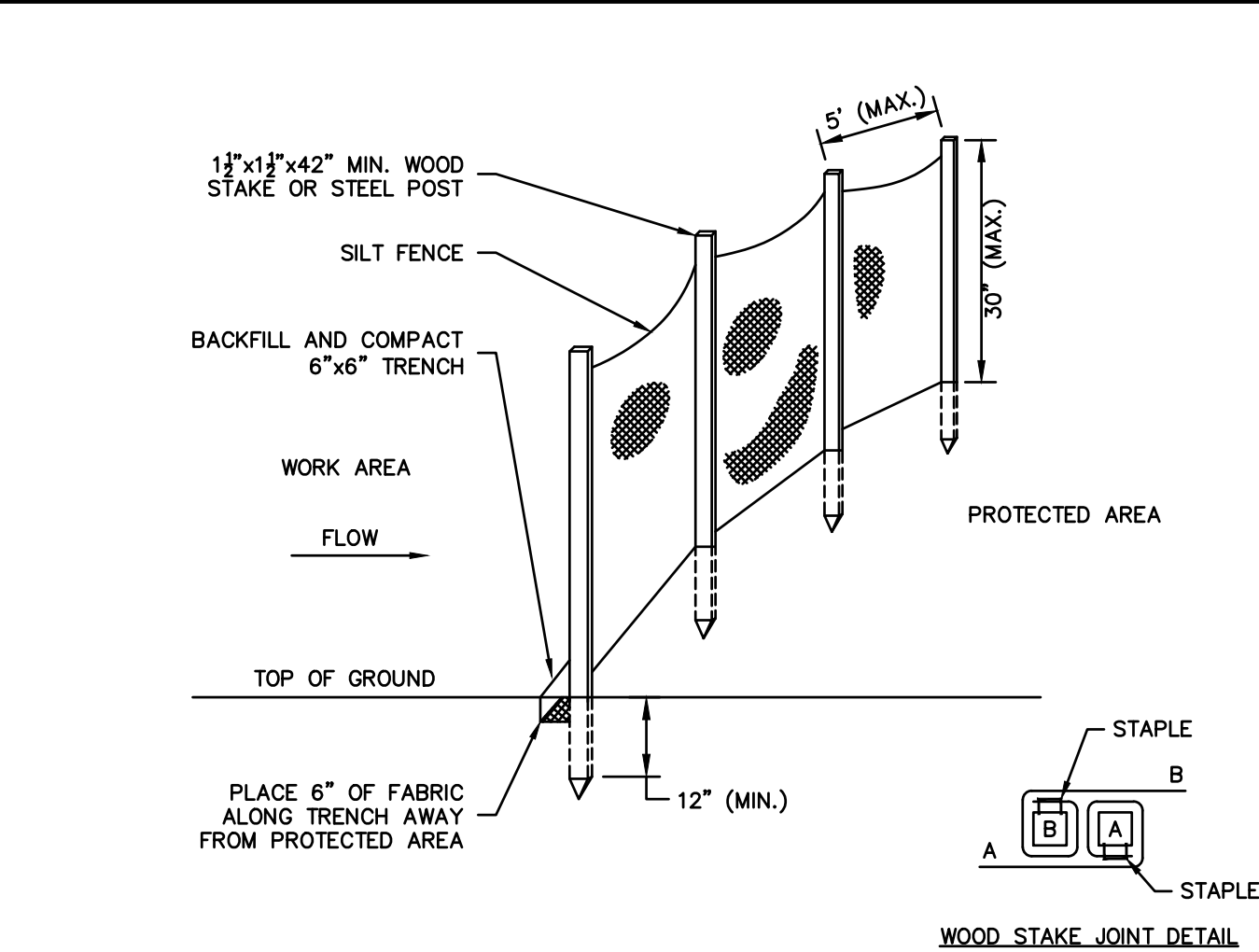
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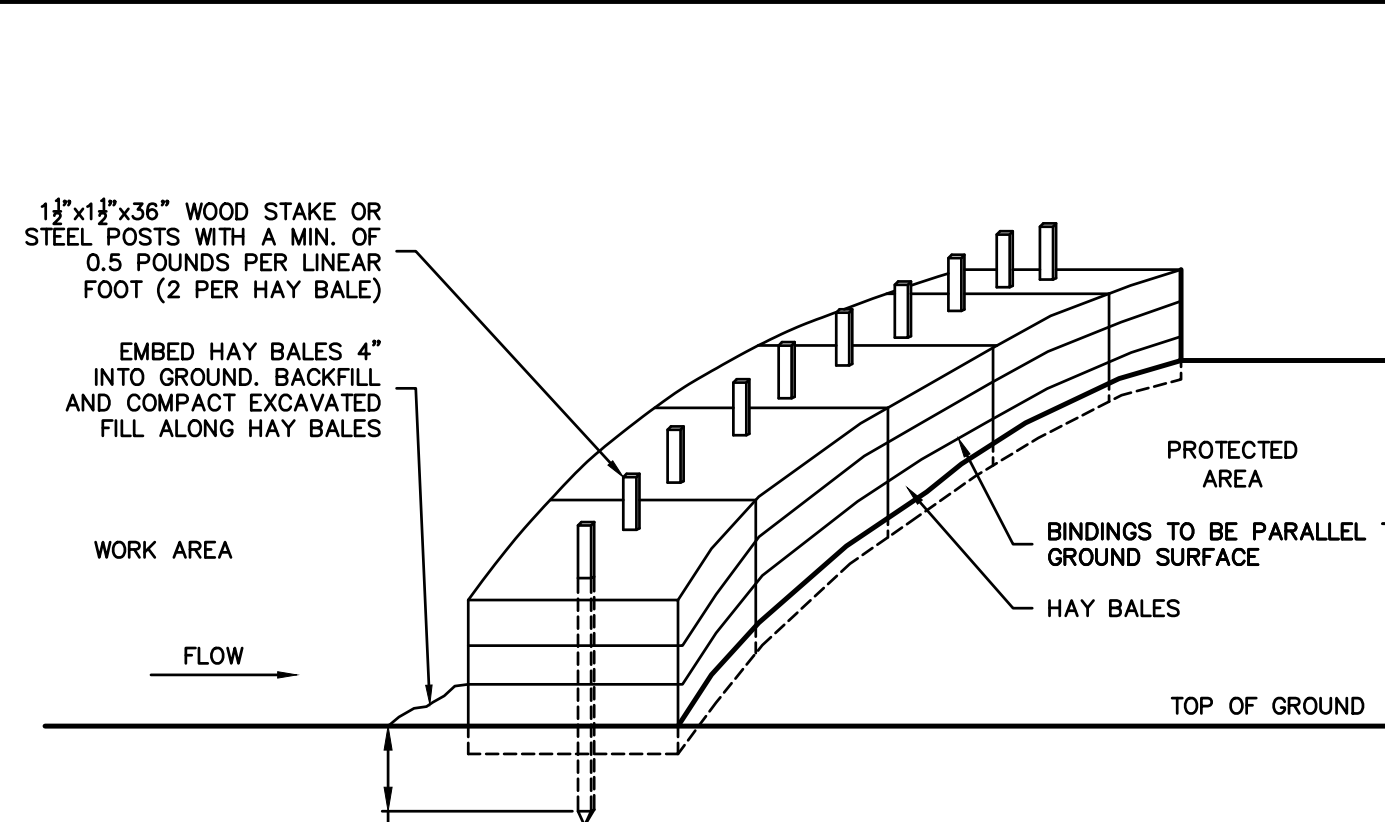
- NOTES:**
- REMOVE TOPSOIL AND ORGANICS PRIOR TO CRUSHED STONE PLACEMENT.
 - INSTALL SUB-BASE OF FREE DRAINING BACKFILL OR ROAD STABILIZATION GEOTEXTILE AS NECESSARY ON UNSTABLE SOILS.
 - LENGTH SHALL BE 50 FOOT MINIMUM. WHERE TRACKED SEDIMENTS CONTAIN LESS THAN 80% SAND, LENGTH SHALL BE 100 FOOT MINIMUM.
 - 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.
 - CONSTRUCT ANY DRAINAGE AND SETTLING FACILITIES REQUIRED TO ACCOMMODATE VEHICLE WASHING OPERATIONS. DIVERT ALL WASH WATER AWAY FROM ENTRANCE TO THE SETTLING AREA.
 - MAINTAIN ENTRANCE IS A CONDITION THAT WILL PREVENT WASHING OF SEDIMENT ONTO PAVED SURFACES.

1 CONSTRUCTION ENTRANCE
SCALE: NONE



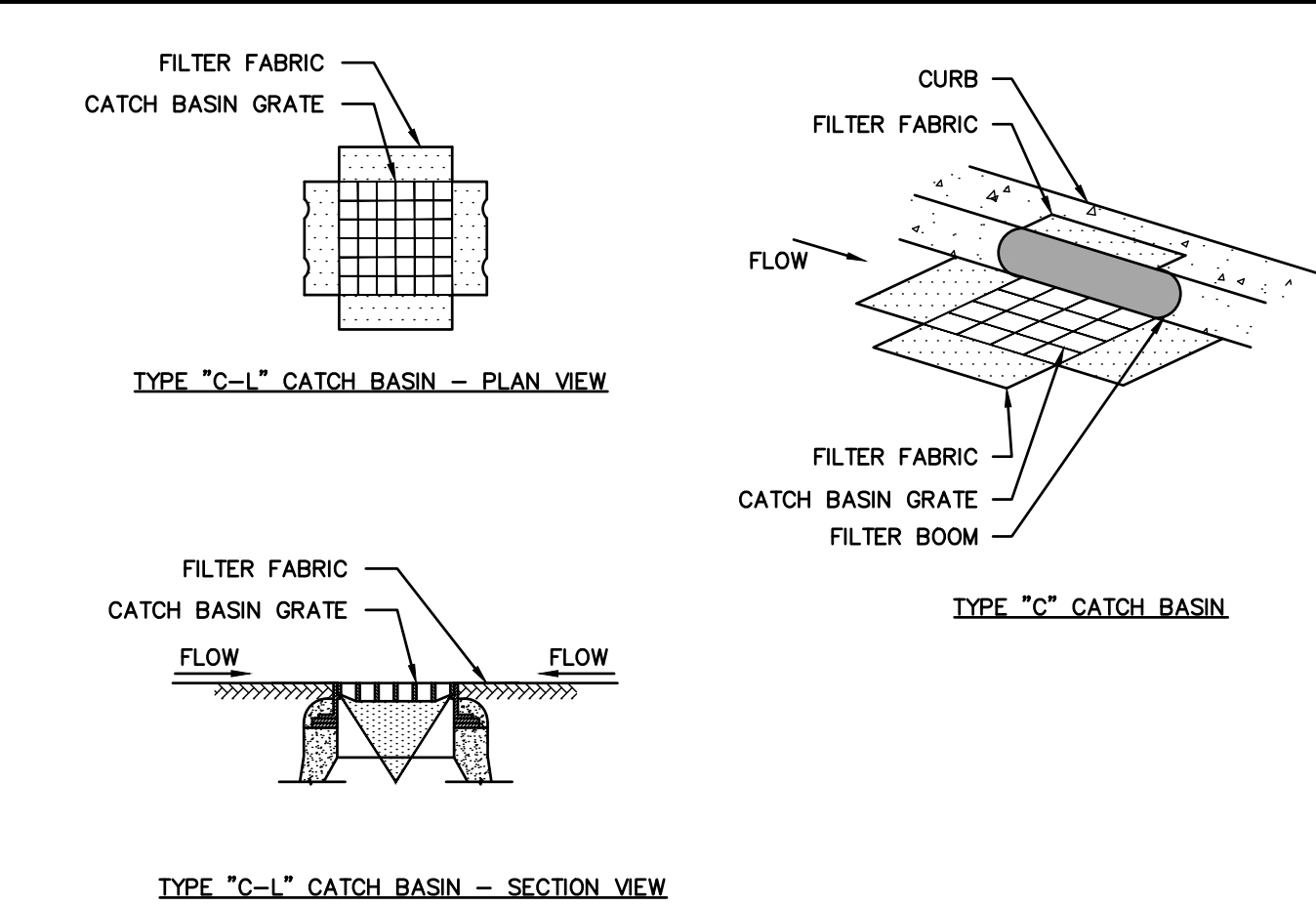
- NOTES:**
- FOR SLOPE & SWALE INSTALLATIONS, EXTEND FENCE UP SLOPE SUCH THAT BOTTOM ENDS OF FENCE WILL BE HIGHER THAN THE TOP OF THE LOWEST PORTION OF FENCE.
 - FOR FENCE INSTALLED ON LEVEL TERRAIN INSTALL WING SECTIONS PERPENDICULAR TO MAIN BARRIER AT 50'-100' INTERVALS.

2 SILT FENCE BARRIER
SCALE: NONE



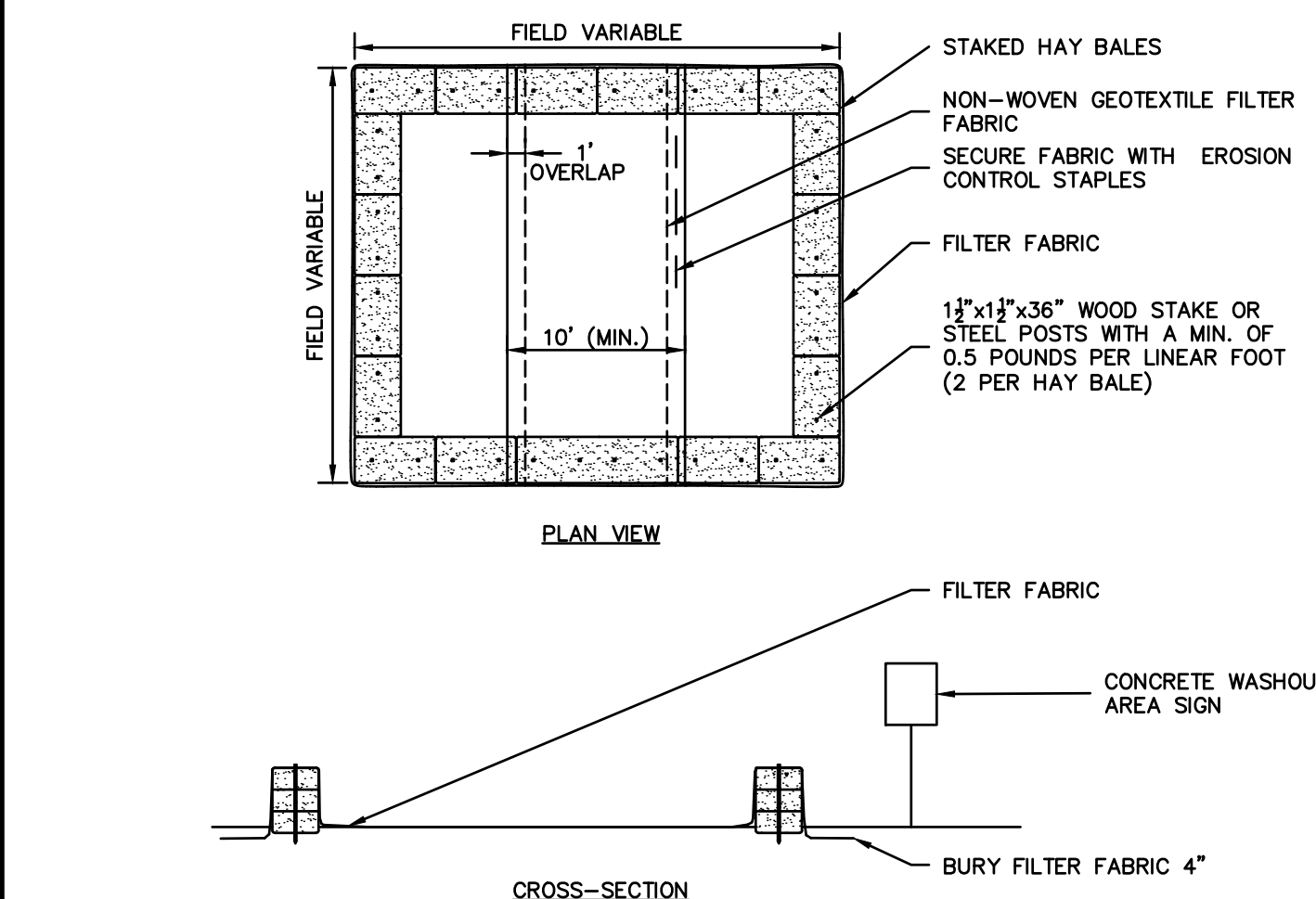
- GENERAL NOTES:**
- HAY BALES SHALL BE MADE OF HAY OR STRAW WITH 40 POUND MIN. WEIGHT AND 120 POUND MAX. WEIGHT HELD TOGETHER BY TWINE OR WIRE.
 - PLACE HAY BALES ON CONTOUR AND WING THE LAST HAY BALES UP SLOPE SO THAT THE TOP OF THE LAST SEVERAL HAY BALES ARE HIGHER THAN THE LINE OF HAY BALES.
 - DRIVE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

3 HAY BALE BARRIER
SCALE: NONE



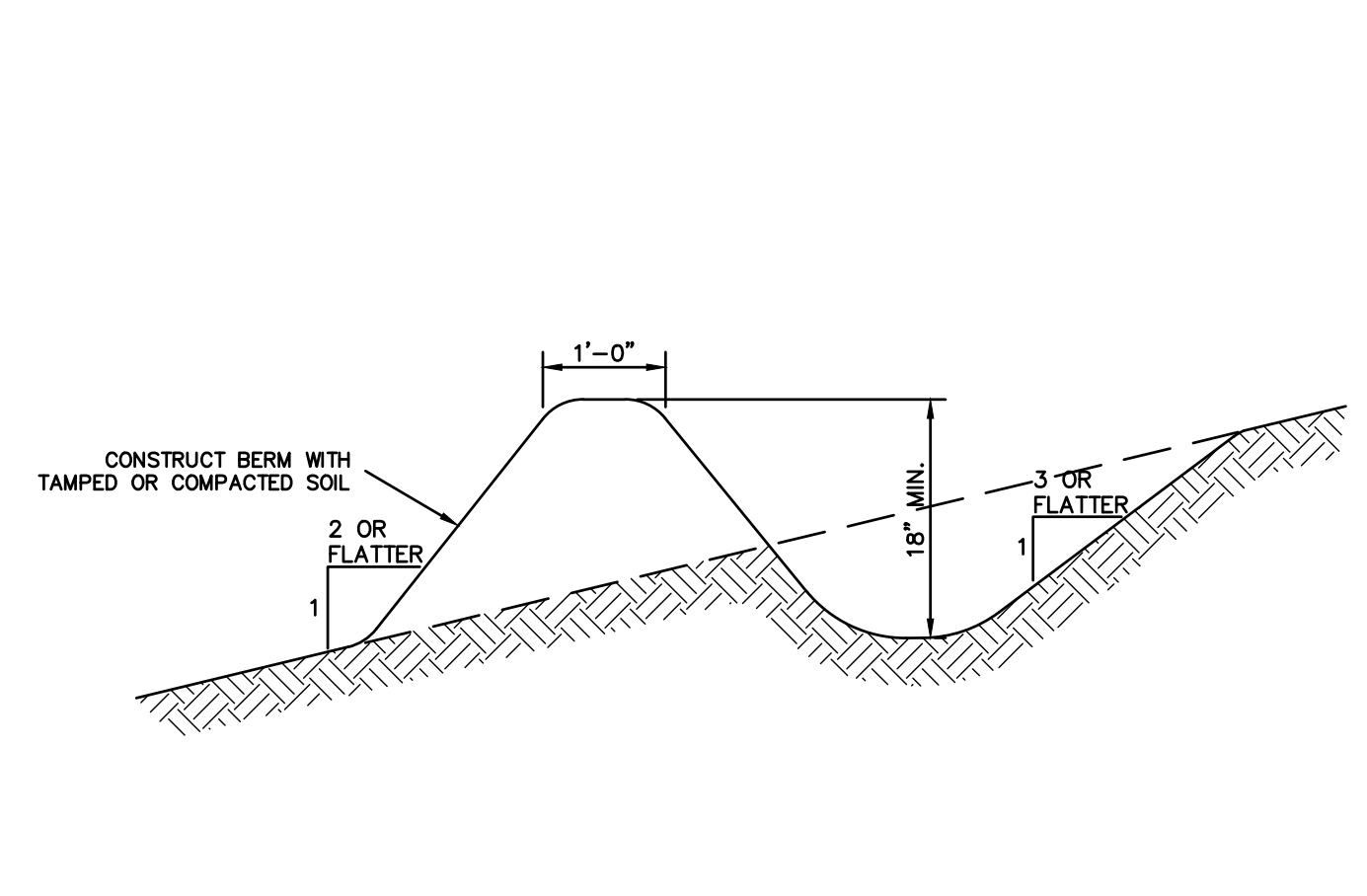
- GENERAL NOTES:**
- PROVIDE INLET PROTECTION TO ALL EXISTING CATCH BASINS IN THE VICINITY OF CONSTRUCTION. PROTECT NEW CATCH BASINS AS THEY ARE CONSTRUCTED.
 - GRATE TO BE PLACED OVER FILTER FABRIC.

