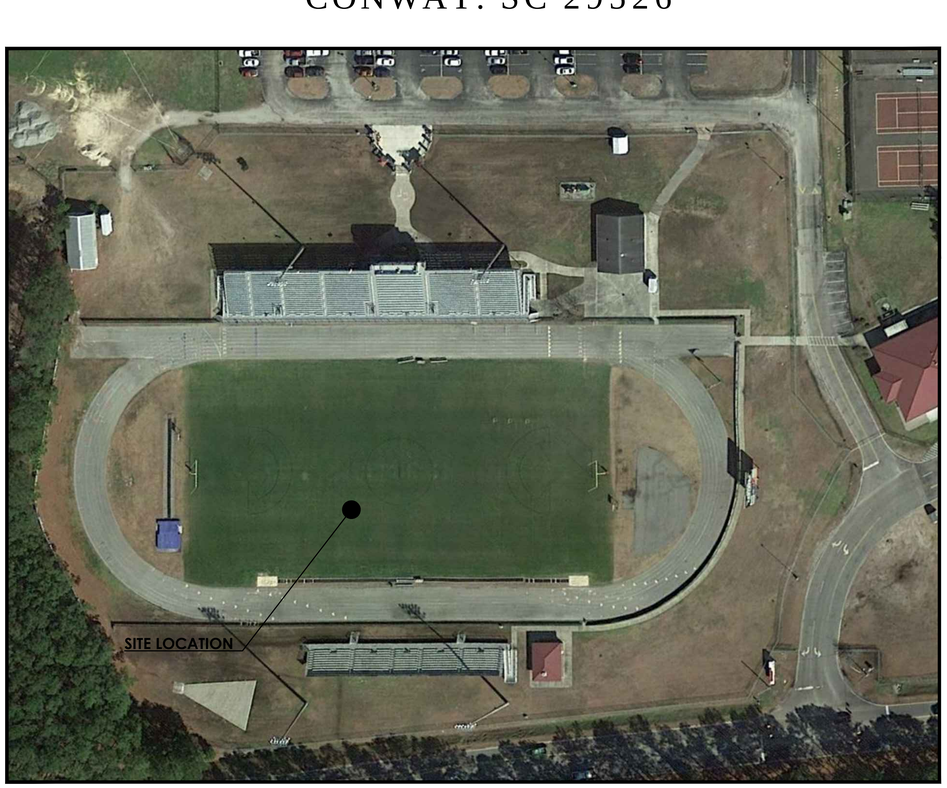
TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

CAROLINA FOREST HIGH SCHOOL

APRIL, 2020

HORRY COUNTY SCHOOLS
OFFICE OF FACILITIES
1160 E. HIGHWAY 501
CONWAY. SC 29526



SITE VICINITY MAP
SCALE: NOT TO SCALE

100% CONSTRUCTION DOCUMENTS

Sheet Index

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CAROLINA FOREST HIGH SCHOOL

TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

TITLE SHEET

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:

G-000

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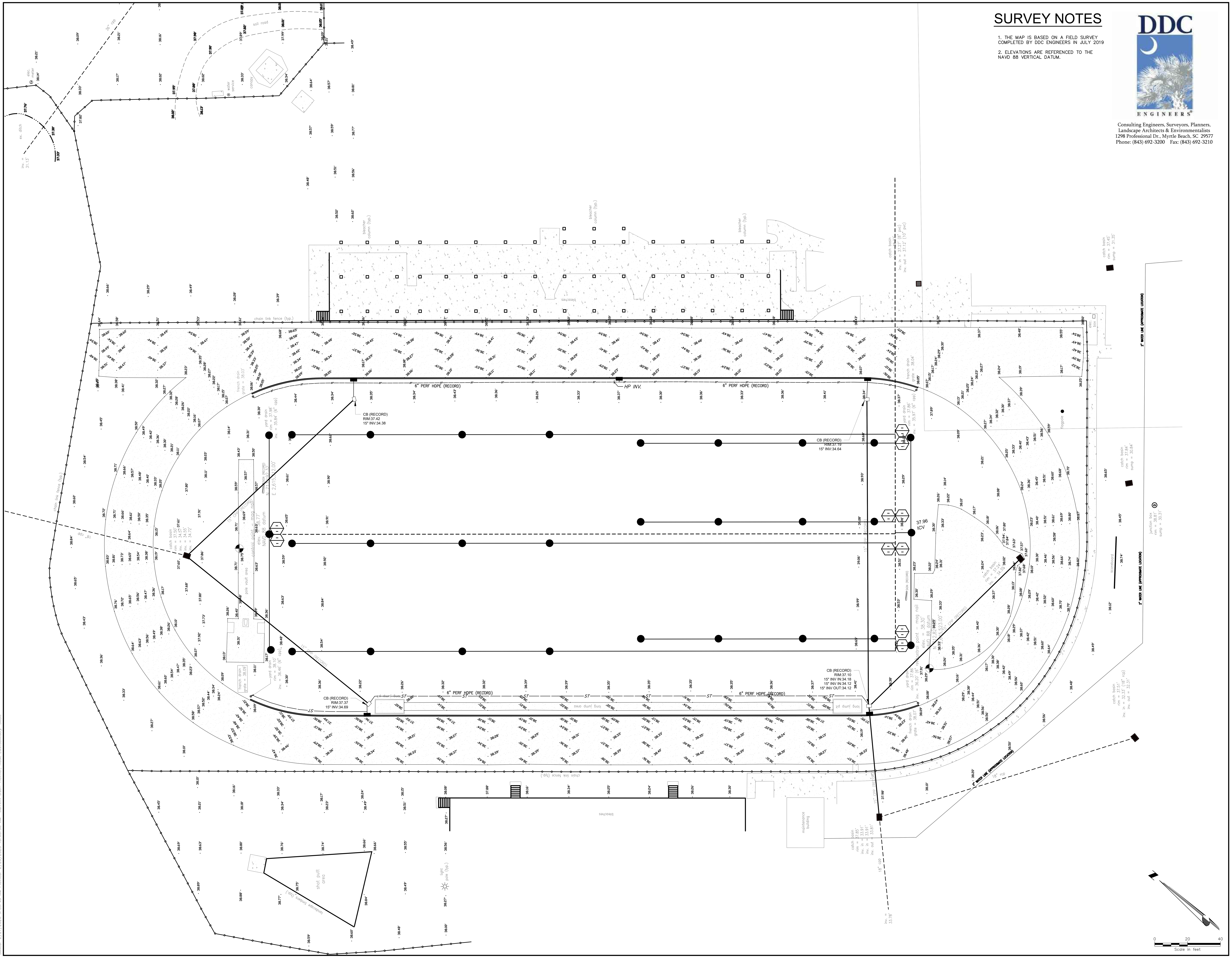

SURVEY NOTES

1. THE MAP IS BASED ON A FIELD SURVEY COMPLETED BY DDC ENGINEERS IN JULY 2019
2. ELEVATIONS ARE REFERENCED TO THE NAVD 88 VERTICAL DATUM.

DDC ENGINEERS
Consulting Engineers, Surveyors, Planners, Landscape Architects & Environmentalists
1298 Professional Dr., Myrtle Beach, SC 29577
Phone: (843) 692-3200 Fax: (843) 692-3210

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1298 Professional Drive
Myrtle Beach, SC 29577-5896
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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

EXISTING CONDITIONS PLAN

Designed By:	Drawn By:	Checked By:
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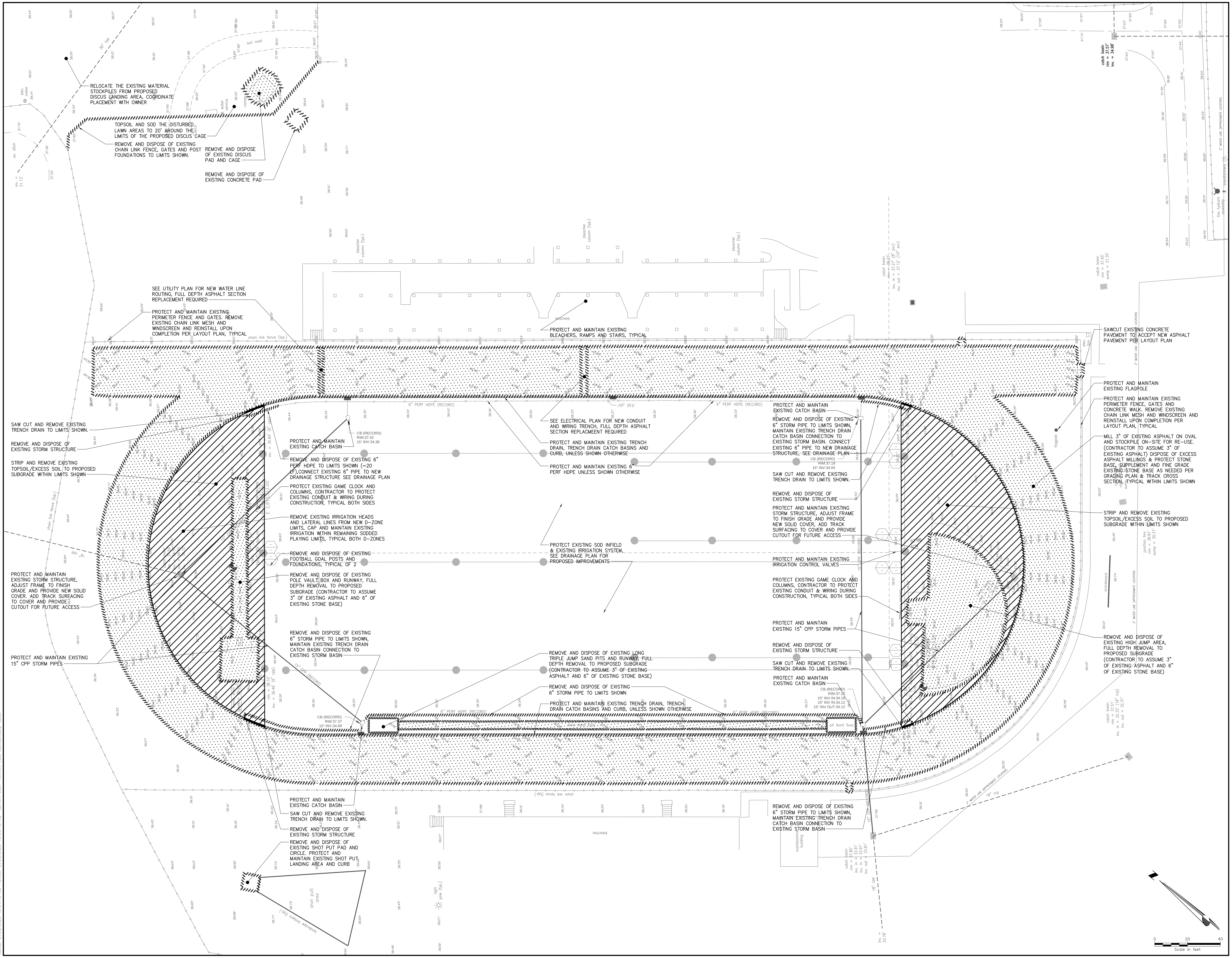
C-001


RELOCATE THE EXISTING MATERIAL STOCKPILES FROM PROPOSED DISCUS LANDING AREA, COORDINATE PLACEMENT WITH OWNER
TOPSOIL AND SOD THE DISTURBED LAWN AREAS TO 20' AROUND THE LIMITS OF THE PROPOSED DISCUS CAGE
REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, GATES AND POST FOUNDATIONS TO LIMITS SHOWN.
REMOVE AND DISPOSE OF EXISTING DISCUS PAD AND CAGE
REMOVE AND DISPOSE OF EXISTING CONCRETE PAD
SEE UTILITY PLAN FOR NEW WATER LINE ROUTING, FULL DEPTH ASPHALT SECTION REPLACEMENT REQUIRED
PROTECT AND MAINTAIN EXISTING PERIMETER FENCE AND GATES. REMOVE EXISTING CHAIN LINK MESH AND WINDSCREEN AND REINSTALL UPON COMPLETION PER LAYOUT PLAN, TYPICAL
PROTECT AND MAINTAIN EXISTING BLEACHERS, RAMPS AND STAIRS, TYPICAL
SAWCUT EXISTING CONCRETE PAVEMENT TO ACCEPT NEW ASPHALT PAVEMENT PER LAYOUT PLAN
PROTECT AND MAINTAIN EXISTING FLAGPOLE
PROTECT AND MAINTAIN EXISTING PERIMETER FENCE, GATES AND CONCRETE WALK. REMOVE EXISTING CHAIN LINK MESH AND WINDSCREEN AND REINSTALL UPON COMPLETION PER LAYOUT PLAN, TYPICAL
MILL 3" OF EXISTING ASPHALT ON OVAL AND STOCKPILE ON-SITE FOR RE-USE. (CONTRACTOR TO ASSUME 3" OF EXISTING ASPHALT) DISPOSE OF EXCESS ASPHALT MILLINGS & PROTECT STONE BASE, SUPPLEMENT AND FINE GRADE EXISTING STONE BASE AS NEEDED PER GRADING PLAN & TRACK CROSS SECTION, TYPICAL WITHIN LIMITS SHOWN
STRIP AND REMOVE EXISTING TOPSOIL/EXCESS SOIL TO PROPOSED SUBGRADE WITHIN LIMITS SHOWN
REMOVE AND DISPOSE OF EXISTING HIGH JUMP AREA, FULL DEPTH REMOVAL TO PROPOSED SUBGRADE (CONTRACTOR TO ASSUME 3" OF EXISTING ASPHALT AND 6" OF EXISTING STONE BASE)
SAW CUT AND REMOVE EXISTING TRENCH DRAIN TO LIMITS SHOWN.
REMOVE AND DISPOSE OF EXISTING STORM STRUCTURE
STRIP AND REMOVE EXISTING TOPSOIL/EXCESS SOIL TO PROPOSED SUBGRADE WITHIN LIMITS SHOWN
PROTECT AND MAINTAIN EXISTING STORM STRUCTURE, ADJUST FRAME TO FINISH GRADE AND PROVIDE NEW SOLID COVER. ADD TRACK SURFACING TO COVER AND PROVIDE CUTOUT FOR FUTURE ACCESS
PROTECT AND MAINTAIN EXISTING 15" CPP STORM PIPES
PROTECT AND MAINTAIN EXISTING CATCH BASIN
REMOVE AND DISPOSE OF EXISTING 6" PERF HDPE TO LIMITS SHOWN (~20 LF),CONNECT EXISTING 6" PIPE TO NEW DRAINAGE STRUCTURE SEE DRAINAGE PLAN
PROTECT EXISTING GAME CLOCK AND COLUMNS, CONTRACTOR TO PROTECT EXISTING CONDUIT & WIRING DURING CONSTRUCTION, TYPICAL BOTH SIDES
REMOVE EXISTING IRRIGATION HEADS AND LATERAL LINES FROM NEW D-ZONE LIMITS, CAP AND MAINTAIN EXISTING IRRIGATION WITHIN REMAINING SODDED PLAYING LIMITS, TYPICAL BOTH D-ZONES
REMOVE AND DISPOSE OF EXISTING FOOTBALL GOAL POSTS AND FOUNDATIONS, TYPICAL OF 2
REMOVE AND DISPOSE OF EXISTING POLE VAULT BOX AND RUNWAY, FULL DEPTH REMOVAL TO PROPOSED SUBGRADE (CONTRACTOR TO ASSUME 3" OF EXISTING ASPHALT AND 6" OF EXISTING STONE BASE)
REMOVE AND DISPOSE OF EXISTING 6" STORM PIPE TO LIMITS SHOWN, MAINTAIN EXISTING TRENCH DRAIN CATCH BASIN CONNECTION TO EXISTING STORM BASIN
SEE ELECTRICAL PLAN FOR NEW CONDUIT AND WIRING TRENCH, FULL DEPTH ASPHALT SECTION REPLACMENT REQUIRED
PROTECT AND MAINTAIN EXISTING TRENCH DRAIN, TRENCH DRAIN CATCH BASINS AND CURB, UNLESS SHOWN OTHERWISE
PROTECT AND MAINTAIN EXISTING 6" PERF HDPE UNLESS SHOWN OTHERWISE
PROTECT EXISTING SOD INFIELD & EXISTING IRRIGATION SYSTEM, SEE DRAINAGE PLAN FOR PROPOSED IMPROVEMENTS
REMOVE AND DISPOSE OF EXISTING LONG TRIPLE JUMP SAND PITS AND RUNWAY, FULL DEPTH REMOVAL TO PROPOSED SUBGRADE (CONTRACTOR TO ASSUME 3" OF EXISTING ASPHALT AND 6" OF EXISTING STONE BASE)
REMOVE AND DISPOSE OF EXISTING 6" STORM PIPE TO LIMITS SHOWN
PROTECT AND MAINTAIN EXISTING TRENCH DRAIN, TRENCH DRAIN CATCH BASINS AND CURB, UNLESS SHOWN OTHERWISE
PROTECT AND MAINTAIN EXISTING CATCH BASIN
REMOVE AND DISPOSE OF EXISTING 6" STORM PIPE TO LIMITS SHOWN, MAINTAIN EXISTING TRENCH DRAIN CATCH BASIN CONNECTION TO EXISTING STORM BASIN. CONNECT EXISTING 6" PIPE TO NEW DRAINAGE STRUCTURE, SEE DRAINAGE PLAN
SAW CUT AND REMOVE EXISTING TRENCH DRAIN TO LIMITS SHOWN.
REMOVE AND DISPOSE OF EXISTING STORM STRUCTURE
PROTECT AND MAINTAIN EXISTING STORM STRUCTURE, ADJUST FRAME TO FINISH GRADE AND PROVIDE NEW SOLID COVER, ADD TRACK SURFACING TO COVER AND PROVIDE CUTOUT FOR FUTURE ACCESS
PROTECT AND MAINTAIN EXISTING IRRIGATION CONTROL VALVES
PROTECT EXISTING GAME CLOCK AND COLUMNS, CONTRACTOR TO PROTECT EXISTING CONDUIT & WIRING DURING CONSTRUCTION, TYPICAL BOTH SIDES
PROTECT AND MAINTAIN EXISTING 15" CPP STORM PIPES
REMOVE AND DISPOSE OF EXISTING STORM STRUCTURE
SAW CUT AND REMOVE EXISTING TRENCH DRAIN TO LIMITS SHOWN.
PROTECT AND MAINTAIN EXISTING CATCH BASIN
PROTECT AND MAINTAIN EXISTING CATCH BASIN
SAW CUT AND REMOVE EXISTING TRENCH DRAIN TO LIMITS SHOWN.
REMOVE AND DISPOSE OF EXISTING STORM STRUCTURE
REMOVE AND DISPOSE OF EXISTING SHOT PUT PAD AND CIRCLE. PROTECT AND MAINTAIN EXISTING SHOT PUT LANDING AREA AND CURB
REMOVE AND DISPOSE OF EXISTING 6" STORM PIPE TO LIMITS SHOWN, MAINTAIN EXISTING TRENCH DRAIN CATCH BASIN CONNECTION TO EXISTING STORM BASIN
CB (RECORD) RIM:37.42 15" INV:34.38
CB (RECORD) RIM:37.19 15" INV:34.64
CB (RECORD) RIM:37.37 15" INV:34.85
chain link fence (typ.)
6" PERF HDPE (RECORD)
bleachers
flagpole
scoreboard
shot put area
Scale in feet
0 20 40

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CAROLINA FOREST HIGH SCHOOL

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

DEMOLITION PLAN

Designed By:	Drawn By:	Checked By:
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Issue Date:	Project No:	Scale:
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Drawing No.:

C-002

SEE ENLARGED DISCUS AREA LAYOUT FOR CONTINUATION

1 C-600 ASPHALT PAVEMENT, EXTEND TO EXISTING DOUBLE GATE

R=20.0'

1 C-602 OUTER CONCRETE PERIMETER CURB, TYPICAL

1–2 C-603 LONG/TRIPLE JUMP SAND PIT, TYPICAL OF 2

1 C-603 LONG/TRIPLE JUMP TAKE-OFF BOARDS (PAINTED), TYPICAL BOTH RUNWAYS

HIGH JUMP AREA

3 C-600 NEW FOOTBALL GOAL POSTS, TYPICAL OF 2

1 C-602 ENDLINE CONCRETE CURB, TYPICAL

TOPSOIL AND SEED ALL DISTURBED LAWN AREAS OUTSIDE TRACK LIMITS, TYPICAL UNLESS NOTED OTHERWISE

NEW 6' HIGH CHAIN LINK FENCE (~171LF), TIE INTO EXISTING 42" HIGH FENCE 2 C-600

REMOVE CHAIN LINK MESH & WINDSCREEN, EXTEND ASPHALT TO 6" BEYOND (OUTSIDE TRACK FACILITY) FENCE LINE OR TO CONCRETE PAVEMENT, TYPICAL WITHIN LIMITS SHOWN 1 C-602

ASPHALT PAVEMENT, EXTEND TO EXISTING CONCRETE PAVEMENT 1 C-600

ASPHALT PAVEMENT, TYPICAL 1 C-600

POLE VAULT BOX, TYPICAL OF 2 3 C-603

OUTER CONCRETE PERIMETER CURB, TYPICAL 1 C-602

400M, (8) 42" WIDE LANE RUNNING TRACK

ENDLINE CONCRETE CURB, TYPICAL 1 C-602

REMOVE CHAIN LINK MESH & WINDSCREEN, EXTEND ASPHALT TO 6" BEYOND (OUTSIDE TRACK FACILITY) FENCE LINE OR TO CONCRETE PAVEMENT, TYPICAL WITHIN LIMITS SHOWN 1 C-602

NEW SHOT PUT PAD AND CIRCLE, ALIGN NEW CONCRETE PAD AND CIRCLE WITH EXISTING LANDING AREA 4–5 C-603

DISCUS LANDING AREA

TOPSOIL AND SEED ALL DISTURBED LAWN AREAS OUTSIDE TRACK LIMITS, TYPICAL UNLESS NOTED OTHERWISE

DISCUS CIRCLE 7–8 C-603

DISCUS PAD 6–9 C-603

DISCUS CAGE 6,9 C-603

NEW 6' HIGH CHAIN LINK FENCE (~171LF), TIE INTO EXISTING 6' HIGH FENCE 2 C-600

ENLARGED DISCUS AREA LAYOUT
SCALE: 1"=20'

0 20 40
Scale in feet

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LAYOUT PLAN

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C-100

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SEE ENLARGED DISCUS AREA LAYOUT FOR CONTINUATION

54.80'

66.16'

105.50' RADIUS POINT TO MEASURE LINE

RADIUS POINT
N: 713152.7182
E: 2615345.7687
8 C-601

324.732' BETWEEN RADIUS POINTS

RADIUS POINT
8 C-601
N: 712902.4160
E: 2615552.6497

51.14'

54.71'

57.78'

46.97'

71.16'

44.13'

RADIUS POINT
N: 713063.9716
E: 2615169.4946

RADIUS POINT
N: 713387.3539
E: 2615535.0678

ENLARGED DISCUS AREA LAYOUT
SCALE: 1"=20'

LEGEND

- SYNTHETIC SURFACING
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- SAND
- STONE DUST

0 20 40
Scale in feet

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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

TRACK SURFACING AND DIMENSION PLAN

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C-101

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SEE ENLARGED DISCUS AREA LAYOUT FOR CONTINUATION

54.80'

105.50' RADIUS POINT TO MEASURE LINE

66.16'

71.16'

44.13'

RADIUS POINT
N: 713152.7182
E: 2615345.7687

B
C-601

324.732' BETWEEN RADIUS POINTS

B
C-601

RADIUS POINT
N: 712902.4160
E: 2615552.6497

51.14'

54.71'

57.78'

46.97'

ALTERNATE NO. 2:
OMIT ASPHALT PAVING (~2,325SF) IN THESE AREAS, AREAS TO BE SODDED

8.0'

5'

ALTERNATE NO. 2:
NEW ASPHALT TO TIE INTO AND MATCH EXISTING GRADES AT EXISTING WALKWAYS

ALTERNATE NO. 2:
NEW ASPHALT TO EXTEND 5' BEYOND LANE 8 ALONG LIMITS SHOWN

ALTERNATE NO. 1:
OMIT ASPHALT PAVING AND SYNTHETIC SURFACING IN THIS AREA, AREA TO BE SODDED (~3,680SF)

ALTERNATE NO. 1:
NEW 8"X12" CONCRETE CURB WHERE D-ZONE SURFACING TRANSITIONS TO LAWN

ALTERNATE NO. 1:
PROPOSED SLOT DRAIN TO BECOME TRENCH DRAIN AT TRACK TO LAWN INTERFACE IN THIS AREA, TYPICAL

RADIUS POINT
N: 713063.9716
E: 2615169.4946

RADIUS POINT
N: 713387.3539
E: 2615535.0678

ENLARGED DISCUS AREA LAYOUT
SCALE: 1"=20'

LEGEND

- SYNTHETIC SURFACING
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- SAND
- STONE DUST

0 20 40
Scale in feet

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TRACK SURFACING AND DIMENSION PLAN ALTERNATE

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C-101A

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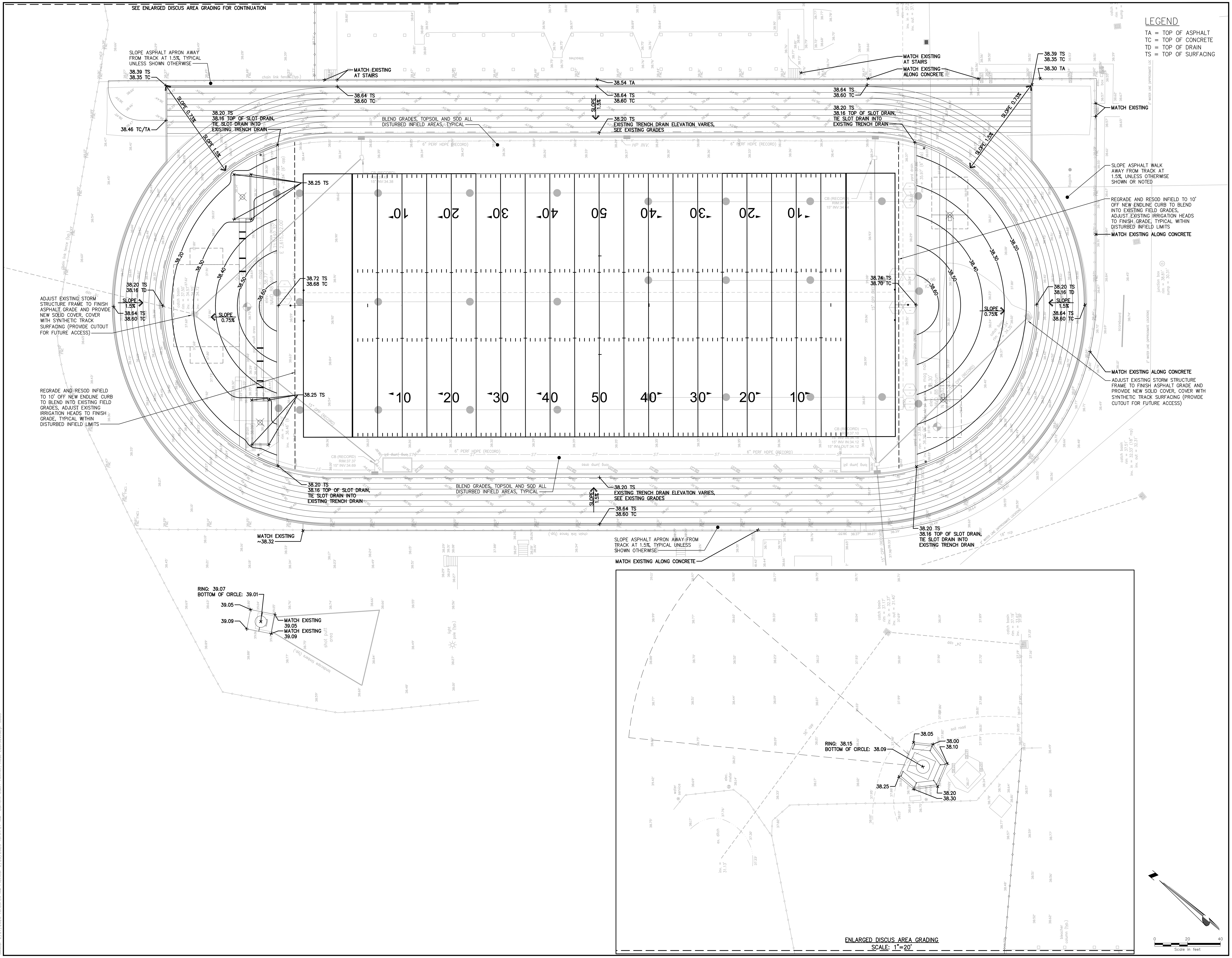

SEE ENLARGED DISCUS AREA GRADING FOR CONTINUATION
LEGEND
TA = TOP OF ASPHALT
TC = TOP OF CONCRETE
TD = TOP OF DRAIN
TS = TOP OF SURFACING
SLOPE ASPHALT APRON AWAY FROM TRACK AT 1.5%, TYPICAL UNLESS SHOWN OTHERWISE
38.39 TS
38.35 TC
MATCH EXISTING AT STAIRS
38.54 TA
38.64 TS
38.60 TC
MATCH EXISTING ALONG CONCRETE
38.30 TA
38.20 TS
38.16 TOP OF SLOT DRAIN, TIE SLOT DRAIN INTO EXISTING TRENCH DRAIN
38.46 TC/TA
BLEND GRADES, TOPSOIL AND SOD ALL DISTURBED INFIELD AREAS, TYPICAL
EXISTING TRENCH DRAIN ELEVATION VARIES, SEE EXISTING GRADES
SLOPE 0.75%
SLOPE 1.5%
MATCH EXISTING
SLOPE ASPHALT WALK AWAY FROM TRACK AT 1.5%, UNLESS OTHERWISE SHOWN OR NOTED
REGRADE AND RESOD INFIELD TO 10' OFF NEW ENDLINE CURB TO BLEND INTO EXISTING FIELD GRADES, ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE, TYPICAL WITHIN DISTURBED INFIELD LIMITS
38.25 TS
38.72 TS
38.68 TC
38.74 TS
38.70 TC
38.20 TS
38.16 TD
ADJUST EXISTING STORM STRUCTURE FRAME TO FINISH ASPHALT GRADE AND PROVIDE NEW SOLID COVER, COVER WITH SYNTHETIC TRACK SURFACING (PROVIDE CUTOUT FOR FUTURE ACCESS)
38.20
38.30
38.40
38.50
38.60
10 20 30 40 50 40 30 20 10
MATCH EXISTING ~38.32
SLOPE ASPHALT APRON AWAY FROM TRACK AT 1.5%, TYPICAL UNLESS SHOWN OTHERWISE
MATCH EXISTING ALONG CONCRETE
RING: 39.07
BOTTOM OF CIRCLE: 39.01
39.05
39.09
MATCH EXISTING 39.05
MATCH EXISTING 39.09
RING: 38.15
BOTTOM OF CIRCLE: 38.09
38.05
38.00
38.10
38.25
38.20
38.30
ENLARGED DISCUS AREA GRADING
SCALE: 1"=20'
0 20 40
Scale in feet

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CAROLINA FOREST HIGH SCHOOL

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

GRADING PLAN

Designed By:	Drawn By:	Checked By:
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C-200

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SEE ENLARGED DISCUS AREA VIEWPORT FOR CONTINUATION

2 C-601 POWER/DATA BOXES IN ASPHALT

SEE ELECTRICAL FOR CONDUIT AND WIRING, CONTRACTOR TO PROVIDE FULL DEPTH TRACK PAVEMENT SECTION IN TRENCH

1 C-601 POWER/DATA BOXES IN LAWN

SLOPE ASPHALT APRON AWAY FROM TRACK AT 1.5%, TYPICAL UNLESS SHOWN OTHERWISE

4" PVC, EMPTY CONDUIT, STUB UP JUST BELOW FINISH GRADE IN LAWN FOR FUTURE IRRIGATION SERVICE

3 C-601 18" DIA. AREA DRAIN
TF: 38.10
INV. IN (SW): 36.09
INV. OUT (SE): MATCH EXISTING 6" PERF HDPE

4" PERF HDPE FROM SAND PITS, TIE INTO NEW 18" AREA DRAIN

50MM PERF HDPE UNDERDRAIN SET @ 12" BELOW GRADE, TIE INTO PROPOSED AREA DRAIN AT 18" BELOW GRADE

50MM PERF HDPE UNDERDRAIN @ 15' O.C, TIE INTO NEW 6" PERF HDPE, TYPICAL WHERE SHOWN

6" PERF HDPE, SLOPE AT 1.0%

1 C-602 SLOT DRAIN CATCH BASIN, TIE 6" HDPE INTO EXISTING STORM BASIN @ INV. 36.00

ADJUST EXISTING STORM STRUCTURE FRAME TO FINISH ASPHALT GRADE AND PROVIDE NEW SOLID COVER, COVER WITH SYNTHETIC TRACK SURFACING (PROVIDE CUTOUT FOR FUTURE ACCESS)

6" PERF HDPE, SLOPE AT 1.0%

REGRADE AND RESOD INFIELD TO 10' OFF NEW ENDLINE CURB TO BLEND INTO EXISTING FIELD GRADES, ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE, TYPICAL WITHIN DISTURBED INFIELD LIMITS

50MM PERF HDPE UNDERDRAIN SET @ 12" BELOW GRADE, TIE INTO PROPOSED AREA DRAIN AT 18" BELOW GRADE

4" HDPE FROM SAND PITS, TIE INTO 18" AREA DRAIN

3 C-601 18" DIA. AREA DRAIN
TF: 38.10
INV. IN (NE): 36.09
IN. OUT (SE): 35.19

MATCH EXISTING AT STAIRS

50MM PERF HDPE UNDERDRAIN @ 38.64 TS 15' O.C. TIE INTO EXISTING 6" PERF 38.60 TC HDPE, TYPICAL WHERE SHOWN

9 C-601 1½" QUICK COUPLER

1 C-601 POWER BOX IN LAWN, SEE ELECTRICAL PLANS FOR CONDUIT AND WIRE ROUTING

38.46 TC/TA

38.20 TS
38.16 TOP OF SLOT DRAIN, TIE SLOT DRAIN INTO EXISTING TRENCH DRAIN

BLEND GRADES, TOPSOIL AND SOD ALL DISTURBED INFIELD AREAS, TYPICAL

EXISTING 6" PERF HDPE

38.25 TS

38.72 TS
38.68 TC

INV. 37.00
INV. 37.00

38.25 TS

38.20 TS
38.16 TOP OF SLOT DRAIN, TIE SLOT DRAIN INTO EXISTING TRENCH DRAIN

BLEND GRADES, TOPSOIL AND SOD ALL DISTURBED INFIELD AREAS, TYPICAL

50MM PERF HDPE UNDERDRAIN @ 15' O.C, TIE INTO NEW 6" PERF HDPE, TYPICAL WHERE SHOWN

MATCH EXISTING ~38.32

6" PERF HDPE STORM HEADER PIPE, SLOPE AT 1.0% TYPICAL, TIE INTO EXISTING CATCH BASIN AT INV. 34.87

CONTRACTOR TO ADD IRRIGATION ALONG THE ENTIRE LENGTH OF THE INSIDE OF THE TRACK TO COVER 30' MIN. OFF TRACK TRENCH DRAIN, PROVIDE (2) SEPARATE ZONES INCLUDING VALVES, LATERALS, HEADS, ETC. CONNECT TO EXISTING IRRIGATION SYSTEM, TYPICAL BOTH SIDES OF TRACK (ASSUME APPROXIMATELY 25,000 SF OF COVERAGE TOTAL)

CONNECT 2" PVC PIPE FROM SHOTPUT CIRCLE TO 3'X3'X3' GRAVEL SUMP 10 C-601

RING: 39.07
BOTTOM OF CIRCLE: 39.01

39.05

39.09

MATCH EXISTING 39.05

MATCH EXISTING 39.09

EXISTING TRENCH DRAIN, TRENCH DRAIN CATCH BASINS AND CONNECTIONS TO EXISTING 6" PERF HDPE TO REMAIN.

2" PVC WATER LINE, CONNECT TO EXISTING IRRIGATION MAIN LINE, COORDINATE TIE IN WITH OWNER

38.64 TA

38.64 TS
38.60 TC

38.20 TS
38.16 TOP OF SLOT DRAIN, TIE SLOT DRAIN INTO EXISTING TRENCH DRAIN

EXISTING TRENCH DRAIN ELEVATION VARIES, SEE EXISTING GRADES

6" PERF HDPE HP, INV. 36.25

38.20 TS
EXISTING TRENCH DRAIN ELEVATION VARIES, SEE EXISTING GRADES

38.64 TS
38.60 TC

SLOPE ASPHALT APRON AWAY FROM TRACK AT 1.5%, TYPICAL UNLESS SHOWN OTHERWISE

MATCH EXISTING ALONG CONCRETE

6" PERF HDPE STORM HEADER PIPE, SLOPE AT 1.0% TYPICAL

TIE NEW 6" PERF HDPE HEADER PIPE INTO EXISTING CATCH BASIN AT INV. 34.61

CONNECT ¾" PEX WATER LINE TO EXISTING 2" POTABLE WATER LINE WITH TEE AND VALVE, CONFIRM LOCATION OF EXISTING WATER LINE WITH OWNER

POTABLE YARD HYDRANT, COORDINATE FINAL LOCATION WITH OWNER 5 C-601

¾" PEX WATER LINE

38.39 TS
38.35 TC

38.30 TA

MATCH EXISTING AT STAIRS

MATCH EXISTING ALONG CONCRETE

38.64 TS
38.60 TC

38.20 TS
38.16 TOP OF SLOT DRAIN, TIE SLOT DRAIN INTO EXISTING TRENCH DRAIN

MATCH EXISTING 50MM PERF HDPE UNDERDRAIN @ 12" BELOW GRADE, TIE INTO EXISTING DRAIN BASIN AT 18" BELOW GRADE

1 ½" ELECTRIC VALVE WITH NEW VALVE BOX (LOCATION PER OWNER), CONNECT TO EXISTING IRRIGATION MAINLINE, MAKE ALL NECESSARY WIRING CONNECTIONS BACK TO EXISTING CONTROLLER 11 C-601

SLOPE ASPHALT WALK AWAY FROM TRACK AT 1.5% UNLESS OTHERWISE SHOWN OR NOTED

REGRADE AND RESOD INFIELD TO 10' OFF NEW ENDLINE CURB TO BLEND INTO EXISTING FIELD GRADES, ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE, TYPICAL WITHIN DISTURBED INFIELD LIMITS

MATCH EXISTING ALONG CONCRETE

EXISTING ELECTRIC VALVES, TYPICAL

50MM PERF HDPE UNDERDRAIN @ 15' O.C. TYPICAL. CONTRACTOR TO COORDINATE BOTTOM OF UNDERDRAIN TRENCH WITH EXISTING 15" CPP STORM PIPE. 4 C-601

38.74 TS
38.70 TC

38.20 TS
38.16 TD

38.64 TS
38.60 TC

SLOT DRAIN CATCH BASIN, TIE 6" HDPE INTO EXISTING STORM BASIN @ INV. 36.00 1 C-602

MATCH EXISTING ALONG CONCRETE

ADJUST EXISTING STORM STRUCTURE FRAME TO FINISH ASPHALT GRADE AND PROVIDE NEW SOLID COVER, COVER WITH SYNTHETIC TRACK SURFACING (PROVIDE CUTOUT FOR FUTURE ACCESS)

PROTECT EXISTING IRRIGATION AT INFIELD, REPLACE IN KIND IF DISTURBED

1 ½" ELECTRIC VALVE WITH NEW VALVE BOX (LOCATION PER OWNER), CONNECT TO EXISTING IRRIGATION MAINLINE, MAKE ALL NECESSARY WIRING CONNECTIONS BACK TO EXISTING CONTROLLER 11 C-601

50MM PERF HDPE UNDERDRAIN @ 12" BELOW GRADE, TIE INTO EXISTING DRAIN BASIN AT 18" BELOW GRADE

38.20 TS
38.16 TOP OF SLOT DRAIN, TIE SLOT DRAIN INTO EXISTING TRENCH DRAIN

4" HDPE STORM PIPE FROM DISCUS PAD, TIE INTO EXISTING STORM STRUCTURE AT INV. 35.00

RING: 38.15
BOTTOM OF CIRCLE: 38.09

38.05

38.00

38.10

38.25

38.20

38.30

ENLARGED DISCUS AREA DRAINAGE
SCALE: 1"=20'

0 20 40
Scale in feet

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HORRY COUNTY SCHOOLS

OFFICE OF FACILITIES
1160 E. HIGHWAY 501
CONWAY, SC 29526

CAROLINA FOREST HIGH SCHOOL

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

DRAINAGE AND UTILITY PLAN

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-300

File: V:\PROJECTS\ANY\X5\36108\CADD_ACAD\C-300_CPHS.DWG
Saved: 2/28/2020 1:04:24 PM By/User: 2/28/2020 1:32:58 PM Current User: Richard, Jason LastSavedBy: 5683

SEEDING NOTES:

1. INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
2. NOT REQUIRED ON SHOULDERS, MEDIANS, ETC.., AND SLOPES UNDER 5 FEET IN HEIGHT.
3. GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.
4. RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05. DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
5. PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.
6. THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.
7. GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.

SEEDING SCHEDULE FOR TEMPORARY VEGETATION Ds3

SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	COMMON BERMUDA (HULLED)	210	MARCH 16 TO AUG. 31
	TALL FESCUE	140	
2	COMMON BERMUDA (UNHULLED)	175	SEPT. 1 TO MARCH 15
	ANNUAL RYEGRASS	175	

NOTES:

THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.

SEEDING SCHEDULE FOR PERMANENT VEGETATION

SCHEDULE NO.	COMMON NAME OF SEED	RURAL RATE	URBAN RATE [1]	PLANTING DATES
3[5]	COMMON BERMUDA (HULLED) [3]	30	30	MARCH 1 TO AUG. 14
	WEEPING LOVEGRASS [2]	10	10	
	SERICEA LESPEDEZA (SCARIFIED) [2]	50	50	
4[5]	COMMON BERMUDA (UNHULLED) [3]	40	40	AUG. 5 TO FEB. 28
	WEEPING LOVEGRASS [2]	10	10	
	SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED) [2]	80	80	
	RESEEDING CRIMSON CLOVER [4]	20	0	
	RYE GRAIN	20	0	

NOTES:

1 INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
2 NOT REQUIRED ON SHOULDERS, MEDIANS, ECT., AND SLOPES UNDER 5 FEET IN HEIGHT
3 GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.
4 RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05. DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
5 PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.

THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.

THE CONTRACTOR MAY INCLUDE QUANTITIES OF RYE GRAIN AND MILLET IN SCHEDULE 1 AND 3 IN ORDER TO ESTABLISH QUICK GROUND COVER FOR EROSION CONTROL PURPOSES.

SEEDING SCHEDULE FOR TEMPORARY VEGETATION

SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	ANNUAL SUDAN GRASS (SWEET OR TIFF)	40	APRIL 1- AUGUST 15
2	BROWN TOP MILLET	50	APRIL 1- AUGUST 15
3	RYE GRAIN	55	AUGUST 16- MARCH 31

OAT GRAIN IS TO BE ADDED TO ALL SCHEDULES, IF SEEDING DATE IS BETWEEN MARCH 1 AND APRIL 16, AT THE RATE OF 10 POUNDS PER ACRE.

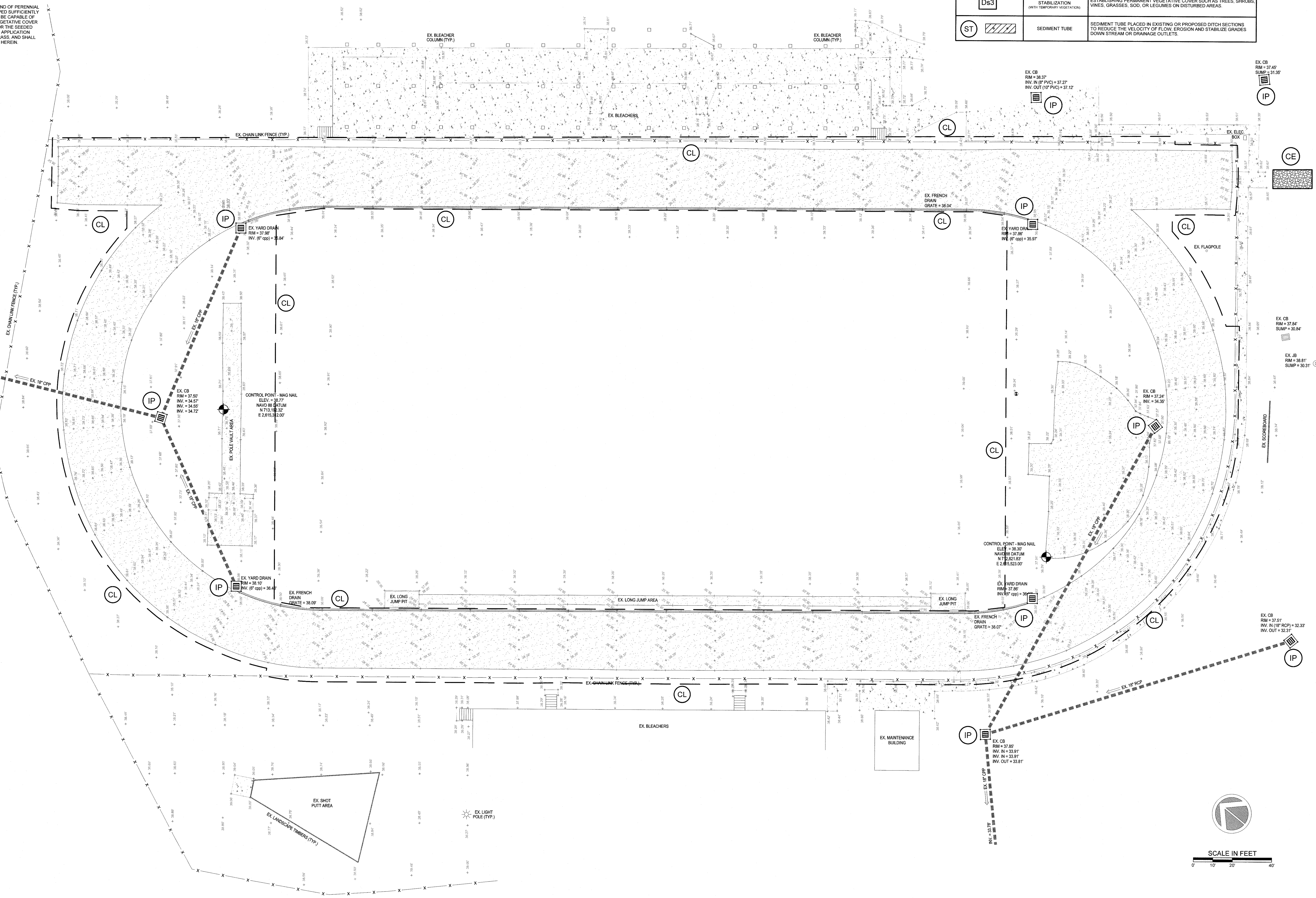
THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF VEGETATION THAT IS CAPABLE OF EROSION CONTROL. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED RESULTS. THE TEMPORARY VEGETATION SHALL PROVIDE MINIMUM DENSITY COVERAGE OF 70% OF THE SEEDED AREA.