4 CATCH BASIN FILTER INSERT
SCALE: NONE



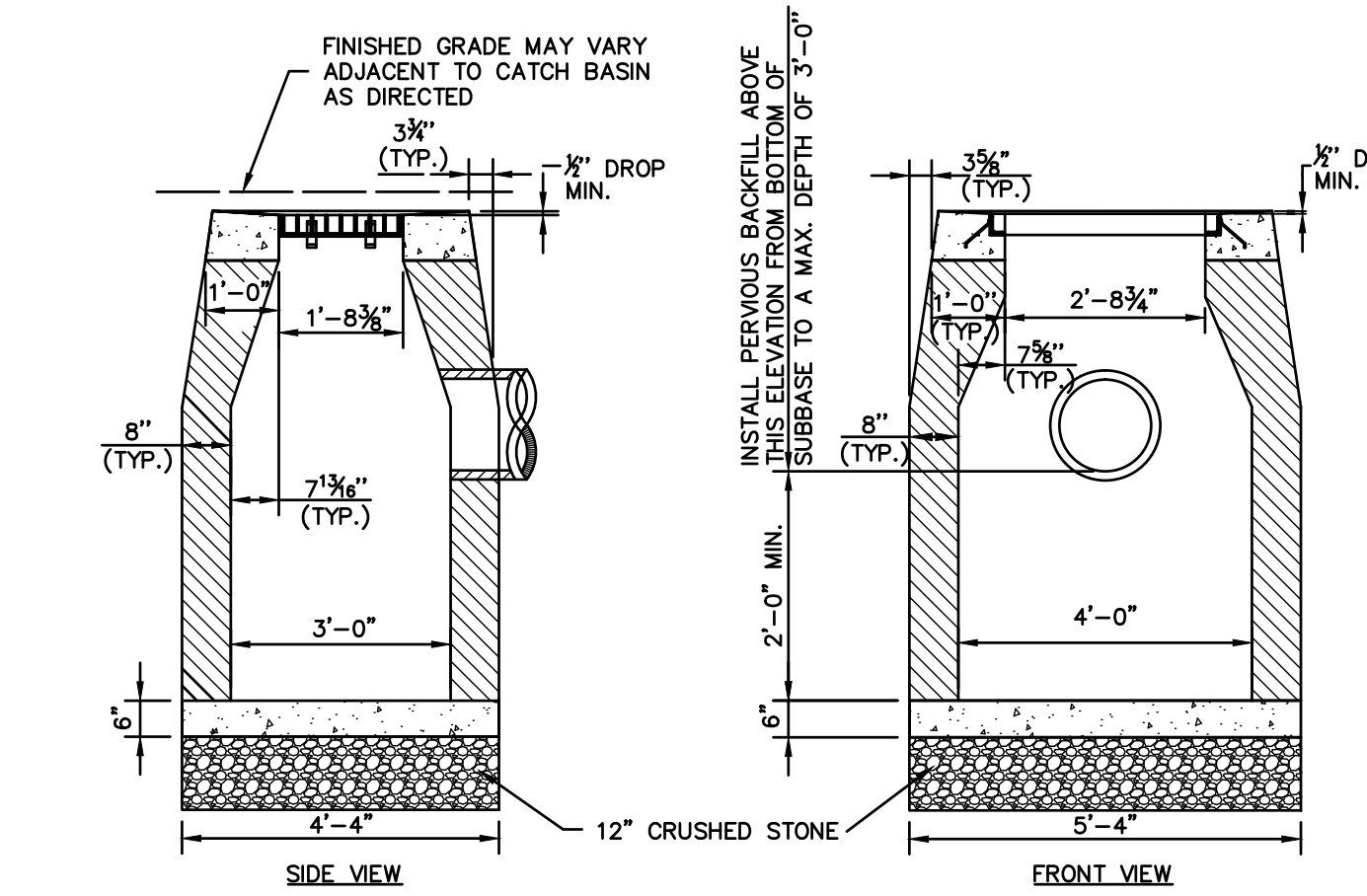
- NOTES:**
- CONSTRUCT WASHOUT AREA LARGE ENOUGH TO ENSURE MATERIALS WILL BE CONTAINED WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY EVAPORATE.
 - WASHOUT AREA SHALL BE LARGE ENOUGH TO RETAIN ALL LIQUID AND WASTE CONCRETE MATERIALS FROM WASHOUT OPERATION.
 - WEEKLY INSPECTIONS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

5 TEMPORARY CONCRETE WASHOUT AREA
SCALE: NONE



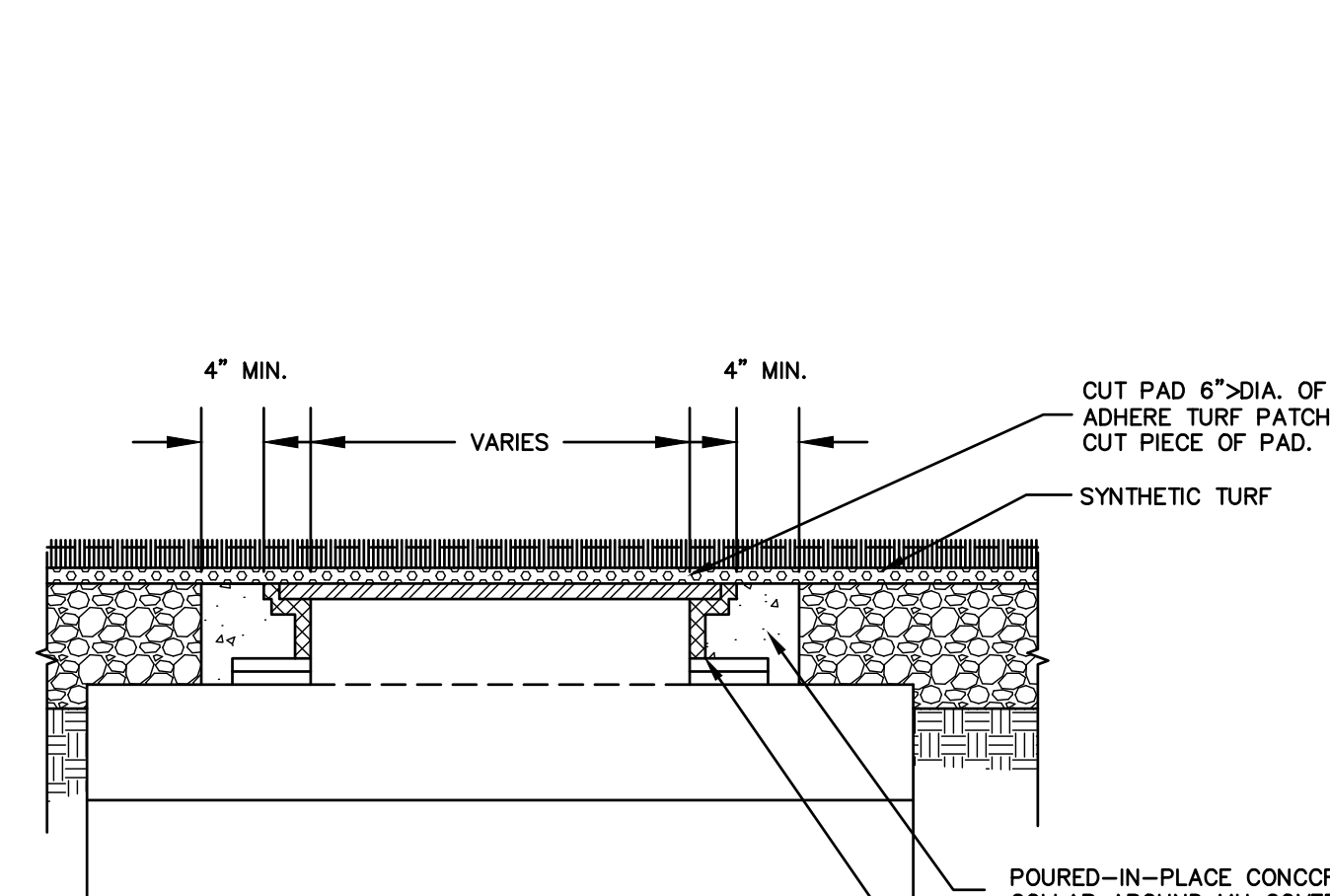
- GENERAL NOTES:**
- INSTALL TEMPORARY DIVERSION SWALES TO CHANNEL WATER FROM DISTURBED AREAS TO THE TEMPORARY SEDIMENT BASIN. ADJUST SWALE LOCATIONS AS NECESSARY PER CHANGING SITE CONDITIONS.
 - CONTRIBUTING DRAINAGE AREA MUST NOT EXCEED ONE ACRE.

6 TEMPORARY DIVERSION SWALE
SCALE: NONE



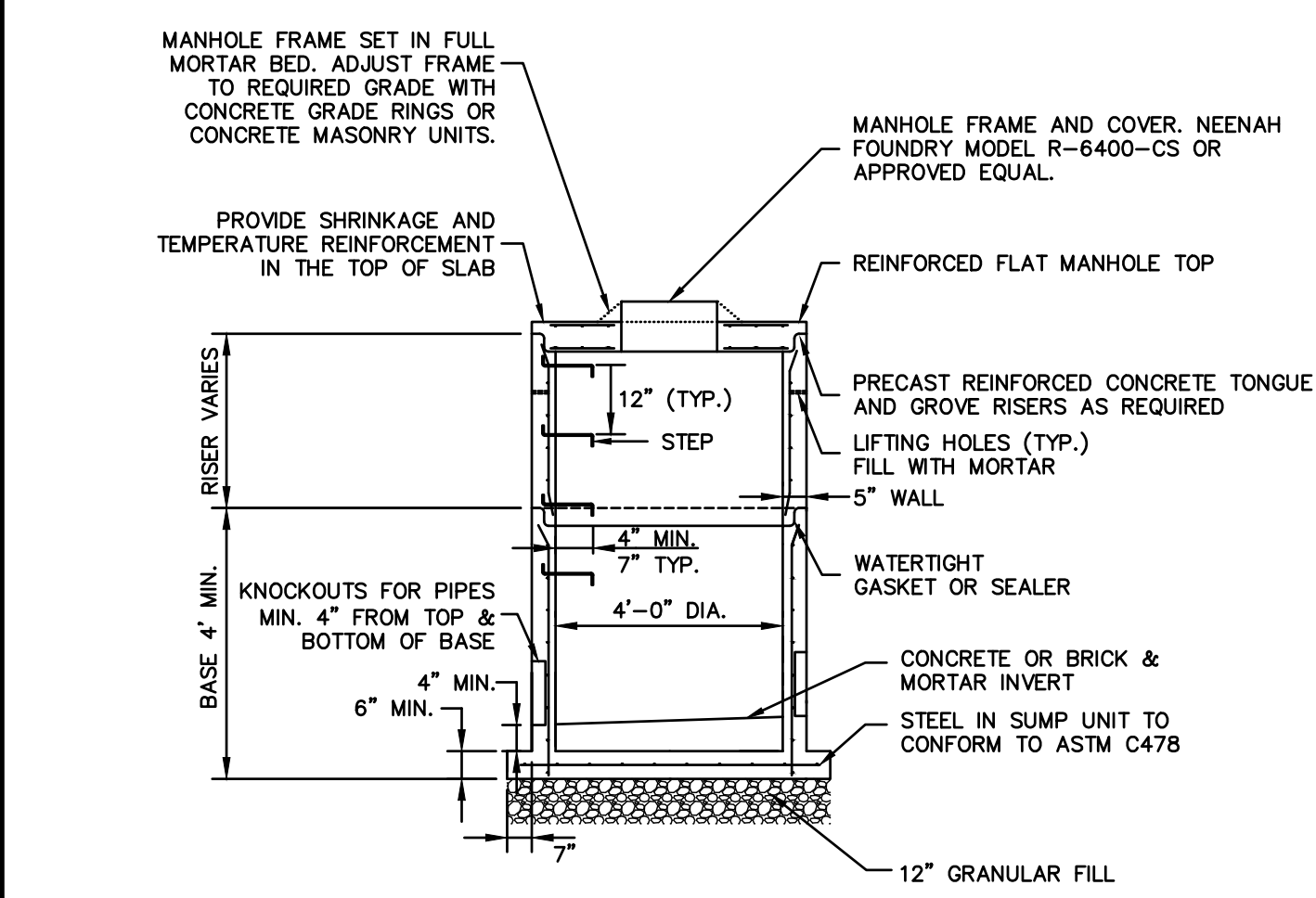
- GENERAL NOTES:**
- FRAME AND GRATE SHALL BE CONSTRUCTED PER SPECIFICATIONS.
 - ALL FACES OF STRUCTURES IN CONTACT WITH PAVEMENT SHALL BE COVERED WITH TAR PAPER OR APPROVED EQUAL.
 - TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF PERVIOUS BACKFILL.
 - WALL THICKNESS OF ALL CB'S OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (12" THICKNESS WILL START AFTER THE FIRST 10').
 - MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

7 TYPE "C-L" CATCH BASIN
SCALE: NONE



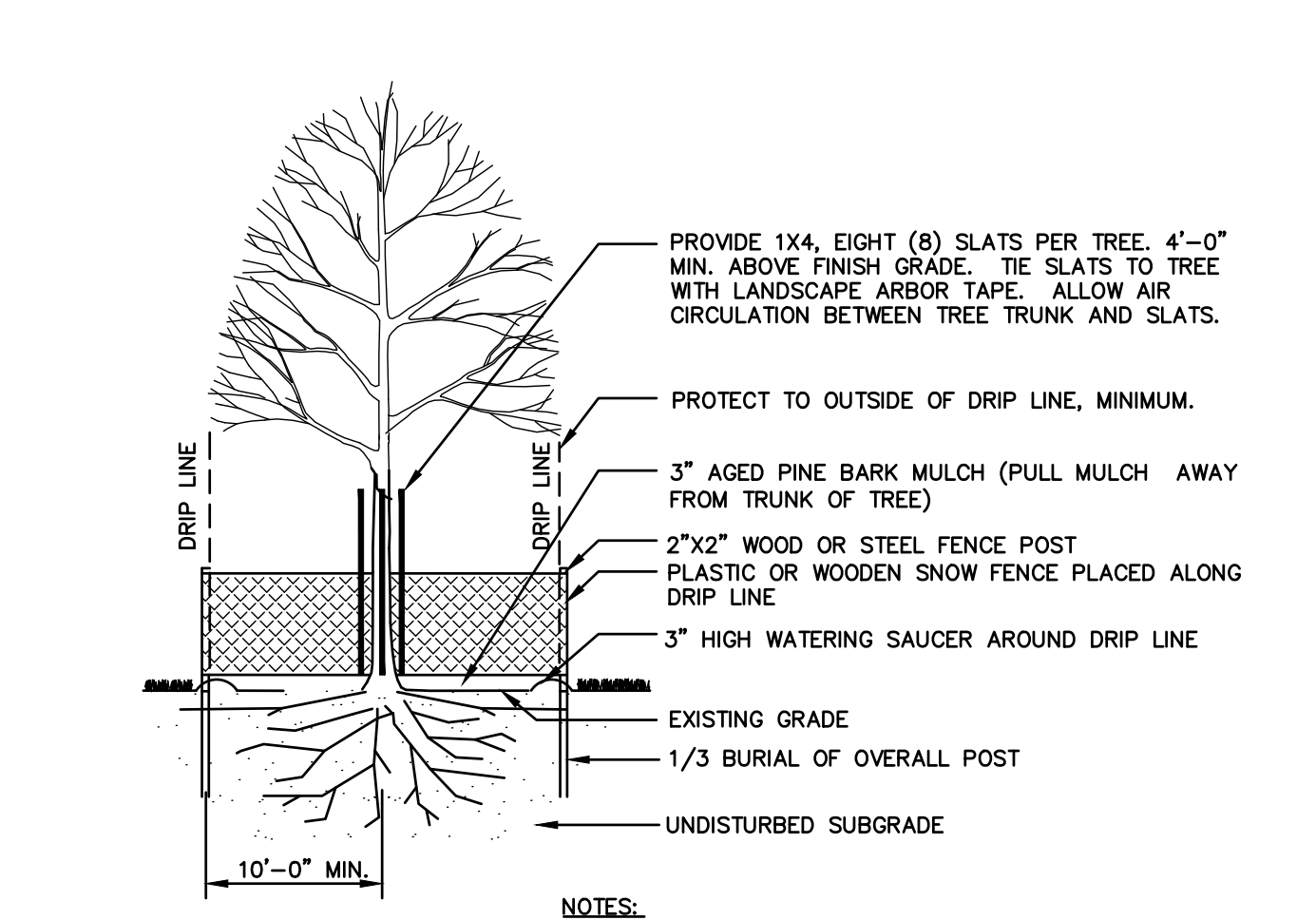
- NOTES:**
- MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY TYPE 'C' DIAMOND LID DESIGN R-1500 FRAME AND RIM OR ENGINEER APPROVED EQUAL. SIZE TO FIT STRUCTURES.

8 MANHOLE IN SYNTHETIC TURF
SCALE: NONE



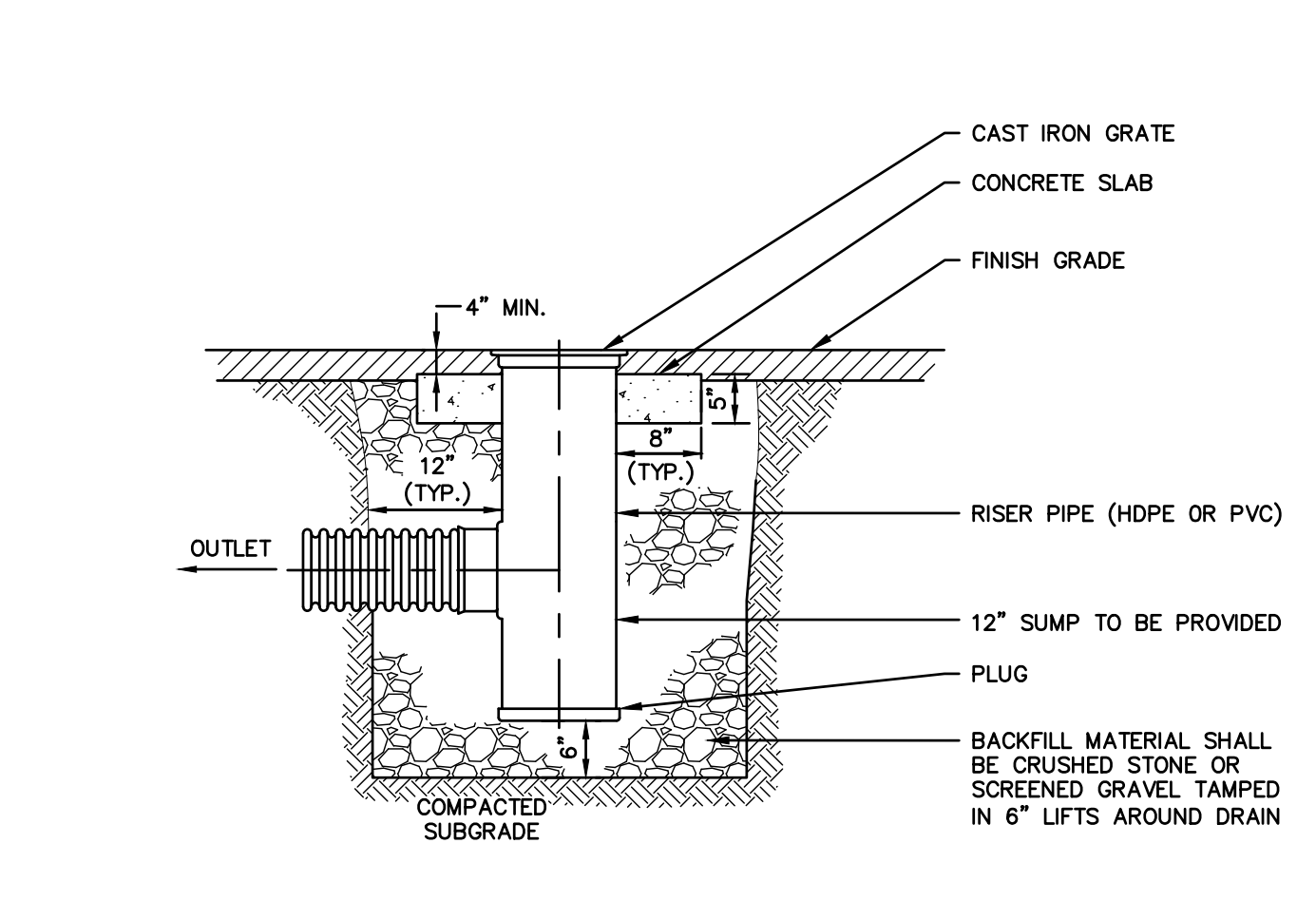
- NOTES:**
- MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

9 STORM DRAINAGE MANHOLE IN-FIELD
SCALE: NONE



- NOTES:**
- COORDINATE LOCATION OF FENCE WITH PROJECT ENGINEER OR LANDSCAPE ARCHITECT.
 - IF EXCAVATION OCCURS WITHIN DRIP LINE, EXISTING ROOTS SHALL BE CLEANLY CUT PRIOR TO EXCAVATION BY A CERTIFIED ARBORIST AND TREES SHALL BE WATERED.

10 EXISTING TREE PROTECTION
SCALE: NONE



- NOTES:**
- CAN BE MADE WITH PVC AND "T."

11 AREA DRAIN (HDPE OR PVC)
SCALE: NONE

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ISSUED FOR BID



ROBERT NEWTON, PE No. 20662

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD

IN AVON CONNECTICUT

DETAILS

FEBRUARY 11, 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

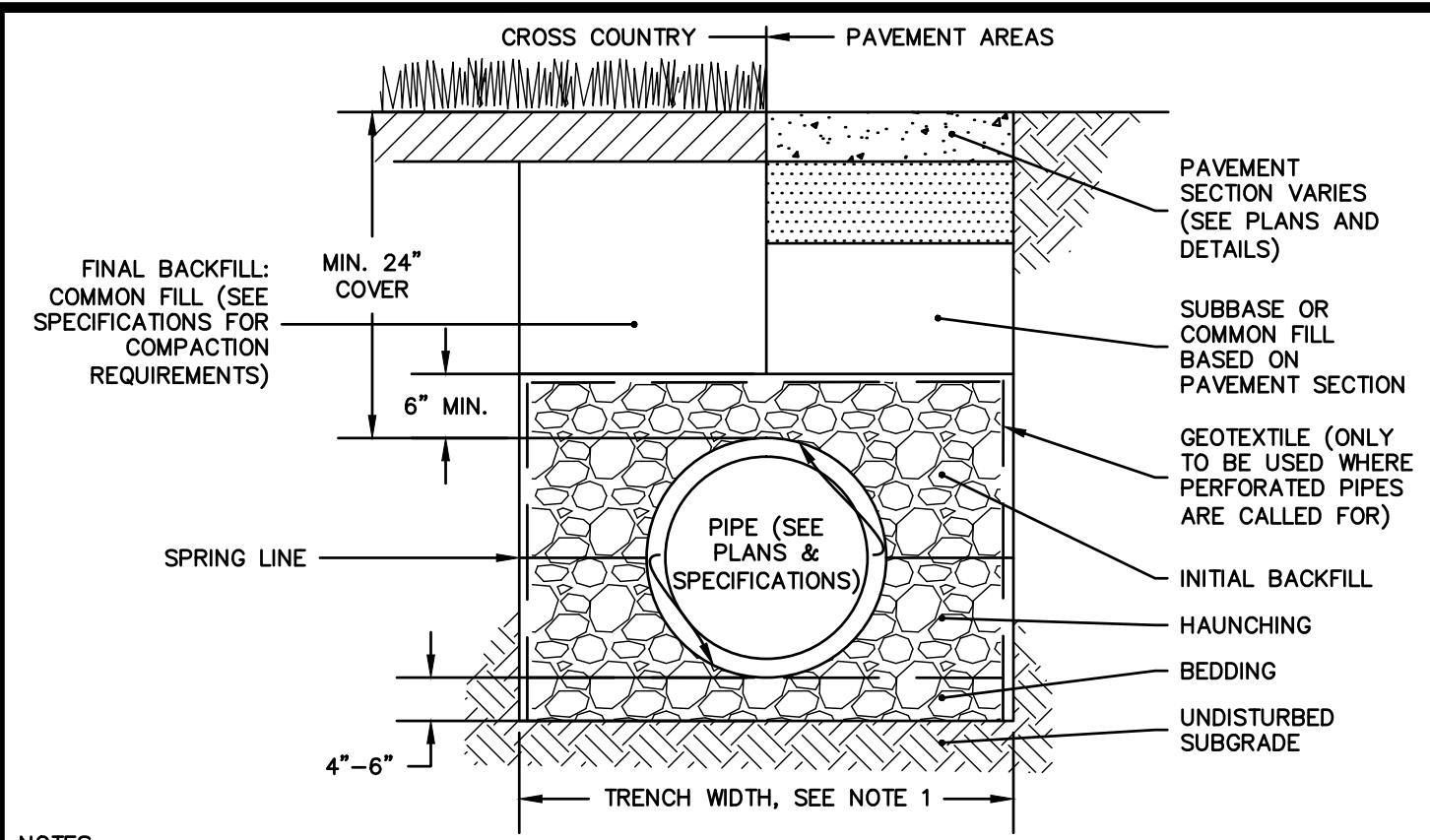
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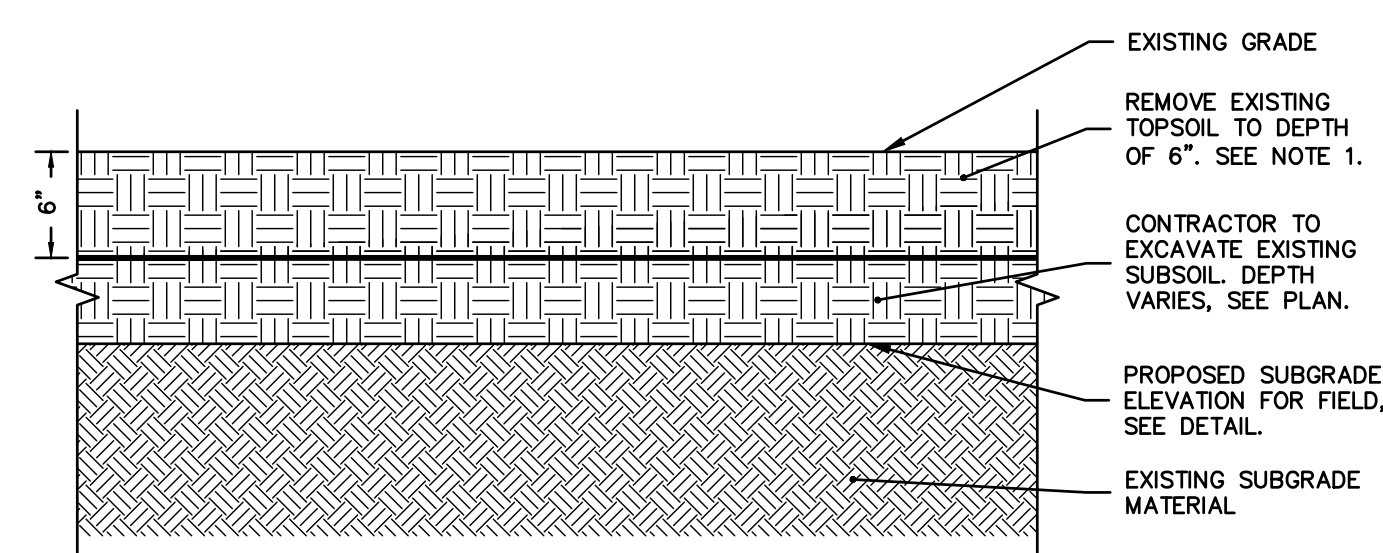
L-3.0



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 CONDOT 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 CONDOT NO. 6, NO. 67, OR NO. 8 AGGREGATE OR OTHER MATERIALS MEETING THE REQUIREMENTS OF ASTM D2321 FOR CLASS IA, IB, II, OR III UNLESS OTHERWISE INDICATED BY THE PIPE MANUFACTURER.

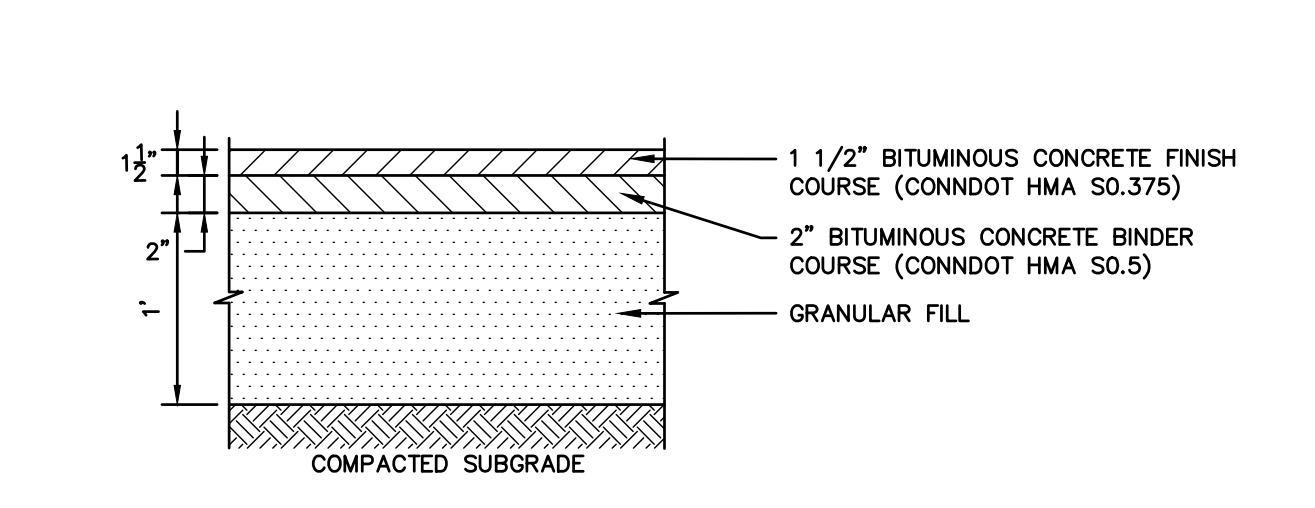
1 TYPICAL TRENCH SECTION - THERMOPLASTIC DRAINAGE PIPE
SCALE: NONE



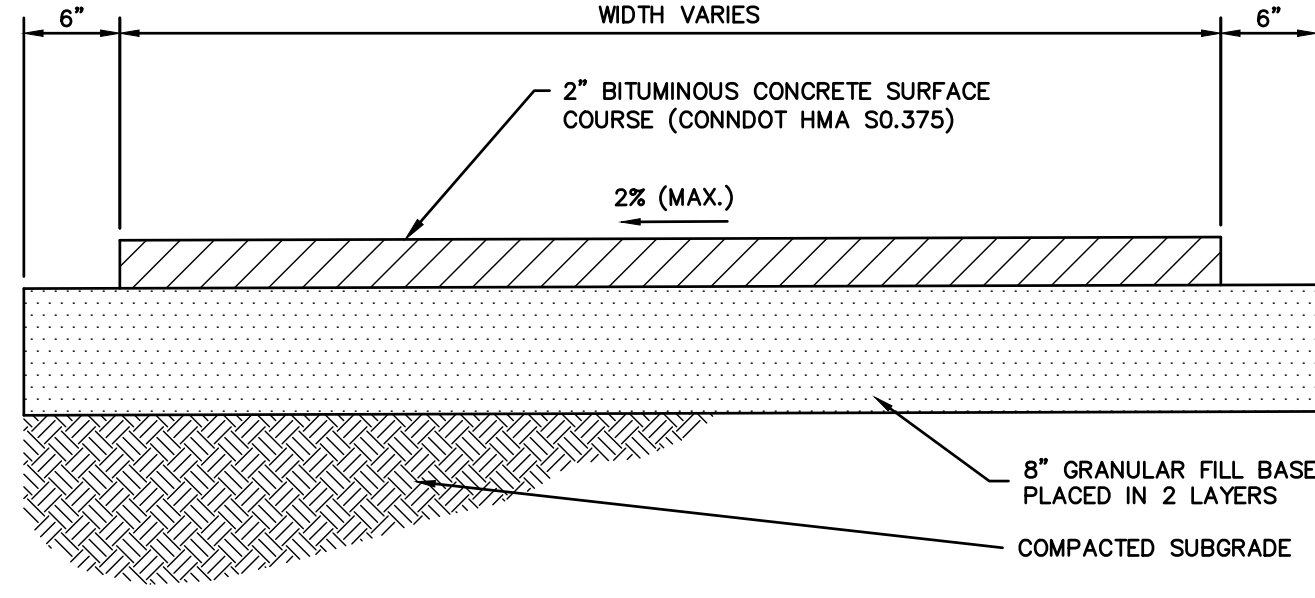
NOTES:

- 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.

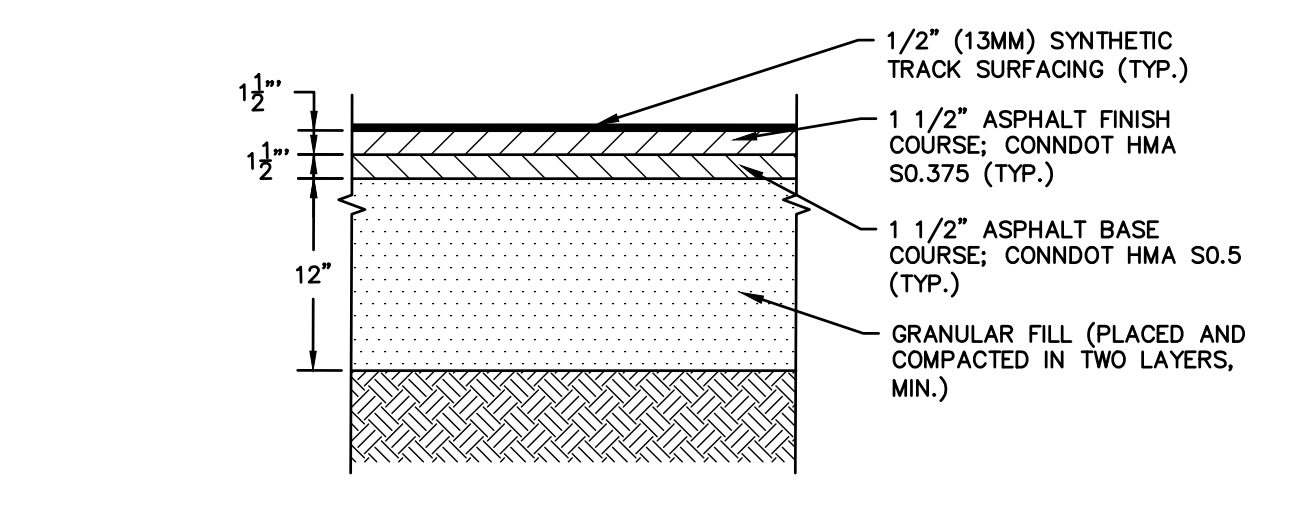
2 TYPICAL FIELD EXCAVATION
SCALE: NONE



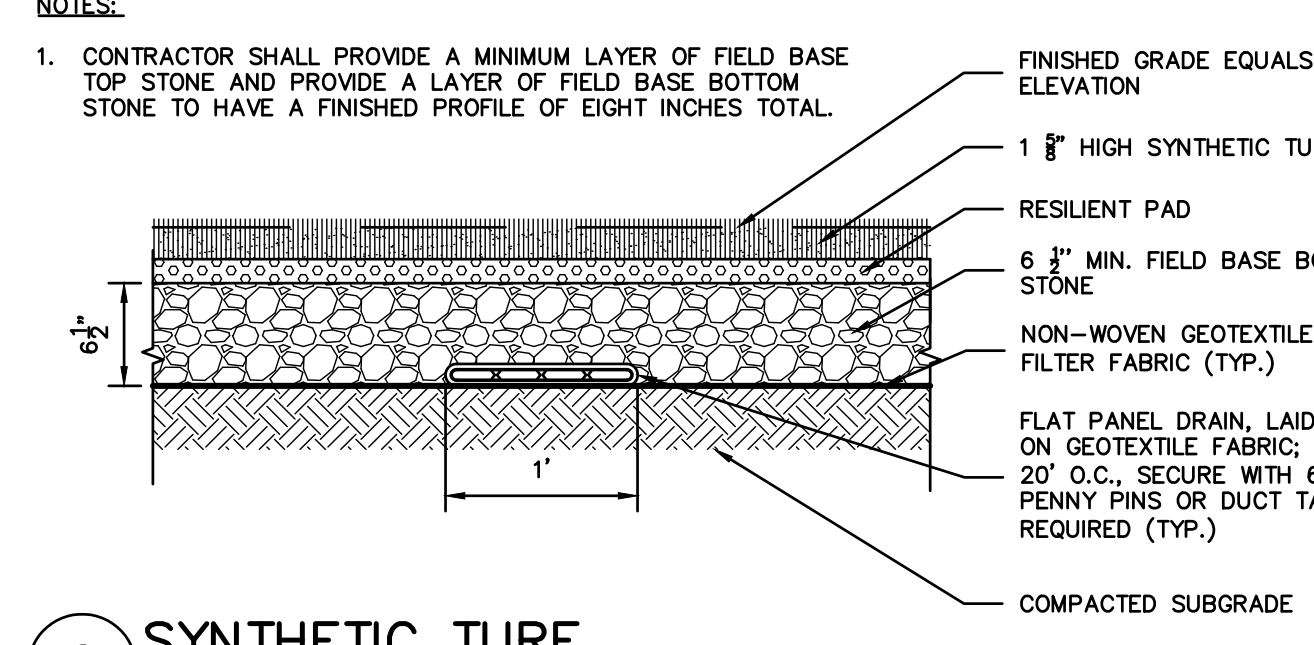
3 BITUMINOUS CONCRETE PAVEMENT
SCALE: NONE



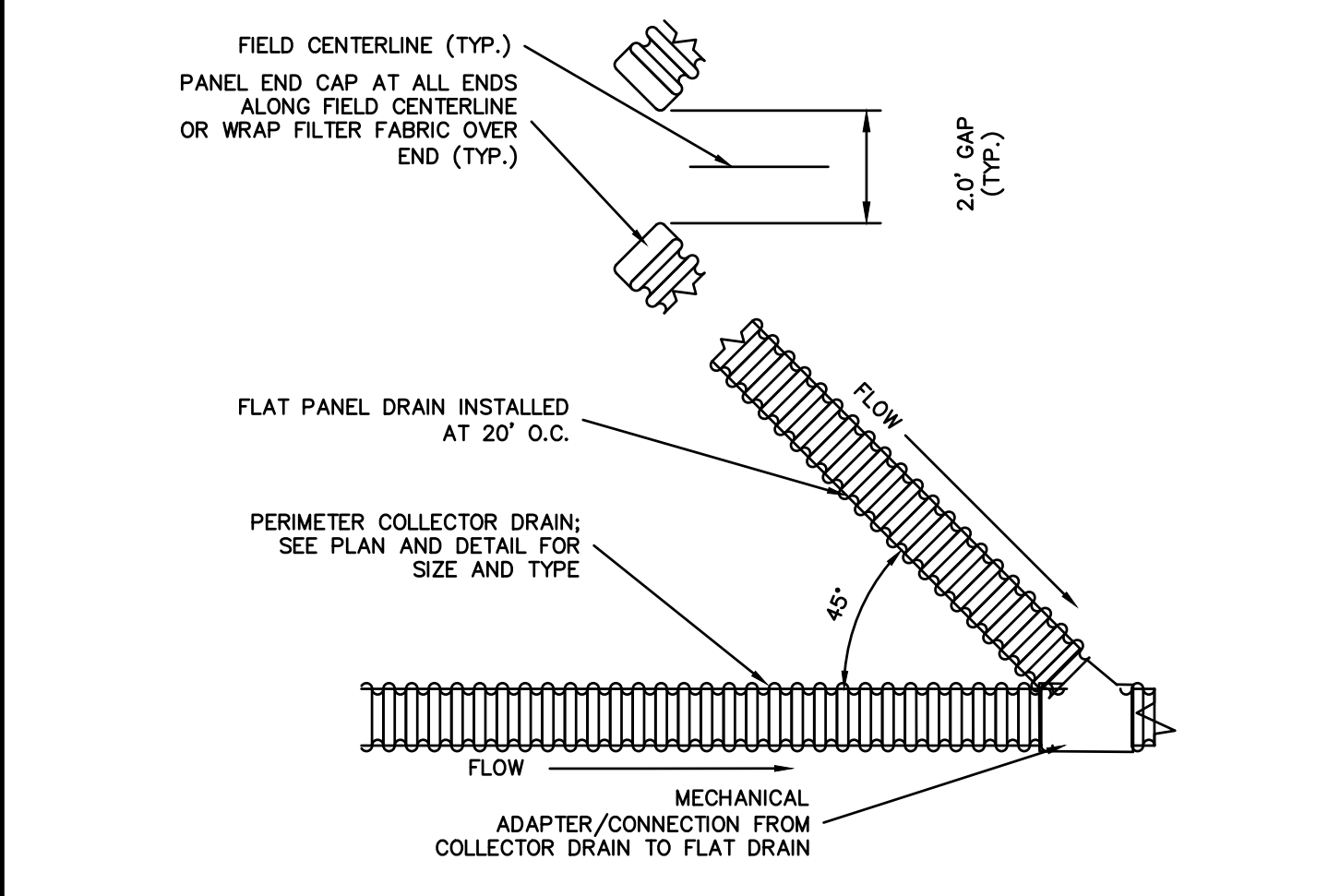
4 BITUMINOUS CONCRETE SIDEWALK
SCALE: NONE



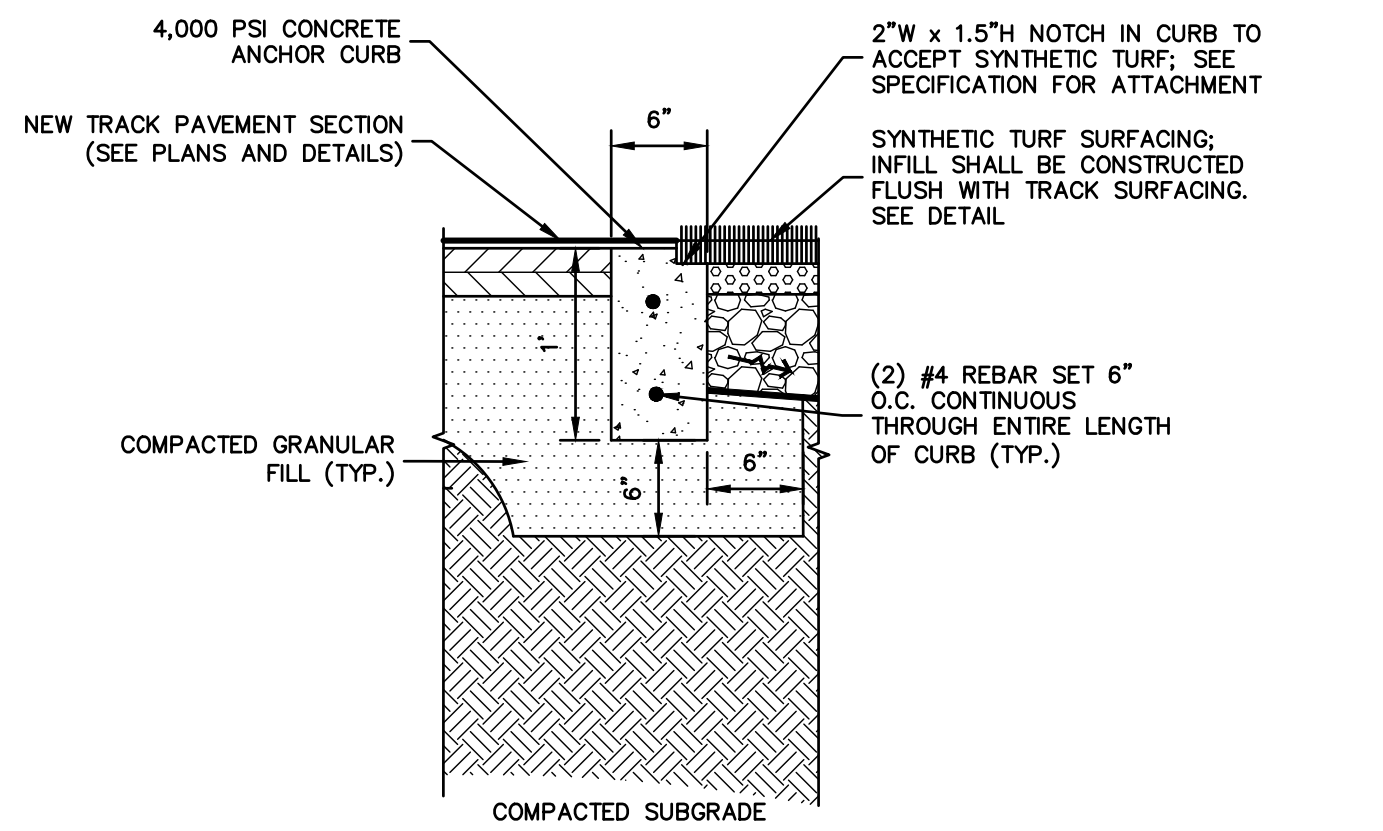
5 NEW TRACK PAVEMENT SECTION
SCALE: NONE