CONSTRUCTION SEQUENCE:

1. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WITHIN AND IMMEDIATELY ADJACENT TO PROJECT AREA.
2. INSTALL CONSTRUCTION ENTRANCE.
3. INSTALL PERIMETER EROSION CONTROL DEVICES, INCLUDING ALL TREE PROTECTION.
4. DEMO EXISTING TRACK AND APPURTENANCES.

EROSION CONTROL LEGEND

SYMBOL	PRACTICE	DESCRIPTION
IP	INLET PROTECTION	A TEMPORARY SEDIMENT BARRIER LAID AROUND A STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
OP	OUTLET PROTECTION	RIP RAP CHANNEL / BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION, AND STABILIZE GRADES DOWNSTREAM OF OUTLET STRUCTURES.
CD	TEMPORARY CHECK DAM	RIP RAP BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OF DRAINAGE OUTLETS.
SF	SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
SF_2	DOUBLE ROW SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
CL	CONSTRUCTION LIMITS	A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION.
ECB	PERMANENT EROSION CONTROL MATTING (HIGH PERFORMANCE TRM PYRAMAT BY SI GEOSOLUTIONS OR EQUAL)	A PERMANENT REINFORCEMENT MAT TO PREVENT SOIL EROSION AND MAINTAIN PERMANENT GROUND COVER.
Ds3	DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION)	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.
ST	SEDIMENT TUBE	SEDIMENT TUBE PLACED IN EXISTING OR PROPOSED DITCH SECTIONS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OR DRAINAGE OUTLETS.



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OFFICE OF FACILITIES
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CONWAY, SC 29526

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
DDC ENGINEERS, INC.
No. C00036

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 29814
ERIC K. SANFORD

CAROLINA FOREST HIGH SCHOOL TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

SEDIMENT AND EROSION CONTROL PLAN PHASE I

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	1" = 20'

Drawing No.:

C-500

SEEDING NOTES:

1. INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
2. NOT REQUIRED ON SHOULDERS, MEDIANS, ETC... AND SLOPES UNDER 5 FEET IN HEIGHT.
3. GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.
4. RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05. DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
5. PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.
6. THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.
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SCHEDULE NO.	COMMON NAME OF SEED	RURAL RATE	URBAN RATE[1]	PLANTING DATES
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	SERICEA LESPEDEZA (SCARIFIED)[4]	50	50	
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	WEEPING LOVEGRASS[2]	10	10	
	SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED)[4]	80	80	
	RESEEDING CRIMSON CLOVER[5]	20	0	
	RYE GRAIN	20	0	

NOTES:

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CONSTRUCTION SEQUENCE:

1. EXCAVATE END ZONE TRACK EXTENSION AREA.
2. INSTALL UNDER DRAINAGE SYSTEM.
3. FINE GRADE TRACK AND INFIELD AREAS.
4. PAVE TRACK AND INSTALL SYNTHETIC SURFACING.
5. PAINT TRACK LINES AND FINISH REMAINING SITE IMPROVEMENTS.
6. GRADE AND SEED PERIMETER TIE IN POINTS.
7. FINAL STABILIZATION OF ALL DENUDED AREAS.
8. PER SEEDING SCHEDULE, WATER AND MAINTAIN TO INSURE PROPER GROUND COVERAGE.
9. UPON APPROVAL BY HORRY COUNTY, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

EROSION CONTROL LEGEND

SYMBOL	PRACTICE	DESCRIPTION
IP	INLET PROTECTION	A TEMPORARY SEDIMENT BARRIER LAID AROUND A STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
OP	OUTLET PROTECTION	RIP RAP CHANNEL / BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION, AND STABILIZE GRADES DOWNSTREAM OF OUTLET STRUCTURES.
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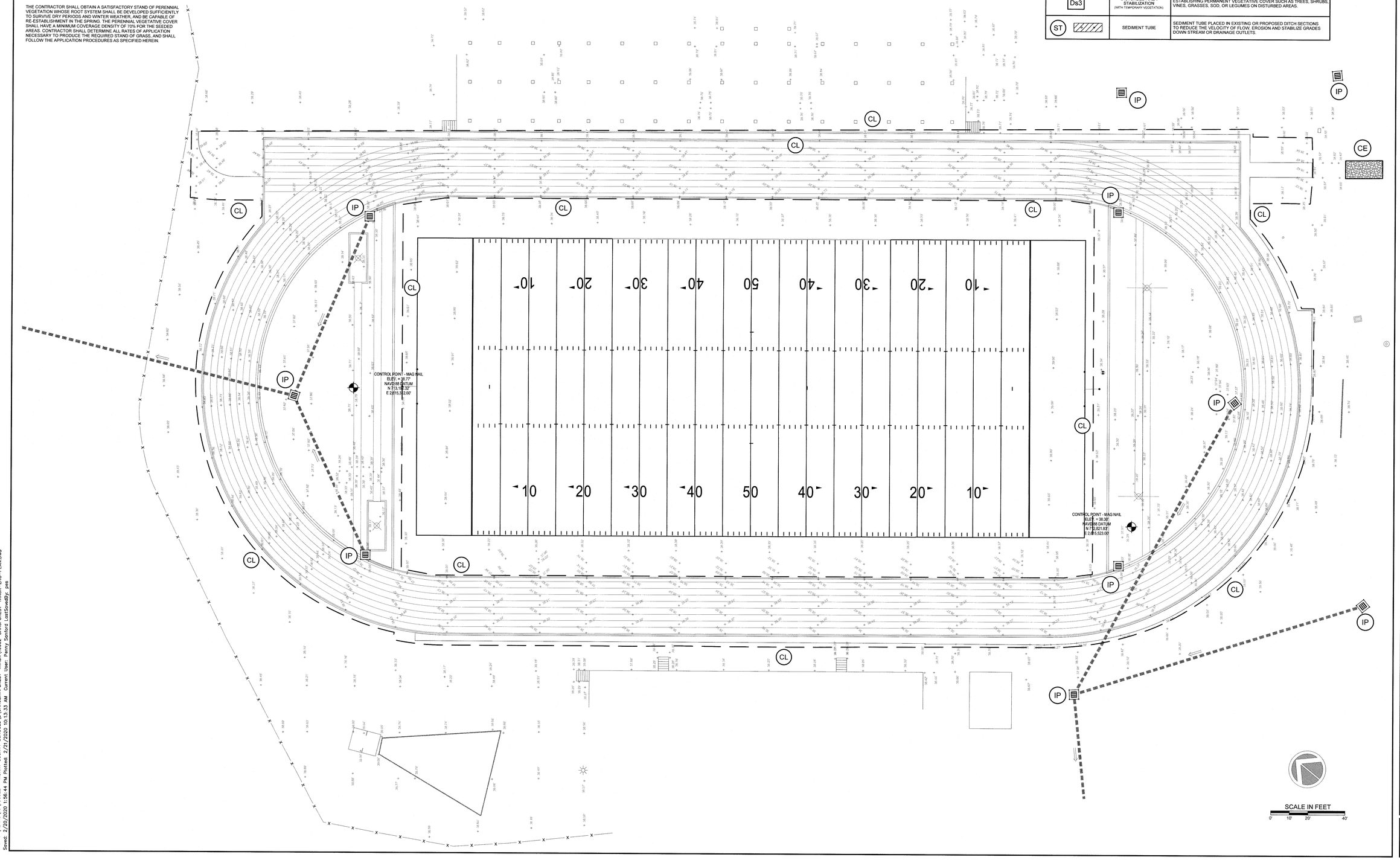

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DDC ENGINEERS, INC. No. C00036 CERTIFICATE OF AUTHORIZATION

No. 29814 ERIC K. SANFORD

HORRY COUNTY SCHOOLS

OFFICE OF FACILITIES
1160 E. HIGHWAY 501
CONWAY, SC 29526

CAROLINA FOREST HIGH SCHOOL TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

SEDIMENT AND EROSION CONTROL PLAN PHASE II

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	1" = 20'

Drawing No.:
C-501

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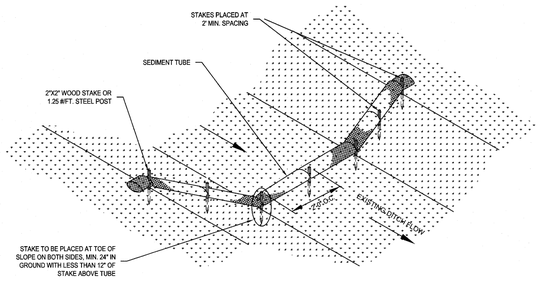

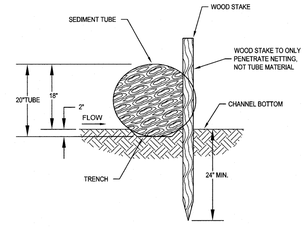

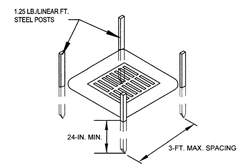

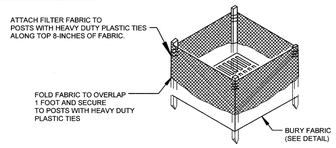

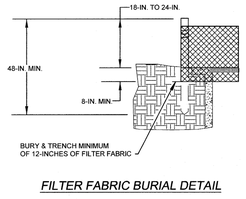

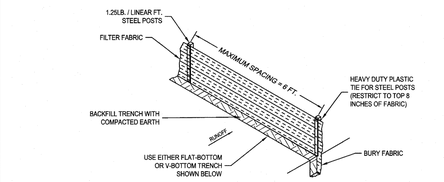

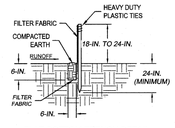

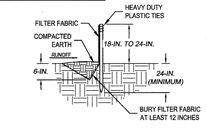

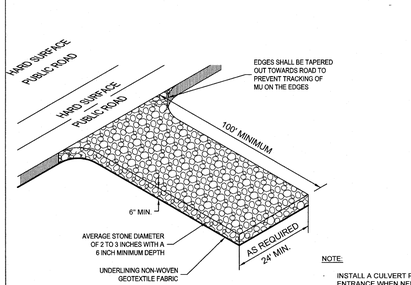

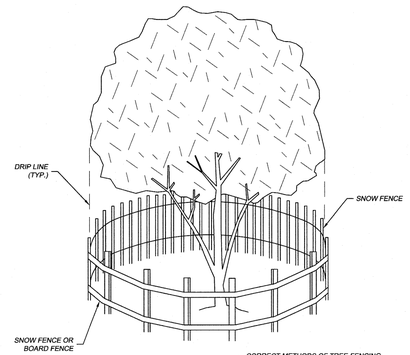

SEDIMENT TUBE CHECK DAM DETAIL (NO BLANKET)

1 1/8" x 1 1/8" x 48" WOODEN STAKES ARE RECOMMENDED FOR 20" SEDIMENT LOGS.

STAKE DETAIL (WITH TRENCH)

SEDIMENT TUBES - GENERAL NOTES

1. SEDIMENT TUBES MAY BE INSTALLED ALONG CONTOURS, IN DRAINAGE CONVEYANCE CHANNELS, AND AROUND INLETS TO HELP PREVENT OFF SITE DISCHARGE OF SEDIMENT LADEN STORM WATER RUNOFF.
2. SEDIMENT TUBES ARE ELONGATED TUBES OF COMPACTED GEOTEXTILES, CURLED EXCELSIOR WOOD, NATURAL COCONUT FIBER, OR HARDWOOD MULCH. STRAW, PINE NEEDLE AND LEAF MULCH FILLED SEDIMENT TUBES ARE NOT PERMITTED.
3. THE OUTER NETTING OF THE SEDIMENT TUBE SHOULD CONSIST OF SEAMLESS, HIGH DENSITY POLYETHYLENE PHOTODEGRADABLE MATERIALS TREATED WITH ULTRAVIOLET STABILIZERS OR A SEAMLESS, HIGH DENSITY POLYETHYLENE NON DEGRADABLE MATERIAL.
4. SEDIMENT TUBES, WHEN USED AS CHECKS WITHIN CHANNELS, SHOULD RANGE BETWEEN 18 INCHES AND 24 INCHES DEPENDING ON CHANNEL DIMENSIONS. DIAMETERS OUTSIDE THIS RANGE MAY BE ALLOWED WHERE NECESSARY WHEN APPROVED.
5. CURLED EXCELSIOR WOOD, OR NATURAL COCONUT PRODUCTS THAT ARE ROLLED UP TO CREATE A SEDIMENT TUBE ARE NOT ALLOWED.
6. SEDIMENT TUBES SHOULD BE STAKED USING WOODEN STAKES (2" X 2") OR STEEL POSTS (STANDARD "U" OR "T" SECTIONS WITH A MINIMUM WEIGHT OF 1.25 POUNDS PER FOOT) AT A MINIMUM OF 48 INCHES IN LENGTH PLACED ON 2 FOOT CENTERS.
7. INSTALL ALL SEDIMENT TUBES TO ENSURE THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE TUBE. MANUFACTURER'S RECOMMENDATIONS SHOULD ALWAYS BE CONSULTED BEFORE INSTALLATION.
8. THE ENDS OF ADJACENT SEDIMENT TUBES SHOULD BE OVERLAPPED 6 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT.
9. SEDIMENT TUBES SHOULD NOT BE STACKED ON TOP OF ONE ANOTHER, UNLESS RECOMMENDED BY MANUFACTURER.
10. EACH SEDIMENT TUBE SHOULD BE INSTALLED IN A TRENCH WITH A DEPTH EQUAL TO 1/5 THE DIAMETER OF THE SEDIMENT TUBE.
11. SEDIMENT TUBES SHOULD CONTINUE UP THE SIDE SLOPES A MINIMUM OF 1 FOOT ABOVE THE DESIGN FLOW DEPTH OF THE CHANNEL.
12. INSTALL STAKES AT A DIAGONAL FACING INCOMING RUNOFF.

SEDIMENT TUBES - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SEDIMENT TUBES IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SEDIMENT TUBES SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE SEDIMENT TUBE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SEDIMENT TUBE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. LARGE DEBRIS, TRASH AND LEAVES SHOULD BE REMOVED FROM IN FRONT OF TUBES WHEN FOUND.
7. IF EROSION CAUSES THE EDGES TO FALL TO A HEIGHT EQUAL TO OR BELOW THE HEIGHT OF THE SEDIMENT TUBE, REPAIRS SHOULD BE MADE IMMEDIATELY TO PREVENT RUNOFF FROM BYPASSING TUBE.
8. SEDIMENT TUBES SHOULD BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN COMPLETELY STABILIZED. PERMANENT VEGETATION SHOULD REPLACE AREAS FROM WHICH SEDIMENT TUBES HAVE BEEN REMOVED.

SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET

(ST) SEDIMENT TUBE DETAIL

SCALE: N.T.S.

POST INSTALLATION DETAIL

FILTER FABRIC INSTALLATION DETAIL

FILTER FABRIC BURIAL DETAIL

TYPE A - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48 INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   - COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   - INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38 INCHES AND A NOMINAL "T" LENGTH OF 1.48 INCHES.
   - WEIGH 1.25 POUNDS PER FOOT (±8%).
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. INSTALL POSTS TO A MINIMUM OF 24 INCHES. A MINIMUM HEIGHT OF 1 TO 2 INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
4. POST SPACING SHALL BE AT A MAXIMUM OF 3 FEET ON CENTER.

TYPE A - FILTER FABRIC REQUIREMENTS

1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   - FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   - HAVE A MINIMUM WIDTH OF 36 INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12 INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24 INCHES ABOVE THE GROUND.

TYPE A - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL INLET PROTECTION IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF INLET PROTECTION SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE FILTER FABRIC IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE FILTER FABRIC. WHEN A SUMP IS INSTALLED IN FRONT OF THE FABRIC, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE SUMP.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORM WATER RUNOFF HAS ERODED A CHANNEL BENEATH THE FILTER FABRIC, BENEATH THE FILTER FABRIC, OR WHERE THE FABRIC HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE INLET PROTECTION.
7. CHECK FOR TEARS WITHIN THE FILTER FABRIC, AREAS WHERE FABRIC HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE INLET PROTECTION INEFFECTIVE. REMOVE DAMAGED FABRIC AND REINSTALL NEW FILTER FABRIC IMMEDIATELY.
8. INLET PROTECTION STRUCTURES SHOULD BE REMOVED AFTER ALL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. STABILIZE ALL BARE AREAS IMMEDIATELY.

(IP) INLET PROTECTION

SCALE: N.T.S.

SILT FENCE INSTALLATION

FLAT-BOTTOM TRENCH DETAIL

V-SHAPED TRENCH DETAIL

SILT FENCE - GENERAL NOTES:

1. DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS GREATER THAN 0.5 CFS.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100 FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
4. SILT FENCE JOINTS, WHEN NECESSARY SHALL BE COMPLETED BY ONE OF THE FOLLOWING OPTIONS:
   - WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 1 FOOT MINIMUM OVERLAP.
   - OVERLAP SILT FENCE BY INSTALLING 3 FEET PAST THE SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY DUTY PLASTIC TIES; OR
   - OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM ONE SUPPORT POST TO THE NEXT SUPPORT POST.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC.
6. INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORM WATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEAN OUT.
7. INSTALL SILT FENCE CHECKS (TIE-BACKS) EVERY 50-100 FEET, DEPENDENT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED / INSTALLED SILT FENCE.

SILT FENCE - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48 INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   - COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   - INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38 INCHES AND A NOMINAL "T" LENGTH OF 1.48 INCHES.
   - WEIGH 1.25 POUNDS PER FOOT (±8%).
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. STEEL POSTS MAY NEED TO HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM WHEN INSTALLED ALONG STEEP SLOPES OR INSTALLED IN LOOSE SOILS. THE PLATE SHOULD HAVE A MINIMUM CROSS SECTION OF 17 SQUARE INCHES AND BE COMPOSED OF 15 GAUGE STEEL, AT A MINIMUM. THE METAL SOIL STABILIZATION PLATE SHOULD BE COMPLETELY BURIED.
4. INSTALL POSTS A MINIMUM OF 24 INCHES. A MINIMUM HEIGHT OF 1 TO 2 INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
5. POST SPACING SHALL BE AT A MAXIMUM OF 6 FEET ON CENTER.

SILT FENCE - FABRIC REQUIREMENTS

1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   - FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   - HAVE A MINIMUM WIDTH OF 36 INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12 INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24 INCHES ABOVE THE GROUND.

SILT FENCE - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SILT FENCE SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORM WATER RUNOFF HAS ERODED A CHANNEL BENEATH THE SILT FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE SILT FENCE. INSTALL CHECKS/TIE-BACKS AND/OR REINSTALL SILT FENCE, AS NECESSARY.
7. CHECK FOR TEARS WITHIN THE SILT FENCE, AREAS WHERE SILT FENCE HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE SILT FENCE INEFFECTIVE. REMOVE DAMAGED SILT FENCE AND REINSTALL NEW SILT FENCE IMMEDIATELY.
8. SILT FENCE SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED AND ONCE IT IS REMOVED, THE RESULTING DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.

(SF) CONSTRUCTION OF A SILT FENCE

SCALE: N.T.S.

EROSION CONTROL NOTES:

1. TOTAL DEVELOPMENT AREA : 3.90 ± ACRES
2. DISTURBED AREA THIS PHASE: 1.16 ± ACRES
3. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
4. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:

   - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.

   - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
5. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
6. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
7. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
8. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
9. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR 100000.
10. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
11. ALL WATERS OF THE STATE (WoS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50 FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WoS. A 10 FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WoS.
12. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
13. A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
14. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
15. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
16. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
17. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
18. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:

   - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
   - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
   - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
   - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
19. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
20. IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND / OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
21. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SILT BARRIERS AND SEDIMENT CONTROL INSTALLATIONS DURING CONSTRUCTION UNTIL THE COMPLETION OF THE SITE DEVELOPMENT.
23. EROSION CONTROL DEVICES MUST BE INSTALLED IMMEDIATELY AFTER LAND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE CONTROL DEVICES MAY BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS, IF DRAINAGE PATTERNS DURING CONSTRUCTION VARY FROM THE FINAL DRAINAGE PATTERNS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE SOIL EROSION CONTROL FOR ALL DRAINAGE PATTERNS DURING ALL STAGES OF CONSTRUCTION. ALL INADEQUACIES IN SOIL EROSION CONTROL DURING ANY PHASE OF CONSTRUCTION MUST BE REPORTED IMMEDIATELY TO THE ENGINEER.
24. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING OF ALL DEVICES.
25. FAILURE TO INSTALL, OPERATE AND MAINTAIN ALL EROSION CONTROL MEASURES, AS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE ENGINEER AND/OR OCRM WILL RESULT IN ALL WORK ON THE CONSTRUCTION SITE BEING STOPPED UNTIL PROPER CORRECTIVE MEASURES HAVE BEEN MET, AS REQUIRED AND/OR DIRECTED.
26. ALL LAND DISTURBING ACTIVITIES REQUIRES COMPLIANCE UNDER THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES (PERMIT NO. SCR100000). ANY NONCOMPLIANCE WITH THESE REGULATIONS IS A VIOLATION OF THE FEDERAL CLEAN WATER ACT AND MAY REQUIRE ENFORCEMENT ACTION BY HORRY COUNTY OR SCDHEC.
27. CONTRACTOR SHALL PROVIDE A WATER TIGHT ENCLOSURE FOR STORAGE OF THE OCRM CERTIFIED PLANS AND INSPECTION REPORTS. ENCLOSURE SHALL BE LOCATED IN AN AREA ACCESSIBLE TO REGULATORY PERSONNEL.
28. ALL STOCKPILE TO BE PROTECTED WITH SILT FENCE.
29. ALL CONCRETE TO BE WASHED OUT IN AN APPROVED AREA.

NOTE:

- INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
- DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.
- ENTRANCES SHALL COMPLY WITH SCDOT STANDARD DRAWING 651-115-01

(CE) STABILIZIED CONSTRUCTION ENTRANCE

SCALE: N.T.S.

TREE PROTECTION

SCALE: N.T.S.

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CHA
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OFFICE OF FACILITIES
1160 E. HIGHWAY 501
CONWAY, SC 29526

DDC
ENGINEERS, INC.
No. C00036

No. 29814
ERIC K. SANFORD

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CAROLINA FOREST
HIGH SCHOOL
TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

SEDIMENT AND EROSION
CONTROL DETAILS

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	NO SCALE

Drawing No.:
C-502

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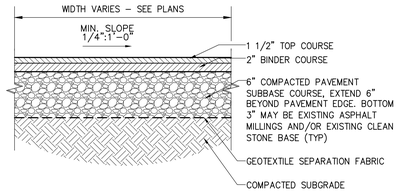
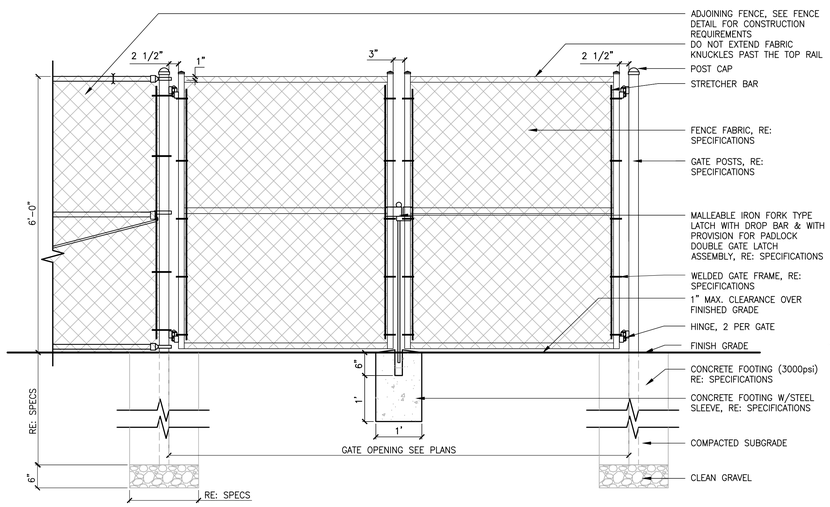
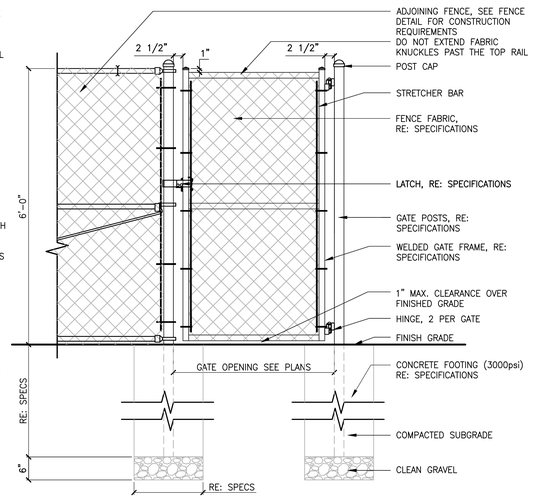
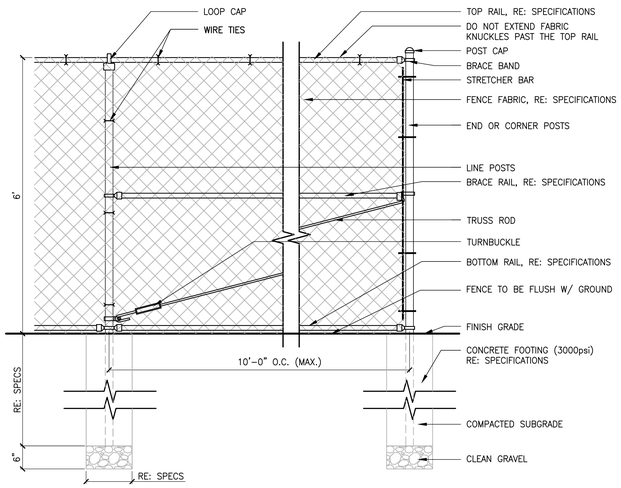


1 ASPHALT PAVEMENT
SCALE:

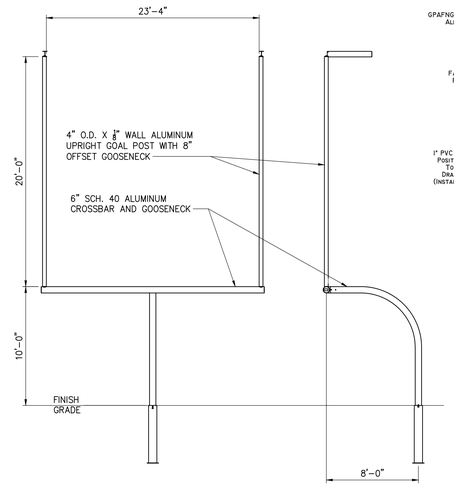


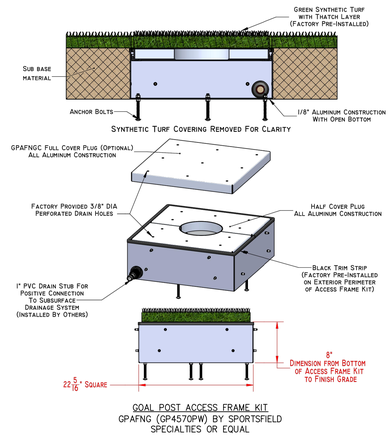




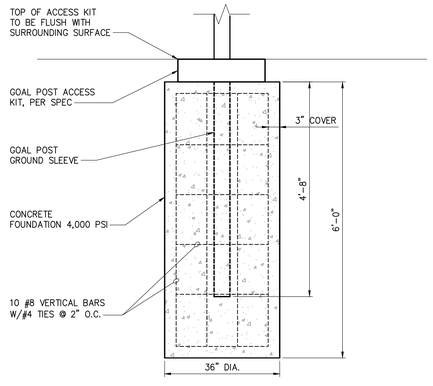
NOTES:
1. SEE SPECIFICATIONS FOR POST AND FENCE FRAME SIZING.
2. ALL POST FOOTINGS SHALL BE PER SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR FENCE FINISH REQUIREMENTS.
4. HOLD DOWN TOP OF FOOTING BELOW WALK (TYP.).
5. ALL CHAIN LINK FENCING SHALL HAVE A CONTINUOUS BOTTOM RAIL, NO TENSION WIRE IS ALLOWED
6. ALL CHAIN LINK FENCING, POST RAILS AND MESH/FABRIC SHALL BE BLACK POLYMER COATED. CHAIN LINK GATE POSTS AND RAILS MAY BE POWDER COATED.

2 6' CHAIN LINK FENCE AND GATES DETAIL
SCALE:





GOAL POST ACCESS FRAME KIT
GPAFNG (GP4570PW) BY SPORTSFIELD SPECIALTIES OR EQUAL



3 FOOTBALL GOAL POST AND FOUNDATION DETAIL
SCALE:

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CAROLINA FOREST HIGH SCHOOL

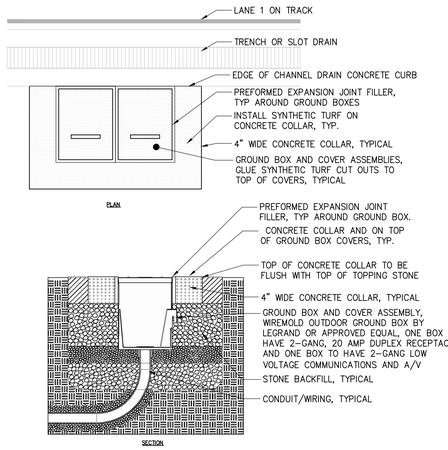
TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

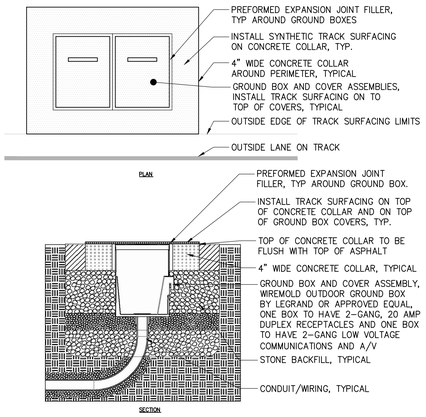
TRACK AND FIELD DETAILS

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

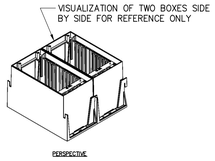
Drawing No.:
C-600

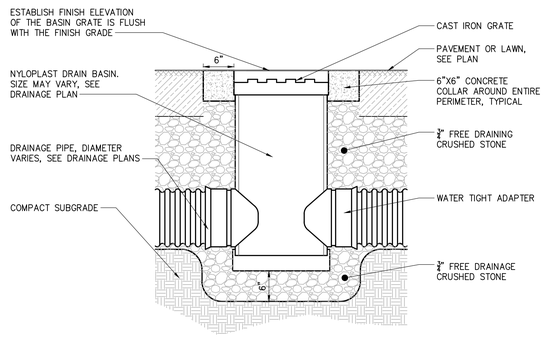


1 JUNCTION BOX – LAWN
SCALE:

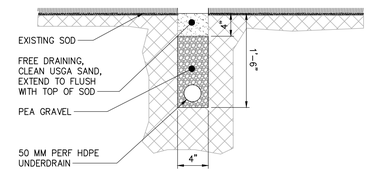


2 JUNCTION BOX – ASPHALT
SCALE:

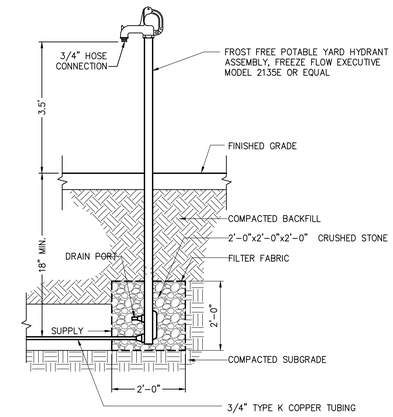




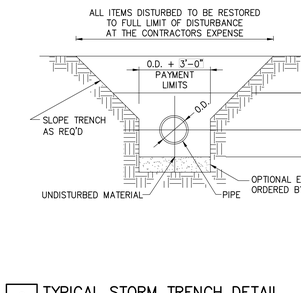
3 AREA DRAIN
SCALE:



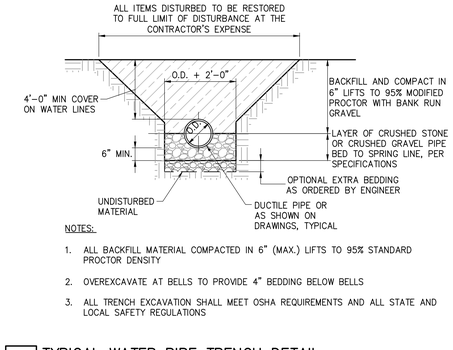
4 SAND SILT DRAINAGE DETAIL
SCALE:



5 FROST FREE POTABLE YARD HYDRANT
SCALE:

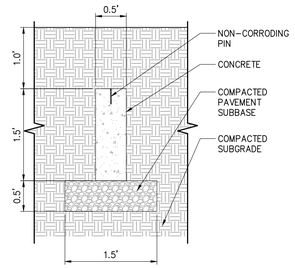


6 TYPICAL STORM TRENCH DETAIL
SCALE:

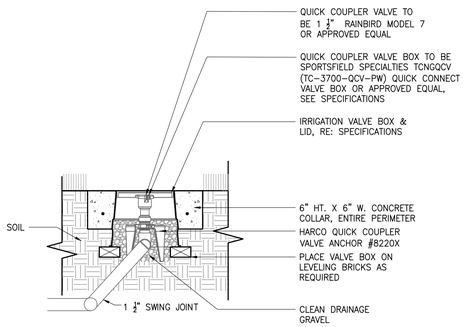


7 TYPICAL WATER PIPE TRENCH DETAIL
SCALE:

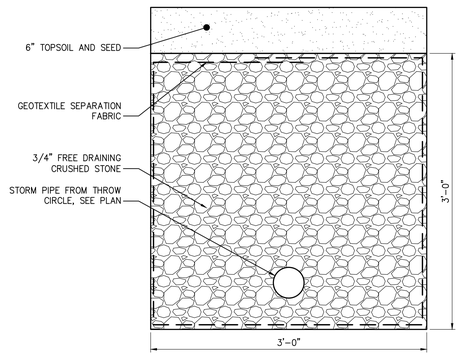
NOTE:
1. PROVIDE LOCATION PINS IN OUTSIDE CONCRETE CURBS AT 4 POINTS OF CURVATURE (PC'S) AND APEX OF BOTH TURNS



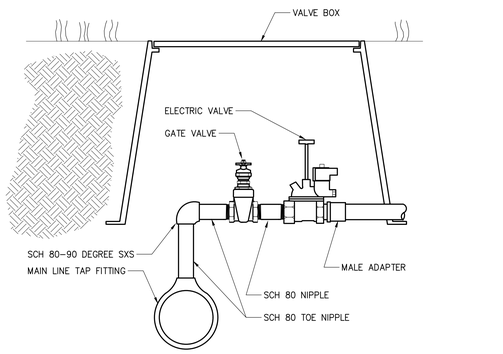
8 TRACK RADIUS MOMUNMENT POINT DETAIL
SCALE:



9 QUICK COUPLER DETAIL
SCALE:



10 GRAVEL SUMP DETAIL
SCALE:



11 BURIED ELECTRICAL VALVE ASSEMBLY
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CAROLINA FOREST HIGH SCHOOL

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

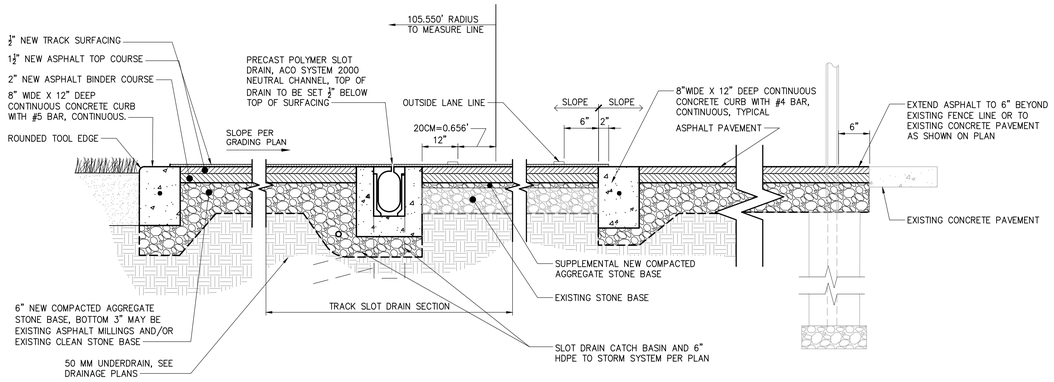
No.	Submittal / Revision	App'd.	By	Date

TRACK AND FIELD DETAILS

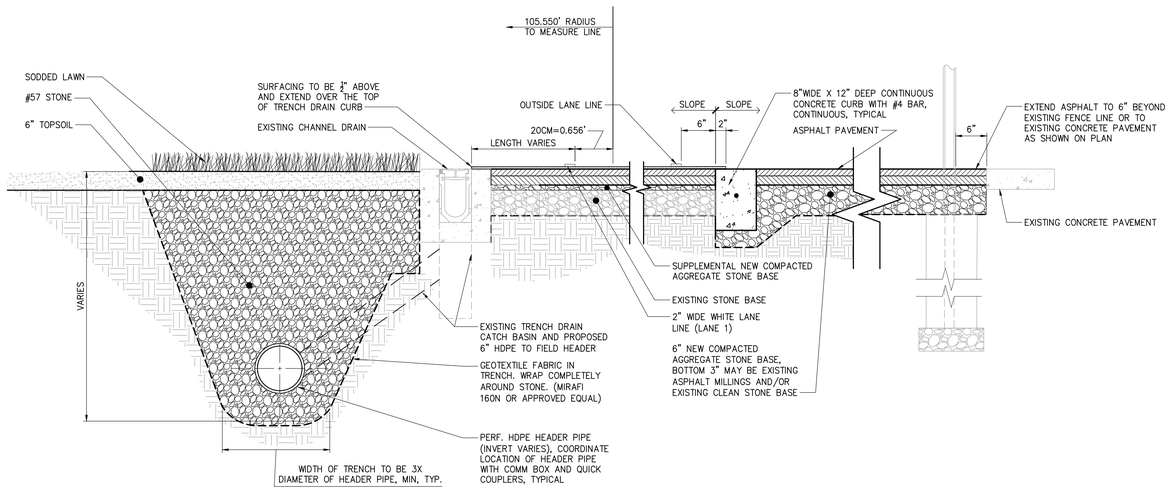
Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:

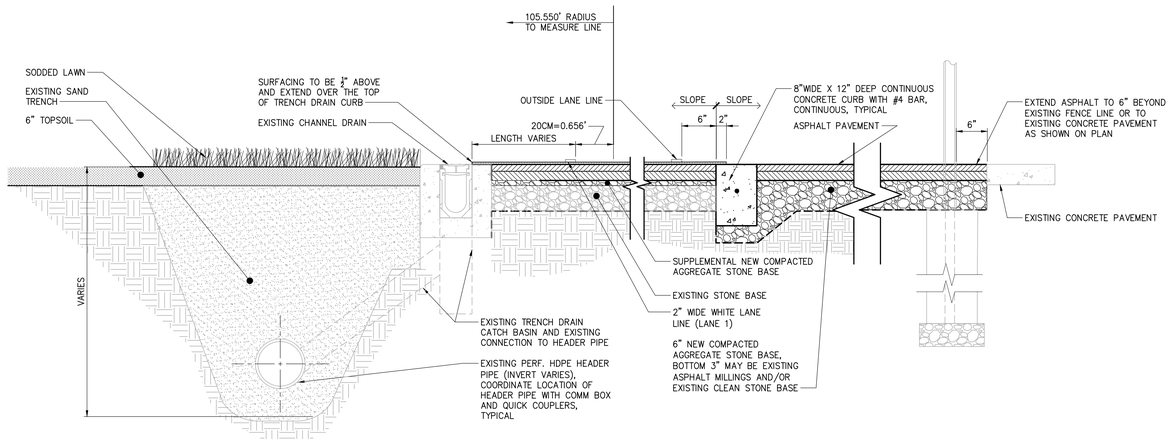
C-601



1 TRACK CROSS SECTION AT D-ZONE AND PERIMETER CURB
SCALE:



2 TRACK CROSS SECTION AT EXISTING TRENCH DRAIN AND PERIMETER CURB (WEST SIDE)
SCALE:



3 TRACK CROSS SECTION AT EXISTING TRENCH DRAIN AND PERIMETER CURB (EAST SIDE)
SCALE:

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TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	Appr'd	By	Date

TRACK AND FIELD
DETAILS

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-602

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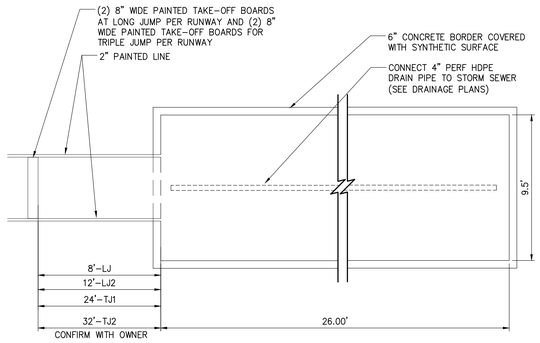
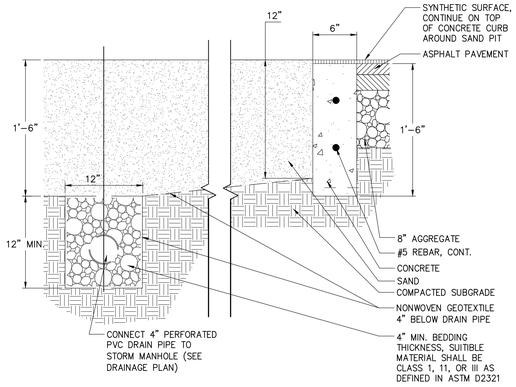
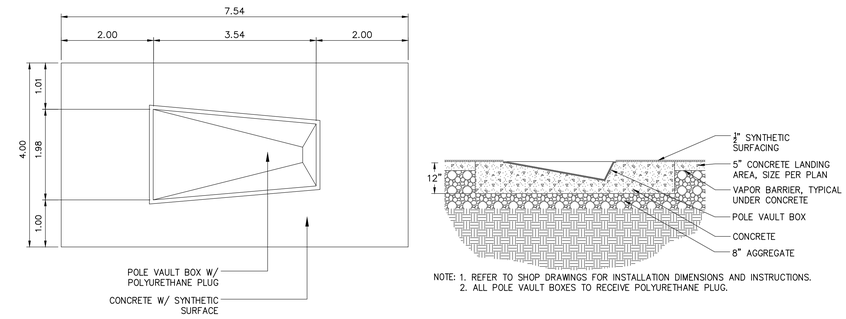


1 LONG/TRIPLE JUMP SAND PIT PLAN
SCALE:



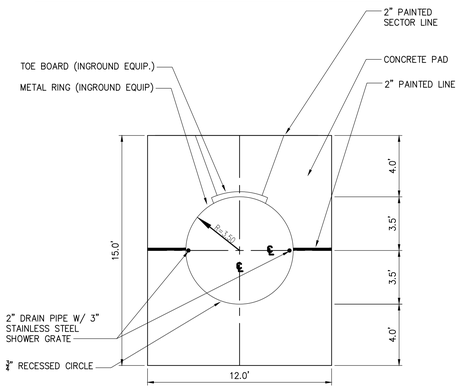
2 LONG/TRIPLE JUMP SAND PIT SECTION
SCALE:



NOTE: 1. REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.
2. ALL POLE VAULT BOXES TO RECEIVE POLYURETHANE PLUG.

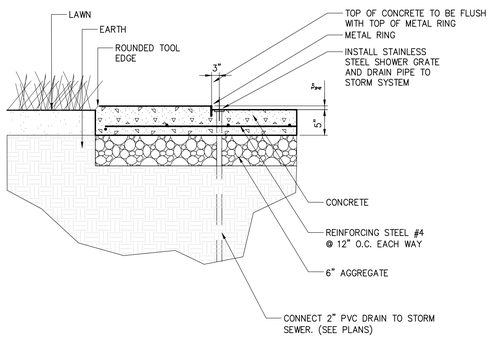
3 POLE VAULT BOX PLAN AND SECTION
SCALE:

NOTE:
1. ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENT ARE FOR INFORMATION ONLY. REFER TO MANUFACTURER SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.
2. CONCRETE TEXTURE IS A LIGHT BROOM FINISH. OWNER'S REPRESENTATIVE TO BE PRESENT UPON CONCRETE INSTALLATION TO VERIFY PROPER TEXTURE.

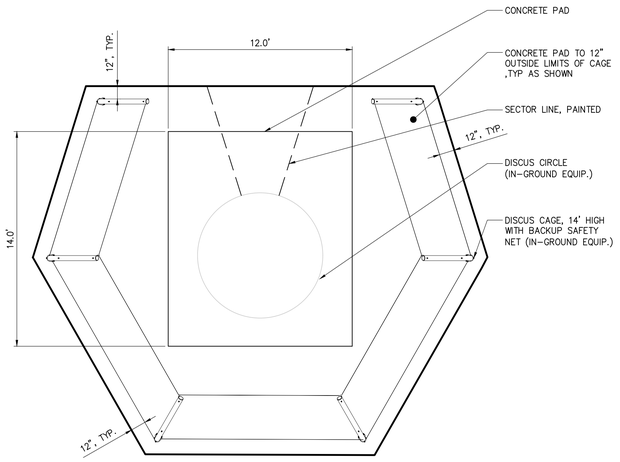


4 SHOT PUT CIRCLE PLAN
SCALE:

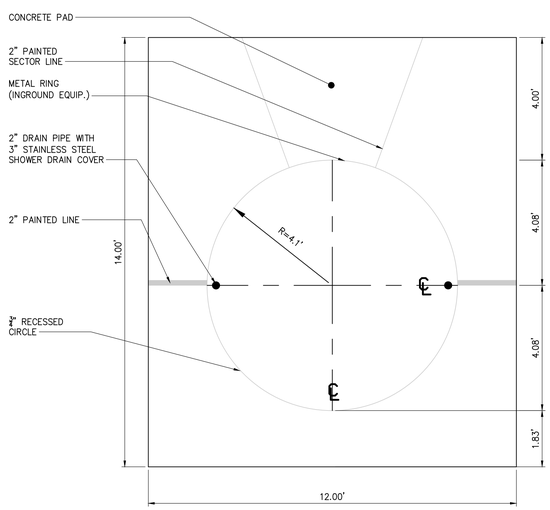
NOTE: ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENTS ARE FOR BIDDING ONLY. REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.



5 SHOT PUT CIRCLE SECTION
SCALE:

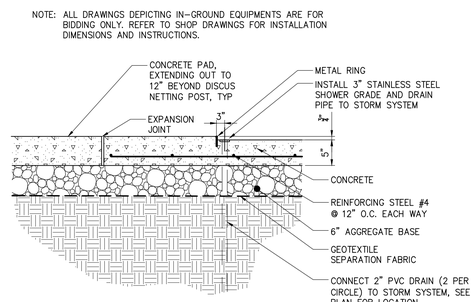


6 DISCUS CAGE PLAN
SCALE:

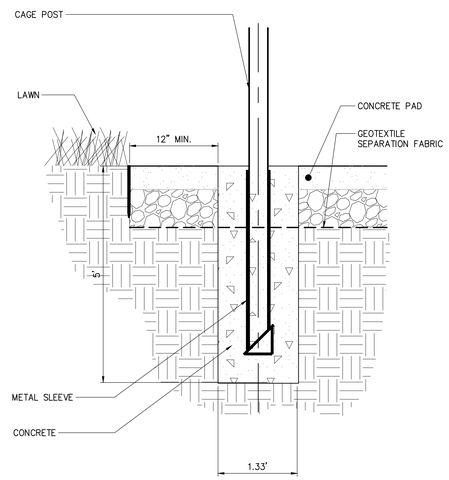


7 DISCUS CIRCLE PLAN
SCALE:

NOTE: ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENTS ARE FOR BIDDING ONLY. REFER TO SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.



8 DISCUS CIRCLE SECTION
SCALE:



9 DISCUS NETTING SECTION
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CAROLINA FOREST HIGH SCHOOL

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	Appl'd	By	Date

TRACK AND FIELD DETAILS

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-603

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Saved: 2/21/2020 12:26:13 PM Plotted: 2/26/2020 10:02:10 AM Current User: Hermes, Rose LastSaved By: 5683

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF/G	ABOVE FINISHED FLOOR/GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPERE TRIP
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BTM	BOTTOM
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CKT	CIRCUIT
℄	CENTER LINE
CO	COMPANY
COMM	COMMUNICATIONS
CONN	CONNECTION, CONNECT
CU	COPPER
△	DELTA CONNECTION
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC(AL)
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F	FUSE(D)
FC	FOOTCANDLES
FIXT	FIXTURE
FLR	FLOOR
FT	FOOT (FEET)
FUT	FUTURE
G, GND	GROUND
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HGT	HEIGHT
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
HW	HOT WATER
ID	IDENTIFY, IDENTIFICATION
INCAND	INCANDESCENT
J-BOX	JUNCTION BOX
JCT	JUNCTION
KCM/Kcmil	THOUSAND CIRCULAR MILS
KVA	KILO VOLT AMPERE
KW	KILOWATT
LGT	LIGHTING
LT(S)	LIGHT(S)
LED	LIGHT EMITTING DIODE
L	LOUVER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MC	METAL CLAD CABLE
MFR	MANUFACTURER
MH	METAL HALIDE
MECH	MECHANICAL
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT
No/#	NUMBER
OL	OVERLOAD
P	POLE(S)
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PWR	POWER
ø	PHASE
PT	PRESSURE TREATED
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SEC	SECONDARY
SH	SHIELDED
SW	SWITCH
TEMP	TEMPORARY/TEMPERATURE
TB	TERMINAL BOARD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
VA	VOLT-AMPERES
W	WATT, WIRE
W/	WITH
WP	WEATHERPROOF
XFMR/T	TRANSFORMER
Y	WYE CONNECTION

DEVICES AND APPURTENANCES

- SINGLE POLE TOGGLE SWITCH
- DUPLEX RECEPTACLE
- TWO - 20 AMP DUPLEX RECEPTACLES UNDER SINGLE COVER
- JUNCTION BOX
- HAND HOLE

RACEWAYS

- CONDUIT CONCEALED OR EXPOSED AS SPECIFIED
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- PP-1 1/3/5 — HOMERUN BACK TO PANEL (PANEL AND CIRCUITS INDICATED)
- CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED
- UNDERGROUND CONDUIT
- GROUND CONDUCTOR
- GROUNDING CONDUCTOR TERMINATION POINT AT SERVICE EQUIPMENT
- INDICATES EXISTING DEVICES OR EQUIPMENT

POWER DISTRIBUTION EQUIPMENT

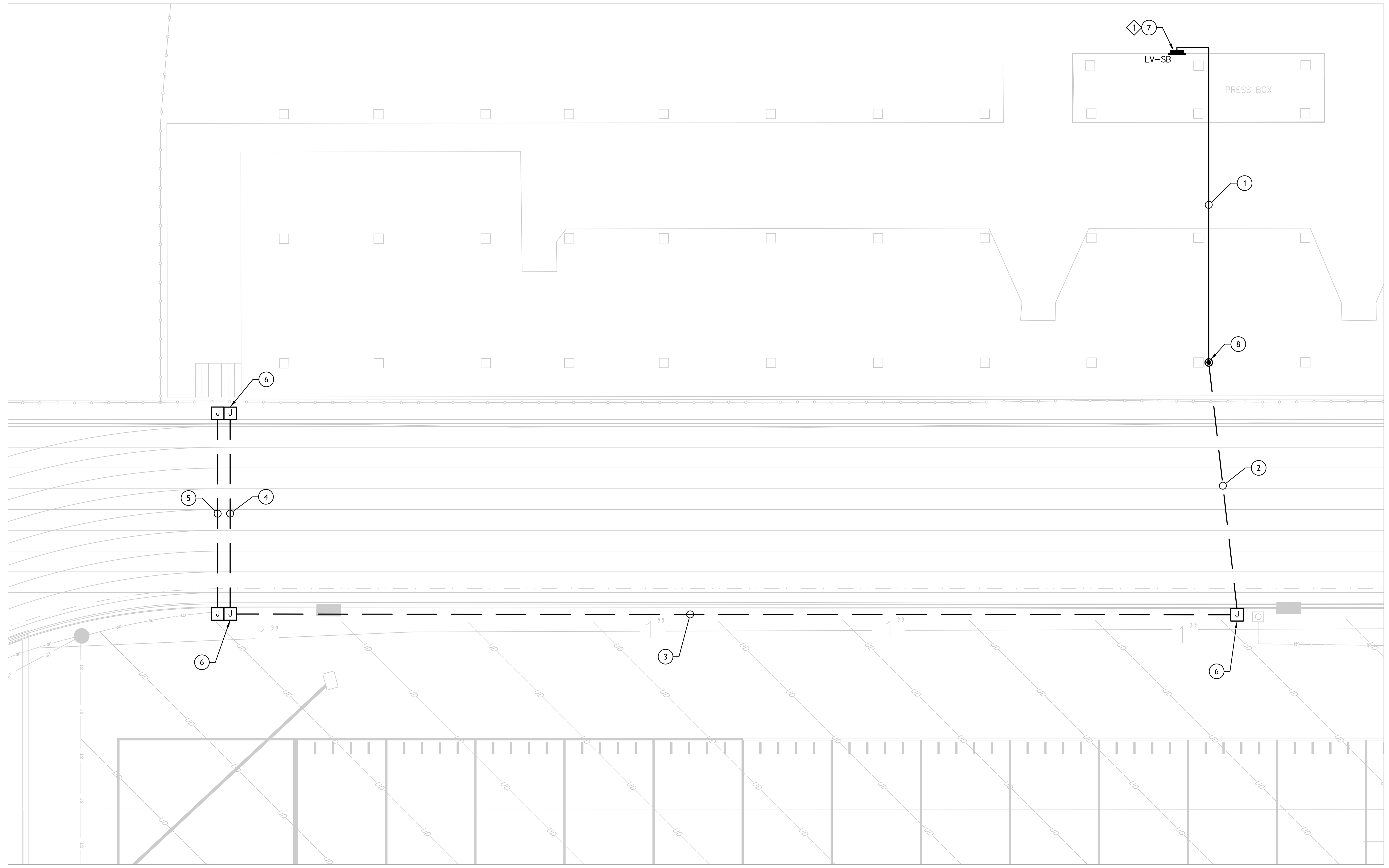
- SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON
- RECESSED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON
- SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 480/277V, 3ø, 4W, UON
- RECESSED BRANCH CIRCUIT PANELBOARD 480/277V, 3ø, 4W, UON
- DISTRIBUTION PANEL
- CR — CONTROL RELAY PANEL

GENERAL

- (#) NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER, REFER TO MATCHING NUMBERED CODED NOTE
- ◇# NUMBER IN DIAMOND, WITH OR WITHOUT ARROW OR LEADER; REFER TO THE DEMOLITION CODED NOTE WITH THE MATCHING NUMBER
- X / XXX — DETAIL CALLOUT

GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER(S).
2. ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY THE ELECTRICAL CONTRACT UNLESS OTHERWISE INDICATED.
3. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. EXACT LOCATION OF ALL CONDUIT RUNS SHALL BE DETERMINED IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORK, ACCESS DOORS AND WORK BY OTHER TRADES.
4. GENERAL NOTES APPLY TO ALL ELECTRICAL CONTRACT DRAWINGS.

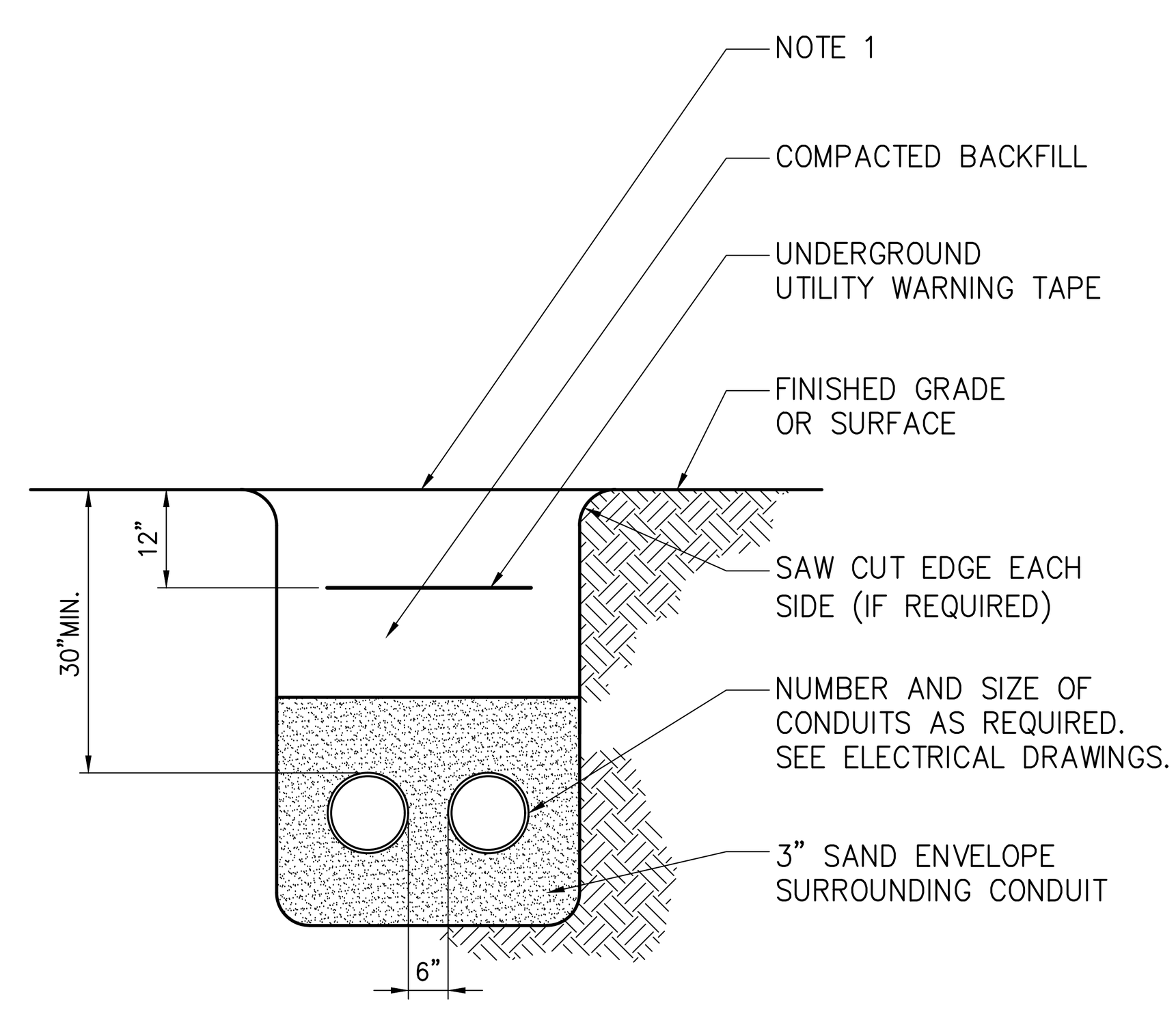


ELECTRICAL SITE PLAN

SCALE: 1" = 10'

CODED NOTES

1. 1" RGS CONDUIT WITH (2) #8 (1) #8G FOR MIDFIELD AND (2) #8, (1) #8G FOR FINISH LINE RECEPTACLES FROM PANEL LV-SB TO JUNCTION BOX. TO RUN CONDUIT ALONG THE UNDERSIDE OF THE BLEACHERS.
2. 1" SCHEDULE 40 PVC CONDUIT WITH (2) #8 AND (1) #8G FOR FINISH LINE RECEPTACLES, AND (2) #8 AND (1) #8G FOR MIDFIELD RECEPTACLES FROM PANEL LV-SB TO MIDFIELD JUNCTION BOX.
3. 1" SCHEDULE 40 PVC CONDUIT WITH (2) #8 AND (1) #8G FOR FINISH LINE RECEPTACLES FROM MIDFIELD AND FINISH LINE JUNCTION BOXES.
4. 1" SCHEDULE 40 PVC CONDUIT WITH (2) #8 AND (1) #8G BETWEEN FINISH LINE JUNCTION BOXES.
5. 1 1/2" SCHEDULE 40 PVC SCHEDULE 40 PVC CONDUIT BETWEEN JUNCTION BOXES FOR INSTALLATION OF COMMUNICATION WIRING.
6. PROVIDE JUNCTION BOX (SEE DETAILS 1 & 2 ON C-601)
7. REPAIR WALL WHEN INSTALLING LARGER RECESSED PANEL.
8. TRANSITION BETWEEN ABOVE GROUND AND UNDERGROUND CONDUIT.



NOTE

1. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS.

1 TYPICAL DIRECT BURIED CONDUIT(S) DETAIL

NOT TO SCALE

DEMO CODED NOTES

◇1 REPLACE EXISTING RECESSED 12 CKT PANELBOARD WITH 24 CKT. 120/240V, 1P, 3W PANEL BOARD. RECONNECT ALL EXISTING BRANCH CKTS. (SEE PANEL BOARD SCHEDULE LV-SB FOR BREAKER AND FEEDER REQUIREMENTS)

GENERAL NOTES

1. PROTECT AND MAINTAIN EXISTING ELECTRICAL WIRING. REPAIR ANY DAMAGED CONDUIT/WIRING AND OR ELECTRICAL BOXES IN KIND.

LOCATION: CFHS STADIUM BOOTH
MOUNTING: RECESSED
SOURCE: ?

PANEL ID: **LV-SB**

VOLTS, PHASE, WIRE: 240/120V, 1ɸ, 3W
MAINS: 200A/2P
SHORT CIRCUIT RATING: 10 kA

CKT	LOAD DESCRIPTION	CB AMPS/POLE	CONN LOAD KVA	CONN LOAD KVA		CONN LOAD KVA	CONN LOAD KVA	CB AMPS/POLE	LOAD DESCRIPTION	CKT
1	RECPT	20/1						30/2	HIGHBAY LIGHT	2
3	RECPT	20/1								4
5	RECPT	20/1						30/2	HIGHBAY LIGHT	6
7	LIGHT-RECPT	20/1								8
9	RECPT-LIGHT	20/1						25/2	SPARE	10
11	RECPT	20/1								12
13	MIDFIELD RECEPTACLES	20/1	0.18							14
15	FIELD RECEPTACLES	20/1		0.36						16
17										18
19										20
21										22
23										24
			0.18	0.36		####	####			
			TOTAL ADDED EST. kVA							
			0.54							

NOTES
1. CKT BKR ARE ASSUMPTIONS FOR BIDDING PURPOSES ONLY.

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CAROLINA FOREST HIGH SCHOOL

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

ELECTRICAL SITE PLAN

Designed By:	Drawn By:	Checked By:
JRH	JRH	JD
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
E-001

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

LORIS HIGH SCHOOL

February, 2020

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SITE VICINITY MAP
SCALE: NOT TO SCALE

100% CONSTRUCTION DOCUMENTS

Sheet Index

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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

TITLE SHEET

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
G-000

SURVEY NOTES

1. THE MAP IS BASED ON A FIELD SURVEY COMPLETED BY DDC ENGINEERS IN JULY 2019

2. ELEVATIONS ARE REFERENCED TO THE NAVD 88 VERTICAL DATUM.

DDC ENGINEERS

Consulting Engineers, Surveyors, Planners,
Landscape Architects & Environmentalists
1298 Professional Dr., Myrtle Beach, SC 29577
Phone: (843) 692-3200 Fax: (843) 692-3210

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TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

EXISTING CONDITIONS PLAN

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-001

Scale in feet: 0 20 40

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REMOVE FULL DEPTH ASPHALT & STONE BASE (CONTRACTOR TO ASSUME 3" OF EXISTING ASPHALT & 3" OF EXISTING STONE BASE) AND STOCKPILE ON SITE. DISPOSE OF EXCESS ASPHALT MILLINGS, TYPICAL WITHIN LIMITS SHOWN.

REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POSTS, AND FOUNDATIONS TO LIMITS SHOWN

SAWCUT AND REMOVE EXISTING CONCRETE

PROTECT EXISTING CHAIN LINK FENCE, RECONNECT/EXTEND TO NEW PERIMETER TRACK FENCE

PROTECT AND MAINTAIN EXISTING CHAIN LINK FENCE

PROTECT AND MAINTAIN EXISTING FLAGPOLE

REMOVE AND DISPOSE OF EXISTING 6" CPP PIPE

REMOVE AND DISPOSE OF EXISTING YARD DRAIN

SEE ELECTRICAL PLANS FOR SCOPE OF WORK ON EXISTING PANEL AND ELECTRICAL COMPONENTS

REMOVE EXISTING IRRIGATION HEADS AND LATERAL LINES FROM NEW D-ZONE LIMITS, CAP AND MAINTAIN EXISTING IRRIGATION WITHIN REMAINING SODDED PLAYING LIMITS, TYPICAL BOTH D-ZONES

PROTECT AND MAINTAIN EXISTING TIME CLOCK AND ASSOCIATED ELECTRICAL WIRING,REPAIR ANY DAMAGED CONDUIT/WIRING AND OR ELECTRICAL BOXES IN KIND, TYPICAL BOTH SIDES

STRIP AND REMOVE EXISTING TOPSOIL/EXCESS SOIL TO PROPOSED SUBGRADE WITHIN LIMITS SHOWN

PROTECT AND MAINTAIN EXISTING FOOTBALL GOAL POSTS, TYPICAL OF 2

REMOVE AND DISPOSE OF EXISTING FENCE AND FENCE TOPPER, TYPICAL BOTH SIDES

SAWCUT EXISTING CONCRETE IN FRONT OF BLEACHERS FOR ELECTRICAL TRENCH AND REPLACE CONCRETE IN KIND, SEE ELECTRICAL PLAN FOR ROUTING

PROTECT AND MAINTAIN EXISTING FIELD AND IRRIGATION SYSTEM

CUT AND CAP EXISTING 8" CPP

SAW CUT, REMOVE AND DISPOSE OF EXISTING CONCRETE

SAW CUT, REMOVE AND DISPOSE OF EXISTING ASPALT PAVEMENT

SAW CUT, REMOVE AND DISPOSE OF EXISTING CONCRETE PAVEMENT

SEE ELECTRICAL PLANS FOR SCOPE OF WORK ON EXISTING PANEL AND ELECTRICAL COMPONENTS

PROTECT AND RAISE EXISTING ELECTRICAL BOX TO FINISH GRADE IN D-ZONE LIMITS, COVER WITH TRACK SURFACING, PROVIDE CUTOUT FOR ACCESS

SAW CUT LINE, REPAIR ASPHALT IN KIND AS NECESSARY TO CONSTRUCT OUTSIDE PERIMETER APRON AND CURB, TYPICAL

REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POSTS, AND FOUNDATIONS

PROTECT AND MAINTAIN EXISTING CONCRETE WALKWAY, TYPICAL

REMOVE AND DISPOSE OF EXISTING DISCUS PAD, NETTING, POLE AND ASSOCIATED FOOTINGS

REMOVE AND DISPOSE OF EXISTING SHOT PUT PAD

PROTECT AND MAINTAIN EXISTING LIGHT POLE

PROTECT EXISTING SCOREBOARD AND MAINTAIN POWER TO IT THROUGHOUT CONSTRUCTION

PROTECT AND MAINTAIN EXISTING CHAIN LINK FENCE

REMOVE AND DISPOSE OF EXISTING 6" CPP PIPE

PROTECT EXISTING STORM STRUCTURE, ADJUST FRAME AND GRATE TO FINISH GRADE PER GRADING PLAN

REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POSTS, AND FOUNDATIONS

SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT

REMOVE AND DISPOSE OF EXISTING 6" CPP PIPE

REMOVE AND DISPOSE OF EXISTING YARD DRAIN

REMOVE AND DISPOSE OF EXISTING 6" CPP PIPE

REMOVE AND DISPOSE OF EXISTING YARD DRAIN

REMOVE FULL DEPTH ASPHALT & STONE BASE (CONTRACTOR TO ASSUME 3" OF EXISTING ASPHALT & 3" OF EXISTING STONE BASE) AND STOCKPILE ON SITE. DISPOSE OF EXCESS ASPHALT MILLINGS, TYPICAL WITHIN LIMITS SHOWN.

PROTECT AND MAINTAIN EXISTING TIME CLOCK AND ASSOCIATED ELECTRICAL WIRING,REPAIR ANY DAMAGED CONDUIT/WIRING AND OR ELECTRICAL BOXES IN KIND, TYPICAL BOTH SIDES

control point – mag nail
elev. = 103.55'
NAVD 88 datum
N 810,266.94'
E 2,646,694.71'

control point – mag nail
elev. = 102.52'
NAVD 88 datum
N 810,441.71'
E 2,647,004.92'

football field

existing irrigation (approximate)

existing building

bleachers

scoreboard

flagpole

goal post

drop inlet
top = 100.96'
thrt. = 100.08'
(solid conc. top – no inv.)

catch basin
rim = 101.29'
inv. in = 97.48'

Scale in feet
0 20 40

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LORIS HIGH SCHOOL

TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date
1	BID	PG	RMH	03/17/20

DEMOLITION PLAN

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-002

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1 C-600 NEW CONCRETE PAVEMENT, EXTEND CONCRETE TO BLEACHER RAMP

CONCRETE PAVEMENT, CONTRACTOR SHALL FILL IN AREAS BETWEEN OUTSIDE PERIMETER FENCE AND EXISTING WALKWAY WITH CONCRETE PAVEMENT WITHIN LIMITS SHOWN, SEE DETAIL 1 C-600

5 C-600 42" HIGH, 12' WIDE CHAIN LINK DOUBLE GATE

5 C-600 42" HIGH, 4' WIDE CHAIN LINK SINGLE GATE

5 C-600 42" HIGH, BLACK VINYL COATED CHAIN LINK FENCE, TIE INTO EXISTING 42" HIGH FENCE

LONG/TRIPLE JUMP SAND PIT, TYPICAL OF 2 2 C-603

LONG/TRIPLE JUMP TAKE-OFF BOARDS (PAINTED), TYPICAL BOTH RUNWAYS 1 C-603

PROVIDE PROTECTIVE PADDING FOR THE TIME CLOCK POSTS, TYPICAL BOTH SIDES

5 C-600 42" HIGH, BLACK VINYL COATED CHAIN LINK FENCE, TYPICAL

2 C-602 CONCRETE PERIMETER APRON

HIGH JUMP AREA

CONCRETE CURB AT INFIELD 1 C-602

3 C-603 POLE VAULT BOX, TYPICAL OF 2

1 C-602 CONCRETE CURB AT INFIELD

CONCRETE PAVEMENT, TIE INTO EXISTING CONCRETE SIDEWALK 1 C-600

42" HIGH, 12' WIDE CHAIN LINK SLIDE GATE 4 C-600

42" HIGH, BLACK VINYL COATED CHAIN LINK FENCE, TYPICAL 5 C-600

CONCRETE PERIMETER APRON 2 C-602

400M, (8) 42" WIDE LANE RUNNING TRACK

42" HIGH, 12' WIDE CHAIN LINK DOUBLE GATE 5 C-600

DISCUS CIRCLE 9-10 C-603

DISCUS PAD 8-11 C-603

DISCUS CAGE 8,11 C-603

SHOT PUT PAD AND CIRCLE 4-5 C-603

SHOT PUT LANDING AREA 6-7 C-603

SEE ENLARGED THROWS AREA LAYOUT

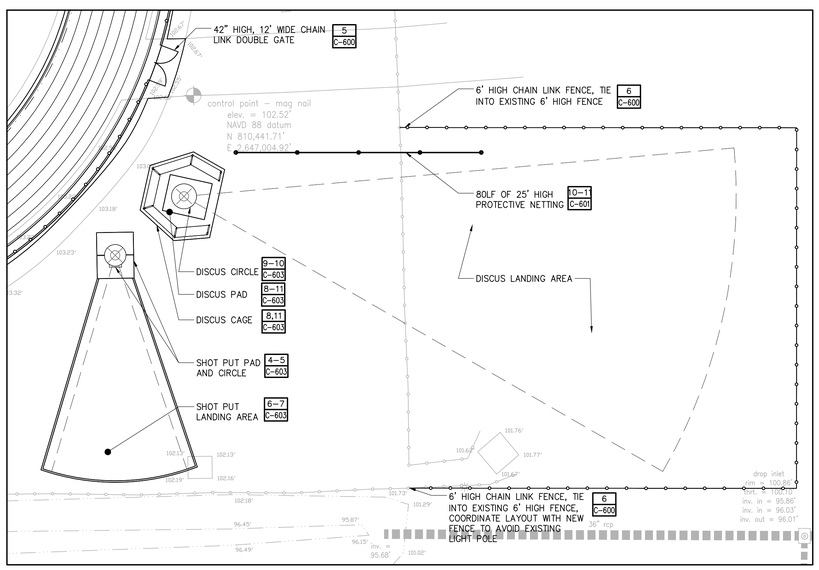
42" HIGH, 12' WIDE CHAIN LINK DOUBLE GATE 5 C-600

NEW ASPHALT PAVEMENT 3 C-600

42" HIGH, 4' WIDE CHAIN LINK SINGLE GATE 5 C-600

1 C-600 CONCRETE PAVEMENT, CONTRACTOR SHALL FILL IN AREAS BETWEEN OUTSIDE PERIMETER FENCE AND EXISTING WALKWAY WITH CONCRETE PAVEMENT WITHIN LIMITS SHOWN, SEE DETAIL

ENLARGED THROWS AREA LAYOUT
SCALE: 1"=20'



0 20 40
Scale in feet

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No.	Submittal / Revision	App'd	By	Date
1	BID	PG	RMH	03/17/20

LAYOUT PLAN

Designed By:	Drawn By:	Checked By:
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Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

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C-100

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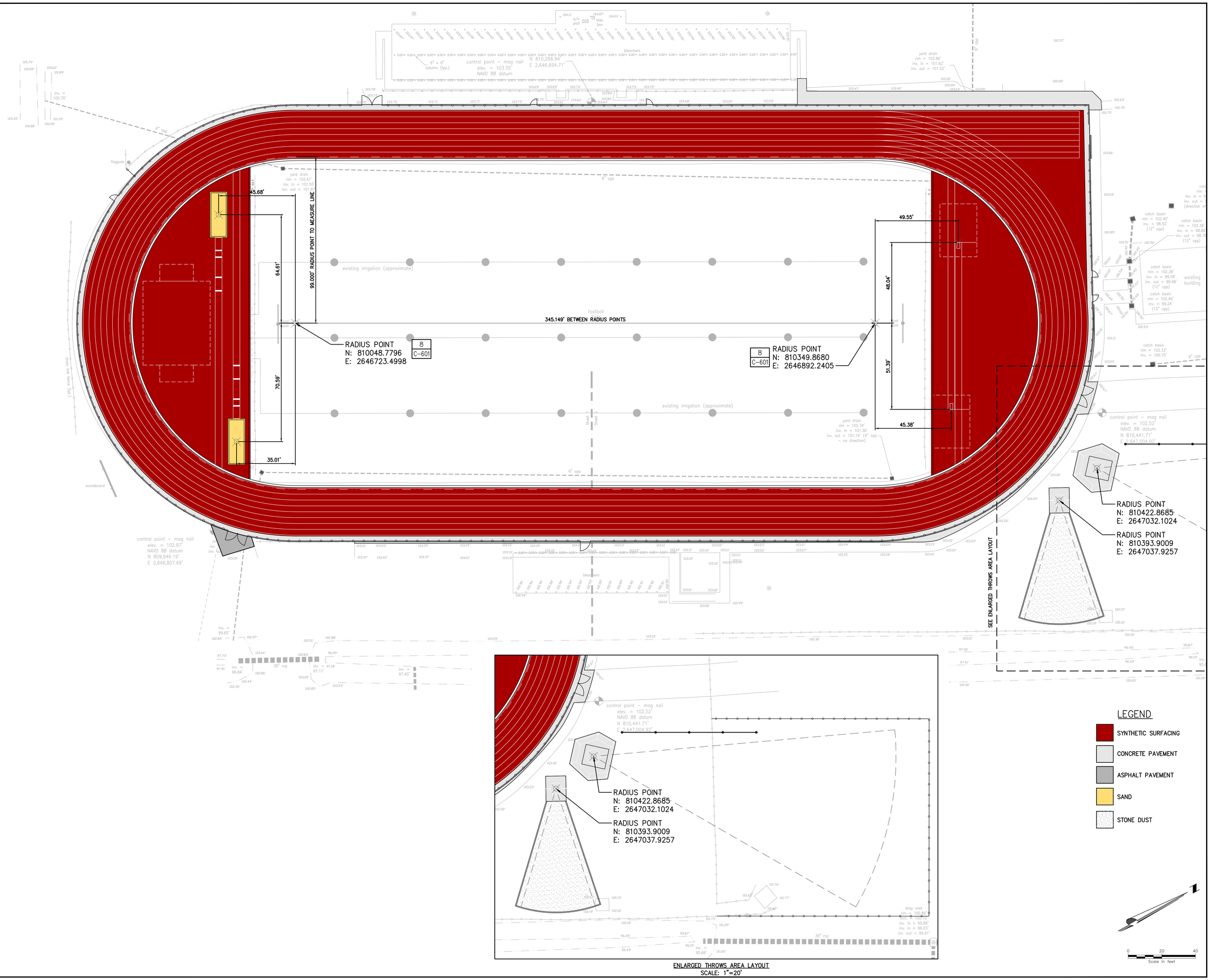

ENLARGED THROWS AREA LAYOUT
SCALE: 1"=20'

LEGEND

- SYNTHETIC SURFACING
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- SAND
- STONE DUST

0 20 40
Scale in feet

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TRACK SURFACING AND DIMENSION PLAN

Designed By:	Drawn By:	Checked By:
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Issue Date:	Project No:	Scale:
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Drawing No.:
C-101

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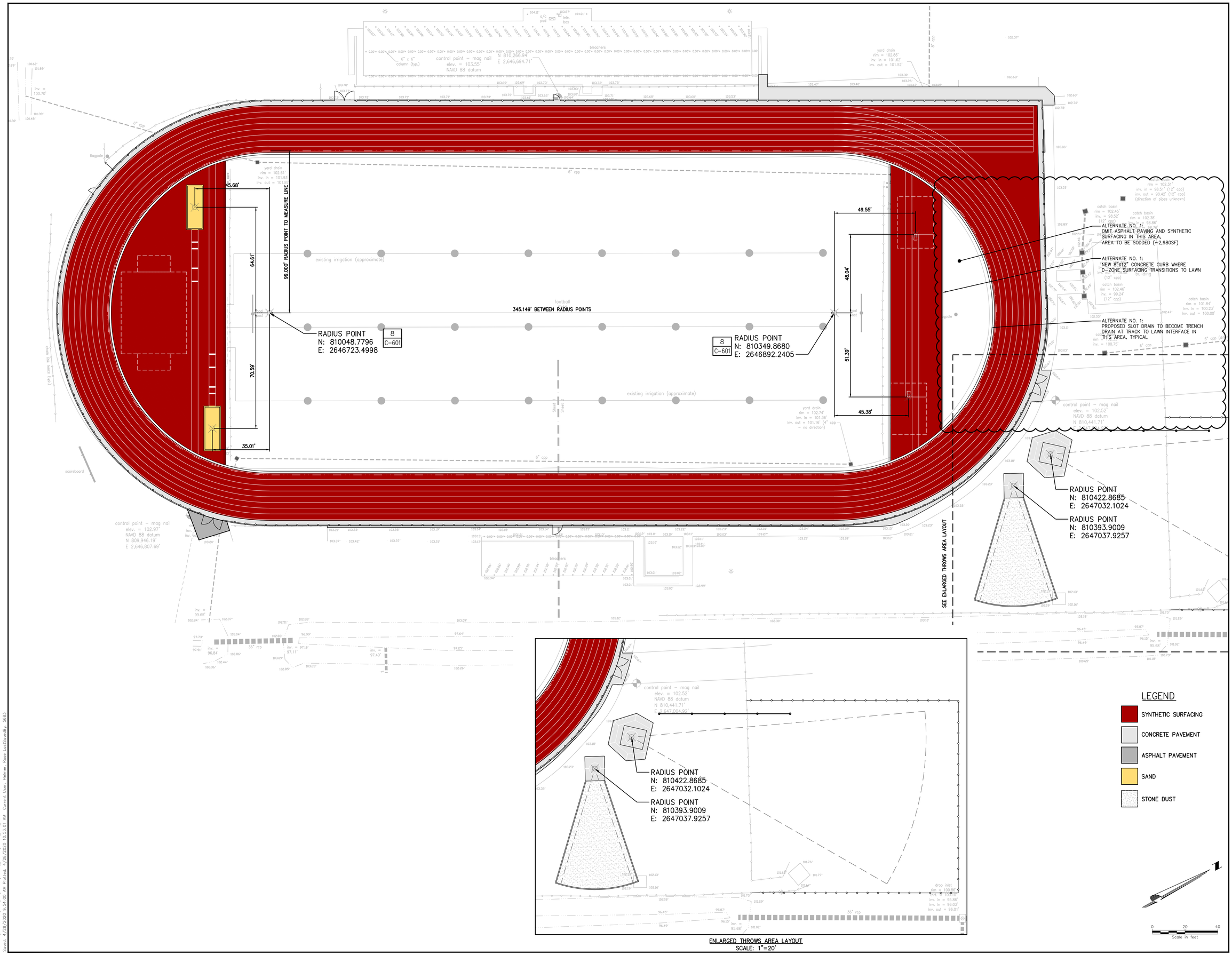

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No.	Submittal / Revision	Appr'd	By	Date

TRACK SURFACING AND DIMENSION PLAN ALTERNATE

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Issue Date:	Project No:	Scale:
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Drawing No.:
C-101A

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LEGEND

TC = TOP OF CONCRETE
TD = TOP OF DRAIN
TS = TOP OF SURFACING

MATCH EXISTING

WARP CONCRETE IN THIS AREA AND ALONG FRONT OF HOME BLEACHERS AS SHOWN TO MAINTAIN POSITIVE DRAINAGE

TIE OUT TO EXISTING GRADE, MAINTAIN POSITIVE DRAINAGE

BLEND GRADES AT INSIDE EDGE OF TRACK TO EXISTING FIELD ELEVATION AND MAINTAIN POSITIVE DRAINAGE, TOPSOIL AND SOD ALL DISTURBED AREAS, TYPICAL INSIDE TRACK LIMITS

SLOPE OUTER CONCRETE APRON AWAY FROM OUTSIDE LANE OF TRACK UNLESS OTHERWISE SHOWN

BLEND GRADES TO EXISTING LAWN AND MAINTAIN POSITIVE DRAINAGE, TOPSOIL AND SEED ALL DISTURBED AREAS, MAX SLOPE = 1:4, TYPICAL OUTSIDE TRACK LIMITS

ADJUST FRAME AND GRATE TO 102.95

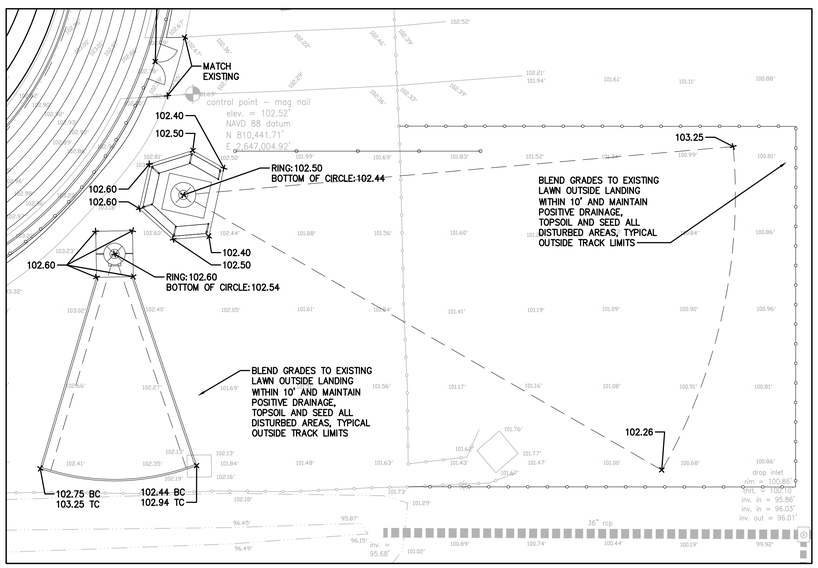
FILL IN AREA BETWEEN PROPOSED FENCE AND EXISTING CONCRETE PAVEMENT WITH NEW CONCRETE PAVEMENT. ELEVATION TO MATCH EXISTING PAVEMENT

SLOPE OUTER CONCRETE APRON AWAY FROM OUTSIDE LANE OF TRACK UNLESS OTHERWISE SHOWN

FILL IN AREA BETWEEN PROPOSED FENCE AND EXISTING CONCRETE PAVEMENT WITH NEW CONCRETE PAVEMENT.

SEE ENLARGED THROWS AREA LAYOUT

BLEND GRADES TO EXISTING LAWN OUTSIDE LANDING WITHIN 10' AND MAINTAIN POSITIVE DRAINAGE, TOPSOIL AND SEED ALL DISTURBED AREAS, TYPICAL OUTSIDE TRACK LIMITS



ENLARGED THROWS AREA GRADING
SCALE: 1"=20'

0 20 40
Scale in feet

LORIS HIGH SCHOOL

TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

GRADING PLAN

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Issue Date:	Project No:	Scale:
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Drawing No.:
C-200

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IRRIGATION LEGEND

- ROTARY SPRINKLER – PART CIRCLE 50' MIN. RADIUS
- ROTARY SPRINKLER – PART CIRCLE 50' MIN. RADIUS
- LATERAL PIPE, SIZE PER PLAN
- 5 — ELECTRIC SOLENOID VALVE

2 C-601 POWER/DATA BOXES IN CONCRETE

SEE ELECTRICAL FOR CONDUIT AND WIRING, CONTRACTOR TO PROVIDE FULL DEPTH TRACK PAVEMENT SECTION IN TRENCH

1 C-601 POWER/DATA BOXES IN LAWN

WARE CONCRETE IN THIS AREA AND ALONG FRONT OF HOME BLEACHERS AS SHOWN TO MAINTAIN POSITIVE DRAINAGE

control point – mag nail
elev. = 102.52'
NAVD 88 datum
N 810,266.94'
E 2,646,694.71'

MATCH EXISTING

TIE OUT TO EXISTING GRADE, MAINTAIN POSITIVE DRAINAGE

yard drain
rim = 102.86'
inv. in = 101.62'
inv. out = 101.52'

TRENCH DRAIN CATCH BASIN, INV. @ ~16" BELOW FINISH GRADE, TIE 6" HDPE INTO 8" STORM HEADER PIPE — 2 C-603

8' C-601 — 1½" QUICK COUPLER

1 C-601 — POWER BOX IN LAWN, SEE ELECTRICAL

2 C-603 — PRECAST POLYMER TRENCH DRAIN

50 MM UNDERDRAIN FROM JUNCTON BOX, TIE INTO PROPOSED AREA DRAIN AT 18" BELOW GRADE

8" PERF HDPE STORM HEADER PIPE, SLOPE AT 0.35%, TYPICAL

2" PVC WATER LINE, CONNECT TO EXISTING IRRIGATION MAIN LINE, CONFIRM CONNECTION WITH OWNER

18" DIA. AREA DRAIN — 3 C-601
TF: 102.86
INV.: 99.87

50 MM UNDERDRAIN @ 12" BELOW GRADE, TIE INTO PROPOSED AREA DRAIN AT 18" BELOW GRADE

4" PERF HDPE IN SAND PITS, TIE INTO 6" HDPE

SLOT DRAIN CATCH BASIN, INV. @ ~23" BELOW FINISH GRADE, TIE 6" HDPE INTO AREA DRAIN — 1 C-603

3 C-601 — 12" DIA. AREA DRAIN
TF: 102.86
INV.: 101.20

TRENCH DRAIN CATCH BASIN, INV. @ ~16" BELOW FINISH GRADE, TIE 6" HDPE INTO 8" STORM HEADER PIPE — 2 C-603

BLEND GRADES AT INSIDE EDGE OF TRACK TO EXISTING FIELD ELEVATION AND MAINTAIN POSITIVE DRAINAGE, TOPSOIL AND SOD ALL DISTURBED AREAS, TYPICAL INSIDE TRACK LIMITS

1 C-603 — SLOT DRAIN CATCH BASIN, INV. @ ~16" BELOW FINISH GRADE, TIE 6" HDPE INTO AREA DRAIN

50 MM UNDERDRAIN @ 12" BELOW GRADE, TIE INTO PROPOSED AREA DRAIN AT 18" BELOW GRADE

SLOPE OUTER CONCRETE APRON AWAY FROM OUTSIDE LANE OF TRACK UNLESS OTHERWISE SHOWN

football field

goal post

existing irrigation (approximate)

EXISTING ELECTRIC VALVES, TYPICAL OF 3

1 ½" ELECTRIC VALVE WITH NEW VALVE BOX (LOCATION PER OWNER), CONNECT TO EXISTING IRRIGATION MAINLINE, MAKE ALL NECESSARY WIRING CONNECTIONS BACK TO EXISTING CONTROLLER — 12 C-601

8" PERF HDPE STORM HEADER PIPE, SLOPE AT 0.35%

18" DIA. AREA DRAIN — 3 C-601
TF: 102.86
INV.: 99.24

CONTRACTOR TO ADD IRRIGATION ALONG THE ENTIRE LENGTH OF THE INSIDE OF THE TRACK TO COVER 30' MIN. OFF TRACK TRENCH DRAIN, PROVIDE (2) SEPARATE ZONES INCLUDING VALVES, LATERALS, HEADS, ETC. CONNECT TO EXISTING IRRIGATION SYSTEM, TYPICAL BOTH SIDES OF TRACK (ASSUME APPROXIMATELY 25,000 SF OF COVERAGE TOTAL)

TRENCH DRAIN CATCH BASIN, INV. @ ~23" BELOW FINISH GRADE, TIE 6" HDPE INTO 8" STORM HEADER PIPE — 2 C-603

9" PERF HDPE STORM HEADER PIPE, SLOPE AT 0.35% TYPICAL

1 C-603 — SLOT DRAIN CATCH BASIN, INV. @ ~23" BELOW FINISH GRADE, TIE 6" HDPE INTO AREA DRAIN

50 MM UNDERDRAIN @ 12" BELOW GRADE, TIE INTO PROPOSED AREA DRAIN AT 18" BELOW GRADE

1 C-603 — PRECAST POLYMER SLOT DRAIN

3 C-601 — 12" DIA. AREA DRAIN
TF: 102.86
INV.: 100.28

50 MM UNDERDRAIN @ 12" BELOW GRADE, TIE INTO PROPOSED AREA DRAIN AT 18" BELOW GRADE

1 C-603 — SLOT DRAIN CATCH BASIN, INV. @ ~23" BELOW FINISH GRADE, TIE 6" HDPE INTO AREA DRAIN

3 C-601 — 12" DIA. AREA DRAIN
TF: 102.86
INV.: 99.09

BLEND GRADES TO EXISTING LAWN AND MAINTAIN POSITIVE DRAINAGE, TOPSOIL AND SEED ALL DISTURBED AREAS, MAX SLOPE = 1:4, TYPICAL OUTSIDE TRACK LIMITS

ADJUST FRAME AND GRATE TO 102.95

control point – mag nail
elev. = 102.97'
NAVD 88 datum
N 809,946.19'
E 2,646,807.69'

MATCH EXISTING

TRANSITION TO 4" SOLID HDPE PIPE OUTSIDE FRENCH DRAIN, SLOPE @ 0.5% MIN., TIE INTO PROPOSED 8" HDPE WITH WYE CONNECTION

EXISTING IRRIGATION MAINLINE

EXISTING IRRIGATION CONTROLLER

8" SOLID HDPE, SLOPE AT 0.35%

13 C-601 — FLARED END SECTION, INV. 98.73

~12" WIDE X 18" DEEP FRENCH DRAIN WITH 4" PERF HDPE PIPE, TYPICAL WHERE SHOWN — 4 C-602

POTABLE YARD HYDRANT, CONFIRM LOCATION WITH OWNER

CONNECT 3" PEX WATER LINE TO EXISTING 2" POTABLE WATER LINE WITH TEE AND VALVE, CONFIRM LOCATION OF EXISTING WATER LINE WITH OWNER

FILL IN AREA BETWEEN PROPOSED FENCE AND EXISTING CONCRETE PAVEMENT WITH NEW CONCRETE PAVEMENT. bleachers — 4 C-601

SLOPE OUTER CONCRETE APRON AWAY FROM OUTSIDE LANE OF TRACK UNLESS OTHERWISE SHOWN

FILL IN AREA BETWEEN PROPOSED FENCE AND EXISTING CONCRETE PAVEMENT WITH NEW CONCRETE PAVEMENT.