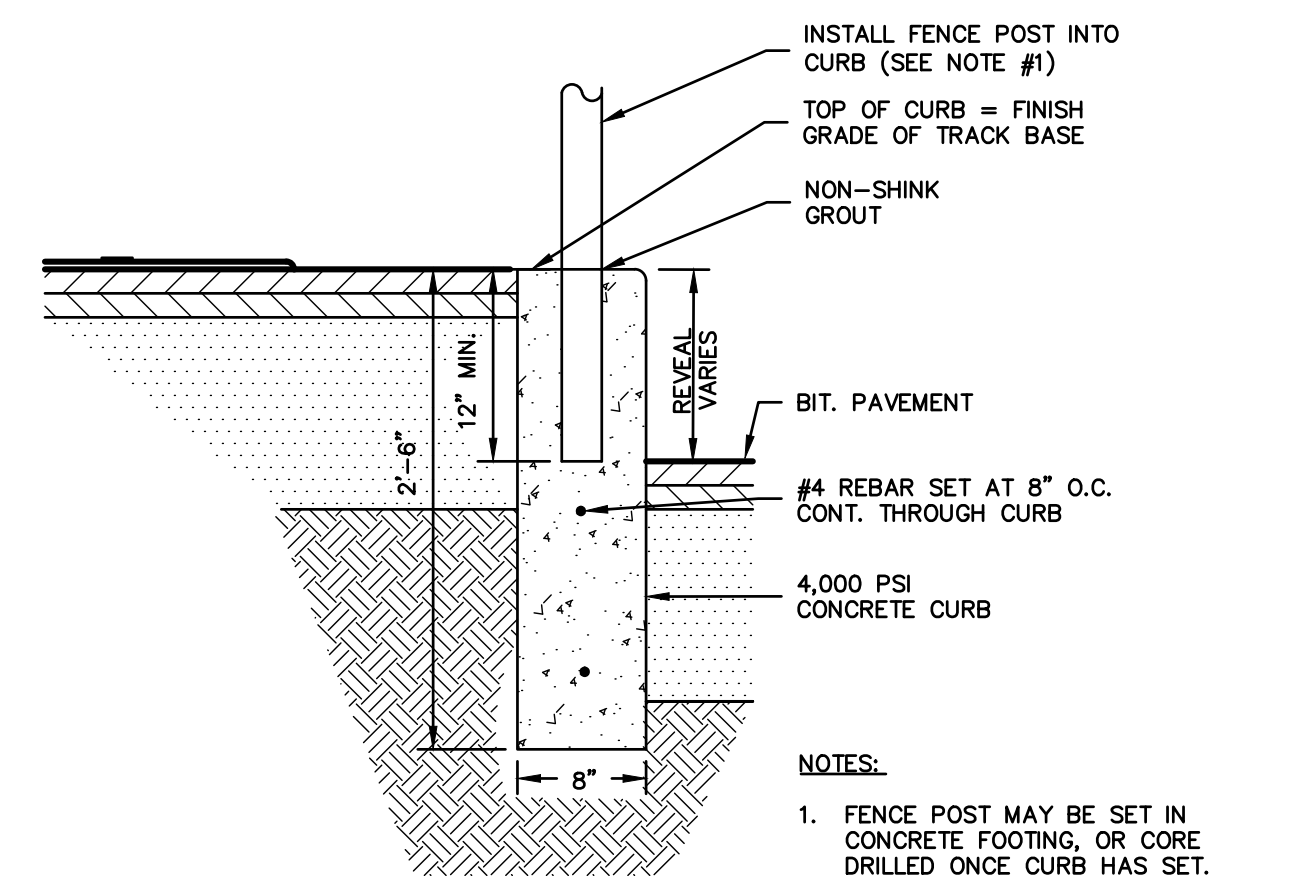
6 SYNTHETIC TURF
SCALE: NONE



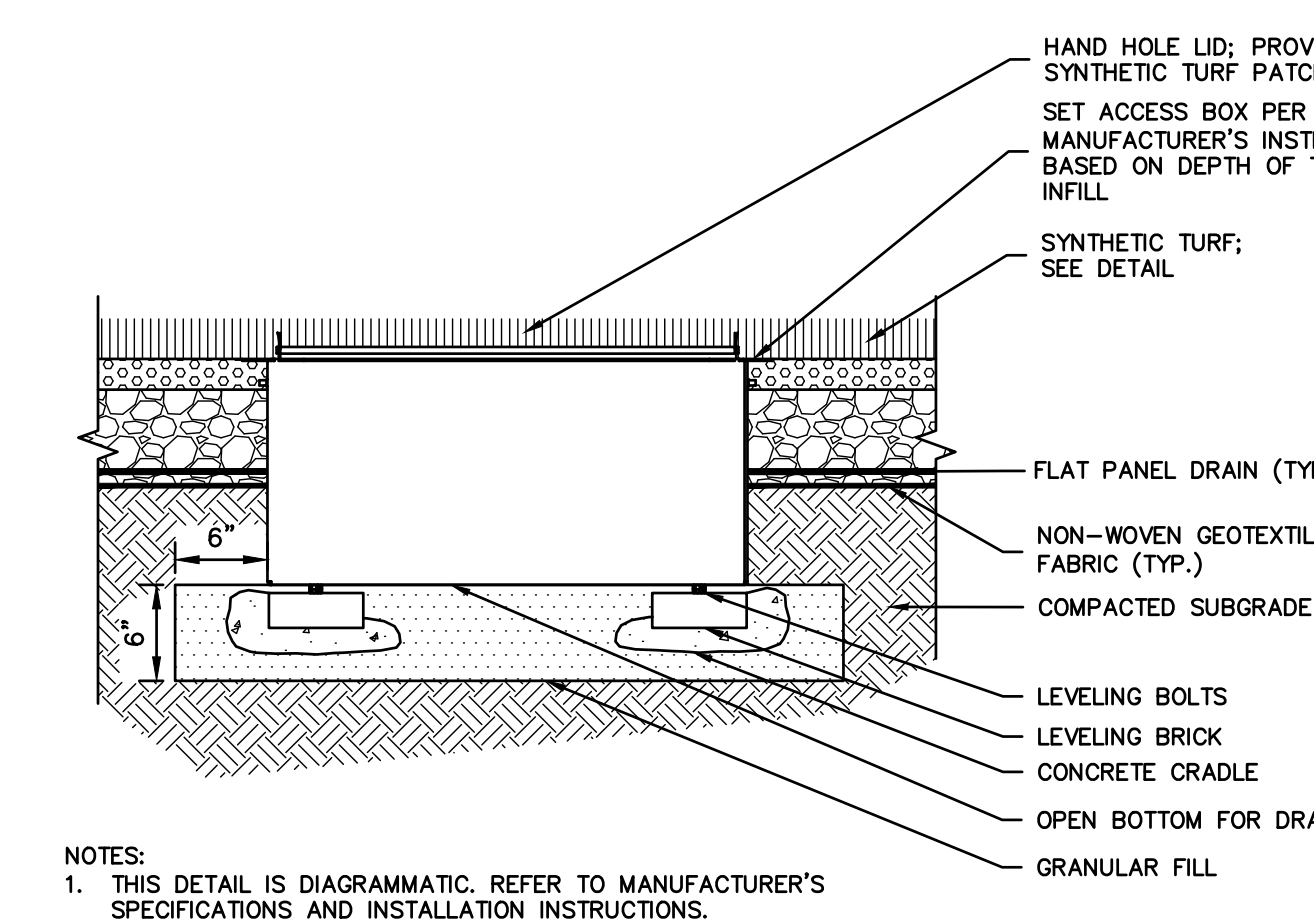
7 FLAT PANEL AND COLLECTOR DRAIN CONNECTION
SCALE: NONE



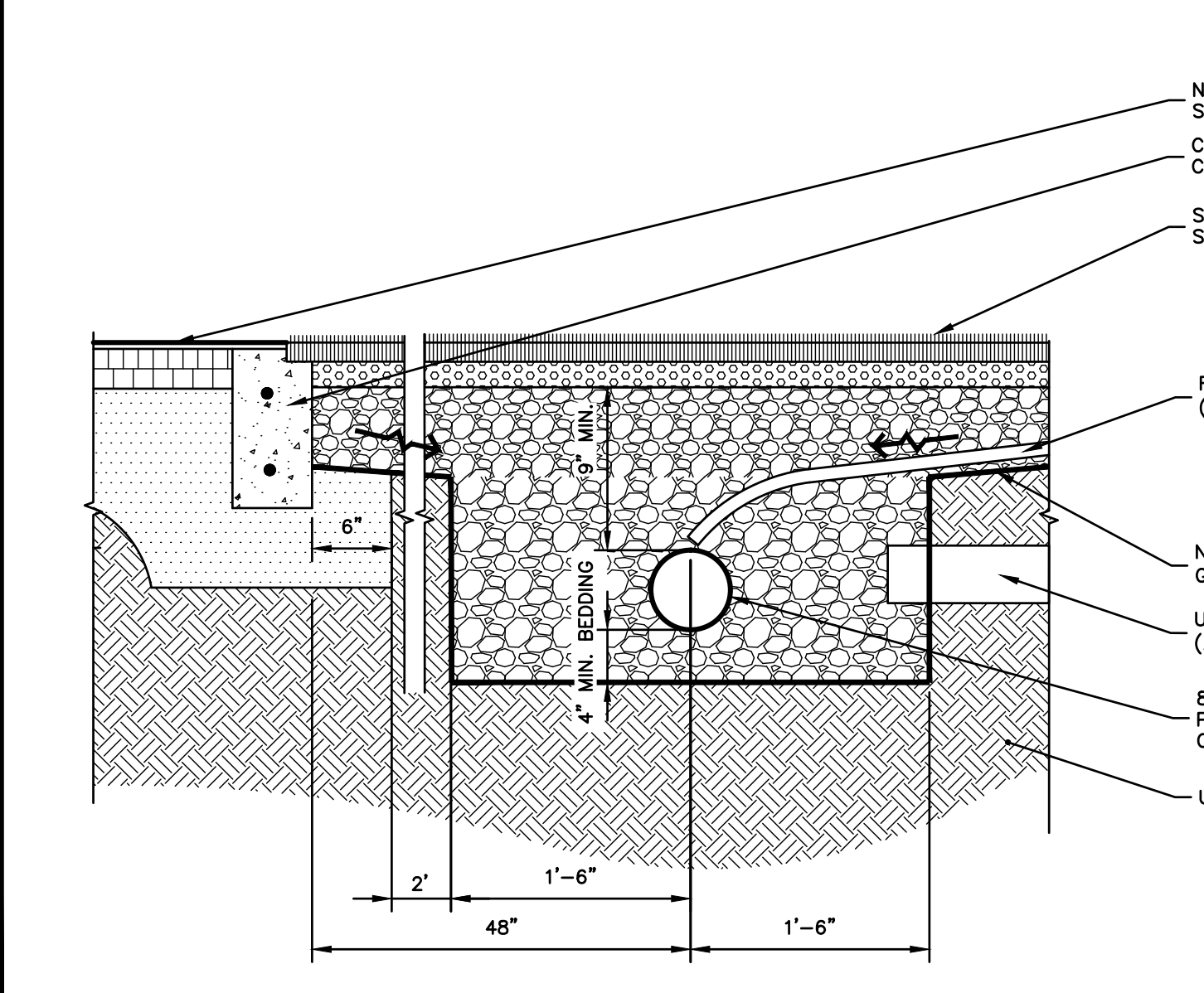
8 CONCRETE ANCHOR CURB AT NEW TRACK
SCALE: NONE



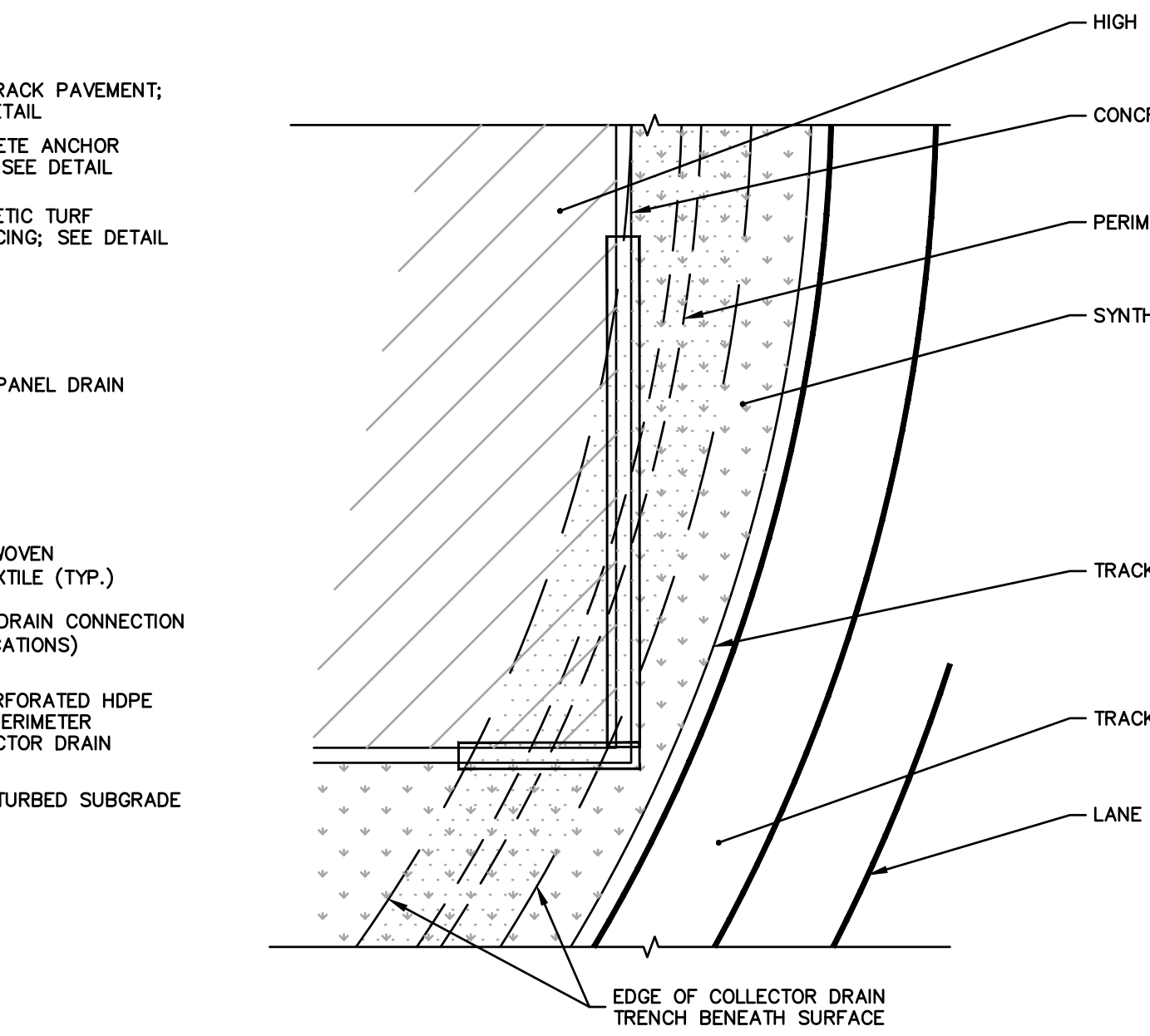
9 CONCRETE CURB AT EXISTING BLEACHERS
SCALE: NONE



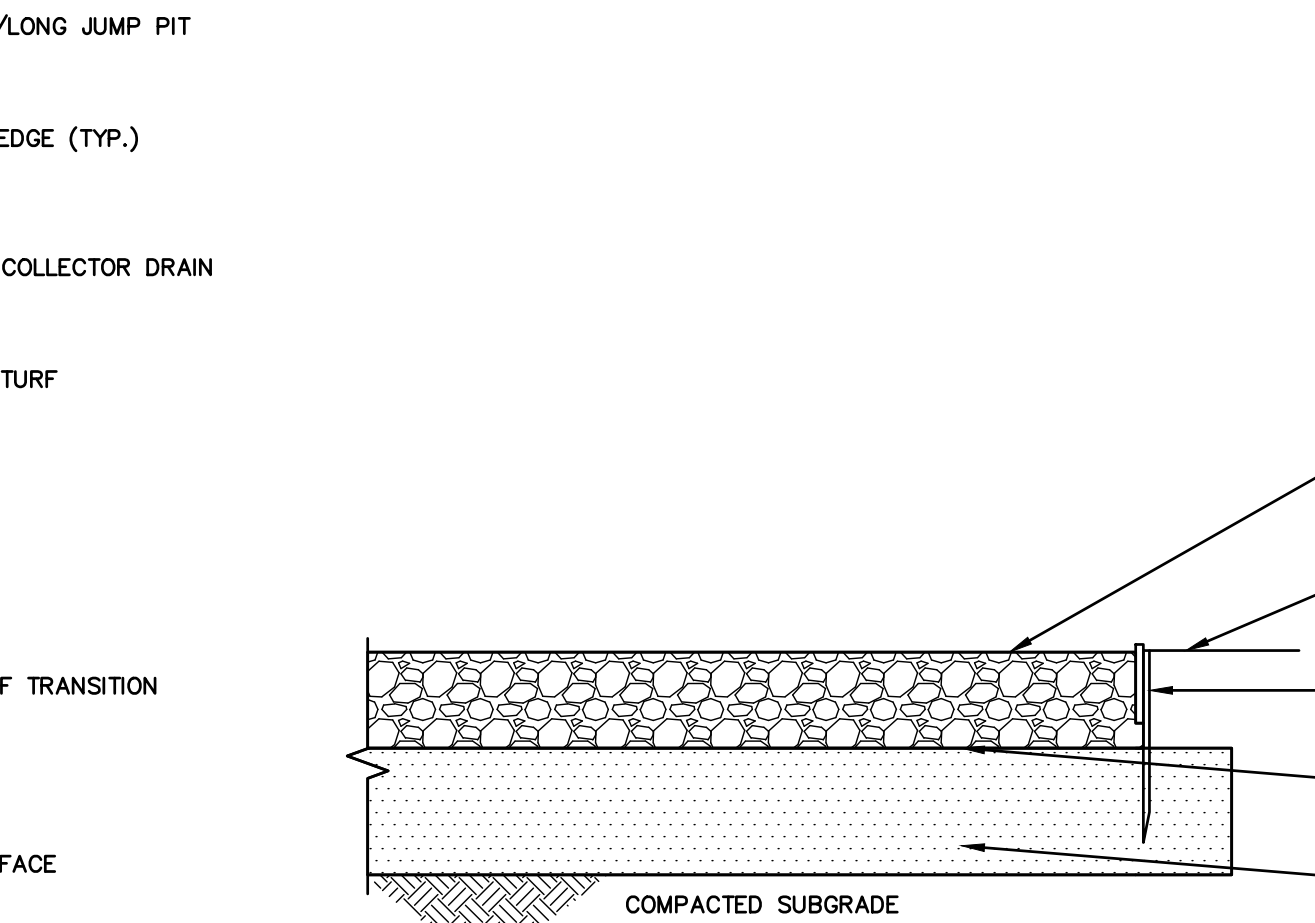
10 HANDHOLE IN SYNTHETIC TURF
SCALE: NONE



11 PERIMETER COLLECTOR DRAIN
SCALE: NONE

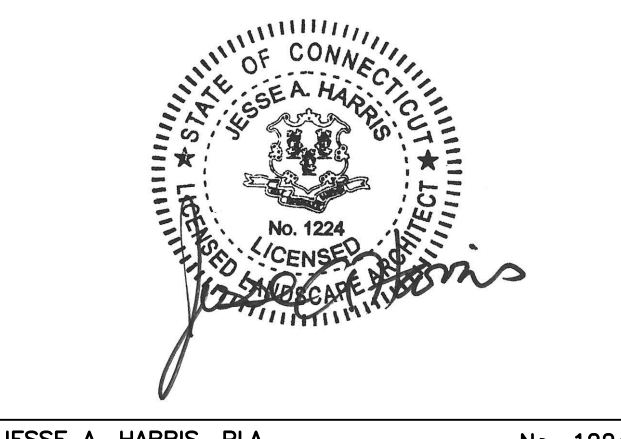


12 CONCRETE EDGE/COLLECTOR DRAIN CROSSING