SLOPE OUTER CONCRETE APRON AWAY FROM OUTSIDE LANE OF TRACK UNLESS OTHERWISE SHOWN

FILL IN AREA BETWEEN PROPOSED FENCE AND EXISTING CONCRETE PAVEMENT, TIE IN NEW CONCRETE PAVEMENT ELEVATION TO MATCH EXISTING PAVEMENT

existing building

control point – mag nail
elev. = 102.52'
NAVD 88 datum
N 810,441.71'
E 2,647,004.92'

RING: 102.50
BOTTOM OF CIRCLE: 102.44

2" SOLID PVC FROM DISCUS CIRCLE, TIE INTO 4" HDPE

4" SOLID HDPE TIE INTO 3'x 3'x 3' GRAVEL SUMP — 9 C-601

RING: 102.60
BOTTOM OF CIRCLE: 102.54

4" PERF HDPE FROM SHOT PUT PAD, TIE INTO 2" PVC

2" SOLID PVC FROM SHOT PUT PAD, TIE INTO 4" HDPE

BLEND GRADES TO EXISTING LAWN OUTSIDE LANDING WITHIN 10' AND MAINTAIN POSITIVE DRAINAGE, TOPSOIL AND SEED ALL DISTURBED AREAS, TYPICAL OUTSIDE TRACK LIMITS

SEE ENLARGED THROWS AREA LAYOUT

ENLARGED THROWS AREA DRAINAGE
SCALE: 1"=20'

0 20 40
Scale in feet

LORIS HIGH SCHOOL

TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

DRAINAGE AND UTILITY PLAN

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-300

File: V:\PROJECTS\ANY\CVS\36108\CAD_ACAD\C-300_LHS.DWG
Saved: 2/21/2020 11:53:07 AM Plotted: 2/28/2020 10:41:51 AM Current User: Hilmer, Rose Last Saved By: 5683

SEEDING NOTES:

1. INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
2. NOT REQUIRED ON SHOULDERS, MEDIANS, ETC.., AND SLOPES UNDER 5 FEET IN HEIGHT.
3. GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.
4. RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05. DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
5. PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.
6. THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.
7. GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.

SEEDING SCHEDULE FOR TEMPORARY VEGETATION		Ds3	
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	COMMON BERMUDA (HULLED)	210	MARCH 16 TO AUG. 31
	TALL FESCUE	140	
2	COMMON BERMUDA (UNHULLED)	175	SEPT. 1 TO MARCH 15
	ANNUAL RYEGRASS	175	

NOTES:

THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.

SEEDING SCHEDULE FOR PERMANENT VEGETATION				
SCHEDULE NO.	COMMON NAME OF SEED	RURAL RATE	URBAN RATE[1]	PLANTING DATES
3[3]	COMMON BERMUDA (HULLED)[2]	30	30	MARCH 1 TO AUG. 14
	WEEPING LOVEGRASS[2]	10	10	
	SERICEA LESPEDEZA (SCARIFIED)[2]	50	50	
4[3]	COMMON BERMUDA (UNHULLED)[2]	40	40	AUG. 5 TO FEB. 28
	WEEPING LOVEGRASS[2]	10	10	
	SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED)[2]	80	80	
	RESEEDING CRIMSON CLOVER[4]	20	0	
	RYE GRAIN	20	0	

NOTES:

1 INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.

2 NOT REQUIRED ON SHOULDERS, MEDIANS, ECT., AND SLOPES UNDER 5 FEET IN HEIGHT

3 GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.

4 RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05. DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.

5 PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.

THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.

THE CONTRACTOR MAY INCLUDE QUANTITIES OF RYE GRAIN AND MILLET IN SCHEDULE 1 AND 3 IN ORDER TO ESTABLISH QUICK GROUND COVER FOR EROSION CONTROL PURPOSES.

SEEDING SCHEDULE FOR TEMPORARY VEGETATION			
SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	ANNUAL SUDAN GRASS (SWEET OR TIFF)	40	APRIL 1- AUGUST 15
2	BROWN TOP MILLET	50	APRIL 1- AUGUST 15
3	RYE GRAIN	55	AUGUST 16- MARCH 31

OAT GRAIN IS TO BE ADDED TO ALL SCHEDULES, IF SEEDING DATE IS BETWEEN MARCH 1 AND APRIL 16, AT THE RATE OF 10 POUNDS PER ACRE.

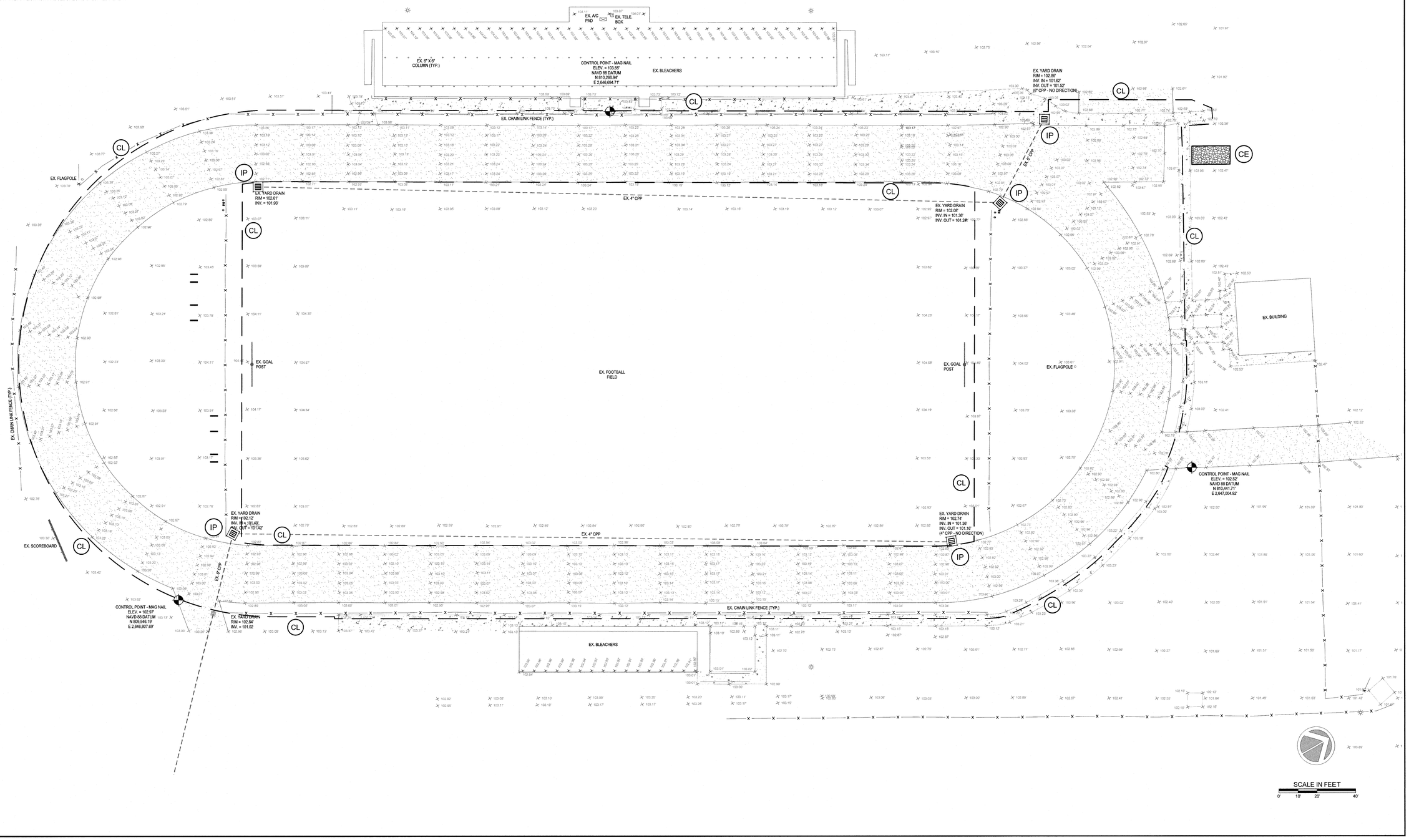
THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF VEGETATION THAT IS CAPABLE OF EROSION CONTROL. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED RESULTS. THE TEMPORARY VEGETATION SHALL PROVIDE MINIMUM DENSITY COVERAGE OF 70% OF THE SEEDED AREA.

CONSTRUCTION SEQUENCE:

1. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WITHIN AND IMMEDIATELY ADJACENT TO PROJECT AREA.
2. INSTALL CONSTRUCTION ENTRANCE.
3. INSTALL PERIMETER EROSION CONTROL DEVICES, INCLUDING ALL TREE PROTECTION.
4. DEMO EXISTING TRACK AND APPURTENANCES.

EROSION CONTROL LEGEND

SYMBOL	PRACTICE	DESCRIPTION
IP	INLET PROTECTION	A TEMPORARY SEDIMENT BARRIER LAID AROUND A STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
OP	OUTLET PROTECTION	RIP RAP CHANNEL / BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION, AND STABILIZE GRADES DOWNSTREAM OF OUTLET STRUCTURES.
CD	TEMPORARY CHECK DAM	RIP RAP BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OF DRAINAGE OUTLETS.
SF	SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
SF_2	DOUBLE ROW SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF, CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
CL	CONSTRUCTION LIMITS	A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION.
ECB	PERMANENT EROSION CONTROL MATTING (HIGH PERFORMANCE TRM PYRAMAT BY SI GEOSOLUTIONS OR EQUAL)	A PERMANENT REINFORCEMENT MAT TO PREVENT SOIL EROSION AND MAINTAIN PERMANENT GROUND COVER.
Ds3	DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION)	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.
ST	SEDIMENT TUBE	SEDIMENT TUBE PLACED IN EXISTING OR PROPOSED DITCH SECTIONS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OR DRAINAGE OUTLETS.



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HORRY COUNTY SCHOOLS

OFFICE OF FACILITIES
1160 E. HIGHWAY 501
CONWAY, SC 29526

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
DDC ENGINEERS, INC. No. C00036

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 29814
ERIC K. SANFORD

LORIS HIGH SCHOOL
TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

SEDIMENT AND EROSION CONTROL PLAN
PHASE I

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	1" = 20'

Drawing No.:
C-500

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6. THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.
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SEEDING SCHEDULE FOR TEMPORARY VEGETATION | Ds3

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SEEDING SCHEDULE FOR PERMANENT VEGETATION

SCHEDULE NO.	COMMON NAME OF SEED	RURAL RATE	URBAN RATE[1]	PLANTING DATES
3[3]	COMMON BERMUDA (HULLED)[7]	30	30	MARCH 1 TO AUG. 14
	WEEPING LOVEGRASS[2]	10	10	
	SERICEA LESPEDEZA (SCARIFIED)[2]	50	50	
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SEEDING SCHEDULE FOR TEMPORARY VEGETATION

SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
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CONSTRUCTION SEQUENCE:

1. EXCAVATE END ZONE TRACK EXTENSION AREA.
2. INSTALL UNDER DRAINAGE SYSTEM.
3. FINE GRADE TRACK AND INFIELD AREAS.
4. PAVE TRACK AND INSTALL SYNTHETIC SURFACING.
5. PAINT TRACK LINES AND FINISH REMAINING SITE IMPROVEMENTS.
6. GRADE AND SEED PERIMETER TIE IN POINTS.
7. FINAL STABILIZATION OF ALL DENUDED AREAS.
8. PER SEEDING SCHEDULE, WATER AND MAINTAIN TO INSURE PROPER GROUND COVERAGE.
9. UPON APPROVAL BY HORRY COUNTY, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

EROSION CONTROL LEGEND

SYMBOL	PRACTICE	DESCRIPTION
IP	INLET PROTECTION	A TEMPORARY SEDIMENT BARRIER LAID AROUND A STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
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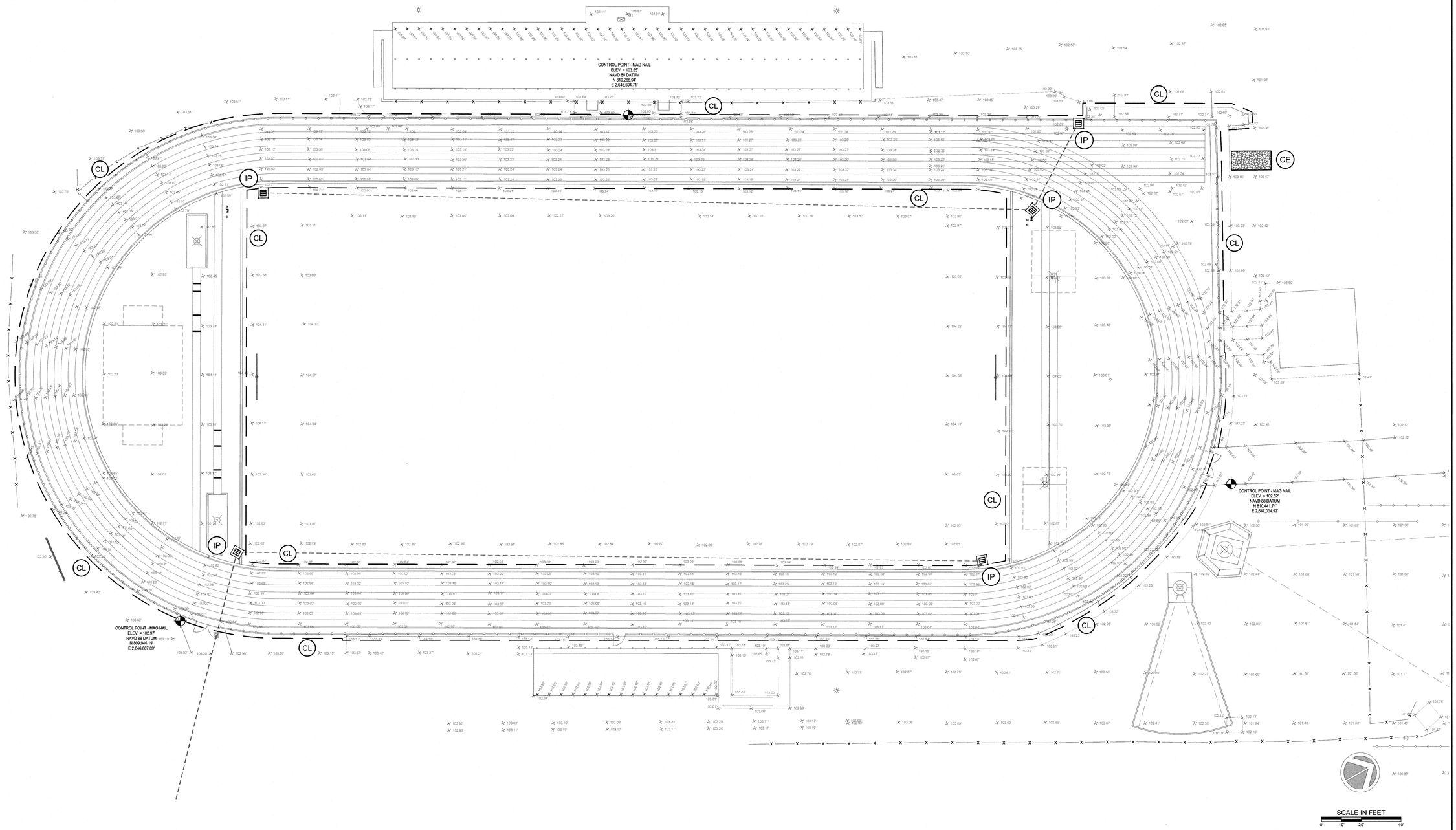

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1160 E. HIGHWAY 501
CONWAY, SC 29526

LORIS HIGH SCHOOL
TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

SEDIMENT AND EROSION CONTROL PLAN
PHASE II

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	1" = 20'

Drawing No.:
C-501

File: J:\PLANS\19\19062E - HORRY COUNTY SCHOOLS\E\LORIS--TRACK\19062--LORIS--TRACK--ERO--PLAN.DWG
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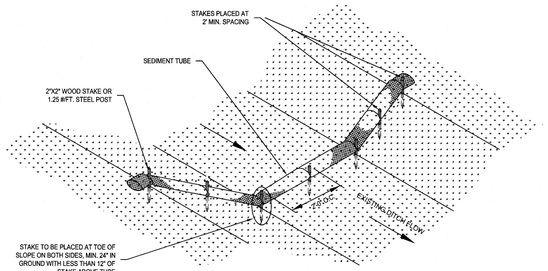

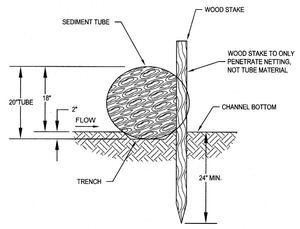

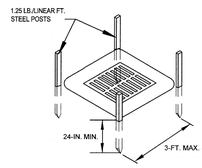

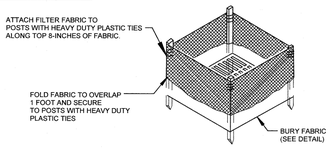

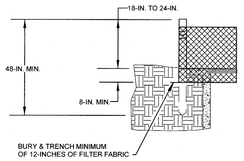

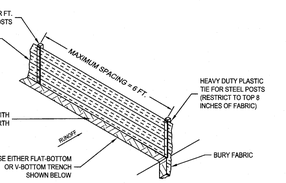

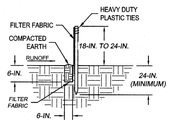

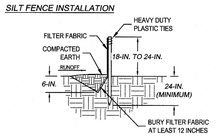

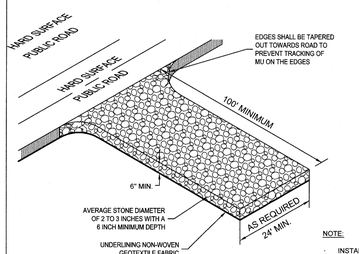

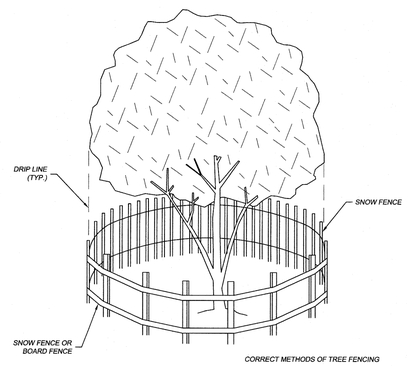

SEDIMENT TUBE CHECK DAM DETAIL (NO BLANKET)

1 1/8" x 1 1/8" x 48" WOODEN STAKES ARE RECOMMENDED FOR 20" SEDIMENT LOGS.

STAKE DETAIL (WITH TRENCH)

SEDIMENT TUBES - GENERAL NOTES

1. SEDIMENT TUBES MAY BE INSTALLED ALONG CONTOURS, IN DRAINAGE CONVEYANCE CHANNELS, AND AROUND INLETS TO HELP PREVENT OFF SITE DISCHARGE OF SEDIMENT LADEN STORM WATER RUNOFF.
2. SEDIMENT TUBES ARE ELONGATED TUBES OF COMPACTED GEOTEXTILES, CURLED EXCELSIOR WOOD, NATURAL COCONUT FIBER, OR HARDWOOD MULCH. STRAW, PINE NEEDLE AND LEAF MULCH FILLED SEDIMENT TUBES ARE NOT PERMITTED.
3. THE OUTER NETTING OF THE SEDIMENT TUBE SHOULD CONSIST OF SEAMLESS, HIGH DENSITY POLYETHYLENE PHOTODEGRADABLE MATERIALS TREATED WITH ULTRAVIOLET STABILIZERS OR A SEAMLESS, HIGH DENSITY POLYETHYLENE NON DEGRADABLE MATERIAL.
4. SEDIMENT TUBES, WHEN USED AS CHECKS WITHIN CHANNELS, SHOULD RANGE BETWEEN 18 INCHES AND 24 INCHES DEPENDING ON CHANNEL DIMENSIONS. DIAMETERS OUTSIDE THIS RANGE MAY BE ALLOWED WHERE NECESSARY WHEN APPROVED.
5. CURLED EXCELSIOR WOOD, OR NATURAL COCONUT PRODUCTS THAT ARE ROLLED UP TO CREATE A SEDIMENT TUBE ARE NOT ALLOWED.
6. SEDIMENT TUBES SHOULD BE STAKED USING WOODEN STAKES (2" X 2") OR STEEL POSTS (STANDARD "U" OR "T" SECTIONS WITH A MINIMUM WEIGHT OF 1.25 POUNDS PER FOOT) AT A MINIMUM OF 48 INCHES IN LENGTH PLACED ON 2 FOOT CENTERS.
7. INSTALL ALL SEDIMENT TUBES TO ENSURE THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE TUBE. MANUFACTURER'S RECOMMENDATIONS SHOULD ALWAYS BE CONSULTED BEFORE INSTALLATION.
8. THE ENDS OF ADJACENT SEDIMENT TUBES SHOULD BE OVERLAPPED 6 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT.
9. SEDIMENT TUBES SHOULD NOT BE STACKED ON TOP OF ONE ANOTHER, UNLESS RECOMMENDED BY MANUFACTURER.
10. EACH SEDIMENT TUBE SHOULD BE INSTALLED IN A TRENCH WITH A DEPTH EQUAL TO 1/5 THE DIAMETER OF THE SEDIMENT TUBE.
11. SEDIMENT TUBES SHOULD CONTINUE UP THE SIDE SLOPES A MINIMUM OF 1 FOOT ABOVE THE DESIGN FLOW DEPTH OF THE CHANNEL.
12. INSTALL STAKES AT A DIAGONAL FACING INCOMING RUNOFF.

SEDIMENT TUBES - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SEDIMENT TUBES IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SEDIMENT TUBES SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE SEDIMENT TUBE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SEDIMENT TUBE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. LARGE DEBRIS, TRASH AND LEAVES SHOULD BE REMOVED FROM IN FRONT OF TUBES WHEN FOUND.
7. IF EROSION CAUSES THE EDGES TO FALL TO A HEIGHT EQUAL TO OR BELOW THE HEIGHT OF THE SEDIMENT TUBE, REPAIRS SHOULD BE MADE IMMEDIATELY TO PREVENT RUNOFF FROM BYPASSING TUBE.
8. SEDIMENT TUBES SHOULD BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN COMPLETELY STABILIZED. PERMANENT VEGETATION SHOULD REPLACE AREAS FROM WHICH SEDIMENT TUBES HAVE BEEN REMOVED.

SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET

(ST) SEDIMENT TUBE DETAIL

SCALE: N.T.S.

POST INSTALLATION DETAIL

FILTER FABRIC INSTALLATION DETAIL

FILTER FABRIC BURIAL DETAIL

TYPE A - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48 INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   - COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   - INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38 INCHES AND A NOMINAL "T" LENGTH OF 1.48 INCHES.
   - WEIGH 1.25 POUNDS PER FOOT (±8%).
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. INSTALL POSTS TO A MINIMUM OF 24 INCHES. A MINIMUM HEIGHT OF 1 TO 2 INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
4. POST SPACING SHALL BE AT A MAXIMUM OF 3 FEET ON CENTER.

TYPE A - FILTER FABRIC REQUIREMENTS

1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   - FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   - HAVE A MINIMUM WIDTH OF 36 INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12 INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24 INCHES ABOVE THE GROUND.

TYPE A - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL INLET PROTECTION IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF INLET PROTECTION SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE FILTER FABRIC IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE FILTER FABRIC. WHEN A SUMP IS INSTALLED IN FRONT OF THE FABRIC, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE SUMP.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORM WATER RUNOFF HAS ERODED A CHANNEL BENEATH THE FILTER FABRIC, BENEATH THE FILTER FABRIC, OR WHERE THE FABRIC HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE INLET PROTECTION.
7. CHECK FOR TEARS WITHIN THE FILTER FABRIC, AREAS WHERE FABRIC HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE INLET PROTECTION INEFFECTIVE. REMOVE DAMAGED FABRIC AND REINSTALL NEW FILTER FABRIC IMMEDIATELY.
8. INLET PROTECTION STRUCTURES SHOULD BE REMOVED AFTER ALL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. STABILIZE ALL BARE AREAS IMMEDIATELY.

(IP) INLET PROTECTION

SCALE: N.T.S.

SILT FENCE INSTALLATION

FLAT-BOTTOM TRENCH DETAIL

V-SHAPED TRENCH DETAIL

SILT FENCE - GENERAL NOTES:

1. DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS GREATER THAN 0.5 CFS.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100 FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
4. SILT FENCE JOINTS, WHEN NECESSARY SHALL BE COMPLETED BY ONE OF THE FOLLOWING OPTIONS:
   - WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 1 FOOT MINIMUM OVERLAP.
   - OVERLAP SILT FENCE BY INSTALLING 3 FEET PAST THE SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY DUTY PLASTIC TIES; OR
   - OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM ONE SUPPORT POST TO THE NEXT SUPPORT POST.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC.
6. INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORM WATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEAN OUT.
7. INSTALL SILT FENCE CHECKS (TIE-BACKS) EVERY 50-100 FEET, DEPENDENT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED / INSTALLED SILT FENCE.

SILT FENCE - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48 INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   - COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   - INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38 INCHES AND A NOMINAL "T" LENGTH OF 1.48 INCHES.
   - WEIGH 1.25 POUNDS PER FOOT (±8%).
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. STEEL POSTS MAY NEED TO HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM WHEN INSTALLED ALONG STEEP SLOPES OR INSTALLED IN LOOSE SOILS. THE PLATE SHOULD HAVE A MINIMUM CROSS SECTION OF 17 SQUARE INCHES AND BE COMPOSED OF 15 GAUGE STEEL, AT A MINIMUM. THE METAL SOIL STABILIZATION PLATE SHOULD BE COMPLETELY BURIED.
4. INSTALL POSTS A MINIMUM OF 24 INCHES. A MINIMUM HEIGHT OF 1 TO 2 INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
5. POST SPACING SHALL BE AT A MAXIMUM OF 6 FEET ON CENTER.

SILT FENCE - FABRIC REQUIREMENTS

1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   - FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   - HAVE A MINIMUM WIDTH OF 36 INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12 INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24 INCHES ABOVE THE GROUND.

SILT FENCE - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SILT FENCE SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORM WATER RUNOFF HAS ERODED A CHANNEL BENEATH THE SILT FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE SILT FENCE. INSTALL CHECKS/TIE-BACKS AND/OR REINSTALL SILT FENCE, AS NECESSARY.
7. CHECK FOR TEARS WITHIN THE SILT FENCE, AREAS WHERE SILT FENCE HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE SILT FENCE INEFFECTIVE. REMOVE DAMAGED SILT FENCE AND REINSTALL NEW SILT FENCE IMMEDIATELY.
8. SILT FENCE SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED AND ONCE IT IS REMOVED, THE RESULTING DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.

(SF) CONSTRUCTION OF A SILT FENCE

SCALE: N.T.S.

EROSION CONTROL NOTES:

1. TOTAL DEVELOPMENT AREA : 3.50 ± ACRES
2. DISTURBED AREA THIS PHASE: 2.40 ± ACRES
3. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
4. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:

   - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.

   - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
5. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
6. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
7. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
8. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
9. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR 100000.
10. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
11. ALL WATERS OF THE STATE (WoS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50 FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WoS. A 10 FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WoS.
12. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
13. A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
14. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
15. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
16. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
17. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
18. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:

   - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
   - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
   - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
   - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
19. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
20. IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND / OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
21. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SILT BARRIERS AND SEDIMENT CONTROL INSTALLATIONS DURING CONSTRUCTION UNTIL THE COMPLETION OF THE SITE DEVELOPMENT.
23. EROSION CONTROL DEVICES MUST BE INSTALLED IMMEDIATELY AFTER LAND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE CONTROL DEVICES MAY BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS, IF DRAINAGE PATTERNS DURING CONSTRUCTION VARY FROM THE FINAL DRAINAGE PATTERNS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE SOIL EROSION CONTROL FOR ALL DRAINAGE PATTERNS DURING ALL STAGES OF CONSTRUCTION. ALL INADEQUACIES IN SOIL EROSION CONTROL DURING ANY PHASE OF CONSTRUCTION MUST BE REPORTED IMMEDIATELY TO THE ENGINEER.
24. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING OF ALL DEVICES.
25. FAILURE TO INSTALL, OPERATE AND MAINTAIN ALL EROSION CONTROL MEASURES, AS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE ENGINEER AND/OR OCRM WILL RESULT IN ALL WORK ON THE CONSTRUCTION SITE BEING STOPPED UNTIL PROPER CORRECTIVE MEASURES HAVE BEEN MET, AS REQUIRED AND/OR DIRECTED.
26. ALL LAND DISTURBING ACTIVITIES REQUIRES COMPLIANCE UNDER THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES (PERMIT NO. SCR100000). ANY NONCOMPLIANCE WITH THESE REGULATIONS IS A VIOLATION OF THE FEDERAL CLEAN WATER ACT AND MAY REQUIRE ENFORCEMENT ACTION BY HORRY COUNTY OR SCDHEC.
27. CONTRACTOR SHALL PROVIDE A WATER TIGHT ENCLOSURE FOR STORAGE OF THE OCRM CERTIFIED PLANS AND INSPECTION REPORTS. ENCLOSURE SHALL BE LOCATED IN AN AREA ACCESSIBLE TO REGULATORY PERSONNEL.
28. ALL STOCKPILE TO BE PROTECTED WITH SILT FENCE.
29. ALL CONCRETE TO BE WASHED OUT IN AN APPROVED AREA.

NOTE:

- INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
- DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.
- ENTRANCES SHALL COMPLY WITH SCDOT STANDARD DRAWING 651-115-01

(CE) STABILIZIED CONSTRUCTION ENTRANCE

SCALE: N.T.S.

CORRECT METHODS OF TREE FENCING

TREE PROTECTION

SCALE: N.T.S.

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CONWAY, SC 29526

DDC ENGINEERS, INC.
No. C00036

No. 29814
ERIC K. SANFORD

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

LORIS HIGH SCHOOL
TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

SEDIMENT AND EROSION
CONTROL DETAILS

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	NO SCALE

Drawing No.:
C-502

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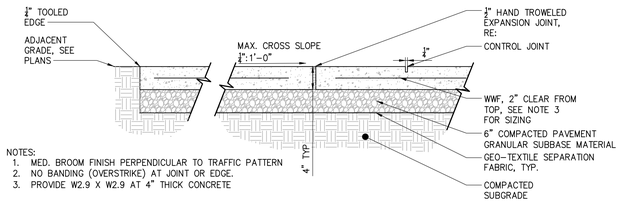

NOTES:
1. MED. BROOM FINISH PERPENDICULAR TO TRAFFIC PATTERN
2. NO BANDING (OVERSTRIKE) AT JOINT OR EDGE.
3. PROVIDE W2.9 X W2.9 AT 4" THICK CONCRETE

1 CONCRETE PAVEMENT
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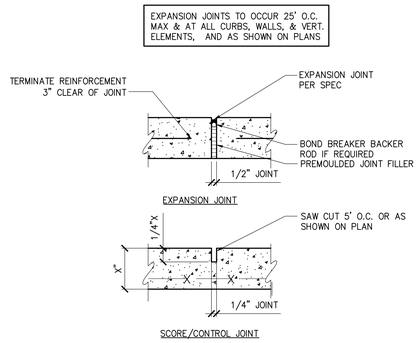
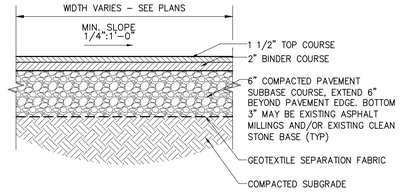


2 CONCRETE PAVEMENT
SCALE:



3 ASPHALT PAVEMENT
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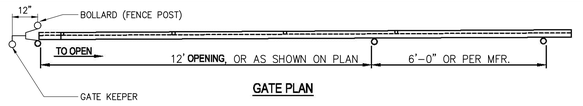
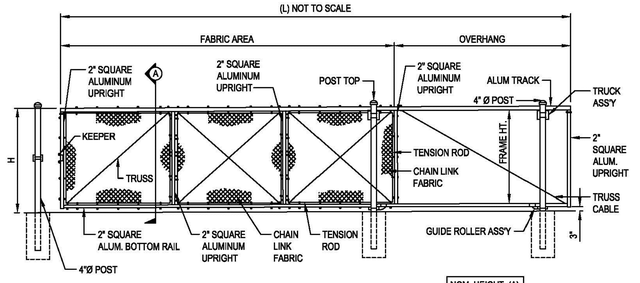


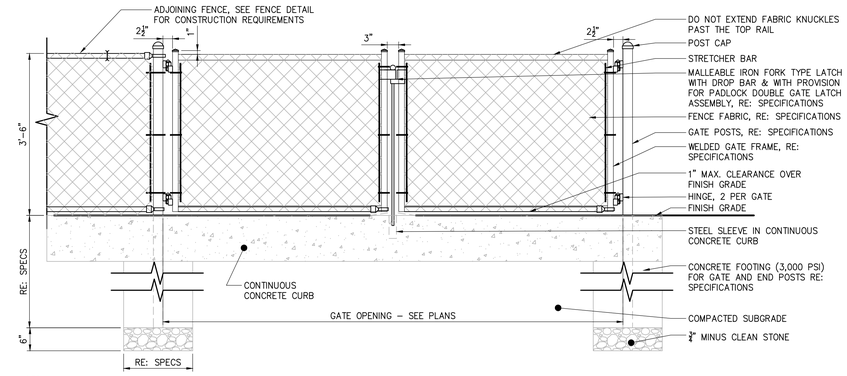
GATE PLAN

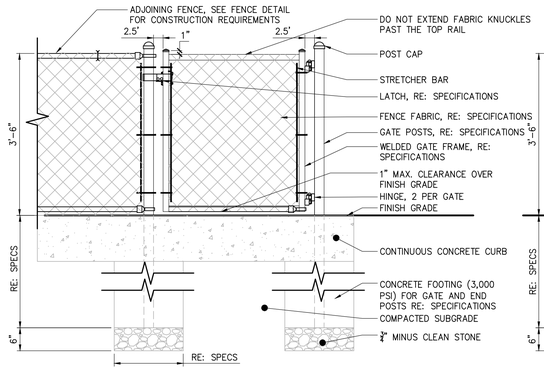


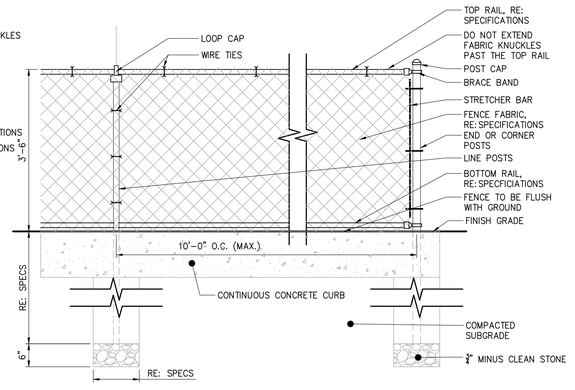
GATE SPECIFICATIONS

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
2. FOOTING WIDTH TO BE 4 X POST WIDTH
3. ALL FRAMING TO BE GALVANIZED AND ALL MESH TO MATCH COLOR
4. ROLLER COVERS REQUIRED
5. BY INTERNATIONAL GATE DEVICES OR APPROVED EQUAL
6. ENCLOSED TOP TRACK REQUIRED. EXPOSED ROLLERS ARE NOT PERMITTED.

4 42" HIGH, 12' WIDE CANTILEVER SLIDE GATE DETAIL
SCALE:

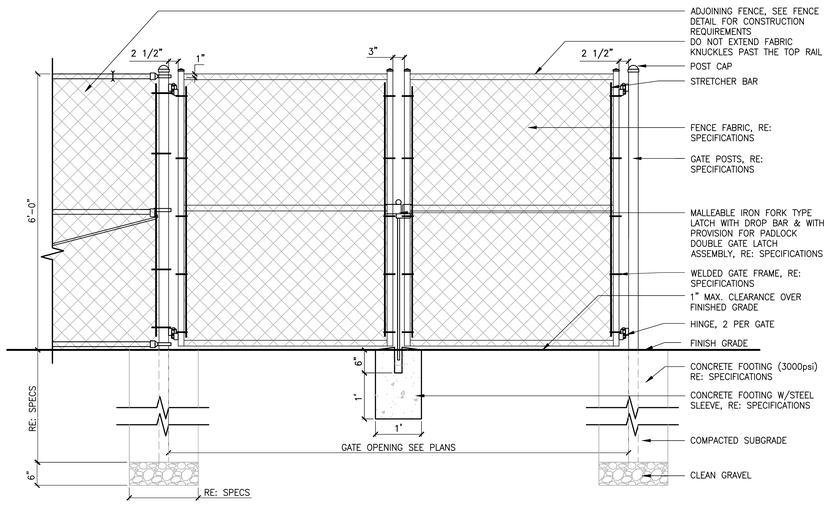


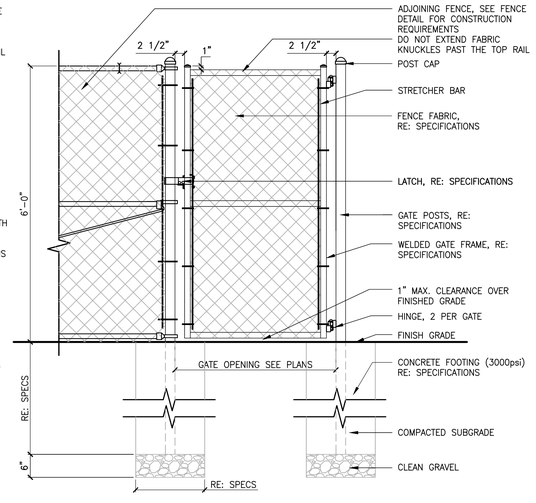


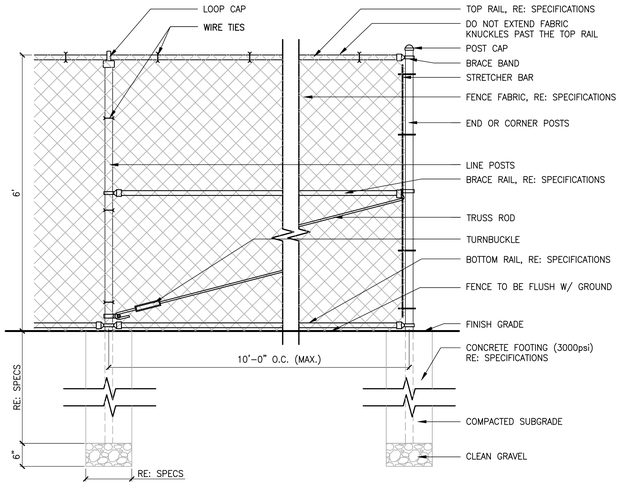


NOTES:
1. SEE SPECIFICATIONS FOR POST AND FENCE FRAME SIZING.
2. ALL POST FOOTINGS SHALL BE PER SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR FENCE FINISH REQUIREMENTS.
4. HOLD DOWN TOP OF FOOTING BELOW WALK (TYP.).

5 42" HEIGHT CHAIN LINK FENCE AND GATES DETAIL
SCALE:







NOTES:
1. SEE SPECIFICATIONS FOR POST AND FENCE FRAME SIZING.
2. ALL POST FOOTINGS SHALL BE PER SPECIFICATIONS.
3. SEE SPECIFICATIONS FOR FENCE FINISH REQUIREMENTS.
4. HOLD DOWN TOP OF FOOTING BELOW WALK (TYP.).
5. ALL CHAIN LINK FENCING SHALL HAVE A CONTINUOUS BOTTOM RAIL, NO TENSION WIRE IS ALLOWED
6. ALL CHAIN LINK FENCING, POST RAILS AND MESH/FABRIC SHALL BE BLACK POLYMER COATED. CHAIN LINK GATE POSTS AND RAILS MAY BE POWDER COATED.

6 6' HEIGHT CHAIN LINK FENCE AND GATES DETAIL
SCALE:

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LORIS HIGH SCHOOL

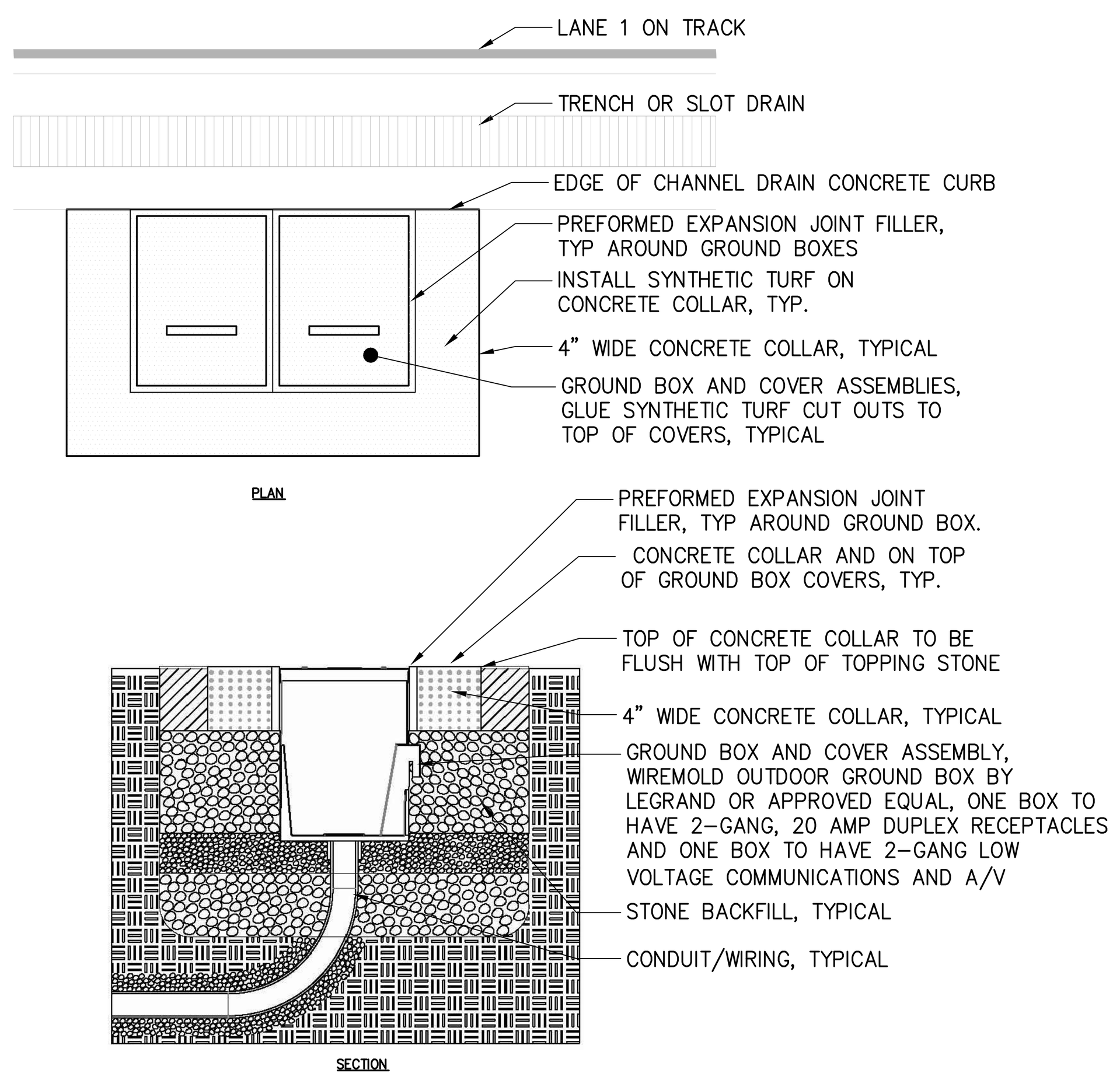
TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	Appr'd	By	Date

TRACK AND FIELD DETAILS

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-600



1 JUNCTION BOX – LAWN
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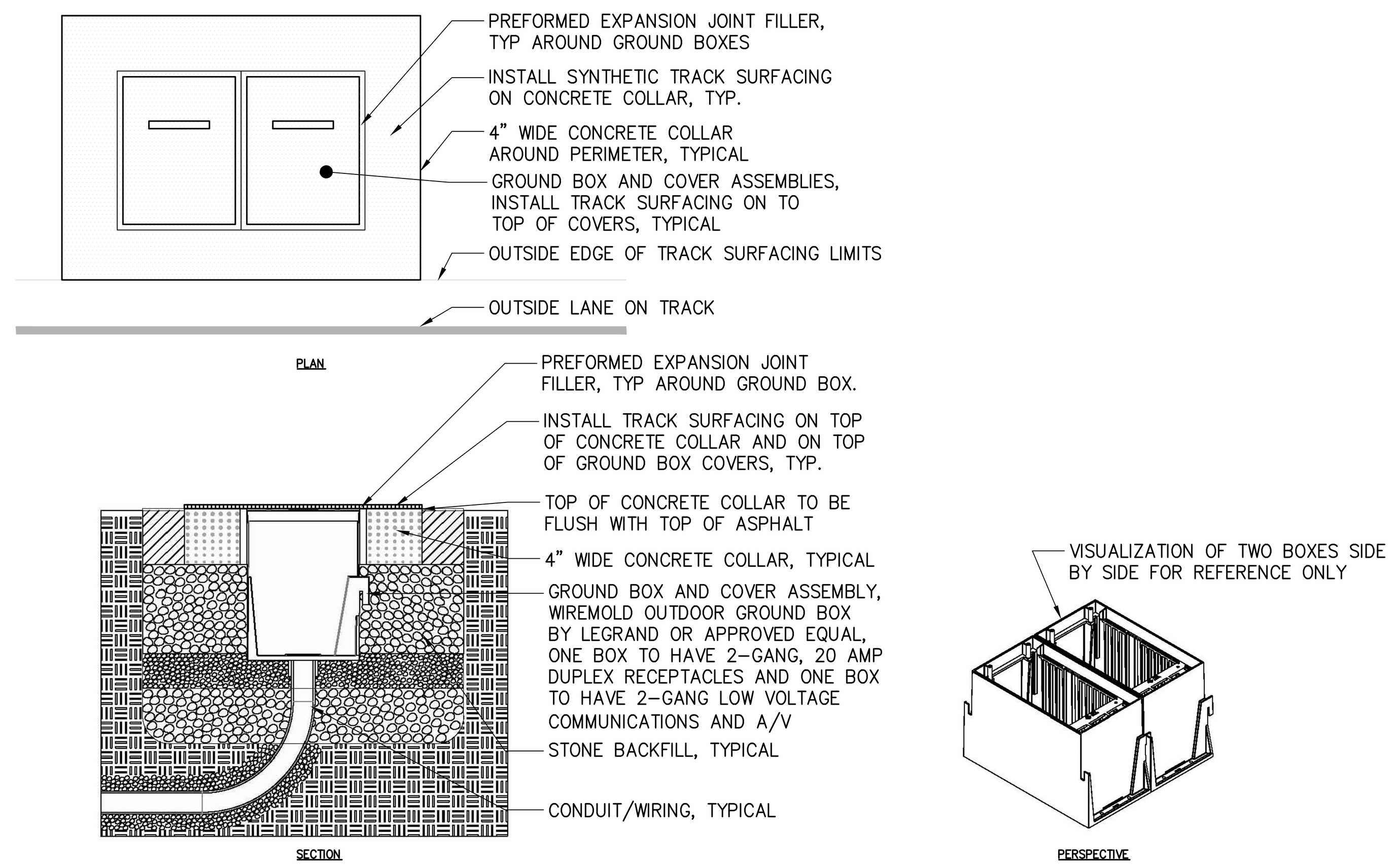
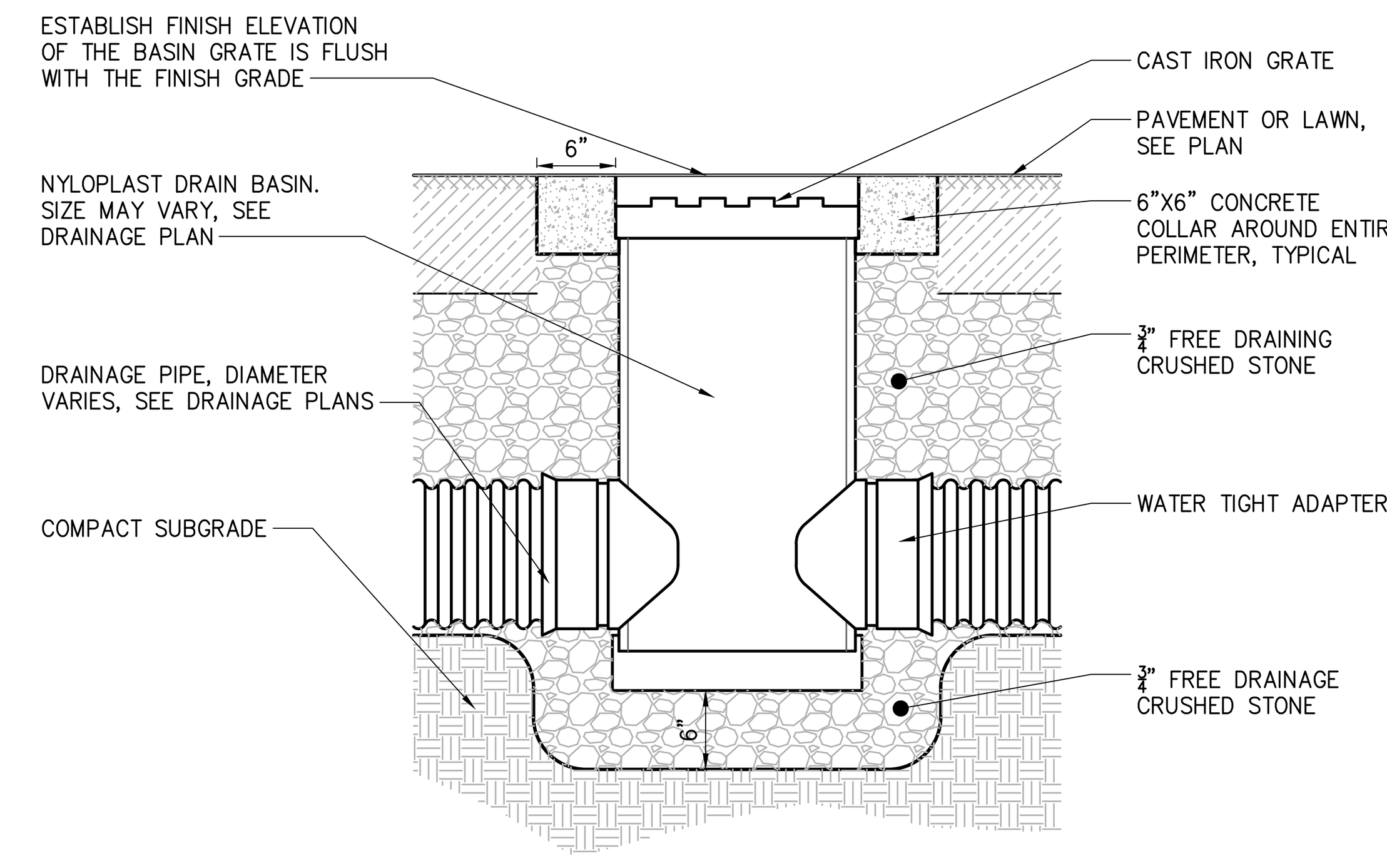


2 JUNCTION BOX – CONCRETE
SCALE:



3 AREA DRAIN
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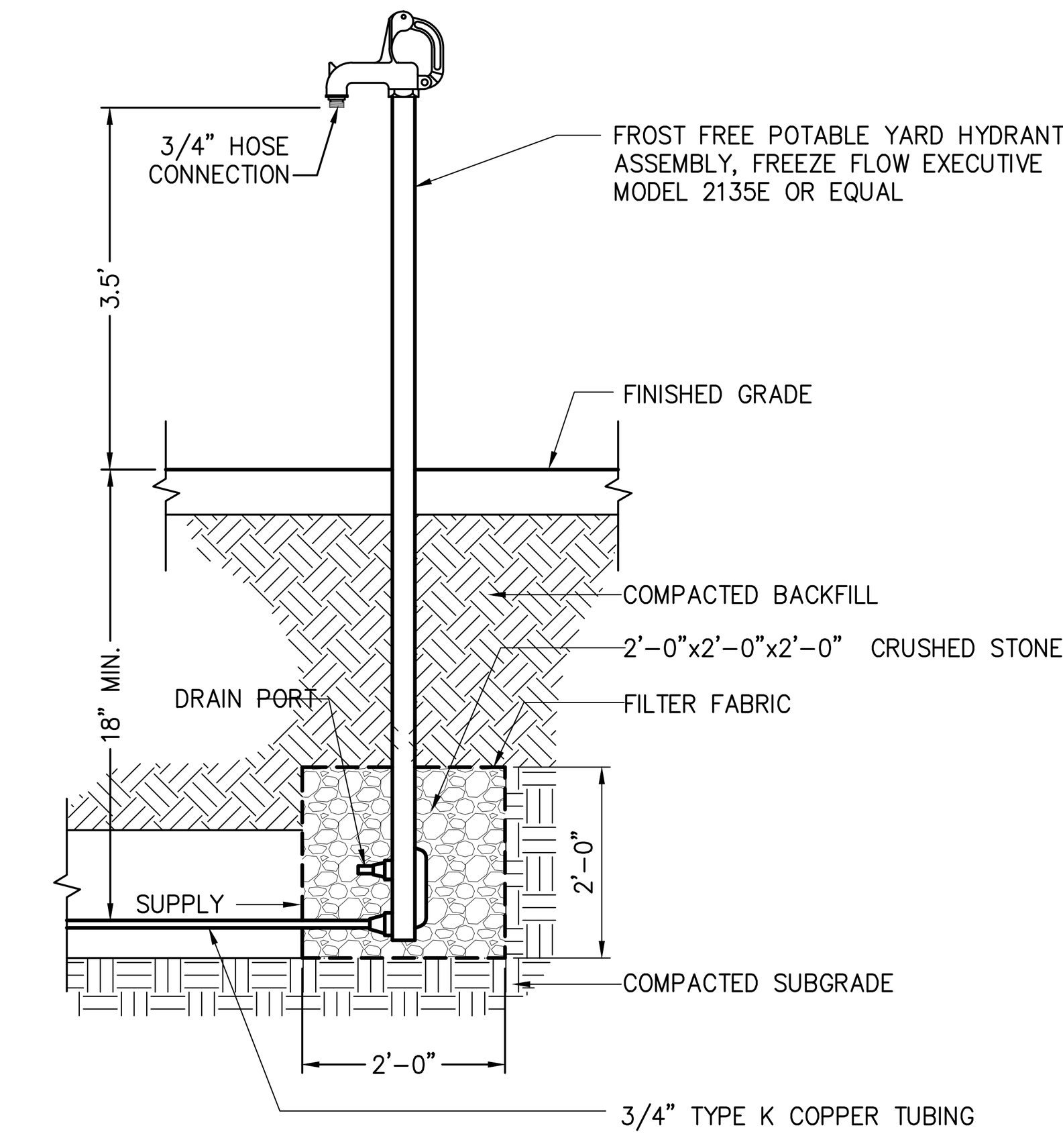

4 FROST FREE POTABLE YARD HYDRANT
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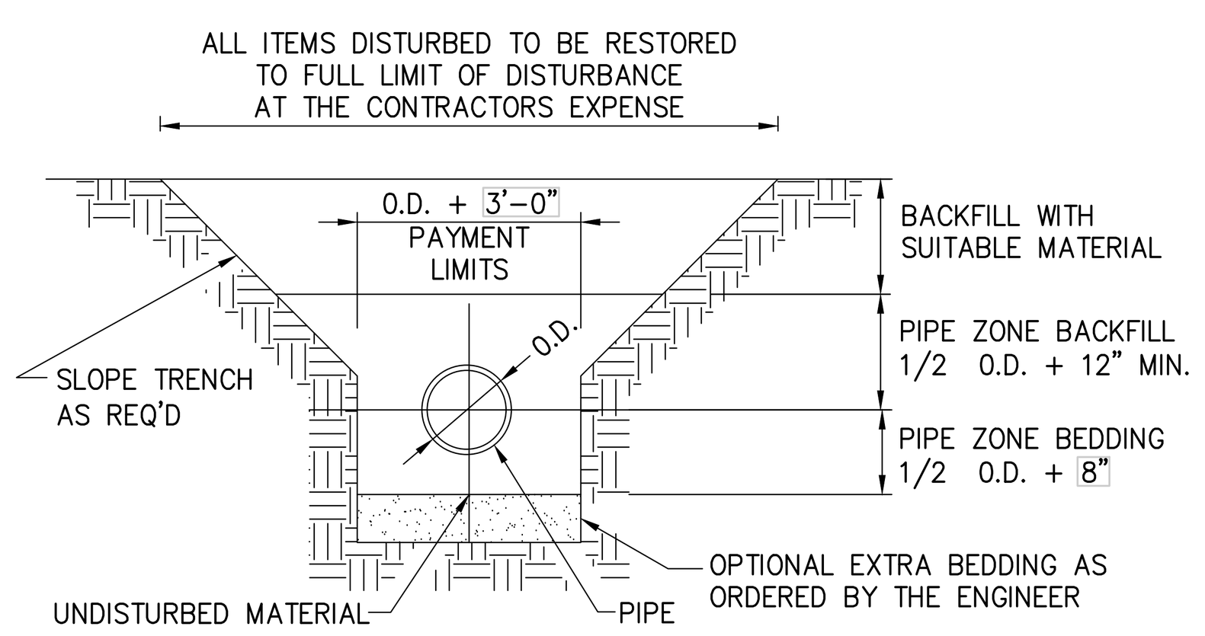
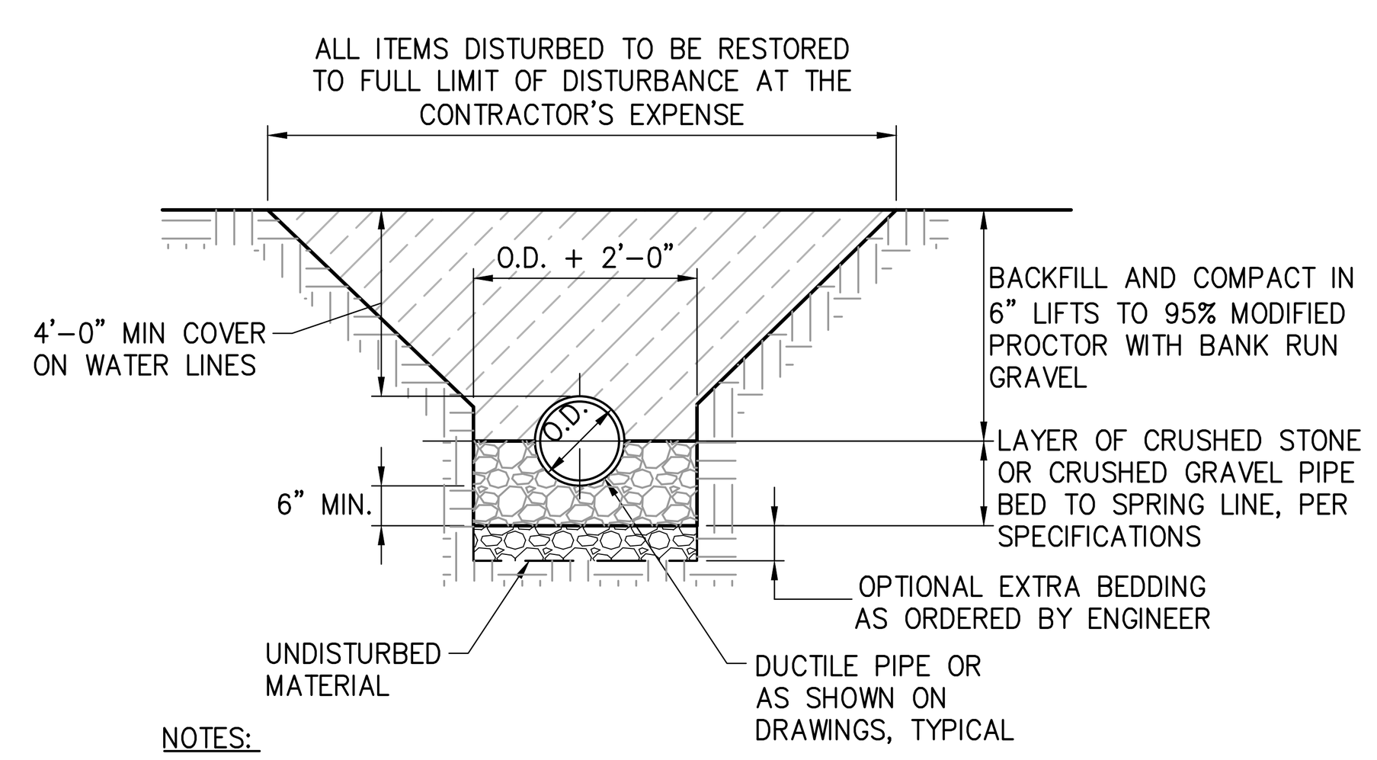


5 TYPICAL STORM TRENCH DETAIL
SCALE:

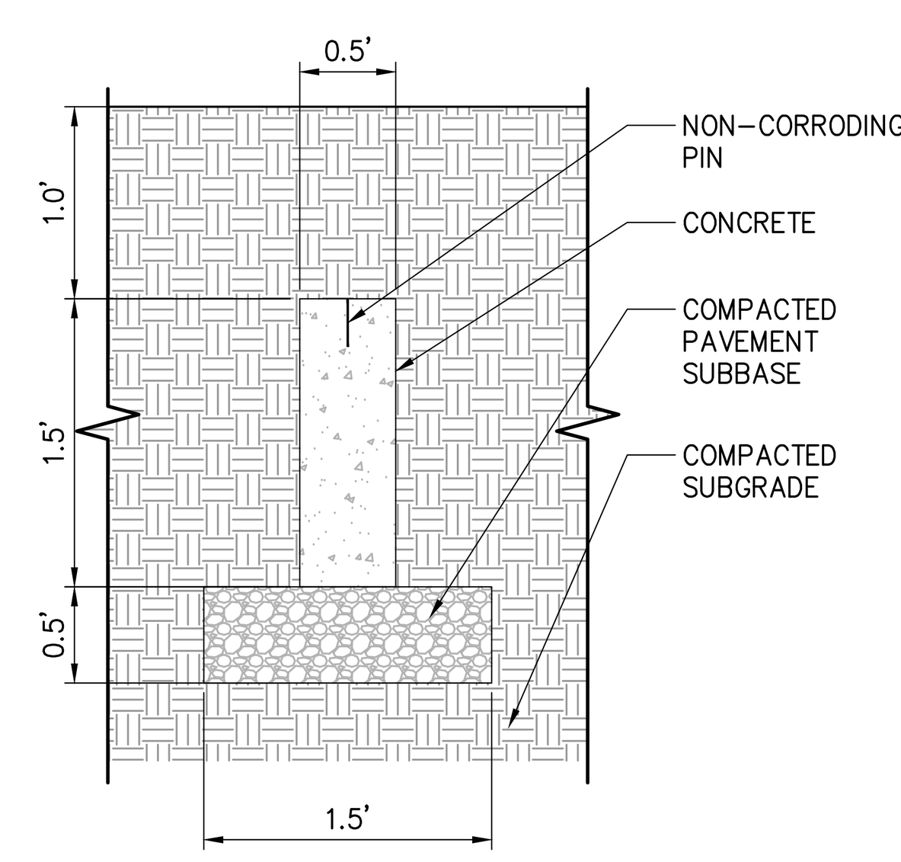


NOTES:

1. ALL BACKFILL MATERIAL COMPACTED IN 6" (MAX.) LIFTS TO 95% STANDARD PROCTOR DENSITY
2. OVEREXCAVATE AT BELLS TO PROVIDE 4" BEDDING BELOW BELLS
3. ALL TRENCH EXCAVATION SHALL MEET OSHA REQUIREMENTS AND ALL STATE AND LOCAL SAFETY REGULATIONS

6 TYPICAL WATER PIPE TRENCH DETAIL
SCALE:

NOTE:
1. PROVIDE LOCATION PINS IN OUTSIDE CONCRETE CURBS AT 4 POINTS OF CURVATURE (PC'S) AND APEX OF BOTH TURNS



7 TRACK RADIUS MOMUNMENT POINT DETAIL
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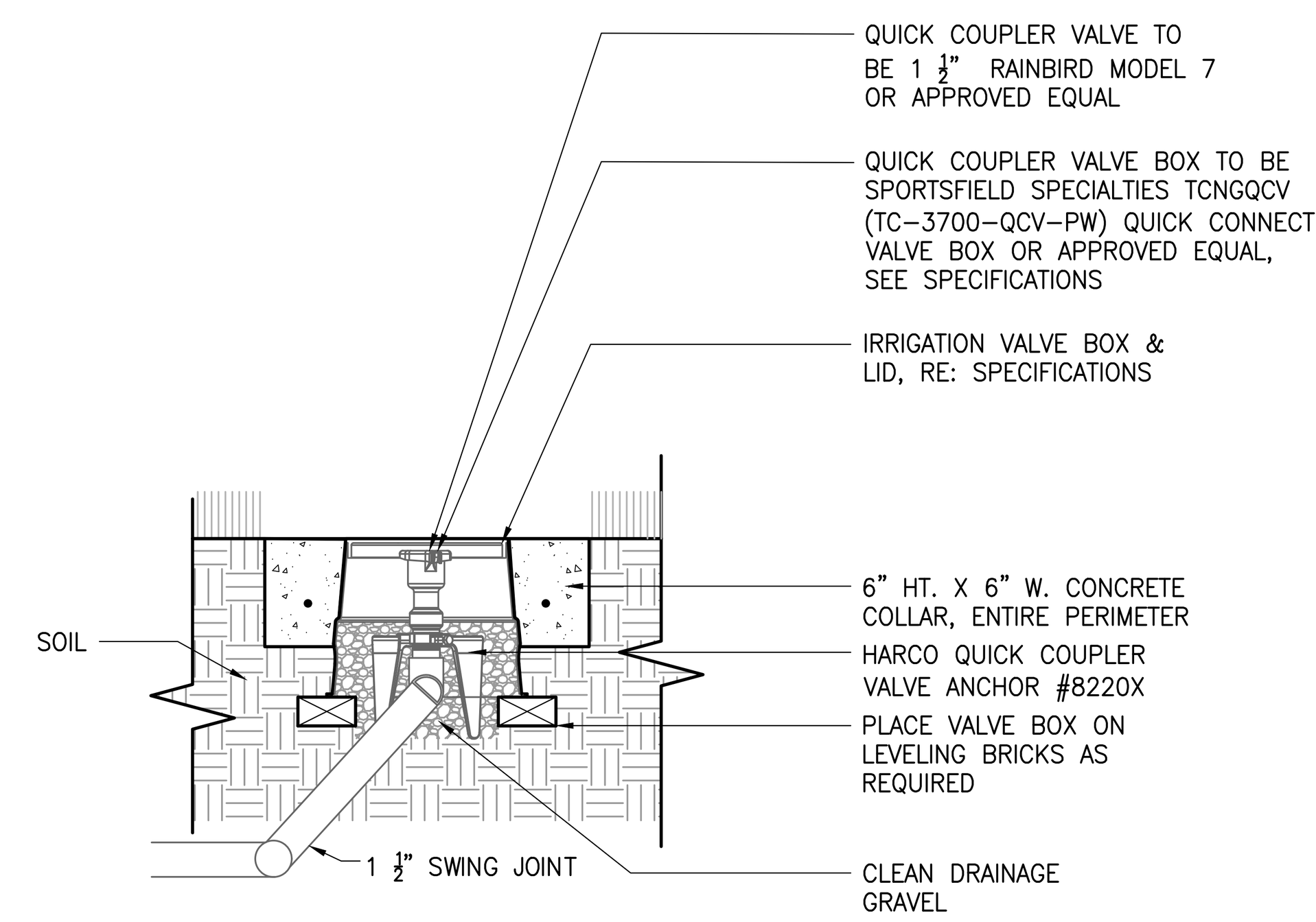
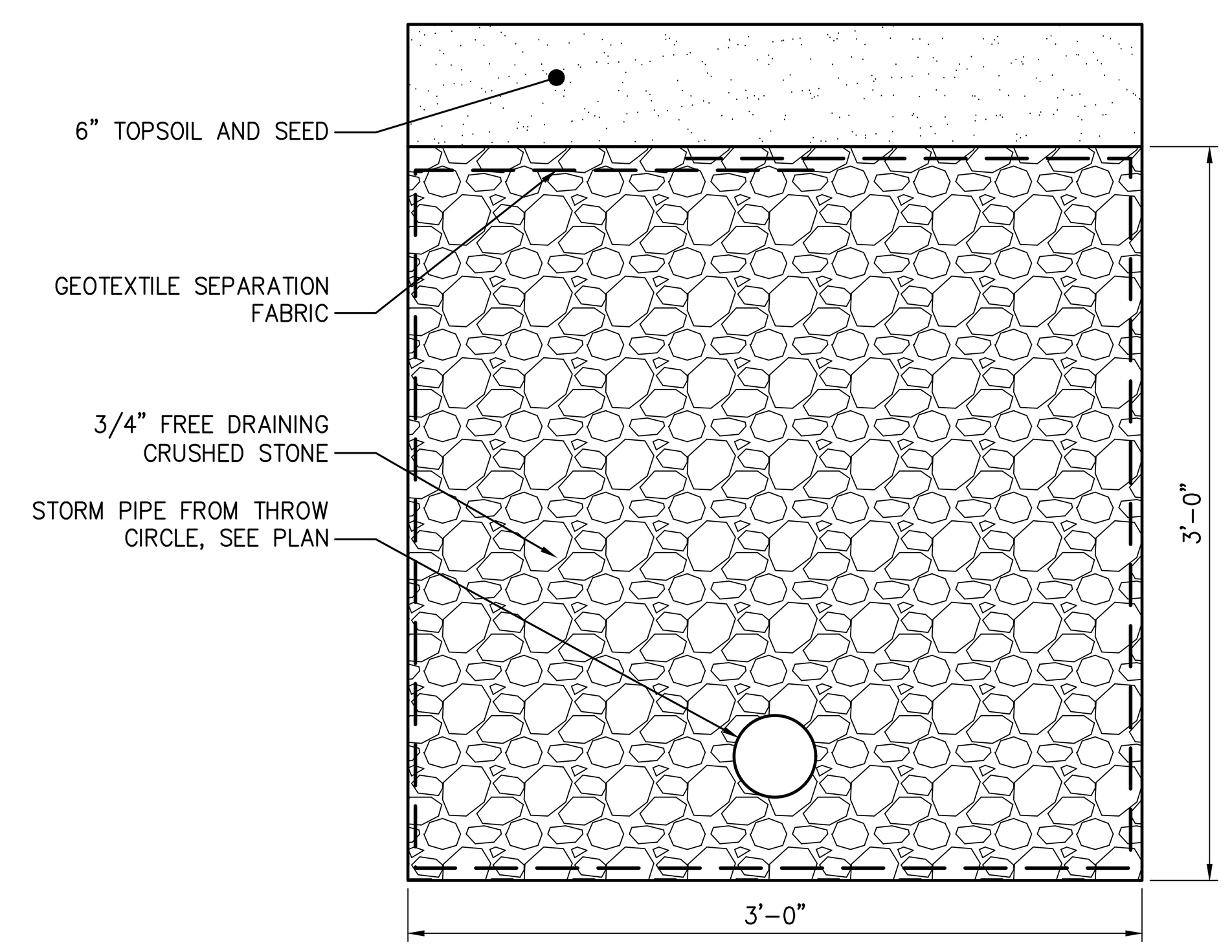
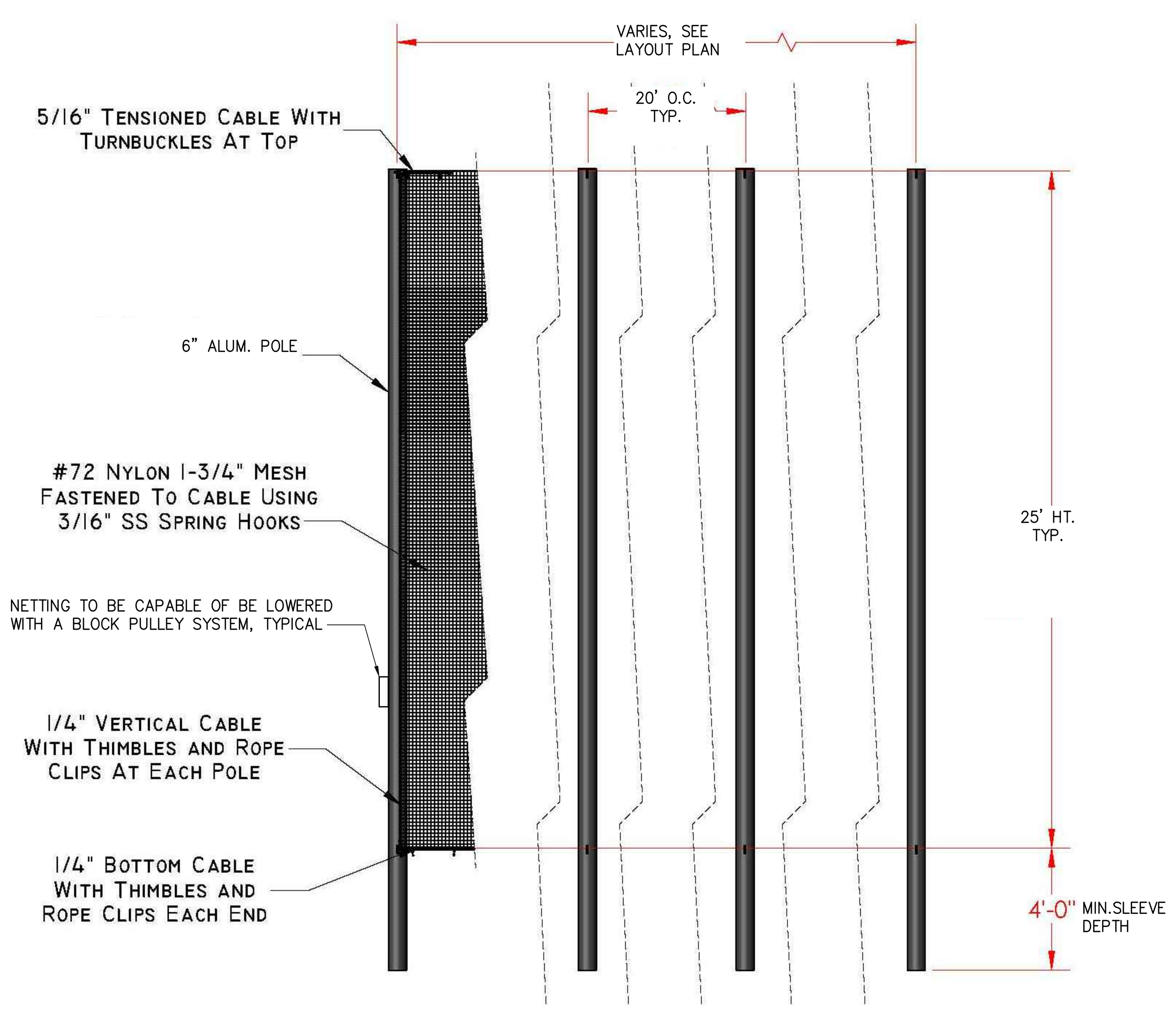


8 QUICK COUPLER DETAIL
SCALE:



9 GRAVEL SUMP DETAIL
SCALE:



10 25' HIGH PROTECTIVE NETTING DETAIL
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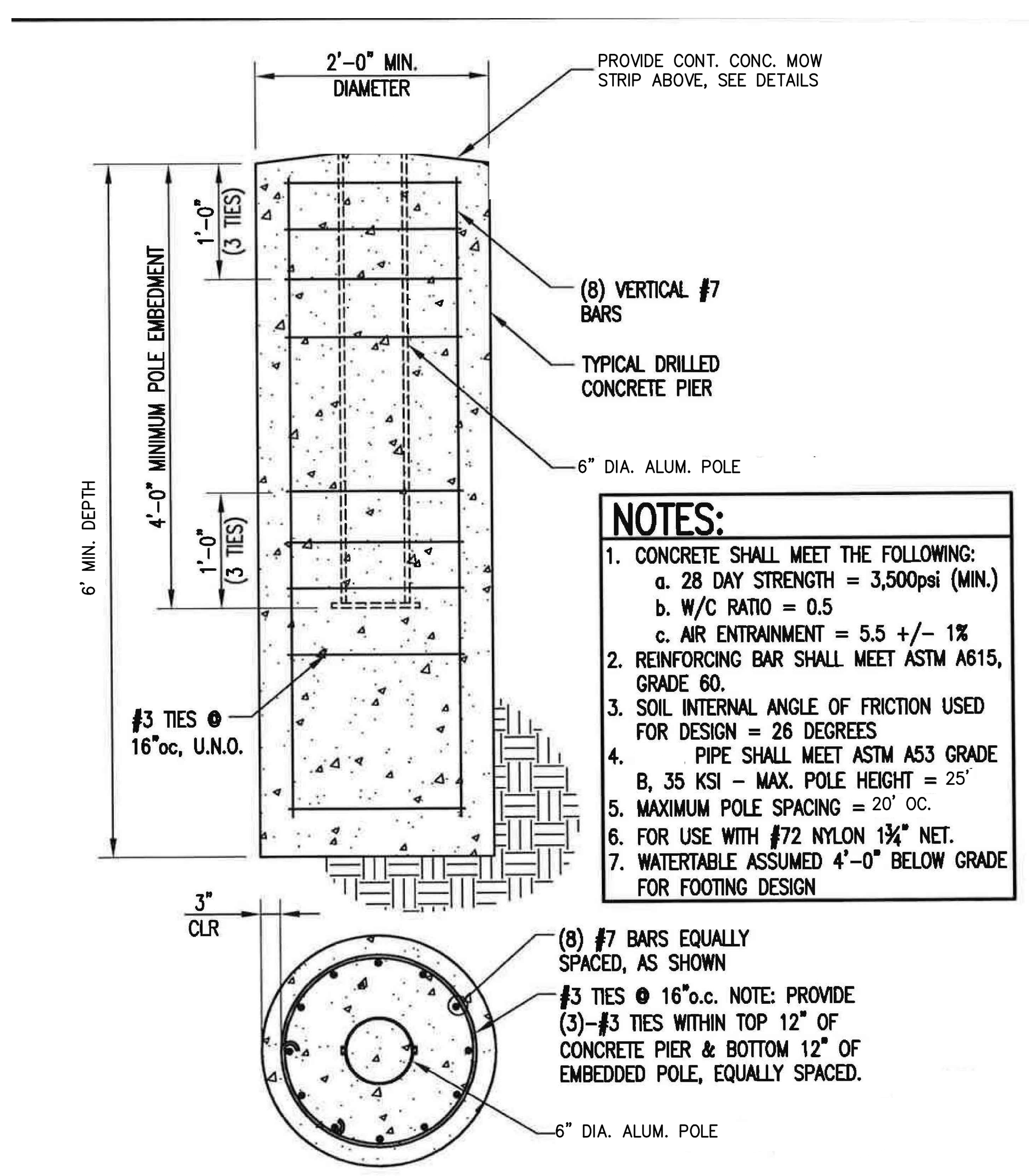

11 25' HIGH PROTECTIVE NETTING FOUNDATION DETAIL
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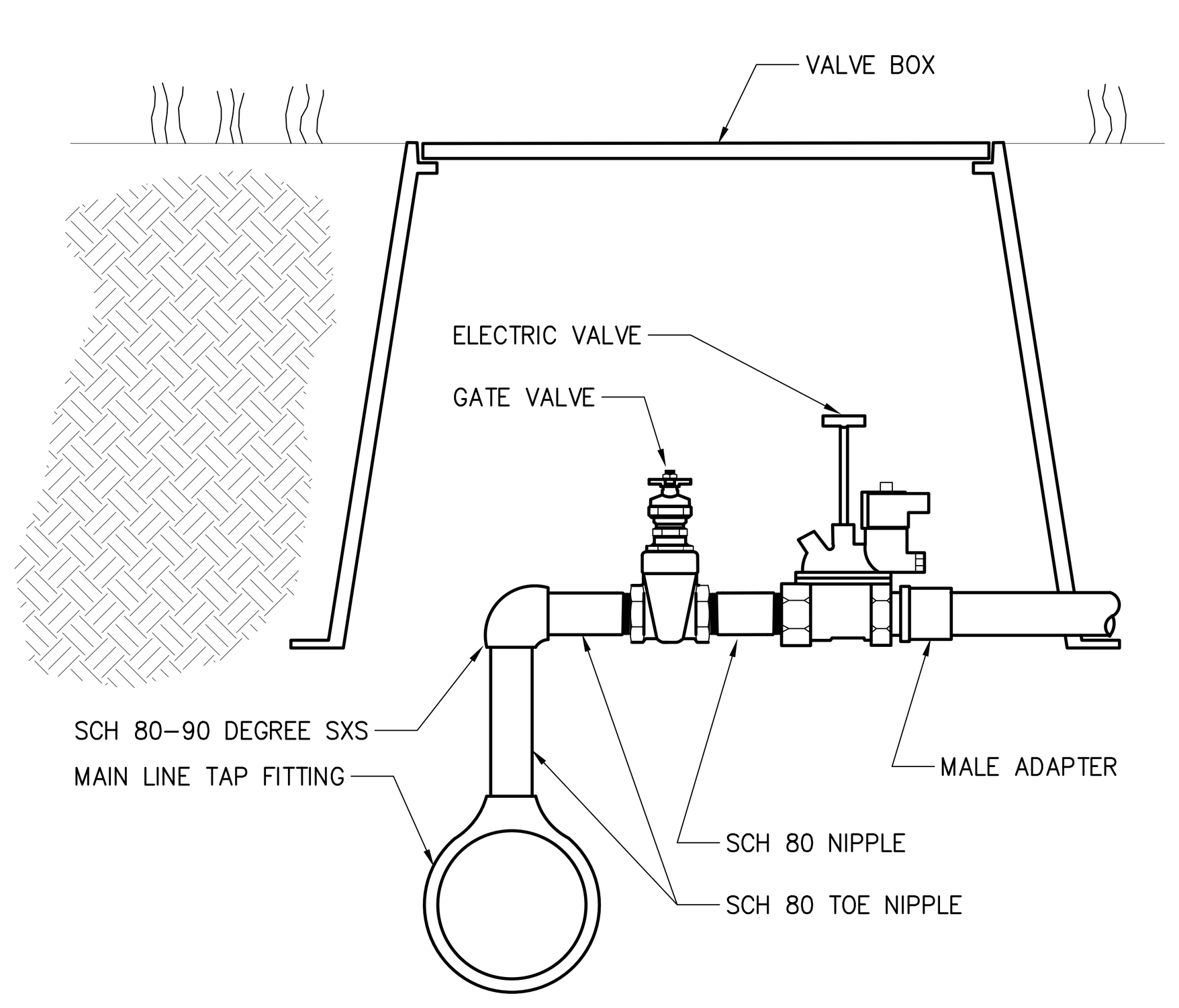

12 BURIED ELECTRICAL VALVE ASSEMBLY
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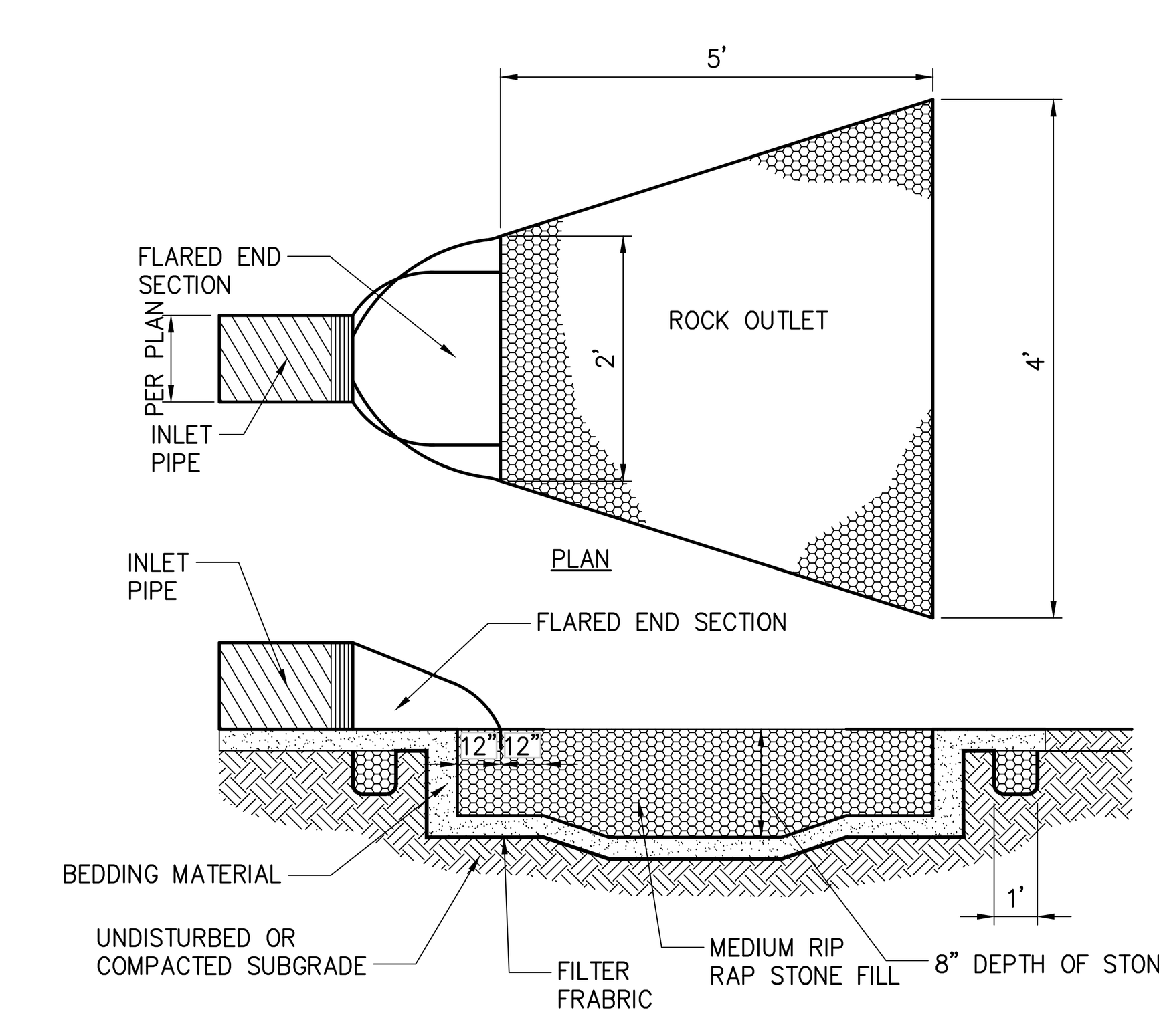

13 FLARED END SECTION DETAIL
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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

TRACK AND FIELD DETAILS

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-601

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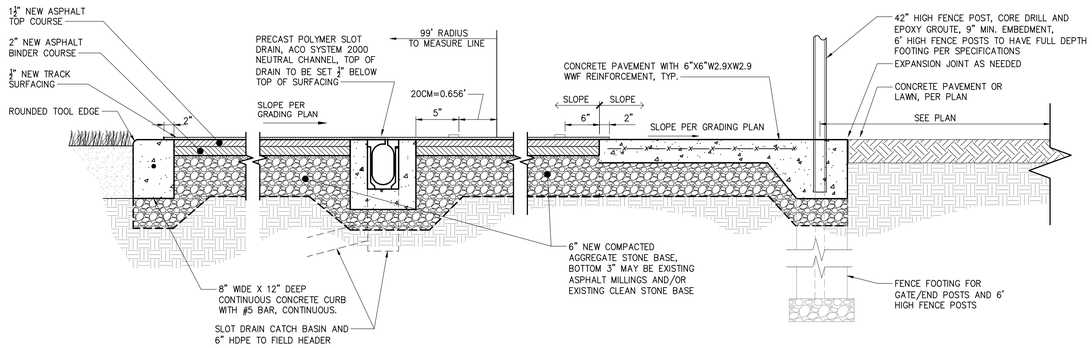

1 TRACK CROSS SECTION AT D-ZONE AND PERIMETER CURB

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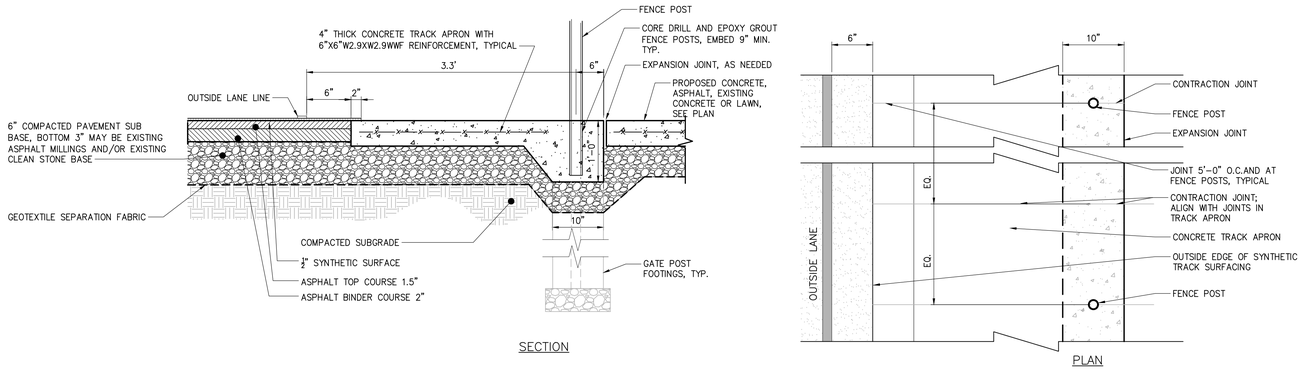

2 TRACK CROSS SECTION AT CONCRETE PERIMETER APRON & CURB

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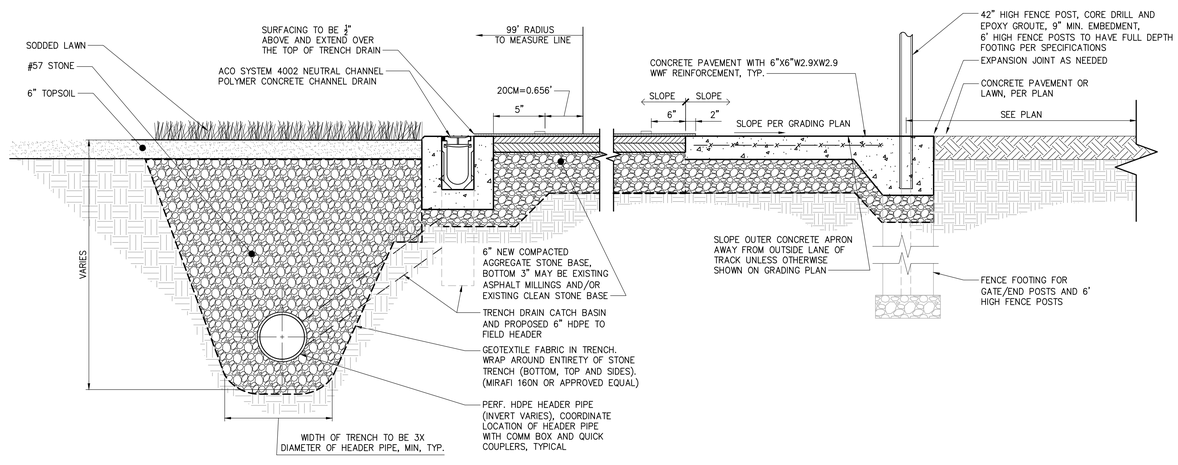