SCALE: NONE



13 CRUSHED STONE PAD
SCALE: NONE

- ALTERNATES:**
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510 WEST AVON ROAD

IN AVON CONNECTICUT

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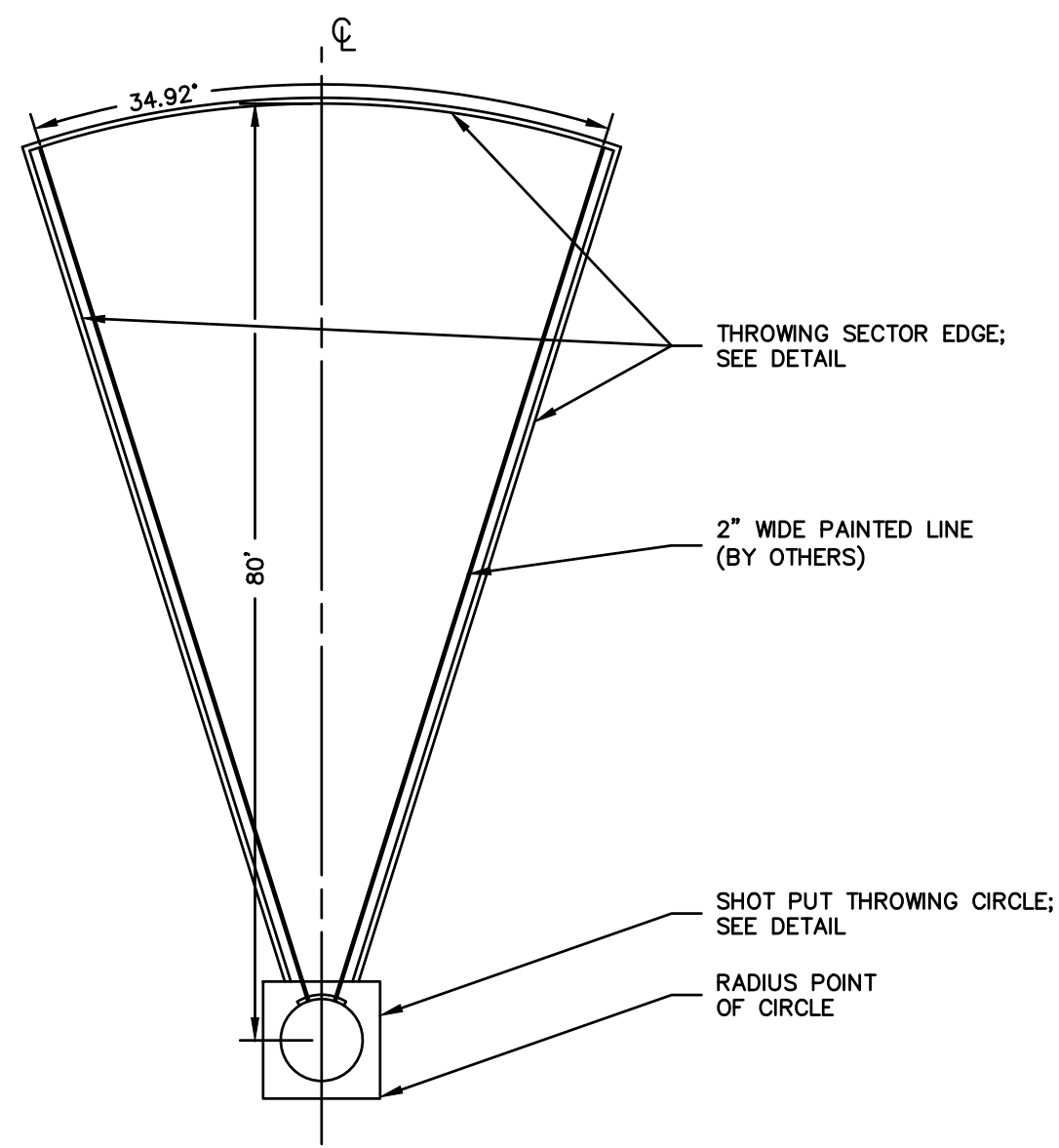
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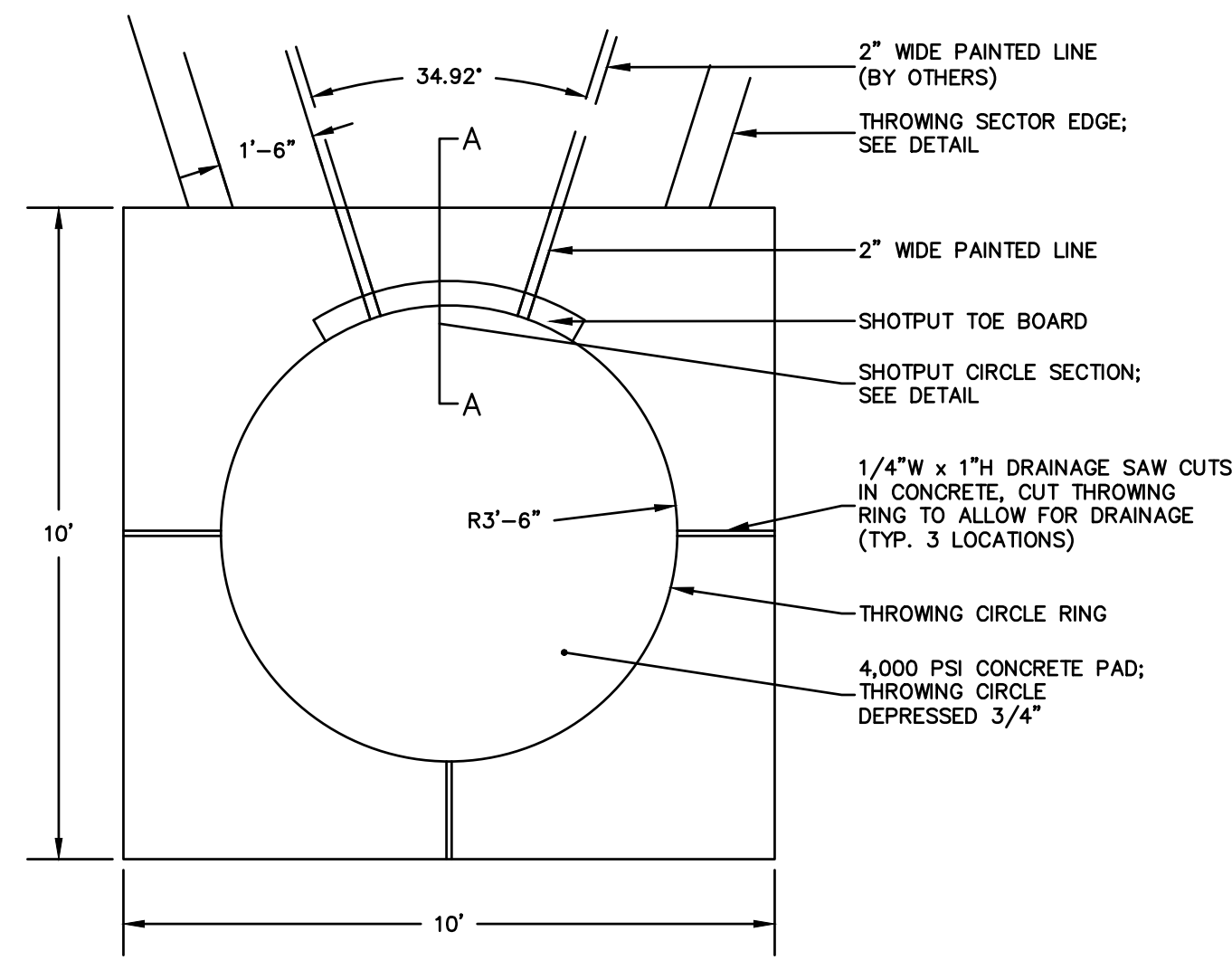
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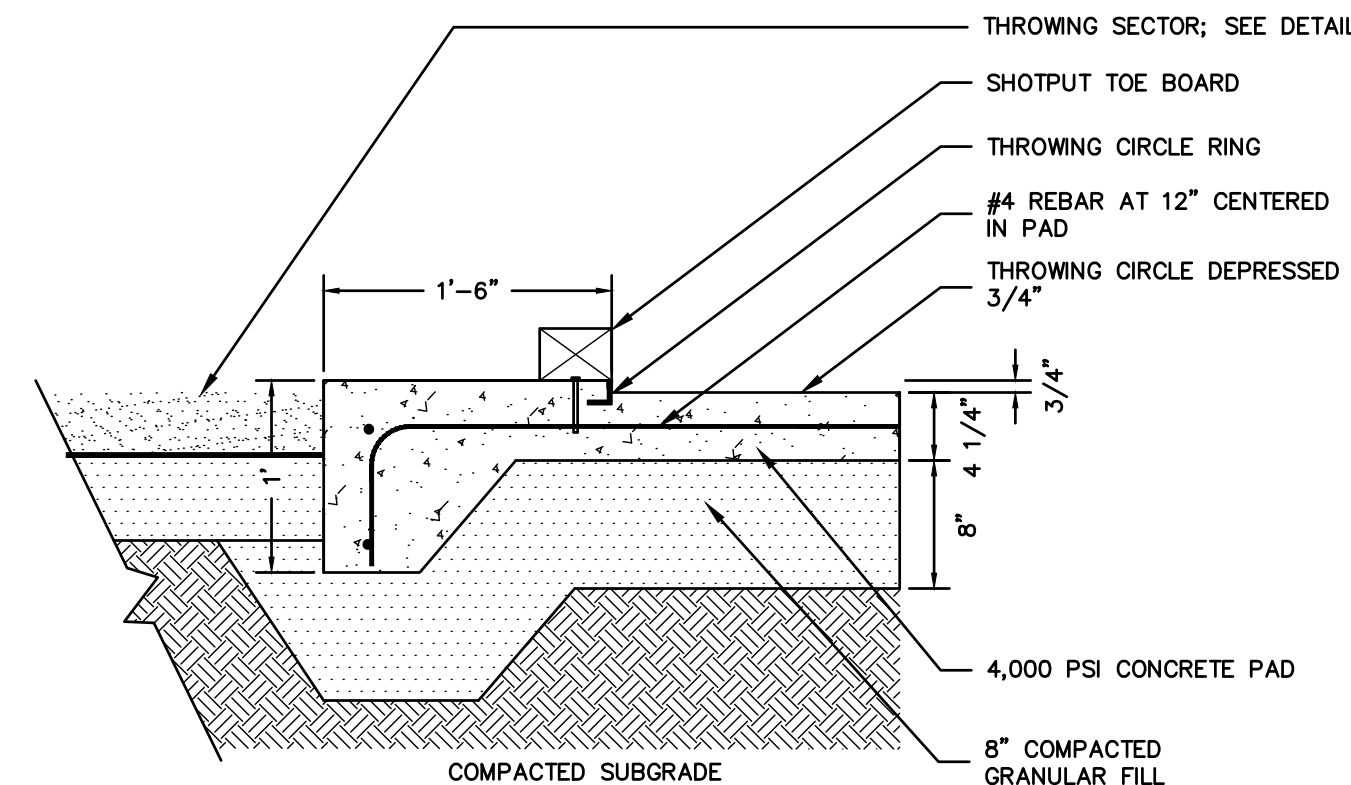
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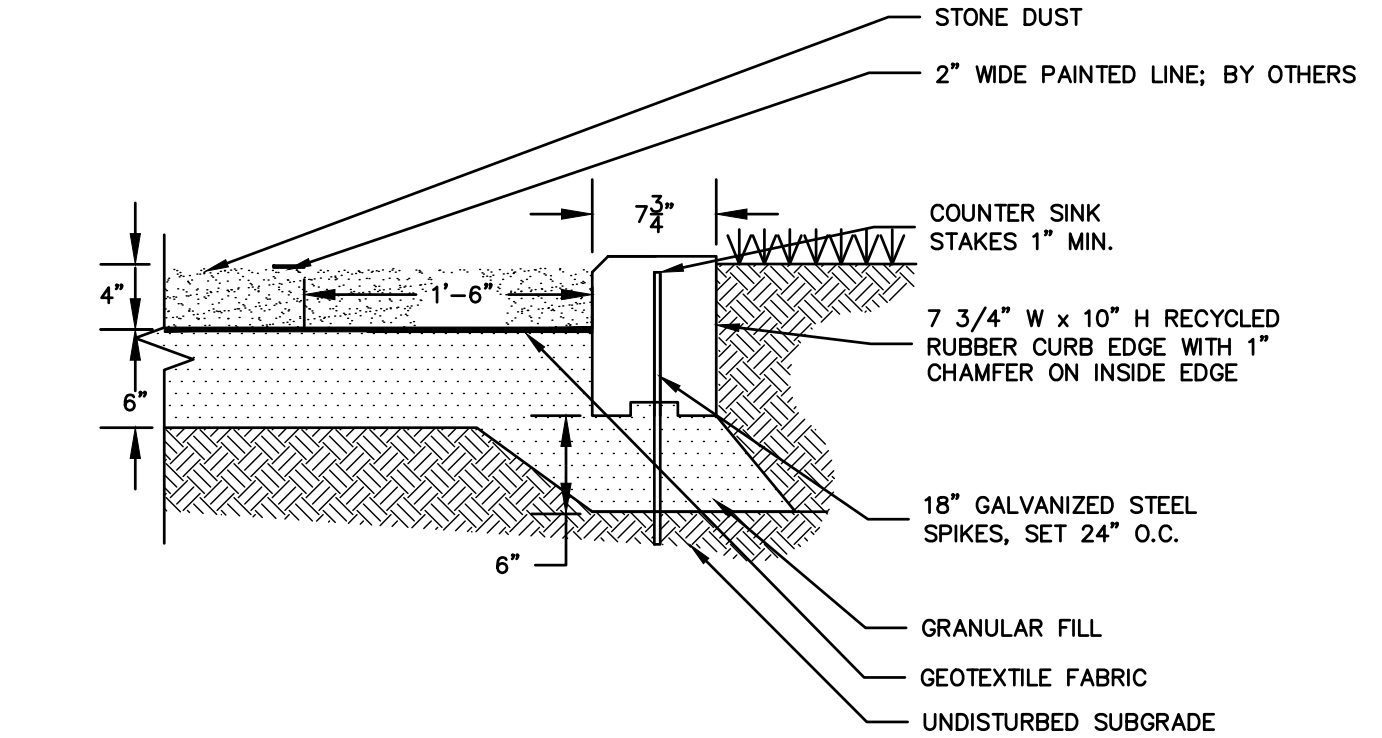
1 SHOT PUT LAYOUT
SCALE: NONE