3 TRACK CROSS SECTION AT TRENCH DRAIN AND PERIMETER CURB

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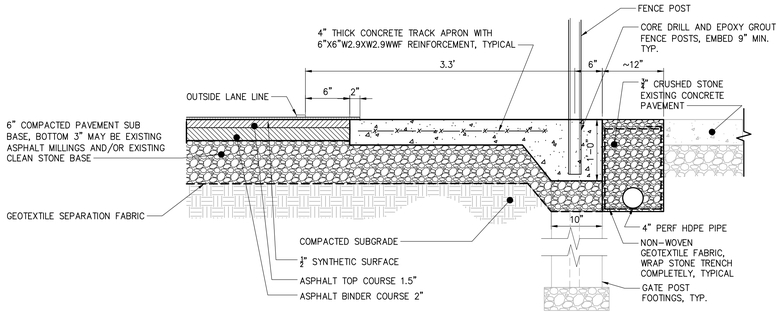

4 TRACK CROSS SECTION AT PERIMETER APRON & EXISTING CONCRETE PAVEMENT WITH FRENCH DRAIN

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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

TRACK AND FIELD DETAILS

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:

C-602

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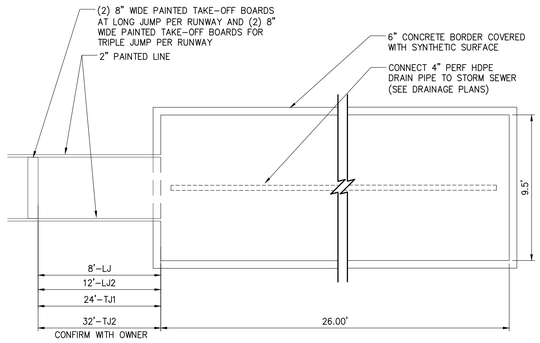

1 LONG/TRIPLE JUMP SAND PIT PLAN
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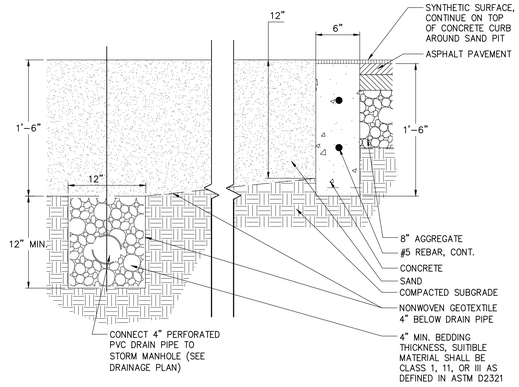

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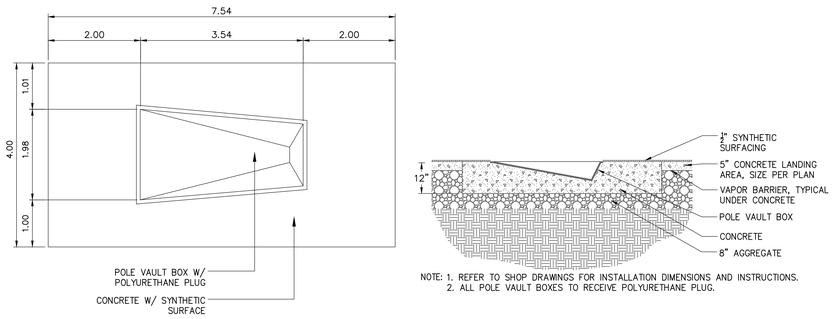

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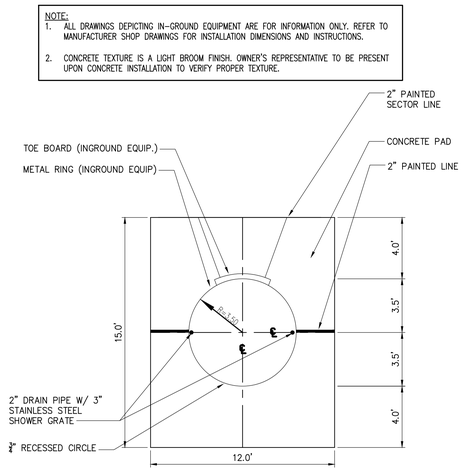

4 SHOT PUT CIRCLE PLAN
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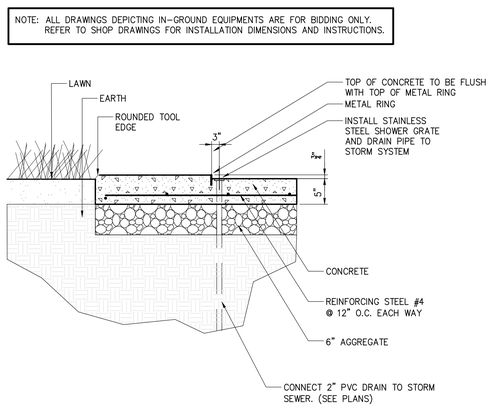

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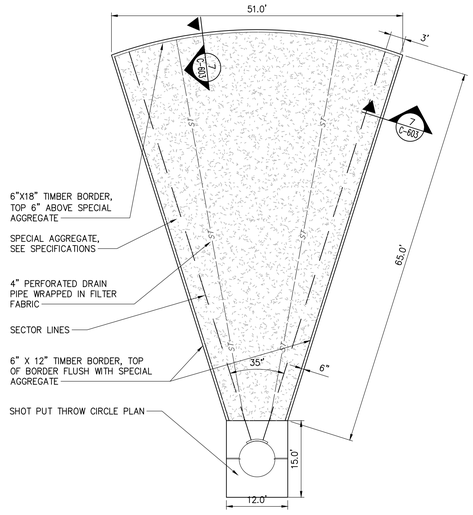

6 SHOT PUT LANDING AREA – PLAN
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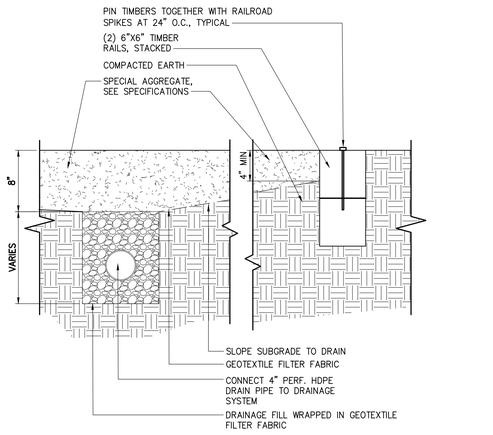

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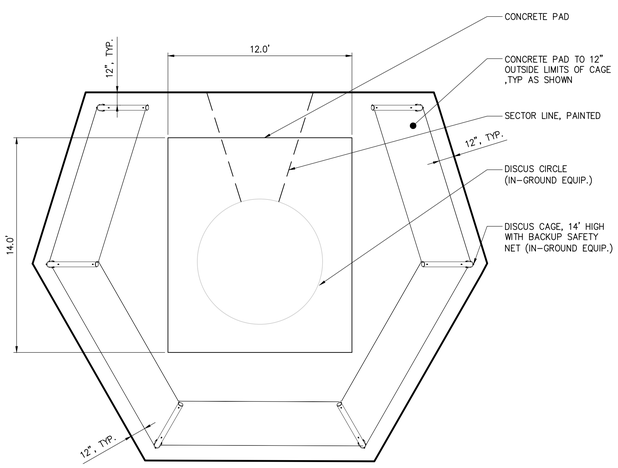

8 DISCUS CAGE PLAN
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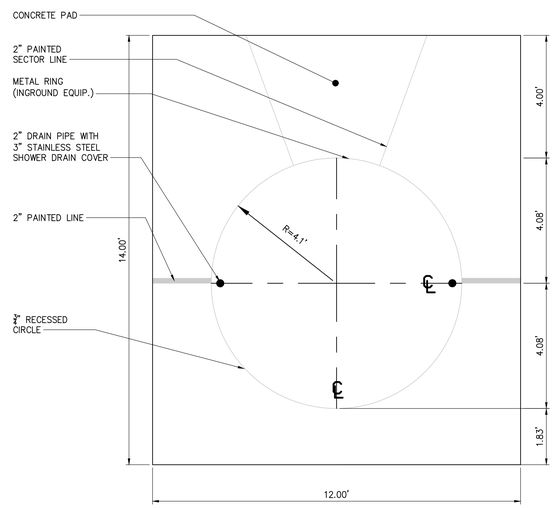

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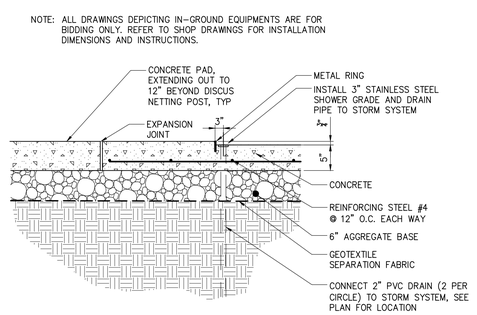

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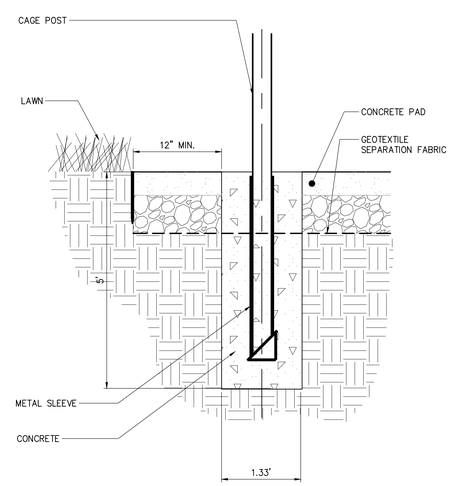

11 DISCUS NETTING SECTION
SCALE:

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LORIS HIGH SCHOOL

TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

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Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-603

ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF/G	ABOVE FINISHED FLOOR/GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPERE TRIP
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BTM	BOTTOM
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CKT	CIRCUIT
$\mathbb{C}$	CENTER LINE
CO	COMPANY
COMM	COMMUNICATIONS
CONN	CONNECTION, CONNECT
CU	COPPER
$\triangle$	DELTA CONNECTION
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC(AL)
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F	FUSE(D)
FC	FOOTCANDLES
FIXT	FIXTURE
FLR	FLOOR
FT	FOOT (FEET)
FUT	FUTURE
G, GND	GROUND
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HGT	HEIGHT
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
HW	HOT WATER
ID	IDENTIFY, IDENTIFICATION
INCAND	INCANDESCENT
J-BOX	JUNCTION BOX
JCT	JUNCTION
KCM/Kcmil	THOUSAND CIRCULAR MILS
KVA	KILO VOLT AMPERE
KW	KILOWATT
LGT	LIGHTING
LT(S)	LIGHT(S)
LED	LIGHT EMITTING DIODE
L	LOUVER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MC	METAL CLAD CABLE
MFR	MANUFACTURER
MH	METAL HALIDE
MECH	MECHANICAL
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT
No/#	NUMBER
OL	OVERLOAD
P	POLE(S)
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PWR	POWER
ϕ	PHASE
PT	PRESSURE TREATED
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SEC	SECONDARY
SH	SHIELDED
SW	SWITCH
TEMP	TEMPORARY/TEMPERATURE
TB	TERMINAL BOARD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
VA	VOLT-AMPERES
W	WATT, WIRE
W/	WITH
WP	WEATHERPROOF
XFMR/T	TRANSFORMER
$\curlyvee$	WYE CONNECTION

DEVICES AND APPURTENANCES

- SINGLE POLE TOGGLE SWITCH
- DUPLEX RECEPTACLE
- TWO – 20 AMP DUPLEX RECEPTACLES UNDER SINGLE COVER
- JUNCTION BOX
- HAND HOLE

RACEWAYS

- CONDUIT CONCEALED OR EXPOSED AS SPECIFIED
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- HOMERUN BACK TO PANEL (PANEL AND CIRCUITS INDICATED) — PP-1, 1/3/5
- CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED
- UNDERGROUND CONDUIT
- GROUND CONDUCTOR
- GROUNDING CONDUCTOR TERMINATION POINT AT SERVICE EQUIPMENT
- INDICATES EXISTING DEVICES OR EQUIPMENT

POWER DISTRIBUTION EQUIPMENT

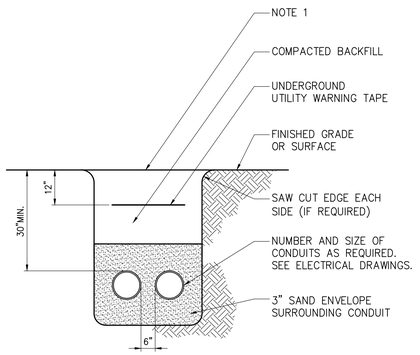
- SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON
- RECESSED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON
- SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 480/277V, 3ø, 4W, UON
- RECESSED BRANCH CIRCUIT PANELBOARD 480/277V, 3ø, 4W, UON
- DISTRIBUTION PANEL
- CR — CONTROL RELAY PANEL

GENERAL

- (#) NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER, REFER TO MATCHING NUMBERED CODED NOTE
- ◇# NUMBER IN DIAMOND, WITH OR WITHOUT ARROW OR LEADER; REFER TO THE DEMOLITION CODED NOTE WITH THE MATCHING NUMBER
- X / XXX — DETAIL CALLOUT

GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER(S).
2. ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY THE ELECTRICAL CONTRACT UNLESS OTHERWISE INDICATED.
3. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. EXACT LOCATION OF ALL CONDUIT RUNS SHALL BE DETERMINED IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORK, ACCESS DOORS AND WORK BY OTHER TRADES.
4. GENERAL NOTES APPLY TO ALL ELECTRICAL CONTRACT DRAWINGS.



NOTE

1. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS.

1 TYPICAL DIRECT BURIED CONDUIT(S) DETAIL
– NOT TO SCALE

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LORIS HIGH SCHOOL

TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

ELECTRICAL LEGEND

Designed By:	Drawn By:	Checked By:
JRH	JRH	JD
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
E-001

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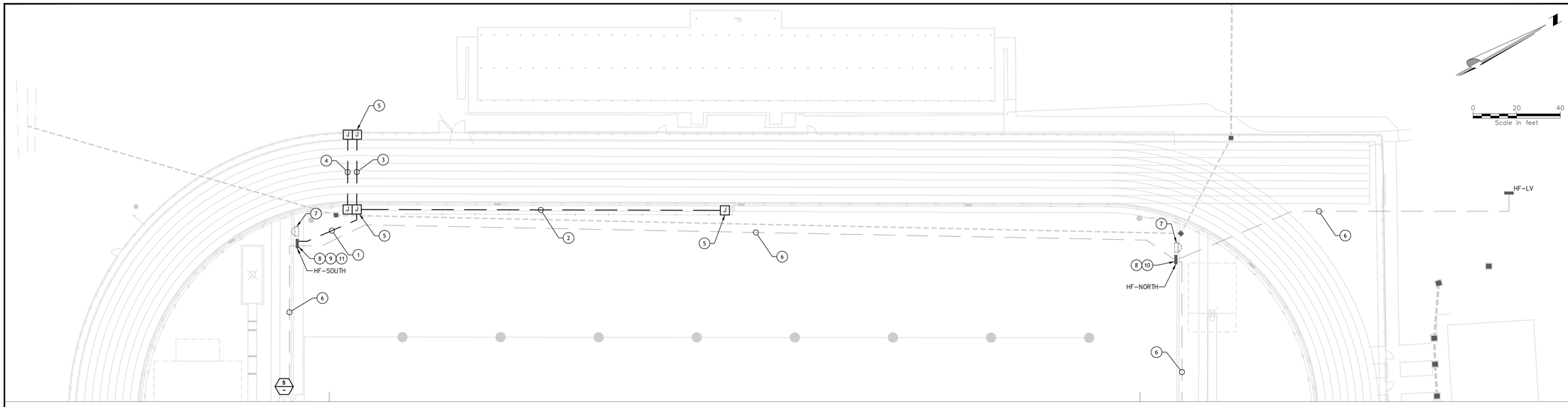
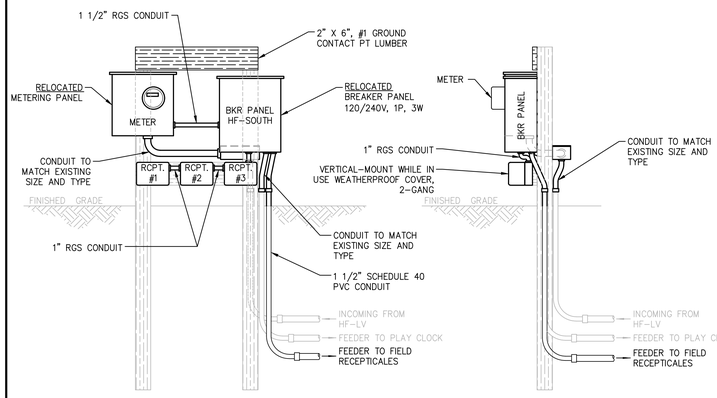


1 ELECTRICAL SITE PLAN
SCALE: 1" = 20'



FRONT VIEW SECTION VIEW

NOTES

1. ALL EXPOSED EQUIPMENT SHALL BE GROUNDED.
2. ALL ELECTRICAL ENCLOSURES SHALL BE NEMA 3R RATED.
3. ALL MOUNTING HARDWARE TO BE GALVANIZED
4. REDUCED HEIGHT OF ASSOCIATED SUPPORT STRUCTURE TO BE EQUAL TO THE HEIGHT OF THE ADJACENT FENCE
5. PROVIDE QUAD RECEPTICALES FOR RCPT #1–#3 AND REFEED WIRING TO ASSCODIATED PANEL.
6. RELOCATE METER AND PANEL AS SHOWN ABOVE.
7. SEAL UNUSED HOLES IN PANELS.

1 LORIS H.S. HENIFORD FIELD SOUTH D–ZONE PANELBOARD
NOT TO SCALE

LOCATION: HENIFORD FIELD SOUTH D–ZONE
MOUNTING: SURFACE
SOURCE: HF–LV

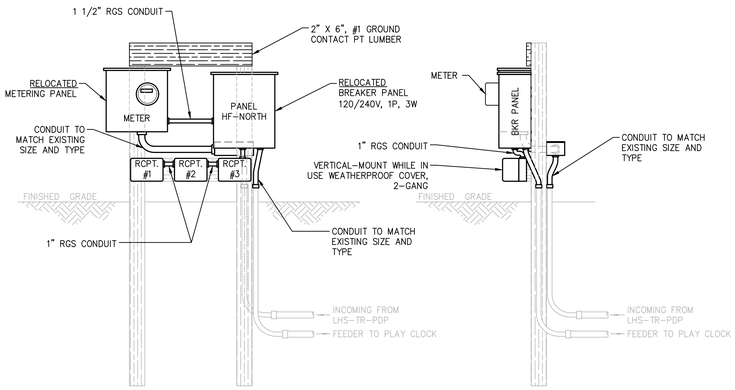
PANEL ID: HF–SOUTH
EXISTING

VOLTS, PHASE, WIRE: 240/120V, 1ϕ, 3W
MAINS: 30A/2P
SHORT CIRCUIT RATING: 10 kA

CKT	LOAD DESCRIPTION	CB AMPS/ POLE	CONN LOAD KVA	CONN LOAD KVA		CONN LOAD KVA	CONN LOAD KVA	CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1						0.36		20/1	FINISH LINE RECEPTACLE	2
3								30/1		4
5						0.36		20/1	RECEPTACLE #2	6
7	RECEPTACLE #1	20/1		0.36			0.18	20/1	MIDFIELD RECEPTACLE	8
9	MAIN BREAKER	30/2				0.18		20/1	25 SECOND CLOCK	10
11							0.36	20/1	RECEPTACLE #3	12
			0	0.36		0.90	0.54			

NOTES
1. ALL EXISTING BREAKERS EXCEPT CIRCUIT #2
2. REFEED CIRCUITS 6, 7, & 12

TOTAL kVA: 1.80



FRONT VIEW SECTION VIEW

NOTES

1. ALL EXPOSED EQUIPMENT SHALL BE GROUNDED.
2. ALL ELECTRICAL ENCLOSURES SHALL BE NEMA 3R RATED.
3. ALL MOUNTING HARDWARE TO BE GALVANIZED.
4. REDUCED HEIGHT OF ASSOCIATED SUPPORT STRUCTURE TO BE EQUAL TO THE HEIGHT OF THE ADJACENT FENCE
5. PROVIDE QUAD RECEPTICALES FOR RCPT #1–#3 AND REFEED WIRING TO ASSCODIATED PANEL.
6. RELOCATE METER AND PANEL AS SHOWN ABOVE.
7. SEAL UNUSED HOLES IN PANELS.

2 LORIS H.S. HENIFORD FIELD NORTH D–ZONE PANELBOARD
NOT TO SCALE

LOCATION: HENIFORD FIELD NORTH D–ZONE
MOUNTING: SURFACE
SOURCE: HF–LV

PANEL ID: HF–NORTH
EXISTING

VOLTS, PHASE, WIRE: 240/120V, 1ϕ, 3W
MAINS: 30A/2P
SHORT CIRCUIT RATING: 10 kA

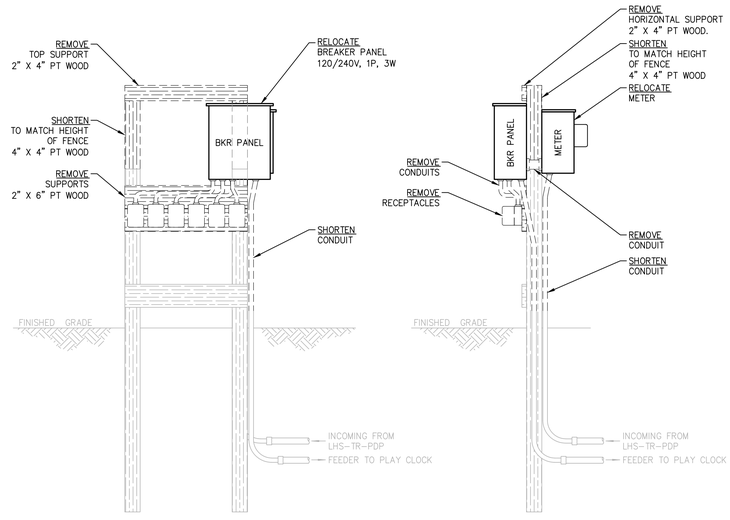
CKT	LOAD DESCRIPTION	CB AMPS/ POLE	CONN LOAD KVA	CONN LOAD KVA		CONN LOAD KVA	CONN LOAD KVA	CB AMPS/ POLE	LOAD DESCRIPTION	CKT
1										2
3								30/1		4
5						0.36		20/1	RECEPTACLE #2	6
7	RECEPTACLE #1	20/1		0.36				20/1	SPARE	8
9	MAIN BREAKER	30/2				0.18		20/1	25 SECOND CLOCK	10
11							0.36	20/1	RECEPTACLE #3	12
			0	0.36		0.54	0.36			

NOTES
1. REFEED CIRCUITS 6, 7, & 12

TOTAL kVA

CODED NOTES

1. 1 1/2" SCHEDULE 40 PVC CONDUIT WITH (2) #8, (1) #8G, FOR MIDFIELD RECEPTACLES AND (2) #10, AND (1) #10G FOR FINISH LINE RECEPTACLES.
2. 1" SCHEDULE 40 PVC CONDUIT WITH (2) #8 AND (1) #8G FOR MIDFIELD RECEPTACLES FROM PANEL HF–SOUTH.
3. 1" SCHEDULE 40 PVC CONDUIT WITH (2) #10 AND (1) #10G FOR FINISH LINE RECEPTACLES FROM PANEL HF–SOUTH.
4. 1 1/2" SCHEDULE 40 PVC CONDUIT BETWEEN JUNCTION BOXES FOR INSTALLATION OF COMMUNICATION WIRING.
5. PROVIDE JUNCTION BOX (SEE DETAILS 1 & 2 ON C–601)
6. PROTECT AND MAINTAIN EXISTING ELECTRICAL WIRING. REPAIR ANY DAMAGED CONDUIT/WIRING AND OR ELECTRICAL BOXES IN KIND.
7. REMOVE EXISTING METER & ASSOCIATED SUPPORTS, ABANDON UNDERGROUND WIRING. COORDINATE WITH UTILITY TO DISCONNECT SERVICE FEED.
8. REMOVE, PROTECT, AND MAINTAIN EQUIPMENT AS SHOWN IN DETAIL 3 ON THIS DRAWING.
9. RELOCATE AND ADD EQUIPMENT AS SHOWN IN DETAIL 1 ON THIS DRAWING.
10. RELOCATE AND ADD EQUIPMENT AS SHOWN IN DETAIL 2 ON THIS DRAWING.
11. PROVIDE 20A/1P BREAKER AT CKT 2 IN EXISTING PANEL HF–SOUTH. TYPE OF BREAKER TO MATCH EXISTING.



FRONT VIEW SECTION VIEW

3 REMOVALS LORIS H.S. HENIFORD FIELD D–ZONE PANELBOARD (TYP. NORTH & SOUTH)
NOT TO SCALE

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LORIS HIGH SCHOOL

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

ELECTRICAL SITE PLAN

Designed By:	Drawn By:	Checked By:
JRH	JRH	JD
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
E-002

TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

SAINT JAMES HIGH SCHOOL

February, 2020

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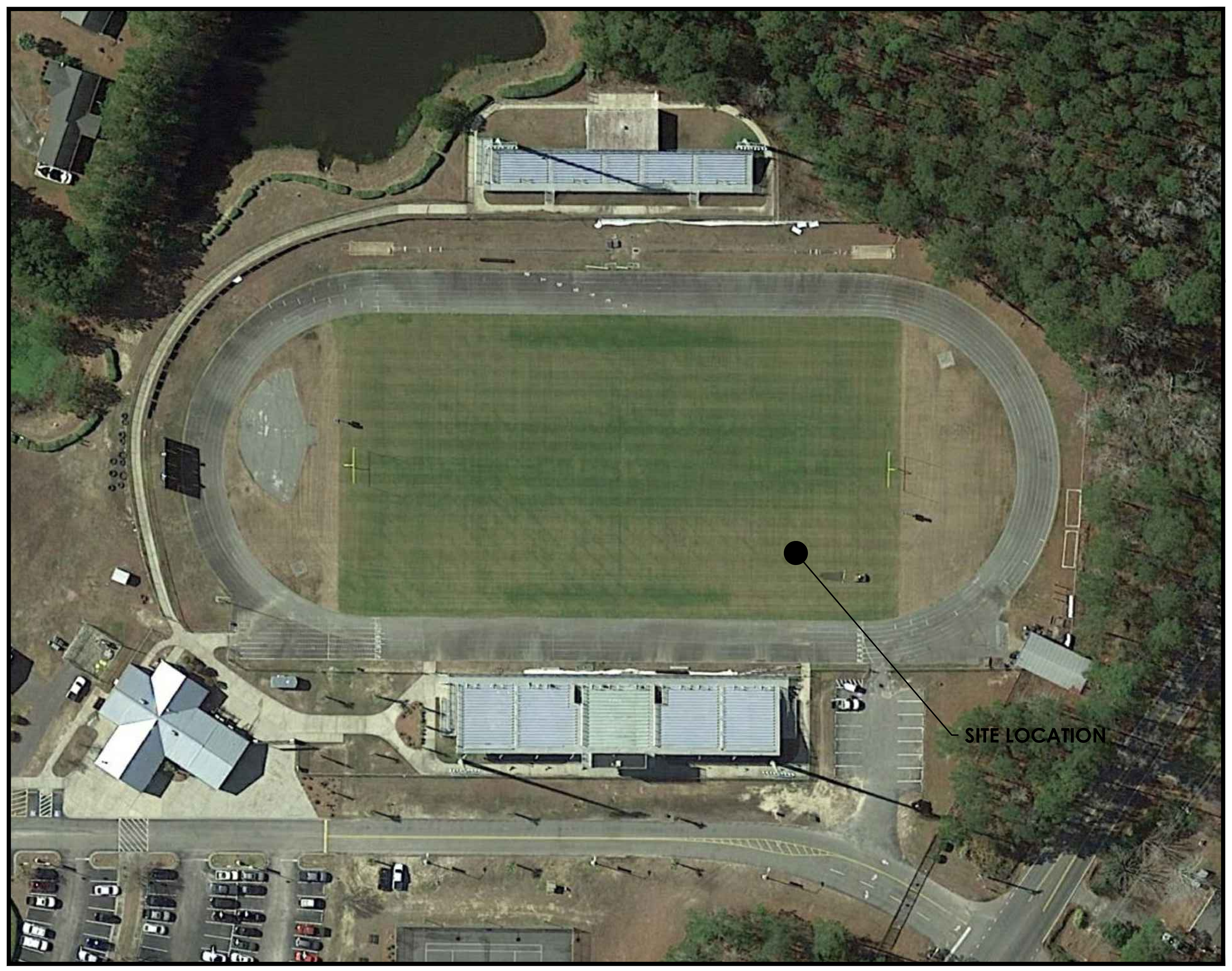

SITE VICINITY MAP
SCALE: NOT TO SCALE

100% CONSTRUCTION DOCUMENTS

Sheet Index

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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

TITLE SHEET

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

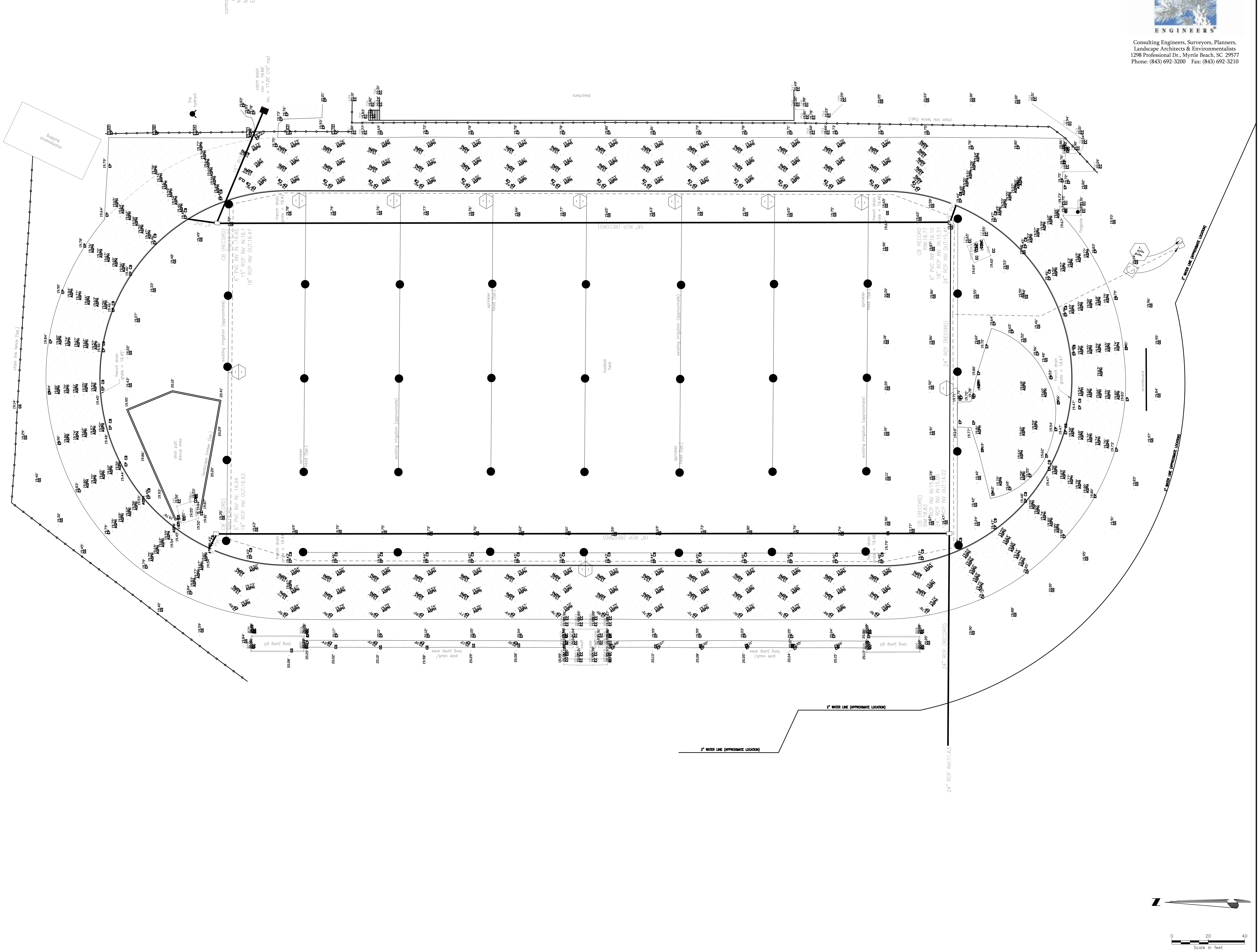
Drawing No.:
G-000

SURVEY NOTES

1. THE MAP IS BASED ON A FIELD SURVEY COMPLETED BY DDC ENGINEERS IN JULY 2019
2. ELEVATIONS ARE REFERENCED TO THE NAVD 88 VERTICAL DATUM.
3. ALL DRAINAGE AND IRRIGATION SHOWN IS PER RECORD DRAWINGS AND SHOULD BE FIELD VERIFIED FOR LOCATIONS, RIM AND INVERT ELEVATIONS

DDC ENGINEERS

Consulting Engineers, Surveyors, Planners, Landscape Architects & Environmentalists
1298 Professional Dr., Myrtle Beach, SC 29577
Phone: (843) 692-3200 Fax: (843) 692-3210



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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

EXISTING CONDITIONS PLAN

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

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C-001

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PROTECT AND MAINTAIN EXISTING BUILDING

PROTECT AND MAINTAIN EXISTING PERIMETER FENCE, TYPICAL

PROTECT AND MAINTAIN EXISTING PERIMETER FENCE, TYPICAL

PROTECT AND MAINTAIN EXISTING 6" PVC

PROTECT AND MAINTAIN EXISTING 18" RCP

PROTECT AND MAINTAIN EXISTING CATCH BASIN

PROTECT AND MAINTAIN EXISTING GAME CLOCK AND ASSOCIATED ELECTRICAL CONDUIT, TYPICAL BOTH SIDES

PROTECT AND MAINTAIN EXISTING FIELD AND IRRIGATION SYSTEM, TYPICAL

PROTECT AND MAINTAIN EXISTING SHOT PUT PAD & LANDING AREA

PROTECT AND MAINTAIN EXISTING 18" RCP

PROTECT AND MAINTAIN EXISTING CATCH BASIN

PROTECT AND MAINTAIN EXISTING 6" PVC

REMOVE AND DISPOSE OF EXISTING LONG TRIPLE JUMP SAND PIT AND RUNWAY, FULL DEPTH REMOVAL TO PROPOSED SUBGRADE (CONTRACTOR TO ASSUME 2" OF ASPHALT & 6" OF STONE BASE)

REMOVE AND DISPOSE OF EXISTING POLE VAULT BOXES, LANDING AREA AND RUNWAY, FULL DEPTH REMOVAL TO PROPOSED SUBGRADE (CONTRACTOR TO ASSUME 2" OF EXISTING ASPHALT & 6" OF STONE BASE)

PROTECT AND MAINTAIN EXISTING 6" PVC

PROTECT AND MAINTAIN EXISTING FLAGPOLE AND CONCRETE PAD

PROTECT AND MAINTAIN EXISTING CATCH BASIN

REMOVE AND DISPOSE OF EXISTING CONCRETE PAD

PROTECT AND MAINTAIN EXISTING FOOTBALL GOAL POSTS AND FOUNDATIONS, TYPICAL OF 2

REMOVE EXISTING IRRIGATION IN LIMITS OF NEW HIGH JUMP AREA, REPLACE WITH NEW IRRIGATION LAYOUT PER UTILITY PLAN

STRIP AND REMOVE EXISTING TOPSOIL/EXCESS SOIL TO PROPOSED SUBGRADE WITHIN LIMITS SHOWN

PROTECT AND MAINTAIN EXISTING SCOREBOARD

REMOVE AND DISPOSE OF EXISTING HIGH JUMP AREA, FULL DEPTH REMOVAL TO PROPOSED SUBGRADE (CONTRACTOR TO ASSUME 2" OF ASPHALT & 6" OF STONE BASE)

PROTECT AND MAINTAIN EXISTING 24" RCP

PROTECT AND MAINTAIN EXISTING CATCH BASIN

PROTECT AND MAINTAIN EXISTING 24" RCP

MILL EXISTING ASPHALT ON OVAL AND STOCKPILE ON-SITE FOR RE-USE. DISPOSE OF EXCESS ASPHALT MILLINGS (CONTRACTOR TO ASSUME 2 ½" OF EXISTING ASPHALT), PROTECT EXISTING STONE BASE. TYPICAL WITHIN LIMITS SHOWN

REMOVE AND DISPOSE OF EXISTING LONG TRIPLE JUMP SAND PIT AND RUNWAY, FULL DEPTH REMOVAL TO PROPOSED SUBGRADE (CONTRACTOR TO ASSUME 2" OF ASPHALT & 6" OF STONE BASE)

PROTECT AND MAINTAIN EXISTING 24" RCP

0 20 40
Scale in feet

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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	Appr'd.	By	Date

DEMOLITION PLAN

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-002

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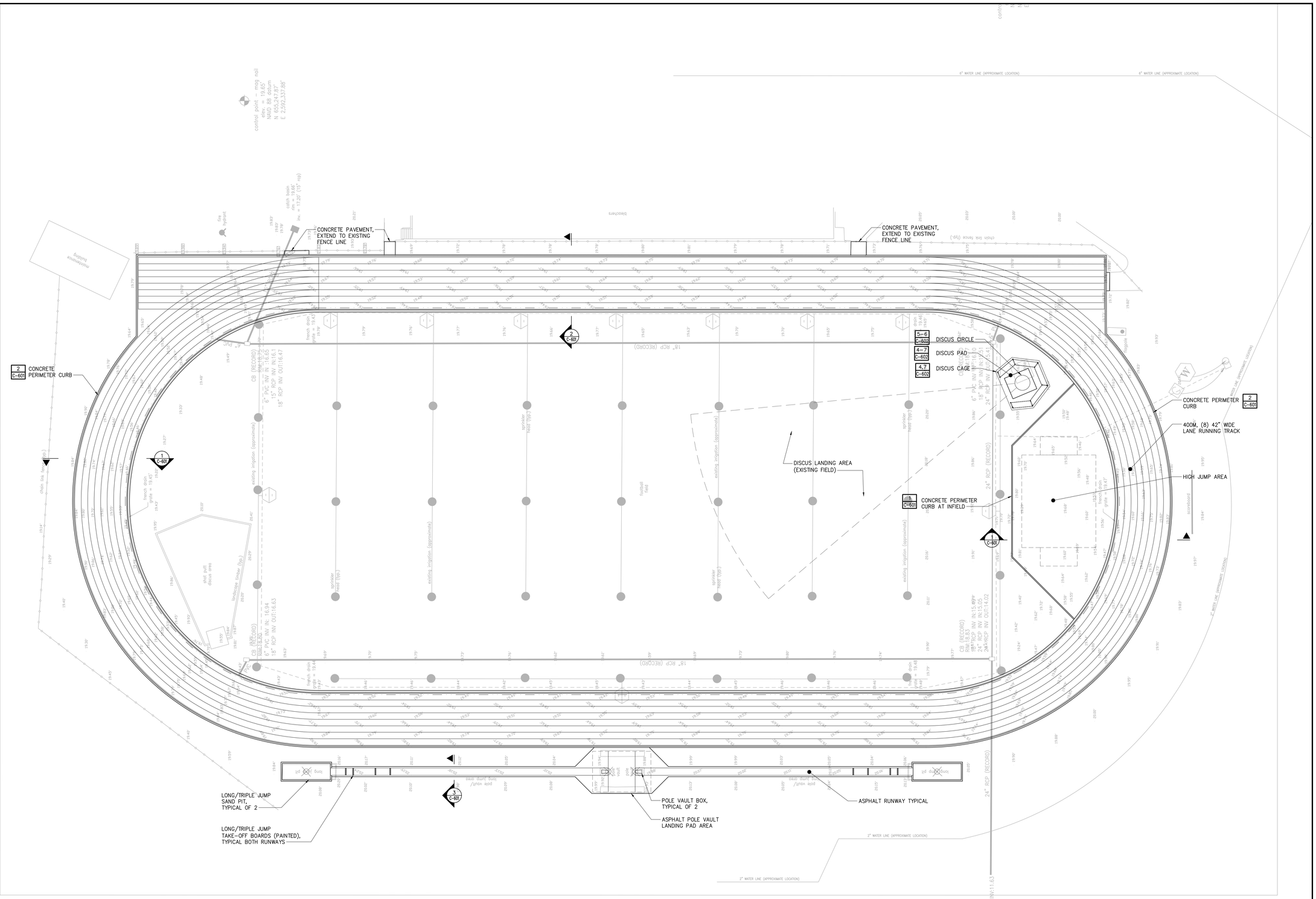

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

LAYOUT PLAN

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-100

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Scale in feet

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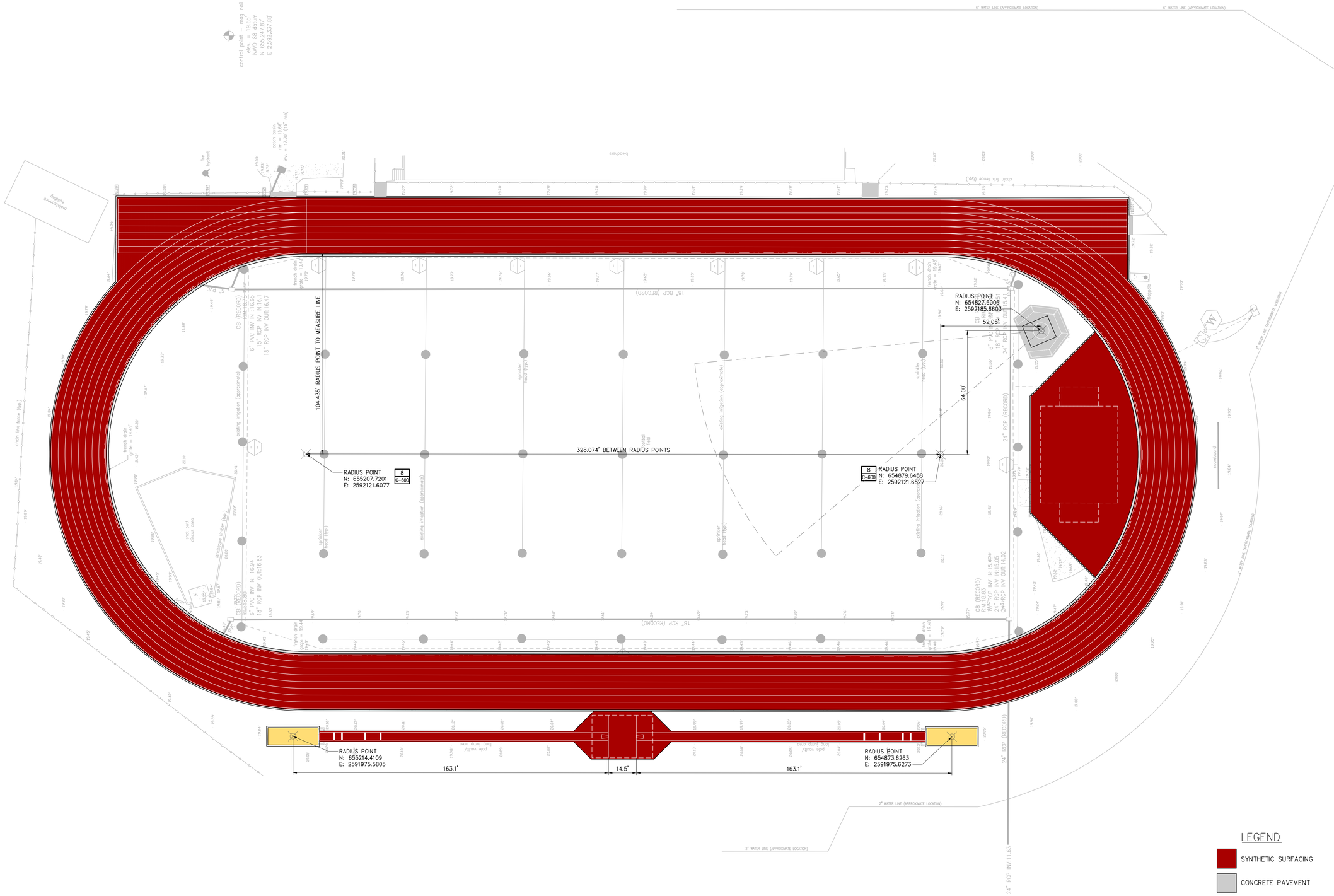

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TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

TRACK SURFACING AND DIMENSION PLAN

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-101

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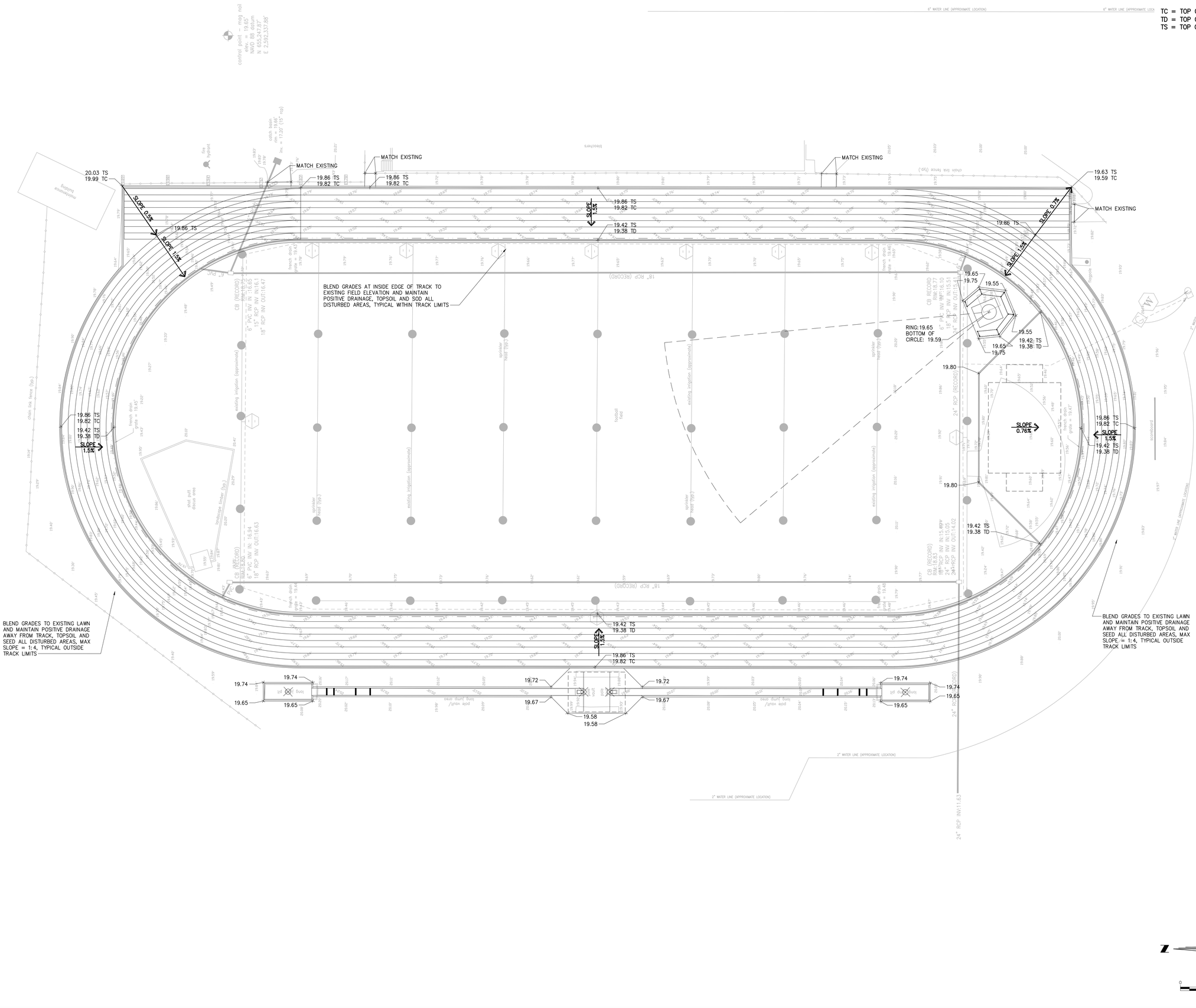
LEGEND

TC = TOP OF CONCRETE
TD = TOP OF DRAIN
TS = TOP OF SURFACING



0 20 40
Scale in feet

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TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

GRADING PLAN

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XXX	XXX	XXX
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-200

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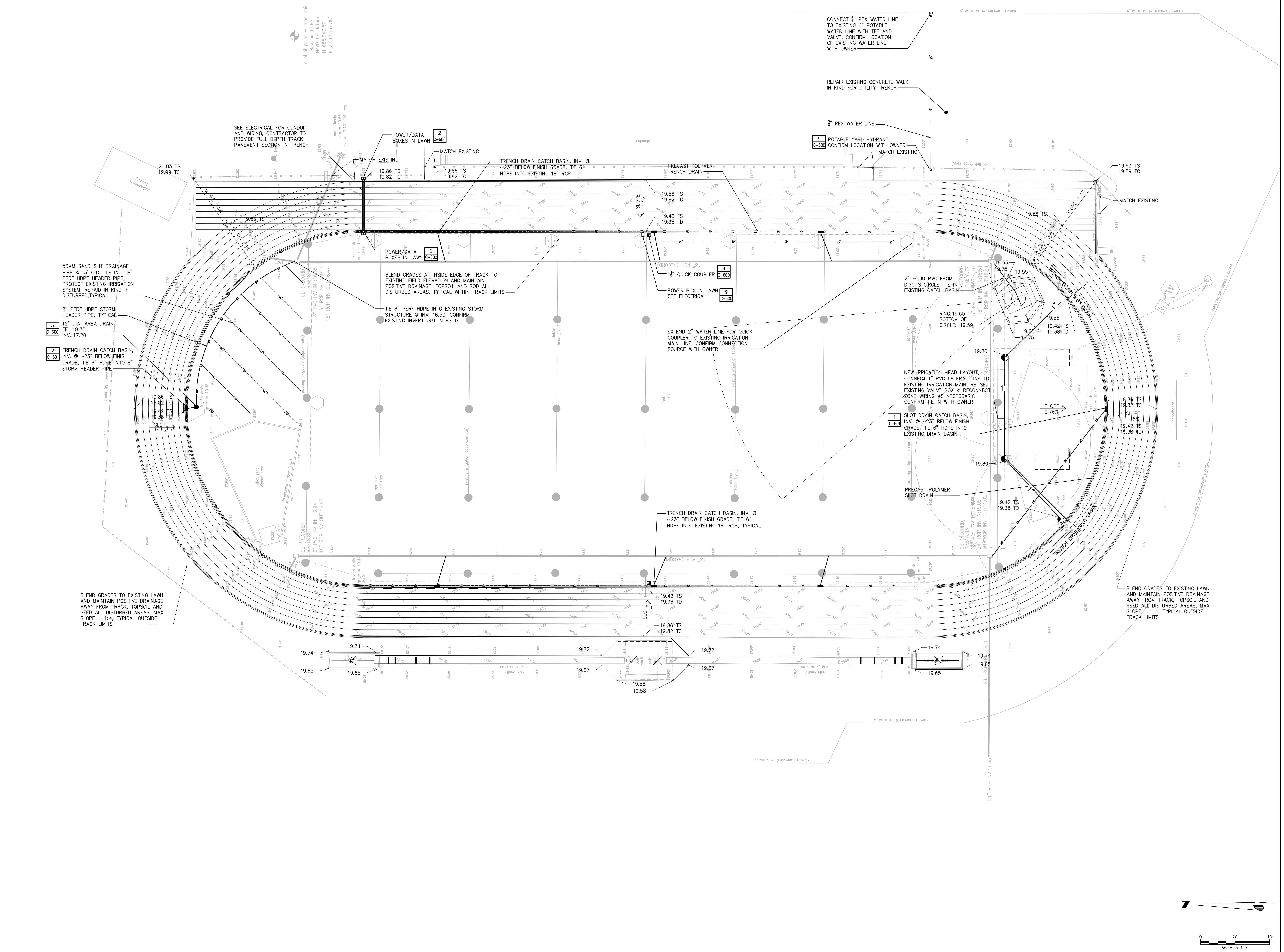

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TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

DRAINAGE AND UTILITY PLAN

Designed By:	Drawn By:	Checked By:
JP	RH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-300

SEEDING NOTES:

1. INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
2. NOT REQUIRED ON SHOULDERS, MEDIANS, ETC., AND SLOPES UNDER 5 FEET IN HEIGHT.
3. GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.
4. RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05. DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
5. PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.
6. THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.
7. GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.

SEEDING SCHEDULE FOR TEMPORARY VEGETATION Ds3

SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	COMMON BERMUDA (HULLED)	210	MARCH 16 TO AUG. 31
	TALL FESCUE	140	
2	COMMON BERMUDA (UNHULLED)	175	SEPT. 1 TO MARCH 15
	ANNUAL RYEGRASS	175	

NOTES:

THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF PERENNIAL VEGETATION WHOSE ROOT SYSTEM SHALL BE DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER, AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE PERENNIAL VEGETATIVE COVER SHALL HAVE A MINIMUM COVERAGE DENSITY OF 70% FOR THE SEEDED AREAS. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED STAND OF GRASS, AND SHALL FOLLOW THE APPLICATION PROCEDURES AS SPECIFIED HEREIN.

SEEDING SCHEDULE FOR PERMANENT VEGETATION

SCHEDULE NO.	COMMON NAME OF SEED	RURAL RATE	URBAN RATE[1]	PLANTING DATES
3[5]	COMMON BERMUDA (HULLED)[3]	30	30	MARCH 1 TO AUG. 14
	WEEPING LOVEGRASS[2]	10	10	
	SERICEA LESPEDEZA (SCARIFIED)[7]	50	50	
4[5]	COMMON BERMUDA (UNHULLED)[3]	40	40	AUG. 5 TO FEB. 28
	WEEPING LOVEGRASS[2]	10	10	
	SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED)[7]	80	80	
	RESEEDING CRIMSON CLOVER[4]	20	0	
	RYE GRAIN	20	0	

NOTES:

1. INCLUDES RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
2. NOT REQUIRED ON SHOULDERS, MEDIANS, ECT., AND SLOPES UNDER 5 FEET IN HEIGHT.
3. GIANT BERMUDA SEED, INCLUDING NK-37, SHALL NOT BE USED.
4. RESEEDING CRIMSON CLOVER SHALL BE INOCULATED IN ACCORDANCE WITH SUBSECTION 810.05. DO NOT PLANT CLOVER IN MEDIANS OR IN RURAL AREAS ADJACENT TO WELL-DEVELOPED LAWNS.
5. PENSACOLA BAHIA SHALL BE ALLOWED ONLY AS SHOWN IN SEEDING SCHEDULES 3 AND 4 AT THE RATE OF 50 POUNDS PER ACRE ONLY WHEN SEEDING PIT AREAS THAT ARE GOVERNED BY THE SOUTH CAROLINA MINING ACT. OTHERWISE, DO NOT INCLUDE BAHIA SEED IN THE MIX.

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THE CONTRACTOR MAY INCLUDE QUANTITIES OF RYE GRAIN AND MILLET IN SCHEDULE 1 AND 3 IN ORDER TO ESTABLISH QUICK GROUND COVER FOR EROSION CONTROL PURPOSES.

SEEDING SCHEDULE FOR TEMPORARY VEGETATION

SCHEDULE NO.	COMMON NAME OF SEED	RATE PER ACRE (LBS.)	PLANTING DATES
1	ANNUAL SUDAN GRASS (SWEET OR TIFF)	40	APRIL 1- AUGUST 15
2	BROWN TOP MILLET	50	APRIL 1- AUGUST 15
3	RYE GRAIN	55	AUGUST 16- MARCH 31

OAT GRAIN IS TO BE ADDED TO ALL SCHEDULES, IF SEEDING DATE IS BETWEEN MARCH 1 AND APRIL 16, AT THE RATE OF 10 POUNDS PER ACRE.

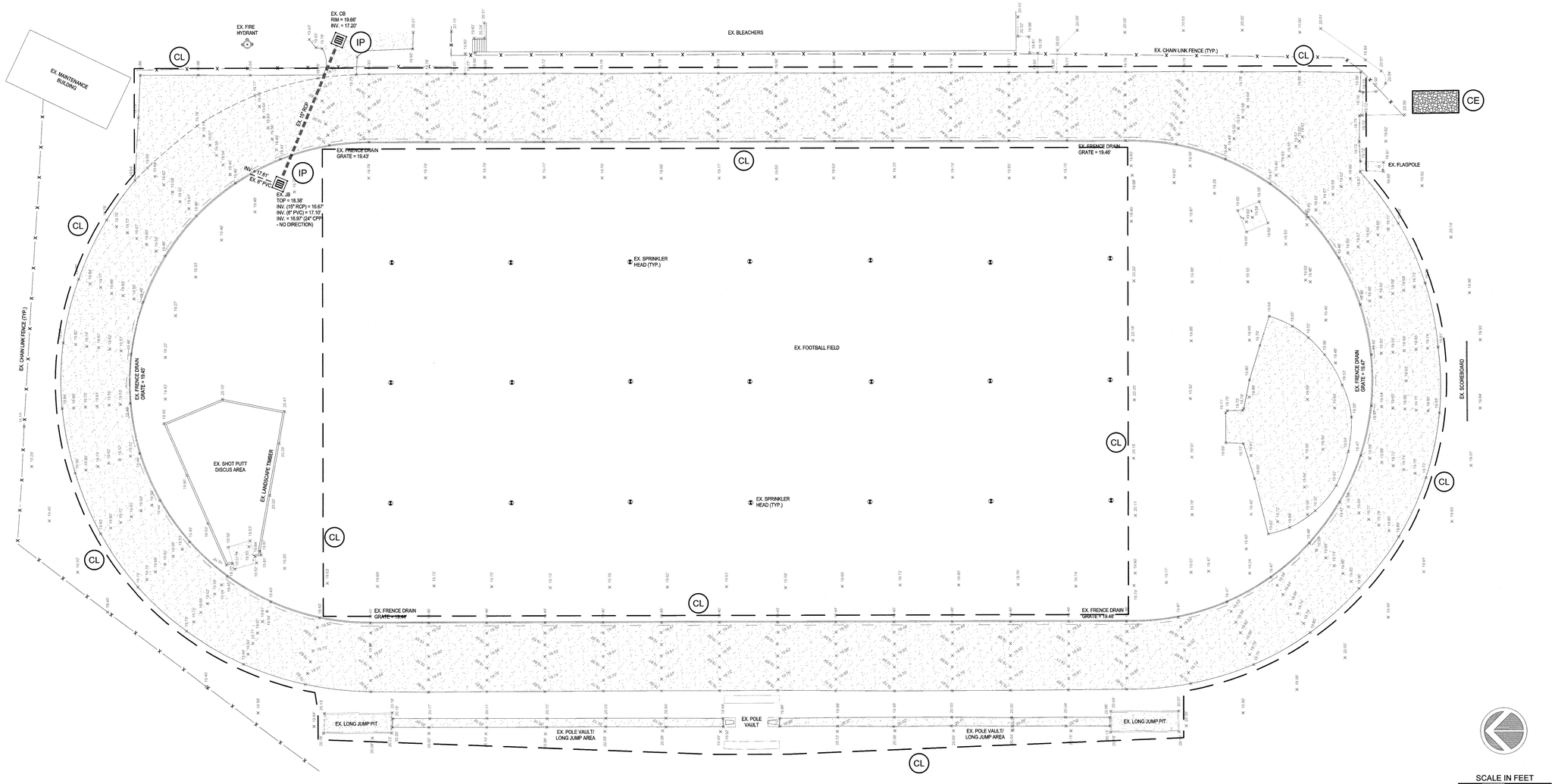
THE CONTRACTOR SHALL OBTAIN A SATISFACTORY STAND OF VEGETATION THAT IS CAPABLE OF EROSION CONTROL. CONTRACTOR SHALL DETERMINE ALL RATES OF APPLICATION NECESSARY TO PRODUCE THE REQUIRED RESULTS. THE TEMPORARY VEGETATION SHALL PROVIDE MINIMUM DENSITY COVERAGE OF 70% OF THE SEEDED AREA.

CONSTRUCTION SEQUENCE:

1. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WITHIN AND IMMEDIATELY ADJACENT TO PROJECT AREA.
2. INSTALL CONSTRUCTION ENTRANCE.
3. INSTALL PERIMETER EROSION CONTROL DEVICES, INCLUDING ALL TREE PROTECTION.
4. DEMO EXISTING TRACK AND APPURTENANCES.

EROSION CONTROL LEGEND

SYMBOL	PRACTICE	DESCRIPTION
IP	INLET PROTECTION	A TEMPORARY SEDIMENT BARRIER LAID AROUND A STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
OP	OUTLET PROTECTION	RIP RAP CHANNEL / BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION, AND STABILIZE GRADES DOWNSTREAM OF OUTLET STRUCTURES.
CD	TEMPORARY CHECK DAM	RIP RAP BANK PLACED BELOW DRAINAGE OUTLETS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OF DRAINAGE OUTLETS.
SF	SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF. CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
SF2	DOUBLE ROW SILT FENCE	A TEMPORARY STRUCTURE USED TO SLOW THE VELOCITY OF RUN-OFF. CAUSE SEDIMENT DEPOSITION AT THE STRUCTURE, AND FILTER SEDIMENT FROM RUN-OFF.
CL	CONSTRUCTION LIMITS	A DEFINED AREA THAT ALL LAND DISTURBANCE WILL OCCUR DURING CONSTRUCTION.
ECB	PERMANENT EROSION CONTROL MATTING (HIGH PERFORMANCE TRM PYRAMAT BY SI GEOSOLUTIONS OR EQUAL)	A PERMANENT REINFORCEMENT MAT TO PREVENT SOIL EROSION AND MAINTAIN PERMANENT GROUND COVER.
Ds3	DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION)	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREAS.
ST	SEDIMENT TUBE	SEDIMENT TUBE PLACED IN EXISTING OR PROPOSED DITCH SECTIONS TO REDUCE THE VELOCITY OF FLOW, EROSION AND STABILIZE GRADES DOWN STREAM OR DRAINAGE OUTLETS.



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1160 E. HIGHWAY 501
CONWAY, SC 29526

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
DDC ENGINEERS, INC.
No. C00036

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 29814
ERIC K. SANFORD

SAINT JAMES
HIGH SCHOOL
TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd	By	Date

SEDIMENT AND EROSION CONTROL PLAN
PHASE I

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	1" = 20'

Drawing No.:
C-500

File: J:\PLANS\19\19062E - HORRY COUNTY SCHOOLS\E\SAINTJAMES-TRACK\19062-SAINTJAMES-TRACK-ERO-PLAN.DWG
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SEEDING NOTES:

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CONSTRUCTION SEQUENCE:

1. EXCAVATE END ZONE TRACK EXTENSION AREA.
2. INSTALL UNDER DRAINAGE SYSTEM.
3. FINE GRADE TRACK AND INFIELD AREAS.
4. PAVE TRACK AND INSTALL SYNTHETIC SURFACING.
5. PAINT TRACK LINES AND FINISH REMAINING SITE IMPROVEMENTS.
6. GRADE AND SEED PERIMETER TIE IN POINTS.
7. FINAL STABILIZATION OF ALL DENUDED AREAS.
8. PER SEEDING SCHEDULE, WATER AND MAINTAIN TO INSURE PROPER GROUND COVERAGE.
9. UPON APPROVAL BY HORRY COUNTY, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES.

EROSION CONTROL LEGEND

SYMBOL	PRACTICE	DESCRIPTION
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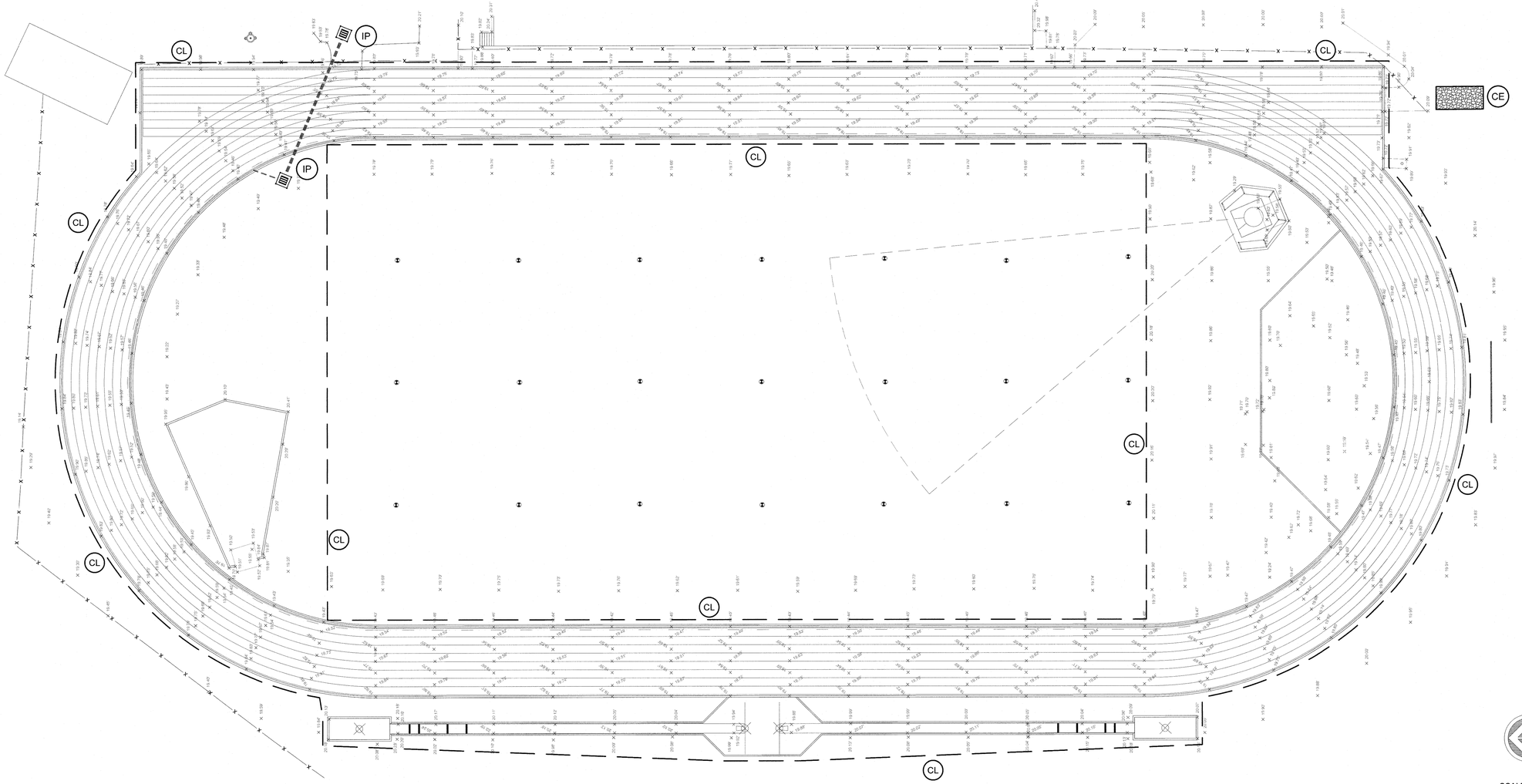

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TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

SEDIMENT AND EROSION CONTROL PLAN
PHASE II

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	1" = 20'

Drawing No.:
C-501

File: J:\PLANS\19\19062E - HORRY COUNTY SCHOOLS\E\SAINTJAMES-TRACK\19062-SAINTJAMES-TRACK-ERO-PLAN.DWG
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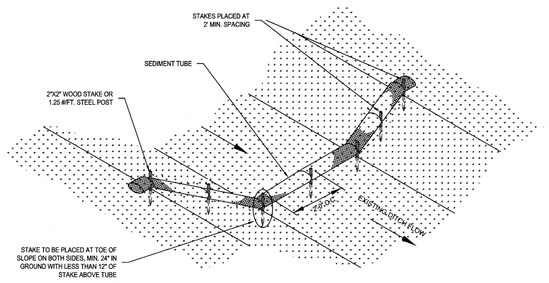
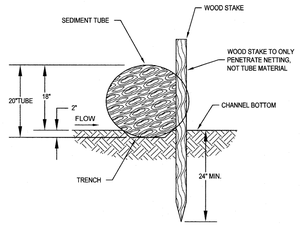


SEDIMENT TUBE CHECK DAM DETAIL (NO BLANKET)



1 1/8" x 1 1/8" x 48" WOODEN STAKES ARE RECOMMENDED FOR 20" SEDIMENT LOGS.

STAKE DETAIL (WITH TRENCH)

SEDIMENT TUBES - GENERAL NOTES

1. SEDIMENT TUBES MAY BE INSTALLED ALONG CONTOURS, IN DRAINAGE CONVEYANCE CHANNELS, AND AROUND INLETS TO HELP PREVENT OFF SITE DISCHARGE OF SEDIMENT LADEN STORM WATER RUNOFF.
2. SEDIMENT TUBES ARE ELONGATED TUBES OF COMPACTED GEOTEXTILES, CURLED EXCELSIOR WOOD, NATURAL COCONUT FIBER, OR HARDWOOD MULCH. STRAW, PINE NEEDLE AND LEAF MULCH FILLED SEDIMENT TUBES ARE NOT PERMITTED.
3. THE OUTER NETTING OF THE SEDIMENT TUBE SHOULD CONSIST OF SEAMLESS, HIGH DENSITY POLYETHYLENE PHOTODEGRADABLE MATERIALS TREATED WITH ULTRAVIOLET STABILIZERS OR A SEAMLESS, HIGH DENSITY POLYETHYLENE NON DEGRADABLE MATERIAL.
4. SEDIMENT TUBES, WHEN USED AS CHECKS WITHIN CHANNELS, SHOULD RANGE BETWEEN 18 INCHES AND 24 INCHES DEPENDING ON CHANNEL DIMENSIONS. DIAMETERS OUTSIDE THIS RANGE MAY BE ALLOWED WHERE NECESSARY WHEN APPROVED.
5. CURLED EXCELSIOR WOOD, OR NATURAL COCONUT PRODUCTS THAT ARE ROLLED UP TO CREATE A SEDIMENT TUBE ARE NOT ALLOWED.
6. SEDIMENT TUBES SHOULD BE STAKED USING WOODEN STAKES (2" X 2") OR STEEL POSTS (STANDARD "U" OR "T" SECTIONS WITH A MINIMUM WEIGHT OF 1.25 POUNDS PER FOOT) AT A MINIMUM OF 48 INCHES IN LENGTH PLACED ON 2 FOOT CENTERS.
7. INSTALL ALL SEDIMENT TUBES TO ENSURE THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE TUBE. MANUFACTURER'S RECOMMENDATIONS SHOULD ALWAYS BE CONSULTED BEFORE INSTALLATION.
8. THE ENDS OF ADJACENT SEDIMENT TUBES SHOULD BE OVERLAPPED 6 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT.
9. SEDIMENT TUBES SHOULD NOT BE STACKED ON TOP OF ONE ANOTHER, UNLESS RECOMMENDED BY MANUFACTURER.
10. EACH SEDIMENT TUBE SHOULD BE INSTALLED IN A TRENCH WITH A DEPTH EQUAL TO 1/5 THE DIAMETER OF THE SEDIMENT TUBE.
11. SEDIMENT TUBES SHOULD CONTINUE UP THE SIDE SLOPES A MINIMUM OF 1 FOOT ABOVE THE DESIGN FLOW DEPTH OF THE CHANNEL.
12. INSTALL STAKES AT A DIAGONAL FACING INCOMING RUNOFF.

SEDIMENT TUBES - INSPECTION & MAINTENANCE

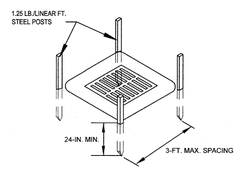
1. THE KEY TO FUNCTIONAL SEDIMENT TUBES IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SEDIMENT TUBES SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS IN FRONT OF THE SEDIMENT TUBE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SEDIMENT TUBE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. LARGE DEBRIS, TRASH AND LEAVES SHOULD BE REMOVED FROM IN FRONT OF TUBES WHEN FOUND.
7. IF EROSION CAUSES THE EDGES TO FALL TO A HEIGHT EQUAL TO OR BELOW THE HEIGHT OF THE SEDIMENT TUBE, REPAIRS SHOULD BE MADE IMMEDIATELY TO PREVENT RUNOFF FROM BYPASSING TUBE.
8. SEDIMENT TUBES SHOULD BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN COMPLETELY STABILIZED. PERMANENT VEGETATION SHOULD REPLACE AREAS FROM WHICH SEDIMENT TUBES HAVE BEEN REMOVED.

SEDIMENT TUBE SPACING

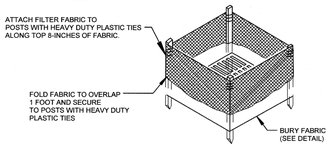
SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET

(ST) SEDIMENT TUBE DETAIL

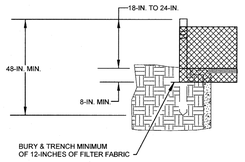
SCALE: N.T.S.



POST INSTALLATION DETAIL



FILTER FABRIC INSTALLATION DETAIL



FILTER FABRIC BURIAL DETAIL

TYPE A - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48 INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   - COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   - INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38 INCHES AND A NOMINAL "T" LENGTH OF 1.48 INCHES.
   - WEIGH 1.25 POUNDS PER FOOT (±8%).
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. INSTALL POSTS TO A MINIMUM OF 24 INCHES. A MINIMUM HEIGHT OF 1 TO 2 INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
4. POST SPACING SHALL BE AT A MAXIMUM OF 3 FEET ON CENTER.

TYPE A - FILTER FABRIC REQUIREMENTS

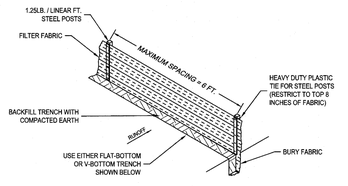
1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   - FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   - HAVE A MINIMUM WIDTH OF 36 INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12 INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24 INCHES ABOVE THE GROUND.

TYPE A - INSPECTION & MAINTENANCE

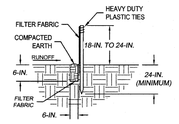
1. THE KEY TO FUNCTIONAL INLET PROTECTION IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF INLET PROTECTION SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE FILTER FABRIC IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE FILTER FABRIC. WHEN A SUMP IS INSTALLED IN FRONT OF THE FABRIC, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE SUMP.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORM WATER RUNOFF HAS ERODED A CHANNEL BENEATH THE FILTER FABRIC, BENEATH THE FILTER FABRIC, OR WHERE THE FABRIC HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE INLET PROTECTION.
7. CHECK FOR TEARS WITHIN THE FILTER FABRIC, AREAS WHERE FABRIC HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE INLET PROTECTION INEFFECTIVE. REMOVE DAMAGED FABRIC AND REINSTALL NEW FILTER FABRIC IMMEDIATELY.
8. INLET PROTECTION STRUCTURES SHOULD BE REMOVED AFTER ALL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. STABILIZE ALL BARE AREAS IMMEDIATELY.

(IP) INLET PROTECTION

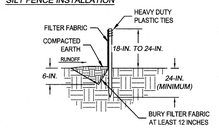
SCALE: N.T.S.



SILT FENCE INSTALLATION



FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL

SILT FENCE - GENERAL NOTES:

1. DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS GREATER THAN 0.5 CFS.
2. MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100 FEET.
3. MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
4. SILT FENCE JOINTS, WHEN NECESSARY SHALL BE COMPLETED BY ONE OF THE FOLLOWING OPTIONS:
   - WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 1 FOOT MINIMUM OVERLAP.
   - OVERLAP SILT FENCE BY INSTALLING 3 FEET PAST THE SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY DUTY PLASTIC TIES; OR
   - OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM ONE SUPPORT POST TO THE NEXT SUPPORT POST.
5. ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC.
6. INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORM WATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEAN OUT.
7. INSTALL SILT FENCE CHECKS (TIE-BACKS) EVERY 50-100 FEET, DEPENDENT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED / INSTALLED SILT FENCE.

SILT FENCE - POST REQUIREMENTS

1. SILT FENCE POSTS MUST BE 48 INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
   - COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
   - INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38 INCHES AND A NOMINAL "T" LENGTH OF 1.48 INCHES.
   - WEIGH 1.25 POUNDS PER FOOT (±8%).
2. POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
3. STEEL POSTS MAY NEED TO HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM WHEN INSTALLED ALONG STEEP SLOPES OR INSTALLED IN LOOSE SOILS. THE PLATE SHOULD HAVE A MINIMUM CROSS SECTION OF 17 SQUARE INCHES AND BE COMPOSED OF 15 GAUGE STEEL, AT A MINIMUM. THE METAL SOIL STABILIZATION PLATE SHOULD BE COMPLETELY BURIED.
4. INSTALL POSTS A MINIMUM OF 24 INCHES. A MINIMUM HEIGHT OF 1 TO 2 INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND.
5. POST SPACING SHALL BE AT A MAXIMUM OF 6 FEET ON CENTER.

SILT FENCE - FABRIC REQUIREMENTS

1. SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
   - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
   - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
   - FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND,
   - HAVE A MINIMUM WIDTH OF 36 INCHES.
2. USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. 12 INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
4. FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
5. FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24 INCHES ABOVE THE GROUND.

SILT FENCE - INSPECTION & MAINTENANCE

1. THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE AND REGULAR SEDIMENT REMOVAL.
2. REGULAR INSPECTIONS OF SILT FENCE SHALL BE CONDUCTED ONCE EVERY CALENDAR WEEK AND, AS RECOMMENDED, WITHIN 24 HOURS AFTER EACH RAINFALL EVEN THAT PRODUCES 1/2 INCH OR MORE OF PRECIPITATION.
3. ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
4. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.
5. REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
6. CHECK FOR AREAS WHERE STORM WATER RUNOFF HAS ERODED A CHANNEL BENEATH THE SILT FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE SILT FENCE. INSTALL CHECKS/TIE-BACKS AND/OR REINSTALL SILT FENCE, AS NECESSARY.
7. CHECK FOR TEARS WITHIN THE SILT FENCE, AREAS WHERE SILT FENCE HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE SILT FENCE INEFFECTIVE. REMOVE DAMAGED SILT FENCE AND REINSTALL NEW SILT FENCE IMMEDIATELY.
8. SILT FENCE SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED AND ONCE IT IS REMOVED, THE RESULTING DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.

(SF) CONSTRUCTION OF A SILT FENCE

SCALE: N.T.S.

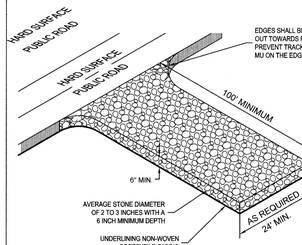
EROSION CONTROL NOTES:

1. TOTAL DEVELOPMENT AREA : 3.50 ± ACRES
2. DISTURBED AREA THIS PHASE: 0.51 ± ACRES
3. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
4. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:

   - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.

   - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
5. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
6. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
7. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
8. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
9. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR 100000.
10. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
11. ALL WATERS OF THE STATE (WoS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50 FOOT BUFFER CANNOT BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WoS. A 10 FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WoS.
12. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
13. A COPY OF THE SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
14. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
15. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
16. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
17. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
18. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:

   - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
   - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
   - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
   - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
19. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
20. IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND / OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
21. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SILT BARRIERS AND SEDIMENT CONTROL INSTALLATIONS DURING CONSTRUCTION UNTIL THE COMPLETION OF THE SITE DEVELOPMENT.
23. EROSION CONTROL DEVICES MUST BE INSTALLED IMMEDIATELY AFTER LAND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE CONTROL DEVICES MAY BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS, IF DRAINAGE PATTERNS DURING CONSTRUCTION VARY FROM THE FINAL DRAINAGE PATTERNS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE SOIL EROSION CONTROL FOR ALL DRAINAGE PATTERNS DURING ALL STAGES OF CONSTRUCTION. ALL INADEQUACIES IN SOIL EROSION CONTROL DURING ANY PHASE OF CONSTRUCTION MUST BE REPORTED IMMEDIATELY TO THE ENGINEER.
24. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING OF ALL DEVICES.
25. FAILURE TO INSTALL, OPERATE AND MAINTAIN ALL EROSION CONTROL MEASURES, AS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE ENGINEER AND/OR OCRM WILL RESULT IN ALL WORK ON THE CONSTRUCTION SITE BEING STOPPED UNTIL PROPER CORRECTIVE MEASURES HAVE BEEN MET, AS REQUIRED AND/OR DIRECTED.
26. ALL LAND DISTURBING ACTIVITIES REQUIRES COMPLIANCE UNDER THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES (PERMIT NO. SCR100000). ANY NONCOMPLIANCE WITH THESE REGULATIONS IS A VIOLATION OF THE FEDERAL CLEAN WATER ACT AND MAY REQUIRE ENFORCEMENT ACTION BY HORRY COUNTY OR SCDHEC.
27. CONTRACTOR SHALL PROVIDE A WATER TIGHT ENCLOSURE FOR STORAGE OF THE OCRM CERTIFIED PLANS AND INSPECTION REPORTS. ENCLOSURE SHALL BE LOCATED IN AN AREA ACCESSIBLE TO REGULATORY PERSONNEL.
28. ALL STOCKPILE TO BE PROTECTED WITH SILT FENCE.
29. ALL CONCRETE TO BE WASHED OUT IN AN APPROVED AREA.

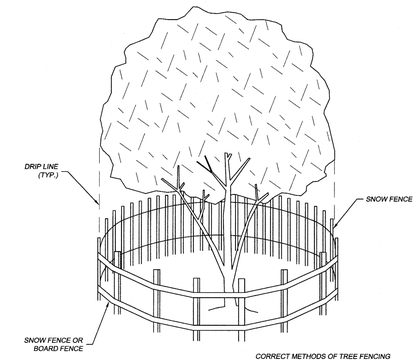


NOTE:

- INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
- DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE.
- ENTRANCES SHALL COMPLY WITH SCDOT STANDARD DRAWING 651-115-01

(CE) STABILIZIED CONSTRUCTION ENTRANCE

SCALE: N.T.S.



CORRECT METHODS OF TREE FENCING

TREE PROTECTION

SCALE: N.T.S.

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HORRY COUNTY
SCHOOLS

OFFICE OF FACILITIES
1160 E. HIGHWAY 501
CONWAY, SC 29526

DDC ENGINEERS, INC.
No. C00036

No. 29814
ERIC K. SANFORD

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SAINT JAMES
HIGH SCHOOL
TRACK AND FIELD
ATHLETIC FACILITY
IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

SEDIMENT AND EROSION
CONTROL DETAILS

Designed By:	Drawn By:	Checked By:
EKS	PES	EKS
Issue Date:	Project No:	Scale:
1/31/20	19062E	NO SCALE

Drawing No.:
C-502

File: J:\PLANS\19\19062E - HORRY COUNTY SCHOOLS\E\SAINTJAMES-TRACK\19062-SAINTJAMES-TRACK-ERO-DETAILS.DWG
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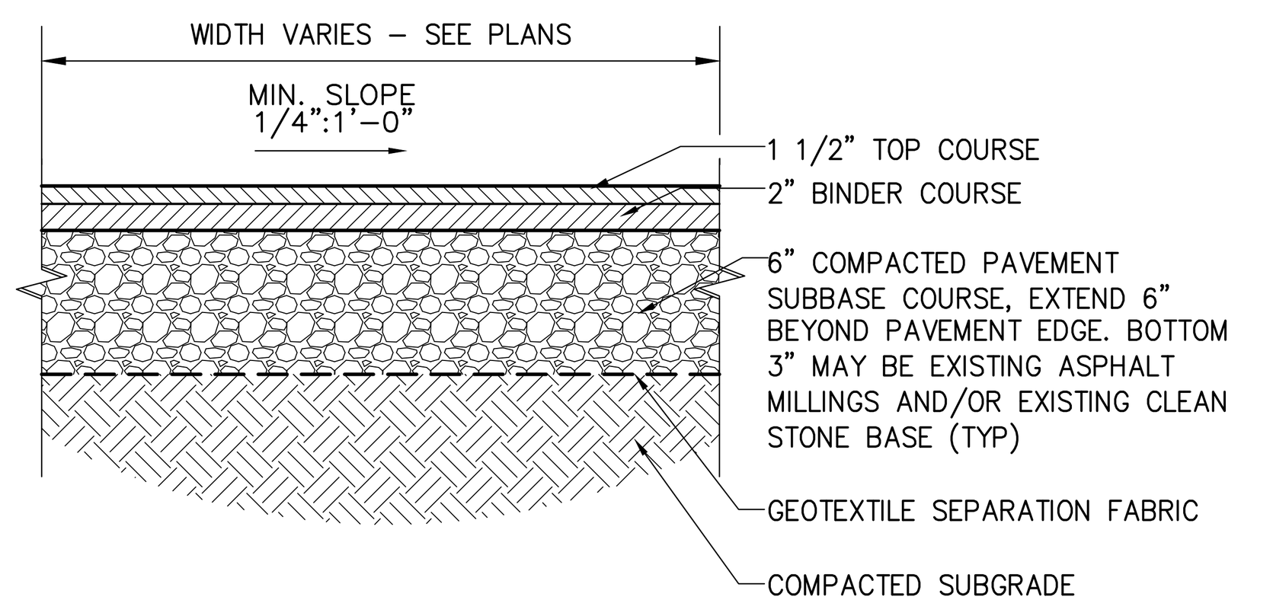

1 ASPHALT PAVEMENT DETAIL
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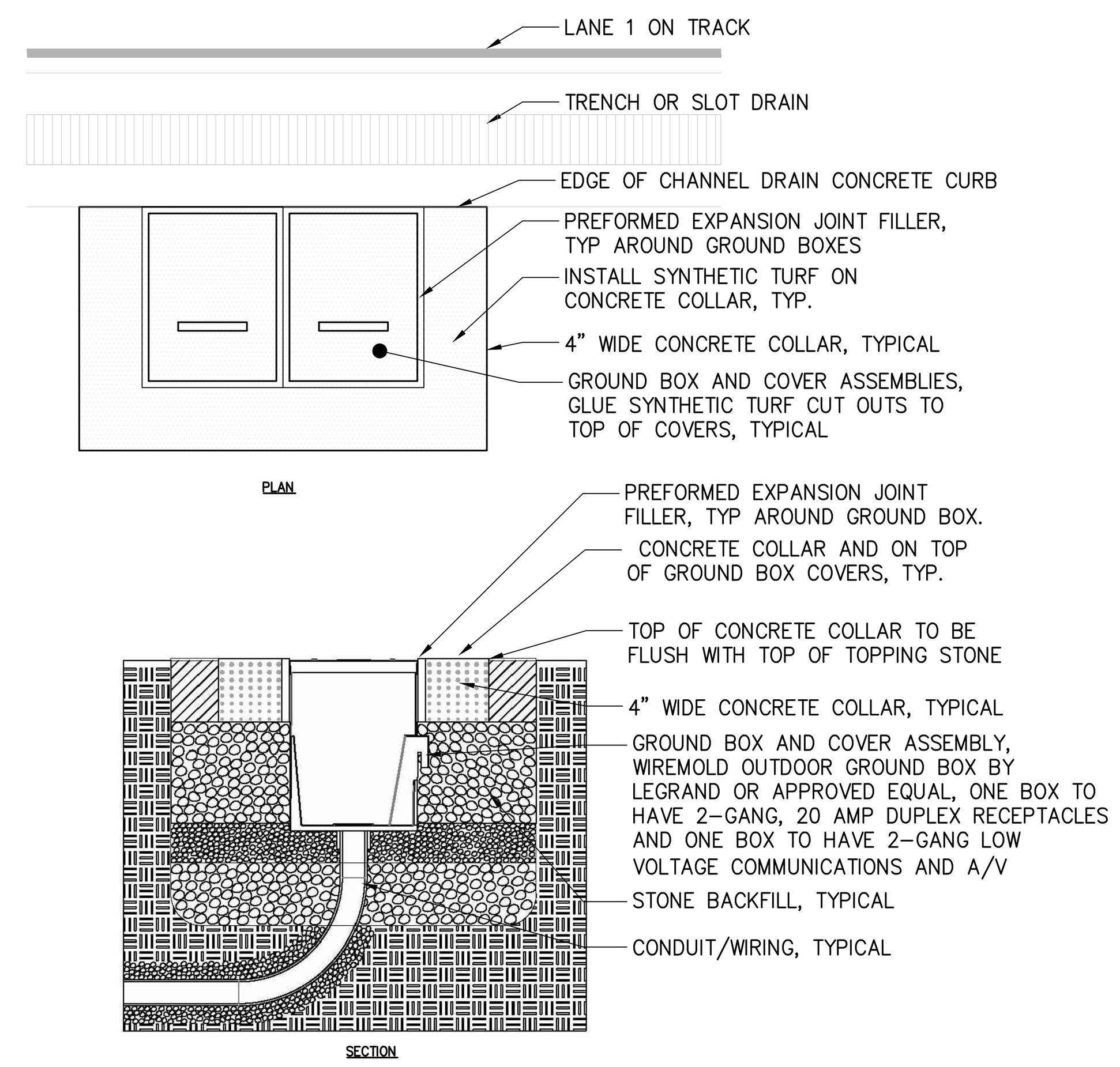

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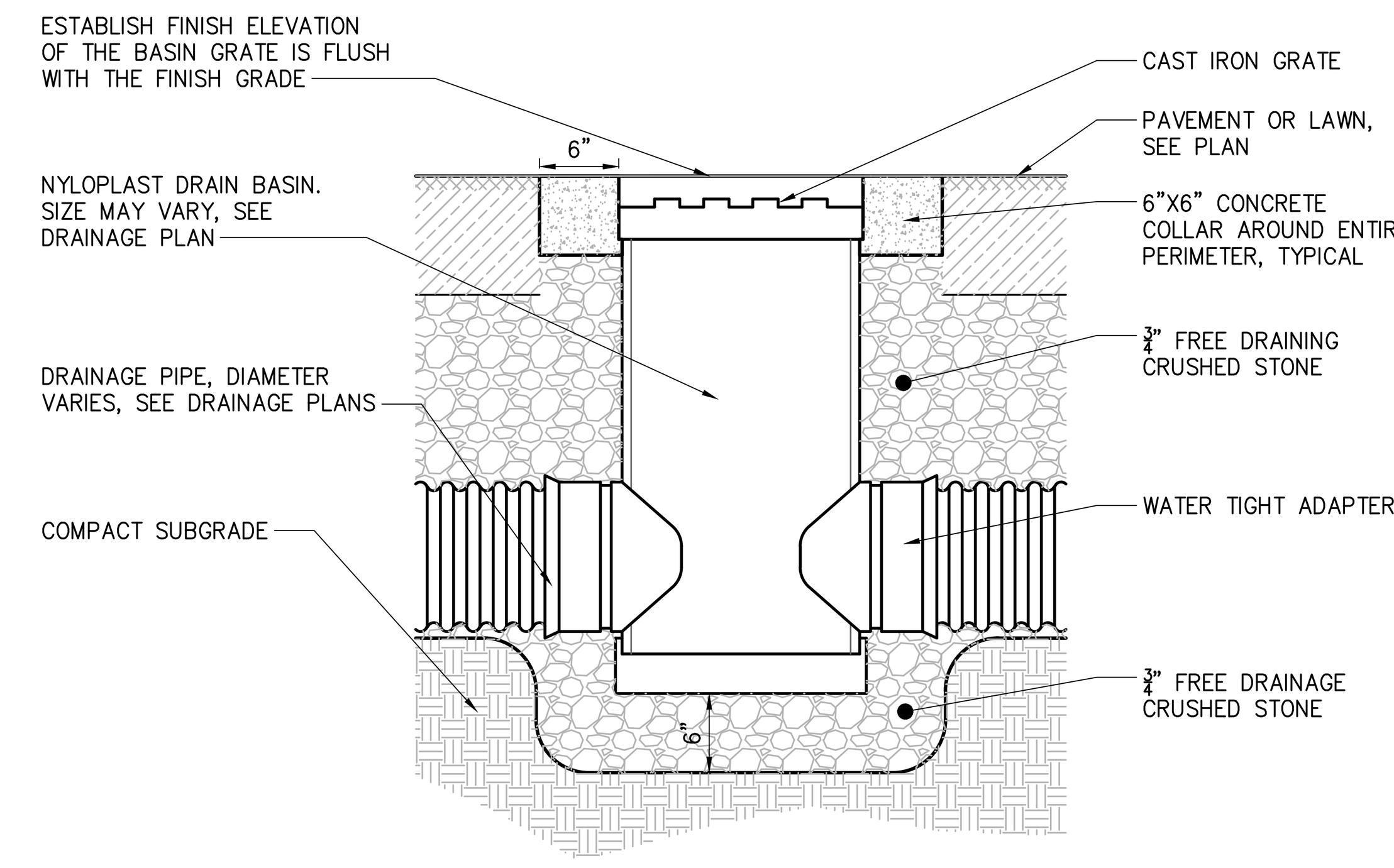