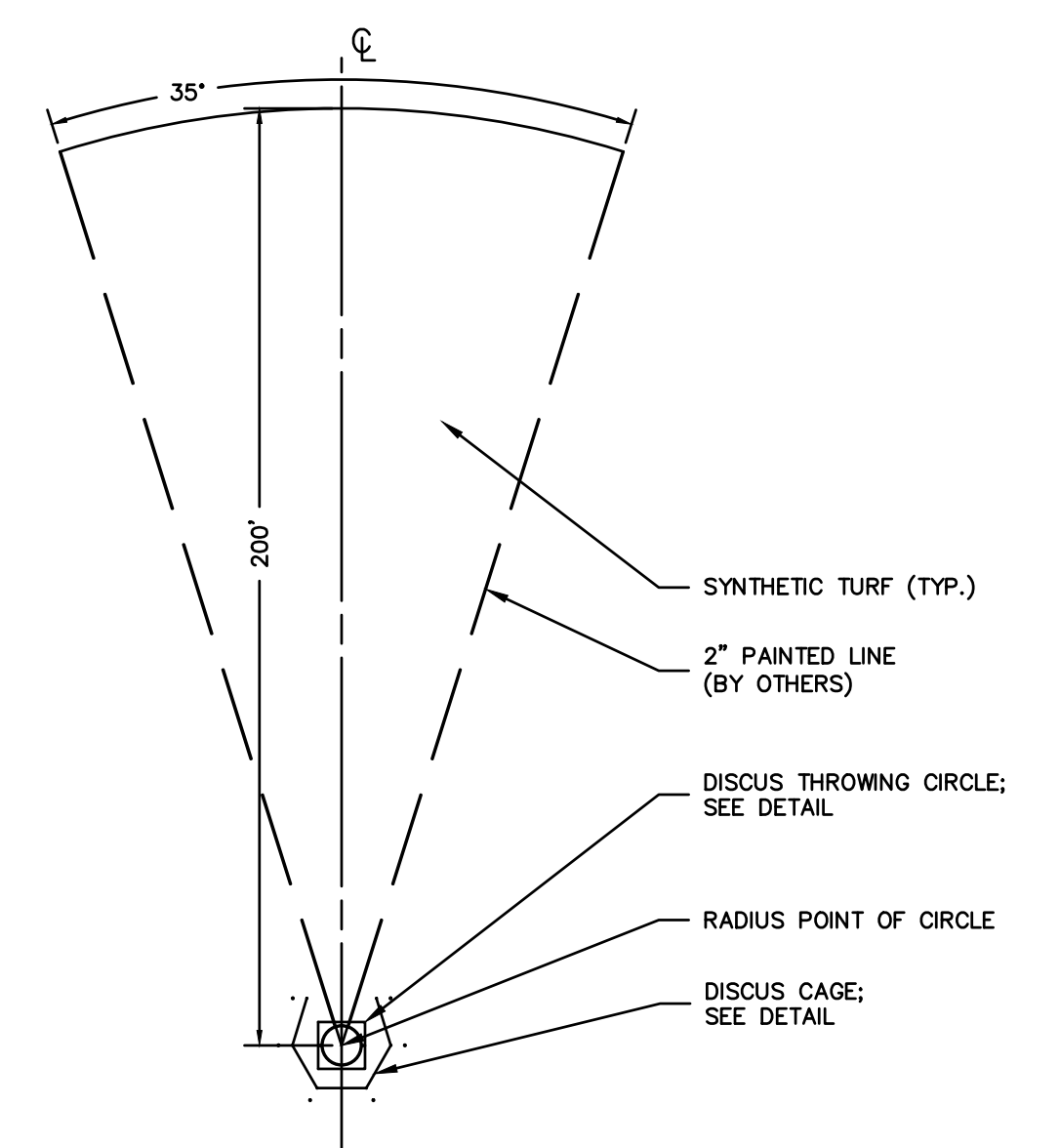
2 SHOT PUT THROWING CIRCLE
SCALE: NONE



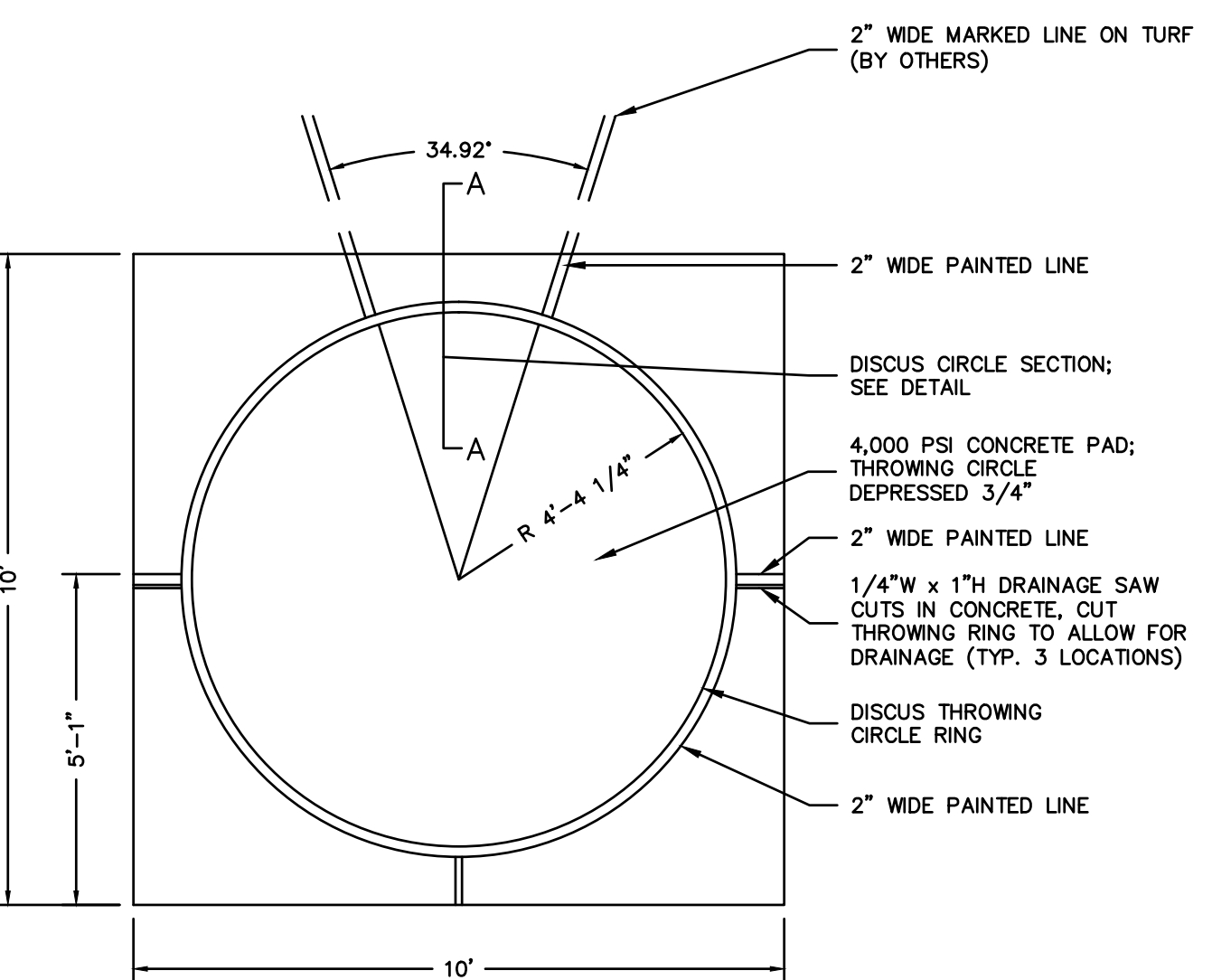
3 SHOT PUT CIRCLE SECTION
SCALE: NONE



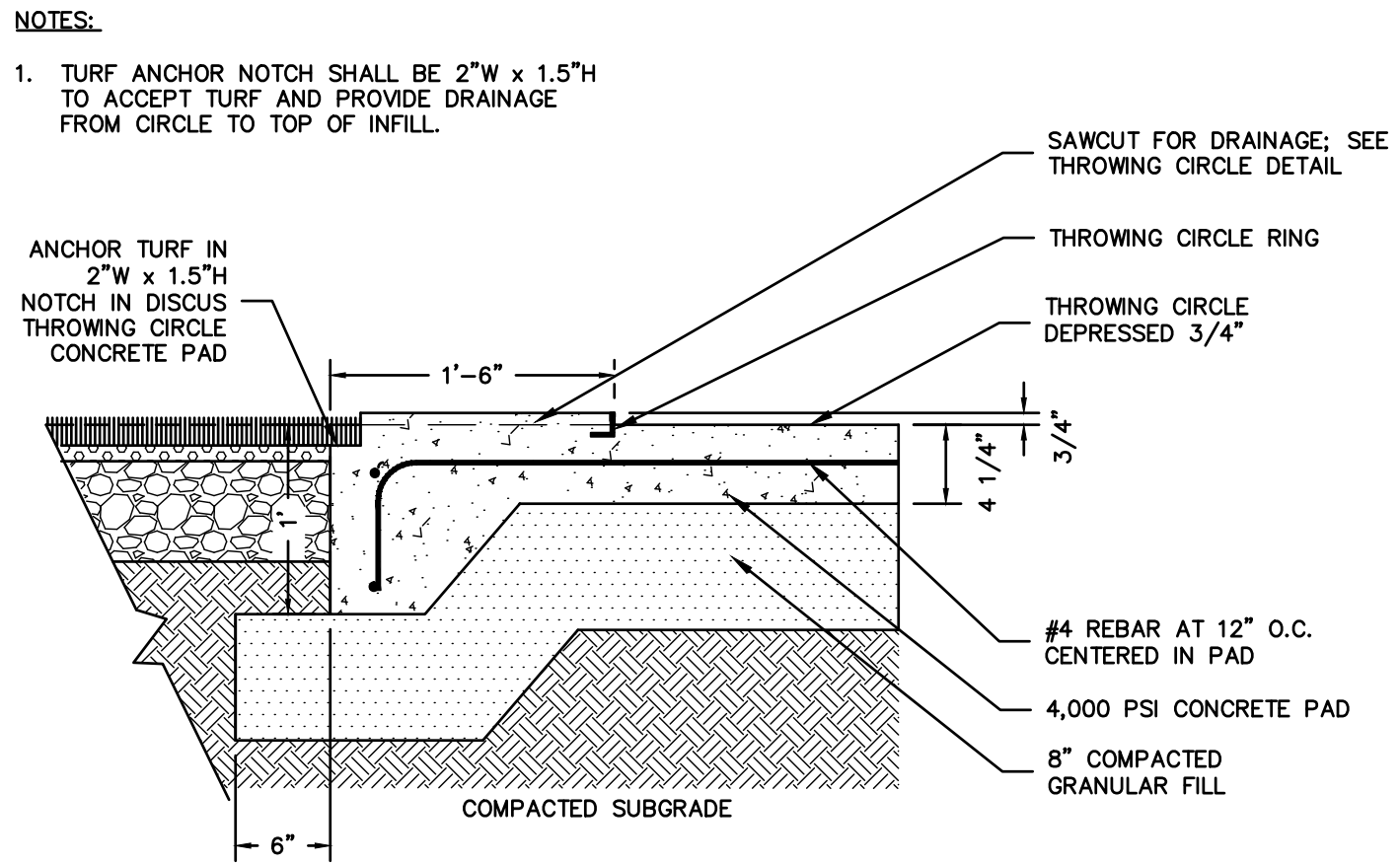
4 THROWING SECTOR EDGE
SCALE: NONE



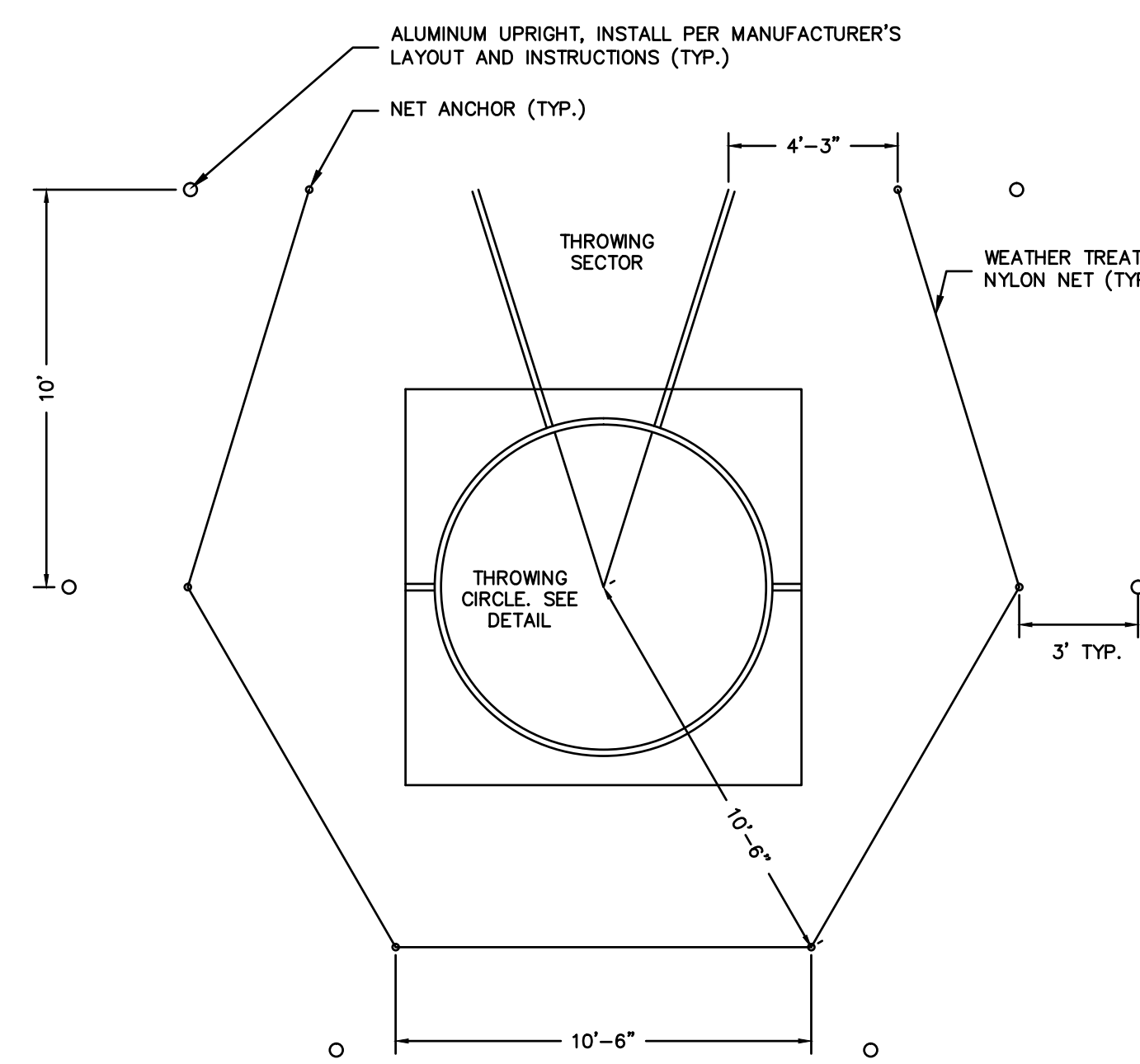
5 DISCUS LAYOUT
SCALE: NONE



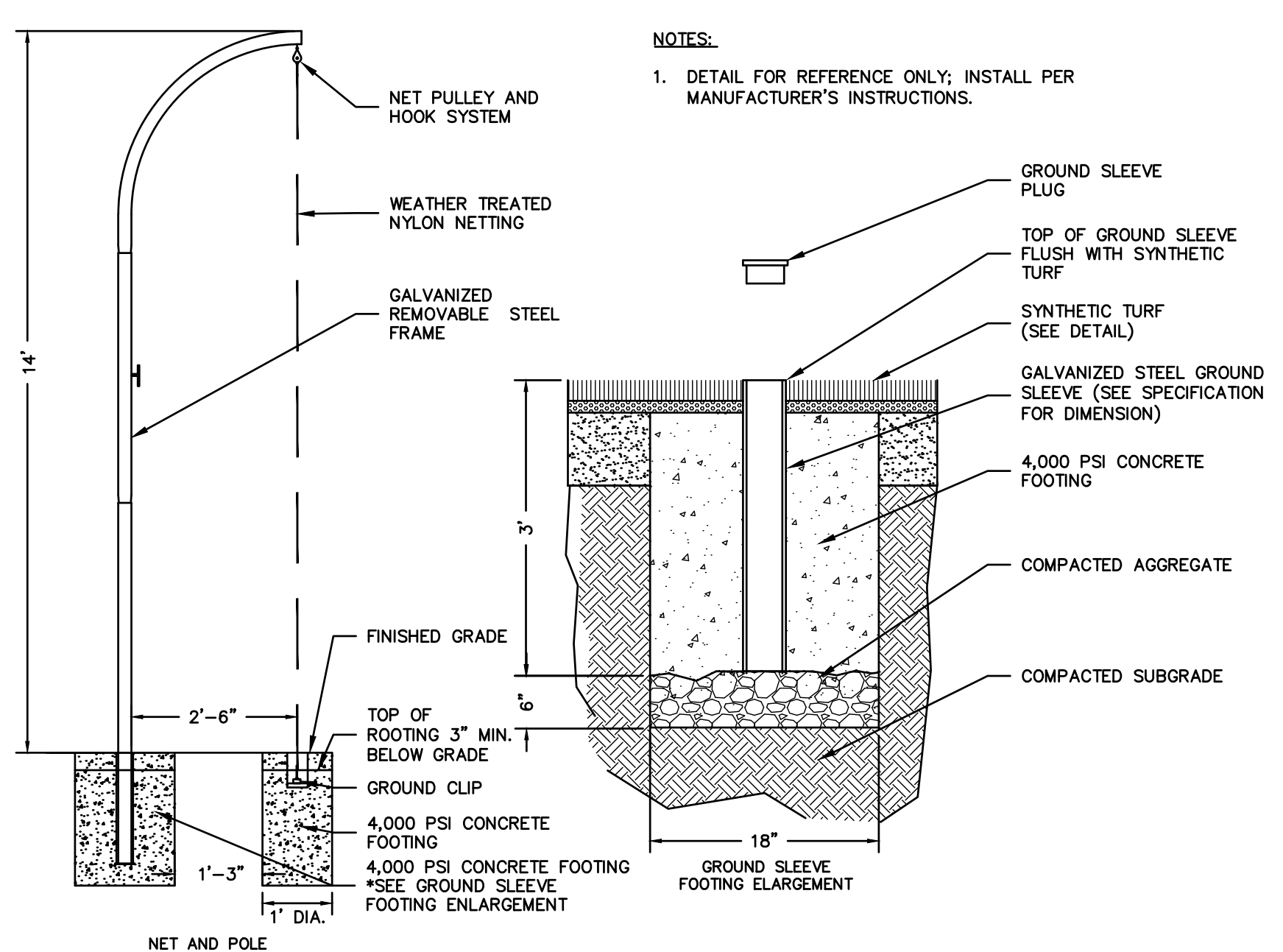
6 DISCUS THROWING CIRCLE
SCALE: NONE



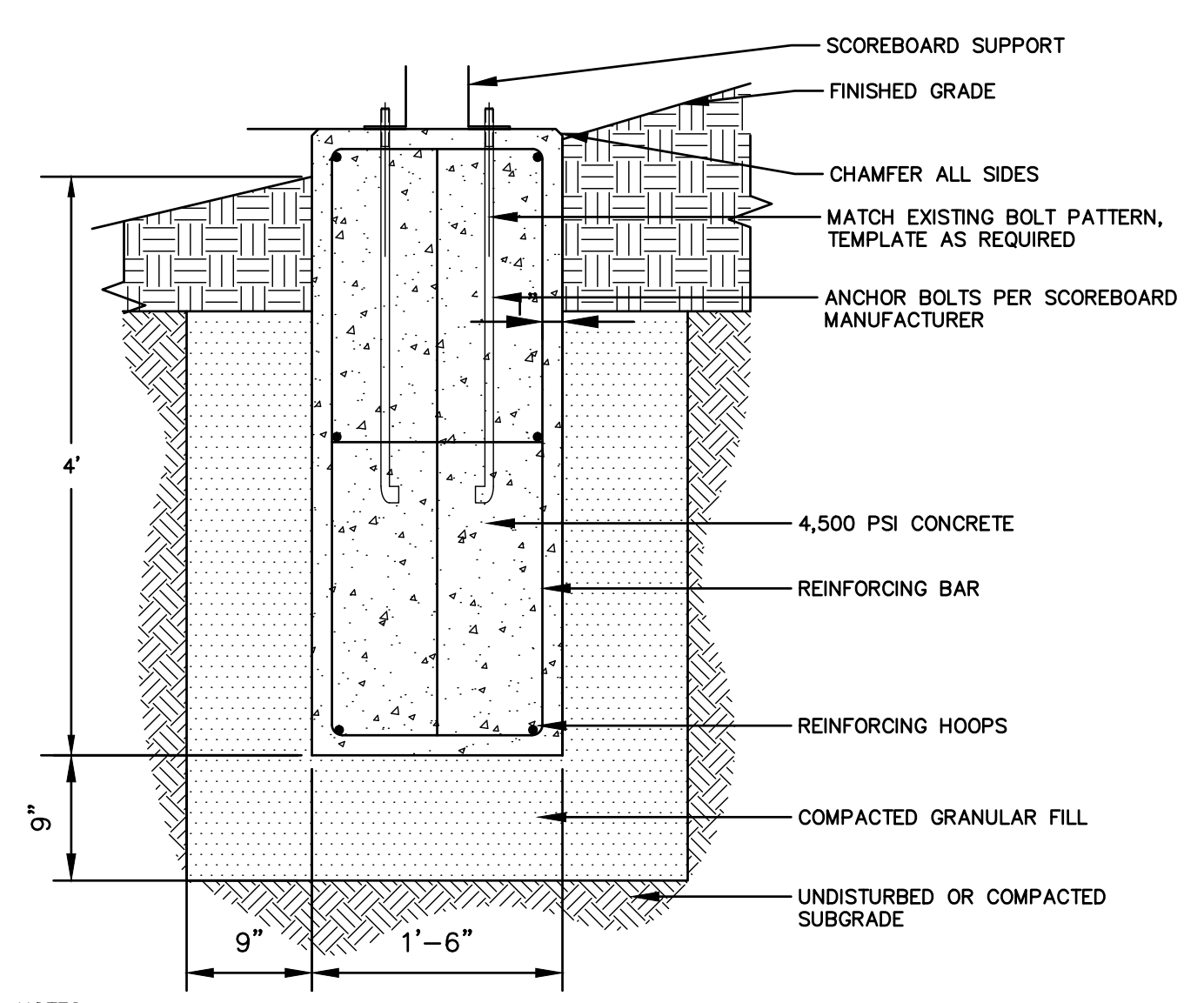
7 DISCUS CIRCLE SECTION
SCALE: NONE



8 DISCUS CAGE LAYOUT
SCALE: NONE



9 DISCUS CAGE
SCALE: NONE



10 SCOREBOARD FOOTING
SCALE: NONE



11 PREFABRICATED STORAGE BUILDING
SCALE: NONE

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510 WEST AVON ROAD

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DETAILS

FEBRUARY 11, 2019

REVISIONS:

NO.	DESCRIPTION

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

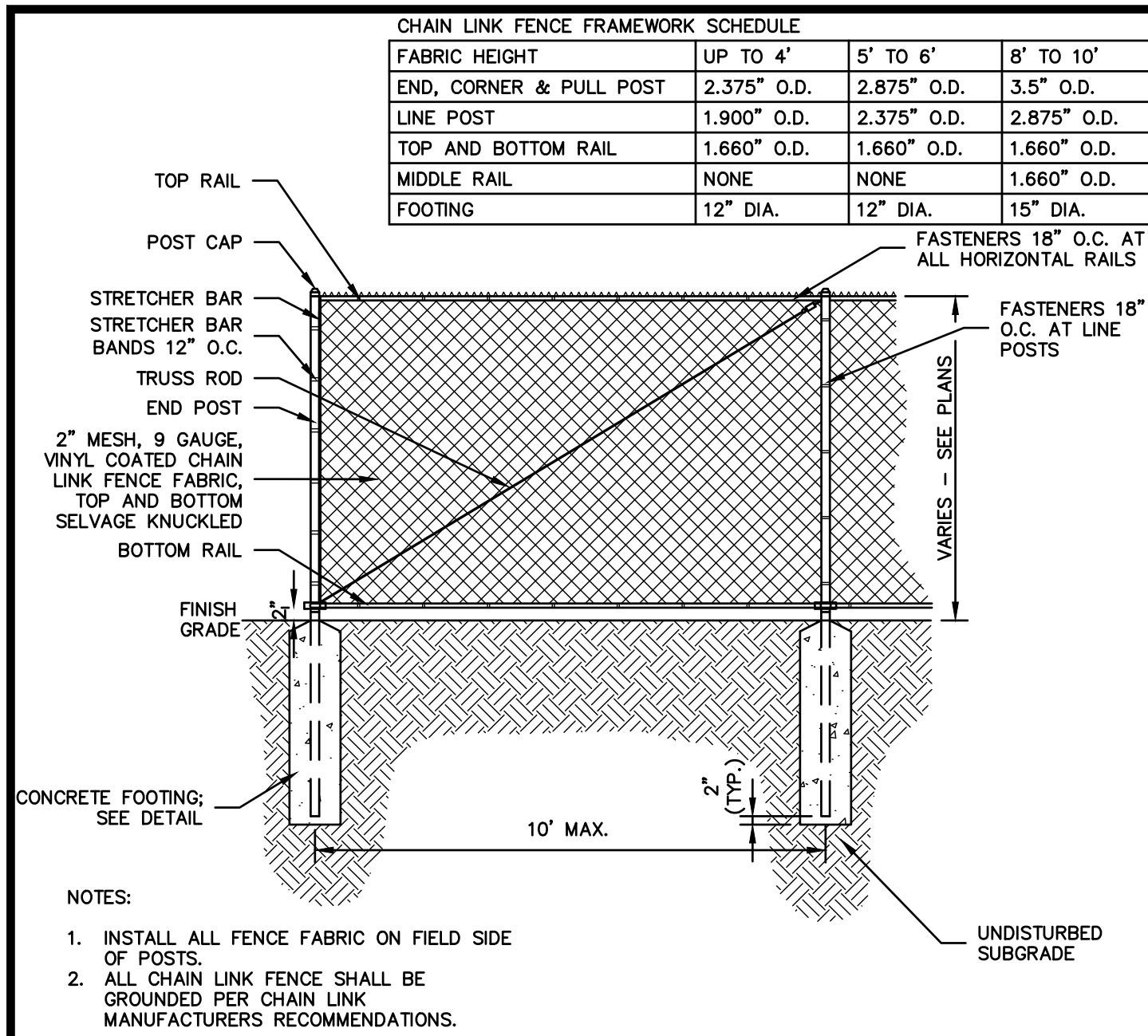
FILE: 8357202 - DET.DWG

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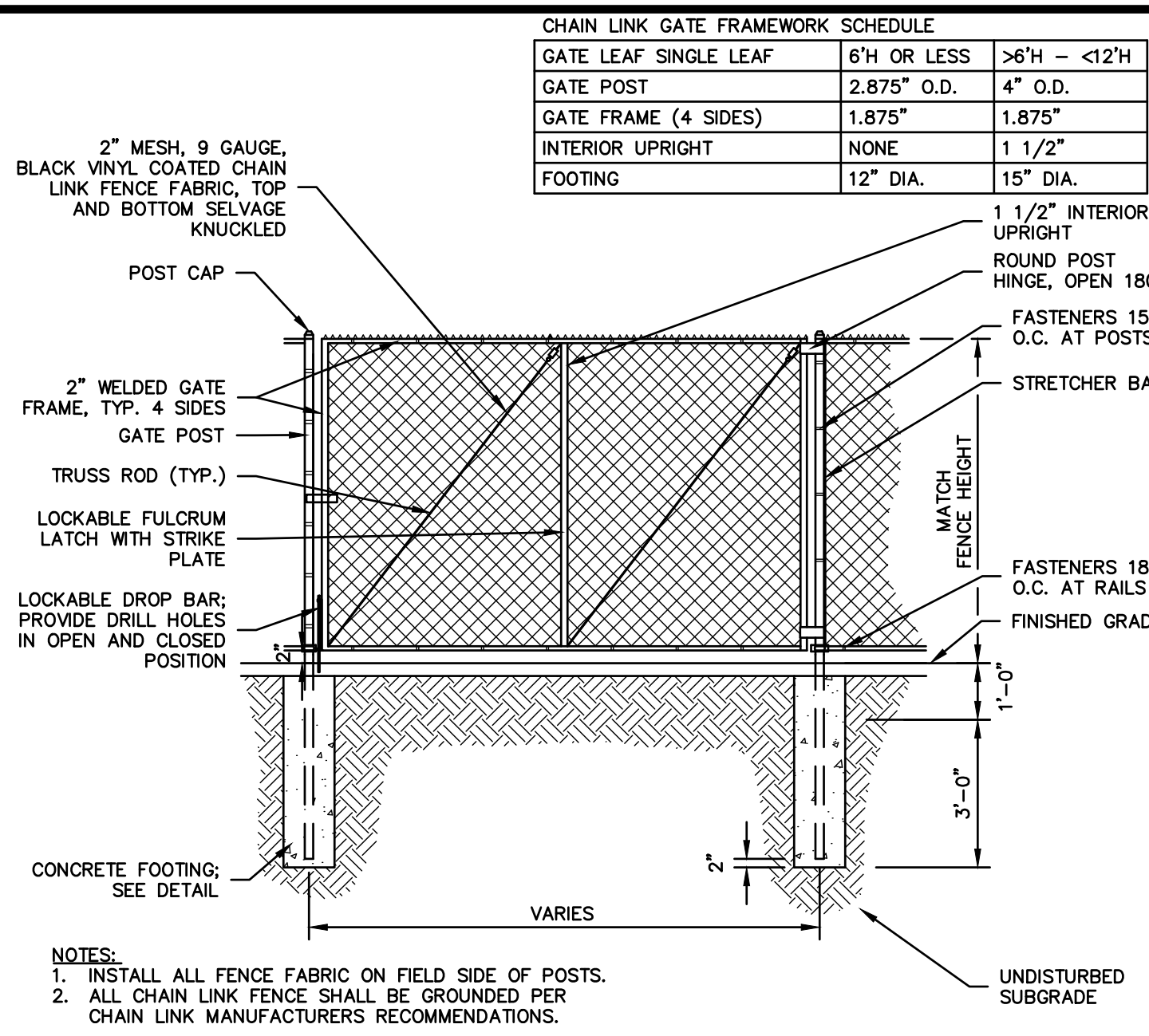
JOB. NO: 83572.02

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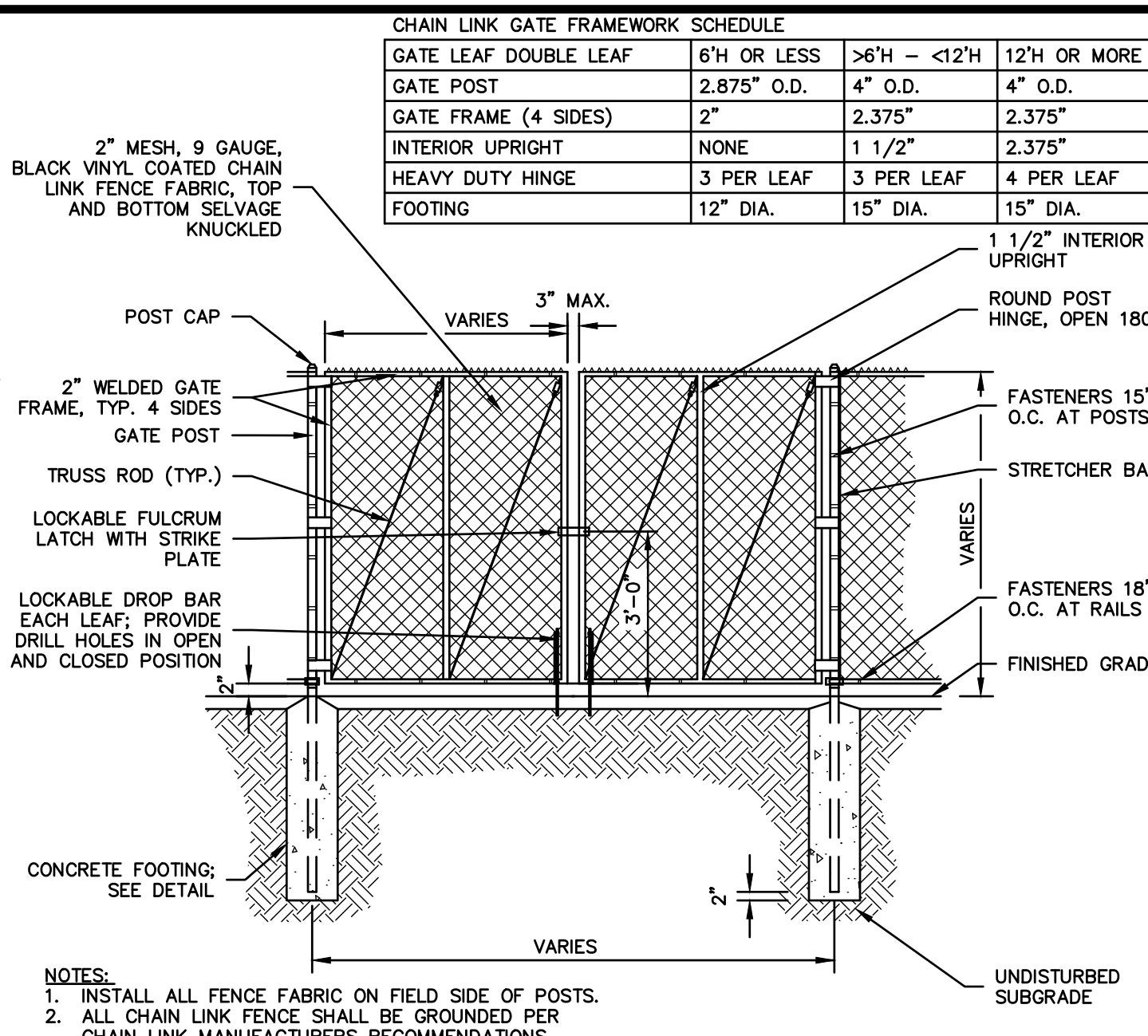
L-3.3