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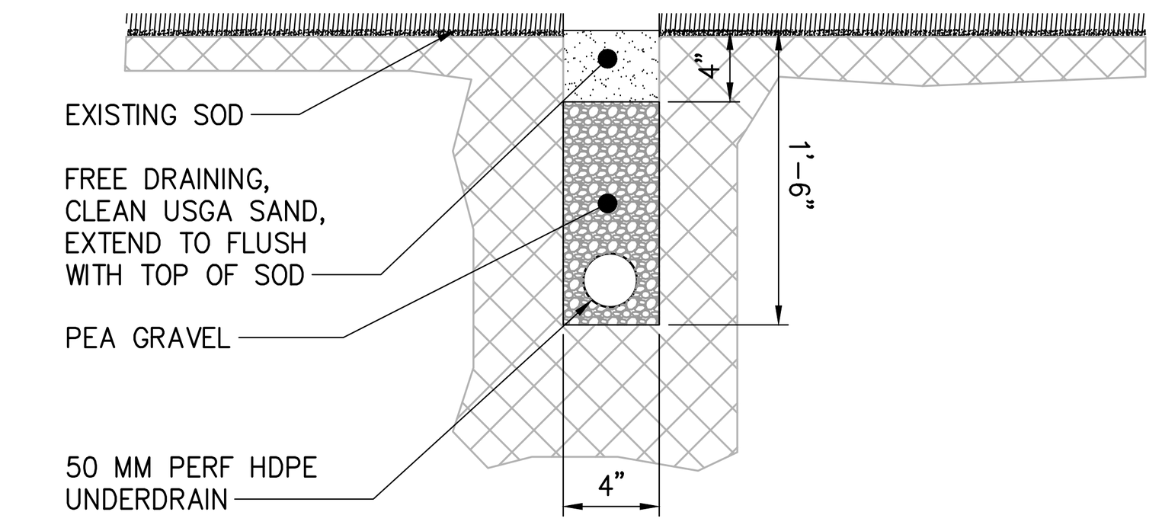

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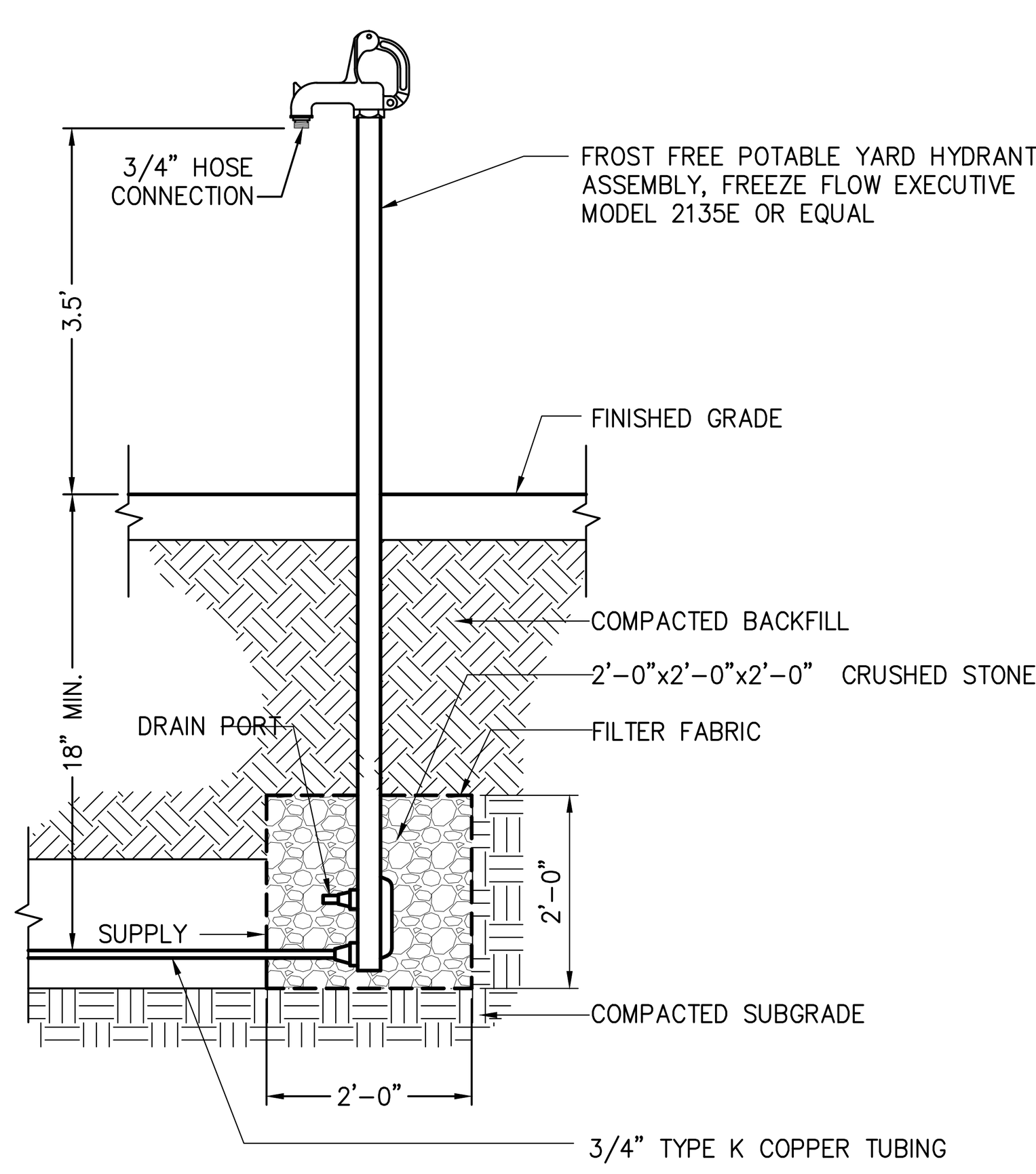

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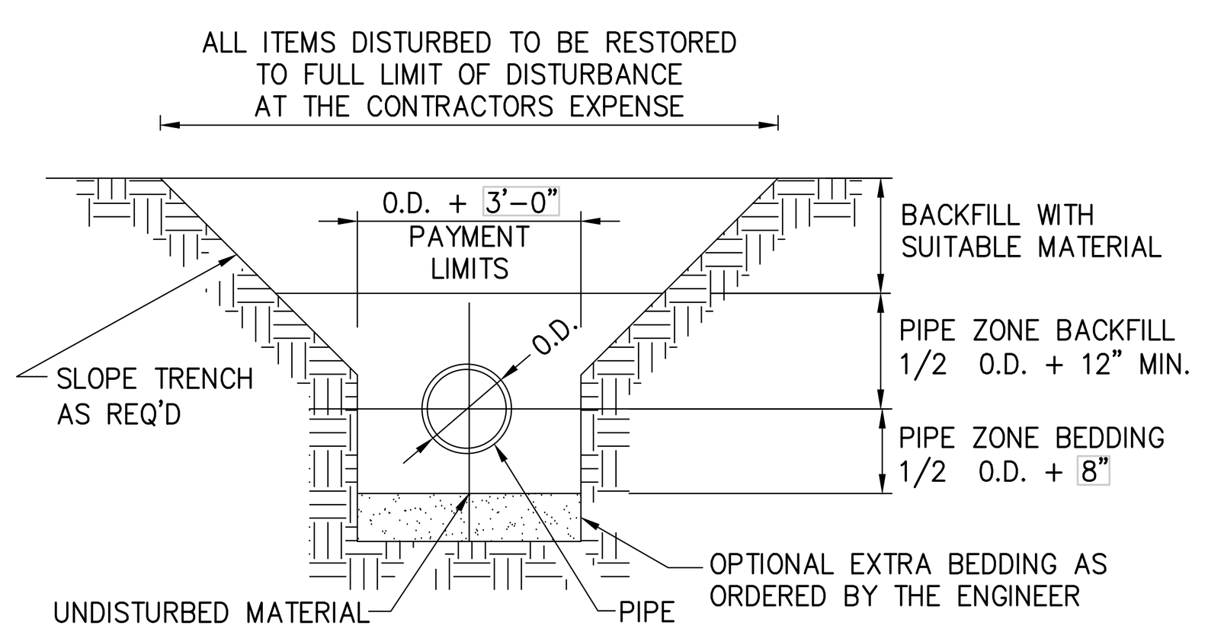

6 TYPICAL STORM TRENCH DETAIL
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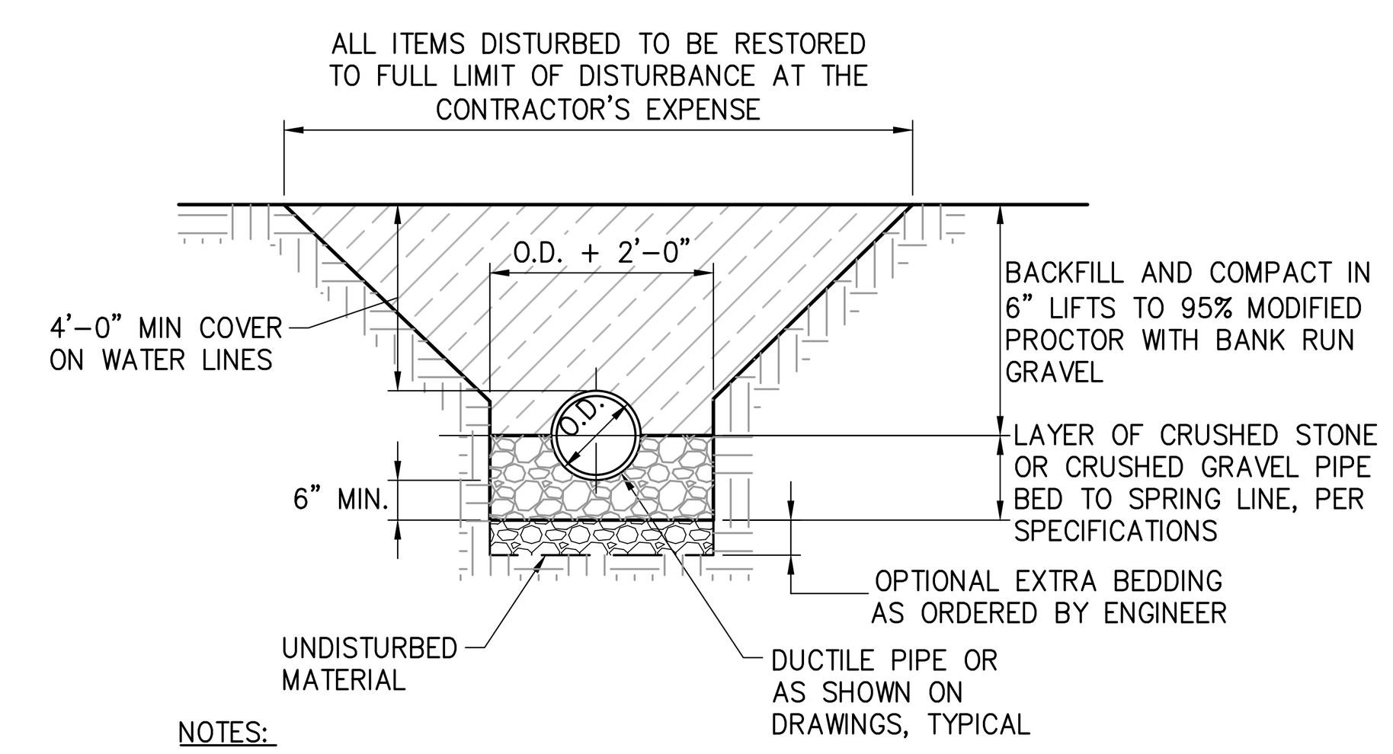
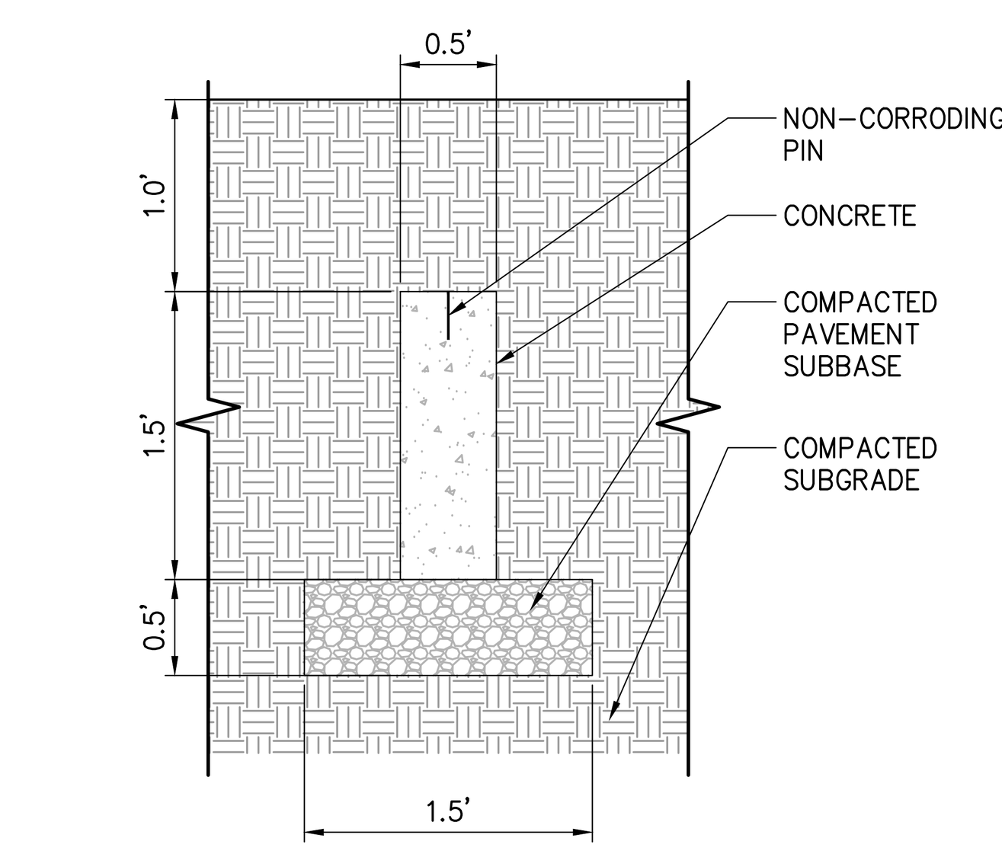


NOTES:

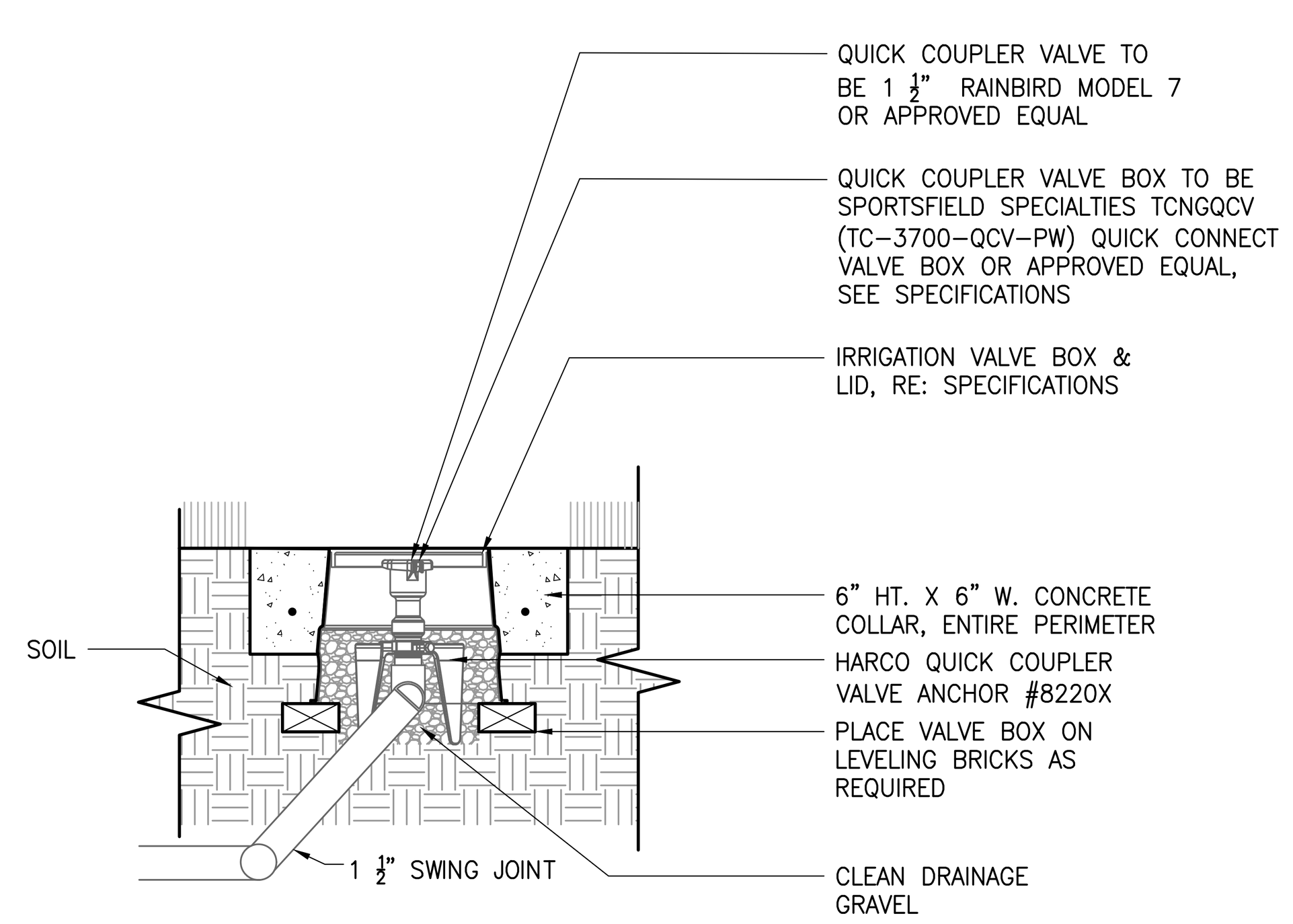
1. ALL BACKFILL MATERIAL COMPACTED IN 6" (MAX.) LIFTS TO 95% STANDARD PROCTOR DENSITY
2. OVEREXCAVATE AT BELLS TO PROVIDE 4" BEDDING BELOW BELLS
3. ALL TRENCH EXCAVATION SHALL MEET OSHA REQUIREMENTS AND ALL STATE AND LOCAL SAFETY REGULATIONS

7 TYPICAL WATER PIPE TRENCH DETAIL
SCALE:

NOTE:
1. PROVIDE LOCATION PINS IN OUTSIDE CONCRETE CURBS AT 4 POINTS OF CURVATURE (PC'S) AND APEX OF BOTH TURNS



8 TRACK RADIUS MOMUNMENT POINT DETAIL
SCALE:



9 QUICK COUPLER DETAIL
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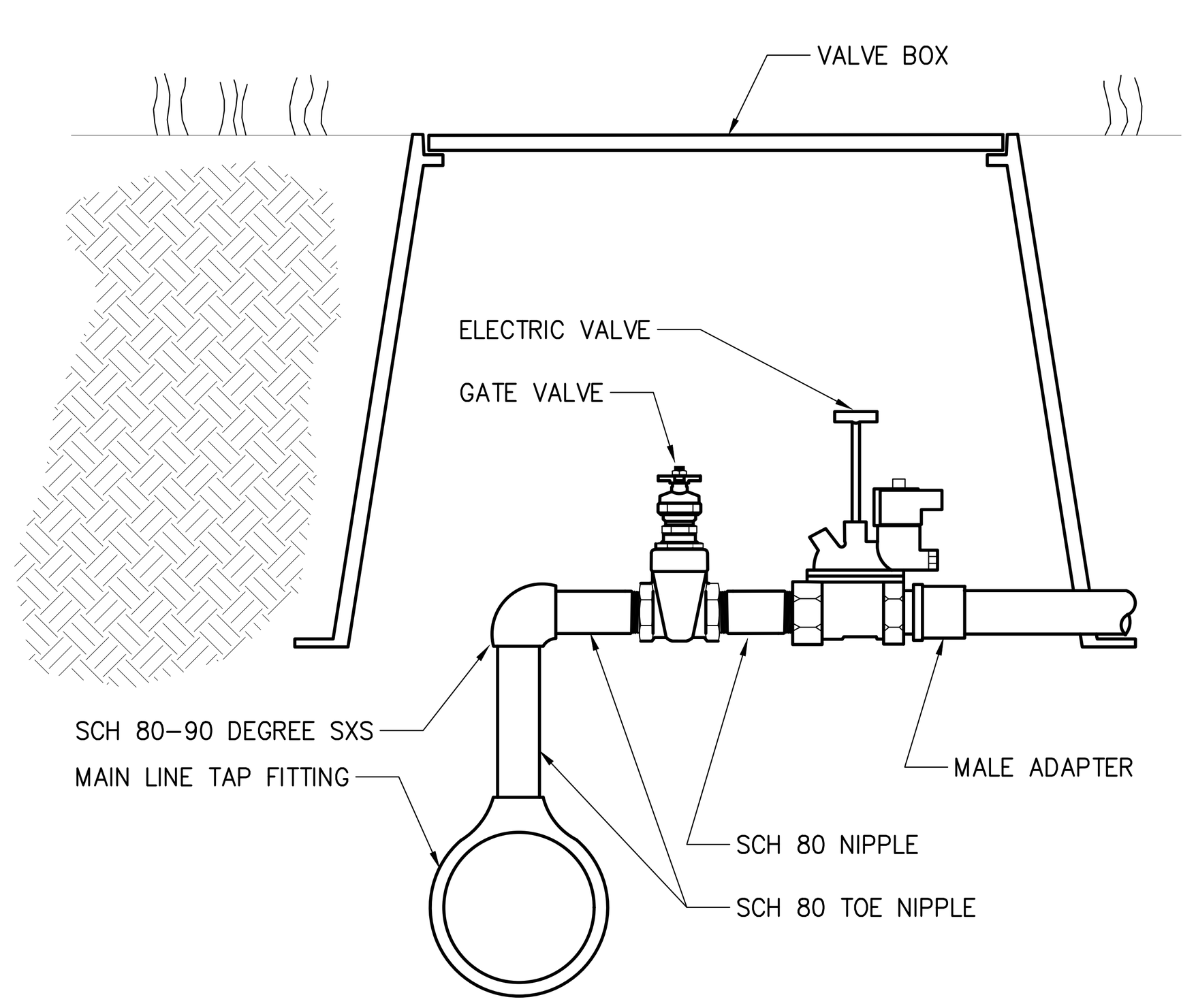

10 BURIED ELECTRICAL VALVE ASSEMBLY
SCALE:

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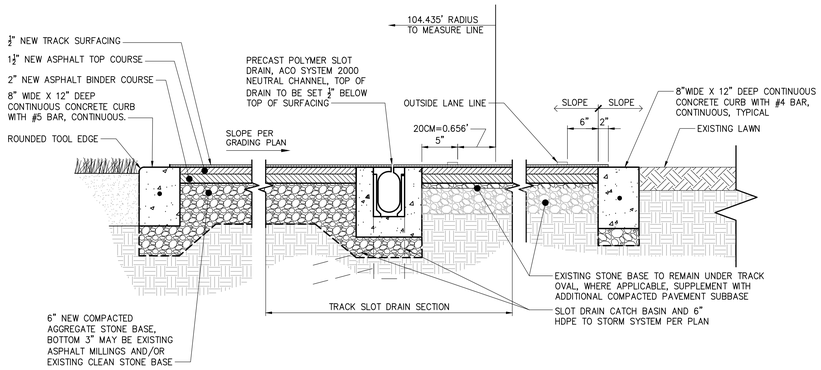
TRACK AND FIELD ATHLETIC FACILITY IMPROVEMENTS PROGRAM

No.	Submittal / Revision	App'd.	By	Date

TRACK AND FIELD DETAILS

Designed By:	Drawn By:	Checked By:
JRP	RMH	PG
Issue Date:	Project No:	Scale:
02/21/2020	36108	AS SHOWN

Drawing No.:
C-600



1 TRACK CROSS SECTION AT D-ZONE AND PERIMETER CURB
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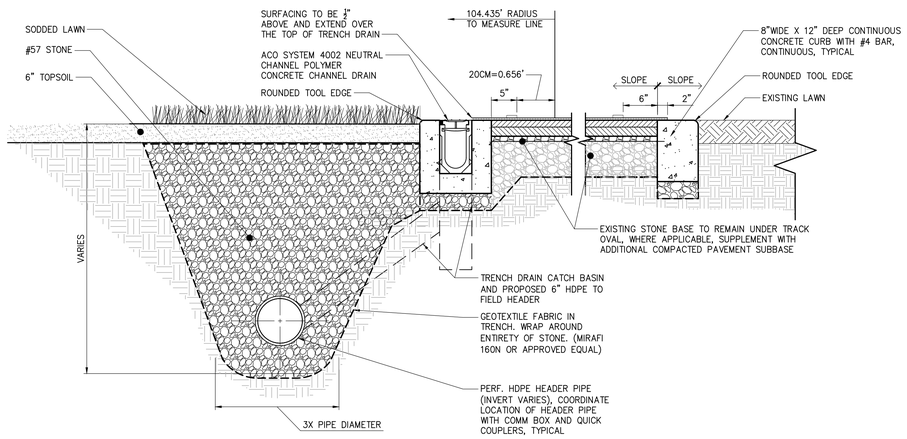
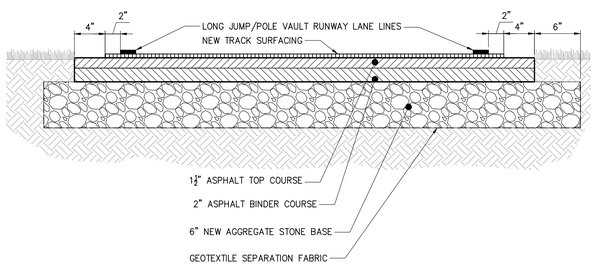


2 TRACK CROSS SECTION AT TRENCH DRAIN AND PERIMETER CURB
SCALE:



3 LONG/TRIPLE JUMP AND POLE VAULT RUNWAY CROSS SECTION
SCALE:

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Drawing No.:

C-601

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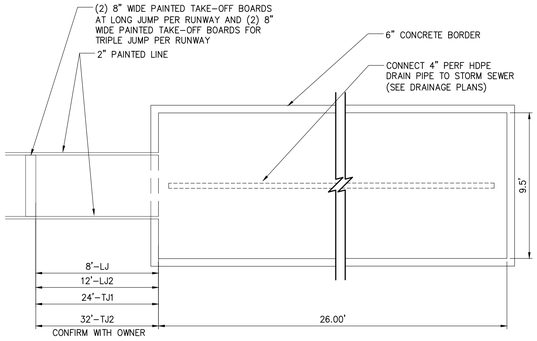
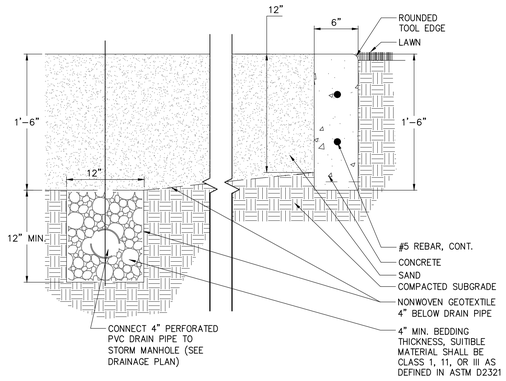


1 LONG/TRIPLE JUMP SAND PIT PLAN
SCALE:



2 LONG/TRIPLE JUMP SAND PIT SECTION
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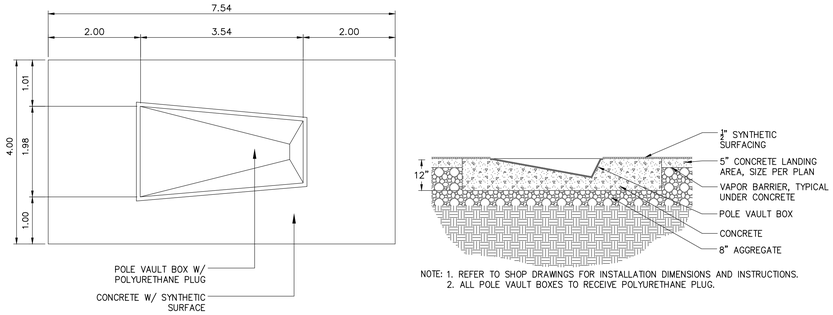
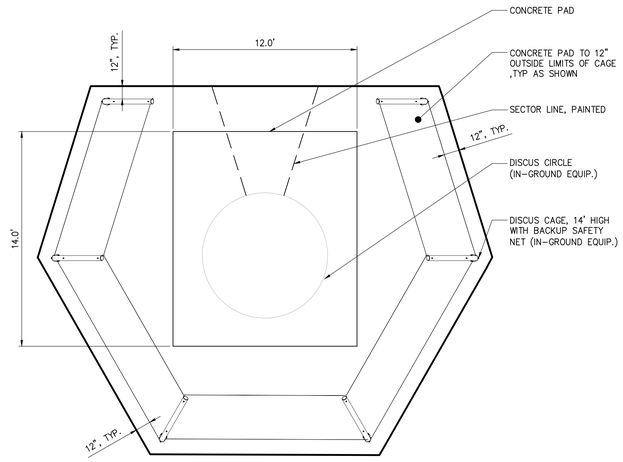
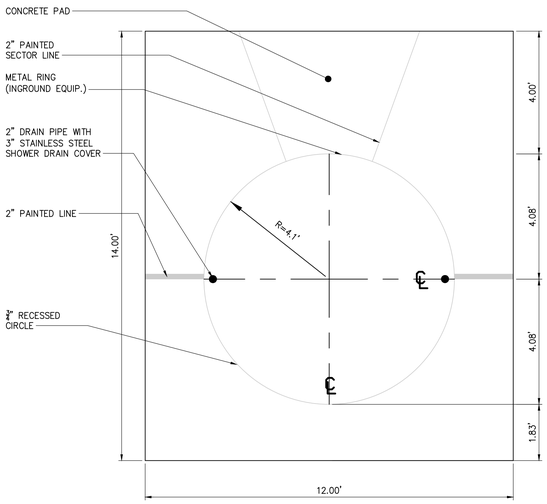


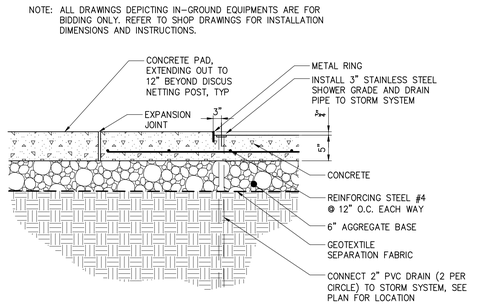
3 POLE VAULT BOX PLAN AND SECTION
SCALE:



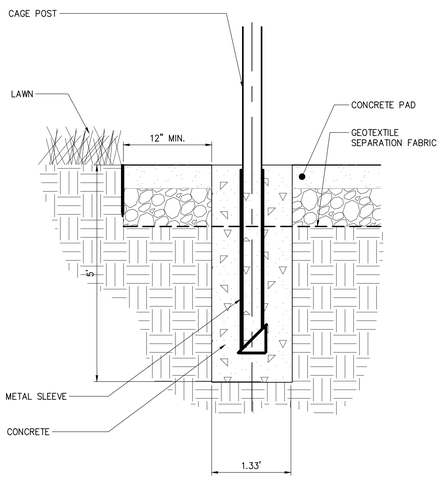
4 DISCUS CAGE PLAN
SCALE:



5 DISCUS CIRCLE PLAN
SCALE:



6 DISCUS CIRCLE SECTION
SCALE:



7 DISCUS NETTING SECTION
SCALE:

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TRACK AND FIELD
ATHLETIC FACILITY
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TRACK AND FIELD DETAILS

Designed By:	Drawn By:	Checked By:
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ABBREVIATIONS

A	AMPERE
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF/G	ABOVE FINISHED FLOOR/GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AT	AMPERE TRIP
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
BTM	BOTTOM
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CKT	CIRCUIT
℄	CENTER LINE
CO	COMPANY
COMM	COMMUNICATIONS
CONN	CONNECTION, CONNECT
CU	COPPER
△	DELTA CONNECTION
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC(AL)
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F	FUSE(D)
FC	FOOTCANDLES
FIXT	FIXTURE
FLR	FLOOR
FT	FOOT (FEET)
FUT	FUTURE
G, GND	GROUND
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HGT	HEIGHT
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
HW	HOT WATER
ID	IDENTIFY, IDENTIFICATION
INCAND	INCANDESCENT
J-BOX	JUNCTION BOX
JCT	JUNCTION
KCM/Kcmil	THOUSAND CIRCULAR MILS
KVA	KILO VOLT AMPERE
KW	KILOWATT
LGT	LIGHTING
LT(S)	LIGHT(S)
LED	LIGHT EMITTING DIODE
L	LOUVER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MC	METAL CLAD CABLE
MFR	MANUFACTURER
MH	METAL HALIDE
MECH	MECHANICAL
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT
No/#	NUMBER
OL	OVERLOAD
P	POLE(S)
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PWR	POWER
ø	PHASE
PT	PRESSURE TREATED
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SEC	SECONDARY
SH	SHIELDED
SW	SWITCH
TEMP	TEMPORARY/TEMPERATURE
TB	TERMINAL BOARD
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
VA	VOLT-AMPERES
W	WATT, WIRE
W/	WITH
WP	WEATHERPROOF
XFMR/T	TRANSFORMER
Y	WYE CONNECTION

DEVICES AND APPURTENANCES

- SINGLE POLE TOGGLE SWITCH
- DUPLEX RECEPTACLE
- TWO - 20 AMP DUPLEX RECEPTACLES UNDER SINGLE COVER
- JUNCTION BOX
- HAND HOLE

RACEWAYS

- CONDUIT CONCEALED OR EXPOSED AS SPECIFIED
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- PP-1 1/3/5 HOMERUN BACK TO PANEL (PANEL AND CIRCUITS INDICATED)
- CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED
- UNDERGROUND CONDUIT
- GROUND CONDUCTOR
- GROUNDING CONDUCTOR TERMINATION POINT AT SERVICE EQUIPMENT
- INDICATES EXISTING DEVICES OR EQUIPMENT

POWER DISTRIBUTION EQUIPMENT

- SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON
- RECESSED BRANCH CIRCUIT PANELBOARD 208/120V, 3ø, 4W, UON
- SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD 480/277V, 3ø, 4W, UON
- RECESSED BRANCH CIRCUIT PANELBOARD 480/277V, 3ø, 4W, UON
- DISTRIBUTION PANEL
- CR CONTROL RELAY PANEL

GENERAL

- # NUMBER IN CIRCLE, WITH OR WITHOUT ARROW OR LEADER, REFER TO MATCHING NUMBERED CODED NOTE
- # NUMBER IN DIAMOND, WITH OR WITHOUT ARROW OR LEADER; REFER TO THE DEMOLITION CODED NOTE WITH THE MATCHING NUMBER
- X / XXX DETAIL CALLOUT

GENERAL NOTES

1. REFER TO CIVIL DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER(S).
2. ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY THE ELECTRICAL CONTRACT UNLESS OTHERWISE INDICATED.
3. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. EXACT LOCATION OF ALL CONDUIT RUNS SHALL BE DETERMINED IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORK, ACCESS DOORS AND WORK BY OTHER TRADES.
4. GENERAL NOTES APPLY TO ALL ELECTRICAL CONTRACT DRAWINGS.

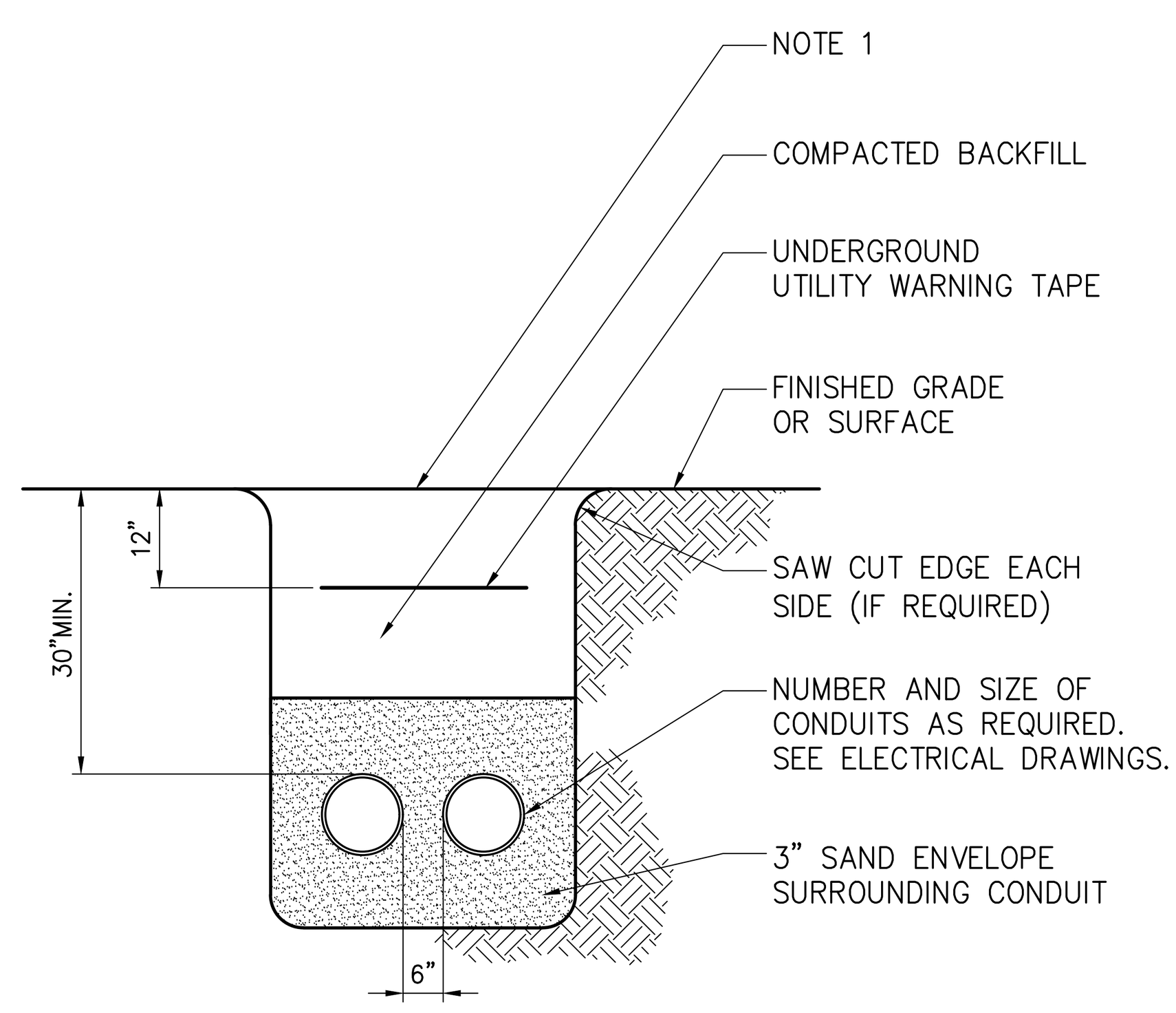
– ELECTRICAL SITE PLAN
SCALE: 1" = 10'

CODED NOTES

1. 1" RGS CONDUIT WITH (2) #8, (1) #8G, FOR MIDFIELD AND FINISH LINE RECEPTICALES FROM PANEL AL2A TO JUNCTION BOX.
2. 1" SCHEDULE 40 PVC CONDUIT WITH (2) #8 AND (1) #8G FOR FINISH LINE RECEPTACLES FROM HANDHOLE TO FIELD JUNCTION BOX.
3. 1" SCHEDULE 40 PVC CONDUIT WITH (2) #8 AND (1) #8G FOR FINISH LINE RECEPTACLES FOR BETWEEN JUNCTION BOXES..
4. 1" SCHEDULE 40 PVC CONDUIT WITH (2) #8 AND (1) #8G FOR MIDFIELD RECEPTACLES FROM HANDHOLE TO FINISH LINE JUNCTION BOX.
5. 1 1/2" SCHEDULE 40 PVC CONDUIT BETWEEN JUNCTION BOXES FOR INSTALLATION OF COMMUNICATION WIRING.
6. PROVIDE JUNCTION BOX (SEE DETAILS 1 & 2 ON C-601)
7. PROVIDE HANDHOLE (SEE DETAIL 2 ON THIS DRAWING)
8. PROVIDE 20A/1P BREAKER AT CKT 2 IN EXISTING PANEL AL2A. TYPE OF BREAKER TO MATCH EXISTING. LOCATED IN EXISTING CONCESSION BUILDING BELOW GRANDSTANDS. (GE 9T21S100 SERVICE CENTER)
9. 1" RGS CONDUIT WITH (2) #8, (1) #8G, FOR MIDFIELD AND FINISH LINE RECEPTACLES FROM PANEL AL2A TO JUNCTION BOX.
10. TRANSITION BETWEEN ABOVE GROUND AND UNDERGROUND CONDUIT

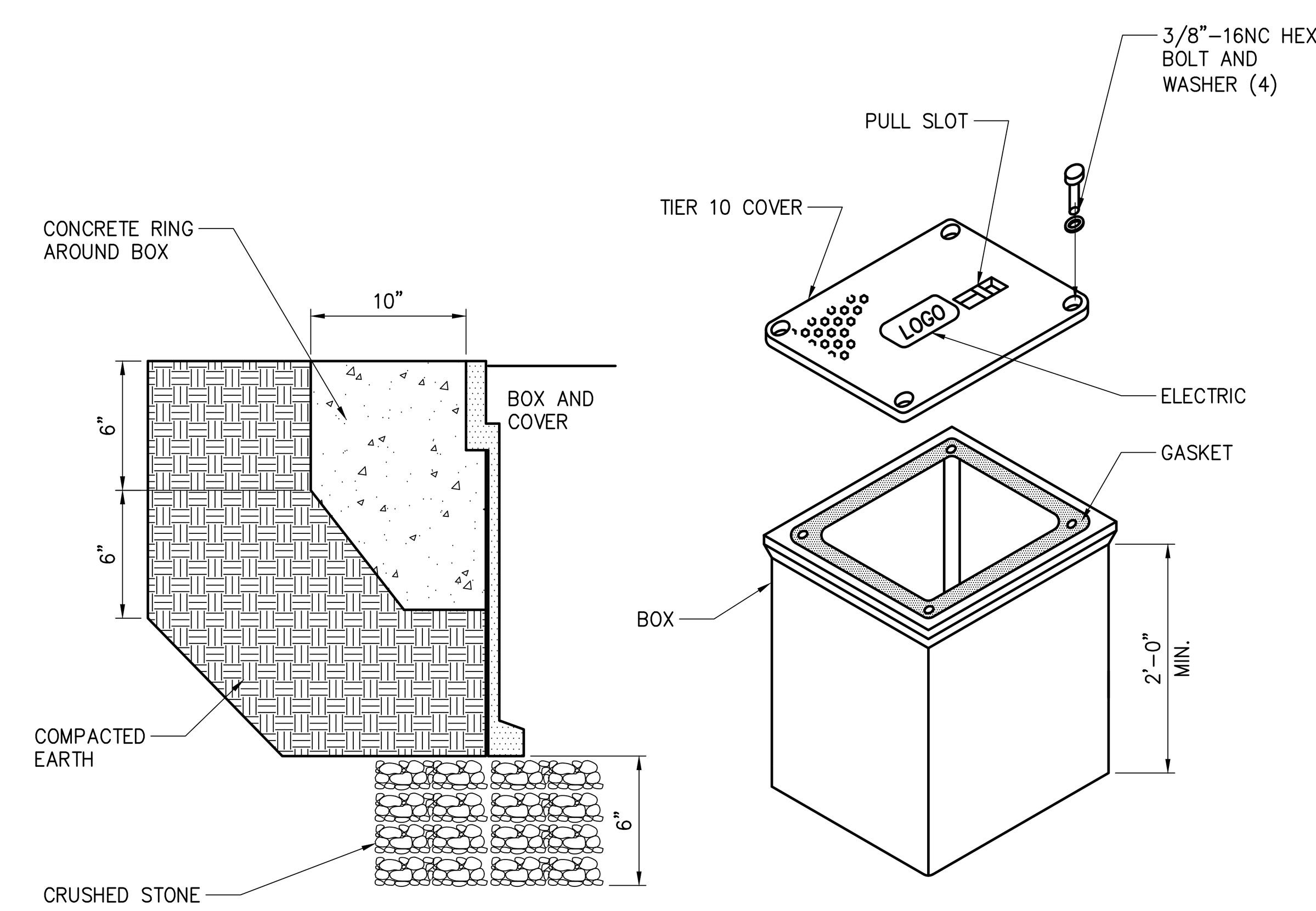
GENERAL NOTES

1. PROTECT AND MAINTAIN EXISTING ELECTRICAL WIRING. REPAIR ANY DAMAGED CONDUIT/WIRING AND OR ELECTRICAL BOXES IN KIND.



NOTE
1. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS.

1 TYPICAL DIRECT BURIED CONDUIT(S) DETAIL
NOT TO SCALE



NOTES
1. SIZE HANDHOLE AT EACH LOCATION PER NEC. MINIMUM SIZE SHALL BE 18" X 18" X 24".
2. PROVIDE ALL CONDUITS WITH A PULL ROPE.
3. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT CONCRETE, TOPSOIL AND GRASS.

2 HANDHOLE - DETAIL
NOT TO SCALE

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ELECTRICAL SITE PLAN

Designed By:	Drawn By:	Checked By:
JRH	JRH	JD
Issue Date:	Project No:	Scale:
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Drawing No.:
E-001