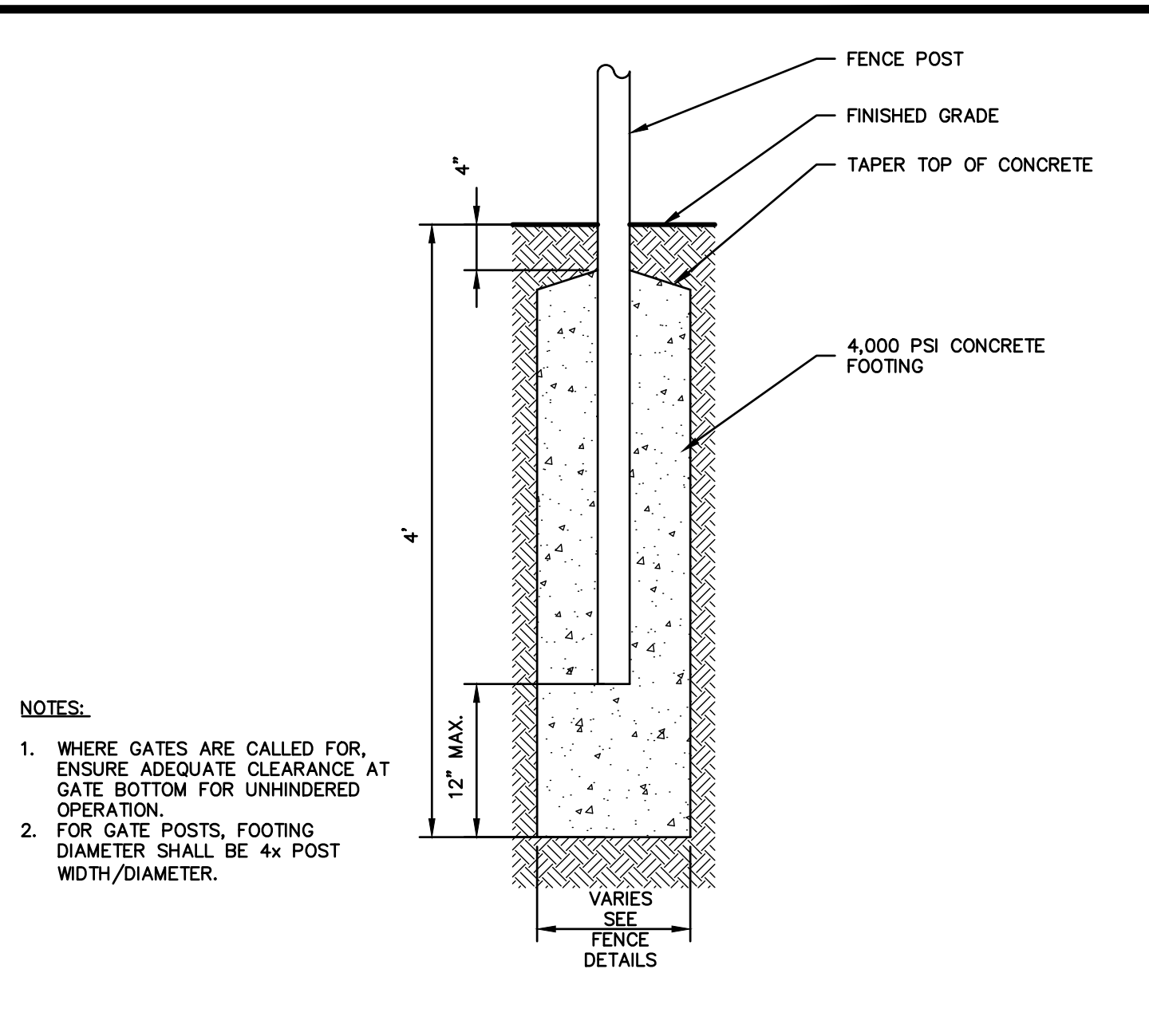
1 CHAIN LINK FENCE
SCALE: NONE



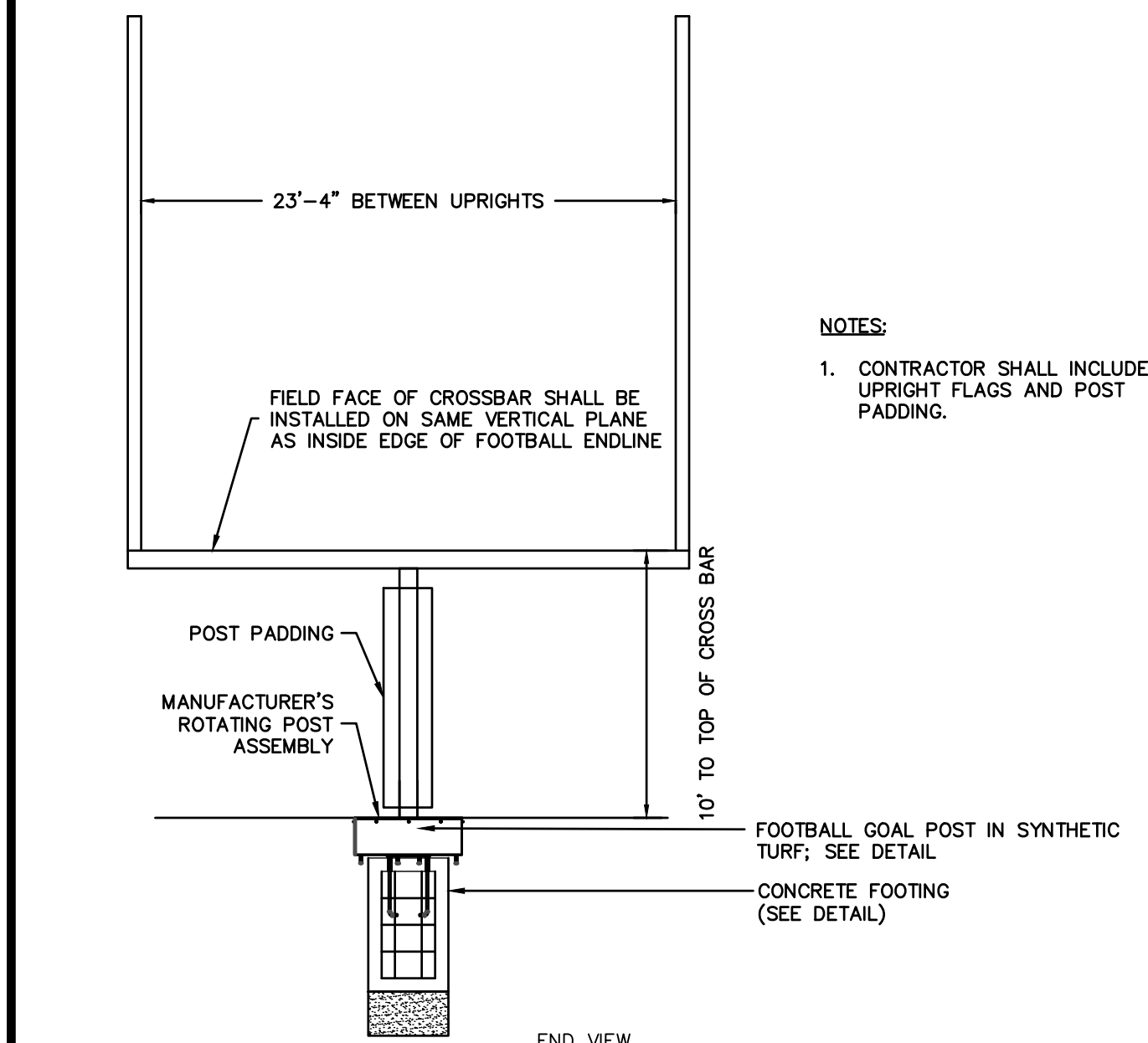
2 CHAIN LINK FENCE GATE
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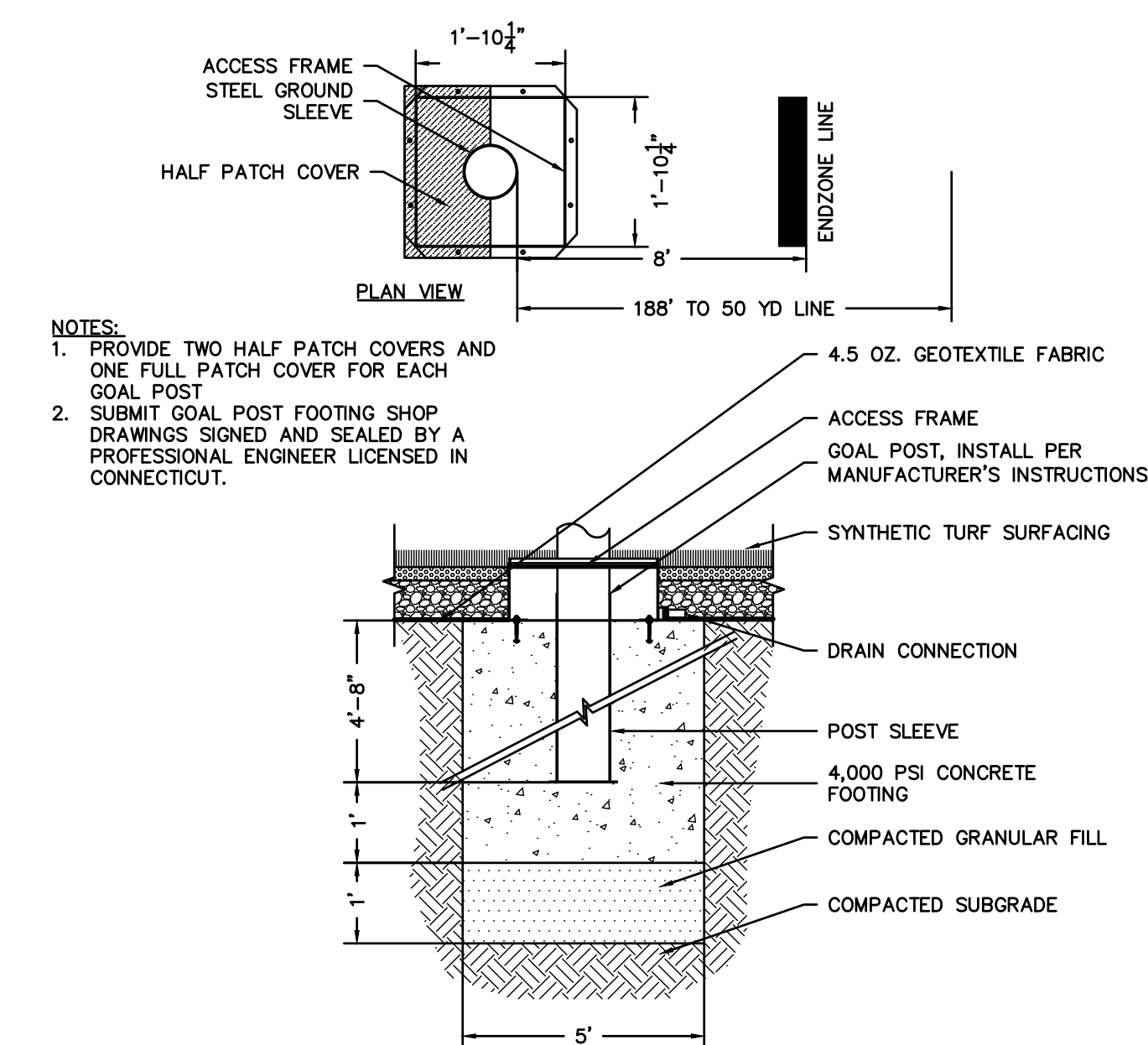
3 CHAIN LINK FENCE GATE - DOUBLE
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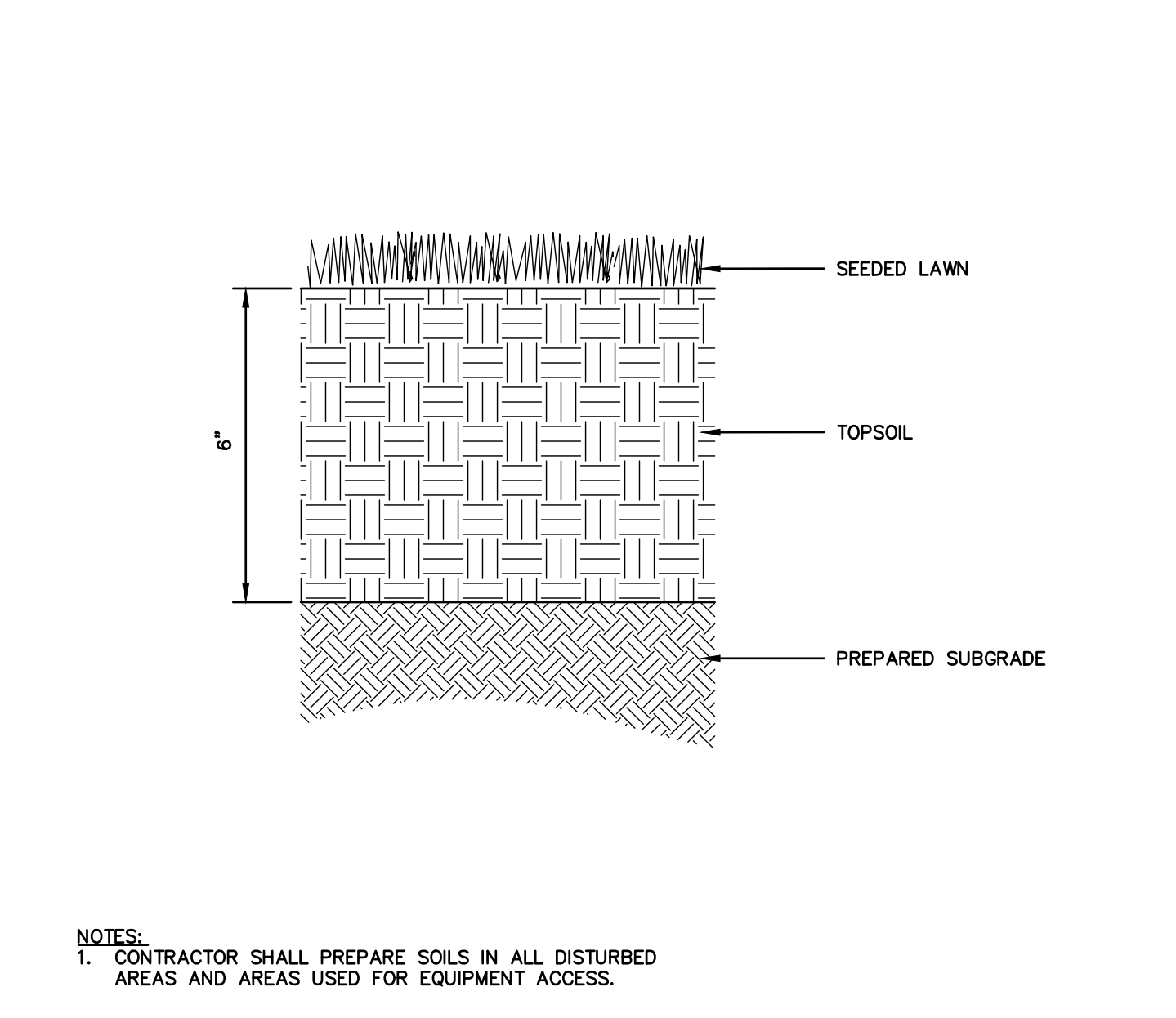
4 TYPICAL FENCE POST FOOTING
SCALE: NONE



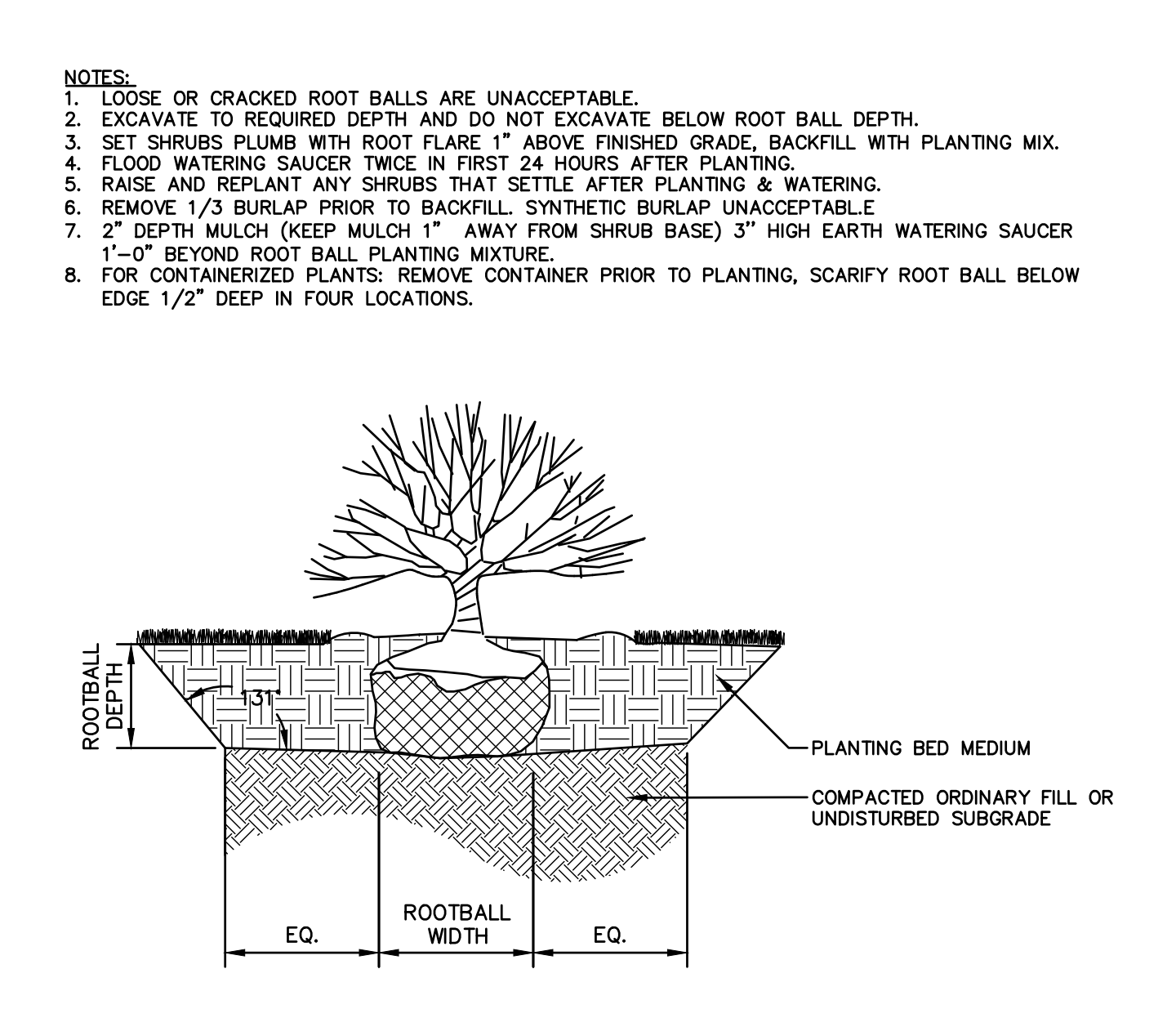
5 FOOTBALL GOAL POST
SCALE: NONE



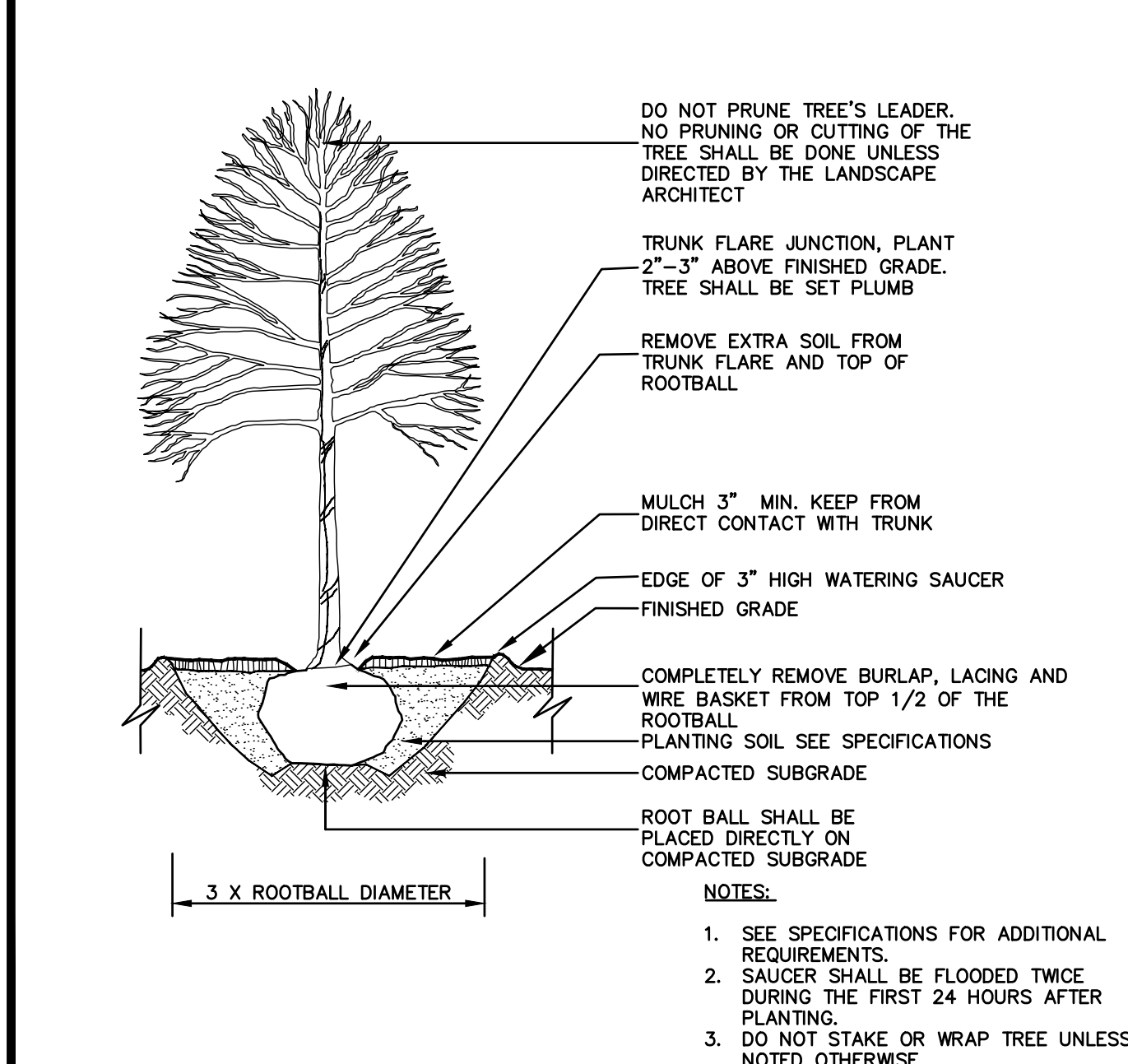
6 FOOTBALL GOAL POST IN SYNTHETIC TURF
SCALE: NONE



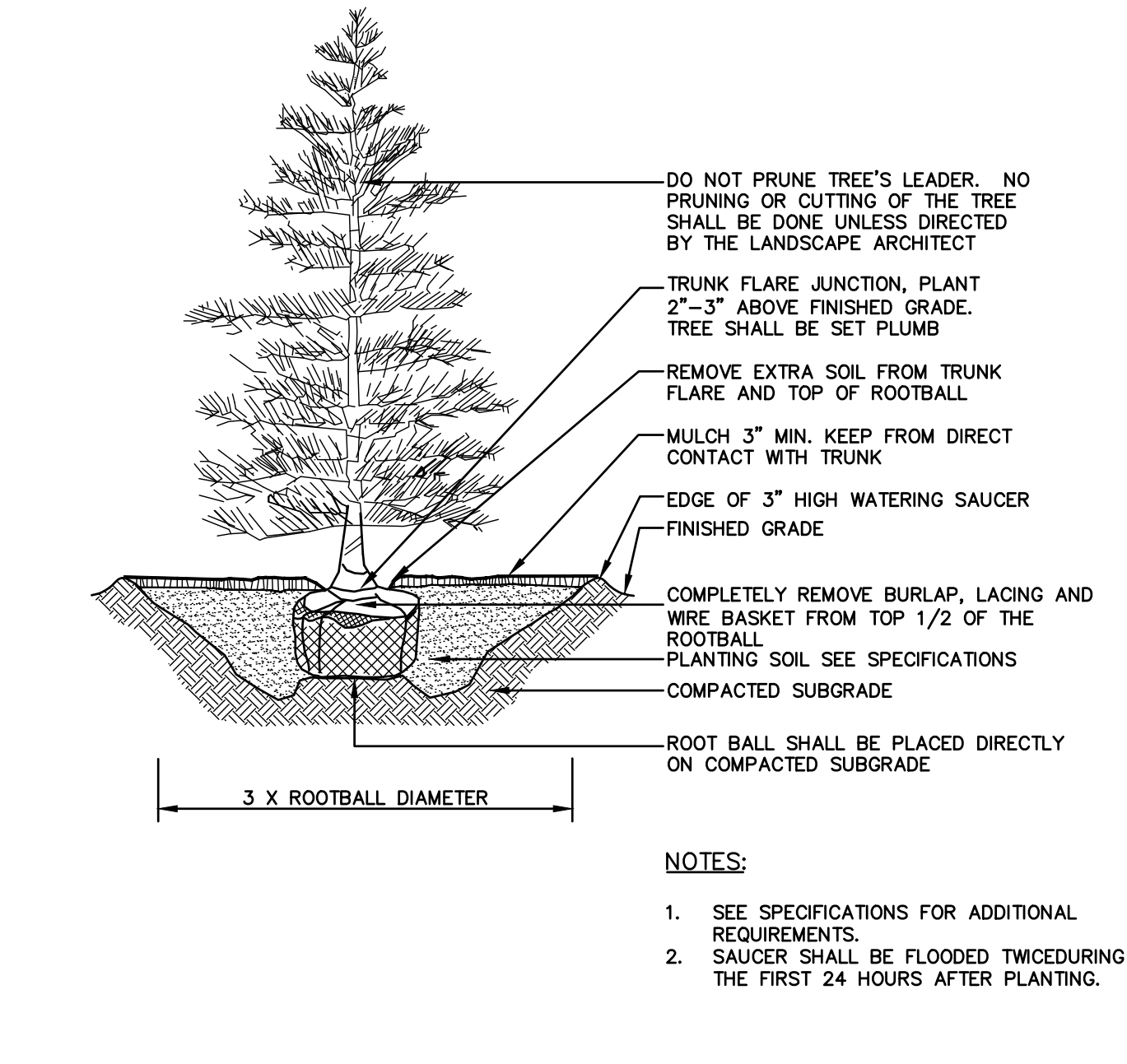
7 LAWN
SCALE: NONE



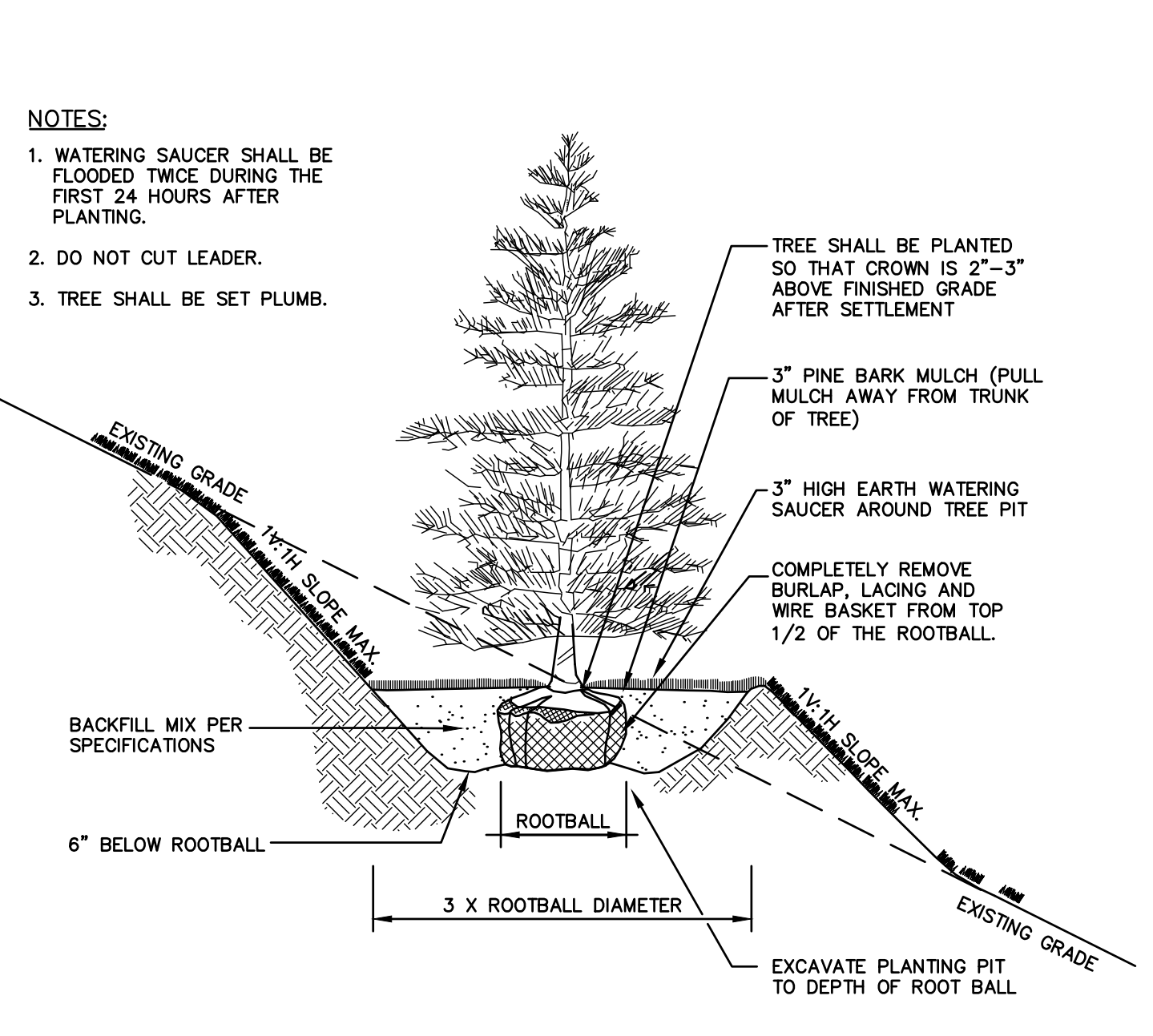
8 SHRUB PLANTING
SCALE: NONE



9 DECIDUOUS TREE PLANTING - ALTERNATE
SCALE: NONE



10 EVERGREEN TREE PLANTING - ALTERNATE
SCALE: NONE



11 TREE PLANTING ON SLOPE - ALTERNATE
SCALE: NONE

- ALTERNATES:**
- ALTERNATE 1 - SPORTS FIELD AND PEDESTRIAN LIGHTING.
 - ALTERNATE 2 - SPORTS FIELD AND PEDESTRIAN LIGHTING, EXTENDED CONSTRUCTION SCHEDULE.
 - ALTERNATE 3 - LANDSCAPE PLANT BUFFER, WEST AVON ROAD AND SUDBURY WAY.
 - ALTERNATE 4 - LANDSCAPE PLANT BUFFER, SOUTHEAST.
 - ALTERNATE 5 - LANDSCAPE PLANT BUFFER, NORTH FIELD.

ISSUED FOR BID



JESSE A. HARRIS, P.E. No. 1224

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD

IN AVON CONNECTICUT

DETAILS

FEBRUARY 11, 2019

REVISIONS:

NO.	DESCRIPTION

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

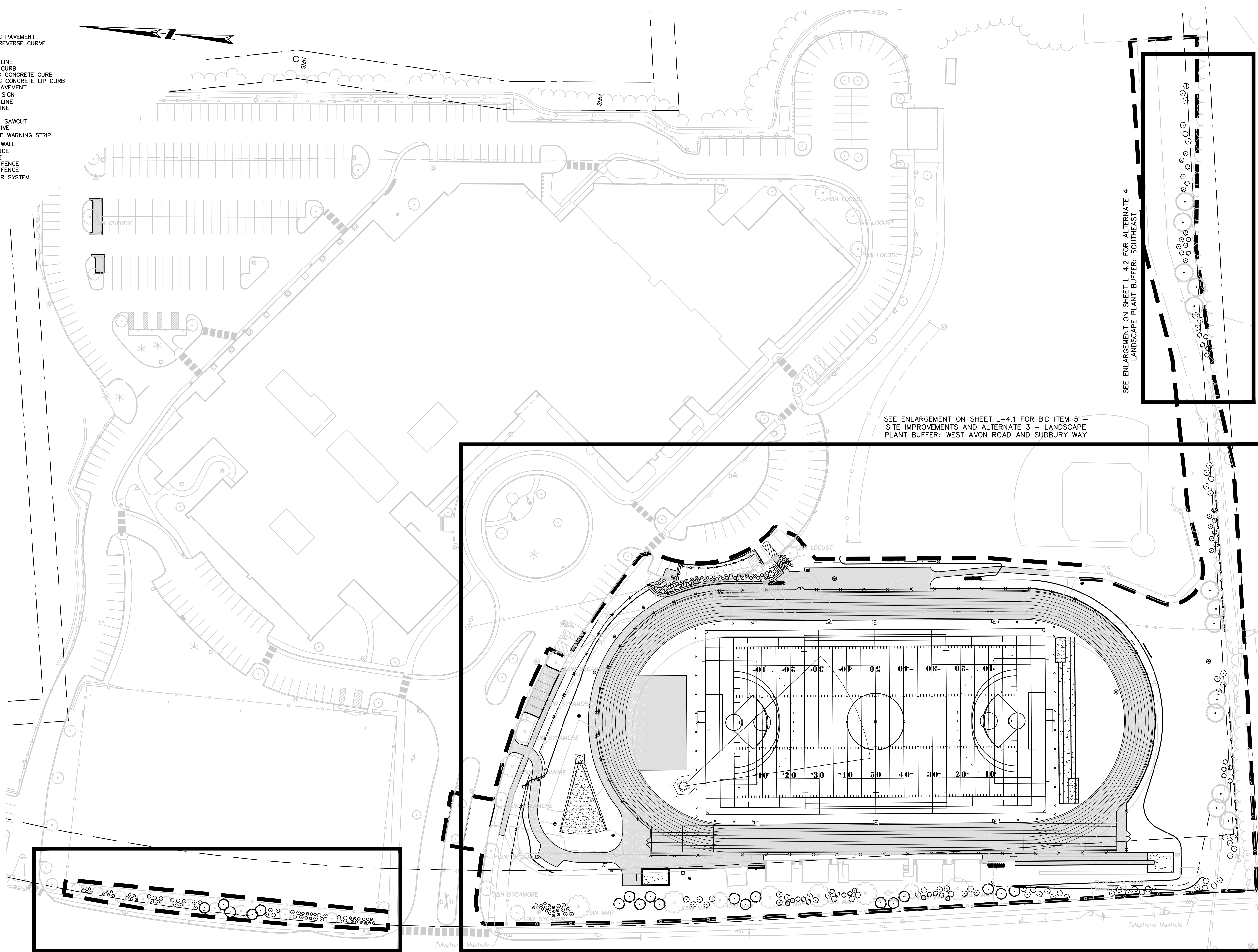
BSC GROUP
300 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

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SCALE: AS SHOWN

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

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, P.E. No. 1224

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD
IN
AVON
CONNECTICUT

OVERALL PLANTING PLAN

FEBRUARY 11, 2019

REVISIONS:

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60 WEST MAIN STREET
AVON, CT 06001

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

© 2019 BSC GROUP, INC.
SCALE: 1" = 50'
0 25 50 100 FEET

FILE: 83572.02 - PLANT.DWG
DWG. NO:
JOB. NO: 83572.02

- ALTERNATES:
1. ALTERNATE 1 - SPORTS FIELD AND PEDESTRIAN LIGHTING.
 2. ALTERNATE 2 - SPORTS FIELD AND PEDESTRIAN LIGHTING, EXTENDED CONSTRUCTION SCHEDULE
 3. ALTERNATE 3 - LANDSCAPE PLANT BUFFER, WEST AVON ROAD AND SUDBURY WAY
 4. ALTERNATE 4 - LANDSCAPE PLANT BUFFER, SOUTHEAST
 5. ALTERNATE 5 - LANDSCAPE PLANT BUFFER, NORTH FIELD

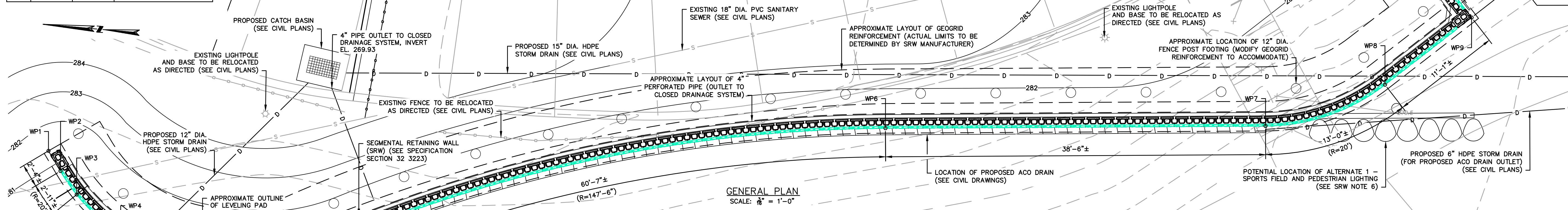
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L-4.0

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, GEGRID 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 DURING INSTALLATION OF ALTERNATE 1 - SPORTS FIELD AND PEDESTRIAN LIGHTING (AND ASSOCIATED PRECAST CONCRETE BASE), SHOULD THIS ALTERNATE BID ITEM BE INCORPORATED INTO THE CONTRACT. THE CONTRACTOR IS NOTIFIED THAT THE INSTALLATION OF TEMPORARY EXCAVATION SUPPORT/CASING MAY BE REQUIRED AT THIS LOCATION DURING CONSTRUCTION OF THE SRW IF THE CONTRACTOR ELECTS A SEQUENCE THAT INCLUDES EXCAVATION AND INSTALLATION OF THE PRECAST CONCRETE BASE AFTER THE SRW HAS BEEN CONSTRUCTED.



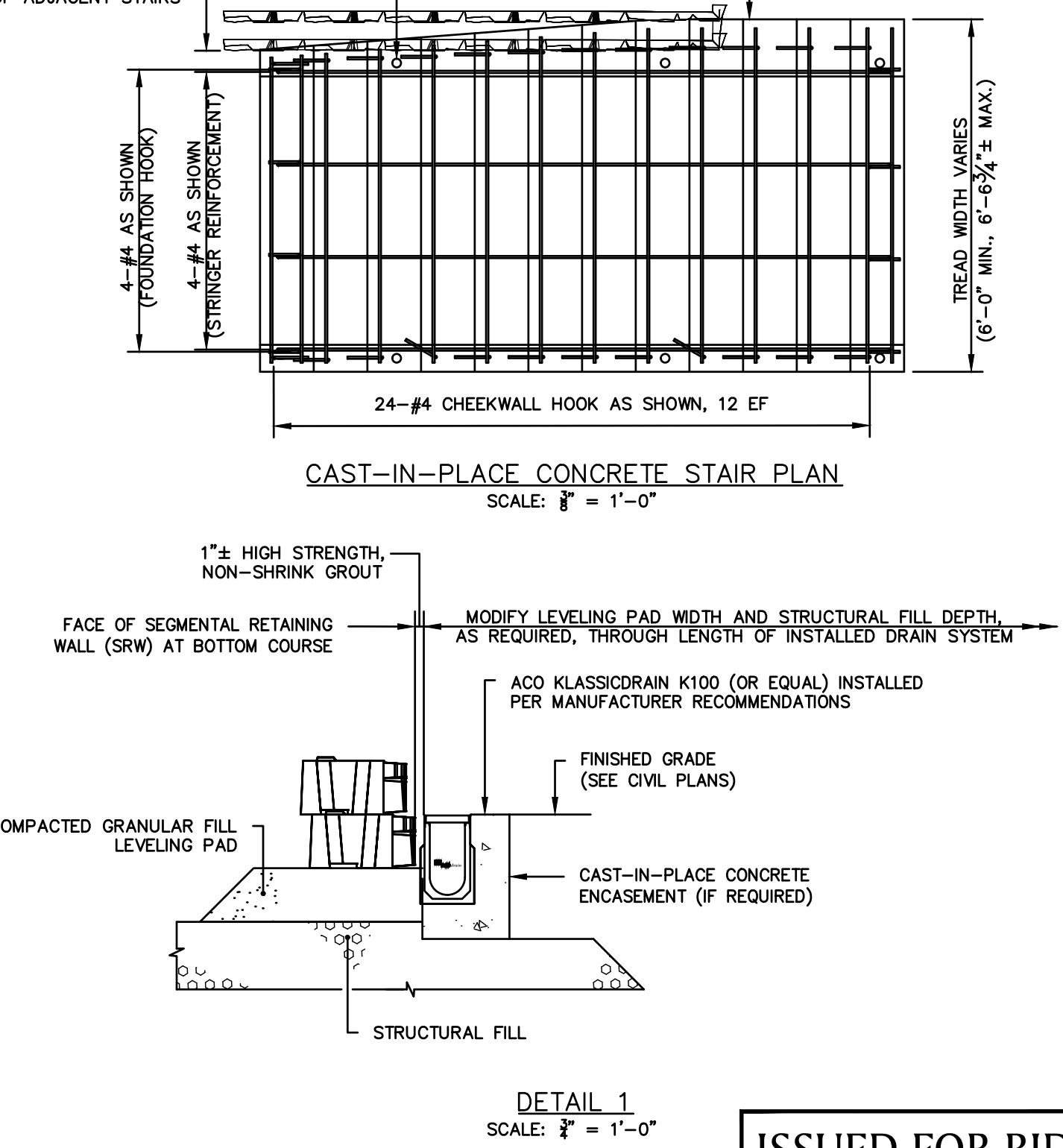
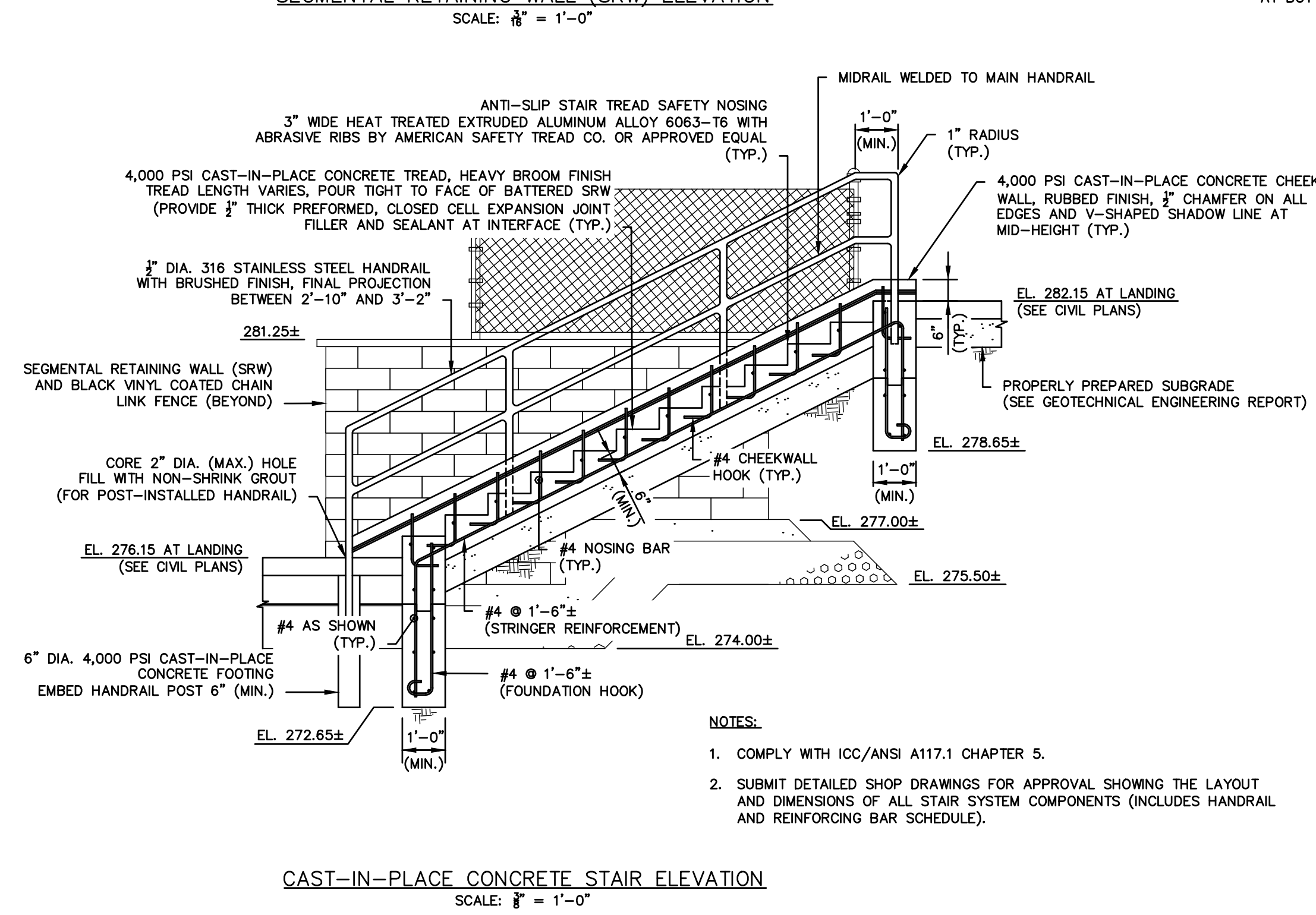
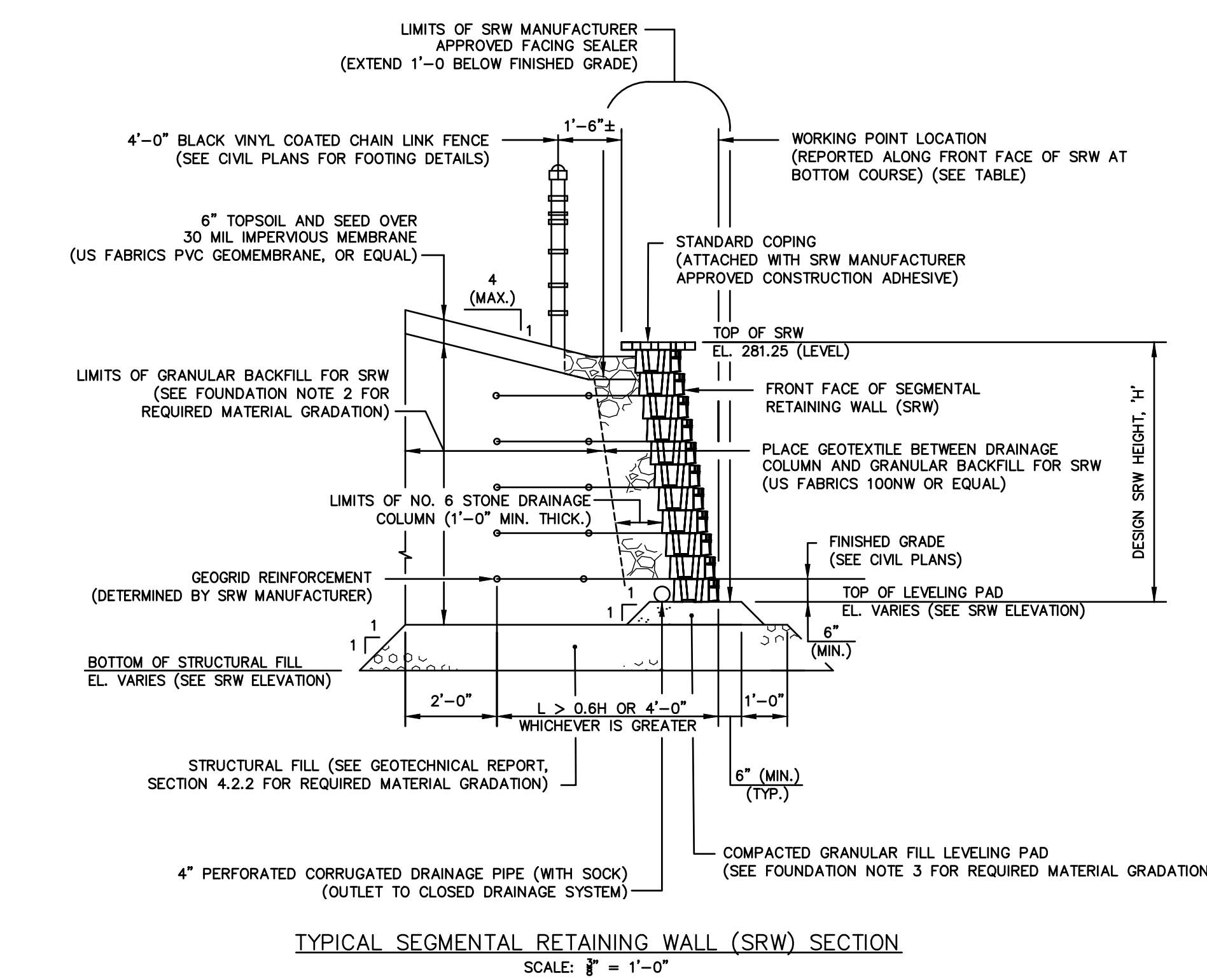
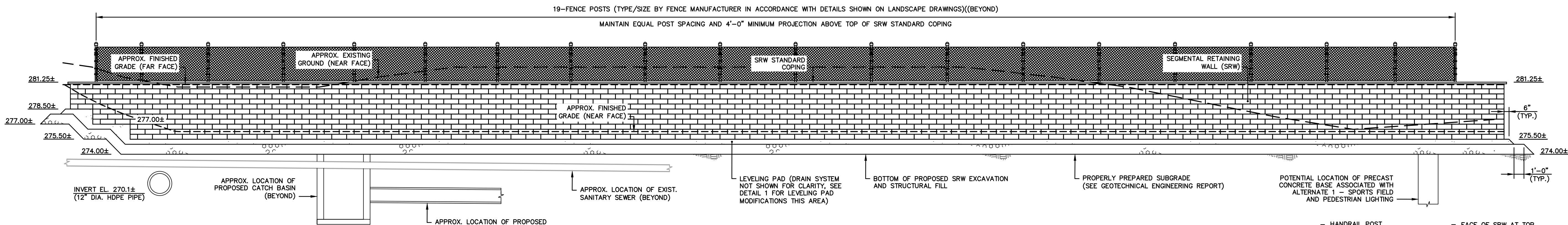
FOUNDATION NOTES:

- 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

SIEVE SIZE	PERCENT PASSING
5 INCH	100
3/4 INCH	90-100
1/2 INCH	55-95
3/8 INCH	25-60
NO. 10	15-45
NO. 40	5-25
NO. 100	0-10
NO. 200	0-5

- ALTERNATES:**
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- NOTES:**
- COMPLY WITH ICC/ANSI A117.1 CHAPTER 5.
 - SUBMIT DETAILED SHOP DRAWINGS FOR APPROVAL SHOWING THE LAYOUT AND DIMENSIONS OF ALL STAIR SYSTEM COMPONENTS (INCLUDES HANDRAIL AND REINFORCING BAR SCHEDULE).



DAVID D'AMATO, PE No. 24227

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL

510 WEST AVON ROAD
IN
AVON CONNECTICUT

SEGMENTAL RETAINING WALL PLAN, ELEVATION AND DETAILS

FEBRUARY 11, 2019

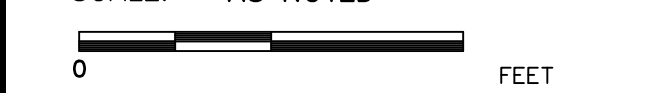
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SCALE: AS NOTED



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

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S-1.0

ATHLETIC FACILITY IMPROVEMENTS AT AVON HIGH SCHOOL - FEBRUARY 11, 2019